MOUSER ELECTRONICS

a tti company

Nov. 2007 - Jan. 2008
Catalog 632

SAME-DAY SHIPPING

7am - 8pm CST

The Newest Products For Your Newest Designs

- ONLY New Catalog Every 90 Days!
- Over 335 Leading Suppliers
- Over 860,000 Products Online!

3M | Actel | Aerocomm | Alpha | alpha | ALPS | Amphenol | ARCOL | Artesyn Technologies | Atmel

Ault | Avago Technologies | AVX A Kyocera Group Company | Belden | BK Precision | Bomar | Bourns Reliable Electronic Solutions | Bud Industries Inc. | C&D Technologies | C&K

Catalyst Semiconductor, Inc. | CEL | Central Semiconductor Corp. | Cherry | Cinch | Cincon | Citizen | Clare An IXYS Company | Cooper CalTronics | Comair Rotron

Condor | Conec Technology in Connectors | Cooper Bussmann | CDE Cornell Dubilier | Crystek Corporation | Cypress Perform | Datel | Dialight

Digi | Diodes Incorporated | ebmpapst | Emerson Network Power Connectivity Solutions | EPCOS | Everlight | Fairchild Semiconductor | Fine Inductors Fastron | FCI | Fluke

freescale semiconductor | FTDI Chip | Fujitsu | Gore | Hammond Manufacturing | Harting | Harwin | JAE | JRC NJR Corporation

The Capacitance Company KEMET Charged | Kingbright | KOA Speer Electronics, Inc. | Kycon | Laird Technologies | Lantronix | Lattice Semiconductor Corporation | Lemo | Lite-On

Littelfuse | IME | Microchip | Mill-Max | molex | muRata Innovator in Electronics | NEC | nichicon

NKK Switches | Ohmite | Omron Electronic Components | ON Semiconductor | Panduit | Pericom Enabling Serial Connectivity | Phihong | Phoenix Contact Inspiring Innovations

PLX Technology | Pomona Electronics | Power Integrations | Rabbit Semiconductor | Ramtron | Raychem Circuit Protection | Schurter Electronic Components

Sharp Microelectronics of the Americas | Silicon Labs | SL Power Electronics | Spectrum Control Inc. | SST | STEC | ST | Supertex

Switchcraft | Tamura | TAOS | TDK | Techspray | Teledyne Relays A Teledyne Technologies Company

Texas Instruments | TT electronics | Tyco Electronics Authorized Distributor | VCC | Vishay | Xicon | Zetex Semiconductors | zilog

engineered for engineers

www.mouser.com (800) 346-6873

The NEWEST Semiconductors | Passives | Interconnects | Power | Electromechanical | Test, Tools & Supplies

Optoelectronics
Semiconductors

Circuit Protection
Passives

Interconnects
Wire & Cable

Electromechanical
Sensors

Enclosures
Thermal Management

Power
Test, Tools, Supplies

STM32 MCU Powered by ARM® Cortex™-M3

STM32F10X-128K-EVAL
MB542
MB525 Rev.B
STM32
Cortex
Intelligent Processors by ARM

STM32 Cortex™ Products
Pg. 192

CORTEX™-M3

Reshaping the microcontroller marketplace, the STM32 MCU family is the first to combine 32-bit performance and features with the integration and end-user cost of today's 16-bit MCUs. The STM32 brings new degrees of freedom to MCU users with its high performance Cortex™-M3 core, low power consumption of only 36mA at 72MHz, standby modes down to 2uA, first class peripherals, maximum integration, simple architecture, and easy-to-use tools.

The STM32 family is available in two pin and software compatible product lines. The Performance Line runs up to 72MHz and the Access Line provides an entry point for 32-bit MCU performance at 16-bit MCU cost. Both product lines are available with embedded Flash options from 32KB to 128KB and packages ranging from 48 to 100 pins. This broad family combines high performance with outstanding power efficiency to address multiple applications including point-of-sale products, USB devices, industrial automation, medical, building security, high-end appliances, and more.

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser! For more information or to purchase STMicroelectronics products online, visit *www.mouser.com/st* today!

www.mouser.com/st **(800) 346-6873**

MOUSER ELECTRONICS®
a tti company

The Newest Products
For Your Newest Designs

The NEWEST Semiconductors | Passives | Interconnects | Power | Electromechanical | Test, Tools & Supplies from Mouser Electronics

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. Other products, logos, and company names mentioned herein, may be trademarks of their respective owners.

SEMICONDUCTORS, OPTOELECTRONICS, AND EMBEDDED SOLUTIONS

Section Pages : 3 - 476

Semiconductors, Optoelectronics, and Embedded Solutions

RABBIT Semiconductor
FUJITSU
SST
AEROCOMM
STEC
Dialight
LANTRONIX
CATALYST SEMICONDUCTOR, INC.
ANALOGIC TECH
PACIFIC SILICON SENSOR Incorporated
OPTREX LCD Total Solution Provider
NEC NEC Electronics America
antenova
POWER INTEGRATIONS
Amulet Technologies Empowering Flat Panel Displays
MultiTech Systems
MaxStream.
wolfson microelectronics
TAIWAN SEMICONDUCTOR
TT electronics
Lattice Semiconductor Corporation
lamina
Kingbright
EVERLIGHT
LITEON
HANTRONIX
JKL Components Corporation
ENPIRION
Quickfilter Technologies
ISSI
FlexiPanel
OKI
ConnectOne The Device Networking Authority
VCC LED MOUNTING COMPONENTS
MATHSTAR
UMEX
FTDI Chip
SII
TAOS
SMSC SUCCESS BY DESIGN
CEL
Sunbrite
CML INNOVATIVE TECHNOLOGIES
Central Semiconductor Corp.
MATRIX ORBITAL
DLC
Microtips TECHNOLOGY
ZETEX SEMICONDUCTORS
Supertex
THAT Corporation
LedEngin, Inc.
TEXAS INSTRUMENTS
freescale semiconductor
ATMEL
SILICON LABS
CYPRESS PERFORM
VISHAY
FAIRCHILD SEMICONDUCTOR
ON Semiconductor
ST
MICROCHIP
Digi
Actel
SHARP MICROELECTRONICS OF THE AMERICAS
DIODES INCORPORATED
zilog

Turn to Mouser for all the NEWEST semiconductor, optoelectronic, and embedded products you need for your NEW design projects. Our vast selection of the NEWEST products from the top manufacturers in the industry are sure to satisfy your requirements!

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser!

For more information about our extensive line of semiconductor products, visit *www.mouser.com* today to easily buy online!

www.mouser.com (800) 346-6873

MOUSER ELECTRONICS®
a tti company

The Newest Products
For Your Newest Designs

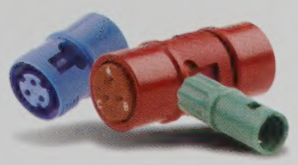
The NEWEST Semiconductors | Passives | Interconnects | Power | Electromechanical | Test, Tools & Supplies from Mouser Electronics

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. Other products, logos, and company names mentioned herein, may be trademarks of their respective owners.

ST

STM32 ARM® Cortex™-M3 MCU

The STM32 is the first family of MCUs to combine 32-bit performance and features with the integration and end-user cost of today's 16-bit MCU.
Page: **192**

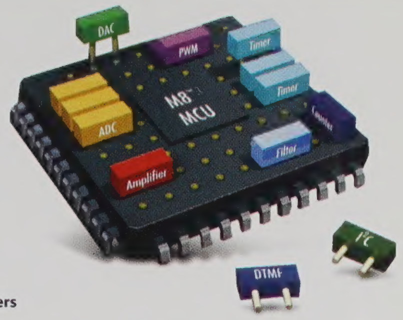


Amphenol®

Environmentally Sealed In-Line Junctions

Compact, cylindrical plug with receptacle housings that lock firmly together in a simple "twist and pull" or "squeeze and pull" motion.

Page: **1136**



CYPRESS
PERFORM

PSoC® Mixed Signal Controllers

Programmable System-On-Chip™ (PSoC®) mixed-signal array that is a complete system-level solution with configurable digital and analog peripherals, an 8-bit microcontroller, and three types of embedded memory. PSoC combines maximum design flexibility with ease of use and minimizes design time, chip count, board size, and cost for products targeting the consumer, computation, communications, automotive, and industrial equipment markets.

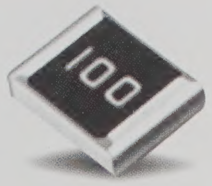
Page: **167**

New Products highlight

PRODUCT NEW

The products on this page represent a small portion of the NEW PRODUCTS added to our catalog. For the complete list of all NEW PRODUCTS, visit ***www.mouser.com/newproducts*** today!

NEW PRODUCTS are easily identified by the New Product logo next to the part or a blue banner on the outside of the catalog page.

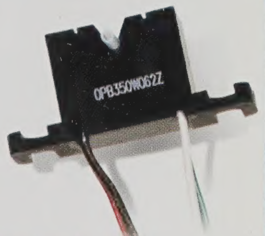


BOURNS®
Reliable Electronic Solutions

Power Resistors: CRA2010/CRA2512

High-power current-sense chip resistors with power rating at 70ºC.

Page: **552**



TT electronics
OPTEK Technology

Fluid Sensors

Liquid sensors designed to work with 1/16", 1/8", 3/16", and ¼" outside diameter clear tubes.

Page: **152**

LEMO

Redel® P Series Connectors

Redel self-latching plastic connectors with alignment key for medical applications.

Page: **1150**

OMRON
ELECTRONIC COMPONENTS

MOSFET Relays: G3VM-22CO/FO

MOSFET relays feature unique contact construction with one input channel driving two output channels.

Page: **1551**

C&D TECHNOLOGIES

Power Inductors: 4500 and 4600 Series

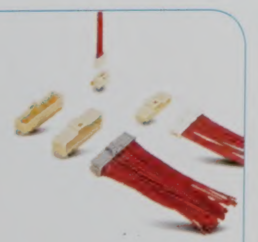
Bobbin-wound, shielded, surface mount power inductors.

Page: **830**

MICROCHIP

Development Tools – DM300027 Starter Board

Low-cost, 16-bit, 28-pin board supports 28-pin PIC24 microcontrollers or digital signal controller (DSC) devices.
Page: **184**

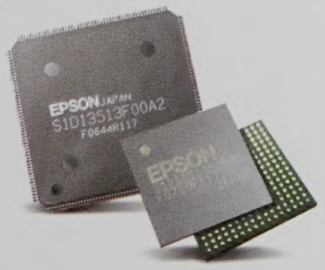


molex
one company › a world of innovation

Pico-Clasp™ Pitch Connectors

Smallest pitch for positive lock wire-to-board crimp system.

Page: **1276**



EPSON

LCD Controllers

Offers operating system independent display solutions for the embedded market.

Page: **61**

PHOENIX CONTACT
INSPIRING INNOVATIONS

SPEEDCON Connectors

Connectors for PCB-mount, wall feed-through, and field installation.

Page: **1152**

LANTRONIX

Embedded Wireless Device Server

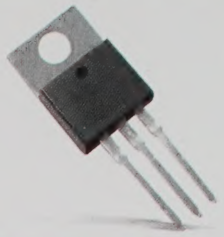
Device server for building wireless networking into any electronic device with a serial interface.
Page: **41**

TEXAS INSTRUMENTS

CC2510 Radio Transceiver

Powerful 2.4GHz system-on-chip designed for low-power and low-voltage wireless communication applications.

Page: **11**



DIODES INCORPORATED

SBR® Super Barrier Rectifiers

Rectifiers with the benefits of traditional pn-junction and Schottky barrier diodes in a single device.

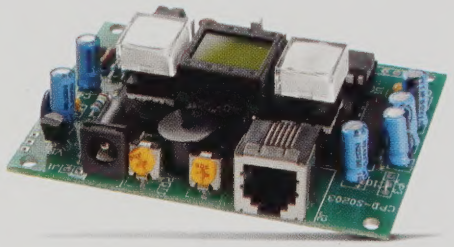
Page: **378**

New Technologies highlight

NEW! TECHNOLOGY

The products on this page represent a small portion of the NEW TECHNOLOGIES added to our catalog. For the complete list of all NEW TECHNOLOGIES, visit ***www.mouser.com/newtechnologies*** today!

NEW TECHNOLOGIES are easily identified by the New Technology logo next to the part or a red banner on the outside of the catalog page.

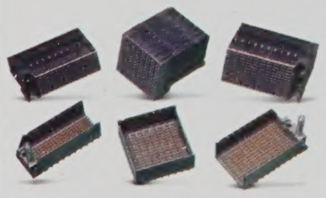


NKK® SWITCHES

SmartSwitch™ Development Kits

Development kits for experimenting with SmartSwitch™ technology to develop text, graphics, and moving images.

Page: **1415**



molex
one company › a world of innovation

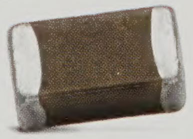
I-Trac™ Backplane Connectors

Connector system with broadside-coupled, skew equalized design capable of 12 Gbps data rates.
Page: **1182**

The Capacitance Company
KEMET
CHARGED

FT-CAP Flexible Termination MLCC

Surface mount, multi-layer ceramic capacitor with conductive epoxy utilized between the conductive metallization and nickel barrier finish.
Page: **652**

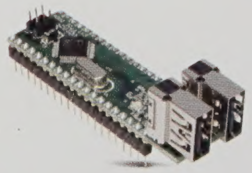


VISHAY

VJ HVArc Guard® C0G (NP0)/ X7R Capacitors

Surface mount, multi-layer ceramic capacitors protect against surface arc-over.

Page: **684**



FTDI Chip

VDIP2 USB Host Controller Module

MCU-to-USB host controller development module supplied on a PCB; designed to fit a 40-pin DIP socket.

Page: **40**

ITW Switches

Touch Sensitive Switches

Switches with ActiveMetal technology provide the advantage of touch-sensitive technology without sacrificing durability.

Page: **1384**

Environmental Commitment

RoHS Compliant* Sample Kits

Turn to pages 1966—1969 to view a variety of RoHS Compliant* Sample Kits.

NEW SUPPLIER

New Suppliers highlight

The supplier logos shown here illustrate some of our NEW SUPPLIERS added to our catalog. For the complete list, turn to the Supplier Index in the back of the catalog or visit ***www.mouser.com/newsuppliers*** today!

NEW SUPPLIERS are easily identified by a New Supplier logo next to a part or a gray banner on the outside of the catalog page.

Actel	Pages: **230-231**
ADAM TECH Adam Technologies, Inc.	Pages: **1046, 1162, 1209**
ASTEC	Pages: **1788, 1818**
ATMEL	Pages: **162-164, 176, 209-210, 1777**
AVAGO TECHNOLOGIES	Pages: **73, 82, 86-88, 140-141, 304, 372**
COMAIR ROTRON	Pages: **1719-1722, 1738**
CYPRESS PERFORM	Pages: **165-167**
EPSON	Pages: **61**
EVOX RIFA A KEMET Company	Page: **718**
FTDI Chip	Page: **37, 40**
Laird TECHNOLOGIES	Page: **802-804**
LEMO	Page: **1147-1150**
PACIFIC SILICON SENSOR Incorporated	Page: **153**
PERICOM Enabling Serial Connectivity	Page: **273-274**
RFM RF Monolithics, Inc.	Page: **26**
wolfson microelectronics	Pages: **299-300**

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. Other products, logos, and company names mentioned herein, may be trademarks of their respective owners.
*All components RoHS compliant per producer documentation.

Semiconductors, Optoelectronics, and Embedded Solutions

RABBIT Semiconductor
FUJITSU
SST
AEROCOMM
STEC
Dialight
LANTRONIX
CATALYST SEMICONDUCTOR, INC.
ANALOGIC TECH
PACIFIC SILICON SENSOR Incorporated
OPTREX LCD Total Solution Provider
NEC NEC Electronics America
antenova
POWER INTEGRATIONS
Amulet Technologies Empowering Flat Panel Displays
MultiTech Systems
MaxStream.
wolfson microelectronics
TAIWAN SEMICONDUCTOR
TT electronics
Lattice Semiconductor Corporation
lamina
Kingbright
EVERLIGHT
LITEON
HANTRONIX
JKL Components Corporation
ENPIRION
Quickfilter Technologies
ISSI
FlexiPanel
OKI
Connect One The Device Networking Authority
VCC LED MOUNTING COMPONENTS
MATHSTAR
LUMEX
FTDI Chip
SII
TAOS
SMSC SUCCESS BY DESIGN
CEL
LED Sunbrite
CML INNOVATIVE TECHNOLOGIES
Central Semiconductor Corp.
MATRIX ORBITAL
DLC
Microtips TECHNOLOGY
ZETEX SEMICONDUCTORS
Supertex
THAT Corporation
LedEngin, Inc.
TEXAS INSTRUMENTS
freescale semiconductor
ATMEL
SILICON LABS
CYPRESS PERFORM
VISHAY
FAIRCHILD SEMICONDUCTOR
ON Semiconductor®
ON
ST
MICROCHIP
Digi
Actel
SHARP MICROELECTRONICS OF THE AMERICAS
DIODES INCORPORATED
zilog

Turn to Mouser for all the NEWEST semiconductor, optoelectronic, and embedded products you need for your NEW design projects. Our vast selection of the NEWEST products from the top manufacturers in the industry are sure to satisfy your requirements!

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser!

For more information about our extensive line of semiconductor products, visit *www.mouser.com* today to easily buy online!

www.mouser.com (800) 346-6873

MOUSER ELECTRONICS®
a tti company

The Newest Products For Your Newest Designs

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. Other products, logos, and company names mentioned herein, may be trademarks of their respective owners.

EMBEDDED SOLUTIONS

Wireless Solutions

AeroComm 5-7
Antenova 8
Chipcon/TI 9-14
Cirronet Inc. 15
DLP Design 16
Flexipanel 17
Freescale 18
Helicomm 28
Maxstream 19
OKI 28
Phoenix Contact 20
Quatech 21
Rabbit Semiconductor 22
Radiotronix 23-25
RF Monolithics 26
Silicon Labs 28
Skytek 27
Tek 29
Tyco Electronics 30

Embedded Modules

Connect ONE 31
Digi International 32-36
DLP Design 37-39
FTDI 37, 40
Lantronix 41-42
Multi-Tech Systems 43
NetBurner 44-45
Parallax 46-47
Rabbit Semiconductor 48-52
Silex 53

Single Board Computers

Rabbit Semiconductors 54-59

OPTOELECTRONICS

LCD Displays

Amulet Technologies 60
EPSON 61
Fujitsu 62
Hantronix 63-64
Lumex 65
Matrix Orbital 66
Microtips 67-68
Optrex 69
Sharp 70
Varitronics 71
Vishay 72

LED Displays

Avago 73
Kingbright 74-75
Lite-On 76-77
Lumex 78

Opto Drivers

Catalyst 79
NJR 79
Supertex 79-80
Texas Instrument 79
Zetex 79

Hi-Power LEDs

Avago 82
Chicago Miniature (CML) 81-82
Dialight 81
Lamina 84
Ledengin 83
Lite-On 83
Lumex 83
Optek 81, 83
Seoul Semiconductor 83, 85

Illumination

Avago 86-88
Chicago Miniature (CML) 89-96
Dialight 97-104
Everlight 105-109
JKL Components 110-111
Kingbright 112-117
Lite-On 118-121
Lumex 122-129
Optek 130
Sunbrite 131
Vishay Semiconductors 132-133
VCC 134-137
Xicon 138-139

Opto Components

Avago 140-141
Diode Laser Concepts (DLC) 142
Everlight 143-144
Fairchild 145-147
Lite-On 148
NEC/CEL 149-151
Optek 152
Pacific Silicon Sensors 153
Sharp Microelectronics 154-155
TAOS 156
Vishay Semiconductors 157-161

SEMICONDUCTORS

MCU/MPU

Atmel 162-164
Cypress 165-167
Freescale 168-175
Keil Software 176
Luminary Micro 177
Microchip 178-184
OKI Semiconductor 185
Parallax 186
Ramtron 187
Silicon Labs 188-190
Silicon Storage Technology (SST) 191
STMicroelectronics 192-194
Texas Instruments 195-196
Zilog 197-205

Programmers

BK Precision 206
EETools 207
Xeltek 208

Memory

Atmel 209-210
Catalyst 211-214
ISSI 215-216
Memtech 217
Microchip 218-219
Ramtron 220
Seiko 221
Sharp Microelectronics 222
Silicon Storage Technology (SST) 222-224
STEC 225
STMicroelectronics 226-229

Logic - Programmable

Actel 230, 231
Lattice 232-236
Mathstar 237
STMicroelectronics 238

Logic - Standard

Fairchild 239-245
ON Semiconductor 246-249
STMicroelectronics 250-252
Texas Instruments 253-260

Analog ICs & Mixed Signal

Advanced Linear Devices (ALD) 261
Catalyst 262, 263
Fairchild 264, 265
Quickfilter 265
Freescale 266
Taiwan Semiconductor 267
Lattice 268
Microchip 269, 270
NJR 271
Omron 271
ON Semiconductor 272
Pericom 273, 274
PLX Technology 275-276
Silicon Labs 277, 278
SMSC 279
STMicroelectronics 280-289
Supertex 285-289
Texas Instruments 290-294
THAT Corporation 295, 296
Vishay/Siliconix 297, 298
Wolfson 299, 300
Zetex 301, 302

Amplifier ICs

Advanced Linear Devices (ALD) 303
Avago 304
NEC/CEL 305-308
Fairchild 309
Microchip 310
NJR 311-312
ON Semiconductor 313
STMicroelectronics 314-319
Texas Instruments 319-326

Power Management

(Regulators, References, and Comparators)

AME 327
Analogic Tech 328
Diodes, Inc. 329-331
Enpirion 332
Fairchild 333-335
NJR/JRC 336
Microchip 337-338
NEC 339, 340
ON Semiconductor 341-346
Power Integrations 347-348
Seiko 349-354
Sharp Microelectronics 354-356
STMicroelectronics 357-364
Texas Instruments 365-369
Vishay/Siliconix 370
Zetex 371

DISCRETE SEMICONDUCTORS

Diodes and Rectifiers

Avago 372
Bourns 373
Central 374-375
Diodes Inc 376-383
Fairchild 384-389
Eupec 390
MCC 391
ON Semiconductor 392-395
Rectron 396
Shindengen 397-399
STMicroelectronics 400-401
Taiwan Semiconductor 402-404
Vishay Semiconductors 405-410
Vishay/Siliconix 411
Zetex 412

Transistors

NEC/CEL 413-415
Central 416-417
Diodes Inc 418
Fairchild 419-423
ON Semiconductor 424-428
STMicroelectronics 429-430
Vishay/Siliconix 431-432
Zetex 433-436

MOSFETs

Advanced Linear Devices (ALD) 437
Fairchild 438-442
ON Semiconductor 443-444
STMicroelectronics 445-446
Supertex 447-448
Vishay/Siliconix 449-453
Zetex 454-455

Thyristors

Bourns 456-457
Littelfuse 458-460
ON Semiconductor 461
STMicroelectronics 462-463

Transient Protection

AVX 464-465
Fairchild 466
Littelfuse 467-469
ON Semiconductor 470
STMicroelectronics 471-472
Vishay Semiconductors 473-476

AEROCOMM Embedded Wireless Modules

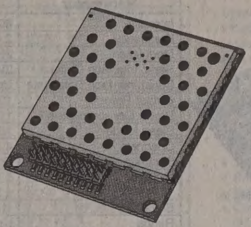
AEROCOMM

Products may be RoHS compliant.
Check mouser.com for RoHS status.

900 MHZ AC4490 SERIES - SERVER/CLIENT PROTOCOL

Compact AC4490 900MHz transceivers can replace miles of cable in harsh industrial environments. Using field-proven FHSS technology that needs no additional site licensing*, AC4490s reject interference, enable co-located system operation, increase output power and maintain data integrity.

AC4490s feature drop-in installation and a number of on-the-fly control commands, providing OEMs with a versatile interface for any application. They can be used as direct wire replacements, requiring no special host software for communication. All frequency hopping, synchronization and RF system data transmission/reception is performed by the transceiver.



Features:

- High 900MHz data rate: 115.2 Kbps
- Small form factor: 1.65 x 1.9 inches
- Operates in –40°C to +80°C temperatures
- Variable output power: 5mW to 1000mW
- One full watt enables 20-mile possible range
- Lowest cost one-watt module available

Parameter	AC4490-200	AC4490-1000
Interface	20-pin mini connector	20-pin mini connector
Frequency*	902-928 MHz (U.S)**	902-928 MHz (U.S)**
Modulation	FHSS FSK	FHSS FSK
Serial Interface Options	3V or 5V TTL	3V TTL
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power (w/ 3dBi antenna)	5mW-200mW variable	5mW-1000mW variable
Power Consumption†	68 mA typical @ 200mW	765 mA typical @ 1000mW
Channels	Up to 48 (U.S.)**	Up to 32 (U.S.)**
Security	One-byte system ID, DES	One-byte system ID, DES
Voltage	3.3V-5.5V	pin 10: 3.3V-5.5V pin 11: 3.3V +/-3%
Sensitivity	-99 dB @ full RF data rate	-99 dB @ full RF data rate
Range	Up to 4 miles (6.5 km)	Up to 20 miles (32 km)
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)
Weight	< 0.75 oz (< 21 g)	< 0.75 oz (< 21 g)
Antenna	Integrated and external dipole	External dipole

* The 900MHz frequency band is approved in the Americas and Australia an an unlicensed spectrum subject to approval by device.
** For products and specifications suited to non-U.S. countries, please contact AeroComm directly.
† Power consumption assumes 50% transmitter on-time.

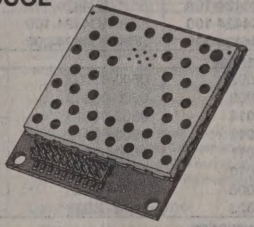
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each 1	Price Each 50
5mW-200mW Variable Modules				
814-AC4490-200M	AC4490-200M	900 MHz FHSS module w/ MMCX ant. connector, RS232	**62.50**	**58.50**
814-AC4490-200A	AC4490-200A	900 MHz FHSS module w/ integral ant., RS232	**63.85**	**59.50**
814-AC4490200M5485	AC4490-200M-485	900 MHz FHSS module w/ MMCX ant. connector, RS485	**63.50**	**59.20**
5mW-1000mW Variable Modules				
814-AC4490-1000M	AC4490-1000M	900 MHz FHSS module w/ MMCX ant. connector	**77.50**	**73.50**
814-AC44901000M485	AC4490-1000M-485	900 MHz FHSS module w/ MMCX ant. connector, RS485	**78.50**	**74.50**
AC4790 Series - Peer/Peer Protocol				
814-SDK-AC4790-200M	SDK-AC4790-200M	AC4790-200M Developer Kit	**199.95**	-
814-SDK-AC4790-200A	SDK-AC4790-200A	AC4790-200A Developer Kit	**199.95**	-
814-SDK-AC47901000M	SDK-AC4790-1000M	AC4790-1000M Developer Kit	**199.95**	-

900 MHZ AC4790 SERIES - PEER/PEER PROTOCOL

High-performance AC4790 transceivers utilize AeroComm's "masterless" protocol, allowing each transceiver to communicate with any other in-range transceiver for true peer-to-peer operation.

AC4790's protocol features a dynamic addressing scheme, which simplifies the most efficient transmission path, so OEMs can design routing sequences that optimize the RF network. This makes AC4790 ideal for a wide variety of RF network. This makes AC4790 ideal for a wide variety of industrial applications that must rely on smooth, constant data flow.



Features:

- True peer-to-peer protocol
- Small form factor: 1.65 x 1.9 inches
- API commands to control packet routing
- Software-controlled sensitivity
- Remote radio discover
- Variable output power: 5mW to 1000mW

Parameter	AC4790-200	AC4790-1000
Interface	20-pin mini connector	20-pin mini connector
Frequency*	902-928 MHz (U.S)**	902-928 MHz (U.S)**
Modulation	FHSS FSK	FHSS FSK
Serial Interface Options	3V or 5V TTL	3V TTL
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power (w/ 3dBi antenna)	5mW-200mW variable	5mW-1000mW variable
Power Consumption†	68 mA typical @ 200mW	765 mA typical @ 1000mW
Channels	Up to 48 (U.S.)**	Up to 32 (U.S.)**
Security	One-byte system ID, DES	One-byte system ID, DES
Voltage	3.3V-5.5V	3.3V
Sensitivity (adjustable)	-99 dB @ full data rate	-99 dB @ full data rate
Range (line-of-sight)	Up to 4 miles (up to 6.5 km) with external antenna	Up to 20 miles (up tp 32 km) with high-gain antenna
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)
Weight	< 0.75 oz (< 21 g)	< 0.75 oz (< 21 g)
Antenna	Integrated or external dipole††	External dipole††

* The 900MHz frequency band is approved in the Americas and Australia an an unlicensed spectrum subject to approval by device.
** For products and specifications suited to non-U.S. countries, please contact AeroComm directly.
† Power consumption assumes 50% transmitter on-time.
†† Higher-gain antennas optional.

900 MHz Antennas and Accessories

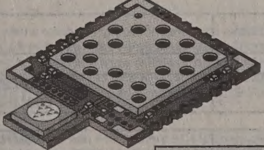
MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
814-0600-00019	0600-00019	1/2 wave, 7" Swivel, 2dBi, RA, MMCX plug	**16.00**
814-0600-00025	0600-00025	1/2 wave, 7", 2dBi, MMCX plug	**16.00**
814-0600-00024	0600-00024	1/2 wave, 7", 2dBi, RA, RPSMA	**16.00**
814-0600-00027	0600-00027	1/2 wave, 7", 2dBi, RPSMA	**16.00**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each 1	Price Each 50
5mW-200mW Variable Modules				
814-AC4790-200M	AC4790-200M	900 MHz FHSS module w/ MMCX ant. connector, RS232	**62.50**	**58.50**
814-AC4790-200A	AC4790-200A	900 MHz FHSS module w/ integral ant., RS232	**63.85**	**59.50**
5mW-1000mW Variable Modules				
814-AC4790-1000M	AC4790-1000M	900 MHz FHSS module w/ MMCX ant. connector, RS232	**77.50**	**73.50**
814-AC47901000M485	AC4790-1000M-485	900 MHz FHSS module w/ MMCX ant. connector, RS485	**78.50**	**74.50**
AC4490 Series - Server/Client Protocol				
814-SDK-AC4490200M	SDK-AC4490-200M	AC4490-200M-3 Developer Kit	**199.95**	-
814-SDK-AC4490200A	SDK-AC4490-200A	AC4490-200A-3 Developer Kit	**199.95**	-
814-SDKAC44901000M	SDK-AC4490-1000M	AC4490-1000M-3 Developer Kit	**199.95**	-

ZIGBEE™ RF TRANSCEIVERS

AeroComm's new ZB2430 module, based on Texas Instruments' leading edge 802.15.4 SoC & Z-Stack™ technology, is one of the most powerful ZigBee compliant solutions on the market today. The ZB2430 provides OEMs with industry leading 2.4GHz module performance in low power consumption, integration, long range, features and functionality.



NEW FROM SUPPLIER

RoHS Compliant

Features:

- Market's first SoC ZigBee compliant module
- 2.4 GHz ISM brand for global applications
- 128 kB Flash memory
- Best-in-class power-draw performance
- Long range performance
- Battery monitor, temperature sensor, timer
- Reliable ZigBee mesh architecture
- 128 bit AES
- GPIO, ADC, DAC

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each 1	Price Each 50
FlexBee OEM ZigBee Transceivers (2.4 GHz, 3V, 2 mW)				
814-ZB2430-D-C-S-U	ZB2430-D-C-S-U	Low power (2mW),Coordinator,Surface mount, UF.L antenna	**22.50**	**21.25**
814-ZB2430-D-E-S-A	ZB2430-D-E-S-A	Low power (2mW),End Device,Surface mount, chip antenna	**29.25**	**28.25**
814-ZB2430-D-R-S-U	ZB2430-D-R-S-U	Low power (2mW),Router,Surface mount, UF.L antenna	**22.50**	**21.25**
814-SDK-ZB2430-D-S-A	SDK-ZB2430-D-S-A	Low Pwr SMT FlexBee Dev Kit, 1 Coordinator, 3 Rtrs(RS-232 Chip ant), 1 End Device	**495.00**	-
814-SDK-ZB2430-D-S-U	SDK-ZB2430-D-S-U	Low Pwr SMT FlexBee Dev Kit, 1 Coordinator, 3 Rtrs, 1 End Device	**495.00**	-
Long Range "FlexBee" OEM ZigBee Transceivers (2.4 GHz, 3V, 2-100 mW)				
814-ZB2430-Q-C-S-A	ZB2430-Q-C-S-A	High power (100mW),Coordinator,Surface mount, chip antenna	**29.95**	**29.00**
814-ZB2430-Q-C-S-U	ZB2430-Q-C-S-U	High power (100mW),Coordinator,Surface mount, UF.L antenna	**29.95**	**29.00**
814-ZB2430-Q-E-S-A	ZB2430-Q-E-S-A	High power (100mW),End Device,Surface mount, chip antenna	**29.95**	**29.00**
814-ZB2430-Q-R-S-A	ZB2430-Q-R-S-A	High power (100mW),Router,Surface mount, chip antenna	**29.95**	**29.00**
814-ZB2430-Q-R-S-U	ZB2430-Q-R-S-U	High power (100mW),Router,Surface mount, UF.L antenna	**29.95**	**29.00**
814-SDK-ZB2430-Q-S-U	SDK-ZB2430-Q-S-U	Long Range SMT FlexBee Dve Kit, 1 Coordinator, 3 Rtrs(RS-232 Chip ant), 1 End Device	**495.00**	-
814-SDK-ZB2430-Q-S-A	SDK-ZB2430-Q-S-A	Long Range SMT FlexBee Dve Kit, 1 Coordinator, 3 Rtrs, 1 End Device	**495.00**	-

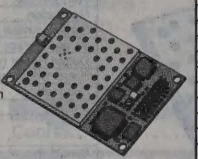
Parameter	ZB2430 2 mW	ZB2430 100 mW
Interface	SMT	SMT
Serial Interface Options	3V TTL	3V or 5V TTL
Serial Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
RF Baud Rate	250 Kbps	250 Kbps
Power Draw (typical)	25 mA	169 mA
Channels		
Security	128 bit AES & SSP	128 bit AES & SSP
Frequency Band		
Modulation	DSSS QPSK	DSSS QPSK
antenna)	120 dBm - 2 dBm variable	10 dBm - 20 dBm variable
Voltage	3.0V - 3.5V	3.0V - 3.5V
Sensitivity	-94 dB typical	-94 dB typical
Range	Up to 135 m with external antenna	Up to 1.6 km with external antenna
Temperature	-40° to +85°C	-40° to +85°C
Humidity	10% - 90%	10% - 90%
Dimensions	1.00 x 1.35 x 0.22 inches (25.4 x 34.3 x 5.5mm)	1.00 x 1.35 x 0.22 inches (25.4 x 34.3 x 5.5mm)
Weight	< 0.7 oz (< 20g)	< 0.7 oz (< 20g)
Antenna Connector	U.FL Connector	U.FL Connector

AEROCOMM Embedded Wireless Modules

AEROCOMM

Products may be RoHS compliant.
Check mouser.com for RoHS status.

2.4 GHZ AC4424 SERIES - WIRELESS TRANSCEIVER MODULES, FLEXIBLE PROTOCOL



AC4424 is a 2.4GHz FHSS digital transceiver that represents a breakthrough in industrial RF communication. Comprised of a complete, agency-certified radio and sophisticated RF232® protocol, AC4424 simplifies the OEM's design effort and assures successful field operation.

RF232 makes AC4424 a drop-in module for seamless integration, easy operation and fast time-to-market. As each transceiver receives raw data, it manages protocol over-the-air to assure successful transmissions. Headers, data packet length and CRCs are not needed. The process is transparent to the OEM.

AC4424 modules are socket-compatible with AeroComm's 900MHz AC4490 transceivers, enabling OEMs to design once and subsequently interchange radios to accommodate new markets, regulations and environments.* Developer tools and support back every transceiver line.

*Although AC4424s will not talk to AC4490s, socket-compatibility allows for seamlessly interchanging the modules network-wide.
**Power consumption assumes 50% transmitter on-time.
† 32 channels in U.S.; 16 channels in Spain, 16 channels in France.

RoHS Compliant

Parameter	AC4424-10	AC4424-100	AC4424-200
Interface	20-pin mini connector	20-pin mini connector	20-pin mini connector
Frequency	2.402 - 2.478 GHz	2.402 - 2.478 GHz	2.402 - 2.478 GHz
Modulation	FHSS FSK	FHSS FSK	FHSS FSK
Serial Interface Options	3V or 5V TTL	3V or 5V TTL	3V or 5V TTL
Serial Interface Data Rate	Up to 192 Kbps	Up to 192 Kbps	Up to 192 Kbps
Output Power	10mW	100mW	200mW
Power Consumption**	115/90 mA	160/85 mA	260/90 mA
Sleep Mode	15 mA	15 mA	15 mA
Channels	4 sets of 16†	4 sets of 16†	4 sets of 16†
Security	One-byte system ID, DES	One-byte system ID, DES	One-byte system ID, DES
Voltage	5 V nominal ±2% ± 5 mV ripple	5 V nominal ± 2% ± 5 mV ripple	5 V nominal ± 2% ± 5 mV ripple
Sensitivity	-100 dB @ full RF data rate	-100 dB @ full RF data rate	-100 dB @ full RF data rate
Range	Up to 0.5 mile (1 km)	Up to 1 mile (2 km)	Up to 2 miles (3 km)
Temperature	-40° to +80°C	-40° to +80°C	-40° to +80°C
Humidity	10% to 90%	10% to 90%	10% to 90%
Dimensions	1.65 x 2.65 x 0.20 inches (6.7 x 4.2 x 0.5 cm)	1.90 x 2.65 x 0.20 inches (6.7 x 4.2 x 0.5 cm)	1.90 x 2.65 x 0.20 inches (6.7 x 4.2 x 0.5 cm)
Weight	< 0.7 oz (< 20 g)	< 0.7 oz (< 20 g)	< 0.7 oz (< 20 g)
Antenna	MMCX receptacle	MMCX receptacle	MMCX receptacle

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each	
			1	50
814-AC4424-10	AC4424-10	2.4GHz OEM Transceiver, 5V TTL Serial, 10mW	**92.00**	**90.00**
814-AC4424-10A	AC4424-10A	2.4GHz OEM Transceiver, 5V TTL Serial, 10mW, integral ant.	**95.00**	**93.00**
814-AC4424-100	AC4424-100	2.4GHz OEM Transceiver, 5V TTL Serial, 100mW	**98.00**	**95.00**
814-AC4424-200	AC4424-200	2.4GHz OEM Transceiver, 5V TTL Serial, 200mW	**99.00**	**97.00**

2.4 GHZ WIRELESS TRANSCEIVER MODULE DEVELOPMENT KITS, ANTENNAS, AND ACCESSORIES

AeroComm provides a complete development environment to help you integrate and test RF communication in a matter of minutes.

Development Kits Include:
- 2 Transceivers
- 2 Adapter Boards
- Software Utilities
- 2 AC Power Adapters
- 2 DB9 serial cables
- 2 USB cables
- 2 Dipole Antennas
- Documentation

System Requirements:
- Win® 95, 98, ME, NT, XP, or 2K
- Two PCs each with one serial port, or one PC with two serial ports

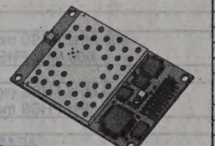
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
2.4 GHz Development Kits			
814-SDK-AC4424-10A	SDK-AC4424-10A	AC4424-10A Developer Kit	**199.95**
814-SDK-AC4424-100	SDK-AC4424-100	AC4424-100 Developer Kit	**199.95**
814-SDK-AC4424-200	SDK-AC4424-200	AC4424-200 Developer Kit	**199.95**
2.4 GHz Antennas			
814-0600-00002	0600-00002	1/2 wave, 5", 2dBi, RA, MMCX plug	**15.00**
814-0600-00008	0600-00008	1/2 wave, 5", 2dBi, MMCX plug	**15.00**
814-0600-00014	0600-00014	1/2 wave, 5", 2dBi, RA, RPSMA	**15.00**
814-0600-00012	0600-00012	7", 5dBi, RA, MMCX plug	**16.00**
814-0600-00011	0600-00011	7", 5dBi, MMCX plug	**16.00**
814-0600-00010	0600-00010	7", 5dBi, RA, RPSMA	**16.00**
814-2150-00006	2150-00006	NZH2400 microstrip antenna	**10.00**
814-1300-00023	1300-00023	5" RG178 coax, RA MMCX plug to RPSMA bulkhead	**14.00**
2.4 GHz Accessories			
814-0700-00012	0700-00012	Samtec 20-pin mating connector for AC4424 and AC4490	**4.00**
814-0650-00005	0650-00005	Power Supply, 7.5 VDC, 1.5A, Sw. Reg, 100-240 VAC	**20.00**

868 MHZ AC4486/4868 SERIES - WIRELESS TRANSCEIVER MODULES

Compact 868MHz* transceivers can replace miles of cable in harsh environments. Using field-proven RF technology which needs no additional ETSI (Europe) licensing, OEMs with little or no previous RF experience can easily and quickly make existing systems wireless.

Modules features drop-in installation and a number of on-the-fly control commands, providing OEMs with a versatile interface. They can be used as direct wire replacements, requiring no special host software for communication. All synchronization, and RF system data transmission/reception is performed by the transceiver. The modules are socket-compatible** with AeroComm's 900MHz AC4490 modules and 2.4GHz AC4424 models to allow for interchanging the network's frequency. This preserves OEMs' hardware/software investments while providing solutions that meet different markets and regulations.



*The 868MHz frequency band is approved in Europe as an unlicensed spectrum subject to approval by device.
**Although AC4486/4868 radios will not talk to AC4490 radios, socket-compatibility allows for interchanging the modules network-wide.

RoHS Compliant

Parameter	ACE6490 Model	ACE6790 Model
Interface	20-pin mini connector	20-pin mini connector
Frequency *	869.70 – 869.65MHz *	869.40 – 869.65MHz *
Modulation	FSK	SF FSK
Serial interface options	3V TTL	3V TTL
Serial interface data rate	Up to 115.2 Kbps	Up to 57.6 Kbps
Output power (w/ 2dBi ant.)	5mW variable	250mW variable
Power consumption	40mA/30mA (transmit/receive)	240mA/36mA (transmit/receive)
Security	One-byte system ID	One-byte system ID
Sensitivity (w/ 2dBi ant.)	-100 dB typical @ 76.8 Kbps	-103 dBm typical @28.8 Kbps
Voltage	3.3V nominal ±2%, +/-30mV	Pin 10: 3.3-5.5V ±50mV ripple Pin 11: 3.3V ±3%, ±100mV ripple
Range	Up to 1000 meters	Up to 15 kilometers
Temperature	-40o to +80°C	-40o to +80°C
Humidity	10% to 90%	10% to 90%
Dimensions	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)	1.90 x 1.65 x 0.20 inches (49 x 42 x 5 mm)
Weight	< 0.75 oz (< 21 g)	< 0.75 oz (< 21 g)
Antenna	External MMCX connector	External MMCX connector

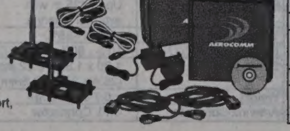
MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each	
			1	50
5mW Variable Modules				
814-AC4486-5M	AC4486-5M	868MHz transceiver, TTL serial RS232, 0–250mW, MMCX antenna	**58.45**	**55.00**
814-AC4486-5A	AC4486-5A	868MHz transceiver, TTL serial RS232, 0–250mW, integral antenna	**60.35**	**57.00**
250mW Variable Modules				
814-AC4868-250M	AC4868-250M	868MHz transceiver, TTL serial RS232, 0–250mW, MMCX antenna	**78.65**	**75.00**

868 MHZ WIRELESS TRANSCEIVER MODULE DEVELOPMENT KITS, ANTENNAS, AND ACCESSORIES

AeroComm provides a complete development environment to help you integrate and test RF communication in a matter of minutes.

Development Kits Include:
- 2 Transceivers
- 2 Adapter Boards
- Software Utilities
- 2 AC Power Adapters
- 2 DB9 serial cables
- 2 USB cables
- 2 Dipole Antennas
- Documentation

System Requirements:
- Win® 95, 98, ME, NT, XP, or 2K
- Two PCs each with one serial port, or one PC with two serial ports



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
868 MHz Development Kits			
814-SDK-AC4868-250M	SDK-AC4868-250M	AC4868-250M Development Kit	**199.95**
868 MHz Antennas			
814-0600-00020	0600-00020	1/2 Wave Antenna, 7", 2dBi, RA, MMCX plug	**16.00**
814-1300-00023	1300-00023	5" RG178 Coax Cable, RA MMCX plug to RPSMA bulkhead	**14.00**
868 MHz Accessories			
814-0700-00012	0700-00012	Samtec 20-pin mating connector	**4.00**
814-0650-00005	0650-00005	Power Supply, 7.5 VDC, 1.5 A, Sw. Reg., 100-240 VAC Input	**20.00**

AEROCOMM Wireless Modules

AEROCOMM

900MHZ / 2.4 GHZ CONNEX LINK™

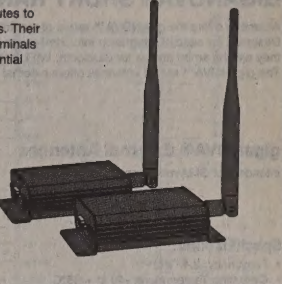
Parameter	CL4490-1000	CL4790-1000	CL4424-100
Network Architecture	Server/Client	True Peer-to-Peer	Server/Client
Standard Interface	RS232 (DB9 male)	RS232 (DB9 male)	RS232 (DB9 male)
Frequency Band	902-928 MHz	902-928 MHz	2.402-2.478 GHz
Modulation	FHSS FSK	FHSS FSK	FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	76.8 Kbps Fixed	Up to 288 Kbps
Output Power	1000mW variable	1000mW variable	100mW fixed
Input Voltage	7VDC to 18VDC	7VDC to 18VDC	7VDC to 18VDC
Power Draw (@ 12Vdc)	400mATX, 40mARX	400mATX, 40mARX	125mATX, 80mARX
Channels	Up to 32	Up to 32	64 in U.S., 32 in Europe
Security	1-byte system ID, DES	1-byte system ID, DES	1-byte system ID
Sensitivity	-99 dB @ full RF data rate	-100 dB @ full RF data rate	-90 dB @ full RF data rate
Range (line-of-sight)	Up to 20 miles (32 km)	Up to 20 miles (32 km)	Up to 2 miles (3.2 km)
Temperature	-40°to +80°C	-40°to +80°C	-40°to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%	10% to 90%
Dimensions	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 inches (121 x 70 x 30 mm)
Antenna connector	Dipole RPSMA jack	Dipole RPSMA jack	Dipole RPSMA jack

ConnexLink stand-alone transceivers can be set up in minutes to virtually cut the cables between RS232 or RS485✻ devices. Their flexibility and price allow users to quickly upgrade wired terminals to cordless operation in industrial, commercial, even residential applications.

✻ RS485 versions available upon request.

ConnexLink Highlights:

- Durable industrial-grade enclosure
- Transmits around corners, through walls
- Reliable communication up to 288 Kbps
- Point-to-point & point-to-multipoint setups
- Quickly replace serial cable in both old and new equipment
- Move links from machine to machine without costly rewiring
- CL4790-1000 can be used for True Peer to Peer Protocol



For quantities greater than listed, call for quote.

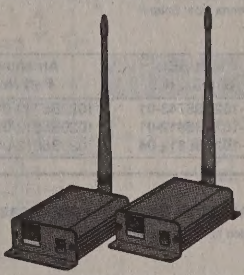
MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
900 MHz Models - 1000mW- Server/Client Protocol			
814-CL4490-232-C	CL4490-1000-232	Client Only Unit Kit includes Transceiver (Client Config.), RS-232 cable, Antenna, Power Supply and Software (Requires a Server Unit)	**110.00**
814-CL4490-232-SP	CL4490-1000-232-SP	Starter Pack includes both a Server and Client Unit, RS-232 cables, Antennas, Power Supplies and Software	**225.00**
900 MHz Models - 1000mW- Peer-to-Peer Protocol			
814-CL4790-232	CL4790-1000-232	Single Unit Kit (Peer to Peer Protocol) includes Transceiver, RS-232 cable, Antenna, Power Supply and Software	**110.00**
814-CL4790-232-SP	CL4790-1000-232-SP	Starter Pack (Peer to Peer Protocol) includes Two Transceiver Units, RS-232 cables, Antennas, Power Supplies and Software	**225.00**
2.4 GHz Models - 100mW- Server/Client Protocol			
814-CL4424-232-C	CL4424-100-232	Client Only Unit Kit includes Transceiver (Client Config.), RS-232 cable, Antenna, Power Supply and Software (Requires a Server Unit)	**184.00**
814-CL4424-232-SP	CL4424-100-232-SP	Starter Pack includes both a Server and Client Unit, RS-232 cables, Antennas, Power Supplies and Software	**368.00**
Connex Link™ Accessories			
814-2200-00076	2200-00076	CL4424-100-232 PC Board only RS-232 with DB-9 (No Package)	**140.00**
814-2200-00122	2200-00122	CL4490-1000-232 PC Board only RS-232 with DB-9 (No Package)	**100.00**
814-1300-00032	1300-00032	Null-Modem Cable (replaces standard cable if connecting Aerocomm units to DCE devices)	**14.00**
814-0600-00031	0600-00031	5dBi antenna with 6" flying lead, 900MHz, Nearson S151	**30.00**

900MHZ FHSS CONNEXNET™

Parameter	CN4790-1000	CN4490-1000
Architecture	Peer-to-Peer	Server/Client
Network Interface Standard	IEEE 802.3	IEEE 802.3
Physical Layer	10/100BaseT	10/100BaseT
Mode	Half-duplex and full-duplex	Half-duplex and full-duplex
Interface Connector	RJ-45	RJ-45
Frequency Band	902-928 MHz	902-928 MHz
Modulation	FHSS FSK	FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power	1000mW variable	1000mW variable
Input Power	7VDC to 18VDC	7VDC to 18VDC
Power Draw (@ 12Vdc)	400mA TX, 40mA RX	400mA TX, 40mA RX
Power Supply	AC transformer	AC transformer
Channels	Up to 32	Up to 32
Security	1-byte system ID, DES	1-byte system ID, DES
Sensitivity	-99 dB @ full RF data rate	-99 dB @ full RF data rate
Range (line-of-sight)	Up to 20 miles (32 km)	Up to 20 miles (32 km)
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	4.75 x 2.75 x 1.17 in. (121 x 70 x 30 mm)	4.75 x 2.75 x 1.17 in. (121 x 70 x 30 mm)
Weight	< 6 oz (< 170 g)	< 6 oz (< 170 g)
Antenna Connector	Dipole RPSMA jack	Dipole RPSMA jack

ConnexNet provides a complete hardware and software solution for adding wireless network connectivity to serial-based applications. The transceiver serves as a conduit between the user and multiple destination devices via a local network or Internet connection. It integrates a fully developed TCP/IP network stack and OS using a variety of network protocols to make distant networking both easy and reliable.

Each unit is small and easily portable for use in mobile and temporary settings as well as for fixed installations. ConnexNet software enables custom configurations based on unique application requirements, and simplifies installation and setup. The network settings can be configured remotely over a network (password protected).



ConnexNet Highlights:

- Wireless LAN service supporting Ethernet interface
- Comprehensive networking protocols
- Equipped with a CPU, real-time OS , TCP/IP stack
- Provides control from virtually anywhere via the Internet
- Wireless serial (RS232) to Ethernet bridge

Ethernet Protocols

Function	Protocols
Network Communication	ARP, UDP, TCP, ICMP, TelNet, TFTP AutoIP, DHCP, HTTP, SNMP
Connections to Serial Port	TCP, UDP, PPP, TelNet
Firmware Update	TFTP
Addressing, Routing, Data Block	IP

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
Server/Client Protocol			
814-CN4490-1000	CN4490-1000	ConnexNet Ethernet Transceiver for (server/client protocol) - includes Antenna and Power Supply ✻	**249.00**
814-CN4490-232-SP	CN4490-1000-232-SP	Starter Pack - includes one ConnexNet and one ConnexLink RS232 serial unit CN4490-1000-232-SP	**382.00**
Peer-to-Peer Protocol			
814-CN4790-1000	CN4790-1000	Ethernet Transceiver for (peer- to-peer protocol) - includes Antenna and Power Supply✻	**252.00**
814-CN4790-232-SP	CN4790-1000-232-SP	Starter Pack - includes one ConnexNet and one ConnexLink RS232 serial unit CN4490-1000-232-SP	**325.00**

✻ Requires a ConnexLink RS232 to make a link.

900MHZ ACE INDUSTRIAL WIRELESS DATA MODEMS

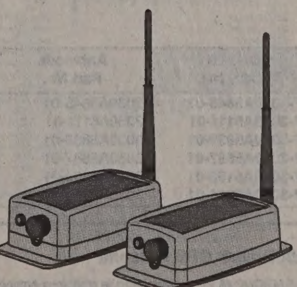
Parameter	ACE6490 Model	ACE6790 Model
Network Architecture	Server/Client	Peer-to-Peer
Standard Interface	RS232	RS232
Frequency, Modulation	902-928 MHz FHSS FSK	902-928 MHz FHSS FSK
Serial Interface Data Rate	Up to 115.2 Kbps	Up to 115.2 Kbps
Output Power	1000mW variable	1000mW variable
Input Power	7Vdc to 26Vdc	7Vdc to 26Vdc
Power Consumption	400mATX, 40mARX	400mATX, 40mARX
Connection	16-pin connector	16-pin connector
Channels	Up to 32	Up to 32
Security	1-byte system ID, DES	1-byte system ID, DES
Sensitivity	-99 dB @ full RF data rate	-99 dB @ full RF data rate
Range (line of sight)	Up to 20 miles (32 km) w/ high-gain antenna	Up to 20 miles (32 km) w/ high-gain antenna
Temperature	-40° to +80°C	-40° to +80°C
Humidity (non-condensing)	10% to 90%	10% to 90%
Dimensions	6.87 x 3.57 x 2.05 inches (175 x 91 x 52 mm)	6.87 x 3.57 x 2.05 inches (175 x 91 x 52 mm)
Antenna connector	Dipole RPSMA jack	Dipole RPSMA jack

AeroComm's ACE RF data modems combine high performance and reliability with heavy-duty packaging designed to withstand harsh environmental conditions-splashing water, corrosive agents, dirt, ice and snow ACEs suit rugged industrial applications where outdoor communications and NEMA-4x ratings are essential. ACEs provide high output power to deliver line-of sight ranges up to 20 miles with high-gain antennas.

ACE modems are completely compatible with AeroComm's AC4490 transceivers and CL4490 commercial modems. This allows OEMs to construct systems which utilize ruggedized devices only where necessary, saving system costs.

ACE Product Highlights:

- NEMA-4x rated packaging
- One full watt of RF output power
- Industrial temp range -40° to +80°C
- Standard interface, RS232



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	AeroComm Part No.	Description	Price Each
Server/Client Protocol			
814-ACE6490-232	ACE6490-1000-232	ACE 6490 Kit - includes 1 Transceiver, Cable, Antenna, Power Supply and Software	**449.00**
814-ACE6490-232-SP	ACE6490-1000-232-SP	ACE 6490 Starter Pack - includes 2 Transceivers, Cables, Antennas, Power Supplies and Software	**899.00**
Peer-to-Peer Protocol			
814-ACE6790-232	ACE6790-1000-232	ACE6790 Kit - includes 1 Transceiver, Cable, Antenna, Power Supply and Software	**449.00**
814-ACE6790-232-SP	ACE6790-1000-232-SP	ACE 6790 Starter Pack - includes 2 Transceivers, Cables, Anennas, Power Supplies and Software	**899.00**

ANTENOVA Short Range Wireless Antennas

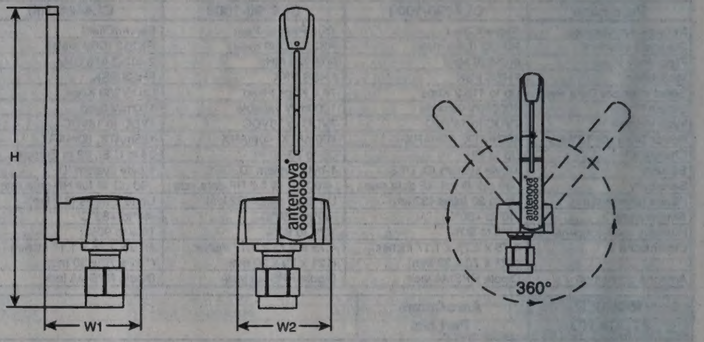
antenova®

GIGANOVA® SHORT RANGE WIRELESS ANTENNAS

Antenova offers the gigaNOVA™ range of market leading antenna solutions for the 2.4 and 5 GHz bands. Designed for ease of integration into short-range wireless devices, they are the smart choice for Bluetooth, WiFi, Wibree and Zigbee applications. The gigaNOVA™ line of antennas offers external swivel antennas and internal SMD and snap-in antennas.

gigaNOVA® External Antennas

Intended for SMA mounting



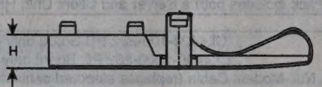
Specifications:
- Frequency: 2.4 GHz
- Operating Temperature: -40 to + 85°C
- Impedence: 50 Ohm
- Antenna type: Swivel

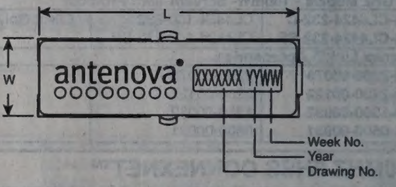
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Weight (gram)	Dimensions W1 x W2 x H	Description	Price Each			
					1	10	25	50
237-2010B4844-01	2010B4844-01	7.4g	20 x 19.5 x 62.5 mm	Titanis 2.4 GHz Swivel SMA Antenna	33.00	30.00	27.50	24.30

gigaNOVA® Internal Antennas

Intended for Snap-In and SMD mounting





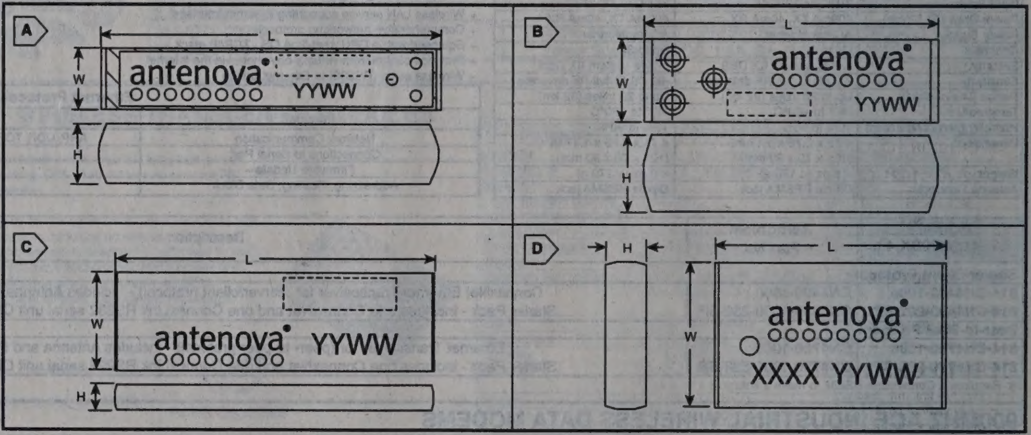
Specifications:
- Frequency: 2.4 GHz or 868/915 MHz
- Operating Temperature: -40 to + 85°C
- Impedence: 50 Ohm
- Antenna type: Snap-in

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Weight (gram)	Dimensions L x W x H	Description	Price Each			
					1	10	25	50
237-1020B5743-01	1020B5743-01	0.6g	27.3 x 7.9 x 3.45mm	Flavus 2.4 GHz Snap-In Antenna for 0.8mm PCB	6.20	5.95	5.60	5.30
237-1020B5812-01	1020B5812-01	0.6g	27.3 x 7.9 x 3.45mm	Flavus868/915 Snap-In Antenna for 0.8 mm PCB	6.00	5.75	5.45	5.15
237-1020B5812-04	1020B5812-04	0.6g	27.3 x 7.9 x 3.45mm	Flavus868/915 Snap-In Antenna for 1.6 mm PCB	6.00	5.75	5.45	5.15

gigaNOVA® SMD Chip Antennas

Intended for SMD mounting



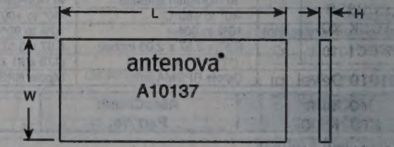
Specifications:
- Frequency: 2.4 GHz
- Operating Temperature: -40 to + 85°C
- Impedence: 50 Ohm
- Antenna type: SMD

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Fig.	Weight (gram)	Dimensions L x W x H	Description	Price Each		
						1	10	25
237-3030A5645-01	3030A5645-01	A	0.4g	20.5 x 3.6 x 3.3 mm	Mica 2.4 GHz SMD Chip Antenna	4.20	3.90	3.60
237-3030A6111-01	3030A6111-01	B	0.4g	12.8 x 3.6 x 3.3 mm	Comata 2.4 GHz SMD Chip Antenna	3.80	3.60	3.40
237-3030A5839-01	3030A5839-01	C	0.1g	12.8 x 3.9 x 1.1 mm	Rufa 2.4 GHz SMD Chip Antenna Left Feed	3.80	3.60	3.40
237-3030A5887-01	3030A5887-01	C	0.1g	12.8 x 3.9 x 1.1 mm	Rufa 2.4 GHz SMD Chip Antenna Right Feed	3.80	3.60	3.40
237-3030A6150-01	3030A6150-01	D	--	6.3 x 3.9 x 1.1 mm	Impexa 2.4 GHz SMD Chip Antenna Left Feed	3.80	3.60	3.40
237-3030A6250-01	3030A6250-01	D	--	6.3 x 3.9 x 1.1 mm	Impexa 2.4 GHz SMD Chip Antenna Right Feed	3.80	3.60	3.40

RadioNova® GPS Antenna

GPS RADIONOVA RF Antenna Module combines Antenova's single ended internally balanced antenna technology with RF front-end architectures. It is designed to be an active GPS handset antenna to operate simultaneously with GSM/WCDMA antennas.



Specifications:
- Frequency: 1.575 GHz
- Operating Temperature: -40 to + 85°C
- Impedence: 50 Ohm
- Antenna type: SMD

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Weight (gram)	Dimensions L x W x H	Description	Price Each		
					1	10	25
237-AN-1-0361-2	AN-1-0361-2	<1g	20.1 x 9 x 1.6 mm	GPS 1.575 GHz Surface Mount Chip Antenna	7.00	6.75	6.40

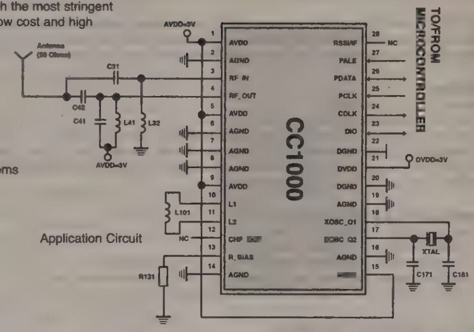
CHIPCON Single-Chip RF Transceivers

CC1000/CC1050 ULTRA-LOW POWER UHF TRANSCEIVER/TRANSMITTER CHIPS

The CC1000 is a true ultra-low-power single-chip RF transceiver for the 315, 433, 868, 915 MHz bands. It has been specifically designed to comply with the most stringent demands of the low power radio market. Based on a pure CMOS technology, this is the first product in the market that offers a unique combination of low cost and high integration, performance and flexibility, thus setting a new standard for short-range, wireless communication.

Features:
- Single-chip RF transceiver
- Programmable frequency: 300-1000MHz
- Very low current consumption: Rx: 7.4mA
- Very few external components required
- FSK modulation spectrum shaping (optional)
- Low supply voltage: 2.1-3.6V
- High receiver sensitivity: -110dBm
- RSSI output
- FSK data rate up to 76.8kBaud
- Programmable output power: -20 to 10dBm
- Crystal temperature drift compensation possible without use of external TCXO
- Programmable frequency in 250Hz steps
- Suitable for frequency hopping protocols
- No external RF switch /IF filter required
- Integrated bit synchronizer
- Single-port antenna connection
- Small 28-pin TSSOP package
- Complies with EN 300220 and FCC CFR 47, part 15

Applications:
- Home automation
- Remote keyless entry
- Automatic meter reading
- Wireless alarm and security systems
- Toys and PDAs
- Audio/voice
- 315/433/868/915 MHz SRD band systems



Application Circuit

CC1000/CC1050 Chips

For quantities of 100 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC1000R	CC1000-RTB1	28P TSSOP Transceiver (packaged in tubes)	7.45	6.21
839-CC1050R	CC1050-RTB1	24P TSSOP Transmitter (packaged in tubes)	3.65	2.97

RoHS Compliant

CC1100/CC1050 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Frequency (MHz)	Description	Price Each
839-1000DK-433	CC1000DK-433MHz	433	Full Development Kit - two programmable radio modules, antennas, PC cables, connectors, documentation, 2 pieces of CC1000PP Plug & Play module	469.75
839-1000DK-868	CC1000DK-868/915MHz	868/915	Full Development Kit - two programmable radio modules, antennas, PC cables, connectors, documentation, 2 pieces of CC1000PP Plug & Play module	501.06
839-1000PPK-433	CC1000PPK-433MHz	433	Plug & Play Modules - 2 pieces of CC1000PP	129.00
839-1000PPK-868	CC1000PPK-868/915MHz	868/915	Plug & Play Modules - 2 pieces of CC1000PP	120.00

CC1020/CC1021/CC1070 NARROWBAND UHF RF TRANSCEIVER/TRANSMITTER CHIPS

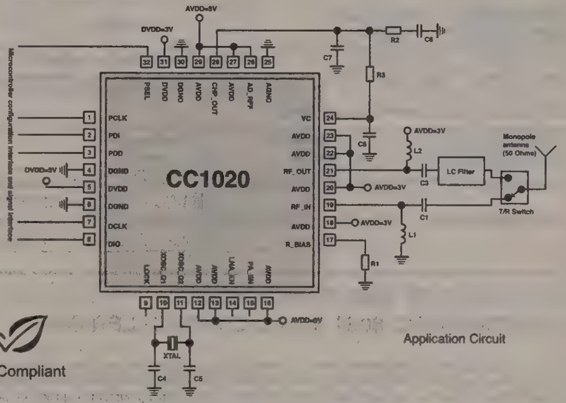
CC1020 Transceiver:
The industry's first single-chip FSK/ASK CMOS RF transceiver for narrowband applications in the 402-470 & 804-940 MHz range.

CC1021 Transceiver:
A multichannel FSK/ASK CMOS RF transceiver for narrowband applications, with channel spacings of 50kHz or higher, in the 402-470 & 804-940 MHz range.

CC1020/CC1021 Key Features:
- Frequency range: 402-470 MHz & 804-940 MHz
- Low current consumption: RX: 17.3mA
- Low supply voltage: 2.3-3.6V
- Very few external components required
- Small size: QFN 32 package
- Single port antenna connection
- Data rate up to 153.6kBaud
- ASK, FSK, and GSFK data modulation
- Complies with EN 300 220, FCC CFR47 part 15, and ARIB STD T-67

CC1070 Transmitter Only:
A true single-chip, low-power, low-cost CMOS FSK/GFSK/ASK/00K RF Transmitter for narrowband and multi-channel applications.

CC1070 Key Features:
- Frequency ranges: 402-470MHz & 804-940MHz
- Low supply voltage: 2.1-3.6V
- Very low current consumption
- Requires very few external components
- Data rate up to 153.6 kbps FSK/GFSK/ASK/OOK modulation formats
- Fully on-chip VCO
- Programmable frequency in steps less than 300Hz makes crystal temperature drift compensation possible without TCXO
- Single port antenna connection
- Complies with EN 300 220, FCC CFR 47 part 15, and ARIB STD-T67



Application Circuit

CC1020/CC1021/CC1070 Chips

For quantities of 100 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC1020R	CC1020-RTB1	32P QFN Transceiver (packaged in tubes)	7.59	6.90
839-CC1021R	CC1021-RTB1	32P QFN Transceiver (packaged in tubes)	6.29	5.48
839-CC1070R	CC1070-RTY1	20P QFN Transmitter Only (packaged in trays)	3.65	3.48

RoHS Compliant

CC1020/CC1021/CC1070 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Frequency (MHz)	Description	Price Each
839-1020/70DK-433	CC1020/CC1070DK-433MHz	433	Full Development Kit - two CC1020 evaluation boards, two CC1020 evaluation modules, one CC1070 evaluation module, antennas	523.13
839-1020/70DK-868	CC1020/CC1070DK-868/915MHz	868/915	Full Development Kit - two CC1020 evaluation boards, two CC1020 evaluation modules, one CC1070 evaluation module, antennas	523.13
839-1020EMXK-433	CC1020EMXK-433MHz	433	Evaluation Module	140.00
839-1020EMXK-868	CC1020EMXK-868MHz	868/915	Evaluation Module	136.31

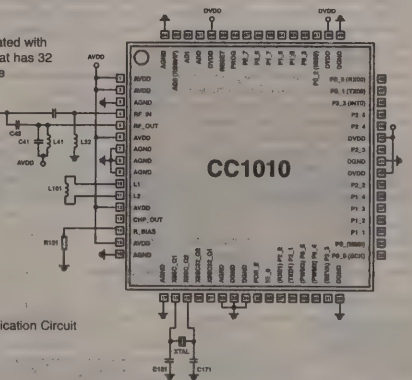
CC1010 UHF RF TRANSCEIVER WITH ONBOARD 8051 MICROCONTROLLER CHIP

The industry's first truly complete RF System-on-Chip solution! On a single die, the award winning 300-1000MHz CMOS CC1000 RF Transceiver has been integrated with an industry standard 8051 microcontroller core. The CC1010 integrates a very low-power 300-1000MHz RF Transceiver and a 8051-Compatible Microcontroller that has 32 kB in-system programmable Flash, hardware DES encryption/decryption and a three channel 10-bit ADC. This means only a few external passive components are necessary to make a powerful embedded system with wireless communication capabilities, sensor interfacing possibilities, and a lot of processing power.

CC1010 Key Features:
- Programmable frequency range: 300-1000MHz
- High sensitivity: typically -107dBm @ 1.2. kbit/s
- Programmable output power: -20 to 10dBm
- Very low current consumption: RX: 9.1mA
- No external RF switch or IF filter required
- Fast PLL settling allows frequency hopping protocols
- FSK modulation with a data rate of up to 76.8kbit/s
- RSSI output which can be sampled by on-chip ADC
- Complies with EN 300 220 and FCC CFR47 part 15

8051-Compatible Microcontroller:
- High performance, 24MHz, low power
- Optimized 8051-core typically gives 2.5x the performance of a standard 8051
- Dual data pointers
- Idle and sleep modes
- In-circuit interactive debugging is supported for the Keil™ ïVision IDE through a simple serial interface

Data & Non-volatile program memory:
- 32kB of non-volatile Flash memory in-system programmable through a simple SPI interface or by the 8051 core
- Typical Flash endurance: 20,000 write/erase cycles
- Programmable read & write lock of portions of Flash memory for software security
- 2048 + 128 Byte of internal SRAM



Application Circuit

CC1010 Chips

For quantities of 100 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC1010R	CC1010-RTY1	64P TQFP Transceiver (packaged in tubes)	10.53	9.60

RoHS Compliant

CC1010 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Frequency (MHz)	Description	Price Each
839-1010DK-433	CC1010DK-433MHz	433	Full Development Kit - one CC1010EB evaluation board, two CC1010 evaluation modules, Keil uVision2 IDE (eval. version), cables, adapters and antennas	613.41
839-1010DK-868	CC1010DK-868/915MHz	868/915	Full Development Kit - one CC1010EB evaluation board, two CC1010 evaluation modules, Keil uVision2 IDE (eval. version), cables, adapters and antennas	575.00
839-1010EMK-433	CC1010EMK-433MHz	433	Evaluation Module Kit - two CC1010EM evaluation modules and two antennas	272.62
839-1010EMK-868	CC1010EMK-868/915MHz	868/915	Evaluation Module Kit - two CC1010EM evaluation modules and two antennas	280.00

CHIPCON Single-Chip RF Transceivers

Chipcon Products from Texas Instruments

CC1100/CC1150 LOW-COST UHF RF TRANSCEIVER/TRANSMITTER CHIPS

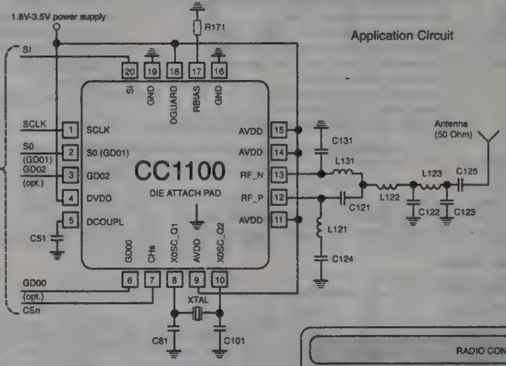
The CC1100 multi-channel RF transceiver is the world's lowest total system cost radio intended for use in the 315, 433, 868, and 915 MHz frequency bands. With its very low power consumption and excellent radio performance, the CC1100 is a perfect solution for applications in for instance home and building automation, wireless alarm and security systems, and consumer electronics, to mention a few. The CC1100 transceiver is based on Chipcon's latest product platform, the SmartRF®04 Technology, which is built upon an advanced 0.18μm CMOS technology facilitating superior RF performance in combination with high-density and low-power integration of digital modules.

Features:
- Market's lowest system cost.
- Very few external components required.
- Very small footprint. The CC1100 comes in a 4x4mm, 20-pin QLP package.
- Reference design with two-layer PCB and all components mounted on the same side.
- CC1100's many powerful digital features make it easy to build a high-performance RF system using an inexpensive microcontroller.

Excellent Radio Performance:
- High sensitivity: -110dBm @ 1.2kbps
- Programmable data rate from 1.2-500kbps.
- Robust solution with excellent selectivity and blocking performance.
- Programmable output power up to +10dBm for all supported frequency bands.
- Ideal for multichannel operation: 50-500kHz channels

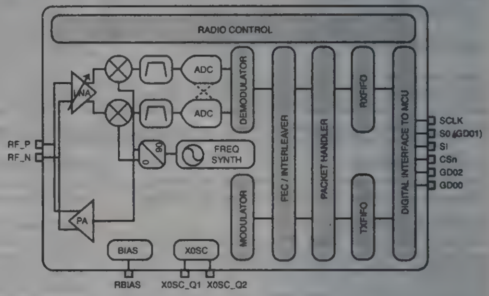
Very low power consumption:
- RX: 15.6mA, TX: 28.8mA @ +10dBm output power, Powerdown: 400mA.
- Burst mode data transmission with high over-the-air data rate reduces current consumption.
- Automatic RX polling using Wake-on-Radio: 1.8μA.

Applications:
- Home and building automation
- Automatic meter reading (AMR)
- Wireless alarm and security systems
- Industrial monitoring and control
- Wireless sensor networks
- Consumer electronics
- Ultra low-power wireless applications.
- Operating in the 315, 433, 868, 915 MHz ISM/SRD bands


1.8V-3.5V power supply
R171
SI
SCLK
S0 (GD01)
GD02 (opt.)
Digital Interface
CC1100
DIE ATTACH PAD
SI
GND
DGUARD
RBIAS
GND
DVDD
DCOUPL
GD00
CHs
XOSC_Q1
AVDD
XOSC_Q2
AVDD
RF_N
RF_P
C51
GD00 (opt.)
CSn
XTAL
C81
C101
C131
L131
C121
L122
L123
C125
C122
C123
L121
C124
Antenna (50 Ohm)

Application Circuit

Block Diagram


RADIO CONTROL
LNA
ADC
ADC
0
90
FREQ SYNTH
PA
BIAS
XOSC
DEMODULATOR
MODULATOR
FEC / INTERLEAVER
PACKET HANDLER
RXFIFO
TXFIFO
DIGITAL INTERFACE TO MCU
RF_P
RF_N
RBIAS
XOSC_Q1
XOSC_Q2
SCLK
S0 (GD01)
SI
CSn
GD02
GD00

RoHS Compliant

CC1100/CC1150 Chips

For quantities of 100 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC1100	CC1100-RTY1	20 Pin QLP Transceiver (packaged in tray)	**3.96**	**3.33**
839-CC1150	CC1150-RTY1	16 Pin QLP Transmitter Only (packaged in tray)	**2.39**	**1.98**

CC1100/CC1150 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Frequency (MHz)	Description	Price Each
839-1100/50DK-433	CC1100_CC1150DK-433MHz	433	Full Development Kit - two SmartRF®04 evaluation boards, two CC1100EM evaluation modules, one CC1150EM evaluation module, antennas and cables	**556.61**
839-1100/50DK-868	CC1100_CC1150DK-868MHz	868/915	Full Development Kit - two SmartRF®04 evaluation boards, two CC1100EM evaluation modules, one CC1150EM evaluation module, antennas and cables	**523.14**

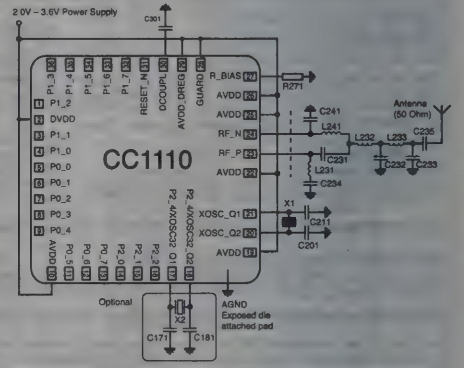
CC1110 UHF RF SOC TRANSCEIVER WITH ONBOARD 8051 MICROCONTROLLER CHIP

The CC1110 is a powerful 315/433/868/915 MHz System-on-Chip designed for low-power and low-voltage wireless communication applications. With a multi-channel 315/433/868/915 MHz radio transceiver, a single-cycle 8051 microcontroller and 32 kB Flash memory, this unique all-in-one device makes it easier than ever to finish your design while offering numerous application possibilities.

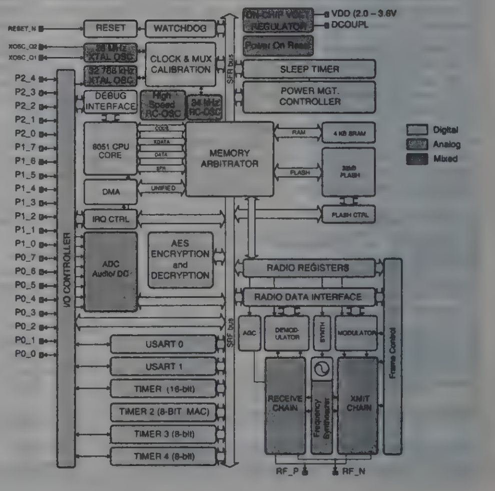
Features:
- High-performance and low-power RF transceiver core – the industry leading CC1100
- High performance and low power 8051microcontroller core, typically with 8 times the performance per MHz of a standard 8051
- 32 kB in-system programmable flash
- 4 kB SRAM (with data retention in all power modes)
- Four flexible power modes for reduced power consumption
- System clock source can be 16 MHz on-chip RC oscillator or 26 MHz crystal oscillator. The 26 MHz oscillator is used when radio is active
- Real time clock with low-power 32.768 kHz crystal oscillator or internal low-power 34 kHz RC-oscillator
- Very fast transition times from sleep modes to active enables ultra low average power consumption in low duty-cycle systems
- In deep sleep modes the system can wake up on external interrupts or real time counter events
- Excellent receiver selectivity and blocking performance and high sensitivity
- Programmable data rate up to 500 kbps
- 2-FSK, GFSK and MSK supported
- Low current consumption (Total: RX: 22 mA, TX: 23 mA, w/ microcontroller running at 26 MHz)
- Ideal for frequency hopping systems and multichannel operation
- Very few external components: Complete on-chip frequency synthesizer, no external filters or RF switch needed
- 8-14 bits ADC with up to eight inputs
- Wide supply voltage range (2.0V – 3.6V)
- Programmable Watchdog timer
- Power On Reset
- On-chip temperature sensor
- 16-bit timer + three 8-bit timers
- True random number generator
- Hardware debug support
- 21 general I/O pins, two with 20 mA sink/source capacity
- In-circuit interactive debugging

Applications:
- AMR
- Active RF-ID systems
- Alarm & security systems
- Home automation
- Telemetry
- Wireless payment systems

Application Circuit


2.0V – 3.6V Power Supply
C301
CC1110
P1_3
P1_4
P1_5
P1_6
P1_7
RESET_N
DCOUPL
AVDD_DREG
GUARD
R_BIAS
R271
P1_2
DVDD
P1_1
P1_0
P0_0
P0_1
P0_2
P0_3
P0_4
AVDD
P0_5
P0_6
P0_7
P2_0
P2_1
P2_2
P2_3/XOSC32_Q1
P2_4/XOSC32_Q2
AVDD
RF_N
RF_P
XOSC_Q1
XOSC_Q2
C241
L241
L232
L233
C235
C231
C232
C233
L231
C234
X1
C211
C201
Antenna (50 Ohm)
Optional
X2
C171
C181
AGND Exposed die attached pad

Block Diagram


RESET_N
XOSC_Q2
XOSC_Q1
P2_4
P2_3
P2_2
P2_1
P2_0
P1_7
P1_6
P1_5
P1_4
P1_3
P1_2
P1_1
P1_0
P0_7
P0_6
P0_5
P0_4
P0_3
P0_2
P0_1
P0_0
RESET
WATCHDOG
26 MHz XTAL OSC
32.768 kHz XTAL OSC
CLOCK & MUX CALIBRATION
DEBUG INTERFACE
High Speed RC-OSC
34 MHz RC-OSC
ON-CHIP VOLT. REGULATOR
Power On Reset
VDD (2.0 – 3.6V)
DCOUPL
SLEEP TIMER
POWER MGT. CONTROLLER
8051 CPU CORE
DMA
IRQ CTRL
MEMORY ARBITRATOR
4 kB SRAM
32kB FLASH
FLASH CTRL
I/O CONTROLLER
ADC Audio/DC
AES ENCRYPTION and DECRYPTION
RADIO REGISTERS
RADIO DATA INTERFACE
ADC
DEMODULATOR
SYNTH
MODULATOR
RECEIVE CHAIN
Frequency Synthesizer
XMIT CHAIN
Frame Control
USART 0
USART 1
TIMER 1 (16-bit)
TIMER 2 (8-BIT MAC)
TIMER 3 (8-bit)
TIMER 4 (8-bit)
SFR bus
RF_P
RF_N
Digital
Analog
Mixed

RoHS Compliant

CC1110 Chips

For quantities of 100 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC1110	CC1110-RTY1	36Pin QLP Transceiver (packaged in tray)	**6.49**	**5.96**

CC1110 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Freq. (MHz)	Description	Price Each
839-1110DK-433	CC1110DK-433	433	Full Development Kit - two SmartRF® 04 evaluation boards, two CC1110EM evaluation modules, antennas and cables	**710.00**
839-1110DK-868	CC1110DK-868/915	868/915	Full Development Kit - two SmartRF® 04 evaluation boards, two CC1110EM evaluation modules, antennas and cables	**693.00**

CC2510FX/CC2511FX 2.4 GHZ SOC TRANSCEIVER WITH 8051 MCU

The CC2510Fx/CC2511Fx is a low-cost true system-on-chip (SoC) device designed for low power and low-voltage wireless communication applications. The CC2510Fx/CC2511Fx combines the excellent performance of the state-of-the-art RF transceiver CC2500 with an industry-standard enhanced 8051 MCU, 8/16/32 kB of in-system programmable flash memory, 1/2/4 kB of RAM and many other powerful features. The CC2510Fx/CC2511Fx is available in six different versions: CC2510F8 and CC2511F8 with 8 kB of Flash and 1 kB of AM, the CC2510F16 and CC2511F16 with 16 kB of Flash and 2 kB of RAM, and CC2510F32 and CC2511F32 with 32 kB of Flash and 4 kB of RAM. The CC2510Fx/CC2511Fx is highly suited for systems where very low power consumption is required. This is ensured by several advanced low-power operating modes. The CC2511Fx adds a full-speed USB interface to the feature set of the CC2510Fx. Interfacing to a PC using the USB interface is quick and easy, and the high data rate (12 Mbps) of the USB interface avoids the bottlenecks of RS-232 or low-speed USB interfaces.

Key Features:

- High performance and low power 8051 microcontroller core.
- High-performance CC2500 RF transceiver based on the market-leading CC2500
- Frequency band: 2.4 GHz
- 8/16/32 kB in-system programmable flash
- 1/2/4 kB RAM + 1 kB USB FIFO (CC2511Fx)
- Full-Speed USB Controller (CC2511Fx)
- I2S interface
- 8-14 bits ADC with up to eight inputs
- 128-bit AES security coprocessor
- Powerful DMA functionality
- Two USARTs
- 16-bit timer with configurable mode
- Three 8-bit timers
- Hardware debug support
- 21 (CC2510Fx), 19 (CC2511Fx) GPIO pins
- Wide supply voltage range (2.0V – 3.6V)
- High sensitivity (–100 dBm at 10 kbps)
- Programmable data rate up to 500 kbps
- Low current consumption (RX: 22 mA, TX: 23 mA, with MCU running at 26 MHz)
- MCU current consumption 270iA/MHz
- Programmable output power up to 1 dBm for all supported frequencies
- Digital RSSI / LQI support
- Excellent receiver selectivity and blocking performance
- 0.3 A consumption in lowest power mode
- RoHS compliant 6x6mm QLP36 package

Applications:

- Wireless keyboard and mouse
- Wireless voice-quality audio
- CC2511Fx: USB dongles
- Remote controls
- Wireless sports and leisure equipment
- Point-of-sale systems
- Active RFID and asset tracking systems
- Home and building automation
- Low power telemetry
- 2.4 GHz ISM/SRD band systems

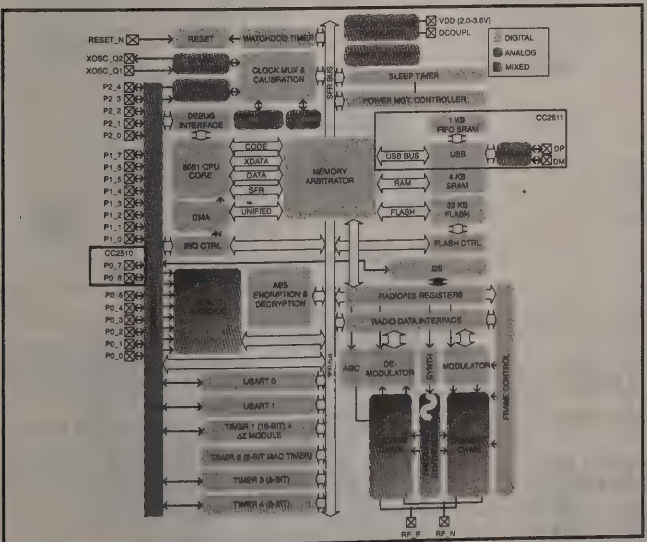
Specifications:

- CC2510Fx Operating Ambient Temperature, TA: -40 Min to 85 Max °C
- CC2510Fx Operating Supply Voltage : 2.0 Min to 3.6 Max V
- CC2511Fx Operating Ambient Temperature, TA: 0 Min to 80 Max °C
- CC2511Fx Operating Supply Voltage : 3.0 Min to 3.6 Max V

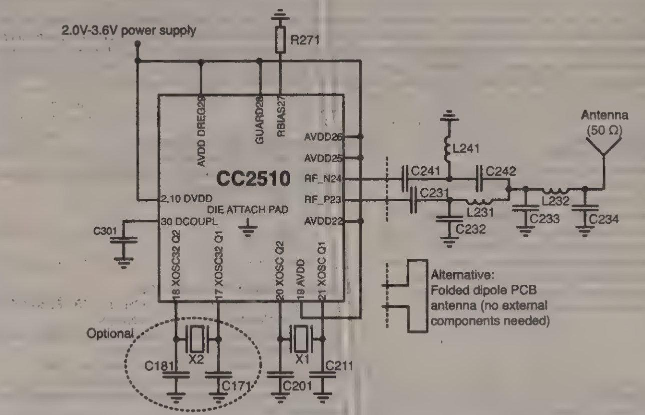
MOUSER STOCK NO.	Chipcon/TI Part No.	Flash kB	RAM kB	Price Each	
				1	25
SOC Transceiver					
839-CC2510F8RSP	CC2510F8RSP	8	1	**7.99**	**7.55**
839-CC2510F16RSP	CC2510F16RSP	16	2	**9.87**	**9.25**
839-CC2510F32RSP	CC2510F32RSP	32	4	**10.61**	**10.09**
SOC Transceiver with on-board USB Interface					
839-CC2511F8RSP	CC2511F8RSP	8	1	**8.75**	**8.49**
839-CC2511F16RSP	CC2511F16RSP	16	2	**10.05**	**9.81**
839-CC2511F32RSP	CC2511F32RSP	32	4	**11.21**	**9.81**

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each
839-CC2510-CC2511DK	CC2510-CC2511DK	Development Kit	**710.00**

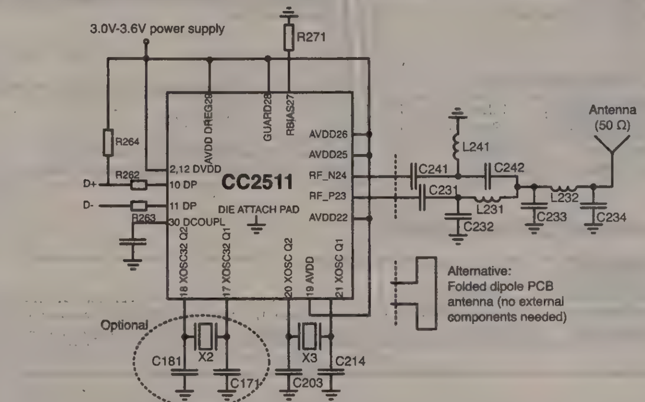
CC2510Fx/CC2511Fx Block Diagram


RESET_N
RESET
WATCHDOG TIMER
XOSC_Q2
XOSC_Q1
VDD (2.0-3.6V)
DCOUPL
DIGITAL
ANALOG
MIXED
CLOCK MUX & CALIBRATION
SLEEP TIMER
SFR BUS
POWER MGT. CONTROLLER
P2_4
P2_3
P2_2
P2_1
P2_0
DEBUG INTERFACE
CC2511
1 KB FIFO SRAM
USB BUS
USB
DP
DM
P1_7
P1_6
P1_5
P1_4
P1_3
P1_2
P1_1
P1_0
8051 CPU CORE
CODE
XDATA
DATA
SFR
UNIFIED
MEMORY ARBITRATOR
RAM
4 KB SRAM
FLASH
32 KB FLASH
DMA
IRQ CTRL
FLASH CTRL
CC2510
P0_7
P0_6
P0_5
P0_4
P0_3
P0_2
P0_1
P0_0
I2S
AES ENCRYPTION & DECRYPTION
RADIO REGISTERS
RADIO DATA INTERFACE
AGC
DE-MODULATOR
SYNTH
MODULATOR
FRAME CONTROL
USART 0
USART 1
TIMER 1 (16-BIT) + ΔΣ MODULE
TIMER 2 (8-BIT MAC TIMER)
TIMER 3 (8-BIT)
TIMER 4 (8-BIT)
RF_P
RF_N

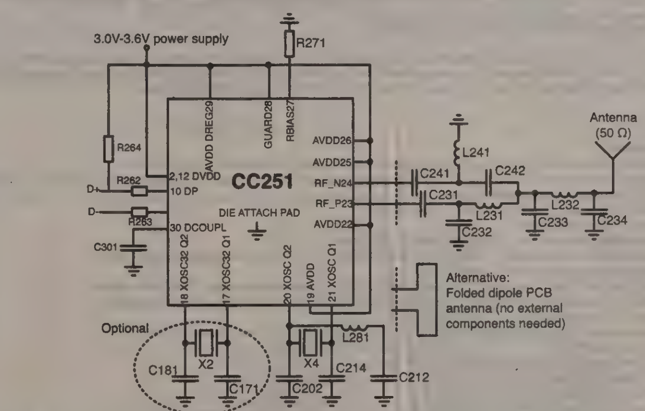
Application Circuit for CC2510Fx


2.0V-3.6V power supply
R271
AVDD DREG29
GUARD28
RBIAS27
AVDD26
AVDD25
RF_N24
RF_P23
AVDD22
CC2510
2,10 DVDD
30 DCOUPL
DIE ATTACH PAD
C301
18 XOSC32 Q2
17 XOSC32 Q1
20 XOSC Q2
19 AVDD
21 XOSC Q1
Antenna (50 Ω)
L241
C241
C242
C231
L231
L232
C232
C233
C234
Alternative: Folded dipole PCB antenna (no external components needed)
Optional
C181
X2
C171
X1
C201
C211

Application Circuit for CC2511Fx with USB and fundamental crystal


3.0V-3.6V power supply
R271
R264
R262
R263
D+
D-
AVDD DREG29
GUARD28
RBIAS27
AVDD26
AVDD25
RF_N24
RF_P23
AVDD22
CC2511
2,12 DVDD
10 DP
11 DP
30 DCOUPL
DIE ATTACH PAD
18 XOSC32 Q2
17 XOSC32 Q1
20 XOSC Q2
19 AVDD
21 XOSC Q1
Antenna (50 Ω)
L241
C241
C242
C231
L231
L232
C232
C233
C234
Alternative: Folded dipole PCB antenna (no external components needed)
Optional
C181
X2
C171
X3
C203
C214

Application Circuit for CC2511Fx with USB and 3rd overtone crystal


3.0V-3.6V power supply
R271
R264
R262
R263
D+
D-
C301
AVDD DREG29
GUARD28
RBIAS27
AVDD26
AVDD25
RF_N24
RF_P23
AVDD22
CC251
2,12 DVDD
10 DP
30 DCOUPL
DIE ATTACH PAD
18 XOSC32 Q2
17 XOSC32 Q1
20 XOSC Q2
19 AVDD
21 XOSC Q1
Antenna (50 Ω)
L241
C241
C242
C231
L231
L232
C232
C233
C234
Alternative: Folded dipole PCB antenna (no external components needed)
Optional
C181
X2
C171
X4
L281
C202
C214
C212

Overview of external components (excluding supply decoupling capacitors)

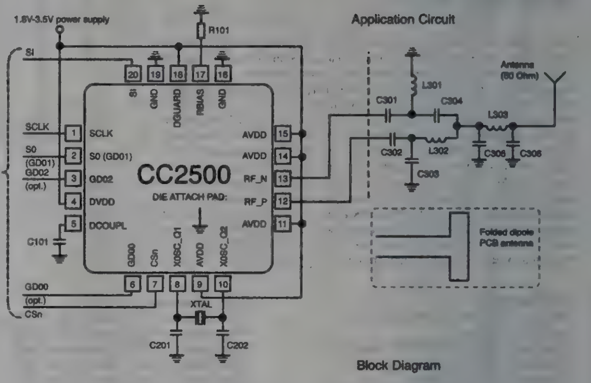
Component	Component
C301	Decoupling capacitor for on-chip voltage regulator to digital part
C203/C214	Crystal loading capacitors (fundamental crystal)
C202/C212/C213	Crystal loading capacitors (3rd overtone crystal)
C201/C211	Crystal loading capacitors, see section 14 on page 190 for details
C231/C241	RF balun DC blocking capacitors
C232/C241	RF balun/matching capacitors
C233/C234	RF LC filter/matching capacitors
C181/C171	Crystal loading capacitors if X2 is used.
L231/L241	RF balun/matching inductors (inexpensive multi-layer type)
L232	RF LC filter inductor (inexpensive multi-layer type)
L281	Crystal inductor
R271	56 kΩ resistor for internal bias current reference, 1% tolerance
R264	D+ Pullup resistor
R262/R263	D+ / D- series resistors for impedance matching
X1	26 MHz -27 MHz crystal, see section 14 on page 190 for details
X2	32.768 kHz crystal, optional
X3	48 MHz crystal (fundamental)
X4	48 MHz crystal (3rd overtone)

CHIPCON Single-Chip RF Transceivers

CC2500/CC2550 2.4 GHZ LOW COST RF TRANSCEIVER/TRANSMITTER CHIPS

The CC2500 is a highly integrated multichannel RF transceiver designed for low-power wireless applications in the 2.4GHz Industrial Scientific Medical (ISM) band. The CC2500 is part of Chipcon's SmartRF04 Technology platform based on an advanced 0.18μm CMOS technology facilitating superior RF performance in combination with high-density and low-power integration of digital modules. The CC2500 can be used in a wide range of applications, such as wireless game controllers, wireless keyboard/mouse, consumer electronics, wireless audio, and sports, and leisure equipment.

Application Circuit


1.8V-3.5V power supply
R101
SI
SCLK
S0 (GD01)
GD02 (opt.)
Digital Interface
C101
CC2500
DIE ATTACH PAD:
AVDD
RF_N
RF_P
GD00 (opt.)
CSn
XTAL
C201
C202
C301
C302
C303
C304
L301
L302
L303
C305
C306
Antenna (50 Ohm)
Folded dipole PCB antenna

Key Features:

- Market's lowest system cost.
- Very low unit price per chip.
- Very few external components required; all are low cost type.
- Reference design with two layer PCB with all components mounted on the same side.
- Very small footprint. The CC2500 comes in a 4x4mm, 20-pin QFP package.
- CC2500's many powerful digital features allow building a high-performance. RF system using an inexpensive microcontroller.

Very Low Power Consumption:

- RX: 15.6mA, TX: 21.6mA @ 0dBm output power
- Burst mode data transmission with high over-the-air data rate reduces current consumption.

Excellent Radio Performance:

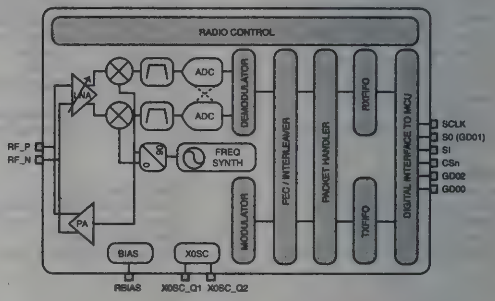
- High sensitivity (PER: -98dBm @ 10kbps, PER: -88dBm @ 250kbps)
- Programmable data rate from 1.2-500kbps.
- Robust solution with excellent selectivity and blocking performance.
- Programmable output power up to 0dBm.
- Ideal for multichannel operation (50-500kHz channels).
- Full packet handling including preamble generation, sync word insertion/detection, address check, flexible packet length, and automatic CRC.
- Programmable carrier sense indicator and digital RSSI output enables adaptive channel selection with increased robustness of the communication link.

Applications:

- Wireless game controllers
- Wireless keyboard/consumer electronics
- Wireless audio
- Sports and leisure equipment

RoHS Compliant

Block Diagram


RADIO CONTROL
LNA
ADC
ADC
DEMODULATOR
FEC / INTERLEAVER
PACKET HANDLER
RXFIFO
TXFIFO
MODULATOR
DIGITAL INTERFACE TO MCU
FREQ SYNTH
PA
BIAS
XOSC
RF_P
RF_N
SCLK
S0 (GD01)
SI
CSn
GD02
GD00
RBIAS
XOSC_Q1
XOSC_Q2

CC2500/CC2550 Chips

For quantities of 100 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC2500	CC2500-RTY1	2.4GHz Transceiver Chip (packaged in tray)	3.38	2.70
839-CC2550	CC2550-RTY1	2.4GHz Transmitter Only Chip (packaged in tray)	2.38	1.98

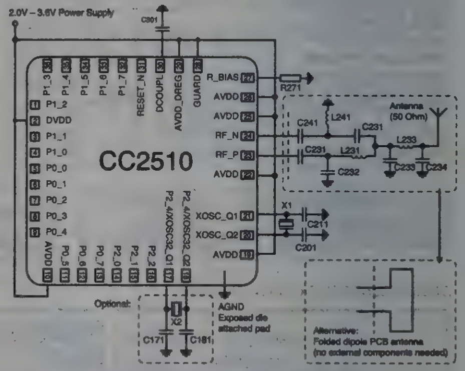
CC2500/2550 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each
839-2500/50DK	CC2500/CC2550DK	Full Development Kit - two SmartRF® 04 evaluation boards, two CC2500EM eval. modules, one CC2550EM eval. module, antennas, & cables	523.00
839-2500EMK	CC2500EMK	Evaluation Module Kit - two CC2500EM evaluation modules and two antennas	140.00

CC2510 2.4 GHZ RF SOC TRANSCEIVER WITH ONBOARD 8051 MICROCONTROLLER CHIP

The CC2510 is a powerful 2.4 GHz System-on-Chip designed for low-power and low-voltage wireless communication applications. With a 2.4 GHz radio transceiver, a single-cycle 8051 microcontroller and 32 kB Flash memory, this unique all-in-one device makes it easier than ever to finish your design while offering numerous application possibilities.

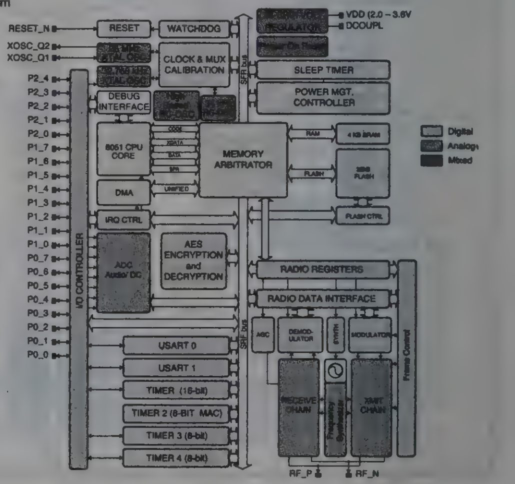
Application Circuit


2.0V – 3.6V Power Supply
C301
CC2510
R_BIAS
AVDD
RF_N
RF_P
XOSC_Q1
XOSC_Q2
R271
C241
L241
C231
L231
C232
L233
C233
C234
Antenna (50 Ohm)
X1
C211
C201
Optional:
X2
C171
C181
AGND
Exposed die attached pad
Alternative:
Folded dipole PCB antenna (no external components needed)

Features:

- High-performance and low-power RF transceiver core – same as the industry leading CC2500
- High performance and low power 8051 microcontroller core, typically with 8 times the performance per MHz of a standard 8051
- 32 kB in-system programmable flash
- 4 kB SRAM (with data retention in all power modes)
- Powerful DMA functionality
- Four flexible power modes for reduced power consumption
- System clock source can be 13 MHz on-chip RC oscillator or 26 MHz crystal oscillator. The 26 MHz oscillator is used when radio is active
- Real time clock with low-power 32.768 kHz crystal oscillator or internal low-power 34 kHz RC-oscillator
- Very fast transition times from sleep modes to active enables ultra low average power consumption in low duty-cycle systems
- In deep sleep modes the system can wake up on external interrupts or real time counter events
- High sensitivity
- Excellent receiver selectivity and blocking performance
- Programmable data rate up to 500 kbps
- 2-FSK, GFSK and MSK supported
- Low current consumption (Total: RX: 23 mA, TX: 24 mA, w/ microcontroller running at 26 MHz)
- Digital RSSI / LQI support
- Digital battery monitor
- Ideal for frequency hopping and multichannel operations
- Burst mode data transmission possible
- Very few external component
- 8-14 bits ADC with up to eight inputs
- Wide supply voltage range (2.0V – 3.6V)
- 21 general I/O pins, two with 20 mA sink/source capacity
- Dual data pointers
- In-circuit interactive debugging
- Two USART / SPI interfaces
- Programmable Watchdog timer
- Power On Reset
- On-chip temperature sensor
- 16-bit timer + three 8-bit timers
- True random number generator
- Hardware debug support
- Powerful and flexible development tools and reference designs available
- RoHS compliant 6x6 mm QLP36 package (36 Pin)

Block Diagram


RESET_N
XOSC_Q2
XOSC_Q1
RESET
WATCHDOG
CLOCK & MUX CALIBRATION
DEBUG INTERFACE
SLEEP TIMER
POWER MGT. CONTROLLER
VDD (2.0 – 3.6V
DCOUPL
8051 CPU CORE
DMA
IRQ CTRL
MEMORY ARBITRATOR
FLASH CTRL
AES ENCRYPTION and DECRYPTION
I/O CONTROLLER
RADIO REGISTERS
RADIO DATA INTERFACE
USART 0
USART 1
TIMER (16-bit)
TIMER 2 (8-BIT MAC)
TIMER 3 (8-bit)
TIMER 4 (8-bit)
Digital
Analog
Mixed
RF_P
RF_N

Applications:

- Wireless keyboard & mouse
- Consumer electronics
- Wireless audio
- Sports and leisure equipment
- Wireless gaming accessories
- Active RF-ID systems
- Remote controls

RoHS Compliant

For quantities of 100 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC2510	CC2510-RTY1	2.4 GHz Transceiver (packaged in tray)	6.49	5.96

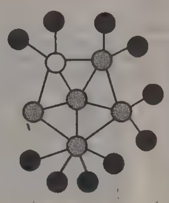
CHIPCON Single-Chip RF Transceivers

CC2420 2.4 GHZ RF TRANSCEIVER CHIP FOR IEEE 802.15.4 AND ZIGBEE™

The CC2420 is a low-cost transceiver designed specifically for low-power, low-voltage RF transceiver applications in the 2.4GHz unlicensed ISM band. It is the first commercially available RF compliant with the IEEE 802.15.4 standard and the first RF-IC that can be qualified for use in 2.4GHz ZigBee™ products. For the CC2420 RF transceiver, Chipcon provides IEEE/802.15.4 MAC software free of charge.

WHAT IS ZIGBEE?

The ZigBee standard has been developed by the ZigBee Alliance, an association of companies working together, to enable reliable, cost-effective, low-power, wirelessly networked monitoring and control products based on an open global standard. The goal of the ZigBee Alliance is to provide the consumer with ultimate flexibility, mobility, and ease of use by building wireless intelligence and capabilities into every day devices. ZigBee technology will be embedded in a wide range of products and applications across consumer, commercial, industrial, and government markets worldwide. For the first time, companies will have a standards-based wireless platform optimized for the unique needs of remote monitoring and control applications, including simplicity, reliability, low-cost, and low-power. The ZigBee communication standard is essential for the growth of wireless home and building automation applications where various end products need to communicate with each other.



ZIGBEE MESH NETWORKING

The PHY and MAC layers are defined by IEEE 802.15.4, ZigBee enables reliable and secure mesh, star and cluster-tree network topologies with interoperable application profiles.

Mesh networks allow for high levels of reliability and scalability by providing routes through the network.

- ○ PAN COORDINATOR (Full Function Device)
- ◍ COORDINATOR (Full Function Device)
- ● DEVICE (Reduced or Full Function Device)

WHY ZIGBEE?

Other short-range standards, such as Bluetooth and Wi-Fi, are not designed for low power monitoring and control applications. With ZigBee, however, the case is different. ZigBee is the only standard that specifically addresses the typical requirements for wireless control and monitoring applications, such as:

- Large number of nodes/sensors
- Very low system/node costs
- Operation for years on inexpensive batteries
- Reliable and secure links between network nodes
- Easy deployment and configuration
- Global solutions

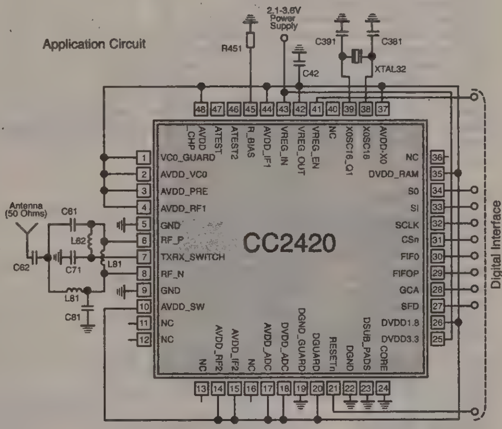
Applications:

- Home and building automation
- Industrial monitoring and control
- Sensor networks
- Automotive networks
- Intelligent toys
- Consumer electronics

RoHS Compliant

CC2420 Key Features:

- True single-chip 2.4 GHz IEEE 802.15.4/ZigBee(tm) RF transceiver w/MAC support
- Suitable for FFDs (Full Function Devices) & RFDs (Reduced Function Devices) defined by IEEE 802.15.4 & ZigBee(tm)
- DSSS modem w/ 2 Mchips/s & 250kbps effective data rate
- Low current consumption: RX: 19.7mA, TX: 17.4mA
- Low supply voltage with internal voltage regulator: 2.1V -3.6V
- No external RF switch/filter needed
- Programmable output power
- I/Q low-IF receiver
- I/Q direct up-conversion transmitter
- Few external components
- Packet handling with 128 byte (RX) +128 byte (TX) data buffering
- Digital RSSI/LQI support
- Hardware MAC encryption and authentication (AES-128)
- Battery monitor
- QLP-48 package (7x7 mm)
- Complies with EN 300 440, FCC CFR 47 part 15, and ARIB STD-T66
- Powerful, flexible development tools available
- Easy-to-use software for performance evaluation


Application Circuit
2.1-3.6V Power Supply
R451
C391
C381
C42
XTAL32
48 47 46 45 44 43 42 41 40 39 38 37
AVDD_CHP
ATEST
ATEST2
R_BIAS
AVDD_IF1
VREG_IN
VREG_OUT
VREG_EN
NC
X0SC16_Q1
X0SC16
AVDD-X0
1 VC0_GUARD
2 AVDD_VC0
3 AVDD_PRE
4 AVDD_RF1
5 GND
6 RF_P
7 TXRX_SWITCH
8 RF_N
9 GND
10 AVDD_SW
11 NC
12 NC
Antenna (50 Ohms)
C61
L62
C62
C71
L61
L81
C81
CC2420
NC 36
DVDD_RAM 35
S0 34
SI 33
SCLK 32
CSn 31
FIF0 30
FIFOP 29
GCA 28
SFD 27
DVDD1.8 26
DVDD3.3 25
Digital Interface
NC
AVDD_RF2
AVDD_IF2
NC
AVDD_ADC
DVDD_ADC
DGND_GUARD
DGUARD
RESETn
DGND
DSUB_PADS
CORE
13 14 15 16 17 18 19 20 21 22 23 24

CC2420 Chip

For quantities of 100 and up or for Tape & Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC2420R	CC2420-RTB1	48P QLP Transceiver (packaged in tubes)	7.20	5.76

CC2420 Development Tools for 802.15.4 and ZigBee™

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each
839-2420DK	CC2420DK	Full Development Kit - two CC2420 evaluation boards, two CC2420 evaluation modules, antennas	615.00
839-2420DBK	CC2420DBK	Demonstration Board Kit - complement to the development kit and includes two CC2420DB demonstration boards, one CC2420SK sample kit and 2 RS-232 cables	540.00
839-2420EMK	CC2420EMK	Evaluation Module Kit - two CC2420EM evaluation modules and two antennas	140.00
839-2420-ZIGBEE-DK	CC2420 ZIGBEE DK	Full Development Kit - five CC2420 DB and a CC2420 EB that together, with a CC2420EM, can utilize the capability of running Chipcon's packet sniffer with the new ZigBee packet parser addition. Z-Stack object code, tools, and documentation will be provided as an End Customer distribution package, available for download from the Chipcon ZigBee developer site	5000.00
839-2420-ZDK-PRO	CC2420 ZDK PRO	CC-2420ZDK Pro kit-Figure e 8 wireless Zigbee software Development suite, a seat in their 2 day Zigbee training, six months support and a 25% discount on any Zigbee training purchased during these six months. Hardware Included: two SmartRF04EB evaluation boards, two CC2420EM evacuation modules, 5 CC2420DB Demonstration boards, antennas	9995.00

CC2400 2.4 GHZ RF TRANSCEIVER CHIP

The CC2400 is a true low-cost, low-power single-chip 2.4 GHz ISM band transceiver with extensive hardware features. When cost, size, and world-wide compliance are major design criteria, the CC2400 provides the optimum solution for an effective and reliable two-way wireless digital communication link.

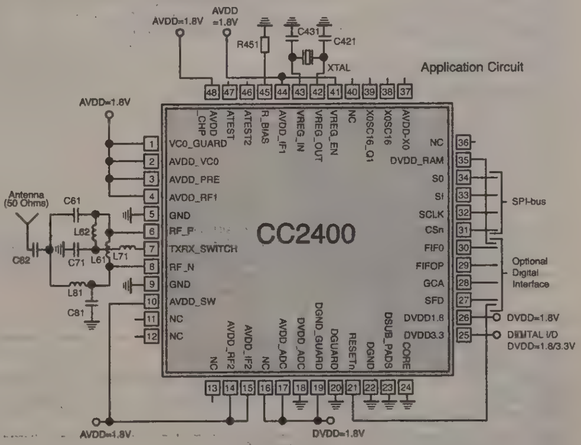
Key Features:

- True single-chip 2400 - 2483.5 MHz RF Transceiver
- GFSK and FSK modulation
- Very low current consumption (RX: 24 mA)
- High sensitivity: -85dBm @ 1Mbps, BER = 10-3
- Programmable over-the-air data rate: 10kbps, 250kbps, or 1Mbps
- Low chip core supply voltage: 1.6-2.0V
- Flexible I/O supply voltage: 1.6-3.6V
- Requires very few external components
- Programmable output power
- Programmable baseband modem
- Digital RSSI carrier sense output
- Agile frequency synthesizer
- Packet handling hardware support
  - Preamble generator with programmable length
  - Programmable synchronization word insertion/detection
  - CRC-16 computation over the data field
  - 8B/10B line coding option
- Data buffering: 32 byte FIFO
- Easy-to-use software for generating the CC2400 configuration data
- Small size (QFN-48 package) 7x7mm
- Complies with EN 300 440, FCC CFR47 part 15, & ARIB STD-T66

Applications :

- Game controllers
- Wireless headsets
- Sports and leisure equipment
- Wireless mouse and keyboards
- Remote controls
- Audio/voice applications
- Joysticks

RoHS Compliant


AVDD=1.8V
AVDD =1.8V
R451
C431
C421
XTAL
Application Circuit
48 47 46 45 44 43 42 41 40 39 38 37
AVDD=1.8V
AVDD_CHP
ATEST
ATEST2
R_BIAS
AVDD_IF1
VREG_IN
VREG_OUT
VREG_EN
NC
X0SC16_Q1
X0SC16
AVDD-X0
1 VC0_GUARD
2 AVDD_VC0
3 AVDD_PRE
4 AVDD_RF1
5 GND
6 RF_P
7 TXRX_SWITCH
8 RF_N
9 GND
10 AVDD_SW
11 NC
12 NC
Antenna (50 Ohms)
C61
L62
C62
C71
L61
L71
L81
C81
CC2400
NC 36
DVDD_RAM 35
S0 34
SI 33
SCLK 32
CSn 31
FIF0 30
FIFOP 29
GCA 28
SFD 27
DVDD1.8 26
DVDD3.3 25
SPI-bus
Optional Digital Interface
DVDD=1.8V
DIGITAL I/O DVDD=1.8/3.3V
NC
AVDD_RF2
AVDD_IF2
NC
AVDD_ADC
DVDD_ADC
DGND_GUARD
DGUARD
RESETn
DGND
DSUB_PADS
CORE
13 14 15 16 17 18 19 20 21 22 23 24
AVDD=1.8V
DVDD=1.8V

CC2400 Chip

For quantities of 100 and up or for Tape & Reel, call for quote.

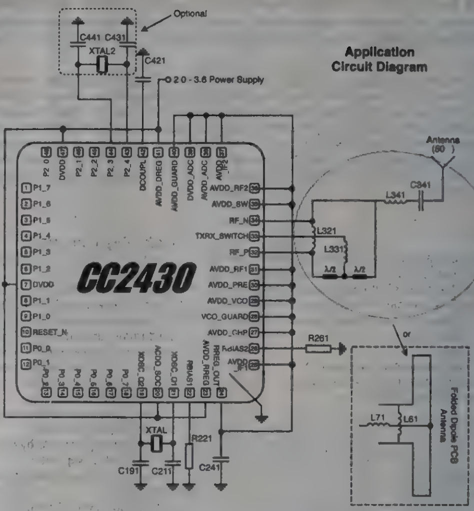
MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC2400R	CC2400-RTB1	48P QFN Transceiver (packaged in tubes)	5.40	4.32

CC2400 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each
839-2400DK	CC2400DK	Full Development Kit - two CC2400 evaluation boards, two CC2400 evaluation modules, antennas	615.00
839-2400DBK	CC2400DBK	Demonstration Board Kit - a complement to the development kit. Includes two CC2400DB demonstration boards, one CC2400SK sample kit & 2 cables	448.70
839-2400EMK	CC2400EMK	Evaluation Module Kit - two CC2400EM evaluation modules and two antennas	140.00

CHIPCON RF Transceivers for 802.15.4/ZigBee™

CC2430 2.4 GHZ RF TRANSCEIVER CHIP WITH ONBOARD 8051 MCU FOR IEEE 802.15.4 AND ZIGBEE™



Application
Circuit Diagram

The CC2430 is a true System-on-Chip (SoC) solution for ZigBee™. With the CC2430, ZigBee™ nodes can be built with very low total bill-of-material costs. The CC2430 combines the excellent performance of the leading CC2420 RF-transceiver with an industry-standard enhanced 8051 MCU, 8 kByte of RAM and many other powerful features. The CC2430 comes in 3 different versions: CC2430-F32, CC2430-F64 and CC2430-F128, i.e. 32, 64 or 128 kByte flash. Combined with Chipcon's industry leading ZigBee™ protocol stack (Z-Stack™), the CC2430 is the market's most competitive ZigBee™ solution.

Key Features:
- Power on reset
- Digital RSSI/LQI support
- Digital battery monitor
- On-chip temperature sensor
- Hardware debug support
- Programmable watchdog timer
- 32 MHz single-cycle low power 8051 MCU
- RoHS compliant 7 x 7 mm QLP48 package
- 2.4 GHz IEEE 802.15.4 compliant RF transceiver
- 32, 64, and 128 kByte in-system programmable flash
- Ultra low power: Ideal for battery operated systems
- Four flexible power modes for reduced power consumption
- Industry leading ZigBee(TM) protocol stack (Z-Stack) available
- 8 kByte SRAM, 4 kByte with data retention in all power modes
- One IEEE 802.15.4 MAC timer, one general 16-bit timer and two 8-bit timers
- Reference design with external PA providing +10 dBm output power easily obtainable based on CC2420 with external PA

Applications:
- Home and building automation
- Industrial monitoring and control
- Sensor networks
- Automotive networks
- Intelligent toys
- Consumer electronics

RoHS Compliant

CC2430 Chips

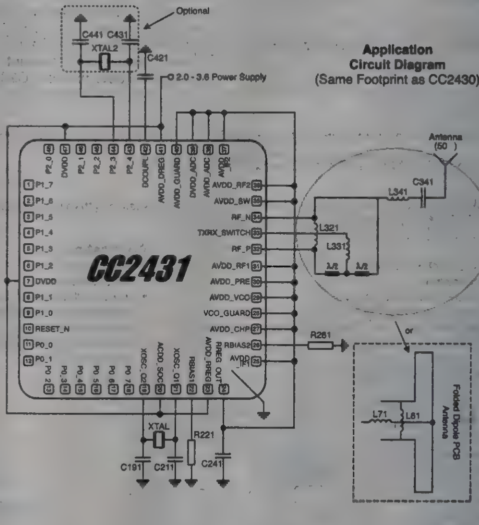
For quantities of 100 and up or Tape and Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC2430-F32	CC2430-F32	48 Pin QLP, 32kB Flash, (packaged in tubes)	7.52	6.58
839-CC2430-F64	CC2430-F64	48 Pin QLP, 64kB Flash, (packaged in tubes)	8.40	7.35
839-CC2430-F128	CC2430-F128	48 Pin QLP, 128 kB Flash, (packaged in tubes)	9.28	8.12

CC2430 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each
839-2430DK	CC2430DK	CC2430DK Development Kit - two SmartRF04EB Evaluation Boards, two CC2430EM Evaluation Modules, antennas	591.00
839-2430-ZDK-PRO	CC2430 ZDK PRO	CC2430ZDK Pro Kit - Figure 8 Wireless' ZigBee Software Development Suite, a seat in their 2 day ZigBee training, six months support and a 25% discount on any ZigBee training purchased during these six months. Included is also two SmartRF04EB Evaluation Boards, two CC2430EM Evaluation Modules, 5 CC2430DB Demonstration Boards, antennas	9995.00

CC2431 2.4 GHZ RF TRANSCEIVER CHIP WITH ONBOARD 8051 MCU FOR IEEE 802.15.4 AND ZIGBEE™



Application
Circuit Diagram
(Same Footprint as CC2430)

The CC2431 with Location Engine is a true System-on-Chip (SoC) solution for ZigBee™/IEEE 802.15.4 wireless sensor networking. The CC2431 combines the excellent performance of the industry leading CC2420 RF transceiver with an enhanced 8051 MCU, 8 kB of RAM, 128 kB Flash memory and many other powerful features.

Key Features:
- RSSI based Location Engine
- Digital battery monitor
- On-chip temperature sensor
- Hardware debug support
- CSMA/CA coprocessor
- Digital RSSI / LQI support
- Fully pin compatible to CC2430
- Powerful DMA functionality
- AES security coprocessor
- Programmable watchdog timer
- 8-14 bits ADC with up to eight inputs
- Power-On-Reset/Brown-Out Detectionr
- 128 kB in-system programmable Flash
- RoHS compliant 7mm x 7mm QLP48 package
- Enhanced version of the industry standard 8051
- 2.4 GHz IEEE 802.15.4 compliant RF transceive
- 8 kB RAM, 4 kB with data retention in all power modes
- Four flexible power modes for reduced power consumption
- 21 general I/O pins, two with 20 mA sink/source capability
- Two programmable USARTs for master/slave SPI or UART operation
- System clock source can be 16 MHz RC oscillator or 32 MHz crystal oscillator. The 32 MHz oscillator is used when the radio is active
- Optional clock source for ultra-low power operation can be either the low-ower 32 kHz RC oscillator or an optional 32.768 kHz crystal oscillator
- One IEEE 802.15.4 MAC timer, one general 16-bit timer and two 8-bit timers

Applications:
- Asset tracking
- Inventory control
- Container/pallet tracking
- Equipment and personnel tracking
- Security
- Vehicle (load) tracking
- Access and control systems
- Commissioning Networks

RoHS Compliant

CC2431 Chips

For quantities of 100 and up or Tape and Reel, call for quote.

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each	
			1	25
839-CC2431	CC2431-RTB1	48 Pin QLP, 128 kB Flash, (packaged in tubes)	9.97	9.65

CC2431 Development Tools

MOUSER STOCK NO.	Chipcon/TI Part No.	Description	Price Each
839-2431DK	CC2431DK	CC2431DK - Includes two SmartRF®04EB Evaluation Boards, 10 x CC2431EM Evaluation Modules, 10 x battery boards, antennas and batteries.	999.99
839-2431-ZDK-PRO	CC2431 ZDK PRO	CC2431ZDK Pro Kit - Includes Figure 8 Wireless' ZigBee Software Development Suite, a seat in 2 day ZigBee training, six months support and a 25% discount on any ZigBee training purchased during these six months. The hardware includes the content of the CC2430ZDK and the CC2431DK. The dedicated CC2431 hardware can easily be used for testing the location engine in ZigBee networks. Totally the kit includes 7 x CC2430 boards that can be used for reference nodes in a network and 10 CC2431 boards	10700.00

CIRRONET INC. ZigBee, FHSS and Mesh Networking

Cirronet offers a complete line of spread spectrum wireless products for industrial and factory applications. Using both patented frequency hopping technology and open-standard direct sequence technologies, these products fall in two categories: ready-to-use devices for systems integration, and design-in OEM modules for custom applications.

ZIGBEE™ OEM RF MODULES AND DEVELOPMENT KITS

Cirronet has built each 2.4 GHz ZigBee module to allow FCC certification as a module. This means FCC type acceptance testing is not required for the device into which the module is integrated, saving you money and getting your product to market faster.

Features:
- 2.4 GHz Direct Sequence Spread Spectrum technology
- Ad hoc mesh network
- Low power consumption
- Small size, light weight
- FCC certified for unlicensed operation
- Upgradeable to the latest ZigBee version
- Fast acquisition time
- Redundant, self healing network
- Supports large number of nodes
- Ideal for battery operation
- Easy to integrate
- Shortens time to market

ZigBee™ Development Kit:
- 2 ea. evaluation boards
- 2 ea. AC power adapters and cords
- 2 ea. patch antennas
- 2 ea. USB cables
- 2 ea. serial cables
- 2 ea. RF cables
- 2 ea. omni antennas
- 2 ea. 9V batteries
- 1 ea. software CD

ZigBee™ Development PRO Kit:
- 4 ea. Serial interface boards
- 1 ea. Serial gateway board
- 5 ea. AC power adapters and cords
- 5 ea. Patch antennas
- 5 ea. Omni antenna
- 5 ea. USB cables
- 5 ea. RF cables
- 5 ea. Serial cables
- 5 ea. 9V batteries
- 1 ea. Software & manuals CD

ZMN2400

ZMN2400HP

MOUSER STOCK NO.	Cirronet Part No.	Description	Power Output	Operating Voltage	Operating Temperature	Price Each		
						1	500	1000
2.4GHz DSSS								
725-ZMN2400	ZMN2400	ZigBee Module	1mW	2.7Vdc - 5.5Vdc	-40°C to +85°C	**22.00**	**21.00**	**20.00**
725-ZMN2400HP	ZMN2400HP	ZigBee Module	100mW	3.3Vdc - 5.5Vdc	-40°C to +85°C	**36.00**	**34.50**	**33.00**
Development Kits								
725-ZMN2400DK	ZMN2400DK	1mW Zigbee™ Development Kit	- - -	- - -	- - -	**299.00**	- - -	- - -
725-ZMN2400HPDK	ZMN2400HPDK	100mW Zigbee™ Development Kit	- - -	- - -	- - -	**299.00**	- - -	- - -
725-ZMN2400HPDK-PRO	ZMN2400HPDK-Pro	100mW Zigbee™PRO Development Kit	- - -	- - -	- - -	**499.00**	- - -	- - -

IEEE 802.15.4 PRODUCTS

The IEEE 802.15.4 specification is the basis of ZigBee radios. They provide for low-cost, low-power multi-point and peer to peer networking. For applications that need cost and power savings but do not require mesh networking and its attendant overhead, Cirronet's LPR2400 (1 mW RF power) and LPR2400ER (extended range with 65 mW RF power) provide excellent peer-to-peer and star topology wireless networking at 2.4 GHz in industrial and factory settings.

Features:
- 2.4 GHz Direct Sequence Spread Spectrum technology
- Multiple Network Technologies
- Low power consumption
- Small size, light weight
- High Power (+18dBm)
- FCC certified for unlicensed operation
- Redundant, self healing network
- Supports large number of nodes
- Ideal for battery operation
- Easy to integrate

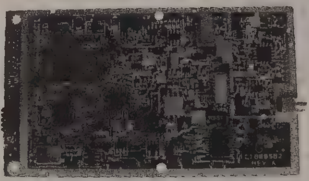
MOUSER STOCK NO.	Cirronet Part No.	Description	Power Output	Operating Voltage	Operating Temperature	Price Each		
						1	500	1000
2.4GHz 802.15.4								
725-LPR2400ER	LPR2400ER	Peer-to-Peer OEM Module	100mW	3.3Vdc-5.5Vdc	-40°C to +85°C	**36.00**	**34.50**	**33.00**
725-LPR2400	LPR2400	Peer-to-Peer OEM Module	1mW	3.3Vdc-5.5Vdc	-40°C to +85°C	**22.00**	**21.00**	**20.00**
725-ZN-241G	ZN-241G	External Wireless Serial Modem RS232	100mW	6Vdc-12Vdc	-40°C to +85°C	**129.00**	- - -	- - -
Development Kit								
725-LPR24ERDK-B	LPR24ERDK-B	LPR2400ER Development Kit	- - -	- - -	- - -	**199.00**	- - -	- - -
725-LPR2400DK	LPR2400DK	LPR2400 Development Kit	- - -	- - -	- - -	**299.00**	- - -	- - -

FREQUENCY HOPPING SPREAD SPECTRUM PRODUCTS

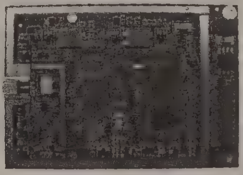
Cirronet's wireless FHHS products are especially well-suited to industrial and factory settings, where they ensure data throughput despite electrical noise and multipath fading. FHSS's greater transmission range than is afforded by such protocols as 802.11 makes these products appropriate for outdoor applications, where nodes may be separated by several miles. And their fast, error-free delivery of data makes them popular in mission-critical applications.

Development Kit Contents:
- (2) OEM Modules
- (2) Standalone modems
- (2) 4-in. reverse polarity SMA coax cables
- (4) 2.4 GHz rubber flex antennas
- (2) Power and data cables
- (2) Wall mount power supply/chargers
- Configuration Software
- Integration guide

WIT910



WIT2450



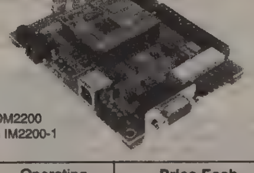
MOUSER STOCK NO.	Cirronet Part No.	Description	Power Output (Software Selectable)	Operating Voltage	Operating Temperature	Price Each		
						1	500	1000
900MHz FHSS								
725-WIT910	WIT910M	Transceiver OEM Module	500Mw, 100mW, 10mW	3.3Vdc-10Vdc	-40°C to +85°C	**250.00**	**245.00**	**240.00**
2.4GHz FHSS								
725-WIT2450	WIT2450M2	Transceiver OEM Module	10mW, 63mW, 250mW	3.3Vdc-10Vdc	-40°C to +70°C	**125.00**	**120.00**	**115.00**
725-WIT2410	WIT2410M4G	Transceiver OEM Module with Roaming Capability	10mW or 100mW	3.3Vdc-10Vdc	-40°C to +70°C	**259.00**	**254.00**	**246.00**
Development Kits								
725-WIT910DK	WIT910DK	WIT910 Development Kit	- - - - - - - - -	- - -	- - -	**795.00**	- - -	- - -
725-WIT2450DK	WIT2450DK	WIT2450 Development Kit	- - - - - - - - -	- - -	- - -	**495.00**	- - -	- - -

PROPRIETARY MESH SPREAD SPECTRUM PRODUCTS

Cirronet's miniMESH ™ protocol provides a self-forming mesh network through the deployment of base station, router and field nodes. miniMESH is included with the DM18xx family of products. VersaMESH™ provides a virtually unlimited number of nodes while providing excellent control over network formation. The VersaMESH protocol is included with the DM2200 family of products.

DM1810-916-DK:
Development kit for the DM1810-916M module with 1 Base Station and 5 Field Node modules, 5 Router modules, and 3 IM1810 interface boards, cables, demonstration software, 5 battery packs and 5 power supplies

DM2200-916-DK:
Developement Kit for the DM2200-916VM module with 1 Base Station module, 3 Field Node modules, 4 IM2200 interface boards, cables, demonstration software, 4 battery packs and 4 power supplies.



DM2200
with IM2200-1

MOUSER STOCK NO.	Cirronet Part No.	Description	Power Output	Operating Voltage	Operating Temperature	Price Each		
						1	50	250
916MHz Proprietary Mesh Modules								
725-DM1810-916MB	DM1810-916MB	DM1810 Module with Base Station Firmware	10mW	3.1Vdc-14Vdc	-40°C to +85°C	**35.00**	**33.00**	**30.00**
725-DM1810-916MN	DM1810-916MN	DM1810 Module with Node Firmware	10mW	3.1Vdc-14Vdc	-40°C to +85°C	**35.00**	**33.00**	**30.00**
725-DM1810-916MR	DM1810-916MR	DM1810 Module with Router Firmware	10mW	3.1Vdc-14Vdc	-40°C to +85°C	**35.00**	**33.00**	**30.00**
725-DM2200-916VM	DM2200-916VM-1	DM2200 Module	10mW	2.7Vdc-14Vdc	-40°C to +85°C	**60.00**	**55.00**	**48.00**
Transceiver Interface Modules								
725-IM1800-1	IM1800-1	Interface Module for DM1800/DM1810	- - -	- - -	- - -	**80.00**	**72.00**	**68.00**
725-IM2200-1	IM2200-1	Interface Module for DM2200	- - -	- - -	- - -	**122.00**	**107.00**	**100.00**
Development Kits								
725-DM1810-916-DK	DM1810-916-DK	DM1810 Development Kit	- - -	- - -	- - -	**750.00**	- - -	- - -
725-DM2200-916-DK	DM2200-916-DK	DM2200 Development Kit	- - -	- - -	- - -	**495.00**	- - -	- - -

DLP DESIGN RFID and ZigBee™ Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DLP-RFID1 RFID READER AND WRITER

The DLP-RFID1 is a low-cost, USB-powered module for reading from and writing to ISO 15693, ISO 18000-3, and Tag-it™ intelligent RFID transponder tags. It has the ability to both read and write up to 256 bytes of data in addition to reading the unique identifier (UID/SID). All of the DLP-RFID1's electronics and antenna reside within the compact unit, and all operational power is taken from the host PC via the USB interface. The range of the internal antenna is up to 4 inches depending upon the size of the tag being read.

Features:
- ISO 15693, 18000-3, Tag-it™ HF-I Compatible
- Read UID/SID of Up to 15 Tags Simultaneously
- 13.56MHz Reader/Writer
- Built-in Antenna: Up to 4-Inch Read Range
- FCC/IC/CE Modular Approval in Place
- Permanent Unique Serial Number Accessible Via USB
- Integrated Pass/Fail Beeper
- USB Port Powered from Host PC (USB 1.1/2.0 Compatible)
- USB Drivers Provided for Windows XP, XPx64, Server2003, 2000, 98, ME
- Software Development Library Support for Visual C++/Visual Basic

Specifications:
- Reader Frequency: 13.56MHz
- Output Power: 200mW MAX
- Range (Integral Antenna): 4 Inches MAX
- Tags/Protocols Supported: Tag-It*, ISO18000-3, ISO15693
- Communications Interface: USB 1.1/2.0 Compatible, Mini-B 5-Pin Connector
- Operational Power – Active: 120mA
- Operational Power – Idle: 15mA
- Antenna: On-Board Antenna, SMA Position Available**
- USB Driver Support: Windows XP, XPx64, Server2003, 2000, 98, ME
- Physical Dimensions – OEM PCB: .20x2.17x3.12" typ. (5.1x55.1x79.3mm)
- Physical Dimensions – Retail Enclosure: .83x2.3x3.25" typ. (21.1x58.4x82.6mm)
- Operating Temperature: 0-70°C

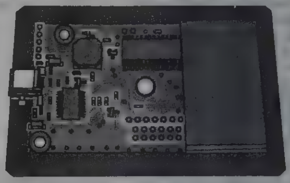
Applications:
- Real-Time Security
- Personal Identification
- Pharmaceutical Tracking
- Inventory/Asset Management & Tracking
- Library/Book Management & Tracking
- Baggage Tagging
- Sports Event Timing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each	
			1	10
626-DLP-RFID1-RG	DLP-RFID1-RG	Includes reader, retractable USB cable and an assortment of tags	119.95	117.00
626-DLP-RFID1-OG	DLP-RFID1-OG	OEM Board Only	94.50	89.50
626-DLP-RFIDTAG	DLP-RFIDTAG	10 Pack of RFID Peel and Stick Tags	29.95	27.50

DLP Design DLP-RFID1
RFID Reader/Writer
ISO 15693, ISO 18000-3
www.dlpdesign.com
DLP

Retail Version



OEM Version

DLP 802.15.4/ZIGBEE™ READY MODULES

The DLP-RF1 and DLP-RF2 OEM Modules are short-range, low-power, 2.4-GHz, unlicensed worldwide ISM band transceivers designed around the IEEE 802.15.4 Wireless Standard. Both support point-to-point and star network configuration using preprogrammed firmware.

The RF1 and RF2 are ready for either direct design into finished product or as a quick wire replacement within a home or office application. The units come preprogrammed with DLP Design's Serial Interface Packet Processor (SIPP™) firmware based upon Freescale's SMAC RF IC control firmware. If the SIPP™ firmware does not meet the requirements of the project at hand, then the BDM interface is available for reprogramming the microcontroller with user firmware.

Application Areas:
- Remote control and wire replacement in industrial systems
- Wireless sensor networks
- Home automation and control
- Factory automation
- Heating and cooling systems
- Inventory management and RFID tagging
- Human interface devices
- Remote entertainment control
- Wireless toys

Features:
- IEEE 802.15.4 Compliant & ZigBee ready
- Freescale MC13192 RF Transceiver IC
- Freescale MC9S08GT60 Microcontroller
- Carrier-sense, multiple-access technology
- Range: >700 feet, outdoor line of sight
- Royalty-free USB drivers
- USB interface programming as easy as RS232C
- Agency approvals in place for immediate deployment in the US, Canada, and Europe
- 16 Channels (2.405GHz to 2.480GHz)
- Microcontroller pre-programmed with SIPP firmware
- <35 microamp low-power mode
- Antenna Integral to PCB Design–No External Antenna to Purchase and Mount SIPP™ firmware

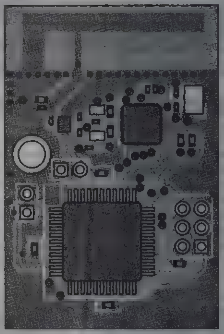
DLP-RF2 - 2.4 GHZ OEM RF Transceiver Module

The DLP-RF2 combines a Freescale™ MC13192 2.4GHz Direct-Sequence, Spread-Spectrum RF Transceiver IC and Freescale MC9S08GT60 microcontroller to form an IEEE 802.15.4 compliant, ZigBee™ ready, short-range transceiver module. The DLP-RF2 connects to user electronics via a standard, 20-pin male header.

The MC9S08GT60 microcontroller is preprogrammed with DLP Design's Serial Interface Packet Processor (SIPP™ firmware) for accessing the transceiver functions via simple serial calls. Interface to an external serial host microcontroller/DSP/FPGA, etc. is accomplished via a simple 2-wire (RX, TX, and ground) interface.

The SIPP firmware in the DLP-RF2 resides at the application layer and is based on Freescale's SMAC. The SIPP firmware provides basic access to DLP-RF2 functionality: Packet receive and transmit, transceiver settings, EEPROM access, etc. The DLP-RF2 can also operate without a serial host controller. Basic digital I/O, A/D conversions, temperature measurement, and latching/non-latching relay control are available via the SIPP firmware. The MC9S08GT60 can be reprogrammed (if desired) with user-supplied firmware via a 6-pin BDM header that is compatible with the P&E USB-ML-12 and device programmers (purchased separately).

DLP-RF2 (TTL Serial Interface)



DLP-RF2

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each			
		1	10	100	250
626-DLP-RF2-Z	DLP-RF2-Z	35.00	30.00	27.00	25.00

DLP-RF1 - 2.4 GHZ OEM RF USB Transceiver Module With USB Interface

The DLP-RF1 combines a USB interface, Freescale™ MC13192 2.4GHz Direct-Sequence Spread Spectrum RF Transceiver IC and Freescale MC9S08GT60 microcontroller to form an IEEE 802.15.4 compliant, ZigBee™ ready, short-range transceiver module.

The MC9S08GT60 microcontroller is preprogrammed with DLP Design's Serial Interface Packet Processor (SIPP™ firmware) for accessing the transceiver functions via simple serial calls. The application programming required for accessing the module via USB is functionally identical to that used to access the RS232C ports on a standard Windows/Linux/Mac PC via the use of royalty-free Virtual COM Port (VCP) drivers. (No USB driver development is required for most applications.) The SIPP firmware in the DLP-RF1 resides at the application layer and is based on Freescale's SMAC. The SIPP firmware provides basic access to DLP-RF1 functionality: packet receive and transmit, transceiver settings, EEPROM access, etc.

DLP-RF2 Development Tools

A 20-pin interface header is provided for each of these development tools to allow quick connection to the DLP-RF2 transceiver.

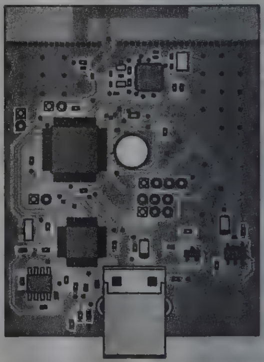
The **DLP-RF2-SENS** provides example designs for a temperature/humidity sensor, door switch input, and a system for measuring battery power. This developer's tool demonstrates the low-power mode of operation in which the module remains in Sleep Mode drawing less than 40 microamps of current from two AAA batteries until either the door switch input detects a change or the timer wakes up the transceiver to check in with the system controller.

The **DLP-RF2-RELAY** also demonstrates the low-power mode of operation while providing a battery power measurement system and door switch input together with two latching relays. While in Sleep Mode, the total system current drawn from two AA batteries is less than 40 microamps regardless of the state of the relays.

The **DLP-RF2-PROTO** is intended to enable the designer to quickly progress in the development of hardware and software associated with wireless networking projects. This board offers a number of flexible tools to accommodate numerous modes of operation:

DLP-RF2 Proto Board Features:
- BDM Programming Interface
- Easy-to-Use USB Interface for Modeling Serial Host Firmware on a PC
- RS232C (DB9) Interface for Connection to a Legacy Peripheral
- Buffered LED Indication of 8 Selected Digital I/O Lines
- Low-Power Mode Jumper
- Prototyping Breadboard
- Three Power Sources: USB Port, DC Jack (4-15VDC), or 9-Volt Battery Clips
- A/D and Voltage Reference Setups

DLP-RF1 (Host Interface)



DLP-RF1 And Development Tools

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	50	100
626-DLP-RF1-Z	DLP-RF1-Z	DLP-RF1-Z USB Transceiver Module for Computer Control Functions	59.95	53.10	49.95
626-DLP-RF2-SENS	DLP-RF2-SENS	Temperature and Humidity Sensor Board for RF2 Module	59.95	58.00	56.26
626-DLP-RF2-RELAY	DLP-RF2-RELAY	Latching Relay Board for RF2 Module	49.95	48.20	46.75
626-DLP-RF2-PROTO	DLP-RF2-PROTO	Proto Development Board for RF2 Module Applications	99.95	95.50	90.70

FLEXIPANEL Zigbee and Bluetooth Modules

RoHS Compliant **This page of product is compliant.**

FlexiPanel designs and manufactures value-added RF modules and specializes in off-the-shelf solutions for OEMs, which include all RF circuitry, including antennas, and FCC/CE certifications. The aim is to make RF integration easy. FlexiPanel is also a leading provider of Bluetooth and ZigBee/IEEE 802.15.4 modules. The company regularly patents key aspects of its designs and is continually reinvesting in order to diversify its offering of modular electronics products.

2.4 GHZ RF MODULES AND ADAPTERS

EasyBee is an IEEE 802.15.4 compliant RF transceiver. It enables designers to easily add ZigBee / IEEE 802.15.4 wireless capability to their products without the need for RF or antenna design expertise.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FlexiPanel Part No.	Fig.	Description	RoHS & Pb Free	Price Each	
					1	10
132-EASYBEE	EASYBEE	A	2.4GHz Transceiver Module DIL package	Yes	**38.00**	**35.63**
132-EASYBEE_SO	EASYBEE_SO	B	2.4GHz Transceiver Module SO package	Yes	**24.19**	**22.68**
132-UZBEE	UZBEE	C	2.4GHz Zigbee USB Adapter	Yes	**60.77**	**56.97**
132-EASYBEE-EVAL	EASYBEE-EVAL	-	EasyBee Evaluation Board - IEEE 802.15.4	Yes	**36.48**	**34.20**

PIXIE ZIGBEE FFD MODULES

Pixie provides a complete ZigBee solution for OEMs, integrating IEEE 802.15.4 2.4GHz PHY / MAC layers with Microchip Technology's NWK / APL / ZDO layers. It provides a path for extremely rapid migration from Microchip's PICDEM Z ZigBee development environment to market-ready product.

Pixie is capable of full function device (FFD) operation and is suitable for router and coordinator nodes. The lower cost Pixie Lite version is used for reduced function devices, e.g. endpoints, with 2 fewer I/O lines.

Dual In Line Package

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FlexiPanel Part No.	Fig.	Description	RoHS & Pb Free	Price Each	
					1	10
132-PIXIE-PXSC	PIXIE-PXSC	D	Switcher Coordinator firmware	Yes	**62.29**	**58.40**
132-PIXIE-PXSR	PIXIE-PXSR	D	Switcher Router firmware	Yes	**62.29**	**58.40**
132-PIXIE-LITE-PLFE	PIXIE-LITE-PLFE	D	Switcher Fast End Device firmware	Yes	**60.77**	**56.97**
132-PIXIE-LITE-PLSE	PIXIE-LITE-PLSE	D	Switcher Sleepy End Device firmware	Yes	**60.77**	**56.97**
132-PIXIE-EVAL	PIXIE-EVAL	D	Pixie Evaluation Kit - ZigBee	Yes	**456.00**	**427.50**

Surface Mount Package

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FlexiPanel Part No.	Fig.	Description	RoHS & Pb Free	Price Each	
					1	10
132-PIXIE-SO-PXSC	PIXIE-SO-PXSC	E	Switcher Coordinator firmware	Yes	**47.42**	**44.46**
132-PIXIE-SO-PXSR	PIXIE-SO-PXSR	E	Switcher Router firmware	Yes	**47.42**	**44.46**
132-PIXIE-LT-SO-PLFE	PIXIE-LT-SO-PLFE	E	Switcher Fast End Device firmware	Yes	**43.65**	**40.92**
132-PIXIE-LT-SO-PLSE	PIXIE-LT-SO-PLSE	E	Switcher Sleepy End Device firmware	Yes	**43.65**	**40.92**
132-PIXIE-EVAL	PIXIE-EVAL	E	Pixie Evaluation Kit - ZigBee	Yes	**456.00**	**427.50**

BLUETOOTH 2.0 TRANSCEIVERS

LinkMatik 2.0 is a serial / PCM audio to Bluetooth data link. It can be controlled from a host controller using simple commands. LinkMatik 2.0 can also operate without a host controller for point-to-point serial connections. Auto-Slave and Auto-Master modes allow LinkMatik 2.0 to operate a slave, master or wedded pair. LinkMatik is shipped in Auto-Slave mode.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FlexiPanel Part No.	Fig.	Description	RoHS & Pb Free	Price Each	
					1	10
132-LINKMATIK-2-DIL	LINKMATIK 2 DIL	F	Dual In Line package, 3.3V - 5V	Yes	**97.28**	**91.20**
132-LINKMATIK-2-SO	LINKMATIK 2 SO	G	Surface Mount package, 3.3V	Yes	**60.77**	**56.97**

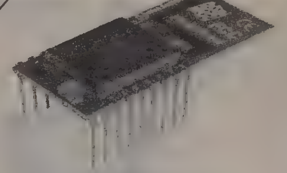
TOOTHPICK 2.0, PIC WITH BLUETOOTH

Toothpick is a PIC microcontroller and LinkMatik radio combination, preloaded with Toothpick Services firmware providing FlexiPanel user interface server, wireless field programming and Toothpick Slave for optional external host control.

For quantities greater than listed, call for quote.

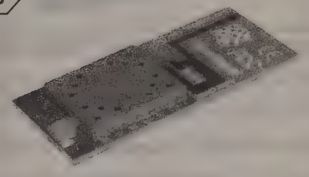
MOUSER STOCK NO.	FlexiPanel Part No.	Fig.	Description	RoHS & Pb Free	Price Each	
					1	10
132-TOOTHPICK-2-DIL	TOOTHPICK 2 DIL	H	Toothpick 2.0, 28-pin DIL package, 3.3V - 5V	Yes	**145.92**	**136.80**
132-TOOTHPICK-2-SO	TOOTHPICK 2 SO	H	Toothpick 2.0, SO package, 3.3V - 5V	Yes	**118.56**	**111.15**
132-TOOTHPICK-2L-SO	TOOTHPICK 2L SO	H	Toothpick 2.0 Lite, SO package, 3.3V	Yes	**91.20**	**85.50**
132-EVAL-BT	EVAL-BT	-	Bluetooth Evaluation Board	Yes	**150.78**	**141.36**

A



Transceiver Module (DIL)

B

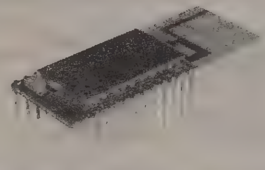


Transceiver Module (SO)

C

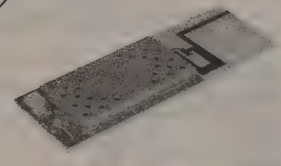
USB Adapter

D



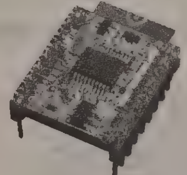
Dual In Line

E



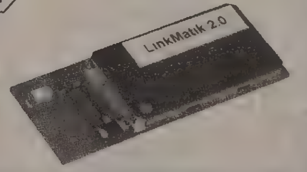
Surface Mount

F



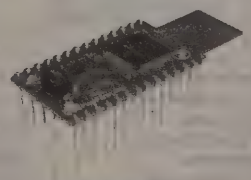
Dual In Line

G



Surface Mount

H

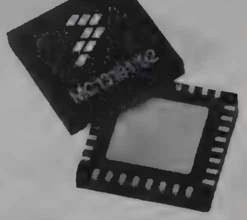


Dual In Line Shown

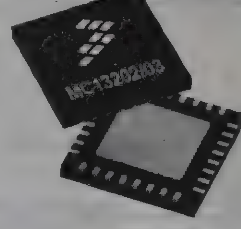
FREESCALE ZigBee™ Wireless Solutions and Kits

Products may be RoHS compliant.
Check mouser.com for RoHS status.

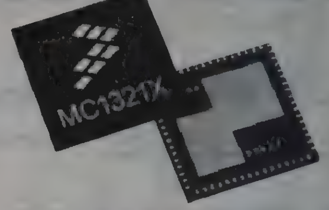
MC1319x Family



MC1320x Family



MC1321x Family



FREESCALE ZIGBEE WIRELESS SOLUTIONS

Freescale Semiconductor offers an extensive set of low cost wireless networking solutions, hardware and software, to provide you "A fast start to wireless networking". Consider using Freescale Semiconductor's Transceiver or System-in-Package (SiP) solutions for the following applications. Application spaces include, but are not limited to:

- **Residential and Commercial Automation**
- **Industrial Control Applications**
- **Healthcare Products**
- **Consumer Products**

MC1319x Family of Generation I Transceivers

RoHS Compliant

The Generation I MC1319x and Generation II MC1320x families of transceivers may be utilized with Freescale's 8-bit or 32-bit MCU's. The transceivers in combination with the MCU and the selected MAC software provide a flexible set of wireless solutions to fit the customer's applications requirements in a cost-effective manner.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Channels	Package	Supply Voltage (V)	Frequency Band (GHz)	Serial Interface	Application	Communication Protocol	Price Each		
									1	25	100
841-MC13191FC	MC13191FC	16	1311 (QFN 32)	2 to 3.4V	2.4GHz	SPI	2.4 GHz ISM	SIMPLE MAC	3.88	2.71	2.64
841-MC13192FC	MC13192FC	16	1312 (QFN 32)	2 to 3.4V	2.4GHz	SPI	2.4 GHz ISM, 802.15.4	IEEE 802.15.4	4.58	3.20	3.11
841-MC13193FC	MC13193FC	16	1313 (QFN 32)	2 to 3.4V	2.4GHz	SPI	2.4 GHz ISM, ZIGBEE	ZIGBEE	5.53	3.87	3.76

MC1320x Family of Generation II Transceivers

RoHS Compliant

The MC1320x family is a series of short range, low power, 2.4 GHz ISM band second generation transceivers. The MC1320x family contains a complete packet data modem compliant with the IEEE® 802.15.4 standard PHY (Physical) layer. The solutions also offer an integrated TX/RX switch for fewer components and lower cost BOM. When combined with an appropriate MCU, the MC1320x family provides a cost-effective solution for short-range data links and networks.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Channels	Package	Supply Voltage (V)	Frequency Band (GHz)	Serial Interface	Application	Communication Protocol	Price Each		
									1	25	100
841-MC13201FC	MC13201FC	16	1311 (QFN 32)	2 to 3.4V	2.4GHz	SPI	2.4 GHz ISM	SIMPLE MAC	4.20	2.94	2.86
841-MC13202FC	MC13202FC	16	1311 (QFN 32)	2 to 3.4V	2.4GHz	SPI	2.4 GHz ISM, 802.15.4	IEEE 802.15.4	4.90	3.43	3.33
841-MC13203FC	MC13203FC	16	1311 (QFN 32)	3 to 3.4V	2.4GHz	SPI	2.4 GHz ISM, ZIGBEE	ZIGBEE	5.88	4.47	4.23

MC1321x Family of System in a Package (SiP)

RoHS Compliant

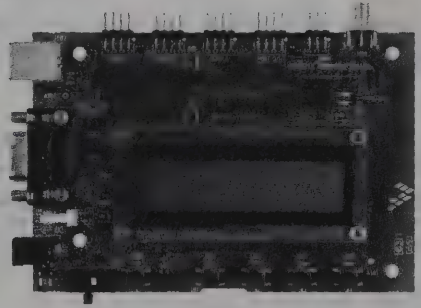
The MC1321x family is Freescale Semiconductor's ZigBee platform technology with a low power 2.4 GHz RF transceiver and an 8-bit MCU in a 71-pin LGA package. The MC1321x family also offers broad range of integrated peripherals and interfaces including I2C, SCI, Timers/PWM, KBI, as well as an 8 channel 10-bit ADC. The combination of the radio and microcontrollers, as well as the incorporation of key peripherals and functions, in a small footprint package allows for a cost-effective solution.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Channels	Package	Supply Voltage (V)	Frequency Band (GHz)	MCU Memory	Application	Communication Protocol	Price Each		
									1	25	100
841-MC13211	MC13211	16	LGA , 71-pin	2 to 3.4V	2.4GHz	16KB	2.4 GHz ISM	SIMPLE MAC	5.53	4.50	4.37
841-MC13212	MC13212	16	LGA , 71-pin	2 to 3.4V	2.4GHz	32KB	2.4 GHz ISM, 802.15.4	IEEE 802.15.4	6.04	4.92	4.78
841-MC13213	MC13213	16	LGA , 71-pin	2 to 3.4V	2.4GHz	60KB	2.4 GHz ISM, ZIGBEE	IEEE 802.15.4 or BeeStack	6.62	5.70	5.39

FREESCALE ZIGBEE DEVELOPMENT KITS

Freescale Semiconductor provides a range of comprehensive yet cost-effective development tools designed to provide developers with the necessary hardware and software required to evaluate and develop wireless solutions ranging from simple point-to-point networks to ZigBee mesh networks.



BeeKitTM Wireless Connectivity Toolkit

Freescale's BeeKit development environment for Windows operating systems provides a GUI in which users can create, modify, save and update wireless network solutions based on Freescale's Simple MAC (SMAC), IEEE 802.15.4 PHY/MAC and BeeStack ZigBee protocol stack. BeeKit provides a wizard and solution explorer that allows the user to quickly and easily configure parameters before creating the project, greatly reducing the need to sift through individual files and manually configure parameters. With the comprehensive code base of wireless networking libraries, application templates, and sample applications, the user generates the appropriate workspace files to be imported into an integrated development environment (IDE) for continued development and debugging.
Download your complimentary BeeKit at www.Freescale.com/Zigee

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-13192DSKE	13192DSK-A0E	1319x Developer's Starter Kit	214.82
841-13192EVBE	13192EVB-A0E	1319x Evaluation Board	430.72
841-13192DSK-BDME	13192DSK-BDM-A0E	1319x Developer's Starter Kit with BDM	322.77
841-13192EVB-BDME	13192EVB-BDM-A0E	1319x Evaluation Board with BDM	484.70
841-1321XDSK	1321XDSK	1321x Developer's Starter Kit	268.80
841-1321XDSK-BDM	1321XDSK-BDM	1321x Developer's Starter Kit with BDM	376.75
841-1321XNSK	1321XNSK	1321x Network Starter Kit	538.67
841-1321XNSK-BDM	1321XNSK-BDM	1321x Network Starter Kit with BDM	592.65

MAXSTREAM Embedded Wireless Products

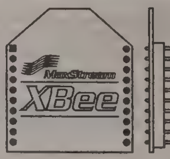
Products may be RoHS compliant.
Check mouser.com for RoHS status.

Easy-to-Use! No configuration is necessary for out-of-box RF operation. Simply feed data into one module, then the data is sent out the other end of the wireless link. If more advanced functionality is needed, the modules support an extensive set of AT commands.

MaxStream 900 MHz solutions are certified for use in North American, but integrators in Europe must use MaxStream's 2.4 GHz solutions.

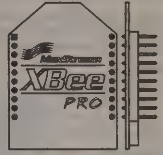
XBee Specifications:
- Indoor/Urban Range: Up to 100' (30m)
- Outdoor Line-of-Sight Range: Up to 300' (100m)
- Transmit Power Output: 1mW (0dBm)
- Power-Down Current: <10μA
- Operating Frequency: 2.4GHz
- RF Data Rate: 250,000bps

RoHS Compliant



XBee-Pro Specifications:
- Indoor/Urban Range: Up to 300' (100m)
- Outdoor Line-of-Sight Range: Up to 1 mile (1.6km)
- Transmit Power Output: 100mW (20dBm) EIRP
- Power-Down Current: <10μA
- Operating Frequency: 2.4GHz
- RF Data Rate: 250,000bps

RoHS Compliant



900MHZ

Development Kits

MOUSER STOCK NO.	Maxstream Part No.	Frequency	OTA Data Rate	Antenna	Connector	Temperature	Price Each
888-X09-009-DK	X09-009-DK	900 MHz - XStream	9600	RPSMA	RPSMA	0°C to +70°C	409.00
888-X09-019-DK	X09-019-DK	900 MHz - XStream	19200	RPSMA	RPSMA	0°C to +70°C	409.00
888-XT09-DK	XT09-DK	900Mhz - XTend	software setable	RPSMA/MMCX	RPSMA & MMCX	0°C to +70°C	499.00
888-XC09-009-DK	XC09-009-DK	900Mhz - XCite	9600	RPSMA	RPSMA	0°C to +70°C	149.00
888-XC09-038-DK	XC09-038-DK	900Mhz - XCite	38400	RPSMA	RPSMA	0°C to +70°C	149.00

OEM Modules

MOUSER STOCK NO.	Maxstream Part No.	Frequency	OTA Data Rate	Antenna	Connector	Temperature	Price Each
888-X09-009NSC	X09-009NSC	900 MHz - XStream	9600	No	RPSMA	0°C to +70°C	153.00
888-X09-019NSC	X09-019NSC	900 MHz - XStream	19200	No	RPSMA	0°C to +70°C	150.00
888-X09-009NMC	X09-009NMC	900 MHz - XStream	9600	No	MMCX	0°C to +70°C	123.76
888-X09-019NMC	X09-019NMC	900 MHz - XStream	19200	No	MMCX	0°C to +70°C	123.76
888-X09-009WNC	X09-009WNC	900 MHz - XStream	9600	Yes	3" Wire	0°C to +70°C	121.99
888-X09-019WNC	X09-019WNC	900 MHz - XStream	19200	Yes	3" Wire	0°C to +70°C	121.99
888-XT09-SI	XT09-SI	900MHz - XTend	Software Setable	No	RPSMA	0°C to +70°C	179.00
888-XT09-MI	XT09-MI	900MHz - XTend	Software Setable	No	MMCX	0°C to +70°C	179.00

PKG Product

MOUSER STOCK NO.	Maxstream Part No.	Frequency	OTA Data Rate	Interface	Accessories	Temperature	Price Each
888-X09-009PKC-RA	X09-009PKC-RA	900 MHz - XStream	9600	RS-232	Yes	0°C to +70°C	250.00
888-X09-019PKC-RA	X09-019PKC-RA	900 MHz - XStream	19200	RS-232	Yes	0°C to +70°C	250.00
888-X09-009PKC-UA	X09-009PKC-UA	900 MHz - XStream	9600	USB	Yes	0°C to +70°C	250.00
888-X09-019PKC-UA	X09-019PKC-UA	900 MHz - XStream	19200	USB	Yes	0°C to +70°C	250.00
888-XT09-PKI-RA	XT09-PKI-RA	900MHz - XTend	Software Setable	RS-232	Yes	-40°C to +85°C	299.00
888-XT09-PKI-RA	XT09-PKI-RA	900MHz - XTend	Software Setable	USB	Yes	-40°C to +85°C	299.00

Antennas

MOUSER STOCK NO.	Maxstream Part No.	Connector Type	Gain	Length	Material	Price Each
888-A09-HASM-675	A09-HASM-675	RPSMA male	2.1dBi	6"	Rubber	20.00
888-A09-HBMM-P5I	A09-HBMM-P5I	MMCX w/5" pigtail cable	2.1dBi	7"	Rubber	21.00

2.4GHZ

Development Kits

MOUSER STOCK NO.	Maxstream Part No.	Frequency	OTA Data Rate	Antenna	Connector	Temperature	Price Each
888-X09-009NSC	X24-019-DK	2.4 GHz - XStream	19200	RPSMA	RPSMA	0°C to +70°C	409.00
888-X09-019NSC	X24-009-DK	2.4 GHz - XStream	9600	RPSMA	RPSMA	0°C to +70°C	150.00
888-X09-009NMC	XB24-PDK	2.4GHz - XBee	256000	u.fl/chip/wire	u.fl	-40°C to +85°C	329.00
888-X09-019NMC	XB24-DKS	2.4GHz - XBee	256000	u.fl/chip/wire	u.fl	-40°C to +85°C	129.00
888-X09-009WNC	XBP24-DKS	2.4GHz - XBee	256000	u.fl/chip/wire	u.fl	-40°C to +85°C	179.00

OEM Modules

MOUSER STOCK NO.	Maxstream Part No.	Frequency	OTA Data Rate	Antenna	Connector	Temperature	Price Each
888-X24-009NSC	X24-009NSC	2.4 GHz - XStream	9600	No	RPSMA	0°C to +70°C	98.19
888-X24-019NSC	X24-019NSC	2.4 GHz - XStream	19200	No	RPSMA	0°C to +70°C	98.19
888-X24-009NMC	X24-009NMC	2.4 GHz - XStream	9600	No	MMCX	0°C to +70°C	96.20
888-X24-019NMC	X24-019NMC	2.4 GHz - XStream	19200	No	MMCX	0°C to +70°C	96.20
888-X24-009WNC	X24-009WNC	2.4 GHz - XStream	9600	Yes	3" Wire	0°C to +70°C	94.22
888-X24-019WNC	X24-019WNC	2.4 GHz - XStream	19200	Yes	3" Wire	0°C to +70°C	94.22
888-XB24-ACI-001	XB24-ACI-001	2.4Ghz XBee	256000	Yes	chip	-40°C to +85°C	22.50
888-XB24-AWI-001	XB24-AWI-001	2.4Ghz XBee	256000	Yes	wire	-40°C to +85°C	20.00
888-XB24-AUI-001	XB24-AUI-001	2.4Ghz XBee	256000	No	u.fl	-40°C to +85°C	22.50
888-XBP24-ACI-001	XBP24-ACI-001	2.4Ghz XBee-PRO	256000	Yes	chip	-40°C to +85°C	32.00
888-XBP24-AWI-001	XBP24-AWI-001	2.4Ghz XBee-PRO	256000	Yes	wire	-40°C to +85°C	32.00
888-XBP24-AUI-001	XBP24-AUI-001	2.4Ghz XBee-PRO	256000	No	u.fl	-40°C to +85°C	32.00

PKG Product

MOUSER STOCK NO.	Maxstream Part No.	Frequency	OTA Data Rate	Interface	Accessories	Temperature	Price Each
888-X24-009PKC-RA	X24-009PKC-RA	2.4 GHz - XStream	9600	RS-232	Yes	0°C to +70°C	198.00
888-X24-019PKC-RA	X24-019PKC-RA	2.4 GHz - XStream	19200	RS-232	Yes	0°C to +70°C	198.00
888-X24-009PKC-UA	X24-009PKC-UA	2.4 GHz - XStream	9600	USB	Yes	0°C to +70°C	198.00
888-X24-019PKC-UA	X24-019PKC-UA	2.4 GHz - XStream	19200	USB	Yes	0°C to +70°C	198.00
888-XBP24-PKI-001-RA	XBP24-PKI-001-RA	2.4Ghz XBee	256000	RS-232	Yes	-40°C to +85°C	147.04
888-XBP24-PKC-001-UA	XBP24-PKC-001-UA	2.4Ghz XBee	256000	USB	Yes	-40°C to +85°C	119.50

Antennas

MOUSER STOCK NO.	Maxstream Part No.	Connector Type	Gain	Length	Material	Price Each
888-A24-HASM-525	A24-HASM-525	RPSMA male	2.1dBi	6"	Rubber	20.00
888-A24-HABMM-P5I	A24-HABMM-P5I	MMCX w/5" pigtail cable	2.1dBi	7"	Rubber	21.00
888-A24-HASM-450	A24-HASM-450	RPSMA male	2.1dBi	4.5"	Rubber	6.00
888-A24-HABUF-P51	A24-HABUF-P5I	U.FL	2.1dBi	5"	Rubber	9.50
888-JF1R6-CR3-4I	JF1R6-CR3-4I	U.FL female to RPSMA female cable	n/a	4"	RG178 cable	4.55

PHOENIX CONTACT Wireless I/O Systems

PHŒNIX CONTACT
INSPIRING INNOVATIONS

900MHZ ONE-WAY WIRELESS SYSTEMS

With these unidirectional radio systems it is possible to record and safely transmit an analog and two digital sensor signals. With very simple installation, it is possible to collect signals where cables cannot be laid or can only be laid with great difficulty. In addition to point to point connections, the possibilities also exists of constructing multi-receiver systems. The sets include a receiver, transmitter, and antennas with connecting cable.

Features:

- 1 watt transmit power
- Interference free - Frequency Hopping Spread Sprectrum technology
- Licence free 902 - 928MHz Industrial, Scientific, and Medical (ISM) band
- Class I, Division 2 approved for hazardous area installation (UL, CUL and CSA approved)
- Temperature Range: -40°C to +70°C
- Easy to use, wire in - wire out, no setup or programming
- Range: 600 - 1000 ft in plant, no line of sight

MOUSER STOCK NO.	Phoenix Type	Fig.	Description	Price Each
651-2867102	RAD-ISM-900-SET-UD-ANT	A	24V DC set with one 4-20mA and 2 discrete signals. DIN rail mount	1397.00
651-2867021	RAD-ISM-900-SET-AC-UD	B	110-240V AC set with one 4-20mA and 2 discrete signals. Weatherproof NEMA 4X conduit mount transmitter , DIN rail mount receiver.	1477.00
651-2867034	RAD-ISM-900-SET-DC-UD	B	12-30V DC set for one 4-20mA and 2 discrete signals. Weatherproof NEMA 4X conduit mount transmitter , DIN rail mount receiver.	1397.00
651-2867047	RAD-ISM-900-RX	-	Spare Receiver to expand point to multipoint connections. DIN Rail mount	696.00

900MHZ TWO-WAY WIRELESS SYSTEMS WITH EXPANDABLE I/O OPTIONS

Besides duplex operation, the bi-directional radio system offers the possibility of lining up additional moudules for recording and outputting analog and digital signals. This unique design gives the user flexibility to add on multiple channels of I/O to the pared transceiveres in combinations. They are ideal for moving numerous signals within high interference enviornments without costly cable and conduit runs. The sets include a receiver, transmitter, and antennas with connecting cable.

Features:

- 1 watt transmit power
- Interference free - Frequency Hopping Spread Sprectrum technology
- Licence free 902 - 928MHz Industrial, Scientific, and Medical (ISM) band
- Range: 600 - 1000 ft in plant, no line of sight
- Class I, Division 2 approved for hazardous area installation (UL, CUL and CSA approved)
- Up to 8 expandable I/O modules per transceiver on common power
- Max 33 analog or 66 discrete signals in one direction
- Dry contact LINK diagnostic output
- Temperature Range: -40°C to +70°C

MOUSER STOCK NO.	Phoenix Type	Fig.	Description	Price Each
651-2867270	RAD-ISM-900-SET-BD-BUS-ANT	A	9-30V DC set with one 4-20mA in/out and 2 discrete signals in/out with bus connection for power and communicatrion. DIN Rail mount.	2637.00
651-2867092	RAD-ISM-900-BD-BUS	–	Device can be configured as a spare or as a repeater for long distance or heavily obstructed applications (requires HOPKEY for configuration)	1266.00
I/O Modules				
651-2867115	RAD-IN-4A-I	C	4 channel analog input module, 4mA - 20mA	369.00
651-2867128	RAD-OUT-4A-I	C	4 channel analog output module, 4mA - 20mA	411.00
651-2867144	RAD-IN-8D	C	8 channel digitial input module, 5-36V AC/DC	300.00
651-2867157	RAD-OUT-8D-REL	C	8 channel digital output module with relay, 120V AC, 5A rated contacts	358.00

2.4 GHZ POINT TO MULTIPOINT BLUETOOTH WIRELESS DATA

PSI BLUETOOTH CONVERTER

The PSI Bluetooth converter provides a quick and easy wireless connection between serial interfaces of RS-232, RS-422, and RS-485 2-wire standard. Data connections can be established to third party devices or the PSI Bluetooth RS-232 adapter. This module has been specifically designed to meet the requirements of industrial enviornments and supports operation without software drivers thanks to its full integrated protocol stacks.

Features:

- Din Rail Mount
- Supply of 24V DA or AC
- Transmission speeds of up to 187.5 kbps
- Integrated Bluetooth path diagnostics
- Class I, Division 2 approved for hazardous area installation (UL, CUL and CSA approved)
- Can be set to V.24(RS-232), RS-422, or RS-485
- Supports all popular 10/11-bit UART data formats
- Bluetooth access protected by password, fixed device pairing or device access list
- Scalable transmission power (-28dBm - +20 dBm)

MOUSER STOCK NO.	Phoenix Type	Fig.	Description	Price Each
651-2708517	PSI-WL-RS232-RS485/BT	D	Bluetooth converter for wireless RS 232, RS 422, & RS 485, MCX connection for external antenna	388.00

PSI BLUETOOTH RS-232 ADAPTER

The PSI Bluetooth V.24 (RS-232) adapter provides an easy wireless connection between devices with V.24(RS-232) interface or from devices with V.24(RS-232) interface to Bluetooth devices. Data connections can be established to the PSI Bluetooth Conveter or other third party devices. The adapter is connected directly to an operator interface or laptop and is immediately ready for operation. The user can switch over easily from one control system to another without installing any drivers.

Features:

- Direct connect to the interface
- Operation without software drivers
- Fully integrated protocol stacks
- Industrial supply with 5V DC
- Transmission speeds of up to 115.2 kbps
- Supports all popular 10/11-bit UART data formats
- Bluetooth access protected by password, fixed device pairing or device access list
- Multipoint-compatible with up to 3 servers

MOUSER STOCK NO.	Phoenix Type	Fig.	Description	Price Each
651-2708494	PSI-WL-PLUG-RS232/BT	E	232 Bluetooth adapter for direct mounting on 9-pos serial port, internal antenna, power supplied via USB/PS2 power adapter cable	183.00
651-2708025	PSM-VLTG-USB/PS2/0,5	-	USB/PS2 power adapter cable for Bluetooth RS-232 adapter, supplies approx. 5Vdc using the USB or PS2 port of a computer.	20.00

FL COM SERVER - SERIAL RS-232 DEVICE SERVER FOR 10/100BASE-T(X)

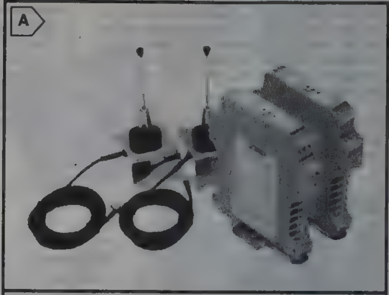
The FL COM SERVER converts a serial RS-232 interface to Ethernet. It allows easy integration of RS-232 devices into 10/100Base-T(X) networks.

Features:

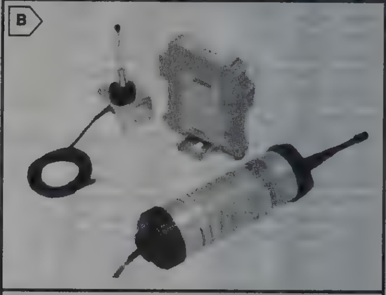
- Supports all common Network Protocols
- Diagnostic display
- Integrated surge voltage protection
- 10/100 Base T(X) Auto Detect
- Din Rail Mount
- 22.5 Housing width

MOUSER STOCK NO.	Phoenix Type	Fig.	Description	Price Each
651-2744490	FL COM SERVER RS232	F	Interface module to convert RS-232 to ethernet.	403.39

A

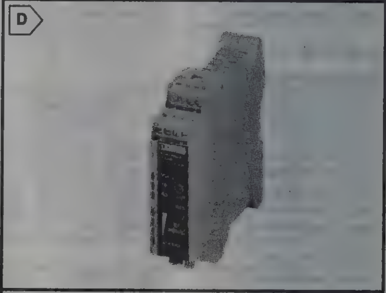


B



C

D



E

F

QUATECH Wireless Device Servers and Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

Quatech supplies high performance device networking and connectivity solutions. Quatech has achieved this high level of performance through quality design and manufacturing, and world-class service and support. Since 1983, Quatech has become well-known for quality by investing in meticulous design, valuable features and best-in-class components like PowerPC® microprocessor. Customers also enjoy responsive, U.S.-based support. We deliver expert pre- and post-sales, technical support and specialized customization services for both large and small projects. Quatech's products are used in a wide variety of markets including banking, retail, airports, medical, traffic control, access control and security.

QUATECH WIRELESS MODULES AIRBORNE™ EMBEDDED WIRELESS

AirborneTM is a line of highly integrated 802.11 modules. The wireless module includes a radio, a base-band processor, an application processor and software for a "drop-in" web-enabled WiFi solution. Since there's no need to develop the software, or to develop the RF and communications expertise in-house, OEM's can realize reduced product development costs and a quick time-tomarket. AirborneTM modules provide instant LAN and Internet connectivity, and connect through standard serial interfaces to a wide variety of applications.

RoHS Compliant

- Type: Device Server, except 600-WLNB-ET-DP101-G - Ethernet Bridge

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Quatech Part No.	Fig.	Description	Price Each		
				1	10	25
600-WLNB-AN-DP101-G	WLNB-AN-DP101-G	A	Universal interface to 802.11b Serial Module	109.06	93.01	89.81
600-WLNB-SE-DP101-G	WLNB-SE-DP101-G	A	RS-232/422/485 to 802.11b Serial Module	109.06	93.01	89.81
600-WLNB-EK-DP001-G	WLNB-EK-DP001-G	B	Universal interface to 802.11b Serial Module, Eval Kit, includes Wireless Access Point	485.00	421.65	411.92
600-WLNB-ET-DP101-G	WLNB-ET-DP101-G	A	Ethernet to 802.11b Module	109.06	93.01	89.81

QUATECH WIRELESS BOARDS

When you need unmatched performance, ease of use and reliability, ask for Quatech.
Quatech features the highest throughout and lowest latency available in device server technology.

Features:

- Includes the fastest and easiest Installation Wizard available
- A built-in Web server makes configuration and support available via Web browser
- Freescale™ architecture is the industry standard in networking solutions
- PowerPC® processor eliminates data bottlenecks and common latency issues
- Serial baud rates to 921 kbps and autonegotiating 10/100 Ethernet support means fast serial and network data transfers
- Operating modes such as serial tunneling, IP multicast, virtual COM ports and other protocols provide true flexibility and easy integration

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Quatech Part No.	Fig.	Description	Price Each		
				1	10	25
600-SSE-100D-EMB	SSE-100D-EMB	C	Board & Cable, 1 port RS-232, surge suppression	163.20	158.00	152.81
600-DSE-100D-EMB	DSE-100D-EMB	C	Board & Cable, 2 port RS-232, surge suppression	215.01	208.16	201.32

QUATECH EXTERNAL WIRELESS DEVICE SERVERS AIRBORNEDIRECT™

AirborneDirectTM is a family of fully integrated 802.11 wireless LAN device server products designed to provide wireless LAN and Internet connectivity to transportation, medical, warehouse logistics, POS, industrial, military and scientific applications. The highly integrated hardware and software enables plug-and-play capability. This significantly reduces the complexity of wireless system deployment and network connectivity. Integrating AirborneDirectTM with existing OEM platforms can significantly enhance the product's value and functionality giving the OEM a competitive advantage.

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Quatech Part No.	Fig.	Description	Price Each		
				1	10	25
600-ABDB-SE-DP101-G	ABDB-SE-DP101-G	---	1 port RS-232/422/485 (DB-9) to 802.11b	202.80	177.45	171.11
600-ABDB-SE-DP107-G	ABDB-SE-DP107-G	---	1 port RS-232 (DB-9) to 802.11b, powered by host device via serial	192.16	168.14	189.74
600-ABEB-SE-DP101-G	ABEB-SE-DP101-G	---	1 port RS-232/422/485 (DB-9) to 802.11b, Eval Kit, includes Wireless Access Point	259.47	242.73	212.60

QUATECH EXTERNAL WIRELESS ETHERNET BRIDGES AIRBORNEDIRECT™

Integrating AirborneDirectTM with existing OEM platforms can significantly enhance the product's value and functionality giving the OEM a competitive advantage. The Evaluation & Design Kit provides software and utilities that allow a developer to quickly and easily operate and evaluate the Bridge.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Quatech Part No.	Fig.	Description	Price Each		
				1	10	25
600-ABDB-ET-DP101	ABDB-ET-DP101	D	Ethernet to 802.11b Adapter	192.16	168.14	162.13
600-ABEB-ET-DP101	ABEB-ET-DP101	D	Ethernet to 802.11b Adapter, Eval Kit, includes Wireless Access Point	259.47	242.73	212.60

QUATECH EXTERNAL WIRELESS DEVICE SERVERS - PREMIUM

All Quatech Wireless Device Servers offer a simple, integrated configuration process and the embedded 802.11b wireless radio from DPAC offers superior power and receive sensitivity. Combined with the industry's best processor, a PowerPC® from Freescale™, these models incorporate a world-class architecture that ensures compatibility with market-leading wireless infrastructures, boosts throughput and reduces latency to the lowest levels possible. This allows a broader range of serial devices to communicate over a wireless Ethernet network without modifying host software designed to use COM ports.

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Quatech Part No.	Fig.	Description	Price Each		
				1	10	25
600-SSEW-100D	SSEW-100D	---	1 port RS-232 (DB-9), 802.11b	323.81	313.50	303.19
600-SSEW-100D-SS	SSEW-100D-SS	---	1 port RS-232 (DB-9), 802.11b, surge suppression	332.45	321.86	311.27

QUATECH EXTERNAL DEVICE SERVERS

Quatech's serial device servers are featuring a PowerPC® from Freescale™ (formerly Motorola® Semiconductor). This processor is part of a world-class architecture that offers the lowest latency available anywhere. In addition, the auto-sensing 10/100 Ethernet interface, and Quatech's proven high-speed, 921k-baud serial technology offer the best performance in the industry and ensure that your critical business applications won't be harmed by data throughput issues.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Quatech Part No.	Fig.	Description	Price Each		
				1	10	25
600-SSE-100D	SSE-100D	E	1 port RS-232 (DB-9)	215.88	209.00	202.13
600-SSE-400D	SSE-400D	E	1 port RS-232/422/485 (DB-9)	237.46	229.90	222.34

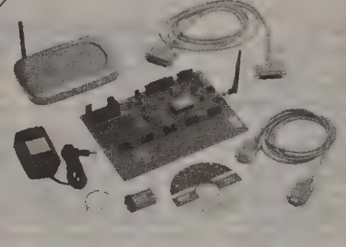
QUATECH ACCESSORIES - ANTENNAS

For quantities of 50 and up, call for quote.

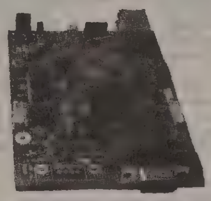
600-ACH2-AT-DP002	ACH2-AT-DP002	---	2Dbl Portable (Rubber duck) (RP-SMA)	10.69	8.08	12.50
600-ACH2-AT-DP003	ACH2-AT-DP003	F	5Dbl Portable (Rubber duck) (RP-SMA)	12.38	9.51	14.48
600-ACH2-AT-DP004	ACH2-AT-DP004	---	5Dbl Portable (Rubber duck), Flying Lead (U.FL)	13.39	10.11	15.66
600-ACH2-AT-DP011	ACH2-AT-DP011	---	5dBi Magnetic mount vehicle, Indoor / Outdoor	38.64	38.09	35.54
600-ACH0-CA-DP004	ACH0-CA-DP004	---	Adapter Cable, RP-SMA (Jack) to U.FL (Plug), 100mm, Indoor/Outdoor	11.70	8.99	13.69

A

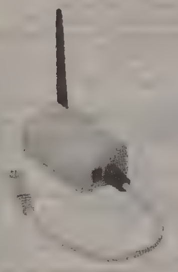
B



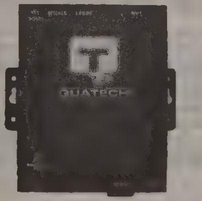
C



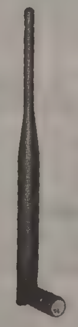
D



E



F



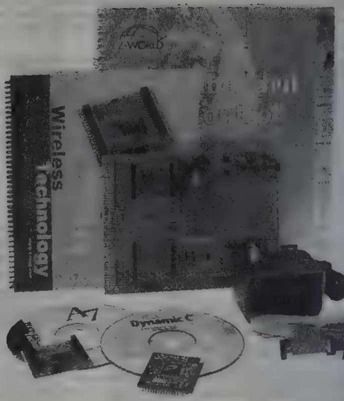
RABBIT Wireless Application Kits

BLUETOOTH RADIO MODULE APPLICATION KIT

Bluetooth Application Kit The Bluetooth Application Kit provides all of the hardware and software necessary to develop a Bluetooth application. The Application Kit includes an RCM3100, EmbeddedBlue eb506-AHC-IN Bluetooth Radio Module, prototyping board, and miscellaneous cables and hardware. The Application Kit also includes the Dynamic C Integrated Development Environment, Bluetooth drivers, libraries, sample programs, and manuals.

Features and Benefits:

- Bluetooth radio modules plug directly into supported RCMs and SBCs
- Simple serial UART communications and control
- Seamless connectivity with any Bluetooth device
- 2.4 GHz FHSS (Frequency Hopping Spread Spectrum) technology ensures high reliability and is robust to interference
- Low current consumption for long battery life
- Complete with sample applications and source code
- Internal Surface-mount antenna.



Features	EmbeddedBlue eb506-ACH-IN
Transmit Power	4dBm (max) class 2 operation
Open Field Range	More than 50 meters (164 feet)
Receiver Sensitivity	-85dBm
Operating Temperature	0° to 70° C
Supply Power	3.3 VDC
Interfaces	3.3 V logic level UART Baud rate: 9.6 k – 230.4 k
Connectors	Two 17-pin 2 mm headers
Antenna	Internal surface mount
Bluetooth Support	Version 1.2 compliant (L2CAP, RFCOMM, SDP, SPP)
Firmware	Upgradeable via PC application

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-1040	Bluetooth Application Kit	339.00

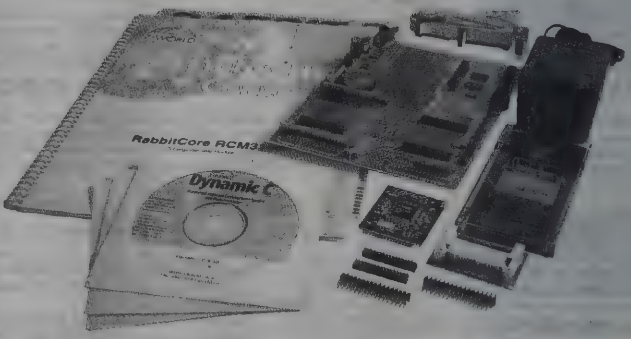
WI-FI (802.11B) APPLICATION KIT

Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system. Wireless connectivity eliminates Ethernet cables allowing for greater flexibility and mobility of wireless embedded Networks.

Z-World's Wi-Fi Applications Kit provides all the tools necessary to sample and design communications from a Rabbit-based device to a WiFi-enabled device (i.e. PC Laptop or any device using a Compact Flash based Wi-Fi card). The libraries and sample programs allow for a Wi-Fi card to send and receive data to/from a RabbitCore module (RCM) over a wireless connection. The RCM can also send/receive email from any PC or device with a compatible Wi-Fi card. The Wi-Fi Applications Kit includes Z-World's Dynamic C software with royalty-free TCP/IP stack.

Features and Benefits:

- Kit developed w/ LinkSys WCF12 Wi-Fi Card
- Other compatible Wi-Fi cards are Sandisk, Netgear, SMC, and D-Link
- Seamless connectivity with any Bluetooth device
- 2.4 GHz FHSS (Frequency Hopping Spread Spectrum) technology ensures high reliability and is robust to interference
- Low current consumption for long battery life
- Complete with sample applications and source code
- Internal Surface-mount antenna.



Features	Wi-Fi Application Kit
Microprocessor Core Module	RCM3100 RabbitCore module @ 29.4 MHz
Prototyping Board	Standard RCM3100 Prototyping Board
Serial Ports	RS-232 (2 3-wire or 1 5-wire). Additional CMOS ports available on RCM3100
Protocol	IEEE 802.11b (Wi-Fi) 11Mbps, 2.4 GHz
Compact Flash Connector	Type 1 Compact Flash Adapter: I/O CF based 802.11b Dual 2 x 17, 0.1" pitch socket strip
Software Compiler	Dynamic C with TCP/IP stack

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-0911	Wi-Fi (802.11b) Application Kit	599.00
694	101-0997	Wi-Fi add on Kit for RCM3000-3360	199.00
694	101-0998	Wi-Fi add on Kit for RCM3400	199.00
694	101-0999	Wi-Fi add on Kit for RCM3600-3700	199.00
694	101-1000	Wi-Fi add on Kit for PowerCore Flex	199.00

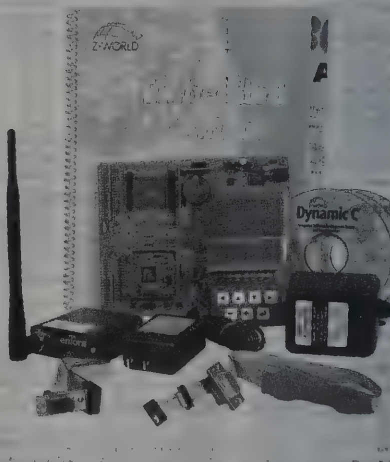
GPRS/GSM APPLICATION KIT

Cell phones are not the only devices that can communicate in a GSM network –a Rabbit-based control device is also on the list. Imagine your machines notifying you when they need servicing change settings from anywhere in the world upload data wirelessly send commands from one machine to another receive vehicle location/conditions via e-mail.

Z-World's GPRS/GSM Application Kit provides all the tools necessary to sample and develop applications that combine a Rabbit-based control device with a GSM/GPRS modem. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore module (RCM) that can interpret messages as commands and in turn execute control functions. The RCM can also send/receive GPRS e-mail wirelessly to/from any PC, GSM device, or cell phone. The LCD/keypad module included in the GPRS/GSM Application Kit incorporates a menu system that provides for an easy interface to read or send text messages and e-mail.

Features and Benefits:

- Hardware/Software for wireless RCM communication and control via GPRS/GSM.
- EnforaTM Spider SA-GL Quad Band wireless modem and antenna.
- GUI and Keypad configuration menu system.
- Royalty-free TCP/IP stack in source code.
- Sample programs/libraries for generic modem operation.
- Fully integrated development software: compiler, editor, and debugger for control applications.



Features	GPRS/GSM Application Kit
Microprocessor Core Module	RCM3100 RabbitCore module @29.4MHz
Prototyping Board	Standard RCM3100 Prototyping Board
Serial Ports	6 CMOS-compatible ports available on RCM3100
Display	122 x 32 Keypad/Display Unit with LCD menu system
GSM Modem	Enfora Spider SA-GL Quad Band GSM/GPRS modem
Antenna	1/2 Wave Device R/A Antenna. (1850-1990 MHz)
SIM Card (Sold separately)	Available through wireless service provider or AIRDESK
Software Compiler	Dynamic CTM with TCP/IP stack
Software Libraries	GPRS/SMS modes, Modem-specific Library
Additional Libraries	Dynamic C PPP module, Generic Modem Library
Sample Programs	For SMS and GPRS communications and control. FTP datalogging,TCP/IP, SMTP, POP3, Telnet
Menuing System	For display of SMS and GPRS communications
Power Supplies	12VDC adapter for RCM3100, 5V DC for Enfora Modem

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-0948	GPRS/GSM Application Kit	649.00

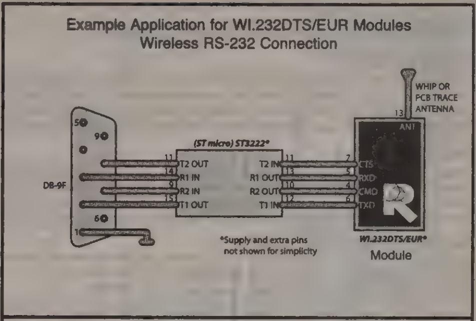
RADIOTRONIX Embedded Wireless Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

WI.232DTS/EUR UART-TO-RF EMBEDDED WIRELESS MODULES

The Wi.232DTS/EUR module combines a state-of-the art low power wireless transceiver with a powerful multipoint-to-multipoint protocol controller to form a transparent wireless communication solution capable of replacing wires in any RS-232/422/485 application. With a 120dB link budget and very low power operating modes, the Wi.232DTS/EUR module is excellent for AMR, RFID, Home Automation, and any other application requiring long range (<1500ft LOS) and long battery life . The Wi.232DTS module is designed for North American operation in the 902-928 MHz band. The Wi.232EUR module is designed for European operation in the 868-870 MHz band.

Wi.232DTS/EUR Module


Example Application for WI.232DTS/EUR Modules
Wireless RS-232 Connection
DB-9F
5
9
6
1
(ST micro) ST3222*
11 T2 OUT
14 R1 IN
9 R2 IN
15 T1 OUT
T2 IN 11
R1 OUT 13
R2 OUT 10
T1 IN 12
7 CTS
5 RXD
4 CMD
6 TXD
ANT
13
WHIP OR PCB TRACE ANTENNA
*Supply and extra pins not shown for simplicity
WI.232DTS/EUR*
Module

WI.232DTS/EUR EVALUATION MODULES

EVMs were created as an easy-to-use prototyping tool for our Wi. family of surface mount modules. Each EVM is populated with the appropriate module, a LDO regulator, a SMA connector, and two pinned headers. Customers can prototype with these modules without having to be concerned with RF specific design considerations. Therefore, these modules are ideal for hobbyists or engineers that need to get a quick proof of concept prototype working. To properly evaluate the range performance of the modules, Radiotronix does recommend the use of our RAD kits.

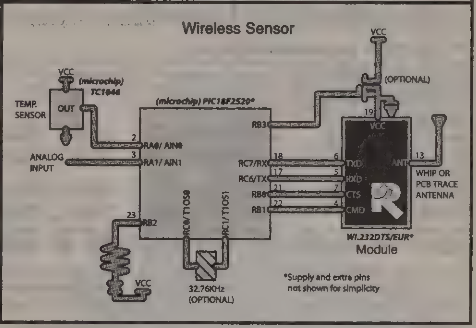
WI.232DTS/EUR DEVELOPMENT KITS (RAD)

The RAD kit for the Wi.232DTS/EUR modules is designed to support rapid evaluation and development using the modules. The RAD boards have both USB and RS-232 interfaces. All module pins are brought to a prototyping header. A prototyping area is provided. The boards are powered from either three on-board AAA batteries, or an external wall transformer. Software is provided to simplify evaluation/testing of the modules. Wi.232 kits support putting one board in loop-back mode for range testing.

Development Kit Contents:
Qty 2 - RAD boards
Qty 2 – EVM populated with the appropriate modules
Qty 2 – Whip antennas
Qty 2 – RS-232 cables
Qty 2 – USB cables
Qty 1 – Documentation/Software CD
Qty 6 – AAA batteries

WI.232DTS/EUR Modules Features:

- Small Size - .8"x.935"x.08"
- PHY/ MAC layer protocol built in
- CSMA medium access control
- Channel quality of service indicator
- 114 dB link budget in DTS mode
- 5 volt tolerant I/O
- Data encryption/ encoding for PGP
- 16 bit CRC data checking
- True UART to RF solution
- Range up to 1500ft Line of Sight
- Data Rate up to 152.34 kBps


Wireless Sensor
VCC
(microchip) TC1046
TEMP. SENSOR
OUT
(microchip) PIC18F2520*
2 RA0/ AIN0
3 RA1/ AIN1
ANALOG INPUT
23 RB2
VCC
RC0/T1OSO
RC1/T1OSI
32.76KHz (OPTIONAL)
RB3
RC7/RX 18
RC6/TX 17
RB0 21
RB1 22
VCC
(OPTIONAL)
19
VCC
6 TXD
5 RXD
7 CTS
4 CMD
ANT
13
WHIP OR PCB TRACE ANTENNA
WI.232DTS/EUR*
Module
*Supply and extra pins not shown for simplicity

WI.232DTS/EUR Development Kits

MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each
509-RK-WI232DTS	RK-Wi.232DTS	902-928	Wi.232DTS Rapid Development Kit	249.00
509-RK-WI232EUR	RK-Wi.232EUR	868-870	Wi.232EUR Rapid Development Kit	249.00

WI.232DTS/EUR Embedded Modules

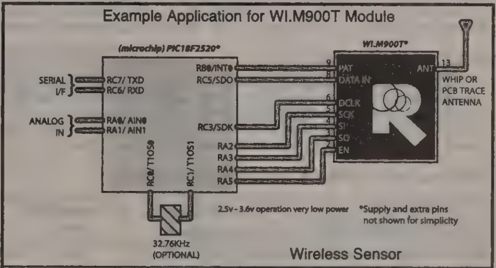
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each 1	10	25	100
900 MHZ - North America							
509-WI232DTS-R	Wi.232DTS-R	902-928	Wi.232 DTS Embedded Wireless Module	25.76	24.93	24.15	22.99
509-WI232DTS-EVM-R	Wi.232DTS-EVM-R	902-928	Wi.232DTS Evaluation Module - Pre-Mounted Wi.232DTS Module for Rapid Prototyping and Low Volume	31.87	30.85	29.88	28.45
868 MHZ - Europe							
509-WI232EUR-RS	Wi.232EUR-R	868-870	Wi.232 EUR Embedded Wireless Module (RoHS)	25.76	24.93	24.15	22.99
509-WI232EUR-EVM-RS	Wi.232EUR-EVM-R	868-870	Wi.232EUR Evaluation Module - Pre-Mounted Wi.232DTS Module for Rapid Prototyping and Low Volume (RoHS)	31.87	30.85	29.88	28.45

WI.M900/868 RF-ONLY DROP-IN EMBEDDED WIRELESS MODULES

The Wi.M series of modules are microcontroller-less variations of the popular Wi.232 family of modules. They offer the same excellent RF performance, yet allow the design engineer to control the radio at the physical level using any microcontroller. They are an excellent choice when product cost is a critical issue or when support of legacy protocols is required. The modules in the family are footprint compatible with the entire Wi.module family. This gives the designer a level of flexibility not offered by others. Additional, the Wi.M family of modules are all factory calibrated and the calibration constants are stored in non-volatile memory on the module. By using these constants, the designer can calibrate the module in software, eliminating the need for RF testing in production. A typical circuit consists of a low-cost microcontroller, a power source, a Wi.M900X module, and an antenna. The Wi.M modules are designed to work with any microcontroller that is equipped with a hardware or software SPI port, including Microchip microcontrollers, Rabbit microcontrollers and core modules, BASIC stamps, NETBURNER core modules, and many others.

Wi.M900/868 Module


Example Application for WI.M900T Module
(microchip) PIC18F2520*
SERIAL I/F
RC7/ TXD
RC6/ RXD
ANALOG IN
RA0/ AIN0
RA1/ AIN1
RC0/T1OSO
RC1/T1OSI
32.76KHz (OPTIONAL)
RB0/INT0
RC5/SDO
RC3/SDK
RA2
RA3
RA4
RA5
WI.M900T*
9 PAT
8 DATA IN
6 DCLK
5 SCK
4 SI
3 SO
2 EN
ANT
13
WHIP OR PCB TRACE ANTENNA
2.5v - 3.6v operation very low power
*Supply and extra pins not shown for simplicity
Wireless Sensor

WI.M900/868 EVALUATION MODULES

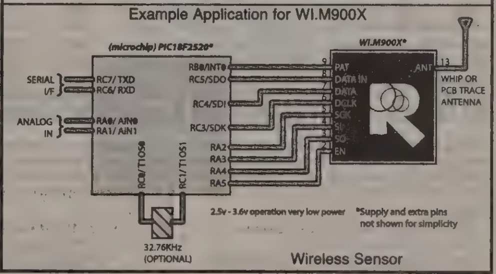
EVMs were created as an easy-to-use prototyping tool for our Wi. family of surface mount modules. Each EVM is populated with the appropriate module, a LDO regulator, a SMA connector, and two pinned headers. Customers can prototype with these modules without having to be concerned with RF specific design considerations. Therefore, these modules are ideal for hobbyists or engineers that need to get a quick proof of concept prototype working. To properly evaluate the range performance of the modules, Radiotronix does recommend the use of our RAD kits.

WI.M900/868 DEVELOPMENT KITS (RAD)

The RAD kit for the Wi.232DTS/EUR modules is designed to support rapid evaluation and development using the modules. The RAD boards have both USB and RS-232 interfaces. All module pins are brought to a prototyping header. A prototyping area is provided. The boards are powered from either three on-board AAA batteries, or an external wall transformer. Software is provided to simplify evaluation/testing of the modules. Wi.232 kits support putting one board in loop-back mode for range testing.

WI.232DTS/EUR Modules Features:

- Small Size - .8"x.935"x.08"
- PHY/ MAC layer protocol built in
- CSMA medium access control
- Channel quality of service indicator
- 114 dB link budget in DTS mode
- 5 volt tolerant I/O
- Data encryption/ encoding for PGP
- 16 bit CRC data checking
- True UART to RF solution
- Range up to 1500ft Line of Sight
- Data Rate up to 152.34 kBps


Example Application for WI.M900X
(microchip) PIC18F2520*
SERIAL I/F
RC7/ TXD
RC6/ RXD
ANALOG IN
RA0/ AIN0
RA1/ AIN1
RC0/T1OSO
RC1/T1OSI
32.76KHz (OPTIONAL)
RB0/INT0
RC5/SDO
RC4/SDI
RC3/SDK
RA2
RA3
RA4
RA5
WI.M900X*
9 PAT
8 DATA IN
7 DATA
6 DCLK
5 SCK
4 SI
3 SO
2 EN
ANT
13
WHIP OR PCB TRACE ANTENNA
2.5v - 3.6v operation very low power
*Supply and extra pins not shown for simplicity
Wireless Sensor

WI.M900X/WI.M868X Development Kits

MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each
509-RK-WIM900X	RK-Wi.M900X	902-928	Wi.M900X Rapid Development Kit	249.00
509-RK-WIM868X	RK-Wi.M868X	868-870	Wi.M868X Rapid Development Kit	249.00

Development Kit Contents:
Qty 2 - RAD boards
Qty 2 – EVM populated with the appropriate modules
Qty 2 – Whip antennas
Qty 2 – RS-232 cables
Qty 2 – RS-232 cables
Qty 2 – USB cables
Qty 1 – Documentation/Software CD
Qty 6 – AAA batteries

WI.M900X/WI.M868X Embedded Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each 1	10	25	100
900 MHZ - North America							
509-WIM900T	Wi.M900T	902-928	Transmitter Only Version of Wi.232DTS Module (Requires a MCU)	14.49	14.03	13.58	12.94
509-WIM900X	Wi.M900X	902-928	Transceiver Module of Wi.232DTS (Requires a MCU)	21.30	19.60	18.05	17.30
509-WIM900X-EVM	Wi.M900X-EVM	902-928	Wi.M900X Evaluation Module - Pre-Mounted Wi.M900X Module for Rapid Prototyping and Low Volume	39.95	38.25	36.86	33.92
868 MHZ - Europe							
509-WIM868T-RS	Wi.M868T-R	868-870	Transmitter Only Version of Wi.232EUR Module (Requires a MCU) (RoHS)	16.99	15.63	14.38	13.23
509-WIM868X-RS	Wi.M868X-R	868-870	Transceiver Module of Wi.232EUR (Requires a MCU) (RoHS)	16.55	15.23	14.01	12.89
509-WIM868X-EVM-RS	Wi.M868X-EVM-R	868-870	Wi.M868X Evaluation Module - Pre-Mounted Wi.M868X Module for Rapid Prototyping and Low Volume (RoHS)	43.56	40.08	36.86	33.92

RADIOTRONIX Embedded Wireless Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

RADIOTRONIX™
life without wires

WI.232FHSS-25/250 FREQUENCY HOPPING EMBEDDED WIRELESS MODULES

WI.232FHSS-25

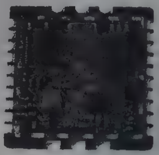
The Wi.232FHSS-25 module combines a state-of-the art low power wireless transceiver with a powerful multipoint-to-multipoint frequency protocol controller to form a complete wireless communication solution. With a simple UART interface, a 111dB link budget, and very low power operation modes the Wi.232FHSS-25 module is excellent for AMR, RFID, Home Automation, and any other application requiring long range (< 1500 feet, line of sight) and long battery life.

WI.232FHSS-250

The Wi.232FHSS-250 module combines a state-of-the art low power wireless transceiver with a powerful multipoint-to-multipoint frequency protocol controller to form a complete wireless communication solution. With a simple UART interface, a 125dB link budget, and very low power operation modes the Wi.232FHSS-250 module is excellent for AMR, RFID, Home Automation, and any other application requiring long range (7 miles LOS, 1500 feet indoors) and long battery life.

Features:
- Frequency Hopping Spread Spectrum
- 30mW TX and 250 mW TX versions
- No RF PCB Layout Necessary
- Pick and Place compatible package
- 2.7 - 3.6V power supply
- Channels: 32
- Transparent and Networking modes
- Small size: 0.8"x.935"x.08" thick for Wi.232FHSS-25
  1.25"x1.25"x .08" thick for Wi.232FHSS-250
- Hopping sequences: 6
- Max Data Rate: 115 kbps
- Temperature Range: -20° to +70°C
- Max RX Sensitivity: -104dBm

Development Kit Contents:
Qty 2 –RAD boards
Qty 2 – EVM populated with
the appropriate modules
Qty 2 – Whip antennas
Qty 2 – RS-232 cables
Qty 2 – USB cables
Qty 1 – Documentation/Software CD
Qty 6 – AAA batteries



Wi232FHSS-250
Illustrated

WI.232FHSS Development Kits

MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each
509-RK-WI232FHSS-25	RK-Wi.232FHSS-25	902-928	Wi.232FHSS-25 Rapid Development Kit	249.00
509-RK-WI232FHSS-250	RK-Wi.232FHSS-250	902-928	Wi.232FHSS-250 Rapid Development Kit	249.00

WI.232FHSS Embedded Modules

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each		
				1	10	25
25mW Transmit						
509-WI232FHSS-25	Wi.232FHSS-25	902-928	25mW Wi.232DTS Frequency Hopping Transceiver	36.01	33.13	30.47
509-232FHSS-25-EVM	Wi.232FHSS-25-EVM	902-928	Wi.232FHSS-25 Evaluation Module	47.62	43.81	40.29
250mW Transmit						
509-WI232FHSS-250	Wi.232FHSS-250	902-928	250mW Wi.232DTS Frequency Hopping Transceiver	43.66	40.17	36.94
509-232FHSS-250-EVM	Wi.232FHSS-250-EVM	902-928	Wi.232FHSS-250 Evaluation Module	53.36	49.09	45.15

FCC PRE-APPROVED UART-TO-RF EMBEDDED WIRELESS MODULES

The FCC-Wi.232DTS/FHSS features our powerful and popular Wi.232DTS/FHSS modules in a FCC modular approved solution. It is designed to greatly simplify implementation of the Wi.232DTS module into a working design without the complications of FCC testing.

Features:
- FCC modular approved
- FCC ID: Q7V-3F090003X
- Temperature Range: -20° to +70°C
- Through-Hole/ Socket Mounting
- 4.5-16VDC Supply Voltage
- RP-SMA Antenna Connection
- Data Rate: 152.34 kbit/sec.
- Size: 1.5" x 1.25"
- 24Pin DIP Package

Applications:
- Remote Control
- Wire Replacement
- Automated Meter Reading
- Industrial Automation
- Medical
- Security
- Home Automation
- HVAC

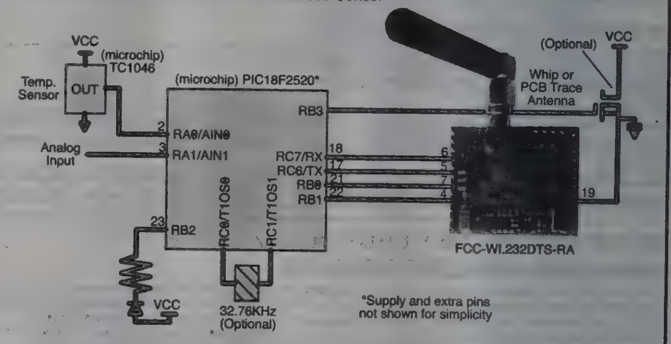
Wi.232DTS-FCC

The Wi.232DTS-FCC module is a pre-certified version of the Wi.232DTS-EVM module. It is certified for use in the US and requires no FCC testing when used with any of the Radiotronix antennas. The only physical difference between the Wi.232DTS-EVM and the Wi.232DTS-FCC is that the antenna connector on the FCC version is a reverse polarity SMA. The module requires a 3.6 - 9V power supply capable of supplying 175mA continuously.

Wi.232FHSS-250-FCC

The Wi.232FHSS-250-FCC module is a pre-certified version of the Wi.232FHSS-250-EVM module. It is certified for use in the US and requires no FCC testing when used with any of the Radiotronix antennas. The only physical difference between the Wi.232FHSS-250-EVM and the Wi.232FHSS-250-FCC is that the antenna connector on the FCC version is a reverse polarity SMA. The module requires a 3.6 - 9V power supply capable of supplying 175mA continuously.

Typical Circuit
Wireless Sensor



*Supply and extra pins not shown for simplicity

FCC-WI.232DTS/ FHSS Embedded Modules

For quantities of 100 and up, call for quote.

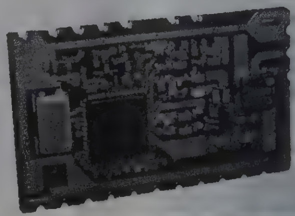
MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each		
				1	10	25
509-FCC-WI232DTS-ST	WI.232DTS-FCC-ST-R	915	FCC Pre-approved Wi.232DTS Module with Vertical RP-SMA Antenna Jack	56.37	51.86	47.70
509-FCC-WI232DTS-RA	WI.232DTS-FCC-RA	915	FCC Pre-approved Wi.232DTS Module with Right Angle RP-SMA Antenna Jack	45.00	41.00	37.50
509-FHSS-25-FCC-ST	WI.232FHSS-25-FCC-ST	915	FCC Pre-approved 25mW Wi.232FHSS Module with Vertical RP-SMA Antenna Jack	59.25	53.99	49.07
509-FHSS-25-FCC-RA	WI.232FHSS-25-FCC-RA	915	FCC Pre-approved 25mW Wi.232FHSS Module with Right Angle RP-SMA Antenna Jack	59.25	53.99	49.07
509-FHSS-250-FCC-ST	WI.232FHSS-250-FCC-ST	915	FCC Pre-approved 250mW Wi.232FHSS Module with Vertical RP-SMA Antenna Jack	67.29	61.91	56.94
509-FHSS-250-FCC-RA	WI.232FHSS-250-FCC-RA	915	FCC Pre-approved 250mW Wi.232FHSS Module with Right Angle RP-SMA Antenna Jack	67.29	61.91	56.94

WI.M900X-DP/WI.M868X-DP EMBEDDED WIRELESS MODULES

The Wi.M900X-DP/ WI.M868X-DP module is a microcontroller-less version of our popular Wi.232DTS/EUR module. It is a drop replacement for the DP1203 from Xemics. It offers the same excellent RF performance, yet allows the design engineer to control the radio at the physical level using any microcontroller. The module supports two modes of operation: wide-band and narrow-band. In wide-band mode, the channel width is 600kHz and in narrow-band mode the channel width is 200kHz. The module is configured via a simple SPI style serial interface. Data is transmitted and received using a separate digital serial interface that includes pre-amble and start of packet detection. A typical circuit consists of a low-cost microcontroller, a power source, a Wi.M900X-DP/ Wi.M868X-DP module and an antenna.

Features:
- Based on the Xemics XE1203F transceiver
- Drop in replacement for DPI 203
- Instant physical radio solution - no external RF components required
- Supports frequency hopping
- Simple FCC certification as digital spread spectrum device
- Automatic packet start detection
- 2.4 - 3.6 volt operation
- 1.2 - 152.34 k/bit sec. data rate
- A SPI style digital serial interface
- Small size (.8"x .935"x .08" thick)
- Maximum output power = +15 dBm
- Maximum RF sensitivity = 1 12 dBm
- RF sensitivity @ max data rate = -103 dBm typ
- TX current = 52 mA @ 15 dBm typ.
- RX current = 12 - 13 mA typ.
- Sleep current = 0.2 ÌA typ.

Development Kit Contents:
Qty 2 – RAD boards
Qty 2 – EVM populated with
the appropriate modules
Qty 2 – Whip antennas
Qty 2 – RS-232 cables
Qty 2 – USB cables
Qty 1 – Documentation/Software CD
Qty 6 – AAA batteries



WI.M900X-DP/ WI.M868X-DP Development Kits

MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each
509-RK-WIM900X-DP	RK-Wi.M900X-DP	902-928	Wi.M900X-DP Rapid Development Kit	249.00
509-RK-WIM868X-DP	RK-Wi.M868X-DP	868-870	Wi.M868X-DP Rapid Development Kit	249.00

WI.M900X-DP/ WI.M868X-DP Embedded Modules

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part Number	Frequency (MHz)	Description	Price Each			
				1	10	25	100
509-WIM900X-DP	Wi.M900X-DP	902-928	Wi.M900X-DP Drop-in Embedded Wireless Module (North America)	23.81	21.91	20.15	18.54
509-WIM868X-DP-RS	Wi.M868X-DP-R	868-870	Wi.M868X-DP Drop-in Embedded Wireless Module (Europe) (RoHS)	23.81	21.91	20.15	18.54

RADIOTRONIX Embedded Wireless Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

WI.FREESTAR ZIGBEE READY MODULES

Long Range Zigbee Performance:
The Wi.FreeStar module is designed around the MC13192 RF transceiver from Freescale™, which based on the IEEE802.15.4 standard. The Wi.FreeStar modules is ideally suited for use in a point to point/multipoint networks or in a ZigBee™ mesh applications. The module provides enhanced range performance over standard 802.15.4 or ZigBee implementations with an integrated 100mW power amplifier, allowing the module to communicate over 4000 feet line of sight.

Partnering with L.S. Research:
Radiotronix has worked closely with LS Research, a leading Zigbee technology company, in the development of these modules. This alliance combines the RF design and manufacturing expertise of Radiotronix with the extensive Zigbee design skill sets and FCC compliance capability of LS Research to provide customers with a great new product, strong support channel, and a flexible design platform.

Star or ZigBee™ Mesh:
The Wi.FreeStar module uses the MC13192 for the LSR Star protocol and is upgradeable to use the Freescale Bee-Stack™ ZigBee solution. The module includes the MC9S08GT60CFD uP, 100mW power amplifier, power supply, & an inverted-F PCB antenna. The module is FCC and CE certified for fast and simple integration into an end application. Radiotronix can provide product modification to accommodate specific application requirements. The Wi.FreeStar module provide the lowest cost, best in class range in a small form factor.

Features:
- Communications Modes: - Point-to-point
  - Point-to-multipoint
  - Mesh (Z-Star only)
- 4000+ feet line of sight performance
- Very small form factor 1.4" X 1.0"
- Integrated PCB Trace Antenna
- FCC, IC, and CE Certified
- Direct Sequence Spread Spectrum
- CSMA-CA
- Wireless boot loader
- Flash-based/upgradeable
- 10 Bit A/D (2 inputs)
- General Purpose I/O (8 ports)
- Microsoft® Windows®-based Configuration & Test Tool
- Simple Serial UART Interface
- Over 65,000 network addresses

RoHS Compliant

RADIOTRONIX
FCC ID: TFB-FreeStar
IC: 5969A-FREESTAR
Model: WI.FS24-100ST
CE
FC

MOUSER STOCK NO.	Radiotronix Part Number	Description	Price Each			
			1	10	25	100
509-WI.FS24-100ST	WI.FS24-100ST	Long range Zigbee module	29.99	28.87	27.74	26.54
509-RK-WI.FS24-100ST	RK-WI.FS24-100ST	Long range Zigbee module evaluation kit	249.00	-	-	-

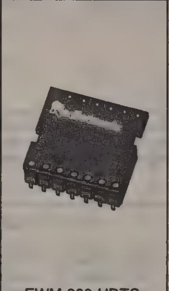
EWD-900-HDTC MODULE (DATA)

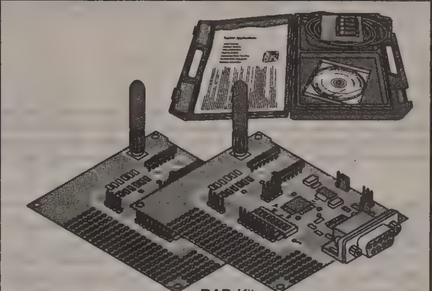
The EWD-900-HDTC is an embedded wireless module based on the CC1000 transceiver from ChipCon. It can operate in the 902-928 MHz band for the US and the 868-870 MHz band for Europe. It is a good choice for short range applications where size is a consideration. An on-board EEPROM stores calibration information and a unique 48-bit MAC address.

Features:
- Operating temperature: 0°C to 70°C
- Small size: 0.7 x 0.7 x .20"
- Easy to use through hole package
- Works in 902-928 and 868-870 MHz bands
- Maximum data rate is 33.6kbit/second
- 2.7-3.3V power supply

Applications:
- Automatic Meter Reading
- Wireless Lighting
- Industrial Automation
- RFID
- Home Automation

Development Kit Contents:
- Qty 2 – RApid Development boards
- Qty 4 – EWD-900-HDTC modules
- Qty 2 – RS-232 serial DB-9 cables
- Documentation/Software CD
- Supports rapid evaluation and development with EWD-900-HDTC Modules


EWM-900-HDTC


RAD Kit

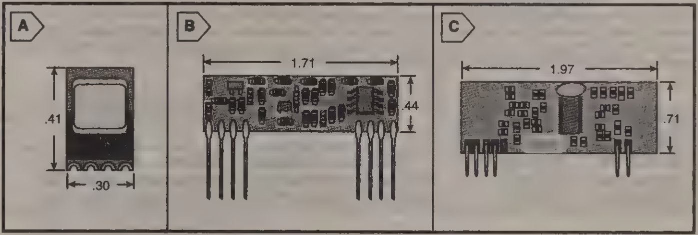
MOUSER STOCK NO.	Radiotronix Part Number	Description	Price Each		
			1	10	25
509-EWD-900-HDTC	EWD-900-HDTC	128 channel transceiver module based on Chipcon's CC1000 chipset	28.50	28.50	25.85
509-RK-900-HDTC	RK-900-HDTC	Rapid Development Kit for EWD-900-HDTC	249.00	-	-

REMOTE CONTROL MODULES

RCT Series Transmitters
The RCT series of remote control OOK transmitter modules from Radiotronix are the smallest, lowest cost transmitter modules available. They are very easy to apply, just connect a data source, antenna, and power. RCT transmitters are compatible with our RP and HP series receivers. These modules operate from 2-12V.

RCR-RP Series Receivers
The RCR-RP series of remote control receiver modules from Radiotronix allow the designer to create a very low cost, wireless link capable of operation at up to 300 feet. The RP modules are based on a super-regenerative receiver architecture, allowing them to work with virtually any AM/ASK/OOK transmitter available, including SAW and LC based transmitters. These modules operate at 5V.

RCR-HP Series Receivers
The RCR-HP series of remote control receiver modules from Radiotronix offer better performance than the RP series. The receiver is based on a super-heterodyne architecture, making the receiver much more immune to outside interference. When coupled with our RCT transmitters, a very simple RF link is formed that is capable of operation over distances of up to 1000 feet. These modules are available in 3V and 5V versions.



Dimensions are approximate: in.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part Number	Fig.	Frequency (MHz)	Modulation	Baud Rate	Range (ft.)	Price Each			
							1	10	25	100
Transmitters										
509-RCT-315-AS	RCT-315-AS	A	314.3 - 315.7	ASK/OOK	300 - 2400	100 - 300	4.01	3.45	3.14	2.93
509-RCT-418-AS	RCT-418-AS	A	417.3 - 418.7	ASK/OOK	300 - 2400	100 - 300	4.01	3.45	3.14	2.93
509-RCT-433-AS	RCT-433-AS	A	433.85 - 433.99	ASK/OOK	300 - 2400	100 - 300	3.75	3.17	2.92	2.72
Receivers										
509-RCR-315-RP	RCR-315-RP	B	311 - 318	ASK/OOK	300 - 4800	100 - 300	5.68	4.88	4.44	4.14
509-RCR-418-RP	RCR-418-RP	B	415 - 421	ASK/OOK	300 - 4800	100 - 300	5.68	4.88	4.44	4.14
509-RCR-433-RP	RCR-433-RP	B	431 - 437	ASK/OOK	300 - 4800	100 - 300	3.95	3.71	3.54	3.39
509-RCR-315-HP	RCR-315-HP	C	311 - 318	ASK/OOK	300 - 4800	300 - 800	9.97	9.66	9.36	8.91
509-RCR-315-HP3V	RCR-315-HP3V	C	311 - 318	ASK/OOK	300 - 4800	300 - 800	9.97	9.66	9.36	8.91
509-RCR-433-HP	RCR-433-HP	C	431 - 437	ASK/OOK	300 - 4800	300 - 800	17.93	15.41	14.01	13.08
509-RCR-433-HP3V	RCR-433-HP3V	C	431 - 437	ASK/OOK	300 - 4800	300 - 800	9.97	9.66	9.36	8.91

ANTENNAS AND CONNECTORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Radiotronix Part Number	Description	Price Each			
			1	10	25	100
Antennas						
509-ANT-915-02A	ANT-915-02A	900 MHZ, 1/4 Wave Whip, RPSMA connector	7.65	7.39	7.16	6.82
509-ANT-915-01A	ANT-915-01A	900 MHZ, Helical Whip, SMA connector	7.65	7.39	7.16	6.82
509-ANT-915-07A	ANT-915-07A	900 MHZ, Helical right angle, RPSMA connector	9.03	8.74	8.47	8.06
509-ANT-915-06A	ANT-915-06A	900 MHZ, 1/2 Dipole, RPSMA Connector	9.03	8.74	8.47	8.06
509-ANT-915-05A	ANT-915-05A	900 MHZ, Helical Whip, right angle SMA Connector	7.65	7.39	7.16	6.82
509-ANT-915-04A	ANT-915-04A	900 MHZ, Helical Whip, RPSMA Connector	7.65	7.39	7.16	6.82
509-ANT-915-03A	ANT-915-03A	900 MHZ, 1/4 Wave Whip, SMA Connector	7.65	7.39	7.16	6.82
509-ANT-868-01A	ANT-868-01A	868 MHZ, Helical Whip, RPSMA Connector	7.65	7.39	7.16	6.82
509-ANT-868-02A	ANT-868-02A	868 MHZ, 1/4 Wave Whip, SMA Connector	7.65	7.39	7.16	6.82
PCB RF Connectors						
509-CON-RPSMA-ST	CON-RPSMA-ST	PCB thru-hole, straight RPSMA connector	2.24	2.16	2.09	1.99
509-CON-RPSMA-RA	CON-RPSMA-RA	PCB thru-hole, right angle, RPSMA connector	2.24	2.16	2.09	1.99
509-CON-RPSMA-EM	CON-RPSMA-EM	PCB edge mount RPSMA connector	2.07	2.00	1.95	1.85

RF MONOLITHICS Short Range Radios and RFICs

RF Monolithics, Inc.

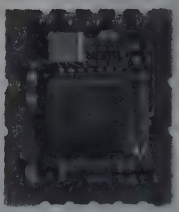
RFM's RF Components and Short-range Radio Transmitters, Receivers, & Transceivers enable M2M capabilities as embedded components within telemetry devices in order to enable wireless connectivity. Original equipment manufacturers (OEMs) embed RFM products to provide RF functionality and connectivity within single piece of equipment or across entire operating systems.

VIRTUAL WIRE RADIO

RFM's 2G and 3G Virtual Wire products are based on RFM's ultra low power, proprietary amplifier-sequenced hybrid (ASH) radio architecture and offer the following features:

Features:

- Integrated RF IC with quartz SAW filtering and frequency control components in a single hybrid
- High Data rates for data, control and digitized voice transmissions
- Stable, sensitive receiver technology with excellent "channel capture" performance
- Ultra Low current consumption for operation from small 3 V batteries
- Very small, low-profile package to make "watch size" applications practical
- Rugged, self-shielding, metal-ceramic hybrid package
- Wide operating temperature range for industrial and outdoor applications
- Easy to optimize for a wide range of application requirements
- Easy certification to stringent short-range radio regulatory requirements
- No external RF filters, IF filters, resonators or crystals are required



RF Modules

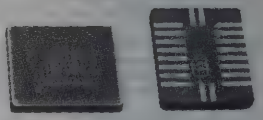
RF Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RF Monolithic Part No.	Description	Power Output	Operating Voltage	Operating Temparature	Price Each		
						1	100	250
719-DR3000	DR3000	2G Transceiver Module 916.500 MHZ	.75mW	2.7Vdc - 3.5Vdc	-40°C to +85°C	25.20	23.25	21.30
719-DR3100	DR3100	2G Transceiver Module 433.920 MHz	1.2mW	2.7Vdc - 3.5Vdc	-40°C to +85°C	25.20	23.25	21.30

Transceivers

RFM's amplifier-sequenced hybrid (ASH) transceiver is specifically designed for short-range wireless data communication applications. The transceiver provides robust operation, very small size, low power consumption and low implementation cost. All critical RF functions are contained in the hybrid, simplifying and speeding design-in. The ASH transceiver can be readily configured to support a wide range of data rates and protocol requirements. The transceiver features excellent suppression of transmitter harmonics and virtually no RF emissions when receiving, making it easy to certify to short- range (unlicensed) radio regulations.



Transceivers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RF Monolithic Part No.	Description	Case	Frequency (MHz)	Operating Temperature	Price Each		
						1	100	250
719-TR1000	TR1000	ASH Transceiver Module 115.2 kbps	SM-20H	916.5	-40°C to +85°C	12.77	11.78	10.79
719-TR3000	TR3000	ASH Transceiver Module 115.2 kbps	SM-20L	433.92	-40°C to +85°C	12.77	11.78	10.79
719-TR7000	TR7000	ASH Transceiver Module 115.2 kbps	SM3-20H	433.92	-40°C to +85°C	9.24	8.53	7.81
719-TR7001	TR7001	ASH Transceiver Module 115.2 kbps	SM3-20H	315	-40°C to +85°C	9.24	8.53	7.81
719-TR8100	TR8100	ASH Transceiver Module 115.2 kbps	SM3-20H	916.5	-40°C to + 85°C	9.24	8.53	7.81

Receivers

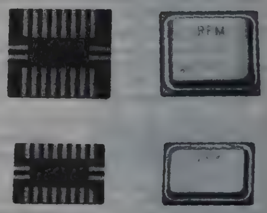
RFM's amplifier-sequenced hybrid (ASH) receivers are specifically designed for short-range wireless control and data communication applications. The receivers provide robust operation, very small size, low power consumption and low implementation cost. All critical RF functions are contained in the hybrid, simplifying and speeding design-in. The ASH receiver can be readily configured to support a wide range of data rates and protocol requirements. The receiver features virtually no RF emissions, making it easy to certify to short-range (unlicensed) radio regulations.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RF Monolithic Part No.	Description	Case	Frequency (MHz)	Operating Temperature	Price Each		
						1	100	250
719-RX5000	RX5000	ASH Receiver Module 115.2kbps	SM-20L	433.92	-40°C to +85°C	8.23	7.60	6.96
719-RX5500	RX5500	ASH Receiver Module 433.92 MHZ 19.2kbps	SM-20L	433.92	-40°C to +85°C	7.90	7.29	6.67
719-RX6000	RX6000	ASH Receiver Module 916.50 MHZ 115.2kbps	SM3-20H	916.5	-40°C to +85°C	8.23	7.60	6.96

Transmitters

RFM's TX-series hybrid transmitters are specifically designed for short range wireless data communication applications. These transmitters provide robust operation, very small size, low power consumption and low implementation cost. All critical RF functions are contained in the hybrid, simplifying and speeding design-in. The transmitters can be readily configured to support a wide range of data rates and protocol requirements. TX-series transmitters feature excellent suppression of output harmonics and virtually no other RF emissions, making them easy to certify to short range (unlicensed) radio regulations.



Receivers and Transmitters

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RF Monolithic Part No.	Description	Case	Frequency (MHz)	Operating Temperature	Price Each		
						1	100	250
719-TX5000	TX5000	ASH Transceiver Module 115.2 kbps	SM-20L	433.92	-40°C to +85°C	6.55	6.05	5.54
719-TX6000	TX6000	ASH Transceiver Module 115.2 kbps	SM-20H	916.5	-40°C to +85°C	6.55	6.05	5.54

RFICs

RFM's RFIC Products include PLL based, single or multi-channel Transceiver, Transmitter and Receiver products, Evaluation boards and RF Design Assistant Software, servicing varied wireless applications in the market place and offer the following features:

Features:

- Integrated PLL, IF, Baseband Circuitry, thus minimizing external component count and simplifying and speeding design-ins
- Support for Multiple Channels
- Wide Frequency range
- Wide operating supply voltage
- Frequency Hopping Spread Spectrum capability
- Low current consumption
- Very few external components required
- Small size plastic packages

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	RF Monolithic Part No.	Description	Frequency (MHz)	Case	Price Each		
					1	50	100
Transceiver							
719-TRC101	TRC101	Multi-channel FSK RFIC Transceiver	300-1000	16-pin TSSOP	3.02	2.95	2.87
719-TRC102	TRC102	Multi-channel FSK RFIC Transceiver	400-1000	16-pin TSSOP	3.02	2.95	2.87
Transmitter							
719-TXC101	TXC101	OOK/FSK RFIC Transmitter	300-1000	16-pin TSSOP	2.25	2.10	1.99
Receiver							
719-RXC101	RXC101	Multi-channel FSK RFIC Receiver	300-1000	16-pin TSSOP	2.60	2.45	2.38

SKYETEK Developer Kits and Modules

skyetek™

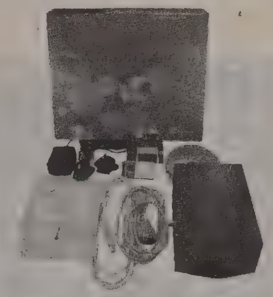
SKYEMODULE™ DEVELOPER KITS

The SkyeTek™ Developer Kit is a complete RFID development tool kit that enables quick demonstrations, proof-of-concepts, and trials when integrating RFID into numerous applications and products. The SkyeTek™ Developer Kit includes all the components needed to get started, including: reader modules, sample tags, RFID antennas, connectors, demo software, device drivers, design guides, application notes, and more.

A

B

C

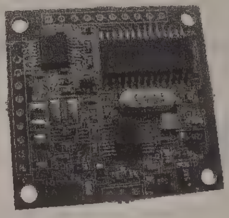


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Fig.	Description	Frequency	Size (mm) L x W x H	Effective Range	Price Each
731-DK-MN-00-HF-RC	DK-MN-00-HF-RC	--	M1-mini Dev Kit w/ 1 M1 module and 3 M1Mini modules (all TTL)	HF 13.56 MHz	40 x 38 x 4	5.8 cm - 8.5 cm	999.00
731-DK-M1-00-HF-RC	DK-M1-00-HF-RC	--	M1 Development Kit with 4 M1 modules (all TTL)	HF 13.56 MHz	40 x 38 x 4	5.8 cm - 8.5 cm	1499.00
731-DK-M2-00-HF	DK-M2-00-HF	A	M2 Development Kit with 1 M2 CF and 1 M2 MH module	HF 13.56 MHz	59 x 36 x 5	3 cm - 16 cm	999.00
731-DK-M9-CF-UF	DK-M9-CF-UF	B	M9 Development Kit with 1 M9 CF module	UHF 862-955 MHz	59 x 36 x 7	2.5 m	1499.00
731-DK-M9-MH-UF	DK-M9-MH-UF	B	M9 Development Kit with 1 M9 MH module	UHF 862-955 MHz	59 x 36 x 7	2.5 m	1499.00
731-DK-IL-00-00	DK-IL-00-00	C	Item-Level Dev Kit with 1 M2 CF and 1 M9 CF module	HF and UHF	- - -	- - -	1599.00

SKYEMODULE™ M1

SkyeModule™ M1, a multi-protocol embedded HF RFID reader module for OEM's, provides a low power, high-performance, and cost-effective option to embedded RFID as a feature in a variety of products.



Features:

- Multi-protocol, 13.56 MHz +/- 7kHz
- Effective Range: 5.5-8.5cm
- Internal (On-board) antenna
- 50 Ohm port for External antenna
- Host-interface options: RS-232, TTL, I2C, SPI
- Operates from 1.8 to 5.0V and as low as 60 μA
- Eight programmable GPIO pins

Benefits:

- Low cost and small form factor
- Easy to embed
- Low power consumption and high performance

Target Applications:

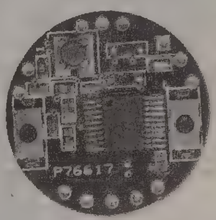
- Medical equipment, Pharmaceuticals, Kiosks, Printers, Handhelds, Ticketing, Industrial equipment, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Price Each		
		1	100	1000
731-SM-M1-00-HF-RC	SM-M1-00-HF-RC	84.00	69.60	66.78
731-SM-M1-00-HF-RCI2C	SM-M1-00-HF-RCI2C	84.00	69.60	66.78
731-SM-M1-00-HF-RCSPI	SM-M1-00-HF-RCSPI	84.00	69.60	66.78

SKYEMODULE™ M1-MINI

SkyeModule™ M1-mini provides a low power, high performance, and cost-effective platform designed to enable any device with RFID reader technology. The M1-mini is the world's smallest, self-contained multi-protocol 13.56 MHz OEM module.



Features:

- Multi-protocol, 13.56 MHz +/- 7kHz
- Smaller than a US quarter
- Effective Range: 5.5-8.5cm
- Internal (On-board) antenna
- 50 Ohm port for External antenna
- Host-interface options: TTL serial, I2C, and SPI
- Operates from 3.2 to 6.0V; and as low as 50 μA

Benefits:

- Worlds smallest form factor
- Simple and intuitive API for fast integration/time to market
- Low power consumption and high performance

Target Applications:

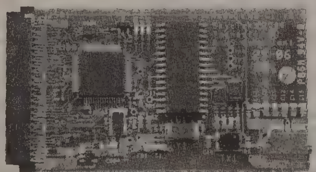
- Medical equipment, Pharmaceuticals, Kiosks, Printers, Handhelds, Ticketing, Industrial equipment, etc.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Price Each		
		1	100	1000
731-SM-MN-00-HF-RC	SM-MN-00-HF-RC	84.00	69.60	66.78
731-SM-MN-00-HF-RCI2C	SM-MN-00-HF-RCI2C	84.00	69.60	66.78
731-SM-MN-00-HF-RCSPI	SM-MN-00-HF-RCSPI	84.00	69.60	66.78

SKYEMODULE™ M2

SkyeModule™ M2, the industry's most secure multi-protocol embedded HF RFID reader module for OEMs, was designed specifically for flexibility and encrypted authentication across a range of vertical markets.



Features:

- Multi-protocol, 13.56 MHz +/- 7kHz
- Effective Range: 3-16cm
- Robust security libraries (DES, 3DES, AES etc.)
- Host-interface options: RS-232, I2C, SPI, USB
- Seven programmable GPIO pins
- Output power adjustable between 17-23 dBm

Benefits:

- Industry leading security and best-in-class cryptographic standards
- Miniscule foot print and Greatest tag compatibility with Tagnostic capabilities
- Superior embeddability and open, flexible architecture for investment protection

Target Applications:

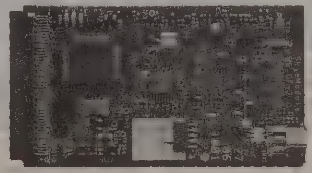
- Anti-counterfeiting, Contactless Payment, Patient Safety, Item-Level Inventory, Printing/Encoding, Handhelds, Patron Management

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Price Each		
		1	100	1000
731-SM-M2-CF-HF	SM-M2-CF-HF	114.00	111.00	93.50
731-SM-M2-MH-HF	SM-M2-MH-HF	114.00	111.00	93.50

SKYEMODULE™ M9

SkyeModule™ M9, a small globally compliant UHF RFID reader module, is a high-performance, secure, power-efficient solution for a broad range of products. Half the size of a typical business card, the module is cost-effective and highly scalable.



Features:

- 862-955 MHz
- Effective Range: 2.5M+
- Meets worldwide regulatory requirements.
- Industry's first standards-based UHF security
- Host-interface options: UART (TTL), I2C, SPI, USB
- RF output power is software adjustable from 15mW to 500mW

Benefits:

- Supports more standards and tags than any other comparable reader
- Global SKU that provides regulatory pre-scan certification for all major markets
- Unprecedented price-performance and TCO

Target Applications:

- Anti-counterfeiting, Handheld reading/encoding, Printing, Patron Management, Item-Level Inventory, Supply Chain Management

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Price Each		
		1	100	1000
731-SM-M9-CF-UF	SM-M9-CF-UF	249.00	224.00	199.00
731-SM-M9-MH-UF	SM-M9-MH-UF	249.00	224.00	199.00

SKYEMODULE™ MULTI-PLEXER ACCESSORIES

SkyeTek offers the SkyePlus™ MXH and MXU antenna multiplexers to expand the reader's capability by adding up to 8 antennas. The addition of multiplexers can help significantly reduce overall solution cost and are best used in applications that require multiple read-points.

For quantities greater than listed, call for quote.

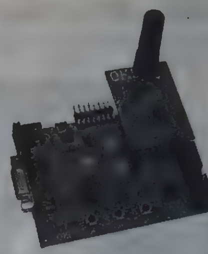
MOUSER STOCK NO.	SkyeTek Part No.	Description	Price Each		
			1	100	1000
731-SP-MX-04-HF-M2	SP-MX-04-HF-M2	HF 4-Port Multiplexer for M2 module	149.00	123.00	110.00
731-SP-MX-04-UF-M9	SP-MX-04-UF-M9	UHF 4-Port Multiplexer for M9 module	149.00	123.00	110.00
731-SP-MX-08-HF-M2	SP-MX-08-HF-M2	HF 8-Port Multiplexer for M2 module	199.00	159.00	145.00
731-SP-MX-08-UF-M9	SP-MX-08-UF-M9	UHF 8-Port Multiplexer for M9 module	199.00	159.00	145.00

ZigBee™ Embedded Modules and Development Kits

OKI ZIGBEE

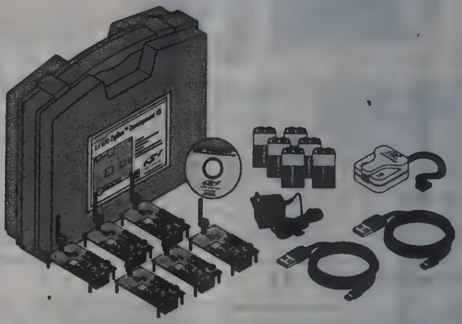
NEW FROM SUPPLIER

MOUSER STOCK NO.	Oki Semiconductor Part No.	Description	Price Each
848-OKI-ZNED-01	OKI-ZNED-01	Zigbee Developer's Kit	78.00
848-OKI-ZDK-01	OKI-ZDK-01	Zigbee Network Evaluation/Developers	520.00
848-ML7065-03GDZA3A	ML7065-034GDZA3A	Zigbee Single Chip	5.65



SILICON LABS 2.5 GHZ ZIGBEE™ DEVELOPMENT KITS

Silicon Labs offers 802.15.4 and ZigBee development kits that allow customers to focus on application development rather than hardware selection. These comprehensive kits include all the hardware and software needed to immediately begin developing 802.15.4 or ZigBee network solutions.



2.4GHz ZigBee Development Kit:
This kit combines a high-performance C8051F121 MCU, an IEEE 802.15.4 compliant RF transceiver, the MAC firmware, the Helicomm ZigBee Protocol stack and the Silicon Laboratories Integrated Development Environment (IDE).

2.4GHz 802.1504 Development Kit:
This kit combines a high-performance C8051F121 MCU, an IEEE 802.15.4 compliant RF transceiver, the MAC firmware and the Silicon Laboratories IDE.

Kits Contain:

- Application examples
- MAC and ZigBee protocol stack software
- 802.15.4 MAC-level application development
- ZigBee application development
- Silicon Labs Integrated Development Environment (IDE)
- Complete modules based on 8051 MCUs

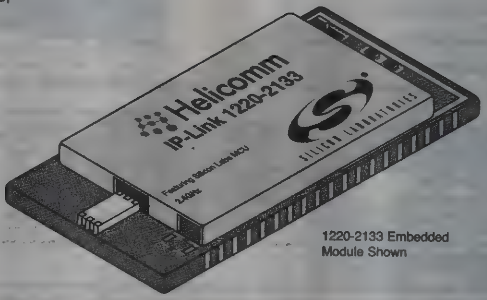
Development Kits

MOUSER STOCK NO.	Silicon Laboratories Part No.	Price Each
634-ZIGBEE-2.4-DK	ZIGBEE-2.4-DK	950.00
634-802.15.4-2.4-DK	802.15.4-2.4-DK	365.00

Helicomm 2.4 GHZ ZIGBEE™ EMBEDDED OEM MODULES

WIRELESS SOLUTIONS • SIMPLIFIED™

Helicomm's award-winning products allow you to quickly and easily integrate wireless networking solution and increase your competitive advantage. Helicomm's highly integrated IP-Link Modules simplify wireless integration and reduce development cycles by six months or more. Each IP-Link embedded module includes an IEEE 802.15.4-compliant radio, a Silicon Laboratories 8051 microcontroller, programmable I/O, flexible antenna and range solutions, and ZigBee-Ready IP-Net " networking software.



1220-2133 Embedded Module Shown

Module Specifications:

- Frequency: 2.4GHz
- Max Data Rate: 250Kbps
- Receive Sensitivity: -94dBm
- Transmit Range: 150m (122x-2033 Models)
  400m (122x-2133 Models)
- Data Encryption: 128-bit AES
- Antenna: On Board Chip
- Certification: FCC Part 15, CE
- Transmit Power: 55mA (122x-2033 Models)
  100mA (122x-2133 Models)
- Receive Power: 55mA (122x-2033 Models)
  100mA (122x-2133 Models)
- Microcontroller: Silicon Laboratories, 8051 based
- Transceiver Chip: Chipcon CC2420
- Model (122x-2033) Size: 1.6 x 0.7 x 0.2 in.
  41x19x4 mm
- Model (122x-2133) Size: 1.8 x 0.7 x 0.2 in.
  46x19x4 mm
- Operating Temp.: -20°C to +70°C
- Humidity: 10% - 90%
- Physical Pins: 62 (122x-2033 Models)
  70 (122x-2133 Models)
- RF Channels: 16 (5MHz)

Embedded Modules

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Helicomm Part No.	Silicon Laboratories MCU Part No.	Flash (kB)	RAM (kB)	Serial	Output Power (dBm)	Price Each	
							1	100
857-1220-2033	1220-2033	C8051F121	128	8	2 RS232, JTAG	0	45.01	41.10
857-1221-2033	1221-2033	C8051F133	64	8	RS232, SMB, JTAG	0	33.43	30.52
857-1220-2133	1220-2133	C8051F121	128	8	2 RS232, JTAG	+ 15	52.24	47.70
857-1221-2133	1221-2133	C8051F133	64	8	RS232, JTAG	+ 15	40.65	37.12

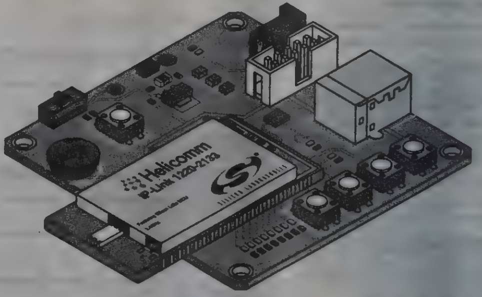
Helicomm EZDK 1220PA DEVELOPMENT KIT FOR OUT-OF-THE- BOX ZIGBEE™ NETWORKING

WIRELESS SOLUTIONS • SIMPLIFIED™

Use your EZDK 1220PA Kit to implement and test both simple and sophisticated networks of IP-Link Modules. Helicomm's WIN-View Software lets you individually program Modules, build Networks and view Network Summary Tables. Test your Network's robustness by inducing link breakages using the blacklisting function and observing resultant Network behavior. Link and Network level reliability test and monitoring functions let you evaluate Network reliability over time. The power that the EZDK 1220PA gives you to rapidly build and test Module and Network configurations translates to saved time and money and reduced development risk.

Development Kit Contains:

- (6) 2.4 GHz IP-Link Boards with integral IPLink 1220PA Modules
- WIN-View Networking Management Software
- Complete documentation including Module API specifications, networking examples and tutorials
- All required cables and power supplies



ZigBee IPLink Development Board

Development Kit

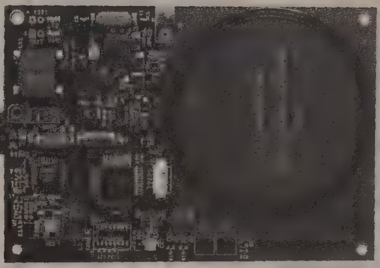
MOUSER STOCK NO.	Helicomm Part No.	Price Each
857-EZDK-1220PA	EZDK-1220PA	2490.00

TEK Embedded RFID Products

TEK Industries, Inc. is a technologically advanced corporation dedicated to providing tomorrow's solutions today through innovation and technology. An innovative RFID and contract manufacturing company, TEK is a technologically advanced corporation dedicated to the design and development of custom electronic products for a vast range of applications. As a dynamic small business in the RFID and Auto-ID market, TEK offers stationary and mobile RFID readers along with a complete active tag system.

MOUSEMAT BARE BOARD

The TEK Mousemat is a custom-designed RFID reader/writer capable of reading and writing to the industry standard 13.56MHz tags. The Mousemat was originally designed for a large supply chain application. It attaches to the computer through a USB port. Applications for the Mousemat include order entry, computer security and inventory control.
Software source files are free and available for developers upon request. USB cable not included.

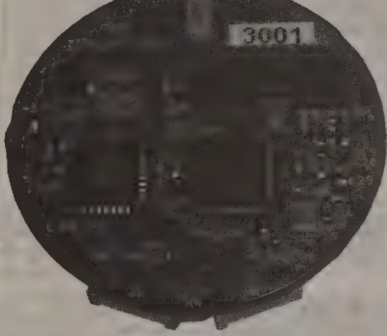


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each			
			1	10	25	100
705-720010-B	720010-B	Mousemat RFID Scanner 13.56MHz	185.00	169.00	160.00	150.00

Z-TAG (ROUND TAG)

This compact 1.4" diameter PCB includes a holder for a single 3V lithium coin cell. The Z-TAG is intended as a complete minimal low power radio module for monitoring or active tagging applications. It has CC2420 plus PIC18LF2520 in a tiny package with ceramic antenna. This runs the 3.5 stack with enough resources for a basic RFD. The Z-TAG has three spare IO lines brought to a header for remote control or monitoring applications. The tag can easily accommodate a memory size of 128Kbytes.



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each			
			1	10	25	100
705-750190	750190	Z-Tag Includes Antna Battery and Holder	35.75	33.25	32.50	31.25

Z-RADIO SYSTEM

Z-USB Interface:

This is a USB interface for connecting the radio network to a laptop or PC.The PCB is 1.1" x 2.1". A mini-USB port is built into the board for easy networking with a computer or PC. Using the FTDI FT232R chip, PIC 18LF2620 and CC2420, the Z-USB can run the Microchip 3.5 stack coordinator or RFD and is self-powered from the USB. Use with a standard mini-USB cable.

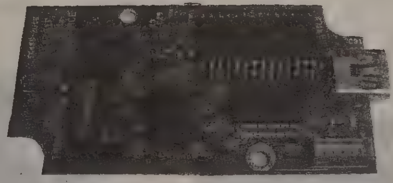
Z-Link Interface:

This is a slightly larger PCB, measuring 3.3" x 2.2". It has a battery holder for 3xAA cells on the back and a DC supply jack. The Z-LINK uses the PIC18F66J10 plus CC2420, folded PCB dipole antenna The Z-Link also has an RS232 interface and fits into a readily available Hammond enclosure. The Z-LINK can run RFD, FFD, Coordinator, or Router. PIC is a trademark of Microchip Technology Inc.

2.4 GHz Interface

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each			
			1	10	25	100
705-750200	750200	Z-USB 2.4 GHz Interface	39.99	37.50	36.50	35.00
705-750210	750210	Z-Link 2.4 GHz Interface	39.75	37.25	35.75	34.99

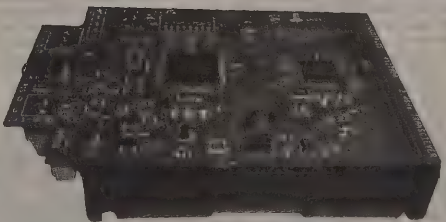


Z-USB Interface

Development Kit

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each			
			1	10	25	100
705-750190-DEV	750190-DEV	Development Kit	62.99	58.25	57.50	57.00



Z-Link Interface

Adaptor Bare Boards

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TEK Industries, Inc. Part Number	Description	Price Each			
			1	10	25	100
705-750170-B	750170-B	Freedom RFID 134.2kHz	531.25	459.99	449.00	425.00
705-750180-B	750180-B	Freedom RFID 13.56 MHz	531.25	459.99	449.00	425.00

GPS Modules and Development Tools

Products may be RoHS compliant.
Check mouser.com for RoHS status.

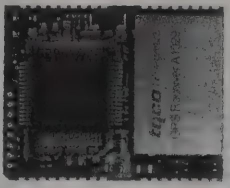
Tyco Electronics
Authorized Distributor

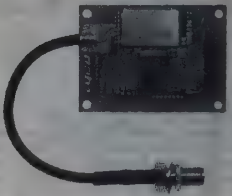
With the mission of supporting our customers to implement GPS functionality into their systems, Tyco Electronics is offering a large product portfolio to cover almost all integration possibilities in an easy way. All GPS products are manufactured in our ISO9001 and TS16949 certified factory inside the EU. Beyond that our modules follow RoHS standards and are 100% electrically and functionally tested prior to packaging.

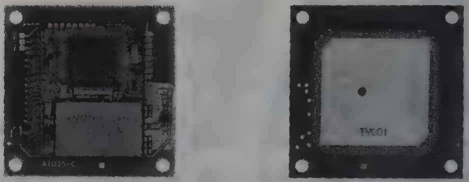
GPS RECEIVER MODULES

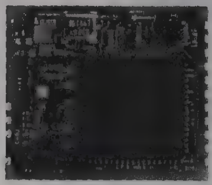
	A1029-C	A1029-D	A1035-C	A1037-A	A1080-A
1 PPS	*	*		*	*
Active Antenna	*	*	*	*	*
Passive Antenna	*	*			
Onboard Patch Antenna			*		
Status Detection Antenna	*	*			
Assisted GPS	*	*	*	*	*
Plug-in Connection			*	*	
Solderable Connection	*	*			*
Dead Reckoning	**	**			
Differential GPS RTCM Input	*	*			
Programmable Flash	*	*	*		
GPIO	***	***			
GPS/UTC Raw Data	*	*	*		*
I2C Interface	***	***			
Memory-free Flash (Byte)	80k	80k	80k		
Memory-free SRAM (Byte)	16k	16k	16k		
Available Power Processor	3 MIPS	3 MIPS	3 MIPS		
ROM				*	*
SBAS Support	*	*	*	*	*
SPI Interface	*	*	*		
TCXO	*	*	*		*
UART NMEA	*	*	*	*	*
UTM Projection	*	*	*		

* Standard Firmware: Revision 1xx
** Standard Firmware: Revision 2xx
*** With Custom Firmware Support

A


B


C

Front
Back

D


E

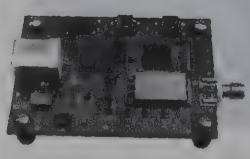
For quantities of 100 and up, call for quote.

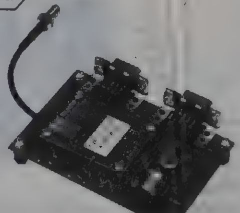
MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Description	Price Each		
				1	10	50
340-V23993-A1029-C	V23993-A1029-C	A	GPS Receiver Module with TXCO (SMD)	44.95	42.75	39.95

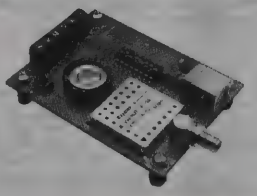
For quantities of 160 and up, call for quote.

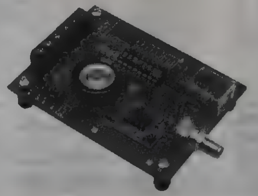
MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Description	Price Each		
				1	16	80
340-V23993-A1029-D	V23993-A1029-D	B	GPS Receiver Module with TXCO (plug-in)	59.50	55.95	53.45
340-V23993-A1035-C	V23993-A1035-C	C	GPS Receiver Module with Smart Antenna	58.25	52.35	50.45
340-V23993-A1037-A	V23993-A1037-A	D	GPS Receiver Module Full NMEA (SMD)	28.95	26.25	25.30
340-V23993-A1080-A	V23993-A1080-A	E	GPS Receiver Module with SiRF Star III (SMD)	55.60	50.95	48.25

GPS DEMONSTRATION AND EVALUATION KITS

F


G


H


I


J

USB1029-C:
The USB1029-C is a demonstration kit for the A1029-C GPS Receiver Module. It is easily installed to you PC environment via USB connections.
Each Kit contains the following:
- A1029-C module
- Active Antenna
- USB cable
- CD w/ GPS Cockpit Software

DKS1029-D:
The DKS1029-D is a demonstration kit for the A1029-C GPS Receiver Module. This kit connects to your PC environment via RS232 connections
Each Kit contains the following:
- A1029-D module
- Active Antenna
- Serial cable
- CD w/ GPS Cockpit Software

EVA1037-A:
The EVA1037-A is an evaluation board for the A1037-A GPS Receiver Module. It is easily installed to you PC environment via USB connections.
Each Kit contains the following:
- A1037-A module
- Active Antenna
- USB cable
- CD w/ GPS Cockpit Software

EVA1080-A:
The EVA1080-A is an evaluation board for the A1080-A GPS Receiver Module. It is easily installed to you PC environment via USB connections.
Each Kit contains the following:
- A1080-A module
- Active Antenna
- USB cable
- CD w/ GPS Cockpit Software

DKS1035-C:
The DKS1035-C is a demonstration kit for the A1029-C GPS Receiver Module. This kit connects to your PC environment via RS232 connections
Each Kit contains the following:
- A1035-C module
- Active Antenna
- Serial cable
- CD w/ GPS Cockpit Software

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Description	Price Each
340-V23993-USB1029-C	V23993-USB1029-C	F	GPS Demonstration Kit (USB) for A1029-C Module	300.00
340-V23993-DKS1029-D	V23993-DKS1029-D	G	GPS Demonstration Kit for A1029-D Module	300.00
340-V23993-EVA1037-A	V23993-EVA1037-A	H	GPS Demonstration / Evaluation Kit for A1037-A Module	130.00
340-V23993-EVA1080-A	V23993-EVA1080-A	I	GPS Demonstration / Evaluation Kit for A1080-A Module	130.00
340-V23993-DKS1035-C	V23993-DKS1035-C	J	GPS Demonstration Kit for A1035-C Module	300.00

CONNECT ONE iChip, Socket Modules, & Device Servers

Connect One
The Device Networking Authority

Products may be RoHS compliant.
Check mouser.com for RoHS status.

CONNECT ONE ICHIP

iChip™ updateable Internet Controller™ chips provide a cost-effective and reliable solution for embedding IP-based communication and other network services in low-cost, non-PC devices running M2M (machine-to-machine) applications. iChip mediates the connection between a host device and the Internet, operating as an embedded device server. It eliminates the need for Internet programming and avoids the hassle, risks and costs of a development project. Instead, you are assured a fast design-in, with predictable timing and budget. Typical design time is one man-month.

iChip CO120SQ:
- 64-pin TQFP form-factor, measuring 10 x 10mm
- Designed for WiFi and 10/100BaseT access
- Includes USB v2.0 Full Speed Device (client) interface
- Host interface supports 250 kbits/second in Serial mode
- Locally updatable firmware
- Operates in the industrial temperature range
- WPA/WPA2 support for WiFi

iChip CO711AG:
- Packaged in a 121-ball micro BGA form-factor
- Host interface supports 230 kbits/second in Serial mode
- Supports switchable dial-up, wireless and LAN connectivity
- Locally or remotely updatable firmware
- Supports SSL3/TLS1 protocol for secure sockets and FTP (FTPS), WEP and WPA encryption for WiFi
- Supports up to 10 simultaneous TCP or UDP sockets, two listen sockets, Web server, RAS server, SMTP and POP3 clients, MIME attachments, FTP and Telnet clients, and SerialNET™ mode for plug-and-play functionality

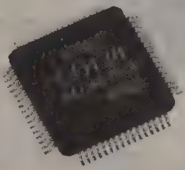
iChip CO710AG:
- Packaged in a 121-ball micro BGA form-factor
- Host interface supports 230 kbits/second in Serial mode
- Supports switchable dial-up, wireless and LAN connectivity
- Locally or remotely updatable firmware
- Supports up to 10 simultaneous TCP or UDP sockets, two listen sockets, Web server, RAS server, SMTP and POP3 clients, MIME attachments, FTP and Telnet clients, and SerialNET™ mode for plug-and-play functionality
- WPA/WPA2 support for WiFi

iChips

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Price Each		
		1	10	50
890-CO120SQ-48TI-3	CO120SQ/48TI-3	14.50	14.00	13.50
890-CO710AG-66BI-3G	CO710AG/66BI-3G	22.00	21.00	20.00
890-CO711AG-66BI-3G	CO711AG/66BI-3G	30.00	29.25	26.00

RoHS Compliant



iChip Evaluation Boards

For quantities of 100 and up, call for quote.

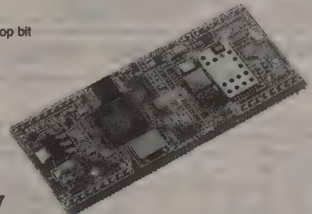
MOUSER STOCK NO.	Connect One Part No.	Description	Price Each
890-II-EVB-300-3-110	II-EVB-300-3-110	CO710AG EVB for LAN and Modem, 110V	450.00
890-II-EVB-301-3-110	II-EVB-301-3-110	CO710AG EVB for WiFi, LAN and Modem, 110V	725.00
890-II-EVB-330-3-110	II-EVB-330-3-110	CO711AG EVB for LAN and Modem, 110V	450.00
890-II-EVB-331-3-110	II-EVB-331-3-110	CO711AG EVB for WiFi, LAN and Modem, 110V	725.00
890-II-EVB-500-3-110	II-EVB-500-3-100	CO1120Q Eval Board for MODEM, 110V	275.00
890-II-EVB-501-3-110	II-EVB-501-3-110	CO120SQ EVB for LAN, 110V	275.00
890-II-EVB-511-3-110	II-EVB-511-3-110	CO120SQ EVB for WiFi, 110V	450.00

CONNECT ONE IWIFI SOCKET MODULE

Socket iWiFi Sec™ is a secure serial-to-Wireless LAN device server module that also acts as a bridge to connect serial devices to 802.11b/g Wireless LANs. It supports up to 10 simultaneous TCP/UDP sockets, two listening sockets, SMTP, MIME, POP3, FTP, Telnet, and HTTP clients, a Web server, and a serial-to-IP bridging mode. Socket iWiFi Sec supports numerous security protocols It is packaged in RoHS-compliant SocketModem™ form factor, uses the standard SocketModem pin-out, and operates in an extended temperature range.

Hardware Specifications:
- Size: 64.5 x 27.4 x 11 mm (2.54 x 1.08 x 0.433 in.).
- Operating Humidity: 90% maximum (non-condensing).
- Operating Temperature Range: -20° to 70° C (-4° to 158° F).
- Operating Voltage: 3.3v, +/- 5% DC.
- Power supply current from VDD (Operating Mode): 350 mA typical, 500 mA maximum
- Power Consumption Power Save mode: 24 mA typical, 30 mA maximum
- Power Consumption Sleep mode: 5 mA typical, 8 mA maximum
- Connector: UFL ultra-miniature coax to antenna.
- Host Interface: RS-232

Performance Specifications:
- Host Data Rate: 2,400 bps to 230 kbps
- AT+i mode: Asynchronous character: binary: 8 data bits: no parity: 1 stop bit
- SerialNET mode: Asynchronous character: binary: 7 or 8 data bits: odd, even, or no parity: 1 stop bit
- Standard Operating Mode: EIA RS-232 full duplex.
- Flow Control: hardware (DTR, RTS, CTS, DSR) and software flow control (Connect One's Wait/Continue method).
- Supports SSL3/TLS1.0 and FTPS



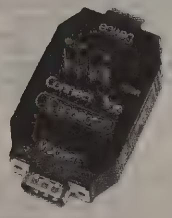
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Description	Price Each		
			1	10	50
890-IW-SM711MS	iW-SM711MS	IWFI 8002.11 B/G Socket Module	105.00	102.00	99.00
890-II-EVB-361MS	II-EVB-361MS	Eval Board for IWFI Socket Module	275.00	–	–

RoHS Compliant

CONNECT ONE EXTERNAL DEVICE SERVERS

Wireless Internet adapters that enable any installed device to access the Internet via wireless modems and data-enabled phones that use AMPS, CDMA, CDPD, GPRS, GSM, iDEN, and TDMA networks.

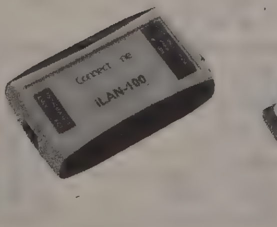


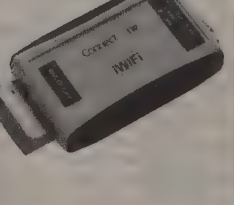
iConnector™ Family

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Description	Price Each	
			1	10
890-IC100-FM-I-1	iC100-FM-I-1	iConnectorLE	45.00	43.55
890-IC-EVB-101-110	iC-EVB-101-110	ConnectorLE Evaluation Board, 110V	130.00	128.00
890-IC101-FM-C-0-110	iC101-FM-C-0-110	iConnector - Commercial DC 110V	100.00	96.77
890-IC101-FM-C-0	iC101-FM-C-0	iConnector - Commercial DC	85.00	82.26
890-IC101-FM-C-1	iC101-FM-C-1	iConnector - Commercial DB-9 connector	90.00	87.10
890-IC101-FM-I-1	iC101-FM-I-1	iConnector - Industrial DB-9 connector	100.00	96.77

iLAN is designed for low-resource, price-sensitive devices that require remote monitoring, diagnostics, management, data collection, and alerts. Connects devices to the Internet via a direct connection from the device's RS-232 serial port to a 10BaseT or 10/100BaseT Ethernet LANs.





iLAN™, iWIFI™ and iModem™

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Connect One Part No.	Description	Price Each	
			1	10
890-IL100-0-110	iL100-0-110	iLAN-100 w/110V power supply	125.00	120.97
890-IW100B-0-110	iW100b-0-110	iWiFi w/ 110V power supply	210.00	203.23
890-IM336UC-SA-110	iM336UC-SA-110	iModem w/ 110V power supply	225.00	217.74

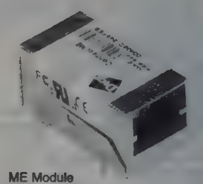
DIGI INTERNATIONAL Embedded Modules & Development Tools

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIGI CONNECT® ME FAMILY WIRED AND WIRELESS EMBEDDED MODULES

The industry's first interchangeable secure wired and wireless embedded modules with plug-and-play functionality and comprehensive development tools make it easy to add embedded web-enabled wired and wireless network connectivity.

Based on a unique common platform design approach, the Digi Connect® ME and Digi Connect® Wi-ME embedded modules offer complete "drop-in" integration. This allows you to build future-proof products based on a single design supporting secure wired 10/100Base-T and 802.11b wireless Ethernet connectivity. The family of Digi Connect® embedded modules makes all of this possible without the traditional complexities of hardware and software integration work, and at a fraction of the time and cost required to create custom solutions.



ME Module

Hardware:
- 32-bit NET+ARM high-performance RISC processor (NS7520 @ 55 MHz)
- Digi Connect ME on-board memory
  - 2 MB Flash and 8 MB RAM
- Digi Connect Wi-ME on-board memory
  - 4 MB Flash and 8 MB RAM
- On-board power supervisor
- High-speed TTL serial interface
  - Throughput up to 230 Kbps
  - Full signal support for TXD, RXD, RTS, CTS, DTR, DSR and DCD
  - Hardware/software flow control
- Five shared General Purpose Input/Output (GPIO) ports
- Wave-solderable design (no clean flux process)

Network Interface:
Digi Connect ME:
- Standard: IEEE 802.3
- Physical Layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)
- Connector: RJ-45
- 802.3af mid-span power pass-through

Digi Connect Wi-ME:
- Standard: IEEE 802.11b
- Frequency: 2.4 GHz
- Data rate: Up to 11 Mbps
- Modulation: CCK (11/5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
- Transmit power: 16 dBm typical
- Receive sensitivity: -82 dBm @ 11 Mbps
- Antenna connector: 1 x RP-SMA

Wireless Security:
- WEP (Wired Equivalent Privacy)
  - 64/128-bit encryption (RC4)
- WPA/WPA2/802.11i
  - 128-bit TKIP/CCMP encryption
  - 802.1x EAP authentication LEAP (WEP only), PEAP, TTLS, TLS GTC, MD5, OTP, PAP, CHAP, MSCHAP, MSCHAPv2, TTLS-MSCHAPv2
  - Pre-Shared Key mode (PSK)

Dimensions (LxWxH):
- Digi Connect EM
  49.149mm x 40.005mm x 15.621mm
  1.935in x 1.575in x 0.803in
- Digi Connect Wi-EM
  49.149mm x 47.117mm x 19.939mm
  1.935in x 1.855in x 0.785in

Wi-ME Module

Embedded Modules

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each		
			1	10	50
860-DC-ME-01T-S	DC-ME-01T-S	ME Module w/8 MB SDRAM, 2MB Flash, Standard firmware	49.00	45.00	45.00
860-DC-ME-01T-C	DC-ME-01T-C	ME Module w/8MB SDRAM, 2MB Flash, Customizable	49.00	47.50	45.00
860-DC-ME4-01T-C	DC-ME4-01T-C	ME Module w/8MB SDRAM, 4MB Flash, Customizable	55.00	50.00	49.00
860-DC-WME-01T-S	DC-WME-01T-S	Wi-ME Module w/8MB SDRAM, 4MB Flash, Standard firmware	130.00	122.50	121.00
860-DC-WME-01T-C	DC-WME-01T-C	Wi-ME Module w/8MB SDRAM, 4MB Flash, Customizable	130.00	122.50	121.00

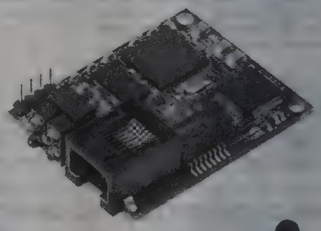
Development Kits and Tools

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-DC-ME-01T-KT	DC-ME-01T-KT	ME Module Integration Kit (for use with "S" models)	249.00
860-DC-ME-01T-GN	DC-ME-01T-GN	ME Module Development Kit (for use with "C" models)	1495.00
860-DC-ME-01T-GN-NR	DC-ME-01T-GN-NR	ME Module Development Kit without Raven debugger (for use with "C" models)	895.00
860-DC-ME-01T-JT	DC-ME-01T-JT	ME Customizable module with JTAG interface (8MB SDRAM, 2MB Flash)	99.00
860-DC-ME4-01T-JT	DC-ME4-01T-JT	ME Customizable module with JTAG interface (8MB SDRAM, 4MB Flash)	99.00
860-FS-9060	FS-9060	ME Module Development Kit for LxNETES Linux	299.00
860-DC-WME-01T-KT	DC-WME-01T-KT	Wi-ME Integration Kit (for use with "S" models)	299.00
860-DC-WME-01T-GN	DC-WME-01T-GN	Wi-ME Module Development Kit (for use with "C" models)	1495.00
860-DC-WME-01T-GN-NR	DC-WME-01T-GN-NR	Wi-ME Module Development Kit without Raven debugger (for use with "C" models)	895.00
860-DC-WME-01T-JT	DC-WME-01T-JT	Wi-ME Customizable module with JTAG interface	249.00

DIGI CONNECT® EM FAMILY WIRED AND WIRELESS EMBEDDED MODULES

The Digi Connect® EM and the Digi Connect® Wi-EM are the industry's first interchangeable secure embedded modules, delivering wired and wireless Ethernet network connectivity that is cost-effective and easy to implement.

Based on a unique common platform design approach, the Digi Connect EM and Digi Connect Wi-EM embedded modules offer complete "drop-in" integration. This allows you to build future-proof products based on a single design supporting secure 10/100Base-T wired and 802.11b wireless Ethernet connectivity. Digi Connect EM embedded modules make all of this possible without the traditional complexities of hardware and software integration work, and at a fraction of the time and cost required to create custom solutions.



EM Module

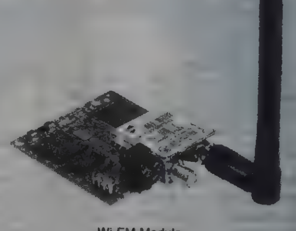
Hardware:
- 32-bit NET+ARM high-performance RISC processor (NS7520 @ 55 MHz)
- On-board memory 4 MB Flash and 8 MB RAM
- On-board power supervisor
- Two high-speed TTL serial interfaces
  - Throughput up to 230 Kbps
  - Full signal support for TXD, RXD, RTS, CTS, DTR, DSR and DCD on port 1
  - TXD / RXD signals on port 2
  - Hardware/software flow control
- Serial Peripheral Interface (SPI)
- Nine shared General Purpose Input/Output (GPIO) ports
- Wave-solderable design (no clean flux process)

Network Interface:
Digi Connect EM:
- Standard: IEEE 802.3
- Physical Layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)
- Connector: RJ-45

Digi Connect Wi-EM:
- Standard: IEEE 802.11b
- Frequency: 2.4 GHz
- Data rate: Up to 11 Mbps w/ auto talk back
- Modulation: CCK (11/5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
- Transmit power: 16 dBm typical
- Receive sensitivity: -82 dBm @ 11 Mbps
- Antenna connector: 2 x RP-SMA

Wireless Security:
- WEP (Wired Equivalent Privacy)
  - 64/128-bit encryption (RC4)
- WPA/WPA2/802.11i
  - 128-bit TKIP/CCMP encryption
  - 802.1x EAP authentication
    - LEAP (WEP only), PEAP, TTLS, TLS
    - GTC, MD5, OTP, PAP, CHAP, MSCHAP, MSCHAPv2, TTLS-MSCHAPv2
  - Enterprise and Pre-Shared Key

Dimensions (LxWxH):
- Digi Connect ME
  36.7mm x 19.05mm x 18.67mm
  1.445in x 0.75in x 0.735in
- Digi Connect Wi-ME
  49.4mm x 19.05mm x 18.67mm
  1.945in x 0.75in x 0.735in



Wi-EM Module

Embedded Modules

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each		
			1	10	50
860-DC-EM-02T-S	DC-EM-02T-S	EM Module with 8MB SDRAM, 4MB Flash, Standard firmware	79.00	77.00	76.00
860-DC-EM-02T-C	DC-EM-02T-C	EM Module with 8MB SDRAM, 4MB Flash, Customizable	79.00	77.00	76.00
860-DC-WEM-02T-S	DC-WEM-02T-S	Wi-EM Module with 8MB SDRAM, 4MB Flash, Stand. firmware	140.00	135.00	130.00
860-DC-WEM-02T-C	DC-WEM-02T-C	Wi-EM Module with 8MB SDRAM, 4MB Flash, Customizable	140.00	135.00	130.00

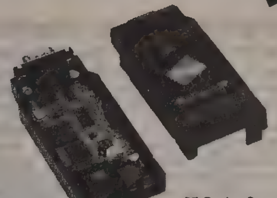
Development Kits and Tools

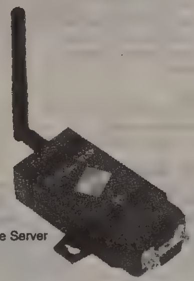
MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-DC-EM-01T-KT	DC-EM-01T-KT	EM Integration Kit (for use with "S" models)	299.00
860-DC-EM-01T-GN	DC-EM-01T-GN	EM Module Development Kit (for use with "C" models)	1495.00
860-DC-EM-01T-GN-NR	DC-EM-01T-GN-NR	EM Module Development Kit without Raven debugger (for use with "C" models)	895.00
860-DC-EM-01T-JT-DB	DC-EM-01T-JT-DB	EM Module Development Board with customizable JTAG ME module	299.00
860-DC-EM-01T-JT	DC-EM-01T-JT	EM Customizable module with JTAG interface	249.00
860-DC-WEM-01T-KT	DC-WEM-01T-KT	Wi-EM Integration Kit (for use with "S" models)	299.00
860-DC-WEM-01T-GN	DC-WEM-01T-GN	Wi-EM Module Development Kit (for use with "C" models)	1495.00
860-DC-WEM-01T-GN-NR	DC-WEM-01T-GN-NR	Wi-EM Module Development Kit without Raven debugger (for use with "C" models)	895.00
860-DC-WEM-01T-JT-DB	DC-WEM-01T-JT-DB	Wi-EM Module Development Board with customizable JTAG Wi-ME module	299.00
860-DC-WEM-01T-JT	DC-WEM-01T-JT	Wi-EM Customizable module with JTAG interface	249.00

DIGI INTERNATIONAL Embedded Modules & Development Tools

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIGI CONNECT® SP FAMILY WIRED AND WIRELESS DEVICE SERVERS


SP Device Server


Wi-SP Device Server

The Digi Connect SP device server delivers a powerful, compact and cost-effective off-the-shelf hardware platform for embedded networking solutions.

Built on leading NetSilicon 32-bit NET+ARM technology, the Digi Connect SP device server provides a powerful off-the-shelf hardware platform for embedded web and network applications with a seamless migration path to embedded modules and a fully integrated NetSilicon system-on-chip solution using the award-winning family of Ethernet-enabled NET+ARM microprocessors.

Features:
- 32-bit NET+ARM high-performance RISC processor (NS7520 55 MHz)
- 4 MB Flash and 16 MB RAM integrated
- Switch-selectable RS-232/422/485 interface (DB-9M)
    - Throughput up to 230,400 bps
    - 7, 8 data bits
    - 1, 1.5, 2 stop bits
    - Mark/space/even/odd parity
    - Full signal support with software/hardware flow control
- Auto-sensing 10/100 Mbit Ethernet interface and network link

Environmental:
- Operating Temp: -0°C to +60°C
- Relative Humidity: 5% to 90% (non-condensing)

Wi-SP Wireless Security:
- WEP (Wired Equivalent Privacy)
    - 64/128-bit encryption (RC4)
- WPA/WPA2/802.11i
    - 128-bit TKIP/CCMP encryption
    - 802.1X EAP authentication

Wi-SP Wireless Interface:
- Standard: IEEE 802.11b
- Frequency: 2.4 GHz
- Data rate: Up to 11 Mbps with automatic fallback
- Modulation: CCK (11/5 Mbps), DQPSK (2 Mbps), DBPSK (1 Mbps)
- Transmit power: 16 dBm typical
- Receive sensitivity: -82 dBm @ 11 Mbps
- Antenna connector: 1 x RP-SMA

Dimensions:
- Length: 4.188 in (10.64 cm)
- Width: 1.680 in (4.267 cm)
- Depth: 0.999 in (2.537cm)

Development Kit Contents:
- Digi Connect SP or Wi-SP w/JTAG
- Macgraigor Raven JTAG debugger
- NET+Works software components
- SMICng MIB compiler
- Micro XML SAX parser
- Additional utilities
    - HTML-to-C compiler
    - Flash download
- Sample code
- Documentation
- Cables
- Loop-back adapter
- Power supplies

Device Servers

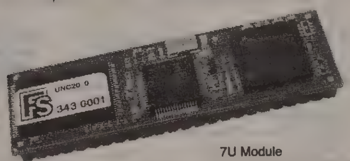
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each	
			1	10
860-DC-SP-01-C	DC-SP-01-C	Digi Connect SP Device Server Adapter	189.00	185.00

Development Kits and Tools

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-DC-SP-01-GN	DC-SP-01-GN	Digi Connect SP Adapter Development Kit	1495.00
860-DC-SP-01-GN-NR	DC-SP-01-GN-NR	Digi Connect SP Adapter Development Kit (No Raven Debugger)	895.00
860-DC-SP-01-JT	DC-SP-01-JT	Digi Connect SP Adapter Customizable model with JTAG interface	249.00

CONNECTCORE™ 7U POWERFUL ARM7 CORE MODULE


7U Module

Universal 32-bit NET+ARM embedded core processor module offers a wide range of component connectivity options and superior software design flexibility through complete development platform support options.

Built on leading NetSilicon 32-bit NET+ARM technology, the ConnectCore 7U is a powerful and universal embedded module in a compact 48-pin Dual In-line Package (DIP) form factor. It provides the ideal core processor platform for product designs demanding an additional level of performance, connectivity and development platform flexibility.

Complete and royalty-free LxNETES Linux and NET+OS development kits with development board, documentation, hardware debugging options, cables and accessories are available for evaluation/development use.

In addition, ready-to-run application-focused development kits for Java based development, serial LCD integration, CAN bus communication, Bluetooth connectivity, CompactFlash/WLAN support, and biometric fingerprint reading are also available. These kits provide all required hardware/software components and are specifically designed to reduce overall development cost and time-to-market of your products

Hardware:
- 32-bit NET+ARM high-performance RISC processor NS7520 @ 55 MHz
- 2/8 MB Flash and 16 MB RAM onboard
- Integrated 10/100 Mbps Ethernet MAC/PHY
- Two serial interfaces
    - UART mode w/data rates up to 230 Kbps
    - SPI mode (Master only)
- 8 KB serial EEPROM for configuration storage
- Standard mode I2C software bus interface (100 kHz)
- External memory bus interface
    - 10 address bits
    - 8 data bits
    - 2 external chip selects
- Two independent 27-bit timers (IRQ/FIQ, 2microseconds to 20 hours)
- On-board JTAG interface

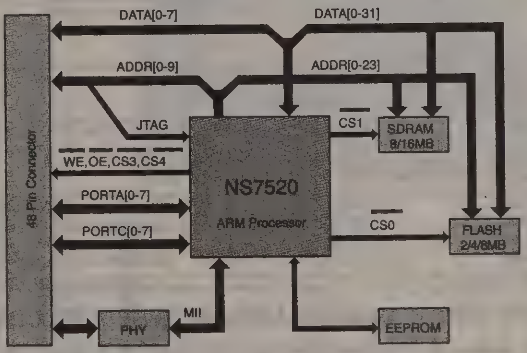
Ethernet Interface:
- Standard: IEEE 802.3
- Physical layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)

Power Requirements:
- 3.3VDC @ 280 mA (max)

Features:
- Core processor module in compact 48-pin DIP form factor
- Powerful 32-bit NET+ARM processor
- 16 MB RAM and up to 8 MB Flash
- Integrated 10/100 Ethernet MAC/PHY
- Up to 2 high-speed serial ports – UART and SPI (Master) configurations
- Standard mode I2C software interface
- 16 shared GPIO port options
- External memory bus interface
- Software design flexibility through royalty-free development platforms – NET+OS® and LxNETES™ Linux
- Optional VxWorks® support package
- Application-specific development kits – Java®, CAN, Bluetooth®, Biometrics, CompactFlash®/Wireless LAN, LCD

Environmental:
- Operating temperature: 0° C to +70° C (+32° F to +158° F)
- Relative humidity: 5% to 90% (non-condensing)

Dimensions:
- Length: 2.475 in (6.287 cm)
- Width: 0.728 in (1.850 cm)
- Height: 0.409 in (1.040 cm)



Block Diagram

Embedded Modules

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each	
			1	10
860-FS-355	FS-355	ConnectCore 7U Module with 16MB SDRAM, 2MB Flash	99.00	95.00
860-FS-353	FS-353	ConnectCore 7U Module with 16MB SDRAM, 8MB Flash, Fingerprint license	159.00	150.00
860-FS-352	FS-352	ConnectCore 7U Module with 16MB SDRAM, 8MB Flash	135.00	129.60
860-FS-373	FS-373	FS Forth UNC90 Module with 32MB SDRAM, 16MB Flash (Atmel AT91RM9200 MCU @ 180MHz)	159.00	159.00

Development Kits and Tools

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-FS-997	FS-997	Digi ConnectCore 7U Module Development Kit for LxNETES Linux	299.00
860-FS-998	FS-998	Digi ConnectCore 7U Module Development Kit for NET+OS	1495.00
860-FS-9007	FS-9007	Digi ConnectCore 7U Module Biometric Design Kit - !KENDI Fingerprint	895.00
860-FS-9021	FS-9021	Digi ConnectCore 7U Module Compact Flash Design Kit with 802.1b wireless	895.00
860-FS-9022	FS-9022	Digi ConnectCore 7U Module Java Design Kit - Java (Mika)	895.00
860-FS-985	FS-985	JTAG SuperBooster for programming flash memories with Software - 3 Volt	795.00

DIGI INTERNATIONAL Embedded Modules & Development Tools

Products may be RoHS compliant.
Check mouser.com for RoHS status.

CONNECTCORE™ 9C POWERFUL ARM9 CORE MODULE

Highly-integrated, compact DIMM form factor module based on the 155 MHz NS9360 ARM9 processor provides core processing functionality with integrated network connectivity.

Built on leading NetSilicon 32-bit NET+ARM technology, the ConnectCore 9C module also provides a seamless migration path to a fully integrated system-on-chip solution. Based on the easy-to-use and entirely royalty-free NetSilicon NET+Works® development platform, the ConnectCore 9C delivers a complete out-of-the-box solution for embedded software development. It provides all the integrated building blocks needed to quickly and cost-effectively create secure and fully network-enabled product solutions. This minimizes design risk and significantly accelerates the overall embedded software development process.

Hardware:
- 32-bit NS9360 high-performance RISC processor (155 MHz) w/MMU
- Board memory - 4 MB Flash /16 MB RAM
- Up to 4 high-speed TTL serial ports
- Up to 4 SPI ports
- I2C v1.0 bus interface
- USB 2.0 Host/Device Interface
- LCD controller
- General Purpose Timers/Counters/PWM
- 4 programmable external interrupts
- Up to 55 shared General Purpose
- Real-time clock

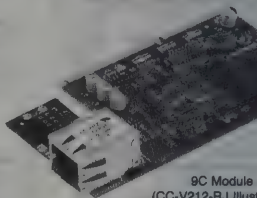
Dimensions:
- Length: 3.50 in (88.90 mm)
- Width: 2.10 in (53.34 mm)
- Height: 0.80 in (20.32 mm)

Network Interface:
- Standard: IEEE 802.3
- Physical Layer: 10/100Base-T
- Data rate: 10/100 Mbps
- Mode: Full or half duplex
- On-board connector: RJ-45 w/magnetics
- 802.3af power pass-through

Environmental:
- Operating temperature: -40° C to +85° C (-40° F to +185° F)
- Relative humidity: 5% to 95% (non-condensing)

Power Requirements:
- Module: 3.3VDC @ 450 mA max
- USB interface: 5VDC @ 500 mA max per port (optional)

Development Kit Contents:
- ConnectCore 9C module
- Development board
- Macgraigor Raven JTAG debugger or gdb software debugger
- Microcross™ GNU X-Tools
- Sample code
- Driver source code
- ThreadX Real-Time Operating System
- Fusion™ TCP/IP stack with full networking protocol
- Universal IP address assignment
- Network discovery services - ADDP, LDAPv3
- Allegro Software Embedded Web Server
- SSL 3.0/TLS 1.0 with strong encryption
- Flexible & robust file system supporting RAM & Flash
- SMICng SNMP MIB compiler
- Micro XML SAX parser
- Utilities - HTML-to-C compiler, Flash download



9C Module
(CC-V212-RJ Illustrated)

Embedded Modules

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each	
			1	10
860-CC-V212-RJ	CC-V212-RJ	ConnectCore 9C Module w/16MB SDRAM, 4MB Flash, Ethernet connector	160.00	156.80
860-CC-V212	CC-V212	ConnectCore 9C Module w/16MB SDRAM, 4MB Flash, Ethernet, Dual Stacked USB connectors	175.00	171.00

Development Kits and Tools

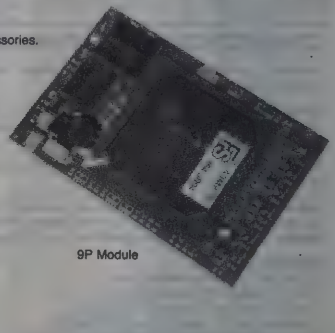
860-CC-9C-GN	CC-9C-GN	ConnectCore 9C Module Development Kit for NET+OS with Raven hardware debugger	2495.00
860-CC-9C-GN-NR	CC-9C-GN-NR	ConnectCore 9C Module Development Kit for NET+OS with software debugger	1895.00

CONNECTCORE™ 9P POWERFUL ARM9 CORE MODULE

Compact high-performance 32-bit NET+ARM processor module family combines superior performance and design integration flexibility with complete embedded software platform support.

Built on leading NetSilicon® 32-bit NET+ARM technology, the network-enabled ConnectCore 9P family provides a modular and scalable core processor solution that significantly minimizes software and hardware design risk and dramatically improves the time-to-market aspects of your product development process.

Complete and royalty-free development kits supporting the NET+OS, LxNETES Linux, and Microsoft Windows CE environments are available for platform evaluation and product development use. All development kits include a development board, hardware debugging options, board support packages, sample code, documentation, cables, and related accessories.



9P Module

Hardware:
ConnectCore 9P 9750
- 32-bit NET+ARM (ARM926EJ-S) high-performance RISC processor NS9750 @ 200 MHz
- Up to 128 MB NAND Flash and 64 MB SDRAM
- Integrated 32-bit PCI v2.2/Cardbus Bridge (33 MHz)
- 16 General Purpose Timers/Counters
- Up to 50 GPIO port options

ConnectCore 9P 9360
- 32-bit NET+ARM (ARM926EJ-S) high-performance RISC processor NS9360 @ 177 MHz
- Up to 128 MB NAND Flash and 128 MB SDRAM
- 8 General Purpose Timers/Counters or 4 PWM funct.
- Up to 73 GPIO port options

ConnectCore 9P Features:
- 240-pin core processor module in compact 60 x 44 mm form factor
- Integrated 10/100 Mbps Ethernet MAC/PHY
- Up to four serial interfaces w/UART and SPI mode
- Integrated USB 2.0 compliant host/device interface
- On-chip I2C bus interface (100/400 kHz)
- Flexible LCD controller with support for TFT/STN displays
- External memory bus interface
  - 32-bit data bus and 28-bit address bus
- Real-Time Clock (RTC) with external battery backup
- 8 KB serial EEPROM for configuration storage
- On-board JTAG interface
- USB host and device mode support
- Fast-mode I2C hardware interface

Ethernet Interface:
- Standard: IEEE 802.3
- Physical layer: 10/100Base-T
- Data rate: 10/100 Mbps
- Mode: Full or half duplex

Dimensions:
- Length: 2.362 in (6.0 cm)
- Width: 1.732 in (4.4 cm)
- Height: 0.395 in (1.0 cm)

Environmental:
- Operating temperature: 0°C to +70°C (+32°F to +158°F)
- Relative humidity: 5% to 90% (non-condensing)

Power Requirements:
- **9750** - 3.3VDC @ 600 mA (max)
- **9360** - 3.3VDC @ 400 mA (max)

Embedded Modules

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each	
			1	10
860-FS-380	FS-380	ConnectCore 9P (9750) Module with NS9750, 64MB SDRAM, 32 MB Flash	320.00	315.00
860-FS-383	FS-383	ConnectCore 9P (9360) Module with NS9360, 64 MB SDRAM, 64 MB Flash	229.00	219.00

Development Kits and Tools

860-FS-9064	FS-9064	ConnectCore 9P Module (9360) Development Kit for LxNETES - Linux	2495.00
860-FS-9053	FS-9053	ConnectCore 9P Module (9750) Development Kit for LxNETES - Linux	2495.00
860-FS-9032	FS-9032	ConnectCore 9P Module (9750) Development Kit for NET+OS	2495.00
860-FS-985	FS-985	FS Forth JTAG SuperBooster for programming flash memories with Software - 3 Volt	795.00

DIGI/ FS FORTH A9M2410/ A9M2440 EMBEDDED CORE MODULES

These high performance, Samsung processor based, modules are members of FS Forth-System's ModARM9 family of modular solutions for embedded systems. These modules includes SDRAM, Flash and control logic in a compact 60x44mm form factor. Low power consumption allows for battery-powered applications. Other typical applications include those in Industrial Automation, Retail Point-Of-Sale, Medical Instrumentation, Data Acquisition.

A9M2410:
- Samsung's S3C2410 microcontroller
- ARM920T core (200MHz) with MMU

A9M2440:
- Samsung's S3C2440 microcontroller
- ARM920T core (400MHz) with MMU

Features:
- LCD controller (STN & TFT)
- Touch screen interface
- USB 1.1 Host and Device controller
- 32/64/128 MBytes NAND Flash
- 16/32/64/128 MBytes SDRAM
- 3 UART channels
- I2C interface SPI interface
- Serial EEPROM for storing configuration parameters
- RTC
- Single 3.3V power supply
- Optional 10Mbps Ethernet controller CS8900A
- Size 60mm x 44mm with 240-pin connector

A9M2410 Module

Embedded Modules

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each	
			1	10
860-FS-365	FS-365	FS Forth A9M2410 Module with 32MB SDRAM, 32MB Flash No Ethernet	195.00	192.00
860-FS-362	FS-362	FS Forth A9M2410 Module with 32MB SDRAM, 32MB Flash with 10 Mbps Ethernet	215.00	211.00
860-FS-662	FS-662	FS Forth A9M2440 Module with 32MB SDRAM 32MB Flash, with 10Mbps Ethernet	209.00	205.00

Development Kits and Tools

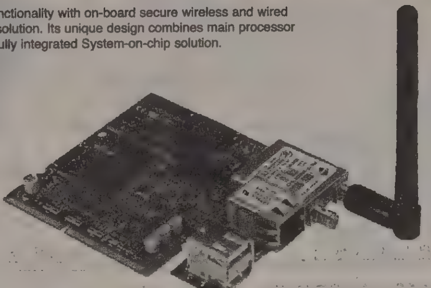
860-FS-9035	FS-9035	FS Forth A9M2410 Module Development Kit for LxNETES - Linux	2495.00
860-FS-9071	FS-9071	FS Forth A9M2440 Development Kit LxNETES - Linux	2495.00
860-FS-985	FS-985	FS Forth JTAG SuperBooster for programming flash memories with Software - 3 Volt	795.00

DIGI INTERNATIONAL Embedded Modules & Development Tools

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIGI CONNECTCORE™ WI-9C, 32-BIT 155 MHZ ARM 9 CORE MODULE

Highly integrated, compact SO-DIMM form factor core module based on the powerful NetSilicon® NS9360 processor combines main processing functionality with on-board secure wireless and wired network connectivity. Built on leading 32-bit NET+ARM technology, the ConnectCore Wi-9C module is a powerful network-enabled core processor solution. Its unique design combines main processor performance, secure wireless/wired network connectivity, embedded software and hardware design flexibility, and a seamless migration path to a fully integrated System-on-chip solution.



Features:
- Compact SO-DIMM Core Module
- Powerful 32-bit NS9360 w/ARM926EJ-S core
- Up to 256 Mbyte SDRAM/Flash
- 802.11b/g or 802.11a/b/g with strong WPA2/802.11i security
- 10/100 Mbit Ethernet interface
- I/O connectivity options: USB, UART, I2C, SPI, PWM, GPIO
- On-chip LCD controller
- Industrial operating temperature
- Pre-certified radio reduces cost, design risk and time to market
- FCC Class B compliant low emissions design
- Population options for unique design flexibility
- Complete embedded software platform offering with support and design services: ThreadX®, Microsoft® Windows® CE, Linux

Hardware:
- 32-bit NS9360 high-performance RISC processor @ 155 MHz
- Up to 256 MB Flash and 256 MB SDRAM
- Up to 4 Serial and SPI ports
- I2C v1.0 bus interface
- USB 2.0 host/device full speed interface
- On-chip LCD controller for TFT / STN LCD
- Up to 8 programmable timers/counters
- Up to 4 PWM functions
- Four programmable external interrupts
- Up to 55 shared General Purpose Input/Output (GPIO) ports
- Real-time clock

Environmental:
- Storage temperature: -50° C to 125° C (-58° F to 257° F)
- Operating temperature: -40° C to 85° C (-40° F to 185° F)
- Relative humidity: 5% to 90% (non-condensing)
- Altitude: 12,000 feet (3,658 meters)
- 3.3VDC @ 800 mA max

Network Interface:

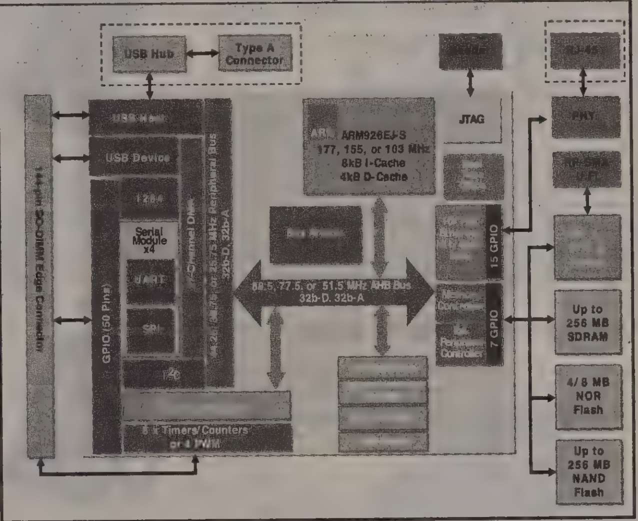
Wired
- Standard: IEEE 802.3
- Physical layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)
- Connector: RJ-45 w/magnetics (optional)

Wireless
- Standard: IEEE 802.11b/g
  - Frequency: 2.4 GHz -Data rate: Up to 54 Mbps w/fallback
  - Modulation: DBPSK (1 Mbps), DQPSK (2 Mbps), CCK (11,5.5 Mbps), BPSK (6,9 Mbps), QPSK (12,18 Mbps), 16-QAM (24, 36 Mbps), 64-QAM (48, 54 Mbps)
  - Transmit power: 16 dBm typical
  - Receive sensitivity: -73 dBm @54Mbps
- Standard: IEEE 802.11a
  - Frequency: 5 GHz
  - Data rate: Up to 54 Mbps w/fallback
  - Modulation: BPSK (6,9 Mbps), QPSK (12, 18 Mbps), 16 QAM (24, 36 Mbps), 64-QAM (48, 54 Mbps)
  - Transmit power: 16 dBm typical
  - Receive sensitivity: -66 dBm @ 54 Mbps
- Connector: 1/2 x RP-SMA or 2 x U.FL

Wireless Security:

WEP (Wired Equivalent Privacy)
- 64/128-bit encryption (RC4) WPA/WPA2/802.11i
- 128-bit TKIP/CCMP(AES) encryption
- 802.1x EAP authentication
  - LEAP (WEP only), PEAP, TTLS, TLS
  - GTC, MD5, OTP, PAP, CHAP, MSCHAP, MSCHAPv2, TTLS-MSCHAPv2
  - Pre-shared key mode (PSK)

Dimensions:
- Length: 3.06 in (7.76 cm)
- Width: 3.59 in (9.12 cm)
- Height: 0.80 in (2.03 cm)

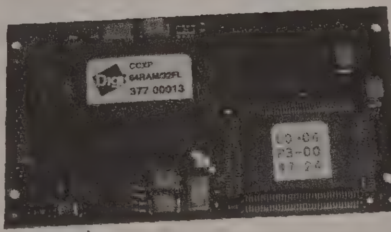

Block Diagram
USB Hub
Type A Connector
JTAG
RJ-45
PHY
RP-SMA U.FL
144-pin SO-DIMM Edge Connector
USB Device
I2C
Serial Module x4
UART
SPI
GPIO (50 Pins)
32b-D, 32b-A
ARM926EJ-S
177, 155, or 103 MHz
8kB I-Cache
4kB D-Cache
88.5, 77.5, or 51.5 MHz AHB Bus
32b-D, 32b-A
15 GPIO
7 GPIO
Up to 256 MB SDRAM
4/ 8 MB NOR Flash
Up to 256 MB NAND Flash
8 x Timers/Counters or 4 PWM

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each	
			1	10
860-CC-W9C-GN	CC-W9C-GN	ConnectCore Wi-9C NET+Works GNU Development Kit	2495.00	Call
860-CC-WI-9C	CC-WI-9C	ConnectCore Wi-9C Module	638.00	638.00

DIGI CONNECTCORE™ XP, 32-BIT 520 MHZ INTEL XSCALE CORE MODULE

High-performance core module with Intel XScale processor provides complete embedded platform support, combining industry-leading performance, multimedia capabilities and low power requirements in an ulta-compact form factor. The ConnectCore XP module introduces high-performance Intel XScale technology to the ConnectCore™ family of network-enabled embedded core processor modules. It provides the core processor platform solution of choice for applications demanding the combination of scalable Intel PXA270 performance at speeds up to 520 MHz, on-chip video and audio capabilities, low power requirements, integrated network connectivity, and complete embedded software platform flexibility. The ConnectCore XP offers a complete system on a module in an ultra-compact form factor with processor, on-board memory, integrated 10/100 Mbit network interface, LCD controller (VGA/SVGA), AC'97 and I2S audio codec interfaces, plus a complete set of peripheral connectivity options such as SSP/NSSP, I2C, UARTs, and IrDA. The external 32-bit address/ data bus interface provides additional flexibility and almost unlimited design freedom.


CCXP
64RAM/32FL
377 00013

Features:
- Intel PXA270 processor with Intel XScale microarchitecture core
- 64 MB SDRAM and 32 MB Intel StrataFlash®
- Wide variety of I/O connectivity options
- Strong multimedia capabilities w/LCD controller and audio interfaces
- Comprehensive USB 1.1 host/device interface support, plus USB 2.0 OTG
- Memory/expansion card interfaces
- External 32-bit memory bus interface
- Low-power requirements
- Complete embedded software platform offering w/support and design services -Microsoft Windows CE and Linux

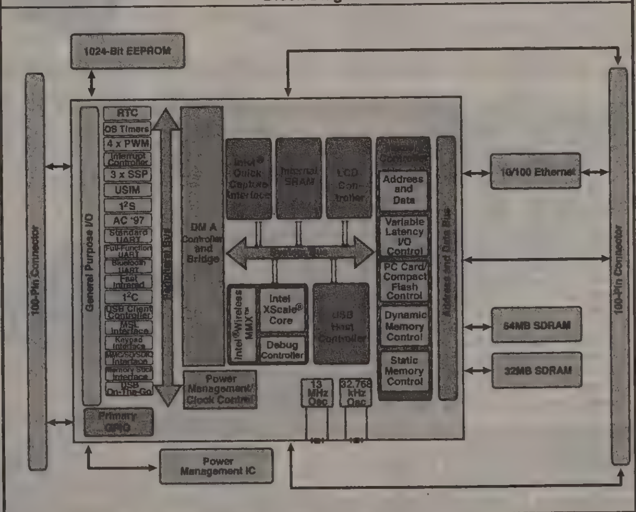
Ethernet Interface:
- Standard: IEEE 802.3
- Physical layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)

Environmental:
- Storage temperature: -50° C to +125° C (-58° F to +257° F)
- Operating temperature: 0° C to 70° C (32° F to 158° F)
- Relative humidity: 5% to 90% (non-condensing)

Power Requirements:
- 3.3VDC @ 190/350 mA (min/max)

Hardware:
- 32-bit Intel XScale PXA270 high-performance RISC processor @ 520 MHz
- 32 MB Intel StrataFlash and 64 MB SDRAM on-board
- 1024-bit 1-Wire® EEPROM
- Integrated 10/100 Mbps Ethernet MAC/PHY
- On-chip LCD controller for TFT/STN LCD panels – Up to SVGA (800x600) resolution w/up to 24 bpp color depth
- On-board USB 1.1 host/device and USB 2.0 OTG interface – Full speed (12 Mbps) and low speed (1.5 Mbps) modes
- 2 SSP/NSSP ports – Synchronous Serial Protocol (SSP), Serial Peripheral Interface (SPI), Microwire, Programmable Serial Protocol (PSP) modes
- 1 full-function UART w/maximum data rate of 921kbps – TX, RX, RTS, CTS, DTR, DSR, DCD, RI
- 1 Bluetooth UART w/maximum data rate of 921kbps – TX, RX, RTS, CTS
- Fast Infrared Communications Port (FICP) – Up to 4 Mbps half-duplex operation
- 1 I2C bus interface w/fast mode (400 KHz) support
- I2S interface and AC'97 audio controller
- 2 Pulse Width Modulator (PWM) signals
- Memory and expansion card interfaces – PCMCIA/CompactFlash®, SD/SDIO, MMC, and Memory Stick
- 32-bit external memory bus interface
- Up to 75 GPIO port options
- On-board JTAG interface

Dimensions:
- Length: 2.661 in (6.760 cm)
- Width: 1.444 in (3.670 cm)
- Height: 0.192 in (0.490 cm)


Block Diagram
1024-Bit EEPROM
100-Pin Connector
General Purpose I/O
RTC
OS Timers
4 x PWM
Interrupt Controller
3 x SSP
USIM
I²S
AC '97
Standard UART
Full-Function UART
Bluetooth UART
Fast Infrared
I²C
USB Client Controller
MSL Interface
Keypad Interface
MMC/SD/SDIO Interface
Memory Stick Interface
USB On-The-Go
Primary GPIO
DM A Controller and Bridge
Intel® Quick Capture Interface
Internal SRAM
LCD Controller
Intel® Wireless MMX™
Intel XScale® Core
Debug Controller
USB Host Controller
Power Management/ Clock Control
13 MHz Osc
32.768 kHz Osc
Address and Data
Variable Latency I/O Control
PC Card/ Compact Flash Control
Dynamic Memory Control
Static Memory Control
Address and Data Bus
10/100 Ethernet
64MB SDRAM
32MB SDRAM
100-Pin Connector
Power Management IC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each	
			1	10
860-FS-9077	FS-9077	LxNETES 3.2 Development Kit	2495.00	Call
860-FS-377	FS-377	ConnectCore XP 270 (520 MHz, 32/64)	295.00	295.00

DIGI INTERNATIONAL External Device Servers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIGI ONE® SP

Efficient RS-232/422/485 serial-to-Ethernet connectivity for applications requiring simple and cost-effective data communications.

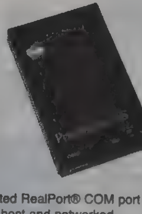
- Cost-effective serial-to-Ethernet connectivity
- 1 RS-232/422/485 switch selectable DB-9 serial port
- Compact form factor – only 3.7 in (9.4 cm) in length

The Digi One SP device server easily allows any device with a serial port to be connected to Ethernet. The compact design of the Digi One SP delivers cost-effective performance and capability in one of the smallest form factors available. The Digi One SP delivers efficient serial-to-Ethernet connectivity and is ideal for applications where TCP Socket, UDP Socket, or UDP multicast functionality is needed.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001851	70001851	Digi One SP	182.00
860-70001999	70001999	Digi One SP IA with Din Rail Kit	227.00

DIGI PORTSERVER® TS



Standard multiport RS-232/422/485 serial-to-Ethernet connectivity that is ideal for applications requiring low port count and seamless integration into existing application.

- Standard, reliable serial-to-Ethernet connectivity
- 1/2/4 ports; RS-232 RJ-45 serial
- 9-30VDC power supply
- Easy configuration using installation CD

PortServer TS delivers standard serial-to-Ethernet connectivity simply and reliably. It easily addresses the growing need to connect individual devices to the network over industry standard Ethernet in many applications. PortServer TS is ideal for applications requiring COM ports or where TCP/UDP Sockets, or UDP multicast functionality is required. It includes Digi's patented RealPort® COM port redirector technology which makes it possible to establish a connection between the host and networked serial device by creating a local COM or TTY port on the host computer, allowing existing software applications to work without modification.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70002041	70002041	Digi PortServer TS 1 (1 PORT)	303.00

DIGI PORTSERVER® TS W MEI

Universal, high-performance RS-232/422/485 serial-to-wireless connectivity. Advanced features include WEP (64- and 128-bit), SSH, easy management and many more.

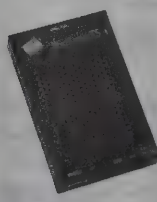
- Easily connect serial devices to an 802.11b wireless Ethernet network
- Switch selectable RS-232/422/485 serial RJ-45
- WEP encryption (64-/128-bit)
- 1/2/4 port models available

The PortServer TS W MEI family of device servers makes it easy to network-enable serial devices to a wireless 802.11b infrastructure. Users will appreciate the new external antenna and hidden wireless card offered by the versatile one-, two-, and four-port solutions. PortServer TS W MEI also delivers easy installation through an auto-run wizard on the CD for Microsoft® and UNIX® platforms, RS-232/422/485 serial ports for connectivity to almost any serial interface, and many advanced networking features.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001954	70001954	Digi PortServer TS 1 W MEI (1 PORT)	721.00

DIGI PORTSERVER® TS H MEI



Hardened solution delivers high-performance RS-232/422/485 serial-to-Ethernet connectivity. Designed specifically for traffic management, pipelines or any application requiring extended operating ambient temperatures of -35° C to +70° C.

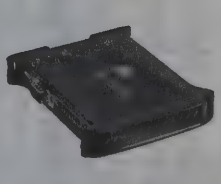
- Extended temperature tolerance
- Locking power connector
- 1/2/4 port models available
- Switch-selectable RS-232/422/485 RJ-45 serial

The PortServer TS H MEI family of device servers is designed specifically for utility plants, pipelines, traffic management facilities or any remote application requiring a hardened serial-to-Ethernet solution that can withstand extreme temperatures. Available in 1/2/4-port versions, PortServer TS H MEI makes it easy to network-enable and remotely manage variable message signs, loop detectors, ramp meters or any RS-232/422/485 serial device.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001917	70001917	Digi One TS H 1 (1 PORT)	455.00

DIGI ONE® IA



The Digi One IA device server delivers easy and reliable serial-to-Ethernet and Modbus-to-Modbus/TCP connectivity solutions for industrial automation applications

- Switch selectable RS-232/422/485 for use with virtually any device with a serial port
- Extended input voltage of 9-30VDC with screw terminal connections
- 32° F to 140° F (0° C to 60° C) operating temperature to meet the demands of the factory floor
- An industrial strength, ergonomic enclosure designed to mount vertically on a standard 35 mm DIN rail, saving valuable cabinet space
- Industry-leading low latency to meet the strict data throughput requirements for CNC/DNC equipment and other applications

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001862	70001862	Digi One IA	364.00
860-70001876	70001876	Digi One IA Modem, RS232 only w/ V.92 56Kmodem	273.00

DIGI CONNECT® WI-SP

The industry's first secure 802.11b wireless device server delivers leading network-to-serial connectivity and strong WPA2/802.11i security.

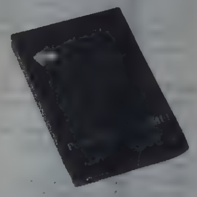
- Compact design with integrated mounting tabs
- Switch selectable RS-232/422/485 interface
- Enterprise-class WPA2/802.11i wireless security
- Product integration and customization flexibility

The Digi Connect Wi-SP is the industry's first wireless device server providing enterprise-class wireless security through a complete set of strong encryption and authentication services, which are compliant with the WPA2 and 802.11i standards.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-DC-WSP-01-S	DC-WSP-01-S	Digi Connect Wi-SP	378.00

DIGI PORTSERVER® TS MEI



Universal, high-performance device servers for RS-232/422/485 serial-to-Ethernet connectivity. Advanced features include SSH v2, SNMP, PPP, port buffering and many more.

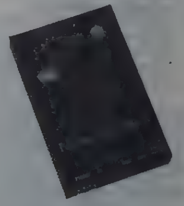
- Standard, reliable serial-to-Ethernet connectivity
- 1/2/4 serial port models available
- Switch selectable RS-232/422/485 RJ-45 serial

PortServer TS MEI (Multi-Electrical Interface, RS-232/422/485) makes it easy to connect any serial device to your network. Available in 1, 2 and 4 port models, it combines the inherent benefits of data networking with proven asynchronous connectivity to deliver powerful, yet simple Ethernet connectivity for all your serial devices. PortServer TS MEI delivers universal and powerful features including data security via SSH v2, port buffering, and full SNMP management, making it ideal for applications like console management where device management and monitoring are critical.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001805	70001805	Digi PortServer TS 1 MEI (1 PORT)	364.00

DIGI PORTSERVER® TS M MEI MODEM



Device server with internal modem provides both IP networking and standard phone line dial-up connectivity for remote access to RS-232/422/485 serial devices.

- Device server with internal modem
- Modem connection can act as backup during network failure
- Access remote devices and IP networks via internal modem

The new PortServer TS M MEI family offers Ethernet and RS-232/422/485 serial connections, with the addition of an internal modem. The one- and three-port device servers are ideal for applications requiring both IP networking and standard phone line dial-up connectivity for remote access to serial devices. The embedded modem adds another level of flexibility to the PortServer TS line. It allows remote hosts to dial in to a serial device attached to a device server, as well as the serial device to dial out to a remote location using a standard phone line. The modem helps to create a PPP connection so that applications and devices can communicate via an IP network, even when the primary LAN or WAN is not available.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001898	70001898	Digi PortServer TS 1 M MEI (1 PORT)	507.00

DIGI PORTSERVER® TS P MEI

Designed for universal, high-performance RS-232/422/485 serial-to-Ethernet where traditional power alternatives such as powered Ethernet and powered serial are required.

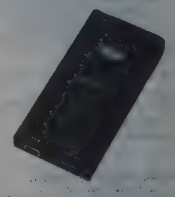
- Supports powered Ethernet and powered serial
- One, two or four RS-232/422/485 ports

The PortServer TS P MEI family makes it easy to connect RS-232/422/485 serial devices to an IP network. By supporting versatile powering options like powered Ethernet and powered serial, PortServer TS P MEI can adapt to many applications where traditional power alternatives are required. PortServer TS P MEI delivers universal, high performance multiport serial-to-Ethernet connectivity. It is ideal for applications requiring COM ports, serial tunneling, or where TCP/UDP Socket functionality is needed.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-70001988	70001988	Digi PortServer TS 1 P MEI (1 PORT)	455.00

DIGI EASYPOWER™



The Digi EasyPower family provides simple, safe and efficient device power over existing LAN data cabling (Ethernet). It is ideal for applications where power outlets are not available at the optimal device location.

- Provides simple, safe and efficient device power over Ethernet
- 1/6 power and data ports
- IEEE 802.3af compliant

The Digi EasyPower provides one or six data/Ethernet ports for connecting powered Ethernet devices to the corporate hub/switch. The Digi EasyPower has two ports for each device. One port provides power and can transmit/receive data to the powered Ethernet device. The second port connects to the corporate hub/switch for Ethernet connectivity. The Digi EasyPower makes powering device servers easy and cost-effective. There is no need to provide separate power supplies for the Digi One® IAP, PortServer® TS P MEI family and Digi Connect® 50. The Digi EasyPower is fully compatible with the IEEE 802.3af standard.

For quantities of 10 and up, call for quote.

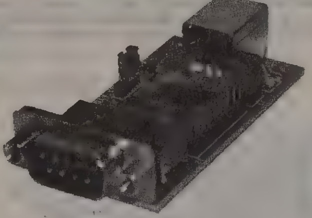
MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-76000660	76000660	EasyPower Powered Ethernet Hub	227.00

USB Interface Products

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FTDI EVAL232R SERIAL TO USB EVALUATION MODULE

The EVAL232R is a USB to RS232 development and evaluation module for the FT232RL IC device. Additional header pins on the board provide access to the FT232RL device's configurable CBUS interface pins. Powered from USB, the EVAL232R supports both 5V and 3V level IO interface voltage on the CBUS via a jumper setting. Full RTS/CTS and DTR/DSR hardware handshaking are supported. DCD and RI are also available. Data transfer rates from 300 baud to 1 mega baud at RS232 levels. LEDs are fitted to indicate activity on the FT232RL's TXD and RXD lines, thus showing when the module is transmitting or receiving data.

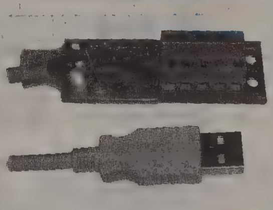


MOUSER STOCK NO.	FTDI Part No.	Description	Price Each
626-DLP-EVAL232R	EVAL232R	FTDI Evaluation Module for FT232RL	21.00

DLP-IO8 USB BASED 8-CHANNEL DATA ACQUISITION MODULE

NEW FROM SUPPLIER

The DLP-IO8 Data Acquisition Module is a low-cost, easy-to-use data acquisition system for measuring voltages, controlling and monitoring processes, and acquiring temperature data. Each of the 8 available channels can be configured for any ot the digital, analog, or temperature modes via single-byte commands. All operational power is taken from the host PC via the USB port.



Features:

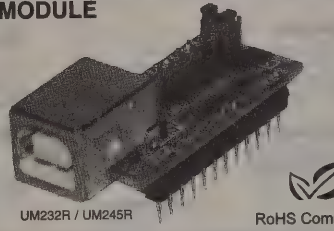
- 8 Channels: Digital I/O, Analog In, Temperature
- USB 1.1 and 2.0 Compatible Interface
- Easy to use with single byte commands - Can utilize a simple terminal emulator to control all functions.
- USB Port Powered
- Small Footprint; Easily Fits on Desktop

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each			
			1	10	50	100
626-DLP-IO8	DLP-IO8	USB-Based 8-Channel Data Acquisition Module	29.96	29.10	27.25	26.75

FTDI UM232R USB SERIAL MODULE

The UM232R module is a USB - Serial UART (TTL) development module for the FT232R IC device. The UM232R is supplied on a PCB designed to fit a 24 pin DIP socket and provides access to all UART and CBUS interface pins of the FT232R device. The UM232R can be configured as either USB bus-powered or self-powered and also supports 5V or 3V level interface IOs via two sets of jumper setting pins. Full hardware handshaking is supported and the UM232R can communicate at up to 3MBaud at TTL/CMOS levels.



UM232R / UM245R

RoHS Compliant

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each
626-DLP-UM232R	UM232R	FTDI UM232R USB Serial Module	20.00

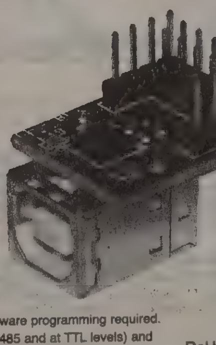
FTDI UM245R USB FIFO MODULE

The UM245R can be configured as either USB bus-powered or self-powered and also supports 5V or 3V level interface IOs via two sets of jumper setting pins. The UM245R can transfer data at up to 1 MegaByte per second. Ideal for rapid prototyping and development of FT245R designs, an attractive quantity discount structure also makes this module suitable for incorporation into low/medium volume finished product designs.

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each
626-DLP-UM245R	UM245R	FTDI UM245R USB FIFO Module	20.00

FTDI MM232R MODULE

The MM232R is a mini development module for the FT232RQ IC device. It is a little bigger than a USB connector and provides USB - Serial UART interface in a extremely small form factor. It is ideal for new development purposes, and also for adding a USB interface to existing product designs. Based on the FT232RQ device, the MM232R supports RTS/CTS hardware handshaking and is powered from the USB port. Serial data communication is possible at up to 3MBaud at TTL level. In addition, some of the EEPROM configurable CBUS pins of the FT232R are brought out allowing the MM232R to be used to provide clock signals to external logic. Two 1x4 and one 2x4 board headers with a standard 0.1" pitch are supplied with the MM232R to allow for rapid prototyping and development.



- Single chip USB to asynchronous serial data transfer interface.
- Entire USB protocol handled on the chip - No USB-specific firmware programming required.
- Data transfer rates from 300 baud to 3 Megabaud (RS422 / RS485 and at TTL levels) and 300 baud to 1 Megabaud (RS232).

RoHS Compliant

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each
626-DLP-MM232R	MM232R	FTDI MM232R Module	18.00

FTDI UC232R "CHIPI" USB TO RS232 CABLE

The UC232R "ChiPi" USB to RS232 converter is an evaluation cable for the FT232R. It utilizes the minimum number of components required for a basic USB - RS232 converter designed using the FT232RL. Using the FT232R with an RS232 level converter and a few capacitors, the ChiPi is a CE and FCC approved module that is one of the simplest USB - RS232 solutions around. Using a standard DB9 connector and powered from the USB port, the ChiPi can be used with the VCP drivers to provide a COM port on a PC which is capable of communicating with RS232 devices at up to 250kBaud.

- UC232R converter cable provides USB to RS232 (DB9) interface.
- FCC and CE Class B approval
- Connect to a PC via standard USB 'A' plug on 30cm USB cable.
- Full design files available from FTDI website.

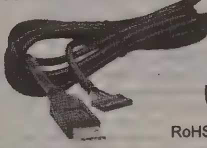
RoHS Compliant

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each
626-DLP-UC232R	UC232R	FTDI USB to RS232 Cable	20.00

FTDI USB TO TTL SERIAL CONVERTER CABLE

The new TTL-232R is a USB - TTL serial converter cable which will allow for a simple way to connect serial TTL level devices to USB.

The TTL-232R uses a FT232RQ chip which is housed within the USB "A" connector. A 1.8 meter (6 foot) cable is terminated with a 6 way 0.1" pitch header socket which provides access to the Transmit (Tx), Receive (Rx), RTS#, and CTS#, as well as VCC (5V) and GND

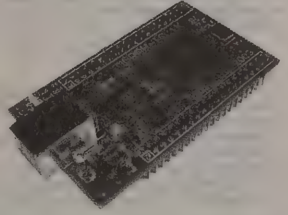


RoHS Compliant

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each
626-DLP-TTL232R	TTL-232R	USB to TTL Serial Coverter Cable (5V I/O)	20.00
626-DLP-TTL-232R-3V3	TTL-232R-3V3	USB to TTL Serial Coverter Cable (3.3V I/O)	20.00

FTDI MORPH-IC FPGA BASED MODULE

The FTDI Morph-IC module combines the flexibility of the FT2232C interface together with an Altera ACEX 1K series FPGA in a compact ready to use module. The power and IO pins of the module are brought out onto 2 x 20-pin, 0.1in pitch headers on the underside of its PCB, allowing easy connection to the pins. The module can also be plugged into a PCB using readily available mating connectors (two supplied). Morph-IC uses the Multi Protocol Synchronous Serial Engine (MPSSE) interface of the FT2232C to program/reprogram the FPGA over USB in a fraction of a second. No external FPGA programmer or serial EEPROM devices are required to use Morph-IC. The module is powered directly from the USB port and so does not require an external power supply. Morph-IC comes complete with a CD containing USB drivers, a Windows interface DLL with example code in several different programming languages. A full demo project is included, demonstrating how to use and interface to the module. VHDL source code and application software code (in Delphi) is included. Linux drivers and a Linux loader program are also included for those who are interested in alternative operating systems. The package also includes a Quartus II Software Starter Suite CD courtesy of Altera, which contains software for simulation and synthesis of the on-board FPGA, so no other software is required for FPGA development.



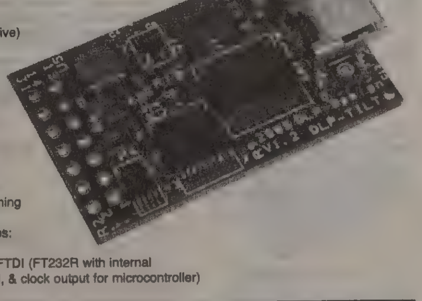
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each			
			1	25	100	500
626-DLP-MORPHIC-RB	MORPHIC-RB	USB FPGA Module in Retail Box with CD	89.95	87.21	85.68	83.98
626-DLP-MORPHIC-OEM	MORPHIC-OEM	USB FPGA OEM Module Only	83.90	79.10	76.20	74.78

DLP TILT MODULE

USB-Based Tilt Sensor / Accelerometer / Vibration Analysis / AC Signal Analysis Module. The DLP-TILT USB-to-accelerometer module incorporates the FT232RL USB UART into its design and has many applications:

- Vibration Analysis
- AC Signal Analysis
- Tilt Sensing
- Two-button mouse (pointing device alternative)
- +1-5V Analog In (single channel)
- Data Aquistion: 0-5V analogin, digtial 1/0
- Robotic/Motion Sensing and Control



Features:

- Microcontroller preprogrammed with data-acquisition functions
- 2-Axis, 2g accelerometer
- Single-byte access to all firmware features
- Virtual COM port drivers for easy programming interface
- Continuously streaming analog sample rates: 100-6K samples per second
- 4th-Generation USB Interface silicon from FTDI (FT232R with internal ceramic resonator, internal setup EEPROM, & clock output for microcontroller)

MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP-TILT	DLP-TILT	DLP TILT USB Based Module	50.00

DLP DESIGN USB Interface Products

Products may be RoHS compliant.
Check mouser.com for RoHS status.

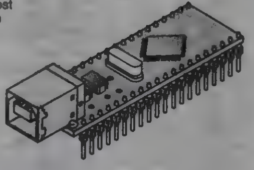
"Add USB to your next project–it's easier than you might think!"

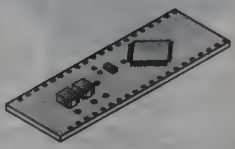
DLP Design's USB Interface products provide a high-speed, hot-swappable, user-friendly connection between your electronic device and a host PC. The USB interface will provide up to 500mA at 5 volts of power for your electronics. These boards make the extremely complex USB interface easy for just about anyone to start using, without requiring any in-depth prior knowledge.

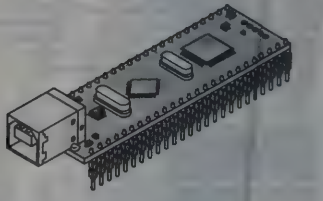
DUAL CHANNEL USB ADAPTERS

626-DLP2232M-G

The DLP-2232M uses FTDI's FT2232C 3RD generation Dual Channel USB-FIFO/UART and offers a simple solution for interfacing ASIC/MCU/FPGA/DSP based designs to a host computer via USB. Each channel can be configured for either USB-UART or USB-FIFO via the on-board setup EEPROM. Rev 3 silicon from FTDI. No in-depth knowledge of USB required!


626-DLP2232M-G


626-DLP2232ML-G


626-DLP2232PB-G

626-DLP2232ML-G

Same functional design as the DLP-2232M, the DLP-2232ML is perfect for space constrained designs.

- Dual channel, each can be configured for USB-FIFO or USB-UART
- Up to 8 megabit per second data rate
- USB 1.1/2.0 Compatible

626-DLP2232PB-G / 626-DLP2232PB-CCS

The DLP-2232PB uses FTDI's 3RD generation FT2232C USB IC and a PIC Microchip 16F877A to form a rapid prototyping development tool. On-board firmware uploader included - no device programmer required!

- Simple USB-FIFO interface to PIC Microchip 16F877A microcontroller
- On-board device programmer for uploading firmware to the 16F877A - no device programmer required!
- Plugs into a standard 50 pin, 0.9in wide DIP socket
- Example source code provided for Token firmware feature
- Up to 2 megabit per second data rate to host computer.
- USB 1.1/2.0 Compatible
- CCS Version includes a DLP2232PB Module and CCS Compiler CD (Limited Version)
- RoHS Compliant

RoHS Compliant

Embedded Modules

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each			
		1	10	50	100
626-DLP2232M-G	DLP-2232M-G	35.00	33.43	32.09	30.95
626-DLP2232ML-G	DLP-2232ML-G	35.00	33.43	32.09	30.95
626-DLP2232PB-G	DLP-2232PB-G	50.00	45.00	42.00	41.00

Development Tool

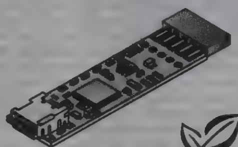
MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP2232PB-CCS	DLP2232PB-CCS	DLP-2232PB Module & Compiler	110.00

USB TO SERIAL ADAPTER

This USB-to-serial adapter is designed to easily connect a microcontroller/DSP/FPGA/etc to a host PC or upgrade a legacy RS232 device to USB with minimal design effort. Virtual Com Port (VCP) drivers are provided royalty-free that make the DLP-TXRX look like a standard Windows/Linux/Mac RS232 port to the users host program. An attractive quantity discount structure makes this module suitable for incorporation into low- and medium-volume finished products.

Features:

- Connection to host PC/Mac made via mini USB connector
- As few as 2 wire serial interface (RX, TX and ground)
- Standard baud rates from 300 to 921,600 baud
- Support for non-standard baud rates (ApNote AN232-01)
- Open-collector output available for resetting microcontroller under software control (DTR)
- Input provided for user-selectable interface voltage
- Red and green LEDs to indicate transmit and receive activity



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each	
		1	100
626-DLP-TXRX-G	DLP-TXRX-G	20.00	19.00

DLP-D USB BASED SECURITY DONGLE

The DLP-D Security Dongle is pre-programmed with a unique identification number (Serial Number) that is readable over USB but cannot be altered by any means. Since each serial number is unique, this device provides a way of linking application software to a specific hardware dongle with a high level of security.

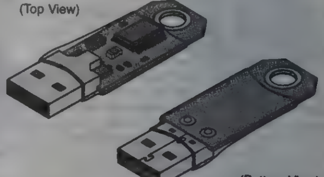
Features:

- Hard-coded, unique serial number
- USB 1.1 and 2.0 compatible interface
- Small size; easily fits on key chain
- 3rd-Party support for application development

Applications:

- Access control
- Copy protection

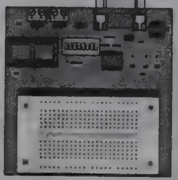
RoHS Compliant


(Top View)
(Bottom View)

MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP-D-G	DLP-D-G	USB Security Dongle	12.99

DLP-PROTO PROTOTYPING BOARD

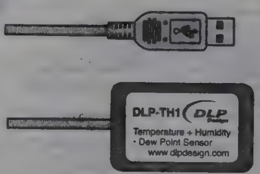
Works with both the DLP-USB232M and DLP-USB245M modules. Great for prototyping new designs. Example source code provided for enabling Bit-bang mode in Visual C++ and Visual Basic. Makes easy work of prototyping and testing USB-to-RS232 designs. LED indicators for data lines and selected status lines.



MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	25	100
626-DLP-PROTO	DLP-PROTO	Prototype testing board. C++ and Visual Basic enabled	90.00	81.82	76.50

DLP-TH1 TEMPERATURE AND HUMIDITY SENSOR

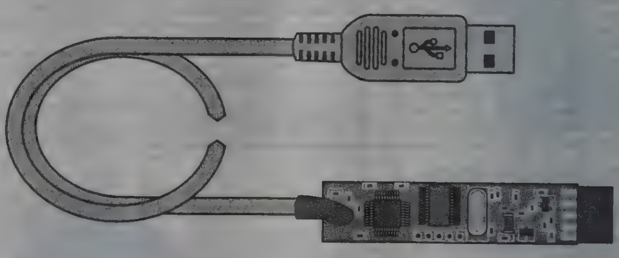
The DLP-TH1 is shipped with Windows 98/ME/2000/XP compatible software and USB drivers. Additionally, the most recent versions of the application software and USB drivers for the DLP-TH1 are available as a free download from www.dlpdesign.com/usb/th1.html.



RoHS Compliant

MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	25	100
626-DLP-TH1-G	DLP-TH1-G	Temperature and Humidity Sensor	99.95	91.77	83.49

DLP-FLASH PROGRAMMER



The DLP-FLASH is an innovative USB based adapter for programming both Scenix (Ubicom) and Microchip PIC Flash based MPU's. Not only is it the ideal companion for the DLP USB/Microcontroller modules and training kits, but is a worthy addition to the toolkit of any hobbyist or professional who develops projects using either family of MPU's.

No additional cables or external power source required. All power is taken from the USB port via the provided USB cable. In-circuit programming -- no more loading the target microcontroller into a device programmer. Full application software provided.

Compatible With:	
PIC Microchip	**Scenix/Ubicom**
16F84A	SX28
16F870	SX48
16F871	
16F872	
16F873	
16F874	
16F876	
16F877	

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	25	100
626-DLP-FLASH	DLP-FLASH	DLP-Flash Device Programmer	85.00	77.27	72.25

DLP DESIGN USB Interface Products

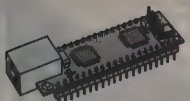
Products may be RoHS compliant.
Check mouser.com for RoHS status.

"Add USB to your next project--it's easier than you might think!"

DLP Design's USB Interface products provide a high-speed, hot-swappable, user-friendly connection between your electronic device and a host PC. The USB interface will provide up to 500mA at 5 volts of power for your electronics. These boards make the extremely complex USB Interface easy for just about anyone to start using, without requiring any in-depth prior knowledge.

USB MICROCONTROLLER DEVELOPMENT BOARDS

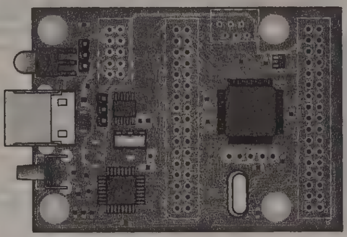
RoHS Compliant



DLP-245SY-G

- Simple USB-FIFO interface to Parallax SX48 microcontroller (50MHz)
- Plugs into a standard 40-pin, 0.6in wide DIP socket
- Example source code provided for Token firmware feature
- Up to 7 megabit per second data rate to host computer
- USB 1.1 compliant
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required

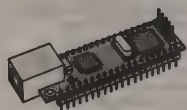
The DLP-245SY is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a Ubicom SX48 microcontroller and royalty free USB drivers. It plugs into a standard 40 pin 0.6in wide DIP socket and is ideal for rapid prototyping and development of USB / Ubicom based designs. Token I/O code pre-programmed into the SX48's ROM for basic port pin input/output capability including access to an external, on-board EEPROM, and external digital temperature sensors. The SX48's Flash ROM can be easily erased and reprogrammed if required using the optional DLP-Flash Programmer. Refer to the datasheet for full details.



DLP-245PL-G

- Simple USB-FIFO interface to PIC Microchip 18LF8720 microcontroller
- 50 I/O pins (including A/D inputs) plus 8-bit data bus
- Example source code provided for Token firmware feature
- Up to 2 megabit per second data rate to host computer
- USB 1.1/2.0 compatible
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required
- RoHS Compliant

The DLP-245PL is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a PIC 18LF8720 MPU and royalty free USB drivers. The 18LF8720 microcontroller is preprogrammed with basic functionality for accessing the port pins and can be reprogrammed with user hex code via a 5-pin header that is compatible with Microchip's MPLAB ICD2 device programmer/debugger (purchased separately). Refer to the datasheet for full details.



DLP-245PL-G-CCS

- Simple USB-FIFO interface to PIC Microchip 16F877 microcontroller
- Plugs into a standard 40-pin, 0.6in wide DIP socket
- Example source code provided for Token firmware feature
- Up to 2 megabit per second data rate to host computer
- USB 1.1/2.0 Compatible
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required

The DLP-245PB is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a PIC 16F877 MPU and royalty free USB drivers. It plugs into a standard 40 pin 0.6in wide DIP socket and is ideal for rapid prototyping and development of USB / PIC based designs. Token I/O code pre-programmed into the 16F877's ROM for basic port pin input/output capability including access to the A/D, EEPROM, and external digital temperature sensors. The 16F877's Flash ROM can be easily erased and reprogrammed if required using the optional DLP-Flash Programmer. Refer to the datasheet for full details.

For quantities of 500 and up, call for quote.

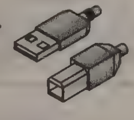
MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	25	100
626-DLP-245SY-G	DLP-245SY -G	DLP-245SY USB/Microcontroller PCB	44.95	43.50	43.25
626-DLP-245PL-G	DLP-245PL -G	DLP-245PL USB/Microcontroller PCB	65.00	62.50	59.15
626-DLP-245PL-G-CCS	DLP-245PL-G-CCS	DLP-245PLA-G Module and CCS Compiler	125.00	125.00	125.00

USB CABLES

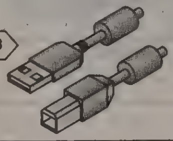
Features:

- UL2725 Cable
- 100% Open, short & mis-wire tested
- RoHS Compliant

A



B



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Length (In.)	Description	Price Each			
					1	10	25	100
172-1024-E	A	Black	1.8M (71)	USB A male to USB B male	3.26	2.71	2.47	2.24
172-1027-E	B	Black	1.5M (59)	Filtered USB A male to USB B male	3.88	3.24	2.54	2.67

USB ADAPTER BOARDS

RoHS Compliant

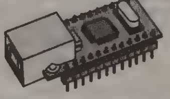
DLP-USB245M-G

- Add USB connectivity to your next project
- Up to 8 megabit per second data rate
- USB 1.1 compliant
- Simple FIFO interface to MCU, FPGA, CPU, etc.
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required
- RoHS Compliant

The DLP-USB245M USB-FIFO adapter offers a simple straight-forward solution for interfacing ASIC or MCU based designs to USB. It comes complete with royalty-free drivers for most common operating systems. Features include an easy to use FIFO-like interface, a data transfer rate of up to 8 megabits per second and a standard .6 inch, 24 pin DIP footprint.

DLP-USB232M-G

- Easily convert legacy RS-232 devices to USB
- Up to 3 megabaud data rate
- USB 1.1 compliant
- Full handshaking & modem interface signals
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required
- RoHS Compliant



The DLP-USB232M USB-UART Adapter PCB is the ideal solution for upgrading legacy RS232 designs to USB. It comes complete with royalty-free drivers for most common operating systems. Features include data transfer rates of up to 3 million baud, a full set of modem handshaking controls and a standard .6 inch, 24 pin DIP footprint.

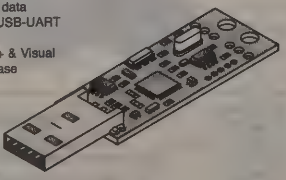
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Package	Price Each		
				1	25	50
626-DLP-USB245M-G	DLP-USB245M-G	DLP-USB245M USB-FIFO Adapter PCB	DIP-24	25.00	22.73	21.25
626-DLP-USB232M-G	DLP-USB232M-G	DLP-USB232M USB-UART Adapter PCB	DIP-24	25.00	22.73	21.25

USB DATA ACQUISITION

Schematics available on-line. USB 1.1 Compliant.
The onboard PIC12F629 microcontroller can be reprogrammed with user code (requires programmer). Drivers and test applications can be downloaded from the website

Acquire data from the world around you using these USB based data acquisition boards. Learn how to interface to FTDI's FT232BM USB-UART IC using small microcontrollers & simple RS232-like commands. Demonstration code now available upon purchase for Visual C++ & Visual Basic. Microcontroller C source code also available upon purchase



626-DLP-TEMP-G

- DLP-TEMP 2-Channel Temperature Acquisition Board
- Monitor & log digital temperature data from 1 or 2 sensors (one DS18B20 sensor included with purchase of board)
- RoHS Compliant

USB-UART & PICMicro Based Data Acquisition Board

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each			
		1	10	50	100
626-DLP-TEMP-G	DLP-TEMP-G	25.00	23.00	22.00	21.00

MINIATURE USB MICROCONTROLLER MODULE

NEW FROM SUPPLIER

Measuring in at only 1.375x0.6 inches, this new module is our lowest cost and smallest USB to Microcontroller module to date. The DLP-232PC uses single byte commands and FTDI's Virtual COM Port (VCP) drivers to provide an easy to use USB interface to a PIC 18F2410 microcontroller. Features include 14 I/O channels (8 can be used for analog inputs measuring 0-5 volts), a standard 0.3 inch wide DIP footprint and preprogrammed firmware for easy access to the I/Os and external digital temperature sensors (purchased separately).

RoHS Compliant

Miniature, Low Cost, USB to Microcontroller Module

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each		
		1	10	25
626-DLP-232PC	DLP-232PC	29.95	29.00	28.75

FTDI UART Chips and Vinculum Host Controllers

RoHS Compliant **This page of product is compliant.**

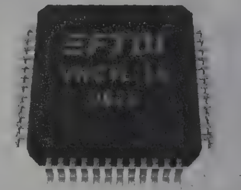
The VNC1L USB Host Controller ICs not only handle the USB Host Interface, and data transfer functions but owing to the inbuilt 8/32-bit MCU and embedded Flash memory, VNC1L encapsulates the USB device classes as well. When interfacing to mass storage devices such as USB Flash drives, VNC1L also transparently handles the FAT file structure communicating via UART, SPI or parallel FIFO interfaces via a simple to implement command set. The VNC1L device features two USB Ports which can be individually configured by firmware as Host or Slave ports. VNC1L brings cost effective USB Host capability to products that previously did not have the hardware resources available. As VNC1L comes complete with FTDI's in-house developed firmware, there are no USB software stacks to license, indeed, no knowledge of USB is required to use these devices.

FTDI VNC1L-1A USB HOST CONTROLLER IC

The VNC1L device which features two USB Ports which can be individually configured by firmware as Host or Slave ports.

RoHS Compliant

Features:
- 8/32 bit V-MCU Core
- Dual DMA controllers for hardware acceleration
- 64k Embedded Flash Program Memory
- 4k internal Data SRAM
- 2 x USB 2.0 Slow/Full speed Host/Slave Ports
- UART, SPI and Parallel FIFO interfaces
- PS2 legacy Keyboard and Mouse Interfaces
- Up to 28 GPIO pins depending on configuration
- 3.3V operation with 5V safe inputs
- Low power operation (25mA running/2mA standby)
- Inbuilt FTDI firmware easily updated in the field
- LQFP-48 RoHS compliant package
- Multi-processor configuration capable



For quantities of 1000 and up, call for quote.

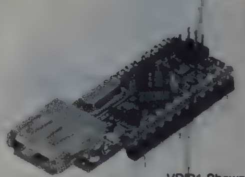
MOUSER STOCK NO.	FTDI Chip Part No.	Description	Price Each			
			1	50	100	500
895-VNC1L-1A	VNC1L-1A	FTDI Vinculum Host Controller IC	10.25	8.75	8.25	7.90

FTDI VDIP1 AND VDIP2 MODULE

The VDIP modules are MCU to USB host controller development modules for the VNC1L device. The VDIP1 is supplied on a PCB designed to fit a 24-pin DIP socket and the VDIP2 is supplied on a PCB designed to fit into a 40-pin DIP socket and provides access to all UART, SPI and FIFO interface pins of the VNC1L device. All other Vinculum I/O pins are also accessible.

RoHS Compliant

Features:
- Jumper selectable UART, SPI or FIFO MCU Interfaces
- Uses FTDI's VNC1L device
- Single 5V supply input
- Auxiliary 3.3V/200mA power output to power external logic
- Power and traffic indicator LEDs
- VDIP1: USB "A" type socket to interface with USB peripherals
- VDIP2: Two vertically mounted USB "A" type sockets to interface with USB peripheral devices



VDIP1 Shown

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FTDI Chip Part No.	Description	Price Each	
			1	10
895-VDIP1	VDIP1	FTDI Vinculum MCU to USB Host Controller Module	26.80	24.15
895-VDIP2	VDIP2	FTDI Vinculum MCU to 2 USB Host Controller Module	32.75	29.95

FTDI VDRIVE2 MODULE

VDRIVE is possibly the easiest solution for adding a USB Flash drive interface to existing products. Only four signal lines plus 5V/GND require to be connected. Using the VDIF firmware, the interface can be selected between UART or SPI modes using the on-board jumpers.

RoHS Compliant

Features:
- One USB "A" socket to connect to USB Flash Drive
- Uses FTDI's VNC1L device
- Link Selectable UART or SPI interface
- Only 4 signals to connect excluding PWR/GND
- 0.1" (2.54mm) pitch 6-pin connector compatible with TTL-232R-3V3 for easy evaluation
- Single 5V supply required
- Uses VDIF firmware and command set

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FTDI Chip Part No.	Description	Price Each	
			1	10
895-VDRIVE2	VDRIVE2	FTDI Vinculum Flash Drive Interface Module	26.80	24.15

FTDI VMUSIC2 MODULE

VMUSIC is a product that not only lets you add USB Flash drive interfacing to your product but allows you to play back MP3 and other popular digital music formats direct from a USB Flash drive.

RoHS Compliant

Features:
- One USB "A" socket to connect to USB Flash Drive
- Stereo 3.5mm headphone jack socket and audio line-out connector for audio playback.
- Uses FTDI's VNC1L device coupled with VLSI VS1003 IC for music playback.
- Link Selectable UART or SPI interface
- Only 4 signals to connect excluding PWR/GND
- 0.1" (2.54mm) pitch 6-pin connector compatible with TTL-232R-3V3 for easy evaluation
- Single 5V supply required
- Uses extended VDIF command set

For quantities of 50 and up, call for quote.

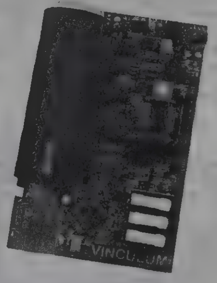
MOUSER STOCK NO.	FTDI Chip Part No.	Description	Price Each	
			1	10
895-VMUSIC2	VMUSIC2	FTDI Vinculum Flash Drive Interface w/MP3 Module	41.05	37.01

FTDI DLP-VLOG MODULE

Features:
- Virtually unlimited data storage utilizing FTDI's new Vinculum™ USB Host IC
- Data logged to USB Flash drive
- Low-power modes for long battery life
- System power via two AA batteries
- Lead-free; RoHS compliant

RoHS Compliant

Development Kit Includes:
- VDLP-VLOG module
- C source code for the microcontroller firmware
- Windows support software for real time clock setup
- Windows data conversion software
- C compiler and device programmer/debugger
- 32MB USB Flash drive containing all documentation, software & source code



The DLP-VLOG is intended as both a demonstration platform for the new Vinculum IC as well as a learning tool. The development kit is designed to log temperature, humidity and voltage data to a USB Flash drive. Using the Vinculum IC from FTDI, this system demonstrates how one can provide virtually unlimited data storage for a small microcontroller.

This system can be beneficial to electronics enthusiasts with virtually any level of technical expertise. Based on the Vinculum Host Controller IC and the Microchip PIC16F88 Microcontroller, the DLP-VLOG can function as a digital design trainer, a microprocessor development system or as a rapid path to learning how to implement a USB Host Controller for interfacing a USB Flash drive to a small microcontroller.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	FTDI Chip Part No.	Description	Price Each
626-DLP-VLOG	DLP-VLOG	DLP VLOG Vinculum Development Kit	250.00

USB-UART AND USB INTERFACE IC'S

FTDI USB To Serial UART IC Devices:

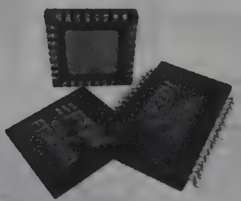
The FT232BL includes a 3.3V regulator, USB Tranceiver that provides USB 1.1 / USB 2.0 full speed physical interface and a 6MHz Oscillator. The FT232RL/RQ has all the features of the BL but includes onboard EEPROM, as well as a 12MHz Oscillator and the FTDIChip-ID™ security dongle feature. The FT232R features a wide range of royaltyfree FTDI developed drivers for 32 and 64 bit operating systems including Windows, CE, XP, Vista, Linux and Mac OS.

FTDI FT2232 Dual UART/FIFO IC Devices:

The FT2232 device features two multi-purpose UART/FIFO controllers which can be configured individually in several different modes. As well as a UART interface, a FIFO interface and the Bit-Bang IO mode of the FT232B and FT245B devices, the FT2232 offers a variety of additional new modes of operation including a Multi-Protocol Synchronous Serial Engine (MPSSE) interface which is designed specifically for synchronous serial protocols such as I2C, JTAG and SPI bus. The FT2232D has an extended temperature range (-40°C to +85°C) and adds CPU FIFO mode.

FTDI FT245R USB To Parallel FIFO IC Devices:

The FT245R is a USB to parallel FIFO interface, with the new FTDIChip-ID™ security dongle feature. In addition, asynchronous and synchronous bit bang interface modes are available. USB to parallel designs using the FT245R have been further simplified by fully integrating the external EEPROM, clock circuit and USB resistors onto the device. The FT245R adds a new function compared with its predecessors, effectively making it a "2-in-1" chip for some application areas.



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FTDI Chip Part No.	Description	Price Each			
			1	50	100	500
895-FT232RL	FT232RL	FTDI USB to Serial UART IC, 28 Pin SSOP	3.99	3.64	3.11	2.61
895-FT232RQ	FT232RQ	FTDI USB to Serial UART IC, 32 Pin QFN	3.99	3.64	3.11	2.61
895-FT232BL	FT232BL	FTDI USB to Serial UART IC, 32 Pin LQFP	4.95	4.45	3.85	3.56
895-FT245RL	FT245RL	FTDI USB to Parallel FIFO IC, 28 Pin SSOP	4.15	3.80	3.37	2.77
895-FT245RQ	FT245RQ	FTDI USB to Parallel FIFO IC, 32 Pin QFN	4.15	3.80	3.37	2.77
895-FT245BL	FT245BL	FTDI USB to Parallel FIFO IC, 32 Pin LQFP	4.95	4.45	3.85	3.56
895-FT2232L	FT2232L	FTDI Dual USB UART/FIFO I.C, 48 Pin LQFP	6.95	6.26	5.42	4.85
895-FT2232D	FT2232D	FTDI Dual USB UART/FIFO I.C, 48 Pin LQFP	6.95	6.26	5.42	4.85

LANTRONIX Embedded Device Servers

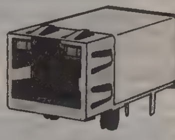
LANTRONIX®

Products may be RoHS compliant.
Check mouser.com for RoHS status.

Lantronix recognizes that design engineers are looking for a simple, cost-effective and reliable ways to seamlessly embed network connectivity into their products. With very little effort, minimal development time and at a fraction of the time required to develop an in-house solution, OEMs can add full Ethernet and/or wireless connectivity to their products so they can be managed over a network or the Internet. Why build it from scratch yourself when we can provide a small module that's ready for your application? Lantronix embedded device servers are a cost-effective and reliable way to seamlessly embed network connectively into your products. Our expertise in device networking, a stable real-time operating system (RTOS) and TCP/IP stack enables you to add full Ethernet and/or wireless connectivity your products with minimal effort, programming and development time. Lantronix's compact, cost-effective embedded device networking products deliver a complete feature set, including encryption, serial support options, management flexibility, 10/100 Base-T Ethernet or wireless connectivity, and the ability to customize.

XPort®/ XPort® AR - Embedded Device Server

XPort® is the most compact, integrated solution available to web-enable any device with a serial interface. By simply adding XPort to a product design, device manufacturers can now offer Ethernet connectivity as a standard feature within weeks—instantly increasing product value, enhancing end-user experience and facilitating new service delivery options.


XPort® Illustrated

XPort® Features:
- Minimal engineering effort required to web enable a serial device
- Remote command and control of edge devices
- Real-time edge device status via e-mail alerts
- 256-bit AES encryption for secure communications
- EMC/EMI-compliant; RoHS-compliant
- Everything you need – all in a single RJ45 package

XPort® AR Features:
- A fully programmable device computing platform based on corporate IT standards – Cisco®-like CLI, XML, RSS
- Web-enable up to three electronic devices, quickly and easily
- Provide robust "data center grade" security, including SSL and SSH, for networked devices
- Offer true IEEE 802.3af compliant pass-through Power over Ethernet (PoE)

RoHS Compliant

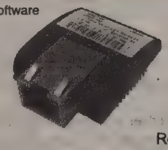
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
XPort®			
515-XP1001000-03R	XP1001000-03R	XPort XE - 10/100 Ethernet Transceiver to Serial Interface; RoHS; Extended Temperature	52.00
515-XP1001001-03R	XP1001001-03R	XPort XE - 10/100 Ethernet Transceiver to Serial Interface; RoHS; Commercial Temperature	49.00
515-XP1001000M-03R	XP1001000M-03R	XPort XE - 10/100 Ethernet Transceiver to Serial Interface; RoHS; Extended Temperature, with MODBUS	55.00
515-XP1002000-03R	XP1002000-03R	XPort SE - 10/100 Ethernet Transceiver to Serial Interface with 256-bit AES Encryption; RoHS; Extended Temperature	53.25
515-XP1002001-03R	XP1002001-03R	XPort SE - 10/100 Ethernet Transceiver to Serial Interface with 256-bit AES Encryption; RoHS; Commercial Temperature	52.00
515-XP100200S-03R	XP100200S-03R	XPort SE - 10/100 Ethernet Transceiver to Serial Interface with 256-bit AES Encryption; RoHS; Extended Temp. - Sample	54.50
515-XP1004000-03R	XP1004000-03R	XPort 485 - RS-485 Support with 256-bit AES Encryption; RoHS; Extended Temperature	55.00
515-XP100400S-03R	XP100400S-03R	XPort 485 - RS-485 Support with 256-bit AES Encryption; RoHS; Extended Temperature - Sample Package	57.00
515-XP100200K-03	XP100200K-03	XPort with Evaluation Board, Cables, Power Supply and Software; Commercial Temperature; Encryption	140.00
XPort®AR			
515-XP3002000-01R	XP3002000-01R	XPort AR – Ethernet to Serial Embedded Processor Module with SSH Client & Server, SSL, 1024-bit AES (Rijndael), 3DES and RC4 Encryption, Public/Private-keys, and password protection; Extended Temperature	88.00
515-XP300200S-01R	XP300200S-01R	XPort AR – Ethernet to Serial Embedded Processor Module with SSH Client & Server, SSL, 1024-bit AES (Rijndael), 3DES and RC4 Encryption, Public/Private-keys, and password protection; Extended Temperature - Sample Package	90.00
515-XP300200K-01	XP300200K-01	XPort AR with Evaluation Board, Cables, Power Supply and Software; Commercial Temperature; Encryption	189.00

XPort® Direct™ - Embedded Device Gateway

NEW FROM SUPPLIER

Features:
- Affordable network connectivity gateway for any device with a serial interface on its microcontroller
- Complete TCP/IP protocol stack and Windows deployment software
- Compact low profile (<12 mm)
- Two GPIO pins
- Integrated module with RJ45 featuring dedicated networking SoC
- Up to 230 Kbps data rate
- 2 x 12 pin,2 mm headers
- RS-232/RS-485 ready



RoHS Compliant

For quantities of 100 and up, call for quote.

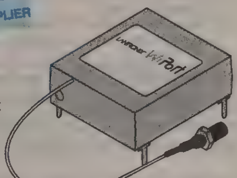
MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-XD1001000-01	XD1001000-01	Device Network Ethernet Module	29.95
515-XD100100S-01	XD100100S-01	Device Network Module Sample	33.75
515-XD100100K-01	XD100100K-01	Device Network Module Demo Kit	119.00

WiPort™ / WiPort™NR - Wireless Embedded Device Server Modules

NEW FROM SUPPLIER

WiPort™ Features:
- Serial to 802.11 b/g conversion
- Wired ethernet to 802.11 b/g WLAN bridging
- Optional end-to-end 128, 192 and 256 bit AES encryption
- WPA, PSK, TKIP security, 128 bit WEP encryption
- Easy configuration through a web interface
- Embedded web server

RoHS Compliant



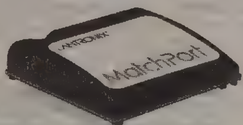
WiPort™NR Features:
- Ethernet 10/100 connectivity
- Two serial inputs
- PoE-capable with external circuitry
- EMC/EMI-compliant
- Optional 256-bit AES Rijndael encryption for secure communications
- 2MB of Flash memory
- 11 GPIO pins
- Electrical Interface to CAN and SPI Bus available
- Extensive networking protocol support including TCP/IP

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each	
			1	10
515-WP2001000G-02	WP2001000G-02	Standard WiPort	119.00	117.00
515-WP2002000G-02	WP2002000G-02	Standard WiPort with AES	123.00	120.00
515-WP200200SG-02	WP200200SG-02	Sample Package-WiPort w/Software	126.00	- - -
515-WP5001000-01	WP5001000-01	NR Extended Temp; AES encryption	55.00	54.25
515-WP200200KG-02	WP200200KG-02	Development Kit	299.00	- - -
515-930-033-R	930-033-R	Accessory Antenna	8.50	7.00

MatchPort™ - Embedded Wireless Device Server

MatchPort™ b/g enables you to build wireless networking into virtually any electronic device with a serial interface. With this full-featured, turnkey embedded device server module your products can be wirelessly accessed and controlled over the Internet!



PRODUCT NEW

RoHS Compliant

MatchPort b/g Features:
- Extremely affordable embedded 802.11 b/g wireless networking
- Common platform form factor for a family of wired and wireless module
- Bulletproof security with IEEE 802.11i-PSK, WPA-PSK, TKIP and optional 256-bit AES end-to-end encryption
- Full TCP/IP stack, web server and Windows deployment software
- Up to 230 Kbps data rate
- FCC Class B, UL and EN EMC and safety-compliant
- Compact: 45mm x 45mm with 40-pin 2 mm header

MatchPort AR Features:
- Application-ready, secure SSL/SSH networking module for high-volume applications
- Low cost, high-performance, 32-bit, 166Mhz 159 MIPS platform
- Built-in CGI and AJAX web server
- Pin compatible family includes 802.11 b/g wireless
- Ethernet MAC/PHY; add only RJ45 jack and magnetics to device's PCB
- SNMP V2c ready, MIB II support
- "Cisco-like" CLI, XML, serial and Telnet management capability

For quantities of 100 and up, call for quote.

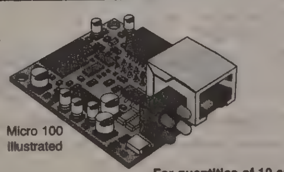
MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-MPR3002000-01	MPR3002000-01	MatchPort AR, Bulk	45.00
515-MPR300200S-01	MPR300200S-01	MatchPort AR, Sample	49.95
515-MP1001000G-01	MP1001000G-01	MatchPort b/g	76.00
515-MP100200SG-01	MP100200SG-01	MatchPort b/g AES	88.67
515-MP10010NMK-01	MP10010NMK-01	MatchPort Demonstration Kit	105.33

Micro 100 / WiMicro™ Board Level Device Servers

The Lantronix Micro100 is a board-level product for OEM users who want to embed proven mainstream Ethernet connectivity in their products quickly and economically.

Micro 100 Features:
- Flexible, well-developed IP protocol stack
- Ethernet RJ45 (10/100Base-T) connector on the board
- Accepts 5 VDC regulated input power
- HTTP, serial, Telnet and SNMP management
- Flash ROM for easy software upgrades
- Custom protocol support available
- 256-bit AES encryption for secure communications
- TTL serial interface
- Two serial ports

WiMicro™ Features:
- Upgrade to board level wireless – quickly and easily
- Form factor compatible with our Micro and Micro100 boards
- "Plug and Play" wireless connectivity
- Wireless security using 128-bit WEP and WPA-PSK, TKIP
- End-to-end security using 256-bit Rijndael encryption
- Data Rate: 300bps to 230 Kbps
- Embedded web server


Micro 100 Illustrated

RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-MO00AA002-01R	MO00AA002-01R	Micro100 Board - No RJ45 Jack, No LEDS, includes TTL Pin Header, RoHS Compliant	72.00
515-MO11AA002-01R	MO11AA002-01R	Micro100 Board - includes RJ45 Jack, LEDS, TTL Pin Header, RoHS Compliant	72.00
515-MO22AA002-01R	MO22AA002-01R	Micro100 Board - Pin Headers for Ethernet, TTL, and LED connections, RoHS Compliant	72.00
515-MO11AA0E2-01R	MO11AA0E2-01R	Micro100 Board with AES Encryption - includes RJ45 Jack, LEDS, TTL Pin Header, RoHS Compliant	77.00
515-MICRO100KIT	MICRO100-KIT	Micro100 Board Kit - Micro100 with Carrier Board, Cables, Adapter, Power Supply and Software	149.00
515-WM11A0002-01	WM11A0002-01	WiMicro Board - Micro Board with WiPort Embedded Device Server (802.11 networking), 128-bit WEP/WPA Encryption	165.00

LANTRONIX Device Servers

LANTRONIX®

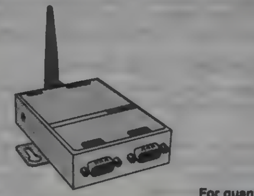
Products may be RoHS compliant.
Check mouser.com for RoHS status.

EXTERNAL DEVICE SERVERS

External device servers from Lantronix can network-enable just about any device with serial connectivity in a matter of minutes. They provide the ability to remotely control, monitor, diagnose and troubleshoot your equipment over a network or the Internet. And they enable you to preserve your investment in your present equipment. You can choose Ethernet or wireless, advanced encryption for maximum security, and device servers designed for commercial or heavy-duty industrial applications.

WiBox® - Wireless External Device Servers

WiBox® dual-port device servers enable you to connect serial devices to 802.11b/g wireless networks, quickly and easily. By merging wireless communications and Lantronix device server technology, WiBox simplifies connectivity to devices in applications where mobility is required or cabling is impractical.



WiBox® Features:

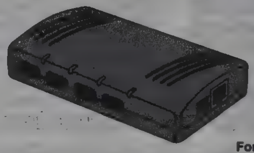
- Enables access to remote devices while minimizing costly cabling
- Provides network mobility for untethered communication
- Two DB9 DTE serial ports supporting RS-232, RS-422 or RS-485 communication
- Compact size enables it to fit almost anywhere
- Industry standard 802.11b/802.11g wireless interface
- Secure wireless communication: WEP, WPA, TKIP
- 256-bit AES – end-to-end encryption
- Ethernet-or-wireless bridging

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-WB2100EG1-01	WB2100EG1-01	Serial to 802.11b wired or wireless device server with 10/100 Ethernet. Two serial ports (DB9-male, DTE) pinned the same as a standard PC and 4kv direct ESD protection provided for both serial, domestic power supply, 9-30 Volt DC.	**349.00**
515-WB2100EG0-01	WB2100EG0-01	Board level Serial to 802.11b wired or wireless device server with 10/100 Ethernet. Two serial ports (DB9-male, DTE), pinned the same as a standard PC and 4kv direct ESD protection provided for both serial, domestic power supply, 9-30 Volt DC.	**349.00**

UBox® - USB - to - Ethernet Device

UBox removes the distance limitations of USB, enabling you to access USB peripherals over a network. These devices can be individually dedicated or shared among users, maximizing your USB device investment.



UBox® Features:

- Enables USB peripherals to be shared over a network
- Eliminates distance limitations of USB
- Removes the necessity of a dedicated PC
- Ethernet enabled USB host controller
- 4 USB ports (12Mbps)
- 10/100 Ethernet interface
- Supports DHCP, Static IP or Zero config IP addressing

RoHS Compliant

For quantities of 10 and up, call for quote.

515-UB4100001-02	UB4100001-02	"UBox® USB-to-Ethernet Device Server, enables 4 USB ports to be shared over a network, 10/100 Ethernet Interface, US Power, Windows® 98/ME/NT200/XP-based software included.	**179.00**

UDS/EDS - External Device Servers

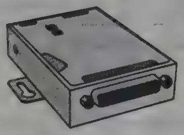
The UDS single-port and dual port device servers provide a quick, simple and cost-effective way to bring the advantages of data accessibility and remote management to equipment not currently connected to a network.

UDS Features:

- Replace expensive dedicated PCs with fast and reliable networking technology
- Compact size enables it to fit almost anywhere
- Supports RS-232, RS-422 and RS-485 serial connections
- 10Mbps or 10/100 Mbps Ethernet through an RJ45 connector
- Configure via HTTP, DHCP, Telnet or serial
- Flash ROM for easy upgrades

EDS Features:

- Remotely monitor, manage and share devices over a network or internet
- True IEEE 802.3af POE



UDS1100 Illustrated

RoHS Compliant

For quantities of 10 and up, call for quote.

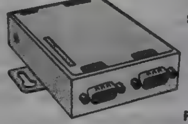
MOUSER STOCK NO.	Lantronix Part No.	RoHS Compliant	Description	Price Each
515-UD1100001-01	UD1100001-01	YES	1 DB25F RS232C/485/422 DCE serial interface, 2 10/100 (RJ45) ethernet interface external 110Volt AC adapter.	**149.00**
515-UD2100001-01	UD2100001-01	YES	2 DB9M RS232 serial interfaces, a 10/100 (RJ45) Ethernet interface, and Lantronix robust operating system. Installation is simple using our Device Installer utility, and web browser.	**249.00**
515-UD11000P0-01	UD11000P0-01	YES	1 DB25F RS232C/485/422 DCE serial interface, 2 10/100 (RJ45) ethernet interface, PoE via 802.3AF power source	**199.00**
515-MSS100-21	MSS100-21	YES	1 DB25M DTE RS232 serial port, 10/100 RJ45 networking port, concurrent IPX, TCP/IP and LAT support, Flash ROM, diagnostic LEDs, installation guide, CD-Rom with EZWebCon software, Com Port Redirector software, 110Volt AC Adapter.	**349.00**
515-ED41000P0-01	ED41000P0-01	YES	EDS 4100, 4 DB9M serial ports, 2 RS-232, 2 RS-232/422/485, 10/100 RJ45 network interface, POE - 802.3af power source. Power connections: 9-30 VDC barrel and 42-56 VDC screw terminal. No power supply included.	**475.00**

SecureBox® - Secure External Device Servers

The SecureBox family of device servers offers the most secure way to add formerly isolated electronic equipment to the Ethernet network. With this capability, virtually any device with a serial port can be remotely accessed and controlled securely over the network or the Internet. This adds an unprecedented level of flexibility and efficiency to your business, and breathes new life into your existing equipment.

Features:

- Securely network-enable serial devices with 128-256 bit AES-certified encryption
- Transparent communications - no need to develop special software
- Two RS-232 DTE serial ports pinned the same as PC for easy connection
- 10/100 Ethernet Interface



SD2100001-01 Illustrated

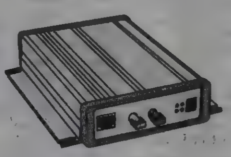
RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Lantronix Part No.	Description	Price Each
515-SD1100001-01	SD1100001-01	Secure Serial Interface (RS-232, RS-422, RS-485), 10Base-T/100Base-TX Ethernet, diagnostic LEDs, AC power adapter, CD-ROM with configuration tools and documentation, printed Quick Start Guide	**225.00**
515-SD1101002-11	SD1101002-11	Secure Serial Interface Dual DB9 RS232 DTE serial ports, 10Base-T/100Base-TX Ethernet, diagnostic LEDs, AC power adapter, CD-ROM with configuration tools and documentation, printed Quick Start Guide	**259.00**

CoBox® -FL - External Fiber Optic Device Servers

The CoBox-FL is the first Device Server to support fiber optic cabling. The CoBox-FL enables devices to connect to an Ethernet network over fiber optic medium. It provides exceptional functionality for users with IP applications requiring two serial ports.



Features:

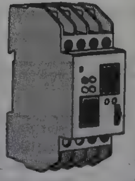
- Flexible, well-developed TCP/IP protocol support
- RJ45 (10BASE-T) and ST Multi-mode Fiber (10BASE-FL) Ethernet interfaces
- RS-232 and RS-485 serial connections via a DB-9 and a DB-25 serial ports
- Serial speeds up to 115Kbps supported
- Configurable via internal WEB server, serial port, and Telnet login
- 128-bit encryption for the maximum level of security
- Flash ROM for easy software upgrades

For quantities of 10 and up, call for quote.

515-COBOX-FL-11	COBOX-FL-11	1 DB9 (RS-232) serial port, 1 DB25 (RS232/485/422) serial port, 1 10-BASE-T (RJ45) plus 1 10-BASE-FL Ethernet port, FlashROM, CD-ROM with Device Comm Manager software, external Universal 100-240Volt AC.	**574.00**

XPress-DR - DIN Rail Mount Industrial Device Servers

Remotely configure, program, monitor, and manage: PLCs, Drives, Process Controls, Power Monitoring Equipment, Barcode Scanners, and other factory floor serial devices



Features:

- Connect enterprise (ERP, MES) systems to factory floor devices without disturbing existing control networks
- Allow remote firmware upgrades, saving money and time from manual upgrades
- Includes industrial protocols MODBUS, TCP, MODUS ASCII/RTU, DFI
- Configurable serial interface supports RS-232, RS-422, or RS-485
- 10Base-T/100Base-TX Ethernet (RJ45)
- Isolated serial and Ethernet ports
- FM-approved for hazardous locations Class I, Div. 2

RoHS Compliant

For quantities of 10 and up, call for quote.

515-XSDRIN-02	XSDRIN-02	Din Rail mounting, RS422/232/485, RJ45 plus screw terminal serial port, 10/100-BASE-T Ethernet networking port, Diagnostic LEDs, CD-ROM with configuration tools, installable industrial communication drivers.	**425.00**

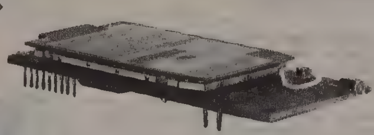
MULTI-TECH Universal Sockets and Embedded Modems

MultiTech Systems

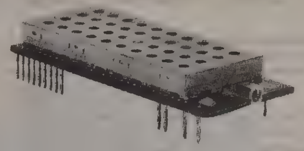
Products may be RoHS compliant.
Check mouser.com for RoHS status.

A

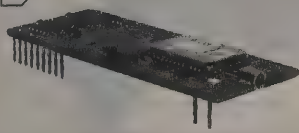
B



C

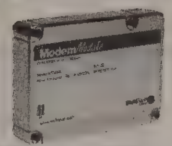


D

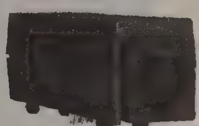


E

F



G



Multi-Tech's embedded device networking solutions instantly add communication ability to your existing or new product with minimal engineering effort giving you an edge on your competition while accelerating your time-to-market. Backed by 35+ years of proven modem experience and rock-solid performance, Multi-Tech sets the standard for quality and performance in the industry. With complete global compliance, Multi-Tech gives you an edge on your competition while accelerating your time-to-market.

UNIVERSAL SOCKET MODULES

Multi-Tech's Universal Socket is a flexible, comm-port architecture that provides cellular, Ethernet, PSTN or Wi-Fi® network access with interchangeable modules.

Features:

- Interchangeable socket module
- Quick-to-market
- Global approvals
- Easy migration to future networks

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Fig.	Description	Voltage	Price Each			
					1	25	50	100
SocketModem®								
899-MT2456SMI-22R3SP	MT2456SMI-22.R3-SP	A	V22bis Serial Data Only	5V	26.60	25.60	24.93	24.30
899-MT5600SMI-34R2SP	MT5600SMI-34.R2-SP	A	V.34bis Serial Data/Fax	5V	39.79	38.79	37.78	36.82
899-MT5600SMIL34R2SP	MT5600SMI-L-34.R2-SP	A	V.34bis Serial Data/Fax	3.3V	37.36	36.36	35.42	34.52
899-MT5656SMIV34R2SP	MT5656SMI-V-34.R2-SP	A	V.34 Serial Data/Fax , Speakerphone	5V	42.21	41.21	40.14	39.13
899-MT5600SMI-92R2SP	MT5600SMI-92.R2-SP	A	V.92 Serial Data/Fax	5V	42.21	41.71	41.21	39.13
899-MT5600SMIL92R2SP	MT5600SMI-L-92.R2-SP	A	V.92 Serial Data/Fax	3.3V	39.79	39.29	38.79	36.82
899-MT5600SMIPL92R2	MT5600SMI-P-L-92.R2-SP	A	V.92 Parallel Data/Fax	3.3V	39.79	38.79	37.78	36.82
899-MT5656SMIV92R2SP	MT5656SMI-V-92.R2-SP	A	V.92 Serial Data/Fax, Speakerphone	5V	44.64	43.64	42.51	41.43
SocketModem® GSM/GPRS								
899-MTSMC-G-F1R2-SP	MTSMC-G-F1.R2-SP	B	850/1900 MHz GPRS SocketModem (non-RoHS)	5V	128.16	126.75	125.00	121.99
899-MTSMC-G-F2R1.1SP	MTSMC-G-F2.R1.1-SP	B	900/1800 MHz GPRS SocketModem	5V	128.16	126.75	125.00	121.99
SocketWireless®								
899-MT800SWM-L-SP	MT800SWM-L-SP	C	Serial-to-WiFi Module, 802.11b	5V	85.85	84.85	82.65	80.56
899-MT800SWM-SP	MT800SWM-SP	C	Serial-to-WiFi Module, 802.11b	3.3V	85.85	84.85	82.65	80.56
899-MTS2BTSMIR2-SP	MTS2BTSMI.R2-SP	D	Serial-to-Bluetooth Module, C1 V1.2	5V	62.65	61.65	60.05	58.53
SocketEthernet IP®								
899-MT100SEM-L-SP	MT100SEM-L-SP	E	Serial to Ethernet + IP (AT command compatible)	3.3V	35.67	34.67	33.77	32.91
899-MT100SEM-SP	MT100SEM-SP	E	Serial to Ethernet + IP (AT command compatible)	5V	35.67	34.67	33.77	32.91
899-MTXCSEM.R3-SP	MTXCSEM.R3-SP	E	Serial to Ethernet + IP (Web-Based or Command Line Compatible)	5V	59.19	58.19	56.68	55.24
899-MTXCSEM-L.R3-SP	MTXCSEM-L.R3-SP	E	Serial to Ethernet + IP (Web-Based or Command Line Compatible)	3.3V	56.76	55.76	54.31	52.94

Universal Socket Development Kit (Module Not Included)

The SocketModem Developer's Kit allows you to plug in the module and use it as a serial modem for testing, programming and evaluation.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Includes	Price Each
899-MTSMI-UDK	MTSMI-UDK	Development Board with RS-232 DB-25 Connector, Universal Power Supply, RJ-11 Jack, RS-232 Cable and Developer Guide CD	333.33

MODEMMODULE™ GPRS

The ModemModule GPRS and ModemModule CDMA wireless modems include the controller, RF transceiver, SIM socket (GSM), and antenna connector packaged in a compact industrial metal chassis. Built on industry-standard open interfaces, they are ideal for applications that periodically need to send and receive data over a wireless network.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Fig.	Description	Voltage	Price Each			
					1	25	50	100
899-MTMMC-G-F2R1.1SP	MTMMC-G-F2.R1.1-SP	F	850/1900 MHz GPRS ModemModule	5V	140.09	132.05	128.79	125.69

RJMODEM™

The Multi-Tech RJModem™ embedded modem creates communication-ready devices by integrating modem functionality into the most compact, integrated device. The first-of-its-kind RJ-11 form factor includes the controller, data pump, DAA and RJ-11 connector providing device manufacturers with the ability to integrate dial-up connectivity into any product design.

Features:

- Interchangeable socket module
- Quick-to-market
- Global approvals
- Easy migration to future networks

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Fig.	Description	Voltage	Price Each			
					1	25	50	100
899-MT5656RJ-34R2-SP	MT5656RJ-34.R2-SP	G	V.34bis Serial Data RJModem	5V	40.78	40.20	39.79	37.77
899-MT5656RJ-L34R2SP	MT5656RJ-L-34.R2-SP	G	V.34bis Serial Data RJModem	3.3V	40.78	40.20	39.79	37.77
899-MT5656RJ-92R2-SP	MT5656RJ-92.R2-SP	G	V.92 Serial Data RJModem	5V	43.45	42.45	41.35	40.30
899-MT5656RJ-L92R2SP	MT5656RJ-L-92.R2-SP	G	V.92 Serial Data RJModem	3.3V	43.45	42.45	41.35	40.30

RJModem™ Development Kit (RJModem Not Included)

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Description	Price Each
899-MTRJ-DK	MTRJ-DK	RJModem Developer Kit 100-240V	200.00

ACCESSORIES

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Multi-Tech Part No.	Description	Price Each			
			1	25	50	100
899-ANBT-1HRA	ANBT-1HRA	Bluetooth hinged right angle reverse polarity antenna (10 pack)	15.94	13.62	13.28	12.96
899-ANCF2-10HRA	ANCF2-10HRA	CDMA and F2 hinged right angle antenna (10 pack)	10.25	9.73	9.49	9.27
899-CARSMA-MMCX-10	CARSMA-MMCX-10	Reverse SMA to MMCX COAX RF cable 6 inches (10 pack)	21.33	20.25	19.75	19.28
899-CASMA-MMCX-10	CASMA-MMCX-10	SMA to MMCX COAX RF cable 6 inches (10 pack)	21.33	20.25	19.75	19.28

NETBURNER Embedded 32-bit Core Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

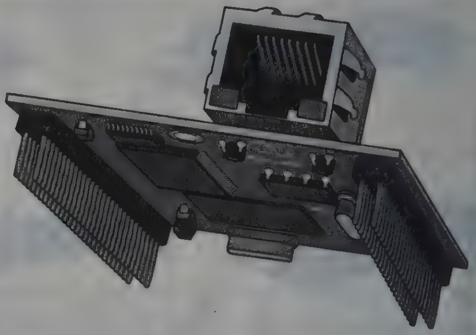
NetBurner
Networking In 1 Day!

32-BIT 10/100 ETHERNET CORE PROCESSOR MODULES

The NetBurner core processor modules are devices containing everything needed for design engineers to add network control and to monitor a company's communications assets. For a very low price point, the modules solve the problem of network-enabling devices with 10/100 Ethernet, including those requiring digital, analog, and serial control.

Traditionally, companies using 8 and 16-bit platforms find it nearly impossible to run resource-intensive applications on fast Ethernet connections. The NetBurner modules feature a Web-based control interface, a full 32-bit architecture providing 60+ MIPS, and the full suite of TCP/IP protocols. The 32-bit high performance processing platform provides the horsepower to handle both, 10/100 Ethernet connections and resource demanding applications with ease and flexibility.

Custom Applications: Quickly and easily customize your specific application requirements using the NetBurner Network Development Kits.



Development Kit Contents:

- 32-bit Core Processor Module
- Development Board
- CD-ROM
- Network Cables
- Serial Cable
- 12 Volt Power Supply for US/Canada

RoHS Compliant

Feature:	MOD5270 Module	MOD5272 Module	MOD5282 Module
Processor:	32-bit Freescale ColdFire 5270 Module	32-bit Freescale ColdFire 5272 w/ integrated 10/100 Ethernet MAC	32-bit Freescale ColdFire 5282 w/ integrated 10/100 Ethernet MAC
Speed:	96MPS @ 100MHz	63MPS @ 66MHz	76MPS @ 80MHz
Network Interface:	10/100BaseT with RJ-45 Jack	10/100BaseT with RJ-45 Jack	10/100BaseT with RJ-45 Jack
Flash Memory:	512KB	2MB	512KB
SDRAM:	2MB	8MB	8MB
Power Requirements:	500mA @ 3.3V	500mA @ 3.3V	500mA @ 3.3V
PCB Connection:	2 sets of .100" 50-pin dual row headers	2 sets of .100" 50-pin dual row headers	2 sets of .100" 50-pin dual row headers
LEDs:	10/100 Ethernet Speed and Link/Activity	10/100 Ethernet Speed and Link/Activity	10/100 Ethernet Speed and Link/Activity
Peripherals:	Address bus 16-bit external data bus 22 General Purpose I/O Chip selects Interrupts 4 32-bit timers - 3 UARTs QSPI and I2C - - -	Address bus 16-bit external data bus 22 General Purpose I/O Chip selects Interrupts 4 timers 3 PWM Outputs 2 UARTs QSPI USB - -	Address bus 16-bit external data bus 50 General Purpose I/O Chip selects Interrupts 16 timers 3 PWM Outputs 3 UARTs QSPI and I2C CAN 12C 8 10-bit A/D Inputs
Dimensions:	2" X 2.6"	2" X 2.6"	2" X 2.6"

MOD5270 Module

MOUSER STOCK NO.	Netburner Part No.	Price Each		
		1	100	1000
820-MOD5270-100CR	MOD5270CR	79.00	69.00	59.00

MOD5270 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-MOD5270-KIT	NNDK-MOD5270-KIT	299.00

MOD5272 Module

MOUSER STOCK NO.	Netburner Part No.	Price Each		
		1	100	1000
820-MOD5272-100CR	MOD5272-100CR	139.00	99.00	72.00

MOD5272 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-MOD5272-KIT	NNDK-MOD5272-KIT	299.00

MOD5282 Module

MOUSER STOCK NO.	Netburner Part No.	Price Each		
		1	100	1000
820-MOD5282-100CR	MOD5282-100CR	145.00	105.00	78.00

MOD5282 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-MOD5282-KIT	NNDK-MOD5282-KIT	299.00

---

32 BIT MOD5213 HIGH PERFORMANCE EMBEDDED PROCESSOR MODULE

The Mod5213 has a rich set of peripherals making it ideal for both communications and control applications. This small form factor module is targeted at the high performance extended temperature low power market. Available in a 40 pin DIP, the Mod5213 boasts 66MHz of performance on a 32 bit ColdFire platform. The Mod5213 development kit also includes all the tools necessary to complete your embedded design, including a world class IDE, Graphical Debugger, and Real Time Operating System.

Process Specifications:

- 32-bit Freescale ColdFire 5213 running at 66MHz

Hardware Specification:

- 32 KB SRAM
- 256 KB Flash
- MAC Module and HW Divide
- Low-power optimization
- Four 32-bit timer channels with DMA capability
- Four 16-bit timer channels with capture/compare/PWM
- 4-channel 16-bit/8-channel 8-bit PWM generator
- Two periodic interrupt timers (PITs)
- 4-channel DMA controller
- 8-channel 12-bit ADC
- Up to 33 general-purpose I/O
- System integration (PLL, SW watchdog)
- CAN 2.0B controller with 16 message buffers
- Three UARTs with DMA capability

Software Development:

- NetBurner Development Kit includes: Mod5213 Development Board, Real-Time OS, C/C++ Compiler, Integrated Development Environment (IDE), Graphical Debugger, configuration and deployment tools.

Connectors:

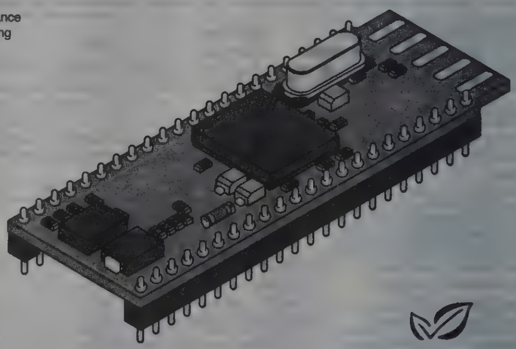
- Two standard single row 20-pin 0.1" headers
- PIN Dimensions: 1.9" x 0.6"

Physical Characteristics:

- Industry Standard 40-pin DIP
- Dimensions: 2.0" x 2.6"

Power Requirements:

- DC Input Voltage: 4V - 7V, or 3.3V Regulated
- Operating current: 120mA Environmental
- Operating Temperature: -40 - +85°C



RoHS Compliant

MOD5213 Development Kit

This Development kit contains all the hardware, software, and tools you need to start writing application code for your product or idea immediately. All components are integrated and ready to run so you don't waste any time configuring individual components.

The kit contains the NetBurner Mod5213 Processor Board. This processor board can be incorporated into your final product as a high performance main processor or as a low cost secondary processor.

The kit also contains the Mod5213 Development Board, which provides convenient DB-9 connectors, RS-232 and RS-485 level shifters, Segmented LED display, Real-Time Clock, dip switches, discrete LED's, CAN connector, 8 A/D inputs and filter locations, easy access connectors to processor signals, and a switching power supply.

MOD5213 Module

MOUSER STOCK NO.	Netburner Part No.	Price Each		
		1	100	1000
820-MOD5213-100CR	MOD5213-100CR	39.00	33.00	32.00

MOD5213Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-MOD5213-KIT	NNDK-MOD5213-KIT	99.00

NETBURNER Serial-to-Ethernet Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

32-BIT SERIAL-TO-ETHERNET PROCESSOR BOARDS

If your application requires TTL level serial ports, just plug in the SB70 and go! If you require RS-232, RS-422 or RS-485, please see the SB72 Ethernet to Serial Processor Board.

SB70 Processor Board

The NetBurner SB70 is designed for applications that require a high performance/low cost 10/100 Ethernet interface to serial devices. The SB70 come preloaded with software to translate serial and Ethernet data, and is configurable through any web browser. The SB70 application code can be customized to any specific application requirements with the NetBurner Network Development Kit.

SB70 Features:

- Instantly allows any serial device to communicate over a network or the Internet
- The SB70 can be used a single board computer for custom applications.
- Includes TCP/IP, Telnet, SNMP, and Web Server (HTTP)
- Supports TTL, and QSPI* serial devices
- Web page configuration
- Powerful 32-bit Motorola ColdFire processor with integrated 10/100 Ethernet MAC
- Development kit required for QSPI

Development Kit Contents:

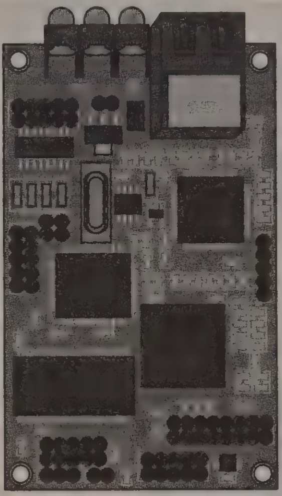
- SBXX Processor Board
- Adapter board to assist in development. It is not required to operate. The adapter board includes a switching power supply, RS-232 level shifters and two DB-9 connectors.
- CD-ROM containing source code, development tools, manuals and documentation.
- Cross-wired and straight-through twisted pair network cables
- Serial cable
- 12 VDC power supply (US and Canada only)

SB72 Processor Board

The NetBurner SB72 is designed for applications that require a high performance/low cost 10/100 Ethernet interface to serial devices. The SB72 come preloaded with software to translate serial and Ethernet data, and is configurable through any web browser. The SB72 application code can be customized to any specific application requirements with the NetBurner Network Development Kit. The SB72 is similar to the SB70, with the addition of RS-232 and RS-485 level shifters.

SB72 Features:

- Instantly allows any serial device to communicate over a network or the Internet
- The SB72 can be used a single board computer for custom applications.
- Includes TCP/IP, Telnet, SNMP, and Web Server (HTTP)
- Supports RS-232, RS-485/422, TTL, and QSPI* serial devices
- Web page configuration
- Powerful 32-bit Motorola ColdFire processor with integrated 10/100 Ethernet MAC
- Development kit required for QSPI



RoHS Compliant

Feature:	SB70 Processor Board	SB72 Processor Board
Processor:	32-bit Freescale ColdFire 5270 with integrated 10/100 Ethernet MAC	32-bit Freescale ColdFire 5272 with integrated 10/100 Ethernet MAC
Speed:	145MPS @ 150MHz	63MPS @ 66MHz
Network Interface:	10/100BaseT with RJ-45 Jack	10/100BaseT with RJ-45 Jack
Serial Ports Supported:	– – –	RS-232, RS-422, RS-485, TTL.
Flash Memory:	512KB	512KB
SDRAM:	2MB	8MB
Power Requirements:	480mA @ 5V	480mA @ 5V
LEDs:	Link, Speed/Data, Power	Link, Speed/Data, Power
Network Protocols:	ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP	ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP
Dimensions:	3.25" X 2"	3.25" X 2"

SB70 Processor Board

MOUSER STOCK NO.	Netburner Part No.	Price Each		
		1	100	1000
820-SB70-100CR	SB70-100CR	79.00	69.00	59.00

SB70 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-SB70-KIT	NNDK-SB70-KIT	99.00

SB72 Processor Board

MOUSER STOCK NO.	Netburner Part No.	Price Each		
		1	100	1000
820-SB72-300CR	SB72-300CR	139.00	99.00	89.00

MOD72 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-SB72-KIT	NNDK-SB72-KIT	149.00

SB72-EX DUAL PORT SERIAL-TO-ETHERNET EXTERNAL DEVICE

SB72-EX to Network-Enable Existing Applications:

The SB72-EX network-enables serial devices right out of the box. No programming or development is required; the SB72-EX is pre-programmed to convert RS-232, RS-422, RS-485, and TTL data to Ethernet, enabling communication with the serial device over a network or the Internet. The onboard web server provides easy device configuration using a standard web server.

Hardware Specifications:

- 10/100BaseT with RJ-45 connector
- 32-bit Motorola ColdFire 5272 with integrated 10/100 Ethernet
- 2MBytes flash, 8MBytes of SDRAM
- Power: 12V, 500mA
- Operating Temperature: 0° to 70°C
- Dimensions: 4.2" x 3.0"
- Weight 5 oz
- UL and CUL approvals
- LED's: Link, Speed/Data, Power
- The 2 UARTS can be configured:
  Two RS-232 ports
  One RS-232 port, one RS-485/422 port (full or half duplex)

Software Specifications:

- Configuration through web browser, telnet, SNMP, or NetBurner IP Setup utility
- Password protection
- Firmware updates through network or serial connections

Network Protocols Supported:

- ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP

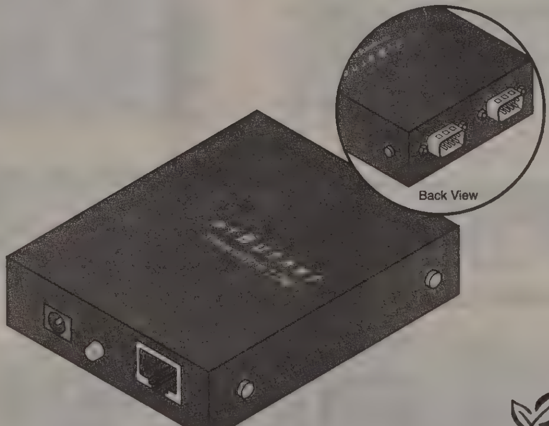
Note: additional protocols supported with development kit.

Development Kit

The SB72-EX Network Development kit contains everything you need to create custom applications on your SB72-EX device: Real-time operating system, TCP/IP Stack, Web Server, C/C++ compiler and linker, Integrated Development Environment (IDE), Debugger, and product deployment tools.

Development Kit Contents:

- SB72-EX Device Box
- CD-ROM containing source code, development tools, manuals, and documentation
- Cross-wired and straight-through twisted pair network cables
- Serial cable
- 12 VDC power supply (US and Canada only)



RoHS Compliant

SB-72-EX DEVICE

MOUSER STOCK NO.	Netburner Part No.	Price Each		
		1	100	1000
820-SB72-EX-100CR	SB72-EX-100CR	179.00	138.00	119.00

SB-72-EX DEVICE DEVELOPMENT KIT

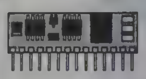
MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-SB72EX-KIT	NNDK-SB72EX-KIT	299.00

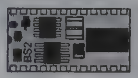
PARALLAX BASIC Stamp Modules and Accessories

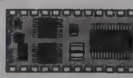
Products may be RoHS compliant.
Check mouser.com for RoHS status.

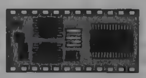
BASIC STAMP MODULES

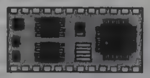
BASIC Stamps are small computers with 8 or 16 I/O lines that can be connected to TTL level devices and also, with a few extra components, solenoids, relays, and RS232 networks. Their simple language and easy interfacing make BASIC Stamps ideal for many applications for industrial, educational, and hobbyist customers. BASIC Stamps require only editor software, a prototype area, and cable to get started. Each BASIC Stamp has on board it's own non-volatile EEPROM, voltage regulator, resonator, and microcontroller.

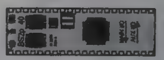
A


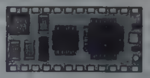
B


C


D


E


F


G


- Operating Temperature at 70% Non-Condensing Humidity: 0°C to +70°C

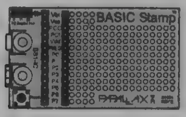
† Plus 2 Dedicated Serial I/O Pins

For quantities of 100 and up, call for quote.

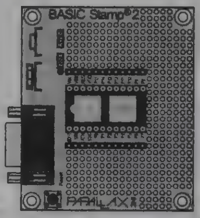
MOUSER STOCK NO.	Parallax Part No.	Fig.	Package	Microcontroller	EEPROM Size (Bytes)	Speed	I/O Pins	PBASIC Commands	Interface (Port)	Operating Voltage	Price Each		
											1	10	25
619-BS1-IC	BS1-IC	A	SIP-14	Microchip PIC16C56c	256	4 MHz	8	32	Parallel	5 - 15 VDC	29.00	26.10	26.10
619-BS2-IC	BS2-IC	B	DIP-24	Microchip PIC16C57c	2K	20 MHz	16 †	36	Serial	5 - 15 VDC	49.00	44.00	41.25
619-BS2E-IC	BS2E-IC	C	DIP-24	Ubicom SX28AC	8 X 2K	20 MHz	16 †	39	Serial	5 - 12 VDC	54.00	44.10	41.65
619-BS2SX-IC	BS2SX-IC	D	DIP-24	Ubicom SX28AC	8 X 2K	50 MHz	16 †	39	Serial	5 - 12 VDC	59.00	53.10	50.15
619-BS2P24-IC	BS2P24-IC	E	DIP-24	Ubicom SX48AC	8 X 2K	20 MHz Turbo	16 †	55	Serial	5 - 12 VDC	79.00	71.10	67.15
619-BS2PX-IC	BS2PX-IC	E	DIP-24	Ubicom SX48AC	8 x 2K	32 MHz Turbo	16 †	63	Serial	5 - 12 VDC	79.00	71.10	67.15
619-BS2P40-IC	BS2P40-IC	F	DIP-40	Ubicom SX48AC	8 X 2K	20 MHz Turbo	32 †	55	Serial	5 - 12 VDC	87.50	80.10	75.65
619-JS1-IC	JS1-IC	G	DIP-24	Ubicom SX48BD	32768	25 MHz Turbo	16	0 (Java)	Serial	6 - 24VDC (unreg)	89.95	85.45	80.96

BASIC STAMP CARRIER BOARDS

BASIC Stamp Carrier Boards make it easier to program and prototype BASIC Stamp Modules.



619-BS1-CB

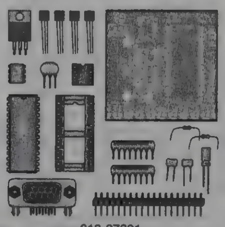


619-BS2-CB

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-BS1-CB	27110	Prototyping area, 9V batt clips, I/O header, reset button, and programming connector.	15.00
619-BS2-CB	27120		14.95

BASIC STAMP KITS



619-27291

BASIC STAMP MANUAL

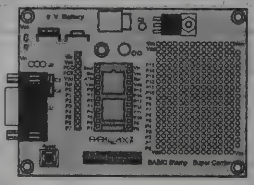
619-BS1-SK

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27291	27291	Through Hole Kit of the Basic Stamp Model 2	30.00
619-BS1-SK	27205	BS1-IC, 27100, Manual, Software, and cable for BS1-IC	79.00

BASIC STAMP SUPER CARRIER BOARD

The Super Carrier provides wire-wrap prototyping space and holes placed to accommodate DIP ICs. The Super Carrier supports the BS1-IC, BS2-IC, BS2E-IC, BS2SX-IC, and BS2P 24 pin modules.



Features:

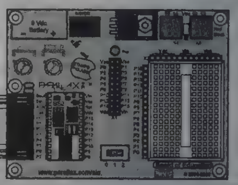
- 3" x 4" Double-sided plated through-hole prototype board
- Sockets support BS1-IC and all 24 pin BS2 modules
- On-board voltage regulator accepts 6-30 VDC, from wall-pack or battery
- Serial programming port (D89) can be used for run-time communication (BS2-IC and BS2SX-IC)
- Prototype area (1.5" x 2.0") holes arranged to easily support: servos, 300 and 600 mil DIP ICs, D89, DB25, RJ-11 connectors
- AppMod header
- Size measures 7.7 x 10.2cm (3" x 4")

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27130	27130	Carrier Board for Stamp Modules	19.95

BOARD OF EDUCATION - SERIAL VERSION

The Board of Education was designed in coordination with educational customers to each microcontroller interfacing and programming. It is a quick platform for building a circuit without requiring soldering or wire wrapping tools.



Features:

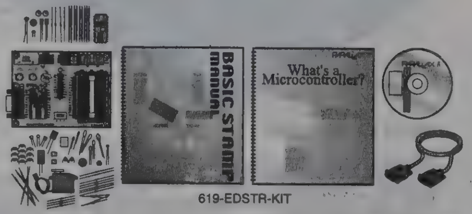
- Mechanically interlocked power supply to prevent dual connection of wall pack and 9V battery.
- DB9 connector for BS2-IC programming and serial communication during run time.
- Female 10 pin dual row connector for optional AppModules (more breadboard space)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-BRDOFEDU	28150	Board of Education	65.00
619-28103	28103	Board of Education Full Kit, No Power Supply	99.95

BS2 EDUCATIONAL STARTER KITS

The "What's a Microcontroller?" text is a beginner's introduction to microcontroller interfacing. Over 40 Activities designed to provide the customer with the best possible introduction to the world of BASIC Stamps.



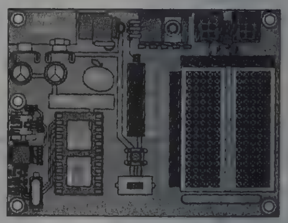
619-EDSTR-KIT

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-EDSTR-KIT	27207	BASIC Stamp Discovery Kit - Serial	149.00
619-27807	27807	Basic Stamp Discovery Kit - USB	149.00
619-MICRO-TXT	28123	"What's a Microcontroller?" Student Guide	19.00
619-MICRO-KIT	28122	Parts Kit for "What's a Microcontroller"	36.00

BOARD OF EDUCATION - USB VERSION

The Board of Education was designed in coordination with educational customers to each microcontroller interfacing and programming. It is a quick platform for building a circuit without requiring soldering or wire wrapping tools.



Features:

- USB connector for BS2-IC programming
- P0 - P15 I/O pins, Vdd and Vss connections brought adjacent to 5.1 x 3.5 cm (2" x 1 3/8") breadboard area
- Includes set of ten (10) color-coded 22 gauge wires
- Female 10 pin dual row connector for optional AppModules (more breadboard space)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-28803	28803	Board of Education Full Kit, No Power Supply	119.00

PARALLAX Accessories and FPGA Development Tools

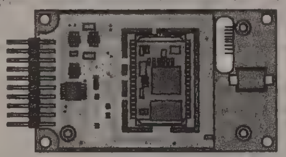
Products may be RoHS compliant.
Check mouser.com for RoHS status.

BASIC STAMP EMBEDDEDBLUE TRANSCEIVER APPMOD

The EmbeddedBlue Transceiver AppMod provides standard Bluetooth connectivity for BASIC Stamp applications without the need for detailed Bluetooth knowledge.

Specifications:

- Frequency: 2.4GHz FHSS
- Transmit Power: 4dBm (max) class 2 operation
- Open Field Range: 300 feet
- Bluetooth: Compliant with the v1.1 standard
- Receiver sensitivity at 0.1% BER: -85dBm



Features:

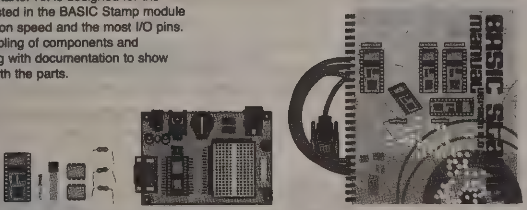
- Integrates with BASIC Stamp 2 Series
- Seamless connection with Bluetooth devices
- Perfect for wireless cable replacement

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-30068	30068	Bluetooth Transceiver for Basic Stamp	69.95
619-30069	30069	PC (RS232) Adapter for 619-30068	99.00

PARALLAX BASIC STAMP 2P40 STARTER KIT

BS2p40 Professional Starter Kit is designed for the customer that is interested in the BASIC Stamp module with the fastest execution speed and the most I/O pins. The kit includes a sampling of components and integrated circuits along with documentation to show you how to interface with the parts.



For quantities of 10 and up, call for quote.

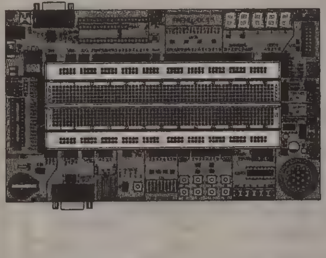
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27238	27238	Project Board, parts, manual, Serial Cable	199.95

PROFESSIONAL DEVELOPMENT BOARD

The Parallax Professional Development Board (PDB) is high-quality, fully-integrated development platform for BASIC Stamp®, Javelin Stamp, and Ubicom® SX28AC/DP microcontrollers.

Features:

- 40-pin DIP socket (for all BASIC Stamp 24/40-pin and Javelin Stamp modules)
- 14-pin SIP socket (for BS1-IC)
- 28-pin "skinny" DIP socket (for SX28AC/DP)
- USB, DB-9, BS1, and SX-Key programming connectors
- 5 volt, 1.0 amp power-supply with power switch
- Five blue 7-segment (with decimal point), common-cathode LED displays
- Parallel LCD (available separately) may be configured in 4-bit or 8-bit mode
- Two servo-compatible headers
- Two 10k Ohm potentiometers
- L293D high-current driver for motors, solenoids, etc.
- Eight, normally-open pushbuttons (I/O lines protected, and pulled-up to Vdd via 10K)
- Pulse generator with selectable frequency (1 Hz, 10 Hz, 100 Hz, or 1 kHz)
- RS-232 DCE port with MAX232E transceiver



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-28138	28138	Professional Development Board	149.95

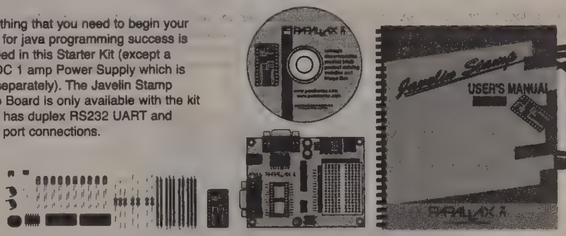
BASIC STAMP ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-BS1USB	BS1USB	BS1 USB Board - USB-A Connection BS1 Module	39.95
619-27924	27924	Taos TSL230 Light to Frequency Converter	4.75
619-28015	28015	Ping))) Ultrasonic Sensor	29.95
619-570-28015	570-28015	Ping))) Mounting Bracket	14.95
619-28017	28017	Memsic Accelerometer (Dual Axis)	29.00
619-28018	28018	Sensirion Temperature/Humidity Sensor	29.95
619-28026	28026	Hitachi H48C 3-Axis Accelerometer	39.95
619-28130	28130	AD592 Temp Probe	16.61
619-29123	29123	Hitachi HM55B Compass Module	39.94
619-30010	30010	BASIC Stamp Logic Analyzer	79.00
619-30056	30056	FlexiForce Sensor	25.95
619-350-00009	350-00009	Photoresistor	1.95
619-555-28027	555-28027	PIR Motion Sensor	7.95
619-27970	27970	112 x 16 Serial Graphic VFD Display	69.95
619-27976	27976	Serial LCD - Parallax 2 x 16 Non-backlit	29.95
619-27977	27977	Serial LCD - Parallax 2 x 16 Backlit	29.95
619-27979	27979	Serial LCD - Parallax 4 x 20 Backlit	34.95
619-30006	30006	Emic TTS SIP Text to Speech Module (Female Voice)	59.95
619-30057	30057	Serial LCD - Matrix Orbital 2x20 Backlit	79.95
619-30058	30058	Serial LCD - Matrix Orbital 4x20 Backlit	99.95

JAVELIN STAMP STARTER KIT

Everything that you need to begin your quest for java programming success is included in this Starter Kit (except a 7.5VDC 1 amp Power Supply which is sold separately). The Javelin Stamp Demo Board is only available with the kit and it has duplex RS232 UART and servo port connections.

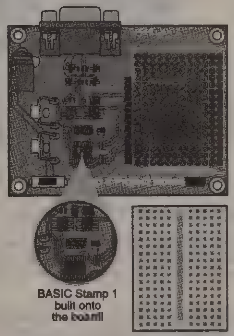


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27237	27237	Project Board, parts, manual, Serial Cable	239.00

BASIC STAMP 1 PROJECT BOARD

For students, hobbyists, and professionals who desire the small form and features of the BASIC Stamp 1 microcontroller, but need a development platform in the mold of the Parallax BOE and HomeWork boards, the BASIC Stamp 1 Project Board is low-cost solution that is sure to fit the bill.



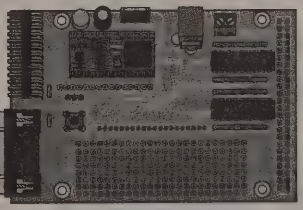
BASIC Stamp 1
built onto
the board

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27112	27112	Project Board with built in BASIC Stamp	29.00

STAMP CONTROLLER INTERFACE BOARD

The Stamp Controller Interface allows the BASIC Stamp® microcontroller to connect directly to industrial type digital I/O control boards produced by Opto22, Grayhill, Allen-Bradley, and others that accept 0-5 VDC voltage control levels. These optically isolated modules are ideal for interfacing microcontrollers to the real world, and are more reliable by providing proper isolation. The Stamp Controller Interface accepts all BASIC Stamp modules. A 9-12 VDC, 2.1 mm jack is included for external power supply (sold separately).

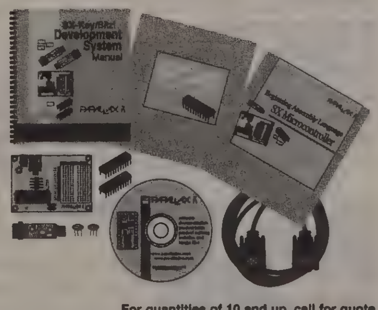


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27945	27945	Project Board accepts all BASIC Stamps	69.95

SX TECH TOOL KIT PLUS

This kit is the most complete SX-Key programming tool package offered by Parallax, and the most complete starting point with everything you'll need except for a power supply (sold separately). Pull the contents out of the box and program SX chips within the hour. International customers order #45180 to reduce shipping costs.



For quantities of 10 and up, call for quote.

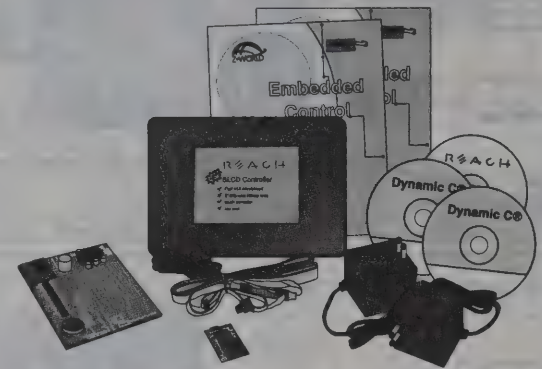
MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-45181	45181	Project Board, parts, manual, Serial Cable	99.95

RABBIT Core Modules and Development Kits

Products may be RoHS compliant.
Check mouser.com for RoHS status.

COLOR TOUCHSCREEN APPLICATION KIT - CONTROL AT YOUR FINGER TIPS

The Reach Technology Color Touchscreen with a RabbitCore creates an application kit that provides embedded systems integrators the ability to add advanced interface functionality to embedded systems. Color touchscreens provide real-time feedback, allowing for better control in industrial-automation applications.
Controller and TFT Color Touch Screen The Reach Technology SLCD controller allows an LCD graphic display to be accessed as an intelligent serial device. Text can be written to the display and graphic images shown by using high-level commands. The touchscreen interface enables buttons to be defined on-screen and return a serial string when touched. User-defined bitmaps provide a modem looking interface including tabbed document interface pages and many different types of controls, such as radio buttons and check boxes.



Key Features

- RCM3720 RabbitCoreTM
- Rabbit 3000 @ 22.1 MHz
- 512K Flash / 256K SRAM
- 10Base-T Ethernet, RJ-45 port
- 33 digital I/O, alternate I/O bus
- 4 serial ports
- 3.3 V (with 5 V-tolerant I/O)
- Small footprint
- Rugged, industrial enclosure
- Audible beeper for audible touch feedback and alarms
- 5.7" TFT Hitachi Display
- Waterproof NEMA 4 compliant steel enclosure.
- Supports user-created bitmaps with RLE compression (512K of flash memory)
- Backlight enable and brightness control

Color Touchscreen Application Kit includes:

- RCM3720 RabbitCore with Proto Board
- Reach Technology SLCD Graphics
- Touch Terminal with NEMA 4 steel enclosure
- Supplemental CD's
- Dynamic C development system and complete documentation on CD-ROM
- User manuals, sample programs, and libraries
- 5 serial and conversion cables .
- Two AC adapters (U.S./Canada only)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—101-1062		Color Touchscreen Application Kit	899.00

RCM2XXX RABBITCORE MICROPROCESSOR MODULES

The Rabbit 2000 is a high-performance 8-bit microprocessor designed expressly to power a new generation of embedded systems. Its extensive integrated feature set and glueless architecture facilitate rapid hardware design, and its C-friendly instruction set permits efficient development of complex applications. For embedded systems, the Rabbit 2000 out-performs most 16 and some 32-bit processors without losing the efficiency of an 8-bit architecture.

The RabbitCore family of microprocessor core modules is designed to facilitate rapid development and implementation of embedded systems. The RabbitCore mounts on a user-designed motherboard and acts as the controlling microprocessor for the user's system. Small in size but packed with powerful features, these core modules give designers a complete package for control and communication.

RoHS Compliant

RCM2000 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0938	101-0398	RCM 2000 RabbitCore US Development Kit	169.00

RCM20XX RabbitCore

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	100
694-20-101-0404	20-101-0404	A	RCM 2000 RabbitCore Module	25.80	256K	512K	40	2-6	69.00	55.00
694-20-101-0405	20-101-0405	A	RCM 2010 RabbitCore Module	18.43	256K	128K	40	2-6	49.00	39.00
694-20-101-0383	20-101-0383	A	RCM 2020 RabbitCore Module	18.43	256K	128K	40	2-6	39.00	31.00

RCM2100 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0451	101-0451	RCM2100 US Development Kit	279.00

RCM21XX RabbitCore

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	100
694-20-101-0434	20-101-0434	B	RCM2100 RabbitCore Module	22.1	512K	512K	34	2-6	89.00	69.00
694-20-101-0435	20-101-0435	B	RCM2110 RabbitCore Module	22.1	256K	128K	34	2-6	59.00	49.00
694-20-101-0436	20-101-0436	B	RCM2120 RabbitCore Module	22.1	512K	512K	40	2-6	69.00	55.00
694-20-101-0446	20-101-0446	B	RCM2130 RabbitCore Module	22.1	256k	128K	40	2-6	49.00	39.00

RCM2200 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0475	101-0475	RCM2200 US Development Kit	239.00

RCM22XX RabbitCore

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	100
694-20-101-0454	20-101-0454	C	RCM2200 RabbitCore Module w/ Ethernet	22.1	256K	128K	26	2-6	55.00	44.00
694-20-101-0488	20-101-0488	C	RCM2210 RabbitCore Module w/ Ethernet	22.1	256K	128K	26	2-6	59.00	49.00
694-20-101-0494	20-101-0494	C	RCM2250 RabbitCore Module w/ Ethernet	22.1	512K	512K	26	2-6	79.00	62.00
694-20-101-0955	20-101-0955	C	RCM2250 RabbitCore Module w/ Ethernet	22.1	512K	512K	26	2-6	69.35	60.00

RCM2300 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

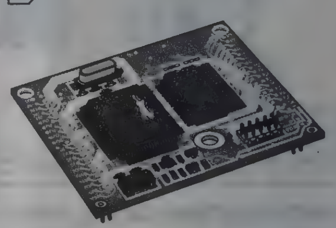
MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0480	101-0480	RCM2300 US Development Kit	199.00

RCM23XX RabbitCore

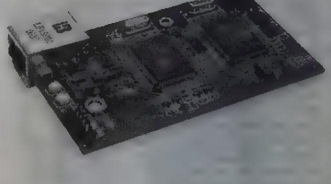
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	100
694-20-101-0453	20-101-0453	D	RCM2300 RabbitCore Module	22.1	256K	128K	29	2-6	42.00	33.00

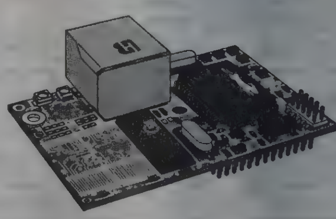
A



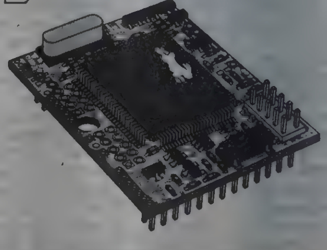
B



C



D



RABBIT Microprocessor Core Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

RCM3XXX RABBITCORE MICROPROCESSOR MODULES

The Rabbit 3000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. The 8-bit Rabbit 3000 outperforms most 16-bit processors without losing the efficiency of an 8-bit architecture. Extensive integrated features and glueless architecture facilitate rapid hardware design, while a C-friendly instruction set promotes efficient development of even the most complex applications.

RoHS Compliant

RCM3000 and RCM3010 RabbitCore

The RCM3000 RabbitCore is our powerful and feature-packed 10Base-T Ethernet microprocessor core module. Powered by the new Rabbit 3000™ - the "EMI-Free microprocessor"—the RCM3000 is the ideal option for designers who want to rapidly develop and implement embedded systems with fully integrated Ethernet connectivity.

Measuring only 2.73" x 1.85" (69 x 47 mm), the RCM3000 operates at 3.3 V (with 5 V-tolerant I/O) and features 6 serial ports. Built-in low-EMI features, including a clock spectrum spreader, help designers eliminate the kind of emissions-related problems that frequently derail tight development schedules.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	100
694-20-101-0507	20-101-0507	A	RCM 3000 RabbitCore Module	29.4	512K	512K	52	2-6	79.00	64.00
694-20-101-0508	20-101-0508	A	RCM 3010 RabbitCore Module	29.4	256K	128K	52	2-6	59.00	49.00

RCM3000 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0523	101-0523	RCM 3000 RabbitCore US Development Kit	299.00

RCM3100 and RCM3110 RabbitCore

The RCM3100 RabbitCore microprocessor core module is the ideal option for designers who want to rapidly develop and implement embedded systems. Powered by the new Rabbit 3000™ microprocessor, the compact RCM3100 boasts powerful features and a small footprint–1.85" x 1.65" (47 x 42 mm)–to simplify integration.

The RCM3100 has 6 serial ports and operates at 29.4 MHz and 3.3 V (with 5 V-tolerant I/O). Built-in low-EMI features, including a clock spectrum spreader, help designers eliminate the kind of emissions-related problems that frequently derail tight development schedules.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	100
694-20-101-0517	20-101-0517	B	RCM3100 RabbitCore Module	29.4	512K	512K	54	2-6	65.00	50.00
694-20-101-0518	20-101-0518	B	RCM3110 RabbitCore Module	29.4	256K	128K	54	2-6	45.00	40.00

RCM3100 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0533	101-0533	RCM3100 US Development Kit	239.00

RCM3200 and RCM3220 RabbitCore

The RCM3200 RabbitCore microprocessor core module is the ideal option for designers who want to rapidly develop and implement embedded systems with fully integrated 10/100Base-T Ethernet connectivity. Measuring only 2.73" x 1.85" (69 x 47 mm), the RCM3200 operates at 3.3 V (with 5 V-tolerant I/O), runs at up to 44.2 MHz, and features 6 serial ports. Built-in low-EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass CE and regulatory RF emissions tests.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	100
694-20-101-0520	20-101-0520	C	RCM3200 RabbitCore Module	44.2	512K	512K	256K	52	2-6	89.00	72.00
694-101-0522	101-0522	C	RCM3220 RabbitCore Module	44.2	512K	512K	256K	52	2-6	79.00	65.00

RCM3200 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0552	101-0552	RCM3100 US Development Kit	349.00

RCM3305 and RCM3315 RabbitCore

The RCM3305 and RCM3315 microprocessor core modules are an ideal solution for designers who want to rapidly develop serial Flash and 10/100Base-T Ethernet into their embedded application. The RCM3305/3315 offer 4-8 MByte of serial Flash.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	100
694-20-101-1067	20-101-1067	D	RCM3305 RabbitCore Module	44.2	512K	512K	512K	49	2-6	119.00	98.00
694-20-101-1068	20-101-1068	D	RCM3315 RabbotCore Module	44.2	512K	512K	512K	49	2-6	98.00	81.00

RCM3305 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-1069	101-1069	RCM3305 US Development Kit	399.00

RCM3365 and RCM3375 RabbitCore

The RCM3365 and RCM3375 RabbitCore modules present a new form of embedded flexibility with removable "hot-swappable" memory cards. Supporting on-board 16 MB NAND Flash as well as memory cards of up to 128 MB (sold separately), these RabbitCore modules are ideal for data intensive applications requiring low-power operation.

For quantities of 250 and up, call for quote.

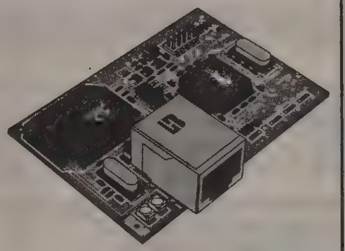
MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	100
694-20-101-1051	20-101-1051	E	RCM3365 RabbitCore Module	44.2	512K	512K	512K	52	2-6	105.00	89.00
694-20-101-1055	20-101-1055	E	RCM3375 RabbitCore Module	44.2	512K	512K	512K	52	2-6	98.00	79.00

RCM3365/75 RabbitCore US Development Kit

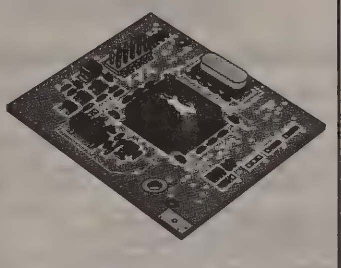
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-1053	101-1053	RCM3365/75 US Development Kit	399.00

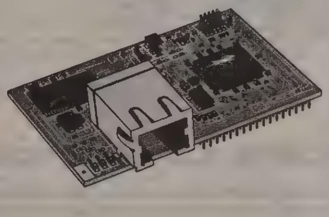
A



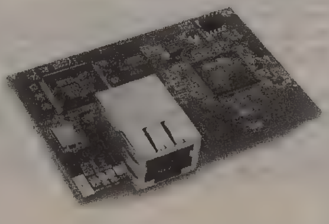
B



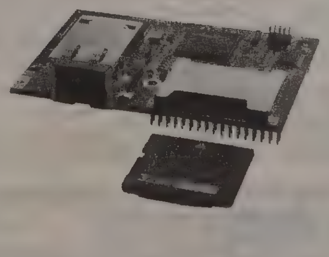
C



D



E



RABBIT Core Modules and Development Kits

Products may be RoHS compliant.
Check mouser.com for RoHS status.

RCM3400 AND RCM3410 RABBITCORE MODULES

The RCM3400 analog RabbitCore provides a known-good processor and analog input subsystem for OEMs to quickly integrate into custom designs. The RCM3400 features a low-EMI Rabbit 3000-based CPU subsystem running at 29.4 MHz, with 512K Flash / 512K SRAM or 256K Flash / 256K SRAM, 5 serial ports, and 8 channels of programmable gain analog input in an extremely small footprint (1.37" x 1.16" / 34 x 29 mm).

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	100
694-20-101-0507	20-101-0561	A	RCM 3400 RabbitCore Module	29.4	512K	512K	52	1-4	69.00	55.00
694-20-101-0562	20-101-0562	A	RCM 3410 RabbitCore Module	29.4	256K	128K	52	1-4	59.00	49.00

RCM3400 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0587	101-0587	RCM 3400 RabbitCore US Development Kit	299.00

RCM3600 AND RCM3610 RABBITCORE MODULES

The RCM3600 RabbitCore is the lowest priced Rabbit 3000 microprocessor based core module designed for a wide variety of applications.

Design Advantages:
- Ready-made platform for fast time-to-market, up to 3 months design integration time savings
- Compact size
- Dynamic C® development environment for real-time development and debugging
- Exceptionally fast performance for math, logic, I/O

Applications:
- Handheld devices & Instrumentation
- Remote Data Logging

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each	
									1	100
694-20-101-0672	20-101-0672	B	RCM3600 RabbitCore Module	22.1	512K	512K	33	1-4	49.00	39.00
694-20-101-0673	20-101-0673	B	RCM3610 RabbitCore Module	22.1	256K	128K	33	1-4	45.00	37.00

RCM3600 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0678	101-0678	RCM3600 US Development Kit	239.00

RCM3700, RCM3710 AND RCM3720 RABBITCORE MODULES

The RCM3700 RabbitCore is the lowest priced Rabbit 3000 microprocessor based core module designed for Ethernet/Internet applications. Built-in low — EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass European CE and other regulatory RF emissions tests.

Applications:
- OEM Serial to Ethernet Products
- Remote Data Logging

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	100
694-20-101-0674	20-101-0674	C	RCM3700 RabbitCore Module	22.1	512K	512K	1MB	33	1-4	59.00	49.50
694-20-101-0675	20-101-0675	C	RCM3710 RabbitCore Module	22.1	256K	128K	1MB	33	1-4	49.00	39.00
694-20-101-0961	20-101-0961	C	RCM3720 RabbitCore Module	22.1	512K	256K	1MB	33	1-4	55.00	45.00

RCM3700 RabbitCore US Development Kit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-0680	101-0680	RCM3700 US Development Kit	388.70

RCM3750 RABBITCORE MODULE

The RCM3750 features 10/100Base-T connectivity, 512K Flash / 512K SRAM, 4 serial ports, and an extremely small footprint (2.95" x 1.20" / 75 x 30 mm). Extensive demo programs, application templates, and optional software modules enable rapid development of secure network embedded systems. Built-in low EMI features, including a clock spectrum spreader, practically eliminate EMI problems, helping OEMs pass European CE and other regulatory RF emissions tests.

Applications:
- Remote Date Logging
- OEM Serial to Ethernet products
- Network-Enabling Security
- Acess Systems
- Building Automation
- Industrial Controls

RoHS Compliant

For quantities of 250 and up, call for quote.

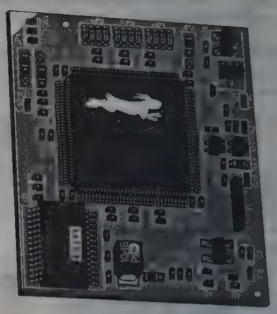
MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	Data Flash	GPIO	Serial Ports	Price Each	
										1	100
694-20-101-1028	20-101-1028	D	RCM3750 RabbitCore Module	22.1	512K	512K	1MB	33	1-4	74.00	61.00

RCM3750 RabbitCore US Development Kit

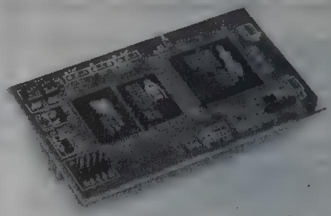
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
694-101-1049	101-1049	RCM3750 US Development Kit	237.50

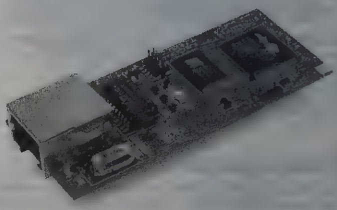
A



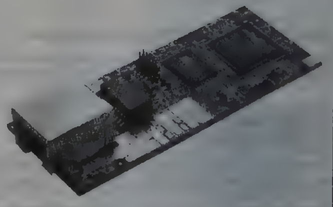
B



C



D



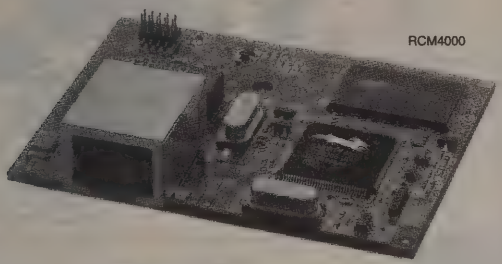
RABBIT Core Modules and Development Kits

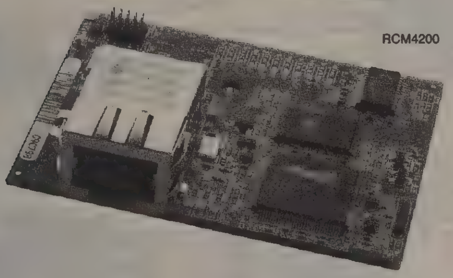
Products may be RoHS compliant.
Check mouser.com for RoHS status.

RCM4000 RABBITCORES – EMBEDDED NETWORKING AND CONTROL

The new Rabbit 4000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. The Rabbit 4000 outperforms most 16–bit processors without losing the efficiency of an 8–bit architecture. Extensive integrated features, glueless architecture and 10Base-T Ethernet facilitate rapid hardware design, while a new C-friendly instruction set promotes efficient development of even the most complex applications.

The Rabbit RCM4XXX series of RabbitCore modules enable powerful embedded networking and control in a small package. RabbitCores mount directly onto a user designed motherboard, and can interface with CMOS-compatible digital devices via the user's motherboard. Programs are developed with our industry-proven Dynamic C development system that includes an editor, compiler, and in-circuit debugger.


RCM4000


RCM4200

RCM4XXX Development Kits include:
- RCM4xxx RabbitCore Module
- Prototyping Board
- Serial Cable for Programming and Debugging
- Dynamic C® integrated development software
- Complete product documentation on CD
- AC adapter (U.S. only)
- Rabbit 4000 pin specifications poster
- Connectors and accessories

Application Possibilities:
- Wireless device/data management
- Serial-to-Ethernet applications
- Remote monitoring and communications
- Web-enabling devices
- Device/data management and control
- Device-level control
- Remote data logging
- Asset management
- Security Access Systems

RabbitCore Module US Development Kits

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
RCM4000			
694—	101-1145	RCM 4000 RabbitCore US Development Kit	249.00
694—	101-1114	RCM 4010 RabbitCore US Development Kit	239.00
RCM41XX			
694—	101-1157	RCM4100 Analog US Development Kit	229.00
694—	101-1101	RCM4110 US Development Kit	169.00
RCM42XX			
694—	101-1155	RCM4200 / RCM4210 US Development Kit	269.00

RabbitCore Modules

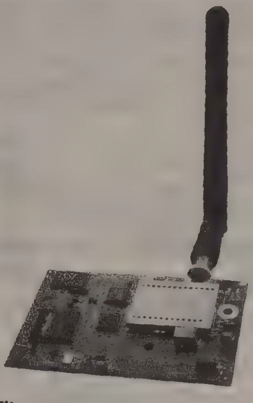
Specifications:
- VDC = 3.0 to 3.6V

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		MHz	Flash	SRAM	Data Flash	Serial Ports	GPIO	Price Each		
Mfr.	Mfr. Part No.							1	10	100
RCM 4000/4010 RabbitCore Modules w/ Ethernet										
694—	20-101-1094	59.98	512K	512K	32MB	1-4	19	89.00	85.10	72.00
694—	20-101-1112	59.98	512K	512K	- -	1-4	25	69.00	66.21	56.00
RCM41XX RabbitCore RabbitCore Modules										
694—	20-101-1105	59.98	- -	512K	512K	1-4	29	75.00	73.14	71.55
694—	20-101-1093	29.49	512K	256K	- -	1-4	40	45.00	39.00	38.00
694—	20-101-1154	59.98	- -	512K	512K	1-4	40	64.00	61.82	60.48
RCM42XX RabbitCore Modules										
694—	20-101-1131	58.98	512K	512K	512K	1-4	25	109.00	104.88	102.60
694—	20-101-1132	29.49	512K	512K	- -	1-4	35	99.00	95.22	93.15

RCM4400W – THE ON-CORE WI-FI SOLUTION

The RCM4400W RabbitCore modules adds Wi-Fi/802.11b functionality to existing Rabbit® 4000 microprocessor features, allowing you to create a low-cost, low-power, Wi-Fi based control and communications solution for your embedded system. The RCM4400W RabbitCore modules are equipped with on-board Wi-Fi/802.11b wireless connectivity. Features also include 512K flash memory and fast-program execution SRAM, 35 general-purpose I/O, 3.3 V I/O line, and low-power modes.



RabbitCore Module US Development Kit

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—	101-1173	RCM4400W US Development Kit	299.00

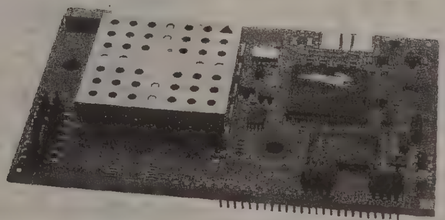
RCM4400W RabbitCore Module

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
694—	20-101-1140	Core Module Wi-Fi/802.11	119.00	99.00	84.00

RCM4510W – THE ZIGBEE IS ON-BOARD

The RCM4510W next-generation RabbitCore module adds ZigBee®/802.15.4 connectivity to the existing Rabbit® 4000 microprocessor features allowing you to create a low-cost, low-power, wireless network as part of your control solution for your embedded application. The RCM4510W RabbitCore module is equipped with an on-board ZigBee/802.15.4 modem for wireless connectivity. Features also include 512K flash memory and SRAM, 40 general-purpose I/O, and up to 9 general-purpose I/O 4 of which can be set up as analog inputs via the ZigBee module.



RabbitCore Module US Development Kit

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694—	101-1188	RCM4510W US Development Kit	299.00
694—	101-1190	RCM4510W Add-On US Development Kit	149.00

RCM4510W RabbitCore Module

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	100
694—	20-101-1170	RCM4510W Core Module	89.00	72.00	63.00

RABBIT Ethernet and M2M Development Kits

SERIAL-TO-ETHERNET KIT

Ethernet designers now have a Serial-to-Ethernet Application Kit that is easy to use out of the box. The simple 3-Step Setup for transmitting data from a digital volt meter via a serial port to a TCP/IP stream enables even the newest user to quickly develop a Serial-to-Ethernet application. The kit features digital volt meter software libraries, sample programs and a menuing system, in addition to the Dynamic C integrated development environment. The digital volt meter application software provides a framework for users to start their design with minimal time and effort (volt meter not included in kit).

The Serial-to-Ethernet Application Kit includes a popular RCM3000 RabbitCore module featuring 10Base-T Ethernet and TCP/IP libraries with source code. Measuring only 2.73" x 1.85" (69 x 47 mm) the RMC3000 operates at 3.3V (with 5 V-tolerant I/O) and features 6 serial ports and 52 digital I/O. Available in two models, the RCM3000 is equipped with up to 512K each of Flash and SRAM, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities. Two 34-pin connection headers provide 52 digital I/O shared with the 6 serial ports and alternate I/O features.

Serial-to-Ethernet Kit Pictured

Features:
- Serial to Ethernet applications for:
- Digital Volt Meter reader
- Binary & hexadecimal ASCII
- Configuration menuing system
- Royalty-free TCP/IP stack with source code

Design Advantages:
- 3 Step setup
- Minimal Ethernet experience required
- Software compatible with other Rabbit-based products

Serial to Ethernet Application Kit Specifications:

Feature	Serial-to-Ethernet Application Kit
Core Module	RCM3010
Prototyping Board	Standard RCM3000 Prototyping Board
Ethernet	10Base-T, RJ-45
Serial Ports	1 RS-232 hardware defined (additional ports available on RCM3010)
Cables	DB9 Null Modem Cable
Software Compiler	DB9 Null Modem Cable, 10-pin ® DB9 Conversion Cable, Ethernet Crossover Cable Programming Cable
Software Library	Allow faster serial communications: 1 Mbit/s
Sample Programs	Transmit data from DVM and store on a PC
Menuing Systems	For Serial-to-Ethernet configuration
Manuals	Serial-to-Ethernet 3-Step Setup Sheet, RCM3000 Getting Started Manual, RCM3000 User Manual (on CD)
Display	122 x 32 Keypad/Display Unit with LCD menu system

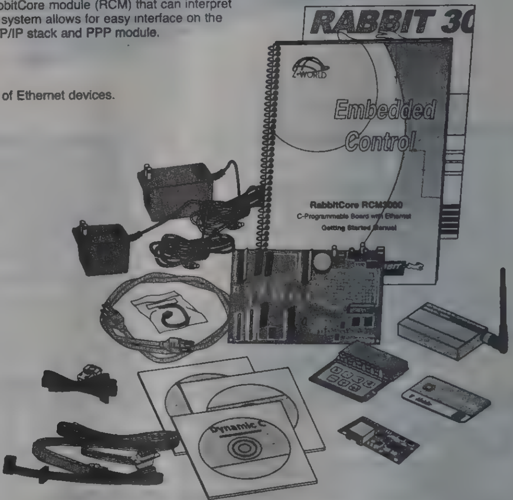
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-0689	Serial-to-Ethernet Kit	349.00
694	101-0994	MultiPort Serial-to-Ethernet Kit (RCM3700 Core)	399.00

MACHINE TO MACHINE (M2M) APPLICATION KIT

M2M (machine-to-machine/mobile) brings together **machine control with wireless communications**. With 50 billion "machines" in the world, M2M allows a machine to be monitored or controlled from anywhere, anytime, using current wireless data technologies such as GSM, SMS (text messaging) and GPRS.

Rabbit Semiconductor's M2M Applications Kit provides all the tools necessary to sample and design communications between a Rabbit-based device to a GSM/GPRS-enabled device (e.g. GSM modem/phone, PDA phone). The libraries and sample programs allow for a GSM modem/phone to send SMS (text) messages to a RabbitCore module (RCM) that can interpret messages as commands and in turn can execute control functions. The RCM can also send/receive email from any PC, device or phone. A menu system allows for easy interface on the keypad/display, as well as reading text messages and email. The M2M Application Kit includes Z-World's Dynamic C software with royalty-free TCP/IP stack and PPP module.

Machine2ME Node
Is a configuration involving an Ethernet-enabled Rabbit-based device at the heart of a Machine equipped with a GSM modem.
The Rabbit-based device acts as a server/node to other Ethernet devices. So a single Rabbit device with a wireless modem can control a number of Ethernet devices.

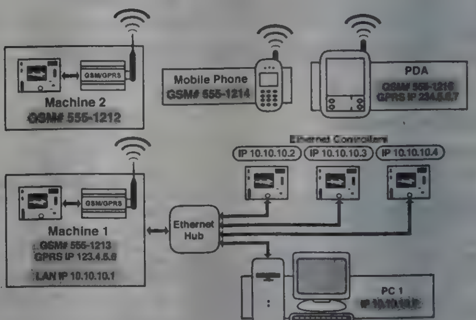


M2M Applications Kit Highlights:
- HW/SW for wireless RCM-to-GSM communication
- Dual Band GSM/GPRS modem and antenna
- Keypad/Display configuration menu system
- Royalty-free TCP/IP stack with source code & PPP
- Samples/Libraries including Machine2ME Node Applications

Applications:
- Wireless Embedded Control
- Alarms & Notification Systems
- Remote Device Monitoring
- Data and Event Logging
- Machine Communication

M2M Application Kit Specifications:

Feature	Serial-to-Ethernet Application Kit
Control Device and Display System	
Microprocessor Core Module	RCM3200 RabbitCore module
Microprocessor	Rabbit 3000 running at 44.2 MHz
Ethernet Connectivity	10/100Base-T, RJ-45
Memory	512K Flash, 512K SRAM (program). 256K SRAM (data)
General Purpose I/O	52 digital I/O, Auxiliary I/O Bus
Prototyping Board	RCM3200 Prototyping Board
Serial Ports	RS-232 (2 3-wire or 1 5-wire). Additional CMOS ports available on RCM3200
Display	122 x 32 Keypad/Display Unit with LCD menu system
GSM Modem	Wavecom Fastrack Dual Band GSM/GPRS modem (900/1900 MHz for US Kit, 900/1800 MHz for International Kit)
Antenna	Wave Device Antenna. 90° Adjustable Knuckle Antenna (1850-1990 MHz for US Kit, 870-960MHz for International Kit)
SIM Card (US Kits only)	T-Mobile SIM card (Activation required)
Software Development System	
Software Compiler	Z-World's Dynamic C 8.x with TCP/IP stack
Software Libraries	SMS/GPRS modes, Modem-specific Library
Additional Libraries	Dynamic C PPP module, Generic Modem Library, TCP/IP, SMTP, POP3, Telnet
Sample Programs	For SMS and GPRS communication and control Machine2ME components. FTP datalogging
Menuing System	For display of SMS and GPRS communications
Included Accessories	
Cables	Programming Cable for RCM 10-pin ® DB15 Conversion Cable Ethernet Crossover Cable
Documentation	M2M Applications Kit Getting Started Manual RCM3200 Getting Started Manual Full Documentation on CD
Power Supplies (US Kits Only)	9 V DC adapter for RCM3200 12 V DC, 1 Amp (min.) for GSM Modem. Power cable included.



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-0721	M2M Application Kit	699.00

SILEX TECHNOLOGY Device Servers and Biometric Devices

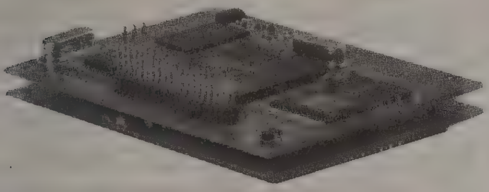
silex technology

silex technology, Inc. has more than 30 years experience designing, manufacturing and marketing embedded products. During the past 10 years, silex has become the number-1 global supplier of print server solutions designed to help businesses improve the way they move, print and secure information.

WIRELESS/WIRED SERIAL DEVICE SERVERS

SX-550

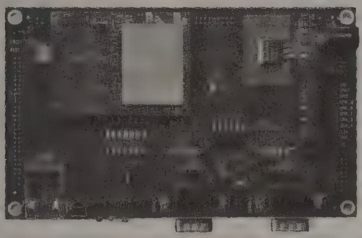
The advantages of wireless networking are obvious. But as an OEM device manufacturer, how can you easily and securely implement wireless capabilities in your devices? The solution is the silex SX-550 Module, the first embedded networking solution that supports all of the major wireless networking standards – 802.11a, 802.11b, and 802.11g as well as 100Base-T and 10Base-T wired Ethernet. The SX-550 provides the most extensive network security capabilities in the industry, so it can be used in virtually any application or environment that requires wireless communications.



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Silex Part No.	Description	Price Each		
			1	50	100
702-SX-550-1701	SX-550-1701	802.11a/b/g Bridge Serial Server	100.00	98.00	95.00

Development Kit for SX-550

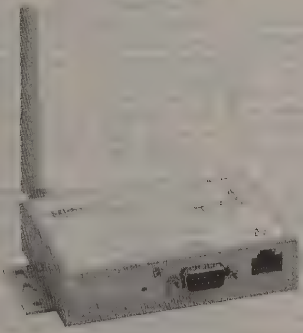


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silex Part No.	Description	Price Each	
			1	2
702-SX-550-6900	SX-550-6900	SS Developers Kit (need to buy sx-550-1701)	200.00	200.00

SX-500

In addition to a built-in web browser interface, silex provides ExtendView, a Windows utility for easy configuration and management. A console accessible via TELNET or the serial port is available for more sophisticated diagnostics and configuration. The SX-500 series is also compatible with the Simple Network Management Protocol (SNMP) for compatibility with most popular network management systems. The included Serial Port Emulator software allows you to configure virtual serial ports on a Windows system (for example, COM3) that redirect all of the data out to the silex serial servers on your network allowing you to continue use of your current applications.



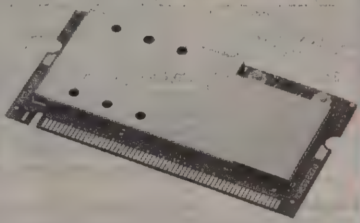
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Silex Part No.	Description	Price Each		
			1	50	100
702-SX-500-1031	SX-500-1031	External 802.11b/g Serial Server	285.00	275.00	265.00

CORRESPONDING MINIPCI WIRELESS LAN MODULES

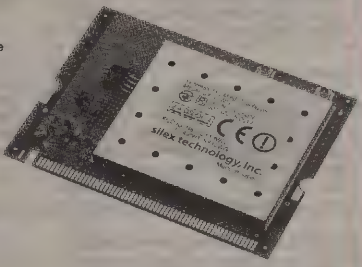
SX-10WAG:

- 802.11abg miniPCI wireless LAN module
- Chipset: Atheros Communications AR5414A-001
- Antenna Connector: U.FL connector x Diversity antenna
- Operating Voltage: 3.3V +/- 0.3V
- Radio Output: 11a, 11b, 11g/16dBm
- Power Consumption:500mA



SX-10WG:

- 802.11g Compliant miniPCI Wireless LAN Module
- Chipset: Atheros AR5005G
- Antenna Connector: 2 x U-FL Connector
- Operating Voltage: 3.3V +/- 0.3V
- Radio Output: 11g Mode:
  2-10ch, 12, 13ch./15dBm
  11ch./14dBm, 1ch./12dBm
  11b Mode:
  1-14ch./16dBmm
- Power Consumption (500mA):
  11g transmit: 3.3V 420mA
  11g Receive: 3.3V 240mA
  11b transmit: 3.3V 410mA
  11b receive: 3.3V 215mA



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Silex Part No.	Description	Price Each		
			1	50	100
702-SX-10WAG	SX-10WAG	miniPCI Atheros 802.11a/b/g Radio Card	70.00	68.60	67.20
702-SX-10WG	SX-10WG	miniPCI Atheros b/g Radio Card	50.00	49.00	47.00

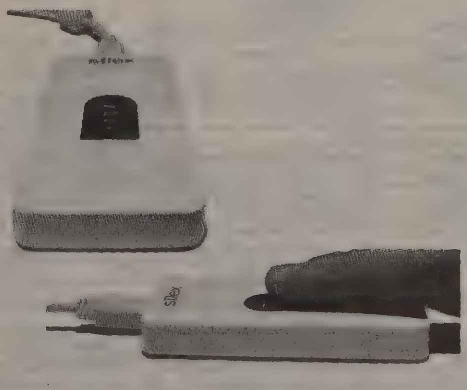
BIOMETRICS, LOCAL ACCESS AND FINGERPRINT AUTHENTICATION

Biometrics authentication seems convenient, but can everyone use it? Are you looking for reliability? silex technology now has the solution for you. We've used our biometric expertise gained through years of experience to develop a new fingerprint reader with RF swipe sensor technology. The new fingerprint reader will enable 100% usability. Those users who in the past have had a difficult time using fingerprint readers, will be able to easily use the silex S1

Superior Performance
Skin damage, dirt, dry-finger, and other unfavorable conditions can make surface-level fingerprint patterns unreadable. silex S1 reads below the surface level at the corium where the fingerprint pattern remains consistent.

High Level of Anti-spoofing
The unique sensor technology used by the S1 simply will not read gummy fingers or other methods used to spoof fingerprint readers.

Compact and Mobile
The simple, sleek design of the S1 is suited for any PC desktop or laptop. By making the USB cable detachable, the standard cable can be replaced based on the reader's proximity to the computer.



For quantities of 50 and up, call for quote.

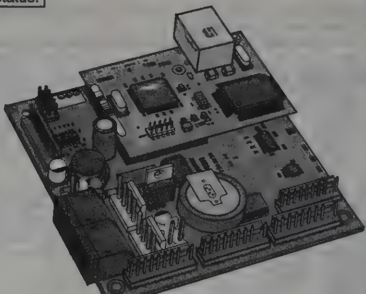
MOUSER STOCK NO.	Silex Part No.	Description	Price Each		
			1	5	10
702-S-1	S-1	USB Interface S1 Fingerprint Reader	129.00	116.10	99.00

RABBIT Single Board Computers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

BL2500 COYOTE

Gives OEM designers extremely low-cost embedded control for high-volume applications such as product control, factory equipment control, access control, HVAC, and vending machines. Two standard models—one with Ethernet, one without—feature the Rabbit 3000™ microprocessor at 29.4 MHz, with 256K Flash and 128K SRAM.



RoHS Compliant*

Complete Kits For New Users

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812	20-101-0577	Jumpstart your evaluation and design efforts with a complete development kit, which includes BL2500 Coyote, demonstration board, Dynamic C development system and complete documentation CD-ROM, serial cable for programming and debugging.	299.00

Product Only

*RoHS Compliant † Requires 1.27mm programming cable

*812	101-20-0575	BL2500 10Base-T Ethernet	189.00
812	101-0599	BL2500 with 512K/512K	209.00
812	20-101-0602	BL2500 with 10/100, 512K/512K, 44.2clk †	239.00
812	20-101-0576	BL2510 No Ethernet	149.00
812	101-0600	BL2510 with 512K/512K	179.00

Expansion Boards

*RoHS Compliant

812	101-0688	RabbitNet D/A Expansion Card	89.00
812	101-0617	RN1400 RabbitNet Relay Expansion Card	89.00
812	101-0616	RabbitNet A/D Expansion Card	89.00
*812	20-101-0612	RabbitNet Digital I/O Expansion Card	89.00
694	101-0467	8 Meg Serial Flash	119.00
812	101-0282	Universal Relay Board	99.00
*812	20-101-0879	RN1600 RabbitNet Keypad/Display Interface Card	69.00

Programming/Development Tools

*RoHS Compliant

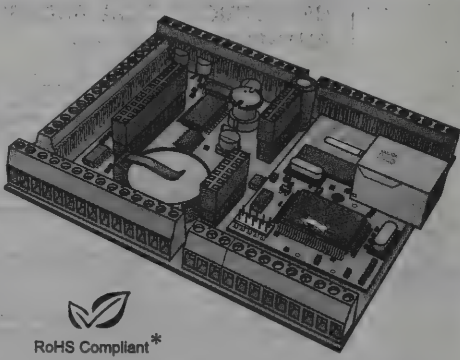
694	101-0666	Dynamic C Module	359.00
*694	20-101-0580	RabbitLink Card	129.00
694	101-0589	Rabbit Cloning Board	89.00
694	540-0070	RS-232-to-USB Converter Cable	39.00
538	63811-1000	Crimp Tool	49.00
*694	20-101-0542	1.27 mm Programming Cable	25.00
*812	20-101-0581	Connectivity Kit	18.00
812	101-0887	RN1600 RabbitNet Expansion Kit	149.00

Specifications:

Feature	BL2500	BL2510
Microprocessor	Rabbit 3000™ at 29.4 MHz	
Ethernet Port	10Base-T, RJ-45	N/A
Flash Memory	256K (standard)	
SRAM	128K (standard)	
LED's	4-User-programmable	
Digital Inputs	16: 15 protected to ±36 VDC, 1 protected to +5 –36V; threshold is 1.5 V nom.	
Digital Outputs	8, sink up to 200 mA each, 36 V DC max. standoff voltage	
Analog Inputs	One 10-bit resolution, 8-bit accuracy, input range 0.1–3.1 V, 10 samples/s	
Analog Outputs	Two 9-bit PWM, 0.1–3.1 VDC, 17ms settling time	
Serial Ports	6 serial ports: 1 RS-485, 2 RS-232 or one RS-232 (with CTS/RTS), 1 CMOS level asynchronous or clocked serial port, 1 expansion serial port multiplexed to two RS-422 clocked SPI ports, 1 CMOS compatible serial port for programming/debug	
Serial Rate	Max. async = CLK/8, Max. sync = CLK/2	
Real-Time Clock	Yes	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	8 – 40 V DC 1 W typical w/ no load	8 – 40 V DC 0.8 W typical w/ no load
Backup Battery	3 V lithium coin-type, 1000 mA•h, supports RTC & SRAM	
Operating Temperature	–40° to +70°C	
Humidity	5 – 95%, noncondensing	
Connectors	5 polarized 9-pin Molex® type terminals with 0.1" pitch, Two 4-pin 0.156" pitch Molex type, two 0.156" pitch 2-pin Molex type, two RJ-45, one 0.1" pitch 2x5 IDC, one 2 mm pitch 2x5 IDC programming port	
Board Size	3.95" x 3.95" x 1.16" (100 x 100 x 29 mm)	3.95" x 3.95" x 0.80" (100 x 100 x 20 mm)

BL2100 SMARTCAT

Designed for medium-scale control and monitoring applications, the Smartcat is a high-performance single-board computer that gives OEM designers Ethernet and keypad/display options all in one low-cost package. The Smartcat offers plenty of sinking/sourcing digital I/O with A/D and D/A, providing comprehensive integrated control capabilities in a compact 4.14" x 3.41" (105 x 87 mm) form factor. Ethernet models are ideal for remotely monitoring and supervising another programmable system or web-enabling new or existing products. The Ethernet interface is fully supported by software to enable network and Internet connectivity.



RoHS Compliant*

Specifications: * 13–36 V DC supply voltage required

Feature	BL2100	BL2110	BL2120	BL2130
Microprocessor	Rabbit 2000™ @ 22.1 MHz			
Ethernet Port	10Base-T, RJ-45, link and activity LEDs		None	
Flash	256K			
SRAM	128K			
Backup Battery	Socketed 3-V lithium coin-type, 265 mA•h, supports RTC and SRAM			
Keypad/Display	See keypad/display options and our "OP" products (for serial display options)			
Digital Inputs	24: protected to ± 36 VDC			
Digital Outputs	16: source/sink 200 mA each, 36 VDC max.			
Analog Inputs	11 at 1 MΩ, 12-bit resolution, ±10 VDC, up to 4,100 samples/sec	None	11 at 1 MΩ, 12-bit resolution, ±10 VDC, up to 4,100 samples/sec	None
Analog Outputs	Four 12-bit resolution, 0-10 VDC*, update rate 12kHz	None	Four 12-bit resolution, 0-10 VDC*, update rate 12kHz	None
Serial Ports	4 total: two 3-wire (or one 5-wire) RS-232, 1 RS-485, and one 5 V CMOS-compatible (programming)			
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate= burst/2			
Connectors	Screw terminals support max. 14 AWG/1.5 mm2			
Real-Time Clock	Yes			
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers			
Watchdog/Supervisor	Yes			
Power	9–36 VDC, 1.5 W max. (without display), 3 W max. (with display)			
Operating Temp	–40°C to +70°C			
Humidity	5–95%, non-condensing			
Board Size	4.14" x 3.41" x 0.93" (105 x 87 x 24 mm)			

Tool Kit

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812	101-0482	SmartCat Tool Kit (board not included)	200.00

Product Only

*RoHS Compliant

*812	20-101-0461	BL2100 Analog and Ethernet	339.00
*812	20-101-0568	BL2100 with 512K/512K	379.00
*812	20-101-0567	BL2100 IDC Headers	364.00
812	101-0790	BL2100 IDC Headers, 512K Flash	404.00
812	101-0566	BL2100 Friction Lock Connectors	379.00
812	101-0818	BL2100 Friction Lock Connectors, 512K Flash	404.00
812	101-0565	BL2100 Bottom Mount Sockets	379.00
812	101-0568	BL2100 512K/512K	379.00
812	101-0531	BL2101 0-10V A/D	339.00
812	20-101-0573	BL2101 512K/512K	379.00
812	101-0697	BL2102 Bottom Mount Connectors	379.00
812	101-0462	BL2110 Ethernet, no Analog	249.00
812	101-0551	BL2110 IDC Headers	274.00
812	101-0550	BL2110 Friction Lock Connectors	274.00
812	101-0851	BL2110 Friction Lock Connectors, 512K/512K	314.00
812	101-0549	BL2110 Bottom Mount Sockets	289.00
812	101-0572	BL2110 512K Flash	289.00
*812	20-101-0463	BL2120 Analog, no Ethernet	299.00
812	101-0571	BL2120 IDC Headers	324.00
812	101-0570	BL2120 Friction Lock Connectors	324.00
*812	20-101-0569	BL2120 Bottom Mount Sockets	339.00
812	101-0464	BL2130 No Analog, no Ethernet	209.00
812	101-0548	BL2130 IDC Headers	234.00
812	101-0547	BL2130 Friction Lock Connectors	234.00
812	101-0546	BL2130 Bottom Mount Connectors	249.00

Product Options and Accessories

*RoHS Compliant

694	101-0666	Dynamic C Module	359.00
694	101-0589	Rabbit Cloning Board	89.00
*694	20-101-0513	2mm Programming Cable	25.00
812	101-0106	24VDC/110 Power Supply	15.00

Expansion Boards

*RoHS Compliant

*694	20-101-0467	8 Meg Serial Flash	89.00
812	101-0282	Universal Relay Board	99.00

Mounting/Display

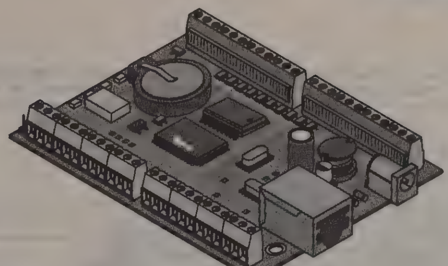
*RoHS Compliant

*694	20-101-0465	Keypad/Display Unit	79.00
812	151-0127	Panel-Mount Keypad/Display Unit	99.00
812	101-0466	Keypad/Display Unit w/Case	99.00
694	540-0066	Keypad/Display Unit Cable 20'	15.00
812	101-0495	Baseplate	10.00

RABBIT Single Board Computers

BL2000 WILDCAT

The Wildcat gives OEM designers optional Ethernet connectivity in a low-cost, high-performance single-board computer. These compact boards are rich with the digital I/O, A/D, and D/A designers need for embedded control and monitoring applications, and the Wildcat's compact board size of 4.15" x 3.43" (105 x 87 mm) allows for easy integration. Ethernet models are ideal for remotely monitoring and supervising another programmable system or web-enabling new or existing products.



Tool Kit

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Description	Price Each
812—101-0472	Wildcat Tool Kit (board not included)	200.00

Product Only *RoHS Compliant

812—101-0430	BL2000 Ethernet, Analog I/O	249.00
812—101-0556	BL2000 IDC Headers	274.00
812—101-0843	BL2000 IDC Headers, 512K SRAM	334.00
812—101-0555	BL2000 Friction Lock Connectors	274.00
812—101-0840	BL2000 Friction Lock Connectors, 512K SRAM	334.00
812—101-0841	BL2000 Friction Lock Connectors, 512K/512K	374.00
812—101-0842	BL2000 Friction Lock Connectors, 512K Flash	314.00
812—101-0554	BL2000 Bottom Mount Sockets	289.00
812—101-0835	BL2000 512K Flash	289.00
*812—20-101-0455	BL2010 Ethernet, Analog inputs only, 2 extra dual purpose	199.00
*812—101-0592	BL2010 IDC Headers	224.00
*812—20-101-0591	BL2010 Friction Lock Connectors	224.00
812—101-0590	BL2010 Bottom Mount Sockets	239.00
*812—20-101-0456	BL2020 No Ethernet, Analog I/O	209.00
812—101-0595	BL2020 IDC Headers	234.00
*812—20-101-0594	BL2020 Friction Lock Connectors	234.00
812—101-0593	BL2020 Bottom Mount Connectors	249.00
*812—20-101-0457	BL2030 No Ethernet, Analog inputs only, 2 extra dual	159.00
812—101-0817	BL2030 512K SRAM	219.00
812—101-0598	BL2030 IDC Headers	184.00
812—101-0597	BL2030 Friction Lock Connectors	184.00
812—101-0596	BL2030 Bottom Mount Connectors	199.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—540-0070	RS-232-to-USB Converter Cable	39.00

Expansion Boards

694—101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00

Mounting/Display

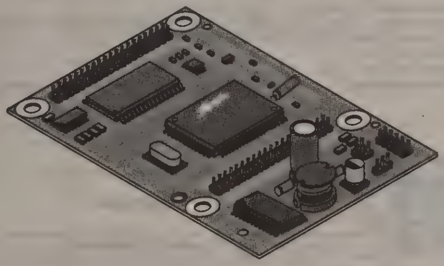
812—101-0431	Unibox Enclosure	15.00
812—151-0075	Light Pipes	5.00
812—101-0495	Baseplate	10.00

Specifications:

Feature	BL2000	BL2010	BL2020	BL2030
Microprocessor	Rabbit 2000 at 22.1 MHz			
Ethernet Port	10Base-T, RJ-45, link and activity LEDs		None	
Flash Memory	256K			
SRAM	128K			
Backup Battery	Socketed 3 V lithium coin-type, 265 mA·h, supports RTC and SRAM			
Keypad/Display	See our "OP" products for serial display options			
Digital Inputs	11: protected to ±36 VDC			
Digital Outputs	8: sink 200 mA, 2: sink 750 mA, 40 VDC max.			
Analog Inputs	Four 12-bit resolution 1 MW, ±10 VDC, up to 4,000 samples/sec.	Four 10-bit resolution 1 MW, ±10 VDC, up to 4,000 samples/sec.	Four 12-bit resolution 1 MW, ±10 VDC, up to 4,000 samples/sec.	Four 10-bit resolution 1 MW, ±10 VDC, up to 4,000 samples/sec.
Analog Outputs	Two 12-bit resolution, 0–4 VDC, update rate 12 kHz	None	Two 12-bit resolution, 0–4 VDC, update rate 12 kHz	None
Dual Purpose Analog or Digital Inputs	5 at 12 kW, 12-bit resolution, 0–48 VDC	7 at 12 kW, 10-bit resolution, 0–48 VDC	5 at 12 kW, 12-bit resolution, 0–48 VDC	7 at 12 kW, 10-bit resolution, 0–48 VDC
Relay Outputs	SPDT, 1 A @ 30 VDC, 0.3 A @ 120 VAC Uses 1 digital output			
Serial Ports	4 total: two 3-wire (or one 5-wire) RS-232, 1 RS-485, and one 5 V CMOS-compatible (programming)			
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2			
Connectors	Screw terminals support max. 14 AWG/1.5 mm2			
Real-Time Clock	Yes			
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers			
Watchdog/Supervisor	Yes			
Power	9–40 VDC or 24 VAC ±10%, 1.5 W max., power jack			
Operating Temp	–40°C to 70°C			
Humidity	5–95%, non-condensing			
Board Size	3.43" x 4.15" x 0.82" (87 x 105 x 21 mm)			
Enclosure Size	4.9" x 5.6" x 1.1" (124 x 142 x 28 mm)			
LED's	8 total: Power On, Microprocessor Error, Ethernet Link, Ethernet Activity, 4 output status		6 total: Power On, Microprocessor Error, 4 output status	

BL1800 JACKRABBIT

The Jackrabbit is RABBIT's most compact and lowest cost C-programmable single-board computer. The Jackrabbit is the perfect solution for applications that have significant cost and size constraints but need a dependable SBC. Fast number crunching is provided by a Rabbit 2000 microprocessor operating at up to 29.5 MHz.



Specifications:

Feature	BL1800	BL1810	BL1820
Microprocessor	Rabbit 2000 @ 29.5 MHz	Rabbit 2000 @ 14.7 MHz	
Flash	256K	128K	
SRAM	128K		
Backup Battery	3 V lithium coin-type, 950 mA·h, supports RTC and SRAM		None
Keypad/Display	See our "OP" products for serial display options		
Digital Inputs	6 CMOS-compatible		7 CMOS-compatible
Digital Outputs	8 total: 4 CMOS-compatible, 3 sink up to 1 amp each, 1 sources up to 0.5 amps, 30 VDC max.	8 total: 4 CMOS-compatible, 3 sink up to 200 mA each, 1 sources up to 100 mA, 30 VDC max.	9 total: 5 CMOS-compatible, 3 sink up to 200 mA each, 1 sources up to 100 mA, 30 VDC max.
Configurable I/O	14 total CMOS-compatible: 8 bytewide and 6 by bit		15 total CMOS-compatible: 8 bytewide and 7 by bit
Analog Inputs	One 9-bit resolution, 8-bit accuracy, 0.1–2.8 V input range, 10 samples/sec.		
Analog Outputs	Two 9-bit PWM, one 0.1–2.8 VDC, one 0.7–3.5 VDC, update rate 50 Hz		
Serial Ports	4 total: two 3-wire (or one 5-wire) RS-232, one RS-485, and one 5 V CMOS-compatible (programming). 2 configurable as sync.		4 total: two 3-wire (or one 5-wire) RS-232 and two 5 V CMOS-compatible (1 programming). 2 configurable as sync.
Serial Rate	Max. burst rate = CLK/32 (async) Max. sustained rate = burst/2		
Connectors	Two 2 x 20, 2 mm IDC headers		
Real-Time Clock	Yes		
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers		
Watchdog/Supervisor	Yes		
Power	8–40 VDC, 1.2 W max.	7.5–25 VDC, 100 mA	
Operating Temp	–40°C to +70°C		
Humidity	5–95%, non-condensing		
Board Size	3.50" x 2.50" x 0.94" (89 x 64 x 24 mm)		

Development Kit *RoHS Compliant

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Description	Price Each
812—101-0363	Jackrabbit Development Kit	139.00
*812—20-101-0356	BL1800	99.00
812—101-0558	BL1800 512K SRAM	159.00
*812—20-101-0357	BL1810	69.00
812—101-0814	BL1810 512K SRAM	129.00
812—101-0358	BL1820	49.00

Programming/Development Tools *RoHS Compliant

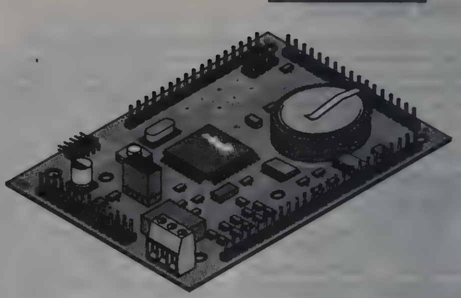
694—101-0666	Dynamic C Module	359.00
*694—20-101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
812—101-0343	BL1800 Prototyping Board	59.00
*694—20-101-0513	2mm Programming Cable	25.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—151-0113	Connector Adapter Board	15.00

Expansion Boards *RoHS Compliant

*694—20-101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00

RABBIT Single Board Computers

LP3500 FOX



The LP3500 Fox is a low-power single-board computer designed to operate reliably virtually any place it is deployed, especially where power is limited, such as in portable, hand-held, battery-powered, and remote monitoring systems. The LP3500 features built-in analog and digital I/O and consumes less than 20 mA when fully operational and less than 100 μA in power-save mode.

Specifications:

Feature	LP3500	LP3510
Microprocessor	Low-EMI Rabbit 3000™ at up to 7.4 MHz	
Flash	512K (2 x 256K)	256K
SRAM	512K (2 x 256K)	128K
Backup Battery	Socketed 3 V lithium coin-type, 265 mA·h, supports RTC and SRAM	
Keypad/Display	Optional keypad/display module with 7 keys and 122 _ 32 graphic display, easy to use menuing software	
Digital Inputs	16 protected to ±36 V DC	
Digital Outputs	10 total: 8 sink and 2 source 200 mA each, 36 V DC max.	
Relay	1 SPDT, 1 A, 30 V DC, bi-stable	None
Analog Inputs	Eight 11-bit single-ended or four 12-bit differential, 1MW input impedance, up to 200 samples/sec. Multiple software-controlled programmable gain voltage ranges from 0-1 V to 0-20 V. 4 channels can be set individually for 4-20mA with plug-in jumpers 1 channel has software-selectable power voltage monitoring option	None
Analog Outputs	Unfiltered PWM, 1 kW output impedance	None
Serial Ports	6 total: 1 RS-485 3 RS-232 (three 3-wire OR one 5-wire and one 3-wire 1 logic level serial interface for optional add-ons 1 3 V CMOS-compatible (programming)	
Serial Rate	Max. asynchronous baud rate = CLK/8	
Real-Time Clock	Yes	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Main Power	3–30 V DC, 20 mA max. @ 7.4 MHz, 100 μA max. @ 2 kHz	
Backup Power	Used to reduce current in power-save mode, 2.7–3.3 V @ 100μA max	
Operating Temp	–40° to +70°C	
Humidity	5–95%, noncondensing	
I/O Connectors	Two 1 _ 17, 0.1" pitch headers	
Board Size	3.65" _ 2.60" _ 0.45" (93 x 66 x 11 mm)	

Tool Kit

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
812—101-0529	Fox Tool Kit (board not included)	230.00

Product Only

812—20-101-0525	512K/512K Analog inputs, Relay - RoHS	199.00
812—101-0526	256K/128K	149.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
812—101-0545	Screw Terminal Adapter/Prototyping Board	99.00
694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—540-0070	RS-232-to-USB Converter Cable	39.00

Expansion Boards

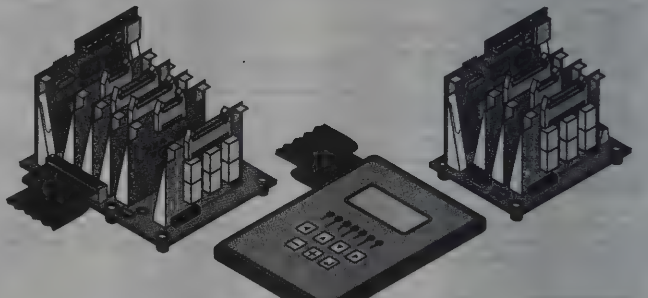
694—20-101-0467	8 Meg Serial Flash - RoHS	89.00
812—101-0282	Universal Relay Board	99.00

Mounting/Display

812—101-0466	Keypad/Display Unit	99.00
694—20-101-0541	Panel-Mnt Keypad/Display Unit, 3.3 Volt - RoHS	99.00
694—20-101-0502	Panel-Mount Keypad/Display Unit, 5 Volt - RoHS	99.00
812—540-0069	Keypad/Display Unit Cable 5"	15.00
812—101-0431	Unibox Enclosure	15.00
812—101-0495	Baseplate	10.00

SR9000 SMART START SYSTEM

The Smart Start is a modular and expandable embedded control system designed for demanding real-time control and data acquisition applications. Multiple I/O card options--including digital, A/D, D/A, and relays--allow users to closely match their specific I/O needs. The Smart Star CPU card comes in both Ethernet and non-Ethernet versions, and a cost-effective keypad/display is also available.



Ethernet connectivity - CPU card with or without Ethernet
Flexible functionality - modular configuration to easily interchange or replace individual I/O cards
Multiple I/O card options - digital I/O, A/D, D/A, relay
Expandable - up to 168 I/O
Cost-effective - low cost per I/O
Optional keyboard/display - backlit 122 x 32 pixel graphic LCD with 7 user-relegendable keys, 7 LEDs

Tool Kit

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
812—101-0427	Smart Start Tool Kit (board not included)	200.00

Smart Start Backplane

812—20-101-0512	SR9010 7-slot - RoHS	99.00
812—101-0487	SR9050 3-slot	79.00

Keyboard/Display Options

694—20-101-0601	Keypad/Display Unit, 3.3 Volt, No Case - RoHS	79.00
694—20-101-0465	Keypad/Display Unit, 5 Volt, No Case	79.00

Product Options and Accessories

812—101-0504	Cable and Mounting Hardware	20.00
812—540-0069	Keypad/Display Unit Cable 5"	15.00
812—151-0127	Connector Adapter Board	40.00

Smart Start CPU Card

812—101-0387	SR9100	99.00
812—101-0815	SR9100 512K SRAM	159.00
812—20-101-0486	SR9150 Ethernet - RoHS	159.00
812—20-101-0738	SR9150 Ethernet, 512K SRAM - RoHS	179.00
812—101-0506	SR9160	119.00
812—101-0775	SR9160 512K SRAM	179.00

Programming/Development Tools

694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
694—540-0070	RS-232-to-USB Converter Cable	39.00

Smart Start Digital I/O Cards

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
812—101-0389	16 inputs and 8 outputs, sinking	49.00
812—20-101-0437	16 inputs and 8 outputs, sourcing - RoHS	49.00
812—20-101-0390	8 inputs and 16 outputs, sinking - RoHS	49.00
812—101-0391	8 inputs and 8 outputs, sinking	49.00

Smart Start A/D Cards

812—101-0392	Eleven 12-bit analog inputs (0-10V)	79.00
812—101-0423	Eleven 12-bit analog inputs (±10V)	79.00
812—20-101-0444	Eleven 12-bit analog inputs (4-20mA) - RoHS	79.00

Smart Start D/A Cards

812—101-0393	Eight 12-bit analog outputs (0-10V)	129.00
812—101-0394	Eight 12-bit analog outputs (±10V)	149.00
812—20-101-0445	Eight 12-bit analog outputs (4-20mA) - RoHS	129.00

Smart Start Relay Cards

812—101-0395	6 relays: 1SPDT, 5 SPST, including snubbers	79.00
812—20-101-0440	8 SPDT relays, no on-board snubbers - RoHS	79.00

Smart Start Field Wiring Terminals

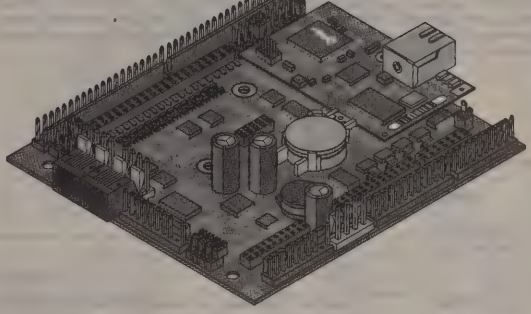
812—20-101-0515	Screw-type (A/D, D/A) - RoHS	19.00
812—101-0421	Pluggable (A/D, D/A)	29.00
812—101-0514	Screw-type (I/O, Relay 8)	19.00
812—101-0420	Pluggable (I/O, Relay 8)	39.00
812—101-0516	Screw-type (Relay 6)	19.00
812—101-0422	Pluggable (Relay 6)	29.00

RABBIT Single Board Computers and Software

BL2600 WOLF - MODELS BL2600, BL2610

The BL2600 Wolf single-board computer provides embedded systems engineers a complete and expandable performance package. Two standard models-one with 10/100 Ethernet and one without 10/100 Ethernet - feature the Rabbit 3000® microprocessor at 44.2 and 29.4 MHz respectively, with at least 512K Flash and 512K SRAM (standard).

Programming the BL2600
Programs are developed and debugged using industry-proven Dynamic C® software, which runs on a Windows PC. The programming device is connected via a serial cable, a USB cable, or Ethernet. Comprehensive debugging support includes break points, watch expressions and many other extensive features oriented toward real-time embedded systems programming. An extensive library of drivers and sample programs is provided, including a royalty-free TCP/IP stack for network and Internet communications. Full source code is provided for most library routines.



BL2600 Specifications & Features

Feature	BL2600	BL2610
Microprocessor	Rabbit 3000™ at 44.2 MHz	Rabbit 3000™ at 29.4 MHz
Ethernet Port	10/100Base-T, 3 LEDs	None
Flash Memory	512K (standard)	
SRAM	512K Program Execution, 256K Data	512K (standard)
Backup Battery	Panasonic CR2477 or equivalent 3 V lithium coin type, 950 mAh, socket mounted	
Configurable I/O	16: Individually software configurable digital inputs @ ±36 V DC, 1.5 V switching threshold, or sinking digital outputs up to 40 V, 200 mA each	
Digital Inputs	16: Hardware-configurable pull-up or pull-down, ±36VDC, switching threshold 1.4 V typ.	
High-Current Digital Outputs	4: Individually software configurable, +40 V DC, 2 A max. per channel, sinking or sourcing	
Analog Inputs	8 channels with 11-bit resolution, software selectable ranges Unipolar: 1, 2, 2.5, 5, 10, 20 V DC; Bipolar: ±1, ±2, ±5, ±10 VDC; Four of the eight channels maybe hardware-configured for 4-20 mA, 12 kHz update rate	
Analog Outputs	4 channels, 12-bit resolution, buffered (0-10 V DC, ± 10 V DC), 4-20 mA, 12 kHz update rate	
RabbitNet	Compatible Expansion Cards: Digital I/O, A/D, D/A, Relay, Keypad Display Interface	
Serial Ports	Up to 5 serial ports: • 1 RS-485 or 1 RS-232 • 2 RS-232 or one RS-232 (with CTS/RTS) • 1 clocked serial port multiplexed to 2 RS-422 SPI master ports • 1 CMOS compatible serial port for programming/debug	
Serial Rate	Max. async = CLK/8, Max. sync = CLK/2	
Real-Time Clock	Yes	
Timers	Ten 8-bit timers (6 cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	9/36 V DC, 25 W max. (includes power to RabbitNet expansion boards)	
Operating Temperature	-40° to +70°C (-40° to +85°C without battery)	
Humidity	5-95%, noncondensing	
Connectors	One Ethernet and two RabbitNet™ RJ-45 connectors Two polarized, 9-position with 0.1" pitch friction-lock connectors Three 4-position power terminals with 0.156" pitch friction-lock connectors Two 20-position terminals with 0.1" pitch (and 2 x 20 IDC headers) friction-lock connectors One 13-position terminal with 0.1" pitch (and 2 x 13 IDC header) friction-lock connector One 10-position terminal with 0.1" pitch (and 2 x 7 IDC header) friction-lock connector One 2 x 5 IDC, 1.27 mm pitch (BL2600) programming port One 2 x 5 IDC, 2 mm pitch (BL2610) programming port	
Board Size	4.85" x 4.96" x 1.00" (123 x 126 x 25 mm)	

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
BL2600 Wolf Board			
812	20-101-0889	BL2600 Board w/ 10/100Base-T Ethernet - RoHS	289.00
812	20-101-0891	BL2610 Board w/o 10/100Base-T Ethernet - RoHS	269.00
Product Accessories			
812	20-101-0879	RN1600 RabbitNet Keypad/Dsply Interface Card-RoHS	69.00
812	101-0617	RN1400 RabbitNet Relay Expansion Card	89.00
812	101-0688	RN1300 RabbitNet D/A Expansion Card	89.00
812	101-0616	RN1200 RabbitNet Digital I/O Expansion Card	89.00
812	101-0612	RN1100 RabbitNet Digital I/O Expansion Card	89.00
694	20-101-0468	SF1000 4MB Serial Flash Expansion - RoHS	79.00
694	101-0467	SF1000 8MB Serial Flash Expansion	89.00
812	101-0282	SE1100 Parallel Relay Board	99.00
694	20-101-0580	RabbitLink Card for Remote Debug via Ethernet/Internet - RoHS	129.00
694	101-0589	Rabbit Cloning Board to Copy Compiled Software Board to Board	89.00
694	540-0070	RS-232-to-USB Converter Cable for USB only PCs	39.00
694	101-0542	1.27mm Connector for 10/100Base-T Option	25.00
812	101-0581	Connectivity Kit	18.00

DYNAMIC C® 9 SOFTWARE

Dynamic C® is an integrated C compiler, editor, loader, and debugger designed specifically for Rabbit microprocessor-based products. The Dynamic C integrated development environment provides a platform for developing applications quickly for fast time to market. Since 1990, Z-World's effective integration of hardware and software has helped design engineers develop thousands of successful OEM products.

Dynamic C's enhancements to standard C facilitate real-time programming on powerful embedded systems. Language extensions include constructs for cooperative and preemptive multi-tasking and protecting writes to variables during power failures. Libraries for standard C functions, board-specific peripheral drivers, chip peripherals, and other features are included in source code format. Assembly language programming is fully supported, and Assembly code is easily mixed with C code for time-critical applications.

Developing software with Dynamic C is simple. Users can write, compile, and test C and Assembly code without leaving the Dynamic C development environment. Debugging occurs while the application runs on the target. Alternatively, users can compile your program to an image file for later loading. Dynamic C runs on PCs under Windows 95, 98, 2000, NT, ME, and XP. Programs are downloaded at baud rates of up to 460,800 bps while the program compiles.

TCP/IP Libraries
Dynamic C includes extensive TCP/IP libraries and sample programs that serve as application templates for fast program development
Standard Modules: TCP/IP Libraries and Sample Programs
HTTP — Hypertext Transfer Protocol. Protocol for web browsers and servers to transfer files, such as text and graphics. Contains facilities for Server Side Includes (SSI) and CGI routines.
POP3 — Post Office Protocol. Standard protocol to retrieve e-mail.
TFTP — Trivial File Transfer Protocol. Simplified version of FTP that allows files to be transferred from one computer to another over a network file transfers between network nodes.
SMTP — Simple Mail Transfer Protocol. Internet protocol providing e-mail services.
DHCP — Dynamic Host Configuration Protocol. A method for a device to assign its network configuration information from a central server.
Socket-Level UDP — User Datagram Protocol. Protocol exchanging datagrams without acknowledgements or guaranteed delivery.
Socket-Level TCP — Transmission Control Protocol. Reliable full-duplex data transmission.
ICMP — Internet Control Message Protocol. Network protocol to verify connecting to another host. (PING)

Standard Features
- Full-feature source and/or Assembly-level debugger, no in-circuit emulator required.
- Royalty-free TCP/IP stack with source code and most common protocols.
- Hundreds of functions in source-code libraries and sample programs
- Exceptionally fast support for floating-point arithmetic and transcendental functions
- RS-232 and RS-485 serial communications
- Analog and digital I/O drivers
- I2C, SPI, GPS, file system
- LCD display and keypad drivers
- Powerful language extensions for cooperative or preemptive multi-tasking
- Loader utility program to load binary images into Z-World targets in the absence of Dynamic C
- Create your own source code libraries and augment on-line help by creating "function

Standard Debugging Features
Breakpoints - Set breakpoints that can optionally disable interrupts.
Single-stepping - Step into or over functions at a source or machine code level — uC/OS-II aware.
Code disassembly - The disassembly window displays addresses, opcodes, mnemonics, and machine cycle times. Switch between debugging at machine code level and source code level by simply opening or closing the disassembly window.
Watch expressions - Watch expressions are compiled when defined, so complex expressions including function calls may be placed into watch expressions.
Watch expressions can be updated with or without stopping program execution.
Register window - All processor registers and flags are displayed.
The contents of general registers may be modified in the window by the user.
Stack window - Shows the contents of the top of the stack.
Hex memory dump - Displays the contents of memory at any address.
STUDIO window - print outputs to this window, and keyboard input on the host PC can be detected for debugging purposes. Print output may also be sent to a serial port or file.

Dynamic C 9 Promotional Bundle – Limited Time Offer
Dynamic C 9 Promotional Bundle: Includes Dynamic C 9, SSL, FAT, RabbitWeb, PPP, SNMP, and AES software modules. $1304 if purchased separately

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
694	101-0987	Dynamic C 9 Promotional Bundle: Includes Dynamic C 9, SSL, FAT, RabbitWeb, PPP, SNMP, and AES software modules. ($1304 if purchased separately)	499.00
694	101-0981	Dynamic C 9 CD : Individual license (included in all Development Kits and Tool Kits).	210.00
694	101-0658	AES Module add-on for Dynamic C	159.00

RABBIT Single Board Computers

OP7200 EDISPLAY

The OP7200 eDisplay is an intelligent operator interface that offers rugged I/O, built-in Ethernet connectivity, and optional A/D and touchscreen capabilities. The compact eDisplay is an ideal data acquisition and display device for OEM products and stand-alone systems such as factory floor controls. The unit's 10Base-T Ethernet facilitates remote diagnostics, control, and communication, including sending and receiving E-mails and alerts.

Specifications:

Feature	OP7200	OP7210
Microprocessor	Rabbit 2000™ at 22.1 MHz	
Ethernet Port	10Base-T, RJ-45	
Flash	256K	
SRAM	128K	
Backup Battery	Socketed 3 V lithium coin-type, 265 mA·h, supports RTC and SRAM, connection for user-supplied external battery	
Keypad/Display	1/4 VGA (320 _ 240 pixels) with programmable on/off white LED backlight, 9-key tactile feedback keypad	
	4096 x 4096 analog touchscreen	No touchscreen
LEDs	4: Power On, Microprocessor Error, Ethernet Link Alive, Ethernet Activity	
Digital Inputs	19 protected to ±36 VDC	16 protected to ±36 VDC
Digital Outputs	8: individually configurable in software; sink up to 350 mA, source up to 250 mA, or tri-state; 40 VDC max.	
Analog Inputs	Eight 11-bit single-ended or four 12-bit differential, 200 kW input impedance, 2.5 ksamples/sec. Eight software-controlled programmable gain/voltage ranges from 0–1 V to 0–20 V.	None
Serial Ports	4 CMOS-compatible: 1 RS-485 (or I/O expansion port), 2 RS-232 (one 5-wire or two 3-wire), One 5V CMOS-compatible (programmable)	
Serial Rate	Max. burst rate = CLK/32, Max. sustained rate = CLK/64	
Real-Time Clock	Yes	
Timers	Five 8-bit timers (4 cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	9–40 VDC or 24 VAC, 4 W max.	
Operating Temp	–10° to +65°C	
Humidity	20–70%, noncondensing	
I/O Connectors	Screw terminals support max. 14 AWG/1.5 mm2 (standard)	
Product Size	5.67" x 4.41" x 1.70" (144 x 112 x 43 mm)	
Display Area	3.0" x 2.2" (76 x 56 mm)	

Tool Kit

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Description	Price Each
812—101-0543	OP7200 Tool Kit (board not included)	200.00

Product Only

812—101-0535	Touchscreen	449.00
812—101-0537	Touchscreen 512K/512K	489.00
812—20-101-0536	OP7210, RoHS	399.00
812—101-0538	OP7210 512K/512K	439.00

Expansion Boards

812—101-0688	RabbitNet D/A Expansion Card	89.00
812—101-0617	RN1400 RabbitNet Relay Expansion Card	89.00
812—101-0616	RabbitNet A/D Expansion Card	89.00
812—20-101-0612	RabbitNet I/O Expansion Card, RoHS	89.00
694—101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00
812—20-101-0879	RN1600 RabbitNet Relay Keypad/Display, RoHS Interface Card	69.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
812—101-0887	RN1600 RabbitNet Expansion Kit	149.00

OP6800 MINICOM

The MiniCom is a low-cost, C-programmable operator interface and single-board computer that offers Ethernet connectivity, plenty of industrialized I/O, a graphic LCD, and keypad. The MiniCom's compact 4.5" x 3.6" (112 x 91 mm) form factor makes it ideal for use in designs and areas with size constraints. Available in both Ethernet-enabled and non-Ethernet versions, the MiniCom provides comprehensive integrated control, display, and networking capabilities via Internet/Ethernet or serial communications.

Specifications:

Feature	OP6800	OP6810
Microprocessor	Rabbit 2000 at 22.1 MHz	
Ethernet Port	10Base-T, RJ-45	None
Flash	256K	128K
SRAM	128K	128K
Backup Battery	Connection for user-supplied battery (to support RTC and SRAM)	
Keypad/Display	122 x 32 pixel graphic LCD in two stacked sections (with programmable backlight), user-relegendable keypad with 7-key / 7-LED interface	
LEDs	7 hardware- or software-driven: 1 red, 4 green, 2 yellow	
Digital Inputs	13 total: 8 protected to ±36 VDC, 5 protected to ±25 VDC	
Digital Outputs	11 total: sink 200 mA, 40 VDC max., 4 with built-in inductive load-protection diode	
Serial Ports	4 total: two 3-wire or one 5-wire RS-232, 1 RS-485, and one 5 V CMOS-compatible (programming)	
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2	
Connectors	2 x 20, 0.1" pitch ribbon-cable header	
Real-Time Clock	Yes	
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	9–36 VDC, 1.5 W max.	
Operating Temp	0–50°C	
Humidity	5–95%, non-condensing	
Product Size	4.5" x 3.6" x 1.33" (112 x 91 x 33 mm)	

Tool Kit

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Description	Price Each
812—101-0500	MiniCom Tool Kit (board not included)	200.00

Product Only

812—101-0492	OP6800	249.00
812—20-101-0654	OP6800 512K/512K, RoHS	289.00
812—20-101-0497	OP6810, RoHS	199.00

Programming/Development Tools

694—101-0666	Dynamic C Module	359.00
812—101-0505	OP6800 Proto Board	49.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
694—101-0580	RabbitLink card	129.00
694—101-0589	Rabbit Cloning Board	89.00

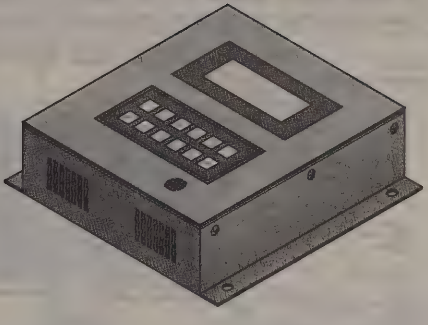
Expansion Boards

694—101-0467	8 Meg Serial Flash	89.00
812—101-0282	Universal Relay Board	99.00

RABBIT Single Board Computers

OP6700 INTELLICOM

The Intellicom is a C-programmable, 12-key graphic display with Ethernet for network connectivity and a VFD option for applications requiring high visibility. To accommodate users' installation preferences, the versatile Intellicom can be either wall or panel mounted.



Specifications:

Feature	OP6700	OP6600
Microprocessor	Rabbit 2000 at 18.432 MHz	
Ethernet Port	10Base-T, RJ-45	None
Flash	512K (2 x 256)	256K
SRAM	128K	
Backup Battery	Socketed board with 3 V lithium coin-type, 1,000 mA·h, supports RTC and SRAM	
Keypad/Display	2 x 6 domed tactile keypad with customizable legend, supertwist 4 x 20 LCD with backlighting	
Digital Inputs	4 protected to ±36 VDC	
Digital Outputs	4 sink 200 mA, 40 VDC max.	
Speaker Outputs	Software-adjustable frequency and volume	
Serial Ports	3 total: one 5 V CMOS-compatible (programming) and either two 3-wire RS-232, one 3-wire RS-232 and one RS-485, or one 5-wire RS-232	
Serial Rate	Max. burst rate = CLK/32 Max. sustained rate = burst/2	
Connectors	Screw terminals	
Real-Time Clock	Yes	
Timers	Five 8-bit timers (four cascadable from the first) and one 10-bit timer with 2 match registers	
Watchdog/Supervisor	Yes	
Power	9–40 VDC, 2.4 W (backlighting on)	
Operating Temp	0–50°C	
Humidity	5–95%, non-condensing	
Board Size	4.7" x 4.3" x 0.8" (119 x 109 x 20 mm)	
Enclosure	6.7" x 5.7" x 2.0" (170 x 145 x 51 mm)	

Tool Kit

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812—101-0414		Intellicom Tool Kit (board not included)	200.00

Product Only *RoHS Compliant

*812—20-101-0411	OP6700	289.00
812—101-0412	OP6600	219.00

Programming/Development Tools *RoHS Compliant

694—101-0666	Dynamic C Module	359.00
694—540-0070	RS-232-to-USB Converter Cable	39.00
*694—20-101-0580	RabbitLink Card	129.00
694—101-0589	Rabbit Cloning Board	89.00
812—101-0410	Battery Board	25.00

Expansion Boards *RoHS Compliant

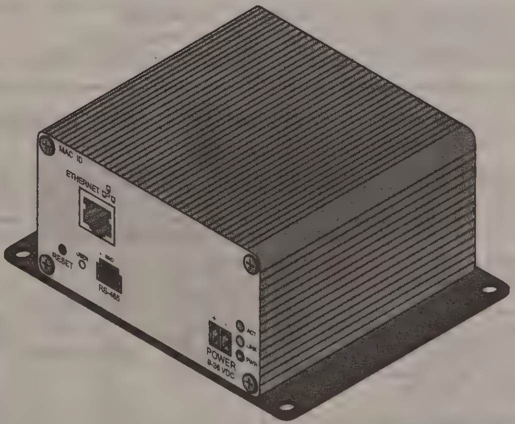
*694—20-101-0467	8 Meg Serial Flash	89.00

EM1500 SERIAL-ETHERNET BRIDGE

The EM1500 Serial-Ethernet Bridge is a device that converts multi-point serial communications to a TCP/IP network. The EM1500 connects to and network enables as many as 4 RS-232 serial devices simultaneously, while also acting as master on a multi-drop RS-485 network. In addition, the EM1500 provides an SPDT relay, 2 digital open collector outputs and 3 digital inputs suitable for interfacing to mechanical switches or logic level circuits.

Success in today's marketplace demands rapid, low-cost access to information. The EM1500 is designed to allow easy setup and monitoring via a "black box" approach. No programming is needed. The tight integration of hardware and software offers unparalleled reliability. Quick configuration over Ethernet, using a web browser or the stand-alone GUI configuration program, is easy and convenient.

The EM1500 interfaces with all types of serial devices: modems, sensors, card readers, bar scanners, printers, etc. Having 2 EM1500s allows the creation of a transparent serial bridge, thereby using some of the more advanced software features, such as packaging and protocol conversions.



Hardware Features:
- 10/100Base-T Ethernet
- 4 Serial Ports
- Guaranteed throughput 600 Kpbs (subject to network throughput)
- Serial ports 3 & 4 are either independent RS-232 ports up to 120 Kbps or TTL
- RS-485 up to 230.4 Kbps
- Easily interface legacy serial devices to Ethernet
- Extend the communication distance between 2 serial devices
- Metal enclosure for industrial applications

Software Features:
- Web browser interface for remote configuration
- GUI for easy configuration and monitoring
- Secure remote configuration
- AT command set emulation

Specifications:

Feature	EM1500
Microprocessor	Rabbit 3000 at 44.2 MHz
Ethernet	10/100Base-T, RJ-45
Flash	512K/256K data
SRAM	512K program execution
Backup Battery	3 V lithium coin type, 950 mAh
Relay	SPDT, 1 A @ 30 VDC, 0.3 A @ 120 VAC
Digital Inputs	3 protected to ± 36 V
Digital Outputs	2 sinking up to 750 mA, > -0.5V; < (Vin + 0.5V).
Serial Ports	1 DTE RS-232, 1 DCE RS-232, 1 RS-485 half duplex, 1 or 2 configurable serial port(s): Two 3-wire, One 5-wire, or one 9-wire (TTL only)
Serial Rate	75-230.4 Kpbs, 7/8 data bits, N/O/E/M/S parity, 1 stop, min thru-put: 600 Kbps
Serial buffer	1020 bytes
Configuration GUI	Supports WIN32, x86 Linux
Flow Control (RS-232)	None, XON/XOFF, RTS/CTS, DTR/DSR, DCD set independently for each directions (Tx, Rx)
Protocols	TCP/IP, telnet, RFC2217, DHCP, ARP, ICMP, DNS
LEDs	4: PWR (red), ACT (yellow), LINK (green), USER (red and green)
Power	9-36 VDC @ 1.5 W max
Operating Temp	–40°C to +70°C
Humidity	5–95%, noncondensing
Connectors	2 DB9 (1 male, 1 female), 1: 1x9 IDC, 0.1" pitch header, 1: 1x3 IDC, 0.1" pitch header 1: 2x5 IDC, 0.1" pitch header, RJ – 45, 1: 2 Position screw terminal
Enclosure Size	3.56" x 4.18 " x 1.72" (90 x 106 x 44 mm)

Tool Kit

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812—101-0585		Serial-Ethernet Bridge Tool Kit	99.00

Product Only

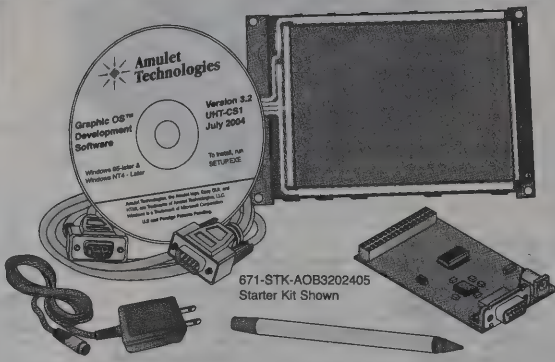
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812—101-0583		EM1500 pre-programmed Ethernet Gateway	249.00

AMULET TECHNOLOGIES Graphical Display Solutions

Products may be RoHS compliant.
Check mouser.com for RoHS status.

Amulet Technologies offers graphical display solutions that include controller boards and LCD modules. All feature the patent-pending Amulet Graphic Operating System (OS) chip (also sold stand-alone). All offer easy hardware integration path from prototype to production. The chip includes a dedicated GUI microprocessor, LCD controller, and graphical library. The GUI is visually created with HTML based development tools for rapidly creating good looking and feature-rich graphical user interfaces (GUI's). Amulet's expertise is graphical LCD integration and control.

GRAPHICAL OS LCD STARTER KIT - The fastest path for integrating a graphical user interface (GUI) into embedded products.



671-STK-AOB3202405
Starter Kit Shown

STK-AOB3202405 Kit Contains:

- 5.7" 1/4 VGA Monochrome Display
- White LED Backlight
- Fully Integrated Analog Touch Panel
- Amulet's Graphical OS Chip fully integrated on the back of the display
- Graphical OS Development Software
- 5VDC Power Supply
- Serial Cable
- Stylus Pen
- Programmable Interface Board

STK-GT380 Kit Contains:

- MKGT380B Display
- 3.8" 1/4 VGA STN Blue Monochrome Display
- Bright-white LED Backlight
- Fully Integrated Analog Touch Panel
- AC Adapter Power Supply
- LCD Controller Board with Graphical OS Controller Chip
- Graphical OS Development Software & Compiler
- Serial Cable
- Stylus Pen

RoHS Compliant

Use these starter kits to evaluate the GRAPHICAL OS hardware and software, and to create the user-interface for your end product. Then use the module kits, controller boards, and Graphical OS controller chip to go from prototype-to-production (below).

MOUSER STOCK NO.	Description	Price Each
671-STK-GT380	Starter Kit with MK-GT380B display and AC power adapter	327.00
671-STK-AOB3202405	Starter Kit with MK-AOB3202405X module and 5VDC power supply	396.00

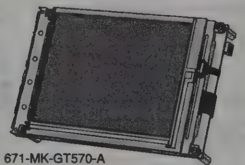
GRAPHICAL OS LCD MODULE KIT - The most complete LCD solution for production.

Kit Contains:

- 1/4 VGA Monochrome Backlit Display
- Fully Integrated Analog Touch Panel
- LCD Controller Board with Graphical OS Controller Chip

∗ NOTE: If purchasing an above unit for evaluation, you will also need to purchase a Program Interface Board **(PIB-1)**. These modules require a 5V power supply **(SAD105-SF5C)** if you do not already have a 5V power supply.

RoHS Compliant



671-MK-GT570-A
Shown

Development software can be purchased separately (below).

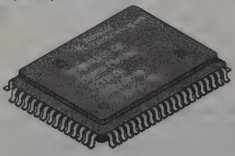
MOUSER STOCK NO.	Description	Price Each		
		1	5	10
671-MK-GT380B	3.8" STN Blue Display with bright-white backlight	235.00	233.00	230.00
671-MK-GT380T	3.8" FSTN Transflective Display w/bright-white backlight	235.00	233.00	230.00
		1	10	30
∗ 671-MK-AOB3202405T	5.7" Transflective Graphic Display	275.00	273.00	270.00
∗ 671-MK-AOB3202405B	5.7" Blue Transmissive Graphic Display	275.00	273.00	270.00
∗ 671-MK-AOB3202405N	5.7" Negative Transmissive Graphic Display	275.00	273.00	270.00

GRAPHICAL OS CONTROLLER CHIP

Combination LCD Controller and user-interface engine makes it easy to integrate LCD's into embedded products that use 8/16/32-bit micros and DSP's. Replaces traditional LCD controller chip. Eliminates need for complex code to draw each pixel on LCD. Chip renders graphical user interface (GUI) pages containing graphic images, widgets, and other UI objects directly to LCD. Works with single-scan, monochrome displays, up to full VGA. Rapidly create GUI using HTML-based development platform. Development software can be purchased separately (below) or comes bundled with Graphical OS Starter Kits (above).

† Starting September 1st, 2006, Amulet Technologies will begin shipping an updated version of its AGB64LV01 Graphical OS Chip and phasing out the previous version. The main enhancement of the updated version is an increase in programming speed while in Program Mode. Due to a new manufacturing process, the new updated version of the AGB64LV01 may potentially require one or more circuit board changes from earlier designs. If necessary, all current and future board designs should incorporate the circuit modifications immediately.

RoHS Compliant



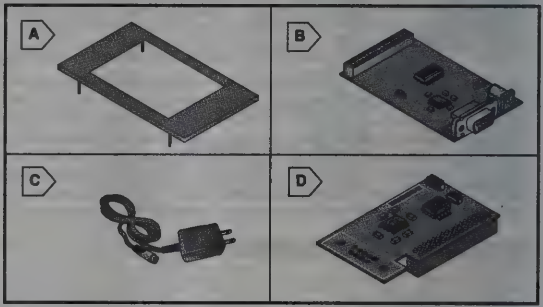
MOUSER STOCK NO.	Description	Price Each		
		1	25	50
†671-AGB64LV01-QC-EA	LCD Controller Chip - Pb free	28.00	27.00	26.00
671-AGB64LV01-QC-E	LCD Controller Chip - Pb free	28.00	27.00	26.00

GRAPHICAL OS DEVELOPMENT SOFTWARE

Amulet Technologies

For use with Graphical OS Controller Chip, LCD Controller Boards, or LCD Modules. Includes Amulet Operating System, HTML-Compiler with built-in flash programmer, Windows Font Converter, Protocol Simulator, and all user help documentation, plus an evaluation version of a web page authoring tool. Enables you to quickly and easily create feature-rich graphical user interfaces (GUI's) for embedded systems, using web page editing tools. Compiler then compresses HTML, GIF, and JPEG files and converts them to Amulet µHTML pages. Includes widgets for creating UI objects such as bargraphs, lineplots, check boxes, function buttons, radio buttons, text strings, numeric fields, etc.

MOUSER STOCK NO.	Description	Price Each
671-UHT-CS1	Amulet compiler software.	97.00



ACCESSORIES FOR LCD MODULES

RoHS Compliant

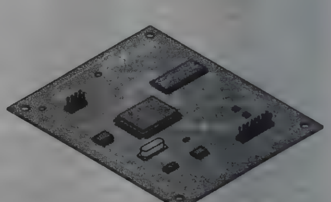
MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
671-BZ-AOB5	A	Bezel Kit for 671-MKAOB3202405X	24.50	24.00
671-PIB-1	B	Program Interface Board for On-Board Modules	29.00	28.00
671-SAD105SF5C	C	5VDC Supply for Amulet Modules	10.00	9.00
671-AOBIBRS232	D	RS232 Interface Board for On-Board Modules	25.50	25.50
			1	10
671-7010001	-	Stylus Pen	4.50	4.25

GRAPHICAL OS LCD CONTROLLER BOARD

- The quickest path for taking a graphical LCD from prototype-to-production.

Features:

- Serial Interface
- Touch Screen Decoder
- Graphical OS Controller Chip
- Supports Single-Scan Monochrome Displays up to full-VGA resolution



RoHS Compliant

The CB-GT570 controller board can be used with 3.3- or 5.0-volt displays and includes an inverter for a CCFL backlight. Development software can be purchased separately (below).

MOUSER STOCK NO.	Description	Price Each
671-CB-GT570	6.5" x 4.25" Controller Board	175.00

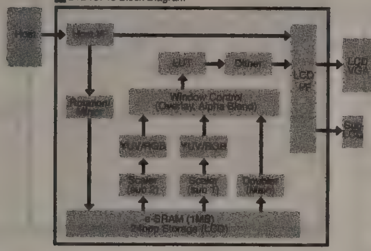
EPSON ELECTRONICS AMERICA Graphic Controllers

EPSON®

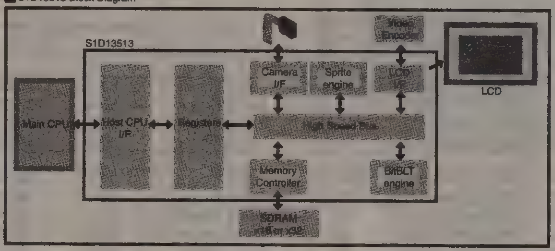
The EPSON LCD Controller family of products offers operating system independent display solutions for embedded markets, such as Mobile Communications, Hand-Held PCs, Office Automation, and other embedded devices. EPSON LCD controllers feature high-performance and low power consumption and include support for the most popular RISC processors. EPSON LCD Controllers support a wide range of LCD panels, including those from small to large scale and those from monochrome to color.

Support for the most popular RISC processors, in addition to all LCD panel types, provides the OEM with complete flexibility. EPSON innovative features such as EPSON Independent Simultaneous Display, SwivelView™, 2D Acceleration, "Picture-In-Picture Plus", integrated USB Client, Digital Camera Interface, and Power Saving technology combine to provide an ideal display solution for a wide variety of applications.

S1D13748 Block Diagram



S1D13513 Block Diagram



EPSON LCD CONTROLLERS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epson Part No.	Package Type	Output	Max. Resolution	Display Memory	Max. Colors/ Gray Scales	Price Each 1	10	25	50
732-S1D13506F00A200	S1D13506F00A200	QFP15-128	SVGA	800x600	Requires External 2MB EDO RAM	64k Colors	18.26	15.98	13.69	12.78
732-S1D13513B00B200	S1D13513B00B200	PFBGA 256	XGA	1028x768	Requires External SDRAM	16M Colors	19.48	17.05	14.61	13.64
732-S1D13513F00A200	S1D13513F00A200	QFP22-208	SVGA	800x600	Requires External SDRAM	16M Colors	18.26	15.98	13.70	12.78
732-S1D13700F02A100	S1D13700F02A100	QFP13-64	QVGA	320x240	32K Byte Embedded SRAM display buffer	16K Gray Scale	8.52	7.90	7.16	6.92
732-S1D13706F00A200	S1D13706F00A200	TQFP15-100	QVGA	320x240	80K Byte Embedded SRAM	64k Colors	12.84	12.11	11.54	11.15
732-S1D13742B00C10	S1D13742B00C10	FCBGA-121	WVGA	800x480	768K Byte Embedded display buffer	256K Colors	16.68	15.95	15.47	14.99
732-S1D13742B01C200	S1D13742B01C200	FCBGA-121	WVGA	800x480	768K Byte Embedded display buffer	256K Colors	16.68	15.96	15.47	14.99
732-S1D13742F01A200	S1D13742F01A200	QFP20-144	WVGA	800x480	768K Byte Embedded display buffer	256K Colors	16.68	15.95	15.47	14.99
732-S1D13743B00C	S1D13743B00C	FCBGA-121	QVGA	320x240	464K Byte Embedded display buffer	16M Colors	14.60	13.96	13.54	13.12
732-S1D13743B00C40B	S1D13743B00C40B	FCBGA-121	WVGA	320x240	464K Byte Embedded display buffer	16M Colors	14.59	13.96	13.54	13.11
732-S1D13A04B00B200	S1D13A04B00B200	PFBGA-121	QVGA	320x240	160K Byte Embedded SRAM	64k Colors	16.78	16.05	15.57	15.08
732-S1D13A04F00A100	S1D13A04F00A100	TQFP15-128	QVGA	320x240	160K Byte Embedded SRAM	64k Colors	14.23	13.77	13.31	12.54
732-S1D13A05B00B200	S1D13A05B00B200	PFBGA-121	QVGA	320x240	256K Byte Embedded SRAM	64k Colors	15.42	14.93	14.43	13.68
732-S1D13A05F00A100	S1D13A05F00A100	QFP5-128	QVGA	320x240	256K Byte Embedded SRAM	64k Colors	16.20	15.49	15.02	14.55
732-S1D13748B00B100	S1D13748B00B100	PFBGA 121	WVGA	800x480	1024K Byte Embedded SRAM	16M Colors	16.70	13.78	12.94	12.53

EPSON T.V. OUT CONTROLLER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epson Part No.	Package Type	Output	Input Data Format RGB	YUV	Display Memory	Price Each 1	10	25	50
732-S1D13746B01B600	S1D13746B01B600	PFBGA-100	NTSC/ PAL	8:8:8, 6:6:6, 5:6:5, 3:3:2	4:2:2, 4:2:0	312K Byte Embedded SRAM	7.57	7.24	7.02	6.80

EPSON USB 2.0 CONTROLLERS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epson Part No.	Package Type	Protocol	Features	Operating Temperature (C)	Supp;y Voltage (V)	Price Each 1	10	25	50
732-S1R72U16F14E100	S1R72U16F14E100	QFP 80	USB 2.0, ATA/IDE	Embedded software	-45 to 85	1.8 - 3.3	13.52	11.83	10.82	10.48
732-S1R72U16B08E100	S1R72U16B08E100	PFBGA 81	USB 2.0, ATA/IDE	Embedded software	-45 to 85	1.8 - 3.3	14.34	12.55	11.47	11.11
732-S5U1R72U16F01000	S5U1R72U16F01000	USB 2.0 Evaluation Board					125.75	125.75	-	-

EPSON LCD CONTROLLER EVALUATION BOARDS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Epson Part No.	Description	Price Each 1	5
732-S5U13000P00C000	S5U13000P00C000	PC Card Adaptor for S1D13700	350.52	350.52
732-S5U13506P00C100	S5U13506P00C100	S1D13506F00A LCD Controller Evaluation Board	444.50	444.50
732-S5U13513P00C100	S5U13513P00C100	S1D13513 Evaluation Board	444.50	444.50
732-S5U13700P00C000	S5U13700P00C000	S1D13700 Evaluation Board	350.52	350.52
732-S5U13706P00C100	S5U13706P00C100	S1D13706 Evaluation Board	488.95	488.95
732-S5U13748P00C100	S5U13748P00C100	S1D13748 Evaluation board	508.00	508.00
732-S5U13A05P00C100	S5U13A05P00C100	S1D13A05F00A Evaluation Board	488.95	488.95
732-S5U13U00P00C100	S5U13U00P00C100	USB Adaptor Board used with LCD Evaluation Boards	795.02	795.02

FUJITSU LCD Touch Panels and Accessories

FUJITSU

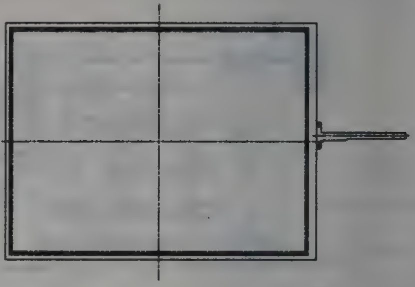
**Products may be RoHS compliant.
Check mouser.com for RoHS status.**

FUJITSU TOUCH PANELS

Features:
- Superior long life using a unique construction method offering improved life over typical technologies; by sensing data input only on the glass layer typically a 10x improvement in product life is achieved.
- Excellent specification and high quality
- Anti-Newton ring technology
- High reliability materials
- 1.1mm glass with AG topcoat

RoHS Compliant

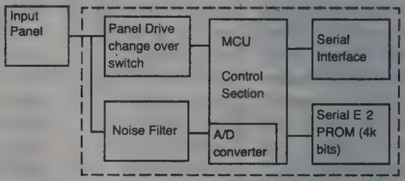
MOUSER STOCK NO.	Fujitsu Part No.	Fits LCD Size (IN)	Style	Transparency	Price Each			
					1	25	50	100
7-Wire Series								
817-N010-0510-T303	N010-0510-T303	17	Pen & Finger	80%	130.89	122.75	113.93	Call For
817-N010-0510-T219	N010-0510-T219	15	Pen & Finger	86%	127.62	119.16	111.03	
817-N010-0550-T717	N010-0550-T717	12.1	Pen & Finger	80%	71.67	67.15	62.35	
817-N010-0550-T613	N010-0550-T613	10.4	Pen & Finger	80%	54.05	50.68	47.02	
4-Wire Series								
817-N010-0554-T805	N010-0554-T805	12.1	Pen & Finger	80%	60.69	57.20	52.82	Call For Quote
817-N010-0554-T347	N010-0554-T347	10.4	Pen & Finger	80%	53.57	45.99	42.47	
817-N010-0519-T742	N010-0519-T742	8.4	Pen & Finger	86%	42.49	40.05	36.99	
817-N010-0554-T506	N010-0554-T506	8.4	Pen & Finger	80%	36.88	34.74	32.09	
817-N010-0554-T048	N010-0554-T048	6.4	Pen & Finger	86%	28.63	26.17	24.17	
817-N010-0554-T043	N010-0554-T043	6.4	Pen & Finger	80%	21.90	20.63	19.05	
817-N010-0554-T009	N010-0554-T009	5.7	Pen & Finger	80%	18.57	17.49	16.15	
817-N010-0554-T703	N010-0554-T703	3.8	Pen & Finger	80%	10.95	10.32	9.53	



FUJITSU RESISTIVE TOUCH PANEL CONTROLLER ICS

Features:
- High quality and reliability touch panel controller
- Serial Interface (RS-232)
- Used to control the 7-Wire resistive touch panels
- 64 pin PQFP MCU with masked ROM

RoHS Compliant

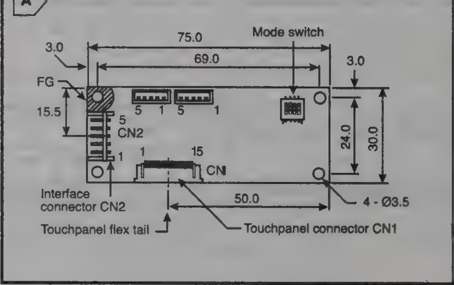

Input Panel
Panel Drive change over switch
MCU
Control Section
Serial Interface
Noise Filter
A/D converter
Serial E 2 PROM (4k bits)

For quantities of 250 and up, call for quote.

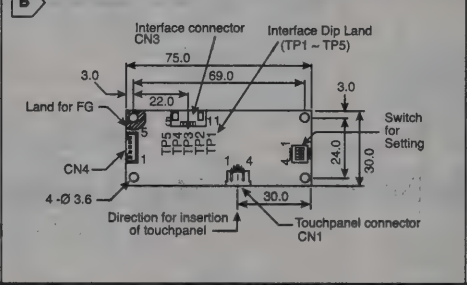
MOUSER STOCK NO.	Fujitsu Part No.	Size	Style	Price Each			
				1	25	50	100
7-Wire Series							
817-N010-0559-V026	N010-0559-V026	Serial RS-232 Microcontroller	plug & play	8.82	8.31	7.67	7.14
817-NC41120-0017	NC41120-0017	USB Microcontroller	-	8.82	8.31	7.67	7.14
4-Wire Series							
817-NC41120-0018	NC41120-0018	USB Microcontroller	-	10.72	10.10	9.32	8.68
817-N010-0559-V036	N010-0559-V036	Serial RS-232 Microcontroller	plug & play	10.72	10.10	9.32	8.68

FUJITSU RESISTIVE TOUCH PANEL CONTROLLER BOARDS

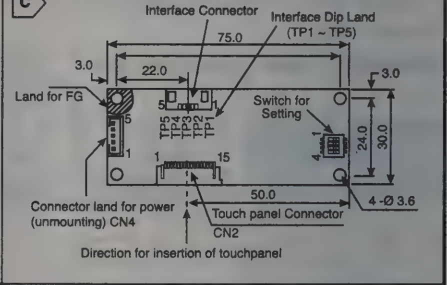
A


75.0
Mode switch
3.0
69.0
3.0
FG
15.5
5 1 5 1
5
CN2
1
1 15
CN
24.0
30.0
Interface connector CN2
50.0
4 - Ø3.5
Touchpanel flex tail
Touchpanel connector CN1

B


Interface connector CN3
Interface Dip Land (TP1 ~ TP5)
75.0
3.0
69.0
3.0
22.0
Land for FG
Switch for Setting
5
TP5 TP4 TP3 TP2 TP1
1
CN4
1 4
24.0
30.0
4 -Ø 3.6
30.0
Direction for insertion of touchpanel
Touchpanel connector CN1

C

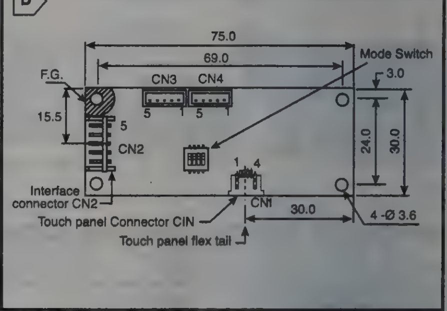

Interface Connector
Interface Dip Land (TP1 ~ TP5)
75.0
3.0
22.0
3.0
Land for FG
Switch for Setting
5
TP5 TP4 TP3 TP2 TP1
1
1 15
24.0
30.0
50.0
4 -Ø 3.6
Connector land for power (unmounting) CN4
Touch panel Connector CN2
Direction for insertion of touchpanel

Features:
- Small footprint PCB
- Supports all major OS types with Fujitsu Driver software
- A complete solution for quick prototype to production use or as a design tool to speed up application and compatibility testing

Main Applications:
- For use with any of the Fujitsu Resistive Touch Panels
- Point of Sale devices
- Access terminals
- Monitoring Systems and Data input terminals

RoHS Compliant

D


75.0
Mode Switch
69.0
3.0
F.G.
CN3
CN4
15.5
5 1 5 1
5
CN2
1 4
24.0
30.0
Interface connector CN2
CN1
30.0
4 -Ø 3.6
Touch panel Connector CIN
Touch panel flex tail

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Size	Price Each			
				1	25	50	100
7-Wire Series							
817-N16B-0558-B280	N16B-0558-B280	A	Serial RS-232 Interface board	28.57	26.91	24.85	23.14
817-N16B-0558-B740	N16B-0558-B740	B	USB 1.1 Interface board	28.57	26.91	24.85	23.14
4-Wire Series							
817-N16B-0558-B270	N16B-0558-B270	C	Serial RS-232 Interface board	23.57	22.20	20.50	19.09
817-N16B-0558-B730	N16B-0558-B730	D	USB 1.1 Interface board	23.57	22.20	20.50	19.09

FUJITSU RESISTIVE TOUCH PANEL CONTROLLER BOARD CABLES

RoHS Compliant
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Size	Price Each			
			1	25	50	100
817-CABLE-RS232	CABLE/RTP/RS232	Serial Cable for -B230, -B240	11.95	11.49	11.03	10.27
817-CABLE-USB	CABLE/RTP/USB	USB cable for -B710, -B720	17.33	16.49	16.01	14.90

FUJITSU RESISTIVE TOUCH PANEL STYLUS

MOUSER STOCK NO.	Fujitsu Part No.	Size	Price Each
817-N010-0557-T002	N010-0557-T002	Stylus for Touch panel	4.99

HANTRONIX LCD Display Modules

Products may be RoHS compliant.
Check mouser.com for RoHS status.

HANTRONIX GRAPHIC DISPLAY MODULES

The Hantronix Advantage is the ability to add value and provide a competitive-edge for their customers in the global market. As a partner-supplier, they are committed to delivering additional value to your business. All Hantronix production facilities are ISO9001 certified and utilize the most modern production equipment to produce the highest quality displays. Hantronix offers one of the largest selection of standard LCD's in the industry. Power Supply Voltage (VDD) is +5.0V.

Our TFT displays deliver amazingly high contrast ratio, crisp color-saturation, exceptional viewing angles, and super bright WLED backlight performance. Additionally, most of our displays are available with integrated touch panel options. Some ideal applications for our TFT displays include instrumentation, industrial controls, handhelds, medical, control/home automation, and POS/retail applications.

HDM3224-1-9J1F Illustrated (320 x 240 dot pixels)

Chip-On-Glass COG MODULES

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Backlight	Module Size	Price Each			
						1	10	50	100
HDG12864F-A72-1-S00F	FSTN	Reflective - Negative	128 x 64	None	77.5 x 51.3 x 2.8	20.44	18.91	17.37	15.84
HDG320240	FSTN	Transflective - Positive	320 x 240	None	88.3 x 69.1 x 2.2	46.14	42.68	39.22	35.76

MONOCHROME MODULES

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Backlight	Module Size	Price Each			
						1	10	50	100
HDM64GS12L-L30S	STN	Transflective - Positive	128 x 64	Yellow LED	93.0 x 70.0 x 14.0	28.6	26.46	24.31	22.17
HDM64GS12L-Y10S	FSTN	Transflective - Positive	128 x 64	White LED	93.0 x 70.0 x 14.0	32.04	29.64	27.23	24.83
HDM64GS24L-2-Y10S	FSTN	Transflective - Positive	240 x 64	White LED	180.0 x 65.0 x 13.8	71.28	65.93	60.59	55.24
HDM2432L-T-Z18F	FSTN	Transflective - Positive	240 x 360	White LED	71.5 x 94.1 x 7.9	80.00	74.00	68.00	62.00
HDM3224-5-N30S	STN	Transflective - Positive	320 x 240	White LED	134x117x14	114.12	105.56	88.44	82.74
HDM3224-1-9JXF	STN	Transflective - Positive	320 x 240	CCFL	167x109x11	90.88	84.07	70.44	68.16

COLOR STN MODULES

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Backlight	Module Size	Price Each			
						1	10	50	100
HDM3224-C	FSTN	Transmissive - Clear	320 x 240	CCFL	168.0 x 111.0 x 9.0	182.23	153.07	138.49	123.91
HDM6424-C	FSTN	Transmissive - Clear	640 X 240	CCFL	173.0 X 73.0 X 6.7	186.16	172.2	158.24	144.27
HDM1216C-2	FSTN	Transmissive - Clear	120 X 160	LED	39.7 x 83.05 x 3.3T	58.96	54.54	45.69	42.75

COLOR TFT MODULES

* Available in Analog Resistive Touch Panel

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fluid Type	Viewing Mode	Number of Pixels (W x H)	Backlight	Module Size	Price Each			
						1	10	50	100
HDA180	1.8"	TFT - Transmissive	128x160	WLED	33.7x64,8x2.9	27.10	26.06	24.64	23.36
HDA200-1	2.0"	TFT- Transmissive - Pos	176x220	WLED	38.5x66.2x3.2	33.20	31.92	30.18	28.62
HDA220	2.2"	TFT- Transmissive - Norm	240x320	WLED	40.4x62.9x2.3	47.30	45.48	43.00	40.78
*HDA350-LV	3.5"	TFT- Transmissive - Norm	320x240	WLED	76.9x63.9x3.3	60.20	57.88	54.73	51.90
*HDA430	4.3"	TFT- Transmissive - Norm	480x272	WLED	105.6x67.2x3.9	91.90	88.37	83.55	79.22
*HDA570S-V	5.7"	Normal white-transmissive	320x240	400 NIT CCFL	144x104x13.0	150.60	144.81	136.91	129.83
HDA570S-F	5.7"	Normal white-transmissive	320x240	WLED	144x104.6x13.0	150.60	144.81	136.91	129.83
*HDA570S-H	5.7"	Normal white-transmissive	320x240	400 NIT CCFL	144x104x13.0	237.90	228.75	216.27	205.09
*HDA570V-V	5.7"	Normal white-transmissive	640x480	WLED	144x104.6x13	180.70	173.75	164.27	155.78
*HDA700L	7.0"	Normal white-transmissive	800x480	WLED	165x106.8x11	180.70	173.75	164.27	155.78

INVERTERS FOR BACKLIGHTS

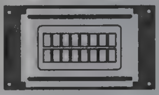
For quantities of 100 and up,call for quote.

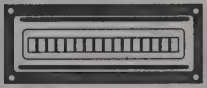
Hantronix Part No.	Graphic Modules Supported	Input Voltage (min./typ./max.)(v)	Input Current (Typ)(mA)	Output Voltage (starting) (min./typ.)(v)	Output Current (Typ)(mArms)	Price Each			
						1	10	20	50
HVI-5A	EL BackLights	3-7	30	62	1.7	7.26	6.72	6.17	5.63
HVI-5E	EL BackLights	3-6.5	57	91.5	7.6	9.90	9.16	8.42	7.67
HVI-5E	EL BackLights	3-6	200	90	12	12.14	11.23	10.32	9.41
HVI-6	HDM64GS24Y-4-C21F, HDM3224-1-9J1F, HDM6448-1-9JCF & HDM3224-C	10.8/12.0/14.0	180	900	5	8.87	8.38	7.89	7.40
HVI-7	HDM6448-C, HDM6448C-7 & HDM6448SC	10.0/12.0/15.0	540	1425/1500	6	22.55	21.30	20.05	18.80

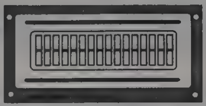
HANTRONIX LCD Display Modules

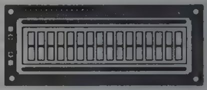
Products may be RoHS compliant.
Check mouser.com for RoHS status.

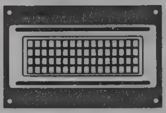
HANTRONIX

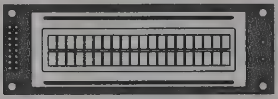
A


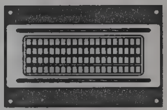
B


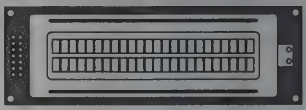
C


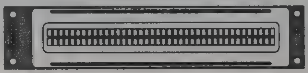
D


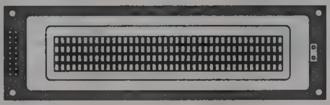
E


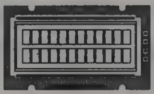
F


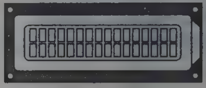
G


H


I


J


K


L


HANTRONIX CHARACTER DISPLAY MODULES

Gray Reflective

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Character Size (mm) (W x H)	Dot Size (mm) (W x H)	Price Each			
								1	10	50	100
HDM08216H-3-S00S	A	STN	8 x 2	58.0 x 32.0 x 10.0	38.0 x 16.0	2.95 x 5.56	0.56 x 0.66	4.93	4.53	4.14	3.74
HDM16116H-2-S01S	B	STN	16 x 1	80.0 x 36.0 x 13.0	63.7 x 13.5	3.20 x 6.35	0.60 x 0.75	7.33	6.74	6.15	5.57
HDM16216H-B-S00S	C	STN	16 x 2	84.0 x 44.0 x 10.0	61.0 x 15.8	2.95 x 5.55	0.55 x 0.65	8.50	7.82	7.14	6.46
HDM16216H-5-S00S	D	STN	16 x 2	80.0 x 36.0 x 10.0	65.6 x 13.8	2.95 x 4.35	0.55 x 0.50	8.08	7.43	6.78	6.14
HDM16216H-4-S00S	C	STN	16 x 2	122.0 x 44.0 x 10.0	99.0 x 24.0	4.84 x 9.66	0.92 x 1.10	13.83	12.72	11.61	10.51
HDM16416H-S00S	E	STN	16 x 4	87.0 x 60.0 x 10.0	61.8 x 25.2	2.95 x 4.75	0.55 x 0.55	15.53	14.28	13.04	11.80
HDM20216H-3-S00S	F	STN	20 x 2	116.0 x 37.0 x 10.0	83.0 x 18.6	3.20 x 5.55	0.60 x 0.65	14.30	13.16	12.01	10.87
HDM20416H-S00S	G	STN	20 x 4	98.0 x 60.0 x 10.0	76.0 x 25.2	2.95 x 4.75	0.55 x 0.55	20.78	19.11	17.45	15.79
HDM24216H-2-S00S	H	STN	24 x 2	118.0 x 36.0 x 10.0	93.5 x 15.8	3.20 x 5.55	0.60 x 0.65	11.73	10.79	9.85	8.91
HDM40216H-4-S00S	I	STN	40 x 2	182.0 x 33.5 x 10.0	154.5 x 15.8	3.20 x 5.55	0.60 x 0.65	22.60	20.79	18.98	17.18
HDM40416H-5-S00S	J	STN	40 x 4	190.0 x 54.0 x 10.0	147.0 x 29.5	2.80 x 4.91	0.52 x 0.57	29.08	26.75	24.42	22.10

Chip-On-Glass (COG)

- Operating temperature: 0 to +50°C
- Storage temperature: -20 to +70°C

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Character Size (mm) (W x H)	Dot Size (mm) (W x H)	Price Each			
								1	10	50	100
HDG1602P-2-L00S	C	STN	16 x 2	65.0 x 27.7 x 2.1	61.0 x 15.7	2.95 x 5.15	.55 x .6	8.58	7.94	7.29	6.65

Gray Transflective

- Operating temperature: -20 to +70°C
- Storage temperature: -30 to +85°C

For quantities of 200 and up, call for quote.

HDM16116H-2-U10S	B	STN	16 x 1	80.0 x 36.0 x 10.0	63.7 x 13.5	3.2 x 6.35	.5 x .75	10.78	9.97	9.16	8.35

Yellow Transflective with LED Backlight

For quantities of 200 and up, call for quote.

Hantronix Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Character Size (mm) (W x H)	Dot Size (mm) (W x H)	Price Each			
								1	10	50	100
HDM08216L-3-L30S	A	STN	8 x 2	58.0 x 37.0 x 13.0	38.0 x 16.0	2.96 x 5.56	0.56 x 0.66	7.23	6.65	6.07	5.49
HDM12216L-L30P	K	STN	12 x 2	55.7 x 32.0 x 12.8	46.7 x 17.5	2.65 x 5.50	0.45 x 0.60	19.45	16.34	14.78	13.23
HDM16116L-L30S	B	STN	16 x 1	80.0 x 36.0 x 14.5	65.6 x 13.8	3.20 x 6.35	0.60 x 0.75	8.65	7.96	7.27	6.57
HDM16216L-B-L30S	C	STN	16 x 2	84.0 x 44.0 x 14.5	61.0 x 15.8	2.95 x 5.55	0.55 x 0.65	10.55	9.71	8.86	8.02
HDM16216L-S-L30S	-	STN	16 x 2	53.0 x 20.0 x 8.5	36.0 x 10.0	2.15 x 4.25	0.35 x 0.33	6.66	6.16	5.06	4.99
HDM16216L-5-E30S	D	STN	16 x 2	80.0 x36.0 x 10.0	65.6 x 13.8	2.95 x 4.35	0.55 x 0.50	9.18	8.49	7.11	6.66
HDM16216L-5-L30S	L	STN	16 x 2	80.0 x 35.0 x 14.5	65.6 x 13.8	2.95 x 4.35	0.55 x 0.50	10.23	9.41	8.59	7.77
HDM16216L-7-L30S	C	STN	16 x 2	122.0 x 44.0 x 15.0	99.0 x 13.0	4.84 x 9.66	0.92 x 1.10	20.45	18.81	17.18	15.54
HDM16416L-1-L30S	E	STN	16 x 4	87.0 x 60.0 x 15.0	61.8 x 25.2	2.95 x 4.75	0.55 x 0.55	20.85	19.18	17.51	15.85
HDM20216L-1-L30S	F	STN	20 x 2	116.0 x 37.0 x 14.5	83.0 x 18.6	3.20 x 5.55	0.60 x 0.65	17.05	15.69	14.32	12.96
HDM20416L-1-L30S	G	STN	20 x 4	98.0 x 60.0 x 15.0	76.0 x 25.2	2.95 x 4.75	0.55 x 0.55	24.63	22.49	20.35	18.21
HDM20416L-M-L30S	G	STN	20 x 4	146.0 x 62.5 x 15.0	123.0 x 42.5	4.84 x 9.22	0.93 x 1.11	36.68	33.74	30.81	27.87
HDM24216L-2-L30S	H	STN	24 x 2	118.0 x 36.0 x 14.0	93.5 x 15.8	3.20 x 5.55	0.60 x 0.65	17.15	15.78	14.41	13.03
HDM40216L-1-L30S	I	STN	40 x 2	182.0 x 33.5 x 15.0	154.5 x 15.8	3.20 x 5.55	0.60 x 0.65	28.58	24.00	21.72	19.43
HDM40416L-4-L30S	J	STN	40 x 4	190.0 x 54.0 x 14.5	147.0 x 29.5	2.80 x 4.91	0.52 x 0.57	42.90	39.47	36.04	32.60

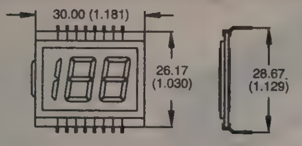
Black-White Transflective with White LED Backlight

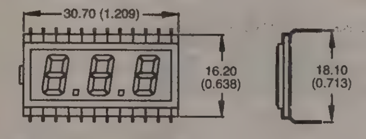
For quantities of 200 and up, call for quote.

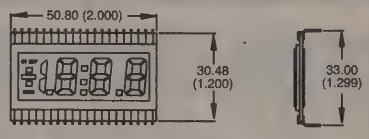
Hantronix Part No.	Fig.	Fluid Type	Format Character x Line	Module Size (mm) (W x H x T)	Viewing Area (mm) (W x H)	Character Size (mm) (W x H)	Dot Size (mm) (W x H)	Price Each			
								1	10	50	100
HDM16216L-B-Y10S	C	FSTN	16 x 2	84.0 x 44.0 x 14.5	61.0 x 15.8	2.95 x 5.55	0.55 x 0.65	16.10	14.81	13.52	12.24
HDM16216L-5-Y10S	L	FSTN	16 x 2	80.0 x 35.0 x 14.5	65.6 x 13.8	2.95 x 4.35	0.55 x 0.50	13.40	12.33	11.26	10.18
HDM16216L-7-Y10S	C	FSTN	16 x 2	122.0 x 33.0 x 15.0	99.0 x 13.0	4.84 x 9.66	0.92 x 1.10	23.25	21.39	19.53	17.67
HDM20216L-1-Y10S	F	FSTN	20 x 2	116.0 x 37.0 x 14.5	83.0 x 18.6	3.20 x 5.55	0.60 x 0.65	22.35	20.56	18.77	16.99
HDM20416L-1-Y10S	G	FSTN	20 x 4	98.0 x 60.0 x 15.0	76.0 x 25.2	2.95 x 4.75	0.55 x 0.55	32.18	27.03	24.45	21.88
HDM40216L-1-Y10S	I	FSTN	40 x 2	182.0 x 33.5 x 15.0	154.5 x 15.8	3.20 x 5.55	0.60 x 0.65	37.55	31.54	28.54	25.53

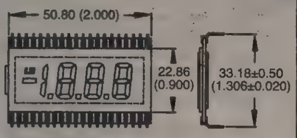
LUMEX LCDs

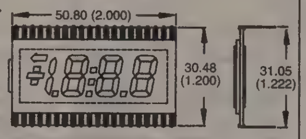
RoHS Compliant **This page of product is compliant.**

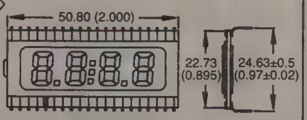
A


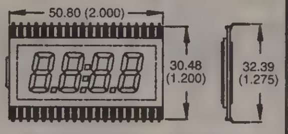
B


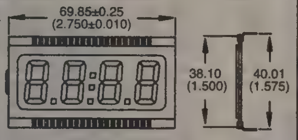
C


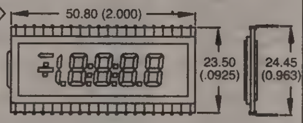
D


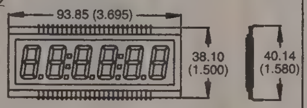
E


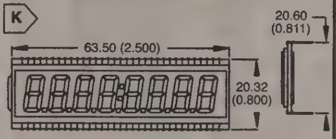
F


G


H


I


J


K


LUMEX NUMERIC LCDS

DIMENSIONS mm(IN)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Description	Character Height	Number of Digits	Digit Size	Type (mm)	Number of Pins	Dual Row Spacing (mm)	Price Each			
										1	5	10	50
696-LCD-S2X1C50TR	LCD-S2X1C50TR	A	Reflective	.5"	2.5	12.17	2.54 Dip	16	28.67	1.78	1.65	1.48	1.34
696-LCD-S2X1C50TF	LCD-S2X1C50TF	A	Transflective	.5"	2.5	12.17	2.54 Dip	16	28.67	1.78	1.65	1.48	1.34
696-LCD-S301C31TR	LCD-S301C31TR	B	Reflective	.31"	3	7.87	2.54 Dip	24	18.1	1.66	1.54	1.38	1.25
696-LCD-S301C31TF	LCD-S301C31TF	B	Transflective	.31"	3	7.87	2.54 Dip	24	18.1	1.66	1.54	1.38	1.25
696-LCD-S3X1C50TRA	LCD-S3X1C50TR/A	C	Reflective	.5"	3.5	12.7	2.54 Dip	40	33	3.78	3.50	3.14	2.84
696-LCD-S3X1C50TFA	LCD-S3X1C50TF/A	C	Transflective	.5"	3.5	12.7	2.54 Dip	40	33	3.78	3.50	3.14	2.84
696-LCD-S3X1C50TRB	LCD-S3X1C50TR/B	D	Reflective	.5"	3.5	12.7	2.54 Dip	40	33.18	3.78	3.50	3.14	2.84
696-LCD-S3X1C50TFB	LCD-S3X1C50TF/B	D	Transflective	.5"	3.5	12.7	2.54 Dip	40	33.18	3.78	3.50	3.14	2.84
696-LCD-S3X1C50TRC	LCD-S3X1C50TR/C	E	Reflective	.5"	3.5	12.7	2.54 Dip	40	31.05	3.78	3.50	3.14	2.84
696-LCD-S3X1C50TFC	LCD-S3X1C50TF/C	E	Transflective	.5"	3.5	12.7	2.54 Dip	40	31.05	3.78	3.50	3.14	2.84
696-LCD-S401C39TR	LCD-S401C39TR	F	Reflective	.39"	4	9.92	1.27 Dip	40	24.64	2.96	2.74	2.46	2.22
696-LCD-S401C39TF	LCD-S401C39TF	F	Transflective	.39"	4	9.92	1.27 Dip	40	24.64	2.96	2.74	2.46	2.22
696-LCD-S401C52TR	LCD-S401C52TR	G	Reflective	0.52"	4	13.2	2.54 Dip	40	32.39	4.20	3.89	3.49	3.15
696-LCD-S401C52TF	LCD-S401C52TF	G	Transflective	0.52"	4	13.2	2.54 Dip	40	32.39	4.20	3.89	3.49	3.15
696-LCD-S401C71TR	LCD-S401C71TR	H	Reflective	0.71"	4	18	2.54 Dip	40	40.01	4.54	4.20	3.77	3.41
696-LCD-S401C71TF	LCD-S401C71TF	H	Transflective	0.71"	4	18	2.54 Dip	40	40.01	4.54	4.20	3.77	3.41
696-LCD-S4X1C35TR	LCD-S4X1C35TR	I	Reflective	.35"	4.5	8.89	2.54 Dip	40	24.45	3.04	2.82	2.53	2.28
696-LCD-S4X1C35TF	LCD-S4X1C35TF	I	Transflective	.35"	4.5	8.89	2.54 Dip	40	24.45	3.04	2.82	2.53	2.28
696-LCD-S601C71TR	LCD-S601C71TR	J	Reflective	.71"	6	17.99	2.54 Dip	50	40.14	7.26	6.72	6.03	5.45
696-LCD-S601C71TF	LCD-S601C71TF	J	Transflective	.71"	6	17.99	2.54 Dip	50	40.14	7.26	6.72	6.03	5.45
696-LCD-S801C42TR	LCD-S801C42TR	K	Reflective	.42"	8	10.7	1.8 Dip	66	20.6	4.20	3.89	3.49	3.15
696-LCD-S801C42TF	LCD-S801C42TF	K	Transflective	.42"	8	10.7	1.8 Dip	66	20.6	4.20	3.89	3.49	3.15

LUMEX DOT MATRIX LCDS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Display Format	Character Format	Pad Layout	Outline Dimension WxHxD (mm)	Viewing Area WxH (mm)	Character Size (mm)	Dot Size WxH (mm)	Price Each			
									1	5	10	50
696-LCM-S01601DTR	LCM-S01601DTR	16 x 1	5 x 8 Dots	Top	80 x 36 x 8.8	66 x 16	3.07 x 6.56	0.55 x 0.75	7.50	6.94	6.23	5.63
696-LCM-S01602DTRA	LCM-S01602DTR/A	16 x 2	5 x 8 Dots	Top	80 x 36 x 8.8	66 x 16	2.96 x 5.56	0.56 x 0.66	9.28	8.58	7.70	6.96
696-LCM-S01602DTRC	LCM-S01602DTR/C	16 x 2	5 x 8 Dots	L Side	84 x 44 x 12.7	66 x 16	2.96 x 5.56	0.56 x 0.66	9.28	8.58	7.70	6.96
696-LCM-S01602DTRM	LCM-S01602DTR/M	16 x 2	5 x 8 Dots	Bottom	66 x 26 x 6.5	52 x 19	2.46 x 5.56	0.46 x 0.66	5.88	5.44	4.84	4.41
696-LCM-S01601DSR	LCM-S01601DSR	16 x 1	5 x 8 Dots	Top	80 x 36 x 8.8	66 x 16	3.07 x 6.56	0.55 x 0.75	9.56	8.85	7.94	7.17
696-LCM-S01602DSRA	LCM-S01602DSR/A	16 x 2	5 x 8 Dots	Top	80 x 36 x 8.8	66 x 16	2.96 x 5.56	0.56 x 0.66	10.34	9.56	8.58	7.76
696-LCM-S01602DSRB	LCM-S01602DSR/B	16 x 2	5 x 8 Dots	Bottom	84 x 44 x 8.8	66 x 16	2.96 x 5.56	0.56 x 0.66	11.38	10.53	9.45	8.54
696-LCM-S01602DSRC	LCM-S01602DSR/C	16 x 2	5 x 8 Dots	L Side	85 x 30 x 8.9	66 x 16	2.96 x 5.56	0.56 x 0.66	11.10	10.26	9.21	8.33
696-LCM-S01602DSRD	LCM-S01602DSR/D	16 x 2	5 x 8 Dots	Bottom	122 x 44 x 8.8	99 x 24	4.84 x 9.63	0.92 x 1.16	15.50	14.34	12.87	11.63
696-LCM-S01604DSR	LCM-S01604DSR	16 x 4	5 x 8 Dots	Top	87 x 60 x 8.9	65 x 25.6	2.95 x 4.75	0.55 x 0.55	22.02	20.37	18.28	16.52
696-LCM-S02002DSR	LCM-S02002DSR	20 x 2	5 x 8 Dots	L Side	116 x 37 x 8.9	85 x 18.6	3.2 x 5.55	0.6 x 0.65	15.82	14.63	13.13	11.87
696-LCM-S02004DSR	LCM-S02004DSR	20 x 2	5 x 8 Dots	Top	98 x 60 x 8.8	8 x 26.3	2.95 x 4.75	0.55 x 0.55	23.98	22.18	19.90	17.99
696-LCM-S04002DSR	LCM-S04002DSR	40 x 2	5 x 8 Dots	L Side	182 x 33.5 x 8.8	154 x 15.3	3.2 x 5.55	0.6 x 0.65	28.56	26.42	23.70	21.42
696-LCM-S01601DSF	LCM-S01601DSF	16 x 1	5 x 8 Dots	Top	80 x 36 x 12.7	66 x 16	3.07 x 6.56	0.55 x 0.75	12.62	11.68	10.48	9.47
696-LCM-S01602DSFA	LCM-S01602DSF/A	16 x 2	5 x 8 Dots	Top	80 x 36 x 12.7	66 x 16	2.96 x 5.56	0.56 x 0.66	13.36	12.36	11.09	10.02
696-LCM-S01602DSFB	LCM-S01602DSF/B	16 x 2	5 x 8 Dots	Bottom	84 x 44 x 12.7	66 x 16	2.96 x 5.56	0.56 x 0.66	13.98	12.94	11.61	10.49
696-LCM-S01602DSFC	LCM-S01602DSF/C	16 x 2	5 x 8 Dots	L Side	85 x 30 x 12.7	66 x 16	2.96 x 5.56	0.56 x 0.66	13.36	12.36	11.09	10.02
696-LCM-S01604DSF	LCM-S01604DSF	16 x 4	5 x 8 Dots	Top	87 x 60 x 12.7	62 x 25.6	2.95 x 4.75	0.55 x 0.55	27.66	25.59	22.96	20.75
696-LCM-S02002DSF	LCM-S02002DSF	20 x 2	5 x 8 Dots	L Side	116 x 37 x 12.7	85 x 18.6	3.2 x 5.55	0.6 x 0.65	20.58	19.04	17.08	15.44
696-LCM-S02004DSF	LCM-S02004DSF	20 x 4	5 x 8 Dots	Top	98 x 60 x 12.7	8 x 26.3	2.95 x 4.75	0.55 x 0.55	31.50	29.14	26.15	23.63
696-LCM-S02402DSF	LCM-S02402DSF	24 x 2	5 x 8 Dots	L Side	118 x 36 x 12.7	93.5 x 16	3.2 x 5.55	0.6 x 0.65	21.28	19.68	17.66	15.96
696-LCM-S04002DSF	LCM-S04002DSF	40 x 2	5 x 8 Dots	L Side	182 x 33.5 x 12.7	154 x 15.3	3.2 x 5.55	0.6 x 0.65	37.14	34.35	30.83	27.86
696-LCM-S04004DSF	LCM-S04004DSF	40 x 4	5 x 8 Dots	L Side	190 x 54 x 14.5	149 x 29.5	2.78 x 4.89	0.5 x 0.55	67.48	62.42	56.01	50.61

LUMEX GRAPHIC LCDS

For quantities of 100 and up, call for quote.

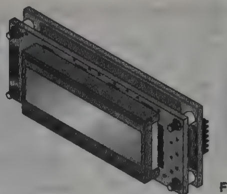
MOUSER STOCK NO.	Lumex Part No.	Dot Pixels WxH	Outline Dimension WxHxD (mm)	Viewing Area WxH (mm)	Pixel Size (mm) WxH	Pixel Pitch (mm) WxH	Built-in Controller	Price Each			
								1	5	10	50
696-LCM-S12232GSF	LCM-S12232GSF	12 x 32	84 x 44 x 12.7	60.5 x 18.5	.40 x .45	.44 x .49	Epson SED 1520	24.98	23.11	20.74	18.74
696-LCMH12864GSFHY	LCM-H12864GSF/H-Y	128 x 64	75 x 52.7 x 10	60 x 32.5	.40 x .40	.43 x .43	Samsung S6B0109	50.80	46.99	42.17	38.10
696-LCM-S240128GSF	LCM-S240128GSF	240 x 128	144 x 104 x 15.1	114 x 64	.40 x .40	.45 x .45	Toshiba T6963C	117.68	108.86	97.68	88.26

MATRIX ORBITAL Serial/12C LCD, VFD and PLED Displays

RoHS Compliant **This page of product is compliant.**

MATRIX ORBITAL ALPHANUMERIC DISPLAYS

Control of the modules has been simplified to a set of commands delivered to the modules via RS232 and I2C communications protocols. PLED's bring hew and exciting diode technology, which are self-luminous displays that do not require backlighting. This means that the display uses much less power than a traditional LCD or VFD and has the added benefit of a 160 degree viewing angle! PLEDs are very thin, lightweight and compact which can be used in a myriad of applications. VFDs are the brightest of all displays and performance is not affected by temperature. All of these displays can be software controlled.

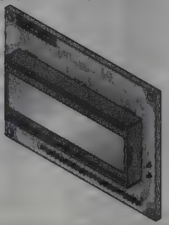


For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Matrix Orbital Part No.	Size	Type	Background	Text	Interface	Outline	Viewing	Voltage	Operating Temperature	Price Each		
											1	10	25
891-LCD0821	LCD0821	8x2	LCD	Yellow/Green	Black	RS232/TTL/I2C	58x32x25	35x15	5V	0 to +50	39.95	39.00	38.03
891-LK16212	LK162-12	16x2	LCD	Yellow/Green	Black	RS232/TTL/I2C	80x36x27.50	62.50x16.10	5V	0 to +50	49.95	48.67	47.50
891-LK16212V	LK162-12-V	16x2	LCD	Yellow/Green	Black	RS232/TTL/I2C	80x36x27.50	62.50x16.10	9-15V	0 to +50	52.45	51.17	50.00
891-LK16212GW	LK162-12-GW	16x2	LCD	White	Blue	RS232/TTL/I2C	80x36x27.50	62.50x16.10	5V	0 to +50	49.95	48.67	47.50
891-LK16212WB	LK162-12-WB	16x2	LCD	Blue	White	RS232/TTL/I2C	80x36x27.50	62.50x16.10	5V	0 to +50	49.95	48.67	47.50
891-LK16212R	LK162-12-R	16x2	LCD	Black	Red	RS232/TTL/I2C	80x36x27.50	62.50x16.10	5V	0 to +50	49.95	48.67	47.50
891-LK16212IY	LK162-12-IY	16x2	LCD	Black	Yellow	RS232/TTL/I2C	80x36x27.50	62.50x16.10	5V	0 to +50	49.95	48.67	47.50
891-VK16212	VK162-12	16x2	VFD	N/A	Blue/Green	RS232/TTL/I2C	80x36x27.50	62.50x16.10	5V	-20 to +65	69.62	66.89	64.16
891-VK16212V	VK162-12-V	16x2	VFD	N/A	Blue/Green	RS232/TTL/I2C	80x36x27.50	62.50x16.10	9-15V	-20 to +65	72.12	69.39	66.66
891-PK16212	PK162-12	16x2	PLED	Black	Yellow/Green	RS232/TTL/I2C	80x36x27.50	62.50x16.10	5V	-20 to +65	59.95	58.70	55.97
891-PK16212V	PK162-12-V	16x2	PLED	Black	Yellow/Green	RS232/TTL/I2C	80x36x27.50	62.50x16.10	9-15V	-20 to +65	62.45	61.20	58.47
891-LK20225	LK202-25	20x2	LCD	Yellow/Green	Black	RS232/TTL/I2C	116x37x25.73	79x17	5V	0 to +50	59.95	57.33	54.60
891-LK20225V	LK202-25-V	20x2	LCD	Yellow/Green	Black	RS232/TTL/I2C	116x37x25.73	79x17	9-15V	0 to +50	62.45	59.83	57.10
891-LK20225GW	LK202-25-GW	20x2	LCD	White	Blue	RS232/TTL/I2C	116x37x25.73	79x17	5V	0 to +50	59.95	57.33	54.60
891-LK20225WB	LK202-25-WB	20x2	LCD	Blue	White	RS232/TTL/I2C	116x37x25.73	79x17	5V	0 to +50	59.95	57.33	54.60
891-LK20225R	LK202-25-R	20x2	LCD	Black	Red	RS232/TTL/I2C	116x37x25.73	79x17	5V	0 to +50	59.95	57.33	54.60
891-LK20225IY	LK202-25-IY	20x2	LCD	Black	Yellow	RS232/TTL/I2C	116x37x25.73	79x17	5V	0 to +50	59.95	57.33	54.60
891-VK20225	VK202-25	20x2	VFD	N/A	Blue/Green	RS232/TTL/I2C	116x37x25.73	79x17	5V	-20 to +65	89.95	85.80	83.66
891-VK20225V	VK202-25-V	20x2	VFD	N/A	Blue/Green	RS232/TTL/I2C	116x37x25.73	79x17	9-15V	-20 to +65	92.45	88.30	86.16
891-PK20225	PK202-25	20x2	PLED	Black	Yellow/Green	RS232/TTL/I2C	116x37x25.73	79x17	5V	-20 to +65	69.50	66.07	63.21
891-PK20225V	PK202-25-V	20x2	PLED	Black	Yellow/Green	RS232/TTL/I2C	116x37x25.73	79x17	9-15V	-20 to +65	72.00	68.57	65.71
891-LK20425	LK204-25	20x4	LCD	Yellow/Green	Black	RS232/TTL/I2C	98.0x60x15	70.4x20.8	5V	0 to +50	69.95	68.02	66.14
891-LK20425V	LK204-25-V	20x4	LCD	Yellow/Green	Black	RS232/TTL/I2C	98.0x60x15	70.4x20.8	9-15V	0 to +50	72.45	70.52	68.64
891-LK20425GW	LK204-25-GW	20x4	LCD	White	Blue	RS232/TTL/I2C	98.0x60x15	70.4x20.8	5V	0 to +50	69.95	68.02	66.14
891-LK20425WB	LK204-25-WB	20x4	LCD	Blue	White	RS232/TTL/I2C	98.0x60x15	70.4x20.8	5V	0 to +50	69.95	68.02	66.14
891-LK20425R	LK204-25-R	20x4	LCD	Black	Red	RS232/TTL/I2C	98.0x60x15	70.4x20.8	5V	0 to +50	69.95	68.02	66.14
891-LK20425IY	LK204-25-IY	20x4	LCD	Black	Yellow	RS232/TTL/I2C	98.0x60x15	70.4x20.8	5V	0 to +50	69.95	68.02	66.14
891-VK20425	VK204-25	20x4	VFD	N/A	Blue/Green	RS232/TTL/I2C	98x60x24.4	70.8x20.9	5V	-20 to +65	125.00	122.46	119.34
891-VK20425V	VK204-25-V	20x4	VFD	N/A	Blue/Green	RS232/TTL/I2C	98x60x24.4	70.8x20.9	9-15V	-20 to +65	127.50	124.96	121.84

MATRIX ORBITAL SERIAL/12C GRAPHIC DISPLAYS

These modules are one of the more recent and excellent additions to the Matrix Orbital line of products. Control of the modules has been simplified to a set of commands delivered to the modules via RS232 and I2C communications protocols. Innovative and labor saving, these modules allow you to download high quality fonts in any size, style or language. Create graphics using primitives such as bitmaps, pixels, lines, rectangles and bar graphs in a flash!



For quantities of 50 and up, call for quote.

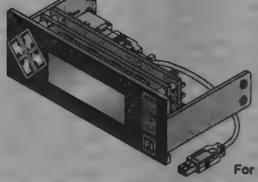
MOUSER STOCK NO.	Matrix Orbital Part No.	Size	Type	Background	Text	Interface	Outline	Viewing	Voltage	Operating Temperature	Price Each		
											1	10	25
891-GLK1223225SM	GLK12232-25-SM	122x32	LCD	White	Blue	RS232/TTL/I2C	86.1x35.1x9.85	60.2x18.0	5V	0 to +50	74.95	72.66	68.45
891-GLK1223225SMV	GLK12232-25-SM-V	122x32	LCD	White	Blue	RS232/TTL/I2C	86.1x35.1x9.85	60.2x18.0	9-15V	0 to +50	77.45	75.16	70.95
891-GLK1223225SMWB	GLK12232-25-SM-WB	122x32	LCD	Blue	White	RS232/TTL/I2C	86.1x35.1x9.85	60.2x18.0	5V	0 to +50	74.95	72.66	68.45
891-GLK1223225WB	GLK12232-25-WBL	122x32	LCD	White	Blue	RS232/TTL/I2C	98.0x60.0x22.05	69.5x20.76	5V	0 to +50	79.95	78.00	76.05
891-GLK1223225WBLV	GLK12232-25-WBL-V	122x32	LCD	White	Blue	RS232/TTL/I2C	98.0x60.0x22.05	69.5x20.76	9-15V	0 to +50	82.45	80.50	78.55
891-GLK2406425	GLK24064-25	240x64	LCD	Yellow/Green	Black	RS232/TTL/I2C	180x65x29.63	127.2x33.88	5V	0 to +50	169.50	163.25	154.28
891-GLK2406425V	GLK24064-25-V	240x64	LCD	Yellow/Green	Black	RS232/TTL/I2C	180x65x29.63	127.2x33.88	9-15V	0 to +50	172.00	165.75	156.78
891-GLK2406425GW	GLK24064-25-GW	240x64	LCD	White	Blue	RS232/TTL/I2C	180x65x29.63	127.2x33.88	5V	0 to +50	169.50	163.25	154.28
891-GLK2406425WB	GLK24064-25-WB	240x64	LCD	Blue	White	RS232/TTL/I2C	180x65x29.63	127.2x33.88	5V	0 to +50	169.50	163.25	154.28
891-GLK24012825	GLK240128-25	240x128	LCD	Yellow/Green	Black	RS232/TTL/I2C	144.0x104x13.5	114x64	5V	-20 to +65	224.95	219.04	213.64
891-GLK24012825V	GLK240128-25-V	240x128	LCD	Yellow/Green	Black	RS232/TTL/I2C	144.0x104x13.5	114x64	9-15V	-20 to +65	227.45	221.54	216.14
891-GLK24012825GW	GLK240128-25-GW	240x128	LCD	White	Blue	RS232/TTL/I2C	144.0x104x13.5	114x64	5V	-20 to +65	224.95	219.04	213.64
891-GLK24012825WB	GLK240128-25-WB	240x128	LCD	Blue	White	RS232/TTL/I2C	144.0x104x13.5	114x64	5V	0 to +50	224.95	219.04	213.64

MATRIX ORBITAL USB ALPHANUMERIC DISPLAYS W/PC BAY INSERTS

With the MX2 series you can now monitor CPU statistics, Hard drive space, and other system critical information. The MX2 also allows you to plug 3 fans and 4 temperature probes directly into the back of the unit for all you quiet and cooling PC needs. Includes everything you will need to get going.

Features:

- Controls fans and LEDs
- Monitor CPU temperatures
- Provide WinAmp support: keypad controls, song information
- Additional features listed in Users Manual



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Matrix Orbital Part No.	Size	Type	Background	Text	Overlay Color	Interface	Viewing	Keypad	PC Bay Size	Price Each	
											1	10
891-MX212	MX212	20x2	LCD	Blue	White	Black	USB	79x17	7	5 1/4"	99.99	97.82
891-MX222	MX222	20x2	LCD	Blue	Blue	Silver	USB	79x17	0	5 1/4"	99.99	97.82
891-MX412	MX412	20x4	LCD	Blue	White	Black	USB	70.4x20.8	7	2 x 5 1/4"	124.99	121.42
891-MX422	MX422	20x4	LCD	Blue	White	Silver	USB	70.4x20.8	0	2 x 5 1/4"	124.99	121.42
891-MX610	MX610	20x2	PLED	Black	Yellow/Green	Black	USB	79x17	7	5 1/4"	109.95	105.42
891-MX620	MX620	20x2	PLED	Black	Yellow/Green	Silver	USB	79x17	0	5 1/4"	109.95	105.42

MICROTIPS LCD Graphic Display Modules

Microtips TECHNOLOGY

RoHS Compliant **This page of product is compliant.**

GRAPHIC MODULES - DIGITAL TFT DISPLAYS

Features:
- TFT Active Matrix
- 3.5" with TMR-Transmissive Micro Reflective
- Up to 16.7 million colors
- SPI Interface available

NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Microtips Part No.	Size (In.)	Touch Screen	Resolution	Dimensions WxHxT (mm)	Luminance (cd/m2)	Contrast Ratio	Operating Temp. (°C)	Price Each		
									1	10	50
668-MTF-T022AHLN	MTF-T022BHNLN	2.2	No	240xRGBx320	40.7x57.7x2.7	200	240:1	-20 to 60	44.10	38.59	33.08
668-MTF-T022BHLP	MTF-T022BHNLP	2.2	Yes	240xRGBx320	40.7x57.7x2.7	200	240:1	-20 to 60	51.20	44.80	38.40
668-MTF-T028ACSLNV	MTF-T028ACSLN-V	2.8	No	240xRGBx320	72.3x53.5x3.45	200	300:1	-20 to 60	55.31	48.30	41.41
668-MTF-T035DHSLN	MTF-T035DHSLN-A	3.5	No	320xRGBx240	76.9x63.9x4.4	250	300:1	-20 to 60	62.54	54.72	46.91
668-MTF-T035DHSLP	MTF-T035DHSLP-A	3.5	Yes	320xRGBx240	76.9x63.9x4.4	250	300:1	-20 to 60	77.44	67.76	58.08
668-MTFT057AMSLN-V1	MTF-T057AMSLN-V1	5.7	No	320xRGBx240	144.0x104.6x11.0	550	250:1	-20 to 70	127.81	112.16	97.69

GRAPHIC MODULES - TOUCH SCREEN

† Touch Screen Modules without an "on board" controller.
(Compatible Touch Screen Controller available on this page.)

Transflective LED Backlight

- 128x128 Dot Pixels (WxH)
- 6 O'Clock Viewing Direction

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Microtips Part No.	Fluid Type	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Dot Pitch H x W	Dot Size (mm) H x W	Price Each
† 668-NBS000255YSGY01	NMTB-S000255FYHSGY	STN	Yellow	Edge LED	Yellow/Green	89.5x73.2x3.8	60.0x58.4	0.43x0.43	0.40x0.40	35.70

White Transflective with Blue EL Backlight

- 6 O'Clock Viewing Direction
- * 12 O'Clock Viewing Direction

For quantities of 10 and up, call for quote.

160x160 Dot Pixels (WxH)										
† 668-NB-235	NMTB-F000235RPHS-01A	FSTN	- - -	EL	- - -	69.0x69.5x5.9	63.4x63.3	0.35x0.35	0.335x0.335	52.50
240x160 Dot Pixels (WxH)										
† 668-NG-F2416BFWSEB	NMTG-F24160BFWHSEB-15A	FSTN	White	EL	Blue	74.6x56.1x7.0	57.58x38.38	0.24x0.24	0.22x0.22	52.50
320x240 Dot Pixels (WxH)										
* 668-NG-F32240BFWNEB	NMTG-F32240BFSHSEB	FSTN	White	EL	Blue	93.8x75.1x5.35	80.8x61.6	0.24x0.24	0.24x0.24	73.50
668-NG-32240H	NMTG-32240HFWHSEB	FSTN	- - -	EL	Blue/Green	73.3x92.2x7.8	57.58x76.78	0.24x0.24	0.24x0.24	75.60

Negative Transmissive with White CCFL Backlight

- 320x240 Dot Pixels (WxH)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Microtips Part No.	Fluid Type	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Dot Pitch H x W	Dot Size (mm) H x W	Price Each
668-NGS32240MNSCW08	NMTG-S32240JMNHSCW-08	STN	Negative	CCFL	White	167.1x109.0x11.0	122.0x92.0	0.36x0.36	0.34x0.34	131.57

Texas Instruments Touch Screen Controller

** For use with select Touch Screen Modules without Touch Screen Controller on Board.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Resolutions	Sample Rate	Supply Voltage	Inputs	Output Type	Power mW	DNI	INL	Price Each		
											1	25	100
595-ADS7843E	ADS7843E	SSOP-16	12	0.125	5	2	Serial	1.8	1	2	3.65	2.91	2.68

GRAPHIC MODULES - TRANSFLECTIVE WITH BACKLIGHT

- 6 O'Clock Viewing Direction

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Microtips Part No.	Fluid Type	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Dot Pitch H x W	Dot Size (mm) H x W	Built-In Controller	Price Each	
											1	10
122x32 Dot Pixels (WxH): LED Backlight												
668-NG-S12232AFYSAY	NMTG-S12232AFYHSAY	STN	Yellow	Array LED	Yel/Green	84.0x44.0x15.0	60.5x18.5	0.44x0.49	0.42x0.47	SED1520DAA	21.25	18.22
668-NG-S12232BFYSAY	NMTG-S12232BFYHSAY-A	STN	Yellow	Array LED	Yel/Green	84.0x44.0x15.0	60.5x18.5	0.44x0.49	0.42x0.47	SED1520DAA	20.96	17.96
668-NGS12232FYSGY10	NMTG-S12232CFYHSGY-10	STN	Yellow	Edge LED	Yel/Green	59.0x29.3x5.5	52.0x15.0	0.345x0.345	0.03x0.03	SED1520DAA	12.35	10.58
128x64 Dot Pixels (WxH): LED Backlight												
668-NG-S12864AFYSAY	NMTG-S12864AFGHSAY-10	STN	Gray	Array LED	Yel/Green	93.0x70.0x14.5	71.7x39.0	0.52x0.52	0.50x0.50	KS0107	34.94	29.95
668-NG-F12864AFYSAY	NMTG-F12864AFYHSAY-10A	FSTN	Yellow	Array LED	Yel/Green	93.0x70.0x14.5	71.7x39.0	0.52x0.52	0.50x0.50	KS0107	31.21	26.75
668-NG-S12864BFYSGY	NMTG-S12864BFYHSGY	STN	Yellow	Edge LED	Yel/Green	75.0x52.7x9.0	60.0x32.5	0.43x0.43	0.40x0.40	KS0107	23.79	20.39
668-NG-S12864EFGSGY	NMTG-S12864EFGHSGY-10A	STN	Gray	Edge LED	Yel/Green	78.0x70.0x12.4	62.0x44.0	0.44x0.60	0.42x0.58	KS0107	46.91	40.21
668-NG-S12864EFYSGY	NMTG-S12864EFYHSGY-10A	STN	Yellow	Edge LED	Yel/Green	78.0x70.0x12.4	62.0x44.0	0.44x0.60	0.42x0.58	KS0107	46.91	40.21
668-NG-F12864IFWSGW	NMTG-F12864IFWHSGW-10A	FSTN	White	Edge LED	White	93.0x70.0x14.5	71.7x39.0	0.52x0.52	0.50x0.50	KS0107	39.65	33.98
160x160 Dot Pixels (WxH): EL Backlight												
668-NG-F16160FFWSEB	NMTG-F16160FFWHSEB-10A	FSTN	White	EL	Blue	69.0x69.5x6.8	60.5x79.25	0.35x0.35	0.33x0.33	- - -	56.87	48.74
240x64 Dot Pixels (WxH): Array LED Backlight												
668-NG-S24064FFYSAY	NMTG-S24064FFYHSAY-30A	STN	Yellow	Array LED	Yel/Green	180.0x65.0x16.1	132.0x39.0	0.53x0.53	0.51x0.51	T6963C	75.31	64.55
320x240 Dot Pixels (WxH): CCFL Backlight												
668-NG-F32240JFWSCW	NMTG-F32240JFWHSCW-A	FSTN	White	CCFL	White	167.1x109.0x11.0	122.0x92.0	0.36x0.36	0.34x0.34	- - -	118.15	101.27

GRAPHIC MODULES - NEGATIVE TRANSMISSIVE WITH BACKLIGHT

- 6 O'Clock Viewing Direction

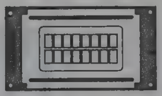
For quantities of 50 and up, call for quote.

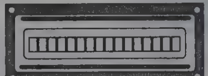
122x32 Dot Pixels (WxH): Array LED Backlight												
668-NG-S12232BMNSAY	NMTG-S12232BMNHSAY	STN	Negative	Array LED	Yel/Green	80.0x36.0x15.0	60.5x18.5	0.44x0.49	0.42x0.47	SED1520DAA	17.62	15.10
128x64 Dot Pixels (WxH): Edge LED Backlight												
668-NG-S12864IMNSGW	NMTG-S12864IMNHSGW-10A	STN	Negative	Edge LED	White	93.0x70.0x14.5	71.7x39.0	0.52x0.52	0.50x0.50	KS0107	37.46	32.11
668-NG-S12864JMNSGW	NMTG-S12864JMNHSGW-10A	STN	Negative	Edge LED	White	75.0x52.7x9.0	60.0x32.5	0.43x0.43	0.40x0.40	KS0107	30.64	26.26
240x64 Dot Pixels (WxH): Edge LED Backlight												
668-NG-S24064IMNSGW	NMTG-S24064IMNHSGW	STN	Negative	Edge LED	White	180.0x65.0x16.1	132.0x39.0	0.53x0.53	0.51x0.51	T6963C	72.29	61.96
320x240 Dot Pixels (WxH): CCFL Backlight												
668-NG-S32240JMNSCW	NMTG-S32240JMNHSCW-A	STN	Negative	CCFL	White	167.1x109.0x11.0	122.0x92.0	0.36x0.36	0.34x0.34	- - -	115.10	98.66

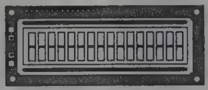
MICROTIPS LCD Character Display Modules

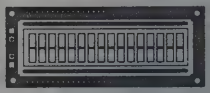
Microtips TECHNOLOGY

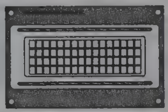
RoHS Compliant **This page of product is compliant.**

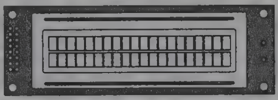
A


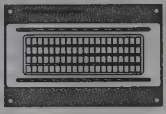
B


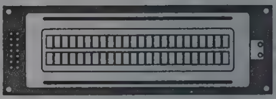
C


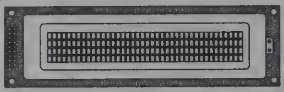
D


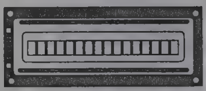
E


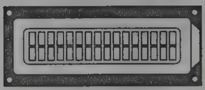
F


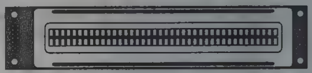
G


H


I


J


K


L


CHARACTER MODULES

Reflective

• Viewing Direction: 6 O'Clock • Fluid Type: STN

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microtips Part No.	Fig.	Background Color	Backlight Type	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) H x W	Character Size (mm) H x W	Dot Size (mm) H x W	Price Each			
										1	10	50	100
8x2 Format (Character x Line)													
668-NC-S0802XRGNN	NMTC-S0802XRGHS	A	Gray	None	None	58.0 x 32.0 x 10.0	38.0x16.0	3.55x5.94	.056x0.66	6.01	5.15	4.43	3.86
668-NC-S0802XRYNS	NMTC-S0802XRYHS-10	A	Yellow	None	None	58.0 x 32.0 x 10.0	38.0x16.0	3.55x5.94	.056x0.66	6.01	5.15	4.43	3.86
16x1 Format (Character x Line)													
668-NC-S16100XRGHS	NMTC-S16100XRGHS-10	B	Gray	None	None	80.0x36.0x10.0	65.0x14	3.77x6.59	0.58x0.78	8.44	7.23	6.23	5.43
668-NC-S16100XRYHS	NMTC-S16100XRYHS	B	Yellow	None	None	80.0x36.0x10.0	65.0x14	3.77x6.59	0.58x0.78	8.44	7.23	6.23	5.43
668-NC-S16101XRGHS	NMTC-S16101XRGHS	B	Gray	None	None	122.0x33.0x10.5	99.0x13.0	4.84x8.06	0.92x1.10	16.49	14.13	12.17	10.60
16x2 Format (Character x Line)													
668-NC-S16201XRGHS	NMTC-S16201XRGHS-10A	C	Gray	None	None	122.04x44.0x10.5	99.0x24.0	4.84x8.06	0.92x1.10	16.67	14.29	12.31	10.72
668-NC-S16204XRGHS	NMTC-S16204XRGHS-10A	C	Gray	None	None	84.0x44.0x10.0	62.2x17.9	2.95x5.55	0.55x0.65	11.63	9.97	8.59	7.48
668-NC-S16204XRYHS	NMTC-S16204XRYHS-10A	C	Yellow	None	None	84.0x44.0x10.0	62.2x17.9	2.95x5.55	0.55x0.65	9.78	8.39	7.23	6.29
668-NC-S16205DRGHS	NMTC-S16205DRGHS	D	Gray	None	None	84.0x36.0x9.5	64.5x16.4	2.97x5.57	0.57x0.67	10.73	9.20	7.92	6.90
16x4 Format (Character x Line)													
668-NC-S16400XRGHS	NMTC-S16400XRGHS-05	E	Gray	None	None	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	17.79	15.24	13.13	11.44
668-NC-S16400XRYHS	NMTC-S16400XRYHS-05	E	Yellow	None	None	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	17.79	15.24	13.13	11.44
20x2 Format (Character x Line)													
668-NC-S20200XRGHS	NMTC-S20200XRGHS-10	F	Gray	None	None	116.0x37.0x10.0	82.2x18.2	3.20x5.55	0.60x0.65	13.86	11.88	10.23	8.91
668-NC-S20200XRYHS	NMTC-S20200XRYHS-10	F	Yellow	None	None	116.0x37.0x10.0	82.2x18.2	3.20x5.55	0.60x0.65	13.86	11.88	10.23	8.91
20x4 Format (Character x Line)													
668-NC-S20400XRGHS	NMTC-S20400XRGHS	G	Gray	None	None	98.5x60.0x10.5	76.0x25.2	2.95x4.75	0.55x0.55	19.28	16.52	14.23	12.40
24x2 Format (Character x Line)													
668-NC-S24200XRGHS	NMTC-S24200XRGHS	H	Gray	None	None	118.0x36.0x10.0	94.5x18.0	3.20x5.55	0.60x0.65	13.86	11.88	10.23	8.91
668-NC-S24200XRYHS	NMTC-S24200XRYHS	H	Yellow	None	None	118.0x36.0x10.0	94.5x18.0	3.20x5.55	0.60x0.65	13.86	11.88	10.23	8.91
40x4 Format (Character x Line)													
668-NC-S40400XRYHS	NMTC-S40400XRYHS-10	I	Yellow	None	None	190.0x54.0x9.1	147.0x29.5	2.78x4.89	0.50x0.55	41.08	35.21	30.32	26.41

Transflective with LED Backlight

• Viewing Direction: 6 O'Clock • Fluid Type: STN

For quantities greater than listed, call for quote.

8x2 Format (Character x Line)													
668-NC-S0802XFGNSAY	NMTC-S0802XFGHSAY-10	A	Gray	Array LED	Yel/Grn	58.0 x 32.0 x 10.0	38.0x16.0	3.55x5.94	.056x0.66	7.52	6.44	5.55	4.84
668-NC-S0802XFYNSAY	NMTC-S0802XFYHSAY-10	A	Yellow	Array LED	Yel/Grn	58.0 x 32.0 x 10.0	38.0x16.0	3.55x5.94	.056x0.66	8.93	7.65	6.59	5.74
16x1 Format (Character x Line)													
668-NC-S16100XFGSAY	NMTC-S16100XFGHSAY-10	B	Gray	Array LED	Yel/Grn	80.0x36.0x14.5	65.0x14	3.77x6.59	0.58x0.78	10.81	9.26	7.98	6.95
668-NC-S16100XFYSAY	NMTC-S16100XFYHSAY-10	B	Yellow	Array LED	Yel/Grn	80.0x36.0x14.5	65.0x14	3.77x6.59	0.58x0.78	12.87	11.03	9.50	8.28
668-NC-S16101XFYSAY	NMTC-S16101XFYHSAY	J	Yellow	Array LED	Yel/Grn	122.0x33.0x15.0	99.0x13.0	4.84x8.06	0.92x1.10	15.80	13.54	11.65	10.15
16x2 Format (Character x Line)													
668-NC-S16201XFGSAY	NMTC-S16201XFGHSAY	K	Gray	Array LED	Yel/Grn	122.0x44.0x14.0	99.0x24.0	4.84x8.06	0.92x1.10	18.90	16.20	13.95	12.15
668-NC-S16201XFYSAY	NMTC-S16201XFYHSAY-10	K	Yellow	Array LED	Yel/Grn	122.0x44.0x14.0	99.0x24.0	4.84x8.06	0.92x1.10	18.90	16.20	13.95	12.15
668-NC-S16204XFGSYA	NMTC-S16204XFGHSAY-10	K	Gray	Array LED	Yel/Grn	84.0x44.0x14.2	62.2x17.9	2.95x5.55	0.55x0.65	14.64	12.55	10.80	9.41
668-NC-S16204XFYSAY	NMTC-S16204XFYHSAY-10	K	Yellow	Array LED	Yel/Grn	84.0x44.0x14.2	62.2x17.9	2.95x5.55	0.55x0.65	12.31	10.55	9.08	7.91
668-NC-S16205DFGSAY	NMTC-S16205DFGHSAY	D	Gray	Array LED	Yel/Grn	84.0x36.0x14.5	64.5x16.4	2.97x5.57	0.57x0.67	11.51	9.86	8.49	7.40
668-NC-S16205DFYSAY	NMTC-S16205DFYHSAY	D	Yellow	Array LED	Yel/Grn	84.0x36.0x14.5	64.5x16.4	2.97x5.57	0.57x0.67	11.51	9.86	8.49	7.40
16x4 Format (Character x Line)													
668-NC-S16400XFYSAY	NMTC-S16400XFYHSAY-05	E	Yellow	Array LED	Yel/Grn	87.0x60.0x9.5	61.8x25.2	2.95x4.75	0.55x0.55	21.97	18.83	16.22	14.12
20x2 Format (Character x Line)													
668-NC-S20200BFGSGW	NMTC-S20200BMNHSGW	F	Gray	Edge LED	White	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	17.87	15.31	13.19	11.49
668-NC-S20200XFYSAY	NMTC-S20200XFYHSAY-10	F	Yellow	Array LED	Yel/Grn	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	17.85	15.30	13.17	11.48
20x4 Format (Character x Line)													
668-NC-S20400XFYSAY	NMTC-S20400XFYHSAY	G	Yellow	Array LED	Yel/Grn	98.5x60.0x14.5	76.0x25.2	2.95x4.75	0.55x0.55	23.69	20.30	17.49	15.23
24x2 Format (Character x Line)													
668-NC-S24200XFGSAY	NMTC-S24200XFGHSAY	H	Gray	Array LED	Yel/Grn	118.0x36.0x14.5	94.5x18.0	3.20x5.55	0.60x0.65	21.17	18.14	15.62	13.61
668-NC-S24200XFYSAY	NMTC-S24200XFYHSAY	H	Yellow	Array LED	Yel/Grn	118.0x36.0x14.5	94.5x18.0	3.20x5.55	0.60x0.65	17.79	15.24	13.13	11.44
40x2 Format (Character x Line)													
668-NC-S40200XFYSAY	NMTC-S40200XFYHSAY-10	L	Yellow	Array LED	Yel/Grn	182.0x33.5x14.0	154.0x16.5	3.20x5.55	0.60x0.65	21.23	18.20	15.67	13.65
40x4 Format (Character x Line)													
668-NC-S40400XFYSAY	NMTC-S40400XFYHSAY-10	J	Yellow	Array LED	Yel/Grn	190.0x54.0x14.0	147.0x29.5	2.78x4.89	0.50x0.55	51.66	44.28	38.13	33.21

Negative Transmissive with LED Backlight

• Viewing Direction: 6 O'Clock • Fluid Type: STN

For quantities greater than listed, call for quote.

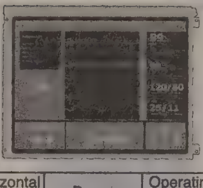
16x2 Format (Character x Line)													
668-NC-S16201XMNSAY	NMTC-S16201XMNHSAY-10A	K	Negative	Array LED	Yel/Grn	122.0x44.0x14.0	99.0x24.0	4.84x8.06	0.92x1.10	16.67	14.29	12.31	10.72
668-NC-S16204XMNSAY	NMTC-S16204XMNHSAY-10A	K	Negative	Array LED	Yel/Grn	84.0x44.0x14.2	62.2x17.9	2.95x5.55	0.55x0.65	14.64	12.55	10.80	9.41
668-NC-S16205DMNSGW	NMTC-S16205GMNHSGW-A	D	Negative	Edge LED	White	84.0x36.0x14.5	64.5x16.4	2.97x5.57	0.57x0.67	13.71	11.75	10.12	8.82
20x2 Format (Character x Line)													
668-NC-S20200BMNSGW	NMTC-S20200BMNHSGW	F	Negative	Edge LED	White	116.0x37.0x14.5	82.2x18.2	3.20x5.55	0.60x0.65	21.27	18.23	15.70	13.68

OPTREX LCD Modules

RoHS Compliant **This page of product is compliant.**

For more Optrex Graphic Modules and Optrex Character Modules, please see our full Optrex offering at www.mouser.com/optrex.

TFT LCD MODULES



Optrex America's TFT (thin film transistor) flat panel displays are rugged, high performance modules designed for the most demanding non-PC applications. They deliver best-in-class, front-of-screen performance with wide viewing angles, powerful backlights and exceptionally high contrast, color saturation and luminance for a range of non-PC applications. These modules are exceptionally rugged – and can operate reliably over wide temperature ranges.

Optrex America's TFT modules are ideally suited for the requirements of the industrial, medical, multimedia and instrumentation markets. Applications include diagnostic equipment, industrial control equipment, POS displays, kiosks, ATMs, and amusement/entertainment systems.

MOUSER STOCK NO.	Optrex Part No.	Size	Dot Format	Outline Dimension WxHxD (mm)	Interface	Luminance	Contrast Ratio	Vertical Viewing Angle	Horizontal Viewing Angle	Power Consumption	Operating Temp. (°C)	Price Each
805-T51513D104JUC	T-51513D104JU-FW-A-AC	10.4	640xRGBx480	243.0x181.6x12.2	TTL	430	500:1	-45/55	±60	6.8W	-20 to 70	**400.70**
805-T51512D121JB	T-51512D121J-FW-A-AB	12.1	800xRGBx600	280.0x210.0x12.0	TTL	400	500:1	-50/40	±60	7.6W	-20 to 70	**360.42**
805-T51756D121JA	T-51756D121J-FW-A-AA	12.1	1024xRGBx768	280.0x210.0x12.0	LVDS	320	550:1	-50/40	±60	8.0W	-20 to 70	**441.63**

LCD TOOLKITS™

Optrex, the LCD Total Solution Provider, has introduced its new LCD ToolKIT™, which provides a convenient kit solution that speeds design and saves engineering and procurement time for developers of products using flat panel displays. Optrex's LCD ToolKIT™ contains everything you need to operate the included TFT display right out of the box. Supports VGA, composite video, and S-video interfaces. Included in the LCD ToolKIT are: LCD panel; TFT controller board with on-screen display board; backlight inverter board; inverter power cable; 12V DC power supply; power supply AC line cord; VGA (analog RGB) cable; 3-ft. video input cable; and a Quick Set-up and document CD-ROM. IT'S ALL IN THE BOX!

OPTREX
ToolKIT

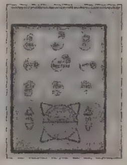
Kits support VGA (Analog RGB), composite video, and S-video interfaces

Kit Includes:
- TFT Panel
- TFT Controller Board with On-Screen Display (OSD) Board
- Backlight Inverter Board
- Inverter Power Cable
- Power Supply AC Line Cord
- VGA (Analog RGB) Cable
- 3 ft. Video Input Cable (S-Video/Composite)
- LCD-to-controller-board interface cable
- CD-ROM with Quick Set-Up Guide and controller manual

MOUSER STOCK NO.	Optrex Part No.	LCD Size	Resolution	Price Each
805-TK104V01	TK104V01	10.4"	640 x 480 VGA	**715.43**
805-TK084X01	TK084X01	8.4"	1024 x 768 XGA	**828.65**
805-TK084V01	TK084V01	8.4"	640 x 480 VGA	**760.51**

GRAPHIC MODULES

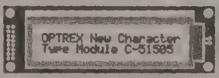
Optrex color and monochrome STN (super twisted nematic) graphic modules offer a wide range of sizes and display formats to satisfy virtually any application. Extensive array of color/background combinations, with high brightness, high contrast, low power consumption, and LED or CCFL backlights. New Highly Reflective models feature crisp, clear black graphics on a silvery, "winter white" backgrounds, providing exceptional clarity, sharpness and readability in all types of ambient lighting conditions. Serial or parallel interface options and economical Chip-on-Glass (COG) construction available.

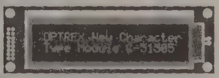


* At backlight surface
** Includes touch panel
† HR-Highly Reflective Background-Winter White (Wint. W)

MOUSER STOCK NO.	Optrex Part No.	Size	LCD Mode	Dot Format	Dot Pitch	Outline Dimension WxHxD (mm)	Viewing Area WxH (mm)	Backlight	Luminance	Contrast Ratio	Operating Temp. (°C)	Price Each 1	Price Each 10
Color Transmissive Graphic Displays													
805-F51373GNCFWAH	F-51373GNC-FW-AH	3.8	Color	240xRGBx320	.24x.24	73.0x94.4x7.3	59.0x80.3	CCFL	70	40:1	0 to 50	**98.01**	**89.10**
805-F51900NCUFWACN**	F-51900NCU-FW-ACN	5.7	Color	320xRGBx240	.36x.36	168.0x111.0x9.4	120.0x90.0	CCFL	100	25:1	0 to 50	**150.69**	**129.17**
Monochrome Transmissive Graphic Displays													
805-F51553GNBJAEN	F-51553GNBJ-LW-AEN	2.8	Blue/White	128x64	.50x.50	89.7x49.8x11.8	66.8x35.5	White LED	100	8:1	-20 to 70	**27.45**	**22.88**
805-F51852GNFQJLBABN	F-51852GNFQJ-LB-ABN	2.8	Black/Blue	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	Blue LED	100	60:1	-20 to 70	**37.19**	**31.88**
805-F51852GNFQJLGACN	F-51852GNFQJ-LG-ACN	2.8	Black/Green	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	Green LED	100	60:1	-20 to 70	**32.83**	**28.14**
805-F51852GNFQJLYADN	F-51852GNFQJ-LY-ADN	2.8	Black/Yellow	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	Yellow LED	100	60:1	-20 to 70	**31.82**	**27.27**
805-F51852GNFQJLRAGN	F-51852GNFQJ-LR-AGN	2.8	Black/Red	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	Red LED	100	60:1	-20 to 70	**36.90**	**30.75**
805-F51852GNFQHLWAFN	F-51852GNFQH-LW-AFN	2.8	Black/White	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	White LED	100	60:1	-30 to 80	**37.19**	**31.88**
805-F51477GNBAD	F-51477GNB-FW-AD	4.7	Neutral/Blue	320x240	.30x.30	129.4x94.0x10.0	99.9x77.0	CCFL	400	4.5:1	0 to 50	**76.36**	**69.42**
805-F51477GNFAG	F-51477GNF-LW-AG	4.7	Black/White	320x240	.30x.30	129.4x94.0x8.8	99.85x77.0	White LED	280	20:1	0 to 50	**96.84**	**90.79**
805-DMF5005NYAKE	DMF-5005NY-LY-AKE	5.2	Yell/Dk. Blue	240x64	.53x.53	180.0x65.0x17.6	132.0x39.0	LED	45	7:1	0 to 50	**76.32**	**65.42**
805-F51405GNBAJ	F-51405GNB-LW-AJ	5.2	Blue/White	240x64	.53x.53	149.5x51.7x9.8	130.2x36.7	LED	400	5:1	0 to 50	**79.14**	**67.83**
805-F51851GNFQJLWAAN	F-51851GNFQJ-LW-AAN	5.2	Black/White	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	White LED	100*	60:1	-20 to 70	**68.06**	**58.34**
805-F51851GNFQJLBABN	F-51851GNFQJ-LB-ABN	5.2	Black/Blue	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	Blue LED	100	60:1	-20 to 70	**72.14**	**62.12**
805-F51851GNFQJLGACN	F-51851GNFQJ-LG-ACN	5.2	Black/Green	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	Green LED	100	60:1	-20 to 70	**62.44**	**53.52**
Monochrome Transflective Graphic Displays													
805-F51852GNFJSLWAEN	F-51852GNFJ-SLW-AEN	2.8	Blck/Wint.W†	128x64	.50x.50	89.7x49.8x11.8	69.0x36.5	LED	40	4.5:1	-20 to 70	**28.30**	**24.26**
805-F51854GNFSLWABN	F-51854GNFJ-SLW-ABN	4.7	Blck/Wint.W†	160x128	.58x.58	129.0x102.0x13.5	108.6x82.55	LED	40	4.5:1	-20 to 70	**94.80**	**81.26**
805-F51851GNFJSLWAEN	F-51851GNFJ-SLW-AEN	5.2	Blck/Wint.W†	240x64	.53x.53	135.2x51.7x9.8	130.2x37.6	LED	40	4.5:1	-20 to 70	**47.15**	**40.41**

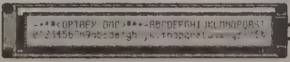
CHARACTER LCD MODULES





Optrex offers the broadest range of monochrome character LCD modules in a wide range of dot pixel formats and color/background combinations in industry standard configurations. High contrast, wide operating temperature range, low operating current, and more luminance per watt. Positive (transflective) types and negative (transmissive) types utilizing Optrex's High Performance Color technology are available.

New Highly Reflective models feature crisp, clear black characters on a silvery, "Winter White" background, providing exceptional clarity, sharpness and readability in all types of ambient lighting conditions. If you need a monochrome character LCD for your information display, Optrex has the right one for your application.



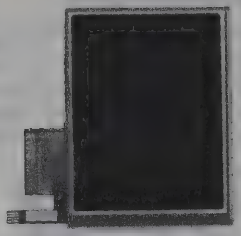
* Luminance measured at backlight surface
** Cursor
† HR-Highly Reflective Background

MOUSER STOCK NO.	Optrex Part No.	Dot Format	LCD Mode	Character Format	Outline Dimension WxHxD (mm)	Viewing Area	Backlight	* Luminance	Contrast Ratio	Operating Temp (°C)	Price Each 1	Price Each 25	Price Each 50	Price Each 100
Transmissive Character Displays														
805-DMC16202NYAGE	DMC-16202NY-LY-AGE	16x2	Yellow/Dark Blue	5x8	84x45x15.1	61x16	LED	55	10:1	-10 to 50	**16.33**	**14.06**	**12.24**	**11.79**
805-DMC16230NYAVE	DMC-16230NY-LY-AVE	16x2	Yellow/Dark Blue	5x7**	122x44x14.6	99x24	LED	70	8:1	0 to 50	**23.91**	**20.49**	**18.44**	**17.76**
805-51848NFQJLWAAN	C-51848NFQJ-LW-AAN	16x2	Black/White	5x8	122x44x14.6	99.6x24.5	White LED	70	60:1	-20 to 70	**31.25**	**26.91**	**23.44**	**22.57**
805-51848NFQJLGACN	C-51848NFQJ-LG-ACN	16x2	Black/Green	5x8	122x44x14.6	99.6x24.5	Green LED	70	60:1	-20 to 70	**31.46**	**25.95**	**23.60**	**22.02**
805-DMC20261NYAXE	DMC-20261NY-LY-AXE	20x2	Yellow/Dark Blue	5x8	116x37x15.7	83x18.6	LED	40	12:1	0 to 50	**20.86**	**17.31**	**15.58**	**14.49**
805-51505NFQJ	C-51505NFQJ-LW-AD	20x2	Black/White	5x8	116x37x15.6	83x18.6	White LED	125	80:1	-20 to 70	**23.78**	**20.48**	**17.83**	**17.17**
805-C51505NFQJAJN	C-51505NFQJ-LB-AJN	20x2	Neutral/Blue	5x8	116x37x15.6	83x18.6	Blue LED	38	80:1	-20 to 70	**26.63**	**23.67**	**20.71**	**15.98**
805-51505NFQJLGAF	C-51505NFQJ-LG-AF	20x2	Black/White	5x8	116x37x15.6	83x18.6	Green LED	160	80:1	-20 to 70	**25.98**	**23.38**	**20.78**	**18.19**
805-51847NFQJLWAAN	C-51847NFQJ-LW-AAN	20x4	Black/White	5x8	98.5x61x15.6	76x25.2	White LED	70	60:1	-20 to 70	**34.31**	**29.54**	**25.73**	**24.78**
805-51847NFQJLGACN	C-51847NFQJ-LG-ACN	20x4	Black/Green	5x8	98.5x61x15.6	76x25.2	Green LED	70	60:1	-20 to 70	**30.04**	**25.87**	**22.53**	**21.70**
805-51850NFQJLWAAN	C-51850NFQJ-LW-AAN	40x2	Black/White	5x8	182x34.5x15.1	153.5x17.5	White LED	70	60:1	-20 to 70	**43.84**	**36.17**	**32.88**	**30.69**
805-51850NFQJLGACN	C-51850NFQJ-LG-ACN	40x2	Black/Green	5x8	182x34.5x15.1	153.5x17.5	Green LED	70	60:1	-20 to 70	**39.13**	**33.70**	**29.35**	**28.26**
805-51849NFQJLWAAN	C-51849NFQJ-LW-AAN	40x4	Black/White	5x8	190x54x14.6	147x29.5	White LED	70	60:1	-20 to 70	**58.30**	**50.20**	**43.73**	**42.11**
805-51849NFQJLGACN	C-51849NFQJ-LG-ACN	40x4	Black/Green	5x8	190x54x14.6	147x29.5	Green LED	70	60:1	-20 to 70	**58.30**	**50.20**	**43.73**	**42.11**
Transflective Character Displays														
805-51848NFJSLWADN	C-51848NFJ-SLW-ADN	16x2	Winter White/Black†	5x8	122x44x14.6	99.6x24.5	LED	40	5:1	-20 to 70	**27.54**	**22.72**	**20.66**	**19.28**
805-51505NFJSLWAIN	C-51505NFJ-SLW-AIN	20x2	Black/White	5x8	116x37x15.6	83x18.6	White LED	125	5:1	-20 to 70	**20.72**	**17.84**	**15.54**	**14.96**
805-51847NFJSLWADN	C-51847NFJ-SLW-ADN	20x4	Winter White/Black†	5x8	98.5x61x15.6	76x25.2	LED	40	5:1	-20 to 70	**40.27**	**34.67**	**30.20**	**29.09**
805-51850NFJSLWADN	C-51850NFJ-SLW-ADN	40x2	Winter White/Black†	5x8	182x34.5x15.1	153.5x17.5	LED	40	5:1	-20 to 70	**41.84**	**34.52**	**31.38**	**29.29**
805-51849NFJSLWADN	C-51849NFJ-SLW-ADN	40x4	Winter White/Black†	5x8	190x54x14.6	147x29.5	LED	40	5:1	-20 to 70	**55.55**	**47.83**	**41.66**	**40.12**

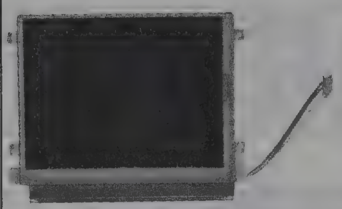
SHARP LCD Products

SHARP.
MICROELECTRONICS
OF THE AMERICAS

A



B



C

D

Sharp LCD displays meet the demand for rugged and versatile color displays with greater performance in areas such as light output, viewability in a wide range of ambient light, and wider operating temperatures, as well as greater options in display orientation. They're capable of being used not only in harsher environments, but also in a wider range of industrial settings.

QVGA DISPLAYS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Fig.	Size	Interface	Resolution	Type	Brightness	Contrast	Operating Temp. (°C)	Viewing Angle (V/H)	Price Each			
											1	10	50	100
852-LQ035Q7DB03F	LQ035Q7DB03F	A	3.52" (8.88 cm)	18 bit digital (6bits/color)	240x320	QVGA, transflective	55 nits	15:1 Reflective; 85:1 Transmissive	-10~+60	100°/100°	162.32	136.97	127.22	119.89
852-LQ035Q7DH06	LQ035Q7DH06	A	3.52" (8.88 cm)	18-bit digital (6 bits/color)	240x320	QVGA, transflective	225 nits	3:1 Reflective; 80:1 Transmissive	-10~+70	100°/100°	162.24	136.92	127.22	119.89
852-LQ036Q1DA01	LQ036Q1DA01	A	3.6" (9.10 cm)	18-bit digital (6 bits/color)	320x240	QVGA	280 nits	500:1	-10~+60	130°/160°	162.15	136.88	127.22	119.89
852-LQ043T1DG01	LQ043T1DG01	A	4.3" (10.9 cm)	24-bit digital (8 bits/color)	480x272	16:9 Aspect	500 nits	300:1	-10~+70	100°/120°	170.11	149.48	140.00	133.86
852-LQ050Q5DR01	LQ050Q5DR01	A	4.96" (12.6 cm)	18-bit digital (6 bits/color)	320x240	QVGA	380 nits	100:1	-30~+85	120°/130°	352.99	296.99	287.21	261.04
852-LQ057Q3DC12	LQ057Q3DC12	A	5.7" (14.4 cm)	18-bit digital (6 bits/color)	320x240	QVGA	500 nits	100:1	-30~+80	105°/130°	550.62	467.04	442.46	402.15

VGA DISPLAYS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Fig.	Size	Interface	Resolution	Type	Brightness	Contrast	Operating Temp. (°C)	Viewing Angle (V/H)	Price Each			
											1	10	50	100
852-LQ064V3DG01	LQ064V3DG01	B	6.4" (16.0 cm)	18-bit digital (6 bits/color)	640x480	VGA	350 nits	350:1	-30~+80	110°/140°	353.01	297.01	287.21	261.04
852-LQ104V1DG21	LQ104V1DG21	B	10.4" (26.0 cm)	18-bit digital (6 bits/color)	640x480	VGA	350 nits	300:1	-10~+65	110°/140°	603.75	541.65	508.88	479.55
852-LQ104V1DG51	LQ104V1DG51	B	10.4" (26.0 cm)	18-bit digital (6 bits/color)	640x480	VGA	350 nits	300:1	-10~+65	110°/140°	560.01	494.01	474.95	449.51
852-LQ121S1DG41	LQ121S1DG41	B	12.1" (31.0 cm)	18-bit digital (6 bits/color)	800x600	SVGA	370 nits	450:1	-10~+65	110°/140°	498.70	447.14	415.58	401.49

SVGA DISPLAYS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Fig.	Size	Interface	Resolution	Type	Brightness	Contrast	Operating Temp. (°C)	Viewing Angle (V/H)	Price Each			
											1	10	50	100
852-LQ121S1LG41	LQ121S1LG41	C	12.1" (31.0 cm)	LVDS	800x600	SVGA	370 nits	450:1	-10~+5	110°/140°	498.70	447.14	415.58	401.49

VGA DISPLAYS

For quantities of 200 and up, call for quote.

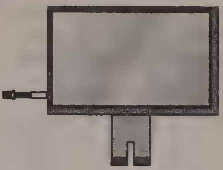
MOUSER STOCK NO.	Sharp Part No.	Fig.	Size	Interface	Resolution	Type	Brightness	Contrast	Operating Temp. (°C)	Viewing Angle (V/H)	Price Each			
											1	10	50	100
852-LQ150X1LGB1	LQ150X1LGB1	D	15.0" (38.0 cm)	LVDS	1024x768	XGA	600 nits	350:1	0~+60	135°/160°	517.01	456.91	449.51	414.73
852-LQ150X1LGN2E	LQ150X1LGN2E	D	15.0" (38.0 cm)	LVDS	1024x768	XGA	350 nits	350:1	0~+60	135°/160°	362.71	305.90	289.51	267.66
852-LQ150X1LW72	LQ150X1LW72	D	15.0" (38.0 cm)	LVDS	1024x768	XGA	350 nits	400:1	0~+50	170°/170°	603.75	541.65	508.88	479.55

VARITRONIX Display Modules

RoHS Compliant This page of product is compliant.

TFT DISPLAYS

Features:
- Viewing Direction: 6 O'Clock
- Character Format: 5 X 8
- Operating Temperature: -5°C to +50°C



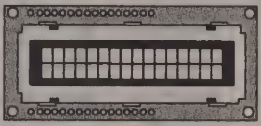
RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Size (in.)	Touch Screen	Resolution	Dimensions (mm)	Luminance (cd/m2)	Number of Colors	Operating Temperature	Price Each			
									1	10	50	100
825-COG-T350MCQA-03	COG-T350MCQA-03	3.5	No	320 x RGB x 240	64.1 x 77.3	3000	16M	-20°C ~ 70°C	50.65	47.39	44.12	42.48
825-T700MPZA-01	TLM-T700MPZA-01	7	No	800 x RGB x 480	165.1 x 104.24	400	262K	-20°C ~ 80°C	139.50	130.50	121.50	117.00
825-TLM-T420MPZ-01	TLM-T420MPZ-01	4.2	No	320 x RGB x 96	115.08 x 37.8 x 5.8	400	262K	-20°C ~ 80°C	104.38	97.64	90.91	87.54

CHARACTER MODULES

Features:
- Viewing Direction: 6 O'Clock
- Character Format: 5 X 8
- Operating Temperature: -5°C to +50°C



RoHS Compliant

8x1 Character x Line Format

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Background Color	Backlight	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) W x H	Character Size (mm) W x H	Price Each			
								1	10	50	100
825-DS81809L4G	MDLS-81809-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	84.0 x 44.0 x 15.0	81.0 x 15.8	6.45 x 10.75	20.04	18.75	17.45	16.81

16x1 Character x Line Format

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Background Color	Backlight	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) W x H	Character Size (mm) W x H	Price Each			
								1	10	50	100
825-DS16166L4G	MDLS-16166-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	80.0 x 36.0 x 14.0	64.5 x 13.8	6.30 x 3.15	14.19	13.28	12.36	11.90

16x2 Character x Line Format

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Background Color	Backlight	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) W x H	Character Size (mm) W x H	Price Each			
								1	10	50	100
825-DS16264L4G	MDLS-16264-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	65.5 x 36.7 x 14.0	48.0 x 12.0	4.07 x 2.54	15.40	14.41	13.41	12.92
825-DS16264SL4G	MDLS-16264-S-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	65.5 x 36.7 x 14.0	48.0 x 12.0	4.07 x 2.54	15.40	14.41	13.41	12.92
825-DS16265	MDLS-16265-G-LV	Yellow/Green	None	- -	84.0 x 44.0 x 10.0	61.0 x 15.8	5.55 x 2.95	11.76	11.00	10.24	9.86
825-DS16265L4G	MDLS-16265-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	84.0 x 44.0 x 14.0	61.0 x 15.8	5.55 x 2.95	15.60	14.59	13.59	13.08

20x2 Character x Line Format

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Background Color	Backlight	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) W x H	Character Size (mm) W x H	Price Each			
								1	10	50	100
825-DS20265L4G	MDLS-20265-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	116.0 x 37.0 x 14.0	83.0 x 18.6	5.55 x 3.20	23.52	21.97	20.32	18.54

20x4 Character x Line Format

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Background Color	Backlight	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) W x H	Character Size (mm) W x H	Price Each			
								1	10	50	100
825-DS20464L4G	MDLS-20464-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	98.0 x 60.0 x 14.0	76.0 x 25.2	4.70 x 2.90	35.19	32.98	30.79	28.58
825-DS20464BL4G	MDLS-20464B-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	77.0 x 47.0 x 13.0	60.0 x 22.0	4.03 x 2.30	32.64	30.53	28.43	27.37
825-DS20464NL4G	MDLS-20464-N-LV-LED4G	Black	LED4G	Yellow/Green	98.0 x 60.0 x 14.0	76.0 x 25.2	4.70 x 2.90	33.39	32.31	31.23	30.16

40x2 Character x Line Format

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Background Color	Backlight	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) W x H	Character Size (mm) W x H	Price Each			
								1	10	50	100
825-DS40266GLV	MDLS-40266-G-LV	Yellow/Green	None	- -	182.0 x 33.5 x 11.0	154.4 x 15.8	5.50 x 3.15	33.14	31.07	29.04	26.93
825-DS40266L4G	MDLS-40266-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	182.0 x 33.5 x 14.0	154.0 x 15.8	5.50 x 3.15	43.71	40.89	38.07	36.66

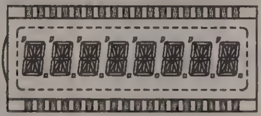
40x4 Character x Line Format

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Background Color	Backlight	Backlight Color	Module Size (mm) W x H x T	Viewing Area (mm) W x H	Character Size (mm) W x H	Price Each			
								1	10	50	100
825-DS40466L4G	MDLS-40466-G-LV-LED4G	Yellow/Green	LED4G	Yellow/Green	196.0 x 56.0 x 14.0	154.4 x 27.6	5.50 x 3.15	67.48	63.13	58.77	56.60

LCD DISPLAY MODULES

Features:
- TN in Reflective, Transflective, and High Temperature Styles
- Available in 2 through 8 numerical segments.
- LCD Mode: Positive
- Background Color: Gray



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Varitronix Limited Part No.	Number of Digits	Digit Height	Digit Type	Annunciates	Module Size (mm) W x H	Price Each			
							1	10	50	100
825-VI201DPRCS	VI-201-DP-RC-S	2	12.7	7 Segment	- - -	27.9 X 30.5	3.10	2.90	2.70	2.60
825-VI321DPRCS	VI-321-DP-RC-S	3	8.89	7 Segment	- - -	30.4 X 22.8	3.08	2.88	2.68	2.58
825-VI322DPRCS	VI-322-DP-RC-S	3-1/2	12.7	7 Segment	BAT, Triangle, Plus/Minus, Sinewave	50.8 X 30.5	4.90	4.59	4.27	4.11
825-VI302DPRCS	VI-302-DP-RC-S	3-1/2	12.7	7 Segment	LO BAT, Plus/Minus	50.8 X 30.5	4.90	4.58	4.27	4.11
825-VI422DPRCS	VI-422-DP-RC-S	4	12.7	7 Segment	One Triangle Symbol	50.8 X 30.5	4.90	4.10	3.39	3.07
825-VI415DPFHW	VI-415-DP-FH-W	4	17.8	7 Segment	- - -	69.9 x 38.1	14.58	12.39	10.94	10.21
825-VIM878DPRCS	VIM-878-DP-RC-S	8	7.0	14 Segment	8 Apostrophes, Starburst	48.0 X 13.0	4.41	4.12	3.84	3.69
825-VIM878DPRCSHV	VIM-878-DP-RC-S-HV	8	7.0	14 Segment	8 Apostrophes, Starburst	48.0 X 13.0	5.68	4.83	4.26	3.98
825-VIM878DPFCS	VIM-878-DP-FC-S	8	7.0	14 Segment	8 Apostrophes, Starburst	48.0 X 13.0	5.68	4.86	4.26	3.98

VISHAY / DALE LCD and Plasma Displays

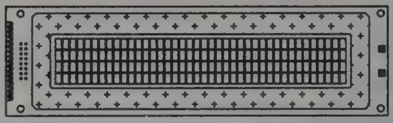
VISHAY / DALE LCD CHARACTER DISPLAYS

Vishay LCD components offer distinct, cost effective solutions for common display interfaces.

If your next design requires a monochrome character display module, look to Vishay brand products for a quality LC module.

Features:

- RoHS compliant
- Offering a wide range of Liquid Crystal modules from 8 x 2 to 40 x 4 format
- High contrast
- Wide temperature operation (-20 to +70° C)
- +5 volt operation with low current parameters
- Standard product offers Transflective polarizer, with 6:00 viewing.



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Size	Type	Background	Backlight Color (LED)	Interface	Outline	Viewing	Voltage	Operating Temperature	Price Each		
											1	10	25
71-L8N2AYYHET	L008N002AYYHET0000	8 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	58.0x32.0	38.0x16.0	+5 V	-20 to +70°C	10.73	9.39	8.58
71-L012N2AYYHET	L012N002AYYHET000	12 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	55.70x32.0	46.0x14.5	+5 V	-20 to +70°C	15.82	13.84	12.65
71-L016N1AYYHET	L016N001AYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	14.54	12.73	11.64
71-L016N1BYYHET	L016N001BYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x28.0	66.0x16.0	+5 V	-20 to +70°C	14.54	12.73	11.64
71-L016N1LYYHET	L016N001LYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	122.0x33.0	99.0x13.0	+5 V	-20 to +70°C	21.46	18.77	17.16
71-L016N2AYYHET	L016N002AYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	84.0x44.0	66.0x16.0	+5 V	-20 to +70°C	16.42	14.36	13.13
71-L016N2BYYHET	L016N002BYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	15.62	13.67	12.50
71-L016N2CYYHET	L016N002CYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x36.0	66.0x16.0	+5 V	-20 to +70°C	16.01	14.01	12.81
71-L016N2DYYHET	L016N002DYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x30.0	66.0x16.0	+5 V	-20 to +70°C	11.15	9.91	8.92
71-L016N2JYYHET	L016N002JYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	16.01	14.01	12.81
71-L016N2LYYHET	L016N002LYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	122.0x44.0	99.0x24.0	+5 V	-20 to +70°C	28.49	24.93	22.79
71-L016N2MYYHET	L016N002MYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x32.60	66.0x16.0	+5 V	-20 to +70°C	16.01	14.01	12.81
71-L016N1AYYHET	L016N001AYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	14.54	12.73	11.64
71-L016N1BYYHET	L016N001BYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x28.0	66.0x16.0	+5 V	-20 to +70°C	14.54	12.73	11.64
71-L016N1LYYHET	L016N001LYYHET0000	16 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	122.0x33.0	99.0x13.0	+5 V	-20 to +70°C	21.46	18.77	17.16
71-L016N2AYYHET	L016N002AYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	84.0x44.0	66.0x16.0	+5 V	-20 to +70°C	16.42	14.36	13.13
71-L016N2BYYHET	L016N002BYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	15.62	13.67	12.50
71-L016N2CYYHET	L016N002CYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x36.0	66.0x16.0	+5 V	-20 to +70°C	16.01	14.01	12.81
71-L016N2DYYHET	L016N002DYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x30.0	66.0x16.0	+5 V	-20 to +70°C	11.15	9.91	8.92
71-L016N2JYYHET	L016N002JYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	80.0x36.0	66.0x16.0	+5 V	-20 to +70°C	16.01	14.01	12.81
71-L016N2LYYHET	L016N002LYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	122.0x44.0	99.0x24.0	+5 V	-20 to +70°C	28.49	24.93	22.79
71-L016N2MYYHET	L016N002MYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x32.60	66.0x16.0	+5 V	-20 to +70°C	16.01	14.01	12.81
71-L016N2OYYHET	L016N002OYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x25.20	66.0x16.0	+5 V	-20 to +70°C	15.62	13.67	12.50
71-L016N2PYYHET	L016N002PYYHET0000	16 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	85.0x25.20	66.0x16.0	+5 V	-20 to +70°C	15.62	13.67	12.50
71-L016N4AYYHET	L016N004BYYHET0000	16 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	70.60x60.0	60.0x32.60	+5 V	-20 to +70°C	28.06	24.55	22.44
71-L020N1AYYHET	L020N001AYYHET0000	20 x 1	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	180.0x40.0	149.0x23.0	+5 V	-20 to +70°C	26.26	22.97	21.00
71-L020N2AYYHET	L020N002AYYHET0000	20 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	116.0x37.0	85.0x18.60	+5 V	-20 to +70°C	26.26	22.97	21.00
71-L020N2DYYHET	L020N002DYYHET0000	20 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	89.0x21.5	75.0x5.150	+5 V	-20 to +70°C	45.86	40.13	36.69
71-L020N2LYYHET	L020N002LYYHET0000	20 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	180.0x40.0	149.0x23.0	+5 V	-20 to +70°C	45.86	40.13	36.69
71-L020N2MYYHET	L020N002MYYHET0000	20 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	146.0x43.0	123.0x23.0	+5 V	-20 to +70°C	41.50	36.31	33.20
71-L020N4AYYHET	L020N004AYYHET0000	20 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	98.0x60.60	77.0x25.20	+5 V	-20 to +70°C	34.06	29.80	27.24
71-L020N4BYYHET	L020N004BYYHET0000	20 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	98.0x60.60	77.0x25.20	+5 V	-20 to +70°C	34.06	29.80	27.24
71-L020N4DYYHET	L020N004DYYHET0000	20 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	77.0x47.0	60.0x22.0	+5 V	-20 to +70°C	27.50	24.07	22.00
71-L020N4LYYHET	L020N004LYYHET0000	20 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	146.0x62.5	123.5x43.0	+5 V	-20 to +70°C	67.70	59.24	54.16
71-L024N2AYYHET	L024N002AYYHET0000	24 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	118.0x36.0	94.5x16.0	+5 V	-20 to +70°C	28.94	25.33	23.16
71-L040N2AYYHET	L040N002AYYHET0000	40 x 2	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	182.0x33.5	154.40x16.5	+5 V	-20 to +70°C	39.84	34.86	31.87
71-L040N4AYYHET	L040N004AYYHET0000	40 x 4	LCD	Yellow / Green	Yellow / Green	8-Bit Micro	190.0x54.0	147.0x29.5	+5 V	-20 to +70°C	67.46	59.03	53.97

PLASMA DISPLAY MODULES

Vishay Dale's patented "open" construction method provides superior viewing angles that are unsurpassed by any display technology. Vishay Dale displays are designed to exploit the inherent high brightness capability of DC Plasma displays to make them excellent choices for practically any application. The nature of the plasma glow make the display characters or graphics appear much larger than they actually are. State-of-the-art design using the latest SMT components and DC/DC converters result in modules that provide minimum front panel space and depth.

Features:

- TTL level video interface
- On board converter
- Viewing angle of 150° minimum
- Ideal for low to medium level information content messages: arcade games POS terminals, medical equipment, and ATM machines

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Pixel Matrix	Display Color	Viewing Area (mm)	Character Size (W x H)	Voltage (VDC)	Luminace	Pixel Size (mm)	Price Each			
									1	10	25	50
71-APD-128G032A	APD-128G032A	128 X 32	Orange	323.8 W x 80.01 L	11.43 x 16.51	+ 12 to + 24	50	1.27	298.50	268.65	253.73	238.80
71-APD-192G064-1	APD-192G064-1	192 X 64	Orange	389.38 W x 129.29 H	12.19 x 16.26	+ 12 to + 24	50	1.27	441.00	396.90	374.85	352.80
71-APD-256G064-1	APD-256G064-1	256 X 64	Orange	323.85 W x 107.70 H	5.72 x 11.15	+ 12 to + 24	50	0.635 x 1.016	396.50	356.85	337.03	317.20

VIDEO CONTROLLERS

The plasma graphic display controllers can drive a variety of popular plasma displays having a common 14 pin video interface. The controller can clock displays with 128 x 32, 128 x 64, 192 x 64, 256 x 64, and 320 x 64 pixel formats. Three fonts are available: 4 x 5, 5 x 7, and 10 x 14. Custom non-standard characters and images may be loaded.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Voltage (VDC)	Current	Operating Temperature	Interface	Price Each			
						1	10	25	50
71-PDS-500	PDS-500	+5	100mA max	- 20 to + 70°C	8-bit parallel or RS-232 serial interface	308.00	277.20	261.80	246.40
71-PDS-500-1	PDS-500-1	+8 to +24	100mA max	- 20 to + 70°C	8-bit parallel or RS-232 serial interface	308.00	277.20	261.80	246.40

PLASMA PANEL DISPLAYS

The plasma panel displays are a direct replacement for various arcade game and pinball applications

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Description	Price Each			
			1	10	25	50
71-PD-04D070-1	PD-04D070-1	4 Digit, 7 segment numeric display, 0.7" character height	51.70	46.53	43.95	41.36
71-PD-06D070-2	PD-06D070-2	6 Digit, 7 segment numeric display, 0.7" character height	54.12	48.71	46.00	43.30
71-PD-07A070-1	PD-07A070-1	7 Digit, 14 segment alphanumeric display, 0.7" character height	61.06	54.95	51.90	48.85
71-PD-07D070-1	PD-07D070-1	7 Digit, 7 segment numeric display, 0.7" character height	54.90	49.41	46.67	43.92
71-PD-16A070-4	PD-16A070-4	16 Digit, 7 segment alphanumeric display, 0.7" character height	77.78	70.00	66.11	62.22

Replacement Glass

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Description	Price Each			
			1	10	25	50
71-PD-128G016-1	PD-128G016-1	128 X 16 Cherry replacement glass / only with F-pins	174.00	156.60	147.90	139.20
71-PD-128G032-2	PD-128G032-2	128 X 32 Cherry replacement glass / only with F-pins	140.00	126.00	119.00	112.00
71-PD-128G032-3	PD-128G032-3	128 X 32 Vishay replacement glass / only with F-pins	140.00	126.00	119.00	112.00

AVAGO LED Displays

Avago
TECHNOLOGIES

AVAGO SMART LED DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Character Count	Color	Interface	Character Height	Intensity (μcd)(Typ.)	Supply Current (mA)(Typ.)	Price Each			
								1	10	50	100
630-HDSP-0762	HDSP-0762	1	Red	-	7.4 mm	140	78	36.31	29.79	27.93	26.07
630-HDSP-0772	HDSP-0772	1	Red	-	7.4 mm	620	120	36.31	29.79	27.93	26.07
630-HDSP-0962	HDSP-0962	1	Green	-	7.4 mm	1100	120	31.47	25.82	24.21	22.60
630-HPDL-1414	HPDL-1414	4	Red	Parallel	2.9 mm	1	70	25.72	21.10	19.79	18.47
630-HDLO-2416	HDLO-2416	4	Red	Parallel	5.1 mm	3.5	110	18.67	15.11	14.22	12.67
630-HDLS-2416	HDLS-2416	4	Red	Parallel	5.1 mm	12.7	125	24.70	17.78	15.81	14.33
630-HCMS-2902	HCMS-2902	4	Red	Serial	3.7 mm	64	132	21.32	17.38	15.99	14.92
630-HCMS-2912	HCMS-2912	4	Red	Serial	3.7 mm	64	264	31.26	25.65	24.05	22.44
630-HCMS-2962	HCMS-2962	4	Red	Serial	4.6 mm	64	132	21.94	17.88	16.46	15.36
630-HDSP-0760	HDSP-0760	4	Red	-	7.4 mm	140	78	34.83	28.58	26.79	25.00
630-HCMS-2915	HCMS-2915	4	Red	Serial	3.7 mm	230	290	44.75	32.22	28.64	25.96
630-HCMS-2965	HCMS-2965	4	Red	Serial	4.6 mm	230	145	30.25	21.78	19.36	17.55
630-HDLY-2416	HDLY-2416	4	Yellow	Parallel	5.1 mm	3.7	110	18.67	15.11	14.22	12.67
630-HCMS-2961	HCMS-2961	4	Yellow	Serial	4.6 mm	64	132	21.94	17.88	16.46	15.36
630-HDLG-2416	HDLG-2416	4	Green	Parallel	5.1 mm	5.6	110	18.67	15.11	14.22	12.67
630-HCMS-2903	HCMS-2903	4	Green	Serial	3.7 mm	114	132	21.32	17.38	15.99	14.92
630-HCMS-2913	HCMS-2913	4	Green	Serial	3.7 mm	114	264	31.26	25.65	24.05	22.44
630-HCMS-2963	HCMS-2963	4	Green	Serial	4.6 mm	114	132	21.94	17.88	16.46	15.36
630-HDSP-2112	HDSP-2112	8	Red	Parallel	4.8 mm	7.5	300	34.40	28.22	26.46	24.70
630-HDSP-2132	HDSP-2132	8	Red	Parallel	4.8 mm	7.5	300	145.64	140.62	137.60	135.59
630-HDSP-2502	HDSP-2502	8	Red	Parallel	7 mm	7.5	300	40.66	33.17	31.03	29.43
630-HDSP-2532	HDSP-2532	8	Red	Parallel	4.6 mm	7.5	300	32.57	26.72	25.05	23.38
630-HDSP-2534	HDSP-2534	8	Red	Parallel	4.6 mm	7.5	300	36.08	29.60	27.75	25.90
630-HCMS-2972	HCMS-2972	8	Red	Serial	4.6 mm	64	264	32.57	26.72	25.05	23.38
630-HCMS-2975	HCMS-2975	8	Red	Serial	4.6 mm	230	290	46.25	33.30	29.60	26.83
630-HDSP-2111	HDSP-2111	8	Yellow	Parallel	4.8 mm	7.5	300	34.40	28.22	26.46	24.70
630-HDSP-2531	HDSP-2531	8	Yellow	Parallel	4.6 mm	7.5	300	32.57	26.72	25.05	23.38
630-HCMS-2971	HCMS-2971	8	Yellow	Serial	4.6 mm	64	264	32.57	26.72	25.05	23.38
630-HDSP-2113	HDSP-2113	8	Green	Parallel	4.8 mm	7.5	300	34.40	28.22	26.46	24.70
630-HDSP-2133	HDSP-2133	8	Green	Parallel	4.8 mm	7.5	300	145.64	140.62	137.60	135.59
630-HDSP-2503	HDSP-2503	8	Green	Parallel	7 mm	7.5	300	40.66	33.17	31.03	29.43
630-HDSP-2533	HDSP-2533	8	Green	Parallel	4.6 mm	7.5	300	32.57	26.72	25.05	23.38
630-HCMS-2973	HCMS-2973	8	Green	Serial	4.6 mm	114	264	32.57	26.72	25.05	23.38
630-HCMS-2923	HCMS-2923	16	Green	Serial	3.7 mm	114	528	64.12	53.43	50.94	47.20

AVAGO LED DISPLAYS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Character Count	Color	Character Height	Pin Configuration	Intensity (μcd)(Typ.)	Supply Voltage	Price Each			
								1	10	50	100
630-HDSP-7511	HDSP-7511	1	Red	7.6 mm	Common Anode	270	1.6	3.65	2.52	2.27	2.02
630-HDSP-7513	HDSP-7513	1	Red	7.6 mm	Common Cathode	270	1.6	3.65	2.52	2.27	2.02
630-HDSP-A101	HDSP-A101	1	Red	7.6 mm	Common Anode	600	1.6	3.83	2.64	2.38	2.11
630-HDSP-A103	HDSP-A103	1	Red	7.6 mm	Common Cathode	600	1.6	3.83	2.64	2.38	2.11
630-5082-7610	5082-7610	1	Red	7.6 mm	Common Anode	800	2.1	3.54	2.44	2.20	1.95
630-5082-7611	5082-7611	1	Red	7.6 mm	Common Anode	800	2.1	3.54	2.44	2.20	1.95
630-5082-7613	5082-7613	1	Red	7.6 mm	Common Cathode	800	2.1	3.54	2.44	2.20	1.95
630-5082-7616	5082-7616	1	Red	7.6 mm	Overflow	800	2.1	3.54	2.44	2.20	1.95
630-HDSP-7501	HDSP-7501	1	Red	7.6 mm	Common Anode	980	2	3.19	2.20	1.98	1.76
630-HDSP-7501-CD000	HDSP-7501-CD000	1	Red	7.6 mm	Common Anode	980	2	3.57	2.46	2.21	1.97
630-HDSP-7503	HDSP-7503	1	Red	7.6 mm	Common Cathode	980	2	3.19	2.20	1.98	1.76
630-HDSP-7503-CD000	HDSP-7503-CD000	1	Red	7.6 mm	Common Cathode	980	2	3.57	2.46	2.21	1.97
630-HDSP-A903	HDSP-A903	1	Green	7.6 mm	Common Cathode	475	1.9	3.65	2.52	2.27	2.02
630-HDSP-3601	HDSP-3601	1	Green	7.6 mm	Common Anode	2700	2.1	3.54	2.44	2.20	1.95
630-HDSP-3603	HDSP-3603	1	Green	7.6 mm	Common Cathode	2700	2.1	3.54	2.44	2.20	1.95
630-HDSP-7801	HDSP-7801	1	Green	7.6 mm	Common Anode	3000	2.1	3.19	2.20	1.98	1.76
630-HDSP-7803	HDSP-7803	1	Green	7.6 mm	Common Cathode	3000	2.1	3.19	2.20	1.98	1.76
630-HDSP-F101	HDSP-F101	1	Red	10 mm	Common Anode	650	1.6	3.83	2.64	2.38	2.11
630-HDSP-F103	HDSP-F103	1	Red	10 mm	Common Cathode	650	1.6	3.83	2.64	2.38	2.11
630-HDSP-F201	HDSP-F201	1	Red	10 mm	Common Anode	1200	2	3.19	2.20	1.98	1.76
630-HDSP-F203	HDSP-F203	1	Red	10 mm	Common Cathode	1200	2	3.19	2.20	1.98	1.76
630-HDSP-F501	HDSP-F501	1	Green	10 mm	Common Anode	3500	2.1	3.19	2.20	1.98	1.76
630-HDSP-F503	HDSP-F503	1	Green	10 mm	Common Cathode	3500	2.1	3.19	2.20	1.98	1.76
630-HDSP-E101	HDSP-E101	1	Red	10.9 mm	Common Anode	650	1.6	4.23	2.92	2.63	2.34
630-HDSP-E103	HDSP-E103	1	Red	10.9 mm	Common Cathode	650	1.6	4.23	2.92	2.63	2.34
630-5082-7650	5082-7650	1	Red	10.9 mm	Common Anode	1115	2.1	3.54	2.44	2.20	1.95
630-5082-7651	5082-7651	1	Red	10.9 mm	Common Anode	1115	2.1	3.54	2.44	2.20	1.95
630-5082-7653	5082-7653	1	Red	10.9 mm	Common Cathode	1115	2.1	3.54	2.44	2.20	1.95
630-5082-7656	5082-7656	1	Red	10.9 mm	Overflow	1115	2.1	3.54	2.44	2.20	1.95
630-HDSP-4601	HDSP-4601	1	Green	10.9 mm	Common Anode	4000	2.1	3.54	2.44	2.20	1.95
630-HDSP-4603	HDSP-4603	1	Green	10.9 mm	Common Cathode	4000	2.1	3.54	2.44	2.20	1.95
630-HDSP-4603-IJ000	HDSP-4603-IJ000	1	Green	10.9 mm	Common Cathode	4000	2.1	3.92	2.70	2.43	2.16
630-HDSP-5701	HDSP-5701	1	Yellow	14.2 mm	Common Anode	1800	2.1	2.90	2.00	1.80	1.60
630-HDSP-H151	HDSP-H151	1	Red	14.2 mm	Common Anode	16	1.8	3.63	2.50	2.25	2.00
630-HDSP-H153	HDSP-H153	1	Red	14.2 mm	Common Cathode	16	1.8	3.63	2.50	2.25	2.00
630-HDSP-5551	HDSP-5551	1	Red	14.2 mm	Common Anode	370	2	3.34	2.30	2.07	1.84
630-HDSP-5553	HDSP-5553	1	Red	14.2 mm	Common Cathode	370	2	3.34	2.30	2.07	1.84
630-HDSP-H101	HDSP-H101	1	Red	14.2 mm	Common Anode	700	1.6	3.48	2.40	2.16	1.92
630-HDSP-H103	HDSP-H103	1	Red	14.2 mm	Common Cathode	700	1.6	3.48	2.40	2.16	1.92
630-HDSP-5501	HDSP-5501	1	Red	14.2 mm	Common Anode	2800	2.1	2.90	2.00	1.80	1.60
630-HDSP-5501-GH000	HDSP-5501-GH000	1	Red	14.2 mm	Common Anode	2800	2.1	3.28	2.26	2.03	1.81
630-HDSP-5521	HDSP-5521	1	Red	14.2 mm	Common Anode	2800	2.1	4.20	2.93	2.70	2.40
630-HDSP-5523	HDSP-5523	1	Red	14.2 mm	Common Cathode	2800	2.1	4.20	2.93	2.70	2.40
630-HDSP-5503	HDSP-5503	1	Red	14.2 mm	Common Cathode	2801	2.1	2.90	2.00	1.80	1.60
630-HDSP-5621	HDSP-5621	1	Green	14.2 mm	Common Anode	2500	2.1	4.20	2.93	2.70	2.40
630-HDSP-5623	HDSP-5623	1	Green	14.2 mm	Common Cathode	2500	2.1	4.20	2.93	2.70	2.40
630-HDSP-5601	HDSP-5601	1	Green	14.2 mm	Common Anode	2800	2.1	2.90	2.00	1.80	1.60
630-HDSP-5603	HDSP-5603	1	Green	14.2 mm	Common Cathode	2800	2.1	2.90	2.00	1.80	1.60
630-HDSP-3901	HDSP-3901	1	Red	20 mm	Common Anode	7000	2.6	4.87	3.39	3.13	2.78
630-HDSP-3903	HDSP-3903	1	Red	20 mm	Common Cathode	7000	2.6	4.87	3.39	3.13	2.78
630-HDSP-8601	HDSP-8601	1	Green	20 mm	Common Anode	15000	2.1	4.87	3.39	3.13	2.78
630-HDSP-8603	HDSP-8603	1	Green	20 mm	Common Cathode	15000	2.1	4.87	3.39	3.13	2.78
630-HDSP-521E	HDSP-521E	2	Red	14.2 mm	Common Anode	2800	2.1	1.28	.88	.79	.77
630-HDSP-523E	HDSP-523E	2	Red	14.2 mm	Common Cathode	2800	2.1	1.28	.88	.79	.77
630-HDSP-521G	HDSP-521G	2	Green	14.2 mm	Common Anode	2500	2.1	1.28	.88	.79	.77
630-HDSP-523G	HDSP-523G	2	Green	14.2 mm	Common Cathode	2500	2.1	1.28	.88	.79	.77

KINGBRIGHT LED Displays

RoHS Compliant This page of product is compliant.

Kingbright BLUE NUMERIC DISPLAYS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
604	SA39-11PBWA/A	A	Anode	Blue	463	3000	7800	2.76	2.21	1.88	1.77
604	SC39-11PBWA/A	A	Cathode	Blue	463	3000	7800	2.76	2.21	1.88	1.77
604	SA56-51PBWA/A	B	Anode	Blue	463	1900	8500	2.93	2.34	1.99	1.87
604	SC56-51PBWA/A	B	Cathode	Blue	463	1900	8500	2.93	2.34	1.99	1.87
604	SA03-11PBWA/A	C	Anode	Blue	463	1200	11000	2.76	2.21	1.88	1.77
604	SC03-11PBWA/A	C	Cathode	Blue	463	1200	11000	2.76	2.21	1.88	1.77
604	DA56-51PBWA/A	D	Anode	Blue	463	1900	8500	5.60	4.48	3.81	3.58
604	DC56-51PWA/A	D	Cathode	Blue	463	1900	8500	5.60	4.48	3.81	3.58
604	DA03-11PBWA/A	E	Anode	Blue	463	480	2030	4.88	3.90	3.32	3.12
604	DC03-11PBWA/A	E	Cathode	Blue	463	480	2030	4.88	3.90	3.32	3.12
604	DA04-11PBWA/A	F	Anode	Blue	463	1900	14000	5.25	4.20	3.57	3.36
604	DC04-11PBWA/A	F	Cathode	Blue	463	2900	14000	5.25	4.20	3.57	3.36

Kingbright NUMERIC DISPLAYS

- Forward current: 10mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
7mm											
604	SC03-12YWA	C	Cathode	Yellow	588	1200	3000	.99	.89	.79	.69
604	SA03-11EWA	C	Anode	Red	625	1900	6400	.99	.89	.79	.69
604	SC03-12EWA	C	Cathode	Red	625	1900	6400	.99	.89	.79	.69
14.2mm											
604	SA56-11YWA	G	Anode	Yellow	588	1900	4700	1.05	.99	.85	.70
604	SA56-21YWA	G	Anode	Yellow	588	1900	4700	1.05	.99	.85	.70
604	SA56-11SRWA	G	Anode	Red	640	8000	24000	1.05	.99	.85	1.26
604	SC56-11EWA	G	Cathode	Red	625	1900	6400	1.05	.99	.85	.71
604	SC56-21GWA	G	Cathode	Green	568	3000	10500	1.05	.99	.85	.76
10mm											
604	DA04-11YWA	F	Anode	Yellow	588	1200	3000	1.56	1.43	1.24	1.04
604	DC04-11EWA	F	Cathode	Red	625	1900	4700	1.56	1.43	1.24	1.04
604	DA04-11EWA	F	Anode	Red	625	1900	4700	1.56	1.43	1.24	1.04
14.22mm											
604	DC56-11YWA	H	Cathode	Yellow	588	1900	4700	1.76	1.61	1.40	1.17
604	DC56-11EWA	H	Cathode	Red	625	1900	8000	1.76	1.61	1.40	.98
604	BA56-11YWA	I	Anode	Yellow	588	1900	4700	2.73	2.50	2.18	1.82
604	BA56-12YWA	I	Anode	Yellow	588	1900	4700	2.73	2.50	2.18	1.82
604	BA56-12SRWA	I	Anode	Red	640	8000	24000	2.73	2.50	2.18	3.02
604	BC56-11EWA	I	Cathode	Red	625	1900	6400	2.73	2.50	2.18	1.86
604	BC5612GWA	I	Cathode	Green	568	3000	10500	2.73	2.50	2.18	2.10

Kingbright ALPHANUMERIC LED DISPLAYS

- Forward current: 10mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
13.8mm											
604	PDA54-11YWA	J	Anode	Yellow	588	1200	3000	3.32	3.04	2.70	2.21
604	PDA54-11SRWA	J	Anode	Red	660	8000	18000	3.71	3.40	2.96	2.47
604	PDA54-12EWA	J	Anode	Red	625	1900	4700	3.32	3.04	2.70	2.21
604	PDA54-12GWA	J	Anode	Green	568	3000	8000	3.32	3.04	2.70	2.21
604	PDA54-12SRWA	J	Anode	Red	6400	8000	18000	3.71	3.40	3.00	2.47

Kingbright DOT MATRIX LED DISPLAY

- Forward current: 10mA

For quantities of 2000 and up, call for quote.

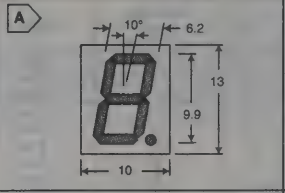
MOUSER STOCK NO.		Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
18mm											
604	TA07-11YWA	K	Anode	Yellow	588	1900	4700	3.51	3.22	2.81	2.34
30mm											
604	TA12-11EWA	L	Anode	Red	625	3000	8000	4.10	3.75	3.28	2.73
604	TA12-11GWA	L	Anode	Green	568	3000	10500	4.10	3.75	3.28	2.73
604	TA12-11SRWA	L	Anode	Red	640	8000	24000	4.49	4.11	3.59	2.99
50mm											
604	TA20-11SRWA	M	Anode	Red	640	12000	26000	6.24	5.72	4.99	4.54

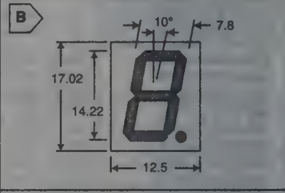
Kingbright BAR GRAPH ARRAY

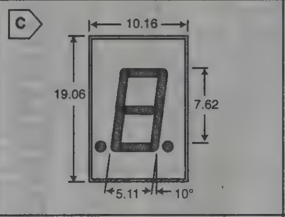
- Forward current: 10mA

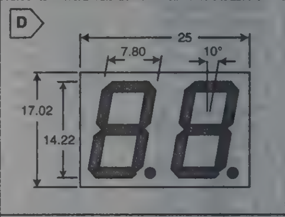
MOUSER STOCK NO.		Fig.	No of Segments	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
Mfr.	Mfr. Part No.					Min.	Typ.	1	100	500	1000
604	DC10EWA	N	10	Red	625	2200	9000	1.56	1.43	1.25	1.16
604	DC10GWA	N	10	Green	568	3600	14000	1.56	1.43	1.25	1.29
604	DC10YWA	N	10	Yellow	588	2200	9000	1.56	1.43	1.25	1.04
604	DC10SRWA	N	10	Red	640	9000	31000	1.83	1.68	1.47	1.22
604	DD12HWB	O	12	Red	660	900	1400	2.34	2.15	1.87	1.56
604	DD12GWB	O	12	Green	568	2200	5600	2.34	2.15	1.87	1.56
604	DC20/20EWA	P	20	Red	625	2200	9000	3.71	3.40	2.99	3.02
604	DC20/20GWA	P	20	Green	568	3600	9000	3.71	3.40	2.99	2.47
604	DC20/20YWA	P	20	Yellow	588	3600	9000	3.71	3.40	2.99	2.47
604	DC20/20SRWA	P	20	Red	640	9000	31000	4.29	3.93	3.45	2.86

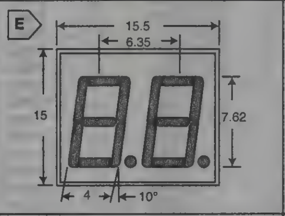
DIMENSIONS: mm

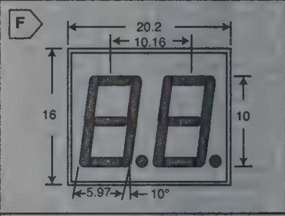
A


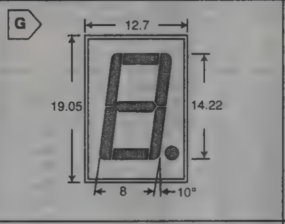
B


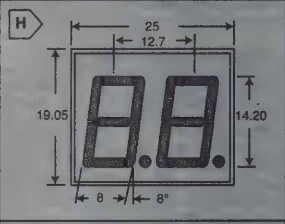
C


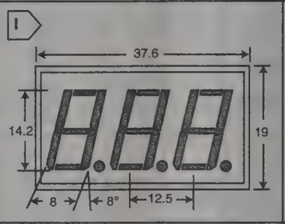
D


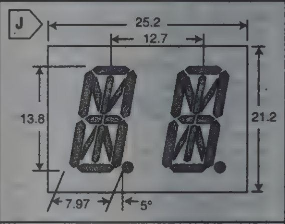
E


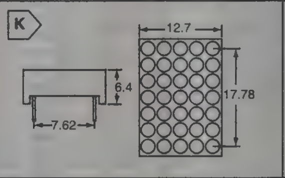
F


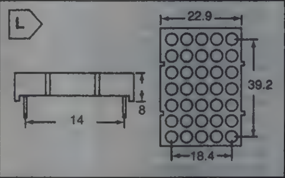
G


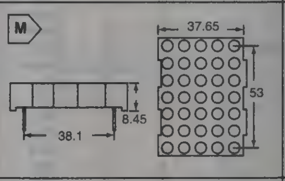
H


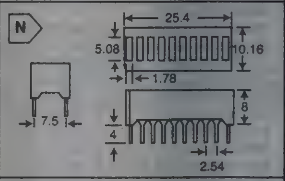
I


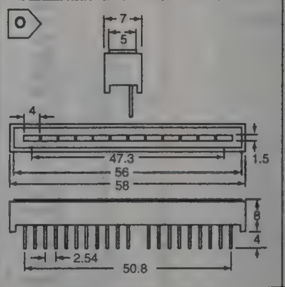
J


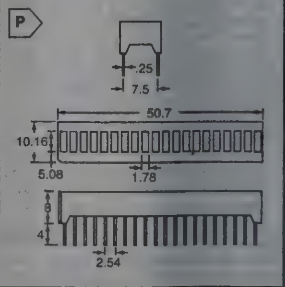
K


L


M


N


O


P


KINGBRIGHT Surface Mount LED Displays

RoHS Compliant **This page of product is compliant.**

NUMERIC DISPLAYS

RoHS Compliant

.2" Numeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
						Min.	Typ.	1	100	500	1000
Single Digit											
604-ACSA02-41EWA	ACSA02-41EWA-F01	A	Anode	Red	625	1900	5800	1.07	.86	.75	.62
604-ACSA02-41SGWA	ACSA02-41SGWA-F01	A	Anode	Green	568	3000	10000	1.07	.86	.75	.62
604-ACSA02-41YWA	ACSA02-41YWA-F01	A	Anode	Yellow	588	800	1900	1.07	.86	.75	.62
604-ACSA02-41PBWA	ACSA02-41PBWA/A-F01	A	Anode	Blue	466	1200	3700	3.12	2.65	2.34	2.03
Dual Digit											
604-ACDA02-41EWA	ACDA02-41EWA-F01	B	Anode	Red	625	1900	5800	2.44	1.95	1.71	1.41
604-ACDA02-41SGWA	ACDA02-41SGWA-F01	B	Anode	Green	568	3000	10000	2.44	1.95	1.71	1.41
604-ACDA02-41YWA	ACDA02-41YWA-F01	B	Anode	Yellow	588	800	1900	2.44	1.95	1.71	1.41
604-ACDA02-41PBWA	ACDA02-41PBWA/A-F01	B	Anode	Blue	466	1200	3700	6.72	5.71	5.04	4.37

RoHS Compliant

.3" Numeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
						Min.	Typ.	1	100	500	1000
Single Digit											
604-ACSA03-41EWA	ACSA03-41EWA-F01	C	Anode	Red	625	1900	4210	1.20	.96	.84	.70
604-ACSA03-41SGWA	ACSA03-41SGWA-F01	C	Anode	Green	568	1900	5600	1.20	.96	.84	.70
604-ACSA03-41YWA	ACSA03-41YWA-F01	C	Anode	Yellow	588	800	2290	1.20	.96	.84	.70
604-ACSA03-41PBWA	ACSA03-41PBWA/A-F01	C	Anode	Blue	466	1900	5000	3.15	2.69	2.40	2.07
Dual Digit											
604-ACDA03-41EWA	ACDA03-41EWA-F01	D	Anode	Red	625	1900	4210	2.44	1.95	1.71	1.41
604-ACDA03-41SGWA	ACDA03-41SGWA-F01	D	Anode	Green	568	1900	5600	2.44	1.95	1.71	1.41
604-ACDA03-41YWA	ACDA03-41YWA-F01	D	Anode	Yellow	588	800	2290	2.44	1.95	1.71	1.41
604-ACDA03-41PBWA	ACDA03-41PBWA/A-F01	D	Anode	Blue	466	1900	5000	6.72	5.71	5.04	4.37

RoHS Compliant

.4" Numeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
						Min.	Typ.	1	100	500	1000
Single Digit											
604-ACSA04-41EWA	ACSA04-41EWA-F01	E	Anode	Red	625	1900	5000	1.20	.96	.84	.70
604-ACSA04-41SGWA	ACSA04-41SGWA-F01	E	Anode	Green	568	3000	7000	1.20	.96	.84	.70
604-ACSA04-41YWA	ACSA04-41YWA-F01	E	Anode	Yellow	588	800	2500	1.20	.96	.84	.70
604-ACSA04-41PBWA	ACSA04-41PBWA/A-F01	E	Anode	Blue	466	1200	3600	3.15	2.69	2.40	2.07
Dual Digit											
604-ACDA04-41EWA	ACDA04-41EWA-F01	F	Anode	Red	625	1900	5000	2.44	1.95	1.71	1.41
604-ACDA04-41SGWA	ACDA04-41SGWA-F01	F	Anode	Green	568	3000	7000	2.44	1.95	1.71	1.41
604-ACDA04-41YWA	ACDA04-41YWA-F01	F	Anode	Yellow	588	800	2500	2.44	1.95	1.71	1.41
604-ACDA04-41PBWA	ACDA04-41PBWA/A-F01	F	Anode	Blue	466	1200	3600	6.72	5.71	5.04	4.37

.4" Alphanumeric

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
						Min.	Typ.	1	100	500	1000
Single Digit											
604-APPSA04-41EWA	APPSA04-41EWA	G	Anode	Red	625	1200	3200	1.79	1.43	1.25	1.04
604-APPSA04-41SGWA	APPSA04-41SGWA	G	Anode	Green	568	3000	7500	1.72	1.38	1.21	1.00
604-APPSA04-41YWA	APPSA04-41YWA	G	Anode	Yellow	588	1200	3400	1.85	1.48	1.30	1.07
Dual Digit											
604-APPDA04-41EWA	APPDA04-41EWA	H	Anode	Red	625	1200	3200	3.74	2.99	2.62	2.17
604-APPDA04-41SGWA	APPDA04-41SGWA	H	Anode	Green	568	3000	7500	3.58	2.86	2.50	2.07
604-APPDA04-41YWA	APPDA04-41YWA	H	Anode	Yellow	588	1200	3400	3.74	2.99	2.62	2.17
604-APPDA04-41MBWA	APPDA04-41MBWA	H	Anode	Blue	466	1200	3800	18.20	15.47	13.65	11.83

RoHS Compliant

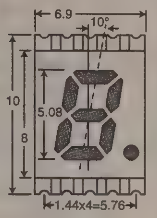
.56" Numeric

For quantities of 2000 and up, call for quote.

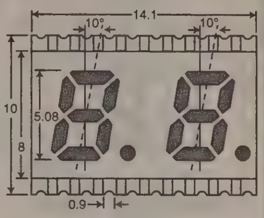
MOUSER STOCK NO.	Kingbright Part No.	Fig.	Common Pin	Emitting Color	Peak Wavelength (nm)	Luminous Intensity (ucd)		Price Each			
						Min.	Typ.	1	100	500	1000
Single Digit											
604-ACSA56-41EWA	ACSA56-41EWA-F01	I	Anode	Red	625	3000	7400	1.20	.96	.84	.70
604-ACSA56-41SGWA	ACSA56-41SGWA-F01	I	Anode	Green	568	4700	13200	1.39	1.12	.98	.81
604-ACSA56-41YWA	ACSA56-41YWA-F01	I	Anode	Yellow	588	1900	5000	1.20	.96	.84	.70
604-ACSA56-41PBWA	ACSA56-41PBWA/A-F01	I	Anode	Blue	466	1900	5200	6.01	4.81	4.21	3.49
Dual Digit											
604-ACDA56-41EWA	ACDA56-41EWA-F01	J	Anode	Red	625	3000	7400	2.67	2.13	1.87	1.55
604-ACDA56-41SGWA	ACDA56-41SGWA-F01	J	Anode	Green	568	4700	13200	2.67	2.13	1.87	1.55
604-ACDA56-41YWA	ACDA56-41YWA-F01	J	Anode	Yellow	588	1900	5000	2.67	2.13	1.87	1.55
604-ACDA56-41PBWA	ACDA56-41PBWA/A-F01	J	Anode	Blue	466	1900	5200	9.45	7.56	6.62	5.48

DIMENSIONS: mm

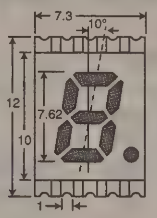
A



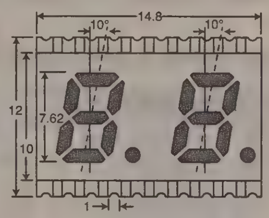
B



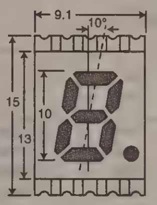
C



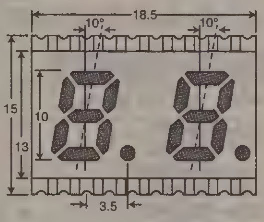
D



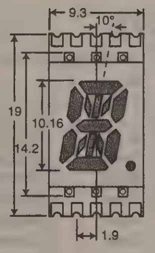
E



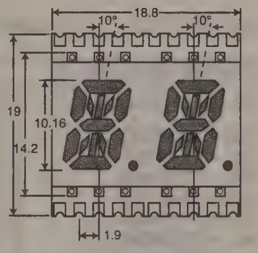
F



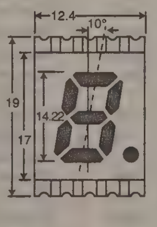
G



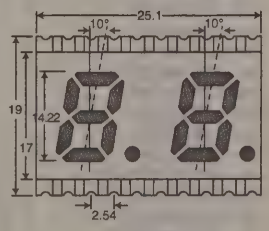
H



I



J

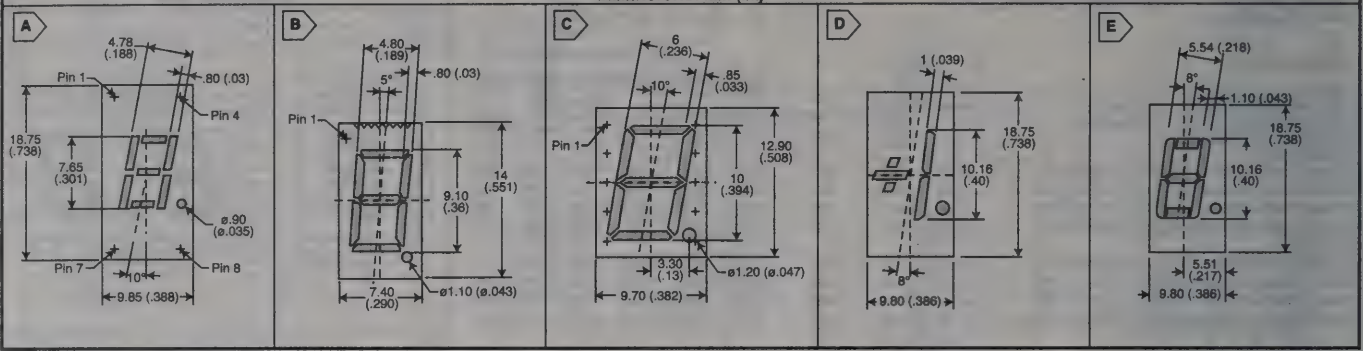


LITE-ON LED Displays

LITEON®

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm (in.)



Providing high contrast, high brightness and wide viewing angle, Lite-On LED displays are available in a wide range of sizes, brightness and orientations. Displays can be stacked vertically or horizontally and are designed for numeric indication on applications requiring low current or low power consumption.

.30" SINGLE DIGIT DISPLAYS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Source Color	Description	Peak Wavelength	Forward Voltage		Luminous Intensity	Price Each		
Mfr.	Mfr. Part Number					Typical	Maximum		1	10	100
859—	LTS-313AG	A	Green	Common cathode RHD	565	2.1	2.6	2000	1.29	1.07	.97
859—	LTS-315AG	A	Green	Common cathode RHD	565	2.1	2.6	2000	1.29	1.07	.97
859—	LTS-313AHR	A	Red	Common cathode RHD	635	2.0	2.6	2000	1.29	1.07	.97
859—	LTS-315AHR	A	Red	Common cathode RHD	635	2.0	2.6	2000	1.29	1.07	.97
859—	LTS-313AY	A	Yellow	Common cathode RHD	585	2.1	2.6	2000	1.29	1.07	.97

.36" SINGLE DIGIT DISPLAYS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Source Color	Description	Peak Wavelength	Forward Voltage		Luminous Intensity	Price Each		
Mfr.	Mfr. Part Number					Typical	Maximum		1	10	100
859—	LTS-360G	B	Green	Common anode RHD	800	2.1	2.6	2000	1.29	1.07	.97
859—	LTS-367G	B	Green	Common cathode RHD	565	2.1	2.6	2000	1.29	1.07	.97
859—	LTS-360HR	B	Red	Common anode RHD	635	2.0	2.6	2000	1.29	1.07	.97
859—	LTS-367HR	B	Red	Common cathode RHD	635	2.0	2.6	2000	1.29	1.07	.97
859—	LTS-360E	B	Orange	Common anode RHD	630	2.0	2.6	2000	1.29	1.07	.97
859—	LTS-367E	B	Orange	Common cathode RHD	630	2.0	2.6	2000	1.29	1.07	.97
859—	LTS-367P	B	Red	Common cathode RHD	697	2.1	2.6	750	1.29	1.07	.97

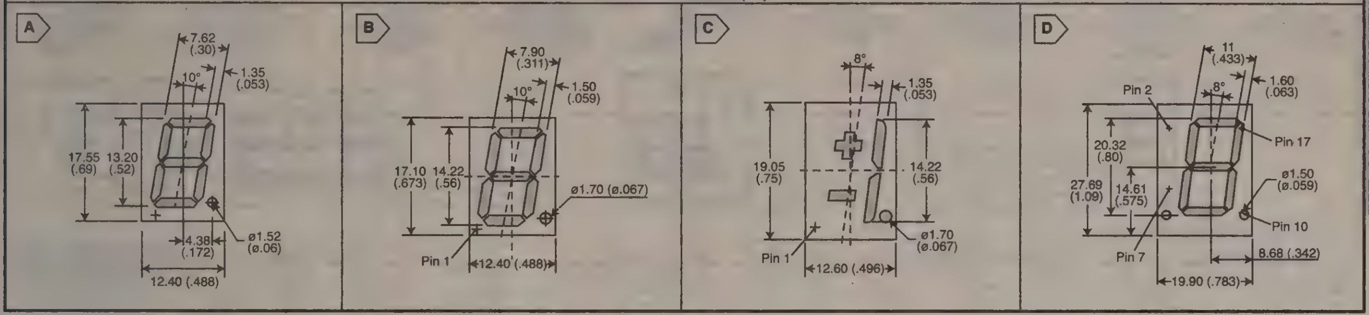
.40" SINGLE DIGIT DISPLAYS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Source Color	Description	Peak Wavelength	Forward Voltage		Luminous Intensity	Price Each		
Mfr.	Mfr. Part Number					Typical	Maximum		1	10	100
859—	LTS-4301JG	C	Green	Common cathode RHD	571	2.05	2.6	850	1.24	1.04	.93
859—	LTS-4505AG	D	Green	Universal RHD	565	2.1	2.6	2200	1.76	1.47	1.32
859—	LTS-4510AG	E	Green	Common anode RHD	565	2.1	2.6	2200	1.50	1.25	1.13
859—	LTS-4530AG	D	Green	Common anode RHD	565	2.1	2.6	2200	1.76	1.47	1.32
859—	LTS-4540AG	E	Green	Common cathode RHD	565	2.1	2.6	2200	1.50	1.25	1.13
859—	LTS-4580AG	E	Green	Common cathode RHD	565	2.1	2.6	2200	1.50	1.25	1.13
859—	LTS-4801JG	C	Green	Common anode RHD	571	2.05	2.6	870	1.24	1.04	.93
859—	LTS-4910AHR	E	Red	Common anode RHD	635	2.0	2.6	2200	1.11	.93	.84
859—	LTS-4940AHR	E	Red	Common cathode RHD	635	2.0	2.6	2200	1.11	.93	.84
859—	LTS-4980AHR	E	Red	Common cathode RHD	635	2.0	2.6	2200	1.76	1.47	1.32
859—	LTS-4301JF	C	Orange	Common cathode RHD	639	2.0	2.6	650	1.24	1.04	.93
859—	LTS-4610AE	E	Orange	Common anode RHD	630	2.0	2.6	2200	1.50	1.25	1.13
859—	LTS-4640AE	E	Orange	Common cathode RHD	630	2.0	2.6	2200	1.50	1.25	1.13
859—	LTS-4801JF	C	Orange	Common anode RHD	611	2.05	2.6	650	1.24	1.04	.93
859—	LTS-4802BJF-H1	C	Orange	Common anode RHD	611	2.05	2.6	650	1.15	.96	.86
859—	LTS-4301JR	C	Red	Common cathode RHD	639	2.0	2.6	520	1.24	1.04	.93
859—	LTS-4710AP	E	Red	Common cathode RHD	697	2.1	2.6	800	1.50	1.25	1.13
859—	LTS-4801JD	C	Red	Common anode RHD	650	2.1	2.6	650	1.24	1.04	.93
859—	LTS-4801JR	C	Red	Common anode RHD	639	2.0	2.6	520	1.24	1.04	.93
859—	LTS-4802BJR-H1	C	Red	Common anode RHD	639	2.0	2.6	650	1.15	.96	.86
859—	LTS-4301JS	C	Yellow	Common cathode RHD	588	2.05	2.6	650	1.24	1.04	.93
859—	LTS-4801JS	C	Yellow	Common anode RHD	588	2.05	2.6	867	1.24	1.04	.93
859—	LTS-4802BJS-H1	C	Yellow	Common anode RHD	588	2.05	2.6	650	1.15	.96	.86
859—	LTS-4810AY	E	Yellow	Common anode RHD	585	2.1	2.6	2200	1.20	1.00	.90

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm (in.)



Providing high contrast, high brightness and wide viewing angle, Lite-On LED displays are available in a wide range of sizes, brightness and orientations. Displays can be stacked vertically or horizontally and are designed for numeric indication on applications requiring low current or low power consumption.

.52" SINGLE DIGIT DISPLAYS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Source Color	Description	Peak Wavelength	Forward Voltage		Luminous Intensity	Price Each		
Mfr.	Mfr. Part Number					Typical	Max		1	10	100
859	LTS-546AG	A	Green	Common anode RHD	565	2.1	2.6	2200	1.54	1.29	1.16
859	LTS-546AHR	A	Red	Common anode RHD	635	2.0	2.6	2200	1.54	1.29	1.16
859	LTS-546AE	A	Orange	Common anode RHD	630	2.0	2.6	2200	1.63	1.36	1.22
859	LTS-546AY	A	Yellow	Common anode RHD	585	2.1	2.6	2200	1.63	1.36	1.22

.56" SINGLE DIGIT DISPLAYS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Source Color	Description	Peak Wavelength	Forward Voltage		Luminous Intensity	Price Each		
Mfr.	Mfr. Part Number					Typical	Max		1	10	100
859	LTS-5501AB	B	Blue	Common anode RHD	428	3.8	4.5	4300	6.27	5.22	4.70
859	LTS-5503AB	B	Blue	Common cathode RHD	428	3.8	4.5	4300	6.27	5.22	4.70
859	LTS-5601AG	B	Green	Common anode RHD	565	2.1	2.6	2400	1.50	1.25	1.13
859	LTS-5601AJG	B	Green	Common anode RHD	571	2.05	2.6	900	2.79	2.32	2.09
859	LTS-5603AG	B	Green	Common cathode RHD	565	2.1	2.6	2400	1.50	1.25	1.13
859	LTS-5603AJG	B	Green	Common cathode RHD	571	2.05	2.6	900	2.79	2.32	2.09
859	LTS-6460G	C	Green	Common anode RHD	565	2.1	2.6	2400	1.50	1.25	1.13
859	LTS-6480G	C	Green	Common cathode RHD	565	2.1	2.6	2400	1.50	1.25	1.13
859	LTS-5501AE	B	Orange	Common anode RHD	630	2.0	2.6	2400	1.50	1.25	1.13
859	LTS-5503AE	B	Orange	Common cathode RHD	630	2.0	2.6	2400	1.50	1.25	1.13
859	LTS-6660E	C	Orange	Common anode RHD	630	2.0	2.6	2400	1.50	1.25	1.13
859	LTS-6680E	C	Orange	Common cathode RHD	630	2.0	2.6	2400	1.50	1.25	1.13
859	LTS-5001AJD	B	Red	Common cathode RHD	650	2.1	2.6	700	1.50	1.25	1.13
859	LTS-5001AWC	B	Red	Common anode RHD	660	1.6	2.4	700	1.50	1.25	1.13
859	LTS-5003AJD	B	Red	Common cathode RHD	656	2.1	2.6	700	1.50	1.25	1.13
859	LTS-5003AWC	B	Red	Common cathode RHD	660	1.6	2.4	700	1.50	1.25	1.13
859	LTS-6760JD	C	Red	Common anode RHD	650	2.1	2.6	700	2.79	2.32	2.09
859	LTS-6760P	C	Red	Common anode RHD	697	2.1	2.6	950	1.50	1.25	1.13
859	LTS-6775JD	C	Red	Common cathode RHD	650	2.1	2.6	700	2.79	2.32	2.09
859	LTS-6775P	C	Red	Common cathode RHD	697	2.1	2.6	950	1.50	1.25	1.13
859	LTS-6780JD	C	Red	Common cathode RHD	650	2.1	2.6	700	2.79	2.32	2.09
859	LTS-6795JD	C	Red	Common cathode RHD	650	2.1	2.6	700	2.79	2.32	2.09
859	LTS-6795P	C	Red	Common cathodeORD	697	2.1	2.6	950	1.50	1.25	1.13
859	LTS-6960HR	C	Red	Common anode RHD	635	2.0	2.6	2400	1.50	1.25	1.13
859	LTS-6980HR	C	Red	Common cathode RHD	635	2.0	2.6	2400	1.50	1.25	1.13
859	LTS-6995HR	C	Red	Common cathode RHD	635	2.0	2.6	2400	1.50	1.25	1.13
859	LTS-5701AJS	B	Yellow	Common anode RHD	588	2.05	2.6	700	2.79	2.32	2.09
859	LTS-5701AY	B	Yellow	Common anode RHD	585	2.1	2.6	2400	1.50	1.25	1.13
859	LTS-5703AJS	B	Yellow	Common cathode RHD	588	2.05	2.6	700	2.79	2.32	2.09
859	LTS-5703AY	B	Yellow	Common cathode RHD	585	2.1	2.6	2400	1.50	1.25	1.13
859	LTS-6860Y	C	Yellow	Common anode RHD	585	2.1	2.6	2400	1.50	1.25	1.13
859	LTS-6875Y	C	Yellow	Common cathode RHD	585	2.1	2.6	2400	1.50	1.25	1.13
859	LTS-6895Y	C	Yellow	Common cathode RHD	585	2.1	2.6	2400	1.50	1.25	1.13

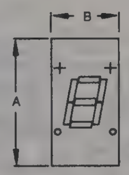
.80" SINGLE DIGIT DISPLAYS

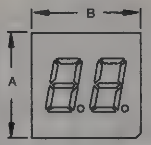
For quantities of 250 and up, call for quote.

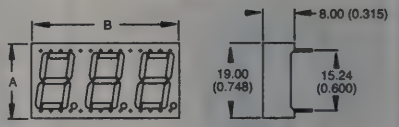
MOUSER STOCK NO.		Fig.	Source Color	Description	Peak Wavelength	Forward Voltage		Luminous Intensity	Price Each		
Mfr.	Mfr. Part Number					Typical	Max		1	10	100
859	LTS-3401LG	D	Green	Common anode RLD	565	2.1	2.6	2400	2.14	1.79	1.61
859	LTS-3403LG	D	Green	Common cathode RLD	555	2.1	2.6	2400	2.14	1.79	1.61
859	LTS-3403LE	D	Orange	Common cathode RLD	630	2.0	2.6	2400	2.14	1.79	1.61
859	LTS-3401LP	D	Red	Common anode RLD	697	2.1	2.6	950	2.79	2.32	2.09
859	LTS-3401LY	D	Yellow	Common anode RLD	585	2.1	2.6	2400	2.79	2.32	2.09

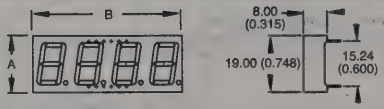
RoHS Compliant This page of product is compliant.

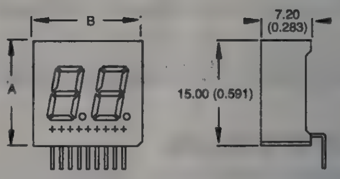
DIMENSIONS: mm (in.)

A


B


C


D


E


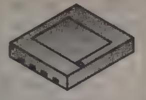
LUMEX LED NUMERIC DISPLAYS

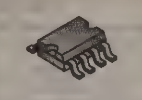
For quantities of 2000 and up, call for quote.

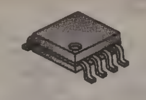
MOUSER STOCK NO.	Lumex Part No.	Fig.	Color	Digit Size		Dimensions AxB		Vf (V)	If (mA) Max.	IO ucd	Price Each			
				In.	mm	In.	mm				1	100	500	1000
RHD LHD Numeric														
696-LDS-C304RI	LDS-C304RI	A	Red/Orange	0.3	7.62	0.75 x 0.4	19.05 x 10.16	2	10	5600	**1.49**	**1.26**	**1.15**	**.92**
696-LDS-C302RI	LDS-C302RI	A	Green	0.3	7.62	0.75 x 0.4	19.05 x 10.16	2.2	10	3500	**1.33**	**1.12**	**1.02**	**.82**
696-LDS-C306RI	LDS-C306RI	A	Super-Red	0.3	7.62	0.75 x 0.4	19.05 x 10.16	1.8	10	9800	**1.95**	**1.65**	**1.50**	**1.20**
696-LDS-C324RI	LDS-C324RI	A	Red/Orange	0.36	9.14	0.55 x 0.3	13.97 x 7.49	2	10	2250	**1.69**	**1.43**	**1.30**	**1.04**
696-LDS-C322RI	LDS-C322RI	A	Green	0.36	9.14	0.55 x 0.3	13.97 x 7.49	2.2	10	2250	**1.59**	**1.34**	**1.22**	**.98**
696-LDS-C504RI	LDS-C504RI	A	Red/Orange	0.5	12.7	0.75 x 0.5	19.00 x 12.70	2	10	3900	**1.78**	**1.51**	**1.37**	**1.10**
696-LDS-C502RI	LDS-C502RI	A	Green	0.5	12.7	0.75 x 0.5	19.00 x 12.70	2.2	10	3900	**1.33**	**1.12**	**1.02**	**.82**
Single Digit Numeric Displays														
696-LDS-C414RI	LDS-C414RI	A	Red/Orange	0.43	10.92	0.74 x 0.5	18.90 x 12.60	2	10	3900	**1.62**	**1.37**	**1.25**	**1.00**
696-LDS-C412RI	LDS-C412RI	A	Green	0.43	10.92	0.74 x 0.5	18.90 x 12.60	2.2	10	2500	**1.33**	**1.12**	**1.02**	**.82**
696-LDS-C413RI	LDS-C413RI	A	Yellow	0.43	10.92	0.74 x 0.5	18.90 x 12.60	2.1	10	2500	**1.49**	**1.26**	**1.15**	**.92**
696-LDS-C416RI	LDS-C416RI	A	Super-Red	0.43	10.92	0.74 x 0.5	18.90 x 12.60	1.8	10	12300	**2.37**	**2.00**	**1.82**	**1.46**
696-LDS-C514RI	LDS-C514RI	A	Red/Orange	0.56	14.22	0.75 x 0.48	19.05 x 12.19	2	10	3900	**1.62**	**1.37**	**1.25**	**1.00**
696-LDS-C512RI	LDS-C512RI	A	Green	0.56	14.22	0.75 x 0.48	19.05 x 12.19	2.2	10	3900	**1.52**	**1.29**	**1.17**	**.94**
696-LDS-C513RI	LDS-C513RI	A	Yellow	0.56	14.22	0.75 x 0.48	19.05 x 12.19	2.1	10	3900	**1.33**	**1.12**	**1.02**	**.82**
696-LDS-C516RI	LDS-C516RI	A	Super-Red	0.56	14.22	0.75 x 0.48	19.05 x 12.19	1.8	10	13300	**2.73**	**2.31**	**2.10**	**1.68**
696-LDS-C814RI	LDS-C814RI	A	Red/Orange	0.8	20.32	1.09 x 0.788	27.71 x 20.02	2	10	5600	**2.11**	**1.78**	**1.62**	**1.30**
696-LDS-C812RI	LDS-C812RI	A	Green	0.8	20.32	1.09 x 0.788	27.71 x 20.02	2.2	10	2500	**2.60**	**2.20**	**2.00**	**1.60**
696-LDS-C816RI	LDS-C816RI	A	Super-Red	0.8	20.32	1.09 x 0.788	27.71 x 20.02	1.8	10	15000	**2.53**	**2.14**	**1.95**	**1.56**
696-LDS-CA14RI	LDS-CA14RI	A	Red/Orange	1	25.4	1.34 x 0.95	34.04 x 24.00	4	10	9800	**3.64**	**3.08**	**2.80**	**2.24**
696-LDS-CA12RI	LDS-CA12RI	A	Green	1	25.4	1.34 x 0.95	34.04 x 24.00	4.4	10	6300	**3.64**	**3.08**	**2.80**	**2.24**
696-LDS-CD14RI	LDS-CD14RI	A	Red/Orange	2.25	57.15	2.76 x 1.89	70.10 x 48.01	8	10	9000	**8.90**	**7.53**	**6.85**	**5.48**
696-LDS-CD12RI	LDS-CD12RI	A	Green	2.25	57.15	2.76 x 1.89	70.10 x 48.01	8.4	10	6300	**9.00**	**7.61**	**6.92**	**5.54**
Dual RHD														
696-LDD-F304NI	LDD-F304NI	B	Red/Orange	0.3	7.62	0.6 x 0.61	15.24 x 15.49	2	10	3900	**2.43**	**2.06**	**1.87**	**1.50**
696-LDD-F302NI	LDD-F302NI	B	Green	0.3	7.62	0.6 x 0.61	15.24 x 15.49	2.2	10	3900	**2.53**	**2.14**	**1.95**	**1.56**
Dual Numeric Displays														
696-LDD-C404NI	LDD-C404NI	B	Red/Orange	0.4	10.16	0.63 x 0.8	16.00 x 20.22	2	10	3900	**2.63**	**2.22**	**2.02**	**1.62**
696-LDD-C402NI	LDD-C402NI	B	Green	0.4	10.16	0.63 x 0.8	16.00 x 20.22	2.2	10	3900	**2.37**	**2.00**	**1.82**	**1.46**
696-LDD-C403NI	LDD-C403NI	B	Yellow	0.4	10.16	0.63 x 0.8	16.00 x 20.22	2.1	10	3900	**2.43**	**2.06**	**1.87**	**1.50**
696-LDD-C406NI	LDD-C406NI	B	Super-Red	0.4	10.16	0.63 x 0.8	16.00 x 20.22	1.8	10	6300	**4.35**	**3.68**	**3.35**	**2.68**
696-LDD-C514RI	LDD-C514RI	B	Red/Orange	0.56	14.22	0.75 x 0.98	19.05 x 24.89	2	10	3900	**2.43**	**2.06**	**1.87**	**1.50**
696-LDD-C512RI	LDD-C512RI	B	Green	0.56	14.22	0.75 x 0.98	19.05 x 24.89	2.2	10	3900	**1.98**	**1.67**	**1.52**	**1.22**
696-LDD-C513RI	LDD-C513RI	B	Yellow	0.56	14.22	0.75 x 0.98	19.05 x 24.89	2.1	10	3900	**2.43**	**2.06**	**1.87**	**1.50**
696-LDD-C516RI	LDD-C516RI	B	Super-Red	0.56	14.22	0.75 x 0.98	19.05 x 24.89	1.8	10	13300	**3.77**	**3.19**	**2.90**	**2.32**
696-LDD-C814RI	LDD-C814RI	B	Red/Orange	0.8	20.32	1.01 x 1.41	25.65 x 35.81	2	10	5600	**3.44**	**2.91**	**2.65**	**2.12**
696-LDD-C812RI	LDD-C812RI	B	Green	0.8	20.32	1.01 x 1.41	25.65 x 35.81	2.2	10	2500	**3.44**	**2.91**	**2.65**	**2.12**
696-LDD-C813RI	LDD-C813RI	B	Yellow	0.8	20.32	1.01 x 1.41	25.65 x 35.81	2.1	10	2500	**3.44**	**2.91**	**2.65**	**2.12**
Three Digit														
696-LDT-C512RI	LDT-C512RI	C	Green	0.56	14.22	0.75 x 1.48	19.05 x 37.59	2.2	10	3500	**4.03**	**3.41**	**3.10**	**2.48**
696-LDT-C514RI	LDT-C514RI	C	Red/Orange	0.56	14.22	0.75 x 1.48	19.05 x 37.59	2.1	10	5600	**4.77**	**4.04**	**3.67**	**2.94**
Quad Numeric Displays														
696-LDQ-N514RI	LDQ-N514RI	D	Red/Orange	0.56	14.22	0.75 x 1.98	19.00 x 50.29	2.1	10	3900	**7.60**	**6.43**	**5.85**	**4.68**
696-LDQ-N512RI	LDQ-N512RI	D	Green	0.56	14.22	0.75 x 1.98	19.00 x 50.29	2.2	10	3900	**6.98**	**5.91**	**5.37**	**4.30**
696-LDQ-N516RI	LDQ-N516RI	D	Super-Red	0.56	14.22	0.75 x 1.98	19.00 x 50.29	1.8	10	12000	**8.74**	**7.39**	**6.72**	**5.38**
Single Right Angle Numeric														
696-LDS-N512RI-RA	LDS-N512RI-RA	A	Green	0.56	14.22	0.75 x 0.49	19.05 x 12.50	2.1	10	2250	**2.08**	**1.76**	**1.60**	**1.28**
Dual Right Angle Numeric														
696-LDD-F304NI-RA	LDD-F304NI-RA	E	Red	0.3	7.62	0.59 x 0.61	15.00 x 15.50	2	10	3900	**3.57**	**3.02**	**2.75**	**2.20**
696-LDD-F302NI-RA	LDD-F302NI-RA	E	Green	0.3	7.62	0.59 x 0.61	15.00 x 15.50	2	10	3900	**3.57**	**3.02**	**2.75**	**2.20**
696-LDD-N514RI-RA	LDD-N514RI-RA	E	Red	0.56	14.2	0.75 x 0.98	19.00 x 25.00	2	10	3900	**3.77**	**3.19**	**2.90**	**2.32**
696-LDD-N512RI-RA	LDD-N512RI-RA	E	Green	0.56	14.2	0.75 x 0.98	19.00 x 25.00	2.2	10	3900	**3.77**	**3.19**	**2.90**	**2.32**

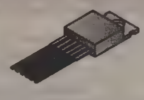
Opto Drivers

SOT-23


TDFN-8

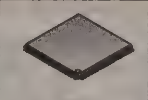

SO-8


MSOP-8


TO-220-7

PQFP-44

PLCC-44


PQFP-80

MLP/DFN-12 (Shown)

CATALYST SEMICONDUCTOR, INC. WHITE LED DRIVERS

The CAT3200 series LED Drivers are switched capacitor boost converters that deliver a low noise, regulated output voltage. The CAT3200 has an adjustable output using external resistors. The constant frequency 2MHz charge pump allows small 1µF ceramic capacitors to be used.

- Constant high frequency (2MHz) operation
- 100mA output current
- Regulated, adjustable output voltage
- Low quiescent current (1.7mA typ.)
- Input voltage operation down to 2.7V
- Soft start, slew rate control
- Thermal overload shutdown protection
- Low value external capacitors (1µF)
- Foldback current overload protection
- Shutdown current less than 1µA

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Catalyst Part No.	Package	Input Voltage V_{IN} (V)	Quiescent Current I_Q (mA)	Ground Current In Shutdown I_{GND} (uA)	Price Each			
						1	25	100	250
698-CAT32TDI-TE7	CAT32TDI-TE7	SOT-23	2-7	0.5	0.05	.80	.64	.60	.56
698-CAT32RD4	CAT32RD4	TDFN-8	2-7	0.5	0.05	1.00	.80	.75	.70

JRC NJR CORPORATION LCD CONTROLLER/DRIVER ICS-EXTENSION LCD DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NJR Part No.	Package	Description	Price Each		
				1	25	100
513—NJU#6416FC1	NJU#6416FC1	QFP-100	Dot Matrix, 80-Out Segment	4.18	3.87	3.55

Supertex EL BACKLIGHTING DRIVER INTEGRATED CIRCUITS AND DEMO BOARDS

Applications:

- Pagers - HV823, HV826, HV830, HV850
- Portable Instrumentation - HV809, HV823, HV830, HV835, HV843, HV845, HV850, HV857L
- Global Positioning Systems (GPS) units - HV823, HV830, HV833, HV857, HV860
- LCD backlighting - HV833, HV835, HV843, HV845, HV857, HV857L
- Mobile cellular phones - HV823, HV826, HV830, HV835, HV843, HV845, HV850, HV857, HV857L, HV860
- PDAs - HV809, HV823, HV830, HV833, HV857, HV860
- Wireless handheld - HV835, HV843, HV845, HV857, HV857L, HV860
- Portable Transceivers - HV826, HV833, HV850
- Remote Control Units - HV826, HV833
- Calculators - HV826, HV833
- Electronic personal organizers - HV809, HV830
- Display Signs - HV809
- Dual segment lamps - HV835, HV843, HV845
- MP3 players - HV850
- Watches - HV850

HV809 Features:
Input voltage up to 200V DC, 400V peak-to-peak output voltage, output load up to 350nF (100 in2 for 3.5nF/in2 lamp), adjustable output lamp frequency, adjustable On/Off pulsing frequency

HV823 Features:
180V peak-to-peak output voltage, large output load capability, adjustable output lamp frequency adjustable converter frequency, enable/disable function low current draw under no load condition.

HV826 Features:
1.8V to 3.5V operating supply voltage, adjustable output frequency, adjustable switch frequency, output voltage regulation, enable/disable function

HV830 Features:
2.0V to 9.5V operating supply voltage, 200V peak-to-peak typical output voltage, large output load capability, permits the use of high-resistance elastomeric lamp connectors, adjustable output lamp frequency, adjustable converter converter frequency, enable/disable function, low current draw under no load condiction, very low standby current

HV833 Features:
1.8V to 6.5V operating supply voltage, serparately adjustable lamp and converter frequency, <100nA shutdown current, output voltage regulation, enable/disable function, output timing for high efficiency

HV835 Features:
Low audible noise, indepenent input control for lamp selection, 160V peak-to-peak output voltage, split supply capability, output timing, low shutdown current, wide input voltage range, output voltage regulation, no SCR output

HV843/HV845 Features:
Low audible noise, indepenent input control for lamp selection, 180V peak-to-peak output voltage, split supply capability, output timing, low shutdown current, wide input voltage range, output voltage regulation, no SCR output

HV850 Features:
Designed to drive EL lamps of up to 2.0in2, with capacitive values up to 4.5nF, no external components needed when using an external EL clock frequency, low noise and enable function

HV857/HV857L Features:
Audible noise reduction, lamp aging compensation, wide input voltage range, 190V peak-to-peak output voltage, single cell lithium ion compatible, 150nA shutdown current, separately adjustable lamp and converter frequencies, output voltage regulation, split supply regulation

HV860 Features:
Adjustable out regulation for dimming, 220V peak-to-peak output voltage, single cell lithium ion compatible, 150nA shutdown current, seperately adjustable lamp for converter frequencies, split supply capability

Demo Boards

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Input Voltage Range		Nominal Output Volt. Vcs (V)	High Volt. Supply Curr. IIN (Typ) (mA)	Max. Switch Resistance RDS(ON) Max (Ω)	Output Reg.	Driver	Maximum Lamp Size Per Driver (in²)	Price Each			MOUSER STOCK NO.		Supply Voltage (V)	Price Each
Mfr.	Mfr. Part No.		Low (V)	High (V)							1	100	500	Mfr.	Mfr. Part No.		
◆ 689—	HV826MG-G	MSOP-8	1.8	3.5	±80	35	7 Ohm	Yes	Single	4	1.43	1.19	1.10	689—	HV826DB1	1.8V - 3.5VDC	50.00
◆ 689—	HV826LG-G	SO-8	1.8	3.5	±80	35	6 Ohm	Yes	Single	4	1.37	1.14	1.05	689—	HV826DB1	1.8V - 3.5VDC	50.00
◆ 689—	HV857MG-G	MSOP-8	1.8	5.0	±95	20	6 Ohm	Yes	Single	5	1.20	1.00	.92	689—	HV857DB1	1.8V - 5VDC	50.00
◆ 689—	HV857LK7-G	MLP/DFN-8	1.8	5.0	±95	25	6	Yes	Single	5	1.24	1.03	.95	- - -		- - -	- - -
◆ 689—	HV857LMG-G	MSOP-8	1.8	5.0	±95	25	6	Yes	Single	5	1.20	1.00	.92	- - -		- - -	- - -
◆ 689—	HV833MG-G	MSOP-8	1.8	6.5	±90	56	4 Ohm	Yes	Single	12	1.69	1.41	1.30	689—	HV833DB1	1.8V - 6.5VDC	50.00
◆ 689—	HV835K7-G	MLP/DFN-10	2.0	5.8	±80	16	10	Yes	Dual	3.5	1.46	1.22	1.12	- - -		- - -	- - -
◆ 689—	HV843K7-G	MLP/DFN-10	2.0	5.8	±90	20	10	Yes	Dual	3.5	1.46	1.22	1.12	- - -		- - -	- - -
◆ 689—	HV845K7-G	MLP/DFN-12	2.0	5.8	±90	20	10	Yes	Dual	3.5	1.52	1.26	1.17	- - -		- - -	- - -
◆ 689—	HV823LG-G	SOIC-8 (N)	2.0	9.5	±90	25	6	Yes	Single	23	2.00	1.66	1.53	689—	HV823DB1	3.0 - 3.3VDC	50.00
◆ 689—	HV830LG-G	SO-8	2.0	9.5	±100	35	4 Ohm	Yes	Single	25	2.15	1.79	1.65	689—	HV830DB1	2.0 -9.5VDC	50.00
◆ 689—	HV860K7-G	QFN-12	2.5	4.5	±110	16	6	Yes	Single	5	1.37	1.14	1.05	- - -		- - -	- - -
◆ 689—	HV850MG-G	MSOP-8	3.0	4.2	±140	- - -	N/A	Yes	Single	2	1.56	1.30	1.20	689—	HV850DB1	3.0V - 4.2VDC	50.00
◆ 689—	HV809LG-G	SO-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	2.34	1.94	1.80	689—	HV809DB2	6 VDC	90.00
◆ 689—	HV809SG-G	SO-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	2.79	2.32	2.15	- - -		- - -	- - -
689—	HV809K2	TO-220-7	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	3.59	2.99	2.76	689—	HV809DB1	120 VAC	90.00

TEXAS INSTRUMENTS TOUCH SCREEN CONTROLLER

† For use with select Touch Screen Modules without Touch Screen Controller on Board.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Package	Resolutions	Sample Rate	Supply Voltage	Inputs	Output Type	Power mW	DNI	INL	Price Each		
											1	25	100
595-ADS7843E	ADS7843E	SSOP-16	12	0.125	5	2	Serial	1.8	1	2	3.65	2.91	2.68
595-ADS7846E	ADS7846E	SSOP-16	12	.125	5.25	2	Serial, SPI	.75	2	2	4.39	3.51	2.73

ZETEX LED/LCD DRIVER SOLUTIONS/LIGHTING ICS

The inherent flexibility of the ZXSC circuit means that parallel or series LEDs can be driven depending on application needs. A simple modification to the application circuit means that the maximum pulse current can be programmed to match the characteristics of the chosen LED load, and pulse current in the range 10mA to 3A and beyond can be easily achieved.

◆ Surface Mount Device

MOUSER STOCK NO.	Zetex Part No.	Package	Input Voltage Range (V)	Output Voltage Range (1) (V)	Shutdown Current (µA)	Typical Quiescent Current µA	Efficiency V_{in}=3.0V	Price Each			
								1	25	100	250
522-ZXSC300E5TA	ZXSC300E5TA	SOT23-5	0.8-8.0	Vin to Vm	- - -	200	88 with 1 LED	.69	.60	.54	.47
522-ZXSC310E5TA	ZXSC310E5TA	SOT23-5	0.8-8.0	Vin to Vm	4	200	88 with 1 LED	.78	.68	.60	.53
522-ZXSC400E6TA	ZXSC400E6TA	SOT23-6	1.8-8.0	Vin to Vm	3	150	80 with 4 LEDs	.84	.73	.65	.57
522-ZXLB1600X10TA	ZXLB1600X10TA	MSOP-10L	1.6 - 5.5	28	5	65	75	1.52	1.32	1.17	1.03
522-ZXLD1100H6TA	ZXLD1100H6TA	SC70-6	2.5-5.5	28	0.5	60	80 with 3 LEDs	1.55	1.35	1.20	1.05
522-ZXLD1101ET5TA	ZXLD1101ET5TA	TSOT23-5	2.5-5.5	28	0.5	60	80 with 3 LEDs	1.27	1.11	.98	.86

SUPERTEX Drivers and Demo Boards

Supertex

SUPERTEX LED DRIVER INTEGRATED CIRCUITS AND DEMO BOARDS

◆Surface Mount Device

White LED Driver IC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Supply Voltage (V)	Input Voltage (V)	R_{SET} (Ω)	Internally Regulated Voltage (V)(Typ)	LED Current (Min/Max) (mA)	Supply Current (mA)(Max)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	HV9903K6-G	MLP-6	2.6 - 4.6	1.8 - 12.5	1.5K	3.3	5.0/40	1.6	1.06	.88	.82

Universal High Brightness LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	Current For Ext. Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	Curr. Sense Pull-in Thresh Voltage (Min/Max)(mV)	Oscillator Frequency (Min/Max)(kHz)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	HV9910LG-G	SO-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.12	.93	.86
689	HV9910P	DIP-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.05	.87	.80
◆ 689	HV9910NG-G	SO-16	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.24	1.03	.95

Switchmode LED Driver IC with High Current Accuracy

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	DC Input Voltage (V)	IC Shut-Down Voltage (Typ) (V)	Shut-Down Mode Supply Current (Max.) (mA)	Internally Regulated Voltage (Typ) (V)	Undervoltage Lockout Hysteresis (Typ)(mV)	Reference Pin Voltage (Min/Typ/Max)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	HV9911NG-G	SOIC-16	0.5 - 250	1.25	1.5	7.75	12	1.225/1.25/1.275	1.58	1.31	1.21

3-Pin Switchmode LED Driver ICs

MOUSER STOCK NO.		Package	DC Input Voltage (V)	AC Input Voltage (V)	Constant Output Current (mA)	ON Resistance (Ω)	Operating Supply Current (Typ/Max)(uA)	Threshold Current (Min/Max)(mA)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
689	HV9921N3-G	TO-92	20 - 400	85 - 264	20.0	210	250/350	20.5/25.5	.78	.65	.60
◆ 689	HV9921N8-G	SOT-89	20 - 400	85 - 264	20.0	210	250/350	20.5/25.5	.82	.68	.63
689	HV9923N3-G	TO-92	20 - 400	85 - 264	30.0	210	200/350	30.8/38.2	.80	.66	.61
◆ 689	HV9923N8-G	SOT-89	20 -400	85 - 264	30.0	210	200/350	30.8/38.2	.84	.70	.64
689	HV9922N3-G	TO-92	20 - 400	85 - 264	50.0	210	250/350	52/63	.84	.70	.64
◆ 689	HV9922N8-G	SOT-89	20 - 400	85 - 264	50.0	210	250/350	52/63	.87	.73	.67

Programmable-Current LED Lamp Driver IC with PWM Dimming

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	DC Input Voltage (V)	AC Input Voltage (V)	Programmable Output Current Max. (mA)	ON Resistance (Ω)	Operating Supply Current (Typ/Max) (μA)	Power Dissipation @ 25°C Max. (mW)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	HV9925SG-G	SOIC-8	20 - 400	85 - 264	50.0	200	300/500	800	1.22	1.01	.93

Hysteric Boost-Buck LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	Current For Ext.Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWMD Pull-Down Resistance (Min/Max)(kΩ)	Reference Pin Voltage (Min/Typ/Max)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	HV9930LG-G	SO-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288	1.24	1.03	.95
689	HV9930P-G	DIP-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288	1.18	.98	.91

Unity Power Factor LED Lamp Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	AC Input Voltage (V)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWMD Pull-Down Resistance (Min/Max)(kΩ)	PWMD Input Voltage (Low/High) (V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	HV9931LG-G	SOIC-8	8.0 - 450	85 - 264	1	7.5	50/150	1.0(Max)/2.4(Min)	1.24	1.03	.95
689	HV9931P-G	DIP-8	8.0 - 450	85-264	1	7.5	50/150	1.0(Max)/2.4(Min)	1.18	.98	.91

Temperature Compensated Constant Current LED Driver ICs

MOUSER STOCK NO.		Package	DC Input Voltage (V)	Current Regulation (Typ)(mA)	Maximum Operating Voltage (V)	Dynamic Resistance (Typ)(Ω)	Power Dissipation @ TA = 25° C (W)	Temperature Coefficient %/°C	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	CL2K4-G	TO-252	5.0 - 90	20	100	300k	2.0	0.01	.70	.58	.54
◆ 689	CL2N8-G	SOT-89	5.0 - 90	20	100	300k	1.3	0.01	.49	.41	.38
689	CL2N3-G	TO-92	5.0 - 90	20	100	300k	0.6	0.01	.44	.36	.34

Linear Fixed Constant Current LED Driver ICs

MOUSER STOCK NO.		Package	Supply Voltage (V)	Current into VDD pin (Min/Typ/Max) (mA)	Current into OUT pin (Min/Typ/Max) (mA)	Thermal Resistance Junct-Case (Typ (°C/W)	Thermal Resistance Junct-Ambient (Typ (°C/W)	Overtemperature Limit (°C) Min/Typ/Max.	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	CL6K4-G	TO-252	6.5 - 28	3.0/5.0/10	90/100/110	1.3	40	120/135/150	1.52	1.26	1.17
689	CL6N5-G	TO-220	6.5 - 28	3.0/5.0/10	90/100/110	2.5	62	120/135/150	1.62	1.34	1.24

Linear Fixed Constant Current LED Driver ICs with Enable

For quantities greater than listed, call for quote.

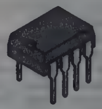
MOUSER STOCK NO.		Package	Supply Voltage (V)	Output Voltage (V)	Enable Voltage (V)	Storage Temperature (Typ)°C/W)	Thermal Resistance Junct-Ambient (Typ (°C/W)	Overtemperature Limit (°C) Min/Typ/Max.	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆ 689	CL7SG-G	SOIC-8	-25 to 100	-25 to 100	-0.5 to +6.5	-65 to +150°C	67	120/150/150	1.82	1.52	1.40

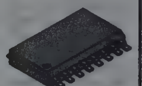
LED Driver IC Demo Boards

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
689	HV9903DB1	Contains all the necessary circuitry to demonstrate the features of the HV9903 white LED driver	50.00
689	HV9910DB1	Off-line, high brightness LED driver demo board. It contains all the necessary circuitry to test the performance of the HV9910 as a constant currentdriver to drive a string or multiple strings of LEDs	150.00
689	HV9910DB2	Universal off-line high brightness LED driver demo board. The board can be used to test the performance of HV9910 as a constant driver to power a string or multiple strings of LEDs	150.00
689	HV9910DB3	Low voltage, high brightness LED driver demo board. The board can be used to test the performance of the HV9910 as a constant driver to power LEDs	110.00
689	HV9911DB1	High brightness boost LED driver demo board. The demo board is capable of driving up to 20 one-watt LEDs in series from an input of 21-27VDC. The demo board uses the HV9911 in a boost topology.	150.00
689	HV9921DB1	Universal off-line LED driver demo board. The demo board is a complete LED power driver to supply a string of LEDs using the HV9921, an integrated 3-pin high input voltage constant-current buck regulator IC	90.00
689	HV9922DB1	Universal off-line LED driver demo board. The demo board is a complete LED power driver to supply a string of LEDs using the HV9922, an integrated 3-pin high input voltage constant-current buck regulator IC	90.00
689	HV9923DB1	A complete LED power driver demo board that can supply a string of LEDs using the HV9923 driver IC. It integrates a 500V switching MOSFET and can operate directly from the rectified universal AC line voltage range of 80 to 264VAC	90.00
689	HV9930DB1	High brightness LED driver demo board. The board uses an LED driver that is capable of driving up to 7 1-watt LEDs in series from an automotive input of 9 to 25 VDC. The demo board uses Supertex's HV9930 in a boost-buck topology.	110.00
689	HV9930DB2	High brightness boost-buck LED driver demo board. The demo board uses an LED driver that is capable of driving 4 3-watt LEDs in series from an input of 9 to 25 VDC. The demo board uses Supertex's HV9930 in a boost-buck topology.	110.00
689	HV9931DB1	A universal input non-isolated constant current source for powering a strings of high-bright LEDs. It operates from the universal 90-260VAC range and accepts an external PWM dimming signal for controlling the duty ratio of the output current.	150.00

MLP-6

SO-8


DIP-8


SO-16

TO-92

SOT-89

TO-252

Hi Power LED Modules and Arrays

RoHS Compliant **This page of product is compliant.**

CML LED MODULES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	CML Part No.	Fig.	Color	Color Temp/Wave-length	Intensity (cd)	Power (W)	Drive Current (mA)	Price Each		
								1	10	50
607-ILL3A0001B	ILL3A0001B	A	Warm White	3250K ±250K	40	2.8	700	24.40	20.43	18.73
607-ILL3A0001A	ILL3A0001A	A	Cool White	6400K ±600K	62	2.8	700	24.40	20.43	18.73
607-ILL3A0004B	ILL3A0004B	B	Warm White	3250K ±250K	48	3.8	350	56.44	47.25	43.31
607-ILL3A0004A	ILL3A0004A	B	Cool White	6400K ±600K	96	3.8	350	56.44	47.25	43.31
607-ILL3A0002H	ILL3A0002H	C	Cool White	6400K ±600K	320	14	700	120.08	100.53	92.15
607-ILL5A0001A	ILL5A0001A	D	Warm White	3250K ±250K	133	6	500	132.00	108.00	99.00
607-ILL5A0001B	ILL5A0001B	D	Cool White	6400K ±600K	231	6	500	132.00	108.00	99.00

Dialight LED MODULES

For quantities of 100 and up, call for quote.

645-LK11R	LK1-1-R	E	Red	627	44	1	350	16.59	13.58	12.18
645-LK11A	LK1-1-A	E	Amber	590	36	1	350	16.59	13.58	12.18
645-LK11G	LK1-1-G	E	Green	530	25	1.2	350	17.96	14.70	13.18
645-LK11B	LK1-1-B	E	Blue	455	4	1.2	350	17.96	14.70	13.18
645-LK11WW	LK1-1-WW	E	Warm White	3200K	18	1.2	350	19.99	16.36	14.67
645-LK11W	LK1-1-W	E	White	4500K	25	1.2	350	19.99	16.36	14.67
645-LK3-RGB	LK3-RGB	F	RGB	Full Spectrum	35/42/176mW	3	350	35.22	33.11	31.24

Dialight LED ARRAYS

For quantities of 100 and up, call for quote.

645-LLT3-R	LLT3-R	G	Red	627	105	3	350	29.79	28.01	26.43
645-LLT3-A	LLT3-A	G	Amber	590	102	3	350	29.79	28.01	26.43
645-LLT3-G	LLT3-G	G	Green	530	126	3	350	32.46	30.52	28.80
645-LLT3-B	LLT3-B	G	Blue	455	528mW	3	350	32.46	30.52	28.80
645-LLT3-WW	LLT3-WW	G	Warm White	3200K	48	3	350	36.46	34.28	32.35
645-LLT3-W	LLT3-W	G	White	4500K	108	3	350	36.46	34.28	32.35
645-CE3-CRGB-XXX	CE3-CRGB-XXX	H	RGB	Full Spectrum	44/53/220mW	3	350	63.38	59.58	56.22
645-CE6-CRGB-XXX	CE6-CRGB-XXX	I	RGB	Full Spectrum	44/53/220mW	6	350	119.78	112.62	106.26

Dialight OPTICAL SUPPORT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Dialight Part No.	Fig.	Description	Material Color	Price Each		
					1	10	50
645-OHE-S1CL	OH-ES1-CL	J	Lens Holder for LK1, and LLT3 Series	Clear	.32	.30	.29
645-OHE-S1WH	OH-ES1-WH	J	Lens Holder for LK1, and LLT3 Series	White	.32	.30	.29
645-OHE-S1BK	OH-ES1-BK	J	Lens Holder for LK1, and LLT3 Series	Black	.32	.30	.29
645-OP005	OP-005	K	5 Degree Snap-in Lens for LK1, LLT3 Series	Clear	.94	.88	.83
645-OP015	OP-015	K	15 Degree Snap-in Lens for LK1, LLT3 Series	Clear	.94	.88	.83
645-OP025	OP-025	K	25 Degree Snap-in Lens for LK1, LLT3 Series	Clear	.94	.88	.83
645-OP520	OP-520	K	5x20 Degree Snap-in Lens for LK1, LLT3 Series	Clear	.94	.88	.83

Dialight LINKING CABLES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Dialight Part No.	Fig.	Description	Series	Price Each		
					1	10	50
645-CT2100	CT2-100	- -	2 Way Link, 100mm Length	LK1	1.44	1.30	1.10
645-CT2200	CT2-200	- -	2 Way Link, 200mm Length	LK1	1.53	1.38	1.17
645-CT2C	CT2-C	- -	2 Way Common Connector	LK1	1.83	1.65	1.40
645-CT2E300	CT2-E300	- -	2 Way Input Lead	LK1	1.62	1.46	1.24

Dialight LED POWER DRIVERS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Dialight Part No.	Fig.	Supply Voltage		Output Current (mA)	Output Power		Price Each		
			Min./ Max.	Min./ Max.		Min.	Max.	1	10	50
645-MDU-4SC35	MDU-4SC35	L	110 / 240	VAC	350	1.2	5	16.12	15.15	14.30
645-MDU9SC3570	MDU-9SC3-570	L	110 / 240	VAC	700	1.2	10.8	29.12	25.23	22.25
645-MLV-3C35	MLV-3C35	L	10 / 28	VAC/VDC	350	1	3.6	20.38	19.16	18.08
645-MLV-3C70	MLV-3C70	L	10 / 28	VAC/VDC	700	1	3.6	20.38	19.16	18.08
645-MLV-9C35	MLV-9C35	L	12 / 24	VAC/VDC	350	2.8	12.6	47.36	44.53	42.01
645-MLV-9C70	MLV-9C70	L	12 / 24	VAC/VDC	700	4.2	12.6	47.36	44.53	42.01

TT electronics OPTEK Technology LED ARRAYS

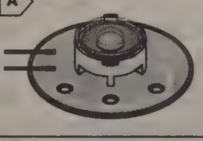
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Optek Part No.	Fig.	Color	Color Temp/Wave-length	Intensity (cd)	Power (W)	Drive Current (mA)	Price Each		
								1	10	50
828-OPA742R23	OPA742R23	M	Red	625	30	1	350	11.06	9.40	8.85
828-OPA742Y23	OPA742Y23	M	Yellow	587	22	1	350	11.06	9.40	8.85
828-OPA742G23	OPA742G23	M	Green	530	41	1	350	14.14	12.02	11.31
828-OPA742B23	OPA742B23	M	Blue	470	8	1	350	12.42	10.56	9.94
828-OPA742W23	OPA742W23	M	White	7000K	41	1	350	12.36	10.51	9.89
828-OPA739R	OPA739R	N	Red	625	78	3	350	10.22	8.69	8.18
828-OPA739G	OPA739G	N	Green	530	144	3	350	19.44	16.52	15.55
828-OPA739B	OPA739B	N	Blue	470	27	3	350	14.26	12.12	11.41
828-OPA739W	OPA739W	N	White	7000K	144	3	350	14.20	12.07	11.36
828-OPA729W	OPA729W	O	White	7000K	480	10	700	42.38	36.02	33.90
828-OPA729WD	OPA729WD	O	White	7000K	480	10	700	49.14	41.77	39.31
828-OPA740W23	OPA740W23	P	White	7000K	408	10	700	79.78	67.81	63.82
828-OPA731WD	OPA731WD	Q	White	7000K	960	20	1400	89.00	75.65	71.20

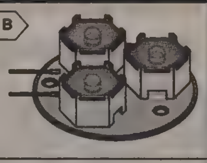
TT electronics OPTEK Technology LED DESIGN KIT

MOUSER STOCK NO.	Optek Part No.	Fig.	Description	Price Each
828-OPAKIT-100	OPAKIT-100	- -	VLED Designer Kit for the OPA Series	650.00

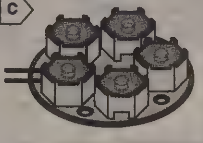
A



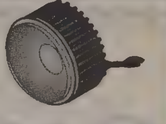
B



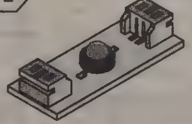
C



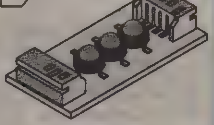
D



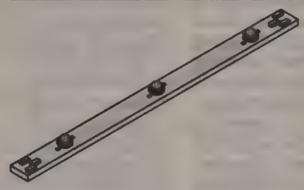
E



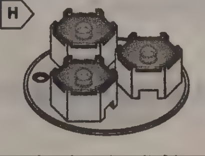
F



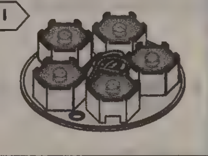
G



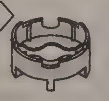
H



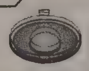
I



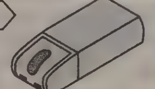
J



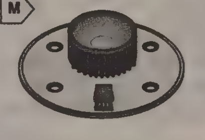
K



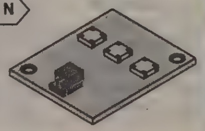
L



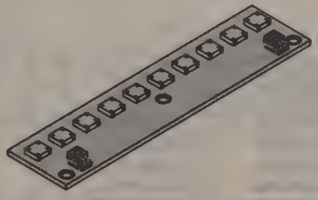
M



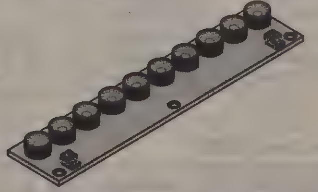
N



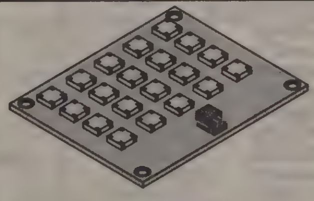
O



P



Q



Hi Power LEDs

This page of product is compliant.

Compatible heat sinks can be found in our Thermal Management Section of this catalog.

AVAGO POWER LEDS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Fig.	Color	Wave-length (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (A)	Price Each			
									1	10	50	100
630-ASMT-MB00-NAE00	ASMT-MB00-NAE00	A	Blue	467	19	1	3.6	0.35	**3.94**	**3.24**	**2.85**	**2.63**
630-ASMT-MG00-NGJ00	ASMT-MG00-NGJ00	A	Green	525	73	1	3.6	0.35	**4.61**	**3.79**	**3.34**	**3.08**
630-ASMT-MW00-NFI00	ASMT-MW00-NFI00	A	White	- - -	56	1	3.6	0.35	**4.05**	**3.33**	**2.93**	**2.70**

CML HI POWER SERIES

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	CML Part No.	Fig.	Color	Wave-length (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (A)	Price Each			
									1	10	50	100
607-CMDA30RGB15D13L	CMDA30RGB15D13L	B	RGB	625/527/430	60	1	3.4	0.4	**21.20**	**19.12**	**17.14**	**15.51**
607-CMDA48AR15D13L	CMDA48AR15D13L	C	Red	625	30	2.5	2.5	0.8	**5.28**	**4.32**	**3.88**	**3.51**
607-CMDA48AG15D13L	CMDA48AG15D13L	C	Green	527	48	2.5	3.4	0.8	**10.55**	**9.52**	**8.54**	**7.72**
607-CMDA48CB15D13L	CMDA48CB15D13L	C	Blue	460	11	2.5	3.4	0.8	**9.70**	**8.75**	**7.84**	**7.10**
607-CMDA48CW15D13L	CMDA48CW15D13L	C	White	6500K	60	2.5	3.4	0.8	**9.70**	**8.75**	**7.84**	**7.10**
607-CMDA49AR15D13L	CMDA49AR15D13L	D	Red	625	30	2.5	2.5	0.8	**6.20**	**5.08**	**4.55**	**4.12**
607-CMDA49AG15D13L	CMDA49AG15D13L	D	Green	527	48	2.5	3.4	0.8	**11.25**	**10.15**	**9.10**	**8.24**
607-CMDA49CB15D13L	CMDA49CB15D13L	D	Blue	460	11	2.5	3.4	0.8	**11.63**	**9.52**	**8.54**	**7.72**
607-CMDA49CW15D13L	CMDA49CW15D13L	D	White	6500K	60	2.5	3.4	0.8	**11.63**	**9.52**	**8.54**	**7.72**
607-CMDA51CB15D13L	CMDA51CB15D13L	E	Blue	460	11	5	3.4	1.6	**21.40**	**19.31**	**17.31**	**15.66**
607-CMDA51CW15D13L	CMDA51CW15D13L	E	White	6500K	60	5	3.4	1.6	**22.28**	**20.10**	**18.02**	**16.31**
607-CMDA52CB15D13L	CMDA52CB15D13L	F	Blue	460	11	5	3.4	1.6	**22.28**	**20.10**	**18.02**	**16.31**
607-CMDA52CW15D13L	CMDA52CW15D13L	F	White	6500K	60	5	3.4	1.6	**22.84**	**20.60**	**18.47**	**16.72**

LedEngin, Inc. SOLID STATE LIGHTING

NEW SUPPLIER

3 Watt Power LEDS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	LEDEngin Part No.	Fig.	Color	Wavelength (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Price Each			
									1	10	50	100
897-LZ100R103	LZ1-00R103	G	Red	630	90	2.5	3.6	700	**7.65**	**7.23**	**6.80**	**6.38**
897-LZ100G103	LZ1-00G103	G	Green	514-531	130	2.7	3.8	700	**9.00**	**8.50**	**8.00**	**7.50**
897-LZ100B203	LZ1-00B203	G	Blue	449-469	42	2.7	3.8	700	**8.10**	**7.65**	**7.20**	**6.75**
897-LZ100CW03	LZ1-00CW03	G	White	4500-8000K	135	2.7	3.8	700	**8.10**	**7.65**	**7.20**	**6.75**
897-LZ110R103	LZ1-10R103	I	Red	630	90	2.5	3.6	700	**9.45**	**8.93**	**8.40**	**7.88**
897-LZ110G103	LZ1-10G103	I	Green	514-531	130	2.7	3.8	700	**10.80**	**10.20**	**9.60**	**9.00**
897-LZ110B203	LZ1-10B203	I	Blue	449-469	42	2.7	3.8	700	**9.90**	**9.35**	**8.80**	**8.25**
897-LZ110CW03	LZ1-10CW03	I	White	4500-8000K	135	2.7	3.8	700	**9.90**	**9.35**	**8.80**	**8.25**

5 Watt Power LEDS

For quantities of 200 and up, call for quote.

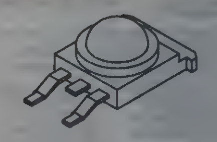
MOUSER STOCK NO.	LEDEngin Part No.	Fig.	Color	Wavelength (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Price Each			
									1	10	50	100
897-LZ100R105	LZ1-00R105	G	Red	630	140	4.2	4	1050	**9.00**	**8.50**	**8.00**	**7.50**
897-LZ100G105	LZ1-00G105	G	Green	508-531	160	4.3	4.1	1050	**10.80**	**10.20**	**9.60**	**9.00**
897-LZ100B205	LZ1-00B205	G	Blue	443-473	55	4.3	4.1	1050	**9.90**	**9.35**	**8.80**	**8.25**
897-LZ100CW05	LZ1-00CW05	G	White	4500-8000K	170	4.3	4.1	1050	**9.90**	**9.35**	**8.80**	**8.25**
897-LZ110R105	LZ1-10R105	I	Red	630	140	4.2	4	1050	**10.80**	**10.20**	**9.60**	**9.00**
897-LZ110G105	LZ1-10G105	I	Green	508-531	160	4.3	4.1	1050	**12.60**	**11.90**	**11.20**	**10.50**
897-LZ110DB05	LZ1-10DB05	I	Dental Blue	455-465	55	4.3	4.1	1050	**21.19**	**20.01**	**18.83**	**17.66**
897-LZ110B205	LZ1-10B205	I	Blue	443-473	55	4.3	4.1	1050	**11.70**	**11.05**	**10.40**	**9.75**
897-LZ110CW05	LZ1-10CW05	I	White	4500-8000K	170	4.3	4.1	1050	**11.70**	**11.05**	**10.40**	**9.75**

10 Watt Power LEDS

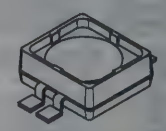
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	LEDEngin Part No.	Fig.	Color	Wavelength (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (mA)	Price Each			
									1	10	50	100
897-LZ400R110	LZ4-00R110	H	Red	635	320	11.2	12	700	**45.12**	**42.30**	**39.48**	**38.07**
897-LZ400G110	LZ4-00G110	H	Green	530	465	10.4	14.8	700	**48.00**	**45.00**	**42.00**	**40.50**
897-LZ400B210	LZ4-00B210	H	Blue	443-473	165	10.4	14.8	700	**40.00**	**37.50**	**35.00**	**33.75**
897-LZ400CW10	LZ4-00CW10	H	White	4500-8000K	370	10.4	14.8	700	**40.00**	**37.50**	**35.00**	**33.75**
897-LZ420R110	LZ4-20R110	J	Red	635	320	11.2	12	700	**38.40**	**36.00**	**33.60**	**32.40**
897-LZ420G110	LZ4-20G110	J	Green	530	465	10.4	14.8	700	**73.02**	**68.46**	**63.90**	**61.61**
897-LZ420DB10	LZ4-20DB10	J	Dental Blue	455-465	165	10.4	14.8	1050	**87.31**	**81.86**	**76.40**	**73.67**
897-LZ420B210	LZ4-20B210	J	Blue	443-473	165	10.4	14.8	700	**52.80**	**49.50**	**46.20**	**44.55**
897-LZ420CW10	LZ4-20CW10	J	White	4500-8000K	370	10.4	14.8	700	**78.74**	**73.82**	**68.89**	**66.43**

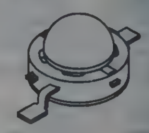
A



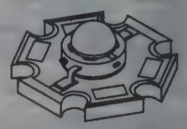
B



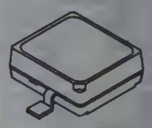
C



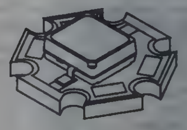
D



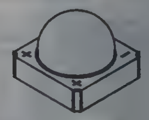
E



F

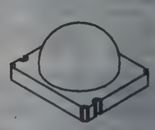


G



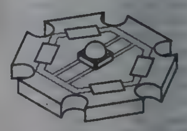
4mm x 4mm

H

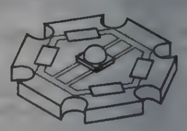


7mm x 7mm

I



J



Hi Power LEDs

RoHS Compliant **This page of product is compliant.**

Compatible Heat Sinks can be found in our Thermal Management Section of this Catalog

LITEON LOPL SMD SERIES

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Fig.	Color	Wave-length (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (A)	Price Each			
									1	10	50	100
1 Watt LEDs												
859-LOPL-E011M	LOPL-E011M	A	Warm White	3800K	28	1.5	3.8	0.35	4.63	3.79	3.40	3.07
859-LOPL-E011W	LOPL-E011W	A	Cool White	5500K	45	1.5	3.8	0.35	4.63	3.79	3.40	3.07
859-LOPL-E011R	LOPL-E011R	A	Red	625	37	1.15	2.57	0.35	3.80	3.11	2.79	2.52
859-LOPL-E011G	LOPL-E011G	A	Green	530	53	1.5	3.7	0.35	3.97	3.25	2.91	2.64
859-LOPL-E011B	LOPL-E011B	A	Blue	470	12	1.5	3.8	0.35	3.97	3.25	2.91	2.64
859-LOPL-E011MA	LOPL-E011MA	B	Warm White	3800K	28	1.5	3.8	0.35	4.96	4.06	3.64	3.29
859-LOPL-E011WA	LOPL-E011WA	B	Cool White	5500K	45	1.5	3.8	0.35	4.96	4.06	3.64	3.29
859-LOPL-E011RA	LOPL-E011RA	B	Red	625	37	1.15	2.57	0.35	5.13	4.20	3.76	3.40
859-LOPL-E011GA	LOPL-E011GA	B	Green	530	53	1.5	3.7	0.35	5.29	4.33	3.88	3.51
859-LOPL-E011BA	LOPL-E011BA	B	Blue	470	12	1.5	3.8	0.35	5.29	4.33	3.88	3.51
859-LOPL-E011MB	LOPL-E011MB	C	Warm White	3800K	28	1.5	3.8	0.35	4.96	4.06	3.64	3.29
859-LOPL-E011WB	LOPL-E011WB	C	Cool White	5500K	45	1.5	3.8	0.35	4.96	4.06	3.64	3.29
859-LOPL-E011RB	LOPL-E011RB	C	Red	625	37	1.15	2.57	0.35	5.13	4.20	3.76	3.40
859-LOPL-E011GB	LOPL-E011GB	C	Green	530	53	1.5	3.7	0.35	5.29	4.33	3.88	3.51
859-LOPL-E011BB	LOPL-E011BB	C	Blue	470	12	1.5	3.8	0.35	5.29	4.33	3.88	3.51
3 Watt LEDs												
859-LOPL-E031M	LOPL-E031M	A	Warm White	3800K	55	3.0	4.0	0.7	5.78	5.20	4.62	4.04
859-LOPL-E031W	LOPL-E031W	A	Cool White	5500K	75	3.0	4.0	0.7	5.78	5.20	4.62	4.04
859-LOPL-E031MA	LOPL-E031MA	B	Warm White	3800K	55	3.0	4.0	0.7	7.32	6.59	5.85	5.12
859-LOPL-E031WA	LOPL-E031WA	B	Cool White	5500K	75	3.0	4.0	0.7	7.32	6.59	5.85	5.12
859-LOPL-E031MB	LOPL-E031MB	C	Warm White	3800K	55	3.0	4.0	0.7	7.32	6.59	5.85	5.12
859-LOPL-E031WB	LOPL-E031WB	C	Cool White	5500K	75	3.0	4.0	0.7	7.32	6.59	5.85	5.12

SML SMD SERIES

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color	Wave-length (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (A)	Price Each			
									1	10	50	100
696-SML-LX1610SIC	SML-LX1610SIC	D	Red	625	22	1.1	2.1	0.35	3.57	2.92	2.62	2.37
696-SML-LX1610SICA	SML-LX1610SICA	D	Red	625	22	1.1	2.1	0.35	3.57	2.92	2.62	2.37
696-SML-LX1610SYC	SML-LX1610SYC	D	Yellow	592	22	1.1	2.1	0.35	3.57	2.92	2.62	2.37
696-SML-LX1610SYCA	SML-LX1610SYCA	D	Yellow	592	22	1.1	2.1	0.35	3.57	2.92	2.62	2.37
696-SML-LX1610UPGC	SML-LX1610UPGC	D	Green	525	25	1.5	4	0.35	6.25	5.12	4.59	4.15
696-SML-LX1610UPGCA	SML-LX1610UPGCA	D	Green	525	25	1.5	4	0.35	6.25	5.12	4.59	4.15
696-SML-LX1610USBC	SML-LX1610USBC	D	Blue	470	5	1.5	3.5	0.35	6.25	5.12	4.59	4.15
696-SML-LX1610USBCA	SML-LX1610USBCA	D	Blue	470	5	1.5	3.5	0.35	6.25	5.12	4.59	4.15
696-SML-LX1610UWC	SML-LX1610UWC	D	White	- - -	30	1.5	3.5	0.35	6.25	5.12	4.59	4.15
696-SML-LX1610UWCA	SML-LX1610UWCA	D	White	- - -	30	1.5	3.5	0.35	6.25	5.12	4.59	4.15

TT electronics
OPTEK Technology

OVSP SMD SERIES

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Optek Part No.	Fig.	Color	Wave-length (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (A)	Price Each			
									1	10	50	100
828-OVSPRBCR4	OVSPRBCR4	E	Red	625	26	1.2	2.5	0.4	1.98	1.62	1.46	1.32
828-OVSPYBCR4	OVSPYBCR4	E	Yellow	587	35	1.2	2.5	0.4	1.98	1.62	1.46	1.32
828-OVSPGBCR4	OVSPGBCR4	E	Green	530	48	1.2	3.6	0.35	4.96	4.06	3.64	3.29
828-OVSPBBCR4	OVSPBBCR4	E	Blue	470	9	1.2	3.6	0.35	3.30	2.70	2.42	2.19
828-OVSPWBCR4	OVSPWBCR4	E	White	- - -	48	1.2	3.6	0.35	3.60	2.94	2.64	2.39

TT electronics
OPTEK Technology

OVTL SMD SERIES

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Optek Part No.	Fig.	Color	Wave-length (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (A)	Price Each			
									1	10	50	100
828-OVTL01LGARS	OVTL01LGARS	F	Red	625	53	1	2.3	350	2.88	2.35	2.11	1.91
828-OVTL01LGAAS	OVTL01LGAAS	F	Amber	595	38	1	2.3	350	2.88	2.35	2.11	1.91
828-OVTL01LGAGS	OVTL01LGAGS	F	Green	515	52	1	3.6	350	3.27	2.68	2.40	2.17
828-OVTL01LGABS	OVTL01LGABS	F	Blue	460	15	1	3.4	350	3.27	2.68	2.40	2.17
828-OVTL01LGAWS	OVTL01LGAWS	F	Cool White	- - -	50	1	3.4	350	3.47	2.84	2.55	2.31
828-OVTL01LGAWDS	OVTL01LGAWDS	F	Daylight White	- - -	45	1	3.4	350	3.47	2.84	2.55	2.31
828-OVTL01LGAWWS	OVTL01LGAWWS	F	Warm White	- - -	30	1	3.4	350	3.47	2.84	2.55	2.31

TT electronics
OPTEK Technology

LEDNIUM SERIES

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Optek Part No.	Fig.	Color	Wave-length (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (A)	Price Each			
									1	10	50	100
828-OVTL09LG3R	OVTL09LG3R	G	Red	624	247	10	6.1	1.05	52.28	47.05	44.44	43.13
828-OVTL09LG3A	OVTL09LG3A	G	Amber	595	330	10	6.4	1.05	52.28	47.05	44.44	43.13
828-OVTL09LG3G	OVTL09LG3G	G	Green	524	290	10	9.9	1.05	62.40	56.16	53.04	51.48
828-OVTL09LG3B	OVTL09LG3B	G	Blue	467	60	10	9.1	1.05	57.34	51.61	48.74	47.31
828-OVTL09LG3M	OVTL09LG3M	G	RGB	- - -	221	10	8.6	1.05	57.34	51.61	48.74	47.31
828-OVTL09LG3W	OVTL09LG3W	G	Cool White	5000K	250	10	9.1	1.05	66.14	59.53	56.22	54.57
828-OVTL09LG3WW	OVTL09LG3WW	G	Warm White	3200K	230	10	10.2	1.05	39.21	35.28	33.33	32.34
828-OVTL09LG3WD	OVTL09LG3WD	G	Daylight White	5200K	275	10	10.2	1.05	39.19	35.28	33.32	32.34

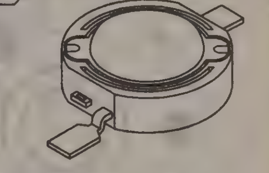
SEOUL

Z-POWER SMD SERIES

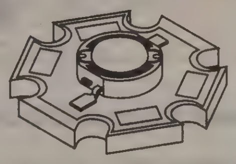
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Seoul Part No.	Fig.	Color	Wave-length (nm)	Luminous Flux (lm)	Power (W)	Voltage (VDC)	Current (A)	Price Each			
									1	10	50	100
889-R92050	R92050	H	Red	625	14	0.7	2.5	0.2	1.93	1.42	1.27	1.15
889-A92050	A92050	H	Amber	590	18	0.7	2.5	0.2	1.93	1.42	1.27	1.15
889-B92050	B92050	H	Blue	460	5	0.7	3.5	0.2	1.93	1.42	1.27	1.15
889-W92050	W92050	H	Pure White	6500K	25	0.7	3.5	0.2	1.93	1.42	1.27	1.15
889-S92050	S92050	H	Natural White	4000K	20	0.7	3.5	0.2	1.93	1.42	1.27	1.15
889-N92050	N92050	H	Warm White	3000K	15	0.7	3.5	0.2	1.93	1.42	1.27	1.15

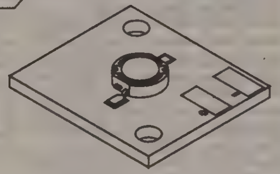
A



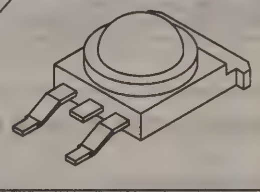
B



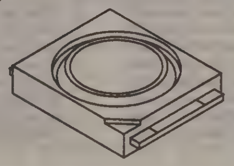
C



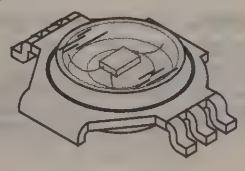
D



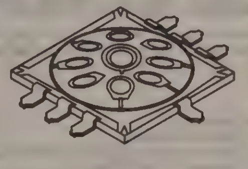
E



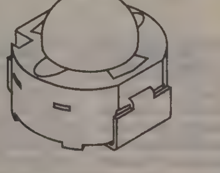
F



G

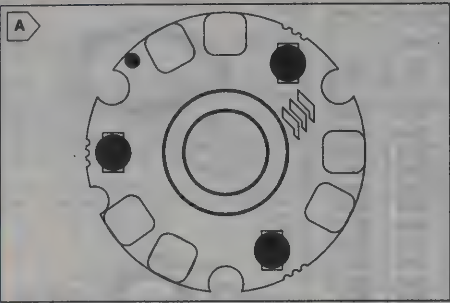


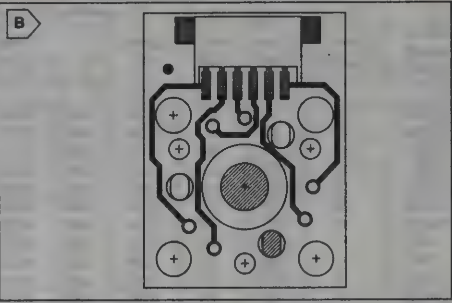
H

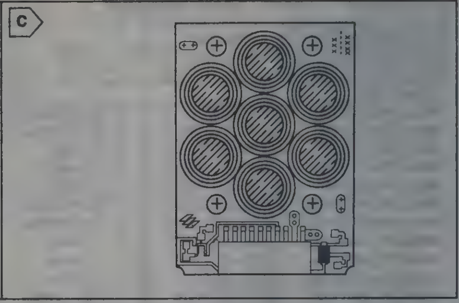


LAMINA LED Light Sources and Accessories

Products may be RoHS compliant.
Check mouser.com for RoHS status.

A


B


C


LAMINA SOLID STATE LIGHT ENGINES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lamina Part No.	Fig.	Color	Wavelength (nm) (Max)	Voltage (V) Typical	Drive (A)	Power (W)	Luminous Flux (lm) Typical	Thermal Resis. (°C/W) Typical	Price Each		
										1	10	50
Atlas Series, Single Cavity												
599-NT-42D1-0425	NT-42D1-0425	A	Warm White	3000K Color Temp	8.2	1.05	8.61	162	4.0	16.37	12.78	10.49
599-NT-42D0-0426	NT-42D0-0426	A	Daylight White	5000K Color Temp	8.2	1.05	8.61	250	4.0	15.82	12.37	10.09
599-NT-43F0-0424	NT-43F0-0424	A	Full Color RGB	R-629, G-535, B-470	R-4.6, G-6.7, B-7.6	0.35	R-1.6, G-2.3, B-2.7	R-52, G-59, B-14	3.5	24.42	18.85	15.72
Atlas Series mounted to "EZ Board"												
599-EZ-42D1-0432	EZ-42D1-0432	B	Warm White	3000K Color Temp	8.2	1.05	8.61	162	4.0	25.45	20.17	16.38
599-EZ-42D0-0433	EZ-42D0-0433	B	Daylight White	5000K Color Temp	8.2	1.05	8.61	250	4.0	24.87	19.43	15.98
599-EZ-43F0-0431	EZ-43F0-0431	B	Full Color RGB	R-629, G-535, B-470	R-4.6, G-6.7, B-7.6	0.35	R-1.6, G-2.3, B-2.7	R-52, G-59, B-14	3.5	33.47	26.12	21.62
Titan Series, 7 Cavity												
599-NT-52D1-0430	NT-52D1-0430	D	White	2750K to 3550K	22.8	1.4	32	665	0.9	77.12	71.50	65.50
599-NT-52D0-0429	NT-52D0-0429	D	White	3950K to 6200K	23.5	1.4	32.9	1070	0.9	77.12	71.50	65.50
599-NT-53F0-0428	NT-53F0-0428	D	Full Color RGB	R-629, G-535, B-470	R-7.1, G-10.8, B-11.4	1.4	R-9.9, G-15.1, B-16	R-383, G-395, B-104	0.8	80.20	74.36	68.12
Titan Turbo Series, 7 Cavity												
599-NT-54D1-0486	NT-54D1-0486	C	Warm White	3050K	11.4	5.0	57	1138	0.6	124.87	115.77	112.49
599-NT-54D0-0487	NT-54D0-0487	C	Daylight White	4700K	11.4	5.0	57	1855	0.6	124.87	115.77	112.49

LAMINA LIGHT SOURCE OPTICS

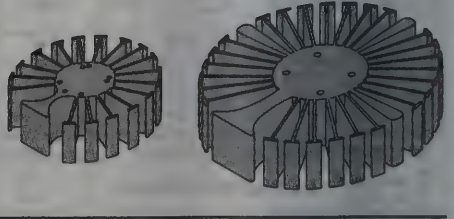
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lamina Part No.	Light Source Series	Beam Angle	Description	Price Each		
					1	10	50
599-OP-4LN2-0492	OP-4LN2-0492	Atlas	10	Narrow Beam for White, with Holder	8.35	7.91	7.68
599-OP-4LN1-0457	OP-4LN1-0457	Atlas	10	Narrow Beam for RGB, with Holder	8.35	7.91	7.68
599-OP-4FM1-0442	OP-4FM1-0442	Atlas	30	Medium Beam, With Holder	6.12	4.78	3.69
599-OP-4FW1-0441	OP-4FW1-0441	Atlas	45	Wide Beam, With Holder	6.12	4.78	3.69
599-OP-5LN1-0451	OP-5LN1-0451	Titan	10	Narrow Beam, With Holder	30.17	27.45	24.90
599-OP-5LN2-0445	OP-5LN2-0445	Titan	20	Narrow Beam, With Holder	17.12	15.85	14.78
599-OP-5LM3-0455	OP-5LM3-0455	Titan	30	Medium Beam, With Holder	17.12	15.85	14.78
599-OP-5LW4-0456	OP-5LW4-0456	Titan	45	Wide Beam, With Holder	17.12	15.85	14.78

LAMINA LIGHT HEAT SINKS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lamina Part No.	Light Source Series	Diameter (In.)	Thickness (In.)	Mounting Holes	Price Each		
						1	10	50
599-HS-4075-0345	HS-4075-0345	Atlas	2.50	0.75	2-56 UNC-2B	6.92	6.19	5.76
599-HS-4150-0345	HS-4150-0345	Atlas	2.50	1.50	2-56 UNC-2B	8.66	8.32	7.98
599-HS-5200-0493	HS-5200-0493	Titan	3.94	2.36	4-40 UNC-2B	25.62	24.88	24.34

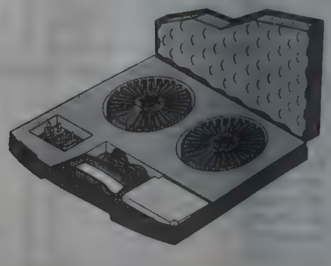


LAMINA DEVELOPER KITS

Lamina's "Discovery" kits contain ALL necessary components to allow the customers to "plug and play." It contains light engines, solder, wire, heatsinks, power supplies, screws, and thermal interface tapes to make it simple for you to learn and interact with Lamina Atlas/Titan light sources.

Kit Contains:
- Light Source Assembly
- Adapter plugs (DK-04F00396, DK-04D0-0395)
- AC Adapter (DK-04F0-0396)
- Spare DC Cable (DK-04D0-0394 and 0395)
- Driver
- Optics
- AC Cord

lamina
Bright Lights. Bright Ideas.



MOUSER STOCK NO.	Lamina Part No.	Light Source Series	Description	Price Each
599-DK-04D0-0394	DK-04D0-0394	Atlas	White 5500K Developer Kit, 120VAC	160.00
599-DK-04D0-0395	DK-04D0-0395	Atlas	White 5500K Developer Kit, 230VAC	140.00
599-DK-04F0-0396	DK-04F0-0396	Atlas	RGB Developer Kit	280.00
599-DK-05D0-0399	DK-05D0-0399	Titan	White LED Developer Kit	280.00
599-DK-05F0-0398	DK-05F0-0398	Titan	RGB Developer Kit	347.00

SEOUL SEMICONDUCTOR Z-Power LEDs

RoHS Compliant **This page of product is compliant.**

Seoul Semiconductor, as a world class semiconductor lighting company, has been working on high brightness LEDs since 1987. You can find their LEDs all over the world in illumination, signs, displays, traffic signals, automotive components, mobile phones, etc.

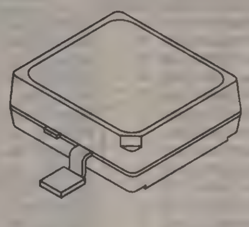
Z-Power LEDs from Seoul Semiconductor have a low thermal resistance. They are environmentally friendly, and have a low energy consumption with a high output.

Compatible Heat Sinks can be found in our Thermal Management Section of this Catalog

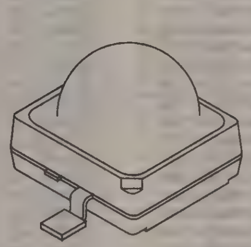
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Seoul Part No.	Fig.	Color	Wavelength	Luminous Flux (lm)	Voltage	Current	Price Each			
								1	10	50	100
1 Watt LEDs											
889-N10190	N10190	A	Warm White	3000K	35	3.5 VDC	0.4 A	5.57	4.47	3.96	3.63
889-S10190	S10190	A	Natural White	4000K	40	3.5 VDC	0.4 A	5.69	4.57	4.05	3.71
889-W10190	W10190	A	Pure White	6500K	52	3.5 VDC	0.4 A	5.44	4.36	3.87	3.55
889-R10190	R10190	A	Red	625 nm	30	2.5 VDC	0.4 A	3.16	2.54	2.25	2.06
889-A10190	A10190	A	Amber	590 nm	38	2.5 VDC	0.4 A	3.16	2.54	2.25	2.06
889-G10190	G10190	A	Green	527 nm	48	3.5 VDC	0.4 A	6.07	4.87	4.32	3.96
889-B10190	B10190	A	Blue	460 nm	11	3.5 VDC	0.4 A	5.31	4.26	3.78	3.47
889-N11190	N11190	B	Warm White	3000K	35	3.5 VDC	0.4 A	6.20	4.97	4.41	4.04
889-S11190	S11190	B	Natural White	4000K	40	3.5 VDC	0.4 A	6.33	5.08	4.50	4.13
889-W11190	W11190	B	Pure White	6500K	52	3.5 VDC	0.4 A	6.07	4.87	4.32	3.96
889-R11190	R11190	B	Red	625 nm	30	2.5 VDC	0.4 A	3.80	3.05	2.70	2.48
889-A11190	A11190	B	Amber	590 nm	38	2.5 VDC	0.4 A	3.80	3.05	2.70	2.48
889-G11190	G11190	B	Green	527 nm	48	3.5 VDC	0.4 A	6.70	5.38	4.77	4.37
889-B11190	B11190	B	Blue	460 nm	11	3.5 VDC	0.4 A	5.95	4.77	4.23	3.88
889-N32180	N32180	C	Warm White	3000K	35	3.5 VDC	0.4 A	5.57	4.47	3.96	3.63
889-S32180	S32180	C	Natural White	4000K	38	3.5 VDC	0.4 A	5.69	4.57	4.05	3.71
889-W32180	W32180	C	Pure White	6500K	52	3.5 VDC	0.4 A	5.44	4.36	3.87	3.55
889-R32180	R32180	C	Red	625 nm	30	2.5 VDC	0.4 A	3.16	2.54	2.25	2.06
889-A32180	A32180	C	Amber	590 nm	38	2.5 VDC	0.4 A	3.16	2.54	2.25	2.06
889-G32180	G32180	C	Green	527 nm	48	3.5 VDC	0.4 A	6.07	4.87	4.32	3.96
889-B32180	B32180	C	Blue	460 nm	11	3.5 VDC	0.4 A	5.31	4.26	3.78	3.47
889-W33180	W33180	C	Pure White	6500K	32	3.5 VDC	0.4 A	5.44	4.36	3.87	3.55
889-N32182	N32182	D	Warm White	3000K	35	3.5 VDC	0.4 A	6.33	5.08	4.50	4.13
889-S32182	S32182	D	Natural White	4000K	40	3.5 VDC	0.4 A	6.45	5.18	4.59	4.21
889-W32182	W32182	D	Pure White	6500K	52	3.5 VDC	0.4 A	6.20	4.97	4.41	4.04
889-R32182	R32182	D	Red	625 nm	30	2.5 VDC	0.4 A	3.54	2.84	2.52	2.31
889-A32182	A32182	D	Amber	590 nm	38	2.5 VDC	0.4 A	3.54	2.84	2.52	2.31
889-G32182	G32182	D	Green	527 nm	48	3.5 VDC	0.4 A	6.45	5.18	4.59	4.21
889-B32182	B32182	D	Blue	460 nm	11	3.5 VDC	0.4 A	6.45	5.18	4.59	4.21
889-N10192	N10192	E	Warm White	3000K	35	3.5 VDC	0.4 A	6.33	5.08	4.50	4.13
889-S10192	S10192	E	Natural White	4000K	40	3.5 VDC	0.4 A	6.45	5.18	4.59	4.21
889-W10192	W10192	E	Pure White	6500K	52	3.5 VDC	0.4 A	6.20	4.97	4.41	4.04
2.5 Watt LEDs											
889-N10290	N10290	A	Warm White	3000K	60	3.5 VDC	0.8 A	8.10	6.50	5.76	5.28
889-S10290	S10290	A	Natural White	4000K	70	3.5 VDC	0.8 A	8.10	6.50	5.76	5.28
889-W10290	W10290	A	Pure White	6500K	103	3.5 VDC	0.8 A	7.97	6.39	5.67	5.20
889-R10290	R10290	A	Red	625 nm	60	2.5 VDC	0.8 A	4.68	3.76	3.33	3.05
889-A10290	A10290	A	Amber	590 nm	75	2.5 VDC	0.8 A	4.68	3.76	3.33	3.05
889-G10290	G10290	A	Green	527 nm	93	3.5 VDC	0.8 A	8.86	7.11	6.30	5.78
889-B10290	B10290	A	Blue	460 nm	18	3.5 VDC	0.8 A	7.84	6.29	5.58	5.12
889-N11290	N11290	B	Warm White	3000K	60	3.5 VDC	0.8 A	8.73	7.00	6.21	5.69
889-S11290	S11290	B	Natural White	4000K	70	3.5 VDC	0.8 A	8.86	7.11	6.30	5.78
889-W11290	W11290	B	Pure White	6500K	103	3.5 VDC	0.8 A	8.60	6.90	6.12	5.61
889-R11290	R11290	B	Red	625 nm	60	2.5 VDC	0.8 A	5.31	4.26	3.78	3.47
889-A11290	A11290	B	Amber	590 nm	75	2.5 VDC	0.8 A	5.31	4.26	3.78	3.47
889-G11290	G11290	B	Green	527 nm	93	3.5 VDC	0.8 A	9.49	7.61	6.75	6.19
889-B11290	B11290	B	Blue	460 nm	18	3.5 VDC	0.8 A	8.48	6.80	6.03	5.53
889-N32280	N32280	C	Warm White	3000K	55	3.5 VDC	0.8 A	6.70	5.38	4.77	4.37
889-S32280	S32280	C	Natural White	4000K	60	3.5 VDC	0.8 A	6.70	5.38	4.77	4.37
889-W32280	W32280	C	Pure White	6500K	80	3.5 VDC	0.8 A	6.70	5.38	4.77	4.37
889-R32280	R32280	C	Red	625 nm	60	2.5 VDC	0.8 A	5.06	4.06	3.60	3.30
889-A32280	A32280	C	Amber	590 nm	68	2.5 VDC	0.8 A	5.06	4.06	3.60	3.30
889-G32280	G32280	C	Green	527 nm	84	3.5 VDC	0.8 A	6.83	5.48	4.86	4.46
889-B32280	B32280	C	Blue	460 nm	16	3.5 VDC	0.8 A	6.58	5.28	4.68	4.29
889-N32282	N32282	D	Warm White	3000K	55	3.5 VDC	0.8 A	7.46	5.99	5.31	4.87
889-W32282	W32282	D	Pure White	6500K	80	3.5 VDC	0.8 A	7.46	5.99	5.31	4.87
889-R32282	R32282	D	Red	625 nm	60	2.5 VDC	0.8 A	5.82	4.67	4.14	3.80
889-A32282	A32282	D	Amber	590 nm	68	2.5 VDC	0.8 A	5.82	4.67	4.14	3.80
889-G32282	G32282	D	Green	527 nm	84	3.5 VDC	0.8 A	7.59	6.09	5.40	4.95
889-B32282	B32282	D	Blue	460 nm	16	3.5 VDC	0.8 A	7.34	5.89	5.22	4.79
889-N10292	N10292	E	Warm White	3000K	60	3.5 VDC	0.8 A	8.86	7.11	6.30	5.78
889-S10292	S10292	E	Natural White	4000K	70	3.5 VDC	0.8 A	8.98	7.21	6.39	5.86
889-W10292	W10292	E	Pure White	6500K	103	3.5 VDC	0.8 A	8.73	7.00	6.21	5.69
3.8 Watt LEDs											
889-W42180T	W42180-T	C	Pure White	6500K	70 - 90	3.2 VDC	1.0 A	10.68	10.07	8.39	6.86
889-W42180U	W42180-U	C	Pure White	6500K	91 - 118	3.2 VDC	1.0 A	14.18	12.15	10.13	8.11
889-W42182T	W42182T	D	Pure White	6500K	70 - 90	3.2 VDC	1.0 A	11.10	10.45	8.76	7.13
889-W42182U	W42182U	D	Pure White	6500K	91 - 118	3.2 VDC	1.0 A	14.63	12.52	10.51	8.48
5 Watt LEDs											
889-N10490	N10490	A	Warm White	3000K	120	3.5 VDC	1.6 A	15.94	12.79	11.34	10.40
889-W10490	W10490	A	Pure White	6500K	178	3.5 VDC	1.6 A	15.81	12.69	11.25	10.31
889-R10490	R10490	A	Red	625 nm	114	2.5 VDC	1.6 A	7.72	6.19	5.49	5.03
889-A10490	A10490	A	Amber	590 nm	144	2.5 VDC	1.6 A	7.72	6.19	5.49	5.03
889-G10490	G10490	A	Green	527 nm	189	3.5 VDC	1.6 A	15.94	12.79	11.34	10.40
889-B10490	B10490	A	Blue	460 nm	30	3.5 VDC	1.6 A	15.69	12.59	11.16	10.23
889-W11490	W11490	B	Pure White	6500K	178	3.5 VDC	1.6 A	16.45	13.20	11.70	10.73
889-R11490	R11490	B	Red	625 nm	114	2.5 VDC	1.6 A	8.35	6.70	5.94	5.45
889-A11490	A11490	B	Amber	590 nm	144	2.5 VDC	1.6 A	8.35	6.70	5.94	5.45
889-G11490	G11490	B	Green	527 nm	189	3.5 VDC	1.6 A	16.57	13.30	11.79	10.81
889-B11490	B11490	B	Blue	460 nm	30	3.5 VDC	1.6 A	16.32	13.09	11.61	10.64

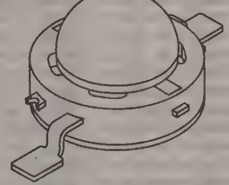
A



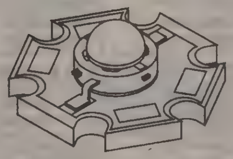
B



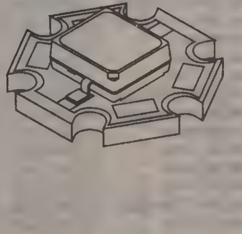
C



D



E



AVAGO Surface Mount and Thru-Hole LEDs

AVAGO TECHNOLOGIES

AVAGO SURFACE MOUNT LEDS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Color		Forward Voltage	Illum. Intensity (typ.)(mcd)	Peak Wavelength (nm)	Price Each			
			Source	Lens				1	10	50	100
630-HSMH-C190	HSMH-C190	0603	Red	Diffused	1.8	17	639	.24	.12	.08	.07
630-HSMS-C190	HSMS-C190	0603	Red	Diffused	2.1	10	626	.24	.12	.08	.07
630-HSMC-C190	HSMC-C190	0603	Red	Diffused	1.9	90	626	.45	.24	.20	.17
630-HSMA-C190	HSMA-C190	0603	Amber	Diffused	1.9	90	592	.45	.26	.20	.17
630-HSMY-C190	HSMY-C190	0603	Yellow	Diffused	2.1	8	586	.24	.12	.08	.07
630-HSMG-C190	HSMG-C190	0603	Green	Diffused	2.2	5	572	.24	.12	.08	.07
630-HSMF-C165	HSMF-C165	0603	Green	Diffused	2.2	15	572	.39	.21	.18	.15
630-HSMQ-C191	HSMQ-C191	0603	Green	Diffused	3.4	145	527	1.50	.75	.50	.45
630-HSMB-C190	HSMB-C190	0603	Blue	Diffused	3.8	6	466	.98	.63	.50	.45
630-HSMH-C170	HSMH-C170	0805	Red	Diffused	1.8	17	639	.24	.12	.08	.07
630-HSMC-S670	HSMC-S670	0805	Red	Diffused	1.9	197	630	.66	.39	.30	.27
630-HSMS-C170	HSMS-C170	0805	Red	Diffused	2.1	10	626	.24	.12	.08	.07
630-HSMC-C170	HSMC-C170	0805	Red	Diffused	1.9	90	626	.43	.24	.20	.17
630-HSMD-C170	HSMD-C170	0805	Orange	Diffused	2.2	8	604	.24	.12	.08	.07
630-HSMA-S670	HSMA-S670	0805	Amber	Diffused	1.9	480	592	.66	.39	.28	.27
630-HSMA-C170	HSMA-C170	0805	Amber	Diffused	1.9	90	592	.43	.24	.20	.17
630-HSMY-C170	HSMY-C170	0805	Yellow	Diffused	2.1	8	586	.24	.12	.08	.07
630-HSMG-C170	HSMG-C170	0805	Green	Diffused	2.2	15	572	.24	.12	.08	.07
630-HSMM-C170	HSMM-C170	0805	Green	Diffused	3.3	120	525	1.50	.75	.50	.45
630-HSMR-C170	HSMR-C170	0805	Blue	Diffused	3.4	55	473	.61	.41	.36	.31
630-HSMN-C170	HSMN-C170	0805	Blue	Diffused	3.3	35	470	.61	.41	.36	.31
630-HSMB-C170	HSMB-C170	0805	Blue	Diffused	3.8	6	466	.98	.63	.50	.45
630-HSMH-C150	HSMH-C150	1206	Red	Diffused	1.8	17	639	.24	.12	.08	.07
630-HSMS-C150	HSMS-C150	1206	Red	Diffused	2.1	10	626	.24	.12	.08	.07
630-HSMD-C150	HSMD-C150	1206	Orange	Diffused	2.2	8	604	.24	.12	.08	.07
630-HSMY-C150	HSMY-C150	1206	Yellow	Diffused	2.1	8	586	.24	.12	.08	.07
630-HSMG-C150	HSMG-C150	1206	Green	Diffused	2.2	8	572	.24	.12	.08	.07
630-HSMG-L640	HSMG-L640	1206	Green	Non-diffused	2.2	70	570	.60	.30	.20	.18
630-HSMQ-C150	HSMQ-C150	1206	Green	Diffused	3.4	145	527	.85	.56	.50	.43
630-HSMR-C150	HSMR-C150	1206	Blue	Diffused	3.4	55	473	.61	.41	.36	.31
630-HSMN-C150	HSMN-C150	1206	Blue	Diffused	3.3	35	470	.61	.41	.36	.31
630-HSMB-C150	HSMB-C150	1206	Blue	Diffused	3.8	6	466	.98	.63	.50	.45
630-HSMF-C155	HSMF-C155	1210	Green	Diffused	2.2	15	572	.39	.21	.14	.13
630-HSMF-C156	HSMF-C156	1210	Green	Diffused	2.2	15	572	.39	.21	.18	.15
630-HSMF-C118	HSMF-C118	1210	Green	Diffused	3.5	120	525	2.70	1.35	.90	.81
630-HSMC-C265	HSMC-C265	1305	Red	Non-diffused	1.9	75	626	.41	.24	.20	.16
630-HSMA-C265	HSMA-C265	1305	Amber	Non-diffused	1.9	75	592	.41	.24	.20	.16
630-HSMG-C265	HSMG-C265	1305	Green	Non-diffused	2.2	15	572	.40	.21	.18	.15
630-HSMZ-A100-R00J1	HSMZ-A100-R00J1	PLCC-2	Red	Epoxy	2.2	200	639	.63	.36	.31	.25
630-HSMS-A100-J00J1	HSMS-A100-J00J1	PLCC-2	Red	Epoxy	2.2	15	626	.23	.11	.08	.07
630-HSMC-A100-Q00J1	HSMC-A100-Q00J1	PLCC-2	Red	Epoxy	1.9	100	626	.29	.14	.10	.09
630-HSMC-A101-S00J1	HSMC-A101-S00J1	PLCC-2	Red	Epoxy	1.9	220	626	.40	.20	.13	.12
630-HSML-A101-S00J1	HSML-A101-S00J1	PLCC-2	Orange	Epoxy	1.9	220	605	.40	.20	.13	.12
630-HSMU-A100-R00J1	HSMU-A100-R00J1	PLCC-2	Amber	Epoxy	2.2	160	594	.60	.35	.30	.24
630-HSMG-A100-J02J1	HSMG-A100-J02J1	PLCC-2	Green	Epoxy	1.9	220	592	.23	.11	.08	.07
630-HSMA-A100-Q00J1	HSMA-A100-Q00J1	PLCC-2	Amber	Epoxy	1.9	100	590	.29	.14	.10	.09
630-HSMA-A101-S00J1	HSMA-A101-S00J1	PLCC-2	Amber	Epoxy	1.9	220	590	.44	.22	.15	.13
630-HSMM-A101-R00J1	HSMM-A101-R00J1	PLCC-2	Green	Epoxy	3.4	200	525	1.73	.86	.58	.52
630-HSMM-A100-S00J1	HSMM-A100-S00J1	PLCC-2	Green	Epoxy	3.4	350	525	1.29	.79	.66	.60
630-HSMN-A100-P00J1	HSMN-A100-P00J1	PLCC-2	Blue	Epoxy	3.4	50	470	1.08	.68	.54	.50
630-ASMC-PRB9-TV005	ASMC-PRB9-TV005	PLCC-4	Red	Epoxy	2.8	790	630	.90	.45	.30	.27
630-HSMS-C660	HSMS-C660	RA	Red	Diffused	1.9	5	639	.46	.27	.23	.18
630-HSMH-C110	HSMH-C110	RA	Red	Non-diffused	1.8	17	639	.24	.12	.08	.07
630-HSMS-C110	HSMS-C110	RA	Red	Non-diffused	2.1	10	626	.24	.12	.08	.07
630-HSMA-C110	HSMA-C110	RA	Amber	Non-diffused	1.9	95	592	.46	.27	.22	.18
630-HSMY-C660	HSMY-C660	RA	Yellow	Diffused	1.9	5	589	.54	.27	.18	.16
630-HSMY-C110	HSMY-C110	RA	Yellow	Non-diffused	2.1	10	586	.24	.12	.08	.07
630-HSMG-C110	HSMG-C110	RA	Green	Non-diffused	2.2	15	572	.24	.12	.08	.07
630-HSMG-C660	HSMG-C660	RA	Green	Diffused	1.9	595	570	.46	.27	.22	.18
630-HSMR-C110	HSMR-C110	RA	Blue	Non-diffused	3.4	60	473	1.08	.54	.36	.32

AVAGO THRU-HOLE LEDS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Color		Forward Voltage	Illum. Intensity (typ.)(mcd)	Peak Wavelength (nm)	Price Each			
			Source	Lens				1	10	50	100
630-HLMP-K150	HLMP-K150	T1	Red	Tinted, Diffused	1.8	2	645	.50	.30	.25	.20
630-HLMP-K155	HLMP-K155	T1	Red	Water Clear	1.8	3	645	.60	.35	.30	.24
630-HLMP-K101	HLMP-K101	T1	Red	Tinted, Diffused	1.8	45	645	.50	.30	.25	.20
630-HLMP-K105	HLMP-K105	T1	Red	Water Clear	1.8	65	645	.40	.24	.20	.16
630-HLMP-NG07	HLMP-NG07	T1	Red	Non-diffused	1.9	90.2	645	.40	.24	.20	.16
630-HLMP-1600	HLMP-1600	T1	Red	Tinted, Diffused	5	2.1	635	.72	.42	.38	.29
630-HLMP-1600-D00A2	HLMP-1600-D00A2	T1	Red	Tinted, Diffused	5	2.1	635	1.25	.75	.63	.50
630-HLMP-1601	HLMP-1601	T1	Red	Tinted, Diffused	12	2.2	635	.72	.42	.38	.29
630-HLMP-1700	HLMP-1700	T1	Red	Tinted, Diffused	1.7	2.3	635	.50	.30	.25	.20
630-HLMP-1700-B0002	HLMP-1700-B0002	T1	Red	Tinted, Diffused	1.7	2.3	635	.55	.33	.28	.22
630-HLMP-1700-B00A2	HLMP-1700-B00A2	T1	Red	Tinted, Diffused	1.7	2.3	635	1.00	.60	.50	.40
630-HLMP-1301-E00A1	HLMP-1301-E00A1	T1	Red	Diffused	1.9	3.4	635	.80	.48	.40	.32
630-HLMP-1301-E00A2	HLMP-1301-E00A2	T1	Red	Diffused	1.9	3.4	635	.80	.48	.40	.32
630-HLMP-1321	HLMP-1321	T1	Red	Tinted, Non-diffused	1.9	30	635	.30	.18	.15	.12
630-HLMP-1340	HLMP-1340	T1	Red	Tinted, Non-diffused	1.9	30	635	.40	.24	.20	.16
630-HLMP-1301	HLMP-1301	T1	Red	Tinted, Diffused	1.9	3.4	635	.30	.18	.15	.12
630-HLMP-1301-E0002	HLMP-1301-E0002	T1	Red	Tinted, Diffused	1.9	3.4	635	.35	.21	.18	.14
630-HLMA-KH00-J0000	HLMA-KH00-J0000	T1	Amber	Untinted, Non-diffused	1.9	200	615	.90	.54	.45	.36
630-HLMP-NL06	HLMP-NL06	T1	Amber	Non-diffused	1.9	90.2	600	.40	.24	.20	.16
630-HLMP-1401	HLMP-1401	T1	Yellow	Tinted, Diffused	2	2.2	585	.30	.18	.15	.12
630-HLMP-1440	HLMP-1440	T1	Yellow	Tinted, Non-diffused	2	45	585	.40	.24	.20	.16
630-HLMP-1719	HLMP-1719	T1	Yellow	Tinted, Diffused	1.8	2.1	585	.50	.30	.25	.20
630-HLMP-1719-A00A2	HLMP-1719-A00A2	T1	Yellow	Tinted, Diffused	1.8	2.1	585	1.00	.60	.50	.40
630-HLMP-1620	HLMP-1620	T1	Yellow	Tinted, Diffused	5	2.2	585	.72	.42	.38	.29
630-HLMP-1621	HLMP-1621	T1	Yellow	Tinted, Diffused	12	2.2	585	.76	.45	.40	.31

AVAGO Thru-Hole LEDs

AVAGO THRU-HOLE LEDS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Color		Forward Voltage	Illum. Intensity (typ.)(mcd)	Peak Wavelength (nm)	Price Each			
			Source	Lens				1	10	50	100
630-HLMP-1401-D00A1	HLMP-1401-D00A1	T1	Yellow	Diffused	2	3.6	585	.80	.48	.40	.32
630-HLMP-1401-D00A2	HLMP-1401-D00A2	T1	Yellow	Diffused	2	3.6	585	.80	.48	.40	.32
630-HLMP-1420	HLMP-1420	T1	Yellow	Tinted, Non-diffused	2	15	585	.50	.30	.25	.20
630-HLMP-1421	HLMP-1421	T1	Yellow	Tinted, Non-diffused	2	15	585	.30	.18	.15	.12
630-HLMP-1503	HLMP-1503	T1	Green	Tinted, Diffused	2.1	1	565	.30	.18	.15	.12
630-HLMP-1640	HLMP-1640	T1	Green	Tinted, Diffused	5	1.6	565	.72	.42	.38	.29
630-HLMP-1640-B00A1	HLMP-1640-B00A1	T1	Green	Tinted, Diffused	5	1.6	565	1.25	.75	.63	.50
630-HLMP-1640-B00A2	HLMP-1640-B00A2	T1	Green	Tinted, Diffused	5	1.6	565	1.25	.75	.63	.50
630-HLMP-1641	HLMP-1641	T1	Green	Tinted, Diffused	12	1.6	565	.72	.42	.38	.29
630-HLMP-1790	HLMP-1790	T1	Green	Tinted, Diffused	1.9	2.3	565	.50	.30	.25	.20
630-HLMP-1790-A0002	HLMP-1790-A0002	T1	Green	Tinted, Diffused	1.9	2.3	565	.55	.33	.28	.22
630-HLMP-1790-A00A2	HLMP-1790-A00A2	T1	Green	Tinted, Diffused	1.9	2.3	565	1.00	.60	.50	.40
630-HLMP-1503-C00A1	HLMP-1503-C00A1	T1	Green	Diffused	2.1	2.6	565	.80	.48	.40	.32
630-HLMP-1503-C00A2	HLMP-1503-C00A2	T1	Green	Diffused	2.1	2.6	565	.80	.48	.40	.32
630-HLMP-1503-D0000	HLMP-1503-D0000	T1	Green	Tinted, Diffused	2.1	4.2	565	.35	.21	.18	.14
630-HLMP-1520	HLMP-1520	T1	Green	Tinted, Non-diffused	2.1	22	565	.50	.30	.25	.20
630-HLMP-1521	HLMP-1521	T1	Green	Tinted, Non-diffused	2.1	22	565	.30	.18	.15	.12
630-HLMP-1540	HLMP-1540	T1	Green	Untinted, Non-diffused	2.1	45	565	.40	.24	.20	.16
630-HLMP-K600	HLMP-K600	T1	Emld Green	Diffused	2.1	1	558	.50	.30	.25	.20
630-HLMP-4000	HLMP-4000	T1-3/4	Green/Red	Diffused	2.2 / 1.9	2.1 / 2.6	568 / 635	.72	.42	.38	.29
630-HLMP-4000-010	HLMP-4000#010	T1-3/4	Green/Red	Diffused	2.2 / 1.9	2.1 / 2.6	568 / 635	1.25	.75	.63	.50
630-HLMP-4101	HLMP-4101	T1-3/4	Red	-	1.8	1000	650	.60	.35	.30	.24
630-HLMP-D150	HLMP-D150	T1-3/4	Red	Tinted, Diffused	1.6	3	645	.50	.30	.25	.20
630-HLMP-D155	HLMP-D155	T1-3/4	Red	Non-diffused	1.6	10	645	.60	.35	.30	.24
630-HLMP-D101	HLMP-D101	T1-3/4	Red	Tinted, Diffused	1.8	70	645	.40	.24	.20	.16
630-HLMP-D105	HLMP-D105	T1-3/4	Red	Non-diffused	1.8	240	645	.40	.24	.20	.16
630-HLMP-C115	HLMP-C115	T1-3/4	Red	Non-diffused	2.2	600	645	.60	.35	.30	.24
630-HLMP-3301-D0000	HLMP-3301-D0000	T1-3/4	Red	Tinted, Diffused	1.9	2.1	635	.35	.21	.18	.14
630-HLMP-3301-D0002	HLMP-3301-D0002	T1-3/4	Red	Tinted, Diffused	1.9	2.1	635	.35	.21	.18	.14
630-HLMP-3301-D00B2	HLMP-3301-D00B2	T1-3/4	Red	Tinted, Diffused	1.9	2.1	635	.80	.48	.40	.32
630-HLMP-3351-D0000	HLMP-3351-D0000	T1-3/4	Red	Tinted, Diffused	1.9	2.1	635	.65	.39	.33	.26
630-HLMP-3600	HLMP-3600	T1-3/4	Red	Tinted, Diffused	5	2.1	635	.72	.42	.38	.29
630-HLMP-3600-D00B2	HLMP-3600-D00B2	T1-3/4	Red	Tinted, Diffused	5	2.1	635	1.25	.75	.63	.50
630-HLMP-3601	HLMP-3601	T1-3/4	Red	Tinted, Diffused	5	2.1	635	.72	.42	.38	.29
630-HLMP-3301	HLMP-3301	T1-3/4	Red	Tinted, Diffused	1.9	5.4	635	.30	.18	.15	.12
630-HLMP-3301-F0002	HLMP-3301-F0002	T1-3/4	Red	Tinted, Diffused	1.9	5.4	635	.35	.21	.18	.14
630-HLMP-3301-F00B2	HLMP-3301-F00B2	T1-3/4	Red	Tinted, Diffused	1.9	5.4	635	.80	.48	.40	.32
630-HLMP-3351	HLMP-3351	T1-3/4	Red	Tinted, Diffused	1.9	5.4	635	.60	.35	.30	.24
630-HLMP-3762	HLMP-3762	T1-3/4	Red	Tinted, Diffused	1.9	8.6	635	.60	.35	.30	.24
630-HLMP-3366	HLMP-3366	T1-3/4	Red	Tinted, Non-diffused	1.9	13.8	635	.60	.35	.30	.24
630-HLMP-3316	HLMP-3316	T1-3/4	Red	Non-diffused	1.9	22	635	.30	.18	.15	.12
630-HLMP-3390	HLMP-3390	T1-3/4	Red	Non-diffused	1.9	55	635	.60	.35	.30	.24
630-HLMP-C223	HLMP-C223	T1-3/4	Red	Non-diffused	1.9	90.2	635	.60	.35	.30	.24
630-HLMP-3750	HLMP-3750	T1-3/4	Red	Non-diffused	1.9	125	635	.60	.35	.30	.24
630-HLMP-3750-L00B2	HLMP-3750-L00B2	T1-3/4	Red	Non-diffused	1.9	125	635	1.10	.66	.55	.44
630-HLMP-C215	HLMP-C215	T1-3/4	Red	Non-diffused	1.9	138	635	.60	.35	.30	.24
630-HLMP-C625-P0000	HLMP-C625-P0000	T1-3/4	Red	Water Clear	1.9	700	635	.35	.21	.18	.14
630-HLMP-C025-P0000	HLMP-C025-P0000	T1-3/4	Red	Untinted, Non-diffused	1.9	1000	635	.35	.21	.18	.14
630-HLMP-C008-U0000	HLMP-C008-U0000	T1-3/4	Red	Untinted, Non-diffused	1.9	6000	635	.35	.21	.18	.14
630-HLMP-ED31-RU000	HLMP-ED31-RU000	T1-3/4	Red	Water Clear	2	1150	630	.80	.48	.43	.33
630-HLMP-ED31-SV000	HLMP-ED31-SV000	T1-3/4	Red	Water Clear	2	5500	630	.80	.48	.43	.33
630-HLMP-ED33-SV000	HLMP-ED33-SV000	T1-3/4	Red	Water Clear	2	5500	630	.80	.48	.43	.33
630-HLMP-ED16-TW000	HLMP-ED16-TW000	T1-3/4	Red	Water Clear	2	7200	630	.76	.45	.40	.31
630-HLMP-ED25-TW000	HLMP-ED25-TW000	T1-3/4	Red	Water Clear	2	7200	630	.83	.50	.45	.35
630-HLMP-ED27-TW000	HLMP-ED27-TW000	T1-3/4	Red	Water Clear	2	7200	630	.83	.50	.45	.35
630-HLMP-4700	HLMP-4700	T1-3/4	Red	Tinted, Diffused	1.8	2.3	630	.50	.30	.25	.20
630-HLMP-4700-C00B2	HLMP-4700-C00B2	T1-3/4	Red	Tinted, Diffused	1.8	2.3	630	1.00	.60	.50	.40
630-HLMP-EG30-NR000	HLMP-EG30-NR000	T1-3/4	Red	Water Clear	2	1900	630	.60	.35	.30	.24
630-HLMP-EG24-PS000	HLMP-EG24-PS000	T1-3/4	Red	Water Clear	2	2500	630	.50	.30	.25	.20
630-HLMP-EG15-RU000	HLMP-EG15-RU000	T1-3/4	Red	Water Clear	2	4200	630	.60	.35	.30	.24
630-HLMP-EG08-Y2000	HLMP-EG08-Y2000	T1-3/4	Red	Water Clear	2	12000	630	.69	.41	.35	.28
630-HLMP-EG08-WZ000	HLMP-EG08-WZ000	T1-3/4	Red	Water Clear	2	16000	630	.60	.35	.30	.24
630-HLMP-EG08-X1000	HLMP-EG08-X1000	T1-3/4	Red	Water Clear	2	21000	630	.65	.38	.33	.26
630-HLMP-EH31-SV000	HLMP-EH31-SV000	T1-3/4	Red-Orange	Water Clear	2	4200	615	.83	.50	.45	.35
630-HLMP-EH16-UX000	HLMP-EH16-UX000	T1-3/4	Red-Orange	Water Clear	2	9300	615	.83	.50	.45	.35
630-HLMP-D401	HLMP-D401	T1-3/4	Orange	Tinted, Diffused	1.9	5.4	600	.30	.18	.15	.12
630-HLMP-C415	HLMP-C415	T1-3/4	Orange	Non-diffused	1.9	138	600	.60	.35	.30	.24
630-HLMP-EL25-SV000	HLMP-EL25-SV000	T1-3/4	Amber	Water Clear	2	5500	592	.80	.48	.43	.33
630-HLMP-EL31-SV000	HLMP-EL31-SV000	T1-3/4	Amber	Water Clear	2	5500	592	.80	.48	.43	.33
630-HLMP-EL33-SV000	HLMP-EL33-SV000	T1-3/4	Amber	Water Clear	2	5500	592	.80	.48	.43	.33
630-HLMP-EL27-TW000	HLMP-EL27-TW000	T1-3/4	Amber	Water Clear	2	7200	592	.80	.48	.43	.33
630-HLMP-EL16-VY000	HLMP-EL16-VY000	T1-3/4	Amber	Water Clear	2	12000	592	.80	.48	.43	.33
630-HLMP-EL30-LP000	HLMP-EL30-LP000	T1-3/4	Amber	Water Clear	2	310	590	.60	.35	.30	.24
630-HLMP-EL30-PR400	HLMP-EL30-PR400	T1-3/4	Amber	Water Clear	2	1900	590	.75	.45	.38	.30
630-HLMP-EL30-PS000	HLMP-EL30-PS000	T1-3/4	Amber	Water Clear	2	2500	590	.65	.38	.33	.26
630-HLMP-C208-S0000	HLMP-C208-S0000	T1-3/4	Amber	Untinted, Non-diffused	1.9	3000	590	.35	.21	.18	.14
630-HLMP-EL08-VY000	HLMP-EL08-VY000	T1-3/4	Amber	Water Clear	2	12000	590	.60	.35	.30	.24
630-HLMP-C323	HLMP-C323	T1-3/4	Yellow	Non-diffused	2.1	96.2	585	.60	.35	.30	.24
630-HLMP-4719	HLMP-4719	T1-3/4	Yellow	Tinted, Diffused	1.8	2.1	585	.50	.30	.25	.20
630-HLMP-3650	HLMP-3650	T1-3/4	Yellow	Tinted, Diffused	5	1.2	585	.72	.42	.38	.29
630-HLMP-3650-C00B2	HLMP-3650-C00B2	T1-3/4	Yellow	Tinted, Diffused	5	2.2	585	1.25	.75	.63	.50
630-HLMP-3651	HLMP-3651	T1-3/4	Yellow	Tinted, Diffused	12	2.2	585	.72	.42	.38	.29
630-HLMP-3401	HLMP-3401	T1-3/4	Yellow	Tinted, Diffused	2	5.7	585	.30	.18	.15	.12
630-HLMP-3401-E00B2	HLMP-3401-E00B2	T1-3/4	Yellow	Tinted, Diffused	2	5.7	585	.80	.48	.40	.32
630-HLMP-3862	HLMP-3862	T1-3/4	Yellow	Tinted, Diffused	2	9.2	585	.60	.35	.30	.24
630-HLMP-3451	HLMP-3451	T1-3/4	Yellow	Tinted, Diffused	2	13.8	585	.60	.35	.30	.24
630-HLMP-3416	HLMP-3416	T1-3/4	Yellow	Non-diffused	2	14.7	585	.30	.18	.15	.12
630-HLMP-3490	HLMP-3490	T1-3/4	Yellow	Tinted, Diffused	2	55	585	.60	.35	.30	.24
630-HLMP-3850	HLMP-3850	T1-3/4	Yellow	Non-diffused	2	140	585	.60	.35	.30	.24
630-HLMP-C315	HLMP-C315	T1-3/4	Yellow	Non-diffused	2.1	147	585	.60	.35	.30	.24

AVAGO Thru-Hole LEDs and LED Arrays

AVAGO THRU-HOLE LEDS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Color		Forward Voltage	Illum. Intensity (typ.)(mcd)	Peak Wavelength (nm)	Price Each			
			Source	Lens				1	10	50	100
630-HLMP-C523	HLMP-C523	T1-3/4	Green	Non-diffused	2.2	69.8	565	.60	.35	.30	.24
630-HLMP-C515	HLMP-C515	T1-3/4	Green	Non-diffused	2.2	170	565	.60	.35	.30	.24
630-HLMP-3680	HLMP-3680	T1-3/4	Green	Tinted, Diffused	5	1.6	565	.72	.42	.38	.29
630-HLMP-3680-B00B2	HLMP-3680-B00B2	T1-3/4	Green	Tinted, Diffused	5	1.6	565	1.25	.75	.63	.50
630-HLMP-4740	HLMP-4740	T1-3/4	Green	Tinted, Diffused	1.8	2.3	565	.50	.30	.25	.20
630-HLMP-4740-A00B2	HLMP-4740-A00B2	T1-3/4	Green	Tinted, Diffused	1.8	2.3	565	1.00	.60	.50	.40
630-HLMP-3507	HLMP-3507	T1-3/4	Green	Tinted, Diffused	2.1	4.2	565	.30	.18	.15	.12
630-HLMP-3507-D0002	HLMP-3507-D0002	T1-3/4	Green	Tinted, Diffused	2.1	4.2	565	.55	.33	.28	.22
630-HLMP-3507-D00B2	HLMP-3507-D00B2	T1-3/4	Green	Tinted, Diffused	2.1	4.2	565	1.00	.60	.50	.40
630-HLMP-3554	HLMP-3554	T1-3/4	Green	Tinted, Non-diffused	2.1	6.7	565	.60	.35	.30	.24
630-HLMP-3519	HLMP-3519	T1-3/4	Green	Non-diffused	2.1	10.6	565	.30	.18	.15	.12
630-HLMP-3568	HLMP-3568	T1-3/4	Green	Tinted, Non-diffused	2.1	10.6	565	.60	.35	.30	.24
630-HLMP-3962	HLMP-3962	T1-3/4	Green	Non-diffused	2.2	10.6	565	.60	.35	.30	.24
630-HLMP-3590	HLMP-3590	T1-3/4	Green	Tinted, Diffused	2.2	55	565	.60	.35	.30	.24
630-HLMP-3950	HLMP-3950	T1-3/4	Green	Non-diffused	2.2	265	565	.60	.35	.30	.24
630-HLMP-3950-K00B2	HLMP-3950-K00B2	T1-3/4	Green	Non-diffused	2.2	265	565	1.10	.66	.55	.44
630-HLMP-CM15-S0000	HLMP-CM15-S0000	T1-3/4	Green	Water Clear	3.8	526	526	1.33	.84	.70	.63
630-HLMP-CM30-M0000	HLMP-CM30-M0000	T1-3/4	Green	Water Clear	3.8	1900	526	1.33	.84	.70	.63
630-HLMP-CM30-S0000	HLMP-CM30-S0000	T1-3/4	Green	Water Clear	3.8	1900	526	1.62	1.04	.90	.79
630-HLMP-CM15-W0000	HLMP-CM15-W0000	T1-3/4	Green	Water Clear	3.8	5500	526	1.62	1.04	.90	.79
630-HLMP-CB30-K0000	HLMP-CB30-K0000	T1-3/4	Blue	Water Clear	3.8	310	472	1.33	.84	.70	.63
630-HLMP-CB30-M0000	HLMP-CB30-M0000	T1-3/4	Blue	Water Clear	3.8	520	472	1.33	.84	.70	.63
630-HLMP-CB15-R0000	HLMP-CB15-R0000	T1-3/4	Blue	Water Clear	3.8	1500	472	1.33	.84	.70	.63
630-HLMP-CB15-P0000	HLMP-CB15-P0000	T1-3/4	Blue	Water Clear	3.8	800	470	1.33	.84	.70	.63
630-HLMP-FW00-JM000	HLMP-FW00-JM000	T1-3/4	White	Water Clear	3.8	680	-	1.80	1.08	.90	.72
630-HLMP-CW16-R0000	HLMP-CW16-R0000	T1-3/4	White	Water Clear	3.8	1500	-	1.48	.96	.80	.70
630-HLMP-FW66-MQ000	HLMP-FW66-MQ000	T1-3/4	White	Water Clear	3.2	1500	-	1.05	.78	.71	.65
630-HLMP-FW67-MQ000	HLMP-FW67-MQ000	T1-3/4	White	Water Clear	3.2	1500	-	1.05	.78	.71	.65
630-HLMP-CW30-PS000	HLMP-CW30-PS000	T1-3/4	White	Water Clear	3.8	2500	-	1.33	.84	.70	.63
630-HLMP-CW46-ST000	HLMP-CW46-ST000	T1-3/4	White	Water Clear	3.2	3200	-	2.20	1.32	1.10	.88
630-HLMP-CW30-SV000	HLMP-CW30-SV000	T1-3/4	White	Water Clear	3.8	5500	-	1.37	.87	.76	.67
630-HLMP-CW15-TW000	HLMP-CW15-TW000	T1-3/4	White	Water Clear	3.8	7200	-	1.33	.84	.70	.63
630-HLMP-CW15-VY000	HLMP-CW15-VY000	T1-3/4	White	Water Clear	3.8	12000	-	1.85	1.11	.93	.74
630-HLMP-AM86-TW0ZZ	HLMP-AM86-TW0ZZ	5mm Oval	Green	Tinted, Diffused	3.3	7200	525	1.48	.91	.76	.68
630-HLMP-AM87-TW000	HLMP-AM87-TW000	5mm Oval	Green	Tinted, Diffused	3.3	7200	525	.93	.69	.63	.57
630-HLMP-AB86-MQ0ZZ	HLMP-AB86-MQ0ZZ	5mm Oval	Blue	Tinted, Diffused	3.3	1500	470	1.48	.91	.76	.68
630-HLMP-AB87-MQ000	HLMP-AB87-MQ000	5mm Oval	Blue	Tinted, Diffused	3.3	1500	470	.93	.69	.63	.57
630-HLMP-0800	HLMP-0800	Rectanglar	Green/Red	Diffused	2.2 / 1.9	2.1 / 2.6	568 / 635	.95	.57	.55	.42
630-HLMP-S201-D0000	HLMP-S201-D0000	Rectanglar	Red	Tinted, Diffused	1.9	6.5	645	.30	.18	.15	.12
630-HLMP-S100	HLMP-S100	Rectanglar	Red	Tinted, Diffused	1.9	7.5	645	.50	.30	.25	.20
630-HLMP-S201	HLMP-S201	Rectanglar	Red	Tinted, Diffused	1.9	7.5	645	.30	.18	.15	.12
630-HLMP-0301	HLMP-0301	Rectanglar	Red	Tinted, Diffused	1.9	2.1	635	.90	.52	.50	.38
630-HLMP-0401	HLMP-0401	Rectanglar	Yellow	Tinted, Diffused	2.1	3.6	583	.90	.52	.50	.38
630-HLMP-S301	HLMP-S301	Rectanglar	Yellow	Tinted, Diffused	2.1	4	583	.30	.18	.15	.12
630-HLMP-0504	HLMP-0504	Rectanglar	Green	Tinted, Diffused	2.2	1.6	565	.90	.52	.50	.38
630-HLMP-S501-C0000	HLMP-S501-C0000	Rectanglar	Green	Tinted, Diffused	2.2	4	565	.30	.18	.15	.12
630-HLMP-S501	HLMP-S501	Rectanglar	Green	Tinted, Diffused	2.2	8	565	.30	.18	.15	.12

AVAGO LED ARRAYS

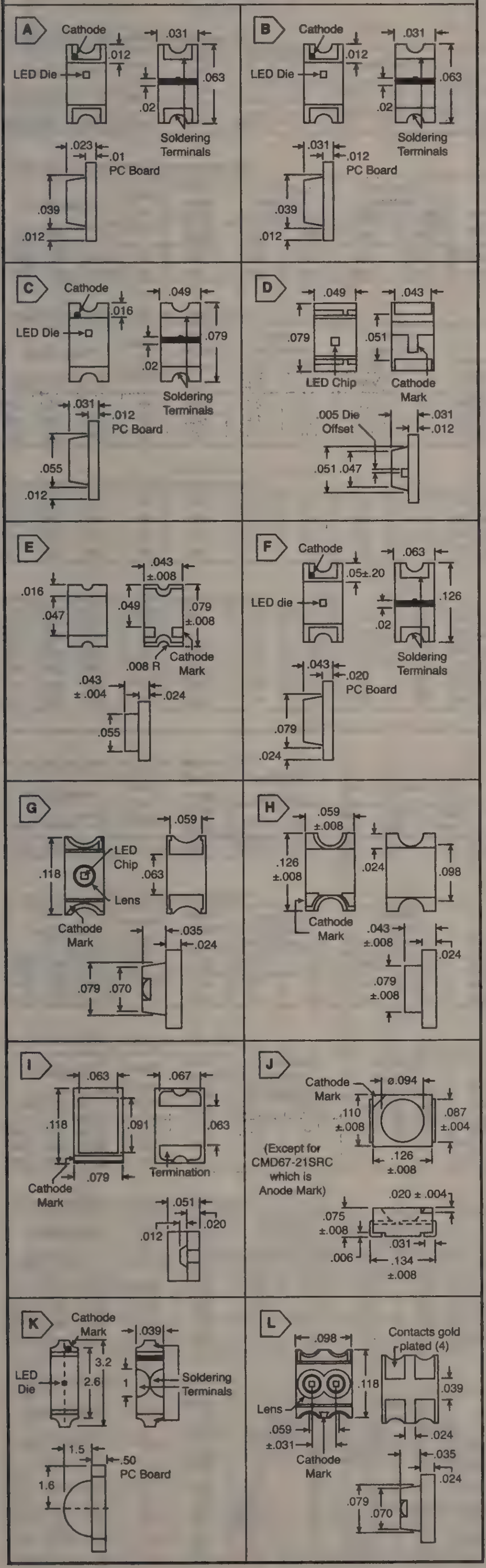
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Color	Elements	Voltage	Current (mA)	Typical (mcd)	Price Each			
							1	10	50	100
630-HLCP-A100	HLCP-A100	Red	1	1.8	20	7.5	1.89	1.26	1.89	1.07
630-HLMP-2300	HLMP-2300	Red	1	2	20	7.5	1.50	1.00	1.50	.85
630-HLMP-2350-EF000	HLMP-2350-EF000	Red	1	1.8	20	10.9	2.79	1.86	1.72	1.58
630-HLCP-B100	HLCP-B100	Red	1	1.8	20	15	3.09	2.06	1.91	1.75
630-HLMP-2400	HLMP-2400	Yellow	1	2.1	20	20	1.50	1.00	1.50	.85
630-HLMP-2300-EF000	HLMP-2300-EF000	Yellow	1	2.6	20	23	1.65	1.10	1.02	.94
630-HLMP-2400-EF000	HLMP-2400-EF000	Yellow	1	2.1	20	25	1.65	1.10	1.02	.94
630-HLMP-2500	HLMP-2500	Green	1	2.2	20	25	1.50	1.00	1.50	.85
630-HLMP-2500-FG000	HLMP-2500-FG000	Green	1	2.6	20	25	1.65	1.10	1.02	.94
630-HLMP-2450	HLMP-2450	Yellow	1	2.1	20	38	2.55	1.70	2.55	1.45
630-HLMP-2755	HLMP-2755	Yellow	1	2.1	20	38	2.25	1.50	2.25	1.28
630-HLMP-2350	HLMP-2350	Red	1	2	20	45	2.55	1.70	2.55	1.45
630-HLMP-2655	HLMP-2655	Red	1	2	20	45	2.25	1.50	2.25	1.28
630-HLMP-2965	HLMP-2965	Red/Green	1	2	20	45	5.35	3.86	5.35	3.17
630-HLMP-2450-EF000	HLMP-2450-EF000	Yellow	1	2.1	20	50	2.79	1.86	1.72	1.58
630-HLMP-2550	HLMP-2550	Green	1	2.2	20	50	2.55	1.70	2.55	1.45
630-HLMP-2855	HLMP-2855	Green	1	2.2	20	50	2.25	1.50	2.25	1.28
630-HLMP-2655-EF000	HLMP-2655-EF000	Red	1	2	20	54	2.49	1.66	1.54	1.41
630-HLMP-2785	HLMP-2785	Yellow	1	2.1	20	70	3.63	2.50	3.63	2.04
630-HLMP-2550-FG000	HLMP-2550-FG000	Green	1	2.1	20	76.2	2.79	1.86	1.72	1.58
630-HLMP-2685	HLMP-2685	Red	1	2	20	80	3.63	2.50	3.63	2.04
630-HLMP-2685-EF000	HLMP-2685-EF000	Red	1	2	20	91	4.11	2.74	2.53	2.33
630-HLMP-2785-EF000	HLMP-2785-EF000	Yellow	1	2.1	20	99	4.11	2.74	2.53	2.33
630-HLMP-2885	HLMP-2885	Green	1	2.2	20	100	3.63	2.50	3.63	2.04
630-HLMP-2885-FG000	HLMP-2885-FG000	Green	1	2	20	150	4.11	2.74	2.53	2.33
630-HLMP-2600	HLMP-2600	Red	2	2	20	23	2.25	1.50	1.39	1.28
630-HLMP-2800	HLMP-2800	Green	2	2.2	20	25	2.25	1.50	1.39	1.28
630-HLMP-2635	HLMP-2635	Red	2	2	20	45	3.75	2.50	2.31	2.13
630-HLCP-E100	HLCP-E100	Red	4	1.8	20	7.5	4.18	2.88	4.18	2.35
630-HLMP-2720	HLMP-2720	Yellow	4	2.1	20	20	3.63	2.50	3.63	2.04
630-HLMP-2620	HLMP-2620	Red	4	2	20	23	3.63	2.50	3.63	2.04
630-HLMP-2820	HLMP-2820	Green	4	2.2	20	25	3.63	2.50	3.63	2.04
630-HLCP-J100	HLCP-J100	Red	10	1.6	20	1	6.19	4.52	6.19	3.69
630-HDSP-4840	HDSP-4840	Yellow	10	2.2	10	1.9	6.19	4.52	6.19	3.69
630-HDSP-4850	HDSP-4850	Green	10	2.1	10	1.9	6.19	4.52	6.19	3.69
630-HDSP-4830	HDSP-4830	Red	10	2.1	10	3.5	5.20	3.80	5.20	3.10
630-HDSP-4832	HDSP-4832	R/Y/G	10	2.1	10	3.5	6.53	4.83	6.53	3.99
630-HDSP-4836	HDSP-4836	R/Y/G	10	2.1	10	3.5	6.53	4.83	6.53	3.99

CHICAGO MINIATURE Surface Mount LED Lamps

RoHS Compliant This page of product is compliant.

DIMENSIONS: in.


A
Cathode
LED Die
.031
.012
.063
.02
Soldering Terminals
.023
.01
PC Board
.039
.012
B
Cathode
LED Die
.031
.012
.063
.02
Soldering Terminals
.031
.012
PC Board
.039
.012
C
Cathode
LED Die
.049
.016
.079
.02
Soldering Terminals
.031
.012
PC Board
.055
.012
D
.049
.043
.079
.051
LED Chip
Cathode Mark
.005 Die Offset
.031
.012
.051 .047
E
.043 ±.008
.016
.047
.049
.079 ±.008
.008 R
Cathode Mark
.043 ± .004
.024
.055
F
Cathode
.063
.05±.20
LED die
.126
.02
Soldering Terminals
.043
.020
PC Board
.079
.024
G
.059
LED Chip
.118
.063
Lens
Cathode Mark
.035
.024
.079 .070
H
.059 ±.008
.126 ±.008
.024
.098
Cathode Mark
.043 ±.008
.024
.079 ±.008
I
.063
.067
.118
.091
.063
Termination
.079
Cathode Mark
.051
.012
.020
J
Cathode Mark
ø.094
.110 ±.008
.087 ±.004
(Except for CMD67-21SRC which is Anode Mark)
.126 ±.008
.020 ± .004
.075 ±.008
.031
.006
.134 ±.008
K
Cathode Mark
.039
LED Die
3.2
2.6
1
Soldering Terminals
1.5
.50
PC Board
1.6
L
.098
Contacts gold plated (4)
.118
.039
Lens
.059 ±.031
.024
Cathode Mark
.035
.024
.079
.070

SURFACE MOUNT LED LAMPS

0603 Size

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
Low Profile, High Brightness												
607-CMDA19DR7D1S	A	Red	Clear Diff	1.8	2.6	6.3	17	660	170°	.27	.19	.17
607-CMDA19AR7D1S	A	Red	Clear Diff	1.9	2.4	25	90	637	170°	.30	.22	.18
607-CMDA19BR7D1S	A	Hi-Eff Red	Clear Diff	2.1	2.6	2.5	10	630	170°	.27	.19	.17
607-CMDA19AY7D1S	A	Green	Clear Diff	2.2	2.6	4	15	570	170°	.27	.19	.17
607-CMDA19AG7D1S	A	Green	Clear Diff	3.4	3.9	40	145	520	140°	3.22	2.27	1.80
607-CMDA19CB7D1S	A	Blue	Clear Diff	3.4	3.9	16	55	469	140°	3.22	2.27	1.80
High Brightness												
607-CMDA6DR7D1S	B	Red	Clear Diff	1.8	2.6	6.3	17	660	170°	.27	.19	.17
607-CMDA6AR7D1S	B	Red	Clear Diff	1.9	2.4	25	90	637	170°	.30	.22	.18
607-CMDA6BR7D1S	B	Hi-Eff Red	Clear Diff	2.1	2.6	2.5	10	630	170°	.27	.19	.17
607-CMDA6AY7D1S	B	Green	Clear Diff	2.2	2.6	4	15	570	170°	.27	.19	.17
607-CMDA6AG7D1S	B	Green	Clear Diff	3.4	3.9	40	145	520	140°	3.22	2.27	1.80
607-CMDA6CB7D1S	B	Blue	Clear Diff	3.4	3.9	16	55	469	140°	3.22	2.27	1.80

0805 Size

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
High Brightness												
607-CMDA5DR7D1S	C	Red	Clear Diff	1.8	2.6	6.3	17	660	170°	.27	.19	.17
607-CMDA5AR7D1S	C	Red	Clear Diff	1.9	2.4	25	90	637	170°	.30	.22	.18
607-CMDA5BR7D1S	C	Hi-Eff Red	Clear Diff	2.1	2.6	2.5	10	630	170°	.27	.19	.17
607-CMDA5DY7D1S	C	Amber	Clear Diff	1.9	2.4	25	90	595	170°	.30	.22	.18
607-CMDA5AG7D1S	C	Green	Clear Diff	3.4	3.9	40	145	520	140°	3.22	2.27	1.80
607-CMDA5CB7D1S	C	Blue	Clear Diff	3.4	3.9	16	55	469	140°	3.22	2.27	1.80
SMD LED Lamps												
606-7012X1	D	Red	Clear Diff	1.7	2.0	7.0	11.7	660	120°	.42	.31	.26
606-7012X13	D	Yellow	Clear Diff	2.2	2.5	2.2	3.7	580	120°	.42	.31	.26
606-7012X5	D	Green	Clear Diff	2.1	2.5	3.8	6.4	560	120°	.42	.31	.26
606-CMD17-21SRC	E	Red	Clear	1.7	2.4	10.0	21.0	660	140°	.43	.32	.27
606-CMD17-21VRC	E	H.E. Red	Clear	2.0	2.8	4.5	13.0	640	140°	.26	.19	.16
606-CMD17-21VYC	E	Yellow	Clear	2.0	2.8	5.0	12.0	585	140°	.26	.19	.16
606-CMD17-21VGC	E	Green	Clear	2.1	2.8	6.0	10.0	570	140°	.26	.19	.16
606-CMD17-21UGC	E	Green	Clear	2.1	2.8	8.0	15.0	570	140°	.29	.21	.18

1206 Size

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
High Brightness												
607-CMDA2DR7D1S	F	Red	White Diff	1.8	2.6	6.3	17	660	170°	.27	.19	.17
607-CMDA2AR7D1S	F	Red	White Diff	1.9	2.4	25	90	637	170°	.35	.25	.19
607-CMDA2BR7D1S	F	Hi-Eff Red	White Diff	2.1	2.6	2.5	10	630	170°	.27	.19	.17
607-CMDA2DY7D1S	F	Amber	White Diff	1.9	2.4	25	90	595	170°	.35	.25	.19
607-CMDA2AY7D1S	F	Green	White Diff	2.2	2.6	4	15	570	170°	.27	.19	.17
607-CMDA2AG7D1S	F	Blue	White Diff	3.4	3.9	16	55	469	140°	3.22	2.27	1.80
SMD LED Lamps												
606-7010X11	G	Red	Clear	1.7	2.0	6.0	17.0	660	70°	.48	.36	.30
606-7010X1	G	Red	Clear	2.0	2.5	3.5	6.0	630	70°	.48	.36	.30
606-7010X3	G	Orange	Clear	2.2	2.5	5.0	9.0	605	70°	.48	.36	.30
606-7010X7	G	Yellow	Clear	2.1	2.5	6.0	12.0	570	70°	.48	.36	.30
606-7010X5	G	Green	Clear	2.1	2.5	3.0	7.5	560	70°	.48	.36	.30
606-CMD15-21SRC	H	Red	Clear	1.7	2.4	6.0	15.0	660	140°	.39	.28	.24
606-CMD15-21VRC	H	H.E. Red	Clear	2.0	2.8	3.6	6.0	640	140°	.30	.22	.19
606-CMD15-21VYC	H	Yellow	Clear	2.0	2.8	3.6	6.0	585	140°	.32	.24	.20
606-CMD15-21VGC	H	Green	Clear	2.1	2.8	6.0	10.0	570	140°	.29	.21	.18
606-CMD15-21UGC	H	Green	Clear	2.1	2.8	7.0	12.0	565	140°	.35	.26	.22
606-CMD15-21UBC	H	Blue	Clear	4.9	5.5	19.0	45.0	430	140°	2.94	2.16	1.82

1208 Size

606-7016X1	I	Red	Clear	2.0	2.8	2.2	6.3	650	110°	.39	.29	.25
606-7016X13	I	Amber	Clear	2.0	2.8	2.2	6.3	610	110°	.39	.29	.25
606-7016X3	I	Yellow	Clear	2.1	2.8	2.2	6.3	585	110°	.39	.29	.25
606-7016X5	I	Green	Clear	2.2	2.8	5.6	16.0	563	110°	.39	.29	.25

PLCC-2

606-CMD67-21SRC	J	Red	Clear	1.7	2.4	25	40	660	120°	.54	.39	.33
606-CMD67-21VRC	J	H.E. Red	Clear	2.0	2.8	6.0	10	640	120°	.48	.35	.30
606-CMD67-21VYC	J	Yellow	Clear	2.0	2.8	6.0	10	585	120°	.42	.31	.26
606-CMD67-21VGC	J	Green	Clear	2.1	2.8	15	25	570	120°	.37	.27	.23

Right Angle

607-CMDA7AR7A1S	K	Red	Clear	1.9	2.4	25	95	637	130°	.35	.25	.19
607-CMDA7BR7A1S	K	Hi-Eff Red	Clear	2.1	2.6	2.5	11	630	130°	.27	.19	.17
607-CMDA7AG7A1S	K	Green	Clear	3.4	3.9	40	150	520	130°	3.22	2.27	1.80
607-CMDA7CB7A1S	K	Blue	Clear	3.4	3.9	16	60	469	130°	3.22	2.27	1.80

Bi-Color

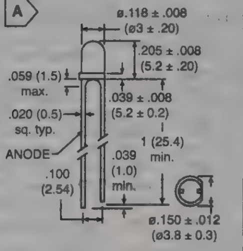
606-7011X1/17	L	Red/Yel	Clear	1.75/2.2	2.0/2.5	6.0/3.0	17.0/6.0	660/580	100°	.87	.64	.54
606-7011X1/5	L	Red/Grn	Clear	1.7/2.1	2.0/2.5	6.0/3.0	17.0/7.5	660/560	100°	.87	.64	.54
606-7011X5/7	L	Grn/Yel	Clear	2.1/2.2	2.5/2.5	3.0/3.0	7.5/6.0	560/580	100°	.87	.64	.54

CHICAGO MINIATURE Thru-Hole LED Lamps

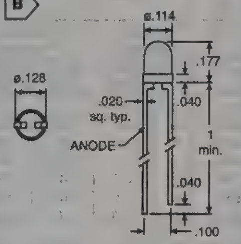
RoHS Compliant This page of product is compliant.

DIMENSIONS: In.

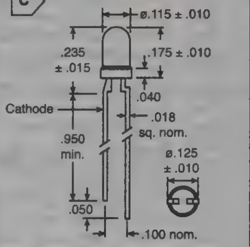
A


ø.118 ± .008
(ø3 ± .20)
.205 ± .008
(5.2 ± .20)
.059 (1.5)
max.
.039 ± .008
(5.2 ± 0.2)
.020 (0.5)
sq. typ.
1 (25.4)
min.
ANODE
.039
(1.0)
min.
.100
(2.54)
ø.150 ± .012
(ø3.8 ± 0.3)

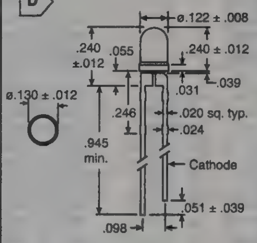
B


ø.114
.177
ø.128
.020
sq. typ.
.040
ANODE
1
min.
.040
.100

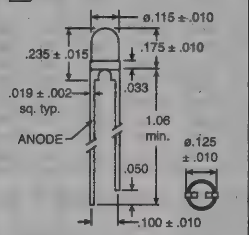
C


ø.115 ± .010
.235
± .015
.175 ± .010
.040
Cathode
.018
sq. nom.
.950
min.
ø.125
± .010
.050
.100 nom.

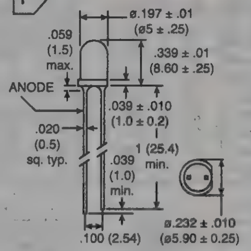
D


ø.122 ± .008
.240
±.012
.055
.240 ± .012
.039
.031
ø.130 ± .012
.246
.020 sq. typ.
.024
.945
min.
Cathode
.051 ± .039
.098

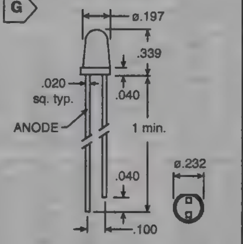
E


ø.115 ± .010
.235 ± .015
.175 ± .010
.033
.019 ± .002
sq. typ.
1.06
min.
ANODE
ø.125
± .010
.050
.100 ± .010

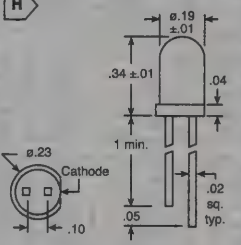
F


ø.197 ± .01
(ø5 ± .25)
.059
(1.5)
max.
.339 ± .01
(8.60 ± .25)
ANODE
.039 ± .010
(1.0 ± 0.2)
.020
(0.5)
sq. typ.
1 (25.4)
min.
.039
(1.0)
min.
.100 (2.54)
ø.232 ± .010
(ø5.90 ± 0.25)

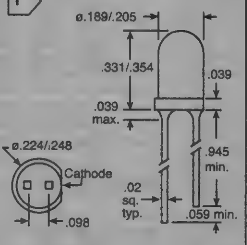
G


ø.197
.339
.020
sq. typ.
.040
ANODE
1 min.
ø.232
.040
.100

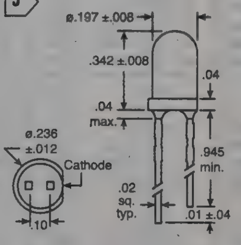
H


ø.19
±.01
.34 ±.01
.04
ø.23
Cathode
1 min.
.02
sq.
typ.
.05
.10

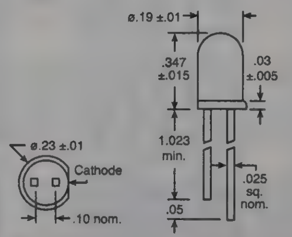
I


ø.189/.205
.331/.354
.039
.039
max.
ø.224/.248
Cathode
.945
min.
.02
sq.
typ.
.059 min.
.098

J


ø.197 ±.008
.342 ±.008
.04
.04
max.
ø.236
±.012
Cathode
.945
min.
.02
sq.
typ.
.01 ±.04
.10

K


ø.19 ±.01
.347
±.015
.03
±.005
ø.23 ±.01
Cathode
1.023
min.
.025
sq.
nom.
.05
.10 nom.

THRU-HOLE LED LAMPS

T-1 White

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Emitted Color	Lens Color	Luminous Intensity			Forward Voltage		Peak Wave-length (nm)	View-ing Angle	Price Each		
				Min. mcd	Typ. mcd	Max. mcd	Typ.	Max.			1	100	500
606-CMD204UWC	A	White	Clear	0.7	1.0	1.4	3.7	3.85	475	22°	3.02	2.78	2.50

T-1 Blue

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-CMD264UBD	B	Blue	Blue Diff	4.9	5.5	63	100	430	45°	1.50	1.30	1.21
606-CMD264UBC	B	Blue	Clear	4.9	5.5	160	250	430	30°	1.61	1.40	1.30

T-1 Low Current

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 2mA		Luminous Intensity @ 2mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4300F1LC	C	Red	Red Diff	1.8	2.0	0.8	2.1	634	50°	.35	.30	.28
606-4300F7LC	C	Yellow	Yel Diff	1.9	2.5	0.9	1.6	583	50°	.35	.30	.28
606-4300F5LC	C	Green	Grn Diff	1.8	2.2	1.0	2.1	565	50°	.35	.30	.28

T-1 Super Bright

For quantities of 1000 or more, call for quote.

606-4303F1	D	Red	Red Diff	2.0	3.0	3.6	10.0	650	90°	.21	.18	.17
606-4303F3	D	Amber	Amber Diff	2.2	3.0	3.0	7.0	603	60°	.30	.26	.25
606-4303F7	D	Yellow	Yellow Diff	2.1	3.0	2.2	6.3	585	90°	.21	.18	.17
606-4303F5	D	Green	Green Diff	2.2	3.0	5.6	16.0	562	90°	.21	.18	.17

T-1 w/ Integrated Resistor

For quantities of 1000 or more, call for quote.

606-4302F1-5V	E	Red	Red Diff	5	10	2.0	8.0	635	60°	.49	.42	.39
606-4302F3-5V	E	Amber	Amber Diff	5	10	2.0	8.0	583	60°	.49	.42	.39
606-4302F5-5V	E	Green	Green Diff	5	10	2.0	8.0	565	60°	.49	.42	.39
606-4302F1-12V	E	Red	Red Diff	12	13	2.0	8.0	635	60°	.58	.50	.47
606-4302F3-12V	E	Amber	Amber Diff	12	13	2.0	8.0	583	60°	.58	.50	.47
606-4302F5-12V	E	Green	Green Diff	12	13	2.0	8.0	565	60°	.58	.50	.47

T-1 3/4 White

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Emitted Color	Lens Color	Luminous Intensity			Forward Voltage		Peak Wave-length (nm)	View-ing Angle	Price Each		
				Min. mcd	Typ. mcd	Max. mcd	Typ.	Max.			1	100	500
606-CMD333UWC	F	White	Clear	1.7	2.3	2.6	3.75	3.85	475	20°	2.45	2.30	2.21

T-1 3/4 Blue

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-CMD383UBC/H2	G	Blue	Clear	4.9	5.5	250	350	430	24°	2.52	2.27	2.14
606-CMD383UBC	G	Blue	Clear	4.9	5.5	600	800	430	12°	2.52	2.27	2.14

T-1 3/4 Low Current

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 2mA		Luminous Intensity @ 2mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4300H1LC	H	Red	Red Diff	1.8	2.2	1.3	2.3	635	50°	.35	.30	.28
606-4300H7LC	H	Yellow	Yellow Diff	1.9	2.7	1.0	2.1	583	50°	.35	.30	.28
606-4300H5LC	H	Green	Green Diff	1.8	2.2	1.0	2.3	565	50°	.35	.30	.28

T-1 3/4 Super Bright

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 10mA		Luminous Intensity @ 10mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4304H1	I	Red	Red Diff	2.0	3.0	3.0	6.3	650	65°	.21	.18	.17
606-4304H3	I	Amber	Amber Diff	2.2	3.0	4.0	20.0	608	60°	.28	.24	.23
606-4304H7	I	Yellow	Yellow Diff	2.1	3.0	2.5	6.3	585	65°	.21	.18	.17
606-4304H5	I	Green	Green Diff	2.1	3.0	3.0	10.0	563	75°	.21	.18	.17

T-1 3/4 Ultra Bright

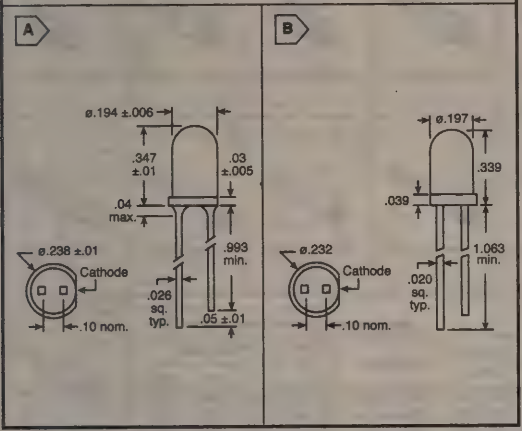
For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4305H1	J	Red	Red	2.1	3.0	20	60	650	30°	.21	.18	.17
606-4305H7	J	Yellow	Yellow	2.2	3.0	56	160	585	30°	.21	.18	.17
606-4305H5	J	Green	Green	2.2	3.0	30	100	563	30°	.21	.18	.17
606-4308H1	K	Red	Clear	1.8	2.2	90	240	645	24°	.58	.50	.47
606-4308H7	K	Yellow	Clear	2.2	3.0	95	140	583	24°	.40	.34	.32
606-4308H5	K	Green	Clear	2.3	3.0	110	140	565	24°	.40	.34	.32

CHICAGO MINIATURE LED Lamps and Indicators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIMENSIONS: In.


A
ø.194 ±.006
.347
±.01
.03
±.005
.04
max.
ø.238 ±.01
Cathode
.993
min.
.026
sq.
typ.
.05 ±.01
.10 nom.
B
ø.197
.339
.039
ø.232
Cathode
1.063
min.
.020
sq.
typ.
.10 nom.

THRU-HOLE LED LAMPS (CONT.)

T-1 3/4 w/ Integrated Resistor

For quantities of 1000 or more, call for quote.

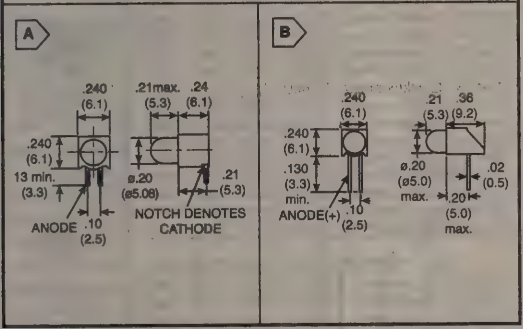
MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4302H1-5V	A	Red	Red Diff	5	10	2.0	8.0	635	60°	.58	.50	.47
606-4302H3-5V	A	Amber	Amber Diff	5	10	2.0	8.0	583	60°	.58	.50	.47
606-4302H5-5V	A	Green	Green Diff	5	12	2.0	8.0	565	60°	.58	.50	.47
606-4302H1-12V	A	Red	Red Diff	12	13	2.0	8.0	635	60°	.58	.50	.47
606-4302H3-12V	A	Amber	Amber Diff	12	13	2.0	8.0	583	60°	.58	.50	.47
606-4302H5-12V	A	Green	Green Diff	12	13	2.0	8.0	565	60°	.58	.50	.47

T-1 3/4 Bi-Polar for AC/DC Operation

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-length (nm)	View-ing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-4301H1/1	B	Red	Red	2.0	2.5	8.0	20.0	625	60°	.67	.58	.54
606-4301H7/7	B	Yellow	Yellow	2.1	2.5	5.0	20.0	590	60°	.67	.58	.54
606-4301H5/5	B	Green	Green	2.2	2.5	5.0	20.0	565	60°	.67	.58	.54

DIMENSIONS: In. (mm)

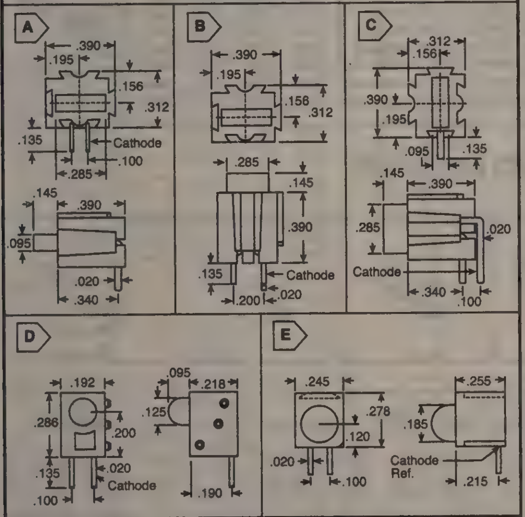

A
.240
(6.1)
.21max.
(5.3)
.24
(6.1)
.240
(6.1)
13 min.
(3.3)
ø.20
(ø5.08)
.21
(5.3)
ANODE
.10
(2.5)
NOTCH DENOTES
CATHODE
B
.240
(6.1)
.21
(5.3)
.36
(9.2)
.240
(6.1)
.130
(3.3)
min.
ø.20
(ø5.0)
max.
.20
(5.0)
max.
.02
(0.5)
ANODE(+)
.10
(2.5)

T-1 3/4 CIRCUIT BOARD INDICATORS

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Cont. Forward Current (mA)(max.)	Forward Voltage		Luminous Intensity (mcd) (typ)	Rated Current (mA)	Peak Wavelength (nm)	Price Each		
				Typ.	Max.				1	25	100
607-5300H1	A	Red	60	2.0	3.0	6.3	10	650	.57	.44	.36
607-5300H5	A	Green	60	2.2	3.0	10	10	563	.57	.44	.36
607-5300H7	A	Yellow	60	2.1	3.0	6.3	10	585	.57	.44	.36
607-5300H1LC	A	Red	7	1.8	2.2	2.0	2.0	635	.73	.57	.46
607-5300H5LC	A	Green	7	1.8	2.2	2.5	2.0	565	.73	.57	.46
607-5302H1-5V	A	Red	15	5.0	7.5	6.0	10.0	635	.78	.61	.49
607-5302H3-5V	A	Amber	15	5.0	7.5	7.0	10.0	583	.78	.61	.49
607-5302H5-5V	A	Green	15	5.0	7.5	10.0	12.0	565	.78	.61	.49
607-5380H1	B	Red	35	2.0	3.0	30.0	20.0	650	.57	.44	.36
607-5380H5	B	Green	20	2.2	2.5	30.0	20.0	563	.57	.44	.36
607-5380H7	B	Yellow	35	2.1	3.0	2.0	20.0	585	.57	.44	.36

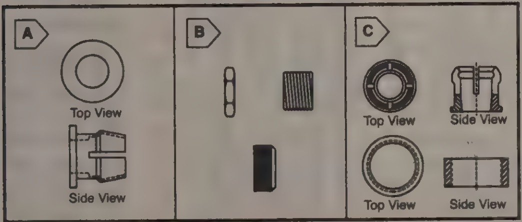
DIMENSIONS: In.


A
.390
.195
.156
.312
.135
Cathode
.100
.285
.145
.390
.095
.020
.340
B
.390
.195
.156
.312
.285
.145
.390
.135
Cathode
.200
.020
C
.312
.156
.390
.195
.095
.135
.145
.390
.285
.020
Cathode
.340
.100
D
.192
.095
.218
.286
.125
.200
.135
.020
Cathode
.100
.190
E
.245
.255
.278
.120
.185
.020
.100
Cathode
Ref.
.215

CIRCUIT BOARD INDICATORS

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 10mA(mcd)		Peak Wave-Length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	100	500
606-CMR01R	A	Hi-eff red	Red diff	2.0	2.5	3.2	12.5	625	110	.64	.55	.53
606-CMR01G	A	Hi-eff grn	Green diff	2.2	2.5	1.3	8.0	565	110	.64	.55	.53
606-CMR01Y	A	Yellow	Yel diff	2.1	2.5	1.3	8.0	590	110	.64	.55	.53
606-CMS01R	B	Hi-eff red	Red diff	2.0	2.5	3.2	12.5	625	110	.64	.55	.53
606-CMS01G	B	Hi-eff grn	Green diff	2.2	2.5	1.3	8.0	565	110	.64	.55	.53
606-CMV01G	C	Hi-eff grn	Green diff	2.2	2.5	1.3	8.0	565	110	.70	.60	.55
606-CMC01R	D	Hi-eff red	Water clr	2.0	2.5	24.0	60.0	625	30	.66	.57	.55
606-CMC01Y	D	Yellow	Water clr	2.1	2.5	24.0	60.0	590	30	.66	.57	.55
606-CMW01S	D	Hi-eff red	Red diff	2.0	2.5	1.0	2.0	625	120	.66	.57	.55
606-CMW01R	D	Hi-eff red	Red diff	2.0	2.5	3.2	20.0	625	130	.66	.57	.55
606-CMW01G	D	Hi-eff grn	Green diff	2.2	2.5	3.2	12.5	565	120	.66	.57	.55
606-CMW01Z	D	Yellow	Yel diff	2.1	2.5	1.0	2.0	590	120	.66	.57	.55
606-CMW01Y	D	Yellow	Yellow diff	2.1	2.5	3.2	12.5	590	120	.66	.57	.55
606-CMI01S	E	Red	Red diff	1.7	2.1	1.25	3.2	660	120	.67	.58	.56
606-CMI01G	E	Hi-eff grn	Green diff	2.2	2.5	3.2	8.0	565	120	.67	.58	.56


A
Top View
Side View
B
C
Top View
Side View
Top View
Side View

LED PANEL MOUNTING ACCESSORIES

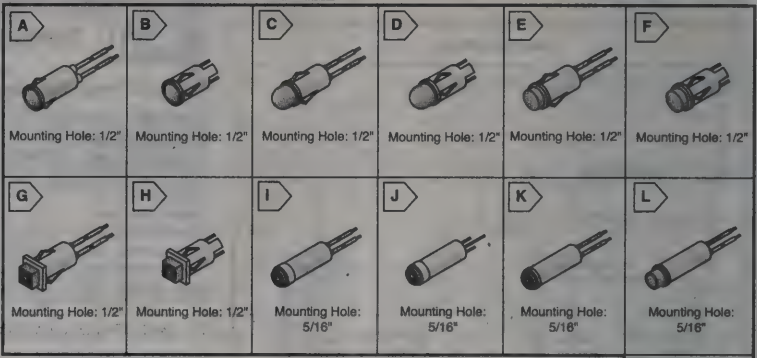
For quantities of 1000 or more, call for quote.

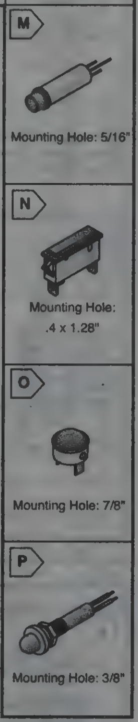
MOUSER STOCK NO.	Fig.	Description	Color	Price Each		
				1	100	500
606-CMP100	A	T-1 single piece	Black	.16	.12	.12
606-4999-002	B	T-1 3/4, 3 piece flanged	Silver	2.52	2.16	2.10
606-4999-003	B	T-1 3/4, 3 piece flanged	Black	2.52	2.16	2.10
606-4304MC	C	T-1 3/4, 2 piece	Black	.14	.11	.10

CHICAGO MINIATURE LED, Incandescent, & Neon Indicators

Products may be RoHS compliant. Check mouser.com for RoHS status.

NON-RELAMPABLE INDICATORS





Neon Indicators

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Voltage (VAC)	Termination	Rated Life (hrs.)	Price Each		
						1	25	100
607-1030D1	A	Red	105-125	Black wire	25,000	2.10	1.68	1.43
607-1030D3	A	Amber	105-125	Black wire	25,000	2.10	1.68	1.43
607-1030D4	A	White	105-125	Black wire	25,000	2.10	1.68	1.43
607-1032D5	A	Green	105-125	Black wire	25,000	3.15	2.52	2.14
607-1031D1	A	Red	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1030QD1	B	Red	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1030QD3	B	Amber	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1030QD4	B	White	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1032QD5	B	Green	105-125	Quick connect	25,000	3.35	2.68	2.28
607-1050A1	C	Red	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050A2	C	Clear	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050A3	C	Amber	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050A4	C	White	105-125	Black wire	25,000	2.10	1.68	1.43
607-1052A5	C	Green	105-125	Black wire	25,000	3.15	2.52	2.14
607-1051A1	C	Red	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1051A3	C	Amber	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1053A5	C	Green	208-250	Black/Red wire	25,000	3.15	2.52	2.14
607-1050QA1	D	Red	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1050QA3	D	Amber	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1052QA5	D	Green	105-125	Quick connect	25,000	3.35	2.68	2.28
607-1051QA1	D	Red	208-250	Quick connect	25,000	2.28	1.82	1.55
607-1051QA3	D	Amber	208-250	Quick connect	25,000	2.28	1.82	1.55
607-1050C1	E	Red	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050C2	E	Clear	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050C3	E	Amber	105-125	Black wire	25,000	2.10	1.68	1.43
607-1050C4	E	White	105-125	Black wire	25,000	2.10	1.68	1.43
607-1052C5	E	Green	105-125	Black wire	25,000	3.15	2.52	2.14
607-1051C1	E	Red	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1051C3	E	Amber	208-250	Black/Red wire	25,000	2.10	1.68	1.43
607-1053C5	E	Green	208-250	Black/Red wire	25,000	3.15	2.52	2.14
607-1050QC1	F	Red	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1050QC2	F	Clear	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1050QC3	F	Amber	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1050QC4	F	White	105-125	Quick connect	25,000	2.28	1.82	1.55
607-1052QC5	F	Green	105-125	Quick connect	25,000	3.35	2.68	2.28
607-1051QC1	F	Red	208-250	Quick connect	25,000	2.28	1.82	1.55
607-1051QC3	F	Amber	208-250	Quick connect	25,000	2.28	1.82	1.55
607-1050N1	G	Red	105-125	Black wire	25,000	2.28	1.82	1.55
607-1050N3	G	Amber	105-125	Black wire	25,000	2.28	1.82	1.55
607-1052N5	G	Green	105-125	Black wire	25,000	3.35	2.68	2.28
607-1050QN1	H	Red	105-125	Quick connect	25,000	2.48	1.98	1.68
607-1050QN3	H	Amber	105-125	Quick connect	25,000	2.48	1.98	1.68
607-1052QN5	H	Green	105-125	Quick connect	25,000	3.55	2.84	2.41
607-2110A1	I	Red	105-125	Black wire	25,000	2.08	1.66	1.41
607-2110A2	I	Clear	105-125	Black wire	25,000	2.08	1.66	1.41
607-2110A3	I	Amber	105-125	Black wire	25,000	2.08	1.66	1.41
607-2110A4	I	White	105-125	Black wire	25,000	2.08	1.66	1.41
607-2112A5	J	Green	105-125	Black wire	25,000	3.15	2.52	2.14
607-2110QA1	J	Red	105-125	Quick connect	25,000	2.28	1.82	1.55
607-2112QA5	K	Green	105-125	Quick connect	25,000	3.33	2.66	2.26
607-2120A1	K	Red	105-125	Black wire	25,000	2.08	1.66	1.41
607-2120A3	K	Amber	105-125	Black wire	25,000	2.08	1.66	1.41

Neon Indicators (cont.)

For quantities of 500 or more, call for quote.

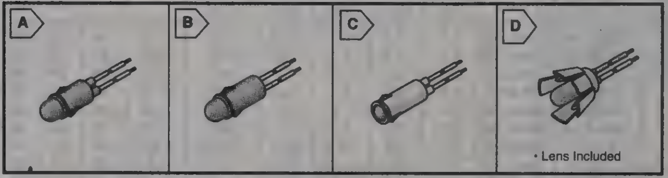
MOUSER STOCK NO.	Fig.	Color	Voltage (VAC)	Termination	Rated Life (hrs.)	Price Each		
						1	25	100
607-2120A4	K	White	105-125	Black wire	25,000	2.08	1.66	1.41
607-2150A1	L	Red	105-125	Black wire	25,000	2.23	1.78	1.51
607-2150A2	L	Clear	105-125	Black wire	25,000	2.23	1.78	1.51
607-2150A3	L	Amber	105-125	Black wire	25,000	2.23	1.78	1.51
607-2150A4	L	White	105-125	Black wire	25,000	2.23	1.78	1.51
607-2152A5	L	Green	105-125	Black wire	25,000	3.58	2.86	2.43
607-2150QA1	M	Red	105-125	Quick connect	25,000	2.40	1.92	1.63
607-2150QA3	M	Amber	105-125	Quick connect	25,000	2.40	1.92	1.63
607-2150QA4	M	White	105-125	Quick connect	25,000	2.40	1.92	1.63
607-2152QA5	M	Green	105-125	Quick connect	25,000	3.75	3.00	2.55
607-2330QD1	N	Red	105-125	Quick connect	25,000	2.55	2.04	1.73
607-2330QD3	N	Amber	105-125	Quick connect	25,000	2.55	2.04	1.73
607-2330QD4	N	White	105-125	Quick connect	25,000	2.55	2.04	1.73
607-2620QK1	O	Red	105-125	Quick connect	25,000	3.03	2.42	2.06
607-2620QK3	O	Amber	105-125	Quick connect	25,000	3.03	2.42	2.06
607-2620QK4	O	White	105-125	Quick connect	25,000	3.03	2.42	2.06
607-2622QK5	O	Green	105-125	Quick connect	25,000	4.00	3.20	2.72
607-6010M1	P	Red	105-125	Black/Red wire	25,000	4.45	3.56	3.03
607-6010M3	P	Amber	105-125	Black/Red wire	25,000	4.45	3.56	3.03
607-6012M5	P	Green	105-125	Black/Red wire	25,000	5.45	4.36	3.71

Incandescent Indicators

For quantities of 500 or more, call for quote.

607-1090A1-12V	C	Red	12VDC	Yellow wire	10,000	2.70	2.16	1.84
607-1090A3-12V	C	Amber	12VDC	Yellow wire	10,000	2.70	2.16	1.84
607-1090A5-12V	C	Green	12VDC	Yellow wire	10,000	2.70	2.16	1.84
607-1090A1-28V	C	Red	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090A3-28V	C	Amber	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090A5-28V	C	Green	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090C1-12V	E	Red	12VDC	Yellow wire	10,000	2.70	2.16	1.84
607-1090C1-28V	E	Red	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090C3-28V	E	Amber	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090C5-28V	E	Green	28VDC	Purple wire	7,000	2.70	2.16	1.84
607-1090QC1-28V	F	Red	28VDC	Quick connect	7,000	2.88	2.30	1.96
607-1090QC3-28V	F	Amber	28VDC	Quick connect	7,000	2.88	2.30	1.96
607-1090QC5-28V	F	Green	28VDC	Quick connect	7,000	2.88	2.30	1.96

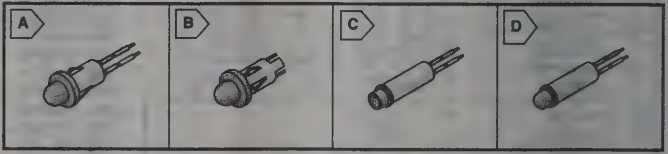
CIRCUIT BOARD PANEL MOUNT LED INDICATORS



For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Forward Current (mA) (max.)	Forward Voltage		Lumin. Intensity (mcd) (typ)	Rated Cur. (mA)	Peak Wave-length	Price Each		
				Typ.	Max.				1	25	100
607-5100H1	A	Red	35	2.0	3.0	30.0	20.0	635	1.46	1.18	1.01
607-5100H1LC	A	Red	7	1.8	2.2	2.0	2	635	1.64	1.32	1.13
607-5100H3	A	Amber	35	2	3	20	20	608	1.46	1.18	1.01
607-5100H5	A	Green	30	2.2	3.0	30.0	20.0	562	1.46	1.18	1.01
607-5100H6	A	Blue	50	3.4	3.9	3.0	45	470	2.35	1.83	1.48
607-5100H7	A	Yellow	35	2.1	3.0	25.0	20.0	585	1.46	1.18	1.01
607-5100H7LC	A	Yellow	7	1.9	2.7	2.0	2	585	1.64	1.32	1.13
607-5100H1/5	A	Rd/Grn	10	2.2	2.8	6.0	20.0	650/565	2.26	1.83	1.57
607-5102H1-12V	A	Red	15	12.0	20.0	4.0	13	635	1.31	1.23	1.19
607-5110F1	B	Red	30	2.0	3.0	6.0	10.0	635	1.51	1.22	1.04
607-5110F5	B	Green	30	2.2	3.0	12.0	20.0	562	1.51	1.22	1.04
607-5110F7	B	Yellow	30	2.1	3.0	20.0	20.0	585	1.51	1.22	1.04
607-3990A1	C	Red	30	2.0	3.0	6.0	10.0	635	2.34	1.89	1.62
607-3990A5	C	Green	30	2.2	3.0	12.0	20.0	562	2.34	1.89	1.62
607-5400A1	D	Red	35	2.0	3.0	120.0	20.0	635	2.31	1.87	1.60
607-5400A5	D	Green	35	2.1	2.5	120.0	20.0	555	2.31	1.87	1.60
607-5400A7	D	Yellow	35	2.1	3.0	120.0	20.0	585	2.31	1.87	1.60

LED INDICATORS



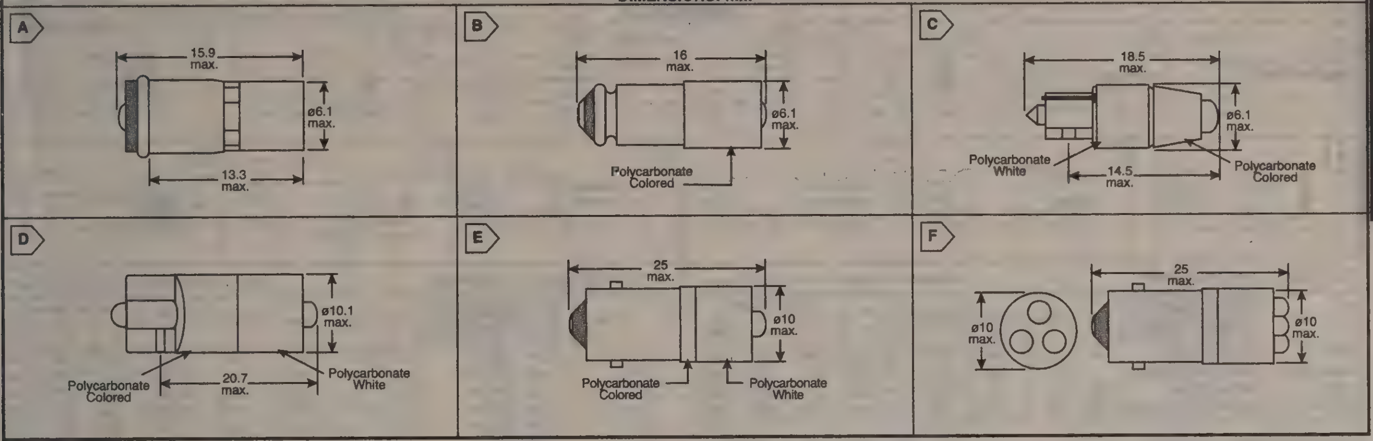
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Voltage (VDC)	Termination	Internal Resis. (Ω)	Mount. Hole Sz.(In.)	Price Each		
							1	25	100
607-1091M1-12V	A	Red	12	Red/White wire	390	1/2	2.98	2.38	2.02
607-1091M5-12V	A	Green	12	Red/White wire	390	1/2	2.98	2.38	2.02
607-1091M1-24V	A	Red	24	Red/White wire	1,000	1/2	2.98	2.38	2.02
607-1091M5-24V	A	Green	24	Red/White wire	1,000	1/2	2.98	2.38	2.02
607-1091M7-24V	A	Yellow	24	Red/White wire	1,000	1/2	2.98	2.38	2.02
607-1091QM1-12V	B	Red	12	Quick connect	390	1/2	3.15	2.52	2.14
607-1091QM1-24V	B	Red	24	Quick connect	1,000	1/2	3.15	2.52	2.14
607-2191L1-12V	C	Red	12	Red/Black wire	390	5/16	3.00	2.40	2.04
607-2191L5-12V	C	Green	12	Red/Black wire	390	5/16	3.00	2.40	2.04
607-2191L7-12V	C	Yellow	12	Red/Black wire	390	5/16	3.00	2.40	2.04
607-2191L1-24V	C	Red	24	Red/Black wire	1,000	5/16	3.00	2.40	2.04
607-2191L5-24V	C	Green	24	Red/Black wire	1,000	5/16	3.00	2.40	2.04
607-2191L7-24V	C	Yellow	24	Red/Black wire	1,000	5/16	3.00	2.40	2.04
607-2191U1-12V	D	Red	12	22 AWG Wire	390	5/16	3.00	2.40	2.04
607-2191U5-12V	D	Green	12	22 AWG Wire	390	5/16	3.00	2.40	2.04
607-2191U7-12V	D	Yellow	12	22 AWG Wire	390	5/16	3.00	2.40	2.04
607-2191U1-24V	D	Red	24	22 AWG Wire	1,000	5/16	3.00	2.40	2.04
607-2191U5-24V	D	Green	24	22 AWG Wire	1,000	5/16	3.00	2.40	2.04
607-2191U7-24V	D	Yellow	24	22 AWG Wire	1,000	5/16	3.00	2.40	2.04

CHICAGO MINIATURE Incandescent Replacements

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm



Features:
- Extremely High Brightness with Low Current Draw
- Low Heat Generation
- Shock and Vibration Proof
- Five Standard Colors

Specification:
- Long Life: 100K Hours vs. 10K Hours
- Storage Temperature: -25°C to +80°C
- Ambient Temperature: -20°C to +60°C

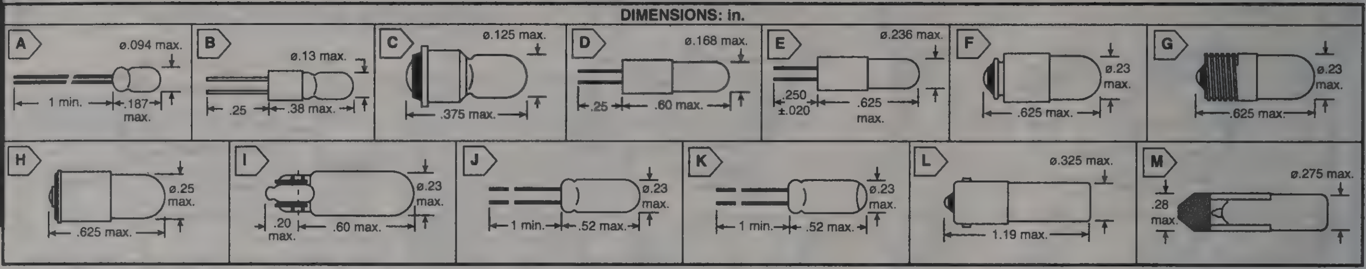
For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Chicago Miniature Part No.	Fig.	Color	Voltage	Current (mA)	Luminous Intensity (mcd)	Wavelength (nm)	Replaces Incandescent No.	Price Each			
									1	10	100	500
15101 Series												
606-1510125UR3	1510125UR3	A	Red	12DC	14	330	630	394, 330, 382	4.60	3.22	2.76	2.52
606-1510125UG3	1510125UG3	A	Green	12DC	14	910	525		8.18	5.72	4.91	4.48
606-1510125W3	1510125W3	A	White Clear	12DC	14	700	—		8.18	5.72	4.91	4.48
606-1510125W3D	1510125W3D	A	White Diffused	12DC	14	350	—		8.18	5.72	4.91	4.48
606-1510135UR3	1510135UR3	A	Red	24DC	14	330	630	327, 376, 385, 387	4.80	3.36	2.88	2.63
606-1510135UG3	1510135UG3	A	Green	24DC	14	910	525		8.38	5.86	5.03	4.59
606-1510135B3	1510135B3	A	Blue	24DC	14	350	470		8.38	5.86	5.03	4.59
606-1510135W3	1510135W3	A	White Clear	24DC	14	700	—		8.38	5.86	5.03	4.59
606-1510135W3D	1510135W3D	A	White Diffused	24DC	14	350	—		8.38	5.86	5.03	4.59
15121 Series												
606-1512125W3	1512125W3	B	White Clear	12DC	7/14	700	—	336, 386, 393	8.78	6.14	5.27	4.81
606-1512125W3D	1512125W3D	B	White Diffused	12DC	7/14	350	—		8.78	6.14	5.27	4.81
606-1512135UR3	1512135UR3	B	Red	24DC	7/14	330	630	276, 334, 388	5.35	3.75	3.21	2.93
606-1512135UG3	1512135UG3	B	Green	24DC	7/14	910	525		8.93	6.25	5.36	4.89
606-1512135W3	1512135W3	B	White Clear	24DC	7/14	700	—		8.93	6.25	5.36	4.89
606-1512135W3D	1512135W3D	B	White Diffused	24DC	7/14	350	—		8.93	6.25	5.36	4.89
1511A Series												
606-1511A25B3	1511A25B3	C	Blue	12AC/DC	6/12	300	470	18, 37, 70, 73, 74	8.93	6.25	5.36	4.89
606-1511A25W3	1511A25W3	C	White Clear	12AC/DC	6/12	600	—		8.93	6.25	5.36	4.89
606-1511A25W3D	1511A25W3D	C	White Diffused	12AC/DC	6/12	300	—		8.93	6.25	5.36	4.89
1511B Series												
606-1511B25W3	1511B25W3	D	White Clear	12AC/DC	7/14	700	—	192, 124, 158, 161, 168, 184	8.93	6.25	5.36	4.89
606-1511B25W3D	1511B25W3D	D	White Diffused	12AC/DC	7/14	350	—		8.93	6.25	5.36	4.89
606-1511B35B3	1511B35B3	D	Blue	24AC/DC	7/14	350	470	152, 400, 464, 585, 655, 656, 657	8.93	6.25	5.36	4.89
606-1511B35W3	1511B35W3	D	White Clear	24AC/DC	7/14	700	—		8.93	6.25	5.36	4.89
606-1511B35W3D	1511B35W3D	D	White Diffused	24AC/DC	7/14	350	—		8.93	6.25	5.36	4.89
18602 Series												
606-18602250	18602250	E	Red	12AC/DC	15	350	630	12MB, 181, 756, 1488, 1815, 1894, 1889, 7191, 1893, 1898	5.88	4.11	3.53	3.22
606-18602251	18602251	E	Green	12AC/DC	15	1000	525		9.53	6.67	5.72	5.22
606-18602252	18602252	E	Yellow	12AC/DC	15	300	587		5.88	4.11	3.53	3.22
606-18602257	18602257	E	Blue	12AC/DC	15	400	470		9.53	6.67	5.72	5.22
606-1860225W3	1860225W3	E	White Clear	12AC/DC	15	750	—		9.53	6.67	5.72	5.22
606-18602350	18602350	E	Red	24AC/DC	15	350	630	24MB, 1437, 1818	5.88	4.11	3.53	3.22
606-18602351	18602351	E	Green	24AC/DC	15	1000	525		9.53	6.67	5.72	5.22
606-1860235W3	1860235W3	E	White Clear	24AC/DC	15	750	—		9.53	6.67	5.72	5.22
606-1860235W3D	1860235W3D	E	White Diffused	24AC/DC	15	375	—		9.53	6.67	5.72	5.22
606-18602450	18602450	E	Red	28AC/DC	15	350	630	313, 757, 1437, 1819, 1820, 1929, 1843, 1864, 1873	5.88	4.11	3.53	3.22
606-18602451	18602451	E	Green	28AC/DC	15	1000	525		9.53	6.67	5.72	5.22
606-1860245W3	1860245W3	E	White Clear	28AC/DC	15	750	—		9.53	6.67	5.72	5.22
606-1860245W3D	1860245W3D	E	White Diffused	28AC/DC	15	375	—		9.53	6.67	5.72	5.22
18620 Series												
606-1862035W3	1862035W3	F	White Clear	24AC/DC	9/17	3 x 850	—	24MB, 1437	22.70	15.89	13.62	12.44
606-18620450	18620450	F	Red	28AC/DC	9/17	3 x 400	630	313, 757, 1437, 1819, 1820, 1929, 1843, 1864, 1873	12.10	8.47	7.26	6.63
606-18620451	18620451	F	Green	28AC/DC	5/10	3 x 680	525		22.70	15.89	13.62	12.44
606-18620457	18620457	F	Blue	28AC/DC	9/17	3 x 450	470		22.70	15.89	13.62	12.44
606-1862045W3	1862045W3	F	White Clear	28AC/DC	9/17	3 x 850	—		22.70	15.89	13.62	12.44
606-1862045W3D	1862045W3D	F	White Diffused	28AC/DC	9/17	3 x 425	—		22.70	15.89	13.62	12.44

CHICAGO MINIATURE Incandescent Lamps

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIMENSIONS: in.



T-3/4 Wire Terminal Lamps

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
6833	606-CM6833	A	5.0	.060	.050	25,000	1.46	1.27	1.22
6833AS15	606-CM6833AS15	A	5.0	.060	.050	25,000	1.54	1.34	1.24
7153	606-CM7153	A	5.0	.115	.150	40,000	1.51	1.31	1.26
7153AS15	606-CM7153AS15	A	5.0	.115	.150	40,000	1.58	1.37	1.31

T-1 Bi-Pin Base (.05" Spacing)

For quantities of 500 or more, call for quote.

7265	606-CM7265	B	5.0	.060	.150	5,000	1.99	1.73	1.66
7680	606-CM7680	B	5.0	.060	.030	60,000	1.90	1.64	1.58
7715	606-CM7715	B	5.0	.115	.150	40,000	1.83	1.59	1.53
7839	606-CM7839	B	28.0	.024	.150	4,000	2.17	1.88	1.81

T-1 Bi-Pin Base (.100" Spacing)

For quantities of 500 or more, call for quote.

8-2402	606-CM8-2402	B	28.0	.024	.150	4,000	6.28	5.44	5.24

T-1 Sub-Midget Flange Base

For quantities of 500 or more, call for quote.

682	606-CM682	C	5.0	.060	.030	60,000	1.93	1.67	1.61
685	606-CM685	C	5.0	.060	.050	25,000	2.22	1.92	1.85
718	606-CM718	C	5.0	.115	.150	40,000	2.03	1.76	1.69
6839	606-CM6839	C	28.0	.024	.130	4,000	2.10	1.82	1.75

T-1 Wire Terminal (.145" Height)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
7152	606-CM7152	A	5.0	.115	.150	40,000	1.22	1.06	1.02
7152AS15	606-CM7152AS15	A	5.0	.115	.150	40,000	1.51	1.31	1.26

T-1 Wire Terminal (.25" Height)

For quantities of 500 or more, call for quote.

680	606-CM680	A	5.0	.060	.030	60,000	1.11	.96	.92
683	606-CM683	A	5.0	.060	.050	25,000	1.08	.93	.90
683AS15	606-CM683AS15	A	5.0	.060	.050	25,000	1.16	1.00	.96
715	606-CM715	A	5.0	.115	.150	40,000	1.19	1.03	.99
715AS15	606-CM715AS15	A	5.0	.115	.150	40,000	1.27	1.10	1.06
7219	606-CM7219	A	12.0	.060	.150	10,000	.35	.29	.27
7220	606-CM7220	A	18.0	.026	.150	10,000	.55	.48	.46
6838	606-CM6838	A	28.0	.024	.150	4,000	1.70	1.48	1.42

T-1 1/4 Bi-Pin Base (.100" Spacing)

For quantities of 500 or more, call for quote.

7646	606-CM7646	D	14.0	.080	.500	1,000	2.49	2.16	2.08
7632	606-CM7632	D	28.0	.040	.320	1,000	2.49	2.16	2.08

T-1 3/4 Bi-Pin Base (.125" Spacing)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
7361	606-CM7361	E	5.0	.060	.050	25,000	1.54	1.33	1.28
7328	606-CM7328	E	6.0	.200	.600	1,000	1.21	1.05	1.01
7377	606-CM7377	E	6.3	.075	.230	1,000	1.21	1.05	1.01
7381	606-CM7381	E	6.3	.200	.400	20,000	1.08	.93	.90
7371	606-CM7371	E	12.0	.040	.120	10,000	1.14	.99	.95
7373	606-CM7373	E	14.0	.100	.500	10,000	1.08	.94	.90
7382	606-CM7382	E	14.0	.080	.300	15,000	1.09	.95	.91
7327	606-CM7327	E	28.0	.040	.340	4,000	.95	.82	.79
7374	606-CM7374	E	28.0	.040	.150	10,000	1.22	1.06	1.02
7387	606-CM7387	E	28.0	.040	.300	7,000	.96	.84	.80
7876	606-CM7876	E	28.0	.060	.340	25,000	1.11	.96	.92

T-1 3/4 Midget Groove Base

For quantities of 500 or more, call for quote.

379	606-CM379	F	6.3	.200	.400	20,000	1.16	1.00	.96
336	606-CM336	F	14.0	.080	.500	1,500	1.11	.96	.92
386	606-CM386	F	14.0	.080	.300	15,000	1.11	.96	.92
334	606-CM334	F	28.0	.040	.340	4,000	.95	.82	.79
388	606-CM388	F	28.0	.040	.300	7,000	1.14	.99	.95

T-1 3/4 Midget Screw Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
1769	606-CM1769	G	2.5	.200	.200	5,000	1.09	.95	.91
373	606-CM373	G	14.0	.080	.500	1,500	1.19	1.03	.99
8362	606-CM8362	G	14.0	.080	.300	15,000	1.09	.95	.91
335	606-CM335	G	28.0	.040	.340	4,000	.98	.85	.82
399	606-CM399	G	28.0	.040	.300	7,000	1.06	.92	.88

T-1 3/4 Midget Flange Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
338	606-CM338	H	2.7	.060	.040	6,000	1.01	.88	.84
3150	606-CM3150	H	5.0	.060	.150	5,000	1.37	1.18	1.14
7333	606-CM7333	H	5.0	.060	.050	25,000	.93	.81	.78
7335	606-CM7335	H	5.0	.115	.150	40,000	.93	.81	.78
328	606-CM328	H	6.0	.200	.600	1,000	.93	.81	.78
345	606-CM345	H	6.0	.040	.030	1,000	.98	.85	.82
349	606-CM349	H	6.3	.200	.550	5,000	.90	.78	.75
381	606-CM381	H	6.3	.200	.400	20,000	1.27	1.10	1.06
344	606-CM344	H	10.0	.014	.002	50,000	1.32	1.14	1.10
367	606-CM367	H	10.0	.040	.080	5,000	1.13	.98	.94
394	606-CM394	H	12.0	.040	.120	10,000	1.01	.88	.84
330	606-CM330	H	14.0	.080	.500	1,500	.66	.57	.55
382	606-CM382	H	14.0	.080	.300	15,000	.91	.79	.76
8918	606-CM8918	H	14.0	.100	.500	10,000	1.06	.92	.88
370	606-CM370	H	18.0	.040	.150	10,000	1.19	1.03	.99
327	606-CM327	H	28.0	.040	.340	4,000	.50	.43	.42
376	606-CM376	H	28.0	.060	.340	25,000	.79	.68	.66
385	606-CM385	H	28.0	.040	.150	10,000	.90	.78	.75
387	606-CM387	H	28.0	.040	.300	7,000	.47	.40	.39
7341	606-CM7341	H	28.0	.065	.650	5,000	.95	.82	.79

T-1 3/4 Wedge Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
86	606-CM86	I	6.3	.200	.400	20,000	.74	.64	.62
73	606-CM73	I	14.0	.080	.300	15,000	.61	.53	.51
85	606-CM85	I	28.0	.040	.300	7,000	.58	.50	.48

T-1 3/4 Wire Terminal

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
2182	606-CM2182	J	14.0	.080	.300	40,000	.53	.46	.44
1764	606-CM1764	J	28.0	.040	.340	4,000	.61	.53	.51
2187	606-CM2187	J	28.0	.040	.300	7,000	.56	.49	.47

TL-1 3/4 Wire Terminal, Lens End

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	(Hrs) Life	Price Each		
						1	10	100
8-374	606-CM8-374	K	2.5	.350	3,000	5.67	4.92	4.73

T-2 Miniature Bayonet Base

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	End Foot Candles	(Hrs) Life	Price Each		
							1	10	100
24MB	606-CM24MB	L	24.0	.073	3000	1,000	1.41	1.23	1.18
28MB	606-CM28MB	L	28.0	.040	1600	5,000	1.41	1.23	1.18
60MB	606-CM60MB	L	60.0	.050	2200	7,500	1.51	1.31	1.26
120MB	606-CM120MB	L	120.0	.025	1200	5,000	1.14	.99	.95
8-967	606-CM8-967	L	120.0	.025	1200	5,000	4.88	4.23	4.07

T-2 Telephone Slide Base-Type 5 (.915" Height)

For quantities of 500 or more, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	End Foot Candles	(Hrs) Life	Price Each		
							1	10	100
10ESB	606-CM10ESB	M	10.0	.035	450	1,000	1.00	.86	.83
12ESB	606-CM12ESB	M	12.0	.040	650	7,500	1.25	1.09	1.05
16ESB	606-CM16ESB	M	16.0	.040	800	7,500	1.22	1.06	1.02
24ESB	606-CM24ESB	M	24.0	.040	850	8,000	1.30	1.13	1.08
28ESB	606-CM28ESB	M	28.0	.040	1500	6,000	1.24	1.07	1.03
48ESB	606-CM48ESB	M	48.0	.040	3000	5,000	1.35	1.17	1.13

T-2 Telephone Slide Base-Type 5 (1.115" Height)

For quantities of 500 or more, call for quote.

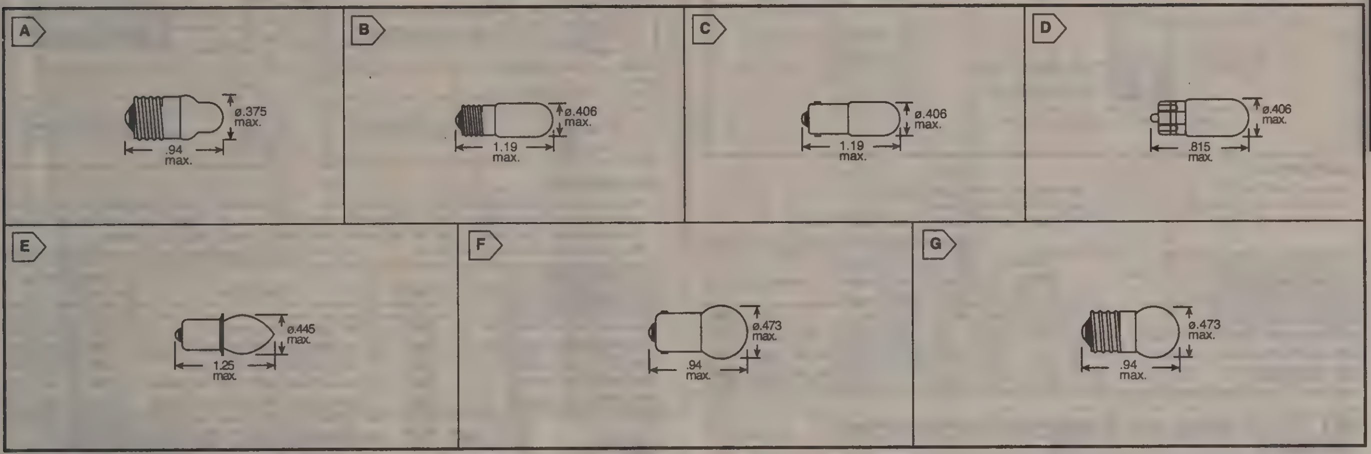
Type	MOUSER STOCK NO.	Fig.	Volts	Amps	End Foot Candles	(Hrs) Life	Price Each		
							1	10	100
6PSB	606-CM6PSB	M	6.0	.140	550	20,000	1.32	1.14	1.10
12PSB	606-CM12PSB	M	12.0	.170	2000	12,000	1.19	1.03	.99
24PSB	606-CM24PSB	M	24.0	.073	3000	10,000	.92	.79	.76
28PSB	606-CM28PSB	M	28.0	.040	1600	5,000	.92	.79	.76
48PSB	606-CM48PSB	M	48.0	.053	1800	10,000	1.27	1.10	1.06
60PSB	606-CM60PSB	M	60.0	.050	2200	7,500	1.27	1.10	1.06
120PSB	606-CM120PSB	M	120.0	.025	1200	5,000	1.01	.88	.84

CHICAGO MINIATURE Incandescent and Neon Lamps

Products may be RoHS compliant.
Check mouser.com for RoHS status.

INCANDESCENT LAMPS

DIMENSIONS (IN.)



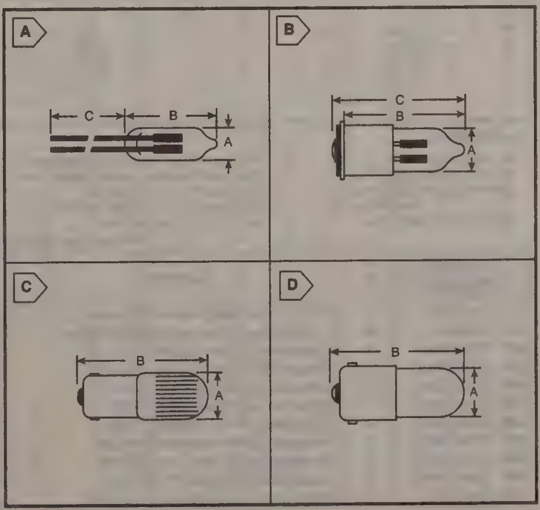
For quantities of 500 and up, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
GTL-3 Miniature Screw Base, Lens End									
222	606-CM222	A	2.25	.250	–	5	.76	.66	.63
T-3 1/4 Miniature Screw Base									
40	606-CM40	B	6.3	.150	.500	3,000	.71	.61	.59
46	606-CM46	B	6.3	.250	.900	3,000	.87	.75	.72
1821	606-CM1821	B	28.0	.170	3.400	500	2.22	1.92	1.85
T-3 1/4 Miniature Bayonet Base									
49	606-CM49	C	2.0	.060	.040	1,000	.96	.84	.80
43	606-CM43	C	2.5	.500	.500	3,000	.93	.81	.78
1850	606-CM1850	C	5.0	.090	.250	1,500	1.88	1.63	1.57
44	606-CM44	C	6.3	.250	.900	3,000	.41	.35	.34
47	606-CM47	C	6.3	.150	.500	3,000	.48	.43	.38
755	606-CM755	C	6.3	.150	.330	20,000	.88	.77	.74
1847	606-CM1847	C	6.3	.150	.380	5,000	.70	.65	.59
1866	606-CM1866	C	6.3	.250	.650	5,000	.76	.66	.63
1816	606-CM1816	C	13.0	.330	3.00	1,000	.72	.63	.60
756	606-CM756	C	14.0	.080	.310	15,000	1.04	.90	.87
1815	606-CM1815	C	14.0	.200	1.40	3,000	.98	.85	.82
1891	606-CM1891	C	14.0	.240	2.000	500	.60	.54	.52
1893	606-CM1893	C	14.0	.330	2.000	7,500	.60	.52	.50
1813	606-CM1813	C	14.4	.100	.860	1,000	.66	.57	.55
1892	606-CM1892	C	14.4	.120	.750	1,000	.87	.75	.72
1818	606-CM1818	C	24.0	.170	3.300	250	2.17	1.88	1.81
313	606-CM313	C	28.0	.170	3.500	500	.87	.75	.72
757	606-CM757	C	28.0	.080	.620	7,500	.80	.70	.67
1819	606-CM1819	C	28.0	.040	.3400	2,500	.79	.68	.66
1820	606-CM1820	C	28.0	.100	1.60	1,000	.79	.68	.66

For quantities of 500 and up, call for quote.

Type	MOUSER STOCK NO.	Fig.	Volts	Amps	M.S.C.P.	(Hrs) Life	Price Each		
							1	10	100
T-3 1/4 Miniature Bayonet Base (Cont.)									
1829	606-CM1829	C	28.0	.070	1.00	1,000	.74	.64	.62
1864	606-CM1864	C	28.0	.170	3.000	1,500	.87	.75	.72
1822	606-CM1822	C	36.0	.100	2.100	1,000	1.01	.88	.84
1828	606-CM1828	C	37.5	.050	.650	3,000	2.09	1.81	1.74
1835	606-CM1835	C	55.0	.050	1.100	5,000	2.38	2.06	1.98
8-3995	606-CM8-3995	C	130.0	.020	.200	2,000	1.04	.94	.86
T-3 1/4 Wedge Base									
259	606-CM259	D	6.30	.250	.650	5,000	.51	.45	.43
161	606-CM161	D	14.0	.190	1.000	1,500	.71	.61	.59
168	606-CM168	D	14.0	.350	3.000	1,500	.64	.56	.54
194	606-CM194	D	14.0	.270	2.000	1,500	.50	.43	.42
656	606-CM656	D	28.0	.060	.620	2,500	.66	.57	.55
B-3 1/2 Miniature Bayonet Base									
PR4	606-PR4	E	2.33	.270	.400	10	.66	.57	.55
PR2	606-PR2	E	2.38	.500	.800	15	.64	.56	.54
PR6	606-PR6	E	2.47	.300	.450	30	.66	.57	.55
PR3	606-PR3	E	3.57	.500	1.500	15	.66	.57	.55
PR7	606-PR7	E	3.70	.300	.900	30	.79	.68	.66
G-3 1/2 Miniature Bayonet Base									
219	606-CM219	F	6.3	.250	.500	5,000	2.06	1.78	1.71
51	606-CM51	F	7.5	.220	1.000	1,000	.77	.67	.64
53	606-CM53	F	14.4	.120	1.000	1,000	.80	.69	.67
1450	606-CM1450	F	24.0	.035	.230	3,000	1.30	1.13	1.08
G-3 1/2 Miniature Screw Base									
14	606-CM14	G	2.47	.300	.500	15	1.83	1.59	1.53
13	606-CM13	G	3.70	.300	.980	15	1.56	1.35	1.30
50	606-CM50	G	7.50	.220	1.000	1,000	1.06	.92	.88

NEON LAMPS



For quantities of 500 and up, call for quote.

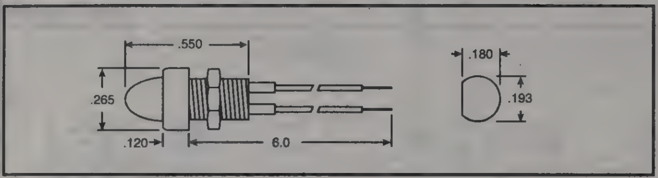
MOUSER STOCK NO.	Fig.	Type	Lamp Size	Breakdown Voltage (max.) AC/DC	Design Current (mA)	Dimensions (In.)			Price Each		
						A (max.)	B (max.)	C (min.)	1	10	100
606-2ML	A	NE-38S	T-1 1/4	65/90	.300	.156	.395	1.000	.90	.78	.75
606-A1B	A	- - - -	T-2	65/90	.300	.244	1.000	1.000	.36	.31	.30
606-A2B	A	NE-2V	T-2	65/90	.700	.244	.980	1.000	.50	.43	.41
606-A9A	A	NE-2E	T-2	65/90	.700	.244	.750	2.000	.34	.30	.29
606-A1C	A	- - - -	T-2	95/135	1.200	.244	.500	1.000	.40	.35	.33
606-A2A	A	- - - -	T-2	65/90	.700	.244	.750	2.000	.50	.43	.41
606-C2A	A	NE-2H	T-2	95/135	1.900	.244	.750	2.000	.42	.36	.35
606-C2A-T	A	NE-2HT	T-2	95/135	1.900	.244	.750	2.000	.50	.43	.41
606-A1G	B	- - - -	T-2	65/90	.300	.250	.525	.625	2.84	2.46	2.34
606-A1H	B	- - - -	T-2	95/135	1.200	.250	.525	.625	2.90	2.51	2.42
606-B1A	C	NE-51	T-3 1/4	65/90	.300	.430	1.188	- - - - -	.99	.86	.83
606-B2A	C	NE-51H	T-3 1/4	95/135	1.200	.430	1.188	- - - - -	.99	.86	.83
606-B2A-R	C	NE-51HR	T-3 1/4	95/135	1.200	.430	1.188	- - - - -	3.42	2.96	2.85
606-B6A	D	NE-21	T-4 1/2	65/90	2.000	.588	1.500	- - - - -	6.57	5.69	5.47

CHICAGO MINIATURE Indicators and Lamp Holders

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ASTROLITE LED INDICATORS

DIMENSIONS: In.



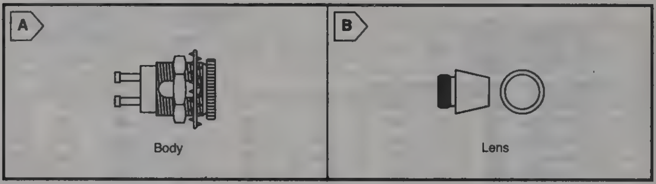
Specifications:

- Mounting hole: .193"
- Mounting centers: .334" min.
- Panel thickness: .188"
- Bezel/Shank: chrome plated brass
- Hex nut: nickel plated brass
- Wire leads: 26AWG stranded, 105°C PVC insulation

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Color		Forward Voltage @ IF = 20mA		Luminous Intensity @ 10mA(mcd)		Peak Wave-Length (nm)	Price Each		
	LED	Lens	Typ.	Max.	Min.	Typ.		1	10	100
606-6039-004-304R	Hi-eff red	Red diff	1.6	2.0	.4	1.5	630	4.98	4.32	4.15
606-6039-004-304G	Hi-eff grn	Green diff	2.2	3.0	2.0	12.0	565	4.98	4.32	4.15
606-6039-004-304Y	Yellow	Yel diff	2.1	3.0	1.5	8.0	585	4.98	4.32	4.15

GEMLITE SUBMIDGET INDICATORS



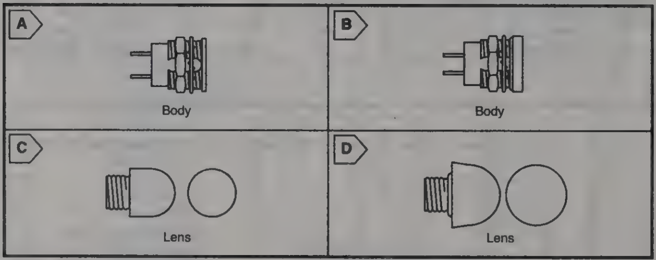
Specifications:

- Mounting hole: .313"
- Mounting centers: .469" min.
- Panel thickness: .218" max.
- lock washer: nickel plated bronze
- Hex nut: nickel plated brass
- Lens: high temperature lexan
- Lens shank: nickel plated brass
- Housing material: black nickel plated brass
- Electrical rating: up to 30V, up to 1W

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
606-5160-458	A	T-1 sub-midget flange base indicator, body	9.43	8.17	7.86
606-160A-604R	B	Translucent red lens for 5160-48, lens	1.49	1.29	1.24
606-160A-604G	B	Translucent green lens for 5160-48, lens	1.49	1.29	1.24
606-160A-604Y	B	Translucent yellow lens for 5160-48, lens	1.49	1.29	1.24
606-160A-604W	B	Translucent white lens for 5160-48, lens	1.49	1.29	1.24

MIDGET FLANGE RELAMPABLE INDICATORS



Specifications:

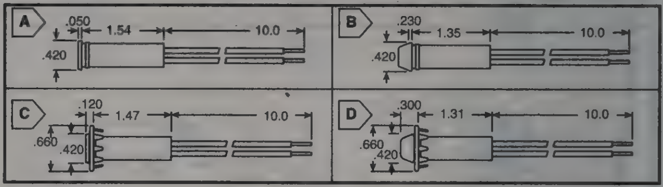
- Mounting hole: .484"
- Mounting centers: .750" min.
- Panel thickness: standard=.265"
  watertight=.188"
- Terminals: tin plated brass
- Housing material: black anodized aluminum
- Hex nut/lock washer: chrome treated steel
- O-rings (5139 only): neoprene
- Electrical rating: up to 30V, up to 2W
- Lens: high temperature lexan

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
606-5131-038	A	T-1 3/4 midget flange standard indicator	4.27	3.75	3.63
606-5139-038	B	T-1 3/4 midget flange watertight indicator	5.82	5.05	4.85
606-131A-303R	C	Transparent red lens for 5131-038	1.59	1.38	1.33
606-131A-303A	C	Transparent amber lens for 5131-038	1.59	1.38	1.33
606-131A-303G	C	Transparent green lens for 5131-038	1.59	1.38	1.33
606-131A-304R	C	Translucent red lens for 5131-038	1.59	1.38	1.33
606-131A-304G	C	Translucent green lens for 5131-038	1.59	1.38	1.33
606-131A-304Y	C	Translucent yellow lens for 5131-038	1.59	1.38	1.33
606-139A-404G	D	Translucent green lens for 5139-038	2.20	1.91	1.84
606-139A-404R	D	Translucent red lens for 5139-038	2.20	1.91	1.84
606-139A-404Y	D	Translucent yellow lens for 5139-038	2.20	1.91	1.84

GLO-LITE NEON INDICATORS

DIMENSIONS: In.



Specifications:

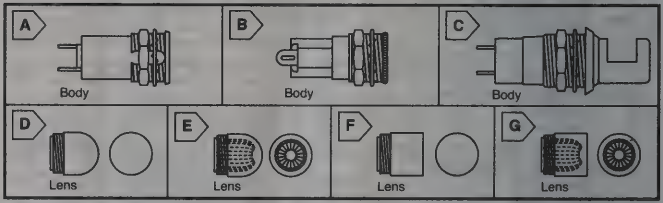
- Mounting hole: 6063 Series - .375" / 6073 Series - .500"
- Mounting centers: 6063 Series - .500" / 6073 Series - .688"
- Panel thickness: 6063 Series - 1.25" / 6073 Series - .078"
- Bezel (6073 only): chrome plated brass
- Wire leads: 22AWG stranded black 105°C PVC
- Electrical: 125VAC, built-in 30KΩ 1/4W resistor
- UL Recognized, CSA Certified

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	Price Each		
				1	10	100
606-6063-001-534R	A	Red	Flat face with no bezel	2.75	2.38	2.29
606-6063-001-634R	B	Red	Conical face with no bezel	2.75	2.38	2.29
606-6073-001-534R	C	Red	Flat face with chrome bezel	3.80	3.29	3.16
606-6073-001-634R	D	Red	Conical face with chrome bezel	3.80	3.29	3.16
606-6073-001-634W	D	White	Conical face with chrome bezel	3.80	3.29	3.16

T-2 AND T-3 1/4 MINIATURE RELAMPABLE INDICATORS

(For use with Bayonet Incandescent and Neon Lamps)



Specifications:

- Mounting hole: .688"
- Mounting centers: .969" min.
- Panel thickness: .406" max.
- lock washer: chromate treated steel
- Housing material: 5100 Series - glass filled polyester
  5200 Series - phenolic
  900-200 Series - black anodized aluminum
- Hex nut: zinc plated steel
- Lens (5100 and 5200 Series): high temperature lexan

Body

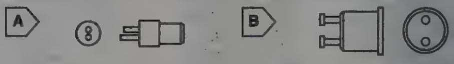
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
606-5100-822	A	Solder lug terminals, no resistor	3.18	2.76	2.65
606-5100-823	A	Screw type terminals, no resistor	5.32	4.64	4.46
606-5100-824	A	.250" quick connect terminals, no resistor	5.09	4.41	4.24
606-5200-222	B	Solder lug terminals, no resistor	7.07	6.09	5.92
606-5200-232	B	Solder lug terminals, 22KΩ resistor	13.39	11.61	11.16
606-5200-242	B	Solder lug terminals, 100KΩ resistor	13.66	11.84	11.38
606-900-200	C	Instrument lite, solder lug terminals	15.39	13.34	12.82

Lenses (for 606-5100 and 606-5200 series, shown above) **For quantities of 500 or more, call for quote.**

606-25P-306R	D	Transparent red dome	1.01	.88	.85
606-25P-306A	D	Transparent amber dome	1.01	.88	.85
606-25P-306G	D	Transparent green dome	1.01	.88	.85
606-25P-306C	D	Transparent clear dome	1.01	.88	.85
606-25P-307R	D	Translucent red dome	1.01	.88	.85
606-25P-307G	D	Translucent green dome	1.01	.88	.85
606-25P-307Y	D	Translucent yellow dome	1.01	.88	.85
606-25P-307W	D	Translucent white dome	1.01	.88	.85
606-25P-326R	E	Transparent red fluted dome	1.01	.88	.85
606-25P-326A	E	Transparent amber fluted dome	1.01	.88	.85
606-25P-326G	E	Transparent green fluted dome	1.01	.88	.85
606-25P-326C	E	Transparent clear fluted dome	1.01	.88	.85
606-25P-606A	F	Transparent amber cylindrical	1.01	.88	.85
606-25P-606R	F	Transparent red cylindrical	1.01	.88	.85
606-25P-606G	F	Transparent green cylindrical	1.01	.88	.85
606-25P-606C	F	Transparent clear cylindrical	1.01	.88	.85
606-25P-607R	F	Translucent red cylindrical	1.01	.88	.85
606-25P-607G	F	Translucent green cylindrical	1.01	.88	.85
606-25P-607Y	F	Translucent yellow cylindrical	1.01	.88	.85
606-25P-607W	F	Translucent white cylindrical	1.01	.88	.85
606-25P-626R	G	Transparent red fluted cylindrical	1.01	.88	.85
606-25P-626A	G	Transparent amber fluted cylindrical	1.01	.88	.85
606-25P-626G	G	Transparent green fluted cylindrical	1.01	.88	.85
606-25P-626C	G	Transparent clear fluted cylindrical	1.01	.88	.85

RELAMPABLE INDICATOR HOLDERS



For quantities of 500 or more, call for quote.

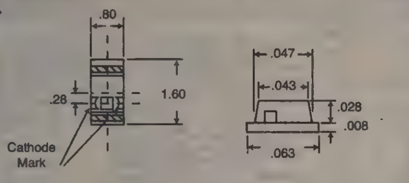
MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
606-CM21-1	A	T-3/4 & T-1 bi-pin base lamp socket	4.86	4.21	4.05
606-CM21-2	B	T-1 3/4 bi-pin base lamp socket	5.44	4.71	4.53

DIALIGHT SMD LEDs

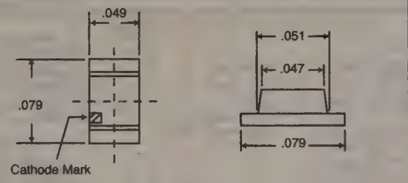
Products may be RoHS compliant. Check mouser.com for RoHS status.

Dialight

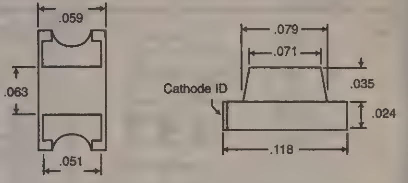
A



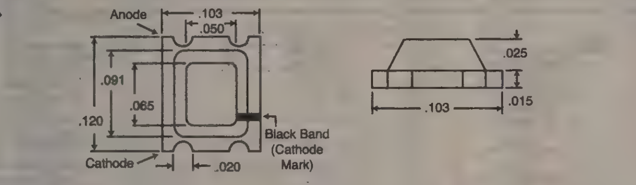
B



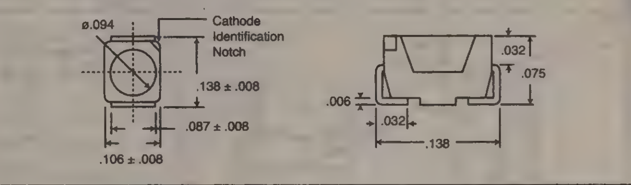
C



D



E



DIMENSIONS: In.

Dialight SURFACE MOUNT LED - MicroLED® SERIES

NEW FROM SUPPLIER

RoHS Compliant

For quantities of 2000 and up, call for quote.

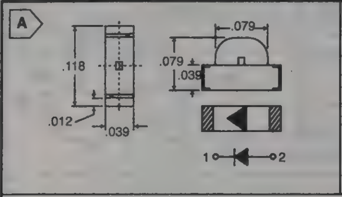
MOUSER STOCK NO.	Dialight Part No.	Fig.	Size	Color	Wavelength	Luminous Intensity (Max)	Voltage (Max)	Viewing Angle	Price Each			
									1	100	500	1000
645-597-5112-407F	597-5112-407F	A	0603	Red	660	11.7	2.3	152	.44	.37	.29	.22
645-598-8010-107F	598-8010-107F	A	0603	Red	642	80	2.4	140	.13	.10	.08	.07
645-597-5004-407F	597-5004-407F	A	0603	Reddish Orange	630	50	2.4	152	1.51	1.26	1.01	.76
645-598-8020-107F	598-8020-107F	A	0603	Reddish Orange	630	200	2.4	140	.15	.11	.09	.07
645-598-8030-107F	598-8030-107F	A	0603	Orange	610	150	2.4	140	.22	.17	.14	.11
645-598-8040-107F	598-8040-107F	A	0603	Yellow	595	160	2.2	140	.15	.11	.09	.07
645-598-8050-107F	598-8050-107F	A	0603	Yellow	590	160	2.4	140	.15	.11	.09	.07
645-598-8060-107F	598-8060-107F	A	0603	Yellow Green	575	60	2.4	140	.13	.10	.08	.07
645-597-5412-407F	597-5412-407F	A	0603	Yellowish Green	570	11.7	2.8	152	.44	.37	.29	.22
645-598-8070-107F	598-8070-107F	A	0603	Yellowish Green	570	40	2.4	140	.13	.10	.08	.07
645-597-5312-402F	597-5312-402F	A	0603	Green	560	6.4	2.8	152	.44	.37	.29	.22
645-598-8080-107F	598-8080-107F	A	0603	Green	525	300	3.5	140	.61	.46	.38	.30
645-598-8081-107F	598-8081-107F	A	0603	Green	525	400	3.5	140	.65	.49	.41	.32
645-598-8090-107F	598-8090-107F	A	0603	Blue	475	140	3.5	140	.52	.39	.33	.26
645-598-8091-107F	598-8091-107F	A	0603	Blue	475	160	3.5	140	.54	.41	.34	.27
645-597-5111-407F	597-5111-407F	B	0805	Red	660	11.7	2.3	140	.47	.40	.32	.24
645-598-8110-107F	598-8110-107F	B	0805	Red	642	80	2.4	140	.12	.09	.08	.06
645-598-8120-107F	598-8120-107F	B	0805	Reddish Orange	630	200	2.4	140	.13	.10	.08	.07
645-598-8140-107F	598-8140-107F	B	0805	Yellow	595	160	2.4	140	.13	.10	.08	.07
645-597-3222-407F	597-3222-407F	B	0805	Yellow	594	65	2.4	156	1.04	.87	.69	.52
645-598-8150-107F	598-8150-107F	B	0805	Yellow	590	160	2.4	140	.13	.10	.08	.07
645-598-8160-107F	598-8160-107F	B	0805	Yellow Green	575	60	2.4	140	.12	.09	.08	.06
645-597-5411-407F	597-5411-407F	B	0805	Yellowish Green	570	11.7	2.8	140	.50	.42	.34	.25
645-598-8170-107F	598-8170-107F	B	0805	Yellowish Green	570	40	2.4	140	.12	.09	.08	.06
645-598-8130-107F	598-8130-107F	B	0805	Orange	610	150	2.4	140	.22	.17	.14	.11
645-597-3212-407F	597-3212-407F	B	0805	Orange	609	65	2.4	156	.72	.60	.48	.36
645-597-5311-407F	597-5311-407F	B	0805	Green	560	6.4	2.8	140	.47	.40	.32	.24
645-598-8180-107F	598-8180-107F	B	0805	Green	525	300	3.5	140	.61	.46	.38	.30
645-598-8181-107F	598-8181-107F	B	0805	Green	525	400	3.5	140	.65	.49	.41	.32
645-598-8190-107F	598-8190-107F	B	0805	Blue	475	140	3.5	140	.40	.30	.25	.20
645-598-8191-107F	598-8191-107F	B	0805	Blue	475	160	3.5	140	.44	.33	.28	.22
645-597-3111-407F	597-3111-407F	C	1206	Red	660	17	2.2	70	.47	.40	.32	.24
645-598-8210-107F	598-8210-107F	C	1206	Red	640	80	2.4	140	.14	.10	.09	.07
645-598-9210-107F	598-9210-107F	C	1206	Red	640	80	2.4	140	.14	.10	.09	.07
645-598-8220-107F	598-8220-107F	C	1206	Reddish Orange	630	200	2.4	140	.14	.11	.09	.07
645-598-9220-107F	598-9220-107F	C	1206	Reddish Orange	630	200	2.4	140	.14	.11	.09	.07
645-598-8230-107F	598-8230-107F	C	1206	Orange	610	150	2.4	140	.22	.17	.14	.11
645-598-9230-107F	598-9230-107F	C	1206	Orange	610	150	2.4	140	.22	.17	.14	.11
645-598-8240-107F	598-8240-107F	C	1206	Yellow	595	160	2.4	140	.14	.10	.09	.07
645-598-8250-107F	598-8250-107F	C	1206	Yellow	590	160	2.4	140	.14	.10	.09	.07
645-598-9250-107F	598-9250-107F	C	1206	Yellow	590	160	2.4	140	.14	.10	.09	.07
645-597-3401-402F	597-3401-402F	C	1206	Yellow	580	6	2.5	70	.36	.30	.24	.18
645-598-8260-107F	598-8260-107F	C	1206	Yellow Green	575	60	2.4	140	.14	.10	.09	.07
645-598-9260-107F	598-9260-107F	C	1206	Yellow Green	575	60	2.4	140	.14	.10	.09	.07
645-598-8270-107F	598-8270-107F	C	1206	Yellowish Green	570	40	2.4	140	.14	.10	.09	.07
645-598-9270-107F	598-9270-107F	C	1206	Yellowish Green	570	40	2.4	140	.14	.10	.09	.07
645-597-3311-407F	597-3311-407F	C	1206	Green	560	7.5	2.5	70	.47	.40	.32	.24
645-598-8280-107F	598-8280-107F	C	1206	Green	525	300	3.5	140	.61	.46	.38	.30
645-598-9280-107F	598-9280-107F	C	1206	Green	525	300	3.5	140	.61	.46	.38	.30
645-598-8281-107F	598-8281-107F	C	1206	Green	525	400	3.5	140	.65	.49	.41	.32
645-598-9281-107F	598-9281-107F	C	1206	Green	525	400	3.5	140	.65	.49	.41	.32
645-598-8290-107F	598-8290-107F	C	1206	Blue	475	140	3.5	140	.40	.30	.25	.20
645-598-9290-107F	598-9290-107F	C	1206	Blue	475	140	3.5	140	.40	.30	.25	.20
645-598-8291-107F	598-8291-107F	C	1206	Blue	475	160	3.5	140	.44	.33	.28	.22
645-598-9291-107F	598-9291-107F	C	1206	Blue	475	160	3.5	140	.44	.33	.28	.22
645-597-3111-102F	597-3111-102F	D	1210	Red	660	8	2.6	170	.63	.53	.42	.32
645-597-3001-102F	597-3001-102F	D	1210	Reddish Orange	630	4	2.6	170	.57	.47	.38	.28
645-597-3211-102F	597-3211-107F	D	1210	Orange	610	8	2.8	170	.63	.53	.42	.32
645-597-3401-102F	597-3401-102F	D	1210	Yellow	585	8	2.8	160	.63	.53	.42	.32
645-597-3301-102F	597-3301-107F	D	1210	Green	565	12	2.6	170	.57	.47	.38	.28
645-597-3001-207F	597-3001-207F	E	PLCC-2	Red	635	6	2.6	150	.57	.47	.38	.28
645-597-3121-202F	597-3121-202F	E	PLCC-2	Red	660	20	2.6	120	.69	.58	.46	.35
645-597-3301-202F	597-3301-202F	E	PLCC-2	Green	565	9.4	2.6	120	.57	.47	.38	.28
645-597-3401-202F	597-3401-202F	E	PLCC-2	Yellow	586	4	2.6	120	.57	.47	.38	.28

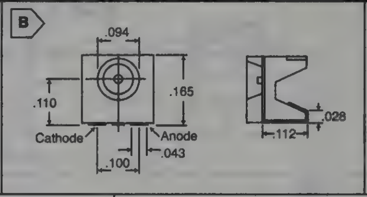
DIALIGHT SMD LEDs

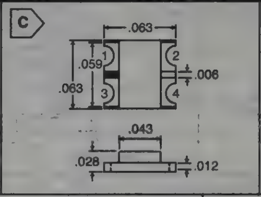
Products may be RoHS compliant. Check mouser.com for RoHS status.

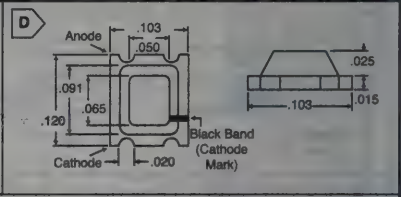
Dialight

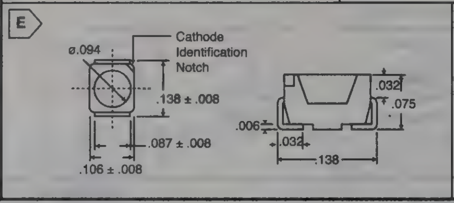
DIMENSIONS: in.

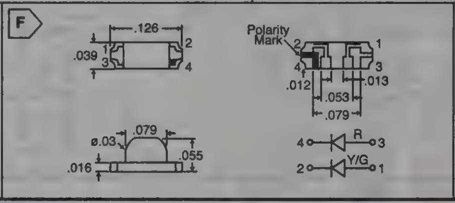


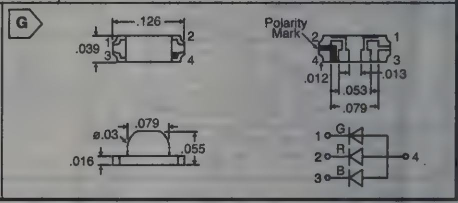












Dialight SURFACE MOUNT LED - MicroLED® SERIES (CONT.)

NEW FROM SUPPLIER

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Dialight Part No.	Fig.	Size	Color	Wavelength	Luminous Intensity (Max)	Voltage (Max)	Viewing Angle	Price Each			
									1	100	500	1000
645-597-2111-407F	597-2111-407F	A	RA	Red	660	12.4	2.3	130	.50	.42	.34	.25
645-598-8310-107F	598-8310-107F	A	RA	Red	640	70	2.4	160	.16	.12	.10	.08
645-598-8320-107F	598-8320-107F	A	RA	Reddish Orange	630	150	2.4	160	.18	.14	.12	.09
645-598-8330-107F	598-8330-107F	A	RA	Orange	610	150	2.4	160	.22	.17	.14	.11
645-597-2201-407F	597-2201-407F	A	RA	Orange	605	3	2.8	130	.50	.42	.34	.25
645-598-8340-107F	598-8340-107F	A	RA	Yellow	595	160	2.4	160	.18	.14	.12	.09
645-598-8350-107F	598-8350-107F	A	RA	Yellow	590	160	2.4	160	.18	.14	.12	.09
645-597-2401-407F	597-2401-407F	A	RA	Yellow	580	3	2.8	130	.50	.42	.34	.25
645-598-8360-107F	598-8360-107F	A	RA	Yellow Green	575	60	2.4	160	.16	.12	.10	.08
645-598-8370-107F	598-8370-107F	A	RA	Yellowish Green	570	50	2.4	160	.16	.12	.10	.08
645-597-2311-402F	597-2311-402F	A	RA	Green	560	5.2	2.8	130	.50	.42	.34	.25
645-598-8380-107F	598-8380-107F	A	RA	Green	525	300	3.5	160	.65	.49	.41	.32
645-598-8391-107F	598-8391-107F	A	RA	Blue	475	160	3.5	160	.44	.33	.28	.22
645-597-2001-213F	597-2001-213F	B	RA	Red	635	32	2.6	120	.50	.42	.34	.25
645-597-2401-213F	597-2401-213F	B	RA	Yellow	586	32	2.6	120	.50	.42	.34	.25
645-597-2301-213F	597-2301-213F	B	RA	Green	565	32	2.6	120	.50	.42	.34	.25
Bi-Color and Multi Color LEDs												
645-598-8410-207F	598-8410-207F	C	0606	Red / Yellowish Green	645/570	80/50	2.4	140	.30	.23	.19	.15
645-598-8470-207F	598-8470-207F	C	0606	Red / Yellow Green	639/575	60/40	2.4	140	.30	.23	.19	.15
645-598-8421-207F	598-8421-207F	C	0606	RedOrg / Green	630/530	120/240	2.4	140	.79	.59	.50	.40
645-598-8430-207F	598-8430-207F	C	0606	Orange / Yellowish Green	610/570	150/50	2.4	140	.30	.23	.19	.15
645-598-8460-207F	598-8460-207F	C	0606	Yellow / Red	595/645	150/60	2.4	140	.30	.23	.19	.15
645-598-8440-207F	598-8440-207F	C	0606	Yellow / Green	595/575	150/65	2.4	140	.30	.23	.19	.15
645-598-8450-207F	598-8450-207F	C	0606	Yellow / Green	592/530	150/140	2.4	140	.79	.59	.50	.40
645-598-8710-307F	598-8710-307F	C	0606	Red / Green / Blue	645/530/475	80/220/140	2.2	140	2.63	2.06	1.88	1.50
645-598-8720-307F	598-8720-307F	C	0606	RedOrg / Green / Blue	630/530/475	150/220/90	2.4	140	2.63	2.06	1.88	1.50
645-598-8721-307F	598-8721-307F	C	0606	RedOrg / Green / Blue	630/530/475	150/220/90	2.4	140	2.63	2.06	1.88	1.50
645-598-8730-307F	598-8730-307F	C	0606	Orange / Green / Blue	610/530/475	150/300/140	2.4	140	2.63	2.06	1.88	1.50
645-598-8740-307F	598-8740-307F	C	0606	Yellow / Green / Blue	595/530/475	150/300/140	2.4	140	2.63	2.06	1.88	1.50
645-598-8610-207F	598-8610-207F	D	1210	Red / Yellowish Green	645/570	80/50	2.4	140	.30	.23	.19	.15
645-598-8670-207F	598-8670-207F	D	1210	Red / Yellow Green	639/575	80/50	2.4	140	.30	.23	.19	.15
645-597-7731-107F	597-7731-107F	D	1210	Red / Yellow	630/585	4.0/8.0	2.6/2.8	170	.66	.55	.44	.33
645-597-7701-107F	597-7701-107F	D	1210	Red / Green	630/565	4.0/12.0	2.6/2.6	170	.82	.68	.55	.41
645-598-8621-207F	598-8621-207F	D	1210	RedOrg / Green	630/530	120/240	2.4	140	.79	.59	.50	.40
645-598-8630-207F	598-8630-207F	D	1210	Orange / Yellowish Green	610/570	150/50	2.4	140	.30	.23	.19	.15
645-598-8660-207F	598-8660-207F	D	1210	Yellow / Red	592/645	150/80	2.4	140	.30	.23	.19	.15
645-598-8640-207F	598-8640-207F	D	1210	Yellow / Yellowish Green	592/570	150/50	2.4	140	.30	.23	.19	.15
645-598-8650-207F	598-8650-207F	D	1210	Yellow / Green	592/530	120/220	2.4	140	.79	.59	.50	.40
645-597-7721-107F	597-7721-107F	D	1210	Yellow / Green	585/565	8.0/12.0	2.8/2.6	170	.92	.76	.61	.46
645-598-8680-207F	598-8680-207F	D	1210	Green / Blue	530/475	300/90	3.5	140	1.06	.80	.67	.53
645-598-8610-307F	598-8610-307F	D	1210	Red / Green / Blue	645/530/475	80/220/140	2.2	140	2.63	2.06	1.88	1.50
645-598-8920-307F	598-8920-307F	D	1210	RedOrg / Green / Blue	630/530/475	150/220/90	2.2	140	2.63	2.06	1.88	1.50
645-598-9920-307F	598-9920-307F	D	1210	RedOrg / Green / Blue	630/530/475	80/150/60	2.4	140	2.63	2.06	1.88	1.50
645-598-8930-307F	598-8930-307F	D	1210	Orange / Green / Blue	610/530/475	150/300/140	2.4	140	2.63	2.06	1.88	1.50
645-598-8940-307F	598-8940-307F	D	1210	Yellow / Green / Blue	595/530/475	150/300/140	2.4	140	2.63	2.06	1.88	1.50
645-597-7731-202F	597-7731-202F	E	PLCC-4	Red / Yellow	635/586	7.3/6.8	2.5/2.6	120	1.80	1.50	1.20	1.05
645-597-7701-207F	597-7701-207F	E	PLCC-4	Red / Green	635/565	6.0/9.4	2.6/2.6	120	.85	.71	.57	.43
645-597-7721-207F	597-7721-207F	E	PLCC-4	Yellow / Green	586/565	4.0/9.4	2.6/2.6	120	.75	.63	.50	.38
645-598-8510-207F	598-8510-207F	F	RA	Red / Yellowish Green	645/570	80/50	2.4	160	.30	.23	.19	.15
645-598-8570-207F	598-8570-207F	F	RA	Red / Yellow Green	640/575	80/50	2.4	160	.30	.23	.19	.15
645-598-8520-207F	598-8520-207F	F	RA	RedOrg / Yellowish Green	630/570	150/50	2.4	160	.30	.23	.19	.15
645-598-8530-207F	598-8530-207F	F	RA	Orange / Yellowish Green	610/570	150/50	2.4	160	.30	.23	.19	.15
645-598-8560-207F	598-8560-207F	F	RA	Yel / Red	592/645	150/60	2.4	160	.30	.23	.19	.15
645-598-8540-207F	598-8540-207F	F	RA	Yellow / Yellowish Green	592/570	150/50	2.4	160	.30	.23	.19	.15
645-598-8550-207F	598-8550-207F	F	RA	Yellow / Green	592/530	150/220	2.2	160	.79	.59	.50	.40
645-598-8580-207F	598-8580-207F	F	RA	Blue / Green	475/525	80/240	3.4	160	1.06	.80	.67	.53
645-598-8810-307F	598-8810-307F	G	RA	Red / Green / Blue	645/530/475	80/220/140	2.4	160	2.63	2.06	1.88	1.50
645-598-8820-307F	598-8820-307F	G	RA	RedOrg / Green / Blue	630/530/475	150/300/140	2.4	160	2.63	2.06	1.88	1.50
645-598-8821-307F	598-8821-307F	G	RA	RedOrg / Green / Blue	630/530/475	150/300/140	2.4	160	2.63	2.06	1.88	1.50
645-598-8830-307F	598-8830-307F	G	RA	Orange / Green / Blue	610/530/475	150/300/140	2.4	160	2.63	2.06	1.88	1.50
645-598-8840-307F	598-8840-307F	G	RA	Yellow / Green / Blue	595/530/475	150/300/140	2.4	160	2.63	2.06	1.88	1.50

DIALIGHT LED Panel Mount Indicators

RoHS Compliant This page of product is compliant.

Dialight

Dialight INCANDESCENT REPLACEMENT LAMPS

For quantities of 2,000 and up, call for quote. RoHS Compliant

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	Peak Wave-length	Voltage (Max)	Current (mA)	mcd	Price Each			
								1	10	50	100
Multi-Chip Bayonet Base (T-3 1/4)											
645-585-4123	585-4123	A	Red	630	14	30	38	9.90	8.25	7.43	6.60
645-585-4223	585-4223	A	Ultra Red	660	14	30	60	10.50	8.75	7.88	7.00
645-585-4323	585-4323	A	Green	565	14	28	70	9.90	8.25	7.43	6.60
645-585-4125	585-4125	A	Red	630	28	15	38	9.90	8.25	7.43	6.60
645-585-4225	585-4225	A	Ultra Red	660	28	16	64	10.50	8.75	7.88	7.00
645-585-4325	585-4325	A	Green	565	28	15	75	9.90	8.25	7.43	6.60
Cluster Bayonet Base (T-3 1/4)											
645-585-5223	585-5223	B	Ultra Red	660	14	40	480	17.45	15.86	13.29	17.45
645-585-5323	585-5323	B	Green	565	14	40	420	17.45	15.86	13.29	17.45
645-585-5423	585-5423	B	Yellow	525	14	40	420	17.45	15.86	13.29	17.45
645-585-5523	585-5523	B	Bright Yellow	592	14	60	1800	20.63	18.75	15.70	20.63
645-585-5225	585-5225	B	Ultra Red	660	28	20	560	17.45	15.86	13.29	17.45
645-585-5325	585-5325	B	Green	565	28	20	490	17.45	15.86	13.29	17.45
Multi-Chip Wedge Base (T-1 3/4)											
645-585-2223	585-2223	C	Ultra Red	660	14	30	60	9.00	7.50	6.75	6.00
645-585-2323	585-2323	C	Green	565	14	28	70	8.55	7.13	6.41	5.70
645-585-2423	585-2423	C	Yellow	585	14	30	23	8.55	7.13	6.41	5.70
645-585-2225	585-2225	C	Ultra Red	660	28	16	64	9.00	7.50	6.75	6.00
645-585-2325	585-2325	C	Green	565	28	15	75	8.55	7.13	6.41	5.70
645-585-2425	585-2425	C	Yellow	585	28	15	23	8.55	7.13	6.41	5.70

Dialight LED SNAP-IN PANEL MOUNT INDICATORS .156" MOUNTING HOLE

For quantities of 2,000 and up, call for quote. RoHS Compliant

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	Voltage (Max)	Current (mA)	mcd	Price Each			
							1	10	50	100
Straight Terminals										
645-558-0101-001F	558-0101-001F	D	Red	2	10	10	.90	.72	.63	.57
645-558-1101-001F	558-1101-001F	D	Red	1.8	2	1.8	1.20	.96	.84	.76
645-558-0301-001F	558-0301-001F	D	Yellow	2.1	10	6.3	.90	.72	.63	.57
645-558-1201-001F	558-1201-001F	D	Yellow	1.9	2	1.6	1.20	.96	.84	.76
645-558-0201-001F	558-0201-001F	D	Green	2.1	10	16	.90	.72	.63	.57
645-558-1301-001F	558-1301-001F	D	Green	1.8	2	1.6	1.20	.96	.84	.76
645-558-3001-001F	558-3001-001F	D	R/G	2/2	10	5/5	1.86	1.49	1.30	1.18
645-558-3201-001F	558-3201-001F	D	Y/G	2.1/2.1	20	6.3/4.3	1.86	1.49	1.30	1.18
14" Wire Leads										
645-558-0101-007F	558-0101-007F	E	Red	2	10	10	1.74	1.39	1.22	1.10
645-558-1101-007F	558-1101-007F	E	Red	1.8	2	1.8	1.95	1.56	1.37	1.24
645-558-0102-007F	558-0102-007F	E	Red	5	10	4	2.10	1.68	1.47	1.33
645-558-0302-007F	558-0302-007F	E	Yellow	5	10	8	2.10	1.68	1.47	1.33
645-558-0301-007F	558-0301-007F	E	Yellow	2.1	10	6.3	1.74	1.39	1.22	1.10
645-558-1201-007F	558-1201-007F	E	Yellow	1.9	2	1.6	1.95	1.56	1.37	1.24
645-558-0201-007F	558-0201-007F	E	Green	2.1	10	16	1.74	1.39	1.22	1.10
645-558-1301-007F	558-1301-007F	E	Green	1.8	2	1.6	1.95	1.56	1.37	1.24
645-558-3001-007F	558-3001-007F	E	R/G	2/2	10	1.6	2.34	1.87	1.64	1.48
645-558-3201-007F	558-3201-007F	E	Y/G	2.1/2.1	20	5/15	2.34	1.87	1.64	1.48

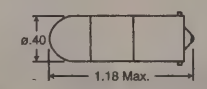
Dialight LED SNAP-IN PANEL MOUNT INDICATORS .250" MOUNTING HOLE

For quantities of 2,000 and up, call for quote. RoHS Compliant

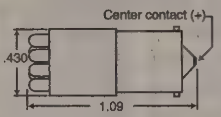
Standard Straight Terminals										
645-559-0102-001F	559-0102-001F	F	Red	5	13	2	2.00	1.50	1.00	.88
645-559-1101-001F	559-1101-001F	F	Red	1.8	2	2	1.20	1.00	.80	.76
645-559-2101-001F	559-2101-001F	F	Red	2.2	10	7	1.05	.88	.70	.67
645-559-0302-001F	559-0302-001F	F	Yellow	5	10	8	2.00	1.50	1.00	.88
645-559-1201-001F	559-1201-001F	F	Yellow	1.9	2	1.8	1.20	1.00	.80	.76
645-559-2301-001F	559-2301-001F	F	Yellow	2.1	10	6.3	1.05	.88	.70	.67
645-559-0202-001F	559-0202-001F	F	Green	5	12	8	2.00	1.50	1.00	.88
645-559-1301-001F	559-1301-001F	F	Green	1.8	2	1.8	1.20	1.00	.80	.76
645-559-2201-001F	559-2201-001F	F	Green	2.1	10	10	1.05	.88	.70	.67
645-559-3001-001F	559-3001-001F	F	R/G	1.8/2.1	20	60/20	1.95	1.63	1.30	1.24
645-559-3101-001F	559-3101-001F	F	R/G	1.8/2.1	20	60/20	1.86	1.55	1.24	1.18
645-559-3201-001F	559-3201-001F	F	Y/G	2.1/2.1	20	8.7/8.7	1.86	1.55	1.24	1.18
High Bright Diffused Straight Terminals										
645-559-5101-001F	559-5101-001F	F	Red	2.1	20	34	1.14	.95	.76	.72
645-559-5301-001F	559-5301-001F	F	Yellow	2.2	20	34	1.14	.95	.76	.72
645-559-5201-001F	559-5201-001F	F	Green	2.2	20	34	1.14	.95	.76	.72
Ultra Bright Diffused Straight Terminals										
645-559-6101-001F	559-6101-001F	F	Red	1.9	20	2100	3.20	2.40	1.60	1.40
645-559-5901-001F	559-5901-001F	F	Amber	2.02	20	3100	3.20	2.40	1.60	1.40
645-559-6201-001F	559-6201-001F	F	Green	3.5	20	2200	9.30	6.20	5.43	4.65
645-559-6001-001F	559-6001-001F	F	Blue	3.6	20	650	9.30	6.20	5.43	4.65
645-559-6401-001F	559-6401-001F	F	White	3.5	20	600	9.30	6.20	5.43	4.65
Standard 14" Wire Leads										
645-559-0102-007F	559-0102-007F	G	Red	5	13	2	1.95	1.63	1.30	1.24
645-559-1101-007F	559-1101-007F	G	Red	1.8	2	2	1.80	1.50	1.20	1.14
645-559-2101-007F	559-2101-007F	G	Red	2.2	10	7	1.50	1.25	1.00	.95
645-559-0302-007F	559-0302-007F	G	Yellow	5	10	8	1.95	1.63	1.30	1.24
645-559-1201-007F	559-1201-007F	G	Yellow	1.8	2	1.8	1.80	1.50	1.20	1.14
645-559-2301-007F	559-2301-007F	G	Yellow	2.1	10	6.3	1.50	1.25	1.00	.95
645-559-0202-007F	559-0202-007F	G	Green	5	12	8	1.95	1.63	1.30	1.24
645-559-1301-007F	559-1301-007F	G	Green	1.8	2	1.8	1.80	1.50	1.20	1.14
645-559-2201-007F	559-2201-007F	G	Green	2.1	10	10	1.50	1.25	1.00	.95
645-559-3001-007F	559-3001-007F	G	R/G	1.7/2.0	20	60/40	2.31	1.93	1.54	1.46
645-559-3201-007F	559-3201-007F	G	Y/G	1.8/2.1	20	8.7/8.7	2.31	1.93	1.54	1.46
645-559-3501-007F	559-3501-007F	H	R/G	2.1/2.3	10	5.0/8.0	3.75	3.13	2.50	2.38
645-559-3601-007F	559-3601-007F	H	Y/G	1.6/1.6	10	5.0/8.0	3.75	3.13	2.50	2.38
High Bright Diffused 14" Wire Leads										
645-559-5101-007F	559-5101-007F	G	Red	2.1	20	34	1.65	1.38	1.10	1.05
645-559-5301-007F	559-5301-007F	G	Yellow	2.1	20	34	1.65	1.38	1.10	1.05
645-559-5201-007F	559-5201-007F	G	Green	2.1	20	34	1.65	1.38	1.10	1.05
Ultra Bright Diffused 14" Wire Leads										
645-559-6101-007F	559-6101-007F	G	Red	1.9	20	2100	2.85	2.38	1.90	1.81
645-559-5901-007F	559-5901-007F	G	Amber	2.02	20	3100	2.85	2.38	1.90	1.81
645-559-6201-007F	559-6201-007F	G	Green	3.5	20	2200	9.75	8.13	6.50	6.18
645-559-6001-007F	559-6001-007F	G	Blue	3.6	20	650	9.75	8.13	6.50	6.18
645-559-6401-007F	559-6401-007F	G	White	3.5	20	600	9.75	8.13	6.50	6.18

DIMENSIONS IN.

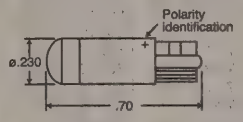
A



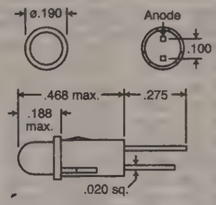
B



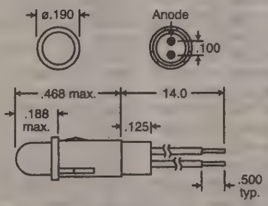
C



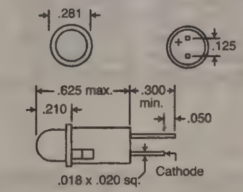
D



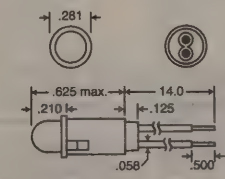
E



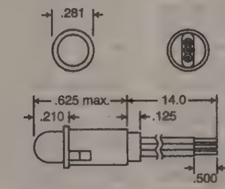
F



G



H



DIALIGHT LED Panel Mount Indicators

Dialight

Products may be RoHS compliant.
Check mouser.com for RoHS status.

Dialight LED PANEL MOUNT INDICATORS

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	Voltage (Max)	Current (mA)	mcd	Price Each			
							1	25	100	500
605 Series, 5mm Mounting Hole										
645-605-1111-110F	605-1111-110F	A	Red	2	10	1.2	2.67	1.78	1.34	1.16
645-605-1311-110F	605-1311-110F	A	Yellow	2	15	2	3.21	2.14	1.61	1.39
645-605-1211-110F	605-1211-110F	A	Green	2	15	0.8	3.21	2.14	1.61	1.39
606 Series, 6mm Mounting Hole										
645-606-1111-110F	606-1111-110F	B	Red	2	5	2.4	2.67	1.78	1.34	1.16
645-606-1311-110F	606-1311-110F	B	Yellow	2	10	3.7	3.21	2.14	1.61	1.39
645-606-1211-110F	606-1211-110F	B	Green	2	15	3	3.21	2.14	1.61	1.39
645-606-2111-110F	606-2111-110F	C	Red	2	5	2.4	2.67	1.78	1.34	1.16
645-606-2211-110F	606-2211-110F	C	Green	2	15	3	3.00	2.00	1.50	1.30
645-606-2415-110F	606-2415-110F	D	Red/Green	2	5/20	.6/1	6.93	4.62	3.47	3.00
645-606-2415-120F	606-2415-120F	D	Red/Green	6	5/20	.6/1	8.38	5.59	4.19	3.63
645-606-2415-130F	606-2415-130F	D	Red/Green	12	5/20	.6/1	8.38	5.59	4.19	3.63
607 Series, 7mm Mounting Hole										
645-607-2112-110F	607-2112-110F	E	Red	2	15	8	3.15	2.10	1.58	1.37
645-607-2312-110F	607-2312-110F	E	Yellow	2	15	2.2	3.72	2.48	1.86	1.61
645-607-2212-110F	607-2212-110F	E	Green	2	15	8	3.48	2.32	1.74	1.51
645-607-2112-120F	607-2112-120F	F	Red	6	15	8	4.39	2.93	2.20	1.90
645-607-2112-130F	607-2112-130F	F	Red	12	15	8	4.39	2.93	2.20	1.90
645-607-2312-120F	607-2312-120F	F	Yellow	6	15	2.2	5.08	3.39	2.54	2.20
645-607-2312-130F	607-2312-130F	F	Yellow	12	15	2.2	5.08	3.39	2.54	2.20
645-607-2212-120F	607-2212-120F	F	Green	6	15	8	5.08	3.39	2.54	2.20
645-607-2212-130F	607-2212-130F	F	Green	12	15	8	5.08	3.39	2.54	2.20
645-607-3132-120F	607-3132-120F	G	Red	6	15	8	3.03	2.02	1.52	1.31
645-607-3132-130	607-3132-130	G	Red	6	15	8	3.03	2.02	1.52	1.31
645-607-3232-120F	607-3232-120F	G	Green	6	15	8	3.39	2.26	1.70	1.47
645-607-3232-130F	607-3232-130F	G	Green	6	15	8	3.39	2.26	1.70	1.47
608 Series, 8mm Mounting Hole										
645-608-1131-110F	608-1131-110F	H	Red	2	15	20	2.34	1.56	1.17	1.01
645-608-1331-110F	608-1331-110F	H	Yellow	2	15	4	2.85	1.90	1.43	1.24
645-608-1231-110F	608-1231-110F	H	Green	2	15	15	2.67	1.78	1.34	1.16
645-608-1132-220F	608-1132-220F	I	Red	6	15	20	3.21	2.14	1.61	1.39
645-608-1132-230F	608-1132-230F	I	Red	12	15	20	3.21	2.14	1.61	1.39
645-608-1332-220F	608-1332-220F	I	Yellow	6	15	10	3.39	2.26	1.70	1.47
645-608-1232-220F	608-1232-220F	I	Green	6	15	20	3.39	2.26	1.70	1.47
645-608-1232-230F	608-1232-230F	I	Green	12	15	20	3.39	2.26	1.70	1.47
645-608-3131-110F	608-3131-110F	J	Red	2	15	20	2.34	1.56	1.17	1.01
645-608-3231-110F	608-3231-110F	J	Green	2	15	15	2.67	1.78	1.34	1.16
645-608-3331-110F	608-3331-110F	J	Yellow	2	15	4	2.85	1.90	1.43	1.24
609 Series, 9mm Mounting Hole										
645-609-1112-120	609-1112-120	K	Red	6	15	20	4.69	3.12	2.34	2.04
645-609-1112-130F	609-1112-130F	K	Red	12	15	20	4.69	3.12	2.34	2.04
645-609-1212-120	609-1212-120	K	Green	6	15	15	5.08	3.39	2.54	2.20
645-609-1212-130F	609-1212-130F	K	Green	12	15	15	5.08	3.39	2.54	2.20
645-609-2112-120F	609-2112-120F	L	Red	6	15	20	4.69	3.12	2.34	2.04
645-609-2112-130F	609-2112-130F	L	Red	12	15	20	4.39	2.93	2.20	1.90
645-609-2312-130F	609-2312-130F	L	Yellow	12	15	4	5.08	3.39	2.54	2.20
645-609-2212-130F	609-2212-130F	L	Green	12	15	15	4.75	3.17	2.38	2.06
610 Series, 10mm Mounting Hole										
645-610-3132-120F	610-3132-120F	M	Red	6	10	250	3.45	2.30	1.73	1.50
645-610-3332-120F	610-3332-120F	M	Yellow	6	10	12	3.69	2.46	1.85	1.60
645-610-3232-120F	610-3232-120F	M	Green	6	10	15	3.69	2.46	1.85	1.60
645-610-4132-120F	610-4132-120F	N	Red	6	10	250	3.45	2.30	1.73	1.50
645-610-4232-120F	610-4232-120F	N	Green	6	10	15	3.45	2.30	1.73	1.50

Dialight 11/16" MOUNTING HOLE, WATERTIGHT

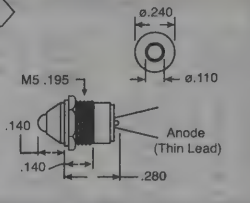
RoHS Compliant

For quantities of 1000 and up, call for quote.

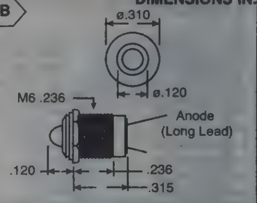
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	Voltage (Max)	Current (mA)	mcd	Price Each			
							1	25	100	500
Superbright										
645-557-1502-203	557-1502-203	O	Red	5	80	1000	16.61	13.65	12.46	11.87
645-557-1503-203	557-1503-203	O	Red	12	20	1000	16.61	13.65	12.46	11.87
645-557-1505-203	557-1505-203	O	Red	24	20	1000	16.61	13.65	12.46	11.87
645-557-1702-203	557-1702-203	O	Yellow	5	80	1000	16.61	13.65	12.46	11.87
645-557-1703-203	557-1703-203	O	Yellow	12	20	1000	16.61	13.65	12.46	11.87
645-557-1705-203	557-1705-203	O	Yellow	24	20	1000	16.61	13.65	12.46	11.87
645-557-1602-203	557-1602-203	O	Green	5	16	1000	18.38	15.10	13.79	13.13
645-557-1603-203	557-1603-203	O	Green	12	16	1000	18.38	15.10	13.79	13.13
645-557-1605-203	557-1605-203	O	Green	24	16	1000	18.38	15.10	13.79	13.13
645-557-1802-203	557-1802-203	O	Blue	5	16	250	18.38	15.10	13.79	13.13
645-557-1803-203	557-1803-203	O	Blue	12	16	250	18.38	15.10	13.79	13.13
645-557-1805-203	557-1805-203	O	Blue	24	16	250	18.38	15.10	13.79	13.13
Bi-Color Superbright										
645-557-1412-203	557-1412-203	P	R/G	5	70/16	400/1000	19.85	16.31	14.89	14.18
645-557-1432-203	557-1432-203	P	Y/G	5	70/16	400/1000	19.85	16.31	14.89	14.18

DIMENSIONS IN.

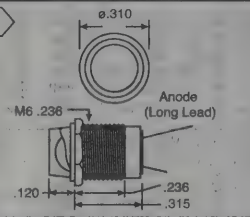
A


ø.240
M5 .195
ø.110
.140
Anode
(Thin Lead)
.140
.280

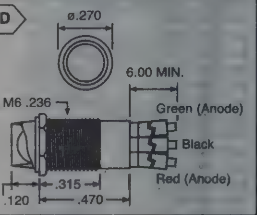
B


ø.310
M6 .236
ø.120
Anode
(Long Lead)
.120
.236
.315

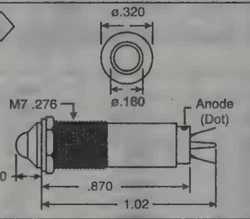
C


ø.310
Anode
(Long Lead)
M6 .236
.120
.236
.315

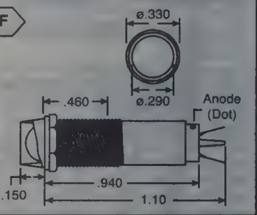
D


ø.270
6.00 MIN.
M6 .236
Green (Anode)
Black
Red (Anode)
.315
.120
.470

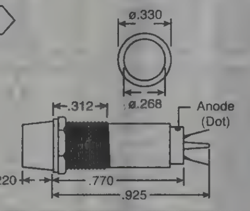
E


ø.320
M7 .276
ø.160
Anode
(Dot)
.160
.870
1.02

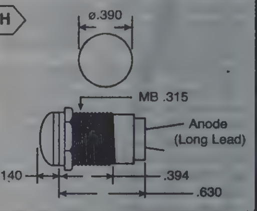
F


ø.330
.460
ø.290
Anode
(Dot)
.150
.940
1.10

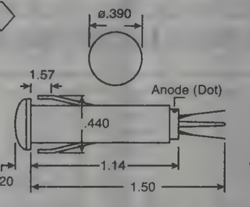
G


ø.330
.312
ø.268
Anode
(Dot)
.220
.770
.925

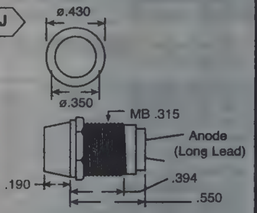
H


ø.390
MB .315
Anode
(Long Lead)
.140
.394
.630

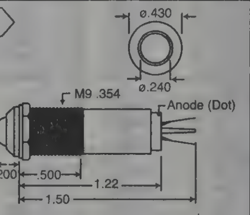
I


ø.390
1.57
Anode (Dot)
.440
.120
1.14
1.50

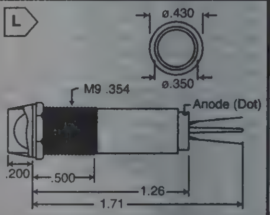
J


ø.430
ø.350
MB .315
Anode
(Long Lead)
.190
.394
.550

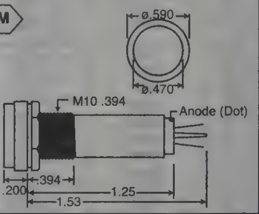
K


ø.430
ø.240
M9 .354
Anode (Dot)
.200
.500
1.22
1.50

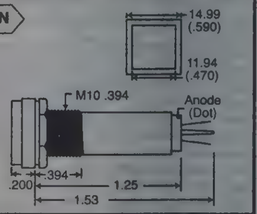
L


ø.430
M9 .354
ø.350
Anode (Dot)
.200
.500
1.26
1.71

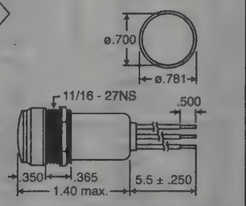
M


ø.590
ø.470
M10 .394
Anode (Dot)
.394
.200
1.25
1.53

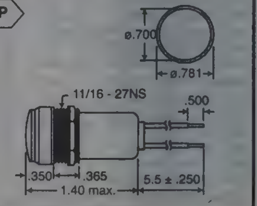
N


14.99
(.590)
11.94
(.470)
M10 .394
Anode
(Dot)
.394
.200
1.25
1.53

O


ø.700
ø.781
11/16 - 27NS
.500
.350
.365
5.5 ± .250
1.40 max.

P


ø.700
ø.781
11/16 - 27NS
.500
.350
.365
5.5 ± .250
1.40 max.

DIALIGHT Circuit Board Indicators

RoHS Compliant This page of product is compliant.

CIRCUIT BOARD INDICATORS

RoHS Compliant

* AlGaAs

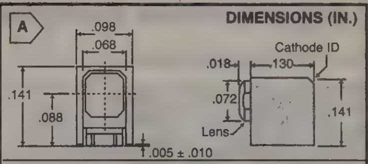
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	Lum. Intens. Typ.	Peak W.length (nm)	Viewing Angle (Deg)	Price Each			
								1	100	500	1000
SMD, 2mm, High Efficiency, Right Angle											
*645-595-2101-007F	595-2101-007F	A	Red	1.7	25.0	640	40	1.40	1.17	.94	.70
645-595-2301-007F	595-2301-007F	A	Green	2.1	11.0	567	40	1.40	1.17	.94	.70
645-595-2401-007F	595-2401-007F	A	Yellow	2.2	9.0	588	40	1.40	1.17	.94	.70
Single 3mm, High Efficiency, Right Angle, Round Lens											
645-591-2001-013F	591-2001-013F	B	Red	2.0	5.0	628	40	1.34	1.12	.89	.67
*645-591-2101-013F	591-2101-013F	B	Red	1.75	14.0	645	40	1.40	1.17	.94	.70
645-591-2301-013F	591-2301-013F	B	Green	2.0	4.0	570	40	1.34	1.12	.89	.67
645-591-2401-013F	591-2401-013F	B	Yellow	2.0	5.0	590	40	1.34	1.12	.89	.67
Single 3mm, Bi-Cle, Round Lens											
*645-591-3001-113F	591-3001-113F	C	R/G	2.0/2.0	6.5/8.0	328/570	40	2.49	2.08	1.66	1.25
Thru-Hole, 2mm,Single, Right Angle											
645-555-2001F	555-2001F	D	Red	1.6	1.2	650	40	1.05	.87	.70	.52
645-555-2301F	555-2301F	D	Green	2.4	1.0	565	40	1.08	.90	.72	.54
645-555-2401F	555-2401F	D	Yellow	2.2	2.0	583	40	1.08	.90	.72	.54
Thru-Hole, 2mm, Single, Right Angle with Intergral Resistor											
645-555-2003F	555-2003F	D	Red	6.0	1.9	650	40	1.17	.98	.78	.59
645-555-2007F	555-2007F	D	Red	3.0	0.9	650	40	1.17	.98	.78	.59
645-555-2008F	555-2008F	D	Red	24	0.9	650	40	1.17	.98	.78	.59
645-555-2303F	555-2303F	D	Green	4.7	2.5	565	40	1.23	1.03	.82	.62
645-555-2403F	555-2403F	D	Yellow	4.7	2.1	583	40	1.02	.85	.68	.51
Thru-Hole, 2mm, Single, Top View											
645-555-3001F	555-3001F	E	Red	1.6	1.2	650	40	1.35	1.13	.90	.68
645-555-3301F	555-3301F	E	Green	2.4	1.0	565	40	1.85	1.54	1.23	.92
645-555-3401F	555-3401F	E	Yellow	2.2	2.0	583	40	1.85	1.54	1.23	.92
Thru-Hole, 2mm, Single, Top View with Integral Resistor											
645-555-3003F	555-3003F	E	Red	6	1.9	650	40	1.69	1.41	1.13	.85
645-555-3007F	555-3007F	E	Red	3.0	0.9	650	40	1.69	1.41	1.13	.85
645-555-3008F	555-3008F	E	Red	24	0.9	650	40	1.69	1.41	1.13	.85
645-555-3009F	555-3009F	E	Red	6	0.6	650	40	1.79	1.49	1.19	.89
645-555-3303F	555-3303F	E	Green	6	2.5	565	40	2.00	1.67	1.33	1.00
645-555-3403F	555-3403F	E	Yellow	6	2.1	583	40	2.00	1.67	1.33	1.00
Thru-Hole, 2mm, Quad, Right Angle											
645-555-4001F	555-4001F	F	Red	1.6	1.2	650	40	4.14	3.31	2.90	2.62
645-555-4301F	555-4301F	F	Green	2.4	1.0	565	40	4.80	3.84	3.36	3.04
645-555-4401F	555-4401F	F	Yellow	2.2	2.0	583	40	4.20	3.50	2.80	2.10
Thru-Hole, 2mm, Quad, Top View											
*645-555-5001F	555-5001F	G	Red	1.6	1.2	650	40	6.24	5.20	4.16	3.12
Thru-Hole, 2mm, Quad, Right Angle with Integral Resistor											
645-555-4003F	555-4003F	F	Red	6.0	1.9	650	40	4.68	3.74	3.28	2.96
645-555-4007F	555-4007F	F	Red	3.0	0.9	650	40	4.68	3.74	3.28	2.96
645-555-4303F	555-4303F	F	Green	4.7	2.5	565	40	4.80	3.84	3.36	3.04
645-555-4403F	555-4403F	F	Yellow	4.7	2.1	583	40	4.80	3.84	3.36	3.04
645-555-5003F	555-5003F	F	Red	6	1.9	650	40	7.10	5.92	4.74	3.55
Thru-Hole, 2mm x 5mm,Rectangular, Right Angle											
645-566-0407F	566-0407F	H	Red	2.0	6.0	635	110	1.20	1.00	.80	.60
645-566-0207F	566-0207F	H	Green	2.2	4.0	565	110	1.20	1.00	.80	.60
645-566-0307F	566-0307F	H	Yellow	2.1	3.5	583	110	1.20	1.00	.80	.60
Thru-Hole, 2mm x 5mm Rectangular, Right Angle, Bi-color											
645-566-3507F	566-3507F	H	R/ G	1.9/2.1	2.1/2.6	635/565	100	2.40	2.00	1.60	1.20

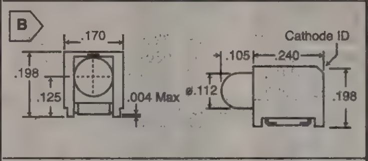
3MM LED INDICATORS

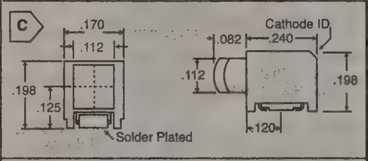
RoHS Compliant

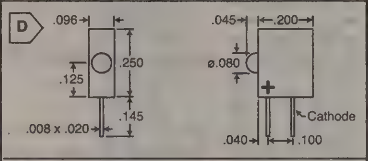
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each			
							1	100	500	1000
Single, High LED Centerline, High Efficiency										
645-551-0207F	551-0207F	I	Green	2.1	10	16.0	.71	.59	.47	.35
645-551-0307F	551-0307F	I	Yellow	2.1	10	6.3	.71	.59	.47	.35
645-551-0407F	551-0407F	I	Red	2	10	10.0	.71	.59	.47	.35
Single, High LED Centerline, Integral Resistor 5V										
645-551-0507F	551-0507F	I	Red	5	10	4.0	1.08	.90	.72	.54
645-551-0707F	551-0707F	I	Yellow	5	10	8	1.08	.90	.72	.54
645-551-0607F	551-0607F	I	Green	5	12	8.0	1.08	.90	.72	.54
Single, High LED Centerline, Low Current										
645-551-1107F	551-1107F	I	Red	1.8	2	1.8	.92	.77	.62	.46
645-551-1207F	551-1207F	I	Yellow	1.9	2	1.6	.92	.77	.62	.46
645-551-1307F	551-1307F	I	Green	1.8	2	1.6	.92	.77	.62	.46
Single, Bi-color, Right Angle										
645-551-3007F	551-3007F	I	R/G	2	10	5.0	1.69	1.41	1.13	.85
645-551-3107F	551-3107F	I	Y/G	2.1	10	4.3/6.3	1.69	1.41	1.13	.85
Single, Bi-color, In-Line, Right Angle										
645-551-3508F	551-3508F	J	R/G	2.0/2.1	20	4.0	1.92	1.60	1.28	.96
Tri-Level, High Efficiency, Right Angle										
645-564-0100-111F	564-0100-111F	K	R/R/R	2.2	10	10	2.61	2.18	1.74	1.31
645-564-0100-132F	564-0100-132F	K	R/Y/G	2.2	10	10	2.61	2.18	1.74	1.31
645-564-0100-222F	564-0100-222F	K	G/G/G	2.2	10	10	2.61	2.18	1.74	1.31
645-564-0100-333F	564-0100-333F	K	Y/Y/Y	2.2	10	10	2.61	2.18	1.74	1.31
Tri-Level, Low Current, Right Angle										
645-564-0200-111F	564-0200-111F	K	R-R-R	1.8	2	1.8	2.89	2.41	1.93	1.45
645-564-0200-132F	564-0200-132F	K	R-Y-G	1.8/1.9/1.8	2	1.8/1.6/1.6	2.89	2.41	1.93	1.45
645-564-0200-222F	564-0200-222F	K	G-G-G	1.8	2	1.6	2.43	2.03	1.62	1.22
Tri-Level, Integral Resistor, Right Angle										
645-564-0300-111F	564-0300-111F	K	R-R-R	5	10	4	2.95	2.46	1.97	1.48
645-564-0300-132F	564-0300-132F	K	R-Y-G	5/5/5	10/10/12	4/8/8	2.46	2.05	1.64	1.23
645-564-0300-222F	564-0300-222F	K	G-G-G	5	12	8	2.95	2.46	1.97	1.48
Tri-Level, Bi-Color, High Efficiency, Right Angle										
645-564-0700-111F	564-0700-111F	K	R/G x 3	2	10	5	4.22	3.52	2.82	2.11
645-564-0700-444F	564-0700-444F	K	Y/G x 3	2.1	10	4.3/6.3	4.22	3.52	2.82	2.11

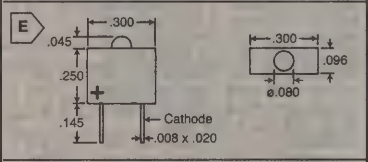
DIMENSIONS (IN.)

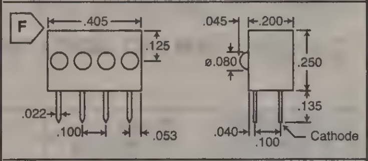
A

.098
.068
.141
.088
.018
.130
Cathode ID
.072
.141
Lens
.005 ± .010

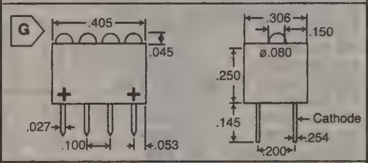
B

.170
Cathode ID
.198
.125
.004 Max
.105
.240
ø.112
.198

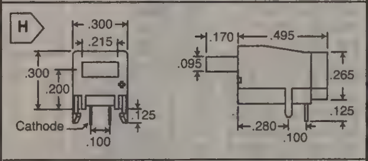
C

.170
.112
Cathode ID
.082
.240
.198
.125
.112
.198
Solder Plated
.120

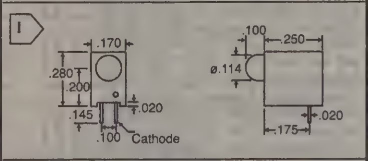
D

.096
.250
.125
.145
.008 x .020
.045
.200
ø.080
Cathode
.040
.100

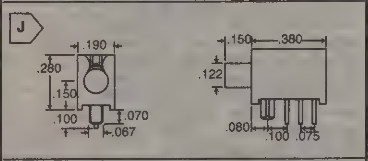
E

.300
.045
.250
.145
Cathode
.008 x .020
.300
.096
ø.080

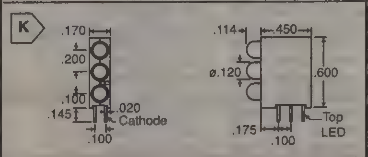
F

.405
.125
.022
.100
.053
.045
.200
ø.080
.250
.135
.040
.100
Cathode

G

.405
.045
.027
.100
.053
.306
.150
ø.080
.250
.145
Cathode
.254
.200

H

.300
.215
.300
.200
.125
Cathode
.100
.170
.495
.095
.265
.125
.280
.100

I

.170
.280
.200
.145
.020
.100
Cathode
.100
.250
ø.114
.020
.175

J

.190
.280
.150
.100
.070
.067
.150
.380
.122
.080
.100
.075

K

.170
.200
.100
.145
.020
Cathode
.100
.114
.450
ø.120
.600
.175
.100
Top LED

RoHS Compliant **This page of product is compliant.**

Dialight CIRCUIT BOARD INDICATORS

3mm LED Indicators (cont.)

RoHS Compliant

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each			
							1	100	500	1000
Single, High Centerline, High Efficiency										
645-551-0203F	551-0203F	A	Green	2.1	10	16	.77	.64	.51	.38
645-551-0403F	551-0403F	A	Red	2	10	10	.77	.64	.51	.38
645-551-0209F	551-0209F	B	Green	2.1	10	16	.83	.69	.55	.42
645-551-0309F	551-0309F	B	Yellow	2.1	10	6.3	.83	.69	.55	.42
645-551-0409F	551-0409F	B	Red	2	10	10	.83	.69	.55	.42
645-551-2509F	551-2509F	B	Orange	2.2	10	6.5	.92	.77	.62	.46
Single, High Centerline, Integral Resistor										
645-551-0509F	551-0509F	B	Red	5	10	4	1.20	1.00	.80	.60
645-551-0609F	551-0609F	B	Green	5	12	8	1.20	1.00	.80	.60
645-551-0709F	551-0709F	B	Yellow	5	10	8	1.20	1.00	.80	.60
Single, High Centerline, Low Current										
645-551-1109F	551-1109F	B	Red	1.8	2	1.8	.92	.77	.62	.46
645-551-1209F	551-1209F	B	Yellow	1.9	2	1.6	.92	.77	.62	.46
645-551-1309F	551-1309F	B	Green	1.8	2	1.6	.92	.77	.62	.46
Single, High Centerline, Bi-Color										
645-551-3009F	551-3009F	B	Red/Gre	2/2	10	5/5	1.57	1.31	1.05	.78
645-551-3109F	551-3109F	B	Yell/Gre	2.1/2.1	10	4.3/6.3	1.82	1.51	1.21	.91
Quad, High LED Centerline, High Efficiency										
645-551-0207-004F	551-0207-004F	C	Green	2.1	10	16.3	3.20	2.67	2.13	1.60
645-551-0307-004F	551-0307-004F	C	Yellow	2.1	10	6.3	3.20	2.67	2.13	1.60
645-551-0407-004F	551-0407-004F	C	Red	2	10	10.0	2.81	2.34	1.87	1.40
Quad, High LED Centerline, Integral Resistor 5V										
645-551-0507-004F	551-0507-004F	C	Red	5	13	8.0	4.58	3.82	3.05	2.29
645-551-0607-004F	551-0607-004F	C	Green	5	12	8	4.02	3.35	2.68	2.01
645-551-0707-004F	551-0707-004F	C	Yellow	5	10	8	4.58	3.82	3.05	2.29
645-551-2507-004F	551-2507-004F	C	Orange	2.2	10	6.5	6.24	5.20	4.16	3.12
Quad, High Centerline, Low Current										
645-551-1107-004F	551-1107-004F	C	Red	1.8	2	1.8	3.65	3.04	2.43	1.82
645-551-1207-004F	551-1207-004F	C	Yellow	1.9	2	1.6	4.15	3.46	2.77	2.08
645-551-1307-004F	551-1307-004F	C	Green	1.8	2	1.6	4.15	3.46	2.77	2.08
Quad, High Efficiency, Right Angle										
645-568-0101-111F	568-0101-111F	D	Red	2.2	10	10	3.23	2.69	2.15	1.61
645-568-0102-222F	568-0102-222F	D	Green	2.3	8.5	10	3.23	2.69	2.15	1.61
645-568-0101-333F	568-0101-333F	D	Yellow	2.2	10	10	3.15	2.52	2.21	2.00
Quad, Bi-Color, Right Angle										
645-568-0701-111F	568-0701-111F	D	R/G x 4	2	10	5	5.28	4.40	3.52	2.64
645-568-0704-444F	568-0704-444F	D	Y/G x 4	2.1	10	4.3/6.3	5.15	4.11	3.61	3.26

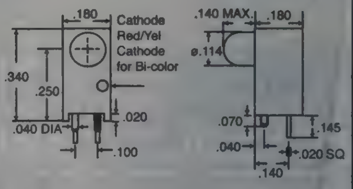
Dialight 5MM LED INDICATORS

RoHS Compliant
For quantities of 2000 and up, call for quote.

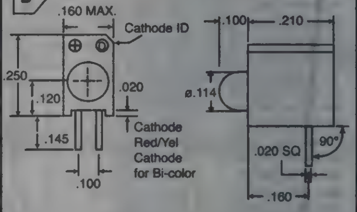
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each			
							1	100	500	1000
Single General Purpose, Top View										
645-550-0204F	550-0204F	F	Green	2.1	10	12.3	.86	.72	.57	.43
645-550-0304F	550-0304F	F	Yellow	2.1	10	12.3	.86	.72	.57	.43
645-550-0404F	550-0404F	F	Red	2	10	12.3	.86	.72	.57	.43
Single Integral Resistor, Top View										
645-550-0504F	550-0504F	F	Red	5	13	2.0	1.20	1.00	.80	.60
645-550-0704F	550-0704F	F	Green	5	12	8	1.20	1.00	.80	.60
645-550-0804F	550-0804F	F	Yellow	5	10	8	1.20	1.00	.80	.60
Single Low Current, Top View										
645-550-1104F	550-1104F	F	Red	1.8	2	2	.99	.83	.66	.50
645-550-1204F	550-1204F	F	Yellow	1.9	2	1.8	.99	.83	.66	.50
645-550-1304F	550-1304F	F	Green	1.8	2	1.8	.99	.83	.66	.50
Single General Purpose Vertical										
645-561-2101-050F	561-2101-050F	G	Red	2.2	10	7	.74	.62	.49	.37
645-561-2101-070F	561-2101-070F	G	Red	2.2	10	7	.74	.62	.49	.37
645-561-2101-100F	561-2101-100F	G	Red	2.2	10	7	.74	.62	.49	.37
645-561-2201-050F	561-2201-050F	G	Y/G	2	10	32	.80	.67	.53	.40
645-561-2201-070F	561-2201-070F	G	Y/G	2	10	32	.80	.67	.53	.40
645-561-2201-100F	561-2201-100F	G	Y/G	2	10	32	1.56	1.30	1.04	.78
Quad General Purpose, Right Angle										
645-550-0207-004F	550-0207-004F	E	Green	2.1	20	12.3	3.26	2.72	2.17	1.63
645-550-0307-004F	550-0307-004F	E	Yellow	2.1	20	12.3	3.26	2.72	2.17	1.63
645-550-0407-004F	550-0407-004F	E	Red	2	20	12.3	3.26	2.72	2.17	1.63
Quad Integral Resistor, Right Angle										
645-550-0507-004F	550-0507-004F	E	Red	5	13	2	8.44	7.04	5.63	4.22
645-550-0707-004F	550-0707-004F	E	Green	5	12	8	4.12	3.44	2.75	2.06
645-550-0807-004F	550-0807-004F	E	Yellow	5	10	8	8.44	7.04	5.63	4.22
Quad Low Current, Right Angle										
645-550-1107-004F	550-1107-004F	E	Red	1.8	2	2	3.84	3.20	2.56	1.92
645-550-1207-004F	550-1207-004F	E	Yellow	1.9	2	1.8	7.88	6.56	5.25	3.94
645-550-1307-004F	550-1307-004F	E	Green	1.8	2	1.8	3.84	3.20	2.56	1.92
Quad High Efficiency, Right Angle										
645-550-2207-004F	550-2207-004F	E	Green	2.1	10	10	6.60	5.50	4.40	3.30
645-550-2307-004F	550-2307-004F	E	Yellow	2.1	10	6.3	3.38	2.82	2.26	1.69
645-550-2407-004F	550-2407-004F	E	Red	2.2	10	7	3.38	2.82	2.26	1.69
Quad Bi-Color, Right Angle										
645-550-3007-004F	550-3007-004F	E	Red/Gre	1.8/2.1	20	90/40	15.50	12.92	10.33	7.75
Quad Super Bright, Diffused Lens, Right Angle										
645-550-5107-004F	550-5107-004F	E	Red	2.1	20	34	3.84	3.20	2.56	1.92
645-550-5207-004F	550-5207-004F	E	Green	2.2	20	34	7.88	6.56	5.25	3.94
645-550-5307-004F	550-5307-004F	E	Yellow	2.2	20	34	7.88	6.56	5.25	3.94
Quad Super Bright, Water Clear Lens, Right Angle										
645-550-5507-004F	550-5507-004F	E	Red	2.2	20	125	8.44	7.04	5.63	4.22
645-550-5607-004F	550-5607-004F	E	Green	2.3	20	120	8.44	7.04	5.63	4.22
645-550-5707-004F	550-5707-004F	E	Yellow	2.2	20	140	8.44	7.04	5.63	4.22

DIMENSIONS (IN.)

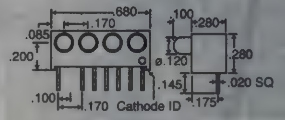
A



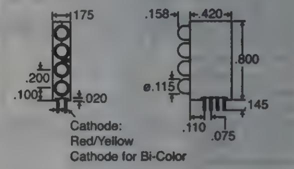
B



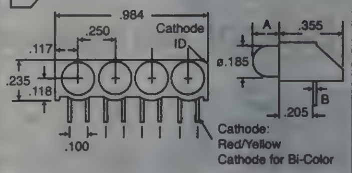
C



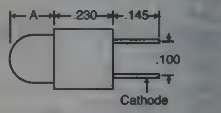
D



E

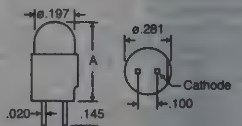


F



A = .135" for 645-550-0204
to 645-550-0404
.197" for 645-550-0504 thru 645-550-5704

G



645-561-2101-050, A = .480 ± .025
645-561-2101-070, A = .68 ± .025
645-561-2101-100, A = .980 ± .025

DIALIGHT Circuit Board Indicators

RoHS Compliant This page of product is compliant.

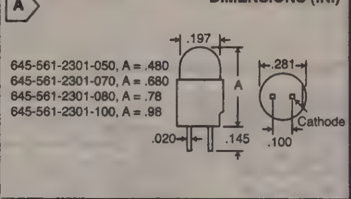
Dialight 5MM LED CIRCUIT BOARD INDICATORS (CONT.)

RoHS Compliant

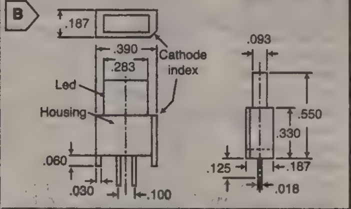
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	VF	mA	mcd	Price Each			
							1	100	500	1000
Single General Purpose Vertical										
645-561-2301-050F	561-2301-050F	A	Y/G	2.4	10	10	.74	.62	.49	.37
645-561-2301-070F	561-2301-070F	A	Y/G	2.4	10	10	.74	.62	.49	.37
645-561-2301-080F	561-2301-080F	A	Y/G	2.4	10	10	.74	.62	.49	.37
645-561-2301-100F	561-2301-100F	A	Y/G	2.4	10	10	.74	.62	.49	.37
Single Integral Resistor, Vertical										
645-561-0104-100F	561-0104-100F	A	Red	5	10	8	.86	.72	.57	.43
Single Low Current Vertical										
645-561-1101-100F	561-1101-100F	A	Red	1.8	2	2	.80	.67	.53	.40
645-561-1201-100F	561-1201-100F	A	Yellow	1.9	2	1.8	.80	.67	.53	.40
645-561-1301-100F	561-1301-100F	A	Green	1.8	2	1.8	.80	.67	.53	.40
Single High Efficiency, Vertical										
645-561-2401-100F	561-2401-100F	A	Red	2.2	10	60	.74	.62	.49	.37
645-561-2501-100F	561-2501-100F	A	Green	2.3	10	70	.74	.62	.49	.37
645-561-2601-100F	561-2601-100F	A	Yellow	2.2	10	50	.74	.62	.49	.37
645-561-0901-100F	561-0901-100F	A	Orange	1.9	10	7	1.17	.98	.78	.59
Single Rectangular, Vertical										
645-561-4101-055F	561-4101-055F	B	Red	1.9	20	5	1.66	1.39	1.11	.83
645-561-4201-055F	561-4201-055F	B	Green	2.3	20	2.5	1.66	1.39	1.11	.83
645-561-4301-055F	561-4301-055F	B	Yellow	2.1	20	5	1.66	1.39	1.11	.83
645-561-4101-081F	561-4101-081F	C	Red	1.9	20	5	1.75	1.46	1.17	.88
645-561-4201-081F	561-4201-081F	C	Green	2.3	20	2.5	1.75	1.46	1.17	.88
645-561-4301-081F	561-4301-081F	C	Yellow	2.1	20	5	1.75	1.46	1.17	.88
Single, Super Bright, Diffused Lens Vertical										
645-561-5101-100F	561-5101-100F	A	Red	2.1	20	34	.80	.67	.53	.40
645-561-5201-100F	561-5201-100F	A	Green	2.2	20	34	.80	.67	.53	.40
645-561-5301-100F	561-5301-100F	A	Yellow	2.2	20	34	.80	.67	.53	.40
Single, Super Bright, Water Clear Lens, Vertical										
645-561-5501-100F	561-5501-100F	A	Red	2.2	20	125	.86	.72	.57	.43
645-561-5601-100F	561-5601-100F	A	Green	2.3	20	120	.86	.72	.57	.43
645-561-5701-100F	561-5701-100F	A	Yellow	2.2	20	140	.86	.72	.57	.43
Single High Efficiency, Top View										
645-550-2204F	550-2204F	D	Green	2.1	10	10.0	1.01	.85	.68	.51
645-550-2304F	550-2304F	D	Yellow	2.1	10	6.3	1.01	.85	.68	.51
645-550-2404F	550-2404F	D	Red	2.2	10	7.0	1.01	.85	.68	.51
645-550-2504F	550-2504F	D	Orange	1.9	10	7	.77	.64	.51	.38
Single Bi-Color, Top View										
645-550-3004F	550-3004F	D	Red/Green	1.8/2.1	20	90/40	1.97	1.64	1.31	.98
Single, Super Bright, Diffused Lens, Top View										
645-550-5104F	550-5104F	D	Red	2.1	20	34	1.11	.92	.74	.55
645-550-5204F	550-5204F	D	Green	2.2	20	34	1.11	.92	.74	.55
645-550-5304F	550-5304F	D	Yellow	2.2	20	34	1.11	.92	.74	.55
Single Super Bright, Water Clear Lens, Top View										
645-550-5504F	550-5504F	D	Red	2.2	20	125	1.17	.98	.78	.59
645-550-5604F	550-5604F	D	Green	2.3	20	120	1.17	.98	.78	.59
Single General Purpose, Right Angle										
645-550-0205F	550-0205F	E	Green	2.1	20	12.3	.71	.59	.47	.35
645-550-0305F	550-0305F	E	Yellow	2.1	20	12.3	.71	.59	.47	.35
645-550-0405F	550-0405F	E	Red	2	20	12.3	.71	.59	.47	.35
645-550-0207F	550-0207F	F	Green	2.1	20	12.3	.71	.59	.47	.35
645-550-0307F	550-0307F	F	Yellow	2.1	20	12.3	.57	.48	.38	.29
645-550-0407F	550-0407F	F	Red	2	20	12.3	.71	.59	.47	.35
Single Integral Resistor, Right Angle										
645-550-0505F	550-0505F	E	Red	5	13	2	.98	.82	.66	.49
645-550-0705F	550-0705F	E	Green	5	12	8	.98	.82	.66	.49
645-550-0805F	550-0805F	E	Yellow	5	10	8	.98	.82	.66	.49
645-550-0507F	550-0507F	F	Red	5	13	2.0	.90	.75	.60	.45
645-550-0707F	550-0707F	F	Green	5	12	8.0	.90	.75	.60	.45
645-550-0807F	550-0807F	F	Yellow	5	10	8.0	.98	.82	.66	.49
Single Low Current, Right Angle										
645-550-1105F	550-1105F	E	Red	1.8	2	2	.92	.77	.62	.46
645-550-1305F	550-1305F	E	Green	1.8	2	1.8	.92	.77	.62	.46
645-550-1205F	550-1205F	E	Yellow	1.8	2	1.8	.92	.77	.62	.46
645-550-1107F	550-1107F	F	Red	1.8	2	2.0	.84	.70	.56	.42
645-550-1207F	550-1207F	F	Yellow	1.9	2	1.8	.92	.77	.62	.46
645-550-1307F	550-1307F	F	Green	1.8	2	1.8	.92	.77	.62	.46
Single High Efficiency, Right Angle										
645-550-2205F	550-2205F	E	Green	2.1	10	10	.77	.64	.51	.38
645-550-2305F	550-2305F	E	Yellow	2.1	10	6.3	.77	.64	.51	.38
645-550-2405F	550-2405F	E	Red	2.2	10	7	.77	.64	.51	.38
645-550-2505F	550-2505F	E	Orange	1.9	10	7	.77	.64	.51	.38
645-550-2207F	550-2207F	F	Green	2.1	10	10.0	.77	.64	.51	.38
645-550-2307F	550-2307F	F	Yellow	2.1	10	6.3	.77	.64	.51	.38
645-550-2407F	550-2407F	F	Red	2.2	10	7.0	.77	.64	.51	.38
645-550-2507F	550-2507F	F	Orange	1.9	10	7	.77	.64	.51	.38
Single Superbright, Right Angle										
645-550-5107F	550-5107F	F	Red	2.1	20	34.0	.60	.50	.40	.30
645-550-5207F	550-5207F	F	Green	2.2	20	34.0	.60	.50	.40	.30
645-550-5307F	550-5307F	F	Yellow	2.2	20	34.0	.60	.50	.40	.30
645-550-5507F	550-5507F	F	Red	2.2	20	125	.98	.82	.66	.49
645-550-5607F	550-5607F	F	Green	2.3	20	120	.98	.82	.66	.49
645-550-5707F	550-5707F	F	Yellow	2.2	20	140	.98	.82	.66	.49
645-550-5605F	550-5605F	E	Green	2.3	20	120	.98	.82	.66	.49
645-550-5705F	550-5705F	E	Yellow	2.2	20	140	.98	.82	.66	.49
645-550-5505F	550-5505F	E	Red	2.2	20	125	.98	.82	.66	.49
Single Bi-Color, Offset Right Angle										
645-550-3605F	550-3605F	G	Yellow /Green	2.1/2.1	20	5 / 8	2.06	1.72	1.37	1.03
645-550-3507F	550-3507F	H	Red/ Green	2.1/2.3	10	5 / 8	2.06	1.72	1.37	1.03

DIMENSIONS (IN.)

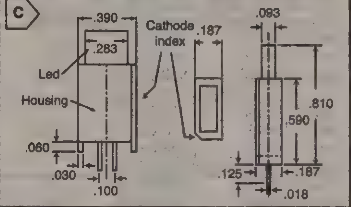
A


.197
.281
645-561-2301-050, A = .480
645-561-2301-070, A = .680
645-561-2301-080, A = .78
645-561-2301-100, A = .98
A
Cathode
.020
.145
.100

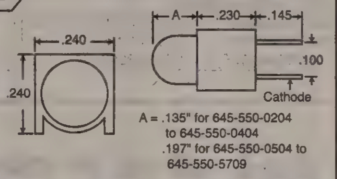
B


.187
.093
.390
Cathode index
.283
Led
Housing
.550
.330
.060
.125
.187
.030
.100
.018

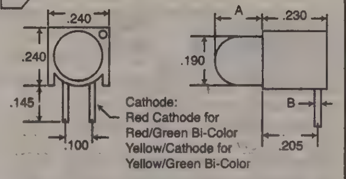
C


.390
Cathode index
.187
.093
.283
Led
Housing
.810
.590
.060
.030
.100
.125
.187
.018

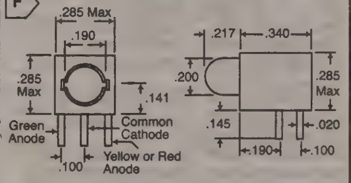
D


A
.230
.145
.240
.100
.240
Cathode
A = .135" for 645-550-0204 to 645-550-0404
.197" for 645-550-0504 to 645-550-5709

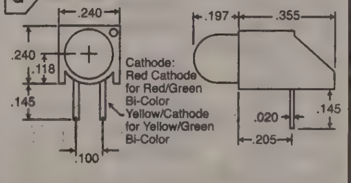
E


.240
A
.230
.240
.190
.145
Cathode:
Red Cathode for Red/Green Bi-Color
Yellow/Cathode for Yellow/Green Bi-Color
B
.100
.205

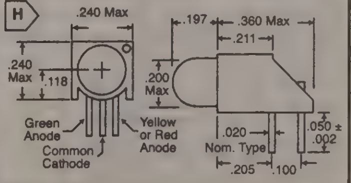
F


.285 Max
.190
.217
.340
.285 Max
.200
.285 Max
.141
Green Anode
Common Cathode
.145
.020
.100
Yellow or Red Anode
.190
.100

G


.240
.197
.355
.240
.118
Cathode:
Red Cathode for Red/Green Bi-Color
Yellow/Cathode for Yellow/Green Bi-Color
.145
.020
.145
.205
.100

H


.240 Max
.197
.360 Max
.211
.240 Max
.118
.200 Max
Green Anode
Common Cathode
Yellow or Red Anode
.020
Nom. Type
.050 ± .002
.205
.100

DIALIGHT LED Circuit Board Indicators

RoHS Compliant **This page of product is compliant.**

Dialight

CIRCUIT BOARD INDICATORS

5mm LED Indicators (cont.)

RoHS Compliant

MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each			
							1	100	500	1000
Single, In-Line Right Angle										
645-550-5105F	550-5105F	A	Red	2.1	20	34	.92	.77	.62	.46
645-550-5205F	550-5205F	A	Green	2.2	20	34	.92	.77	.62	.46
645-550-5305F	550-5305F	A	Yellow	2.2	20	34	.92	.77	.62	.46
Single Bi-Color, Right Angle										
645-550-3007F	550-3007F	B	R/G	1.8/2.1	20	90/40	1.50	1.25	1.00	.75
645-550-3008F	550-3008F	C	R/G	1.8/2.1	20	90/40	2.06	1.72	1.37	1.03
645-550-3005F	550-3005F	A	Red/Gre	1.8/2.1	20	90/40	1.50	1.25	1.00	.75
645-550-3509F	550-3509F	D	R/G	2.1/2.3	10	5 / 8	2.06	1.72	1.37	1.03
Bi-Level General Purpose High Efficiency										
645-552-0211F	552-0211F	E	Red	2.2	10	7	1.23	1.03	.82	.62
645-552-0222F	552-0222F	E	Green	2.1	10	10	1.23	1.03	.82	.62
645-552-0233F	552-0233F	E	Yellow	2.1	10	6.3	1.57	1.31	1.05	.78
645-552-0277F	552-0277F	E	Orange	1.9	10	7	1.57	1.31	1.05	.78
645-552-2211-100F	552-2211-100F	F	Red	2.1	20	110	1.72	1.44	1.15	.86
645-552-2222-100F	552-2222-100F	F	Green	2.2	20	110	1.72	1.44	1.15	.86
Bi-Level General Purpose Integral Resistor										
645-552-0311F	552-0311F	E	Red	5	13	2	3.60	3.00	2.40	1.80
645-552-0322F	552-0322F	E	Green	5	12	8	1.85	1.54	1.23	.92
645-552-0333F	552-0333F	E	Yellow	5	10	8	1.85	1.54	1.23	.92
Bi-Level General Purpose Low Current										
645-552-0922F	552-0922F	E	Green	1.8	2	1.8	1.38	1.15	.92	.69
645-552-0933F	552-0933F	E	Yellow	1.9	2	1.8	1.72	1.44	1.15	.86
645-552-0911F	552-0911F	E	Red	1.8	2	2	1.38	1.15	.92	.69
Bi-Level General Purpose Bi-Color										
645-552-0711F	552-0711F	E	R/G	1.8/2.1	20	90/40	1.95	1.63	1.30	.98
645-552-0744F	552-0744F	E	Yell/Gre	2.1/2.1	20	8.7/8.7	2.31	1.92	1.54	1.15
645-552-3511F	552-3511F	G	R/G	2.1/2.3	10	5/8	3.84	3.20	2.56	1.92
Bi-Level Super Bright										
645-552-0811F	552-0811F	E	Red	2.1	20	34	1.72	1.44	1.15	.86
645-552-0822F	552-0822F	E	Green	2.2	20	34	1.72	1.44	1.15	.86
645-552-0833F	552-0833F	E	Yellow	2.2	20	34	1.72	1.44	1.15	.86

Dialight

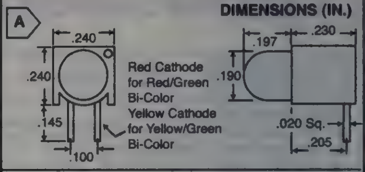
LED CIRCUIT BOARD INDICATORS

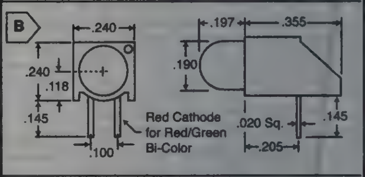
RoHS Compliant

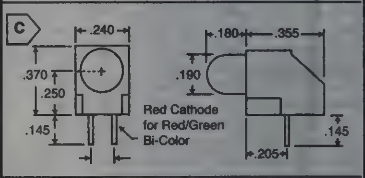
MOUSER STOCK NO.	Dialight Part No.	Fig.	Color	V_F	mA	mcd	Price Each			
							1	100	500	1000
Bi-Level, High Efficiency										
645-553-0111-300F	553-0111-300F	H	Red	2	10	10	1.57	1.31	1.05	.78
645-553-0122-300F	553-0122-300F	H	Green	2.1	10	16	1.57	1.31	1.05	.78
645-553-0133-300F	553-0133-300F	H	Yellow	2.1	10	6.3	1.57	1.31	1.05	.78
Bi-Level, Low Current										
645-553-0211-300F	553-0211-300F	H	Red	1.8	2	1.8	1.72	1.44	1.15	.86
645-553-0222-300F	553-0222-300F	H	Green	1.8	2	1.6	1.72	1.44	1.15	.86
645-553-0233-300F	553-0233-300F	H	Yellow	1.9	2	1.6	1.72	1.44	1.15	.86
Bi-Level with Integral Resistor										
645-553-0311-300F	553-0311-300F	H	Red	5	10	4	1.85	1.54	1.23	.92
645-553-0322-300F	553-0322-300F	H	Green	5	12	8	1.85	1.54	1.23	.92
645-553-0333-300F	553-0333-300F	H	Yellow	5	10	8	1.85	1.54	1.23	.92
Bi-Level, Bi-Color										
645-553-0711-300F	553-0711-300F	H	Orange	2	10	5	2.31	1.92	1.54	1.15
645-553-0744-300F	553-0744-300F	H	Yel/Gr	2.1/2.1	10	4.3/6.3	2.07	1.73	1.38	1.04
Bi-Level, Non-Diffused										
645-553-2211-300F	553-2211-300F	H	Red	2.2	10	12	1.72	1.44	1.15	.86
645-553-2222-300F	553-2222-300F	H	Green	2.3	10	12	1.72	1.44	1.15	.86
645-553-2233-300F	553-2233-300F	H	Yellow	2.2	10	12	1.72	1.44	1.15	.86
Bi-Level, High Efficiency										
645-553-0122F	553-0122F	I	Green	2.1	10	16	1.57	1.31	1.05	.78
645-553-0133F	553-0133F	I	Yellow	2.1	10	6.3	1.57	1.31	1.05	.78
Bi-Level, Low Current										
645-553-0211F	553-0211F	I	Red	1.8	2	1.8	1.72	1.44	1.15	.86
645-553-0222F	553-0222F	I	Green	1.8	2	1.6	1.72	1.44	1.15	.86
645-553-0233F	553-0233F	I	Yellow	1.9	2	1.6	1.72	1.44	1.15	.86
Bi-Level with Integral Resistor										
645-553-0311F	553-0311F	I	Red	5	10	4	1.85	1.54	1.23	.92
645-553-0333F	553-0333F	I	Yellow	5	10	8	1.85	1.54	1.23	.92
Bi-Level, Bi-Color										
645-553-0711F	553-0711F	I	Red/Gr	2/2	10	5/5	2.31	1.92	1.54	1.15
645-553-0744F	553-0744F	I	Yel/Gr	2.1/2.1	10	4.3/6.3	2.31	1.92	1.54	1.15
High Density, Dual Bi-Level										
645-569-0101-111F	569-0101-111F	J	Red	2.2	10	10	2.61	2.18	1.74	1.31
645-569-0102-222F	569-0102-222F	J	Green	2.3	10	8.5	2.61	2.18	1.74	1.31
645-569-0103-333F	569-0103-333F	J	Yellow	2.2	10	10	2.61	2.18	1.74	1.31
645-569-0107-777F	569-0107-777F	J	Orange	2.2	10	6.5	2.61	2.18	1.74	1.31
645-569-0111-100F	569-0111-100F	J	Red	2.2	10	10	1.69	1.41	1.13	.85
645-569-0112-200F	569-0112-200F	J	Green	2.3	10	8.5	1.69	1.41	1.13	.85
645-569-0113-300F	569-0113-300F	J	Yellow	2.2	10	10	1.69	1.41	1.13	.85
645-569-0117-700F	569-0117-700F	J	Orange	2.2	10	6.5	1.69	1.41	1.13	.85

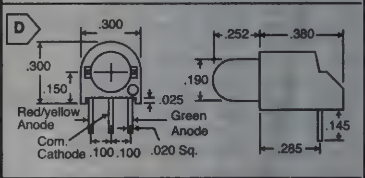
Dialight

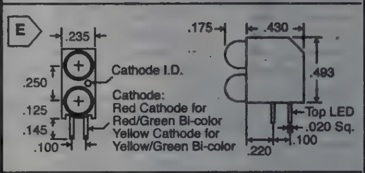
DIMENSIONS (IN.)

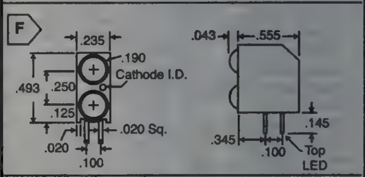

A
.240
.240
.145
.100
Red Cathode for Red/Green Bi-Color
Yellow Cathode for Yellow/Green Bi-Color
.230
.197
.190
.020 Sq.
.205

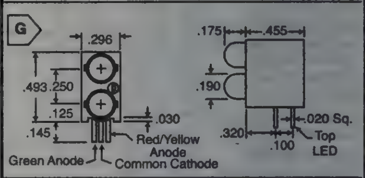

B
.240
.240
.118
.145
.100
Red Cathode for Red/Green Bi-Color
.197
.355
.190
.020 Sq.
.145
.205

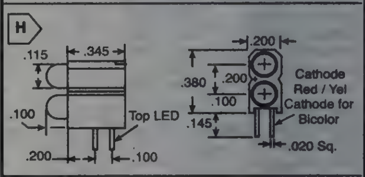

C
.240
.370
.250
.145
Red Cathode for Red/Green Bi-Color
.180
.355
.190
.145
.205

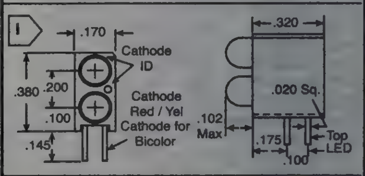

D
.300
.300
.150
.025
Red/yellow Anode
Green Anode
Com. Cathode
.100 .100
.020 Sq.
.252
.380
.190
.145
.285

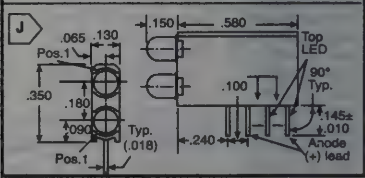

E
.235
.250
.125
.145
.100
Cathode I.D.
Cathode: Red Cathode for Red/Green Bi-color Yellow Cathode for Yellow/Green Bi-color
.175
.430
.493
Top LED
.020 Sq.
.100
.220


F
.235
.190
Cathode I.D.
.493
.250
.125
.020 Sq.
.020
.100
.043
.555
.145
.345
.100
Top LED


G
.296
.493
.250
.125
.145
.030
Red/Yellow Anode
Green Anode
Common Cathode
.175
.455
.190
.020 Sq.
.320
Top LED
.100


H
.115
.345
.100
Top LED
.200
.100
.200
.380
.200
.100
.145
Cathode Red / Yel Cathode for Bicolor
.020 Sq.


I
.170
Cathode ID
.380
.200
.100
.145
Cathode Red / Yel Cathode for Bicolor
.102 Max
.320
.020 Sq.
.175
.100
Top LED

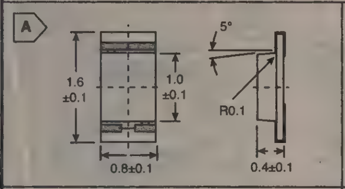

J
.065
.130
Pos.1
.350
.180
.090
Typ. (.018)
Pos.1
.150
.580
Top LED
90° Typ.
.100
.145± .010
.240
Anode (+) lead

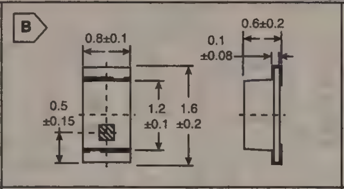
EVERLIGHT SMD LEDs

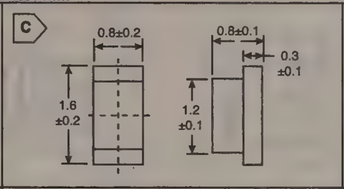
EVERLIGHT

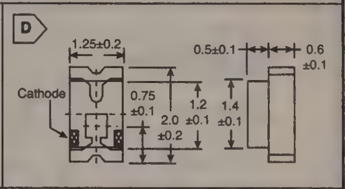
RoHS Compliant This page of product is compliant.

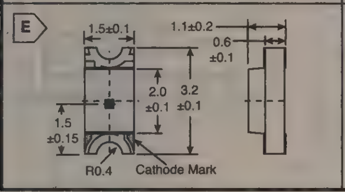
DIMENSIONS: mm

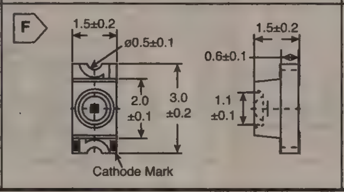


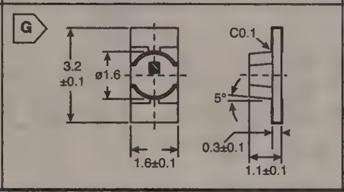


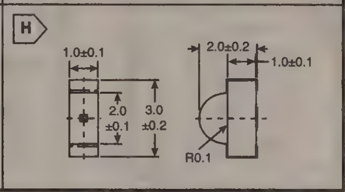












SMD LEDS

For quantities of 2000 and up, call for quote.

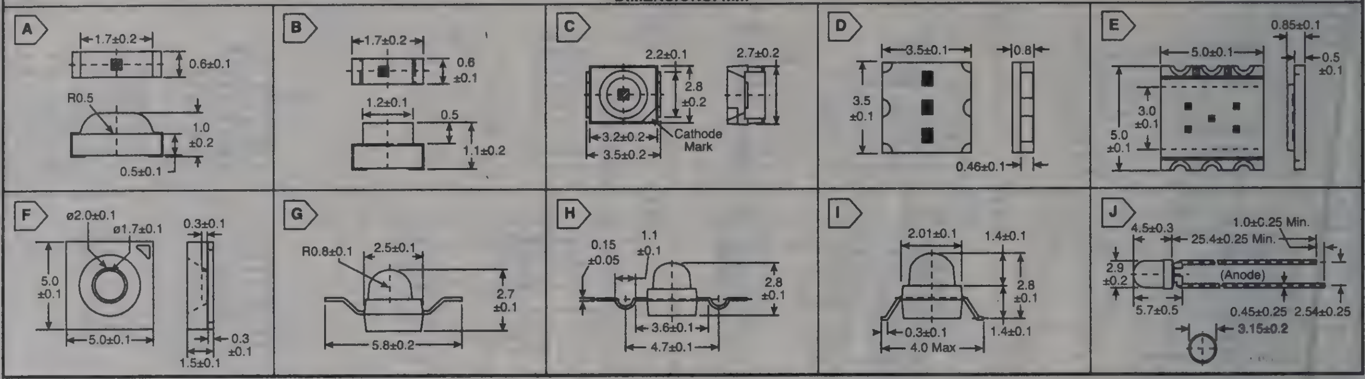
MOUSER STOCK NO.	Everlight Part No.	Fig.	Color		Wavelength	Iv(mcd)	Angle	Price Each			
			Emitted	Lens				1	100	500	1000
0603 Low Profile SMD LEDs											
638-19217Y5CP1Q23	EL-19-217/Y5C-AP1Q2/3T	A	Yellow	Water Clear	589	75	120°	.20	.17	.13	.10
638-19217BHCN1P23	EL-19-217/BHC-AN1P2/3T	A	Blue	Water Clear	470	40	120°	.56	.47	.38	.28
638-19217W1DNPHY3	EL-19-217/W1D-ANPHY/3T	A	White	Yellow Diff	-	40	130°	.87	.73	.58	.44
638-19215UYCS530	EL-19-215UYC/S530-A2/TR8	B	Yellow	Water Clear	589	39	120°	.10	.08	.06	.05
638-19215VGC	EL-19-215VGC/TR8	B	Green	Water Clear	571	10	120°	.10	.08	.06	.05
638-19215UBCC430	EL-19-215UBC/C430/TR8	B	Blue	Water Clear	466	18	120°	1.00	.84	.67	.50
0603 SMD LEDs											
638-QTLP600C7	QTLP600C7TR	C	Red	Water Clear	660	20	100°	.14	.11	.09	.08
638-QTLP600C2TR	QTLP600C2TR	C	Hi-Eff Red	Water Clear	635	9	100°	.18	.13	.11	.09
638-QTLP600CRTR	QTLP600CRTR	C	Red	Water Clear	630	35	100°	.18	.13	.11	.09
638-192SURCS530-A2	EL-19-21SURC/S530-A2/TR8	C	Hyper Red	Water Clear	624	39	100°	.10	.08	.07	.05
638-QTLP600CETR	QTLP600CETR	C	Orange	Water Clear	620	35	100°	.18	.13	.11	.09
638-QTLP600CYTR	QTLP600CYTR	C	Yellow	Water Clear	590	35	100°	.18	.13	.11	.09
638-192UYCS530-A2	EL-19-21UYC/S530-A2/TR8	C	Yellow	Water Clear	589	40	100°	.10	.08	.07	.05
638-QTLP600C3	QTLP600C3TR	C	Yellow	Water Clear	585	9	100°	.14	.11	.09	.08
638-192VGC	EL-19-21VGC/TR8	C	Green	Water Clear	571	12.5	100°	.10	.09	.07	.05
638-QTLP600C4	QTLP600C4TR	C	Green	Water Clear	565	18	100°	.14	.11	.09	.08
638-QTLP600CIGTR	QTLP600CIGTR	C	True Green	Water Clear	520	110	100°	2.43	2.02	1.45	1.16
638-QTLP601CEBTR	QTLP601CEBTR	C	Blue	Water Clear	470	16	120°	1.23	.93	.77	.62
638-192BHC-AN1P23T	EL-19-21/BHC-AN1P2/3T	C	Blue	Water Clear	470	40	100°	.68	.57	.46	.34
638-QTLP600CBTR	QTLP600CBTR	C	Blue	Water Clear	430	20	100°	.86	.72	.51	.41
0805 SMD LEDs											
638-172SURCS530-A2	EL-17-21SURC/S530-A2/TR8	D	Hyper Red	Water Clear	624	42	140°	.10	.08	.07	.05
638-172UYCS530-A2	EL-17-21UYC/S530-A2/TR8	D	Yellow	Water Clear	589	43	140°	.10	.08	.07	.05
638-172VGC	EL-17-21VGC/TR8	D	Green	Water Clear	571	10	140°	.10	.08	.07	.05
638-172BHC-AN1P23T	EL-17-21/BHC-AN1P2/3T	D	Blue	Water Clear	470	45	140°	.52	.43	.34	.26
638-172UBCC430	EL-17-21UBC/C430/TR8	D	Blue	Water Clear	466	20	140°	.62	.52	.42	.31
638-172W1D-ANPHY35	EL-17-21/W1D-ANPHY/35	D	White	Yellow Diff	-	40	150°	.60	.50	.40	.30
1206 SMD LEDs											
638-QTLP650CRTR	QTLP650CRTR	E	Red	Water Clear	660	25	140°	.24	.20	.15	.12
638-QTLP650D2	QTLP650D2TR	E	Hi-Eff Red	Red Diffused	635	4	160°	.25	.21	.16	.13
638-QTLP650C2	QTLP650C2TR	E	Hi-Eff Red	Water Clear	635	6	140°	.24	.20	.15	.12
638-152SURCS530-A2	EL-15-21SURC/S530-A2/TR8	E	Hyper Red	Water Clear	624	38	130°	.12	.10	.08	.06
638-QTLP650CETR	QTLP650CETR	E	Orange	Water Clear	620	28	140°	.24	.20	.15	.12
638-QTLP650CYTR	QTLP650CYTR	E	Yellow	Water Clear	590	44	140°	.24	.20	.15	.12
638-152UYCS530-A2	EL-15-21UYC/S530-A2/TR8	E	Yellow	Water Clear	589	39	130°	.11	.09	.08	.06
638-QTLP650D3	QTLP650D3TR	E	Yellow	Yellow Diffused	585	4	160°	.25	.21	.16	.13
638-152VGC	EL-15-21VGC/TR8	E	Green	Water Clear	571	13	130°	.12	.10	.08	.06
638-QTLP650D4	QTLP650D4TR	E	Green	Green Diffused	565	6	160°	.25	.21	.16	.13
638-QTLP650C4	QTLP650C4TR	E	Green	Water Clear	565	10	140°	.24	.20	.15	.12
638-152BHC-AN1P22T	EL-15-21/BHC-AN1P2/2T	E	Blue	Water Clear	470	40	130°	.88	.73	.58	.44
1206 SMD LEDs With Inner Lens											
638-QTLP652C7	QTLP652C7TR	F	AlGaAs Red	Water Clear	660	30	20°	.30	.25	.18	.14
638-QTLP652C2	QTLP652C2TR	F	Hi-Eff Red	Water Clear	635	15	20°	.30	.25	.18	.14
638-121SURCS530A28	EL-11-21SURC/S530-A2/TR8	F	Hyper Red	Water Clear	624	71	60°	.11	.10	.09	.07
638-1121UYCS530A28	EL-11-21UYC/S530-A2/TR8	F	Yellow	Water Clear	589	73	60°	.11	.09	.08	.07
638-QTLP652C3	QTLP652C3TR	F	Yellow	Water Clear	585	16	20°	.30	.25	.18	.14
638-11-21VGC/TR8	EL-11-21VGC/TR8	F	Green	Water Clear	571	35	60°	.15	.13	.11	.10
638-QTLP652C4	QTLP652C4TR	F	Green	Water Clear	565	20	20°	.30	.25	.18	.14
638-11-21UBGC/TR8	EL-11-21UBGC/TR8	F	Blue Green	Water Clear	505	103	60°	1.95	1.74	1.52	1.30
638-1121BHCAP2R12T	EL-11-21/BHC-AP2R1/2T	F	Blue	Water Clear	470	100	60°	.43	.38	.33	.29
1206 SMD LEDs Reverse Mount											
638-2421UYCS530A28	EL-24-21UYC/S530-A2/TR8	G	Yellow	Water Clear	589	41	130°	.16	.15	.13	.11
638-24-21VGC/TR8	EL-24-21VGC/TR8	G	Green	Water Clear	571	15	130°	.17	.15	.13	.11
638-24-21UBGC/TR8	EL-24-21UBGC/TR8	G	Blue Green	Water Clear	505	58	130°	1.02	.91	.79	.68
638-2421UBCC430TR8	EL-24-21UBC/C430/TR8	G	Blue	Water Clear	466	18	130°	.87	.77	.67	.58
1206 SMD LEDs Reverse Mount With Inner Lens											
638-251SURCS530A28	EL-25-21SURC/S530-A2/TR8	G	Hyper Red	Water Clear	624	44	60°	.13	.12	.10	.09
638-2521UYCS530A28	EL-25-21UYC/S530-A2/TR8	G	Yellow	Water Clear	589	45	60°	.13	.12	.10	.09
638-25-21UBGC/TR8	EL-25-21UBGC/TR8	G	Blue Green	Water Clear	505	64	60°	1.15	1.02	.90	.77
638-2521UBCC430TR8	EL-25-21UBC/C430/TR8	G	Blue	Water Clear	466	20	60°	.84	.75	.65	.56
638-2521W1DANQHY2A	EL-25-21/W1D-ANQHY/2A	G	White	Yellow Diff	-	50	70°	.99	.88	.77	.66
1206 SMD LEDs Right Angle											
638-QTLP610CRTR	QTLP610CRTR	H	Red	Water Clear	660	15	140°	.26	.22	.17	.14
638-QTLP610CEBTR	QTLP610CEBTR	H	Blue	Water Clear	475	16	120°	1.18	.99	.71	.56
638-1221BHCAN192C	EL-12-21/BHC-AN192/2C	H	Blue	Water Clear	470	45	100°	.45	.40	.35	.30

EVERLIGHT SMD LEDs and LED Lamps

EVERLIGHT

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm



SMD LEDS (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color		Wavelength	Iv(mcd)	Angle	Price Each			
			Emitted	Lens				1	100	500	1000
SMD LEDs Right Angle											
638-215SURCS530A28	EL-12-215SURC/S530-A2/TR8	A	Hyper Red	Water Clear	624	48	130°	.11	.10	.08	.07
638-1215UYCS530A28	EL-12-215UYC/S530-A2/TR8	A	Yellow	Water Clear	589	49	130°	.11	.10	.08	.07
638-12-215VGC/TR8	EL-12-215VGC/TR8	A	Green	Water Clear	571	11	130°	.12	.11	.09	.08
638-12-215UBGC/TR8	EL-12-215UBGC/TR8	A	Blue Green	Water Clear	505	70	130°	2.23	1.98	1.73	1.48
638-12-215UBCC4308	EL-12-215UBC/C430/TR8	A	Blue	Water Clear	466	22	130°	.89	.79	.69	.59
638-1215W1DANPHY3C	EL-12-215/W1D-ANPHY/3C	A	White	Yellow Diff	-	40	140°	.57	.51	.45	.38
638-2721UYCS530A28	EL-27-21UYC/S530-A2/TR8	B	Yellow	Water Clear	589	34	130°	.13	.12	.10	.09
638-271SYGCS530E18	EL-27-21SYGC/S530-E1/TR8	B	Yellow Green	Water Clear	573	16	130°	.11	.10	.09	.07
638-2721BHCAN1P23C	EL-27-21/BHC-AN1P2/3C	B	Blue	Water Clear	470	40	130°	.65	.57	.50	.43
638-2721W1DANPHY3C	EL-27-21/W1D-ANPHY/3C	B	White	Yellow Diff	-	40	140°	.64	.57	.50	.43
PLCC SMD LEDs											
638-QTLP670C7	QTLP670C7TR	C	Red	Water Clear	660	40	120°	.34	.29	.21	.17
638-QTLP670CR	QTLP670CRTR	C	Red	Water Clear	660	42	120°	.32	.27	.20	.16
638-QTLP670C2	QTLP670C2TR	C	Hi-Eff Red	Water Clear	635	10	120°	.30	.25	.18	.14
638-672SURCS530-A2	EL-67-21SURC/S530-A2/TR8	C	Hyper Red	Water Clear	624	65	120°	.26	.22	.17	.13
638-672UYOCS530-A2	EL-67-21UYOC/S530-A2/TR8	C	Yellow Orange	Water Clear	605	67	120°	.26	.22	.17	.13
638-672UYCS530-A2	EL-67-21UYC/S530-A2/TR8	C	Yellow	Water Clear	589	56	120°	.20	.17	.13	.10
638-QTLP670C3	QTLP670C3TR	C	Yellow	Water Clear	585	10	120°	.30	.25	.18	.14
638-QTLP670CAGTR	QTLP670CAGTR	C	Yellow-Green	Water Clear	575	30	100°	.38	.32	.23	.18
638-672VGC	EL-67-21VGC/TR8	C	Green	Water Clear	571	25	120°	.19	.16	.13	.10
638-QTLP670C4	QTLP670C4TR	C	Green	Water Clear	565	25	120°	.30	.25	.18	.14
638-QTLP670CIGTR	QTLP670CIGTR	C	True Green	Water Clear	520	115	100°	1.80	1.52	1.24	1.07
638-672UBCC430	EL-67-21UBC/C430/TR8	C	Blue	Water Clear	466	55	120°	1.15	.96	.77	.58
638-QTLP670CIBTR	QTLP670CIBTR	C	Blue	Water Clear	465	60	120°	1.95	1.47	1.22	.98
638-672UWCS400-A4	EL-67-21UWC/S400-A4/TR8	C	White	Yellow Diff	-	290	120°	1.02	.85	.68	.51
638-67-23UWC/S400	67-23UWC/S400-X9/TR8	C	White	Yellow Diff	-	1500	120°	2.40	2.20	2.00	1.60
SMD LEDs High Bright White											
638-47-23UWD	47-23UWD/TR8	D	White	Yellow Diff	-	2000	130°	5.40	4.95	4.50	4.05
638-40-25AUWD	40-25AUWD/TR8	E	White	Yellow Diff	-	2500	130°	5.40	4.95	4.50	4.05
638-59-23UWD	59-23UWD/TR8	F	White	Yellow Diff	-	5000	60°	5.40	4.95	4.50	4.05
638-59-14UWD	59-14UWD/TR8	F	White	Yellow Diff	-	8500	50°	8.10	7.42	6.75	6.07
1.9mm Round Subminiature LEDs With Z Lead Bend											
638-912SURCS530	EL-91-21SURC/S530-A2/TR10	G	Hyper Red	Water Clear	624	482	25°	.16	.13	.10	.08
638-952SURCA2TR10	EL-95-21SURC/S530-A2/TR10	G	Hyper Red	Water Clear	624	482	25°	.19	.16	.13	.09
638-912UYCS530	EL-91-21UYC/S530-A2/TR10	G	Yellow	Water Clear	589	496	25°	.19	.16	.13	.09
638-912VGCTR10	EL-91-21VGC/TR10	G	Green	Water Clear	571	50	25°	.19	.16	.13	.09
638-952VGCTR10	EL-95-21VGC/TR10	G	Green	Water Clear	571	50	25°	.19	.16	.13	.09
638-952UBCC430TR10	EL-95-21UBC/C430/TR10	G	Blue	Water Clear	466	203	25°	1.08	.90	.72	.54
1.9mm Round Subminiature LEDs With Yoke Lead Bend											
638-952SURCA2TR9	EL-95-21SURC/S530-A2/TR9	H	Hyper Red	Water Clear	624	482	25°	.19	.16	.13	.09
638-952UYCA2TR9	EL-95-21UYC/S530-A2/TR9	H	Yellow	Water Clear	589	496	25°	.20	.17	.13	.10
638-952VGCTR9	EL-95-21VGC/TR9	H	Green	Water Clear	571	50	25°	.21	.18	.14	.11
638-952UBCC430TR9	EL-95-21UBC/C430/TR9	H	Blue	Water Clear	466	203	25°	1.08	.90	.72	.54
1.9mm Round Subminiature LEDs With Gull Wing Lead Bend											
638-952SURCA2TR7	EL-95-21SURC/S530-A2/TR7	I	Hyper Red	Water Clear	624	482	25°	.18	.15	.12	.09
638-952UYCA2TR7	EL-95-21UYC/S530-A2/TR7	I	Yellow	Water Clear	589	496	25°	.19	.16	.13	.09
638-952VGCTR7	EL-95-21VGC/TR7	I	Green	Water Clear	571	50	25°	.19	.16	.13	.09
638-952UBCC430TR7	EL-95-21UBC/C430/TR7	I	Blue	Water Clear	466	203	25°	1.08	.90	.72	.54

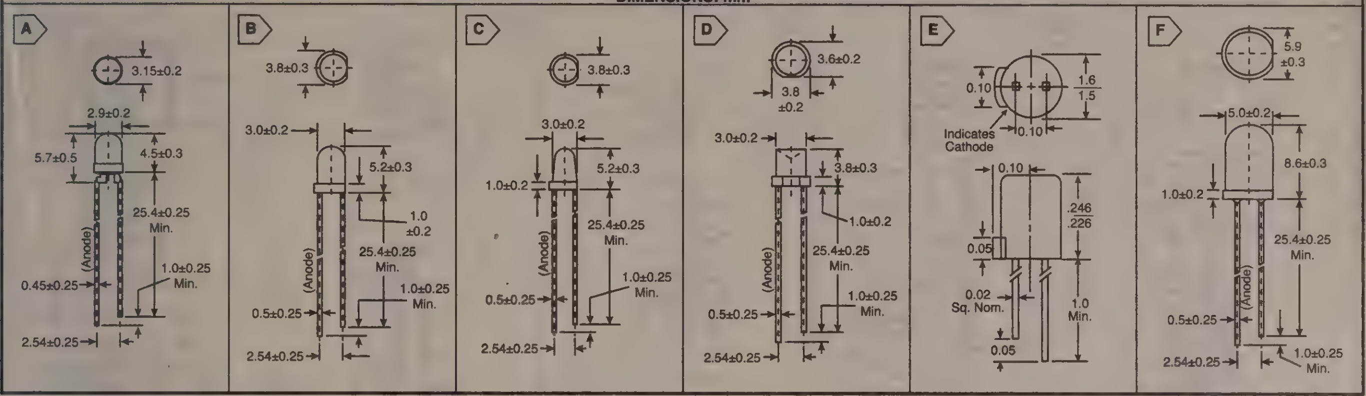
THRU-HOLE LEDS

T-100 Low Current LED Lamps											
638-HLMPK150	HLMPK150	J	Red	Red Diff.	660	2	60°	.19	.16	.11	.09
638-HLMP-K155	HLMPK155	J	Red	Red Clear	660	3	45°	.13	.11	.08	.07
638-HLMP-1700	HLMP1700	J	Hi-Eff Red	Red Diff.	635	2	50°	.14	.11	.09	.08
638-HLMP1719	HLMP1719	J	Yellow	Yellow Diff.	565	2	50°	.19	.16	.11	.09
638-HLMP1790	HLMP1790	J	Green	Green Diff.	565	2	50°	.19	.16	.11	.09
T-100 Super Bright LED Lamps											
638-MV7044	MV7044	J	AlInGaP Red	Water Clear	645	375	60°	.46	.40	.30	.25
638-MV7843	MV7843	J	Orange Red	Water Clear	630	240	60°	.45	.39	.29	.24
638-MV7742	MV7742	J	Orange	Water Clear	620	150	60°	.44	.38	.28	.23
638-MV7744	MV7744	J	Orange	Water Clear	620	375	60°	.46	.40	.30	.25
638-MV7343	MV7343	J	Yellow	Water Clear	590	240	60°	.45	.39	.29	.24
638-MV7344	MV7344	J	Yellow	Water Clear	590	375	60°	.46	.40	.30	.25
638-MV7442	MV7442	J	Green	Water Clear	570	240	60°	.38	.33	.27	.22
638-MV5B640	MV5B640	J	GaN/SIC Blue	Blue Diff.	430	120	45°	1.18	1.01	.84	.68
638-MV5B60	MV5B60	J	GaN/SIC Blue	Water Clear	430	350	35°	1.18	1.01	.84	.68

EVERLIGHT LED Lamps

RoHS Compliant This page of product is compliant.

DIMENSIONS: mm



THRU-HOLE LEDS (CONT.)

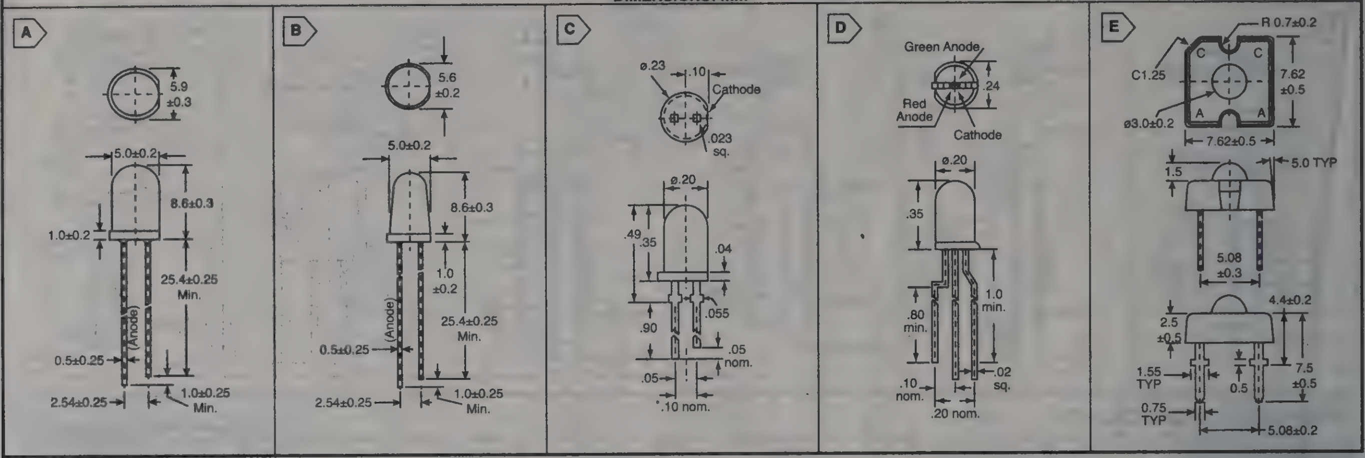
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color		Wavelength	Iv(mcd)	Angle	Price Each			
			Emitted	Lens				1	100	500	1000
T-1 Standard LED Lamps											
638-264-7HD	EL-264-7HD	A	Red	Color Diff	650	2	60°	.09	.07	.06	.04
638-264-7ID	EL-264-7ID	A	Hi-Eff Red	Color Diff	625	20	60°	.11	.09	.07	.05
638-264-7IT	EL-264-7IT	A	Hi-Eff Red	Color Trans	625	32	40°	.11	.09	.07	.05
638-264-7YD	EL-264-7YD	A	Yellow	Color Diff	590	20	60°	.11	.09	.07	.05
638-264-7YT	EL-264-7YT	A	Yellow	Color Trans	590	32	40°	.11	.09	.07	.05
638-264-7VGC	EL-264-7VGC	A	Green	Water Clear	571	63	40°	.10	.08	.07	.05
638-264-7GD	EL-264-7GD	A	Green	Color Diff	570	20	60°	.10	.08	.07	.05
638-264-7GT	EL-264-7GT	A	Green	Color Trans	570	80	40°	.10	.08	.07	.05
638-204HD	EL-204HD	B	Red	Color Diff	650	2	60°	.08	.07	.05	.04
638-204HT	EL-204HT	B	Red	Color Trans	650	8	30°	.08	.07	.06	.04
638-MV5774C	MV5774C	B	Hi-Eff Red	Red Diff.	635	9	90°	.19	.16	.11	.09
638-204ED	EL-204ED	B	Orange	Color Diff	625	12.6	70°	.10	.09	.07	.05
638-204ID	EL-204ID	B	Hi-Eff Red	Color Diff	625	12.6	60°	.10	.09	.07	.05
638-204ET	EL-204ET	B	Orange	Color Trans	625	40	30°	.10	.09	.07	.05
638-204IT	EL-204IT	B	Hi-Eff Red	Color Trans	625	40	30°	.11	.09	.07	.05
638-204YD	EL-204YD	B	Yellow	Color Diff	590	12.6	70°	.11	.09	.07	.05
638-204YT	EL-204YT	B	Yellow	Color Trans	590	50	30°	.11	.09	.07	.05
638-MV5374C	MV5374C	B	Yellow	Yellow Diff.	585	9	90°	.19	.16	.11	.09
638-204GD	EL-204GD	B	Green	Color Diff	570	20	70°	.10	.08	.06	.05
638-204GT	EL-204GT	B	Green	Color Trans	570	80	30°	.10	.08	.07	.05
638-MV5474C	MV5474C	B	Hi-Eff Green	Green Diff.	565	9	90°	.19	.16	.11	.09
T-1 Super Bright LED Lamps											
638-264-7SURCS5302	EL-264-7SURC/S530-A2	A	Hyper Red	Water Clear	624	110	40°	.11	.09	.07	.06
638-264-7USOCS5304	EL-264-7USOC/S530-A4	A	Sunset Orange	Water Clear	615	270	40°	.22	.18	.15	.11
638-264-7UYCS5304	EL-264-7UYC/S530-A4	A	Yellow	Water Clear	589	250	40°	.22	.18	.15	.11
638-264-7SUGCS4004	EL-264-7SUGC/S400-A4	A	Green	Water Clear	525	3200	45°	1.69	1.41	1.13	.85
638-264-7UBGCS400	EL-264-7UBGC/S400	A	Blue Green	Water Clear	505	1600	30°	2.15	1.79	1.43	1.08
638-264-7SUBCC4704	EL-264-7SUBC/C470/S400-A4	A	Blue	Water Clear	470	500	45°	.66	.55	.44	.33
638-HLMPK105	HLMPK105	B	Red	Water Clear	660	65	45°	.19	.16	.11	.09
638-HLMP1340	HLMP1340	B	Hi-Eff Red	Pale Org Tint	635	60	45°	.19	.16	.11	.09
638-HLMP1440	HLMP1440	B	Yellow	Pale Yel Tint	585	60	45°	.19	.16	.11	.09
638-HLMP1540	HLMP1540	B	Hi-Eff Green	Pale Grn Tint	565	60	45°	.19	.16	.11	.09
638-1224SDRCS530A4	EL-1224SDRC/S530-A4	C	Deep Red	Water Clear	639	320	20°	.23	.19	.15	.11
638-1224SURCS530	EL-1224SURC/S530-A2	C	Hyper Red	Water Clear	624	160	20°	.11	.09	.07	.06
638-1224UYOCS5302	EL-1224UYOC/S530-A2	C	Yellow Orange	Water Clear	605	210	25°	.11	.09	.07	.06
638-1224UYCS5302	EL-1224UYC/S530-A2	C	Yellow	Water Clear	589	210	25°	.13	.11	.08	.06
638-1224SUGCS400	EL-1224SUGC/S400-A5	C	Green	Water Clear	525	2000	30°	1.97	1.64	1.31	.99
638-1224UBGCS4004	EL-1224UBGC/S400-A4	C	Blue Green	Water Clear	505	630	25°	1.15	.96	.77	.58
638-1224SUBCC470S	EL-1224SUBC/C470/S400-A3	C	Blue	Water Clear	470	400	20°	.62	.52	.41	.31
638-20415UTC/S400-X9	204-15UTC/S400-X9	C	White	Water Clear	-	7150	20°	1.28	1.07	.76	.53
T-1 Backlight LED Lamps											
638-484IT	EL-484IT	D	Hi-Eff Red	Color Trans	635	4	160°	.13	.11	.09	.06
638-484ET	EL-484ET	D	Orange	Color Trans	625	4	160°	.12	.10	.08	.06
638-484YT	EL-484YT	D	Yellow	Color Trans	590	4	160°	.12	.10	.08	.06
638-484GT	EL-484GT	D	Green	Color Trans	570	8	160°	.10	.09	.07	.05
4mm Flat Top LED Lamps											
638-HLMPM200	HLMPM200	E	Hi-Eff Red	Red Diffused	635	5	135°	.19	.16	.11	.09
638-HLMPM201	HLMPM201	E	Hi-Eff Red	Red Diffused	635	7	135°	.19	.16	.11	.09
638-HLMPM251	HLMPM251	E	Hi-Eff Red	Red Clear	635	7	80°	.19	.16	.11	.09
638-HLMPM300	HLMPM300	E	Yellow	Yellow Diffused	585	5	135°	.19	.16	.11	.09
638-HLMPM301	HLMPM301	E	Yellow	Yellow Diffused	585	7	135°	.19	.16	.11	.09
638-HLMPM351	HLMPM351	E	Yellow	Yellow Clear	585	7	80°	.19	.16	.11	.09
638-HLMPM500	HLMPM500	E	Green	Green Diffused	565	7	135°	.19	.16	.11	.09
638-HLMPM501	HLMPM501	E	Green	Green Diffused	565	10	135°	.19	.16	.11	.09
638-HLMPM551	HLMPM551	E	Green	Green Clear	565	16	80°	.19	.16	.11	.09
T-1 3/4 Low Current LED Lamps											
638-HLMP-D150A	HLMPD150A	F	Red	Red Diff.	660	3	65°	.13	.11	.08	.07
638-HLMP4700	HLMP4700	F	Hi-Eff Red	Red Diff.	635	2	35°	.19	.16	.11	.09
638-HLMP4719	HLMP4719	F	Yellow	Yellow Diff.	585	3	35°	.19	.16	.11	.09
638-HLMP4740	HLMP4740	F	Green	Green Diff.	565	3	35°	.19	.16	.11	.09
T-1 3/4 Maximum Contrast LED Lamps											
638-MV6951	MV6951	F	Red	Pale Pink Diff.	660	12	70°	.19	.16	.11	.09
638-MV6151	MV6151	F	Hi-Eff Red	Pale O Diff.	635	12	70°	.19	.16	.11	.09
638-MV6351	MV6351	F	Yellow	Pale Y Diff.	585	12	70°	.19	.16	.11	.09
638-MV6451	MV6451	F	Green	Pale G Diff.	565	12	70°	.19	.16	.11	.09

EVERLIGHT LED Lamps

RoHS Compliant This page of product is compliant.

DIMENSIONS: mm



THRU-HOLE LEDS (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color		Wavelength	Iv(mcd)	Angle	Price Each			
			Emitted	Lens				1	100	500	1000
T-1 3/4 Standard LED Lamps											
638-333HD	EL-333HD	A	Red	Color Diff	650	4	60°	.08	.07	.06	.04
638-333HT	EL-333HT	A	Red	Color Trans	650	8	20°	.08	.07	.05	.04
638-333ID	EL-333ID	A	Hi-Eff Red	Color Diff	625	20	60°	.10	.09	.07	.05
638-333IT	EL-333IT	A	Hi-Eff Red	Color Trans	625	60	20°	.10	.09	.07	.05
638-333YD	EL-333YD	A	Yellow	Color Diff	590	20	60°	.10	.09	.07	.05
638-333YT	EL-333YT	A	Yellow	Color Trans	590	80	20°	.10	.09	.07	.05
638-333GD	EL-333GD	A	Green	Color Diff	570	20	60°	.09	.08	.06	.05
638-333GT	EL-333GT	A	Green	Color Trans	570	60	20°	.09	.08	.06	.05
T-1 3/4 Super Bright LED Lamps											
638-MV8190	MV8190	A	Red	Red Diff	660	100	45°	.31	.26	.19	.15
638-MV8191	MV8191	A	Red	Red Diff	660	200	45°	.30	.25	.18	.14
638-MV8140	MV8140	A	Red	Water Clear	660	220	40°	.31	.26	.19	.15
638-MV8141	MV8141	A	Red	Water Clear	660	370	40°	.33	.28	.21	.17
638-MV8102	MV8102	A	Red	Water Clear	660	370	20°	.25	.21	.16	.13
638-MV8111	MV8111	A	Red	Water Clear	660	370	12°	.25	.21	.16	.13
638-MV8112	MV8112	A	Red	Water Clear	660	930	12°	.24	.20	.15	.12
638-MV8104	MV8104	A	Red	Water Clear	660	1500	20°	.24	.20	.15	.12
638-MV8113	MV8113	A	Red	Water Clear	660	1500	12°	.24	.20	.15	.12
638-MV8114	MV8114	A	Red	Water Clear	660	2400	12°	.24	.20	.15	.12
638-333-2SURCS5306	EL-333-2SURC/S530-A6	A	Hyper Red	Water Clear	624	2750	10°	.22	.19	.17	.15
638-MV8741	MV8741	A	Orange	Water Clear	620	370	45°	.47	.41	.31	.26
638-MV8742	MV8742	A	Orange	Water Clear	620	600	45°	.47	.41	.31	.26
638-MV8703	MV8703	A	Orange	Water Clear	620	940	20°	.43	.38	.32	.27
638-MV8713	MV8713	A	Orange	Water Clear	620	940	12°	.43	.38	.32	.27
638-MV8705	MV8705	A	Orange	Water Clear	620	2400	20°	.43	.38	.32	.27
638-MV8716	MV8716	A	Orange	Water Clear	620	3500	12°	.43	.38	.32	.27
638-333-2USOCS5306	EL-333-2USOC/S530-A6	A	Sunset Orange	Water Clear	615	3590	10°	.35	.29	.23	.18
638-MV8341	MV8341	A	Yellow	Water Clear	590	220	45°	.47	.41	.31	.26
638-MV8313	MV8313	A	Yellow	Water Clear	590	940	12°	.43	.38	.32	.27
638-MV8304	MV8304	A	Yellow	Water Clear	590	1500	20°	.43	.38	.32	.27
638-MV8314	MV8314	A	Yellow	Water Clear	590	1500	12°	.43	.38	.32	.27
638-MV8305	MV8305	A	Yellow	Water Clear	590	2400	20°	.43	.38	.32	.27
638-MV8315	MV8315	A	Yellow	Water Clear	590	2400	12°	.43	.38	.32	.27
638-MV8316	MV8316	A	Yellow	Water Clear	590	3500	12°	.47	.41	.31	.26
638-333-2UYCS5306	EL-333-2UYC/S530-A6	A	Yellow	Water Clear	589	3240	10°	.37	.31	.25	.18
638-MV8410	MV8410	A	Green	Water Clear	565	240	12°	.33	.28	.21	.17
638-MV8411	MV8411	A	Green	Water Clear	565	370	12°	.33	.28	.21	.17
638-MV8412	MV8412	A	Green	Water Clear	565	620	12°	.34	.29	.22	.18
638-333-2SUGCS4003	EL-333-2SUGC/S400-A3	A	Green	Water Clear	525	5500	10°	1.18	.98	.79	.59
638-333-2UBGCS4004	EL-333-2UBGC/S400-A4	A	Blue Green	Water Clear	505	4000	15°	2.02	1.68	1.35	1.01
638-333-2SUBC470S3	EL-333-2SUBC/C470/S400-A3	A	Blue	Water Clear	470	1300	10°	.62	.51	.41	.31
638-334-15T2C21TVB	EL-334-15/T2C2-1TVB	A	White	Water Clear	-	7150	20°	.94	.78	.63	.47
638-383-2SDRCS5304	EL-383-2SDRC/S530-A4	B	Deep Red	Water Clear	639	1250	6°	.22	.18	.14	.11
638-383-2SUGCS400	EL-383-2SUGC/S400	B	Green	Water Clear	525	4000	6°	1.69	1.41	1.13	.84
638-383-2UBGCS4004	EL-383-2UBGC/S400-A4	B	Blue Green	Water Clear	505	5000	10°	1.15	.96	.77	.58
638-383-2SUBCC470S	EL-383-2SUBC/C470/S400-A4	B	Blue	Water Clear	470	1600	8°	1.08	.90	.72	.54
T-1 3/4 Standard LED Lamps With Stand-Off											
638-HLMP3750A	HLMP3750A	C	Hi-Eff Red	Orange Clear	635	150	24°	.19	.16	.11	.09
638-HLMP3850A	HLMP3850A	C	Yellow	Pale Yel Tint	585	150	24°	.19	.16	.11	.09
638-HLMP3950A	HLMP3950A	C	Hi-Eff Green	Pale Grn Tint	565	150	24°	.19	.16	.11	.09
T-1 3/4 Dual Color LED Lamps											
638-MV5337	MV5337	D	Red/Yellow	White Diff.	635/585	6	100°	.30	.25	.18	.14
638-MV5437	MV5437	D	Red/Green	White Diff.	635/565	6	100°	.30	.25	.18	.14
High Power Flux 4-Pin LED Lamps											
638-30-01USRC	EL-30-01USRC	E	Red	Water Clear	631	1310	70°	.42	.34	.28	.25
638-30-01SURC	EL-30-01SURC	E	Hyper Red	Water Clear	624	1310	70°	.42	.35	.28	.21
638-30-01USOC	EL-30-01USOC	E	Sunset Orange	Water Clear	615	1310	70°	.40	.33	.27	.20
638-30-01UYC	EL-30-01UYC	E	Yellow	Water Clear	589	1310	70°	.40	.33	.27	.20
638-30-01UBGC	EL-30-01UBGC	E	Blue Green	Water Clear	505	250	60°	1.44	1.20	.96	.72
638-30-01SUBC	EL-30-01SUBC	E	Blue	Water Clear	470	400	60°	2.87	2.39	1.92	1.44
638-30-01UTCMB	30-01UTC/MB	E	White	Water Clear	-	800	50°	1.67	1.32	1.02	.89

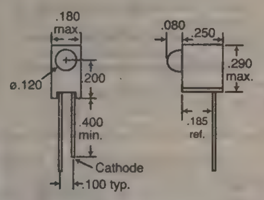
EVERLIGHT LED Circuit Board Indicators

EVERLIGHT

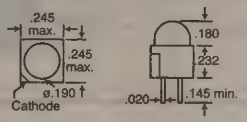
RoHS Compliant This page of product is compliant.

DIMENSIONS: in.

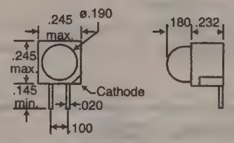
A


.180
max.
ø.120
.200
.400
min.
Cathode
.100 typ.
.080
.250
.290
max.
.185
ref.

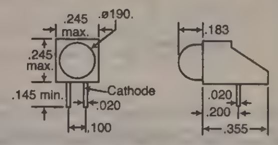
B


.245
max.
.245
max.
ø.190
Cathode
.180
.232
.020
.145 min.

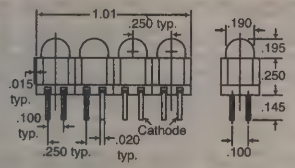
C


.245
max.
ø.190
.245
max.
.145
min.
Cathode
.020
.100
.180
.232

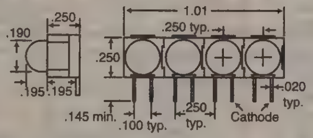
D


.245
max.
ø.190.
.245
max.
.145 min.
Cathode
.020
.100
.183
.020
.200
.355

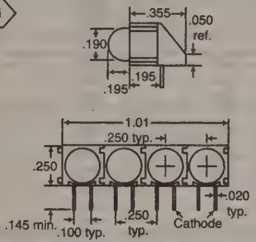
E


1.01
.250 typ.
.015
typ.
.100
typ.
.250 typ.
.020
typ.
Cathode
.190
.195
.250
.145
.100

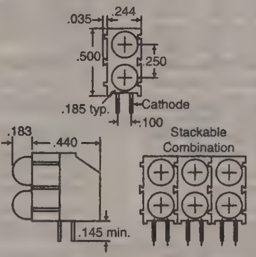
F


.250
.190
.195
.195
1.01
.250 typ.
.250
.145 min.
.100 typ.
.250
typ.
Cathode
.020
typ.

G


.355
.050
ref.
.190
.195
.195
1.01
.250 typ.
.250
.145 min.
.100 typ.
.250
typ.
Cathode
.020
typ.

H


.035
.244
.500
.250
.185 typ.
Cathode
.100
.183
.440
Stackable
Combination
.145 min.

PCB INDICATORS

T-1 PCB Indicators

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color	Description	Vf	mcd	mA	Price Each		
								1	100	500
638-MV5764.MP4B	MV5764MP4B	A	Hi-Eff.Red	Right Angle	2	2	10	.41	.35	.26
638-MV5064.MP4B	MV5064MP4B	A	Red	Right Angle	1.6	1.5	20	.41	.35	.26
638-MV5364.MP4B	MV5364MP4B	A	Yellow	Right Angle	2.1	2	10	.41	.35	.26
638-MV5464.MP4B	MV5464MP4B	A	Green	Right Angle	2.2	5	20	.41	.35	.26

T-1 3/4 PCB Indicators

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color	Description	Vf	mcd	mA	Price Each		
								1	100	500
638-MV67539.MP5	MV67539MP5	B	Hi-Eff.Red	Straight	2.1	15	20	.42	.36	.27
638-MV60539.MP5	MV60539MP5	B	Red	Straight	1.7	3.2	20	.43	.37	.28
638-MV63539.MP5	MV63539MP5	B	Yellow	Straight	2.1	20	20	.42	.36	.27
638-MV64539.MP5	MV64539MP5	B	Green	Straight	2.2	28	20	.42	.36	.27
638-MV67539.MP6	MV67539MP6	C	Hi-Eff.Red	Right Angle	2.1	15	20	.42	.36	.27
638-MV60539.MP6	MV60539MP6	C	Red	Right Angle	1.7	3.2	20	.43	.37	.28
638-MV63539.MP6	MV63539MP6	C	Yellow	Right Angle	2.1	20	20	.42	.36	.27
638-MV64539.MP6	MV64539MP6	C	Green	Right Angle	2.2	28	20	.42	.36	.27
638-MV67539.MP7	MV67539MP7	D	Hi-Eff.Red	Right Angle	2.1	15	20	.43	.37	.28
638-MV60539.MP7	MV60539MP7	D	Red	Right Angle	1.7	3.2	20	.43	.37	.28
638-MV63539.MP7	MV63539MP7	D	Yellow	Right Angle	2.1	20	20	.43	.37	.28
638-MV64539.MP7	MV64539MP7	D	Green	Right Angle	2.2	28	20	.43	.37	.28

T-1 3/4 Bi-Color PCB Indicators

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color	Description	Vf	mcd	mA	Price Each		
								1	100	500
638-MV54919.MP5	MV54919MP5	B	Red/Green	Straight	2.3	6	20	.59	.51	.40
638-MV54919.MP6	MV54919MP6	C	Red/Green	Right Angle	2.3	6	20	.59	.51	.40
638-MV54919.MP7	MV54919MP7	D	Red/Green	Right Angle	2.3	6	20	.59	.51	.40

T-1 3/4 Unit PCB Indicators

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color	Description	Vf	mcd	mA	Price Each		
								1	100	500
638-MV60539.MP8	MV60539MP8	E	Red	4 Lamp Straight	1.7	3.2	20	1.53	1.32	1.10
638-MV64539.MP8	MV64539MP8	E	Green	4 Lamp Straight	2.2	28	20	1.53	1.32	1.10
638-MV67539.MP8A	MV67539MP8A	F	Hi-Eff.Red	4 Lamp Right Angle	2.1	15	20	1.53	1.32	1.10
638-MV60539.MP8A	MV60539MP8A	F	Red	4 Lamp Right Angle	1.7	3.2	20	1.53	1.32	1.10
638-MV63539.MP8A	MV63539MP8A	F	Yellow	4 Lamp Right Angle	2.1	20	20	1.53	1.32	1.10
638-MV64539.MP8A	MV64539MP8A	F	Green	4 Lamp Right Angle	2.2	28	20	1.53	1.32	1.10
638-MV67539.MP8B	MV67539MP8B	G	Hi-Eff.Red	4 Lamp Right Angle	2.1	15	20	1.53	1.32	1.10
638-MV60539.MP8B	MV60539MP8B	G	Red	4 Lamp Right Angle	1.7	3.2	20	1.53	1.32	1.10
638-MV63539.MP8B	MV63539MP8B	G	Yellow	4 Lamp Right Angle	2.1	20	20	1.53	1.32	1.10
638-MV64539.MP8B	MV64539MP8B	G	Green	4 Lamp Right Angle	2.2	28	20	1.53	1.32	1.10

T-1 3/4 Bi-Level PCB Indicators

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Color	Description	Vf	mcd	mA	Price Each		
								1	100	500
638-MV60539.MP90	MV60539MP90	H	Red	Bi-Level	1.7	3.2	20	.78	.67	.58
638-MV63539.MP93	MV63539MP93	H	Yellow	Bi-Level	2.1	20	20	.78	.67	.58
638-MV64539.MP94	MV64539MP94	H	Green	Bi-Level	2.2	28	20	.80	.69	.60
638-MV67539.MP97	MV67539MP97	H	Hi-Eff.Red	Bi-Level	2.1	15	20	.78	.67	.58

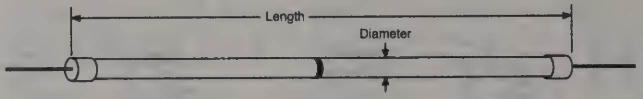
JKL COMPONENTS CCFL Lamps and Inverters

JKL Components Corporation

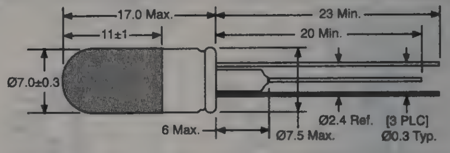
Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIMENSIONS: in. (mm)

A



B



COLD CATHODE FLUORESCENT LAMPS (CCFL)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Diameter (mm)	Length (mm)	Lamp Volts (V)	Start Volts (V)	Lamp Current (mA)	Intensity (Cd./m2)	Price Each			
									1	10	50	100
2.0mm diameter lamps, White												
560-BF20218-24B	BF20218-24B	A	2	218	740	1700	5	38000	11.34	10.29	8.64	8.35
560-BF20292-24B	BF20292-24B	A	2	292	810	1820	5	38000	12.77	11.55	9.72	9.32
2.2mm diameter lamps, White												
560-BF2261-24B	BF2261-24B	A	2.2	61	235	680	5	38000	10.29	9.31	7.84	7.45
560-BF22140-24B	BF22140-24B	A	2.2	140	340	730	5	38000	10.29	9.31	7.84	7.64
560-BF22258-25B	BF22258-25B	A	2.2	258	720	1700	5	38000	10.29	9.31	8.28	8.19
2.6mm diameter lamps, White												
560-BF26188-20B	BF26188-20B	A	2.6	188	525	1300	5	30000	10.29	9.31	7.84	7.59
560-BF26214-20B	BF26214-20B	A	2.6	214	620	1450	5	30000	10.29	9.31	8.18	8.04
560-BF26240-24B	BF26240-24B	A	2.6	240	505	1250	5	30000	12.76	11.55	9.72	9.32
560-BF26250-24B	BF26250-24B	A	2.6	250	525	1300	5	30000	12.72	11.55	9.72	9.32
560-BF26285-20B	BF26285-20B	A	2.6	285	725	1500	5	30000	12.76	11.55	9.72	9.32
560-BF26318-20B	BF26318-20B	A	2.6	318	676	1636	5	34000	12.77	11.52	9.72	9.32
3.2mm diameter lamps, White												
560-BF350-20B	BF350-20B	A	3.2	50	195	500	5	28000	10.29	9.31	7.84	7.45
560-BF375-20B	BF375-20B	A	3.2	75	210	525	5	28000	10.29	9.31	7.84	7.45
560-BF3100-20B	BF3100-20B	A	3.2	100	270	665	5	28000	10.29	9.31	7.84	7.54
560-BF3160-20B	BF3160-20B	A	3.2	160	345	850	5	28000	10.29	9.31	7.84	7.54
560-BF3216-20B	BF3216-20B	A	3.2	216	440	1100	5	28000	10.29	9.31	7.84	7.64
560-BF3222-24B	BF3222-24B	A	3.2	222	440	1100	5	28000	10.29	9.31	7.84	7.64
560-BF3228-21B	BF3228-21B	A	3.2	228	460	1150	5	28000	10.29	9.31	7.84	7.64
560-BF3250-20B	BF3250-20B	A	3.2	250	520	1200	5	28000	10.29	9.31	7.84	7.45
560-BF3300-20B	BF3300-20B	A	3.2	300	665	1350	5	28000	12.76	11.55	9.72	9.32
560-BF3380-20B	BF3380-20B	A	3.2	380	825	1590	5	28000	12.76	11.55	9.72	9.32
4.1mm diameter lamps, White												
560-BF4220-20B	BF4220-20B	A	4.1	220	405	410	5	15000	10.29	9.31	7.84	7.45
560-BF4418-20B	BF4418-20B	A	4.1	418	765	1400	5	15000	13.69	12.39	10.44	9.99
5.6mm diameter lamps, White												
560-BF5118-20B	BF5118-20B	A	5.6	118	305	600	5	7000	10.29	9.31	7.84	7.45
560-BF5165-20B	BF5165-20B	A	5.6	165	400	800	5	7000	10.29	9.31	7.84	7.45
560-BF5200-20B	BF5200-20B	A	5.6	200	445	850	5	7000	10.29	9.31	7.84	7.45
560-BF5300-20B	BF5300-20B	A	5.6	300	600	410	5	7000	10.29	9.31	7.84	7.45

ULTRA VIOLET LAMPS 365NM

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Diameter (mm)	Length (mm)	Operating Volts (V)	Start Volts (V)	Watts @ 5mA	Output uW/cm2@1"	Price Each			
									1	10	50	100
560-BF350-UV1	BF350-UV1	A	3	50	195	500	0.98	0.3	10.29	9.31	7.84	7.45
560-BF3100-UV1	BF3100-UV1	A	3	41	270	675	1.35	0.25	10.29	9.31	7.84	7.45
560-BF959-UV1/3	BF959-UV1/3	A	9	59	150	375	0.75	0.15	10.29	9.31	7.84	7.45

HOT CATHODE LAMPS

For quantities of 250 and up, call for quote.

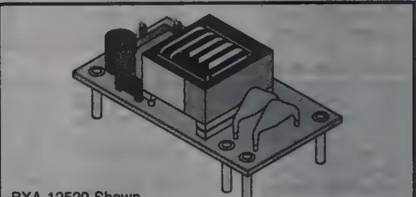
MOUSER STOCK NO.	JKL Components Part No.	Fig.	Diameter (mm)	Length (mm)	Color	Running Voltage (V)	Current (mA)	Intensity	Price Each			
									1	10	50	100
560-BGF717-UV1	BGF717-UV1	B	7	17	Ultraviolet (365 nm)	10	14	.1mW/Cm2@365 nm	10.29	9.31	7.84	7.45

INVERTERS FOR FLUORESCENT LAMPS

* Connectors Below

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Description	Input Volt (V)	Output		Price Each			
				Volts (V)	Current (mA)	1	10	50	100
560-BXA-302	BXA-302	Single Output	3	650	4.5	13.23	11.97	10.08	9.59
560-BXA-502	BXA-502	Single Output	5	650	4.5	15.12	13.86	11.97	10.89
*560-BXA-503	BXA-503	Single Output	6	1200	5	14.95	13.53	11.39	10.69
560-BXA-12529	BXA-12529	Dual Output	12	850	5.5	15.12	13.86	11.97	10.89
560-BXA-12529/PSI	BXA-12529/PSI	Dual Output, Potted	12	850	5.5	15.12	13.86	11.97	10.89
560-BXA-12576	BXA-12576	Single Output	12	800	4	15.12	13.86	11.97	10.89
*560-BXA-12579	BXA-12579	Dual Output	12	1500	5	15.12	13.86	11.97	10.89
*560-BXA-12617C-6M	BXA-12617C-6M	Single Output,Dimming	12	1200	6.2	14.95	13.53	11.39	10.69
560-BXA-12665-5M	BXA-12665-5M	Single Output,Dimming	12	1200	5	21.85	19.55	18.98	17.25
560-BXA-24529	BXA-24529	Dual Output	24	410	5.5	15.12	13.86	11.97	10.89



BXA-12529 Shown

ACCESSORIES

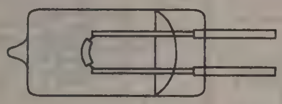
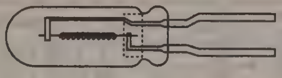
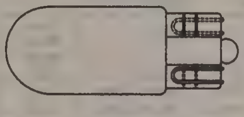
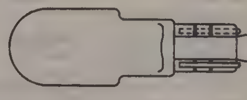
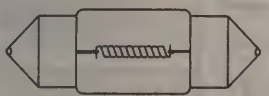
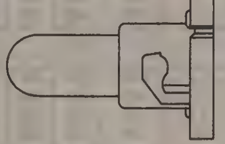
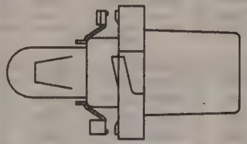
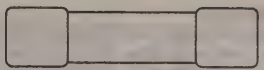
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Description	Price Each			
			1	10	50	100
Input/Output connectors for select inverters.						
560-BXC-10574	BXC-10574	Input Connector for Inverter BXA-503	2.63	2.37	2.00	1.79
560-BXC-10585	BXC-10585	Output Connector for Inverter BXA-503	2.63	2.37	2.00	1.79
560-BXC-10546	BXC-10546	Input Connector for Inverter BXA-12563	2.63	2.37	2.00	1.79
560-BXC-10567	BXC-10567	Output Connector for Inverter BXA-12563	2.63	2.37	2.00	1.79
560-BXC-10580	BXC-10580	Input Connector for Inverter BXA-12617C-6M	2.63	2.37	2.00	1.79
560-BXC-10643	BXC-10643	Output Connector for Inverter BXA-12617C-6M	2.63	2.37	2.00	1.79
560-BXC-10605	BXC-10605	Input Connector for Inverter BXA-12579	2.63	2.37	2.00	1.79
560-BXC-10569	BXC-10569	Output Connector for Inverter BXA-12579	2.63	2.37	2.00	1.79
High Voltage Wire: • Silver plated high voltage wire which is required for proper connection of high voltage inverters to lamp.						
560-BFW-UL3239-24P	BFW-UL3239-24P	24 AWG, Pink, 10 Ft.	9.12	7.30	6.38	5.84
560-BFW-UL3239-24W	BFW-UL3239-24W	24 AWG, White, 10 Ft.	9.12	7.30	6.38	5.84

JKL COMPONENTS White Lamps and Accessories

Products may be RoHS compliant.
Check mouser.com for RoHS status.

JKL
Components Corporation

A

B

C

D

E

F

G

H


HALOGEN HIGH BRIGHTNESS BULB

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Desc	Lamp Volts (V)	Lamp Curr. (A)	Length (mm)	Diameter (mm)	MSCP (CP)	LUMENS (Lm)	Average Life	Price Each			
											1	10	50	100
560-GB12417	GB12417	A	G-4	12.0 DC	0.417	21.5	9.0	4.78	60.1	2000	2.80	2.52	2.24	1.96

GAS FILLED GLASS BI-PIN WHITE LIGHT BULB

For quantities of 250 and up, call for quote.

560-XE2405	XE2405	B	2 Bi-Pin	24	0.208	20.0	7.0	3.2	40.0	10000	2.38	2.14	1.90	1.66
560-XE2410	XE2410	B	2 Bi-Pin	24	0.417	20.0	7.0	7.6	95.0	10000	2.38	2.14	1.90	1.66

GAS FILLED GLASS WEDGE BASE WHITE LIGHT BULB

For quantities of 250 and up, call for quote.

560-XE112	XE112	C	T-3 1/4	12	0.270	26.8	10.3	3.0	37.6	1000	1.50	1.35	1.20	1.05
560-XE359	XE359	C	T-3 1/4	14	0.214	26.8	10.3	2.0	25.0	10000	1.50	1.35	1.20	1.05
560-XE659	XE659	C	T-3 1/4	28	0.220	26.8	10.3	4.38	55.0	5000	1.50	1.35	1.20	1.05

GLASS WEDGE HI-BRIGHT INCANDESCENT

For quantities of 250 and up, call for quote.

560-EWG103	EWG103	D	T-1 1/2	14	0.220	16.5	6.8	1.7	21.32	1500	.73	.65	.58	.51
560-EWG203	EWG203	D	T-1 1/2	14	0.115	16.5	6.8	0.9	11.31	1500	.73	.65	.58	.51

FESTOON INCANDESCENT LAMPS

For quantities of 250 and up, call for quote.

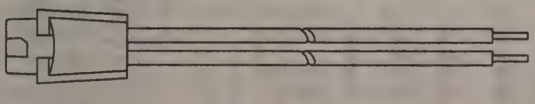
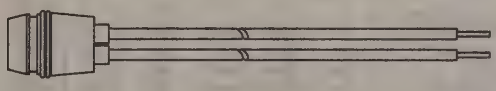
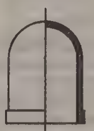
560-A3173B	A3173B	E	Axial	12	0.620	30.0	10.0	6.0	75	400	1.03	.92	.82	.72
560-A3175B	A3175B	E	Axial	12	0.770	30.0	10.0	9.5	120	400	1.03	.92	.82	.72

NEO-WEDGE INCANDESCENT LAMPS

For quantities of 250 and up, call for quote.

560-CNW123	CNW1-23	F	T-1	14	0.040	9.0	3.0	0.15	1.89	16000	.65	.59	.52	.46
560-DNW1DW10	DNW1-DW10	F	T-1 1/4	14	0.100	14.0	4.2	0.50	5.29	10000	.63	.56	.50	.44
560-ENW1EW87	ENW1-EW87	F	T-1 1/2	14	0.140	14.5	4.7	0.95	12.00	7000	.88	.79	.70	.61
560-WWT1EW10	WWT1-EW10	G	PCB mount	14	0.100	21.9	4.7	0.50	6.29	6000	.75	.68	.60	.53
560-GF550	GF550	H	fuse style	6	0.200	31.0	6.4	0.40	5.03	5000	1.03	.92	.82	.72
560-GF780	GF780	H	fuse style	12	0.150	31.0	6.4	0.70	9.00	5000	1.03	.92	.82	.72

ACCESSORIES

A

B

C


Sockets for T-1 1/2 Glass Wedge Bulbs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Description	Price Each			
				1	10	100	500
560-2967	2967	A	6 inch leads	.65	.59	.52	.46
560-2948	2948	B	6 inch leads	.97	.86	.78	.71

Color Filters for T-1 3/4 Bulbs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Description	Price Each			
				1	10	100	500
560-39081A	39-08-1A	C	Red	.20	.18	.16	.14
560-39085A	39-08-5A	C	Blue	.20	.18	.16	.14
560-39084A	39-08-4A	C	Green	.20	.18	.16	.14
560-39083A	39-08-3A	C	Yellow	.20	.18	.16	.14

Color Filters for T-1 Bulbs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Description	Price Each			
				1	10	100	500
560-39021A	39-02-1A	C	Red	.20	.18	.16	.14
560-39025A	39-02-5A	C	Blue	.20	.18	.16	.14
560-39024A	39-02-4A	C	Green	.20	.18	.16	.14
560-39023A	39-02-3A	C	Yellow	.20	.18	.16	.14

Color Filters for T-3 1/4 Bulbs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JKL Components Part No.	Fig.	Description	Price Each			
				1	10	100	500
560-39121A	39-12-1A	C	Red	.28	.25	.22	.19
560-39125A	39-12-5A	C	Blue	.28	.25	.22	.19
560-39124A	39-12-4A	C	Green	.28	.25	.22	.19
560-39123A	39-12-3A	C	Yellow	.28	.25	.22	.19

KINGBRIGHT SMD LED Lamps

Kingbright
An ISO 9002 & QS 9000 Company

Products may be RoHS compliant.
Check mouser.com for RoHS status.

SURFACE MOUNT LED LAMPS

NEW FROM SUPPLIER

0402 LEDs

- Forward current: 20mA

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Peak Wave-length (nm)	Luminous Intensity		Typ. Forward Voltage (V)	Viewing Angle	Price Each				
			LED	Lens		Min.	Typ.			1	100	500	1000	2000+
604-APHHS1005SURCK	APHHS1005SURCK	A	Red	Water Clear	650	50	150	1.95	120°	.23	.21	.18	.16	Call for Quote
604-APHHS1005SECK	APHHS1005SECK	A	Orange	Water Clear	610	50	160	2.1	120°	.23	.21	.18	.16	
604-APHHS1005CGCK	APHHS1005CGCK	A	Green	Water Clear	574	10	40	2.1	120°	.19	.17	.15	.14	
604-APHHS1005PBC/A	APHHS1005PBC/A	A	Blue	Water Clear	468	18	60	3.2	120°	.42	.38	.34	.30	
604-APHH1005RWF/A	APHH1005RWF/A	A	White	- - -	- - -	70	140	3.2	170°	.65	.59	.52	.46	

0603 LEDs

- Forward current: 20mA

604-APT1608SRCPRV	APT1608SRCPRV	B	Red	Water Clear	640	40	100	1.9	120°	.16	.13	.11	.08	CALL FOR QUOTE
604-APT1608SURCK	APT1608SURCK	B	Red	Water Clear	630	50	100	2	120°	.25	.20	.17	.12	
604-APT1608SURC	APT1608SURC	B	Red	Water Clear	628	70	150	1.9	120°	.32	.26	.22	.16	
604-APT1608EC	APT1608EC	B	Red	Water Clear	625	5	12	2	120°	.10	.09	.08	.07	
604-APT1608SEW/E	APT1608SEW/E	B	Red	White Diffused	621	60	200	2	120°	.41	.33	.28	.21	
604-APT1608NW	APT1608NW	B	Orange	White Diffused	610	5	12	2.1	120°	.14	.11	.10	.07	
604-APT1608SECK	APT1608SECK	B	Orange	Water Clear	601	50	160	2.1	120°	.25	.20	.17	.12	
604-APT1608SEC	APT1608SEC	B	Orange	Water Clear	601	80	200	2	120°	.32	.25	.22	.16	
604-APT1608SYCK	APT1608SYCK	B	Yellow	Water Clear	590	30	60	2	120°	.25	.20	.17	.12	
604-APT1608YC	APT1608YC	B	Yellow	Water Clear	588	3	8	2.1	120°	.19	.15	.13	.10	
604-APT1608SYC	APT1608SYC	B	Yellow	Water Clear	588	40	80	2	120°	.32	.25	.22	.16	
604-APT1608PYW	APT1608PYW	B	Yellow	White Diffused	585	3	8	2.1	120°	.14	.11	.10	.07	
604-APT1608SGC	APT1608SGC	B	Green	Water Clear	568	3	10	2.2	120°	.10	.09	.08	.07	
604-APT1608QGW	APT1608QGW	B	Green	White Diffused	565	3	12	2.2	120°	.13	.11	.09	.06	
604-APT1608PGW	APT1608PGW	B	Green	White Diffused	555	2	5	2.3	120°	.13	.11	.09	.06	

0802 LEDs

- Forward current: 20mA

604-APJA2107SRCPRV	APJA2107SRCPRV	C	Red	Water Clear	640	40	70	1.9	120°	.23	.18	.16	.11	CALL FOR QUOTE
604-APJA2107SURC	APJA2107SURC	C	Red	Water Clear	628	80	150	1.9	120°	.41	.33	.28	.21	
604-APJA2107EC	APJA2107EC	C	Red	Water Clear	625	5	12	2	120°	.21	.17	.15	.12	
604-APJA2107SEW/E	APJA2107SEW/E	C	Red	White Diffused	621	80	200	2	120°	.50	.40	.34	.25	
604-APJA2107SECK	APJA2107SECK	C	Orange	Water Clear	601	80	200	2.1	120°	.30	.24	.20	.15	
604-APJA2107SEC	APJA2107SEC	C	Orange	Water Clear	601	50	250	2	120°	.41	.33	.28	.21	
604-APJA2107SYCK	APJA2107SYCK	C	Yellow	Water Clear	590	20	60	2	120°	.30	.24	.20	.15	
604-APJA2107YC	APJA2107YC	C	Yellow	Water Clear	588	3	8	2.1	120°	.21	.17	.15	.11	
604-APJA2107SYC	APJA2107SYC	C	Yellow	Water Clear	588	40	60	2	120°	.41	.33	.28	.21	
604-APJA2107SGC	APJA2107SGC	C	Green	Water Clear	568	3	10	2.2	120°	.21	.17	.15	.11	
604-APJA2107PGC	APJA2107PGC	C	Green	Water Clear	555	2	5	2.3	120°	.21	.17	.15	.11	

0805 LEDs

- Forward current: 20mA

604-APHCM2012SURCK	APHCM201SURCK-F01	D	Red	Water Clear	650	50	150	1.95	110°	.14	.11	.09	.07	CALL FOR QUOTE
604-APT2012SRCPRV	APT2012SRCPRV	D	Red	Water Clear	640	20	80	1.9	120°	.21	.17	.14	.11	
604-APT2012SURCK	APT2012SURCK	D	Red	Water Clear	630	50	100	1.9	120°	.25	.20	.17	.12	
604-APT2012SURC	APT2012SURC	D	Red	Water Clear	628	70	150	1.9	120°	.32	.25	.22	.16	
604-APT2012EC	APT2012EC	D	Red	Water Clear	625	5	12	2	120°	.13	.11	.09	.06	
604-APT2012SEW/E	APT2012SEW/E	D	Red	White Diffused	621	40	200	2	120°	.41	.33	.28	.21	
604-APT2012NW	APT2012NW	D	Orange	White Diffused	610	5	12	2.1	120°	.14	.11	.10	.07	
604-APHCM2012SECK	APHCM2012SECK-F01	D	Orange	Water Clear	610	50	160	2.1	110°	.14	.11	.09	.07	
604-APT2012SECK	APT2012SECK	D	Orange	Water Clear	601	40	160	2.1	120°	.34	.27	.24	.18	
604-APT2012SEC	APT2012SEC	D	Orange	Water Clear	601	40	200	2	120°	.32	.25	.22	.16	
604-APT2012SYCK	APT2012SYCK	D	Yellow	Water Clear	590	30	50	2	120°	.25	.20	.17	.12	
604-APHCM2012SYCK	APHCM2012SYCK-F01	D	Yellow	Water Clear	590	36	120	2	110°	.14	.11	.09	.07	
604-APT2012YC	APT2012YC	D	Yellow	Water Clear	588	2	8	2.1	120°	.19	.16	.13	.10	
604-APT2012PYW	APT2012PYW	D	Yellow	White Diffused	585	3	8	2.1	120°	.14	.11	.10	.07	
604-APHCM2012CGCK	APHCM2012CGCK-F01	D	Green	Water Clear	574	10	50	2.1	110°	.14	.11	.09	.07	
604-APT2012SGC	APT2012SGC	D	Green	Water Clear	568	3	12	2.2	120°	.19	.15	.13	.10	
604-APT2012QGW	APT2012QGW	D	Green	White Diffused	565	3	12	2.2	120°	.13	.11	.09	.06	
604-APT2012PGW	APT2012PGW	D	Green	White Diffused	555	2	5	2.3	120°	.13	.11	.09	.06	
604-APHCM2012PBC	APHCM2012PBC/A	D	Blue	Water Clear	468	36	80	3.3	110°	.52	.42	.37	.35	

1104 LEDs

- Forward current: 20mA

604-APA3010SRCPRV	APA3010SRCPRV	E	Red	Water Clear	640	20	60	1.9	120°	.23	.18	.16	.11	CALL FOR QUOTE
604-APA3010SURCK	APA3010SURCK	E	Red	Water Clear	630	50	100	1.9	120°	.30	.24	.20	.15	
604-APA3010EC	APA3010EC	E	Red	Water Clear	625	5	12	2	120°	.21	.17	.15	.11	
604-APA3010SEW/E	APA3010SEW/E	E	Red	White Diffused	621	80	200	2	120°	.50	.40	.34	.25	
604-APA3010SECK	APA3010SECK	E	Orange	Water Clear	601	80	200	2.1	120°	.30	.24	.20	.15	
604-APA3010SEC	APA3010SEC	E	Orange	Water Clear	601	50	300	2	120°	.41	.33	.28	.21	
604-APA3010SYCK	APA3010SYCK	E	Yellow	Water Clear	590	18	50	2	120°	.30	.24	.20	.15	
604-APA3010YC	APA3010YC	E	Yellow	Water Clear	588	3	5	2.1	120°	.21	.17	.15	.11	
604-APA3010SYC	APA3010SYC	E	Yellow	Water Clear	588	40	60	2	120°	.41	.33	.28	.21	
604-APA3010QGC	APA3010QGC	E	Green	Water Clear	565	3	12	2.2	120°	.21	.17	.15	.11	
604-APA3010PGC	APA3010PGC	E	Green	Water Clear	555	2	5	2.3	120°	.21	.17	.15	.14	

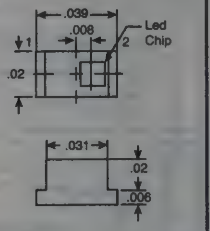
1106 LEDs

- Forward current: 20mA

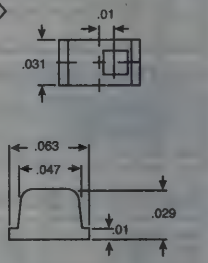
604-APL3015SRCPRV	APL3015SRCPRV	F	Red	Water Clear	640	40	80	1.9	70°	.18	.15	.12	.09	CALL FOR QUOTE
604-APL3015SURCK	APL3015SURCK	F	Red	Water Clear	630	80	150	1.9	70°	.25	.20	.17	.12	
604-APL3015SURC	APL3015SURC	F	Red	Water Clear	628	100	250	1.9	70°	.34	.27	.23	.17	
604-APL3015EC	APL3015EC	F	Red	Water Clear	625	5	20	2	70°	.16	.13	.11	.08	
604-APL3015SEC	APL3015SEC	F	Orange	Water Clear	601	200	500	2	70°	.34	.27	.23	.17	
604-APL3015SYCK	APL3015SYCK	F	Yellow	Water Clear	590	40	100	2	70°	.25	.20	.17	.12	
604-APL3015YC	APL3015YC	F	Yellow	Water Clear	588	3	10	2.1	70°	.17	.13	.11	.08	
604-APL3015SYC	APL3015SYC	F	Yellow	Water Clear	588	40	150	2	70°	.34	.27	.23	.17	
604-APL3015PYC	APL3015PYC	F	Yellow	Water Clear	585	3	10	2.1	70°	.17	.13	.11	.08	
604-APL3015QYC	APL3015QYC	F	Yellow	Water Clear	568	5	20	2.2	70°	.16	.13	.11	.08	
604-APL3015SGC	APL3015SGC	F	Green	Water Clear	568	5	20	2.2	70°	.16	.13	.11	.08	
604-APL3015QGC	APL3015QGC	F	Green	Water Clear	565	4	20	2.2	70°	.16	.13	.11	.08	
604-APL3015PGC	APL3015PGC	F	Green	Water Clear	555	2	5	2.3	70°	.16	.13	.11	.08	

DIMENSIONS: in.

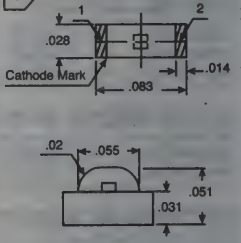
A



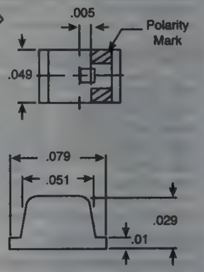
B



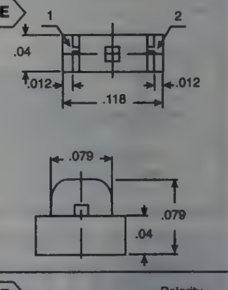
C



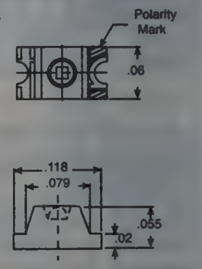
D



E



F



KINGBRIGHT SMD LED Lamps

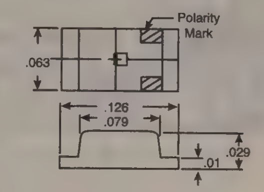
Products may be RoHS compliant.
Check mouser.com for RoHS status.

SURFACE MOUNT LED LAMPS (CONT.)

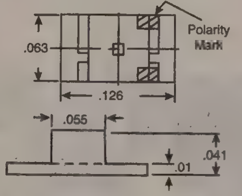
MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Color		Peak Wave-length (nm)	Luminous Intensity (mcd)		Typ. Forward Voltage (V)	Viewing Angle	Price Each				
		LED	Lens		Min.	Typ.			1	100	500	1000	2000+
1206													
604-APT3216SRCPRV	A	Red	Water Clear	640	20	70	1.9	120°	.18	.14	.12	.09	Call for Quote
604-APT3216SURCK	A	Red	Water Clear	630	50	150	1.9	120°	.27	.21	.18	.14	
604-APT3216SURC	A	Red	Water Clear	628	70	180	1.9	120°	.34	.27	.23	.17	
604-APT3216EC	A	Red	Water Clear	625	5	12	2	120°	.16	.13	.11	.08	
604-APT3216SECK	A	Orange	Water Clear	601	40	160	2.1	120°	.27	.21	.18	.14	
604-APT3216SEC	A	Orange	Water Clear	601	40	200	2	120°	.34	.27	.23	.17	
604-APT3216SYCK	A	Yellow	Water Clear	590	30	50	2	120°	.27	.21	.18	.14	
604-APT3216YC	A	Yellow	Water Clear	588	1.6	8	2.1	120°	.17	.14	.12	.09	
604-APT3216SYC	A	Yellow	Water Clear	588	40	80	2	120°	.34	.27	.23	.17	
604-APT3216SGC	A	Green	Water Clear	568	3	12	2.2	120°	.16	.13	.11	.08	
1206 Reverse Mount													
604-APTR3216SRCPRV	B	Red	Water Clear	640	20	70	1.9	120°	.18	.14	.12	.09	Call for Quote
604-APTR3216SURCK	B	Red	Water Clear	630	50	15	1.9	120°	.27	.21	.18	.14	
604-APTR3216SURC	B	Red	Water Clear	628	70	180	1.9	120°	.34	.27	.23	.17	
604-APTR3216EC	B	Red	Water Clear	625	5	12	2	120°	.16	.13	.11	.08	
604-APTR3216NW	B	Orange	White Diff.	610	5	12	2.1	120°	.17	.14	.12	.09	
604-APTR3216SECK	B	Orange	Water Clear	601	40	160	2.1	120°	.27	.21	.18	.14	
604-APTR3216SEC	B	Orange	Water Clear	601	40	200	2	120°	.34	.27	.23	.17	
604-APTR3216SYCK	B	Yellow	Water Clear	590	30	50	2	120°	.27	.21	.18	.14	
604-APTR3216YC	B	Yellow	Water Clear	588	1.6	8	2.1	120°	.17	.14	.12	.09	
604-APTR3216SYC	B	Yellow	Water Clear	588	40	80	2	120°	.34	.27	.23	.17	
604-APTR3216PYW	B	Yellow	White Diff.	585	3	8	2.1	120°	.17	.14	.12	.09	
604-APTR3216SGC	B	Green	Water Clear	568	3	12	2.2	120°	.16	.13	.11	.08	
604-APTR3216PGW	B	Green	White Diff.	555	2	5	2.3	120°	.16	.13	.11	.08	
1208													
604-APK3020SURCK	C	Red	Water Clear	630	70	200	1.9	120°	.31	.25	.21	.16	Call for Quote
604-APK3020SURC	C	Red	Water Clear	628	80	200	1.9	120°	.54	.43	.37	.28	
604-APK3020EC	C	Red	Water Clear	625	8	30	2	120°	.22	.18	.15	.11	
604-APK3020NC	C	Orange	Water Clear	610	8	30	2.1	120°	.23	.18	.16	.12	
604-APK3020SYC	C	Yellow	Water Clear	588	30	100	2	120°	.54	.43	.37	.28	
604-APK3020SGC	C	Green	Water Clear	568	8	30	2.2	120°	.22	.18	.15	.11	
PLCC-2													
604-AA3528SRC	D	Red	Water Clear	640	50	150	1.9	120°	.31	.26	.22	.18	Call for Quote
604-AA3528SURCK	D	Red	Water Clear	630	80	200	1.9	120°	.38	.30	.26	.19	
604-AA3528SURC	D	Red	Water Clear	628	80	250	1.9	120°	.45	.36	.31	.23	
604-AA3528SEC	D	Orange	Water Clear	601	200	350	2	120°	.45	.36	.31	.23	
604-AA3528SYC	D	Yellow	Water Clear	588	40	120	2	120°	.45	.36	.31	.23	
604-AA3528SGC	D	Green	Water Clear	568	7	20	2.2	120°	.29	.23	.20	.15	
604-AA3528SGT	D	Green	Water Clear	568	12	30	2.2	120°	.29	.23	.20	.15	
Right Angle													
604-AA4040SRC	E	Red	Water Clear	640	39	83	1.9	90°	.42	.34	.29	.22	Call for Quote
604-AA4040SURC	E	Red	Water Clear	628	82	168	1.9	90°	.61	.49	.42	.31	
604-AA4040YC	E	Yellow	Water Clear	588	4	9	2.1	90°	.40	.32	.28	.21	
604-AA4040SYC	E	Yellow	Water Clear	588	98	200	2	90°	.61	.49	.42	.31	
604-AA4040SGC	E	Green	Water Clear	568	10	25	2.2	90°	.40	.32	.28	.21	
604-AA4040PGC	E	Green	Water Clear	555	1.6	6	2.3	90°	.40	.32	.28	.21	
SOT-23													
604-AM23SRC-F	F	Red	Water Clear	640	40	70	1.9	140°	.29	.23	.20	.15	Call for Quote
604-AM23SRD-F	F	Red	Red Diff.	640	40	70	1.9	140°	.29	.23	.20	.15	
604-AM23EC-F	F	Red	Water Clear	625	4	15	2	140°	.28	.22	.19	.14	
604-AM23ID-F	F	Red	Red Diff.	625	4	15	2	140°	.28	.22	.19	.14	
604-AM23YC-F	F	Yellow	Water Clear	588	2	5	2.1	140°	.28	.22	.19	.14	
604-AM23YD-F	F	Yellow	Yellow Diff.	588	2	5	2.1	140°	.28	.22	.19	.14	
604-AM23SYC-F	F	Yellow	Water Clear	588	40	80	2	140°	.40	.32	.28	.21	
604-AM23SYD-F	F	Yellow	Yellow Diff.	588	40	80	2	140°	.40	.32	.28	.21	
604-AM23SGD-F	F	Green	Green Diff.	568	3	8	2.2	140°	.46	.19	.16	.15	
604-AM23SGC-F	F	Green	Water Clear	568	5	12	2.2	140°	.46	.19	.16	.15	
Gull Wing Leads													
604-AM2520SRC03	G	Red	Water Clear	640	120	600	1.9	20°	.27	.21	.18	.14	Call for Quote
604-AM2520SURCK03	G	Red	Water Clear	630	200	700	1.9	20°	.31	.25	.21	.16	
604-AM2520SURC03	G	Red	Water Clear	628	300	700	1.9	20°	.40	.32	.28	.21	
604-AM2520ID03	G	Red	Red Diff.	625	8	30	2	40°	.23	.19	.16	.12	
604-AM2520EC03	G	Red	Water Clear	625	12	70	2	20°	.23	.19	.16	.12	
604-AM2520SECK03	G	Orange	Water Clear	601	180	700	2.1	20°	.31	.25	.21	.16	
604-AM2520SEC03	G	Orange	Water Clear	601	500	1300	2	20°	.40	.32	.28	.21	
604-AM2520SYCK03	G	Yellow	Water Clear	590	70	300	2	20°	.31	.25	.21	.16	
604-AM2520YC03	G	Yellow	Water Clear	588	10	30	2.1	20°	.23	.19	.16	.12	
604-AM2520SYC03	G	Yellow	Water Clear	588	110	500	2	20°	.40	.32	.28	.21	
604-AM2520SGC03	G	Green	Water Clear	568	40	100	2.2	20°	.23	.19	.16	.12	

DIMENSIONS: IN.

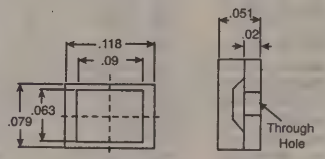
A



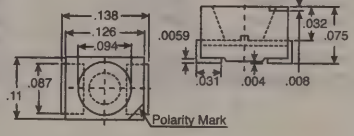
B



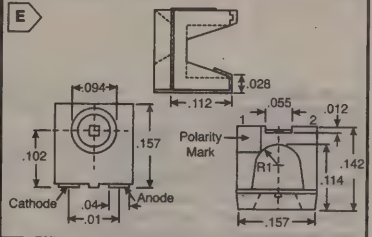
C



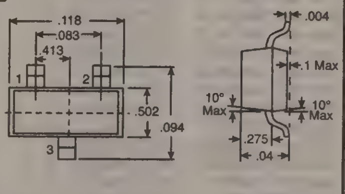
D



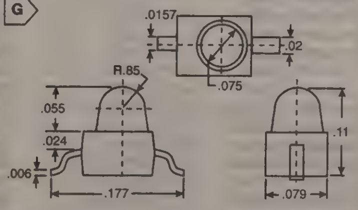
E



F



G



KINGBRIGHT LED Lamps

Kingbright

RoHS Compliant This page of product is compliant.

LED LAMPS

Pin Point .08" (2mm)

• Forward current: 10mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP23HD	WP23HD	A	Red	Red Diff.	700	0.5	0.8	2	60°	.21	.17	.14	.11
604-WP23YD	WP23YD	A	Yellow	Yellow Diff.	590	1.8	5	2.1	60°	.23	.18	.16	.12
604-WP23GD	WP23GD	A	Green	Green Diff.	565	1.25	3.2	2.25	60°	.21	.17	.14	.11

Standard T-1 (3mm)

• Forward current: 10mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP132XID	WP132XID	B	Hi-Eff. Red	Red Diff.	625	8	25	2	60°	.12	.10	.08	.07
604-WP132XIT	WP132XIT	B	Hi-Eff. Red	Red Trans.	625	20	60	2	50°	.12	.10	.08	.07
604-WP132XND	WP132XND	B	Orange	Orange Diff.	610	8	30	2.1	60°	.12	.10	.09	.08
604-WP132XNC	WP132XNC	B	Orange	Water Clear	610	20	50	2.1	50°	.12	.10	.09	.06
604-WP132XYD	WP132XYD	B	Yellow	Yellow Diff.	588	5	15	2.1	60°	.12	.10	.09	.08
604-WP132XYT	WP132XYT	B	Yellow	Yellow Trans.	588	8	20	2.1	50°	.12	.10	.09	.08
604-WP132XYC	WP132XYC	B	Yellow	Water Clear	588	8	20	2.1	50°	.12	.10	.09	.06
604-WP132XGD	WP132XGD	B	Green	Green Diff.	568	8	15	2.2	60°	.11	.09	.08	.06
604-WP132XPGD	WP132XPGD	B	Green	Green Diff.	555	2	5	2.3	60°	.14	.11	.09	.07
604-WP132XPGC	WP132XPGC	B	Green	Water Clear	555	20	40	2.3	50°	.14	.11	.09	.07
604-WP7104HD	WP7104HD	C	Red	Red Diff.	700	1.3	5	2	60°	.16	.13	.11	.08
604-WP7104ED	WP7104ED	C	Red	Orange Diff.	625	8	20	2	40°	.12	.10	.08	.06
604-WP7104ID	WP7104ID	C	Hi-Eff. Red	Red Diff.	625	8	20	2	40°	.12	.10	.08	.06
604-WP7104EC	WP7104EC	C	Hi-Eff. Red	Water Clear	625	20	60	2	34°	.12	.10	.08	.06
604-WP7104IT	WP7104IT	C	Hi-Eff. Red	Red Trans.	625	32	125	2	34°	.16	.13	.11	.08
604-WP7104ND	WP7104ND	C	Orange	Orange Diff.	610	8	30	2.1	40°	.12	.10	.09	.06
604-WP7104NC	WP7104NC	C	Orange	Water Clear	610	20	50	2.1	34°	.12	.10	.09	.06
604-WP7104YT	WP7104YT	C	Yellow	Yellow Trans.	590	10	50	2.1	34°	.18	.15	.12	.09
604-WP7104YC	WP7104YC	C	Yellow	Water Clear	588	8	20	2.1	34°	.12	.10	.09	.06
604-WP7104GC	WP7104GC	C	Green	Water Clear	568	20	60	2.2	34°	.12	.09	.08	.06
604-WP7104GT	WP7104GT	C	Green	Green Trans.	565	20	80	2.2	34°	.16	.13	.11	.08
604-WP7104PGD	WP7104PGD	C	Green	Green Diff.	555	2	5	2.3	40°	.14	.11	.09	.07
604-WP7104PGC	WP7104PGC	C	Green	Water Clear	555	3	15	2.3	34°	.14	.11	.09	.07
604-WP7104MBD	WP7104MBD	C	Blue	Blue Diffused	430	12.5	40	3.8	60°	2.52	2.27	2.14	1.97

Super Bright T-1 (3mm)

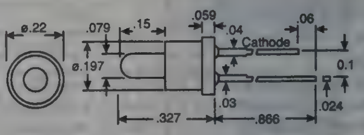
• Forward current: 20mA

For quantities of 2000 and up, call for quote.

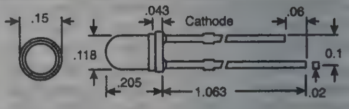
MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP7104SRD/E	WP7104SRD/E	C	Red	Red Diff.	660	200	300	1.85	40°	.20	.16	.14	.10
604-WP7104SRD/D	WP7104SRD/D	C	Red	Red Diff.	640	100	150	1.9	40°	.18	.15	.12	.09
604-WP7104SRD/F	WP7104SRD/F	C	Red	Red Diff.	640	300	350	1.9	40°	.23	.18	.16	.11
604-WP7104SRD/G	WP7104SRD/G	C	Red	Red Diff.	640	400	500	1.9	40°	.46	.36	.31	.23
604-WP7104SRC/D	WP7104SRC/D	C	Red	Water Clear	640	500	600	1.9	34°	.23	.18	.16	.12
604-WP7104SRC/E	WP7104SRC/E	C	Red	Water Clear	640	700	900	1.9	34°	.20	.16	.14	.10
604-WP7104SRD/H	WP7104SRD/H	C	Red	Red Diff.	640	600	900	1.9	40°	.50	.40	.34	.25
604-WP7104SRC/F	WP7104SRC/F	C	Red	Water Clear	640	1000	1200	1.85	34°	.45	.36	.31	.23
604-WP7104SRD/J	WP7104SRD/J	C	Red	Red Diff.	640	1000	1200	1.9	40°	.55	.44	.37	.28
604-WP7104SRC/G	WP7104SRC/G	C	Red	Water Clear	640	1200	1300	1.9	34°	.50	.40	.34	.25
604-WP7104SRC/H	WP7104SRC/H	C	Red	Water Clear	640	1400	1700	1.9	34°	.55	.44	.37	.28
604-WP7104SRC/J	WP7104SRC/J	C	Red	Water Clear	640	1800	2300	1.9	34°	.59	.47	.41	.30
604-WP7104SEC/J	WP7104SEC/J	C	Red	Water Clear	640	3300	7000	2.2	34°	.73	.58	.50	.37
604-WP7104SURC/E	WP7104SURC/E	C	Red	Wtr Clear	630	1000	1300	1.9	34°	.45	.36	.31	.23
604-WP7104SEC/E	WP7104SEC/E	C	Red	Water Clear	621	1000	1000	2	34°	.45	.36	.31	.23
604-WP7104SED	WP7104SED	C	Red	Orange Diff.	601	300	800	2	40°	.32	.25	.22	.16
604-WP7104SEC	WP7104SEC	C	Red	Water Clear	601	500	1300	2	34°	.32	.25	.22	.16
604-WP7104SET	WP7104SET	C	Red	Orange Trans.	601	500	1300	2	34°	.32	.25	.22	.16
604-WP7104SYD	WP7104SYD	C	Yellow	Yellow Diff.	588	100	250	2	40°	.32	.25	.22	.16
604-WP7104SYC	WP7104SYC	C	Yellow	Wtr Clear	588	300	700	2	34°	.32	.25	.22	.16
604-WP7104SGD	WP7104SGD	C	Green	Green Diff.	568	20	40	2.2	40°	.13	.10	.09	.06
604-WP7104SGC	WP7104SGC	C	Green	Water Clear	568	80	150	2.2	34°	.13	.10	.09	.07
604-WP7104MGC	WP7104MGC	C	Green	Water Clear	568	200	700	2.1	34°	.75	.60	.51	.38
604-WP7104VGC/H	WP7104VGC/H	C	Green	Water Clear	520	6700	11000	3.7	34°	2.79	2.23	1.91	1.43
604-WP7104QBC/D	WP7104QBC/D	C	Blue	Water Clear	480	650	1500	3.5	25°	1.86	1.48	1.27	.95
604-WP7104PBC	WP7104PBC	C	Blue	Water Clear	468	110	350	3.7	20°	2.37	1.89	1.62	1.21
604-WP7104PBC/H	WP7104PBC/H	C	Blue	Water Clear	467	1200	3600	3.7	20°	2.73	2.18	1.87	1.40
604-WP7104MBC	WP7104MBC	C	Blue	Water Clear	430	20	90	3.8	20°	2.52	2.27	2.14	1.97
604-WP7104RWC/A	WP7104RWC/A	C	White	Water Clear	6500K	280	1200	3.3	34°	.98	.78	.68	.59
604-WP7104RWC/J	WP7104RWC/J	C	White	Water Clear	6500K	2200	4500	3.2	34°	2.15	1.72	1.51	1.29

DIMENSIONS: in.

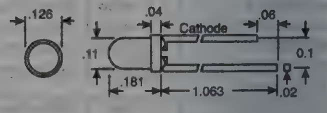
A



B



C



KINGBRIGHT LED Lamps

RoHS Compliant **This page of product is compliant.**

LED LAMPS (CONT.)

Blinking T-1 (3mm)

- Forward current: 38-56mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP36BHD	WP36BHD	A	Red	Red Diff.	700	1.3	3.2	3.5	60°	.88	.71	.60	.45
604-WP36BYD	WP36BYD	A	Yellow	Yellow Diff.	590	5	32	3.5	60°	.88	.71	.60	.45
604-WP36BGD	WP36BGD	A	Green	Green Diff.	565	5	32	3.5	60°	.88	.71	.60	.45

Dual Color T-1 (3mm)

- Forward current: 20mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP937EGW	WP937EGW	B	Red/Green	White Diffused	625/565	8/8	20/20	2.0/2.2	60°	.34	.34	.24	.18
604-WP937GYW	WP937GYW	B	Grn/Yellow	White Diffused	565/590	8/5	20/10	2.2/2.1	60°	.36	.29	.25	.19
604-WP93WEGC	WP93WEGC	C	Red/Green	Water Clear	625/565	40/20	160/80	2.0/2.2	24°	.55	.55	.37	.28
604-WP93WEGW	WP93WEGW	C	Red/Green	White Diffused	625/565	20/20	50/50	2.0/2.2	60°	.50	.50	.34	.26
604-WP469EGW	WP469EGW	D	Red/Green	White Diffused	625/565	5	20	2.0/2.2	60°	.46	.36	.36	.23

Standard T-1 3/4 (5mm)

- Forward current: 10mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP63ID	WP63ID	E	Hi-Eff. Red	Red Diff.	625	12	20	2	60°	.14	.11	.10	.07
604-WP63YD	WP63YD	E	Yellow	Yellow Diff.	588	5	10	2.1	60°	.14	.11	.10	.07
604-WP63GD	WP63GD	E	Green	Green Diff.	568	5	12	2.2	60°	.14	.11	.10	.07
604-WP1503ID	WP1503ID	F	Hi-Eff. Red	Red Diff.	625	8	30	2	60°	.12	.09	.08	.06
604-WP1503EC	WP1503EC	F	Red	Water Clear	625	30	80	2	30°	.12	.09	.08	.06
604-WP1503YD	WP1503YD	F	Yellow	Yellow Diff.	588	5	20	2.1	60°	.13	.10	.09	.06
604-WP1503YC	WP1503YC	F	Yellow	Water Clear	588	20	40	2.1	30°	.13	.10	.09	.06
604-WP1503GD	WP1503GD	F	Green	Green Diff.	568	5	20	2.2	60°	.12	.09	.08	.06
604-WP1503GC	WP1503GC	F	Green	Water Clear	568	20	60	2.2	30°	.12	.09	.08	.06
604-WP7113HD	WP7113HD	G	Red	Red Diff.	700	2	5	2	60°	.16	.13	.11	.08
604-WP7113ID	WP7113ID	G	Hi-Eff. Red	Red Diff.	627	8	45	2	30°	.12	.10	.09	.06
604-WP7113EC	WP7113EC	G	Hi-Eff. Red	Water Clear	625	30	80	2	20°	.12	.10	.09	.06
604-WP7113IT	WP7113IT	G	Hi-Eff. Red	Red Trans.	625	50	200	2	20°	.14	.11	.09	.07
604-WP7113ED	WP7113ED	G	Orange	Orange Diff.	627	8	25	2	30°	.12	.10	.09	.06
604-WP7113ND	WP7113ND	G	Orange	Orange Diff.	610	12	30	2.1	30°	.13	.10	.09	.06
604-WP7113NC	WP7113NC	G	Orange	Water Clear	610	50	80	2.1	20°	.13	.10	.09	.06
604-WP7113YT	WP7113YT	G	Yellow	Yellow Trans.	590	20	80	2.1	20°	.17	.14	.12	.09
604-WP7113YD	WP7113YD	G	Yellow	Yellow Diff.	588	5	20	2.1	30°	.13	.10	.09	.06
604-WP7113YC	WP7113YC	G	Yellow	Water Clear	588	20	40	2.1	20°	.13	.10	.09	.06
604-WP7113GD	WP7113GD	G	Green	Green Diff.	568	5	20	2.2	30°	.12	.10	.09	.06
604-WP7113GC	WP7113GC	G	Green	Water Clear	568	20	60	2.2	20°	.12	.10	.09	.06
604-WP7113GT	WP7113GT	G	Green	Green Trans.	565	20	80	2.2	20°	.15	.12	.10	.08
604-WP7113PGD	WP7113PGD	G	Green	Green Diff.	555	2	5	2.3	30°	.13	.11	.09	.06
604-WP7113PGC	WP7113PGC	G	Green	Water Clear	555	5	10	2.3	20°	.13	.11	.09	.06

Super Bright T-1 3/4 (5mm)

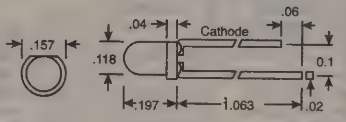
- Forward current: 20mA

For quantities of 2000 and up, call for quote.

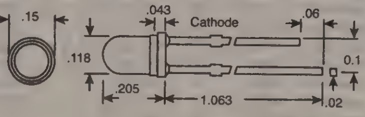
MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP7113SRD/D	WP7113SRD/D	G	Red	Red Diff.	640	200	250	1.9	30°	.18	.15	.12	.09
604-WP7113SRD/E	WP7113SRD/E	G	Red	Red Diff.	640	300	400	1.9	30°	.23	.18	.16	.14
604-WP7113SRD/F	WP7113SRD/F	G	Red	Red Diff.	640	500	600	1.9	30°	.45	.36	.31	.23
604-WP1543SRC/C	WP1543SRC/C	G	Red	Water Clear	640	400	600	1.9	50°	.18	.15	.12	.09
604-WP7113SRD/G	WP7113SRD/G	G	Red	Red Diff.	640	700	900	1.9	30°	.50	.40	.34	.25
604-WP1543SRC/D	WP1543SRC/D	G	Red	Water Clear	640	700	900	1.9	50°	.45	.36	.31	.23
604-WP7113SRC/DU	WP7113SRC/DU	G	Red	Water Clear	640	1000	1200	1.9	20°	.18	.15	.12	.09
604-WP7113SRC/DV	WP7113SRC/DV	G	Red	Water Clear	640	1300	1500	1.9	20°	.20	.16	.14	.10
604-WP7113SRD/H	WP7113SRD/H	G	Red	Red Diff.	640	1000	1500	1.9	30°	.55	.44	.37	.28
604-WP7113SRC/DW	WP7113SRC/DW	G	Red	Water Clear	640	1600	1800	1.9	20°	.23	.18	.16	.11
604-WP1543SRC/E	WP1543SRC/E	G	Red	Water Clear	640	1000	2000	1.9	50°	.50	.40	.34	.35
604-WP7113SRC/E	WP7113SRC/E	G	Red	Water Clear	640	2000	2800	1.9	20°	.45	.36	.31	.23
604-WP7113SRC/F	WP7113SRC/F	G	Red	Water Clear	640	3500	4000	1.9	20°	.50	.40	.34	.25
604-WP1543SURC/E	WP1543SURC/E	G	Red	Water Clear	630	700	1300	1.9	50°	.45	.36	.31	.23
604-WP7113SURC/E	WP7113SURC/E	G	Red	Water Clear	630	1600	2200	1.9	20°	.45	.36	.31	.23
604-WP7143SEC/H	WP7143SEC/H	G	Hyper Orange	Water Clear	630	4700	6500	2.4	30°	.82	.66	.56	.42
604-WP7113SEC/H	WP7113SEC/H	G	Hyper Orange	Water Clear	630	7000	10000	2.4	20°	.82	.66	.56	.52
604-WP1543SURC	WP1543SURC	G	Red	Water Clear	628	400	700	1.9	50°	.32	.25	.22	.16
604-WP7113SURC	WP7113SURC	G	Red	Water Clear	628	1300	1800	1.9	20°	.32	.25	.22	.16
604-WP7113SEC/E	WP7113SEC/E	G	Red	Water Clear	621	1600	5000	2	20°	.45	.36	.31	.23
604-WP7113SED	WP7113SED	G	Red	Orange Diff.	601	400	800	2	30°	.32	.25	.22	.16
604-WP7113SEC	WP7113SEC	G	Red	Water Clear	601	700	2500	2	20°	.31	.25	.21	.16

DIMENSIONS: In.

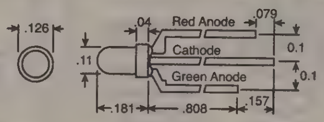
A



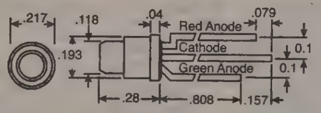
B



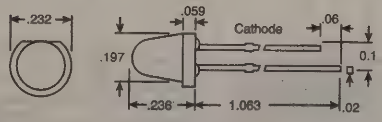
C



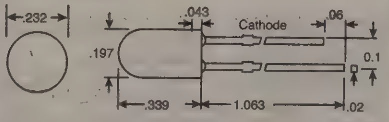
D



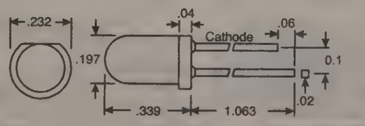
E



F



G



KINGBRIGHT LED Lamps

RoHS Compliant **This page of product is compliant.**

Kingbright
An ISO 9002 & QS 9000 Company

LED LAMPS (CONT.)

Super Bright T-1 3/4 (5mm) (cont.)

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP7143SYC/H	WP7143SYC/H	A	Yellow	Water Clear	590	650	1500	2.3	30°	.82	.66	.56	.42
604-WP7113SYC/H	WP7113SYC/H	A	Yellow	Water Clear	590	1500	2800	2.2	20°	.82	.66	.56	.42
604-WP7113SYD	WP7113SYD	A	Yellow	Yellow Diff.	588	100	400	2	30°	.32	.25	.22	.16
604-WP7113SYC	WP7113SYC	A	Yellow	Water Clear	588	400	1200	2	20°	.32	.25	.22	.16
604-WP7113SGD	WP7113SGD	A	Green	Green Diff.	568	20	40	2.2	30°	.13	.10	.09	.06
604-WP1543SGC	WP1543SGC	A	Green	Water Clear	568	70	150	2.2	50°	.12	.10	.08	.06
604-WP7113SGC	WP7113SGC	A	Green	Water Clear	568	70	200	2.2	20°	.13	.10	.09	.07
604-WP7113MGC	WP7113MGC	A	Green	Water Clear	568	480	1000	2.1	20°	.73	.58	.50	.37
604-WP7143VGC/H	WP7143VGC/H	A	Green	Water Clear	520	4700	10000	3.7	30°	2.87	2.29	1.99	1.47
604-WP7113VGC/H	WP7113VGC/H	A	Green	Water Clear	520	8000	18000	3.7	20°	2.87	2.29	1.97	1.47
604-WP7113PBC	WP7113PBC	A	Blue	Water Clear	468	300	1000	3.7	16°	2.28	1.82	1.56	1.17
604-WP7113QBC/D	WP7113QBC/D	A	Blue	Water Clear	468	1200	2200	3.5	20°	1.73	1.38	1.19	.88
604-WP7113PBC/H	WP7113PBC/H	A	Blue	Water Clear	467	2200	3600	3.7	16°	2.73	2.18	1.87	1.40
604-WP7143PBC/Z	WP7143PBC/Z	A	Blue	Water Clear	458	1500	3000	3.2	30°	1.74	1.36	1.18	.89
604-WP7113MBD	WP7113MBD	A	Blue	Blue Diff.	430	20	50	3.8	50°	2.52	2.27	2.14	1.97
604-WP7113MBC	WP7113MBC	A	Blue	Water Clear	430	60	150	3.8	16°	2.52	2.27	2.14	1.97
604-WP7114RWC/A	WP7114RWC/A	A	White	Water Clear	6500K	480	1200	3.3	20°	.98	.78	.68	.59
604-WP7114RWC/Z	WP7114RWC/Z	A	White	Water Clear	6500K	4700	9500	3.2	20°	2.15	1.72	1.51	1.29

Blinking T-1 3/4 (5mm)

• Forward current: 38-56mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP56BHD	WP56BHD	A	Red	Red Diff.	700	2	8	3.5	60°	.83	.67	.57	.43
604-WP56BSRD/B	WP56BSRD/B	A	Red	Red Diff.	660	100	300	3.5	60°	.98	.78	.67	.47
604-WP56BYD	WP56BYD	A	Yellow	Yellow Diff.	590	5	32	3.5	60°	.83	.67	.57	.43
604-WP56BGD	WP56BGD	A	Green	Green Diff.	565	5	32	3.5	60°	.83	.67	.57	.43

Dual Color T-1 3/4 (5mm)

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP57EGW	WP57EGW	A	Red/Green	White Diffused	625/565	20/15	50/40	2.0/2.2	60°	.47	.40	.32	.25
604-WP57GYW	WP57GYW	A	Grn/Yellow	White Diffused	565/590	12.5/5	40/20	2.2/2.1	60°	.46	.36	.31	.23
604-WP59EGW	WP59EGW	B	Red/Green	White Diffused	625/565	20/20	90/70	2.0/2.2	60°	.34	.27	.24	.18
604-WP59SURKSGC	WP59SURKSGC	B	Red/Green	Water Clear	640/565	900/70	1600/200	1.95/2.2	24°	.53	.42	.36	.29
604-WP59GYW	WP59GYW	B	Grn/Yellow	White Diffused	565/590	20/20	70/60	2.2/2.1	60°	.39	.31	.27	.20

8mm LEDs

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP793ID	WP793ID	C	Hi-Eff. Red	Red Diffused	625	20	100	2	60°	.30	.30	.24	.15
604-WP793YD	WP793YD	C	Yellow	Yellow Diffused	590	20	70	2.1	60°	.30	.30	.24	.15
604-WP793GD	WP793GD	C	Green	Green Diffused	565	20	70	2.2	60°	.30	.30	.24	.15

Super Bright 10mm LEDs

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP813SRC/C	WP813SRC/C	D	Red	Water Clear	660	1000	1600	1.85	40°	.46	.36	.31	.23
604-WP813SRC/E	WP813SRC/E	D	Red	Water Clear	660	2000	3000	1.85	40°	.84	.67	.58	.43
604-WP813MBC	WP813MBC	D	Blue	Water Clear	430	55	150	3.8	40°	1.89	1.69	1.59	1.49
604-WP814RWC/A	WP814RWC/A	D	White	Water Clear	6500K	900	1800	3.3	15°	2.28	1.82	1.59	1.37

Cylindrical LEDs

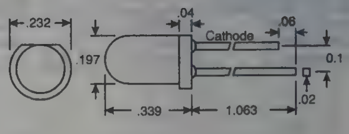
• Forward current: 10mA

For quantities of 2000 and up, call for quote.

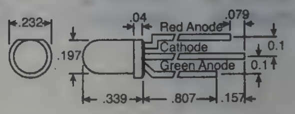
MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		For-ward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP483IDT	WP483IDT	E	Hi-Eff. Red	Red Diffused	625	3.2	12.5	2	100°	.21	.17	.14	.11
604-WP483YDT	WP483YDT	E	Yellow	Yellow Diffused	590	1.3	8	2.1	100°	.21	.17	.14	.11
604-WP483GDT	WP483GDT	E	Green	Green Diffused	565	1.3	8	2.2	100°	.18	.15	.12	.09

DIMENSIONS: in.

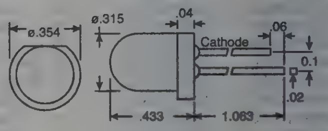
A



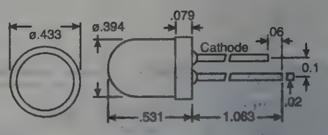
B



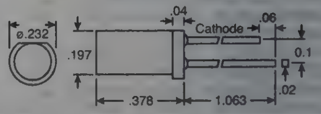
C



D



E

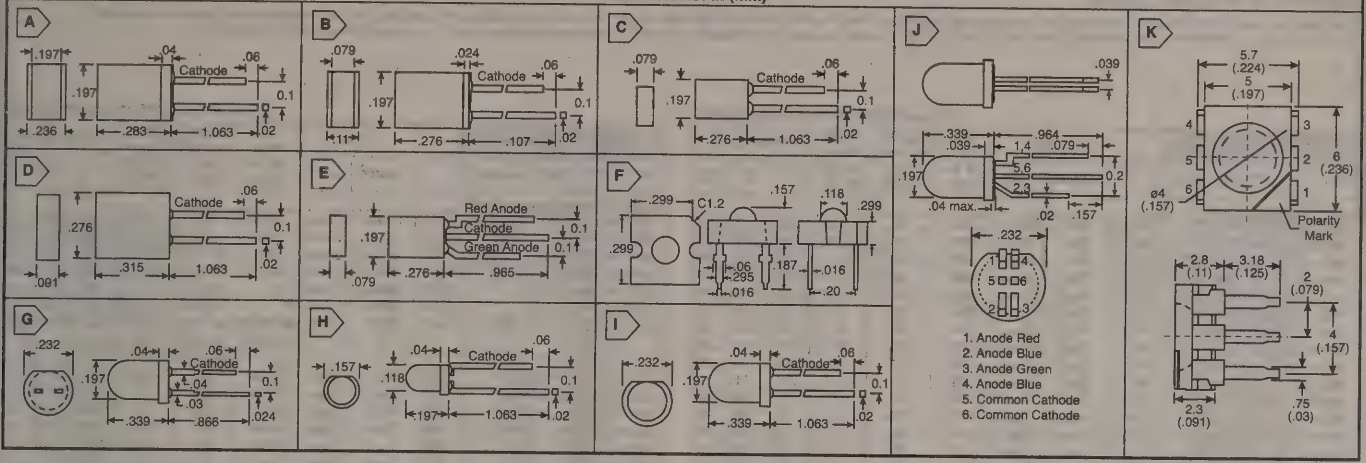


KINGBRIGHT LED Lamps

Kingbright

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: in (mm)


A
.197
.04
.06
Cathode
.197
0.1
.236
.283
1.063
.02
B
.079
.024
Cathode
.06
.197
0.1
.11
.276
.107
.02
C
.079
.06
Cathode
.197
0.1
.276
1.063
.02
J
.039
.339
.039
.964
1,4
.079
5,6
.197
0.2
2,3
.04 max.
.02
.157
.232
4
5
6
2
3
1. Anode Red
2. Anode Blue
3. Anode Green
4. Anode Blue
5. Common Cathode
6. Common Cathode
K
5.7
(.224)
5
(.197)
4
3
5
2
6
(.236)
ø4
(.157)
6
1
Polarity
Mark
2.8
(.11)
3.18
(.125)
2
(.079)
4
(.157)
2.3
(.091)
.75
(.03)
D
.06
Cathode
.276
0.1
.02
.091
.315
1.063
E
Red Anode
Cathode
Green Anode
.197
0.1
.079
.276
.965
F
.299
C1.2
.157
.118
.299
.299
.06
.295
.016
.187
.016
.20
G
.232
.04
.06
Cathode
.197
.04
.03
0.1
.339
.866
.024
H
.157
.04
Cathode
.06
.118
0.1
.197
1.063
.02
I
.232
.04
Cathode
.06
.197
0.1
.339
1.063
.02

LED LAMPS (CONT.)

Square .2" X .2" (5mm X 5mm) LEDs

• Forward current: 20mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		Forward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP503HDT	WP503HDT	A	Red	Red Diffused	700	2	2	0.5	110°	.21	.17	.17	.11
604-WP503YDT	WP503YDT	A	Yellow	Yellow Diffused	590	8	8	1.3	110°	.23	.18	.18	.12
604-WP503GDT	WP503GDT	A	Green	Green Diffused	565	8	8	1.3	110°	.23	.18	.18	.12

Rectangular LEDs

• Forward current: 10mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		Forward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP103HD	WP103HD	B	Red	Red Diffused	700	0.5	2	2	110°	.16	.13	.11	.08
604-WP103YD	WP103YD	B	Yellow	Yellow Diffused	590	2	8	2.1	110°	.18	.15	.12	.09
604-WP103GD	WP103GD	C	Green	Green Diffused	565	2	8	2	110°	.16	.13	.11	.08
604-WP113HDT	WP113HDT	C	Red	Red Diffused	700	0.5	2	2	110°	.17	.14	.12	.10
604-WP113YDT	WP113YDT	C	Yellow	Yellow Diffused	590	2	8	2.1	110°	.18	.15	.12	.09
604-WP113GDT	WP113GDT	C	Green	Green Diffused	565	2	8	2.2	110°	.19	.16	.13	.10
604-WP153HDT	WP153HDT	D	Red	Red Diffused	700	0.8	1.3	2	110°	.19	.16	.13	.10
604-WP153YDT	WP153YDT	D	Yellow	Yellow Diffused	590	1.3	8	2.1	110°	.18	.15	.12	.09
604-WP153GDT	WP153GDT	D	Green	Green Diffused	565	1.3	8	2.2	110°	.19	.16	.13	.10
604-WP119EGW	WP119EGW	E	Red/Green	White Diffused	625/565	1.6	20/12.5	2.0/2.2	110°	.34	.27	.24	.18

Super Flux LED Lamps

• Forward current: 10mA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Color		Wave-length	Luminous Intensity		Forward Voltage	Viewing Angle	Price Each			
			Source	Lens		Min.	Typ.			1	100	500	1000
604-WP7676CSURC	WP7676CSURC	F	Hyper Red	Water Clear	640	480	1000	2.5	70°	.52	.42	.37	.35
604-WP7676CSURC/E	WP7676CSURC/E	F	Red	Water Clear	630	300	600	2.5	70°	.52	.42	.37	.35
604-WP7676CSEC/H	WP7676CSEC/H	F	Red	Water Clear	630	1500	1800	2.5	70°	.85	.68	.61	.57
604-WP7676CSEC/E	WP7676CSEC/E	F	Hyper Orange	Water Clear	630	1500	2800	2.5	70°	.52	.42	.37	.35
604-WP7676CSEC/G	WP7676CSEC/G	F	Red	Water Clear	625	700	1200	2.5	70°	.52	.42	.37	.35
604-WP7676CSYC	WP7676CSYC	F	Yellow	Water Clear	590	280	700	2.5	70°	.52	.42	.37	.35
604-WP7677C2RWC/J	WP7677C2RWC/J	F	White	Water Clear	6500K	5700	10000	3.5	30°	1.39	1.30	1.25	1.20

Photo Transistor

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Breakdown Voltage		Dark Current Maximum	Rise/Fall Time Typical	On-State Collector Current		Collector-Emitter Saturation Breakdown Voltage	Power Dissipation @ 25°C	Price Each			
			CEO	ECO			Min.	Max.			1	100	500	1000
604-WP7113P3C	WP7113P3C	G	30V	5V	100nA	3μs	1mA	8mA	0.8V	100mW	.32	.26	.22	.17

Infrared Diodes

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Lens Color	Forward Voltage (V)		Radiant Power		Reverse Current Max.	Peak Wavelength (nm)	Viewing Angle	Price Each			
				Typ.	Max.	Min.	Typ.				1	100	500	1000
604-WP34SF4C	WP34SF4C	H	Water Clear	1.4	1.7	3.2	7	10μA	880	30°	.50	.40	.34	.26
604-WP7113SF4BT	WP7113SF4BT	I	Blue	1.4	1.7	5	10	10μA	880	30°	.68	.55	.47	.30
604-WP7113SF4C	WP7113SF4C	I	Water Clear	1.4	1.7	5	10	10μA	880	30°	.68	.55	.47	.30

Full Color Spectrum

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Red (627nm)			Green (565nm)			✻ Blue (430nm)			Viewing Angle	Price Each			
			Volt. (Typ.)	Iv (mcd) Min.	Iv (mcd) Typ.	Volt. (Typ.)	Iv (mcd) Min.	Iv (mcd) Typ.	Volt. (Typ.)	Iv (mcd) Min.	Iv (mcd) Typ.		1	100	500	1000
604-WPF5WAEMBGMBW	WPF5WAEMBGMBW	J	2	10	25	1.1	10	20	3.8	10	30	60°	3.97	3.25	3.84	2.61

✻ Part has two blue LEDs built into it. Specs for each as a single unit

Chameleon Full Color Spectrum

✻ Kingbright's "Hyper Orange" is the same wavelength as Industry Standard Terminology "Hi-Efficiency Red".

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Kingbright Part No.	Fig.	Hyper Orange (630nm)			Green (520nm)			Blue (465nm)			Viewing Angle	Price Each			
			Volt. (Typ.)	Iv (mcd) Min.	Iv (mcd) Typ.	Volt. (Typ.)	Iv (mcd) Min.	Iv (mcd) Typ.	Volt. (Typ.)	Iv (mcd) Min.	Iv (mcd) Typ.		1	100	500	1000
604AAF5060-RGB	AAF5060PBESEEVG	K	2	650	1000	4	180	350	3.7	110	250	100°	4.49	3.99	3.79	3.49

✻ Kingbright's "Hyper Orange" is the same wavelength as Industry Standard Terminology "Hi-Efficiency Red"
✻✻ Luminous intensity with asterisk is measured at 50mA

LITE-ON Surface Mount LEDs

RoHS Compliant This page of product is compliant.

SURFACE MOUNT LEDS

Lite-On surface-mount lamps are extraordinarily popular with buyers and engineers. Lite-On's combination of a solid-state LED die with mechanical robustness of packaging has set a new standard for quality and durability. High reliability, high brightness and full-color range make Lite-On SMD LED highly suitable for signs, network systems, automotive applications, computers and a wide variety of other electronic equipment.

For quantities of 250 and up, call for quote.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	Color		Fwd. Volt. @ If= 10MA	Lumin. Intensity (typ.) (mcd)	Peak Wave-length (mm)	Price Each		
Mfr.	Mfr. Part Number		Source	Lens				1	10	100
130° Viewing Angle										
859	LTST-C190CKT	0603	Red	Clear	660	10	1.8	.12	.10	.09
859	LTST-S270CKT	0603	Red	Clear	660	16	1.8	.14	.12	.10
859	LTST-S270KRKT	0603	Red	Clear	639	54	2	.15	.13	.11
859	LTST-C190KRKT	0603	Red	Clear	639	54	2	.13	.11	.10
859	LTST-C191KRKT	0603	Red	Clear	639	54	2	.15	.13	.11
859	LTST-C192KRKT	0603	Red	Clear	639	54	2	.16	.13	.12
859	LTSN-C190QR	0603	Red	Clear	639	60	2	.30	.25	.23
859	LTST-C192EKT	0603	Red	Clear	635	4.5	2	.13	.11	.10
859	LTST-C191EKT	0603	Red	Clear	630	4.5	2	.13	.11	.10
859	LTST-S270EKT	0603	Red	Clear	630	4	2	.13	.11	.10
859	LTST-C190EKT	0603	Red	Clear	630	6	2	.11	.09	.08
859	LTSN-C190QF	0603	Orange	Clear	611	130	2	.30	.25	.23
859	LTST-C190KFKT	0603	Orange	Clear	611	60	2	.13	.11	.10
859	LTST-C191KFKT	0603	Orange	Clear	611	60	2	.15	.13	.11
859	LTST-C192KFKT	0603	Orange	Clear	611	60	2	.16	.13	.12
859	LTST-S270KFKT	0603	Orange	Clear	611	80	2	.15	.13	.11
859	LTST-C191AKT	0603	Amber	Clear	610	4.5	2.1	.13	.11	.10
859	LTST-S270AKT	0603	Amber	Clear	610	4	2.1	.13	.11	.10
859	LTST-C190AKT	0603	Amber	Clear	610	6	2.1	.11	.09	.08
859	LTST-C192AKT	0603	Amber	Clear	610	4.5	2.1	.13	.11	.10
859	LTST-C192KSKT	0603	Yellow	Clear	591	28-180	1.8-2.4	.16	.13	.12
859	LTSN-C190QS	0603	Yellow	Clear	588	100	2	.30	.25	.23
859	LTST-C190KSKT	0603	Yellow	Clear	588	28-180	1.8-2.4	.13	.11	.10
859	LTST-C191KSKT	0603	Yellow	Clear	588	28-180	1.8-2.4	.15	.13	.11
859	LTST-S270KSKT	0603	Yellow	Clear	588	80	2	.15	.13	.11
859	LTST-C190YKT	0603	Yellow	Clear	585	6	2.1	.11	.09	.08
859	LTST-C191YKT	0603	Yellow	Clear	585	4.5	2.1	.13	.11	.10
859	LTST-S270YKT	0603	Yellow	Clear	585	4	2.1	.13	.11	.10
859	LTST-C192YKT	0603	Yellow	Clear	585	4.5	2.1	.13	.11	.10
859	LTST-C190KGKT	0603	Green	Clear	574	35	2	.13	.11	.10
859	LTST-C191KGKT	0603	Green	Clear	574	35	2	.15	.13	.11
859	LTST-C192KGKT	0603	Green	Clear	574	35	2	.16	.13	.12
859	LTST-S270KGKT	0603	Green	Clear	574	18-71	2	.15	.13	.11
859	LTST-C190GKT	0603	Green	Clear	565	6	2.1	.11	.09	.08
859	LTST-S270GKT	0603	Green	Clear	565	10	2.1	.13	.11	.10
859	LTST-C191GKT	0603	Green	Clear	565	12	2.1	.13	.11	.10
859	LTST-C192GKT	0603	Green	Clear	565	12	2	.13	.11	.10
859	LTST-C190TGKT	0603	Green	Clear	530	90-280	3.4	1.20	1.00	.90
859	LTST-C191TGKT	0603	Green	Clear	530	90-355	3.9-3.5	1.20	1.00	.90
859	LTST-S270TGKT	0603	Green	Clear	525	120	3.4	1.20	1.00	.90
859	LTST-C190UBKT	0603	Blue	Clear	428	4.5	3.8	.90	.75	.68
859	LTST-C190TBKT	0603	Blue	Clear	468	28-112	2.8-3.8	.36	.30	.27
859	LTST-C191TBKT	0603	Blue	Clear	468	28-112	2.8-3.8	.36	.30	.27
859	LTST-C192TBKT	0603	Blue	Clear	468	28-112	2.8-3.8	.36	.30	.27
859	LTST-S270TBKT	0603	Blue	Clear	468	28-112	28-112	.36	.30	.27
859	LTW-C191TS5	0603	White	Yellow	-	28-112	2.7-3.15	.65	.54	.49
859	LTW-C192TL2	0603	White	Yellow	-	21-55	3.8	.65	.54	.49
859	LTW-C192TL5	0603	White	Yellow	-	28-112	2.7-3.15	.65	.54	.49
859	LTW-C192TS5	0603	White	Yellow	-	28-112	2.7-3.15	.65	.54	.49
859	LTST-C195TBJRKT	0605	Blue/Red	Clear	468/639	45/45	3.3/2.0	.84	.70	.63
859	LTST-C195TBKFKT	0605	Blue/Org	Clear	468/611	45/90	3.3/2.0	.78	.65	.59
859	LTST-C195GEKT	0605	Grn/Red	Clear	565/630	10.0/4.5	2.1/2.0	.21	.18	.16
859	LTST-C195KGJRKT	0605	Grn/Red	Clear	574/639	35/45	2	.24	.20	.18
859	LTST-C195GYKT	0605	Grn/Ylw	Clear	565/585	5.0/	2.1/1.8	.21	.18	.16
859	LTST-C195KGJSKT	0605	Grn/Ylw	Clear	574/591	35/75	2	.24	.20	.18
859	LTST-C19FD1WT	0605	RGB	Diff	611/520/468	45-180/71-280/28-112	2.0/3.5/3.5	3.00	2.50	2.25
859	LTST-C170CKT	0805	Red	Clear	660	10	1.8	.14	.12	.11
859	LTST-C170KRKT	0805	Red	Clear	639	54	2	.16	.13	.12
859	LTST-C171KRKT	0805	Red	Clear	639	54	2	.15	.13	.11
859	LTST-S220KRKT	0805	Red	Clear	639	54	2	.14	.12	.11
859	LTSN-C170QR	0805	Red	Clear	639	70	2	.30	.25	.23
859	LTST-C171CKT	0805	Red	Clear	638	25	1.8	.14	.12	.10
859	LTST-C170EKT	0805	Red	Clear	630	2	2	.13	.11	.10
859	LTST-S220EKT	0805	Red	Clear	630	4	2	.13	.11	.10
859	LTST-C171EKT	0805	Red	Clear	630	6	2	.13	.11	.10
859	LTST-C170KFKT	0805	Orange	Clear	611	60	2	.16	.13	.12
859	LTST-S220KFKT	0805	Orange	Clear	611	60	2	.13	.11	.10
859	LTSN-C170QF	0805	Orange	Clear	611	130	2	.30	.25	.23
859	LTST-C170AKT	0805	Amber	Clear	610	2	2.1	.13	.11	.10
859	LTST-C171AKT	0805	Amber	Clear	610	4.5	2.1	.13	.11	.10
859	LTST-C171KSKT	0805	Yellow	Clear	588	50	2	.15	.13	.11
859	LTST-S220KSKT	0805	Yellow	Clear	588	60	2	.14	.12	.11
859	LTSN-C170QS	0805	Yellow	Clear	588	100	2	.30	.25	.23
859	LTST-C170KSKT	0805	Yellow	Clear	588	28-112	1.8-2.4	.16	.13	.12
859	LTST-C170YKT	0805	Yellow	Clear	585	2	2.1	.13	.11	.10
859	LTST-C171YKT	0805	Yellow	Clear	585	4.5	2.1	.13	.11	.10
859	LTST-S220YKT	0805	Yellow	Clear	585	4	2.1	.13	.11	.10
859	LTSN-C170QG	0805	Ylw/Grn	Clear	574	28-112	2	.30	.25	.23
859	LTST-C170KGKT	0805	Green	Clear	574	18-71	1.9-2.4	.16	.13	.12
859	LTST-C171KGKT	0805	Green	Clear	574	18-71	1.9-2.4	.15	.13	.11
859	LTST-S220KGKT	0805	Green	Clear	574	35	2	.14	.12	.11
859	LTST-C170GKT	0805	Green	Clear	565	6	2.1	.13	.11	.10
859	LTST-C171GKT	0805	Green	Clear	565	6	2.1	.13	.11	.10
859	LTST-S220GKT	0805	Green	Clear	565	10	2.1	.13	.11	.10
130° Viewing Angle (cont.)										
859	LTST-C170TGKT	0805	Green	Clear	530	120	3.4	1.20	1.00	.90
859	LTST-C171TBKT	0805	Blue	Clear	468	30	3.4	.36	.30	.27
859	LTST-S220TBKT	0805	Blue	Clear	468	28-112	28-112	.36	.30	.27
859	LTST-C170TBKT	0805	Blue	Clear	468	28-112	2.8-3.8	.36	.30	.27
859	LTW-270TLA	0805	White	Yellow	-	95	3	.65	.54	.49
859	LTW-170TK	0805	White	Yellow	-	112-450	2.8-3.8	.65	.54	.49
859	LTST-C17FB1WT	0805	RGB	Diff	621/520/468	45-180/71-280/28-112	2.0/3.5/3.5	3.00	2.50	2.25
859	LTST-C150CKT	1206	Red	Clear	660	25	1.8	.14	.12	.10
859	LTST-C150KRKT	1206	Red	Clear	639	54	2	.15	.13	.11
859	LTST-C230KRKT	1206	Red	Clear	639	54	2	.16	.13	.12
859	LTST-S110KRKT	1206	Red	Clear	639	54	2	.16	.13	.12
859	LTST-C230CKT	1206	Red	Clear	638	25	1.8	.14	.12	.11
859	LTST-C150EKT	1206	Red	Clear	630	6	2	.13	.11	.10
859	LTST-C230EKT	1206	Red	Clear	630	6	2	.13	.11	.10
859	LTST-C150KFKT	1206	Orange	Clear	611	60	2	.15	.13	.11
859	LTST-C230KFKT	1206	Orange	Clear	611	60	2	.16	.13	.12
859	LTST-S110KFKT	1206	Orange	Clear	611	80	2	.16	.13	.12
859	LTST-C230AKT	1206	Amber	Clear	610	4.5	2.1	.13	.11	.10
859	LTST-C150AKT	1206	Amber	Clear	610	6	2.1	.13	.11	.10
859	LTST-C230KSKT	1206	Yellow	Clear	588	60	2	.16	.13	.12
859	LTST-S110KSKT	1206	Yellow	Clear	588	80	2	.16	.13	.12
859	LTST-C150KSKT	1206	Yellow	Clear	588	28-112	1.8-2.4	.15	.13	.11
859	LTST-C230YKT	1206	Yellow	Clear	585	4.5	2.1	.13	.11	.10
859	LTST-C150YKT	1206	Yellow	Clear	585	6	2.1	.13	.11	.10
859	LTST-C150KGKT	1206	Green	Clear	574	18-71	1.9-2.4	.15	.13	.11
859	LTST-C230KGKT	1206	Green	Clear	574	35	2	.16	.13	.12
859	LTST-S110KGKT	1206	Green	Clear	574	50	2	.16	.13	.12
859	LTST-C150GKT	1206	Green	Clear	565	6	2.1	.13	.11	.10
859	LTST-C230GKT	1206	Green	Clear	565	14	2.1	.13	.11	.10
859	LTST-C230TGKT	1206	Green	Clear	530	120	3.4	1.20	1.00	.90
859	LTST-C150TGKT	1206	Green	Clear	530	150	3.4	1.20	1.00	.90
859	LTST-S110TGKT	1206	Green	Clear	530	150	3.4	1.20	1.00	.90
859	LTST-C150TBKT	1206	Blue	Clear	468	28-112	2.8-3.8	.36	.30	.27
859	LTST-C230TBKT	1206	Blue	Clear	468	28-112	2.8-3.8	.36	.30	.27
859	LTST-S110TBKT	1206	Blue	Clear	468	60	2.8-3.8	.36	.30	.27
859	LTST-C150UBKT	1206	Blue	Clear	428	4.5	3.8	.90	.75	.68
859	LTW-150TK	1206	White	Yellow	-	260	3.2	.65	.54	.49
859	LTST-S320CKT	1208	Red	Clear	660	16	1.8	.16	.13	.12
859	LTST-S320KRKT	1208	Red	Clear	639	54	2	.17	.14	.13
859	LTST-S320EKT	1208	Red	Clear	630	4	2	.14	.12	.11
859	LTST-S320KFKT	1208	Orange	Clear	611	60	2	.16	.13	.12
859	LTST-S320AKT	1208	Amber	Clear	610	4	2.1	.14	.12	.11
859	LTST-S320KSKT	1208	Yellow	Clear	591	60	2	.17	.14	.13
859	LTST-S320YKT	1208	Yellow	Clear	585	4	2.1	.14	.12	.11
859	LTST-S320KGKT	1208	Green	Clear	574	35	2	.16	.13	.12
859	LTST-S320GKT	1208	Green	Clear	565	10	2.1	.14	.12	.11
859	LTST-S320TGKT	1208	Green	Clear	525	120	3.5	1.20	1.00	.90
859	LTST-S320TBKT	1208	Blue	Clear	468	30	3.4	.36	.30	.27
859	LTST-S326KGJRKT	1208	Grn/Red	Clear	574/639	35/45	2	.24	.20	.18
859	LTST-S326KGJSKT	1208	Grn/Ylw	Clear	574/591	35/75	2	.24	.20	.18
859	LTST-S326GEKT	1208	Grn/Red	Clear	565/630	14/6.0	2.1/2.0	.21	.18	.16
859	LTST-S326GYKT	1208	Grn/Ylw	Clear	565/585	14/6.0	2.1	.21	.18	.16
859	LTST-C930CKT	1209	Red	Clear	660	160	1.8	.17	.15	.13
859	LTSN-C930QR	1209	Red	Clear	639	1050	2	.30	.25	.23
859	LTSN-C930QF	1209	Orange	Clear	611	1950	2	.30	.25	.23
859	LTST-C930AKT	1209	Amber	Clear	610	16	2.1	.16	.14	.12
859	LTSN-C930QS	1209	Yellow	Clear	588	1500	2	.30	.25	.23
859	LTSN-C930QG	1209	Ylw/Grn	Clear	574	750	2	.30	.25	.23
859	LTST-C155KGJSKT	1210	Grn/Ylw	Clear	574/591	35/75	2	.24	.20	.18
859	LTST-C155KGJRKT	1210	Grn/Red	Clear	571/631	35/45	2	.24	.20	.18
859	LTST-C155JCKT	1210	Grn/Red	Clear	565/660	2.6	2.1	.36	.30	.27
859	LTST-C155GEKT	1210	Grn/Red	Clear	565/630	7.0/6.0	2.1/2.0	.21	.18	.16
859	LTST-C155GYKT	1210	Grn/Ylw	Clear	565/585	7.0/6.0	2.1	.21	.18	.16
120° Viewing Angle										
859	LTSN-LST676	PLCC	Red	Clear	639	200	2	.30	.25	.23
859	LTST-T670KRL	PLCC	Red	Clear	639	45-180	2	.21	.18	.16
859	LTSN-LOT676	PLCC	Orange	Clear	611	180	2	.30	.25	.23
859	LTSN-LYT676	PLCC	Yellow	Clear	591	150	2	.30	.25	.23
859	LTST-T670KSL	PLCC	Yellow	Clear	591	71-224	2	.21	.18	.16
859	LTST-T670KGL	PLCC	Green	Clear	574	35.5-112	2	.21	.18	.16
859	LTSN-LGT676	PLCC	Ylw/Grn	Clear	573	50	2	.30	.25	.23
859	LTW-670DS	PLCC	White	Yellow	-	280-1120	3.5	.98	.81	.73
859	LTW-670US	PLCC	White	Yellow	-	560-900	3.5	1.37	1.14	1.02
25° Viewing Angle										
859	LTST-C930KRKT	1209	Red	Clear	639	850	2	.19	.16	.14
859	LTST-C930EKT	1209	Red	Clear	630	25	2	.16	.14	.12
859	LTST-C930KFKT	1209	Orange	Clear	611	1200	2	.19	.16	.14
859	LTST-C930KSKT	1209	Yellow	Clear	588	800	2	.19	.16	.14
859	LTST-C930YKT	1209	Yellow	Clear	585	16	2.1	.16	.14	.12
859	LTST-C930KGKT	1209	Green	Clear	574	600	2	.19	.16	.14
859	LTST-C930GKT	1209	Green	Clear	565	40	2.1	.16	.14	.12
859	LTST-C930TGKT	1209	Green	Clear	530	2000	3.4	1.20	1.00	.90
859	LTST-C930TBKT	1209	Blue	Clear	468	450	3.4	.36	.30	.27
859	LTST-C930UBKT	1209	Blue	Clear	428	60	3.8	.90	.75	.68

LITE-ON Thru-Hole LEDs

RoHS Compliant **This page of product is compliant.**

STANDARD LEDS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	Color		Fwd. Volt. (typ.)	Lumin. Intensity (typ.)	View. Angle	Peak Wavelength (mm)	Price Each		
Mfr.	Mfr. Part Number		Source	Lens					1	10	100
859—	LTL-709E	1.8mm	Red	Diff.	635	12.6	2	38	.20	.16	.15
859—	LTL-709Y	1.8mm	Yellow	Diff.	585	12.6	2.1	38	.20	.16	.15
859—	LTL-709L	1.8mm	Green	Diff.	560	8.7	2.1	38	.29	.24	.22
859—	LTL-4211	3mm	Red	Diff.	697	2.5	2.1	40	.11	.09	.08
859—	LTL-1CHP	3mm	Red	Diff.	697	4.4	2.1	60	.11	.09	.08
859—	LTL-4211N	3mm	Red	Diff.	697	4.4	2.1	60	.11	.09	.08
859—	LTL-1CHPE	3mm	Red	Trans.	697	8.7	2.1	45	.11	.09	.08
859—	LTL-4261N	3mm	Red	Diff.	660	60	1.8	60	.24	.20	.18
859—	LTL-4261NR	3mm	Red	Diff.	660	60	1.8	60	.24	.20	.18
859—	LTL-4262NR	3mm	Red	Trans.	660	135	1.8	45	.22	.18	.16
859—	LTL-4262N	3mm	Red	Trans.	660	170	1.8	45	.22	.18	.16
859—	LTL-4266N	3mm	Red	Clear	660	170	1.8	45	.22	.18	.16
859—	LTL-4266NR	3mm	Red	Clear	660	170	1.8	45	.22	.18	.16
859—	LTL1CHKR	3mm	Red	Diff.	639	90	2	60	.13	.11	.10
859—	LTL1CHKRKNN	3mm	Red	Clear	639	250	2	45	.16	.13	.12
859—	LTL-4221NLC	3mm	Red	Diff.	635	2.5	1.7	60	.28	.23	.21
859—	LTL-4221	3mm	Red	Diff.	635	8.7	2	40	.11	.09	.08
859—	LTL-1CHE	3mm	Red	Diff.	635	12.6	2	60	.11	.09	.08
859—	LTL-1CHEE	3mm	Red	Trans.	635	19	2	45	.11	.09	.08
859—	LTL-4222	3mm	Red	Trans.	635	29	2	20	.11	.09	.08
859—	LTL-4222N	3mm	Red	Trans.	635	29	2	45	.11	.09	.08
859—	LTL42KE6N	3mm	Red	Clear	632	250	2.05	56	.17	.14	.13
859—	LTL1CHKEKNN	3mm	Red	Clear	632	680	2.05	45	.13	.11	.10
859—	LTL42EKEKNN	3mm	Red	Clear	632	880	2.05	22	.14	.12	.11
859—	LTL-4221N	3mm	Hi-EffRed	Diff.	623	8.7	2	60	.11	.09	.08
859—	LTL-4291	3mm	Orange	Diff.	630	12.6	2	40	.11	.09	.08
859—	LTL-4291N	3mm	Orange	Diff.	630	8.7	2	60	.11	.09	.08
859—	LTL-4296	3mm	Orange	Clear	630	60	2	20	.11	.09	.08
859—	LTL-4296N	3mm	Orange	Clear	630	29	2	45	.11	.09	.08
859—	LTL1CHKFKNN	3mm	Orange	Clear	611	320	2.05	45	.13	.11	.10
859—	LTL-1CHA	3mm	Amber	Diff.	610	12.6	2.1	60	.11	.09	.08
859—	LTL-1CHAE	3mm	Amber	Trans.	610	29	2.1	45	.11	.09	.08
859—	LTL1CHKSKNN	3mm	Amb/Yw	Clear	598	320	2.05	45	.16	.13	.12
859—	LTL1CHKYK	3mm	Amb/Yw	Clear	595	320	2.05	45	.16	.13	.12
859—	LTL1CHKYKNN	3mm	Amb/Yw	Clear	595	320	2.05	45	.16	.13	.12
859—	LTL1CHJSTNN	3mm	Yellow	Trans.	591	310	2.05	45	.43	.36	.32
859—	LTL-4251N	3mm	Yellow	Diff.	588	5.6	2.1	60	.11	.09	.08
859—	LTL-4251NLC	3mm	Yellow	Diff.	585	1.1	1.8	60	.16	.13	.12
859—	LTL-1CHY	3mm	Yellow	Diff.	585	8.7	2.1	60	.11	.09	.08
859—	LTL-4251	3mm	Yellow	Diff.	585	8.7	2.1	40	.11	.09	.08
859—	LTL-4252	3mm	Yellow	Trans.	585	19	2.1	20	.11	.09	.08
859—	LTL-4252N	3mm	Yellow	Trans.	585	19	2.1	45	.11	.09	.08
859—	LTL-4256N	3mm	Yellow	Clear	585	19	2.1	45	.11	.09	.08
859—	LTL-1CHYE	3mm	Yellow	Trans.	585	40	2.1	45	.11	.09	.08
859—	LTL1CHKGKNN	3mm	Ylw-Grn	Clear	575	310	2.1	45	.16	.13	.12
859—	LTL-4231N	3mm	Ylw-Grn	Diff.	572	12.6	2.1	60	.11	.09	.08
859—	LTL-1CHG	3mm	Ylw-Grn	Diff.	565	12.6	2.1	60	.11	.09	.08
859—	LTL-4231NLC	3mm	Green	Diff.	565	1.1	1.9	60	.16	.13	.12
859—	LTL-4231N-1	3mm	Green	Diff.	565	5.6	2.1	60	.11	.09	.08
859—	LTL-4231	3mm	Green	Diff.	565	12.6	2.1	40	.11	.09	.08
859—	LTL-1CHGE	3mm	Green	Trans.	565	40	2.1	45	.11	.09	.08
859—	LTL-4232	3mm	Green	Trans.	565	40	2.1	20	.11	.09	.08
859—	LTL-4232N	3mm	Green	Trans.	565	40	2.1	45	.11	.09	.08
859—	LTL42TG6N	3mm	Green	Clear	525	1500	3.5	45	1.10	.92	.83
859—	LTL1RMTGK	3mm	Green	Clear	525	3200	3.5	15	1.10	.92	.83
859—	LTL-1CHCGK7	3mm	Green	Clear	518	3200	3.8	40	2.10	1.75	1.58
859—	LTL42CB6N	3mm	Blue	Clear	470	1900	3.5	50	1.22	1.02	.92
859—	LTL1CHCBK	3mm	Blue	Clear	468	190	3.5	35	1.68	1.40	1.26
859—	LTL1CHTBK2	3mm	Blue	Clear	468	310	3.5	30	.66	.55	.50
859—	LTL1CHTBK3	3mm	Blue	Clear	468	520	3.5	30	.72	.60	.54
859—	LTL1CHTBK	3mm	Blue	Clear	468	600	3.5	30	.67	.56	.50
859—	LTL1CHTBK4	3mm	Blue	Clear	468	680	3.5	30	.80	.67	.60
859—	LTL1CHTBK5	3mm	Blue	Clear	468	880	3.5	30	1.01	.84	.76
859—	LTL1RMTBK	3mm	Blue	Clear	468	1100	3.5	15	.61	.51	.46
859—	LTL42UB5N	3mm	Blue	Diff.	428	18	3.8	60	.98	.81	.73
859—	LTL42UB6N	3mm	Blue	Clear	428	60	3.8	45	.98	.81	.73

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	Color		Fwd. Volt. (typ.)	Lumin. Intensity (typ.)	View. Angle	Peak Wavelength (mm)	Price Each		
Mfr.	Mfr. Part Number		Source	Lens					1	10	100
859—	LTL-1BEHKV	3mm	Red/Grn	Diff.	655/ 568	19/29	2.0/ 2.1	55	.39	.33	.29
859—	LTL1BEKVJNN	3mm	Red/Grn	Diff.	639/ 575	110	2.0/ 2.05	45	.21	.18	.16
859—	LTL-1BEHJ	3mm	RedOrg/ Green	Diff.	630/ 565	19	2.0/ 2.1	75	.28	.24	.21
859—	LTW-815C4	3mm	White	Clear	-	85	3.5	130	1.37	1.14	1.02
859—	LTW-77HC4	3mm	White	Clear	-	140	3.5	140	1.37	1.14	1.02
859—	LTW-42NC5	3mm	White	Clear	-	1100	3.5	45	1.37	1.14	1.02
859—	LTW-420C5	3mm	White	Clear	-	2600	3.6	25	1.37	1.14	1.02
859—	LTW-1KHC5	3.8mm	White	Clear	-	520	3.5	90	1.37	1.14	1.02
859—	LTW-102C4	4.8mm	White	Clear	-	6000	3.5	20	1.37	1.14	1.02
859—	LTW-337C5	4.8mm	White	Clear	-	13000	3.6	20	1.37	1.14	1.02
859—	LTL-4213	5mm	Red	Diff.	697	3.7	2.1	36	.11	.09	.08
859—	LTL-307P	5mm	Red	Diff.	697	5.6	2.1	50	.11	.09	.08
859—	LTL-307PE	5mm	Red	Trans.	697	8.7	2.1	40	.11	.09	.08
859—	LTL-4214	5mm	Red	Trans.	697	19	2.1	16	.11	.09	.08
859—	LTL-4263	5mm	Red	Diff.	660	135	1.8	40	.23	.19	.17
859—	LTL-353CKR-H3	5mm	Red	Clear	660	700	1.8	12	.27	.23	.20
859—	LTL-353CK-H4	5mm	Red	Clear	660	1000	1.8	12	.42	.35	.32
859—	LTL-353CKR-H4	5mm	Red	Clear	660	1000	1.8	12	.24	.20	.18
859—	LTL2R3KRK	5mm	Red	Clear	639	500	2	30	.16	.13	.12
859—	LTL2P3KRK	5mm	Red	Clear	639	800	2	22	.16	.13	.12
859—	LTL2R3VRKNT	5mm	Red	Clear	639	990	1.9	30	.35	.29	.26
859—	LTL307VRKNN	5mm	Red	Clear	639	1150	1.9	40	.53	.45	.40
859—	LTL2H3KRK	5mm	Red	Clear	639	1300	2	15	.16	.13	.12
859—	LTL2P3VRKNT	5mm	Red	Clear	639	1400	1.9	22	.38	.32	.28
859—	LTL5V3SRK	5mm	Red	Clear	639	1500	2.2	7./35	.36	.30	.27
859—	LTL2R3SRKNE	5mm	Red	Clear	639	3200	2.2	30	.50	.42	.37
859—	LTL2R3SEK	5mm	Red	Clear	639	3700	2	30	.50	.42	.37
859—	LTL353QRKNN	5mm	Red	Clear	639	4200	1.9	12	.28	.23	.21
859—	LTL2P3SEK	5mm	Red	Clear	639	4800	2	22	.50	.42	.37
859—	LTL2H3SEK	5mm	Red	Clear	639	6350	2	15	.50	.42	.37
859—	LTL-307ELC	5mm	Red	Diff.	635	3.7	1.7	50	.28	.23	.21
859—	LTL-4223	5mm	Red	Diff.	635	19	2	36	.11	.09	.08
859—	LTL-4223-R1	5mm	Red	Diff.	635	29	12	36	.28	.23	.21
859—	LTL-4223-R2	5mm	Red	Diff.	635	29	12	36	.28	.23	.21
859—	LTL-307EE	5mm	Red	Trans.	635	90	2	40	.11	.09	.08
859—	LTL-4224	5mm	Red	Trans.	635	90	2	16	.11	.09	.08
859—	LTL81HKEKNN	5mm	Red	Clear	632	65	2.05	130	.18	.15	.14
859—	LTL2R3KEK	5mm	Red	Clear	632	700	2.05	30	.16	.13	.12
859—	LTL2P3KEK	5mm	Red	Clear	632	1000	2.05	22	.16	.13	.12
859—	LTL2R3VEKNT	5mm	Red	Clear	632	1200	2	30	.35	.29	.26
859—	LTL2H3KEK	5mm	Red	Clear	632	1700	2.05	15	.16	.13	.12
859—	LTL2H3VEKNT	5mm	Red	Clear	632	3100	2	15	.38	.32	.28
859—	LTL2F3VEKNT	5mm	Red	Clear	632	7200	2	8	.38	.32	.28
859—	LTL-4293	5mm	Orange	Diff.	630	29	2	36	.11	.09	.08
859—	LTL-4294	5mm	Orange	Trans.	630	90	2	16	.11	.09	.08
859—	LTL2H3VHKNT	5mm	Orange	Clear	624	3400	2	15	.38	.32	.28
859—	LTL2F3VHKNT	5mm	Orange	Clear	624	7800	2	8	.38	.32	.28
859—	LTL-307E	5mm	Red	Diff.	623	19	2	50	.11	.09	.08
859—	LTL2R3KAK	5mm	Orange	Clear	621	700	2.05	30	.16	.13	.12
859—	LTL2H3VAKNT	5mm	Orange	Clear	621	3400	2	15	.38	.32	.28
859—	LTL2F3VAKNT	5mm	Orange	Clear	621	7800	2	8	.38	.32	.28
859—	LTL2R3KFK	5mm	Orange	Clear	611	700	2.05	30	.16	.13	.12
859—	LTL2P3VFKNT	5mm	Orange	Clear	611	2000	2	22	.38	.32	.28
859—	LTL2H3VFKNT	5mm	Orange	Clear	611	3400	2	15	.38	.32	.28
859—	LTL2F3VFKNT	5mm	Orange	Clear	611	7800	2	8	.38	.32	.28
859—	LTL-307A	5mm	Amber	Diff.	610	29	2.1	50	.11	.09	.08
859—	LTL-307AE	5mm	Amber	Diff.	602	40	2.1	40	.11	.09	.08
859—	LTL-4273	5mm	Amber	Diff.	600	19	2.1	36	.11	.09	.08
859—	LTL2R3VYKNT	5mm	Orange	Clear	598	1300	2	30	.35	.29	.26
859—	LTL2R3KYK	5mm	Yellow	Clear	595	700	2.05	30	.16	.13	.12
859—	LTL2P3KYK	5mm	Yellow	Clear	595	1000	2.05	22	.16	.13	.12
859—	LTL2H3VYKNT	5mm	Amber	Clear	595	3400	2	15	.38	.32	.28
859—	LTL2F3VYKNT	5mm	Amber	Clear	595	7800	2	8	.38	.32	.28

LITE-ON Thru-Hole LEDs

RoHS Compliant This page of product is compliant.

STANDARD LEDS (CONT.)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	Color		Fwd. Volt. (typ.)	Lumin. Intensity (typ.)	View. Angle	Peak Wavelength (mm)	Price Each		
Mfr.	Mfr. Part Number		Source	Lens					1	10	100
859—	LTL2R3SYK	5mm	Amber	Clear	594	2800	2.15	30	.49	.41	.37
859—	LTL2P3SYK	5mm	Amber	Clear	594	3700	2.15	22	.50	.42	.37
859—	LTL2H3SYK	5mm	Amber	Clear	594	5500	2.15	15	.11	.09	.08
859—	LTL5V3SSS	5mm	Yellow	Diff.	591	880	2.2	70/35	.39	.32	.29
859—	LTL-307YE	5mm	Yellow	Trans.	590	40	2.1	40	.11	.09	.08
859—	LTL-307Y	5mm	Yellow	Diff.	588	29	2.1	50	.11	.09	.08
859—	LTL2R3KSK	5mm	Yellow	Clear	588	700	2.05	30	.16	.13	.12
859—	LTL2R3VSKNT	5mm	Yellow	Clear	588	1200	2	30	.35	.29	.26
859—	LTL2H3KSK	5mm	Yellow	Clear	588	1700	2.05	15	.16	.13	.12
859—	LTL2P3VSKNT	5mm	Yellow	Clear	588	1900	2	22	.38	.32	.28
859—	LTL2H3VSKNT	5mm	Yellow	Clear	588	3100	2	15	.38	.32	.28
859—	LTL-307YLC	5mm	Yellow	Diff.	585	3.7	1.8	50	.28	.23	.21
859—	LTL-4253	5mm	Yellow	Diff.	585	19	2.1	36	.11	.09	.08
859—	LTL-4253-R1	5mm	Yellow	Diff.	585	19	12	36	.37	.31	.28
859—	LTL-4254	5mm	Yellow	Trans.	585	90	2.1	16	.11	.09	.08
859—	LTL2H3KYK	5mm	Yellow	Clear	585	1700	2.05	15	.16	.13	.12
859—	LTL2R3KG	5mm	Green	Diff.	574	150	2.1	40	.18	.15	.14
859—	LTL2R3KGKNN	5mm	Green	Clear	574	650	2.1	30	.18	.15	.14
859—	LTL2P3KGKNN	5mm	Green	Clear	574	980	2.1	22	.18	.15	.14
859—	LTL-307GE	5mm	Ylw-Grn	Trans.	569	60	2.1	40	.11	.09	.08
859—	LTL-307GLC	5mm	Green	Diff.	565	3.7	1.9	50	.11	.09	.08
859—	LTL-4238	5mm	Green	Clear	565	16	2.1	90	.11	.09	.08
859—	LTL-4233	5mm	Green	Diff.	565	19	2.1	36	.11	.09	.08
859—	LTL-307G	5mm	Ylw-Grn	Diff.	565	19	2.1	50	.11	.09	.08
859—	LTL-4233-R2	5mm	Green	Diff.	565	29	12	36	.28	.23	.21
859—	LTL-4236N	5mm	Green	Clear	565	40	2.1	45	.11	.09	.08
859—	LTL-4233-R1	5mm	Green	Diff.	565	40	12	36	.28	.23	.21
859—	LTL-4234	5mm	Green	Trans.	565	60	2.1	16	.08	.07	.06
859—	LTL5H3CGS7	5mm	Green	Diff.	530	1450	3.8	110	2.14	1.78	1.60
859—	LTL2T3TGK6	5mm	Green	Clear	530	2500	3.5	30	1.22	1.02	.92
859—	LTL353TGK	5mm	Green	Clear	530	6000	3.5	8	1.09	.91	.82
859—	LTL2R3TGK	5mm	Green	Clear	525	4000	3.5	20	1.10	.92	.83
859—	LTL2P3TGK	5mm	Green	Clear	525	7000	3.5	15	1.21	1.01	.91
859—	LTL5H3CBS5	5mm	Blue	Diff.	470	430	3.7	110	2.14	1.78	1.60
859—	LTL2P3TBK	5mm	Blue	Clear	470	1800	3.5	15	.67	.56	.50
859—	LTL2T3TBK2	5mm	Blue	Clear	468	240	4.8	30	.61	.51	.46
859—	LTL2T3TBK3	5mm	Blue	Clear	468	400	3.5	30	.65	.55	.49
859—	LTL2T3TBK4	5mm	Blue	Clear	468	680	3.5	30	.73	.61	.55
859—	LTL2R3CBK5	5mm	Blue	Clear	468	1500	3.7	30	2.35	1.96	1.76
859—	LTL2P3TBK5	5mm	Blue	Clear	468	1900	3.5	15	1.01	.84	.76
859—	LTL353TBK	5mm	Blue	Clear	468	1900	3.5	8	1.09	.91	.82
859—	LTL353UBJ	5mm	Blue	Diff.	428	25	3.8	40	.98	.81	.73
859—	LTL2P3UBK	5mm	Blue	Clear	428	140	3.8	15	1.07	.90	.81
859—	LTL-30EFJ	5mm	Red/Green	Diff.	697/565	5.6/19	2.1	30	.42	.35	.32
859—	LTL-30EHJ	5mm	Red/YlwGrn	Diff.	621/569	40/29	2.0/2.1	30	.42	.35	.32
859—	LTL-30EDJ	5mm	Yellow/Green	Diff.	588/569	29	2.1	30	.42	.35	.32
859—	LTL-368DJ	5mm	Yellow/Green	Diff.	585/565	8.7	2.1	80	.21	.18	.16
859—	LTW-2H7C5S	5mm	White	Clear	-	1800	3.6	56	1.37	1.14	1.02
859—	LTW-2V3C5	5mm	White	Clear	-	2600	3.5	30	1.37	1.14	1.02
859—	LTW-2E3C4	5mm	White	Clear	-	4200	3.5	15	1.37	1.14	1.02
859—	LTW-2S3D7	5mm	White	Clear	-	13000	3.3	15	1.37	1.14	1.02

INFRARED EMITTERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	Lens Color	Peak Wavelength (nm)	View. Angle	Max Fwd Volt	Max Power Output (mW)	Price Each		
Mfr.	Mfr. Part Number							1	10	100
859—	LTE-209	3mm	Clear	940	16	1.6	90	.30	.25	.23
859—	LTE-302-M	Side Look	Clear	940	40	1.6	75	.30	.25	.23
859—	LTE-3271B	5mm	Clear	940	50	1.6	150	.41	.35	.31
859—	LTE-3271BL	5mm	Trans.	940	50	1.6	150	.41	.35	.31

HIGH FLUX PIRANHA SERIES

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	Color		Fwd. Volt. (typ.)	Lumin. Intensity (typ.)	View. Angle	Peak Wavelength (mm)	Price Each		
Mfr.	Mfr. Part Number		Source	Lens					1	10	100
859—	LTL911VRKSA	DIP-4	Red	Clear	639	0.6	2.15	70	.66	.57	.49
859—	LTL911SEKSA	DIP-4	Red	Clear	638	0.6	2.5	90	.65	.55	.49
859—	LTL912SEKSA	DIP-4	Red	Clear	638	0.9	2.5	60	.65	.55	.49
859—	LTL914SEKS	DIP-4	Red	Clear	638	2	2.5	30	.65	.55	.49
859—	LTL911VEKSA	DIP-4	Red	Clear	632	0.6	2.15	70	.49	.41	.37
859—	LTL912VEKSA	DIP-4	Red	Clear	632	1.2	2.15	50	.49	.41	.37
859—	LTL911SHKSA	DIP-4	RedOrg	Clear	626	0.6	2.5	90	.82	.68	.61
859—	LTL912SHKSA	DIP-4	RedOrg	Clear	626	0.9	2.5	60	.82	.68	.61
859—	LTL914SHKS	DIP-4	RedOrg	Clear	626	2	2.5	30	.82	.68	.61
859—	LTL911VHKSA	DIP-4	RedOrg	Clear	624	0.6	2.15	70	.49	.41	.37
859—	LTL911VYKSA	DIP-4	Amber	Clear	598	0.6	2.15	70	.66	.57	.49
859—	LTL912VYKSA	DIP-4	Amber	Clear	598	1.2	2.15	50	.49	.41	.37
859—	LTL911SYKSA	DIP-4	Amber	Clear	596	0.6	2.5	90	.65	.55	.49
859—	LTL912SYKSA	DIP-4	Amber	Clear	596	0.9	2.5	60	.65	.55	.49
859—	LTL914SYKS	DIP-4	Amber	Clear	596	2	2.5	30	.65	.55	.49
859—	LTL911CGKS7	DIP-4	Green	Clear	525	0.6	4.3	60	2.18	1.82	1.64
859—	LTL912CGKS7	DIP-4	Green	Clear	518	0.9	4.3	45	2.18	1.82	1.64
859—	LTL911CBKS5	DIP-4	Blue	Clear	465	0.6	4.3	60	2.24	1.86	1.68
859—	LTL912CBKS5	DIP-4	Blue	Clear	465	0.9	4.3	45	1.91	1.59	1.43

RECTANGULAR LEDS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	Color		Fwd. Volt. (typ.)	Lumin. Intensity (typ.)	View. Angle	Peak Wavelength (mm)	Price Each		
Mfr.	Mfr. Part Number		Source	Lens					1	10	100
859—	LTL-3223A	2.5X 7.1mm	Red	Diff.	635	6.3	2	130	.14	.12	.10
859—	LTL-3233A	2.5X 7.1mm	Red	Diff.	565	6.3	2.1	130	.14	.12	.10
859—	LTL-3253A	2.5X 7.1mm	Yellow	Diff.	585	1.7	2.1	130	.14	.12	.10
859—	LTL-403P	2X4mm	Red	Diff.	697	1.1	2.1	104	.16	.14	.12
859—	LTL-403HR	2X4mm	Red	Diff.	635	2.6	2	104	.14	.12	.10
859—	LTL-403Y	2X4mm	Yellow	Diff.	588	2.5	2.1	104	.14	.12	.10
859—	LTL-403G	2X4mm	Green	Diff.	565	2.6	2.1	104	.14	.12	.10
859—	LTL-433P	2X5mm	Red	Diff.	697	1.1	2.1	140	.16	.14	.12
859—	LTL-433HR	2X5mm	Red	Diff.	635	3.7	2	140	.14	.12	.10
859—	LTL-433EA	2X5mm	Orange	Diff.	630	3.7	2	140	.16	.14	.12
859—	LTL-433Y	2X5mm	Yellow	Diff.	585	3.7	2.1	140	.14	.12	.10
859—	LTL-3231A	2X5mm	Green	Diff.	565	2.5	2.1	140	.14	.12	.10
859—	LTL-433G	2X5mm	Green	Diff.	565	3.7	2.1	140	.14	.12	.10
859—	LTL-40CHJ	4X2mm	Orange/Green	Diff.	630/565	5.6	2.1	140	.45	.38	.34

INFRARED RECEIVERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	Lens Color	View. Angle	VCEO	Rise Fall	Max Power (mW)	Ic(on)/Is	Price Each		
Mfr.	Mfr. Part Number								1	10	100
859—	LTR-209	3mm	Clear	8	30	10/15	100	0.8	.39	.32	.29
859—	LTR-4206	3mm	Clear	10	30	10/10	100	0.8	.17	.14	.13
859—	LTR-4206E	3mm	Filtered	10	30	10/10	100	0.8	.17	.14	.13
859—	LTR-3208	5mm	Clear	10	30	10/15	100	0.8	.26	.22	.19
859—	LTR-323DB	5mm	Clear	30	30	50/50	150	8	.26	.22	.19
859—	LTR3208E	5mm	Filtered	10	30	10/15	100	0.64	.34	.30	.26
859—	LTR-301	Side Look	Clear	20	30	10/15	100	0.2	.26	.22	.19
859—	LTR-309	Side Look	Clear	20	30	10/15	100	0.2	.23	.19	.17
859—	LTR-306	Side Look	Trans.	15	30	20/20	100	0.2	.23	.19	.17

LITE-ON LED Arrays and Light Bars

RoHS Compliant **This page of product is compliant.**

LITEON®

LED ARRAYS

Features:

- Rectangular light bar
- Large, bright, uniform light emitting areas
- Low power requirement
- Excellent ON-OFF contrast
- Can be used with panel and legend mount
- Easy mounting on P.C. Board
- Categorized for light output

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Pkg.	Color	Fwd. Volt @IF= 20mA (typ.)	Lumin. Intensity (typ.)	Peak Wave-length (nm)	Price Each		
Mfr.	Mfr. Part Number							1	10	100
859	LTL-53173Y	A	12.7 X 6.35mm	Yellow	2.1	4200	585	.94	.79	.71
859	LTL-54173G	A	12.7 X 6.35mm	Green	2.1	4200	565	.86	.72	.64
859	LTL-57173HR	A	12.7 X 6.35mm	Red	2.0	4200	635	.80	.67	.60

LIGHT BARS

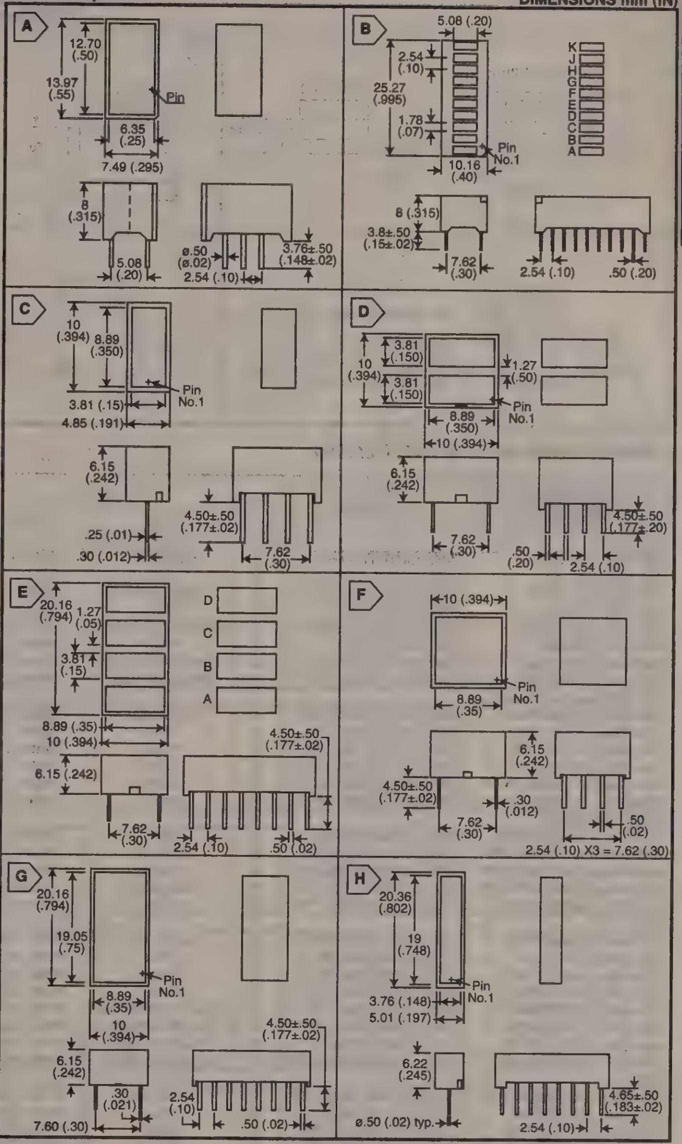
Features:

- Rectangular light bar
- Large, bright, uniform light emitting areas
- Low power requirement
- High brightness and high contrast
- Solid state reliability
- Easy mounting
- Categorized for luminous intensity

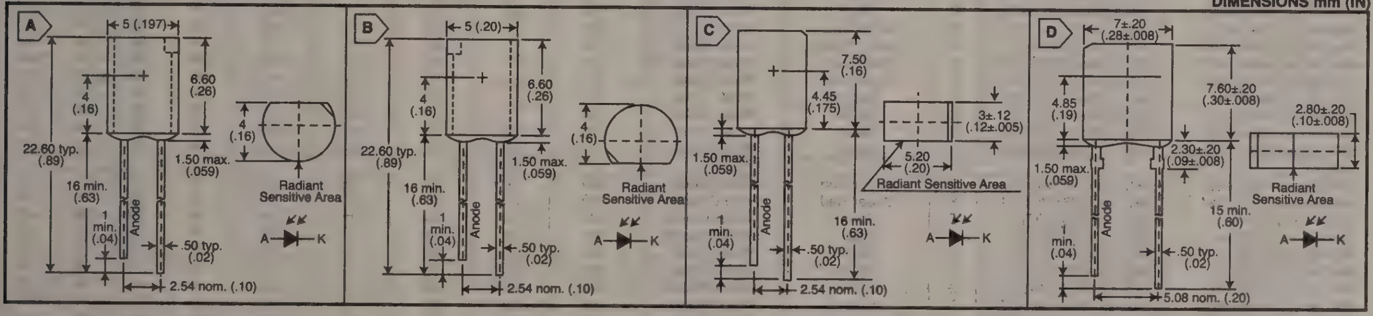
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Fwd. Volt (typ.)	Source Color	Typical Luminosity IF=10mA	Price Each		
Mfr.	Mfr. Part Number						1	10	100
859	LTA-1000G	B	DIP-20	2.1	Green	2000	1.35	1.13	1.01
859	LTA-1000E	B	DIP-20	2.0	Orange	2000	1.35	1.13	1.01
859	LTA-1000HR	B	DIP-20	2.0	Red	2000	1.35	1.13	1.01
859	LTL-2500G	C	8.89 X 3.81mm	2.1	Green	4200	1.09	.91	.82
859	LTL-2800G	D	8.89 X 3.81mm	2.1	Green	4200	1.67	1.39	1.25
859	LTL-2820G	E	8.89 X 3.81mm	2.1	Green	4200	1.67	1.39	1.25
859	LTL-2300HR	C	8.89 X 3.81mm	2.0	Red	4200	1.03	.86	.77
859	LTL-2600HR	D	8.89 X 3.81mm	2.0	Red	4200	1.65	1.38	1.24
859	LTL-2620HR	E	8.89 X 3.81mm	2.0	Red	4200	1.65	1.38	1.24
859	LTL-2400Y	C	8.89 X 3.81mm	2.1	Yellow	4200	1.09	.91	.82
859	LTL-2700Y	D	8.89 X 3.81mm	2.1	Yellow	4200	1.83	1.53	1.38
859	LTL-2720Y	E	8.89 X 3.81mm	2.1	Yellow	4200	1.83	1.53	1.38
859	LTL-2855G	F	8.89 X 8.89mm	2.1	Green	8000	1.67	1.39	1.25
859	LTL-2655HR	F	8.89 X 8.89mm	2.0	Red	8000	1.65	1.38	1.24
859	LTL-2755Y	F	8.89 X 8.89mm	2.1	Yellow	8000	2.60	2.17	1.95
859	LTL-2885G	G	8.89 X 19.05mm	2.1	Green	16000	1.67	1.39	1.25
859	LTL-2685HR	G	8.89 X 19.05mm	2.0	Red	16000	1.65	1.38	1.24
859	LTL-2785Y	G	8.89 X 19.05mm	2.1	Yellow	16000	1.83	1.53	1.38
859	LTL-2550G	H	19 X 3.76mm	2.1	Green	8000	1.20	1.00	.90
859	LTL-2450Y	H	19 X 3.76mm	2.1	Yellow	8000	1.31	1.09	.98

DIMENSIONS mm (IN)


A
12.70 (.50)
13.97 (.55)
Pin
6.35 (.25)
7.49 (.295)
8 (.315)
5.08 (.20)
ø.50 (ø.02)
2.54 (.10)
3.76±.50 (.148±.02)
B
5.08 (.20)
2.54 (.10)
25.27 (.995)
1.78 (.07)
K J H G F E D C B A
Pin No.1
10.16 (.40)
8 (.315)
3.8±.50 (.15±.02)
7.62 (.30)
2.54 (.10)
.50 (.20)
C
10 (.394)
8.89 (.350)
Pin No.1
3.81 (.15)
4.85 (.191)
6.15 (.242)
.25 (.01)
.30 (.012)
4.50±.50 (.177±.02)
7.62 (.30)
D
3.81 (.150)
10 (.394)
3.81 (.150)
1.27 (.50)
Pin No.1
8.89 (.350)
10 (.394)
6.15 (.242)
7.62 (.30)
.50 (.20)
2.54 (.10)
4.50±.50 (.177±.20)
E
20.16 (.794)
1.27 (.05)
3.81 (.15)
D
C
B
A
8.89 (.35)
10 (.394)
6.15 (.242)
4.50±.50 (.177±.02)
7.62 (.30)
2.54 (.10)
.50 (.02)
F
10 (.394)
Pin No.1
8.89 (.35)
6.15 (.242)
4.50±.50 (.177±.02)
.30 (.012)
7.62 (.30)
.50 (.02)
2.54 (.10) X3 = 7.62 (.30)
G
20.16 (.794)
19.05 (.75)
Pin No.1
8.89 (.35)
10 (.394)
4.50±.50 (.177±.02)
6.15 (.242)
.30 (.021)
2.54 (.10)
.50 (.02)
7.60 (.30)
H
20.36 (.802)
19 (.748)
Pin No.1
3.76 (.148)
5.01 (.197)
6.22 (.245)
4.65±.50 (.183±.02)
ø.50 (.02) typ.
2.54 (.10)

DIMENSIONS mm (IN)


A
5 (.197)
6.60 (.26)
4 (.16)
22.60 typ. (.89)
1.50 max. (.059)
16 min. (.63)
1 min. (.04)
Anode
.50 typ. (.02)
2.54 nom. (.10)
4 (.16)
Radiant Sensitive Area
A K
B
5 (.20)
6.60 (.26)
4 (.16)
22.60 typ. (.89)
1.50 max. (.059)
16 min. (.63)
1 min. (.04)
Anode
.50 typ. (.02)
2.54 nom. (.10)
4 (.16)
Radiant Sensitive Area
A K
C
7.50 (.16)
4.45 (.175)
1.50 max. (.059)
1 min. (.04)
Anode
16 min. (.63)
.50 typ. (.02)
2.54 nom. (.10)
3±.12 (.12±.005)
5.20 (.20)
Radiant Sensitive Area
A K
D
7±.20 (.28±.008)
4.85 (.19)
7.60±.20 (.30±.008)
1.50 max. (.059)
2.30±.20 (.09±.008)
2.80±.20 (.10±.008)
15 min. (.60)
1 min. (.04)
Anode
.50 typ. (.02)
5.08 nom. (.20)
Radiant Sensitive Area
A K

INFRARED PHOTODIODES

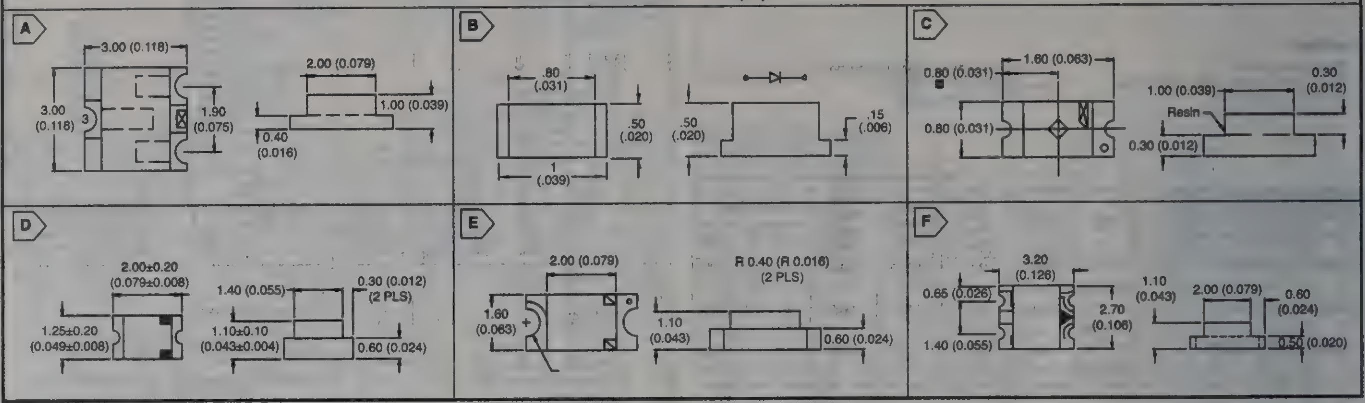
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Peak Wavelength (nm)	V(BR) R Min. (V)	Rise Fall	Max Power (mW)	Ic(on)/ Is	Price Each		
Mfr.	Mfr. Part Number								1	10	100
859	LTR-516AD	A	Dark Blue	900	30	50/50	150	1.7	.53	.45	.40
859	LTR-526AD	B	Dark Green	900	30	50/50	150	1.7	.53	.45	.40
859	LTR-536AD	C	Dark Green	900	30	50/50	150	1.7	.80	.66	.60
859	LTR-546AB	D	Dark Blue	900	30	50/50	150	1.7	.69	.58	.52
859	LTR-546AD	D	Dark Blue	900	30	50/50	150	1.7	.80	.66	.60

LUMEX SMD LEDs

RoHS Compliant This page of product is compliant.

DIMENSIONS: mm (in.)



LUMEX SURFACE MOUNT LEDS

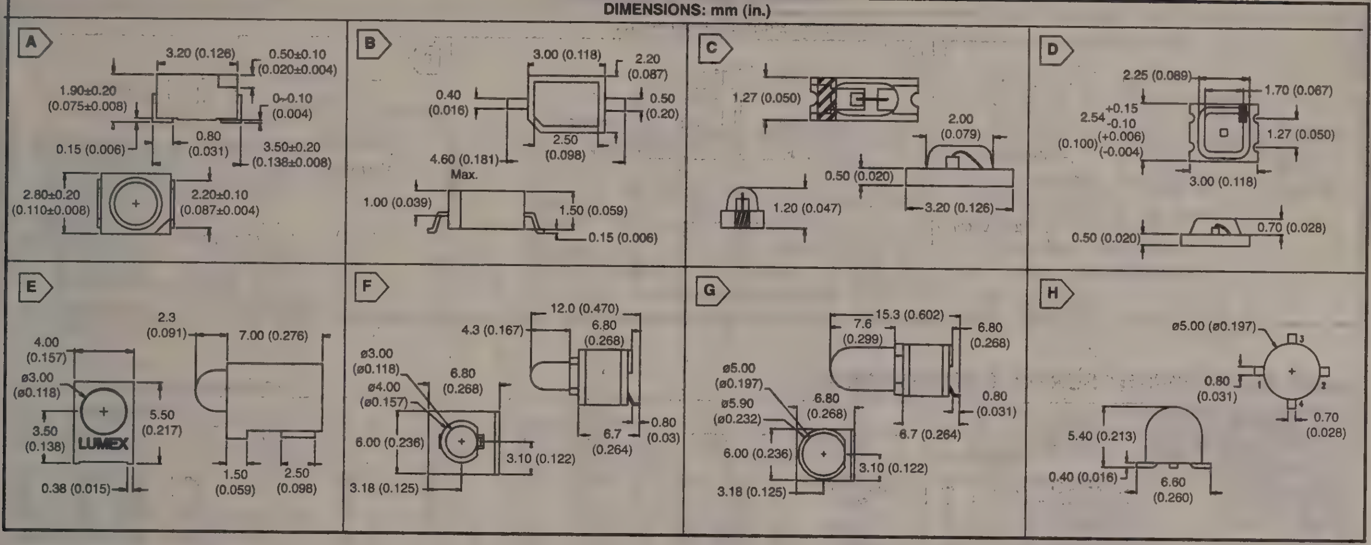
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
SOT-23													
696-SML-LX15SRC	SML-LX15SRC-TR	A	Super Red	Water Clear	660	1.7	30	20	140°	.56	.49	.42	.35
696-SML-LX15IC	SML-LX15IC-TR	A	Red	Water Clear	635	2	30	10	140°	.52	.45	.39	.32
696-SML-LX15SYC	SML-LX15SYC-TR	A	Super Yellow	Water Clear	590	2.1	30	60	140°	.56	.49	.42	.35
696-SML-LX15YC	SML-LX15YC-TR	A	Yellow	Water Clear	585	2.1	30	10	140°	.52	.45	.39	.32
696-SML-LX15SUGC	SML-LX15SUGC-TR	A	Super Ultra Green	Water Clear	574	2.2	25	45	140°	.56	.49	.42	.35
696-SML-LX15GC	SML-LX15GC-TR	A	Green	Water Clear	565	2.1	25	10	140°	.52	.45	.39	.32
696-SML-LX15UPGC	SML-LX15UPGC-TR	A	Ultra Pure Green	Water Clear	525	3.5	30	45	140°	3.00	2.62	2.25	1.87
696-SML-LX15USBC	SML-LX15USBC-TR	A	Ultra Super Blue	Water Clear	470	3.5	30	120	140°	3.00	2.62	2.25	1.87
SOT-23 Reverse Polarity													
696-SML-LX15SRC-RP	SML-LX15SRC-RP-TR	A	Super Red	Water Clear	660	1.7	30	20	140°	.56	.49	.42	.35
696-SML-LX15IC-RP	SML-LX15IC-RP-TR	A	Red	Water Clear	635	2	30	10	140°	.52	.45	.39	.32
696-SML-LX15YC-RP	SML-LX15YC-RP-TR	A	Yellow	Water Clear	585	2.1	30	10	140°	.52	.45	.39	.32
696-SML-LX15GC-RP	SML-LX15GC-RP-TR	A	Green	Water Clear	565	2.1	25	10	140°	.52	.45	.39	.32
696-SMLLX15SUGC-RP	SML-LX15SUGC-RP-TR	A	Green	Water Clear	574	2.2	25	45	140°	.56	.49	.42	.35
696-SMLLX15USBC-RP	SML-LX15USBC-RP-TR	A	Blue	Water Clear	470	3.5	30	120	140°	3.00	2.62	2.25	1.87
0402 High Bright													
696-SML-LX0402SICTR	SML-LX0402SIC-TR	B	Red	Water Clear	636	2	20	140	120	.40	.34	.29	.23
696-SML-LX0402SOCTR	SML-LX0402SOC-TR	B	Orange	Water Clear	610	2	20	120	120	.37	.31	.27	.21
696-SML-LX0402SUGCTR	SML-LX0402SUGC-TR	B	Green	Water Clear	574	2.2	20	45	120	.81	.69	.60	.49
696-SML-LX0402UPGCTR	SML-LX0402UPGC-TR	B	Pure Green	Water Clear	525	3.5	20	110	120	2.65	2.32	1.98	1.67
696-SML-0402USBCTR	SML-LX0402USBC-TR	B	Blue	Water Clear	470	3.5	20	20	120	1.28	1.12	.96	.81
0603													
696-SML-LX0603SRW	SML-LX0603SRW-TR	C	Super Red	White Diffused	660	1.8	30	45	140°	.20	.17	.15	.12
696-SML-LX0603IW	SML-LX0603IW-TR	C	Red	White Diffused	635	2	30	14	160°	.20	.17	.15	.12
696-SML-LX0603YW	SML-LX0603YW-TR	C	Yellow	White Diffused	585	2.1	30	14	160°	.20	.17	.15	.12
696-SML-LX0603GW	SML-LX0603GW-TR	C	Green	White Diffused	565	2.2	25	18	160°	.20	.17	.15	.12
696-SML-LX0603SIW	SML-LX0603SIW-TR	C	Super Intensity Red	White Diffused	636	2	30	60	140°	.44	.38	.33	.27
696-SML-LX0603SOW	SML-LX0603SOW-TR	C	Super Orange	White Diffused	610	2	30	60	140°	.44	.38	.33	.27
696-SML-LX0603SYW	SML-LX0603SYW-TR	C	Super Yellow	White Diffused	590	2	30	60	140°	.56	.49	.42	.35
696-SML-LX0603SUGW	SML-LX0603SUGW-TR	C	Super Ultra Green	White Diffused	574	2.2	25	45	140°	.60	.52	.45	.37
0805													
696-SML-LXT0805SRW	SML-LXT0805SRW-TR	D	Super Red	White Diffused	660	1.8	30	21	140°	.24	.21	.18	.15
696-SML-LXT0805IW	SML-LXT0805IW-TR	D	Red	White Diffused	635	2	30	11	140°	.20	.17	.15	.12
696-SML-LXT0805YW	SML-LXT0805YW-TR	D	Yellow	White Diffused	585	2.1	30	10	140°	.20	.17	.15	.12
696-SML-LXT0805GW	SML-LXT0805GW-TR	D	Green	White Diffused	565	2	30	11	140°	.20	.17	.15	.12
696-SML-LXR85IC	SML-LXR85IC-TR	D	Red	Water Clear	635	2	25	12	130°	.24	.21	.18	.15
696-SML-LXR85UPGC	SML-LXR85UPGC-TR	D	Green	Water Clear	525	3.5	25	45	160°	3.88	3.39	2.91	2.42
696-SML-LXR85USBC	SML-LXR85USBC-TR	D	Blue	Water Clear	470	3.5	25	30	160°	3.68	3.22	2.76	2.30
696-SML-LX0805SIC	SML-LX0805SIC-TR	D	Super Red	Water Clear	636	2	30	60	140°	.32	.28	.24	.20
696-SML-LX0805SOC	SML-LX0805SOC-TR	D	Super Orange	Water Clear	610	2	30	60	140°	.36	.32	.24	.20
696-SML-LX0805UPGC	SML-LX0805UPGC-TR	D	Ultra Green	Water Clear	525	3.5	30	45	140°	3.68	3.22	2.76	2.30
696-SML-LX0805USBC	SML-LX0805USBC-TR	D	Super Blue	Water Clear	470	3.5	30	25	140°	3.20	2.18	2.01	1.85
696-SML-LXR85SOC	SML-LXR85SOC-TR	D	Orange	Water Clear	610	2	30	75	160°	.52	.45	.39	.32
696-SML-LXR85SYC	SML-LXR85SYC-TR	D	Yellow	Water Clear	595	2	25	50	130°	.72	.63	.54	.45
696-SML-LXR85SUGC	SML-LXR85SUGC-TR	D	Green	Water Clear	574	2.2	25	45	180°	.72	.63	.54	.45
696-SMLLXT0805SUGW	SML-LXT0805SUGW-TR	D	Green	Water Clear	565	2.2	30	200	30°	1.88	1.64	1.41	1.17
1206													
696-SML-LX1206SRC	SML-LX1206SRC-TR	E	Super Red	Water Clear	660	1.8	30	15	160°	.20	.17	.15	.12
696-SML-LX1206SRW	SML-LX1206SRW-TR	E	Super Red	White Diffused	660	1.8	30	15	160°	.24	.21	.18	.15
696-SML-LX1206IC	SML-LX1206IC-TR	E	Red	Water Clear	635	2	25	6	160°	.20	.17	.15	.12
696-SML-LX1206IW	SML-LX1206IW-TR	E	Red	White Diffused	635	2	25	6	160°	.20	.18	.15	.13
696-SML-LX1206YC	SML-LX1206YC-TR	E	Yellow	Water Clear	585	2.1	25	6	160°	.20	.17	.15	.12
696-SML-LX1206GC	SML-LX1206GC-TR	E	Green	Water Clear	565	2.2	25	10	160°	.16	.14	.12	.10
696-SML-LX1206GW	SML-LX1206GW-TR	E	Green	White Diffused	565	2.2	25	10	160°	.20	.18	.15	.13
696-SML-LX1206UWW	SML-LX1206UWW-TR	E	Ultra White	Pale Diffused	550	3.5	20	90	140°	3.16	2.76	2.37	1.97
696-SML-LX1206UPGC	SML-LX1206UPGC-TR	E	Ultra Pure Green	Water Clear	525	3.5	25	45	140°	3.84	3.36	2.88	2.40
696-SML-LX1206USBC	SML-LX1206USBC-TR	E	Ultra Super Blue	Water Clear	470	3.5	25	25	140°	3.64	3.18	2.73	2.27
696-SML-LX1206SIC	SML-LX1206SIC-TR	E	Super Intensity Red	Water Clear	636	2	30	70	140°	.24	.21	.18	.15
696-SML-LX1206SOC	SML-LX1206SOC-TR	E	Super Orange	Water Clear	610	2	30	70	140°	.24	.21	.18	.15
696-SML-LX1206SYC	SML-LX1206SYC-TR	E	Super Yellow	Water Clear	590	2	30	70	140°	.56	.49	.42	.35
696-SML-LX1206SUGC	SML-LX1206SUGC-TR	E	Super Ultra Green	Water Clear	574	2.2	25	45	140°	.08	.94	.81	.67
1210 - Dual Color													
696-SMLLX1210SRSRC	SML-LX1210SRSRC-TR	F	Sup. Red/Sup. Red	Water Clear	660	1.7	30	15	160°	.84	.73	.63	.52
696-SML-LX1210IGC	SML-LX1210IGC-TR	F	Red/Green	Water Clear	635/565	2.0/2.2	25	10	160°	.36	.31	.27	.22
696-SML-LX1210YGC	SML-LX1210YGC-TR	F	Yellow/Green	Water Clear	585/565	2.1/2.2	25	10	160°	.36	.31	.27	.22
696-SML-LX1210GGC	SML-LX1210GGC-TR	F	Green/Green	Water Clear	565/565	2.2	25	10	160°	.44	.38	.33	.27
696-SMLLX1210SRSGC	SML-LX1210SRSGC-TR	F	Red/Green	Water Clear	660/565	1.8/2.2	30/25	15/10	160°	.80	.70	.60	.50
696-SML-LX1210IIC	SML-LX1210IIC-TR	F	Red/Red	Water Clear	635	2	25	10	160°	.36	.31	.27	.22

LUMEX SMD LEDs

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm (in.)


A
3.20 (0.126)
0.50±0.10 (0.020±0.004)
1.90±0.20 (0.075±0.008)
0~0.10 (0.004)
0.80 (0.031)
0.15 (0.006)
3.50±0.20 (0.138±0.008)
2.80±0.20 (0.110±0.008)
2.20±0.10 (0.087±0.004)
B
3.00 (0.118)
2.20 (0.087)
0.40 (0.016)
0.50 (0.20)
2.50 (0.098)
4.60 (0.181) Max.
1.00 (0.039)
1.50 (0.059)
0.15 (0.006)
C
1.27 (0.050)
2.00 (0.079)
0.50 (0.020)
1.20 (0.047)
3.20 (0.126)
D
2.25 (0.089)
1.70 (0.067)
2.54 +0.15 -0.10
(0.100) (+0.006) (-0.004)
1.27 (0.050)
3.00 (0.118)
0.50 (0.020)
0.70 (0.028)
E
2.3 (0.091)
7.00 (0.276)
4.00 (0.157)
ø3.00 (ø0.118)
3.50 (0.138)
5.50 (0.217)
LUMEX
0.38 (0.015)
1.50 (0.059)
2.50 (0.098)
F
12.0 (0.470)
4.3 (0.167)
6.80 (0.268)
ø3.00 (ø0.118)
ø4.00 (ø0.157)
6.80 (0.268)
6.00 (0.236)
6.7 (0.264)
0.80 (0.03)
3.10 (0.122)
3.18 (0.125)
G
15.3 (0.602)
7.6 (0.299)
6.80 (0.268)
ø5.00 (ø0.197)
ø5.90 (ø0.232)
6.80 (0.268)
0.80 (0.031)
6.7 (0.264)
6.00 (0.236)
3.10 (0.122)
3.18 (0.125)
H
ø5.00 (ø0.197)
0.80 (0.031)
0.70 (0.028)
5.40 (0.213)
0.40 (0.016)
6.60 (0.260)

LUMEX SURFACE MOUNT LEDS

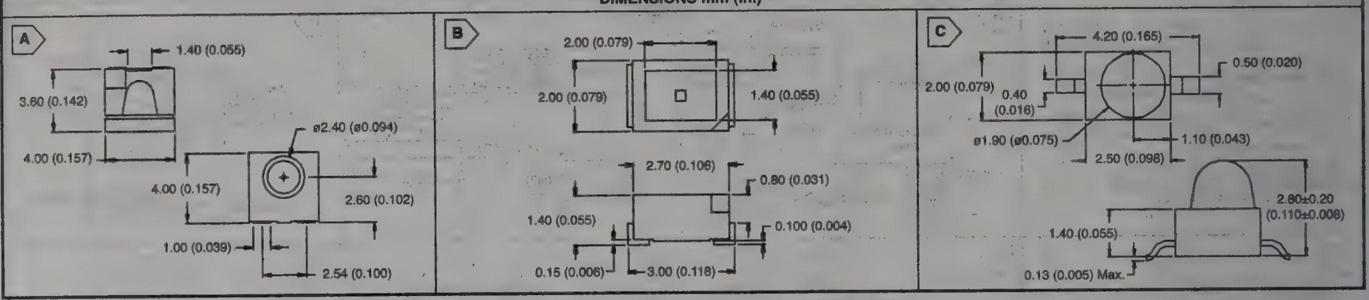
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
2.8mm x 3.2mm													
696-SML-LX2832SRC	SML-LX2832SRC-TR	A	Super Red	Water Clear	660	1.7	30	100	120°	.56	.49	.42	.35
696-SML-LX2832IC	SML-LX2832IC-TR	A	Red	Water Clear	635	2	30	25	120°	.36	.31	.27	.22
696-SML-LX2832YC	SML-LX2832YC-TR	A	Yellow	Water Clear	585	2.1	30	15	120°	.36	.31	.27	.22
696-SML-LX2832GC	SML-LX2832GC-TR	A	Green	Water Clear	565	2.1	25	25	120°	.36	.31	.27	.22
696-SML-LX2832USBC	SML-LX2832USBC-TR	A	Ultra Super Blue	Water Clear	470	3.5	30	60	120°	4.60	4.02	3.45	2.87
696-SML-LX2832SIC	SML-LX2832SIC-TR	A	Super Intensity Red	Water Clear	636	2	30	250	120°	.56	.49	.42	.35
696-SML-LX2832SOC	SML-LX2832SOC-TR	A	Super Orange	Water Clear	610	2	30	300	120°	.72	.63	.54	.45
696-SML-LX2832SYC	SML-LX2832SYC-TR	A	Super Yellow	Water Clear	595	2	30	80	120°	.56	.49	.42	.35
696-SML-LX2832SUGC	SML-LX2832SUGC-TR	A	Super Ultra Green	Water Clear	574	2.2	25	150	120°	.56	.49	.42	.35
1.7mm x 2.5mm													
696-SSL-LXA1725SRC	SSL-LXA1725SRC-TR	B	Super Red	Water Clear	650	2	25	30	130°	.40	.35	.30	.25
696-SSL-LXA1725IC	SSL-LXA1725IC-TR	B	Red	Water Clear	635	2	30	12	130°	.36	.31	.27	.22
696-SSL-LXA1725YC	SSL-LXA1725YC-TR	B	Yellow	Water Clear	585	2.1	30	12	130°	.36	.31	.27	.22
696-SSL-LXA1725GC	SSL-LXA1725GC-TR	B	Green	Water Clear	565	2.1	25	25	130°	.32	.28	.24	.20
696-SSL-LXA3025IGC	SSL-LXA3025IGC-TR	B	Red/Green	Water Clear	635/565	2.0/2.1	30/25	12/20	130°	.72	.63	.54	.45
696-SSL-LXA3025YGC	SSL-LXA3025YGC-TR	B	Yellow/Green	Water Clear	585/565	2.1	30/25	12	130°	.68	.59	.51	.42
1.2 mm x 3.2mm													
696-CCL-LX45SRT	CCL-LX45SRT	C	Super Red	Red Transparent	660	1.8	30	8	180°	1.28	1.12	.96	.80
696-CCL-LX45IT	CCL-LX45IT	C	Red	Red Transparent	635	2.1	30	7.2	180°	.84	.735	.63	.525
696-CCL-LX45YT	CCL-LX45YT	C	Yellow	Yellow Transparent	585	2.3	30	7	180°	.84	.735	.63	.525
696-CCL-LX45GT	CCL-LX45GT	C	Green	Green Transparent	565	2.2	30	7	180°	.84	.735	.63	.525
2.5mm x 3mm													
696-CCL-CRS10R	CCL-CRS10R	D	Red	Water Clear	635	2	25	4	180°	.72	.51	.43	.38
696-CCL-CRS10Y	CCL-CRS10Y	D	Yellow	Water Clear	585	2.1	30	8	180°	.72	.51	.43	.38
696-CCL-CRS10G	CCL-CRS10G	D	Green	Water Clear	565	2	25	12	180°	.69	.51	.43	.38
696-SML-LX23SRC	SML-LX23SRC-TR	D	Super Red	Water Clear	660	1.8	30	100	90°	.48	.42	.36	.30
696-SML-LX23IC	SML-LX23IC-TR	D	Red	Water Clear	635	2	30	20	120°	.40	.35	.30	.25
696-SML-LX23YC	SML-LX23YC-TR	D	Yellow	Water Clear	585	2.1	30	20	120°	.40	.35	.30	.25
696-SML-LX23GC	SML-LX23GC-TR	D	Green	Water Clear	565	2.1	25	20	120°	.40	.35	.30	.25
T1 (3mm) Right Angle													
696-SSF-LXH305ID	SSF-LXH305ID-TR	E	Red	Red Diffused	635	2	30	40	60°	.76	.66	.57	.47
696-SSF-LXH305YD	SSF-LXH305YD-TR	E	Yellow	Yellow Diffused	585	2.1	30	30	60°	.76	.66	.57	.47
696-SSF-LXH305GD	SSF-LXH305GD-TR	E	Green	Green Diffused	565	2.2	25	30	60°	.76	.66	.57	.47
696-SSF-LXH305USBD	SSF-LXH305USBD-TR	E	Ultra Super Blue	Blue Diffused	470	3.5	30	80	60°	6.48	5.67	4.86	4.05
696-SSF-LXH305SID	SSF-LXH305SID-TR	E	Super Intensity Red	Red Diffused	636	2	30	100	60°	2.36	2.06	1.77	1.47
696-SSF-LXH305SYD	SSF-LXH305SYD-TR	E	Super Yellow	Yellow Diffused	590	2.1	30	250	60°	1.96	1.71	1.47	1.22
T1 (3mm)													
696-HM1530SRD-305	SMF-HM1530SRD-305	F	Super Red	Red Diffused	660	1.7	30	80	60°	.80	.70	.60	.50
T1 3/4 (5mm) Right Angle													
696-HM1530GD-509	SMF-HM1530GD-509	G	Green	Green Diffused	565	2.2	25	30	60°	.68	.59	.51	.42
T1 3/4 (5mm)													
696-SML-LXL505SRC	SML-LXL505SRC-TR	H	Super Red	Water Clear	660	1.7	30	400	30°	.44	.38	.33	.27
696-SML-LXL505SOC	SML-LXL505SOC-TR	H	Super Orange	Water Clear	610	2	30	1500	30°	.44	.38	.33	.27
696-SML-LXL505SYC	SML-LXL505SYC-TR	H	Super Yellow	Water Clear	590	2.1	30	1200	30°	.44	.38	.33	.27
696-SML-LXL505SUGC	SML-LXL505SUGC-TR	H	Super Ultra Green	Water Clear	574	2.2	25	100	30°	.48	.42	.36	.30
696-SML-LXL505USBC	SML-LXL505USBC-TR	H	Ultra Super Blue	Water Clear	470	3.5	30	800	30°	4.00	3.50	3.00	2.50

LUMEX SMD LEDs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

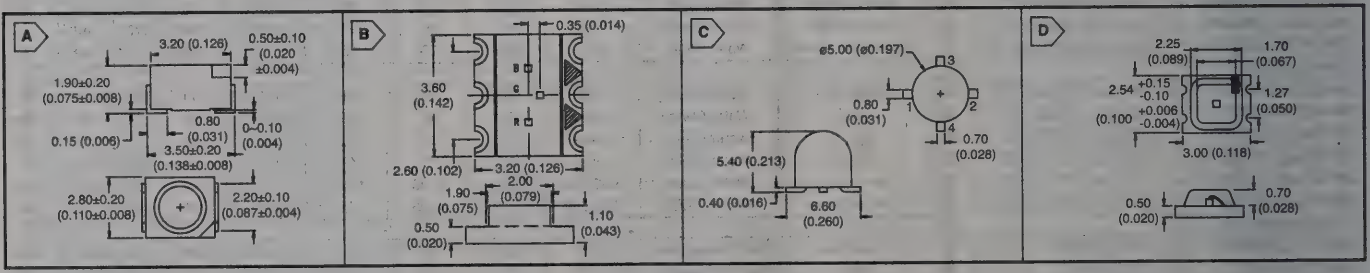
DIMENSIONS mm (in.)


A
1.40 (0.055)
3.60 (0.142)
4.00 (0.157)
ø2.40 (ø0.094)
4.00 (0.157)
2.60 (0.102)
1.00 (0.039)
2.54 (0.100)
B
2.00 (0.079)
2.00 (0.079)
1.40 (0.055)
2.70 (0.106)
0.80 (0.031)
1.40 (0.055)
0.100 (0.004)
0.15 (0.006)
3.00 (0.118)
C
4.20 (0.165)
0.50 (0.020)
2.00 (0.079)
0.40 (0.016)
ø1.90 (ø0.075)
1.10 (0.043)
2.50 (0.098)
2.80±0.20 (0.110±0.008)
1.40 (0.055)
0.13 (0.005) Max.

LUMEX SUPER BRIGHT SURFACE MOUNT LEDS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
3.6 x 4 mm Right Angle													
696-SML-LXR44SRC	SML-LXR44SRC-TR	A	Super Red	Water Clear	660	1.7	30	80	90°	.68	.59	.51	.42
696-SML-LXR44IC	SML-LXR44IC-TR	A	Red	Water Clear	635	2	30	25	90°	.56	.49	.42	.35
696-SML-LXR44YC	SML-LXR44YC-TR	A	Yellow	Water Clear	585	2.1	30	9	90°	.56	.49	.42	.35
696-SML-LXR44GC	SML-LXR44GC-TR	A	Green	Water Clear	565	2.2	25	25	90°	.56	.49	.42	.35
2mm x 3mm													
696-SML-LX23USBC	SML-LX23USBC-TR	B	Ultra Super Blue	Water Clear	470	3.5	30	60	90°	3.24	2.83	2.43	2.02
696-SML-LX23SIC	SML-LX23SIC-TR	B	Super Intensity Red	Water Clear	636	2	30	300	90°	.92	.80	.69	.57
696-SML-LX23SOC	SML-LX23SOC-TR	B	Super Orange	Water Clear	610	2.45	30	300	90°	.92	.80	.69	.57
696-SML-LX23SUGC	SML-LX23SUGC-TR	B	Super Ultra Green	Water Clear	574	2.2	25	80	90°	1.28	1.12	.96	.80
2mm x 2.5mm Gull Wing													
696-SSL-LXA228SIC	SSL-LXA228SIC-TR11	C	Super Intensity Red	Water Clear	632	2	30	475	50°	.80	.70	.60	.50
696-SSL-LXA228SOC	SSL-LXA228SOC-TR11	C	Super Orange	Water Clear	610	2	30	700	25°	.80	.70	.60	.50
696-SSL-LXA228SYC	SSL-LXA228SYC-TR11	C	Super Yellow	Water Clear	590	2	30	300	25°	.52	.45	.39	.32
696-SSL-LXA228SUGC	SSL-LXA228SUGCTR11	C	Green	Water Clear	574	2.2	30	200	30°	.52	.45	.39	.32
696-SSL-LXA228USBC	SSL-LXA228USBCTR11	C	Blue	Water Clear	470	3.5	30	250	30°	4.60	4.02	3.45	2.87


A
3.20 (0.126)
0.50±0.10 (0.020 ±0.004)
1.90±0.20 (0.075±0.008)
0.80 (0.031)
0–0.10 (0.004)
0.15 (0.006)
3.50±0.20 (0.138±0.008)
2.80±0.20 (0.110±0.008)
2.20±0.10 (0.087±0.004)
B
0.35 (0.014)
3.60 (0.142)
B
G
R
2.60 (0.102)
3.20 (0.126)
1.90 (0.075)
2.00 (0.079)
1.10 (0.043)
0.50 (0.020)
C
ø5.00 (ø0.197)
3
0.80 (0.031)
1
2
4
0.70 (0.028)
5.40 (0.213)
0.40 (0.016)
6.60 (0.260)
D
2.25 (0.089)
1.70 (0.067)
2.54 (0.100)
+0.15 -0.10
+0.006 -0.004)
1.27 (0.050)
3.00 (0.118)
0.50 (0.020)
0.70 (0.028)

LUMEX SURFACE MOUNT LEDS

RGB (Red, Green, Blue)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
2.8x3.2mm													
696-LX2832SISUGSBC	SML-LX2832SISUGSBC	A	Red Green Blue	Water Clear	660 574 470	1.7 2.2 3.5	30 25 30	110 60 60	120°	2.56	2.24	1.92	1.60
3.2x3.6mm													
696-LX3632SISUGSBC	SML-LX3632SISUGSBC	B	Red Green Blue	Water Clear	660 574 470	1.8 2.2 3.5	30 25 30	75 60 50	120°	2.56	2.24	1.92	1.60
5x5mm													
696-LXL5550SRSGSBW	SML-LXL5550SRSGSBW	C	Red Green Blue	White Diffused	660 565 430	1.7 2.1 3.8	30 25 30	9 9 8	120°	8.10	7.09	6.08	5.49

White SMD

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
2.8mm x 3.2mm													
696-SML-LX2832UWC	SML-LX2832UWC-TR	A	White	Water Clear	-	3.6	30	150	120°	4.48	3.92	3.36	2.80
2mm x 3mm													
696-SML-LX23UWC	SML-LX23UWC-TR	D	White	Water Clear	-	3.6	30	40	120°	4.48	3.92	3.36	2.80

LUMEX LED Panel Mount Indicators

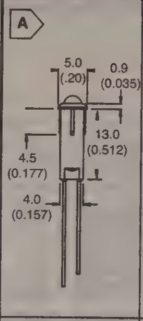
Products may be RoHS compliant.
Check mouser.com for RoHS status.

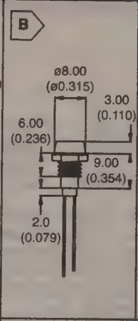
LUMEX LED INDICATORS

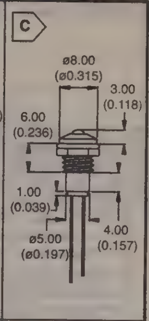
DIMENSIONS mm (in.)

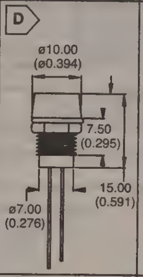
For quantities of 2000 and up, call for quote.

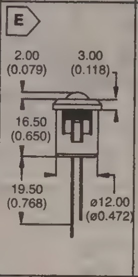
MOUSER STOCK NO.	Lumex Part No.	Fig.	Emitted Color	Peak Wave-length (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	View Angle	Price Each			
									1	100	500	1000
T1 (3mm) Straight Terminals												
696-SSI-LXH312ID	SSI-LXH312ID	A	Red	635	2	30	10	80°	.42	.35	.28	.24
696-SSI-LXR1612SRD	SSI-LXR1612SRD	B	Super Red	660	1.7	30	70	80°	1.50	1.25	1.00	.87
696-SSI-LXR1612ID	SSI-LXR1612ID	B	Red	635	2	30	40	60°	1.20	1.00	.80	.70
696-SSI-LXR1612YD	SSI-LXR1612YD	B	Yellow	585	2.1	30	30	60°	1.20	1.00	.80	.70
696-SSI-LXR1612GD	SSI-LXR1612GD	B	Green	565	2.1	25	30	60°	1.20	1.00	.80	.70
696-SSI-LXR3612SRD	SSI-LXR3612SRD	C	Super Red	660	1.7	30	65	80°	1.50	1.25	1.00	.87
696-SSI-LXR3612ID	SSI-LXR3612ID	C	Red	635	2	30	10	80°	1.20	1.00	.80	.70
696-SSI-LXR3612YD	SSI-LXR3612YD	C	Yellow	585	2	30	10	80°	1.20	1.00	.80	.70
696-SSI-LXR3612GD	SSI-LXR3612GD	C	Green	565	2.2	25	30	60°	1.20	1.00	.80	.70
T1 3/4 (5mm) Straight Terminals												
696-SSI-LXR4815SRD	SSI-LXR4815SRD	D	Super Red	660	1.7	30	40	60°	1.41	1.17	.94	.82
696-SSI-LXR4815ID	SSI-LXR4815ID	D	Red	635	2	30	40	60°	1.26	1.05	.84	.73
696-SSI-LXR4815YD	SSI-LXR4815YD	D	Yellow	585	2.1	30	20	60°	1.26	1.05	.84	.73
696-SSI-LXR4815GD	SSI-LXR4815GD	D	Green	565	2.2	25	30	60°	1.26	1.05	.84	.73
8mm Straight Terminals												
696-SSI-LXH8080SRD	SSI-LXH8080SRD	E	Super Red	660	1.7	30	80	60°	1.02	.85	.68	.59
696-SSI-LXH8080ID	SSI-LXH8080ID	E	Red	635	2	30	40	60°	.84	.70	.56	.49
696-SSI-LXH8080YD	SSI-LXH8080YD	E	Yellow	585	2.1	30	30	60°	.84	.70	.56	.49
696-SSI-LXH8080GD	SSI-LXH8080GD	E	Green	565	2.2	25	30	60°	.84	.70	.56	.49
10mm Straight Terminals												
696-SSI-LXH1090SRD	SSI-LXH1090SRD	F	Super Red	660	1.7	30	80	60°	1.17	.97	.78	.68
696-SSI-LXH1090ID	SSI-LXH1090ID	F	Red	635	2	30	40	60°	1.02	.85	.68	.59
696-SSI-LXH1090YD	SSI-LXH1090YD	F	Yellow	585	2.1	30	30	60°	1.02	.85	.68	.59
696-SSI-LXH1090GD	SSI-LXH1090GD	F	Green	565	2.2	25	30	60°	1.02	.85	.68	.59
Square Straight Terminals												
696-SSI-LXH55ID	SSI-LXH55ID	G	Red	635	2	30	10	80°	.60	.50	.40	.35
696-SSI-LXH55YD	SSI-LXH55YD	G	Yellow	585	2.1	30	10	80°	.60	.50	.40	.35
696-SSI-LXH55GD	SSI-LXH55GD	G	Green	565	2.2	25	10	80°	.57	.47	.38	.33
Rectangular Straight Terminals												
696-SSI-LXMP059ID	SSI-LXMP059ID	H	Red	635	2.1	30	10	80°	.63	.52	.42	.36
696-SSI-LXMP059GD	SSI-LXMP059GD	H	Green	565	2.1	25	10	80°	.63	.52	.42	.36
696-SSI-LXH072SRD	SSI-LXH072SRD	I	Super Red	660	1.7	30	50	52°	1.17	.97	.78	.68
696-SSI-LXH072ID	SSI-LXH072ID	I	Red	635	2	30	15	52°	.84	.70	.56	.49
696-SSI-LXH072YD	SSI-LXH072YD	I	Yellow	585	2.1	30	9	52°	.87	.72	.58	.50
696-SSI-LXH072GD	SSI-LXH072GD	I	Green	565	2.2	25	9	52°	.84	.70	.56	.49
3mm (T1) 6" Leads												
696-LXH312GD-150	SSI-LXH312GD-150	J	Green	565	2.1	25	10	80°	.81	.67	.54	.47
696-LXH312ID-150	SSI-LXH312ID-150	J	Red	635	2	30	10	80°	.81	.67	.54	.47
696-LXH312SYD-150	SSI-LXH312SYD-150	J	Yellow	685	2.1	30	30	60°	.81	.67	.54	.47
696-LXH312SID-150	SSI-LXH312SID-150	J	Red	636	2	25	100	60°	1.71	1.42	1.14	.99
696-RM3091GD-150	SSI-RM3091GD-150	K	Green	565	2.2	25	30	60°	2.37	1.97	1.58	1.38
696-RM3091ID-150	SSI-RM3091ID-150	K	Red	635	2	30	40	60°	2.37	1.97	1.58	1.38
696-RM3091SID-150	SSI-RM3091SID-150	K	AllnGap Red	636	2	30	100	60°	2.97	2.47	1.98	1.73
696-RM3091SRD-150	SSI-RM3091SRD-150	K	Super Red	660	1.7	30	100	60°	2.97	2.47	1.98	1.73
696-RM3091SUGD-150	SSI-RM3091SUGD-150	K	Sup. Ult. Green	574	2.2	25	50	60°	3.60	3.00	2.40	2.10
696-RM3091SYD-150	SSI-RM3091SYD-150	K	Super Yellow	590	2.1	30	100	60°	2.97	2.47	1.98	1.73
696-RM3091USBD-150	SSI-RM3091USBD-150	K	Ult. Sup. Blue	470	3.5	30	80	60°	8.37	6.97	5.58	4.88
696-RM3091YD-150	SSI-RM3091YD-150	K	Yellow	565	2.1	30	30	60°	2.37	1.97	1.58	1.38
3mm (T1) Chrome, 6" Leads												
696-LXR3612SID-150	SSI-LXR3612SID-150	L	Red	636	2	25	100	60°	3.87	3.22	2.58	2.25
696-LXR3612SYD-150	SSI-LXR3612SYD-150	L	Yellow	590	2	25	100	60°	3.87	3.22	2.58	2.25
696-LXR3612USBD150	SSI-LXR3612USBD-150	L	Blue	470	3.5	25	60	60°	8.91	7.42	5.94	5.19
5mm (T1 3/4) 6" Leads												
696-LXH600GD-150	SSI-LXH600GD-150	M	Green	565	2.2	25	30	60°	.81	.67	.54	.47
696-LXH600HGW-150	SSI-LXH600HGW-150	M	Red/Green	700/565	2.0/2.2	25	6/25	60°	1.05	.87	.70	.61
696-LXH600ID-150	SSI-LXH600ID-150	M	Red	635	2	30	40	60°	.81	.67	.54	.47
696-LXH600SID-150	SSI-LXH600SID-150	M	Red	636	2	25	100	60°	1.47	1.22	.98	.85
696-LXH600SYD-150	SSI-LXH600SYD-150	M	Yellow	590	2	25	100	60°	1.47	1.22	.98	.85
696-LXH600USBD-150	SSI-LXH600USBD-150	M	Blue	470	3.5	25	60	60°	5.97	4.97	3.98	3.48
696-SSI-LXH9GD-150	SSI-LXH9GD-150	N	Green	565	2.2	25	30	60°	1.20	1.00	.80	.70
696-SSI-LXH9ID-150	SSI-LXH9ID-150	N	Red	635	2	25	10	60°	1.20	1.00	.80	.70
696-LXH9SRD-150	SSI-LXH9SRD-150	N	Super Red	660	1.7	30	80	60°	1.38	1.15	.92	.80
696-SSI-LXH9YD-150	SSI-LXH9YD-150	N	Yellow	585	2.1	30	30	60°	1.20	1.00	.80	.70
5mm (T1 3/4) Chrome, 6" Leads												
696-LXR3816SID-150	SSI-LXR3816SID-150	O	Red	636	2.0	25	100	60°	3.87	3.22	2.58	2.25
696-LXR3816SYD-150	SSI-LXR3816SYD-150	O	Yellow	590	2	25	100	60°	3.87	3.22	2.58	2.25
696-LXR3816USBD150	SSI-LXR3816USBD150	O	Blue	470	3.5	25	60	60°	8.91	7.42	5.94	5.19
696-LXR4815SID-150	SSI-LXR4815SID-150	P	Red	636	2	25	100	60°	3.42	2.85	2.28	1.99
696-LXR4815SYD-150	SSI-LXR4815SYD-150	P	Yellow	590	2	25	100	60°	3.42	2.85	2.28	1.99
696-LXR4815USBD150	SSI-LXR4815USBD150	P	Blue	470	3.5	25	60	60°	5.97	4.97	3.98	3.48
5mm (T1 3/4) Black, 6" Leads												
696-LXR5010SID-150	SSI-LXR5010SID-150	Q	Red	636	2	25	100	60°	2.55	2.12	1.70	1.48
696-LXR5010SYD-150	SSI-LXR5010SYD-150	Q	Yellow	590	2	25	100	60°	2.55	2.12	1.70	1.48
696-LXR5010USBD150	SSI-LXR5010USBD-150	Q	Blue	470	3.5	25	60	60°	4.38	3.65	2.92	2.55
696-LXR5020SID-150	SSI-LXR5020SID-150	R	Red	636	2	25	100	60°	2.55	2.12	1.70	1.48
696-LXR5020SYD-150	SSI-LXR5020SYD-150	R	Yellow	590	2	25	100	60°	2.55	2.12	1.70	1.48
696-LXR5020USBD150	SSI-LXR5020USBD150	R	Blue	470	3.5	25	60	60°	4.38	3.65	2.92	2.55
696-LXR5020SPGD150	SSI-LXR5020SUGD150	R	Green	574	2.2	25	50	60°	2.61	2.18	1.74	1.52

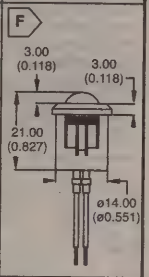

A
5.0
(.20)
0.9
(0.035)
13.0
(0.512)
4.5
(0.177)
4.0
(0.157)

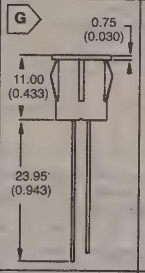

B
ø8.00
(ø0.315)
3.00
(0.110)
6.00
(0.236)
9.00
(0.354)
2.0
(0.079)

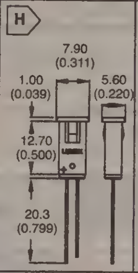

C
ø8.00
(ø0.315)
3.00
(0.118)
6.00
(0.236)
1.00
(0.039)
ø5.00
(ø0.197)
4.00
(0.157)

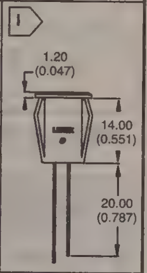

D
ø10.00
(ø0.394)
7.50
(0.295)
15.00
(0.591)
ø7.00
(0.276)

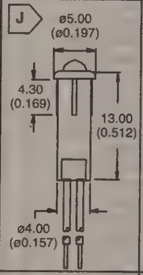

E
2.00
(0.079)
3.00
(0.118)
16.50
(0.650)
19.50
(0.768)
ø12.00
(ø0.472)

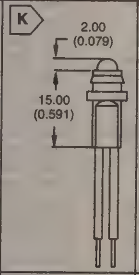

F
3.00
(0.118)
3.00
(0.118)
21.00
(0.827)
ø14.00
(ø0.551)

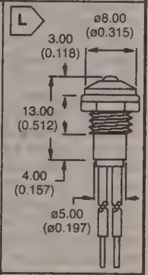

G
0.75
(0.030)
11.00
(0.433)
23.95
(0.943)

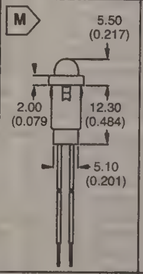

H
7.90
(0.311)
1.00
(0.039)
5.60
(0.220)
12.70
(0.500)
20.3
(0.799)

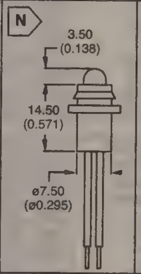

I
1.20
(0.047)
14.00
(0.551)
20.00
(0.787)

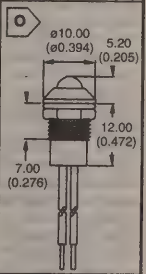

J
ø5.00
(ø0.197)
4.30
(0.169)
13.00
(0.512)
ø4.00
(ø0.157)

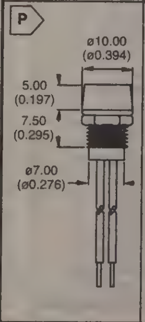

K
2.00
(0.079)
15.00
(0.591)

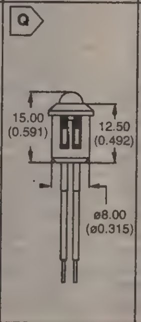

L
ø8.00
(ø0.315)
3.00
(0.118)
13.00
(0.512)
4.00
(0.157)
ø5.00
(ø0.197)

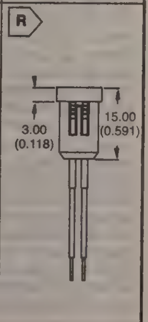

M
5.50
(0.217)
2.00
(0.079)
12.30
(0.484)
5.10
(0.201)


N
3.50
(0.138)
14.50
(0.571)
ø7.50
(ø0.295)


O
ø10.00
(ø0.394)
5.20
(0.205)
12.00
(0.472)
7.00
(0.276)


P
ø10.00
(ø0.394)
5.00
(0.197)
7.50
(0.295)
ø7.00
(ø0.276)


Q
15.00
(0.591)
12.50
(0.492)
ø8.00
(ø0.315)

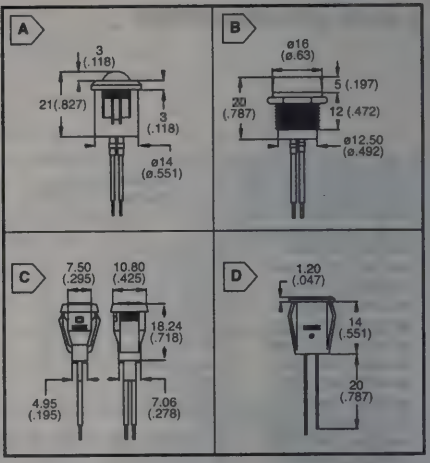

R
3.00
(0.118)
15.00
(0.591)

LUMEX LED Panel Mount Indicators and LEDs

RoHS Compliant This page of product is compliant.

LUMEX LED PANEL MOUNT INDICATORS (CONT.)

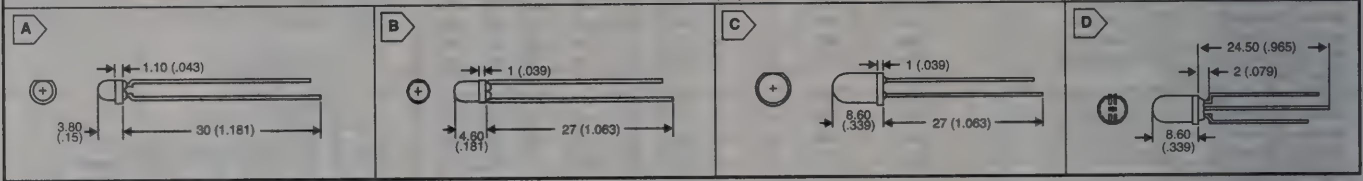
DIMENSIONS: mm (in.)



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Emitted Color	Peak Wave-length (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	View Angle	Price Each			
									1	100	500	1000
10mm 6" Terminals												
696-LXH1090SID-150	SSI-LXH1090SID-150	A	Red	636	2	25	100	60°	2.76	2.30	1.84	1.61
696-LXH1090SYD-150	SSI-LXH1090SYD-150	A	Yellow	590	2	25	100	60°	2.76	2.30	1.84	1.61
696-LXR4915SID-150	SSI-LXR4915SID-150	B	Red	636	2	25	100	60°	3.90	3.25	2.60	2.27
696-LXR4915SYD-150	SSI-LXR4915SYD-150	B	Yellow	590	2	25	100	60°	3.90	3.25	2.60	2.27
696-LXR4915USBD150	SSI-LXR4915USBD150	B	Blue	470	3.5	25	60	60°	6.21	5.17	4.14	3.62
12mm Square ESD Safe, 6" Leads												
696-LXMP5011GC-150	SSI-LXMP5011GC-150	C	Green	565	2.2	25	15	60°	1.80	1.50	1.20	1.05
696-LXMP5011IC-150	SSI-LXMP5011IC-150	C	Red	635	2	30	20	60°	1.80	1.50	1.20	1.05
696-LXMP5011SRC150	SSI-LXMP5011SRC150	C	Super Red	660	1.7	25	60	60°	2.07	1.72	1.38	1.20
696-LXMP5011YC-150	SSI-LXMP5011YC-150	C	Yellow	585	2.1	30	15	60°	1.80	1.50	1.20	1.05
Rectangular 6" Leads Terminals												
696-LXH072SID-150	SSI-LXH072SID-150	D	Red	636	2	25	80	80°	2.04	1.70	1.36	1.19
696-LXH072SYD-150	SSI-LXH072SYD-150	D	Yellow	590	1.8	25	80	80°	2.04	1.70	1.36	1.19

DIMENSIONS: mm (in.)



LUMEX LEDS

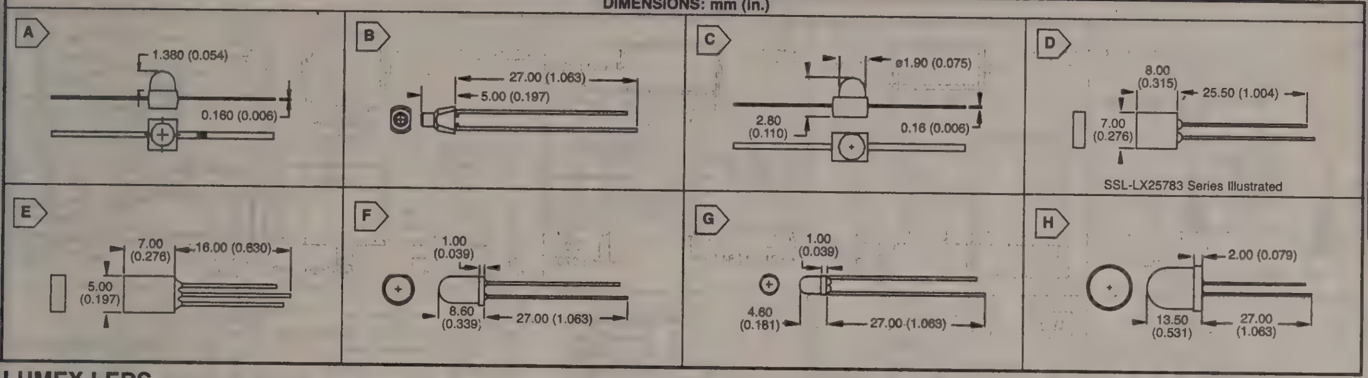
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
T1 (3mm)													
696-SSL-LX3034ID	SSL-LX3034ID	A	Red	Red Diffused	635	2	25	10	60°	.21	.17	.14	.12
696-SSL-LX3034YD	SSL-LX3034YD	A	Yellow	Yellow Diffused	585	2.1	30	10	60°	.15	.12	.10	.08
696-LX3044ID-12V	SSL-LX3044ID-12V	B	Red	Red Diffused	635	12	20	5	80°	.27	.22	.18	.15
696-LX3044GD-12V	SSL-LX3044GD-12V	B	Green	Green Diffused	565	12	20	6	80°	.27	.22	.18	.15
696-SSLLX3044ID-5V	SSL-LX3044ID-5V	B	Red	Red Diffused	635	5	20	5	80°	.27	.22	.18	.15
696-SSLLX3044YD-5V	SSL-LX3044YD-5V	B	Yellow	Yellow Diffused	585	5	20	5	80°	.27	.22	.18	.15
696-SSLLX3044GD-5V	SSL-LX3044GD-5V	B	Green	Green Diffused	565	5	20	6	80°	.27	.22	.18	.15
696-SSL-LX3044HD	SSL-LX3044HD	B	Dark Red	Red Diffused	700	2	25	8	60°	.12	.10	.08	.07
696-SSLLX3044SRC/D	SSL-LX3044SRC/D	B	Super Red	Water Clear	660	1.8	30	600	30°	.21	.18	.14	.12
696-SSL-LX3044IC	SSL-LX3044IC	B	Red	Water Clear	635	2.1	30	125	30°	.15	.12	.10	.08
696-SSL-LX3044ID	SSL-LX3044ID	B	Red	Red Diffused	635	2	30	30	60°	.12	.10	.08	.07
696-SSL-LX3044IT	SSL-LX3044IT	B	Red	Red Trans.	635	2	30	30	20°	.15	.13	.10	.09
696-SSL-LX3044AD	SSL-LX3044AD	B	Amber	Amber Diffused	605	2.1	30	15	60°	.15	.12	.10	.08
696-SSL-LX3044YC	SSL-LX3044YC	B	Yellow	Water Clear	585	2.1	30	90	30°	.15	.12	.10	.08
696-SSL-LX3044YD	SSL-LX3044YD	B	Yellow	Yellow Diffused	585	2.1	30	30	60°	.15	.12	.10	.08
696-SSL-LX3044YT	SSL-LX3044YT	B	Yellow	Yellow Trans.	585	2.1	30	40	20°	.15	.12	.10	.08
696-SSL-LX3044GC	SSL-LX3044GC	B	Green	Water Clear	565	2.2	25	100	30°	.12	.10	.08	.07
696-SSL-LX3044GD	SSL-LX3044GD	B	Green	Green Diffused	565	2.2	25	40	60°	.12	.10	.08	.07
696-SSL-LX3044GT	SSL-LX3044GT	B	Green	Green Trans.	565	2.1	25	40	20°	.12	.10	.08	.07
696-SSL-LX3044PGD	SSL-LX3044PGD	B	Pure Green	Green Diffused	555	2.2	25	20	60°	.15	.12	.10	.08
696-SSL-LX3044LID	SSL-LX3044LID	B	Red	Red Diffused	635	2	30	30	60°	.15	.12	.10	.08
696-SSL-LX3044LYD	SSL-LX3044LYD	B	Yellow	Yellow Diffused	585	2.1	30	30	60°	.15	.12	.10	.08
696-SSL-LX3044LGD	SSL-LX3044LGD	B	Green	Green Diffused	565	2.2	25	30	60°	.12	.10	.08	.07
T1 3/4 (5mm)													
696-SSLLX5093GD12V	SSL-LX5093GD-12V	C	Green	Green Diffused	565	12	12	8	80°	.27	.23	.18	.16
696-SSLLX5093HD-5V	SSL-LX5093HD-5V	C	Red	Red Diffused	695	5	10	3	80°	.27	.23	.18	.16
696-SSLLX5093ID-5V	SSL-LX5093ID-5V	C	Red	Red Diffused	635	5	12	10	80°	.27	.23	.18	.16
696-SSLLX5093GD-5V	SSL-LX5093GD-5V	C	Green	Green Diffused	565	5	12	10	80°	.27	.23	.18	.16
696-SSL-LX5093HD	SSL-LX5093HD	C	Red	Red Diffused	700	2.1	25	6	60°	.12	.10	.08	.07
696-SSL-LX5093HT	SSL-LX5093HT	C	Red	Red Trans.	695	2	25	25	30°	.12	.10	.08	.07
696-LX5093SRD/D	SSL-LX5093SRD/D	C	Super Red	Red Diffused	660	1.7	30	250	60°	.21	.17	.14	.12
696-SSL-LX5093ID	SSL-LX5093ID	C	Red	Red Diffused	635	2	30	40	60°	.12	.10	.08	.07
696-SSL-LX5093IT	SSL-LX5093IT	C	Red	Red Trans.	635	2	30	80	30°	.15	.12	.10	.08
696-SSL-LX5093AD	SSL-LX5093AD	C	Amber	Amber Diffused	605	2	30	30	60°	.15	.12	.10	.08
696-SSL-LX5093YD	SSL-LX5093YD	C	Yellow	Yellow Diffused	585	2.1	30	30	60°	.15	.12	.10	.08
696-SSL-LX5093YT	SSL-LX5093YT	C	Yellow	Yellow Trans.	585	2.1	30	80	25°	.15	.12	.10	.08
696-SSL-LX5093GD	SSL-LX5093GD	C	Green	Green Diffused	565	2.2	25	30	60°	.12	.10	.08	.07
696-SSL-LX5093GT	SSL-LX5093GT	C	Green	Green Trans.	565	2.2	25	150	30°	.12	.10	.08	.07
696-SSL-LX5093PGD	SSL-LX5093PGD	C	Pure Green	Green Diffused	555	2.1	25	15	60°	.15	.12	.10	.08
696-SSL-LX5093LID	SSL-LX5093LID	C	Red	Red Diffused	635	2	30	20	80°	.15	.12	.10	.08
696-SSL-LX5093LYD	SSL-LX5093LYD	C	Yellow	Yellow Diffused	585	2.1	30	20	80°	.15	.12	.10	.08
696-SSL-LX5093LGD	SSL-LX5093LGD	C	Green	Green Diffused	565	2.2	25	30	60°	.12	.10	.08	.07
696-SSL-LX5093LGT	SSL-LX5093LGT	C	Green	Green Trans.	565	2.1	30	80	25°	.12	.10	.08	.07
696-SSL-LX5093XIC	SSL-LX5093XIC	C	Red	Water Clear	635	2	30	600	20°	.15	.12	.10	.08
696-SSL-LX5093XAC	SSL-LX5093XAC	C	Amber	Water Clear	610	2	30	600	20°	.15	.12	.10	.08
696-SSL-LX5093XGC	SSL-LX5093XGC	C	Green	Water Clear	565	2.2	25	250	20°	.15	.12	.10	.08
696-SSL-LX5093XPGC	SSL-LX5093XPGC	C	Green	Water Clear	555	2.2	25	45	20°	.30	.25	.20	.17
696-SSL-LX5097IGW	SSL-LX5097IGW	D	Red/Green	White Diffused	635/565	2.1	30/25	20	60°	.39	.33	.26	.23
696-LX5099SIUBSUGB	SSL-LX5099SIUBSUGB	D	Red/Green/Blue	Water Clear	636/574/470	1.9/2.1/3.65	30	600/450/150	30°	6.72	5.60	4.48	3.92

LUMEX LED Lamps

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm (in.)



LUMEX LEDS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
2mm Axial													
696-LXA227ID-5V	SSL-LXA227ID-5V	A	Red	Red Diffused	635	5	30	8	60°	.45	.38	.30	.26
696-LXA227YD-5V	SSL-LXA227YD-5V	A	Yellow	Yellow Diffused	585	5	20	8	60°	.51	.43	.34	.30
696-SSLLXA227GD-5V	SSL-LXA227GD-5V	A	Green	Green Diffused	565	5	30	8	60°	.36	.30	.24	.21
2mm Tapered													
696-SSL-LX20465YD	SSL-LX20465YD	B	Yellow	Yellow Diffused	585	2.1	30	10	70°	.15	.12	.10	.08
696-SSL-LX20465GD	SSL-LX20465GD	B	Green	Green Diffused	565	2.2	25	10	70°	.15	.12	.10	.08
2mm x 2.5mm													
696-SSL-LXA228SRC	SSL-LXA228SRC	C	Red	Water Clear	660	1.7	30	170	25°	.27	.23	.18	.16
696-SSL-LXA228SRD	SSL-LXA228SRD	C	Red	Red Diffused	660	1.7	30	100	50°	.24	.20	.16	.14
696-SSL-LXA228IC	SSL-LXA228IC	C	Red	Water Clear	635	2	30	30	25°	.27	.23	.18	.16
696-SSL-LXA228ID	SSL-LXA228ID	C	Red	Red Diffused	635	2	30	25	50°	.27	.23	.18	.16
696-SSL-LXA228YC	SSL-LXA228YC	C	Yellow	Water Clear	585	2	20	30	25°	.27	.23	.18	.16
696-SSL-LXA228SGC	SSL-LXA228SGC	C	Green	Water Clear	565	2.1	30	50	25°	.36	.30	.24	.21
696-SSL-LXA228GD	SSL-LXA228GD	C	Green	Green Diffused	565	2.1	25	12	25°	.24	.20	.16	.14
2mm x 5mm													
696-SSL-LX2573SRD	SSL-LX2573SRD	D	Sup. Red	Red Diffused	660	1.7	30	80	80°	.21	.17	.14	.12
696-SSL-LX2573ID	SSL-LX2573ID	D	Red	Red Diffused	635	2	30	10	110°	.12	.10	.08	.07
696-SSL-LX2573AD	SSL-LX2573AD	D	Amber	Amber Diffused	605	2.1	30	5	120°	.15	.12	.10	.08
696-SSL-LX2573YD	SSL-LX2573YD	D	Yellow	Yellow Diffused	585	2.1	30	10	80°	.15	.12	.10	.08
696-SSL-LX2573GD	SSL-LX2573GD	D	Green	Green Diffused	565	2.1	25	10	110°	.12	.10	.08	.07
696-SSL-LX2573PGD	SSL-LX2573PGD	D	Pure Green	Green Diffused	555	2.1	25	6	120°	.15	.12	.10	.08
696-SSL-LX2577IGW	SSL-LX2577IGW	E	Red/Green	White Diffused	635/565	2.1	30/25	6	110°	.30	.25	.20	.17
2.5mm x 7mm Rect.													
696-SSL-LX25783SRD	SSL-LX25783SRD	D	Sup. Red	Red Diffused	660	1.8	30	50	110°	.24	.20	.16	.14
696-SSL-LX25783ID	SSL-LX25783ID	D	Red	Red Diffused	635	2	30	9	80°	.15	.12	.10	.08
696-SSL-LX25783YD	SSL-LX25783YD	D	Yellow	Yellow Diffused	585	2.1	30	4	110°	.15	.12	.10	.08
696-SSL-LX25783GD	SSL-LX25783GD	D	Green	Green Diffused	565	2.2	25	35	110°	.15	.12	.10	.08
4mm x 7mm Rect.													
696-LX4673ID-LA20	SSL-LX4673ID-LA20	- -	Red	Red Diffused	635	2	20	12	120°	.30	.25	.20	.17
696-LX4673YD-LA20	SSL-LX4673YD-LA20	- -	Yellow	Yellow Diffused	585	2.1	30	6	120°	.30	.25	.20	.17
696-LX4673GD-LA20	SSL-LX4673GD-LA20	- -	Green	Green Diffused	565	2.1	25	6	120°	.30	.25	.20	.17

LUMEX HIGH BRIGHTNESS LEDS

For quantities of 2000 and up, call for quote.

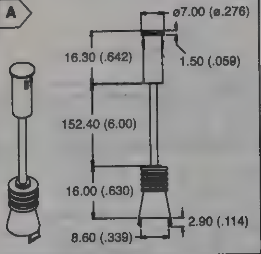
MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
T1 (3mm)													
696-SSL-LX3044SOC	SSL-LX3044SOC	F	Super Orange	Water Clear	620	2	30	1000	30°	.48	.40	.32	.28
696-SSL-LX3044SYC	SSL-LX3044SYC	F	Super Yellow	Water Clear	590	2.1	30	1000	30°	.48	.40	.32	.28
696-SSL-LX3044UEGC	SSL-LX3044UEGC	F	Green	Water Clear	502	3.5	25	1100	30°	2.73	2.28	1.82	1.59
696-SSLLX3054UWC/A	SSL-LX3054UWC/A	F	White	Water Clear	-	3.6	30	1100	20°	3.24	2.70	2.16	1.89
696-SSL-LX3044USBC	SSL-LX3044USBC	F	Blue	Water Clear	470	3.5	30	1000	30°	2.25	1.87	1.50	1.31
696-SSL-LX3044USBD	SSL-LX3044USBD	F	Blue	Blue Diffused	470	3.5	30	80	60°	2.25	1.87	1.50	1.31
T1 3/4 (5mm)													
696-LX5093SRC/E	SSL-LX5093SRC/E	G	Super Red	Water Clear	660	1.7	30	2800	30°	.45	.37	.30	.26
696-LX5093SRC/DW	SSL-LX5093SRC/DW	G	Super Red	Water Clear	660	1.7	30	1800	30°	.45	.37	.30	.26
696-LX5093SRC/DV	SSL-LX5093SRC/DV	G	Super Red	Water Clear	660	1.7	30	1500	30°	.21	.17	.14	.12
696-SSL-LX5093SOC	SSL-LX5093SOC	G	Super Orange	Water Clear	610	2	30	2500	30°	.48	.40	.32	.28
696-SSL-LX5093SYC	SSL-LX5093SYC	G	Super Yellow	Water Clear	590	2.1	30	1000	30°	.48	.40	.32	.28
696-SSL-LX5093UEGC	SSL-LX5093UEGC	G	Green	Water Clear	502	3.5	25	1500	30°	2.73	2.28	1.82	1.59
696-SSLLX5093XRC/4	SSL-LX5093XRC/4	G	Red	Water Clear	660	1.7	30	2500	20°	.51	.42	.34	.29
696-SSL-LX5093XYC	SSL-LX5093XYC	G	Yellow	Water Clear	590	2.1	30	1300	20°	.57	.47	.38	.33
696-LX5093UWC/A	SSL-LX5093UWC/A	G	White	Water Clear	-	3.6	30	740	45°	3.24	2.70	2.16	1.89
696-SSL-LX5093XUWC	SSL-LX5093XUWC	G	White	Water Clear	-	3.6	30	2300	15°	3.24	2.70	2.16	1.89
696-SSL-LX5093USBC	SSL-LX5093USBC	G	Blue	Water Clear	470	3.5	30	1000	30°	2.25	1.87	1.50	1.31
696-SSL-LX5093USBD	SSL-LX5093USBD	G	Blue	Blue Diffused	470	3.5	30	300	60°	2.25	1.87	1.50	1.31
T1 3/4 (5mm) Blinking													
696-SSL-LX5093BGD	SSL-LX5093BGD	G	Green	Green Diffused	565	3	20	8	60°	.66	.55	.44	.38
696-SSL-LX5093BHD	SSL-LX5093BHD	G	Red	Red Diffused	700	9	25	8	60°	.66	.55	.44	.38
696-SSL-LX5093BID	SSL-LX5093BID	G	Red	Red Diffused	635	9	25	8	60°	.66	.55	.44	.38
696-SSL-LX5093BSRD	SSL-LX5093BSRD	G	Red	Red Diffused	660	9	25	40	60°	.75	.62	.50	.43
696-SSL-LX5093BYD	SSL-LX5093BYD	G	Yellow	Yellow Diffused	585	9	25	8	60°	.66	.55	.44	.38
10mm Dome													
696-LX100133USBD	SSL-LX100133USBD	H	Blue	Blue Diffused	470	3.5	30	300	60°	3.66	3.05	2.44	2.13

LUMEX LED Products

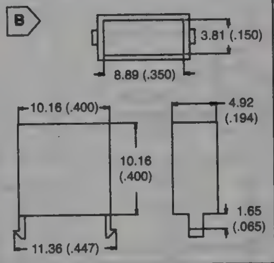
RoHS Compliant This page of product is compliant.

DIMENSIONS mm (IN.)

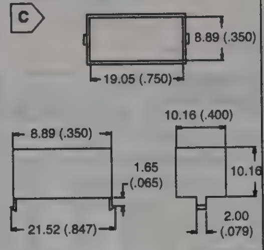
A


ø7.00 (ø.276)
16.30 (.642)
1.50 (.059)
152.40 (6.00)
16.00 (.630)
2.90 (.114)
8.60 (.339)

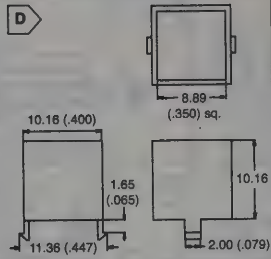
B


3.81 (.150)
8.89 (.350)
10.16 (.400)
4.92 (.194)
10.16 (.400)
1.65 (.065)
11.36 (.447)

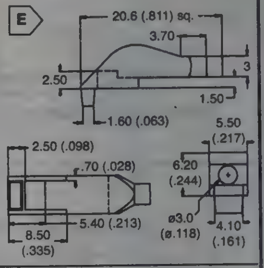
C


8.89 (.350)
19.05 (.750)
10.16 (.400)
8.89 (.350)
1.65 (.065)
10.16
21.52 (.847)
2.00 (.079)

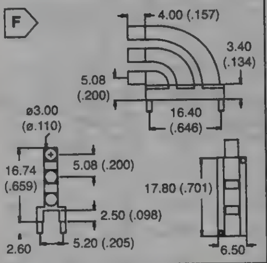
D


8.89 (.350) sq.
10.16 (.400)
1.65 (.065)
10.16
11.36 (.447)
2.00 (.079)

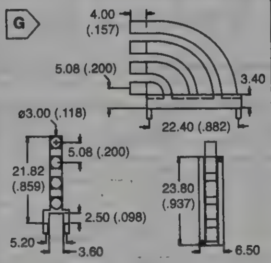
E


20.6 (.811) sq.
3.70
3
2.50
1.50
1.60 (.063)
5.50 (.217)
2.50 (.098)
.70 (.028)
6.20 (.244)
5.40 (.213)
ø3.0 (ø.118)
4.10 (.161)
8.50 (.335)

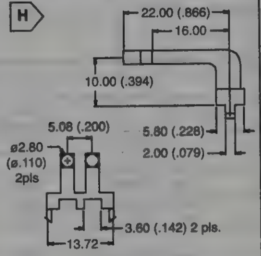
F


4.00 (.157)
3.40 (.134)
5.08 (.200)
16.40 (.646)
ø3.00 (ø.110)
16.74 (.659)
5.08 (.200)
17.80 (.701)
2.50 (.098)
2.60
5.20 (.205)
6.50

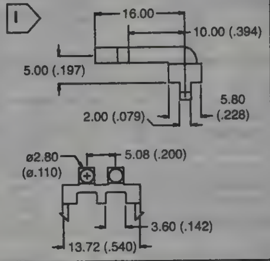
G


4.00 (.157)
5.08 (.200)
3.40
22.40 (.882)
ø3.00 (.118)
5.08 (.200)
21.82 (.859)
23.80 (.937)
2.50 (.098)
5.20
3.60
6.50

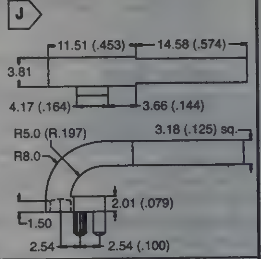
H


22.00 (.866)
16.00
10.00 (.394)
5.08 (.200)
5.80 (.228)
ø2.80 (ø.110) 2pls
2.00 (.079)
3.60 (.142) 2 pls.
13.72

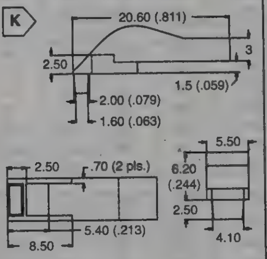
I


16.00
10.00 (.394)
5.00 (.197)
5.80 (.228)
2.00 (.079)
ø2.80 (ø.110)
5.08 (.200)
3.60 (.142)
13.72 (.540)

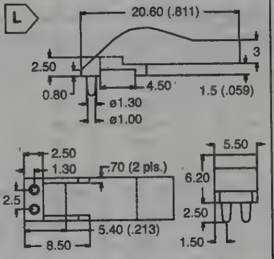
J


11.51 (.453)
14.58 (.574)
3.81
4.17 (.164)
3.66 (.144)
R5.0 (R.197)
3.18 (.125) sq.
R8.0
2.01 (.079)
1.50
2.54
2.54 (.100)

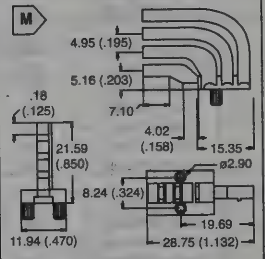
K


20.60 (.811)
3
2.50
1.5 (.059)
2.00 (.079)
1.60 (.063)
5.50
2.50
.70 (2 pls.)
6.20 (.244)
2.50
5.40 (.213)
4.10
8.50

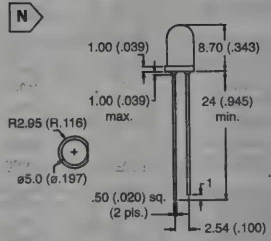
L


20.60 (.811)
3
2.50
4.50
1.5 (.059)
0.80
ø1.30
ø1.00
2.50
1.30
.70 (2 pls.)
5.50
6.20
2.5
2.50
5.40 (.213)
1.50
8.50

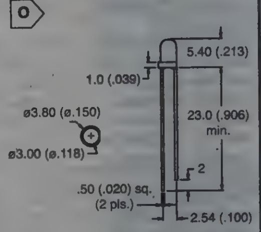
M


4.95 (.195)
5.16 (.203)
7.10
.18 (.125)
21.59 (.850)
4.02 (.158)
15.35
ø2.90
8.24 (.324)
19.69
11.94 (.470)
28.75 (1.132)

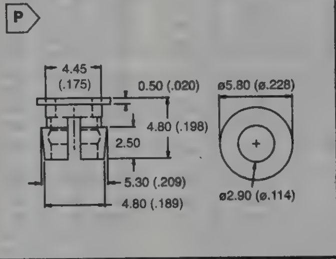
N


1.00 (.039)
8.70 (.343)
1.00 (.039) max.
24 (.945) min.
R2.95 (R.116)
ø5.0 (ø.197)
1
.50 (.020) sq. (2 pls.)
2.54 (.100)

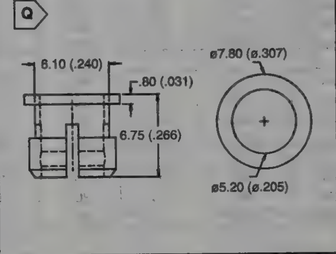
O


5.40 (.213)
1.0 (.039)
ø3.80 (ø.150)
23.0 (.906) min.
ø3.00 (ø.118)
2
.50 (.020) sq. (2 pls.)
2.54 (.100)

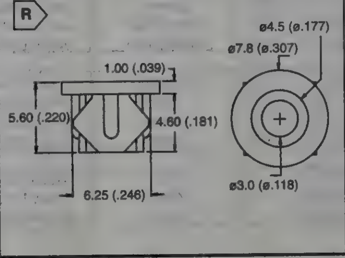
P


4.45 (.175)
0.50 (.020)
ø5.80 (ø.228)
4.80 (.198)
2.50
5.30 (.209)
4.80 (.189)
ø2.90 (ø.114)

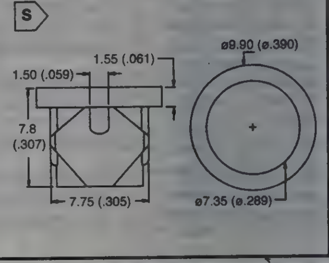
Q


8.10 (.240)
ø7.80 (ø.307)
.80 (.031)
6.75 (.266)
ø5.20 (ø.205)

R


ø4.5 (ø.177)
ø7.8 (ø.307)
1.00 (.039)
5.60 (.220)
4.60 (.181)
6.25 (.246)
ø3.0 (ø.118)

S


ø9.90 (ø.390)
1.55 (.061)
1.50 (.059)
7.8 (.307)
7.75 (.305)
ø7.35 (ø.289)

For quantities of 2000 and up, call for quote.

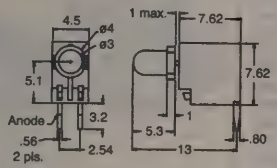
MOUSER STOCK NO.	Lumex Part No.	Fig.	Description	Price Each			
				1	100	500	1000
Light Pipes							
696-C011701S-150B	LPI-C011701S-150B	A	Blue Flexible Light Transporters	2.48	2.23	1.86	1.67
696-C011701S-150C	LPI-C011701S-150C	A	Clear Flexible Light Transporters	2.48	2.23	1.86	1.67
696-C011701S-150G	LPI-C011701S-150G	A	Green Flexible Light Transporters	2.48	2.23	1.86	1.67
696-LPB-R0111051S	LPB-R0111051S	B	10mm x 5mm	1.80	1.50	1.20	.90
696-LPB-R01120101S	LPB-R01120101S	C	20mm x 10mm	2.43	2.02	1.62	1.21
696-LPB-S01110101S	LPB-S01110101S	D	10mm x 10mm	2.07	1.72	1.38	1.03
696-LPF-C011301S	LPF-C011301S	E	3mm Right Angle	.72	.60	.48	.36
696-LPF-C011302S	LPF-C011302S	E	3mm Right Angle	.72	.60	.48	.36
696-LPF-C013301S	LPF-C013301S	F	Tri 3mm Right Angle	1.35	1.12	.90	.67
696-LPF-C014301S	LPF-C014301S	G	Quad 3mm Right Angle	1.44	1.20	.96	.72
696-LPF-C021303S	LPF-C021303S	H	2.8mm 2 Unit Stackable (Upper)	1.71	1.42	1.14	.85
696-LPF-C021304S	LPF-C021304S	I	2.8mm 2 Unit Stackable (Lower)	1.71	1.42	1.14	.85
696-LPF-R011331S	LPF-R011331S	J	3mm Right Angle	.39	.32	.26	.19
696-LPF-R011361S	LPF-R011361S	K	3mm Right Angle	.72	.60	.48	.36
696-LPF-R011362S	LPF-R011362S	L	3mm Right Angle	.72	.60	.48	.36
696-LPF-S014331S	LPF-S014331S	M	Quad 3mm Right Angle	.27	.22	.18	.13
Infrared Emitting Diode							
696-OED-EL-1L2	OED-EL-1L2	N	5mm IRED	.27	.22	.18	.13
696-OED-EL-8L	OED-EL-8L	O	3mm IRED	.27	.22	.18	.13
LED Mounting Hardware							
696-SSH-LX3050	SSH-LX3050	P	3mm LED Panel Holder	.10	.08	.07	.05
696-SSH-LX5090	SSH-LX5090	Q	5mm LED Panel Bezel	.10	.08	.07	.05
696-SSH-LX5091	SSH-LX5091	Q	5mm LED Panel Holder	.10	.08	.07	.05
696-SSH-LXH301	SSH-LXH301	R	3mm LED Panel Bezel	.10	.08	.07	.05
696-SSH-LXH501	SSH-LXH501	S	5mm LED Panel Bezel	.10	.08	.07	.05

LUMEX LED Circuit Board Indicators

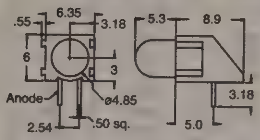
RoHS Compliant This page of product is compliant.

DIMENSIONS: mm

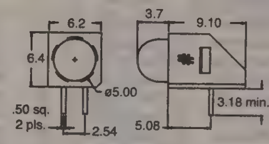
A


4.5
ø4
ø3
1 max.
7.62
5.1
7.62
Anode
3.2
1
.56
2 pls.
2.54
5.3
13
.80

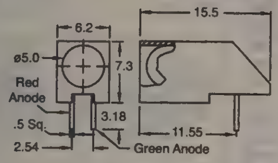
B


.55
6.35
3.18
5.3
8.9
6
3
Anode
ø4.85
3.18
2.54
.50 sq.
5.0

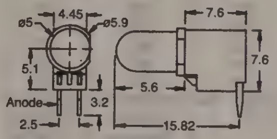
C


6.2
3.7
9.10
6.4
ø5.00
3.18 min.
.50 sq.
2 pls.
2.54
5.08

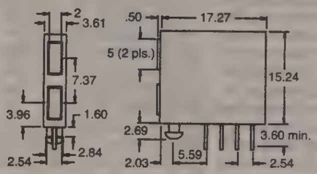
D


15.5
6.2
ø5.0
7.3
Red
Anode
3.18
.5 Sq.
11.55
2.54
Green Anode

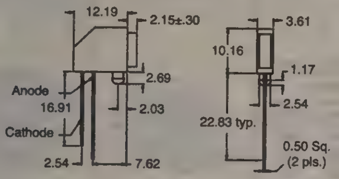
E


7.6
ø5
4.45
ø5.9
7.6
5.1
5.6
Anode
3.2
2.5
15.82

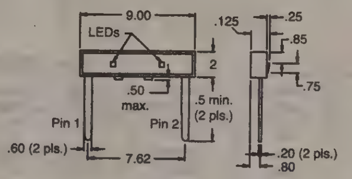
F


2
3.61
.50
17.27
5 (2 pls.)
7.37
15.24
3.96
1.60
2.69
3.60 min.
2.84
2.54
2.03
5.59
2.54

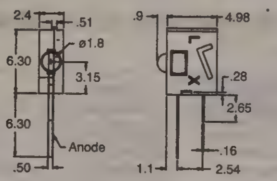
G


12.19
2.15±.30
3.61
10.16
2.69
1.17
Anode
16.91
2.03
2.54
22.83 typ.
Cathode
0.50 Sq.
(2 pls.)
2.54
7.62

H


9.00
.125
.25
LEDs
.85
2
.75
.50
max.
.5 min.
(2 pls.)
Pin 1
Pin 2
.60 (2 pls.)
7.62
.20 (2 pls.)
.80

I


2.4
.51
.9
4.98
ø1.8
6.30
3.15
.28
2.65
6.30
Anode
.16
.50
1.1
2.54

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Lumex Part No.	Fig.	Color		Peak Wavelength (nm)	Vf (V) Typ.	If (mA) Max.	IO mcd	Viewing Angle	Price Each			
			LED	Lens						1	100	500	1000
3mm Relampable													
696-SSF-LXH4RABID	SSF-LXH4RABID	A	Red (blinking)	Red Diffused	635	3.5	20	6	60°	2.58	2.15	1.72	1.50
696-SSF-LXH4RAGD	SSF-LXH4RAGD	A	Green	Green Diffused	565	2.1	25	30	60°	.96	.80	.64	.56
696-SSF-LXH4RAHGW	SSF-LXH4RAHGW	A	Red/Green	White Diffused	700/565	2.1	25	3/4	60°	1.38	1.15	.92	.80
696-SSF-LXH4RAID	SSF-LXH4RAID	A	Red	Red Diffused	635	2.1	30	40	60°	.96	.80	.64	.56
696-SSF-LXH4RAYD	SSF-LXH4RAYD	A	Yellow	Yellow Diffused	585	2.1	30	30	60°	1.38	1.15	.92	.80
PC LED 5mm													
696-SSF-LXH100MGD	SSF-LXH100MGD	B	Green	Green Diffused	565	2.2	25	30	60°	.30	.25	.20	.17
696-SSF-LXH100MHGW	SSF-LXH100MHGW	B	Red/Green	White Diffused	700/565	2.0/2.2	30	6/20	60°	.54	.45	.36	.31
696-SSF-LXH100MID	SSF-LXH100MID	B	Red	Red Diffused	635	2	30	30	60°	.30	.25	.20	.17
696-SSF-LXH100MLGD	SSF-LXH100MLGD	B	Green	Green Diffused	565	2.2	25	30	60°	.30	.25	.20	.17
696-SSF-LXH100MLID	SSF-LXH100MLID	B	Red	Red Diffused	635	2	30	30	60°	.30	.25	.20	.17
696-SSF-LXH100MSRD	SSF-LXH100MSRD	B	Red	Red Diffused	660	1.8	30	100	60°	.77	.65	.52	.45
696-SSF-LXH100MYD	SSF-LXH100MYD	B	Yellow	Yellow Diffused	585	2.1	30	30	60°	.30	.25	.20	.17
696-SSF-LXH104GD	SSF-LXH104GD	C	Green	Green Diffused	565	2.2	25	30	60°	.33	.27	.22	.19
696-SSFLXH104HD-5V	SSF-LXH104HD-5V	C	Red	Red Diffused	695	5	12	3	60°	.60	.50	.40	.35
696-SSF-LXH104ID	SSF-LXH104ID	C	Red	Red Diffused	635	2	30	20	60°	.33	.27	.22	.19
696-SSF-LXH104YD	SSF-LXH104YD	C	Yellow	Yellow Diffused	585	2.1	30	20	60°	.33	.27	.22	.19
696-SSF-LXH1071GD	SSF-LXH1071GD	D	Green	Green Diffused	565	2.1	30	20	80°	.42	.35	.28	.24
696-SSF-LXH1071HGW	SSF-LXH1071HGW	D	Red/Green	White Diffused	700/565	2.1	30	5/8	80°	.66	.55	.44	.39
696-SSF-LXH1071ID	SSF-LXH1071ID	D	Red	Red Diffused	635	2.1	30	40	60°	.42	.35	.28	.24
696-SSF-LXH1071LGD	SSF-LXH1071LGD	D	Green	Green Diffused	565	1.9	30	20	80°	.42	.35	.28	.24
696-SSF-LXH1071SRD	SSF-LXH1071SRD	D	Red	Red Diffused	660	1.7	30	40	80°	.72	.60	.48	.42
696-SSF-LXH1071YD	SSF-LXH1071YD	D	Yellow	Yellow Diffused	585	2.1	30	20	80°	.42	.35	.28	.24
5mm Mating 5V													
696-SSFLXH100MGD5V	SSF-LXH100MGD-5V	B	Green	Green Diffused	565	5	30	20	60°	.60	.50	.40	.35
696-SSFLXH100MID5V	SSF-LXH100MID-5V	B	Red	Red Diffused	635	5	12	20	30°	.60	.50	.40	.35
5mm Relampable													
696-SSF-LXH4RA5GD	SSF-LXH4RA5GD	E	Green	Green Diffused	565	2.1	25	30	60°	.96	.80	.64	.56
696-SSF-LXH4RA5LID	SSF-LXH4RA5LID	E	Red	Red Diffused	635	2.1	30	40	60°	.96	.80	.64	.56
696-SSF-LXH4RA5SRD	SSF-LXH4RA5SRD	E	Red	Red Diffused	660	1.7	30	80	60°	1.38	1.15	.92	.80
2mm x 5mm													
696-LXH22573GGD	SSF-LXH22573GGD	F	Green	Green Diffused	565	2.2	25	10	110°	.72	.60	.48	.42
696-LXH22573LIID	SSF-LXH22573LIID	F	Red	Red Diffused	635	2	30	10	80°	1.26	1.05	.84	.73
696-LXH22573YYD	SSF-LXH22573YYD	F	Yellow	Yellow Diffused	585	2.1	30	10	110°	.72	.60	.48	.42
2.5mm x 7mm													
696-SSF-LXH25780YD	SSF-LXH25780YD	G	Yellow	Yellow Diffused	585	2.1	30	9	110°	.48	.40	.32	.28
9mm x 2mm													
696-SSB-LX02GC	SSB-LX02GC	H	Green	Green Translucent	565	4.4	25	10	160°	.72	.65	.58	.51
696-SSB-LX02SRC	SSB-LX02SRC	H	Red	Red Translucent	660	3.6	30	50	160°	.75	.62	.50	.43
696-SSB-LX02YC	SSB-LX02YC	H	Yellow	Yellow Translucent	590	4.2	30	170	160°	.78	.65	.52	.45
Single Right Angle													
696-SSF-LXH555ID	SSF-LXH555ID	I	Red	Red Diffused	635	2	30	8	60°	.72	.60	.48	.42
696-SSF-LXH555YD	SSF-LXH555YD	I	Yellow	Yellow Diffused	585	2.1	30	8	60°	.72	.60	.48	.42
696-SSF-LXH555GD	SSF-LXH555GD	I	Green	Green Diffused	565	2.1	25	8	60°	.72	.60	.48	.42

OPTEK Visible LEDs

TT electronics
OPTEK Technology

RoHS Compliant **This page of product is compliant.**

OPTEK SURFACE MOUNT LEDS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Optek Part No.	Fig.	Size	Color	Wavelength (nm)	Luminous Int. (typ) (mcd)	Voltage (typ)	Veiwing Angle	Price Each		
									1	10	100
828-OVS9WBCR4	OVS9WBCR4	A	PLCC-2	White	-	750	3.5	120°	.84	.70	.56
828-OVSASBC2R8	OVSASBC2R8	B	PLCC-4	Red	628	1000	2.5	120°	.72	.60	.54
828-OVSAABC2R8	OVSAABC2R8	B	PLCC-4	Amber	591	700	2.6	120°	.75	.63	.56
828-OVSAGBC2R8	OVSAGBC2R8	B	PLCC-4	Green	527	700	3.9	120°	1.26	1.05	.95
828-OVSACBC2R8	OVSACBC2R8	B	PLCC-4	Blue-Green	505	700	3.9	120°	1.26	1.05	.95
828-OVSABBC2R8	OVSABBC2R8	B	PLCC-4	Blue	470	200	3.9	120°	.96	.80	.72
828-OVSAWBCR4	OVSAWBCR4	B	PLCC-4	White	-	1050	3.5	120°	1.02	.85	.68
828-OVSARGB3R8	OVSARGB3R8	B	PLCC-4	RGB	620/520/465	300/450/110	2.3/3.6/3.6	120°	2.22	1.85	1.67
828-OVSASBLCR8	OVSASBLCR8	C	PLCC-4	Red	628	2200	2.5	60°	.75	.63	.56
828-OVSAQBLCR8	OVSAQBLCR8	C	PLCC-4	Red-Orange	618	2800	2.5	60°	.75	.63	.56
828-OVSAABLCR8	OVSAABLCR8	C	PLCC-4	Amber	591	1800	2.6	60°	.75	.63	.56
828-OVSR9RBCR8	OVSR9RBCR8	D	RA PLCC	Red	628	400	2.3	120°	.75	.63	.56
828-OVSR9ABCR8	OVSR9ABCR8	D	RA PLCC	Amber	591	350	2.3	120°	.75	.63	.56
828-OVSR9GBCR8	OVSR9GBCR8	D	RA PLCC	Green	527	560	3.6	120°	1.35	1.13	1.01
828-OVSR9CBCR8	OVSR9CBCR8	D	RA PLCC	Blue-Green	505	560	3.6	120°	1.26	1.05	.95
828-OVSR9BBCR8	OVSR9BBCR8	D	RA PLCC	Blue	470	120	3.6	120°	1.17	.98	.88
828-OVSTRGBBCR8	OVSTRGBBCR8	E	PLCC-6	RGB	620/521/468	1000/900/280	2.5/4.5/4.5	120°	4.20	3.50	3.15
828-OVSTRGBAC6	OVSTRGBAC6	F	2.7x2.4x0.95	RGB	-	87/333/88	2.0/3.4/3.4	110°	3.03	2.53	2.27
828-OVSTRGBFC6	OVSTRGBFC6	G	3.5x3.0x1.4	RGB	-	53/165/46	1.9/3.3/3.4	-	3.63	3.03	2.72
828-OVSTRGBLC6	OVSTRGBLC6	H	3.5x3x1.55	RGB	-	152/550/180	1.9/3.3/3.4	-	3.63	3.03	2.72
828-OVSRWACR6	OVSRWACR6	I	Side View	White	-	1000	3.4	110°	1.47	1.23	1.10

OPTEK THROUGH HOLE LEDS

Round

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Optek Part No.	Fig.	Size	Color	Wavelength (nm)	Luminous Int. (typ) (mcd)	Voltage (typ)	Veiwing Angle	Price Each		
									1	10	100
828-OVLAS6CB8	OVLAS6CB8	J	3mm Round	Red	628	1100	2.3	65°	.51	.43	.38
828-OVLBR4C7	OVLBR4C7	J	3mm Round	Red	623	1800	2.2	45°	.45	.38	.34
828-OVLBY4C7	OVLBY4C7	J	3mm Round	Yellow	589	2400	2.2	45°	.45	.38	.34
828-OVLAG6CB8	OVLAG6CB8	J	3mm Round	Green	527	2000	3.6	65°	1.26	1.05	.95
828-OVLBG4C7	OVLBG4C7	J	3mm Round	Green	525	2000	3.4	45°	1.20	1.00	.90
828-OVLAB6CB8	OVLAB6CB8	J	3mm Round	Blue	470	600	3.6	65°	1.08	.90	.81
828-OVLBB4C7	OVLBB4C7	J	3mm Round	Blue	470	900	3.4	45°	.75	.63	.56
828-OVLAW4CB6	OVLAW4CB6	J	3mm Round	White	-	1000	3.4	45°	1.50	1.25	1.13
828-OVLFR3C7	OVLFR3C7	J	5mm Round	Red	623	5000	2.2	30°	.45	.38	.34
828-OVLFY3C7	OVLFY3C7	J	5mm Round	Yellow	589	5700	2.2	30°	.45	.38	.34
828-OVLFG3C7	OVLFG3C7	J	5mm Round	Green	525	5200	3.4	30°	1.20	1.00	.90
828-OVLFB3C7	OVLFB3C7	J	5mm Round	Blue	470	1350	3.4	30°	.75	.63	.56
828-OVLEW1CB9	OVLEW1CB9	J	5mm Round	White	-	10000	3.5	15°	.90	.74	.66
828-OVLEW3CB6	OVLEW3CB6	J	5mm Round	White	-	2100	3.4	30°	1.50	1.25	1.13
828-OVLEW5CB6	OVLEW5CB6	J	5mm Round	White	-	1600	3.4	50°	1.50	1.25	1.13

Oval

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Optek Part No.	Fig.	Size	Color	Wavelength (nm)	Luminous Int. (typ) (mcd)	Voltage (typ)	Veiwing Angle	Price Each		
									1	10	100
828-OVLKQGT6	OVLKQGT6	K	3mm Oval	Red-Orange	616	430	2.1	100°/60°	.57	.48	.43
828-OVLKGGT6	OVLKGGT6	K	3mm Oval	Green	525	1100	3.3	100°/60°	1.29	1.08	.97
828-OVLKBGT6	OVLKBGT6	K	3mm Oval	Blue	470	300	3.4	100°/60°	1.29	1.08	.97
828-OVLJRGD8	OVLJRGD8	K	4mm Oval	Red	623	400	2	100°/50°	.30	.25	.23
828-OVLJGGD8	OVLJGGD8	K	4mm Oval	Green	527	1200	3.6	100°/50°	1.08	.90	.81
828-OVLJBGD8	OVLJBGD8	K	4mm Oval	Blue	470	300	3.6	100°/50°	.78	.65	.59
828-OVLHRKD8	OVLHRKD8	K	5mm Oval	Red	623	950	2.1	110°/50°	.39	.33	.29
828-OVLHQKD8	OVLHQKD8	K	5mm Oval	Red-Orange	618	800	2.3	110°/50°	.63	.53	.47
828-OVLHGKD8	OVLHGKD8	K	5mm Oval	Green	527	1750	3.6	110°/50°	1.26	1.05	.95
828-OVLHBKD8	OVLHBKD8	K	5mm Oval	Blue	470	500	3.6	110°/50°	1.08	.90	.81

Tapered

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Optek Part No.	Fig.	Size	Color	Wavelength (nm)	Luminous Int. (typ) (mcd)	Voltage (typ)	Veiwing Angle	Price Each		
									1	10	100
828-OVLGS0C8B9	OVLGS0C8B9	L	5mm Tapered	Red	631	10000	2	6°	.22	.18	.15
828-OVLGY0C9B9	OVLGY0C9B9	L	5mm Tapered	Yellow	589	20000	2	6°	.22	.18	.15
828-OVLGC0C6B9	OVLGC0C6B9	L	5mm Tapered	Blue-Green	505	8000	3.5	6°	.63	.53	.47
828-OVLGB0C6B9	OVLGB0C6B9	L	5mm Tapered	Blue	470	3200	3.5	6°	.65	.56	.45

Cylinder

For quantities of 250 and up, call for quote.

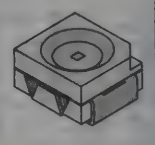
MOUSER STOCK NO.	Optek Part No.	Fig.	Size	Color	Wavelength (nm)	Luminous Int. (typ) (mcd)	Voltage (typ)	Veiwing Angle	Price Each		
									1	10	100
828-OVLLR8C7	OVLLR8C7	M	5mm Cylinder	Red	623	570	2.2	85°	.45	.38	.34
828-OVLLY8C7	OVLLY8C7	M	5mm Cylinder	Yellow	589	650	2.2	85°	.45	.38	.34
828-OVLLG8C7	OVLLG8C7	M	5mm Cylinder	Green	525	670	3.4	85°	1.20	1.00	.90
828-OVLLB8C7	OVLLB8C7	M	5mm Cylinder	Blue	470	300	3.4	85°	.75	.63	.56

Flux

For quantities of 250 and up, call for quote.

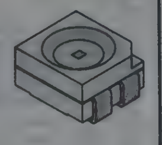
MOUSER STOCK NO.	Optek Part No.	Fig.	Size	Color	Wavelength (nm)	Luminous Int. (typ) (mcd)	Voltage (typ)	Veiwing Angle	Price Each		
									1	10	100
828-OVFSRAC8	OVFSRAC8	N	4-pin Flux	Red	624	4500	2.5	100°	.51	.43	.38
828-OVFSQ4C8	OVFSQ4C8	N	4-pin Flux	Red-Orange	618	4500	2.6	40°	.63	.53	.47
828-OVFSAAC8	OVFSAAC8	N	4-pin Flux	Amber	591	5000	2.5	100°	.57	.48	.43
828-OVFSG6C8	OVFSG6C8	N	4-pin Flux	Green	527	2500	4	60°	1.17	.98	.88
828-OVFSB6C8	OVFSB6C8	N	4-pin Flux	Blue	470	850	4	60°	.87	.73	.65
828-OVFSW6C8	OVFSW6C8	N	4-pin Flux	White	-	1200	4	60°	1.29	1.08	.97

A



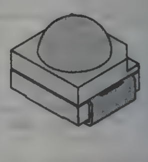
PLCC-2

B



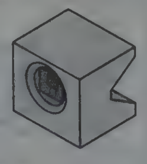
PLCC-4, Flat

C



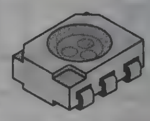
PLCC-4, Dome

D



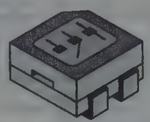
RA PLCC

E



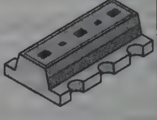
PLCC-6

F



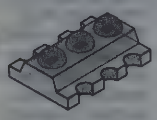
2.7 x 2.4 x .95mm

G



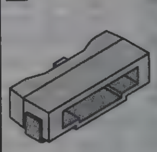
3.5 x 3.0 x 1.4mm

H



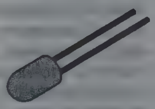
3.5 x 3.0 x 1.55mm

I



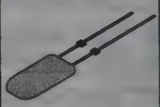
Side View

J



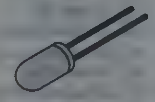
Round

K



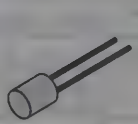
Oval

L



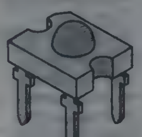
Tapered

M



Cylinder

N

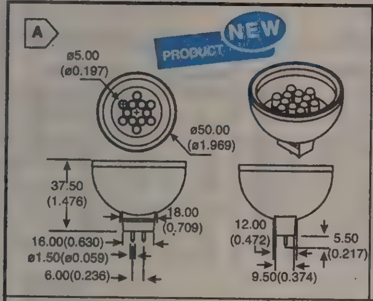


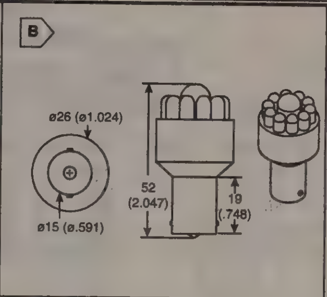
Flux

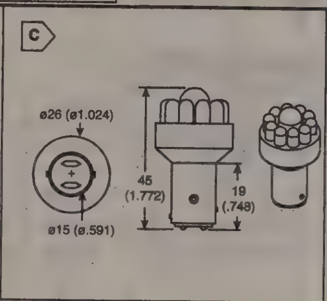
SUNBRITE LED Replacements

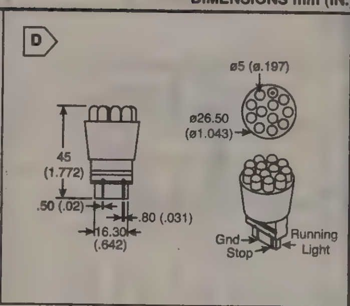
Products may be RoHS compliant.
Check mouser.com for RoHS status.

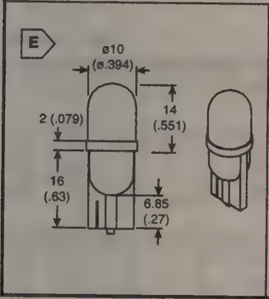
DIMENSIONS mm (IN.)

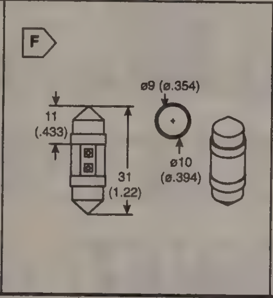

A
NEW PRODUCT
ø5.00
(ø0.197)
ø50.00
(ø1.969)
37.50
(1.476)
18.00
(0.709)
16.00(0.630)
ø1.50(ø0.059)
6.00(0.236)
12.00
(0.472)
5.50
(0.217)
9.50(0.374)

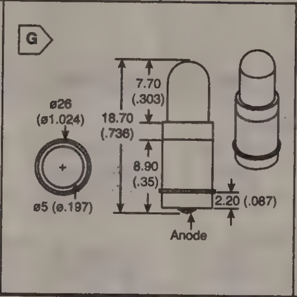

B
ø26 (ø1.024)
ø15 (ø.591)
52
(2.047)
19
(.748)

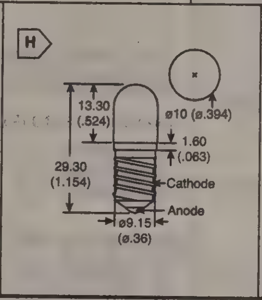

C
ø26 (ø1.024)
ø15 (ø.591)
45
(1.772)
19
(.748)

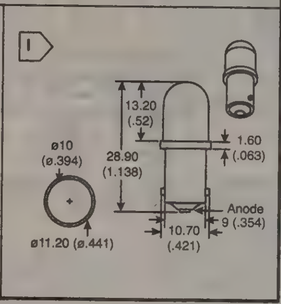

D
ø5 (ø.197)
ø26.50
(ø1.043)
45
(1.772)
.50 (.02)
.80 (.031)
16.30
(.642)
Gnd
Stop
Running
Light


E
ø10
(ø.394)
2 (.079)
14
(.551)
16
(.63)
6.85
(.27)


F
ø9 (ø.354)
11
(.433)
ø10
(ø.394)
31
(1.22)


G
ø26
(ø1.024)
7.70
(.303)
18.70
(.736)
8.90
(.35)
2.20 (.087)
ø5 (ø.197)
Anode


H
13.30
(.524)
ø10 (ø.394)
1.60
(.063)
29.30
(1.154)
Cathode
Anode
ø9.15
(ø.36)


I
13.20
(.52)
ø10
(ø.394)
28.90
(1.138)
1.60
(.063)
Anode
9 (.354)
10.70
(.421)
ø11.20 (ø.441)

SUNBRITE LED REPLACEMENTS FOR INCANDESCENT LAMPS

For quantities of 1000 and up, call for quote.

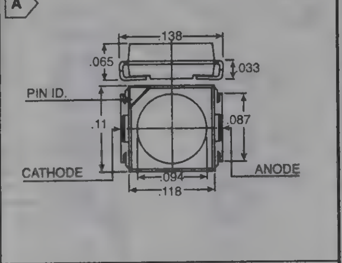
MOUSER STOCK NO.	Sunbrite Part No.	Fig.	Emitted Color	Lens	Intensity (mcd)	Peak Wavelength (nm)	Vf (V) Typ.	Peak Forward Current Max. (mA)	Viewing Angle	Price Each			
										1	10	100	500
MR16 LED Lamp													
697-SSP11CR6U12	SSP-11CR6U12	A	Ultra Red	Water Clear	11,000	626	12	70	60°	12.75	11.65	10.05	9.92
697-SSP11CR3S12	SSP-11CR3S12	A	Super Yellow	Water Clear	11,000	590	12	70	60°	26.90	21.99	17.05	15.14
697-SSP11CR2UP12	SSP-11CR2UP12	A	Ultra Green	Water Clear	12,000	525	12	70	60°	32.90	26.92	20.82	18.41
697-SSP11CR7U12	SSP-11CR7U12	A	Ultra Super Blue	Water Clear	10,000	470	12	70	60°	18.41	16.69	14.39	13.87
697-SSP11CR912	SSP-11CR912	A	White	Water Clear	12,000	—	12	70	60°	35.17	25.78	22.26	19.73
1156 LED Replacement Lamp													
697-1156B156U12	SSP-1156B156U12	B	Red	Water Clear	5000	626	12	110	20°	4.18	3.34	2.93	2.50
697-1156B153S12	SSP-1156B153S12	B	Yellow	Water Clear	3500	590	12	110	20°	4.18	3.34	2.93	2.50
697-1156B152UP12	SSP-1156B152UP12	B	Green	Water Clear	4000	525	12	110	20°	11.50	10.07	8.63	7.76
697-1156B157U12	SSP-1156B157U12	B	Super Blue	Water Clear	4500	470	12	110	20°	10.52	9.21	7.89	7.10
697-1156B15912	SSP-1156B15912	B	Ultra White	Water Clear	7000	—	12	110	20°	11.50	10.07	8.63	7.76
1157 LED Replacement Lamp													
697-1157B156U12	SSP-1157B156U12	C	Red	Water Clear	5000	626	12	80	20°	4.18	3.34	2.93	2.50
697-1157B153S12	SSP-1157B153S12	C	Yellow	Water Clear	3500	590	12	80	12°	4.18	3.34	2.93	2.51
697-1157B15912	SSP-1157B15912	C	Ultra White	Water Clear	7000	—	12	80	12°	11.46	10.03	8.60	7.74
3157 LED Replacement Lamps **✻ Stop/Running**													
697-SSP-3157WB6U12	SSP-3157WB6U12	D	Red	Water Clear	✻ 8000/2700	626	12	75	35°	5.20	4.55	3.90	3.51
697-SSP-3157WB3S12	SSP-3157WB3S12	D	Super Yellow	Water Clear	✻ 8300/2800	590	12	75	35°	5.20	4.55	3.90	3.57
697-SSP3157WB2UP12	SSP-3157WB2UP12	D	Ultra Pure Green	Water Clear	✻ 12000/4000	525	12	75	35°	9.80	8.58	7.35	6.62
697-SSP-3157WB7U12	SSP-3157WB7U12	D	Super Blue	Water Clear	✻ 8300/2800	470	12	75	35°	9.80	8.58	7.35	6.62
697-SSP-3157WB912	SSP-3157WB912	D	Ultra White	Water Clear	✻ 8200/2750	—	12	75	35°	10.40	9.10	7.80	7.02
T 3 1/4 LED Miniature Wedge Base Replacement Lamp													
697-01TWB6UW12	SSP-01TWB6UW12	E	Red	White Diff.	2800	626	12	12	60°	.99	.83	.66	.56
697-01TWB6UWB12	SSP-01TWB6UWB12	E	Red	Water Clear	8000	626	12	30	31°	.99	.83	.66	.56
697-01TWB3SW12	SSP-01TWB3SW12	E	Super Yellow	White Diff.	2200	590	12	30	60°	.99	.83	.66	.56
697-01TWB3SWB12	SSP-01TWB3SWB12	E	Super Yellow	Water Clear	7000	590	12	30	35°	.99	.83	.66	.56
697-01TWB2UPW12	SSP-01TWB2UPW12	E	Ultra Green	White Diff.	2800	525	12	12	60°	1.60	1.34	1.07	.91
697-01TWB2UPWB12	SSP-01TWB2UPWB12	E	Pure Green	Water Clear	9000	525	12	30	30°	1.60	1.34	1.07	.91
697-01TWB7UW12	SSP-01TWB7UW12	E	Super Blue	White Diff.	1600	470	12	30	60°	1.50	1.25	1.00	.85
697-01TWB7UWB12	SSP-01TWB7UWB12	E	Super Blue	Water Clear	7000	470	12	30	30°	1.60	1.34	1.07	.91
697-01TWB9W12	SSP-01TWB9W12	E	Ultra White	Water Clear	3300	—	12	30	60°	1.60	1.34	1.07	.91
697-01TWB9WB12	SSP-01TWB9WB12	E	Ultra White	Water Clear	11000	—	12	30	30°	1.60	1.34	1.07	.91
Festoon LED Lamp													
697-SSP-02TFS7U12	SSP-02TFS7U12	F	Super Blue	Water Clear	4500	470	12	—	60°	3.20	2.80	2.40	2.16
697-SSP-02TFS912	SSP-02TFS912	F	Ulta White	Water Clear	5500	—	12	—	60°	3.60	3.15	2.70	2.43
Midget Flange Base Replacement Lamp													
697-D19F9SIC-12V	SSP-D19F9SIC-12V	G	Red	Water Clear	1200	636	12	30	45°	2.80	2.24	1.96	1.68
697-D19F9SYC-12V	SSP-D19F9SYC-12V	G	Yellow	Water Clear	1200	590	12	30	45°	2.80	2.24	1.96	1.68
697-D19F9SUGC-12V	SSP-D19F9SUGC-12V	G	Green	Water Clear	300	574	12	25	45°	3.30	2.64	2.31	1.98
Miniature Screw (E10) Base Replacement Lamp													
697-D29E10SIC-12V	SSP-D29E10SIC-12V	H	Red	Water Clear	2500	636	12	30	25°	2.31	1.93	1.54	1.31
697-D29ESUGC-12V	SSP-D29ESUGC-12V	H	Green	Water Clear	1000	574	12	25	25°	2.97	2.49	1.98	1.68
Miniature Bayonet (BA9S) Base Replacement Lamp													
697-D29B9SIC-12V	SSP-D29B9SIC-12V	I	Red	Water Clear	2500	636	12	12	40°	2.31	1.93	1.54	1.31
697-D29B9SYC-12V	SSP-D29B9SYC-12V	I	Yellow	Water Clear	1500	590	12	12	40°	2.31	1.93	1.54	1.31
697-D29B9SUGC-12V	SSP-D29B9SUGC-12V	I	Green	Water Clear	1000	574	12	12	40°	2.97	2.48	1.98	1.68

VISHAY LED Lamps

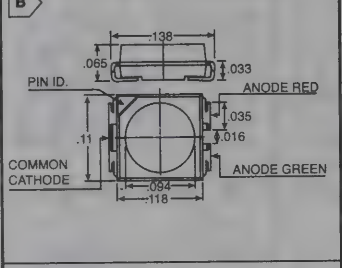
Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIMENSIONS: In.

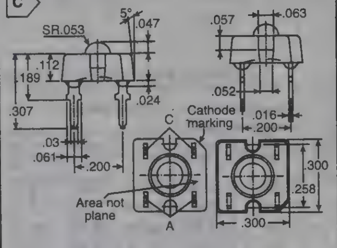
A



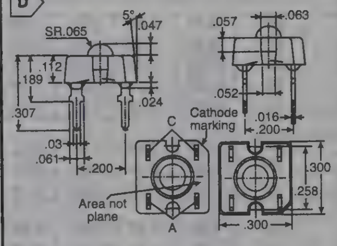
B



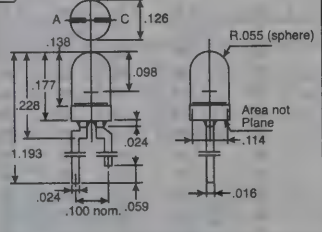
C



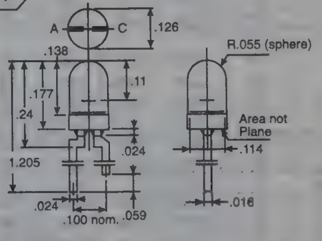
D



E



F



LED LAMPS

RoHS Compliant

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wave-length (nm)	Viewing Angle	Price Each		
Mfr. Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
Standard SMD (PLCC-2)													
78—TLMB3100	A	Blue	Non-Diffused	3.9	4.5	4.0	8.0	- - -	428	60°	.67	.53	.44
78—TLMH3100	A	Hi-Eff. Red	Non-Diffused	2.4	3.0	2.5	6.0	- - -	635	60°	.14	.11	.089
78—TLMO3100	A	Soft Orange	Non-Diffused	2.2	3.0	2.5	8.0	- - -	605	60°	.13	.11	.087
78—TLMG3100	A	Green	Non-Diffused	2.2	3.0	4.0	9.0	- - -	565	60°	.14	.11	.089
78—TLMP3100	A	Pure Green	Non-Diffused	2.4	3.0	1.0	4.0	- - -	555	60°	.16	.13	.10
78—TLMY3100	A	Yellow	Non-Diffused	2.4	3.0	2.5	6.0	- - -	585	60°	.12	.098	.081

RoHS Compliant

Power SMD (PLCC-2)

For quantities of 1000 or more, call for quote.

78—TLMK3300	A	Red	Non-Diffused	2.1	2.55	250	1000	- - -	624	120°	.21	.17	.14

Low Current SMD (PLCC-2)

For quantities of 1000 or more, call for quote.

78—TLMT3100	A	Hi-Eff. Red	Non-Diffused	2.2	2.9	0.25	2.5	- - -	635	60°	.13	.10	.083
78—TLMC3100	A	Green	Non-Diffused	1.9	2.4	0.63	1.6	- - -	563	60°	.12	.095	.079
78—TLMA3100	A	Yellow	Non-Diffused	2.2	2.9	0.25	2.5	- - -	585	60°	.13	.10	.085

High Intensity SMD (PLCC-2)

For quantities of 1000 or more, call for quote.

78—TLMK3100	A	Red	Non-Diffused	1.9	2.6	10	18	- - -	643	60°	.13	.11	.087
78—TLMD3100	A	Red	Non-Diffused	1.8	2.2	10	20	- - -	650	60°	.17	.14	.11
78—TLMF3100	A	Soft Orange	Non-Diffused	2.0	2.6	25	50	- - -	610	60°	.15	.12	.097
78—TLME3100	A	Yellow	Non-Diffused	2.0	2.6	25	50	- - -	590	60°	.13	.11	.088

RoHS Compliant

Dual Color Surface Mount (PLCC-2)

For quantities of 1000 or more, call for quote.

78—TLMV3100	B	Red/Green	Non-Diffused	2.4	3.0	2.5	6.0	- - -	635/565	60°	.16	.13	.11

TELUX™ (7.62mm Square)

For quantities of 1000 or more, call for quote.

78—TLWB7600	C	Blue	Non-Diffused	4.3	4.7	200	330	630	460	30°	1.14	.91	.75
78—TLWBG7600	C	Blue-Green	Non-Diffused	4.2	4.7	400	700	1250	503	30°	1.23	.99	.81
78—TLWR7600	C	Red	Non-Diffused	2.2	2.67	1500	2100	3000	624	30°	.29	.23	.19
78—TLWY7600	C	Yellow	Non-Diffused	2.1	2.67	1000	1400	2400	594	30°	.29	.24	.19
78—TLWBG7900	D	Blue-Green	Non-Diffused	4.2	4.7	400	700	1250	503	45°	1.23	.99	.81
78—TLWR7900	D	Red	Non-Diffused	2.2	2.67	1500	2100	3000	624	45°	.29	.23	.19
78—TLWTG7900	D	True Green	Non-Diffused	4.2	4.7	630	900	1800	518	45°	1.23	.99	.81
78—TLWY7900	D	Yellow	Non-Diffused	2.1	2.67	1000	1400	2400	594	45°	.29	.24	.19

Standard T-1 (3mm)

For quantities of 1000 or more, call for quote.

78—TLHB4200	E	Blue	Tinted Non-Diffused	3.9	4.5	25	50	- - -	428	22°	.61	.49	.41
78—TLHR4200	E	Hi-Eff. Red	Tinted Non-Diffused	2.0	3.0	4.0	8.0	- - -	635	22°	.11	.087	.072
78—TLHO4200	E	Soft Orange	Tinted Non-Diffused	2.4	3.0	4.0	10	- - -	605	22°	.13	.11	.088
78—TLHG4200	E	Green	Tinted Non-Diffused	2.4	3.0	6.3	10	- - -	565	22°	.12	.099	.081
78—TLHP4200	E	Pure Green	Tinted Non-Diffused	2.4	3.0	2.5	7.0	- - -	555	22°	.14	.11	.091
78—TLHY4200	E	Yellow	Tinted Non-Diffused	2.4	3.0	4.0	10	- - -	585	22°	.12	.099	.082
78—TLHB4400	E	Blue	Tinted Blue Diffused	3.9	4.5	6.3	15	- - -	428	30°	.62	.49	.41
78—TLHR4400	E	Hi-Eff. Red	Tinted Red Diffused	2.0	3.0	1.3	3.0	- - -	635	30°	.11	.088	.075
78—TLUR4400	E	Univ. Red	Tinted Red Diffused	1.6	2.0	0.4	0.8	- - -	660	30°	.20	.16	.13
78—TLHO4400	E	Soft Orange	Tinted Orange Diffused	2.4	3.0	1.6	4.0	- - -	605	30°	.14	.11	.09
78—TLHG4400	E	Green	Tinted Green Diffused	2.0	3.0	2.5	4.0	- - -	565	30°	.12	.10	.082
78—TLHP4400	E	Pure Green	Tinted Green Diffused	2.4	3.0	0.63	2.0	- - -	555	30°	.14	.11	.091
78—TLHY4400	E	Yellow	Tinted Yellow Diffused	2.0	3.0	1.6	3.0	- - -	585	30°	.13	.10	.084
78—TLHR4401	E	Hi-Eff. Red	Tinted Red Diffused	2.0	3.0	1.6	3.0	- - -	635	30°	.11	.09	.074
78—TLUR4401	E	Univ. Red	Red Diffused	1.6	2.0	1.0	- - -	5.0	660	30°	.10	.082	.068
78—TLHG4401	E	Green	Green Diffused	2.0	3.0	4.0	6.0	- - -	565	30°	.12	.10	.082
78—TLHY4401	E	Yellow	Tinted Yellow Diffused	2.4	3.0	1.6	3.0	- - -	585	30°	.13	.10	.085
78—TLHR4600	E	Hi-Eff. Red	Tinted Red Diffused	2.0	3.0	1.0	2.0	- - -	635	60°	.11	.089	.074
78—TLHG4600	E	Green	Tinted Green Diffused	2.4	3.0	1.0	2.0	- - -	565	60°	.12	.10	.082
78—TLHY4600	E	Yellow	Tinted Yellow Diffused	2.4	3.0	0.63	2.0	- - -	585	60°	.13	.10	.083
78—TLHR4900	F	Hi-Eff. Red	Clear	2.0	3.0	6.3	13	- - -	635	16°	.11	.087	.072
78—TLHO4900	F	Soft Orange	Clear	2.4	3.0	10	26	- - -	605	16°	.14	.11	.09
78—TLHG4900	F	Green	Clear	2.4	3.0	16	37	- - -	565	16°	.13	.10	.088
78—TLHP4900	F	Pure Green	Clear	2.4	3.0	4.0	13	- - -	555	16°	.14	.11	.091
78—TLHY4900	F	Yellow	Clear	2.4	3.0	10	26	- - -	585	16°	.13	.10	.083

Low Current T-1 (3mm)

For quantities of 1000 or more, call for quote.

78—TLLR4401	E	Hi-Eff. Red	Red Diffused	1.9	2.4	1.0	2.0	- - -	635	25°	.15	.12	.10
78—TLLG4401	E	Green	Green Diffused	1.9	2.4	1.0	2.0	- - -	565	25°	.13	.11	.089
78—TLLY4401	E	Yellow	Yellow Diffused	2.4	2.9	1.0	2.0	- - -	585	25°	.15	.12	.10

High Intensity T-1 (3mm)

For quantities of 1000 or more, call for quote.

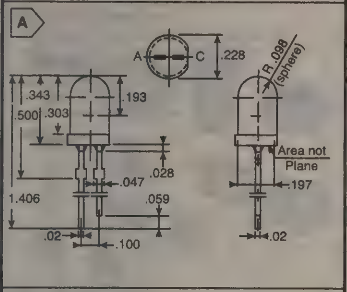
78—TLHK4200	E	Red	Tinted Non-Diffused	1.9	2.6	25	50	- - -	643	22°	.16	.13	.11
78—TLDR4400	E	Red	Red Diffused	1.8	2.2	25	45	- - -	650	40°	.23	.18	.15
78—TLHK4900	F	Red	Clear	1.9	2.6	40	140	- - -	643	16°	.16	.13	.11
78—TLDR4900	F	Red	Clear	1.8	2.2	63	200	- - -	650	16°	.26	.21	.17
78—TLHF4900	F	Soft Orange	Clear	2.4	3.0	10	26	- - -	605	16°	.21	.17	.14
78—TLHE4900	F	Yellow	Clear	2.4	3.0	10	26	- - -	585	16°	.19	.15	.13

VISHAY LED Lamps

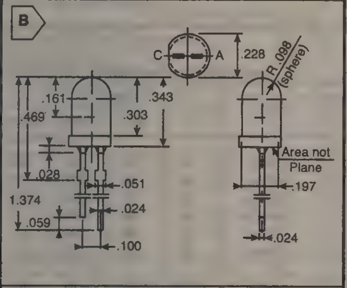
Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIMENSIONS: in.

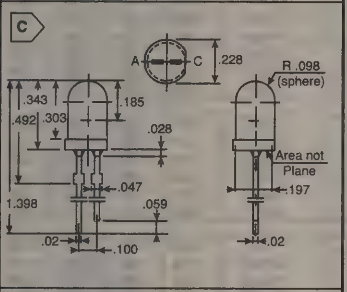
A


A
C
.228
R .098
(sphere)
.343
.500
.303
.193
.028
.047
1.406
.059
.02
.100
Area not
Plane
.197
.02

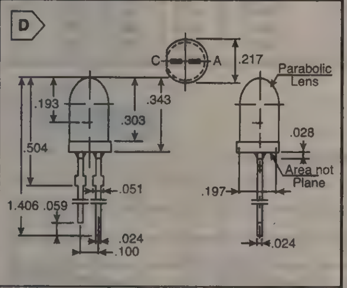
B


C
A
.228
R .098
(sphere)
.161
.343
.469
.303
.028
.051
1.374
.024
.059
.100
Area not
Plane
.197
.024

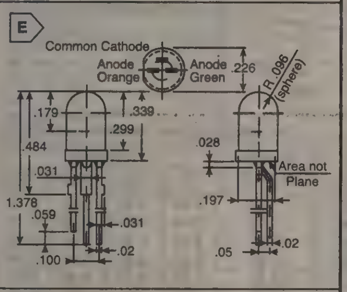
C


A
C
.228
R .098
(sphere)
.343
.185
.492
.303
.028
.047
1.398
.059
.02
.100
Area not
Plane
.197
.02

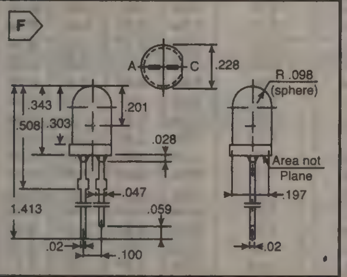
D


C
A
.217
Parabolic
Lens
.193
.343
.303
.028
.504
Area not
Plane
.051
.197
1.406
.059
.024
.100
.024

E


Common Cathode
Anode
Orange
Anode
Green
.226
R .096
(sphere)
.179
.339
.299
.484
.028
.031
Area not
Plane
.197
1.378
.059
.031
.02
.100
.05
.02

F


A
C
.228
R .098
(sphere)
.343
.201
.508
.303
.028
Area not
Plane
.047
.197
1.413
.059
.02
.100
.02

LED LAMPS

Standard T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wave-length (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLHB5100	A	Blue	Water Clear	3.9	4.5	66	210	- - -	428	9°	.91	.73	.60
78—	TLHB5102	A	Blue	Water Clear	3.9	4.5	130	- - -	360	428	9°	.66	.53	.44
78—	TLHR5200	B	Hi-Eff. Red	Tinted Non-Diffused	2.0	3.0	10	20	- - -	635	14°	.08	.066	.055
78—	TLHG5200	B	Green	Tinted Non-Diffused	2.4	3.0	16	30	- - -	565	14°	.10	.081	.067
78—	TLHY5200	B	Yellow	Tinted Non-Diffused	2.4	3.0	10	30	- - -	585	14°	.13	.10	.083
78—	TLHB5400	C	Blue	Blue Diffused	3.9	4.5	6.3	15	- - -	428	30°	.64	.51	.42
78—	TLHR5400	C	Hi-Eff. Red	Red Diffused	2.0	3.0	1.6	3.5	- - -	635	30°	.09	.068	.056
78—	TLUR5400	C	Univ. Red	Red Diffused	1.6	2.0	0.4	0.8	- - -	660	30°	.09	.075	.062
78—	TLHG5400	C	Green	Green Diffused	2.4	3.0	1.6	4.0	- - -	565	30°	.10	.083	.069
78—	TLHY5400	C	Yellow	Yellow Diffused	2.4	3.0	1.6	3.5	- - -	585	30°	.13	.10	.083
78—	TLHG5800	D	Green	Non-Diffused	2.4	3.0	400	700	- - -	565	4°	.11	.087	.072
78—	TLHP5800	D	Pure Green	Non-Diffused	2.4	3.0	25	85	- - -	555	4°	.14	.11	.091
78—	TLHY5800	D	Yellow	Non-Diffused	2.4	3.0	100	250	- - -	585	4°	.13	.10	.083

RoHS Compliant

Dual Color T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wave-length (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLUV5300	E	Org. Red/Grn	Non-Diffused	2.0	3.0	1.0	2.5	- - -	630	30°	.34	.27	.23

RoHS Compliant

Low Current T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wave-length (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLLR5401	C	Hi-Eff. Red	Red Diffused	1.9	2.4	1.0	2.0	- - -	635	25°	.15	.12	.10
78—	TLLG5401	C	Green	Green Diffused	1.9	2.4	1.0	2.0	- - -	565	25°	.13	.11	.089
78—	TLLY5401	C	Yellow	Yellow Diffused	2.4	2.9	1.0	2.0	- - -	585	25°	.15	.12	.10

High Intensity T-1 3/4 (5mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wave-length (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLHK5100	F	Red	Clear	1.9	2.6	320	- - -	- - -	643	9°	.17	.13	.11
78—	TLHG5100	F	Green	Clear	2.4	3.0	240	- - -	- - -	565	9°	.11	.092	.076
78—	TLHP5100	F	Pure Green	Clear	2.4	3.0	66	- - -	- - -	555	9°	.14	.11	.091
78—	TLHE5100	F	Yellow	Clear	2.0	2.6	750	- - -	- - -	590	9°	.18	.14	.12
78—	TLDR5400	C	Red	Red Diffused	1.8	2.2	35	70	- - -	650	30°	.23	.18	.15
78—	TLHK5800	D	Red	Non-Diffused	1.9	2.6	1000	2500	- - -	643	4°	.17	.13	.11
78—	TLDR5800	D	Red	Clear	1.8	2.2	1000	2500	- - -	650	4°	.23	.18	.15
78—	TLHF5800	D	Soft Orange	Non-Diffused	2.0	2.6	1000	3500	- - -	610	4°	.21	.17	.14
78—	TLHE5800	D	Yellow	Non-Diffused	2.0	2.6	1000	3500	- - -	590	4°	.18	.15	.12

RoHS Compliant

Ultrabright T-1 3/4 (5mm)

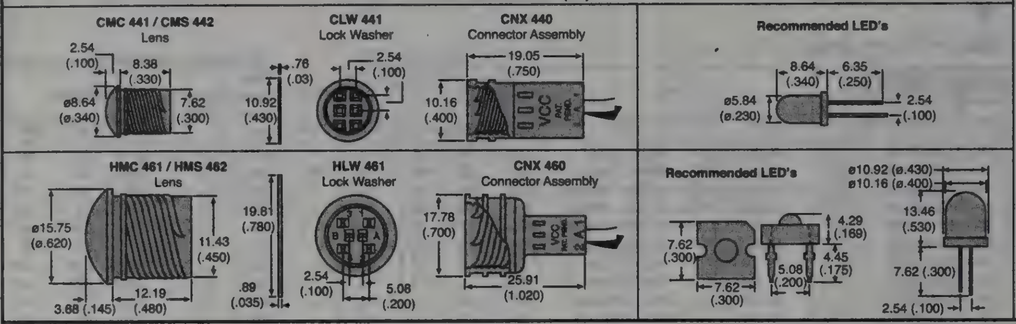
For quantities of 1000 and up, call for quote.

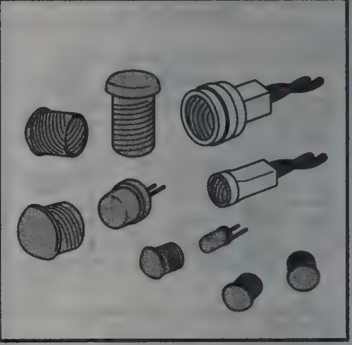
MOUSER STOCK NO.		Fig.	Color		Forward Voltage		Luminous Intensity			Peak Wave-length (nm)	Viewing Angle	Price Each		
Mfr.	Mfr. Part No.		LED	Lens	Typ.	Max.	Min.	Typ.	Max.			1	100	500
78—	TLCB5800	F	Blue	Clear	3.9	4.5	750	2500	- - -	464	4°	1.07	.86	.71
78—	TLCR5800	F	Red	Clear	2.1	2.7	7500	20000	- - -	622	4°	.29	.23	.19
78—	TLCTG5800	F	True Green	Clear	3.9	4.5	2400	7000	- - -	520	4°	1.07	.86	.71
78—	TLCY5800	F	Yellow	Clear	2.1	2.7	5750	14000	- - -	593	4°	.27	.21	.18

VCC LED Assemblies and Mounting Components

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm (in.)





CABLE ASSEMBLIES FOR 5MM AND 10MM LED LIGHTS

Features:
- 180° viewing angle for LED that have 20 to 20K mcd.
- Lens threads into holder for easy assembly
- Sealed style exceeds NEMA 4 for dust, water, and ice.

Additional Options:
- Can be made with 3 or 4 wire configuration.
- 24 AWG stranded wire is standard, 22 AWG wire upon request.

Pre-wired Solderless LED Holders - Twist Fit

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Length: in.	Price Each			
			1	10	100	500
5mm Bi-Lead LED 24AWG 2 Wire /.025" Header Post						
593-CNX440E24108	CNX440-E02-4-1-08	8	2.98	2.47	1.96	1.60
593-CNX440E24112	CNX440-E02-4-1-12	12	3.24	2.56	2.07	1.68
593-CNX440E24118	CNX440-E02-4-1-18	18	3.36	2.65	2.17	1.77
593-CNX440E24124	CNX440-E02-4-1-24	24	3.46	2.76	2.28	1.85
5mm Bi-Lead LED 24AWG 2 Wire /Stripped Ends						
593-CNX440X24108	CNX440-X02-4-1-08	8	1.85	1.55	1.23	1.00
593-CNX440X24112	CNX440-X02-4-1-12	12	1.96	1.64	1.33	1.08
593-CNX440X24118	CNX440-X02-4-1-18	18	2.07	1.76	1.44	1.17
593-CNX440X24124	CNX440-X02-4-1-24	24	2.16	1.86	1.54	1.25
10mm Bi-Lead LED 24AWG 2 Wire /.025" Header Post						
593-CNX460E24108	CNX460-E02-4-1-08	8	4.38	3.65	2.91	2.37
593-CNX460E24112	CNX460-E02-4-1-12	12	4.47	3.74	3.01	2.45
593-CNX460E24118	CNX460-E02-4-1-18	18	4.57	3.84	3.12	2.54
593-CNX460E24124	CNX460-E02-4-1-24	24	4.66	3.93	3.22	2.62
10mm Bi-Lead LED 24AWG 2 Wire /Stripped Ends						
593-CNX460X24108	CNX460-X02-4-1-08	8	3.36	2.65	2.17	1.77
593-CNX460X24112	CNX460-X02-4-1-12	12	3.46	2.76	2.28	1.85
593-CNX460X24118	CNX460-X02-4-1-18	18	3.56	2.85	2.38	1.94
593-CNX460X24124	CNX460-X02-4-1-24	24	3.65	2.94	2.49	2.02

Lens for Twist Style LED Holders

- Includes Lens, Lockwasher, and Ring

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Color	Price Each			
			1	10	100	500
5mm Standard Lens						
593-CMC441RTP	CMC441-RTP	Red	.81	.68	.56	.46
593-CMC441ATP	CMC441-ATP	Amber	.81	.68	.56	.46
593-CMC441YTP	CMC441-YTP	Yellow	.81	.68	.56	.46
593-CMC441GTP	CMC441-GTP	Green	.81	.68	.56	.46
593-CMC441BTP	CMC441-BTP	Blue	.81	.68	.56	.46
593-CMC441CTP	CMC441-CTP	Clear	.81	.68	.56	.46
5mm Water Tight Lens						
593-CMS442RTP	CMS442-RTP	Red	1.56	1.29	1.05	.86
593-CMS442ATP	CMS442-ATP	Amber	1.56	1.29	1.05	.86
593-CMS442YTP	CMS442-YTP	Yellow	1.56	1.29	1.05	.86
593-CMS442GTP	CMS442-GTP	Green	1.56	1.29	1.05	.86
593-CMS442BTP	CMS442-BTP	Blue	1.56	1.29	1.05	.86
593-CMS442CTP	CMS442-CTP	Clear	1.56	1.29	1.05	.86
10mm Standard Lens						
593-HMC461RTP	HMC461-RTP	Red	1.24	1.03	.84	.68
593-HMC461ATP	HMC461-ATP	Amber	1.24	1.03	.84	.68
593-HMC461YTP	HMC461-YTP	Yellow	1.24	1.03	.84	.68
593-HMC461GTP	HMC461-GTP	Green	1.24	1.03	.84	.68
593-HMC461BTP	HMC461-BTP	Blue	1.24	1.03	.84	.68
593-HMC461CTP	HMC461-CTP	Clear	1.24	1.03	.84	.68
10mm Water Tight Lens						
593-HMS462RTP	HMS462-RTP	Red	1.98	1.65	1.33	1.08
593-HMS462ATP	HMS462-ATP	Amber	1.98	1.65	1.33	1.08
593-HMS462YTP	HMS462-YTP	Yellow	1.98	1.65	1.33	1.08
593-HMS462GTP	HMS462-GTP	Green	1.98	1.65	1.33	1.08
593-HMS462BTP	HMS462-BTP	Blue	1.98	1.65	1.33	1.08
593-HMS462CTP	HMS462-CTP	Clear	1.98	1.65	1.33	1.08

CABLE ASSEMBLIES FOR 5MM LED LIGHTS WITH BUILT-IN RESISTOR

NEW PRODUCT

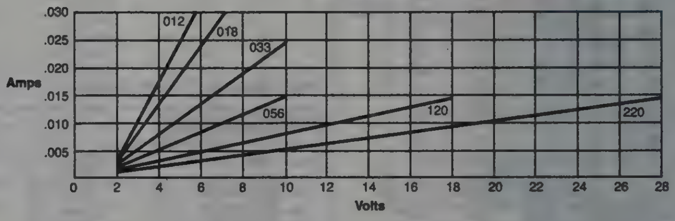
Features:
- Made for CMC441 and CMC442 Lenses
- Lens threads into holder for easy assembly
- Sealed style exceeds NEMA 4 for dust, water, and ice.
- Internal Resistor to make LED to power source easy

Additional Options:
- Other resistance available
- Lead lengths from 4 to 24 inches
- 2 or 3 Position Headers available
- Custom Color wire available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VCC Part No.	Resistor (Ω)	Price Each			
			1	10	100	500
5mm Bi-Lead LED 24AWG 2 Wire / Stripped Ends - 24 inch leads						
593-CNX410012X24124	CNX410-012-X024124	120	4.35	3.58	2.81	2.35
593-CNX410018X24124	CNX410-018-X024124	180	4.35	3.58	2.81	2.35
593-CNX410033X24124	CNX410-033-X024124	330	4.35	3.58	2.81	2.35
593-CNX410056X24124	CNX410-056-X024124	560	4.35	3.58	2.81	2.35
593-CNX410120X24124	CNX410-120-X024124	1.2K	4.35	3.58	2.81	2.35
593-CNX410220X24124	CNX410-220-X024124	2.2K	4.35	3.58	2.81	2.35

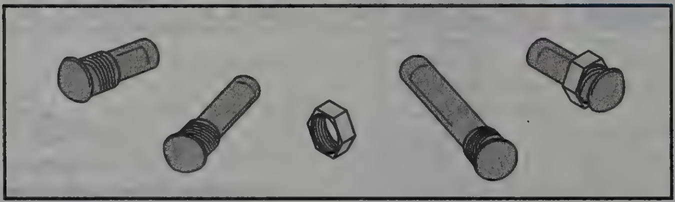
RESISTOR SELECTOR



THREADED MOISTURE SEALED LITEPIPE® ASSEMBLIES

NEW FROM SUPPLIER

Features:
- Exceeds NEMA 4 rating
- 180° viewing angle for LEDs
- Panel Mount independent of circuit board



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VCC Part No.	Color	Litepipe Length: in.	Price Each			
				1	10	100	500
593-LCS032R	LCS032RTP	Red	0.32	2.94	2.67	2.40	2.14
593-LCS032Y	LCS032YTP	Yellow	0.32	2.94	2.67	2.40	2.14
593-LCS032G	LCS032GTP	Green	0.32	2.94	2.67	2.40	2.14
593-LCS032	LCS032CTP	Clear	0.32	2.94	2.67	2.40	2.14

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VCC Part No.	Color	Litepipe Length: in.	Price Each			
				1	10	100	500
593-LCS052R	LCS052RTP	Red	0.52	2.94	2.67	2.40	2.14
593-LCS052Y	LCS052YTP	Yellow	0.52	2.94	2.67	2.40	2.14
593-LCS052G	LCS052GTP	Green	0.52	2.94	2.67	2.40	2.14
593-LCS052	LCS052CTP	Clear	0.52	2.94	2.67	2.40	2.14
593-LCS072R	LCS072RTP	Red	0.72	2.94	2.67	2.40	2.14
593-LCS072Y	LCS072YTP	Yellow	0.72	2.94	2.67	2.40	2.14
593-LCS072G	LCS072GTP	Green	0.72	2.94	2.67	2.40	2.14
593-LCS072	LCS072CTP	Clear	0.72	2.94	2.67	2.40	2.14
593-LCS092R	LCS092RTP	Red	0.92	2.94	2.67	2.40	2.14
593-LCS092Y	LCS092YTP	Yellow	0.92	2.94	2.67	2.40	2.14
593-LCS092G	LCS092GTP	Green	0.92	2.94	2.67	2.40	2.14
593-LCS092	LCS092CTP	Clear	0.92	2.94	2.67	2.40	2.14
593-LCS113R	LCS112RTP	Red	1.12	2.94	2.67	2.40	2.14
593-LCS113Y	LCS112YTP	Yellow	1.12	2.94	2.67	2.40	2.14
593-LCS113G	LCS112GTP	Green	1.12	2.94	2.67	2.40	2.14
593-LCS113	LCS112CTP	Clear	1.12	2.94	2.67	2.40	2.14
593-LCS132R	LCS132RTP	Red	1.32	2.94	2.67	2.40	2.14
593-LCS132Y	LCS132YTP	Yellow	1.32	2.94	2.67	2.40	2.14
593-LCS132G	LCS132GTP	Green	1.32	2.94	2.67	2.40	2.14
593-LCS132	LCS132CTP	Clear	1.32	2.94	2.67	2.40	2.14

VCC LED Assemblies and Mounting Components

RoHS Compliant **This page of product is compliant.**

PRE-WIRED SOLDERLESS LED INTERCONNECTIONS

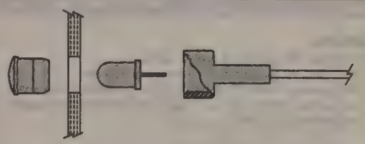
Material Specifications:

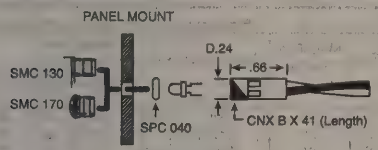
- Panel connector socket and ring: thermoplastic
- Header connector: thermoplastic (UL Listed materials)
- Terminals: phosphor bronze, tin plated
- Wire: 24AWG, 7 strand copper, insulated
- For **Locking Header** use Mouser Stock No.: 538-22-23-2021
- For **Plain Header** use Mouser Stock No.: 538-22-03-2021

Electrical Specifications:

- Terminal: 3A continuous service
- Unique three-finger design mates to round, square, or rectangular leads .017" to .025"

Insert LED into connector, Install lens in panel opening. Press connector and lens together.

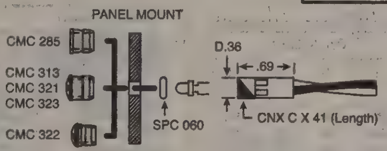




3mm Bi-Lead LED

For quantities of 1000 and up, call for quote.

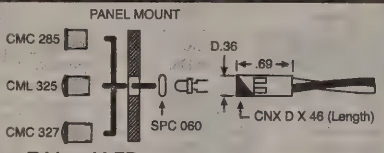
MOUSER STOCK NO.	Length: in.	Price Each			
		1	10	100	500
.025" Header Post					
593-CNXBE4104	4	2.13	1.78	1.40	1.14
593-CNXBE4108	8	2.13	1.78	1.40	1.14
593-CNXBE4112	12	2.28	1.90	1.51	1.23
593-CNXBE4118	18	2.43	2.03	1.61	1.31
593-CNXBE4124	24	2.61	2.18	1.72	1.40
Stripped Ends					
593-CNXBX4104	4	1.44	1.20	.95	.77
593-CNXBX4108	8	1.44	1.20	.95	.77
593-CNXBX4112	12	1.59	1.33	1.05	.86
593-CNXBX4118	18	1.74	1.45	1.16	.94
593-CNXBX4124	24	1.92	1.60	1.26	1.03



5mm Bi-Lead LED

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Length: in.	Price Each			
		1	10	100	500
.025" Header Post					
593-CNXCE4104	4	2.13	1.78	1.40	1.14
593-CNXCE4108	8	2.13	1.78	1.40	1.14
593-CNXCE4112	12	2.28	1.90	1.51	1.23
593-CNXCE4118	18	2.43	2.03	1.61	1.31
593-CNXCE4124	24	2.61	2.18	1.72	1.40
Stripped Ends					
593-CNXCX4104	4	1.44	.95	.77	.71
593-CNXCX4108	8	1.44	.95	.77	.71
593-CNXCX4112	12	1.59	1.33	1.05	.86
593-CNXCX4118	18	1.74	1.45	1.16	.94
593-CNXCX4124	24	1.92	1.26	1.03	.95



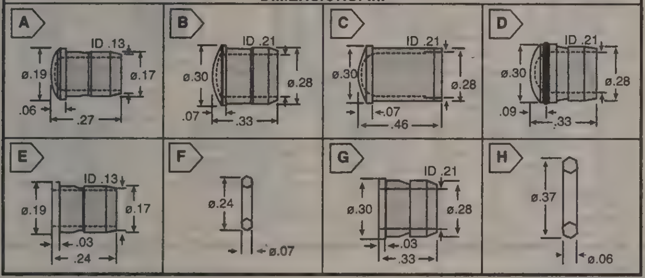
5mm Tri-Lead LED

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Length: in.	Price Each			
		1	10	100	500
.025" Header Post					
593-CNXDF4604	4	3.03	2.53	2.00	1.62
593-CNXDF4608	8	3.03	2.53	2.00	1.62
593-CNXDF4612	12	3.36	2.21	1.80	1.66
593-CNXDF4618	18	3.60	3.00	2.38	1.94
593-CNXDF4624	24	3.81	3.18	2.52	2.05
Stripped Ends					
593-CNXDX4604	4	1.95	1.63	1.30	1.05
593-CNXDX4608	8	1.95	1.30	1.05	.97
593-CNXDX4612	12	2.28	1.90	1.51	1.23
593-CNXDX4618	18	2.55	2.13	1.68	1.37
593-CNXDX4624	24	2.76	2.30	1.82	1.48

LOW PROFILE PANEL MOUNTS AND LENS FOR PBC MOUNTED LEDS

DIMENSIONS: in.



Low Profile Fresnel Lens

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Lens Color	Price Each			
				1	10	100	500
T1 (3mm), Mounting Hole 0.171"							
593-1700R	SMC170RTP	A	Red	.28	.24	.21	.17
593-1700A	SMC170ATP	A	Amber	.28	.24	.21	.17
593-1700Y	SMC170YTP	A	Yellow	.28	.24	.21	.17
593-1700G	SMC170GTP	A	Green	.28	.24	.21	.17
593-1700B	SMC170BTP	A	Blue	.28	.24	.21	.17
593-1700C	SMC170CTP	A	Clear	.28	.24	.21	.17
T1-3/4 (5mm), Mounting Hole 0.281"							
593-3210R	CMC321RTP	B	Red	.30	.26	.23	.19
593-3210A	CMC321ATP	B	Amber	.30	.26	.23	.19
593-3210Y	CMC321YTP	B	Yellow	.30	.26	.23	.19
593-3210G	CMC321GTP	B	Green	.30	.26	.23	.19
593-3210B	CMC321BTP	B	Blue	.30	.26	.23	.19
593-3210C	CMC321CTP	B	Clear	.30	.26	.23	.19
593-3250C	CML325CTP	C	Clear	.30	.27	.23	.20

Low Profile Diffused Lens

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Lens Color	Price Each			
				1	10	100	500
T1-3/4 (5mm), Mounting Hole 0.281"							
593-3130RTP	CMC313RTP	D	Red	.28	.24	.21	.17
593-3130ATP	CMC313ATP	D	Amber	.28	.24	.21	.17
593-3130YTP	CMC313YTP	D	Yellow	.28	.24	.21	.17
593-3130GTP	CMC313GTP	D	Green	.28	.24	.21	.17
593-3130BTP	CMC313BTP	D	Blue	.28	.24	.21	.17
593-3130CTP	CMC313CTP	D	Clear	.28	.24	.21	.17
T1-3/4 (5mm), Moisture Seal, Mounting Hole 0.281"							
593-3220R	CMS322RTP	D	Red	.90	.79	.68	.57
593-3220A	CMS322ATP	D	Amber	.90	.79	.68	.57
593-3220Y	CMS322YTP	D	Yellow	.90	.79	.68	.57
593-3220G	CMS322GTP	D	Green	.90	.79	.68	.57
593-3220B	CMS322BTP	D	Blue	.90	.79	.68	.57
593-3220C	CMS322CTP	D	Clear	.90	.79	.68	.57

Low Profile Plain End Lens

For quantities of 1000 and up, call for quote.

T1-3/4 (5mm), Mounting Hole 0.281"							
593-3230C	CMC323CTP	B	Clear	.30	.27	.23	.20
593-3270C	CML327CTP	C	Clear	.30	.27	.23	.20

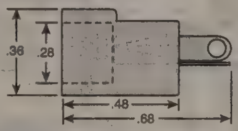
Mounts and Spacers

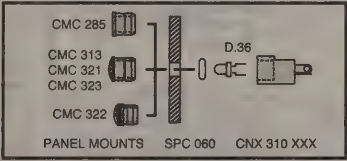
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Description	Price Each			
				1	10	100	500
3mm							
593-SMC130CTP	SMC130CTP	E	T1 Clear	.20	.18	.15	.13
593-SMC130BLK	SMC130BLK	E	T1 Black	.20	.18	.15	.13
593-SPC040	SPC040	F	T1 Spacer	.08	.07	.065	.06
5mm							
593-CMC285CTP	CMC285CTP	G	T1-3/4 Clear	.20	.18	.15	.13
593-CMC285BLK	CMC285BLK	G	T1-3/4 Black	.17	.15	.13	.11
593-SPC060	SPC060	H	T1-3/4 Spacer	.08	.07	.065	.06

SOLDERLESS LED CONNECTORS

1/4W Current limiting resistor built into the natural polypropylene housing. 1/2W Resistor can be built upon request. Terminals are phosphor bronze, tin plated.





For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Resistance Value (Ω)	Price Each			
		1	10	100	500
593-CNX310000	No resistor	.50	.47	.41	.36
593-CNX310033	330	.77	.73	.64	.56
593-CNX310056	560	.77	.73	.64	.56
593-CNX310120	1.2K	.77	.73	.64	.56
593-CNX310220	2.2K	.77	.73	.64	.56

PRESS-FIT MOISTURE SEALED LITEPIPE® ASSEMBLY

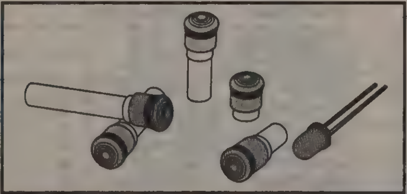
NEW FROM SUPPLIER

Features:

- Exceeds NEMA 4 rating
- 180° viewing angle for LEDs
- Panel Mount independent of circuit board

Installation:

593-RNG286 Must be used. Pass assembly through the panel opening and press retaining ring to secure unit to panel. Slide PCB into position aligning LED with end of the LITEPIPE® unit.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Color	Litepipe Length: in.	Price Each			
				1	10	100	500
593-LMS033RTP	LMS033RTP	Red	0.33	1.26	1.13	1.04	.99
593-LMS033GTP	LMS033GTP	Green	0.33	1.26	1.13	1.04	.99
593-LMS033CTP	LMS033CTP	Clear	0.33	1.26	1.13	1.04	.99
593-LMS053RTP	LMS053RTP	Red	0.53	1.26	1.13	1.04	.99
593-LMS053GTP	LMS053GTP	Green	0.53	1.26	1.13	1.04	.99
593-LMS053CTP	LMS053CTP	Clear	0.53	1.26	1.13	1.04	.99
593-LMS133RTP	LMS133RTP	Red	1.33	1.26	1.13	1.04	.99
593-LMS133GTP	LMS133GTP	Green	1.33	1.26	1.13	1.04	.99
593-LMS133CTP	LMS133CTP	Clear	1.33	1.26	1.13	1.04	.99

VCC LED Lenses and Mounting Components

RoHS Compliant This page of product is compliant.

CLIPLITE® ROUND LENS MOUNTS FOR T1 AND T1-3/4 LEDS

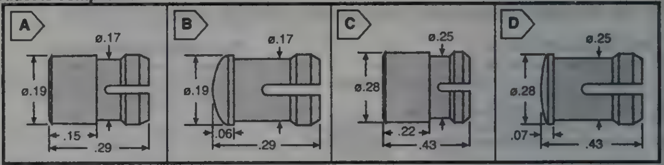
Features:

- Provides 180° viewing angles for LEDs
- Easy snap-mount method for front panel assembly
- ESD protection for LED and internal components to 16K volts
- Lens utilize striated lines and fresnel rings to increase apparent brightness up to 125%

Specifications:

- Lens material: Polycarbonate

DIMENSIONS: in.



T1 (3mm)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Mounting Hole: in.	Lens Color	Price Each			
					1	10	100	500
SML Series - Standard Height								
593-1900R	SML190RTP	A	.171	Red	.28	.24	.21	.17
593-1900A	SML190ATP	A	.171	Amber	.28	.24	.21	.17
593-1900Y	SML190YTP	A	.171	Yellow	.28	.24	.21	.17
593-1900G	SML190GTP	A	.171	Green	.28	.24	.21	.17
593-1900B	SML190BTP	A	.171	Blue	.28	.24	.21	.17
593-1900C	SML190CTP	A	.171	Clear	.28	.24	.21	.17
SMB Series - Low Profile								
593-2000R	SMB200RTP	B	.171	Red	.28	.24	.21	.17
593-2000A	SMB200ATP	B	.171	Amber	.28	.24	.21	.17
593-2000Y	SMB200YTP	B	.171	Yellow	.28	.24	.21	.17
593-2000G	SMB200GTP	B	.171	Green	.28	.24	.21	.17
593-2000B	SMB200BTP	B	.171	Blue	.28	.24	.21	.17
593-2000C	SMB200CTP	B	.171	Clear	.28	.24	.21	.17

T1-3/4 (5mm)

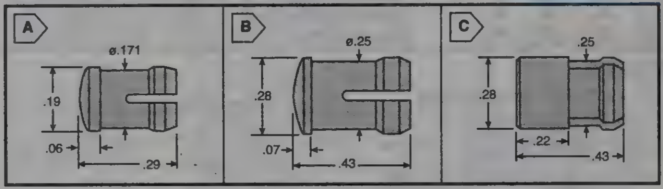
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Mounting Hole: in.	Lens Color	Price Each			
					1	10	100	500
CLF Series - Standard Height								
593-2800R	CLF280RTP	C	.25	Red	.30	.26	.23	.19
593-2800A	CLF280ATP	C	.25	Amber	.30	.26	.23	.19
593-2800Y	CLF280YTP	C	.25	Yellow	.30	.26	.23	.19
593-2800G	CLF280GTP	C	.25	Green	.30	.26	.23	.19
593-2800B	CLF280BTP	C	.25	Blue	.30	.26	.23	.19
593-2800C	CLF280CTP	C	.25	Clear	.30	.26	.23	.19
CLB Series - Low Profile								
593-3000R	CLB300RTP	D	.25	Red	.30	.26	.23	.19
593-3000A	CLB300ATP	D	.25	Amber	.30	.26	.23	.19
593-3000Y	CLB300YTP	D	.25	Yellow	.30	.26	.23	.19
593-3000G	CLB300GTP	D	.25	Green	.30	.26	.23	.19
593-3000B	CLB300BTP	D	.25	Blue	.30	.26	.23	.19
593-3000C	CLB300CTP	D	.25	Clear	.30	.26	.23	.19

CUBELITE® SQUARE LENS MOUNTS FOR T1 AND T1-3/4 LEDS

DIMENSIONS: in.

NEW PRODUCT



T1 (3mm) SMQ Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Litepipe Length: in.	Price Each			
				1	10	100	500
593-2500R	SMQ250RTP	A	Red	.30	.26	.23	.19
593-2500A	SMQ250ATP	A	Amber	.30	.26	.23	.19
593-2500Y	SMQ250YTP	A	Yellow	.30	.26	.23	.19
593-2500G	SMQ250GTP	A	Green	.30	.26	.23	.19
593-2500B	SMQ250BTP	A	Blue	.30	.26	.23	.19
593-2500C	SMQ250CTP	A	Clear	.30	.26	.23	.19

T1-3/4 (5mm) SQB Series

For quantities of 1000 and up, call for quote.

593-4000R	SQB400RTP	B	Red	.30	.26	.23	.19
593-4000A	SQB400ATP	B	Amber	.30	.26	.23	.19
593-4000Y	SQB400YTP	B	Yellow	.30	.26	.23	.19
593-4000G	SQB400GTP	B	Green	.30	.26	.23	.19
593-4000B	SQB400BTP	B	Blue	.30	.26	.23	.19
593-4000C	SQB400CTP	B	Clear	.30	.26	.23	.19

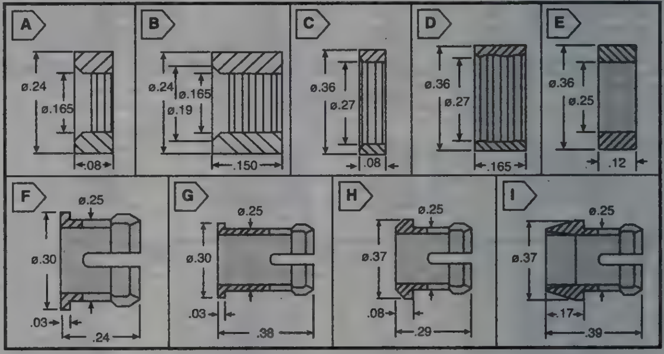
T1-3/4 (5mm) SQL Series

For quantities of 1000 and up, call for quote.

593-3600R	SQL360RTP	C	Red	.30	.26	.23	.19
593-3600A	SQL360ATP	C	Amber	.30	.26	.23	.19
593-3600Y	SQL360YTP	C	Yellow	.30	.26	.23	.19
593-3600G	SQL360GTP	C	Green	.30	.26	.23	.19
593-3600B	SQL360BTP	C	Blue	.30	.26	.23	.19
593-3600C	SQL360CTP	C	Clear	.30	.26	.23	.19

RETAINING RINGS, MOUNTING CLIPS, AND SPACERS FOR LENSES

DIMENSIONS: in.



Retaining Rings

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
593-RNG132	A	For SMC Series	.06	.053	.051
593-RNG165	B	For SML, SMB, and SMQ Series	.06	.053	.051
593-RNG234	C	For CMC Series	.06	.053	.051
593-RNG268	D	For CLF, CLB, and SQB Series	.06	.053	.051

LED Spacer

For quantities of 1000 and up, call for quote.

593-SPC125	E	Spacer for CLB Series	.06	.053	.051

Mounting Clips

For quantities of 1000 and up, call for quote.

593-CLP125	F	Standard Clip	.06	.053	.051
593-CLP126	G	Extended Clip	.06	.053	.051
593-CLP127	H	Outer Reflector Clip	.06	.053	.051
593-CLP129	I	Inner Reflector Clip	.06	.053	.051

LITEPIPES

Material Specifications:

- Litepipe: acrylic (optical grade)

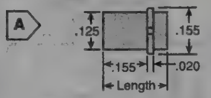
Mounting Specifications:

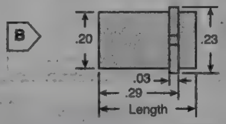
- **T1 (3mm)**: mates with lens SMB 200. Panel mounting hole .171 (4.3mm) on 1/4" centers. Panel thickness 1/32" to 1/8". Litepipe lengths from .200" to 1.200".
- **T1-3/4 (5mm)**: mate with lens CLB 300 and SQB 400. Panel mounting hole .250 (6.35mm) on 3/8" centers. Panel thickness 1/32" to 1/4". Lengths from .360" to 1.360". For panels less than 3/16" use SPC 125 spacer.

Standoff Specifications:

- Use VCC's standoff to adjust the height of a standard LED above the PCB and maintain a maximum .050" clearance between litepipe and LED.

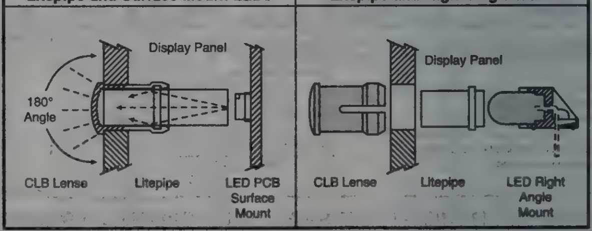
DIMENSIONS: in.





Litepipe and Surface Mount LEDs

Litepipe and Right Angle LEDs



T1 (3mm) LSV Series LEDs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Litepipe Length: in.	Price Each			
				1	10	100	500
593-LSV020C	LSV020CTP	A	.20	.30	.27	.25	.23
593-LSV040C	LSV040CTP	A	.40	.30	.27	.25	.23
593-LSV060C	LSV060CTP	A	.60	.30	.27	.25	.23
593-LSV080C	LSV080CTP	A	.80	.30	.27	.25	.23
593-LSV100C	LSV100CTP	A	1.00	.30	.27	.25	.23
593-LSV120C	LSV120CTP	A	1.20	.30	.27	.25	.23

T1-3/4 (5mm) LCV Series LEDs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Fig.	Litepipe Length: in.	Price Each			
				1	10	100	500
593-LCV036C	LCV036CTP	B	.36	.30	.27	.25	.23
593-LCV056C	LCV056CTP	B	.56	.30	.27	.25	.23
593-LCV076C	LCV076CTP	B	.76	.30	.27	.25	.23
593-LCV096C	LCV096CTP	B	.96	.30	.27	.25	.23
593-LCV116C	LCV116CTP	B	1.16	.30	.27	.25	.23
593-LCV136C	LCV136CTP	B	1.36	.30	.27	.25	.23

VCC LED Light Pipes and Mounting Components

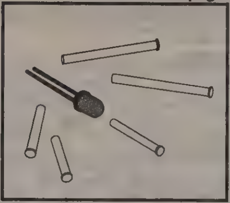
RoHS Compliant **This page of product is compliant.**

2.5MM "MICRO" LIEPIPE ASSEMBLIES

Material Specifications:
- Litepipe: Acrylic (optical grade)
- Grommet: Polyethylene (black)

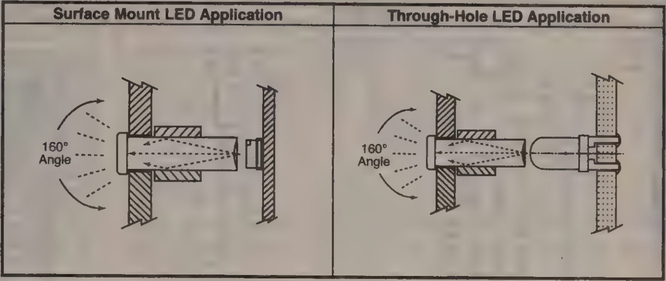
Mounting Specifications:
- Panel hole: Round .102" Dia. (2.59mm)
- Panel thickness: 1/32" to 1/8"
- Use grommet retainer (RTN100)

Standoff Recommendation:
- Use standoff to adjust height of standard LED above PCB in order to maintain a maximum .050" clearance between LITEPIPE and LED.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	VCC Part No.	Length: in.	Price Each			
			1	10	100	500
593-LMC020CTP	LMC020CTP	0.200	.38	.34	.29	.25
593-LMC040CTP	LMC040CTP	0.400	.38	.34	.29	.25
593-LMC060CTP	LMC060CTP	0.600	.38	.34	.29	.25
593-LMC080CTP	LMC080CTP	0.800	.38	.34	.29	.25
593-LMC100CTP	LMC100CTP	1.000	.38	.34	.29	.25
593-LMC120CTP	LMC120CTP	1.200	.38	.34	.29	.25


Surface Mount LED Application
Through-Hole LED Application

Grommet

For quantities of 1000 and up, call for quote.

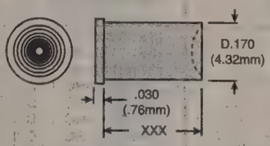
MOUSER STOCK NO.	VCC Part No.	Price Each			
		1	10	100	500
593-RTN100	RTN100	.09	.08	.07	.06

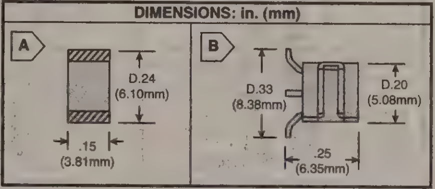
LIGHTPIPES FOR SURFACE MOUNT LEDS

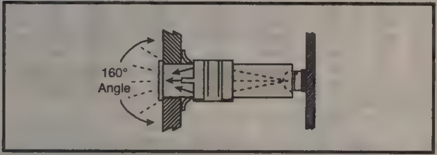
Material Specifications:
- Litepipe: Acrylic (optical grade)
- Grommet: Polyethylene (black)
- Spring Clip: Spring steel, Nickel plated

Mounting Specifications:
- Panel hole: Round .171" Dia. (4.32mm)
- Panel thickness: .062" min. (1.57mm)
- Litepipes from .200" to .500" use grommet retainer
- Litepipes from .500" to 2.00" the spring clip is recommended for rigidity

Features:
- Surface mount, vertical and horizontal 3mm LEDs, litepipes for blending multicolor LEDs are available on special request.




DIMENSIONS: in. (mm)



Lightpipes

For quantities of 1000 and up, call for quote.

.20" to 1.00" lengths			
Price Each			
1	10	100	500
.44	.40	.33	.31

1.25" to 2.00" lengths			
Price Each			
1	10	100	500
.40	.35	.30	.25

Additional sizes are available, contact Mouser sales department.

Mounts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
593-RTN150	A	Grommet	.11	.09	.09	.08
593-RTN250	B	Spring Clip	.12	.10	.07	.06

593-RTN150 for use with .200 to .500, 593-RTN250 for all other lengths.

MOUSER STOCK NO.	Length: in.
593-LPC020	.20
593-LPC022	.22
593-LPC024	.24
593-LPC026	.26
593-LPC028	.28

MOUSER STOCK NO.	Length: in.
593-LPC030	.30
593-LPC032	.32
593-LPC034	.34
593-LPC036	.36
593-LPC038	.38

MOUSER STOCK NO.	Length: in.
593-LPC040	.40
593-LPC042	.42
593-LPC044	.44
593-LPC046	.46
593-LPC048	.48

MOUSER STOCK NO.	Length: in.
593-LPC050	.50
593-LPC056	.56
593-LPC060	.60
593-LPC066	.66
593-LPC070	.70

MOUSER STOCK NO.	Length: in.
593-LPC076	.76
593-LPC080	.80
593-LPC086	.86
593-LPC090	.90
593-LPC096	.96

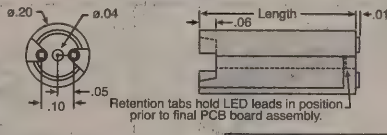
MOUSER STOCK NO.	Length: in.
593-LPC100	1.00
593-LPC125	1.25
593-LPC150	1.50
593-LPC175	1.75
593-LPC200	2.00

PCB STANDOFFS FOR BI AND TRI-LEAD COMPONENTS

Standoffs are designed for printed circuit board mounting of multi-lead devices ie. LEDs. They cope with various problems in mounting passive components. They include height control, lateral stability, lead retention, lead shorting, and solder flux removal. Device height control is simplified with mounts ranging in lengths from .12" to 1.0"

- Material: thermoplastic (black) UL 94V-0

DIMENSIONS: in.



Retention tabs hold LED leads in position prior to final PCB board assembly.

.12" to .48" lengths			
Price Each			
1	10	100	500
.08	.07	.067	.06

.50" to 1.0" lengths			
Price Each			
1	10	100	500
.09	.082	.078	.068

MOUSER STOCK NO.	Length: in.
593-STD120B	.12
593-STD140B	.14
593-STD160B	.16
593-STD180B	.18
593-STD200B	.20

MOUSER STOCK NO.	Length: in.
593-STD220B	.22
593-STD240B	.24
593-STD250B	.25
593-STD260B	.26
593-STD280B	.28

MOUSER STOCK NO.	Length: in.
593-STD300B	.30
593-STD320B	.32
593-STD340B	.34
593-STD360B	.36
593-STD380B	.38

MOUSER STOCK NO.	Length: in.
593-STD400B	.40
593-STD420B	.42
593-STD440B	.44
593-STD460B	.46
593-STD480B	.48

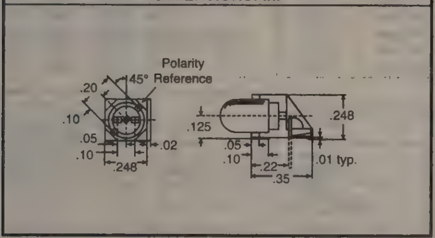
MOUSER STOCK NO.	Length: in.
593-STD500B	.50
593-STD550B	.55
593-STD600B	.60
593-STD650B	.65
593-STD700B	.70

MOUSER STOCK NO.	Length: in.
593-STD750B	.75
593-STD800B	.80
593-STD850B	.85
593-STD900B	.90
593-STD950B	.95
593-STD1.0B	1.0

PCB MOUNTS FOR BI AND TRI-LEAD LEDS

Allows the right angle mounting of 5mm LEDs used as diagnostic and logic indicator lights of PC boards. Permits the right angle mounting of the bi-lead as well as both configurations of the tri-lead LED.

DIMENSIONS: in.



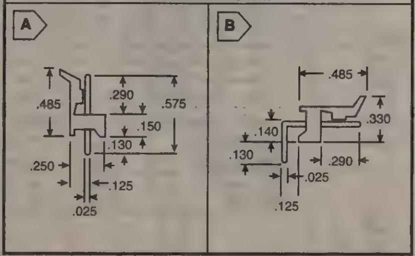
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	100
593-PCH175	.10	.085	.078

TWO POSITION PCB MOUNTS

Specifically made for VCC's header post that are used on cable assemblies. This allows a proper lock of the two parts to resist disconnecting under normal use.

DIMENSIONS: in.

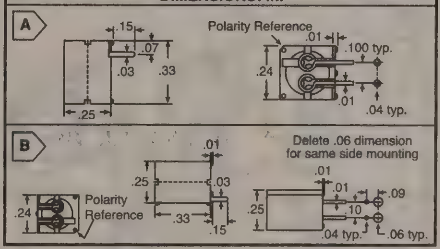


For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
593-CNXV02NTP	A	Vertical	.20	.18	.17	.17
593-CNXH02NTP	B	Horizontal	.56	.48	.42	.32

P-C LITE CIRCUIT BOARD SOCKETS FOR T1 (3MM) AND T1-3/4 (5MM) LEDS

DIMENSIONS: in.



For quantities of 1000 and up, call for quote.

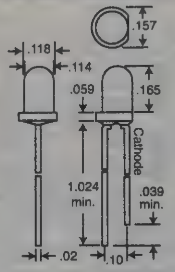
MOUSER STOCK NO.	Fig.	No. of Positions	Price Each			
			1	10	100	500
Thru-Hole, Horizontal Socket						
593-PCH330	A	1	.58	.54	.50	.45
Thru-Hole, Vertical Socket						
593-PCV220	B	1	.58	.54	.49	.45

LED Lamps and Indicators

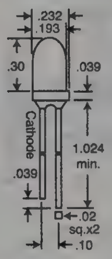
Products may be RoHS compliant. Check mouser.com for RoHS status.

DIMENSIONS: in.

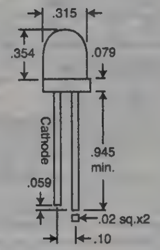
A



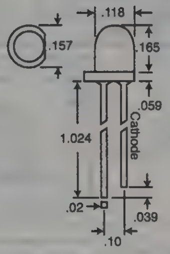
B



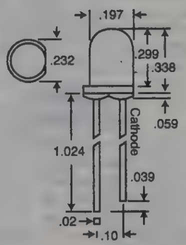
C



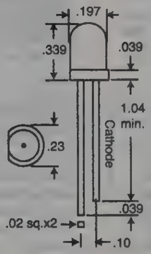
D



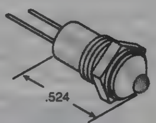
E



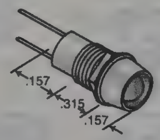
F



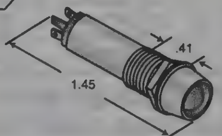
G



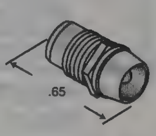
H



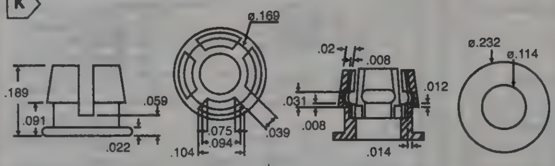
I



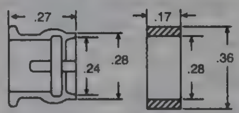
J



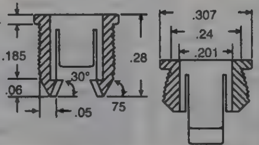
K



L



M



XICON STANDARD LED LAMPS

- Reverse voltage: 5V max.

✱✱ Not RoHs Compliant

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-Length (nm)	Viewing Angle	Price Each		
		LED	Lens	Min.	Max.	Min.	Typ.			1	100	500
T-1 Miniature Size (3mm)												
351-3102-RC	A	Red	Red Diffus.	1.7	2.6	3.0	4.5	697	36°	.19	.14	.13
351-3103-RC	A	Green	Green Diff.	1.7	2.6	12.0	30.0	565	36°	.19	.14	.13
T-1 3/4 Standard Size (5mm)												
351-5022-RC	B	Red	Red Diffus.	1.7	2.6	3.0	4.5	697	36°	.19	.14	.13
351-5023-RC	B	Green	Green Diff.	1.7	2.6	20.0	30.0	565	36°	.19	.14	.13
Jumbo Size (8mm)												
351-7542 ✱✱	C	Red	Red Diffus.	2.1	3.0	4.1	10.3	635	40°	.66	.44	.40
351-7540 ✱✱	C	Green	Green Diff.	2.1	3.0	3.5	8.9	567	40°	.69	.47	.43
351-7541 ✱✱	C	Yellow	Yellow Diff.	2.1	3.0	2.9	7.3	585	40°	.74	.49	.45

XICON SUPER-BRIGHT LED LAMPS

T-1 Miniature Size (3mm)

- Operating temperature: 20°C to 80°C
- Storage temperature: 30°C to 100°C
- Reverse current: 100μA
- Reverse voltage: 5V max.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color		Forward Voltage @ I_F = 20mA		Luminous Intensity @ 20mA(mcd)		Peak Wave-Length (nm)	Viewing Angle	Price Each		
		LED	Lens	Typ.	Max.	Min.	Typ.			1	10	100
351-3232-RC	D	Red	Diffused	1.5	2.4	90	180	660	36°	.30	.25	.22
351-3242-RC	D	Green	Diffused	1.7	2.8	50	90	565	36°	.30	.25	.22
351-3252-RC	D	Yellow	Diffused	1.7	2.8	120	220	590	36°	.30	.25	.22
351-3231-RC	D	Red	Transparent	1.5	2.4	220	350	660	30°	.30	.25	.22
351-3241-RC	D	Green	Transparent	1.7	2.6	120	220	565	30°	.30	.25	.22
351-3251-RC	D	Yellow	Transparent	1.7	2.6	300	450	590	30°	.30	.25	.22
351-3230-RC	D	Red	Water Clear	1.5	2.4	220	350	660	30°	.30	.25	.22
351-3240-RC	D	Green	Water Clear	1.7	2.6	120	220	565	30°	.30	.25	.22
351-3250-RC	D	Yellow	Water Clear	1.7	2.6	300	450	590	30°	.30	.25	.22
351-3310-RC	D	Blue	Water Clear	3.5	4.0	900	1800	470	30°	1.50	1.25	1.00
351-3312-RC	D	White	Water Clear	3.5	4.0	1800	3000	470	30°	1.70	1.45	1.25
351-3314-RC	D	Violet	Water Clear	3.0	4.0	65	110	400	30°	1.65	1.30	1.05
351-3316-RC	D	Green	Water Clear	3.5	4.0	1500	2700	518	30°	1.65	1.30	1.05

T-1 3/4 Standard Size (5mm)

- Reverse current: 100μA
- Reverse voltage: 5V max.

RoHS Compliant

For quantities of 500 and up, call for quote.

351-5111-RC	E	Red	Diffused	1.5	2.4	160	300	660	36°	.30	.25	.22
351-5502-RC	E	Green	Diffused	1.7	2.6	50	90	565	36°	.30	.25	.22
351-5302-RC	E	Yellow	Diffused	1.7	2.6	220	350	590	36°	.30	.25	.22
351-5110-RC	E	Red	Transparent	1.5	2.4	450	700	660	20°	.30	.25	.22
351-5501-RC	E	Green	Transparent	1.7	2.6	300	450	565	20°	.30	.25	.22
351-5301-RC	E	Yellow	Transparent	1.7	2.6	900	1800	590	20°	.30	.25	.22
351-5100-RC	E	Red	Water Clear	1.5	2.4	550	900	660	20°	.24	.20	.18
351-5200-RC	E	Red	Water Clear	1.5	2.4	1100	1800	660	20°	.77	.64	.58
351-5500-RC	E	Green	Water Clear	1.7	2.6	350	550	565	20°	.24	.20	.18
351-5300-RC	E	Yellow	Water Clear	1.7	2.6	900	2200	590	20°	.24	.20	.18

XICON BLINKING LEDS

- Ta = 25°C Test Condition @ 5V (Typical Characteristics)

RoHS Compliant

For quantities of 500 and up, call for quote.

351-8001-RC	F	Red	Red Diffus.	3.0	12	1.7	2.8	697	16°	1.17	.99	.79

SCI LED INDICATORS

Standard T-1 (3mm) LED Indicator Assembly

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color	Lens	Mounting Hole (in.)	Forward Voltage (V)	Price Each			
Mfr.	Mfr. Part Number						1	10	100	500
358	**R9-103L-12-RD**	G	Red	Red Diffused	0.244	2.0	1.55	1.40	1.24	1.18
358	**R9-103L-12-GD**	G	Green	Green Diffused	0.244	2.1	1.63	1.46	1.30	1.24
358	**R9-103L-12-YD**	G	Yellow	Yellow Diffused	0.244	2.1	1.63	1.46	1.30	1.24
358	**R9-103L-12-UD**	G	Blue	Blue Diffused	0.244	3.4	2.80	2.52	2.24	2.13
358	**R9-103L-12-WD**	G	White	White Diffused	0.244	3.6	2.60	2.34	2.08	1.98

Standard T-1 3/4 (5mm) LED Indicator Assembly with Chrome Bezel

✱ Dropping resistor included

RoHS Compliant

For quantities of 1000 and up, call for quote.

358—R9-104L-12-R	H	Red	Water Clear	0.323	1.9	1.75	1.58	1.40	1.33
358—R9-104L-12-G	H	Green	Water Clear	0.323	1.9	1.63	1.46	1.30	1.24
358—R9-104L-12-Y	H	Yellow	Water Clear	0.323	2.0	1.85	1.67	1.48	1.41
358—R9-104L-12-U	H	Blue	Water Clear	0.323	3.2	2.95	2.66	2.36	2.24
358—R9-104L-12-W	H	White	Water Clear	0.323	3.2	2.95	2.66	2.66	2.24
358—R9-104L-12-RD	H	Red	Red Diffused	0.323	2.0	1.85	1.67	1.48	1.41
358—R9-104L-12-GD	H	Green	Green Diffused	0.323	2.1	1.90	1.71	1.52	1.44
358—R9-104L-12-YD	H	Yellow	Yellow Diffused	0.323	2.0	1.85	1.67	1.48	1.41
358—R9-104L-12-UD	H	Blue	Blue Diffused	0.323	3.1	2.95	2.66	2.36	2.24
358—R9-104L-12-WD	H	White	Blue Diffused	0.323	3.3	2.95	2.66	2.36	2.24
✱**358—R9-63L-RED-6V**	I	Red	Red Diffused	0.323	6.0	2.35	2.12	1.88	1.79
✱**358—R9-63L-RED-12V**	I	Red	Red Diffused	0.323	12.0	2.35	2.12	1.88	1.79

Chasis Mount T-1 3/4 LED Bezel

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Bezel Color	Mounting Hole (in.)	Description	Price Each			
					1	10	100	500
351-1000	J	Black	5/16	For mounting	1.10	.85	.77	.70
351-1001	J	Chrome	5/16	T-1 3/4 size LEDs	.96	.74	.67	.61

LED Panel Mounting Clips

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Size	Description	Price Each			
					1	100	500	1000
351-0001-RC	K	Black	T-1	One piece	.15	.10	.09	.07
351-0002-RC	L	Black	T-1 3/4	Two piece	.15	.10	.09	.07
351-0004-RC	M	Black	T-1 3/4	One piece	.13	.07	.06	.045

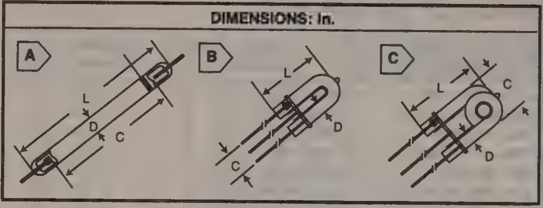
Lamps, Flash Tubes, and Transformers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

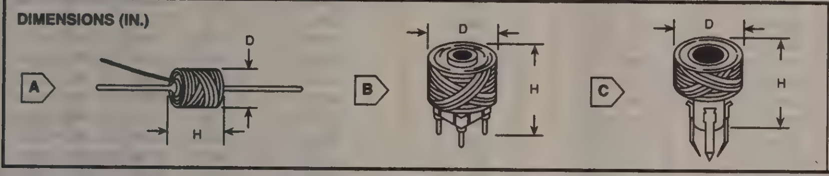
XICON FLASH TUBES

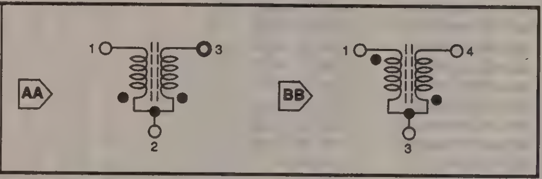
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Type	Dimensions (In.) L	D	C	Nominal Anode Voltage	Min. Trigger Voltage	Flash Energy (WS)	Life Flashes	Price Each 1	10	100
36FT050	A	FT-4050	1.97	.16	1.38	360	4KV	60	5,000	3.50	2.90	2.65
36FT106	B	FT6531	1.50	.24	.53	300	6KV	60	10,000	3.80	3.19	2.90
361-4425	B	U-4425	1.26	.24	.39	300	4KV	4	1,000,000	5.85	5.32	4.84
361-8538	B	U-8538	1.77	.31	.67	400	6KV	100	10,000	6.92	6.29	5.72
361-0218	C	FT-218	2.16	.31	1.30	450	6KV	30	300,000	15.17	13.79	12.54


DIMENSIONS: In.

XICON H/V TRIGGER TRANSFORMERS


DIMENSIONS (IN.)



- See capacitor section of this catalog for related products

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Schematic	Volts Input	Output	Dimensions (In.) H	D	Price Each 1	10	100	500
422-1304	A	AA	300	4000	.60	.35	2.19	1.86	1.68	1.53
422-2304	B	BB	300	4000	.63	.50	2.79	2.45	2.23	2.02

- See capacitor section of this catalog for related products

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	Fig.	Schematic	Volts Input	Output	Dimensions (In.) H	D	Price Each 1	10	100	500
422-3306	C	BB	300	6000	.75	.60	2.79	2.45	2.23	2.02
422-2310	B	BB	300	10000	.75	.85	2.74	2.51	2.27	2.08

XICON LED INDICATORS

Chasis Mount T-1 3/4 LED Bezel

For quantities of 1000 and up, call for quote.

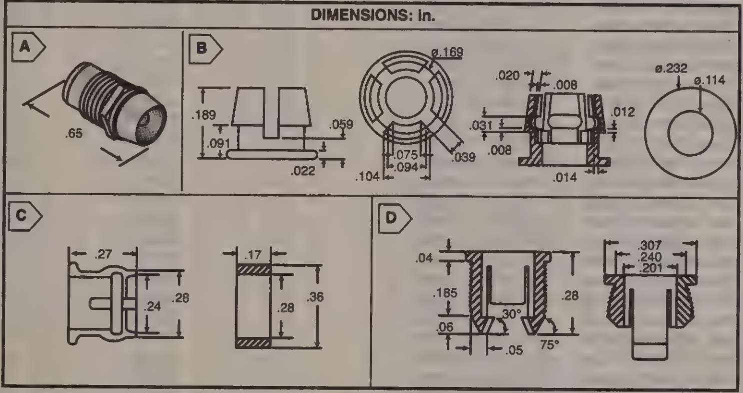
MOUSER STOCK NO.	Fig.	Bezel Color	Mtg. Hole (In.)	Description	Price Each 1	10	100	500
351-1000	A	Black	5/16	For mounting	1.31	1.08	.92	.83
351-1001	A	Chrome	5/16	T-1 3/4 size LEDs	1.63	1.26	1.14	1.04

RoHS Compliant

LED Panel Mounting Clips

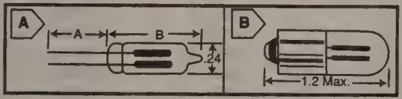
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Size	Description	Price Each 1	100	500	1000
351-0001-RC	B	Black	T-1	One piece	.15	.10	.09	.07
351-0002-RC	C	Black	T-1 3/4	Two piece	.15	.10	.09	.07
351-0003-RC	D	black	T-1 3/4	One piece	.13	.07	.06	.05


DIMENSIONS: In.

XICON NEON LAMPS

- Neon lamps are used for indicators and circuit control applications
- Ideal for line-voltage AC and 90V and up DC applications



DIMENSIONS: In.

High Brightness

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Breakdown Voltage (max.) AC/DC	Nominal Current (mA)	Nominal Watts (W)	Dimensions (In.) A	B	Price Each 1	10	100
36NE004	A	A1C	95/135	1.2	1/7	1.18	.47	.28	.22	.18
36NE005	A	NE-2H	95/135	1.2	1/7	1.18	.63	.29	.25	.20

Standard

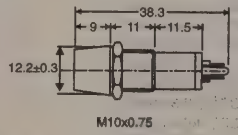
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Breakdown Voltage (max.) AC/DC	Nominal Current (mA)	Nominal Watts (W)	Dimensions (In.) A	B	Price Each 1	10	100
36NE006	A	A1B	65/90	.3	1/25	1.18	.47	.23	.18	.15
36NE007	A	NE-2E	65/90	.3	1/25	1.18	.63	.24	.20	.16
36NE002	A	NE-2	65/90	.5	1/25	1.18	.68	.23	.18	.15
36NE003	A	NE2B	65/90	.5	1/25	1.18	.47	.23	.18	.15
36NE051	B	NE-51	45/85	.3	1/25	- - -	- - -	1.96	1.64	1.49

SHIN CHIN SQUARE 110 VAC NEON INDICATOR

- Sealed plastic neon indicator with internal dropping resistor
- Chrome-plated facing nut
- Phenolic Base
- Nickel Plated Brass Terminal

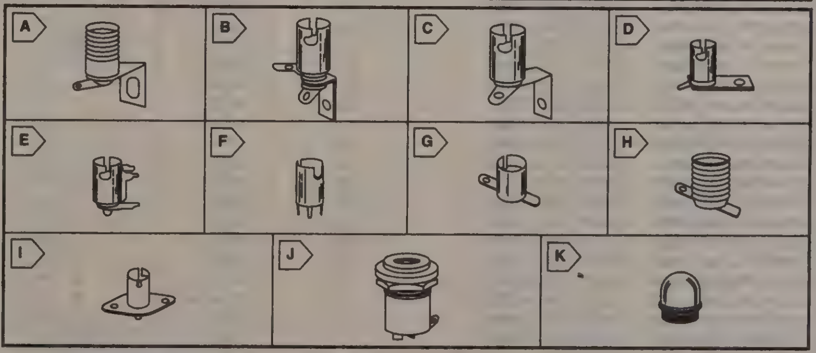
DIMENSIONS: mm



RoHS Compliant

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Lens Color	Mounting Hole (mm)	Price Each 1	10	100	500
362—	R9-40N4-05-R	Red	10.2	1.55	1.40	1.24	1.18
362—	R9-40N4-05-G	Green	10.2	1.55	1.40	1.24	1.18
362—	R9-40N4-05-Y	Yellow	10.2	1.55	1.40	1.24	1.18

XICON LAMP SOCKETS



For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Fig.	Type	Price Each 1	10	100
35LH002	A	T-3 1/4 screw-mini, non-insulated	.66	.51	.46
35LH003	B	T-3 1/4 bayonet-mini, insulated	2.36	1.86	1.74
35LH004	C	T-3 1/4 bayonet-mini, non-insulated	2.36	1.86	1.74
35LH005	D	T-3 1/4 bayonet-mini, insulated	2.36	1.86	1.74
35LH006	E	T-3 1/4 bayonet-mini, insulated	2.49	1.96	1.83
35LH007	F	T-3 1/4 bayonet-mini, insulated	2.07	1.63	1.52
35LH008	G	T-3 1/4 bayonet-mini, insulated	2.07	1.63	1.52
35LH010	H	T-3 1/4 screw-mini, insulated	.55	.43	.40
35LH011	I	T-3 1/4 bayonet-mini, insulated	2.07	1.63	1.52
352-0100	J	T-1 3/4 midget screw, insulated	1.26	1.05	.95
352-0103	K	Clear plastic lens for part no. 352-0100	.40	.27	.25

AVAGO Optocouplers

AVAGO OPTOCOUPLERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Number of Channels	Package	Forward on Current (mA)	Total Power Dissipation (mW)	Isolation Voltage (V_{RMS})	Price Each			
							1	10	50	100
630-4N25-000E	4N25-000E	-	DIP-6	80	250	2500	.30	.23	.20	.17
630-4N25-W00E	4N25-W00E	-	DIP-6	80	250	2500	.34	.27	.23	.19
630-4N35-000E	4N35-000E	-	DIP-6	60	350	3550	.30	.23	.20	.17
630-4N35-W60E	4N35-W60E	-	DIP-6	60	350	3550	.37	.29	.25	.21
630-4N46-000E	4N46-000E	-	DIP-6	20	100	3750	2.43	1.94	1.75	1.60
630-5962-8876801PA	5962-8876801PA	1	DIP-8	20	200	-	116.80	99.28	87.60	78.84
630-5962-8876901PC	5962-8876901PC	2	DIP-8	20	200	-	135.00	114.75	101.25	91.13
630-5962-8978501PA	5962-8978501PA	2	DIP-8	40	200	-	88.92	75.58	66.69	60.02
630-5962-8978501PC	5962-8978501PC	2	DIP-8	40	200	-	88.42	75.16	66.32	59.68
630-6N135-000E	6N135-000E	1	DIP-8	8	100	3750	1.01	.83	.74	.68
630-6N136-000E	6N136-000E	1	DIP-8	8	100	3750	1.01	.83	.74	.68
630-6N136-300E	6N136-300E	1	SO-8	8	100	3750	1.06	.87	.78	.71
630-6N137-000E	6N137-000E	1	DIP-8	15	85	3750	1.13	.93	.83	.75
630-6N137-300E	6N137-300E	1	SO-8	15	85	3750	1.17	.96	.86	.78
630-6N138-000E	6N138-000E	1	DIP-8	20	135	3750	1.01	.83	.74	.68
630-6N139-000E	6N139-000E	1	DIP-8	20	135	3750	1.01	.83	.74	.68
630-6N139-500E	6N139-500E	1	SO-8	20	135	3750	1.06	.87	.78	.71
630-6N140A	6N140A	4	DIP-16	40	200	-	70.00	59.50	57.75	52.50
630-8302401EA	8302401EA	4	DIP-16	10	200	1500	76.50	65.03	57.38	51.64
630-8302401EC	8302401EC	4	DIP-16	10	200	1500	76.00	64.60	57.00	51.30
630-ACPL-072L-000E	ACPL-072L-000E	1	SO-8	10	150	3750	5.40	4.44	3.96	3.60
630-ACSL-6210-00RE	ACSL-6210-00RE	2	SO-8	2.7	60	2500	2.70	2.22	1.98	1.80
630-ACSL-6400-00TE	ACSL-6400-00TE	4	SO-16	2.7	60	2500	5.40	4.44	3.96	3.60
630-CNY17-2-000E	CNY17-2-000E	1	DIP-6	0.3	250	5000	.30	.23	.20	.17
630-CNY17-3-000E	CNY17-3-000E	1	DIP-6	0.3	250	5000	.30	.23	.20	.17
630-CNY17-4-000E	CNY17-4-000E	1	DIP-6	0.3	250	5000	.30	.23	.20	.17
630-HCNR200-000E	HCNR200-000E	1	DIP-8	25	60	1414	2.99	2.46	2.19	1.99
630-HCNR200-300E	HCNR200-300E	1	SO-8	25	60	1414	3.04	2.49	2.23	2.02
630-HCNR201-000E	HCNR201-000E	1	DIP-8	25	60	1414	3.98	3.27	2.92	2.65
630-HCNR201-300E	HCNR201-300E	1	SO-8	25	60	1414	4.03	3.31	2.95	2.68
630-HCNW135-000E	HCNW135-000E	1	DIP-8	16	700	5000	1.71	1.41	1.25	1.14
630-HCNW136-000E	HCNW136-000E	1	DIP-8	16	700	5000	1.80	1.48	1.40	1.32
630-HCNW137-000E	HCNW137-000E	1	DIP-8	5	700	5000	2.12	1.74	1.55	1.41
630-HCNW139-000E	HCNW139-000E	1	DIP-8	0.4	700	1414	2.41	1.98	1.77	1.61
630-HCNW139-300E	HCNW139-300E	1	SO-8	0.4	700	5000	2.45	2.02	1.80	1.64
630-HCNW2201-000E	HCNW2201-000E	1	DIP-8	1.6	600	5000	2.90	2.38	2.13	1.94
630-HCNW2211-000E	HCNW2211-000E	1	DIP-8	1.6	600	5000	3.15	2.59	2.31	2.10
630-HCNW2211-300E	HCNW2211-300E	1	SO-8	1.6	600	5000	3.20	2.63	2.34	2.13
630-HCNW2601-000E	HCNW2601-000E	1	DIP-8	5	600	5000	2.50	2.05	1.83	1.67
630-HCNW2611-000E	HCNW2611-000E	1	DIP-8	1.6	600	5000	2.70	2.22	1.98	1.80
630-HCNW2611-300E	HCNW2611-300E	1	SO-8	1.6	600	5000	2.75	2.26	2.01	1.83
630-HCNW3120-000E	HCNW3120-000E	1	DIP-8	10	700	5000	3.49	2.87	2.56	2.33
630-HCNW4502-000E	HCNW4502-000E	1	DIP-8	16	700	5000	1.80	1.48	1.32	1.20
630-HCNW4503-000E	HCNW4503-000E	1	DIP-8	16	700	5000	2.41	1.98	1.77	1.61
630-HCNW4503-300E	HCNW4503-300E	1	SO-8	16	700	5000	2.45	2.02	1.80	1.64
630-HCNW4504-300E	HCNW4504-300E	1	DIP-8	12	100	5000	2.72	2.24	2.00	1.82
630-HCNW4506-000E	HCNW4506-000E	1	DIP-8	10	145	3750	2.75	2.26	2.01	1.83
630-HCNW4506-300E	HCNW4506-300E	1	SO-8	10	145	3750	2.79	2.29	2.05	1.86
630-HCPL-0201-000E	HCPL-0201-000E	1	DIP-8	1.6	600	3750	2.66	2.18	1.95	1.77
630-HCPL-0201-500E	HCPL-0201-500E	1	SO-8	1.6	600	3750	2.40	2.10	1.98	1.68
630-HCPL-0211-000E	HCPL-0211-000E	1	DIP-8	1.6	600	3750	3.06	2.52	2.24	2.04
630-HCPL-0211-500E	HCPL-0211-500E	1	SO-8	1.6	600	3750	2.76	2.42	2.28	1.93
630-HCPL-0300-000E	HCPL-0300-000E	1	SO-8	0.5	600	3750	5.78	4.75	4.24	3.86
630-HCPL-0314-000E	HCPL-0314-000E	1	SO-8	8	400	3750	1.69	1.39	1.24	1.13
630-HCPL-0370-000E	HCPL-0370-000E	1	SO-8	50	275	3750	3.22	2.65	2.36	2.15
630-HCPL-0452-000E	HCPL-0452-000E	1	SO-8	16	600	3750	1.33	1.09	.97	.89
630-HCPL-0453-000E	HCPL-0453-000E	1	SO-8	16	600	3750	1.85	1.52	1.35	1.23
630-HCPL-0454-000E	HCPL-0454-000E	1	SO-8	16	600	3750	2.07	1.70	1.52	1.38
630-HCPL-0500-000E	HCPL-0500-000E	1	SO-8	16	600	3750	1.17	.96	.86	.78
630-HCPL-0501-000E	HCPL-0501-000E	1	SO-8	16	600	3750	1.31	1.07	.96	.87
630-HCPL-0501-500E	HCPL-0501-500E	1	SO-8	16	600	3750	1.35	1.11	.99	.90
630-HCPL-0530-000E	HCPL-0530-000E	2	SO-8	16	600	3750	3.04	2.50	2.23	2.03
630-HCPL-0531-000E	HCPL-0531-000E	2	SO-8	16	600	3750	3.15	2.59	2.31	2.10
630-HCPL-0531-500E	HCPL-0531-500E	2	SO-8	16	600	3750	2.84	2.49	2.34	1.99
630-HCPL-053L-000E	HCPL-053L-000E	2	SO-8	16	600	3750	3.42	2.81	2.51	2.28
630-HCPL-0600-000E	HCPL-0600-000E	1	SO-8	5	600	3750	1.58	1.30	1.16	1.05
630-HCPL-0600-500E	HCPL-0600-500E	1	SO-8	5	600	3750	1.62	1.33	1.19	1.08
630-HCPL-0601-000E	HCPL-0601-000E	1	SO-8	5	600	3750	1.58	1.30	1.16	1.05
630-HCPL-0601-500E	HCPL-0601-500E	1	SO-8	5	600	3750	1.62	1.33	1.19	1.08
630-HCPL-060L-000E	HCPL-060L-000E	1	SO-8	5	600	3750	1.80	1.48	1.32	1.20
630-HCPL-0611-000E	HCPL-0611-000E	1	SO-8	5	600	3750	2.03	1.67	1.49	1.35
630-HCPL-0611-500E	HCPL-0611-500E	1	SO-8	5	600	3750	1.84	1.61	1.52	1.29
630-HCPL-061A-000E	HCPL-061A-000E	1	SO-8	3	600	3750	2.32	1.91	1.70	1.55
630-HCPL-061N-000E	HCPL-061N-000E	1	SO-8	3	600	3750	2.48	2.04	1.82	1.65
630-HCPL-0630-000E	HCPL-0630-000E	2	SO-8	5	600	3750	4.10	3.37	3.00	2.73
630-HCPL-0630-500E	HCPL-0630-500E	2	SO-8	5	600	3750	3.68	3.22	3.04	2.58
630-HCPL-0631-000E	HCPL-0631-000E	2	SO-8	5	600	3750	4.10	3.37	3.00	2.73
630-HCPL-0631-500E	HCPL-0631-500E	2	SO-8	5	600	3750	4.14	3.40	3.04	2.76
630-HCPL-063A-000E	HCPL-063A-000E	2	SO-8	3	600	3750	5.29	4.35	3.88	3.53
630-HCPL-063L-000E	HCPL-063L-000E	2	SO-8	5	600	3750	4.50	3.70	3.30	3.00
630-HCPL-063N-000E	HCPL-063N-000E	2	SO-8	3	600	3750	6.98	5.74	5.12	4.65
630-HCPL-0661-000E	HCPL-0661-000E	2	SO-8	5	600	3750	6.75	5.55	4.95	4.50
630-HCPL-0700-000E	HCPL-0700-000E	1	SO-8	0.5	700	3750	1.33	1.09	.97	.89
630-HCPL-0701-000E	HCPL-0701-000E	1	SO-8	0.5	700	3750	1.49	1.22	1.09	.99

NEW SUPPLIER
NEW SUPPLIER
NEW SUPPLIER
NEW SUPPLIER
NEW SUPPLIER

AVAGO OPTOCOUPLERS (CONT.)

For quantities of 500 and up, call for quote.

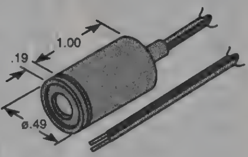
MOUSER STOCK NO.	Avago Part No.	Number of Channels	Package	Forward on Current (mA)	Total Power Dissipation (mW)	Isolation Voltage (V_{RMS})	Price Each			
							1	10	50	100
630-HCPL-0701-500E	HCPL-0701-500E	1	SO-8	0.5	700	3750	1.53	1.26	1.12	1.02
630-HCPL-070A-000E	HCPL-070A-000E	1	SO-8	10	600	3750	2.39	1.96	1.75	1.59
630-HCPL-0710-000E	HCPL-0710-000E	1	SO-8	150	600	3750	4.28	3.52	3.14	2.85
630-HCPL-0710-500E	HCPL-0710-500E	1	SO-8	150	600	3750	4.32	3.55	3.17	2.88
630-HCPL-0720-000E	HCPL-0720-000E	1	SO-8	150	600	3750	4.73	3.89	3.47	3.15
630-HCPL-0721-000E	HCPL-0721-000E	1	SO-8	150	600	3750	5.18	4.26	3.80	3.45
630-HCPL-0723-000E	HCPL-0723-000E	1	SO-8	150	600	3750	5.67	4.66	4.16	3.78
630-HCPL-0730-000E	HCPL-0730-000E	2	SO-8	0.5	135	3750	3.35	2.76	2.46	2.24
630-HCPL-0731-000E	HCPL-0731-000E	2	SO-8	0.5	135	3750	3.74	3.07	2.74	2.49
630-HCPL-0731-500E	HCPL-0731-500E	2	SO-8	0.5	135	3750	3.36	2.94	2.77	2.35
630-HCPL-0738-000E	HCPL-0738-000E	2	SO-8	10	-	3750	6.30	5.18	4.62	4.20
630-HCPL-073A-000E	HCPL-073A-000E	2	SO-8	230	600	3750	6.50	5.35	4.77	4.34
630-HCPL-073L-000E	HCPL-073L-000E	2	SO-8	230	600	3750	3.60	2.96	2.64	2.40
630-HCPL-181-000E	HCPL-181-000E	1	SO-4	0.2	170	3750	.26	.21	.18	.15
630-HCPL-2200-000E	HCPL-2200-000E	1	DIP-8	1.6	600	3750	2.50	2.05	1.83	1.65
630-HCPL-2200-500E	HCPL-2200-500E	1	DIP-8	1.6	600	3750	2.54	2.09	1.86	1.70
630-HCPL-2201-000E	HCPL-2201-000E	1	DIP-8	1.6	600	3750	2.43	2.00	1.78	1.62
630-HCPL-2202-000E	HCPL-2202-000E	1	DIP-8	1.6	600	3750	2.43	2.00	1.78	1.62
630-HCPL-2211-000E	HCPL-2211-000E	1	DIP-8	1.6	600	3750	2.75	2.26	2.01	1.83
630-HCPL-2212-000E	HCPL-2212-000E	1	DIP-8	1.6	600	3750	2.75	2.26	2.01	1.83
630-HCPL-2231-000E	HCPL-2231-000E	2	DIP-8	1.8	600	3750	6.35	5.21	4.65	4.23
630-HCPL-2231-300E	HCPL-2231-300E	2	DIP-8	1.8	600	3750	6.39	5.25	4.69	4.26
630-HCPL-2232-000E	HCPL-2232-000E	2	DIP-8	1.8	600	3750	8.21	6.75	6.02	5.48
630-HCPL-2232-300E	HCPL-2232-300E	2	DIP-8	1.8	600	3750	8.26	6.79	6.06	5.51
630-HCPL-2300-000E	HCPL-2300-000E	1	DIP-8	4	600	3750	4.50	3.70	3.30	3.00
630-HCPL-2300-300E	HCPL-2300-300E	1	DIP-8	4	600	3750	4.55	3.74	3.33	3.03
630-HCPL-2400-000E	HCPL-2400-000E	1	DIP-8	4	600	3750	5.18	4.26	3.80	3.45
630-HCPL-2400-300E	HCPL-2400-300E	1	SO-8	4	600	3750	5.22	4.29	3.83	3.48
630-HCPL-2430-000E	HCPL-2430-000E	2	DIP-8	4	600	3750	10.80	8.40	7.92	6.96
630-HCPL-2430-300E	HCPL-2430-300E	2	SO-8	4	600	3750	10.85	8.44	7.95	7.23
630-HCPL-2502-000E	HCPL-2502-000E	1	DIP-8	25	600	3750	1.78	1.46	1.30	1.19
630-HCPL-2530-000E	HCPL-2530-000E	2	DIP-8	16	600	3750	1.89	1.55	1.39	1.26
630-HCPL-2531-000E	HCPL-2531-000E	2	DIP-8	16	600	3750	1.98	1.63	1.45	1.32
630-HCPL-2531-300E	HCPL-2531-300E	2	DIP-8	16	600	3750	2.03	1.67	1.49	1.35
630-HCPL-2601-000E	HCPL-2601-000E	1	DIP-8	5	600	3750	1.51	1.24	1.11	1.01
630-HCPL-2601-300E	HCPL-2601-300E	1	DIP-8	5	600	3750	1.55	1.28	1.14	1.04
630-HCPL-2602-000E	HCPL-2602-000E	1	DIP-8	5	600	3750	5.72	4.70	4.19	3.81
630-HCPL-2611-000E	HCPL-2611-000E	1	DIP-8	5	600	3750	1.69	1.39	1.24	1.13
630-HCPL-2612-000E	HCPL-2612-000E	1	DIP-8	5	600	3750	9.00	7.40	6.60	6.00
630-HCPL-2630-000E	HCPL-2630-000E	2	DIP-8	5	600	3750	2.81	2.31	2.06	1.88
630-HCPL-2630-300E	HCPL-2630-300E	2	DIP-8	5	600	3750	2.86	2.35	2.10	1.91
630-HCPL-2631-000E	HCPL-2631-000E	2	DIP-8	5	600	3750	3.04	2.50	2.23	2.03
630-HCPL-2631-300E	HCPL-2631-300E	2	DIP-8	5	600	3750	3.08	2.53	2.26	2.06
630-HCPL-263A-000E	HCPL-263A-000E	2	DIP-8	3	600	3750	4.39	3.61	3.22	2.93
630-HCPL-263L-000E	HCPL-263L-000E	2	DIP-8	5	600	3750	3.60	2.96	2.64	2.40
630-HCPL-263N-000E	HCPL-263N-000E	2	DIP-8	3	600	3750	5.04	4.14	3.70	3.36
630-HCPL-2730-000E	HCPL-2730-000E	2	DIP-8	0.5	135	3750	2.36	1.94	1.73	1.58
630-HCPL-2731-000E	HCPL-2731-000E	2	DIP-8	0.5	135	3750	2.48	2.04	1.82	1.65
630-HCPL-3000-000E	HCPL-3000-000E	1	DIP-8	8	550	5000	1.91	1.57	1.40	1.28
630-HCPL-3100-000E	HCPL-3100-000E	1	DIP-8	12	550	5000	2.48	2.03	1.82	1.65
630-HCPL-3101-000E	HCPL-3101-000E	1	DIP-8	8	550	5000	2.70	2.22	1.98	1.80
630-HCPL-3120-000E	HCPL-3120-000E	1	DIP-8	7	295	5000	2.21	1.81	1.62	1.47
630-HCPL-3120-300E	HCPL-3120-300E	1	SO-8	7	295	5000	2.25	1.85	1.65	1.50
630-HCPL-3120-500E	HCPL-3120-500E	1	SO-8	7	295	5000	2.25	1.85	1.65	1.50
630-HCPL-3140-000E	HCPL-3140-000E	1	DIP-8	8	600	3750	1.62	1.33	1.19	1.08
630-HCPL-314J-000E	HCPL-314J-000E	2	SO-16	8	1200	3750	2.70	2.22	1.98	1.80
630-HCPL-3150-000E	HCPL-3150-000E	1	DIP-8	7	600	3750	2.43	2.00	1.78	1.62
630-HCPL-3150-500E	HCPL-3150-500E	1	DIP-8	7	600	3750	2.48	2.04	1.82	1.65
630-HCPL-315J-000E	HCPL-315J-000E	2	SO-16	7	1200	3750	5.36	4.40	3.93	3.57
630-HCPL-316J-000E	HCPL-316J-000E	1	SO-16	25	1200	3750	5.20	4.27	3.81	3.47
630-HCPL-316J-500E	HCPL-316J-500E	1	SO-16	25	1200	3750	5.24	4.31	3.84	3.50
630-HCPL-3180-000E	HCPL-3180-000E	1	DIP-8	10	600	3750	2.81	2.31	2.06	1.88
630-HCPL-3180-300E	HCPL-3180-300E	1	SO-8	10	600	3750	2.86	2.35	2.10	1.91
630-HCPL-3700-000E	HCPL-3700-000E	1	DIP-8	50	210	3750	3.20	2.63	2.34	2.13
630-HCPL-3700-300E	HCPL-3700-300E	1	DIP-8	50	210	3750	3.24	2.66	2.38	2.16
630-HCPL-3760-000E	HCPL-3760-000E	1	DIP-8	50	210	3750	5.00	4.11	3.66	3.33
630-HCPL-4100-000E	HCPL-4100-000E	1	DIP-8	7	360	3750	5.83	4.79	4.27	3.89
630-HCPL-4200-000E	HCPL-4200-000E	1	DIP-8	30	255	3750	5.83	4.79	4.27	3.88
630-HCPL-4502-000E	HCPL-4502-000E	1	DIP-8	16	600	3750	1.10	.91	.81	.74
630-HCPL-4503-000E	HCPL-4503-000E	1	DIP-8	16	600	3750	1.69	1.39	1.24	1.13
630-HCPL-4504-000E	HCPL-4504-000E	1	DIP-8	12	600	3750	1.89	1.55	1.39	1.26
630-HCPL-4506-000E	HCPL-4506-000E	1	DIP-8	10	600	3750	2.09	1.72	1.53	1.40
630-HCPL-4562-000E	HCPL-4562-000E	1	DIP-8	12	700	3750	2.32	1.91	1.70	1.55
630-HCPL-4661-000E	HCPL-4661-000E	2	DIP-8	5	600	3750	5.04	4.14	3.70	3.36
630-HCPL-4731-000E	HCPL-4731-000E	2	DIP-8	10	600	3750	4.86	4.00	3.56	3.24
630-HCPL-5230	HCPL-5230	2	DIP-8	8	200	1500	89.20	75.82	73.59	66.90
630-HCPL-7601-000E	HCPL-7601-000E	1	DIP-8	20	250	3750	2.70	2.22	1.98	1.80
630-HCPL-7710-000E	HCPL-7710-000E	1	DIP-8	10	600	3750	4.05	3.33	2.97	2.70
630-HCPL-7710-300E	HCPL-7710-300E	1	SO-8	10	600	3750	4.10	3.37	3.00	2.73
630-HCPL-7720-000E	HCPL-7720-000E	1	DIP-8	10	600	3750	4.50	3.70	3.30	3.00
630-HCPL-7721-000E	HCPL-7721-000E	1	DIP-8	10	600	3750	4.95	4.07	3.63	3.30
630-HCPL-817-000E	HCPL-817-000E	1	DIP-4	50	200	5000	.23	.18	.15	.13
630-HCPL-M600-000E	HCPL-M600-000E	1	SO-5	5	85	3750	1.69	1.39	1.24	1.13
630-HCPL-M611-000E	HCPL-M611-000E	1	SO-5	5	85	3750	2.14	1.76	1.57	1.43

DLC Diode Laser Modules

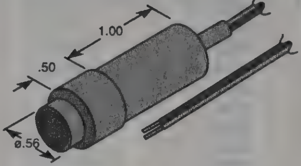
DIODE LASER CONCEPTS

DIMENSIONS: In.

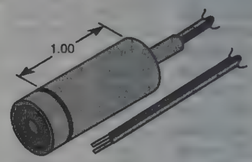
A



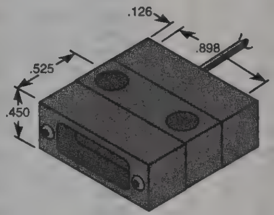
B



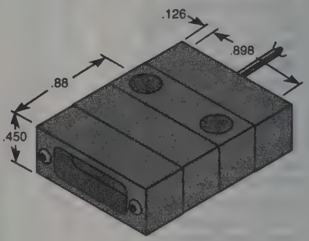
C



D



E



DLC STANDARD LASER MODULES

- Voltage Required: 5.0VDC (regulated)
- Wire Leads: 7in. long; (+) red, (-) black
- Line Width: 1mm (nominal)
- Emissions Indicator: Green LED
- Internal Electronics: Static, Surge and Reverse Polarity Protected
- Mechanical Axis Alignment to Optic Axis: 1/4 degree (1/2 angle)
- Anodized Aircraft Aluminum
- Warranty: Limited 2 year

CAUTION
LASER LIGHT - DO NOT STARE INTO BEAM
PEAK POWER <1mW
WAVELENGTHS 635, 650, 670nm
CLASS II LASER PRODUCT

DANGER
LASER LIGHT - AVOID DIRECT EYE EXPOSURE
PEAK POWERS 1.0 mW - 30mW
WAVELENGTHS 635 - 830nm
CLASS IIIa, IIIb LASER PRODUCT

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	1/2 Angle Beam Divergence (mrad)	Output Power (mW)	Laser Class	Typical Operating Current (mA)	Max. Operating Current (mA)	Beam Size @ Exit Aperture	Price Each	
										1	5
Elliptical Beams											
543-211122-0001	211122-0001	A	635	.67 x 17	0.97	II	55	85	5.0mm x 1.2mm	169.00	156.94
543-2111A2-0001	2111A2-0001	A	635	.67 x 17	4.2	IIIa	60	90	5.0mm x 1.2mm	169.00	156.94
543-2111B2-0004	2111B2-0004	A	635	.67 x 17	8.2	IIIb	65	95	5.0mm x 1.2mm	238.00	222.11
543-FA5-RS3-H0	FA5-RS3-H0	A	635	.67 x 17	12.4	IIIb	80	110	5.0mm x 1.2mm	391.00	364.42
543-FA5-RS5-10	FA5-RS5-10	A	650	.67 x 17	0.97	II	35	65	5.0mm x 1.2mm	114.00	106.40
543-2218A2-0005	2218A2-0005	A	650	.67 x 17	4.2	IIIa	40	70	5.0mm x 1.2mm	114.00	106.40
Round Beams											
543-FA5-RS3-1R	FA5-RS3-1R	B	635	0.25	0.97	II	55	85	3.0mm	189.00	175.56
543-FA5-RS3-8R	FA5-RS3-8R	B	635	0.25	2.1	IIIa	65	95	3.0mm	258.00	240.73
543-FA5-RS3-HR	FA5-RS3-HR	B	635	0.25	3.1	IIIa	75	110	3.0mm	411.00	383.04
543-281222-0001	281222-0001	B	650	0.25	0.97	II	40	70	3.0mm	134.00	125.02

Line Generators

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	(Line Thickness) 1/2 Angle Beam	Power Rating (mW)	Laser Class	Typical Operating Current (mA)	Max. Operating Current (mA)	Full Fan Angle	Price Each	
										1	5
Elliptical Beams											
543-FA5-RL3-11	FA5-RL3-11	C	635	0.39	5	II	55	85	10°	199.00	184.87
543-FA5-RL3-14	FA5-RL3-14	C	635	0.39	5	II	55	85	45°	199.00	184.87
543-211322-0005	211322-0005	C	635	0.39	5	II	55	85	60°	199.00	184.87
543-FA5-RL3-19	FA5-RL3-19	C	635	0.39	5	II	55	85	90°	199.00	184.87
543-FA5-RL5-11	FA5-RL5-11	C	650	0.39	5	II	40	70	10°	156.00	144.97
543-FA5-RL5-14	FA5-RL5-14	C	650	0.39	5	II	40	70	45°	156.00	144.97
543-281322-0001	281322-0001	C	650	0.39	5	II	40	70	60°	156.00	144.97
543-FA5-RL5-19	FA5-RL5-19	C	650	0.39	5	II	40	70	90°	156.00	144.97

DLC CROSS HAIR GENERATOR MODULES

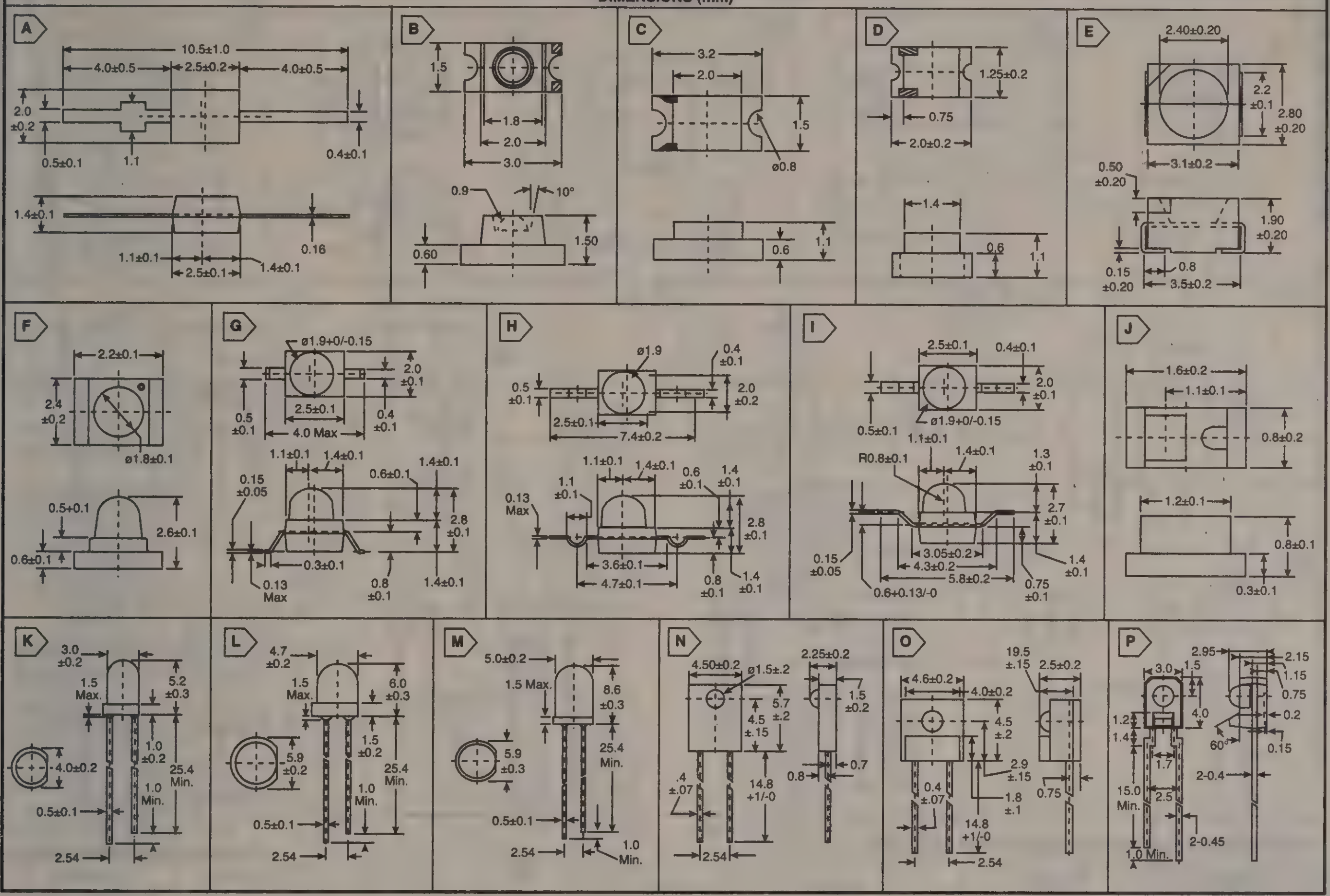
- Voltage Required: 5.0VDC (regulated)
- Line Width (nominal)
  Standard Unit: 1mm (to 4' distance)
  Long Range Unit: 1mm (to 15' distance)
- Emissions Indicator: Red LED
- Internal Electronics: Static, Surge and Reverse Polarity Protected
- Wire Leads: 7in. long, (+) red, (-) black
- Anodized Aircraft Aluminum
- Warranty: Limited 2 year

MOUSER STOCK NO.	DLC Part No.	Fig.	Wavelength (nm)	(Line Thickness) 1/2 Angle Beam	Power Rating (mW)	Laser Class	Typical Operating Current (mA)	Max. Operating Current (mA)	Full Fan Angle	Price Each	
										1	5
Standard Distance											
543-FAY-CH3-16	FAY-CH3-16	D	635	0.39	5 x 2	II	120	170	60°	451.56	429.30
543-FAY-CH3-19	FAY-CH3-10	D	635	0.39	5 x 2	II	120	170	90°	451.56	429.30
543-631322-0001	631322-0001	D	650	0.39	5 x 2	II	80	140	60°	337.96	321.30
543-FAY-CH5-19	FAY-CH5-19	D	650	0.39	5 x 2	II	80	140	90°	337.96	321.30
Long Range Distance											
543-FAY-PC3-14	FAY-PC3-14	E	635	0.13	5 x 2	II	120	190	45°	439.00	408.31

EVERLIGHT Opto Components

RoHS Compliant This page of product is compliant.

DIMENSIONS (mm)



CONSTANT VOLTAGE DIODES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Lens Color	Reverse Current	V_F (V)			Price Each			
						Min.	Typ.	Max.	1	100	500	1000
638-28-21/03/F5	EL-28-21/03/F5	A	1.3mm Sub, Axial Flat Top	Black Diffused	10μA	1.45	1.5	1.6	.11	.09	.07	.06
638-28-21/04/F5	EL-28-21/04/F5	A	1.3mm Sub, Axial Flat Top	Black Diffused	10μA	1.45	1.5	1.64	.09	.07	.06	.05
638-28-21/2	EL-28-21/2	A	1.3mm Sub, Axial Flat Top	Black Diffused	10μA	1.25	1.35	1.5	.19	.15	.12	.10

INFRARED EMITTING DIODES (SURFACE MOUNT)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Wavelength (nm)	Lens Color	V_F (V)		Power (mW/sr)		Beam Angle	Price Each			
						Typ.	Max.	@ I_F=mA	Min.		1	100	500	1000
638-IR11-21C	EL-IR11-21C	B	1206 Chip LED	940	Water Clear	1.2	1.5	20	0.5	100°	.28	.22	.18	.15
638-IR15-21C/L10	EL-IR15-21C/L10	C	1206 Chip LED	940	Water Clear	1.2	1.5	20	0.2	160°	.25	.20	.17	.14
638-IR17-21C	EL-IR17-21C	D	0805 Chip LED	940	Water Clear	1.2	1.5	20	0.2	120°	.28	.22	.18	.15
638-IR67-21C	EL-IR67-21C	E	Top LED	940	Water Clear	1.2	1.5	20	1.0	120°	.33	.26	.22	.18
638-IR42-21C	EL-IR42-21C	F	1.8mm Round Sub	940	Water Clear	1.2	1.5	20	1.0	30°	.39	.31	.26	.21
638-IR91-21C/F7	EL-IR91-21C/F7	G	1.9mm Round Sub	940	Water Clear	1.2	1.5	20	3.0	25°	.33	.26	.22	.18
638-IR91-21C/F9	EL-IR91-21C/F9	H	1.9mm Round Sub	940	Water Clear	1.2	1.5	20	3.0	25°	.35	.28	.23	.19
638-IR91-21C/F10	EL-IR91-21C/F10	I	1.9mm Round Sub	940	Water Clear	1.2	1.5	20	3.0	25°	.31	.25	.20	.17
638-HIR19-21C/L11	EL-HIR19-21C/L11	J	.8mm Height Flat Top	850	Water Clear	1.45	1.65	20	0.2	145°	.65	.52	.43	.35

INFRARED EMITTING DIODES (THRU-HOLE)

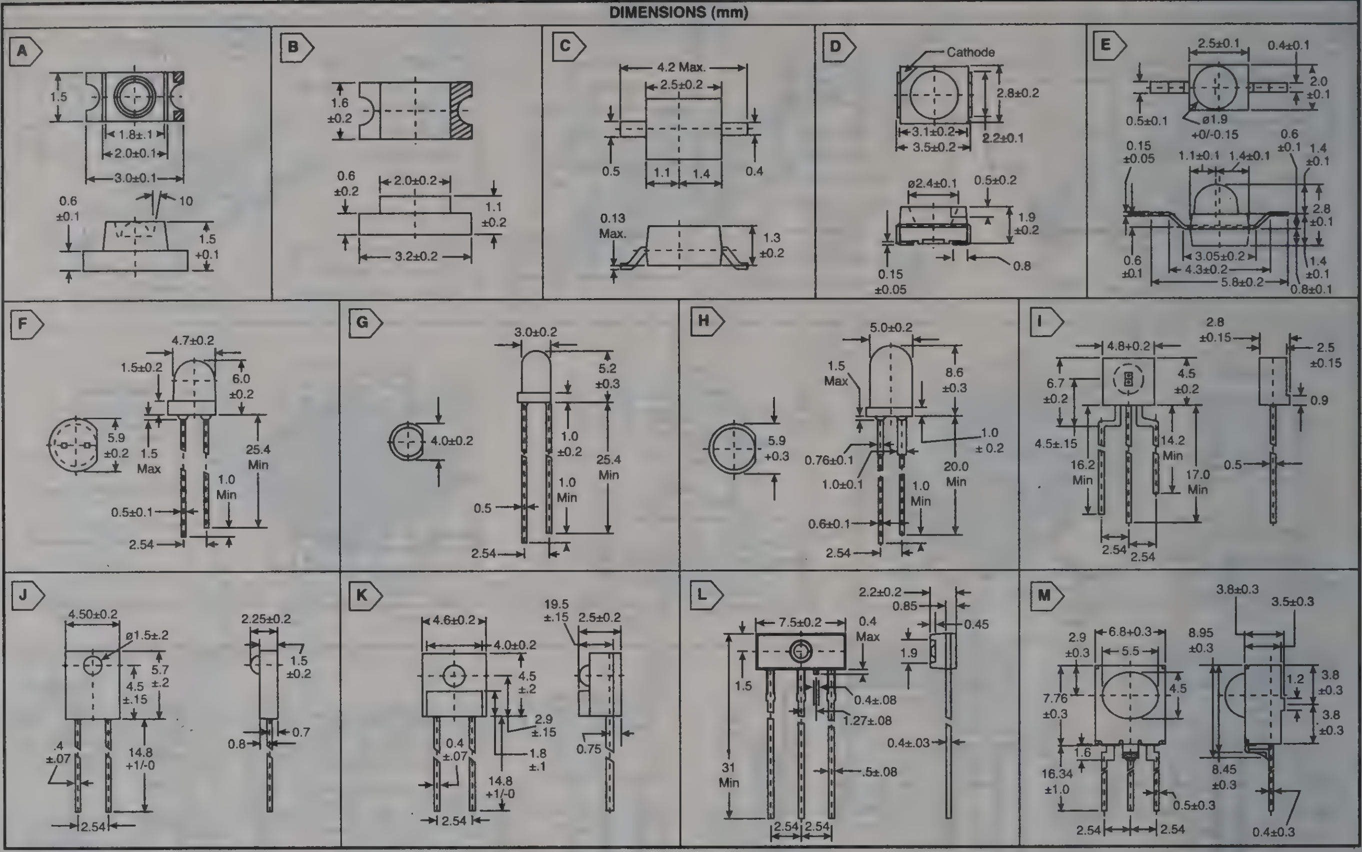
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Wavelength (nm)	Lens Color	V_F (V)		Power (mW/sr)		Beam Angle	Price Each			
						Typ.	Max.	@ I_F=mA	Min.		1	100	500	1000
638-IR204-A	EL-IR204-A	K	3mm Round	940	Blue	1.2	1.5	20	4.0	35°	.12	.10	.08	.07
638-IR204/H16/L10	EL-IR204/H16/L10	K	3mm Round	940	Blue	1.2	1.5	20	2.8	50°	.12	.10	.08	.07
638-SIR204-A	EL-SIR204-A	K	3mm Round	875	Blue	1.3	1.6	20	4.0	30°	.21	.17	.14	.11
638-HIR204	EL-HIR204	K	3mm Round	850	Yellow	1.45	1.65	20	7.8	25°	.55	.44	.36	.30
638-HIR204/H0	EL-HIR204/H0	K	3mm Round	850	Yellow	1.45	1.65	20	4.0	40°	.74	.60	.49	.40
638-IR323	EL-IR323	L	5mm Round, low profile	940	Blue	1.2	1.5	20	4.0	30°	.16	.12	.10	.08
638-IR323/H0-A	EL-IR323/H0-A	L	5mm Round, low profile	940	Blue	1.2	1.5	20	2.8	60°	.15	.12	.10	.08
638-SIR323-5	EL-SIR323-5	L	5mm Round, low profile	875	Blue	1.3	1.6	20	4.0	35°	.21	.17	.14	.12
638-IR333-A	EL-IR333-A	M	5mm Round	940	Blue	1.2	1.5	20	7.8	20°	.13	.10	.08	.07
638-SIR333-A	EL-SIR333-A	M	5mm Round	875	Blue	1.3	1.6	20	7.8	20°	.22	.17	.14	.12
638-HIR333	EL-HIR333	M	5mm Round	850	Yellow	1.45	1.65	20	7.8	17°	.55	.44	.36	.29
638-IR908-7C	EL-IR908-7C	N	1.5mm Side Looking IRED	940	Water Clear	1.2	1.6	4	0.14	60°	.16	.13	.11	.09
638-IR928-6C	EL-IR928-6C	O	1.5mm Side Looking IRED	940	Water Clear	1.2	1.6	4	0.14	40°	.20	.16	.13	.11
638-IR958-8C	EL-IR958-8C	P	1.6mm Side Looking IRED	940	Water Clear	1.2	1.6	4	0.14	22°	.21	.17	.14	.11

EVERLIGHT Opto Components

RoHS Compliant **This page of product is compliant.**

DIMENSIONS (mm)


A
1.5
1.8±.1
2.0±0.1
3.0±0.1
0.6 ±0.1
10
1.5 ±0.1
B
1.6 ±0.2
0.6 ±0.2
2.0±0.2
1.1 ±0.2
3.2±0.2
C
4.2 Max.
2.5±0.2
0.5
1.1
1.4
0.4
0.13 Max.
1.3 ±0.2
D
Cathode
2.8±0.2
3.1±0.2
3.5±0.2
2.2±0.1
ø2.4±0.1
0.5±0.2
1.9 ±0.2
0.15 ±0.05
0.8
E
2.5±0.1
0.4±0.1
2.0 ±0.1
0.5±0.1
ø1.9 +0/-0.15
0.15 ±0.05
1.1±0.1
1.4±0.1
0.6 ±0.1
1.4 ±0.1
2.8 ±0.1
0.6 ±0.1
3.05±0.2
4.3±0.2
5.8±0.2
1.4 ±0.1
0.8±0.1
F
4.7±0.2
1.5±0.2
6.0 ±0.2
5.9 ±0.2
1.5 Max
25.4 Min
1.0 Min
0.5±0.1
2.54
G
3.0±0.2
5.2 ±0.3
4.0±0.2
1.0 ±0.2
25.4 Min
1.0 Min
0.5
2.54
H
5.0±0.2
1.5 Max
8.6 ±0.3
5.9 +0.3
1.0 ± 0.2
0.76±0.1
1.0±0.1
1.0 Min
20.0 Min
0.6±0.1
2.54
I
2.8 ±0.15
4.8±0.2
2.5 ±0.15
6.7 ±0.2
4.5 ±0.2
0.9
4.5±.15
14.2 Min
16.2 Min
17.0 Min
0.5
2.54
2.54
J
4.50±0.2
2.25±0.2
ø1.5±.2
1.5 ±0.2
5.7 ±.2
4.5 ±.15
0.7
0.8
.4 ±.07
14.8 +1/-0
2.54
K
19.5 ±.15
4.6±0.2
2.5±0.2
4.0±0.2
4.5 ±.2
2.9 ±.15
0.4 ±.07
1.8 ±.1
0.75
14.8 +1/-0
2.54
L
2.2±0.2
0.85
0.45
7.5±0.2
0.4 Max
1.9
1.5
0.4±.08
1.27±.08
0.4±.03
31 Min
.5±.08
2.54
2.54
M
3.8±0.3
3.5±0.3
2.9 ±0.3
6.8±0.3
5.5
8.95 ±0.3
1.2
3.8 ±0.3
4.5
3.8 ±0.3
7.76 ±0.3
1.6
16.34 ±1.0
8.45 ±0.3
0.5±0.3
2.54
2.54
0.4±0.3

PHOTOTRANSISTORS (SURFACE MOUNT)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Lens Color	Rise/Fall Time (µs)	BV_{CEO} Min. (V)	$V_{CE\ (SAT)}$		$IC_{(ON)}$ Max		Price Each			
							Ee=mW/cm²	Max. (V)	Ee=mW/cm²	(nA)	1	100	500	1000
638-PT11-21C/L41	EL-PT11-21C/L41/TR8	A	Phototransistor	Water Clear	15/15	60	1	0.4	1	0.5	.22	.18	.15	.12
638-PT15-21B	EL-PT15-21B	B	1206 Chip Phototransistor	Black	15/15	30	1	0.4	1	0.1	.22	.18	.15	.12
638-PT15-21C	EL-PT15-21C	B	1206 Chip Phototransistor	Water Clear	15/15	30	1	0.4	1	0.1	.22	.18	.15	.12
638-PT28-21B/TR8	EL-PT28-21B/TR8	C	1.3mm Axial Flat Phototransistor	Black	15/15	30	1	0.4	1	0.1	.33	.26	.22	.18
638-PT67-21C/L41	EL-PT67-21C/L41	D	Top LED Phototransistor	Water Clear	15/15	60	1	0.4	1	0.5	.33	.26	.22	.18
638-PT91-21B/F10	EL-PT91-21B/F10	E	1.9mm Z-Bend Phototransistor	Black	15/15	30	1	0.4	1	1.0	.34	.27	.22	.18

PHOTOTRANSISTORS (THRU-HOLE)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Lens Color	Rise/Fall Time (µs)	BV_{CEO} Min. (V)	$V_{CE\ (SAT)}$		$IC_{(ON)}$ Max		Price Each			
							Ee=mW/cm²	Max. (V)	Ee=mW/cm²	(nA)	1	100	500	1000
638-PDT323B-5	EL-PDT323B-5	F	5mm Low Profile PhotoDarlington	Black	40/60	15	1	1.0	1.0	3.3	.33	.26	.22	.18
638-PT204-6B	EL-PT204-6B	G	3mm Phototransistor	Black	15/15	30	1	0.4	1.0	0.7	.16	.12	.10	.08
638-PT204-6C	EL-PT204-6C	G	3mm Phototransistor	Water Clear	15/15	30	1	0.4	1.0	0.7	.16	.13	.10	.09
638-PT331C	EL-PT331C	H	5mm Phototransistor	Water Clear	15/15	30	1	0.4	1.0	0.7	.15	.12	.10	.08
638-PT5529B/L2	EL-PT5529B/L2	I	Side Looking Dual	Black	15/15	30	1	0.4	0.555	0.129	.24	.19	.16	.13
638-PT5529B/L2/S3	EL-PT5529B/L2/S3	I	Side Looking Dual	Black	15/15	30	1	0.4	0.555	0.129	.24	.19	.16	.13
638-PT908-7B	EL-PT908-7B	J	1.5mm Side Looking	Black	15/15	30	1	0.4	0.555	0.8	.19	.15	.12	.10
638-PT908-7C	EL-PT908-7C	J	1.5mm Side Looking	Water Clear	15/15	30	1	0.4	0.555	0.8	.19	.15	.12	.10
638-PT928-6B	EL-PT928-6B	K	1.5mm Side Looking	Black	15/15	30	1	0.4	0.555	0.52	.22	.18	.15	.12
638-PT928-6C	EL-PT928-6C	K	1.5mm Side Looking	Water Clear	15/15	30	1	0.4	0.555	0.52	.22	.18	.15	.12

PHOTO LINK RECEIVING AND TRANSMITTING MODULES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Everlight Part No.	Fig.	Package	Wavelength (nm)	Operating Voltage (Vcc)	Trans Speed (Mb/s)	Dissipation Current (mA)		Fiber Coupling Input/Output (dBm)		Price Each			
							Typ	Max.	Min.	Max	1	100	500	1000
638-PLR131	EL-PLR131	L	Receiving Unit	650	5	12.5	4	6	-24	-14	1.88	1.50	1.24	1.02
638-PLT131/6	EL-PLT131/6	L	Light Transmtting Unit	660	3-5	6	5.5	10	-21	-15	.62	.50	.41	.33
638-PLT131/8	EL-PLT131/8	L	Light Transmtting Unit	660	3-5	8	5.5	10	-21	-15	.66	.53	.44	.36
638-PLT131/12	EL-PLT131/12	L	Light Transmtting Unit	660	3-5	12	5.5	10	-21	-15	.77	.61	.51	.41

INFRARED REMOTE CONTROL RECEIVER MODULES

For quantities of 2000 and up, call for quote.

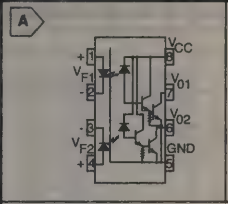
MOUSER STOCK NO.	Everlight Part No.	Fig.	B.P.F. Center Freq. (KHz)	Supply Voltage Typ. (V)	Supply Current Max. (mA)	Trans Distance Min. (m)	Angle θh(°)	Price Each			
								1	100	500	1000
638-IRM-8601S	EL-IRM-8601S	M	38	5	3	8	+/-45	1.40	1.12	.93	.76
638-IRM-8601S-1	EL-IRM-8601S-1	M	32.75	5	3	8	+/-45	1.24	.99	.82	.67
638-IRM-8601S-2	EL-IRM-8601S-2	M	36	5	3	8	+/-45	1.26	1.01	.83	.68

FAIRCHILD Optocoupler Products

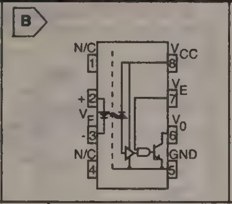
FAIRCHILD
SEMICONDUCTOR™

Products may be RoHS compliant. Check mouser.com for RoHS status.

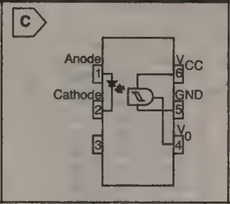
A



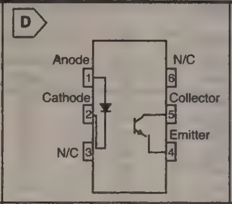
B



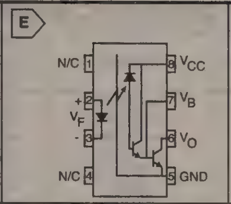
C



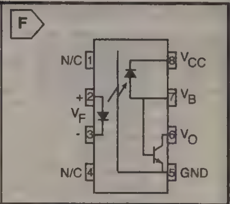
D



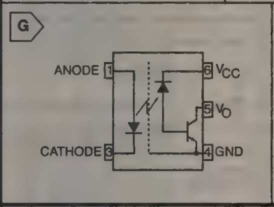
E



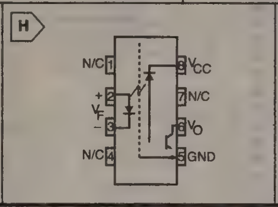
F



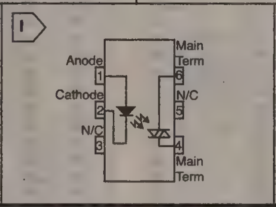
G



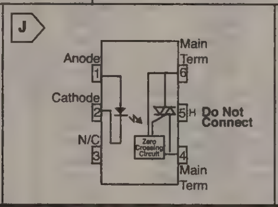
H



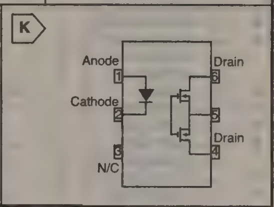
I



J



K



OPTOCOUPLER PRODUCTS

◆Surface Mount Device
* UL Recognized

High-Gain Split Photodarlington Output (Dual Channel), Low Current DC Sensing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{CC} (V)	Typical Rise/Fall (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
* 512	HCPL-2730	DIP-8	A	2.5kV	7	20/35	1.54	1.46	1.35
* 512	HCPL-2731	DIP-8	A	2.5kV	18	20/35	2.02	1.85	1.68
◆* 512	HCPL-2731S	SMD-8	A	2.5kV	18	20/35	2.02	1.85	1.68
512	HCPL2731SD	SMD-8	A	2.5kV	18	20/35	2.06	1.81	1.64

10 Mbit/s High-Speed Logic Gate Output (Dual Channel), DC Sensing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{CC} (V)	Typical Rise/Fall (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
* 512	HCPL-2630	DIP-8	A	2.5kV	5.5	.075/.075	2.92	2.92	2.92
◆* 512	HCPL-2630S	SMD-8	A	2.5kV	5.5	.075/.075	2.92	2.92	2.92
512	HCPL2630.SD	SMD-8	A	2.5kV	5.5	.075/.075	2.43	2.14	1.94
* 512	HCPL-2631	DIP-8	A	2.5kV	5.5	.075/.075	2.52	2.52	2.52
◆* 512	HCPL-2631S	SMD-8	A	2.5kV	5.5	.075/.075	2.52	2.52	2.52
512	HCPL2631SD	SMD-8	A	2.5kV	5.5	.075/.075	2.69	2.36	2.14

10 Mbit/s High-Speed Logic Gate Output, DC Sensing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{CC} (V)	Typical Rise/Fall (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
* 512	6N137	DIP-8	B	2.5kV	5.5	.075/.075	1.09	1.09	1.09
◆* 512	6N137S	SMD-8	B	2.5kV	5.5	.075/.075	1.09	1.09	1.09
◆* 512	HCPL0600	SMD-8	B	2.5kV	5.5	.075/.075	2.28	2.28	2.28
◆* 512	HCPL0600R1	SMD-8	B	2.5kV	5.5	.075/.075	1.84	1.47	1.10
◆* 512	HCPL0601	SMD-8	B	2.5kV	5.5	.075/.075	2.80	2.80	2.80
◆* 512	HCPL0601R1	SMD-8	B	2.5kV	5.5	.075/.075	2.14	1.74	1.51
◆* 512	HCPL0601R2	SMD-8	B	2.5kV	5.5	.075/.075	2.14	1.74	1.51
◆* 512	HCPL0611	SMD-8	B	2.5kV	5.5	.075/.075	2.14	1.74	1.51
* 512	HCPL-2601	DIP-8	B	2.5kV	5.5	.075/.075	1.57	1.57	1.57
◆* 512	HCPL-2601S	SMD-8	B	2.5kV	5.5	.075/.075	1.57	1.57	1.57
* 512	HCPL-2611	DIP-8	B	2.5kV	5.5	.075/.075	1.49	1.31	1.31
* 512	HCPL2611S	DIP-8	B	2.5kV	5.5	.075/.075	1.49	1.20	1.02

Schmitt Trigger Output, DC Sensing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{CC} (V)	Typical Rise/Fall (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
* 512	H11L1M	DIP-6	C	5.3kV	15	1.0/2.0	.76	.69	.61
◆* 512	H11L1SM	SMD-6	C	5.3kV	15	1.0/2.0	1.04	.97	.69
* 512	H11L1SR2M	DIP-6	C	5.3kV	15	1.0/2.0	1.21	.72	.50
◆* 512	H11L1SR2VM	DIP-6	C	5.3kV	15	1.0/2.0	1.21	.72	.50
* 512	H11L2M	DIP-6	C	5.3kV	15	1.0/2.0	.90	.83	.69
* 512	H11L3M	DIP-6	C	5.3kV	15	1.0/2.0	.83	.69	.61
* 512	H11N1M	DIP-6	C	5.3kV	15	0.3/0.3	3.89	3.40	2.43

1 Mbit/s High-Speed Transistor Output (Dual Channel), DC Sensing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{CC} (V)	Typical Rise/Fall (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
* 512	HCPL-2530	DIP-8	D	2.5kV	15	1.5/1.5	1.95	1.76	1.56
* 512	HCPL-2531	DIP-8	D	2.5kV	15	0.8/0.8	1.56	1.48	1.40
◆* 512	HCPL-2531S	SMD-8	D	2.5kV	15	0.8/0.8	2.34	2.15	1.95

High-Gain Split Photodarlington Output, Low Current DC Sensing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{CC} (V)	Typical Rise/Fall (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
* 512	6N138	DIP-8	E	2.5KV	7	110/35	.80	.72	.64
◆* 512	6N138S	SMD-8	E	2.5KV	7	110/35	1.13	.96	.80
* 512	6N139	DIP-8	E	2.5KV	18	25/60	.80	.72	.64
◆* 512	6N139S	SMD-8	E	2.5KV	18	25/60	1.13	.96	.80
◆* 512	HCPL0701	SOIC-8	E	2.5kV	18	25/60	1.87	1.72	1.56

1Mbit/s High-Speed Transistor Output, DC Sensing

For quantities of 1000 and up, call for quote.

* 512	6N135	DIP-8	F	2.5kV	0.4	1.5/1.5	1.08	1.08	1.08
* 512	6N136	DIP-8	F	2.5kV	0.4	0.8/0.8	1.08	1.08	1.08
* 512	6N136S	DIP-8	B	2.5kV	0.4	0.8/0.8	1.16	.97	.69
* 512	FOD250L	DIP-8	B	5.0kV	0.3	1	2.31	1.93	1.93
◆* 512	FOD250LS	SMD-8	B	5.0kV	0.3	1	4.76	1.49	1.39
* 512	FOD250LT	DIP-8	B	5.0kV	0.3	1	4.76	1.40	1.40
◆* 512	FODM452	5-Pin MFP	G	3.75kV	0.4	0.8/0.8	2.20	1.60	1.16
◆* 512	FODM452R1	5-Pin MFP	G	3.75kV	0.4	0.8/0.8	2.20	1.60	1.16
◆* 512	FODM453	5-Pin MFP	G	3.75kV	0.4	0.8/0.8	2.36	1.71	1.24
◆* 512	FODM453R1	5-Pin MFP	G	3.75kV	0.4	0.8/0.8	2.36	1.71	1.24
* 512	HCPL0452	SOIC-8	B	2.5kV	0.4	1	2.77	2.31	2.31
* 512	HCPL0453	SOIC-8	B	2.5kV	0.4	1	2.77	2.31	2.31
* 512	HCPL0453R1	SOIC-8	B	2.5kV	0.4	1	2.81	1.68	1.34
◆* 512	HCPL0501	SOIC-8	F	2.5kV	0.4	0.8/0.8	1.83	1.83	1.83
* 512	HCPL4503M	DIP-8	H	2.5kV	0.5	0.8/0.8	4.62	1.05	1.05
* 512	HCPL4503SDM	DIP-8	H	2.5kV	0.5	0.8/0.8	7.00	1.63	1.63
* 512	HCPL4503SM	DIP-8	H	2.5kV	0.5	0.8/0.8	7.08	2.28	2.28

Random Phase Triac Driver Output, DC Sensing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{DRM} (V)	I_{FT} (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
* 512	MOC3010M	DIP-6	I	4.2kV	250	15	.67	.58	.48
* 512	MOC3011M	DIP-6	I	4.2kV	250	15	.67	.58	.48
* 512	MOC3011SM	SMD-6	I	4.2kV	250	10	.67	.58	.48
* 512	MOC3012M	DIP-6	I	4.2kV	250	5	.69	.59	.50
* 512	MOC3020M	DIP-6	I	4.2kV	400	30	.58	.48	.48
◆* 512	MOC3021SM	SMD-6	I	4.2kV	400	15	.71	.61	.51
◆* 512	MOC3022SM	SMD-6	I	4.2kV	400	10	.71	.61	.51
* 512	MOC3023M	DIP-6	I	4.2kV	400	5	.76	.65	.54
* 512	MOC3052M	DIP-6	I	4.2kV	600	10	1.02	.87	.73

Zero-Crossing Triac Output

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{DRM} (V)	I_{FT} (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
◆* 512	MOC3032SM	SMD-6	J	4.2kV	250	10	1.09	.94	.78
* 512	MOC3041-M	DIP-6	J	4.2kV	400	15	1.20	1.03	.86
◆* 512	MOC3041SM	SMD-6	J	4.2kV	400	15	1.09	.94	.78
* 512	MOC3042M	DIP-6	J	4.2kV	400	10	1.20	1.03	.86
* 512	MOC3042SM		J	4.2kV			.83	.69	.69
* 512	MOC3043M	DIP-6	J	4.2kV	400	5	1.20	1.03	.86
◆* 512	MOC3043SM	SMD-6	J	4.2kV	400	5	1.18	1.01	.84
* 512	MOC3063M		J	4.2kV			1.18	.98	.98
◆* 512	MOC3063SM	SMD-6	J	4.2kV	600	5	1.34	1.15	.96

Solid State Relay

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Fig.	Isolation Voltage (V_{ISO})	V_{DRM} (V)	I_{FT} (μSEC)	Price Each		
Mfr.	Mfr. Part No.						1	100	500
* 512	HSR312	DIP-6	K	4kV	250	3	4.13	3.61	2.99
* 512	HSR312L	DIP-6	K	4kV	250	4.25	4.13	3.61	2.99
* 512	HSR412	DIP-6	K	4kV	400	7	4.13	3.61	2.99
* 512	HSR412L	DIP-6	K	4kV	400	9	4.13	3.61	2.99

FAIRCHILD Optocoupler Products

FAIRCHILD
SEMICONDUCTOR™

Products may be RoHS compliant.
Check mouser.com for RoHS status.

∗UL Recognized ◆ Surface Mount Device

PHOTOTRANSISTOR OUTPUT, DC SENSING

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Fig.	Package	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	250
512—4N25M	A	6-Pin DIP	5.3kV	70	2	.51	.30	.21
512—4N27M	A	6-Pin DIP	4.2kV	70	2	.51	.30	.21
512—4N37M	A	6-Pin DIP	4.2kV	70	2	.49	.29	.21
512—CNY173M	A	6-Pin DIP	4.2kV	70	2	.52	.31	.22
512—FOD814	B	DIP-4	5.3kV	70	4/3	.51	.37	.27
512—FOD814A	B	DIP-4	5.3kV	70	4/3	.46	.33	.24
512—FOD814ASD	B	DIP-4	5.3kV	70	4/3	.58	.42	.30
◆ 512—FOD817A3SD	C	SMD-4	5.3kV	70	4/3	.27	.19	.18
◆ 512—FOD817ASD	C	SMD-4	5.3kV	70	4/3	.27	.19	.18
512—FOD817B	C	DIP-4	5.3kV	70	4/3	.39	.26	.22
512—FOD817DSD	C	DIP-4	5.3kV	70	4/3	.36	.26	.19
◆ 512—HMA121	C	4-PIN Full Pitch MFP	3.75kV	80	3	.35	.32	.28
◆ 512—HMA124	C	4-PIN Full Pitch MFP	3.75kV	80	3	.33	.30	.27
◆ 512—HMA124R1	C	4-PIN Full Pitch MFP	3.75kV	80	3	.30	.25	.19
◆ 512—HMHA2801	C	4-PIN Full Pitch MFP	2.5kV	80	3	.34	.31	.28
512—HMHA2801R1	C	4-PIN Full Pitch MFP	2.5kV	80	3	.30	.25	.19
◆ 512—HMHA281	C	4-PIN Half Pitch MFP	2.5kV	80	3	.33	.30	.27
◆ 512—HMHA281R1	C	4-PIN Half Pitch MFP	2.5kV	80	3	.30	.25	.19

DUAL CHANNEL PHOTOTRANSISTOR OUTPUT, DC SENSING

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Fig.	Package	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	250
∗ 512—MCT6	D	DIP-8	5.3kV	30	5/25	.76	.66	.55
512—MCT61	D	DIP-8	5.3kV	30	5/25	.92	.55	.38
∗ 512—MCT62	D	DIP-8	5.3kV	30	5/25	.87	.81	.58
◆ ∗ 512—MCT62S	D	SMD-8	5.3kV	30	5/25	.87	.81	.58
◆ ∗ 512—MCT6S	D	SMD-8	5.3kV	30	5/25	.76	.66	.55
512—MCT9001	E	DIP-8	2.5kV	30	5/25	1.01	.84	.60
◆ ∗ 512—MOCD207M	E	SOIC-8	3.0kV	70	1.6/2.2	1.11	.95	.79

HIGH VOLTAGE PHOTODARLINGTON OUTPUT, DC SENSING

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Fig.	Package	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	250
◆ ∗ 512—MOCD223M	E	SOIC-8	3.0kV	30	1.0/2.0	.86	.77	.69
◆ ∗ 512—MOCD223R2M	E	SOIC-8	3.0kV	30	1.0/2.0	1.38	1.20	1.03

AC/DC TO LOGIC INTERFACE, AC SENSING

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Fig.	Package	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	250
∗ 512—MID400	F	DIP-8	2.5kV	5.5	1.0/1.0	4.54	3.89	3.24
∗ 512—HCPL-3700	G	DIP-8	2.5kV	4.4	0.4	3.28	3.00	2.73

PHOTOTRANSISTOR OUTPUT, AC SENSING

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Fig.	Package	Isolation Voltage (VRMS)	BV CEO (V)	Typical Rise/Fall (μSEC)	Price Each 1	100	250
512—H11AA1M	A	DIP-6	4.2kV	30	2	1.85	1.10	.88
512—H11AA4M	A	DIP-6	4.2kV	30	2	3.78	2.25	1.80
◆ 512—HMHAA280	B	4-Pin Full Pitch MFP	2.5kV	80	3	.32	.28	.28
◆ 512—HMHAA280R1	B	4-Pin Full Pitch MFP	2.5kV	80	3	.45	.34	.32
◆ 512—HMAA2705	B	4-Pin Full Pitch MFP	3.75kV	40	3	.39	.30	.28
◆ 512—HMAA2705R2	B	4-Pin Full Pitch MFP	3.75kV	40	3	.30	.25	.21

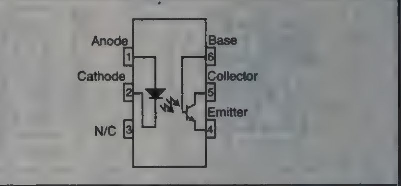
PHOTOTRANSISTOR OUTPUT, AC SENSING

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Fig.	Package	Isolation Voltage (VISO)	BV CEO (V)	H_{REF} (MAX)	Price Each 1	100	250
◆ 512—FOD2712	H	SOIC-8	2.5kV	70	1.259	1.04	.91	.75
◆ 512—FOD2712R1	H	SOIC-8	2.5kV	70	1.259	1.22	.73	.58
512—FOD2741A	H	DIP-8	5.0kV	70	2.508	1.40	1.23	1.02
◆ 512—FOD2741AS	H	SMD-8	5.0kV	70	2.508	1.40	1.23	1.02
512—FOD2741B	H	DIP-8	5.0kV	70	2.502	1.14	.79	.73
◆ 512—FOD2741BS	H	SMD-8	5.0kV	70	2.502	1.14	.79	.73
512—FOD2741C	H	DIP-8	5.0kV	70	2.550	1.00	.88	.73
◆ 512—FOD2741CS	H	SMD-8	5.0kV	70	2.550	1.32	.92	.85
◆ 512—FOD2742A	H	SOIC-8	2.5kV	70	2.508	1.70	1.01	.81
◆ 512—FOD2742AR1	H	SOIC-8	2.5kV	70	2.508	1.77	1.06	.84
◆ 512—FOD2742B	H	SOIC-8	2.5kV	70	2.520	1.05	.63	.50
◆ 512—FOD2742BR1	H	SOIC-8	2.5kV	70	2.520	1.13	.68	.54
◆ 512—FOD2742C	H	SOIC-8	2.5kV	70	2.550	.97	.58	.46
◆ 512—FOD2742CR1	H	SOIC-8	2.5kV	70	2.550	1.05	.63	.50
512—FOD2743A	H	DIP-8	5.0kV	70	2.508	1.98	1.18	.94
◆ 512—FOD2743AS	H	SMD-8	5.0kV	70	2.508	1.98	1.18	.94
512—FOD2743B	H	DIP-8	5.0kV	70	2.250	1.05	.63	.50
◆ 512—FOD2743BS	H	SMD-8	5.0kV	70	2.250	1.00	.63	.50
512—FOD2743C	H	DIP-8	5.0kV	70	2.550	1.00	.63	.50
◆ 512—FOD2743CS	H	SMD-8	5.0kV	70	2.550	1.00	.63	.50

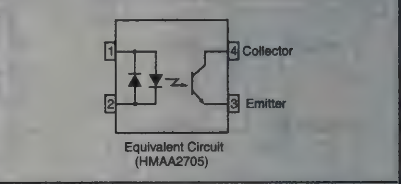
PHOTOTRANSISTOR OUTPUT, AC SENSING

MOUSER STOCK NO. Mfr. | Mfr. Part No.	Fig.	Package	Isolation Voltage (VISO)	V_{DRM} (V)	I_{FT}(ma) (MAX)	Price Each 1	100	250
◆ 512—FODM3053	I	4-Pin Full Pitch MFP	3.75kV	600	5	1.64	.98	.78

A

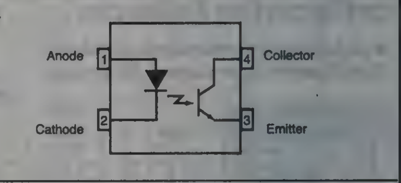


B

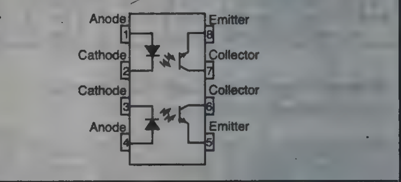


Equivalent Circuit
(HMAA2705)

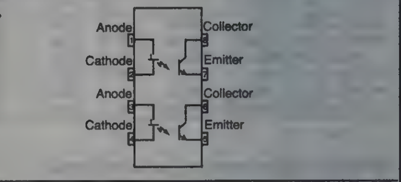
C



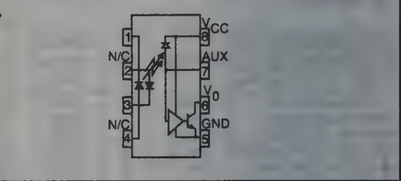
D



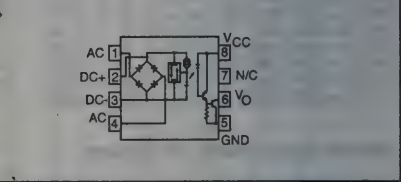
E



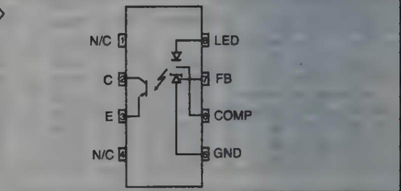
F



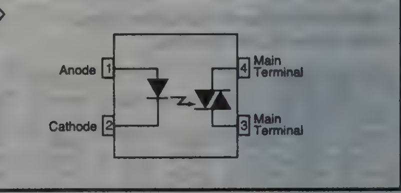
G



H



I



FAIRCHILD Optoelectronic Products

Products may be RoHS compliant. Check mouser.com for RoHS status.

INFRARED INTERRUPTER SWITCHES

Photo Transistor

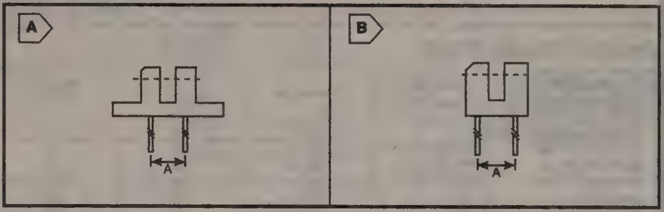
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Aperture Width (In.) LED/Sensor	Min I_C On @ 20mA/5V	BV CEO (V)	Price Each		
Mfr.	Mfr. Part No.					1	100	250
512—	H21A1	A	.94/.94	1.0mA	30	1.08	.90	.79
512—	H21A2	A	.94/.94	2.0mA	30	.93	.84	.74
512—	H22A1	B	.94/.94	1.0mA	30	1.05	.95	.84
512—	H22A2	B	.94/.94	2.0mA	30	1.05	.95	.84
512—	H22A4	B	.94/.94	1.0mA	55	1.44	1.26	.90
512—	QVE00034	-	.50/.50	0.5mA	30	1.51	1.30	1.08
512—	QVE00118	-	.50/.50	0.5mA	30	1.13	.97	.81
512—	QVE00832	-	.50/.50	0.5mA	30	1.26	1.08	.90

Photo Darlington

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Aperture Width (In.) LED/Sensor	Min I_C On @10mA/1.5V	BV CEO (V)	Price Each		
Mfr.	Mfr. Part No.					1	100	250
512—	H21B1	A	.94/.94	7.5mA	30	1.08	.99	.90
512—	H22B1	B	.94/.94	14.0mA	30	.90	.81	.72
512—	H22B2	B	.94/.94	25.0mA	30	1.44	1.26	.90



Optologic™

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Hysteresis Ratio Typ. $I_F(+)/I_F(-)$	Threshold Current		Price Each		
Mfr.	Mfr. Part No.		Turn On	Turn Off	1	100	250
512—	H21LOB	1.2	15mA	0.5mA	1.13	1.01	.90
512—	H21LOI	1.	15mA	0.5mA	1.13	1.01	.90
512—	H22LOI	1.2	15mA	0.5mA	1.78	1.55	1.11
512—	H22LTI	1.3	15	0.5mA	1.78	1.55	1.11
512—	QVE00112	-	-	-	2.06	1.76	1.47
512—	QVE00120	-	-	-	1.58	1.35	1.13

INFRARED EMITTING DIODES AND PHOTO DETECTORS

Infrared Emitting Diodes

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Max. Fwd Volt	Emission Wave-Length	Beam Angle +/-	Price Each		
Mfr.	Mfr. Part No.					1	100	250
512—	1N6264	A	1.7V	940	10	1.51	1.44	1.36
512—	1N6266	A	1.7V	940	10	1.51	1.44	1.32
512—	CQX15	B	1.7V	940	40	1.83	1.54	1.28
512—	F5D1	A	1.7V	880	10	1.68	1.60	1.51
512—	F5D2	A	1.7V	880	10	2.10	1.76	1.47
512—	F5E1	B	1.7V	880	40	1.68	1.60	1.51
512—	LED55B	A	1.7V	940	10	2.27	1.89	1.66
512—	LED55C	A	1.7V	940	10	1.51	1.44	1.32
512—	LED55CF	B	1.7V	940	40	2.27	1.89	1.66
512—	LED56	A	1.7V	940	10	1.89	1.59	1.32
512—	QEB363	-	1.6V	940	24	.25	.22	.18
512—	QEB421	-	1.5V	880	120	.42	.36	.30
512—	QEB441TR	-	2.0V	730	120	.83	.71	.59
512—	QEC112	C	1.5V	940	24	.19	.17	.14
512—	QEC122	C	1.7V	880	16	.28	.24	.20
512—	QEC123	C	1.7V	880	16	.28	.24	.20
512—	QED123	D	1.7V	880	9	.27	.23	.20
512—	QED223	D	1.7V	880	20	.39	.34	.31
512—	QED234	D	1.5V	940	20	.20	.17	.14
512—	QEE113	E	1.5V	940	25	.30	.26	.21
512—	QEE213	-	1.6V	940	24	.35	.30	.25
512—	QSB320FTR	-	-	880	120	.35	.30	.25
512—	QSB34CGR	-	-	940	120	.74	.64	.53
512—	QSB34GR	-	-	940	120	.74	.64	.53
512—	QSB34ZR	-	-	940	120	.74	.64	.53
512—	QSD2030	-	1.3V	880	40	.24	.21	.17
512—	QSE773	-		920	120	.63	.54	.45

Photo Detectors

For quantities of 1000 and up, call for quote.

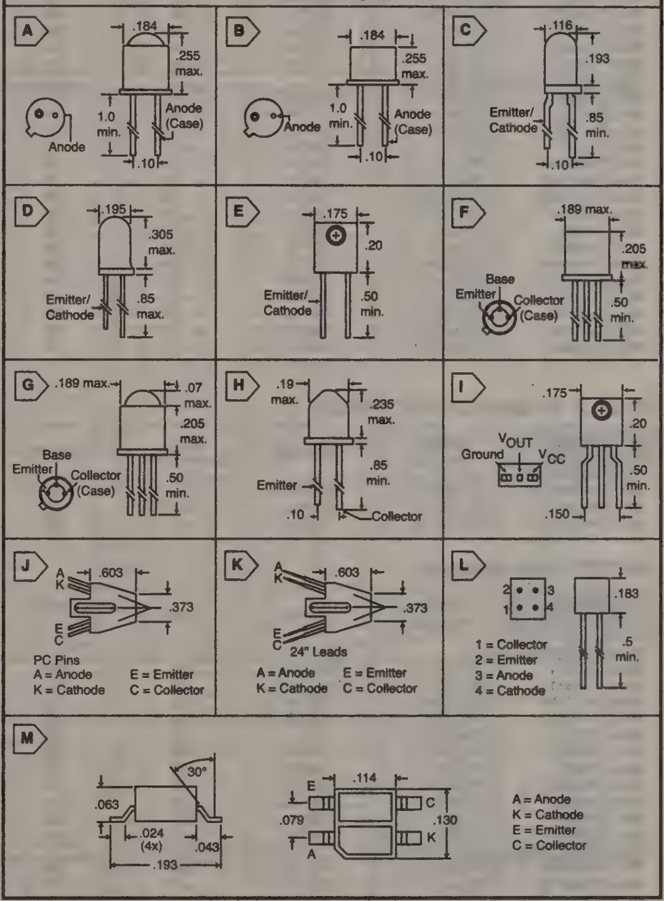
MOUSER STOCK NO.		Fig.	IC (on) Min.	BV CEO (V)	I_{CEO} VCC /mA (max.)	Price Each		
Mfr.	Mfr. Part No.					1	100	250
512—	L14C1	F	1mA	45	100	1.44	1.37	1.26
512—	L14C2	F	0.5mA	45	100	1.44	1.37	1.26
512—	L14G1	G	6mA	45	100	1.72	1.55	1.38
512—	L14G2	G	3mA	45	100	1.44	1.37	1.30
512—	QSE122	-	3mA	30	100	.39	.33	.28
512—	L14G3	G	12mA	45	100	1.44	1.37	1.30
512—	L14N2	F	6mA	30	100	1.44	1.37	1.26
512—	L14P1	G	4mA	30	100	1.58	1.51	1.39
512—	L14P2	G	8mA	30	100	1.98	1.66	1.39
512—	QSB363	-	0.7mA	30	100	.25	.22	.18
512—	QSB320	-	16ÌA	30	200	.35	.30	.25
512—	QSD122	D	1mA	30	100	.28	.24	.20
512—	QSD723	H	2.5mA	30	100	.27	.23	.20
512—	QSD724	H	3.5mA	30	100	.27	.23	.20
512—	L14F1	G	3mA	25	100	1.44	1.37	1.30
512—	QSE133	-	9mA	30	100	.31	.26	.22
512—	L14F2	G	1mA	25	100	1.44	1.37	1.26

OPTOLOGIC™ PHOTOSENSORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Positive Threshold mw/cm²	Function	V_{CC} (V)	Price Each		
Mfr.	Mfr. Part No.					1	100	250
512—	QSE159	I	0.25	Inv O/C	4.5-16.0	.65	.56	.47

DIMENSIONS: In.


A
.184
.255 max.
1.0 min.
Anode
Anode (Case)
.10
B
.184
.255 max.
1.0 min.
Anode
Anode (Case)
.10
C
.116
.193
Emitter/ Cathode
.85 min.
.10
D
.195
.305 max.
Emitter/ Cathode
.85 max.
E
.175
.20
Emitter/ Cathode
.50 min.
F
.189 max.
.205 max.
Base
Emitter
Collector (Case)
.50 min.
G
.189 max.
.07 max.
.205 max.
Base
Emitter
Collector (Case)
.50 min.
H
.19 max.
.235 max.
.85 min.
Emitter
.10
Collector
I
.175
.20
V_{OUT}
Ground
V_{CC}
.50 min.
.150
J
A
K
.603
.373
E
C
PC Pins
A = Anode
K = Cathode
E = Emitter
C = Collector
K
A
K
.603
.373
E
C
24" Leads
A = Anode
K = Cathode
E = Emitter
C = Collector
L
2
3
1
4
.183
1 = Collector
2 = Emitter
3 = Anode
4 = Cathode
.5 min.
M
30°
.063
.024 (4x)
.043
.193
E
.114
C
.079
.130
K
A
A = Anode
K = Cathode
E = Emitter
C = Collector

REFLECTIVE PHOTOSENSORS

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Icc (on) Min.	I_F/VCE	BV CEO (V)	Price Each		
Mfr.	Mfr. Part No.					1	100	250
512—	QRB1113	J	.30mA	40mA/5V	30	1.46	1.25	1.04
512—	QRB1114	K	.60mA	40mA/5V	30	1.37	1.26	1.16
512—	QRB1133	-	.20mA	40mA/5V	30	2.02	1.73	1.44
512—	QRB1134	L	.60mA	40mA/5V	30	1.87	1.73	1.58
512—	QRD1113	M	.30mA	20mA/5V	30	1.22	1.04	.87
512—	QRE00034	J	.16mA	20mA/10V	30	1.22	1.04	.87
512—	QRE1113GR	K	.15mA	20mA/5V	30	.73	.62	.52

LITE-ON LED Optocouplers

RoHS Compliant **This page of product is compliant.**

The Lite-On Optocoupler products feature high collector emitter and I/O isolation voltages. They are suitable for a wide-range of applications and are ideal as signal transmitters between circuits of different potentials and impedances. All Lite-On optocouplers have safety approval certificates from VDE, CSA, UL, TUV, BSI, FIMKO, NEMKO, DEMIKO and SEMIKO.

PHOTO TRANSISTOR

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Package	IF (mA)	BVCEO (V)	BVECO (V)	Rise/Fall Times (typ.)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each		
									1	10	100
Photo Transistor Output											
859-CNY17F-3S	CNY17F-3S	SMT-6	60	70	7.0	5/5	5000	100 / - /200	.29	.24	.22
859-CNY17F-4	CNY17F-4	DIP-6	60	70	7.0	5/5	5000	160/ - /320	.28	.23	.21
859-CNY17F-4S	CNY17F-4S	SMT-6	60	70	7.0	5/5	5000	160/ - /320	.29	.24	.22
859-H11D1	H11D1	DIP-6	60	300	7.0	5/5	5000	20/-/-	.66	.55	.49
859-H11D1S	H11D1S	SMT-6	60	300	7.0	5/5	5000	20/-/-	.66	.55	.50
859-LTV-356T	LTV-356T	MINI-FLAT 4	50	80	6.0	4/3	3750	50/-/600	.26	.22	.19
859-LTV-357T	LTV-357T	MINI-FLAT 4	50	35	6.0	4/3	3750	50/-/600	.26	.22	.19
859-LTV-358T	LTV-358T	MINI-FLAT 4	50	120	6.0	4/3	3750	20/-/-	.37	.31	.28
859-LTV-610M	LTV-610M	DIP-4 Wide Lead	60	70	7.0	2/2	5300	40/-/320	.31	.26	.23
859-LTV-610S	LTV-610S	SMT-4	60	70	7.0	2/2	5300	40/-/320	.31	.26	.23
859-LTV-702FS	LTV-702FS	SMT-6	60	70	6.0	2/2	5000	40/-/320	.29	.24	.22
859-LTV-702V	LTV-702V	DIP-6	70	70	6.0	2/2	5000	40/-/320	.28	.23	.21
859-LTV-702VS	LTV-702VS	SMT-6	70	70	6.0	2/2	5000	40/-/320	.29	.24	.22
859-LTV-816	LTV-816	DIP-4	50	80	6.0	4/3	5000	50/-/600	.21	.18	.16
859-LTV-816S	LTV-816S	SMT-4	50	80	6.0	4/3	5000	50/-/600	.23	.19	.17
859-LTV-817	LTV-817	DIP-4	50	35	6.0	4/3	5000	50/-/600	.21	.18	.16
859-LTV-817S	LTV-817S	SMT-4	50	35	6.0	4/3	5000	50/-/600	.23	.19	.17
859-LTV-826	LTV-826	DIP-8	50	80	6.0	4/3	5000	50/-/600	.43	.36	.32
859-LTV-826S	LTV-826S	8 PIN	50	80	6.0	4/3	5000	50/-/600	.44	.37	.33
859-LTV-827	LTV-827	DIP-8	50	35	6.0	4/3	5000	50/-/600	.43	.36	.32
859-LTV-827S	LTV-827S	SMT-8	50	35	6.0	4/3	5000	50/-/600	.44	.37	.33
859-LTV-846	LTV-846	DIP-16	50	80	6.0	4/3	5000	50/-/600	.86	.72	.64
859-LTV-846S	LTV-846S	SMT-16	50	80	6.0	4/3	5000	50/-/600	.87	.73	.65
859-LTV-847	LTV-847	DIP-16	50	35	6.0	4/3	5000	50/-/600	.86	.72	.64
859-LTV-847S	LTV-847S	SMT-16	50	35	6.0	4/3	5000	50/-/600	.87	.73	.65
859-LTV-851	LTV-851	DIP-4	50	300	6.0	4/5	5000	40/-/-	.59	.49	.44
859-LTV-851S	LTV-851S	SMT-4	50	300	6.0	4/5	5000	40/-/-	.60	.50	.45
859-LTV-829	LTV-829	8 PIN	50	35	6.0	4/3	5000	50/-/400	.43	.36	.32
Photo Transistor Ouput / AC Input											
859-LTV-354T	LTV-354T	MINI-FLAT 4	+- 50	35	6.0	4/3	3750	20/-/400	.34	.29	.26
859-LTV-733	LTV-733	DIP-6	+- 50	35	6.0	4/3	5000	20/-/300	.48	.40	.36
859-LTV-733S	LTV-733S	SMT-6	+- 50	35	6.0	4/3	5000	20/-/300	.49	.41	.37
859-LTV-814	LTV-814	SMT-4	+- 50	35	6.0	4/3	5000	20/-/300	.30	.25	.23
859-LTV-8141S	LTV-8141S	SMT-4	+- 50	35	6.0	60/53	5000	600/-/7500	.55	.46	.41
859-LTV-814H	LTV-814H	DIP-4	+- 150	35	6.0	4/3	5000	20/-/80	.34	.29	.26
859-LTV-814HS	LTV-814HS	SMT-4	+- 150	35	6.0	4/3	5000	20/-/80	.36	.30	.27
859-LTV-814S	LTV-814S	SMT-4	+- 50	35	6.0	4/3	5000	20/-/300	.31	.26	.23
859-LTV-824	LTV-824	DIP-8	+- 50	35	6.0	4/3	5000	20/-/300	.60	.50	.45
859-LTV-824H	LTV-824H	DIP-8	+- 150	35	6.0	4/3	5000	20/-/80	.69	.57	.52
859-LTV-824HS	LTV-824HS	SMT-8	+- 150	35	6.0	4/3	5000	20/-/80	.70	.58	.52
859-LTV-824S	LTV-824S	SMT-8	+- 50	35	6.0	4/3	5000	20/-/300	.61	.51	.46
859-LTV-844	LTV-844	DIP-16	+- 50	35	6.0	4/3	5000	20/-/300	1.20	1.00	.90
859-LTV-844H	LTV-844H	DIP-16	+- 150	35	6.0	4/3	5000	20/-/80	1.37	1.14	1.03
859-LTV-844HS	LTV-844HS	SMT-16	+- 150	35	6.0	4/3	5000	20/-/80	1.38	1.15	1.04
859-LTV-844S	LTV-844S	SMT-16	+- 50	35	6.0	4/3	5000	20/-/300	1.21	1.01	.91

SINGLE TRANSISTOR OUTPUT

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Package	Lead Spacing (mm)	IF (mA)	VCEO (V)	VECO (V)	Rise/Fall Times (typ.)	Forward Voltage	Price Each		
									1	10	100
859-LTH-1550-01	LTH-1550-01	Reflective	4.1	60	30.0	5		1.2	.69	.57	.52
859-LTH-301-05	LTH-301-05	Slotted	10.45	60	30.0	5	3/4	1.2	.87	.73	.66
859-LTH-301-07	LTH-301-07	Slotted	9.0	60	30.0	5	3/4	1.2	.87	.73	.66

PHOTO DARLINGTON

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Package	IF (mA)	BVCEO (V)	BVECO (V)	Rise/Fall Times (typ.)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each		
									1	10	100
Photo Darlington Output											
859-LTV-352T	LTV-352T	MINI-FLAT 4	50	300	0.1	20/100	3750	1000/-/-	.59	.49	.44
859-LTV-355T	LTV-355T	MINI-FLAT 4	50	35	6.0	60/53	3750	600/-/7500	.35	.29	.26
859-LTV-715FS	LTV-715FS	SMT-6	50	35	6.0	60/53	5000	600/1600/7500	.44	.37	.33
859-LTV-725VS	LTV-725VS	SMT-6	50	300	0.1	100/20	5000	1000/-/15000	.72	.60	.54
859-LTV-815	LTV-815	DIP-4	50	35	6.0	60/53	5000	600/-/7500	.27	.23	.20
859-LTV-815S	LTV-815S	SMT-4	50	35	6.0	60/53	5000	600/-/7500	.28	.24	.21
859-LTV-825	LTV-825	DIP-8	50	35	6.0	60/53	5000	600/-/7500	.54	.45	.41
859-LTV-825S	LTV-825S	SMT-8	50	35	6.0	60/53	5000	600/-/7500	.55	.46	.41
859-LTV-845S	LTV-845S	SMT-16	50	35	6.0	60/53	5000	600/-/7500	1.09	.91	.82
859-LTV-852	LTV-852	DIP-4	50	300	0.1	100/20	5000	1000/4000/15000	.59	.49	.44
859-LTV-852S	LTV-852S	SMT-4	50	300	0.1	100/20	5000	1000/4000/15000	.60	.50	.45
Photo Darlington Output / AC Input											
859-LTV-8241S	LTV-8241S	SMT-8	±50	35	6.0	60/53	5000	600/-/7500	1.09	.91	.82
859-LTV-8441S	LTV-8441S	SMT-16	±50	35	6.0	60/53	5000	600/-/7500	2.17	1.81	1.63

PHOTOTRIAC OUTPUT

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Lite-On Part No.	Package	dv/dt V/μs	VDRM (V) (Min.)	IF (mA)	Peak On-State Voltage (Max.)	Isolation Voltage (VRMS)	Trigger Current (mA) (typ./Max.)	Price Each		
									1	10	100
859-MOC3020	MOC3020	DIP-6	800	400	50.0	3	5000	15/30	.54	.45	.40
859-MOC3020S	MOC3020S	SMT-6	800	400	50.0	3	5000	15/30	.55	.46	.41
859-MOC3021	MOC3021	DIP-6	800	400	50.0	3	5000	8/15	.54	.45	.40
859-MOC3021S	MOC3021S	SMT-6	800	400	50.0	3	5000	8/15	.55	.46	.41
859-MOC3022	MOC3022	DIP-6	800	400	50.0	3	5000	-/10	.54	.45	.40
859-MOC3022S	MOC3022S	SMT-6	800	400	50.0	3	5000	-/10	.55	.46	.41
859-MOC3023	MOC3023	DIP-6	800	400	50.0	3	5000	-/5	.54	.45	.40
859-MOC3023S	MOC3023S	SMT-6	800	400	50.0	3	5000	-/5	.55	.46	.41
859-MOC3052	MOC3052	DIP-6	1000	600	50.0	3	5000	-/10	.62	.52	.47
859-MOC3052S	MOC3052S	SMT-6	1000	600	50.0	3	5000	-/10	.63	.53	.48
859-MOC3063	MOC3063	DIP-6	1500	600	50.0	3	5000	-/5	.71	.59	.53
859-MOC3063S	MOC3063S	SMT-6	1500	600	50.0	3	5000	-/5	.72	.60	.54

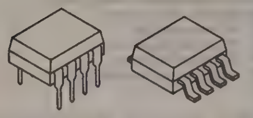
CEL Optocouplers

CEL California Eastern Laboratories

RoHS Compliant This page of product is compliant.

LEAD-FREE

RoHS Compliant



CEL SINGLE TRANSISTOR, GENERAL PURPOSE OPTOCOUPLERS

Applications:

Can be used as an interface circuit for various instrumentations and control equipment in the following:

- AC line/digital logic
- Twisted pair line receiver
- Digital logic/digital logic
- Telephone/telegraph line receiver

Features:

- High isolation voltage
- High current transfer ratio
- Low cost
- High speed switching

Safety Standards:

UL = UL Recognized (UL File No: E72422(S))
UL/BSI = UL Recognized & BSI Approved
UL File No.: E72422(S) / BSI Approved No.: 7112/7420

DC Optocouplers, Low Speed Logic Applications

◆ Surface Mount For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	I_F (mA)	V_{CEO} (V)	V_{ECO} (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
551-PS2501-1-A	PS2501-1-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.35	.28	.24	.21
551-PS2501-1-H-A	PS2501-1-H-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 160	.30	.24	.21	.18
551-PS2501-1-L-A	PS2501-1-L-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	200 to 400	.30	.24	.21	.18
551-PS2501A-1-A	PS2501A-1-A	A	DIP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.30	.24	.20	.18
◆ 551-PS2501L-1-A	PS2501L-1-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.43	.34	.29	.26
◆ 551-PS2501L-1-H-A	PS2501L-1-H-A	A	DIP-4	UL	80	80	7.0	3.0/5.0	200 to 400	.41	.32	.28	.24
551-PS2501-2-A	PS2501-2-A	B	DIP-8	UL	80	80	7.0	3.0/5.0	80 to 600	.94	.75	.64	.56
◆ 551-PS2501L-2-A	PS2501L-2-A	B	DIP-8	UL	80	80	7.0	3.0/5.0	80 to 600	1.03	.82	.70	.62
551-PS2501-4-A	PS2501-4-A	C	DIP-16	UL	80	80	7.0	3.0/5.0	80 to 600	1.63	1.30	1.11	.98
◆ 551-PS2501L-4-A	PS2501L-4-A	C	DIP-16	UL	80	80	7.0	3.0/5.0	80 to 600	1.70	1.36	1.16	1.02
◆ 551-PS2701-1-A	PS2701-1-A	A	SOP-4	UL/BSI	50	40	6.0	3.0/5.0	50 to 300	.47	.38	.32	.28
◆ 551-PS2701-1-P-A	PS2701-1-P-A	A	SOP-4	UL/BSI	50	40	6.0	3.0/5.0	150 to 300	.40	.32	.27	.24
◆ 551-PS2701A-1-A	PS2701A-1-A	A	SOP-4	UL	30	70	5.0	5.0/7.0	50 to 300	.40	.32	.27	.24
◆ 551-PS2701A-1-P-A	PS2701A-1-P-A	A	SOP-4	UL	30	70	5.0	5.0/7.0	150 to 300	.37	.29	.25	.22
◆ 551-PS2801-1-A	PS2801-1-A	A	SSOP-4	UL/BSI	50	80	6.0	3.0/5.0	80 to 600	.52	.42	.36	.31
◆ 551-PS2801-1-L-A	PS2801-1-L-A	A	SSOP-4	UL/BSI	50	80	6.0	3.0/5.0	100 to 300	.52	.42	.36	.31
◆ 551-PS2801A-1-A	PS2801A-1-A	A	SSOP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.53	.42	.36	.32
◆ 551-PS2801-4-A	PS2801-4-A	C	SSOP-16	UL/BSI	50	80	6.0	3.0/5.0	80 to 600	3.10	2.48	2.11	1.86
◆ 551-PS2801A-4-A	PS2801A-4-A	C	SSOP-16	UL	30	70	5.0	5.0/7.0	50 to 400	2.32	1.86	1.58	1.39

AC Optocouplers High Isolation Voltage

◆ Surface Mount For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	I_F (mA)	V_{CEO} (V)	V_{ECO} (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
551-PS2505-1-A	PS2505-1-A	D	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.50	.40	.34	.30
◆ 551-PS2505L-1-A	PS2505L-1-A	D	DIP-4	UL	80	80	7.0	3.0/5.0	80 to 600	.50	.40	.34	.30
551-PS2505-2-A	PS2505-2-A	E	DIP-8	UL	80	80	7.0	3.0/5.0	80 to 600	1.17	.93	.79	.70
◆ 551-PS2505L-2-A	PS2505L-2-A	E	DIP-8	UL	80	80	7.0	3.0/5.0	80 to 600	1.32	1.05	.90	.79
551-PS2505-4-A	PS2505-4-A	F	DIP-16	UL/BSI	80	80	7.0	3.0/5.0	80 to 600	2.25	1.80	1.53	1.35
◆ 551-PS2505L-4-A	PS2505L-4-A	F	DIP-16	UL	80	80	7.0	3.0/5.0	80 to 600	2.13	1.70	1.45	1.28
◆ 551-PS2705-1-A	PS2705-1-A	D	SOP-4	UL/BSI	50	40	6.0	3.0/5.0	50 to 300	.58	.46	.39	.35
◆ 551-PS2705A-1-A	PS2705A-1-A	D	SOP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.43	.34	.29	.26
◆ 551-PS2805-1-A	PS2805-1-A	D	SSOP-4	UL/BSI	50	80	6.0	3.0/5.0	80 to 600	.71	.57	.48	.43
◆ 551-PS2805A-1-A	PS2805A-1-A	D	SSOP-4	UL	30	70	5.0	5.0/7.0	50 to 400	.63	.53	.45	.40
◆ 551-PS2805-4-A	PS2805-4-A	F	SSOP-16	UL/BSI	50	80	6.0	3.0/5.0	80 to 600	4.98	3.98	3.38	2.99
◆ 551-PS2805A-4-A	PS2805A-4-A	F	SSOP-16	UL	30	70	5.0	5.0/7.0	50 to 400	3.38	2.70	2.30	2.03

Optocouplers Optimized For Analog Feedback

◆ Surface Mount For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	I_F (mA)	V_{CEO} (V)	V_{ECO} (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
DC Devices													
◆ 551-PS2711-1-A	PS2711-1-A	A	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.52	.42	.35	.31
◆ 551-PS2711-1-M-A	PS2711-1-M-A	A	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 200	.52	.42	.35	.31
◆ 551-PS2811-1-A	PS2811-1-A	A	SSOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.59	.47	.40	.35
◆ 551-PS2811-1-M-A	PS2811-1-M-A	A	SSOP-4	UL	50	40	5.0	4.0/5.0	100 to 200	.59	.47	.40	.35
◆ 551-PS2811-4-A	PS2811-4-A	C	SSOP-16	UL	50	40	5.0	4.0/5.0	100 to 400	3.15	2.52	2.14	1.89
◆ 551-PS2911-1-A	PS2911-1-A	A	MiniFlat-4	UL	50	40	5.0	5.0/10.0	100 to 400	1.00	.80	.68	.60
◆ 551-PS2911-1-K-A	PS2911-1-K-A	A	MiniFlat-4	UL	50	40	5.0	5.0/10.0	200 to 400	1.00	.80	.68	.60
◆ 551-PS2911-1-M-A	PS2911-1-M-A	A	MiniFlat-4	UL	50	40	5.0	5.0/10.0	100 to 200	1.00	.80	.68	.60
AC Devices													
◆ 551-PS2715-1-A	PS2715-1-A	D	SOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.63	.51	.43	.38
◆ 551-PS2815-1-A	PS2815-1-A	D	SSOP-4	UL	50	40	5.0	4.0/5.0	100 to 400	.87	.69	.59	.52
◆ 551-PS2815-4-A	PS2815-4-A	F	SSOP-16	UL	50	40	5.0	4.0/5.0	100 to 400	3.38	2.70	2.30	2.03
◆ 551-PS2915-1-A	PS2915-1-A	D	MiniFlat-4	UL	50	40	5.0	5.0/10.0	100 to 400	1.32	1.05	.90	.79

Optocoupler (High Voltage)

◆ Surface Mount For quantities of 2000 and up, call for quote.

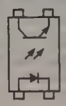
MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	I_F (mA)	V_{CEO} (V)	V_{ECO} (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
◆ 551-PS2707-1-A	PS2707-1-A	D	SOP-4	UL	50	120	6.0	10/10	50 to 400	.68	.54	.46	.41

Optocouplers

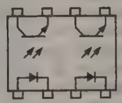
◆ Surface Mount For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	I_F (mA)	V_{CEO} (V)	V_{ECO} (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
DC Devices, High Isolation Voltage													
551-PS2561-1-A	PS2561-1-A	A	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 400	.48	.38	.32	.29
551-PS2561A-1-A	PS2561A-1-A	A	DIP-4	UL/BSI	30	70	5.0	5.0/7.0	50 to 300	.38	.30	.26	.23
551-PS2561B-1-A	PS256B-1-A	A	DIP-4	UL/CSA/BSI	40	80	7.0	3.0/5.0	50 to 400	.63	.50	.43	.38
◆ 551-PS2561L-1-A	PS2561L-1-A	A	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 400	.53	.42	.36	.32
◆ 551-PS2561L-1-H-A	PS2561L-1-H-A	A	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 160	.42	.34	.29	.25
◆ 551-PS2561AL-1-H-A	PS2561AL-1-H-A	A	DIP-4	UL/BSI	30	70	5.0	5.0/7.0	50 to 300	.41	.33	.28	.25
◆ 551-PS2581L1-H-A	PS2581L-1-H-A	A	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 160	.56	.45	.38	.34
◆ 551-PS2761-1-A	PS2761-1-A	A	SOP-4	UL	50	40	5.0	4.0/5.0	50 to 400	.55	.44	.37	.33
◆ 551-PS2861-1-A	PS2861-1-A	A	SSOP-4	UL	50	40	5.0	4.0/5.0	50 to 400	.61	.48	.41	.36
◆ 551-PS2861H-1-A	PS2861H-1-A	A	SSOP-4	UL/BSI	50	40	5.0	4.0/6.0	50 to 400	.79	.63	.54	.48
AC Devices													
551-PS2565-1-A	PS2565-1-A	D	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 400	.58	.46	.39	.35
◆ 551-PS2565L-1-A	PS2565L-1-A	D	DIP-4	UL/BSI	80	80	7.0	3.0/5.0	80 to 400	.60	.48	.41	.36
◆ 551-PS2765-1-A	PS2765-1-A	D	SOP-4	UL/BSI	50	40	5.0	4.0/5.0	50 to 400	.74	.59	.50	.45
◆ 551-PS2865-1-A	PS2865-1-A	D	SSOP-4	UL/BSI	50	40	5.0	4.0/5.0	50 to 400	.79	.63	.54	.48

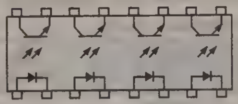
A



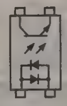
B



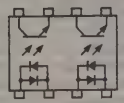
C



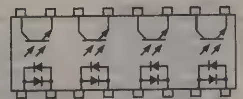
D



E



F



CEL Optocouplers

CEL California Eastern Laboratories

RoHS Compliant **This page of product is compliant.**

Applications:
Can be used as an interface circuit for various instrumentations and control equipment in the following:
- AC line/digital logic
- Twisted pair line receiver
- Digital logic/digital logic
- Telephone/telegraph line receiver

Features:
- High isolation voltage
- High current transfer ratio
- Low cost
- High speed switching

Safety Standards:
UL = UL Recognized (UL File No: E72422(S))
UL/CSA = UL Recognized & CSA Approved
UL File No.: E72422(S) / CSA File No.: CA101391
UL/BSI = UL Recognized & BSI Approved
UL File No.: E72422(S) / BSI Approved No.: 7112/7420

LEAD-FREE
RoHS Compliant

CEL SINGLE TRANSISTOR, HIGH DRIVE CURRENT OPTOCOUPLERS

◆ Surface Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
DC Devices, High Isolation Voltage													
551-PS2521-1-A	PS2521-1-A	A	DIP-4	UL/BSI	150	80	6.0	3.0/5.0	20 to 80	.91	.73	.62	.55
◆ 551-PS2521L-1-A	PS2521L-1-A	A	DIP-4	UL/BSI	150	80	6.0	3.0/5.0	20 to 80	.96	.76	.65	.57
AC Devices, High Isolation Voltage													
551-PS2525-1-A	PS2525-1-A	B	DIP-4	UL/CSA	150	80	6.0	3.0/5.0	20 to 80	1.09	.87	.74	.66
551-PS2525-4-A	PS2525-4-A	C	DIP-16	UL	150	80	6.0	3.0/5.0	20 to 80	3.88	3.53	2.72	2.35

CEL SINGLE TRANSISTOR, HIGH SPEED AND HIGH VCE OPTOCOUPLERS

◆ Surface Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
551-PS2503-1-A	PS2503-1-A	A	DIP-4	UL/CSA	80	40	0.6	30/30	100 to 400	.78	.62	.53	.47
◆ 551-PS2503L-1-A	PS2503L-1-A	A	DIP-4	UL/CSA	80	40	0.6	30/30	100 to 400	.83	.66	.56	.50
551-PS2503-2-A	PS2503-2-A	D	DIP-8	UL/CSA	80	40	0.6	30/30	100 to 400	1.56	1.25	1.06	.94
◆ 551-PS2503L-2-A	PS2503L-2-A	D	DIP-8	UL/CSA	80	40	0.6	30/30	100 to 400	1.61	1.28	1.09	.96
551-PS2503-4-A	PS2503-4-A	E	DIP-16	UL/CSA	80	40	0.6	30/30	100 to 400	2.85	2.28	1.94	1.71
◆ 551-PS2503L-4-A	PS2503L-4-A	E	DIP-16	UL/CSA	80	40	0.6	30/30	100 to 400	2.90	2.32	1.97	1.74
551-PS2513-1-A	PS2513-1-A	A	DIP-4	UL	60	120	6.0	3.0/4.0	25 to 100	.59	.47	.40	.35
◆ 551-PS2703-1-A	PS2703-1-A	A	SOP-4	UL/BSI	50	120	6.0	10/10	50 to 400	.55	.44	.37	.33
◆ 551-PS2703-1-K-A	PS2703-1-K-A	A	SOP-4	UL/BSI	50	120	6.0	10/10	200 to 400	.49	.39	.33	.30
◆ 551-PS2703-1-M-A	PS2703-1-M-A	A	SOP-4	UL/BSI	50	120	6.0	10/10	50 to 150	.49	.39	.33	.30
◆ 551-PS2913-1-A	PS2913-1-A	A	MiniFlat-4	UL	50	120	6.0	10/10	50 to 200	1.16	.93	.79	.69
◆ 551-PS2913-1-M-A	PS2913-1-M-A	A	MiniFlat-4	UL/BSI	50	120	6.0	10/10	50 to 100	1.16	.93	.79	.69

CEL SINGLE TRANSISTOR OPTOCOUPLER IN MINIATURE QUAD PACKAGES

◆ Surface Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
DC Devices													
◆ 551-PS2841-4A-A	PS2841-4A-A	F	SSOP-12	UL	20	70	5.0	20	100 to 400	3.83	3.06	2.60	2.30
◆ 551-PS2841-4B-A	PS2841-4B-A	F	SSOP-12	UL	20	70	5.0	20	100 to 600	3.75	3.00	2.55	2.25
AC Devices													
◆ 551-PS2845-4A-A	PS2845-4A-A	G	SSOP-12	UL	20	70	5.0	20	100 to 400	4.78	3.82	3.25	2.87

CEL DARLINGTON TRANSISTOR, GENERAL PURPOSE OPTOCOUPLERS

◆ Surface Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
DC Devices, High Isolation Voltage													
551-PS2502-1-A	PS2502-1-A	H	DIP-4	UL	80	40	6.0	100/100	200 to 2000	.61	.49	.42	.37
◆ 551-PS2502L-1-A	PS2502L-1-A	H	DIP-4	UL	80	40	6.0	100/100	200 to 2000	.66	.53	.45	.40
551-PS2502-2-A	PS2502-2-A	I	DIP-8	UL	80	40	6.0	100/100	200 to 2000	1.48	1.18	1.00	.89
◆ 551-PS2502L-2-A	PS2502L-2-A	I	DIP-8	UL	80	40	6.0	100/100	200 to 2000	1.52	1.21	1.03	.91
551-PS2502-4-A	PS2502-4-A	J	DIP-16	UL	80	40	6.0	100/100	200 to 2000	2.75	2.20	1.87	1.65
◆ 551-PS2502L-4-A	PS2502L-4-A	J	DIP-16	UL	80	40	6.0	100/100	200 to 2000	2.78	2.22	1.89	1.67
◆ 551-PS2702-1-A	PS2702-1-A	H	SOP-4	UL/BSI	50	40	6.0	200/200	200 to 2000	.81	.65	.55	.49
◆ 551-PS2802-1-A	PS2802-1-A	H	SSOP-4	UL/BSI	50	40	6.0	200/200	200 to 2000	.96	.77	.65	.58
◆ 551-PS2802-4-A	PS2802-4-A	J	SSOP-16	UL/BSI	50	40	6.0	200/200	200 to 2000	3.93	3.14	2.67	2.36
AC Devices, High Isolation Voltage													
551-PS2506-1-A	PS2506-1-A	K	DIP-4	UL	80	40	6.0	100/100	200 to 2000	.82	.66	.56	.49
◆ 551-PS2506L-1-A	PS2506L-1-A	K	DIP-4	UL	80	40	6.0	100/100	200 to 2000	.87	.70	.59	.52
551-PS2506-2-A	PS2506-2-A	L	DIP-8	UL	80	40	6.0	100/100	200 to 2000	1.65	1.32	1.12	.99
◆ 551-PS2506L-2-A	PS2506L-2-A	L	DIP-8	UL	80	40	6.0	100/100	200 to 2000	1.69	1.35	1.15	1.02
551-PS2506-4-A	PS2506-4-A	M	DIP-16	UL	80	40	6.0	100/100	200 to 2000	3.38	2.70	2.30	2.03
◆ 551-PS2506L-4-A	PS2506L-4-A	M	DIP-16	UL	80	40	6.0	100/100	200 to 2000	3.33	2.66	2.26	2.00
◆ 551-PS2706-1-A	PS2706-1-A	K	SOP-4	UL/BSI	50	40	6.0	200/200	200 to 2000	.88	.70	.60	.53
◆ 551-PS2806-1-A	PS2806-1-A	K	SSOP-4	UL/BSI	50	40	6.0	200/200	200 to 2000	1.19	.95	.81	.71
◆ 551-PS2806-4-A	PS2806-4-A	M	SSOP-16	UL/BSI	50	40	6.0	200/200	200 to 2000	6.18	4.94	4.20	3.71

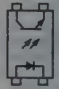
CEL DARLINGTON TRANSISTOR OPTOCOUPLERS, GUARANTEED 0.4MM INSULATION

◆ Surface Mount

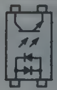
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
DC Devices, High CTR, High Isolation Voltage													
551-PS2562-1-A	PS2562-1-A	H	DIP-4	UL/BSI	80	40	6.0	100/100	200 to 2000	.85	.68	.58	.51
◆ 551-PS2562L-1-A	PS2562L-1-A	H	DIP-4	UL/BSI	80	40	6.0	100/100	200 to 2000	.74	.59	.50	.44
AC Devices, High CTR, High Isolation Voltage													
551-PS2566-1-A	PS2566-1-A	K	DIP-4	UL/BSI	80	40	6.0	100/100	200 to 2000	.85	.68	.58	.51

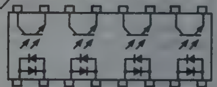
A



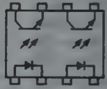
B



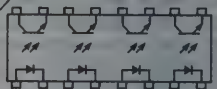
C



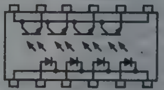
D



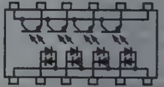
E



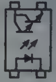
F



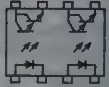
G



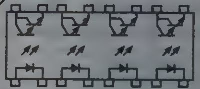
H



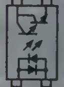
I



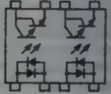
J



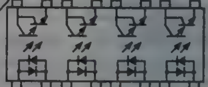
K



L



M



CEL Optocouplers

RoHS Compliant **This page of product is compliant.**

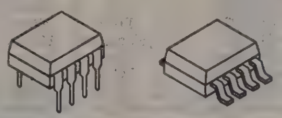
Applications:
Can be used as an interface circuit for various instrumentations and control equipment in the following:
- AC line/digital logic
- Twisted pair line receiver
- Digital logic/digital logic
- Telephone/telegraph line receiver

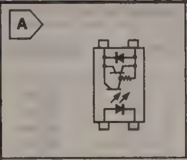
Safety Standards:
UL = UL Recognized (UL File No: E72422(S))
UL/VDE = UL Recognized & VDE Recognized
UL/BSI = UL Recognized & BSI Approved
UL File No.: E72422(S) / BSI Approved No.: 7112/7420

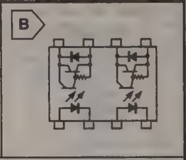
LEAD-FREE

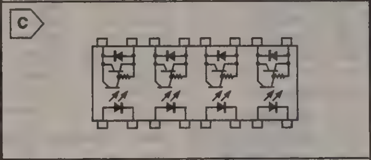
RoHS Compliant

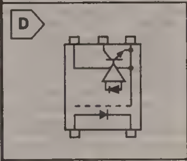
Features:
- High isolation voltage
- High current transfer ratio
- Low cost
- High speed switching

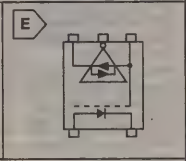


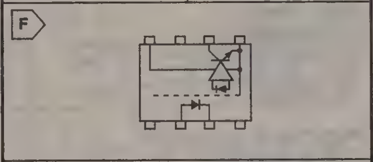

A

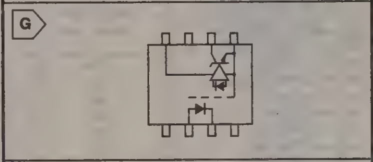

B

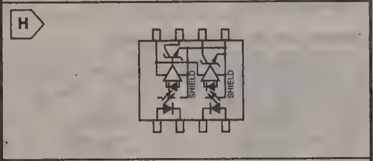

C

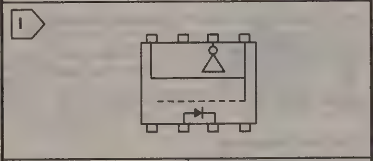

D

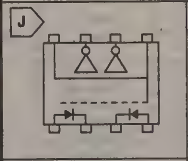

E

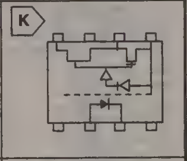

F

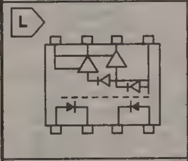

G

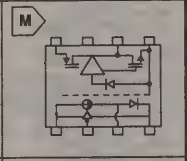

H

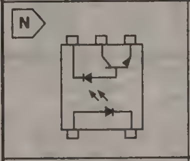

I

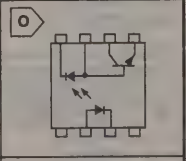

J

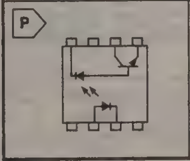

K

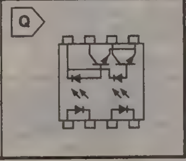

L


M


N


O


P


Q

CEL DARLINGTON TRANSISTOR, HIGH VCEO OPTOCOUPLERS

◆ **Surface Mount**

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	IF (mA)	VCEO (V)	VECO (V)	Typical Rise/Fall t_r / t_f (μs)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
DC Devices													
551-PS2532-1-A	PS2532-1-A	A	DIP-4	UL/BSI	80	300	6.0	100/100	1500 to 6500	.82	.66	.56	.49
◆ 551-PS2532L-1-A	PS2532L-1-A	A	DIP-4	UL/BSI	80	300	6.0	100/100	1500 to 6500	.86	.69	.59	.52
551-PS2533-1-A	PS2533-1-A	A	DIP-4	UL/BSI	80	350	6.0	100/100	1500 to 6500	1.31	1.05	.89	.79
◆ 551-PS2533L-1-A	PS2533L-1-A	A	DIP-4	UL/BSI	80	350	6.0	100/100	1500 to 6500	1.41	1.13	.96	.84
◆ 551-PS2732-1-A	PS2732-1-A	A	SOP-4	UL/BSI	50	300	6.0	100/100	1500 to 6500	1.09	.87	.74	.66
◆ 551-PS2733-1-A	PS2733-1-A	A	SOP-4	UL/BSI	50	350	6.0	100/100	1500 to 4000	1.41	1.12	.96	.84
◆ 551-PS2832-1-A	PS2832-1-A	A	SSOP-4	UL/BSI	50	300	0.3	20/5.0	400 to 4500	.94	.75	.64	.56
◆ 551-PS2832-4-A	PS2832-4-A	C	SSOP-16	UL/BSI	50	300	0.3	20/5.0	400 to 4500	5.03	4.02	3.42	3.02
◆ 551-PS2833-1-A	PS2833-1-A	A	SSOP-4	UL/BSI	50	350	0.3	20/5.0	400 to 4500	1.68	1.34	1.14	1.01
◆ 551-PS2833-4-A	PS2833-4-A	C	SSOP-16	UL/BSI	50	350	0.3	20/5.0	400 to 4500	4.33	3.46	2.94	2.60
◆ 551-PS2932-1-A	PS2932-1-A	A	MiniFlat-4	UL/BSI	50	350	0.3	20/5.0	400 to 4500	1.75	1.40	1.19	1.05
◆ 551-PS2933-1-A	PS2933-1-A	A	MiniFlat-4	UL/BSI	50	350	0.3	20/5.0	400 to 4500	1.73	1.39	1.18	1.04

CEL HIGH SPEED DIGITAL OPTOCOUPLERS

◆ **Surface Mount**

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	Digital Speed (Mbps)	VCC Range (V)	Isolation Voltage (VRMS)	Prop. Delay (L/H) (Typ.) (ns)	Threshold Input Curr. (Typ.) (mA)	Price Each			
										1	100	500	1000
10kV/us Minimum Noise Immunity													
◆ 551-PS9113-A	PS9113-A	D	SOP-5	UL	1	-0.5 to +35	2500	250/520	25	3.58	2.86	2.43	2.15
551-PS9115-A	PS9115-A	E	SOP-5	UL	10	4.5 to 5.5	2500	33/40	2.3	3.60	2.88	2.45	2.16
◆ 551-PS9117-A	PS9117-A	D	SOP-5	UL	10	4.5 to 5.5	2500	35/40	2	3.60	2.88	2.45	2.16
◆ 551-PS9121-A	PS9121-A	D	SOP-5	UL/VDE	10	2.7 to 5.5	2500	43/46	30	2.93	2.34	1.99	1.76
551-PS9613-A	PS9613-A	F	DIP-8	UL/VDE	1	0.5 to +35	5000	250/250	1.5	2.33	1.87	1.59	1.40
551-PS9614-A	PS9614-A	F	DIP-8	UL	10	4.5 to 5.5	3750	51/61	2.3	2.41	1.92	1.64	1.44
551-PS9614L-A	PS9614L-A	F	DIP-8	UL	10	4.5 to 5.5	3750	51/61	2.3	2.50	2.00	1.70	1.50
◆ 551-PS9817-1-A	PS9817-1-A	G	SO-8	UL	10	4.5 to 5.5	2500	40/45	2.0	2.02	1.61	1.37	1.21
◆ 551-PS9817-2-A	PS9817-2-A	H	SO-8	UL	10	4.5 to 5.5	2500	40/45	2.0	3.15	2.52	2.14	1.89
551-PS9821-1-A	PS9821-1-A	I	SO-8	UL	15	2.7 to 5.5	2500	43/46	20	2.15	1.72	1.46	1.29
551-PS9821-2-A	PS9821-2-A	J	SO-8	UL	15	2.7 to 5.5	2500	43/46	20	3.45	2.76	2.35	2.07
551-PS9851-1-A	PS9851-1-A	K	SO-8	UL	15	4.5 to 5.5	2500	35/30	60 Max.	2.85	2.28	1.94	1.71
551-PS9851-2-A	PS9851-2-A	L	SO-8	UL	15	4.5 to 5.5	2500	35/30	60 Max.	5.40	4.32	3.67	3.24

CEL CMOS HIGH SPEED DIGITAL OPTOCOUPLERS

◆ **Surface Mount**

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	Digital Speed (Mbps)	VCC Range (V)	Isolation Voltage (VRMS)	Prop. Delay (L/H) (Typ.) (ns)	Total Power Dissapation (Max.) (mW)	Price Each			
										1	100	500	1000
10kV/us Minimum Noise Immunity													
551-PS9661-A	PS9661-A	M	DIP-8	UL	25	4.5 to 5.5	3750	20/23	150mW	7.88	6.30	5.36	4.73

CEL HIGH SPEED ANALOG OPTOCOUPLERS

◆ **Surface Mount**

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Package	Safety Standard	Analog Speed (Mbps)	Isolation Voltage (VRMS)	Prop. Delay (Typ.) (us)	Forward Current (Max.) (mA)	Current Transfer Ratio %	Price Each			
										1	100	500	1000
High Noise Immunity													
◆ 551-PS8103-A	PS8103-A	N	SOP-5	UL	0.2	2500	1	50	10 to 30	1.63	1.30	1.11	.98
◆ 551-PS8101-A	PS8101-A	N	SOP-5	UL	1	2500	0.5	25	15 to 35	2.00	1.60	1.36	1.20
◆ 551-PS8101-K-A	PS8101-K-A	N	SOP-5	UL	1	2500	0.5	25	20 to 35	2.00	1.60	1.36	1.20
◆ 551-PS8802-1-A	PS8802-1-A	O	SO-8	UL	1	2500	0.6	25	15 to 35	2.02	1.61	1.37	1.21
◆ 551-PS8802-2-A	PS8802-2-A	Q	SO-8	UL	1	2500	0.6	25	15 to 35	3.78	3.02	2.57	2.27
◆ 551-PS8821-1-A	PS8821-1-A	P	SO-8	UL	1	2500	0.3/0.5	25	20 to 40	1.93	1.54	1.31	1.16
◆ 551-PS8821-2-A	PS8821-2-A	Q	SO-8	UL	1	2500	0.3/0.5	25	20 to 40	3.95	3.16	2.69	2.37
551-PS8601-A	PS8601-A	O	DIP-8	UL	1	5000	0.5	25	15 (min)	1.68	1.35	1.14	1.01
◆ 551-PS8601L-A	PS8601L-A	O	DIP-8	UL	1	5000	0.5	25	15 (min)	1.73	1.38	1.17	1.04
551-PS8602-A	PS8602-A	P	DIP-8	UL	1	5000	0.5	25	15 (min)	2.06	1.65	1.40	1.24
◆ 551-PS8602L-A	PS8602L-A	P	DIP-8	UL	1	5000	0.5	25	15 (min)	2.20	1.76	1.49	1.32

OPTEK Optoelectronics

TT electronics
OPTEK Technology

RoHS Compliant **This page of product is compliant.**

Infared NPN Phototransistors-Surface Mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Wavelength	IC (on)	Power Dissipation	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OP520	1206	890nm	.25 mA	75 mW	.41	.35	.25
828	OP521	1206	890nm	.25 mA	75 mW	.41	.35	.25
828	OP522	1206	890nm	.50 mA	75 mW	.41	.35	.25
828	OP580	PLCC-2	890nm	1.0 mA	75 mW	.56	.47	.34
828	OP570	1.9mm Axial	890nm	2.5 mA	130 mW	.49	.41	.29
828	OP571	1.9mm Gull	890nm	2.5 mA	130 mW	.49	.41	.29
828	OP572	1.9mm Yoke	890nm	2.5 mA	130 mW	.49	.41	.29
828	OP573	1.9mm Z-Bend	890nm	2.5 mA	130 mW	.49	.41	.29

Infared NPN Phototransistors-Thru-Hole

For quantities of 1000 and up, call for quote.

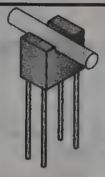
MOUSER STOCK NO.		Package	Wavelength	IC (on)	Power Dissipation	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OP505A	T1	890nm	4.3 mA	100 mW	.59	.49	.45
828	OP506A	T1	890nm	4.3 mA	100 mW	.75	.62	.57
828	OP506B	T1	890nm	2.15 mA	100 mW	.75	.62	.57
828	OP599A	T1-3/4	890nm	2.35 mA	100 mW	.66	.54	.50
828	OP550A	Side Look	890nm	2.55 mA	100 mW	.70	.58	.53
828	OP598A	TO-18	890nm	7.5 mA	100 mW	.70	.58	.53
828	OP598B	TO-18	890nm	5.0 mA	100 mW	.70	.58	.53
828	OP805SL	TO-18	890nm	15.0 mA	250 mW	2.16	1.77	1.62

Fluid Sensors

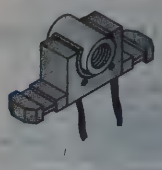
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Tube Size (in)	Lead Type	Wavelength	Sensor	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OPB350L062	0.062	PCB Pins	890nm	Transistor	7.40	6.63	5.38
828	OPB350W062Z	0.062	Wire Leads	890nm	Transistor	9.65	8.45	7.02
828	OPB350	0.125	PCB Pins	890nm	Transistor	6.68	5.42	4.85
828	OPB350L187	0.187	PCB Pins	890nm	Transistor	7.13	6.38	5.18
828	OPB350W187Z	0.187	Wire Leads	890nm	Transistor	9.32	8.14	6.77
828	OPB350L250	0.25	PCB Pins	890nm	Transistor	7.13	6.38	5.18
828	OPB350W250Z	0.25	Wire Leads	890nm	Transistor	9.32	8.14	6.77

NEW FROM SUPPLIER



"N" Package



"T" Package

Color Sensors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Number of Colors	Supply Voltage	Operating Temp Range	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OPB780Z	A	256	2.7-5.5	-40°– +70°C	21.73	20.42	19.61

Reflective Object Sensors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cont. Forward Current (mA)	Sensor	Forward Voltage (VF)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OPB700Z	B	100	Transistor	1.7	7.51	5.48	5.08
828	OPB701ALZ	B	100	Transistor	1.7	9.82	8.83	8.34
828	OPB710	C	50	Transistor	1.5	7.67	4.58	4.19
828	OPB742	D	40	Transistor	1.7	2.89	2.10	1.95
828	OPB745	D	40	Transistor	1.7	3.60	2.62	2.43
828	OPB716Z	E	50	Transistor	4.75	9.52	8.15	6.75
828	OPB770TZ	F	10	Logic	4.75	8.25	6.40	5.90

Hollogic® Hall Effect Sensors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Operating Point (Min./Typ./Max.)	Release Point	Supply Curr. (Typ./Max.)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OH090U	G	0/90/180	-100/65/100	6/9 (mA)	2.79	1.63	1.55
828	OHS3140U	G	45/-/270	25/-/250	4/7 (mA)	3.11	1.82	1.72

Hollogic® Hall Effect Sensors Assembly

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Output Rise Time (Typ./Max.)	Output Fall Time (Typ./Max.)	Supply Curr. (Typ./Max.)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OHB900	H	0.21/1.00 μs	0.10/1.00μ	4/7 (mA)	6.72	3.92	3.72

Optical Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Output Type	Slot Width (in.)	Lead Spacing (in.)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OPB620	I	Transistor	0.19	0.325	1.94	1.41	1.31
828	OPB804	I	Transistor	0.15	0.31	1.98	1.44	1.34
828	OPB818	I	Transistor	0.20	0.41	2.72	1.97	1.84
828	OPB848	I	Transistor	0.10	0.31	2.55	1.85	1.72
828	OPB610	I	Transistor	0.15	0.28	1.94	1.41	1.31
828	OPB680	J	Transistor	Flag	0.28	4.87	3.54	3.28
828	OPB819Z	K	Transistor	1.26	- - -	7.12	5.18	4.80
828	OPB930W55Z	L	Photologic ®	0.125	- - -	6.05	4.55	4.25

Fiber Optic LED

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Output Power Min/Typ	Fiber	Lead Spacing (in.)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OPF1414T	M	13.2μW / 26.0μW	50/125	100	15.29	12.52	11.47
828	OPF370A	N	25.0μW / 29.0μW	50/125	100	8.89	7.28	6.68
828	OPF372A	O	25.0μW / 29.0μW	50/125	100	17.43	14.26	13.07

Fiber Optic Pin Photodiodes and Receivers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Responsively Min./Typ.	Output Rise Time (ns)	Output Current (mA)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OPF2416T	M	5.3 / 7.0 (mV/μW)	3.3	25	14.28	11.69	10.72
828	OPF470	N	.45 / .55 (A/W)	6.0	- - -	9.20	7.53	6.90
828	OPF480	N	.45 / .55 (A/W)	1.0	- - -	7.30	5.98	5.48
828	OPF482	O	.45 / .55 (A/W)	1.0	- - -	15.49	12.68	11.62

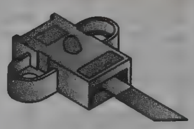
Optoisolators

For quantities of 1000 and up, call for quote.

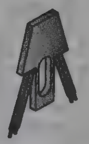
MOUSER STOCK NO.		Fig.	Isolation Voltage	Cont Forward Current	Current Transfer Ratio	Price Each		
Mfr.	Mfr. Part No.					1	10	100
828	OPI1264A	P	10K	40mA	25%	2.83	2.06	1.90

NEW FROM SUPPLIER

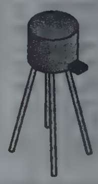
A



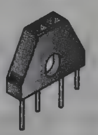
B



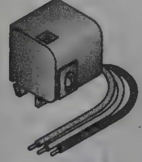
C



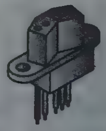
D



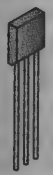
E



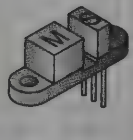
F



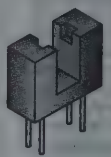
G



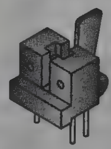
H



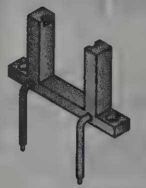
I



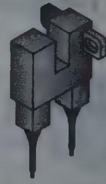
J



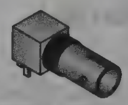
K



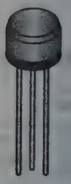
L



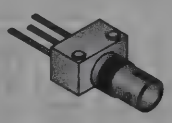
M



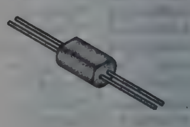
N



O



P



PACIFIC SILICON SENSOR Optical Sensors

PACIFIC
SILICON SENSOR
Incorporated

UV/BLUE ENHANCED SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W		Shunt Resistance MΩ @ 10mV	Capacitance pF @ 5V	Rise Time μs @ 850mm, 0V	Price Each	
				@200mm	@340mm				1	5
718-PC1-2-TO18	PC1-2-TO18	TO18	1.13mm Dia	.10	.17	2000	.20	.50	20.20	18.69
718-PC2-2-TO18	PC2-2-TO18	TO18	1.6mm Dia	.10	.17	2000	.40	.80	22.40	20.72
718-PC5-2-TO5	PC5-2-TO5	TO5	2.52mm Dia	.10	.17	1000	1	1.5	25.00	23.13
718-PC10-2-TO5	PC10-2-TO5	TO5	3.57mm Dia	.10	.17	500	1	2.5	31.00	28.68
718-PC20-2-TO8	PC20-2-TO8	TO8	5.05mm Dia	.10	.17	100	2	3.5	49.59	44.37
718-PC50-2-TO8	PC50-2-TO8	TO8	7.98mm	.10	.17	70	5	6	93.02	83.23
718-PR33-2-TO8	PR33-2-TO8	TO8	5.5 x 6.1mm	.10	.17	100	2	2	54.63	48.88
718-PS1002CER2PINWQW	PS100-2-CER-2PINW/Qwin	SMD	10 x 10mm	.10	.17	40	10	10	131.39	117.56

HIGH SPEED EPITAXIAL P-I-N SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W	Shunt Resistance MΩ10mV	Capacitance pF		Rise Time μs @ 850mm, 0V	Price Each	
						@ 0V	@ 10 V		1	5
718-PS0.25-5-TO52-S1	PS0.25-5-TO52-S1	TO52	.50 x .50mm	.50 @ 850mm	200	6	1.80	2	16.80	15.54
718-PS0.9-5-TO52-S1	PS0.9-5-TO52-S1	TO52	.95 x .95mm	.50 @ 850mm	200	25	4	9	16.80	15.54
718-PS3.6-5-TO5	PS3.6-5-TO5	TO5	1.90 x 1.90mm	.50 @ 850mm	200	90	20	15	20.20	18.69
718-PS11.9-5-TO5S	PS11.9-5-TO5S	TO5	3.45 x 3.45mm	.50 @ 850mm	200	180	40	25	33.60	31.08

LOW DARK CURRENT SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

718-PC1-6-TO52-S1	PC1-6-TO52-S1	TO52	1.13mm	.62 @ 900mm	>2000	40	3	2	14.60	13.51
718-PC2-6-TO52-S1	PC2-6-TO52-S1	TO52	1.6mm Dia	.62 @ 900mm	>2000	50	5	2	16.80	15.54
718-PC5-6-TO5	PC5-6-TO5	TO5	2.52mm Dia	.62 @ 900mm	>2000	90	10	2	19.00	17.58
718-PC20-6-TO8	PC20-6-TO8	TO8	5.05mm Dia	.62 @ 900mm	750	220	35	2	48.60	44.96
718-PC50-6-TO8	PC50-6-TO8	TO52	7.98mm Dia	.62 @ 900mm	300	480	100	2	53.49	47.86
718-PS100-6-CER2PIN	PS100-6-CER2PIN	Cer Pin	10 x 10mm	.62 @ 900mm	150	900	170	2	59.57	53.30
718-PS100-6-SM	PS100-6-SM	SMD	10 x 10mm	.62 @ 900mm	150	900	170	2	59.57	53.30
718-PR33-6-TO8	PR33-6-TO8	TO8	5.5 X 6.1mm	.62 @ 900mm	500	350	70	2	48.64	43.52

LOW CAPACITANCE SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W		Dark Current nA @ 12V	Capacitance pF @ 12V	Rise Time ns @ 12V	Price Each	
				950nm	1064nm				1	5
718-PC1-7-TO52	PC1-7-TO52	TO52	1.13mm Dia	.65	.20	1	2	30	14.60	13.51
718-PC5-7-TO5	PC5-7-TO5	TO5	2.52mm Dia	.65	.20	1	5	45	19.00	17.58
718-PC10-7-TO5	PC10-7-TO5	TO5	3.57mm Dia	.65	.20	1	10	50	23.50	21.74
718-PC20-7-SM	PC20-7-SM	SMD	5.05mm Dia	.65	.20	2	20	50	35.80	33.12
718-PC20-7-TO8	PC20-7-TO8	TO8	5.05mm Dia	.65	.20	2	20	50	42.60	39.41
718-PC50-7-TO8	PC50-7-TO8	TO8	7.98mm Dia	.65	.20	2	35	55	49.30	45.60
718-PR80-7-SM	PR80-7-SM	SMD	8 x 10mm	.65	.20	5	65	45	47.00	43.48
718-PC100-7-SM	PC100-7-SM	SMD	100mm Dia	.65	.20	10	80	55	52.16	46.67
718-PS100-7-CER-PIN	PS100-7-CER-PIN	Cer Pin	10 x 10mm	.65	.20	5	80	55	52.16	46.67
718-PS100-7SM	PS100-7SM	SMD	10 x 10mm	.65	.20	5	80	55	52.16	46.67
718-PS0.25-7-TO52	PS0.25-7-TO52	TO52	.50 x .50mm	.65	.20	.10	1	30	12.30	11.38

QUADRANT SILICON PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Area	Responsivity A/W @ 633nm	Breakdown Voltage	Dark Current nA @ 10Vr	Capacitance pF @ 10Vr	Rise Time ns @ 10V	Price Each	
									1	5
718-QP100-6-SM	QP100-6-SM	SMD	11.2 Dia	.45	15	10	130	50	133.76	119.68
718-QP5.8-6-TO5	QP5.8-6-TO5	TO5	1.2 x 1.2 mm	.45	30	2	70	100	18.40	17.02
718-QP50-6-18U-SD2	QP50-6-18U-SD2	SMD	7.98 Dia	.45	15	5	70	40	308.43	287.30
718-QP50-6-18U-SM	QP50-6-18U-SM	SMD	7.98 Dia	.45	15	5	70	40	65.55	58.65
718-QP50-6-18U-TO8	QP50-6-18U-TO8	TO8	7.98 Dia	.45	15	5	70	40	69.16	61.88
718-QP50-6-SM	QP50-6-SM	SMD	7.98 Dia	.45	15	5	70	40	65.55	58.65
718-QP50-6-TO8	QP50-6-TO8	TO8	7.98 Dia	.45	15	5	70	40	69.16	61.88
718-QP50-6-SD2	QP50-6-SD2	50mm2 quadrant photodiode array with current-to-voltage amplifiers							308.43	287.30

HIGH SPEED/HIGH GAIN AVALANCHE PHOTODIODES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Package	Active Area Dia (mm)	Dark Current @ M = 100 Typ nA	Capacitance Typ pF	Rise Time ns	Breakdown Voltage	Optimum Gain	Price Each	
									1	5
718-AD100-8-S1	AD100-8-S1	TO52	0.23	.05	.80	.18	120-190	50-60	80.94	72.42
718-AD230-8-S1	AD230-8-S1	TO52	0.23	.60	1.50	.18	120-190	50-60	80.94	72.42
718-AD500-8-S1	AD500-8-S1	TO52	0.50	.50	2.50	.28	120-190	50-60	87.78	78.54
718-AD800-8-S1	AD800-8-S1	TO52	0.80	6	5	.70	120-200	50-60	110.58	98.94
718-AD1100-8-TO52-S1	AD1100-8-TO52-S1	TO52	0.23	10	10	1	120-200	40-60	145.73	130.39
718-AD1900-8-TO5I	AD1900-8-TO5I	TO5	1.95	15	20	1.30	120-200	40-60	414.09	385.73
718-AD2500-8-TO5I	AD2500-8-TO5I	TO5	2.52	30	40	2	120-200	40-60	456.23	417.12
718-AD230-2.3G-TO5	AD230-2.3G-TO5	TO5	0.23mm high frequency optical data receiver comprising a photodiode & a transimpedance amplifier						186.20	166.80
718-AD500-1.3G-TO5	AD500-1.3G-TO5	TO5	0.5 mm high frequency optical data receiver comprising a photodiode & a transimpedance amplifier						167.20	149.60
718-APD50-AD2500-8	718-APD50-AD2500-8	TO52	A 5.0 mm, 25 MHz Si avalanche photodiode and low noise preamplifier module						1478.19	1323.75
718-APD50AD5008TO525	718-APD50AD5008TO525	TO5	A 2.5 mm, 15 MHz Si avalanche photodiode and low noise preamplifier module						1478.19	1323.75

NEAR INFRA-RED ENHANCED AVALANCHE PHOTODIODES

For quantities of 10 and up, call for quote.

718-AD003B-9-TO5I	AD003B-9-TO5I	TO5	.33	2	2	1	120-300	50-60	93.10	83.30
718-AD230-9-400M-TO5	AD230-9-400M-TO5	TO5	.23	.60	.80	.55	120-300	50-60	176.70	158.10
718-AD230-9-TO52-S1	AD230-9-TO52-S1	TO52	.23	.60	.80	.55	120-300	50-60	86.26	77.18
718-AD500-9-400M-TO5	AD500-9-400M-TO5	TO5	.50	.80	1.20	.55	120-300	50-60	176.70	158.10
718-AD500-9-TO52-S1	AD500-9-TO52-S1	TO52	.50	.80	1.20	.55	120-300	50-60	93.10	83.30
718-AD800-9-TO52-S1	AD800-9-TO52-S1	TO52	.80	5	2	1	120-300	50-60	121.41	108.63
718-AD1100-9-TO52-S1	AD1100-9-TO52-S1	TO52	1.13	10	3	1	120-300	50-60	165.30	147.90
718-AD1100-9-TO5I	AD1100-9-TO5I	TO5	1.13	10	3	1	120-300	50-60	171.00	153.00
718-AD1900-9-TO5I	AD1900-9-TO5I	TO5	1.95	20	7	1.50	120-300	50-60	410.63	382.50
718-AD2500-9-TO5I	AD2500-9-TO5I	TO5	2.52	30	11	1.50	120-300	50-60	452.90	414.08
718-AD3000-9-TO5I	AD3000-9-TO5I	TO5	3	40	16	2	120-300	50-60	479.15	438.08

POSITION SENSITIVE DETECTORS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Pacific Silicon Sensor Part No.	Description	Price Each	
			1	5
718-DL16-7PCBA3	DL16-7PCBA3	X, Y duolateral position sensing photodiode with preamplifier circuitry. Active area 4mm x 4mm	511.00	465.00
718-DL100-7-PCBA3	DL100-7-PCBA3	X, Y duolateral position sensing photodiode with preamplifier circuitry. Active area 10mm x 10mm	663.25	601.00
718-OD3.5-6SO8	OD3.5-6SO8	Single Axis Position Sensing detector 3.5x1mm in Plastic Encapsulated SM Package	16.40	15.17
718-DL100-7CER-SMD	DL100-7CER-SMD	Dual Axis Si Position Sensor 10x10mm Active Area in SM Ceramic Pkg	374.13	348.50
718-DL16-7-CER-SMD	DL16-7-CER-SMD	Dual Axis Si Position Sensor 4x4 mm Active Area in SM Ceramic Pkg	239.99	223.55

WAVELENGTH SELECTIVE DETECTORS

For quantities of 10 and up, call for quote.

718-WS7.56-TO5	WS7.56-TO5	2.75x2.75mm Active Area Wavelength Sensor with two p-n junctions in TO5 package	48.00	44.40

SHARP Microelectronics Photocouplers

SHARP
MICROELECTRONICS OF THE AMERICAS

SHARP
MICROELECTRONICS OF THE AMERICAS

PHOTOCOUPLERS

RoHS Compliant **This page of product is compliant.**

RoHS Compliant

MOUSER STOCK NO.	Sharp Part No.	Pkg.	Output Type	Current Transfer Ratio				Output		Price Each			
				Min (%)	Max (%)	@ Vce	@ If	Vceo Max.	Ic Max.	1	10	25	50
852-PC12310NSZ0F	PC12310NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.46	.38	.30	.25
852-PC12311NSZ0F	PC12311NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.55	.35	.27	.26
852-PC123AJ0000F	PC123AJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.46	.38	.30	.25
852-PC123BJ0000F	PC123BJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.46	.38	.30	.25
852-PC123CJ0000F	PC123CJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.17	.16	.16	.15
852-PC123F1J000F	PC123F1J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.25	.24	.23	.23
852-PC123F2J000F	PC123F2J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.49	.40	.32	.26
852-PC123FJ0000F	PC123FJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.46	.38	.30	.25
852-PC123FY1J00F	PC123FY1J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.57	.47	.38	.31
852-PC123FY2J00F	PC123FY2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.54	.45	.36	.29
852-PC123FY8J00F	PC123FY8J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.29	.28	.27	.26
852-PC123FYJ000F	PC123FYJ000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.54	.45	.36	.29
852-PC123J00000F	PC123J00000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.41	.34	.27	.22
852-PC123P2J000F	PC123P2J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.46	.38	.30	.25
852-PC123PJ0000F	PC123PJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.43	.36	.29	.23
852-PC123PY2J00F	PC123PY2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.65	.54	.43	.35
852-PC123SJ0000F	PC123SJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.51	.43	.34	.28
852-PC123Y1J000F	PC123Y1J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.54	.45	.36	.29
852-PC123Y22J00F	PC123Y22J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.24	.18	.14	.12
852-PC123Y23J00F	PC123Y23J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.30	.22	.18	.15
852-PC123Y2J000F	PC123Y2J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.28	.27	.26	.25
852-PC123Y5J000F	PC123Y5J000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.18	.18	.17	.16
852-PC123YA2J00F	PC123YA2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.34	.25	.20	.16
852-PC123YC2J00F	PC123YC2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.30	.22	.18	.15
852-PC123YJ0000F	PC123YJ0000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.51	.43	.34	.28
852-PC123YSJ000F	PC123YSJ000F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.57	.47	.38	.31
852-PC123ZY2J00F	PC123ZY2J00F	DIP-4	Phototransistor	50	400	5V	5mA	70V	50mA	.43	.36	.29	.23
852-PC354N1J000F	PC354N1J000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.65	.54	.43	.35
852-PC354N1TJ00F	PC354N1TJ00F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.65	.54	.43	.35
852-PC354NJ0000F	PC354NJ0000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.46	.38	.30	.25
852-PC354NTJ000F	PC354NTJ000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.49	.40	.32	.26
852-PC355NJ0000F	PC355NJ0000F	SOP-4	Phototransistor	120	1500	2V	1mA	35V	80mA	.65	.54	.43	.35
852-PC355NTJ000F	PC355NTJ000F	SOP-4	Phototransistor	120	1500	2V	1mA	35V	80mA	.76	.63	.50	.41
852-PC357N0J000F	PC357N0J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.46	.38	.30	.25
852-PC357N0TJ00F	PC357N0TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.28	.27	.26	.25
852-PC357N1J000F	PC357N1J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.46	.38	.30	.25
852-PC357N1TJ00F	PC357N1TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.54	.45	.36	.29
852-PC357N2J000F	PC357N2J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.46	.38	.30	.25
852-PC357N2TJ00F	PC357N2TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.54	.45	.36	.29
852-PC357N3J000F	PC357N3J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.46	.38	.30	.25
852-PC357N3TJ00F	PC357N3TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.51	.43	.34	.28
852-PC357N4J000F	PC357N4J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.46	.38	.30	.25
852-PC357N4TJ00F	PC357N4TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.54	.45	.36	.29
852-PC357N5J000F	PC357N5J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.24	.23	.22	.21
852-PC357N5TJ00F	PC357N5TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.28	.27	.26	.25
852-PC357N6J000F	PC357N6J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.24	.23	.22	.21
852-PC357N6TJ00F	PC357N6TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.28	.27	.26	.25
852-PC357N7J000F	PC357N7J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.24	.23	.22	.21
852-PC357N7TJ00F	PC357N7TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.54	.45	.36	.29
852-PC357N8J000F	PC357N8J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.24	.23	.22	.21
852-PC357N8TJ00F	PC357N8TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.28	.27	.26	.25
852-PC357N9J000F	PC357N9J000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.22	.22	.21	.20
852-PC357N9TJ00F	PC357N9TJ00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.54	.45	.36	.29
852-PC357NJ0000F	PC357NJ0000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.43	.36	.29	.23
852-PC357NTJ000F	PC357NTJ000F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.46	.38	.30	.25
852-PC357T13J00F	PC357T13J00F	SOP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.49	.40	.32	.26
852-PC364N1J000F	PC364N1J000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.34	.32	.31	.30
852-PC364N1T000F	PC364N1T000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.34	.32	.31	.30
852-PC364NJ0000F	PC364NJ0000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.62	.52	.41	.33
852-PC364NTJ000F	PC364NTJ000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.32	.31	.30	.29
852-PC365NJ0000F	PC365NJ0000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	35V	80mA	.54	.45	.36	.29
852-PC367N1J000F	PC367N1J000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.51	.43	.34	.28
852-PC367N2J000F	PC367N2J000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.25	.24	.23	.23
852-PC367N2TJ00F	PC367N2TJ00F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.51	.43	.34	.28
852-PC367NJ0000F	PC367NJ0000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.46	.38	.30	.25
852-PC367NTJ000F	PC367NTJ000F	SOP-4	Phototransistor	60	1200	2V	0.5mA	80V	50mA	.49	.40	.32	.26
852-PC3H410NIP0F	PC3H410NIP0F	SOP-4	Phototransistor	50	400	-	0.5mA	-	-	.62	.52	.41	.33
852-PC3H411NIP0F	PC3H411NIP0F	SOP-4	Phototransistor	50	400	-	0.5mA	-	-	.62	.52	.41	.33
852-PC3H4AJ0000F	PC3H4AJ0000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.49	.40	.32	.26
852-PC3H4J00000F	PC3H4J00000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.46	.38	.30	.25
852-PC3H4TKJ000F	PC3H4TKJ000F	SOP-4	Phototransistor	20	400	-	1mA	80V	50mA	.51	.43	.34	.28
852-PC3H510NIP0F	PC3H510NIP0F	SOP-4	Phototransistor	60	1200	2V	0.5A	80V	-	.62	.52	.41	.33
852-PC3H5J00000F	PC3H5J00000F	SOP-4	Phototransistor	120	1500	2V	1mA	35V	80mA	.57	.47	.38	.31
852-PC3H710NIP0F	PC3H710NIP0F	SOP-4	Phototransistor	100	700	5V	0.5mA	80V	50mA	.49	.40	.32	.26

RoHS Compliant This page of product is compliant.

SHARP MICROELECTRONICS OF THE AMERICAS

PHOTOCOUPLERS (CONT.)

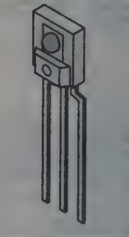
RoHS Compliant

MOUSER STOCK NO.	Sharp Part No.	Pkg.	Output Type	Current Transfer Ratio				Output		Price Each			
				Min (%)	Max (%)	@ Vce	@ If	Vceo Max.	Ic Max.	1	10	25	50
852-PC3H711NIP0F	PC3H711NIP0F	SOP-4	Phototransistor	100	700	5V	0.5mA	80V	50mA	.54	.45	.36	.29
852-PC3H712NIP0F	PC3H712NIP0F	SOP-4	Phototransistor	100	700	5V	0.5mA	80V	50mA	.54	.45	.36	.29
852-PC3H715NIP0F	PC3H715NIP0F	SOP-4	Phototransistor	100	700	5V	0.5mA	80V	50mA	.28	.27	.26	.25
852-PC3H7ABJ000F	PC3H7ABJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.43	.36	.29	.23
852-PC3H7ACJ000F	PC3H7ACJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.43	.36	.29	.23
852-PC3H7ADJ000F	PC3H7ADJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.43	.36	.29	.23
852-PC3H7AJ0000F	PC3H7AJ0000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.43	.36	.29	.23
852-PC3H7BCJ000F	PC3H7BCJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.43	.36	.29	.23
852-PC3H7BDJ000F	PC3H7BDJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.43	.36	.29	.23
852-PC3H7BJ0000F	PC3H7BJ0000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.46	.38	.30	.25
852-PC3H7CDJ000F	PC3H7CDJ000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.43	.36	.29	.23
852-PC3H7CJ0000F	PC3H7CJ0000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.46	.38	.30	.25
852-PC3H7DJ0000F	PC3H7DJ0000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.46	.38	.30	.25
852-PC3H7J00000F	PC3H7J00000F	SOP-4	Phototransistor	20	400	5V	1mA	80V	50mA	.41	.34	.27	.22
852-PC3Q410NIP0F	PC3Q410NIP0F	MiniFlat	Phototransistor	50	400	2V	0.5mA	80V	50mA	3.18	2.54	2.11	1.84
852-PC3Q510NIP0F	PC3Q510NIP0F	MiniFlat	Phototransistor	60	1200	2V	0.5mA	80V	50mA	2.83	2.26	1.88	1.64
852-PC3Q64J0000F	PC3Q64J0000F	MiniFlat	Phototransistor	20	400	-	1mA	80V	50mA	1.78	1.71	1.65	1.59
852-PC3Q64Q5J00F	PC3Q64Q5J00F	MiniFlat	Phototransistor	20	400	-	1mA	80V	50mA	3.28	2.62	2.18	1.90
852-PC3Q64QKJ00F	PC3Q64QKJ00F	MiniFlat	Phototransistor	20	400	-	1mA	80V	50mA	2.38	1.90	1.58	1.38
852-PC3Q65J0000F	PC3Q65J0000F	MiniFlat	Phototransistor	120	1500	2V	1mA	35V	80mA	2.65	2.12	1.76	1.54
852-PC3Q67J0000F	PC3Q67J0000F	MiniFlat	Phototransistor	120	1500	2V	1mA	80V	50mA	2.63	2.10	1.74	1.52
852-PC3Q67QKJ00F	PC3Q67QKJ00F	MiniFlat	Phototransistor	120	1500	2V	1mA	80V	50mA	1.40	1.12	.93	.81
852-PC3Q710NIP0F	PC3Q710NIP0F	MiniFlat	Phototransistor	100	600	5V	0.5mA	80V	50mA	2.55	2.04	1.69	1.48
852-PC713V2NSZXF	PC713V2NSZXF	DIP-6	Phototransistor	50	600	5V	5mA	80V	50mA	.59	.49	.39	.32
852-PC81100NSZ0F	PC81100NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.29	.28	.27	.26
852-PC81102NSZ0F	PC81102NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.59	.49	.39	.32
852-PC81105NSZ0F	PC81105NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.29	.28	.27	.26
852-PC81106NSZ0F	PC81106NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.29	.28	.27	.26
852-PC81108NSZ0F	PC81108NSZ0F	DIP-4	Phototransistor	50	400	5V	5mA	70V	20mA	.29	.28	.27	.26
852-PC81410NSZ0F	PC81410NSZ0F	DIP-4	Phototransistor	50	600	-	5mA	80V	50mA	.54	.45	.36	.29
852-PC81411NSZ0F	PC81411NSZ0F	DIP-4	Phototransistor	50	600	-	5mA	80V	50mA	.59	.49	.39	.32
852-PC814X1J000F	PC814X1J000F	DIP-4	Phototransistor	20	300	5V	1mA	80V	50mA	.41	.34	.27	.22
852-PC814XJ0000F	PC814XJ0000F	DIP-4	Phototransistor	20	300	5V	1mA	80V	50mA	.42	.31	.25	.20
852-PC814XP1J00F	PC814XP1J00F	DIP-4	Phototransistor	20	300	5V	1mA	80V	50mA	.57	.47	.38	.31
852-PC814XPJ000F	PC814XPJ000F	DIP-4	Phototransistor	20	300	5V	1mA	80V	50mA	.57	.47	.38	.31
852-PC81510NSZ0F	PC81510NSZ0F	DIP-4	Phototransistor	60	1200	2V	0.5mA	35V	-	.65	.54	.43	.35
852-PC81710NIP0F	PC81710NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.51	.43	.34	.28
852-PC81710NSZ0F	PC81710NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.43	.36	.29	.23
852-PC81710NSZJF	PC81710NSZJF	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.46	.38	.30	.25
852-PC81711NIP0F	PC81711NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.54	.45	.36	.29
852-PC81711NSZ0F	PC81711NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.43	.36	.29	.23
852-PC81712NIP0F	PC81712NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.54	.45	.36	.29
852-PC81712NSZ0F	PC81712NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.43	.36	.29	.23
852-PC81713NIP0F	PC81713NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.51	.43	.34	.28
852-PC81713NSZ0F	PC81713NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.43	.36	.29	.23
852-PC81716NIP0F	PC81716NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.51	.43	.34	.28
852-PC81716NSZ0F	PC81716NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.43	.36	.29	.23
852-PC81718NIP0F	PC81718NIP0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.51	.43	.34	.28
852-PC81718NSZ0F	PC81718NSZ0F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.43	.36	.29	.23
852-PC817X1J000F	PC817X1J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.36	.27	.21	.17
852-PC817X2J000F	PC817X2J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.36	.27	.21	.17
852-PC817X3J000F	PC817X3J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.36	.27	.21	.17
852-PC817X4J000F	PC817X4J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.36	.27	.21	.17
852-PC817X7J000F	PC817X7J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.39	.29	.23	.19
852-PC817X9J000F	PC817X9J000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.39	.29	.23	.19
852-PC817XI1J00F	PC817XI1J00F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.39	.29	.23	.19
852-PC817XI2J00F	PC817XI2J00F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.39	.29	.23	.19
852-PC817XIJ000F	PC817XIJ000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.36	.27	.21	.17
852-PC817XJ0000F	PC817XJ0000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.33	.25	.20	.16
852-PC817XP7J00F	PC817XP7J00F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.41	.34	.27	.22
852-PC817XPJ000F	PC817XPJ000F	DIP-4	Phototransistor	50	600	5V	5mA	80V	50mA	.42	.31	.25	.20
852-PC844IJ1J00F	PC844IJ1J00F	DIP-16	Phototransistor	20	300	5V	1mA	80V	50mA	1.40	1.12	.93	.81
852-PC844X1J000F	PC844X1J000F	DIP-16	Phototransistor	20	300	5V	1mA	80V	50mA	1.48	1.18	.98	.86
852-PC844XJ0000F	PC844XJ0000F	DIP-16	Phototransistor	20	300	5V	1mA	80V	50mA	1.38	1.10	.91	.80
852-PC847X0J000F	PC847X0J000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	1.23	.98	.81	.71
852-PC847X5J000F	PC847X5J000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	1.23	.98	.81	.71
852-PC847X7J000F	PC847X7J000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	1.13	.90	.75	.65
852-PC847XIJ000F	PC847XIJ000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	1.25	1.00	.83	.73
852-PC847XJ0000F	PC847XJ0000F	DIP-16	Phototransistor	50	600	5V	5mA	80V	50mA	1.13	.90	.75	.65
852-PC852XIJ000F	PC852XIJ000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	.65	.54	.43	.35
852-PC852XJ0000F	PC852XJ0000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	.59	.49	.39	.32
852-PC852XPJ000F	PC852XPJ000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	.65	.54	.43	.35
852-PC853XIJ000F	PC853XIJ000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	.68	.56	.45	.36
852-PC853XJ0000F	PC853XJ0000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	.62	.52	.41	.33
852-PC853XPJ000F	PC853XPJ000F	DIP-4	Phototransistor	200	3000	2V	1mA	350V	50mA	.36	.35	.34	.33

TAOS Opto Components

Products may be RoHS compliant.
Check mouser.com for RoHS status.

Light sensors from TAOS combine precision mixed-signal functionality with photo-detectors on the same integrated circuit to produce product with performance and cost advantages over conventional solutions. TAOS' intelligent opto sensors simplify analog-to-digital conversion of light and are designed to reduce the need for signal conditioning or preprocessing circuitry in light sensing systems. Our light sensing solutions improve system performance and reduce design cycle time giving designers the flexibility they require.


3-lead Sidelooker

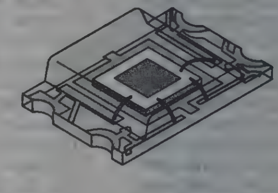
LIGHT-TO-VOLTAGE CONVERTERS

Light-to-voltage converters simplify the design by integrating a photodiode and a transimpedance amplifier on a single monolithic IC. This family provides a linear output voltage that is proportional to the light intensity. The devices cover a wide range of speed and responsivity to span a variety of applications.

* RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TAOS Part No.	Package	Voltage Range	Responsivity (mV(uW/cm2))	Spectral Response (nm)	Rise Time (uS)	Price Each			
							1	10	25	50
*856-TSL12S-LF	TSL12S-LF	3-lead Sidelooker	2.7V to 5.5V	248 @ 640 nm	320-1050	20	1.26	1.10	.95	.85
*856-TSL13S-LF	TSL13S-LF	3-lead Sidelooker	2.7V to 5.5V	64 @ 640 nm	320-1050	8	1.26	1.10	.95	.85
*856-TSL14S-LF	TSL14S-LF	3-lead Sidelooker	2.7V to 5.5V	16 @ 640 nm	320-1050	3	1.26	1.10	.95	.85
*856-TSL12T	TSL12T	TMB-4	2.7V to 5.5V	96 @ 640 nm	320-1050	20	1.37	1.20	1.03	.92
*856-TSL13T	TSL13T	TMB-4	2.7V to 5.5V	24 @ 640 nm	320-1050	8	1.37	1.20	1.03	.92
*856-TSL250R-LF	TSL250R-LF	3-Lead Sidelooker - Pb Free	2.7V to 5.5V	137 @ 635nm	350-1000	260	2.52	2.21	1.89	1.70
*856-TSL250RD	TSL250RD	SOIC-8	2.7V to 5.5V	69 @ 640 nm	350-1000	260	2.88	2.52	2.16	1.94
*856-TSL251R-LF	TSL251R-LF	3-Lead Sidelooker - Pb Free	2.7V to 5.5V	52 @ 635nm	350-1000	70	2.52	2.21	1.89	1.70
*856-TSL251RD	TSL251RD	SOIC-8	2.7V to 5.5V	17 @ 640 nm	350-1000	70	2.88	2.52	2.16	1.94
*856-TSL252R-LF	TSL252R-LF	3-Lead Sidelooker - Pb Free	2.7V to 5.5V	10.2 @ 635nm	350-1000	7	2.52	2.21	1.89	1.70
*856-TSL257-LF	TSL257-LF	3-Lead Sidelooker - Pb Free	2.7V to 5.5V	1300 @ 470nm	350-1000	160	2.02	1.76	1.51	1.36
*856-TSL261R-LF	TSL261R-LF	3-Lead Sidelooker - Pb Free	2.7V to 5.5V	43.5 @ 940 nm	850-1000	70	2.52	2.21	1.89	1.70
856-TSL267-LF	TSL267-LF	3-Lead Sidelooker - Pb Free	2.7V to 5.5V	450 @ 940 nm	850-1000	160	2.02	1.76	1.51	1.36


TMB-4

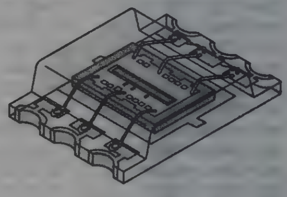
LIGHT-TO-FREQUENCY CONVERTERS

Light-to-frequency converters measure light intensity and convert it to a digital format providing a direct interface to a microcontroller or digital signal processor. This compact device performs the functions of light sensing, signal conditioning, and analog-to-digital conversion all in a single package. This family features low dark signal offset and a wide dynamic range of up to 160 dB. The output of these devices is a constant-amplitude waveform with frequency linearly proportional to light intensity.

* RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TAOS Part No.	Package	Dark Signal Frequency	Minimum Full Scale Frequency	Spectral Response	Able to Program	Price Each			
							1	10	25	50
*856-TSL230RD	TSL230RD	SOIC-8	0.4 Hz	1.1 MHz	350-1000	Yes	4.57	4.00	3.43	3.09
*856-TSL230RP-LF	TSL230RP-LF	PDIP-8	0.4 Hz	1.1 MHz	350-1000	Yes	6.91	6.05	5.18	4.67
*856-TSL230BRP-LF	TSL230BRP-LF	PDIP-8	0.4 Hz	1.1 MHz	350-1000	Yes	7.42	6.49	5.56	5.01
*856-TSL235R-LF	TSL235R-LF	3-Lead Sidelooker - Pb Free	0.4 Hz	500 KHz	350-1000	No	3.60	3.15	2.70	2.43
*856-TSL237T	TSL237T	TMB-4	0.1 Hz	500 KHz	350-1000	No	3.71	3.24	2.78	2.50
*856-TSL237S-LF	TSL237S-LF	3-lead Sidelooker - Pb free	0.1 Hz	500 KHz	350-1000	No	3.78	3.31	2.84	2.55
856-TSL245R	TSL245R-LF	3-lead Sidelooker	0.4 Hz	500 KHz	850-1000	No	3.60	3.15	2.70	2.43


TMB-6

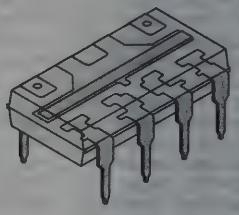
LIGHT-TO-DIGITAL CONVERTERS

Light- to-Digital Converters combine a broadband photodiode with a visible light blocking photodiode in a single CMOS integrated circuit. With integrated analog-to-digital conversion circuitry, data is output via a serial interface using two standard protocols: SMBus and I2C. One common application is to use the Light-to-Digital Converter in an ambient light sensing application. Light intensity in Lux can be calculated using the output from both photodiodes without the need of using an expensive optical filter.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TAOS Part No.	Package	Selectable Integration	Dynamic Range (lux)	ADC Digital Output	Digital Output Format	Oper. Voltage	Price Each			
								1	10	25	50
856-TSL2550D	TSL2550D	SOIC-8	160 & 800	0-10,000	7-bit companded	SMBus & I2C (up to 100 KHz)	5V	3.49	3.06	2.62	2.36
856-TSL2550T	TSL2550T	TMB-4	160 & 800	0-10,000	7-bit companded	SMBus & I2C (up to 100 KHz)	5V	3.28	2.87	2.46	2.21
856-TSL2561T	TSL2561T	TMB-6	12, 100, & 400	0.1-40000	16-bit linear	I2C (Fast made up to 400 MHz)	3V	2.84	2.49	2.13	1.92


DIP-8

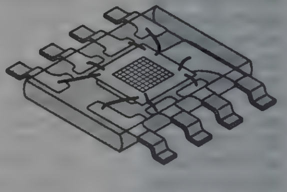
LINEAR SENSOR ARRAYS

Linear Sensor Arrays provides the capability of measuring spatial relationships in addition to light intensity. These devices consist of a linear array of integrating light sensing elements (pixels) which measure incident light over some exposure time and generate an output that can be either a voltage or a digital word which represents the light exposure at each pixel.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TAOS Part No.	Package	Resolution	# Pixels	Active Length (mm)	Outputs	Price Each			
							1	10	25	50
856-TSL201R-LF	TSL201R-LF	DIP-8	200	64	8.26	one analog	7.20	6.30	5.40	4.86
856-TSL1401R-LF	TSL1401R-LF	DIP-8	400	128	8.12	one analog	8.17	7.15	6.13	5.52


SOIC-8

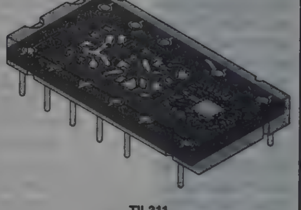
COLOR SENSOR

The programmable color light-to-frequency converter combines configurable silicon photodiodes and a current-to-frequency converter on single monolithic CMOS integrated circuit. The output is a square wave with frequency directly proportional to light intensity. The full-scale output frequency can be scaled by one of three preset values via two control input pins.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TAOS Part No.	Package	Voltage Range	Colors	Output	Oper. Free-Air Temp. Range (TA)	Price Each			
							1	10	25	50
856-TCS230D	TCS230D	SOIC-8	2.7V to 5.5V	Blue, Green, Red, Clear	4-Channel Light to Frequency	-40°C to 85°C	5.69	4.98	4.27	3.84


TIL311

LED HEXADECIMAL DISPLAY

The TIL311 is a single-digit LED hexadecimal display with internal four-bit latch, decoder, and constant-current LED drivers in a 14-pin dual-in-line-package. Hexadecimal characters are formed by a 4 x 7 array of red light-emitting-diodes that are illuminated in a modified seven-segment configuration. The device includes right-hand and left-hand externally driven decimal points.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TAOS Part No.	Operating Voltage	Character Height	Peak Wave Length	Price Each			
					1	10	25	50
856-TIL311	TIL311	5 V	0.300 In	660 nm	18.50	17.50	16.50	15.90

EVALUATION BOARDS (EVM)

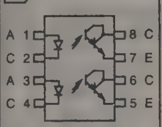
MOUSER STOCK NO.	TAOS Part No.	Description	Price Each
856-TCS230EVM	TCS230EVM	Evaluation system for the TCS230 Color Sensor. This EVM consists of a lens module with white LED illuminator, a Parallax BOE module and programmed BASIC Stamp, and PC host software that displays the RGB output values.	212.75
856-TSL2560EVM	TSL2560EVM	EVM for the TSL 2560 family. It stimulates automatic brightness control using the computer display panel. The ECM connects to any notebook or PC via a USB port in which the software interface provides control over the device feature set and demonstrates ALS implementation.	207.00

VISHAY Optocouplers

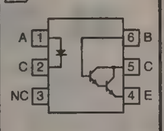
RoHS Compliant This page of product is compliant.

◆Surface Mount Devices

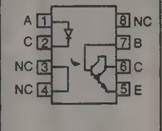
A



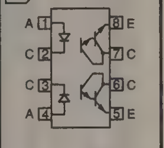
B



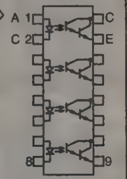
C



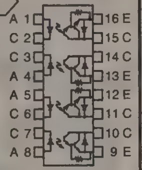
D



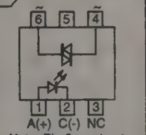
E



F

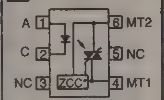


G



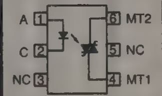
Note: Pin 5 must not be connected

H

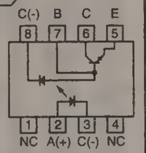


*ZeroCrossingCircuit

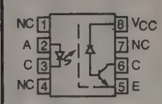
I



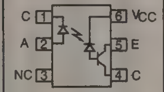
J



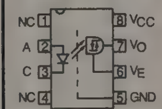
K



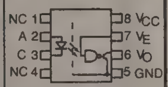
L



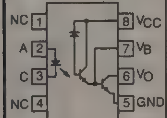
M



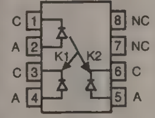
N



O



P



Q

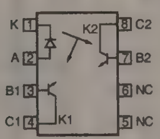


PHOTO DARLINGTON OUTPUT

Safety Standards:
- UL = UL Recognized (UL File No: E76222)
- UL/VDE = UL Recognized (E76222) & VDE Recognized
- UL/BSI/VDE = UL Recognized (E76222), BSI & VDE Recognized

RoHS Compliant
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	BVCEO (V)	BVECO (V)	Rise and Fall Times Typ. (μs)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each 1	100	500	1000
◆ 782—	ILD223T	A	SOIC-8	UL	30	30	5.0	----/----	4.0kV	500/----/----	1.22	.98	.81	.71
78—	4N32	B	DIP-6	UL	60	30	5.0	5.0/100 Max.	5.3kV	500/----/----	.32	.26	.21	.19
78—	4N33	B	DIP-6	UL	60	30	5.0	5.0/100 Max.	5.3kV	500/----/----	.32	.26	.21	.19
◆ 782—	IL221AT	C	SOIC-8	UL	60	30	5.0	----/----	3.0kV	100/----/----	.69	.55	.45	.40
◆ 782—	IL222AT	C	SOIC-8	UL	60	30	5.0	----/----	3.0kV	200/----/----	.69	.55	.45	.40
◆ 782—	IL223AT	C	SOIC-8	UL	60	30	5.0	----/----	3.0kV	500/----/----	.69	.55	.45	.40
782—	H11B1	B	DIP-6	UL	60	30	7.0	5.0/30	5.3kV	500/----/----	.79	.63	.52	.46
782—	H11B2	B	DIP-6	UL	60	30	7.0	5.0/30	5.3kV	200/----/----	.77	.61	.51	.44
782—	H11B3	B	DIP-6	UL	60	30	7.0	5.0/30	5.3kV	100/----/----	.77	.61	.51	.44
782—	ILD32	D	DIP-8	UL	60	30	-----	15/30	5.3kV	500/----/----	1.73	1.39	1.14	1.01
◆ 782—	TCMD4000	E	SOP-16	UL	60	35	7.0	300/250	3.75kV	600/800/----	1.65	1.32	1.09	.96
782—	MCA230	B	DIP-6	UL	60	30	7.0	10/35	5.3kV	100/----/----	.69	.55	.45	.40
782—	MCA231	B	DIP-6	UL	60	30	7.0	10/35	5.3kV	200/----/----	.69	.55	.45	.40
782—	MCA255	B	DIP-6	UL	60	30	7.0	10/35	5.3kV	100/----/----	.69	.55	.45	.40
							BVCBO (V)							
782—	ILQ66-4	F	DIP-16	UL	60	60	60.0	200/200	5.3kV	500/----/----	3.32	2.65	2.19	1.92

TRIAC DRIVER OUTPUT

RoHS Compliant
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Package	Safety Standard	dv/dt V/μS	VDRM (V)(Min.)	IF (mA)	Peak On-State Voltage (VRMS)	Isolation Voltage (VRMS)	Emitter Diode Trigger Current (mA/Typ./Max.) (%)	Price Each 1	100	500	1000
78—	K3010P	G	DIP-6	UL/VDE	10	250	80.0	3.0	3.75kV	8.0/15.0	.53	.42	.35	.31
78—	K3011P	G	DIP-6	UL/VDE	10	250	80.0	3.0	3.75kV	5.0/10.0	.55	.44	.36	.32
78—	K3012P	G	DIP-6	UL/VDE	10	250	80.0	3.0	3.75kV	2.0/5.0	.56	.45	.37	.33
78—	K3020P	G	DIP-6	UL/VDE	10	400	80.0	3.0	3.75kV	15.0/30.0	.53	.42	.35	.31
78—	K3021P	G	DIP-6	UL/VDE	10	400	80.0	3.0	3.75kV	8.0/15.0	.55	.44	.36	.32
78—	K3022P	G	DIP-6	UL/VDE	10	400	80.0	3.0	3.75kV	5.0/10.0	.56	.45	.37	.33
78—	K3023P	G	DIP-6	UL/VDE	10	400	80.0	3.0	3.75kV	2.0/5.0	.58	.47	.38	.34

PHOTO TRIAC OUTPUT (ZERO CROSSING)

RoHS Compliant
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Package	Safety Standard	dv/dt V/μS	VDRM (V)(Max.)	IF (mA)	Reverse Voltage (Max.)(V)	Isolation Voltage (VRMS)	Trigger Current (mA/Typ./Max.) (%)	Price Each 1	100	500	1000
782—	IL410	H	DIP-6	UL/BSI/CSA	10000	600	60.0	6.0	5.3kV	-----/2.0	2.93	2.35	1.94	1.70
782—	IL420	I	DIP-6	UL/BSI/CSA	10000	600	60.0	6.0	5.3kV	1.0/2.0	2.93	2.35	1.94	1.70
782—	IL4208	I	DIP-6	UL/BSI/CSA	10000	800	60.0	6.0	5.3kV	1.0/2.0	3.19	2.55	2.10	1.85
782—	IL4218	I	DIP-6	UL/BSI/CSA	10000	800	60.0	6.0	5.3kV	0.7/1.3	4.03	3.22	2.66	2.34

HIGH SPEED PHOTO TRANSISTOR OUTPUT

RoHS Compliant
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	Max. Supply Volt. (V)	Data Rate Typ (bit/s)	Delay Time tPHL/tPLH (Typ.)(μS)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each 1	100	500	1000
782—	6N135	J	DIP-8	UL/CSA	25	15	1.0M	0.3/0.3	5.3kV	7.0/16/----	.92	.73	.61	.53
782—	6N136	J	DIP-8	UL/CSA	25	15	1.0M	0.2/0.2	5.3kV	19/35/----	.94	.76	.62	.55
782—	SFH6136	J	DIP-8	UL/CSA	25	30	1.0M	0.3/0.3	5.3kV	19/35/----	.94	.76	.62	.55
◆ 782—	SFH6316T	J	SOIC-8	UL/CSA	25	30	1.0M	0.25/0.50	4.0kV	19/35/50	1.33	1.06	.88	.77
◆ 782—	SFH6343T	K	SOIC-8	UL/CSA	25	30	1.0M	0.25/0.50	4.0kV	15/36/----	1.48	1.18	.98	.86
782—	SFH6345	K	DIP-8	UL	25	30	1.0M	0.3/0.3	5.3kV	19/30/----	1.40	1.12	.93	.81
782—	SFH636	L	DIP-6	UL	25	30	1.0M	0.3/0.3	5.3kV	19/30/----	2.17	1.73	1.43	1.26
782—	SFH6700	M	DIP-8	UL	10	15	5.0M	0.115/0.125	5.3kV	----/----/----	1.43	1.14	.94	.83
◆ 782—	SFH6720T	M	SOIC-8	UL	19	15	5.0M	0.125/0.125	3.0kV	----/----/----	1.66	1.33	1.09	.96
782—	6N137	N	DIP-8	UL	20	7.0	10.0M	0.05/0.048	5.3kV	----/----/----	1.28	1.02	.84	.74

LOW INPUT CURRENT, HIGH SPEED PHOTO DARLINGTON OUTPUT

RoHS Compliant
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	Max. Supply Volt. (V)	Input Current (mA)	Delay Time tPHL/tPLH (μS)	Isolation Voltage (VRMS)	Current Transfer Ratio (Min./Typ./Max.) (%)	Price Each 1	100	500	1000
782—	6N138	O	DIP-8	UL	25	7	0.5	2.0/2.0	5.3kV	300/1600/----	1.02	.82	.67	.59
782—	6N139	O	DIP-8	UL	25	18	0.5	6.0/4.0	5.3kV	400/1600/----	1.12	.90	.74	.65

LINEAR OPTOCOUPLERS

RoHS Compliant
For quantities of 2000 and up, call for quote.

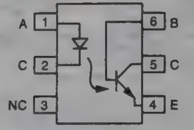
MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Package	Safety Standard	IF (mA)	Input Power Dissipation	Frequency Response (kHz)	Transfer Gain Linearity (ΔK3)(%)	Isolation Voltage (VRMS)	Input-Ouput Capacitance @ 1.0 MHz (pF)	Price Each 1	100	500	1000
782—	IL300	P	DIP-8	UL	60	160mW	200	0.557 to 1.618	5.3kV	1	3.95	3.16	2.61	2.29
782—	IL300-DEFG	P	DIP-8	UL	60	160mW	200	0.765 to 1.181	5.3kV	1	4.08	3.27	2.69	2.37
782—	IL300-E	P	DIP-8	UL	60	160mW	200	0.851 to 0.955	5.3kV	1	10.84	8.67	7.16	6.29
782—	IL300-EF	P	DIP-8	UL	60	160mW	200	0.851 to 1.061	5.3kV	1	6.33	5.06	4.18	3.67
782—	IL300-F	P	DIP-8	UL	60	160mW	200	0.945 to 1.061	5.3kV	1	10.84	8.67	7.16	6.29
◆ 782—	IL388	Q	SOIC-8	----	30	150mW	1000	0.690 to 1.311	2.13kV	1	4.39	3.51	2.90	2.54

VISHAY Optocouplers

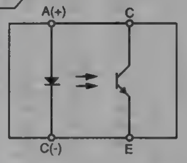
RoHS Compliant This page of product is compliant.

◆Surface Mount Devices

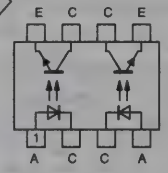
A



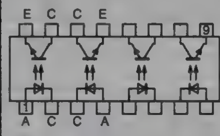
B



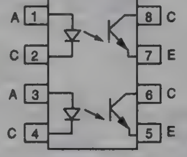
C



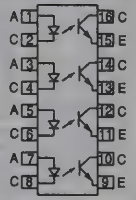
D



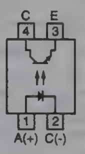
E



F



G



H

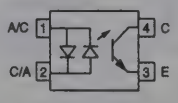


PHOTO TRANSISTOR OUTPUT

Safety Standards:

- UL = UL Recognized (UL File No: E76222)
- UL/VDE = UL Recognized (E76222) & VDE Recognized
- UL/BSI/VDE = UL Recognized (E76222), BSI & VDE Recognized

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	VCEO (max) (V)	VEBO (max) (V)	Rise and Fall Times Typ. (µs)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
Mfr.	Mfr. Part Number									(Min./Typ./Max.) (%)	1	100	500	1000
78	4N25	A	DIP-6	UL	60	70	7.0	2.0/2.0	5.3kV	20/50/----	.30	.24	.20	.17
78	4N26	A	DIP-6	UL	60	70	7.0	2.0/2.0	5.3kV	20/50/----	.30	.24	.20	.17
78	4N27	A	DIP-6	UL	60	70	7.0	2.0/2.0	5.3kV	10/30/----	.30	.24	.20	.17
78	4N28	A	DIP-6	UL	60	70	7.0	2.0/2.0	5.3kV	10/30/----	.30	.24	.20	.17
78	4N35	A	DIP-6	UL	60	70	7.0	10/10	5.3kV	40/50/----	.30	.24	.20	.17
78	4N36	A	DIP-6	UL	60	70	7.0	10/10	5.3kV	40/50/----	.30	.24	.20	.17
78	4N37	A	DIP-6	UL	60	70	7.0	10/10	5.3kV	40/50/----	.30	.24	.20	.17
782	4N38	A	DIP-6	UL	60	70	7.0	10/10	5.3kV	----/30/----	.31	.24	.20	.18
782	4N38A	A	DIP-6	UL	60	70	7.0	10/10	5.3kV	----/30/----	.38	.30	.25	.22
782	H11A1	A	DIP-6	UL/BSI/CSA	60	70	7.0	3.0/3.0	5.3kV	50/----/----	.46	.37	.30	.27
782	H11A2	A	DIP-6	UL/BSI/CSA	60	70	7.0	3.0/3.0	5.3kV	20/----/----	.46	.37	.30	.27
782	H11A3	A	DIP-6	UL/BSI/CSA	60	70	7.0	3.0/3.0	5.3kV	20/----/----	.46	.37	.30	.27
782	H11A4	A	DIP-6	UL/BSI/CSA	60	70	7.0	3.0/3.0	5.3kV	10/----/----	.46	.37	.30	.27
782	H11A5	A	DIP-6	UL/BSI/CSA	60	70	7.0	3.0/3.0	5.3kV	30/----/----	.46	.37	.30	.27

RoHS Compliant

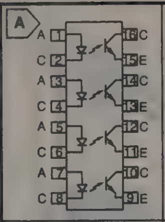
For quantities of 2000 and up, call for quote.

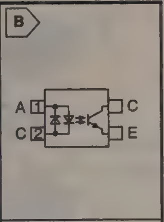
MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	VCEO (max) (V)	VECO (max) (V)	Rise and Fall Times Typ. (µs)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
Mfr.	Mfr. Part Number									(Min./Typ./Max.) (%)	1	100	500	1000
782	CQY80N	A	DIP-6	UL/BSI/VDE	60	32	7.0	7.0/6.7	3.75kV	50/90/----	.32	.26	.21	.19
782	CQY80NG	A	DIP-6	UL/BSI/VDE	60	32	7.0	7.0/6.7	3.75kV	50/90/----	.32	.26	.21	.19
78	CNY64	B	4-Pin	UL/VDE	75	32	7.0	2.4/2.7	8.2kV	50/----/300	1.69	1.35	1.12	.98
78	CNY65	B	4-Pin	UL/VDE	75	32	7.0	2.4/2.7	8.2kV	50/----/300	1.69	1.35	1.12	.98
782	CNY65A	B	4-Pin	UL/VDE	75	32	7.0	2.4/2.7	8.2kV	63/---/125	1.78	1.43	1.18	1.03
782	CNY65B	B	4-Pin	UL/VDE	75	32	7.0	2.4/2.7	8.2kV	100/----/200	1.84	1.47	1.21	1.07
78	CNY66	B	4-Pin	UL/VDE	75	32	7.0	2.4/2.7	8.2kV	50/----/300	2.82	2.25	1.86	1.63
782	CNY74-2H	C	DIP-8	UL	60	70	7.0	3.0/4.7	5.0kV	60/120/----	.64	.51	.42	.37
782	CNY74-4H	D	DIP-16	UL	60	70	7.0	3.0/4.7	5.0kV	60/120/----	1.28	1.02	.84	.74
782	CNY75B	A	DIP-6	UL/BSI/VDE	60	90	7.0	----/----	3.75kV	100/----/200	.32	.26	.21	.19
782	ILD621GB	E	DIP-8	UL/BSI	60	----	70.0	2.0/2.0	5.3kV	100/200/600	1.28	1.02	.84	.74
782	ILQ621	F	DIP-16	UL/BSI	60	----	70.0	2.0/2.0	5.3kV	50/80/600	2.42	1.94	1.60	1.41
782	ILQ621GB	F	DIP-16	UL/BSI	60	----	70.0	2.0/2.0	5.3kV	100/200/600	2.55	2.04	1.68	1.48
782	K817P	G	DIP-4	UL/CSA	60	70	7.0	3.0/4.7	5.0kV	50/----/600	.24	.19	.16	.14
782	K847PH	F	DIP-16	UL/CSA	60	70	7.0	3.0/4.7	5.0kV	50/----/600	1.02	.82	.67	.59
782	MCT6H	C	DIP-8	UL	60	70	7.0	3.0/4.7	5.0kV	60/120/----	.84	.67	.56	.49
◆782	SFH6106-3	G	SMD-4	UL/BSI/CSA	60	70	7.0	2.0/2.0	5.3kV	100/----/200	.64	.51	.42	.37
782	SFH610A-2	G	DIP-4	UL/BSI/CSA	60	70	7.0	2.0/2.0	5.3kV	63/----/125	.64	.51	.42	.37
782	SFH610A-3	G	DIP-4	UL/BSI/CSA	60	70	7.0	2.0/2.0	5.3kV	100/----/200	.64	.51	.42	.37
782	SFH610A-4	G	DIP-4	UL/BSI/CSA	60	70	7.0	2.0/2.0	5.3kV	160/----/320	.64	.51	.42	.37
◆78	SFH6156-2T	G	SMD-4	UL	60	70	7.0	2.0/2.0	5.3kV	63/----/125	.48	.39	.32	.28
◆782	SFH6156-3T	G	SMD-4	UL	60	70	7.0	2.0/2.0	5.3kV	100/----/200	.48	.39	.32	.28
◆782	SFH6156-4T	G	SMD-4	UL	60	70	7.0	2.0/2.0	5.3kV	160/----/320	.48	.39	.32	.28
782	SFH615A-2	G	DIP-4	UL	60	70	7.0	2.0/2.0	5.3kV	63/----/125	.43	.35	.29	.25
782	SFH615A-3	G	DIP-4	UL	60	70	7.0	2.0/2.0	5.3kV	100/----/200	.43	.35	.29	.25
782	SFH615A-4	G	DIP-4	UL	60	70	7.0	2.0/2.0	5.3kV	160/----/320	.43	.35	.29	.25
◆782	SFH6186-2T	G	SMD-4	UL/CSA	60	55	7.0	3.5/5.0	5.3kV	63/----/125	.66	.53	.44	.38
◆782	SFH6186-3T	G	SMD-4	UL/CSA	60	55	7.0	3.5/5.0	5.3kV	100/----/200	.66	.53	.44	.38
◆782	SFH6186-4T	G	SMD-4	UL/CSA	60	55	7.0	3.5/5.0	5.3kV	160/----/320	.66	.53	.44	.38
◆782	SFH6186-5T	G	SMD-4	UL/CSA	60	55	7.0	3.5/5.0	5.3kV	250/----/500	.66	.53	.44	.38
782	SFH618A-2	G	DIP-4	UL/CSA	60	55	7.0	3.5/5.0	5.3kV	63/----/125	.61	.49	.40	.36
782	SFH618A-3	G	DIP-4	UL/CSA	60	55	7.0	3.5/5.0	5.3kV	100/----/200	.61	.49	.40	.36
782	SFH618A-4	G	DIP-4	UL/CSA	60	55	7.0	3.5/5.0	5.3kV	160/----/320	.61	.49	.40	.36
782	SFH618A-5	G	DIP-4	UL/CSA	60	55	7.0	3.5/5.0	5.3kV	250/----/500	.61	.49	.40	.36
◆782	SFH6206-2	H	SMD-4	UL/BSI/CSA	60	70	7.0	2.0/2.0	5.3kV	63/----/200	.51	.41	.34	.30
782	SFH620A-2	H	DIP-4	UL/BSI/CSA	60	70	7.0	2.0/2.0	5.3kV	63/----/200	.51	.41	.34	.30
782	SFH620A-3	H	DIP-4	UL/BSI/CSA	60	70	7.0	2.0/2.0	5.3kV	100/----/320	.51	.41	.34	.30
◆782	SFH6286-3T	H	SMD-4	UL	50	55	7.0	3.5/5.0	5.3kV	100/----/320	.82	.65	.54	.47
◆782	SFH6286-4T	H	SMD-4	UL	50	55	7.0	3.5/5.0	5.3kV	160/----/500	.82	.65	.54	.47
782	SFH628A-3	H	DIP-4	UL	50	55	7.0	3.5/5.0	5.3kV	100/----/320	.77	.61	.51	.44
782	SFH628A-4	H	DIP-4	UL	50	55	7.0	3.5/5.0	5.3kV	160/----/500	.77	.61	.51	.44
78	TCDT1120	C	DIP-6	UL/BSI/VDE	60	90	7.0	3.0/3.7	3.75kV	10/----/----	.33	.27	.22	.19
78	TCDT1122	C	DIP-6	UL/BSI/VDE	60	90	7.0	3.0/3.7	3.75kV	15/----/----	.35	.28	.23	.20
78	TCDT1123	C	DIP-6	UL/BSI/VDE	60	90	7.0	4.2/4.7	3.75kV	30/----/----	.33	.27	.22	.19
78	TCDT1124	C	DIP-6	UL/BSI/VDE	60	90	7.0	4.0/4.7	3.75kV	60/----/----	.35	.28	.23	.20
782	TCET1100	D	DIP-4	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	50/----/600	.28	.23	.19	.16
782	TCET1101	D	DIP-4	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	40/----/80	.27	.22	.18	.16
782	TCET1102	D	DIP-4	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	63/----/125	.27	.22	.18	.16
782	TCET1103	D	DIP-4	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	100/----/200	.27	.22	.18	.16
782	TCET1104	D	DIP-4	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	160/----/320	.28	.23	.19	.17
782	TCET1105	D	DIP-4	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	50/----/150	.27	.22	.18	.16
782	TCET1106	D	DIP-4	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	100/----/300	.27	.22	.18	.16
782	TCET1107	D	DIP-4	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	80/----/160	.27	.22	.18	.16
◆782	TCLT1000	D	SOP-4L	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	50/----/600	.39	.31	.26	.23
◆782	TCLT1002	D	SOP-4L	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	63/----/125	.39	.31	.26	.23
◆782	TCLT1003	D	SOP-4L	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	100/----/200	.39	.31	.26	.23
◆782	TCLT1005	D	SOP-4L	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	50/----/150	.39	.31	.26	.23
◆782	TCLT1006	D	SOP-4L	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	100/----/300	.39	.31	.26	.23
◆782	TCLT1007	D	SOP-4L	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	80/----/160	.39	.31	.26	.23
◆782	TCLT1008	D	SOP-4L	UL/BSI/CSA/VDE	60	70	7.0	3.0/4.7	5.0kV	130/----/260	.39	.31	.26	.23
◆782	TCMT1100	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	50/----/600	.38	.30	.25	.22
◆782	TCMT1102	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	53/----/125	.38	.30	.25	.22
◆782	TCMT1103	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	100/---/200	.38	.30	.25	.22
◆782	TCMT1104	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	160/----/320	.38	.30	.25	.22
◆782	TCMT1105	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	50/----/150	.38	.30	.25	.22
◆782	TCMT1106	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	100/----/300	.38	.30	.25	.22
◆782	TCMT1107	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	80/----/160	.38	.30	.25	.22
◆782	TCMT1108	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	130/----/360	.38	.30	.25	.22
◆782	TCMT1109	D	SO-4L	UL	60	70	7.0	3.0/4.7	3.75kV	200/----/400	.38	.30	.25	.22
◆78	SFH690AT	G	SOP-4	UL/BSI/CSA	50	70	7.0	3.0/4.0	3.75kV	50/----/150	.43	.35	.29	.25
◆782	SFH690BT	G	SOP-4	UL/BSI/CSA	50	70	7.0	3.0/4.0	3.75kV	100/----/300	.43	.35	.29	.25

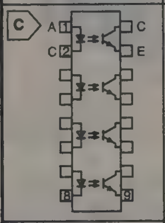
VISHAY Optocouplers

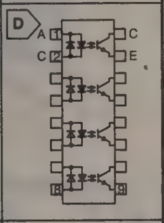
Products may be RoHS compliant.
Check mouser.com for RoHS.status.

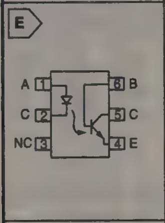
◆Surface Mount Devices

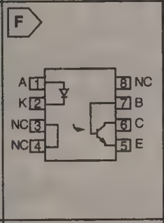
A


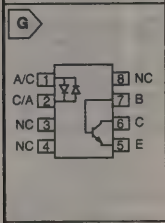
B


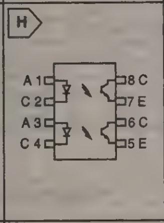
C


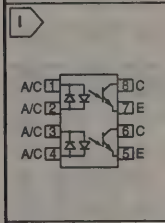
D


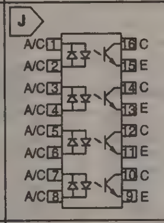
E


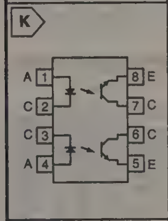
F


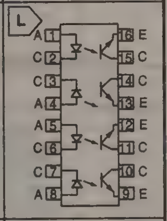
G


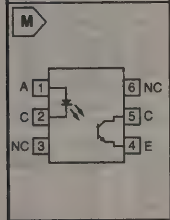
H


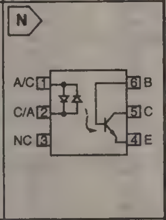
I


J


K


L


M


N


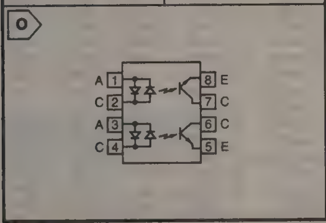
O


PHOTO TRANSISTOR OUTPUT

Safety Standards:
- UL = UL Recognized (UL File No: E76222)
- UL/VDE = UL Recognized (E76222) & VDE Recognized
- UL/BSI/VDE = UL Recognized (E76222), BSI & VDE Recognized

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	VCEO (max) (V)	VECO (max) (V)	Rise and Fall Times Typ. (µs)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
Mfr.	Mfr. Part Number									(Min./Typ./Max.) (%)	1	100	500	1000
◆ 782	SFH6916	A	SOP-16	UL	50	70	7.0	15/0.5	3.75kV	50/300/----	4.13	3.31	2.73	2.40
◆ 78	TCMT1600	B	SOP-4	UL	60	70	7.0	3.0/4.7	3.75kV	80/----/300	.41	.33	.27	.24
◆ 782	TCMT4100	C	SOP-16	UL	60	70	7.0	3.0/4.7	3.75kV	50/----/600	1.52	1.21	1.00	.88
◆ 782	TCMT4600	D	SOP-16	UL	60	70	7.0	3.0/4.7	3.75kV	80/----/300	1.65	1.32	1.09	.96

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	BVCEO (max) (V)	BVEBO (max) (V)	Rise and Fall Times Typ. (µs)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
Mfr.	Mfr. Part Number									(Min./Typ./Max.) (%)	1	100	500	1000
782	CNY17-1	E	DIP-6	UL/BSI	60	70	7.0	2.0/2.0	5.3kV	40/80/----	.33	.27	.22	.19
782	CNY17F-1	E	DIP-6	UL/BSI	60	70	7.0	2.0/2.0	5.3kV	13/30/----	.33	.27	.22	.19
782	CNY17-2	E	DIP-6	UL/BSI	60	70	7.0	2.0/2.0	5.3kV	63/125/----	.33	.27	.22	.19
782	CNY17F-2	E	DIP-6	UL/BSI	60	70	7.0	2.0/2.0	5.3kV	22/45/----	.33	.27	.22	.19
782	CNY17-3	E	DIP-6	UL/BSI	60	70	7.0	2.0/2.0	5.3kV	100/200/----	.33	.27	.22	.19
782	CNY17F-3	E	DIP-6	UL/BSI	60	70	7.0	2.0/2.0	5.3kV	34/70/----	.33	.27	.22	.19
782	CNY17-4	E	DIP-6	UL/BSI	60	70	7.0	2.0/2.0	5.3kV	160/320/----	.33	.27	.22	.19
782	CNY17F-4	E	DIP-6	UL/BSI	60	70	7.0	2.0/2.0	5.3kV	160/320/----	.33	.27	.22	.19
782	IL2	E	DIP-6	UL	60	70	7.0	2.6/2.2	5.3kV	100/200/500	.66	.53	.44	.38

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	BVCEO (max) (V)	BVECO (max) (V)	Rise and Fall Times Typ. (µs)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
Mfr.	Mfr. Part Number									(Min./Typ./Max.) (%)	1	100	500	1000
◆ 782	IL205AT	F	SOIC-8	UL	60	70	7.0	3.0/3.0	3.0kV	40/----/80	.59	.47	.39	.34
◆ 782	IL206AT	F	SOIC-8	UL	60	70	7.0	3.0/3.0	3.0kV	63/----/125	.59	.47	.39	.34
◆ 782	IL208AT	F	SOIC-8	UL	60	70	7.0	3.0/3.0	3.0kV	100/----/320	.59	.47	.39	.34
◆ 782	IL211AT	F	SOIC-8	UL	60	30	7.0	3.0/3.0	3.0kV	20/50/----	.59	.47	.39	.34
◆ 782	IL217AT	F	SOIC-8	UL	60	30	7.0	3.0/3.0	3.0kV	100/130/----	.64	.51	.42	.37
◆ 782	IL256AT	G	SOIC-8	UL/CSA	60	30	5.0	----/----	3.0kV	20/----/----	.77	.61	.51	.44
◆ 782	ILD205T	H	SOIC-8	UL	10	70	7.0	5.0/4.0	3.0kV	40/----/80	.84	.67	.56	.49
◆ 782	ILD206T	H	SOIC-8	UL	10	70	7.0	5.0/4.0	3.0kV	63/----/125	.84	.67	.56	.49
◆ 782	ILD207T	H	SOIC-8	UL	10	70	7.0	5.0/4.0	3.0kV	100/----/200	.84	.67	.56	.49
◆ 782	ILD211T	H	SOIC-8	UL	10	70	7.0	5.0/4.0	3.0kV	20/----/----	.84	.67	.56	.49
◆ 782	ILD213T	H	SOIC-8	UL	10	70	7.0	5.0/4.0	3.0kV	100/----/----	.84	.67	.56	.49
◆ 782	ILD217T	H	SOIC-8	UL	10	70	7.0	5.0/4.0	3.0kV	100/120/----	.89	.71	.59	.52
◆ 782	ILD256T	I	SOIC-8	UL	30	70	7.0	----/----	3.0kV	20/----/----	1.17	.94	.77	.68
782	ILD615-2	H	DIP-8	UL/BSI/CSA	60	70	7.0	2.8/14	5.3kV	---/40/---	1.15	.92	.76	.67
782	ILD615-3	H	DIP-8	UL/BSI/CSA	60	70	7.0	2.8/14	5.3kV	----/60/----	1.15	.92	.76	.67
782	ILD615-4	H	DIP-8	UL/BSI/CSA	60	70	7.0	4.6/15	5.3kV	----/100/----	1.17	.94	.77	.68
782	ILQ615-1	A	DIP-16	UL/BSI/CSA	60	70	7.0	2.0/11	5.3kV	----/25/----	2.55	2.04	1.68	1.48
782	ILQ615-2	A	DIP-16	UL/BSI/CSA	60	70	7.0	2.8/14	5.3kV	---/40/---	2.42	1.94	1.60	1.41
782	ILQ615-3	A	DIP-16	UL/BSI/CSA	60	70	7.0	2.8/14	5.3kV	----/60/----	2.42	1.94	1.60	1.41
782	ILQ615-4	A	DIP-16	UL/BSI/CSA	60	70	7.0	4.6/15	5.3kV	----/100/----	2.55	2.04	1.68	1.48
782	ILD620	I	DIP-8	UL/BSI/CSA	60	70	----	20/2.0	5.3kV	50/80/600	1.66	1.33	1.09	.96
782	ILD620GB	I	DIP-8	UL/BSI/CSA	60	70	----	20/2.0	5.3kV	100/200/600	1.84	1.47	1.21	1.07
782	ILQ620	J	DIP-16	UL/BSI/CSA	60	70	----	20/2.0	5.3kV	50/80/600	3.06	2.45	2.02	1.78
782	ILQ620GB	J	DIP-16	UL/BSI/CSA	60	70	----	20/2.0	5.3kV	100/200/600	3.44	2.76	2.27	2.00
782	MOC8102	E	DIP-6	UL/BSI/CSA	60	30	7.0	2.0/2.0	5.3kV	73/---/117	.38	.31	.25	.22
782	MCT5210	E	DIP-6	UL/BSI/CSA	40	30	7.0	10/10	5.3kV	70/150/----	.94	.76	.62	.55
782	MCT5211	E	DIP-6	UL/BSI/CSA	40	30	7.0	20/20	5.3kV	150/300/----	.97	.78	.64	.56

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	VCEO (max) (V)	VECO (max) (V)	Rise and Fall Times Typ. (µs)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
Mfr.	Mfr. Part Number									(Min./Typ./Max.) (%)	1	100	500	1000
782	ILD2	K	DIP-8	UL/BSI/VDE	60	70	----	2.6/2.2	5.3kV	100/200/500	1.02	.82	.67	.59
782	ILQ1	L	DIP-16	UL/BSI/VDE	60	50	----	1.9/1.4	5.3kV	20/80/300	1.91	1.53	1.26	1.11
782	ILQ2	L	DIP-16	UL/BSI/VDE	60	70	----	2.6/2.2	5.3kV	100/200/500	1.99	1.59	1.31	1.15
78	TCDT1100	M	DIP-6	UL/VDE	60	32	7.0	11/7.0	3.75kV	40/----/----	.33	.27	.22	.19
78	TCDT1101	M	DIP-6	UL/VDE	60	32	7.0	11/7.0	3.75kV	40/----/80	.33	.27	.22	.19
78	TCDT1102	M	DIP-6	UL/VDE	60	32	7.0	11/7.0	3.75kV	63/----/125	.33	.27	.22	.19
78	TCDT1103	M	DIP-6	UL/VDE	60	32	7.0	11/7.0	3.75kV	100/----/200	.33	.27	.22	.19

HIGH VOLTAGE PHOTO TRANSISTOR OUTPUT

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	VCEO (max) (V)	VEBO (max) (V)	Rise and Fall Times Typ. (µs)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
Mfr.	Mfr. Part Number									(Min./Typ./Max.) (%)	1	100	500	1000
782	H11D1	E	DIP-6	UL	60	300	7.0	2.5/2.5	5.3kV	20/----/----	1.15	.92	.76	.67
782	H11D2	E	DIP-6	UL	60	300	7.0	2.5/2.5	5.3kV	20/----/----	1.15	.92	.76	.67
782	H11D3	E	DIP-6	UL	60	200	7.0	2.5/2.5	5.3kV	20/----/----	.94	.76	.62	.55

DUAL PHOTO TRANSISTOR OUTPUT

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Safety Standard	IF (mA)	BVCEO (max) (V)	BVECO (max) (V)	Rise and Fall Times Typ. (µs)	Isolation Voltage (VRMS)	Current Transfer Ratio	Price Each			
Mfr.	Mfr. Part Number									(Min./Typ./Max.) (%)	1	100	500	1000
782	MCT6	K	DIP-8	UL/CSA	60	30	7.0	3.0/3.0	5.3kV	20/50/----	.84	.67	.56	.49

BI-DIRECTIONAL INPUT PHOTO TRANSISTOR OUTPUT

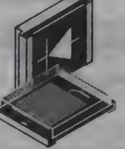
RoHS Compliant

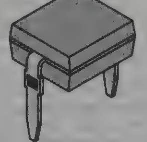
For quantities of 2000 and up, call for quote.

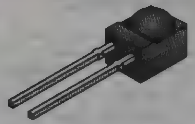
782	H11AA1	N	DIP-6	UL	60	30	7.0	----/----	5.3kV	20/----/----	.82	.65	.54	.47
782	IL250	N	DIP-6	UL/VDE	60	30	5.0	----/----	5.3kV	50/----/----	.94	.76	.62	.55
782	IL251	N	DIP-6	UL/VDE	60	30	5.0	----/----	5.3kV	20/----/----	1.02	.82	.67	.59
782	IL252	N	DIP-6	UL/VDE	60	30	5.0	----/----	5.3kV	100/----/----	1.07	.86	.71	.62
782	ILD250	O	DIP-8	UL/VDE	60	30	5.0	----/----	5.3kV	50/----/----	2.42	1.94	1.60	1.41
782	ILD251	O	DIP-8	UL/VDE	60	30	5.0	----/----	5.3kV	20/----/----	2.68	2.14	1.77	1.55
782	ILD252	O	DIP-8	UL/VDE	60	30	5.0	----/----	5.3kV	100/----/----	3.19	2.55	2.10	1.85

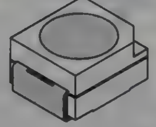
VISHAY Opto Components

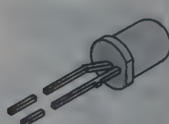
RoHS Compliant **This page of product is compliant.**

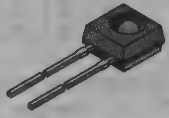
A


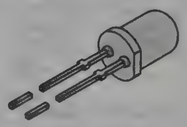
B


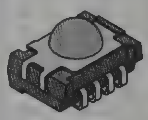
C


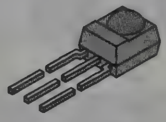
D


E


F


G


H


I


J

DETECTORS

Photo PIN Diodes

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Angle of Half Intensity (°)	Reverse Light Current				Peak Wavelength Sensitivity (nm)	Reverse Dark Current (typ)(nA)	Rise/Fall Times (ns)	Price Each			
Mfr. Mfr. Part No.			(min/typ) (uA)	@ Rev. Volt (V)	@Ee (mW/cm^2)	@ Wavelength (nm)				1	100	500	1000
Surface Mount													
782—TEMD5000	A	+/- 65	40/55	5.0	1.0	950	900	2.0	100/100	1.09	.87	.72	.63
Thru-Hole													
782—BPW34	B	+/- 65	40/50	5.0	1.0	950	900	2.0	100/100	.75	.60	.50	.44
782—BPV22NF	C	+/- 60	55/85	5.0	1.0	870	940	2.0	100/100	.69	.55	.46	.40

Photo Transistors

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Angle of Half Intensity (°)	Collector Dark Current		DC Current Gain	Peak Wavelength Sensitivity (nm)	Collector Emitter Voltage (max) (V)	Collector Light Current (typ) (mA)	Turn-On/ Turn-Off Times (us)	Price Each			
Mfr. Mfr. Part No.			(min/typ) (nA)	@ VCE (V)						1	100	500	1000
Surface Mount													
782—TEMT3700	D	+/- 60	1/200	20.0	-----	830	70	0.5	6/2	.54	.43	.36	.31
Thru-Hole													
782—BPV11F	E	+/- 15	1/50	10.0	450	930	70	9.0	6/5	.60	.48	.40	.35
782—TEKT5400S	F	+/- 37	1/100	20.0	-----	920	70	4.0	6/5	.58	.47	.38	.34

EMITTERS

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Angle of Half Intensity (°)	Radiant Intensity @ IF		Forward Voltage @ IF		Peak Emission Wavelength (nm)	Reverse Current (uA)	Rise/Fall Times (ns)	Price Each			
Mfr. Mfr. Part No.			(min/typ) (mW/sr)	(mA)	(typ/max) (V)	(mA)				1	100	500	1000
Surface Mount													
782—TSMF3710	D	+/- 60	---/10	100	1.5/1.8	100	870	10	30/30	.39	.31	.26	.23
782—TSML3710	D	+/- 60	4/8	100	1.35/1.7	100	950	100	800/800	.31	.25	.21	.18
Thru-Hole													
782—TSAL6100	G	+/- 10	40/60	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSAL6200	G	+/- 17	40/60	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSAL6400	G	+/- 25	25/40	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSAL7200	G	+/- 17	40/60	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSAL7400	G	+/- 25	25/40	100	1.35/1.6	100	940	10	800/800	.21	.17	.14	.12
782—TSKS5400S	F	+/- 30	2.0/---	50	1.3/1.7	100	950	----	400/450	.54	.43	.35	.31

RECEIVERS

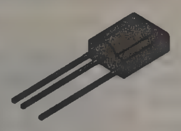
RoHS Compliant

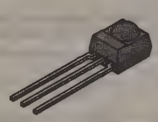
For quantities of 2000 and up, call for quote.

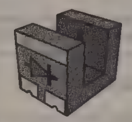
MOUSER STOCK NO.	Fig.	Supply Voltage (V)	Supply Current (Typ.)(mA)	Carrier Frequency (kHz)	Trans. Dist. (m)	Cont. Data Trans.	Power Consumption (mW)	Directivity (°)	Burst Length Cycles/Burst	Price Each			
Mfr. Mfr. Part No.										1	100	500	1000
Surface Mount													
782—TSOP36136	H	2.7 to 5.5	1.2	36.0	35.0	2200 bits/sec	30.0	+/- 45	=>6	1.50	1.20	.99	.87
782—TSOP36138	H	2.7 to 5.5	1.2	38.0	35.0	2200 bits/sec	30.0	+/- 45	=>6	1.50	1.20	.99	.87
782—TSOP36156	H	2.7 to 5.5	1.2	56.0	35.0	2200 bits/sec	30.0	+/- 45	=>6	1.50	1.20	.99	.87
782—TSOP36236	H	2.7 to 5.5	1.2	36.0	35.0	800 bits/sec	30.0	+/- 45	=>6	1.43	1.14	.94	.83
782—TSOP36238	H	2.7 to 5.5	1.2	38.0	35.0	800 bits/sec	30.0	+/- 45	=>6	1.43	1.14	.94	.83
782—TSOP36256	H	2.7 to 5.5	1.2	56.0	35.0	800 bits/sec	30.0	+/- 45	=>6	1.43	1.14	.94	.83
782—TSOP5700	H	2.7 to 5.5	2.0	455.0	50.0	20k bits/sec	50.0	+/- 50	=>22 to 500	2.78	2.22	1.83	1.61
782—TSOP6136	H	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	+/- 50	=>6	1.41	1.13	.93	.82
782—TSOP6138	H	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	+/- 50	=>6	1.41	1.13	.93	.82
782—TSOP6156	H	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	+/- 50	=>6	1.41	1.13	.93	.82
782—TSOP6236	H	4.5 to 5.5	1.1	36.0	35.0	800 bits/sec	50.0	+/- 50	=>10	1.35	1.08	.89	.78
782—TSOP6238	H	4.5 to 5.5	1.1	38.0	35.0	800 bits/sec	50.0	+/- 50	=>10	1.35	1.08	.89	.78
782—TSOP6256	H	4.5 to 5.5	1.1	56.0	35.0	800 bits/sec	50.0	+/- 50	=>10	1.35	1.08	.89	.78
Thru-Hole													
782—TSOP32136	I	2.7 to 5.5	1.2	36.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.82	.72
782—TSOP32138	I	2.7 to 5.5	1.2	38.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.82	.72
782—TSOP32156	I	2.7 to 5.5	1.2	56.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.82	.72
782—TSOP34136	I	2.7 to 5.5	1.2	36.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.82	.72
782—TSOP34138	I	2.7 to 5.5	1.2	38.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.82	.72
782—TSOP34156	I	2.7 to 5.5	1.2	56.0	35.0	4000 bits/sec	30.0	+/-45	=>6	1.25	1.00	.82	.72
782—TSOP32236	I	2.7 to 5.5	1.2	36.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.20	.96	.79	.70
782—TSOP32238	I	2.7 to 5.5	1.2	38.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.20	.96	.79	.70
782—TSOP32256	I	2.7 to 5.5	1.2	56.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.20	.96	.79	.70
782—TSOP34836	I	2.7 to 5.5	1.2	36.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.20	.96	.79	.70
782—TSOP34838	I	2.7 to 5.5	1.2	38.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.20	.96	.79	.70
782—TSOP34856	I	2.7 to 5.5	1.2	56.0	35.0	800 bits/sec	30.0	+/-45	=>10	1.20	.96	.79	.70
782—TSOP7000	I	2.7 to 5.5	2.0	455.0	20.0	20k bits/sec	30.0	+/-45	=>22 to 500	2.60	2.08	1.72	1.51
782—TSOP1100	J	4.5 to 5.5	1.2	33.0 to 57	35.0	4000 bits/sec	50.0	+/- 45	=>6	1.63	1.31	1.08	.95
782—TSOP1136	J	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	+/- 45	=>6	1.15	.92	.76	.67
782—TSOP1138	J	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	+/- 45	=>6	1.16	.93	.77	.67

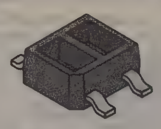
VISHAY Opto Components

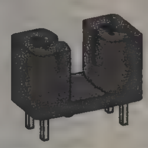
RoHS Compliant **This page of product is compliant.**

A


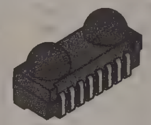
B


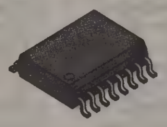
C


D


E


F

G


H


RECEIVERS (CONT.)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Supply Voltage (V)	Supply Current (Typ.)(mA)	Carrier Frequency (kHz)	Trans. Dist. (m)	Cont. Data Trans.	Power Consumption (mW)	Directivity (°)	Burst Length Cycles/Burst	Price Each			
Mfr. Mfr. Part No.										1	100	500	1000
Thru-Hole													
782—TSOP1156	A	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	+/- 45	=>6	1.16	.93	.77	.67
782—TSOP2136	A	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.16	.93	.77	.67
782—TSOP2138	A	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.16	.93	.77	.67
782—TSOP2156	A	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.16	.93	.77	.67
782—TSOP4136	A	4.5 to 5.5	1.2	36.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.16	.93	.77	.67
782—TSOP4138	A	4.5 to 5.5	1.2	38.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.16	.93	.77	.67
782—TSOP4156	A	4.5 to 5.5	1.2	56.0	35.0	4000 bits/sec	50.0	+/-45	=>6	1.16	.93	.77	.67
782—TSOP1236	A	4.5 to 5.5	0.6	36.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64
782—TSOP2236	B	4.5 to 5.5	1.2	36.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64
782—TSOP2238	B	4.5 to 5.5	1.2	38.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64
782—TSOP2256	B	4.5 to 5.5	1.2	56.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64
782—TSOP4830	B	4.5 to 5.5	1.1	30.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64
782—TSOP4836	B	4.5 to 5.5	1.1	36.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64
782—TSOP4838	B	4.5 to 5.5	1.1	38.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64
782—TSOP4840	B	4.5 to 5.5	1.1	40.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64
782—TSOP4856	B	4.5 to 5.5	1.1	56.0	35.0	800 bits/sec	50.0	+/-45	=>10	1.10	.88	.73	.64

SENSORS

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	VCEO (min) (V)	@ IC (mA)	Forward Voltage (typ.)(V)	Reverse Current (max.)(uA)	Resolution (mm)	Aperture (mm)	Dist./Gap (mm)	Rise/Fall Times (typ.)(us)	Price Each			
Mfr. Mfr. Part No.										1	100	500	1000
Surface Mount													
782—TCPT1200	C	70	1	1.2	10.0	0.24	0.3	2.0	20/30	1.31	1.05	.86	.76
782—TCNT1000	D	30	1	1.2	10.0	-----	-----	1.0	20/20	1.34	1.07	.88	.78
Thru-Hole													
782—TCST1230	E	70	1	1.25	----	0.4	0.5	3.0	15/10	.74	.59	.49	.43
782—TCRT5000	F	70	1	1.25	----	----	----	12.0	----	.76	.60	.50	.44

IrDA -TRANSCEIVERS

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Operating Voltage (V)	Input Currents (mA)	Data Rate (min/max) (kbits/s)	Transmit Distance (m)	Logic Voltage (V)	Output Sink Current (mA)	Power Dissipation (max)(mW)	Price Each			
Mfr. Mfr. Part No.										1	100	500	1000
Surface Mount													
782—TFDU4101	G	Serial	2.4 to 5.5	10	2.4/115.2	0 to 1.0	Vlog=VCC	25.0	250.0	4.72	3.77	3.11	2.74
782—TFDU4300	G	Serial	2.4 to 5.5	10	2.4/115.2	0 to 0.7	Vlog=> 1.5V	25.0	250.0	2.42	1.94	1.60	1.41
782—TFDU5103	G	Fast	2.7 to 5.5	10	576/1152	0 to 1.0	Vlog=VCC	25.0	500.0	3.47	2.77	2.29	2.01
782—TFDU5307	G	Fast	2.7 to 5.5	10	576/1152	0 to 0.7	Vlog=> 1.5V	25.0	500.0	3.83	3.06	2.52	2.22
782—TFDU6102	G	Fast	2.7 to 5.5	10	----/4000	0 to 1.0	Vlog=VCC	25.0	500.0	3.83	3.06	2.52	2.22
782—TFBS6614	G	Fast	2.7 to 5.5	10	----/4000	0 to 1.0	Vlog=> 1.5V	25.0	500.0	3.95	3.16	2.61	2.29

IrDA -ENCODER/DECODER

The TOIM4232 Endec IC provides proper pulse shaping for the SIR IrDA front end infrared transceivers as of the 4000-series. For transmitting the TOIM4232 shortens the RS232 output signal to IrDA compatible electrical pulses to drive the infrared transmitter. In the receive mode the TOIM4232 stretches the received infrared pulse to the proper bit width depending on the operating bit rate. The IrDA bit rate varies from 2.4 kbit/s to 115.2 kbit/s. The TOIM4232 is using a crystal clock 3.6864 MHz for its pulse stretching and shortening. The clock can be generated by the internal oscillator. An external oscillator can be used too. The TOIM4232 is programmable to operate from 1200 bit/s to 115.2 kbit/s by the communication software through the RS232 port. The output pulses are software programmable as either 1,627 us or 3/16 of bit time. The typical power consumption is very low with about 10 mW in operational state and in the order of a few microwatts in standby mode.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Operating Voltage (V)	Input Voltage (High/Low) (Typ) (V)	Output Voltage High/Low (Min/Max) (V)	Data Rate (Min/Max) (kbits/s)	Consumption Current Standby (Max) (nA)	Consumption Current Dynamic (Typ) mA)	Price Each			
Mfr. Mfr. Part No.									1	100	500	1000
Surface Mount												
782—TOIM4232	H	Serial	2.7 to 3.6	1.7/1.1	2.0/0.4	2.4/115.2	1.0	2.0	5.74	4.59	3.79	3.33

ATMEL AVR Microcontrollers

RoHS Compliant **This page of product is compliant.**

AVR MICROCONTROLLERS

Atmel's AVR® microcontrollers have a RISC core running single cycle instructions and a well-defined I/O structure that limits the need for external components. Internal oscillators, timers, UART, SPI, pull-up resistors, pulse width modulation, ADC, analog comparator and watch-dog timers are some of the features you will find in AVR devices.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Flash	EEPROM	SRAM	Max. I/O Pins	Vcc	Frequency (Max.)	PWM (Chan.)	Price Each			
										1	10	25	100
556-ATTINY13-20PU	ATTINY13-20PU	PDIP	1KB	0.064KB	64 Bytes + 32 reg	6	1.8V-5.5V	20MHz	2	1.40	1.20	.88	.81
556-ATTINY13-20SSU	ATTINY13-20SSU	SOIC150	1KB	0.064KB	64 Bytes + 32 reg	6	1.8V-5.5V	20MHz	2	1.40	1.20	.88	.81
556-ATTINY13-20SU	ATTINY13-20SU	SO150	1KB	0.064KB	64 Bytes + 32 reg	6	1.8V-5.5V	20MHz	2	1.29	1.11	.81	.75
556-ATTINY13V10MU	ATTINY13V-10MU	MLF	1KB	0.064KB	64 Bytes + 32 reg	6	1.8V-5.5V	20MHz	2	1.40	1.20	.88	.81
556-ATTINY13V10PU	ATTINY13V-10PU	PDIP	1KB	0.064KB	64 Bytes + 32 reg	6	1.8V-5.5V	20MHz	2	1.40	1.20	.88	.81
556-ATTINY13V10SSU	ATTINY13V-10SSU	SOIC150	1KB	0.064KB	64 Bytes + 32 reg	6	1.8V-5.5V	20MHz	2	1.40	1.20	.88	.81
556-ATTINY13V10SU	ATTINY13V-10SU	SO150	1KB	0.064KB	64 Bytes + 32 reg	6	1.8V-5.5V	20MHz	2	1.29	1.11	.81	.75
556-ATTINY28L-4PU	ATTINY28L-4PU	PDIP	2KB	-	32 Bytes	11	1.8V-5.5V	4MHz	-	1.61	1.39	1.01	.94
556-ATTINY25-20PU	ATTINY25-20PU	PDIP	2KB	0.128KB	128 Bytes	6	1.8V-5.5V	20MHz	4	1.76	1.52	1.11	1.03
556-ATTINY25-20SU	ATTINY25-20SU	SO150	2KB	0.128KB	128 Bytes	6	1.8V-5.5V	20MHz	4	1.66	1.42	1.04	.96
556-ATTINY25V10PU	ATTINY25V-10PU	PDIP	2KB	0.128KB	128 Bytes	6	1.8V-5.5V	20MHz	4	1.76	1.52	1.11	1.03
556-ATTINY24-20MU	ATTINY24-20MU	MLF	2KB	0.128KB	128 Bytes	12	1.8V-5.5V	20MHz	4	1.91	1.65	1.20	1.11
556-ATTINY24-20PU	ATTINY24-20PU	PDIP	2KB	0.128KB	128 Bytes	12	1.8V-5.5V	20MHz	4	1.91	1.65	1.20	1.11
556-ATTINY24-20SSU	ATTINY24-20SSU	SOIC150	2KB	0.128KB	128 Bytes	12	1.8V-5.5V	20MHz	4	1.91	1.65	1.20	1.11
556-ATTINY24V10PU	ATTINY24V-10PU	PDIP	2KB	0.128KB	128 Bytes	12	1.8V-5.5V	20MHz	4	1.91	1.65	1.20	1.11
556-ATTINY24V10SSU	ATTINY24V-10SSU	SOIC150	2KB	0.128KB	128 Bytes	12	1.8V-5.5V	20MHz	4	1.91	1.65	1.20	1.11
556-ATTINY26-16PU	ATTINY26-16PU	PDIP	2KB	0.125KB	128 Bytes	16	2.7V-5.5V	16MHz	2	2.47	2.13	1.55	1.44
556-ATTINY26-16SU	ATTINY26-16SU	SO150	2KB	0.125KB	128 Bytes	16	2.7V-5.5V	16MHz	2	2.37	2.04	1.49	1.38
556-ATTINY26L-8PU	ATTINY26L-8PU	PDIP	2KB	0.125KB	128 Bytes	16	2.7V-5.5V	16MHz	2	2.47	2.13	1.55	1.44
556-ATTINY26L-8SU	ATTINY26L-8SU	SO150	2KB	0.125KB	128 Bytes	16	2.7V-5.5V	16MHz	2	2.37	2.04	1.49	1.38
556-ATTINY261-20PU	ATTINY261-20PU	PDIP	2KB	0.128KB	128 Bytes	16	1.8V-5.5V	20MHz	2	2.13	1.83	1.57	1.41
556-ATTINY2313-20MU	ATTINY2313-20MU	MLF	2KB	0.128KB	128 Bytes	18	1.8V-5.5V	20MHz	4	2.26	1.94	1.42	1.31
556-ATTINY2313-20PU	ATTINY2313-20PU	PDIP	2KB	0.128KB	128 Bytes	18	1.8V-5.5V	20MHz	4	2.26	1.94	1.42	1.31
556-ATTINY2313-20SU	ATTINY2313-20SU	SO150	2KB	0.128KB	128 Bytes	18	1.8V-5.5V	20MHz	4	2.15	1.85	1.35	1.25
556-ATTINY2313V10MU	ATTINY2313V-10MU	MLF	2KB	0.128KB	128 Bytes	18	1.8V-5.5V	20MHz	4	2.26	1.94	1.42	1.31
556-ATTINY2313V10PU	ATTINY2313V-10PU	PDIP	2KB	0.128KB	128 Bytes	18	1.8V-5.5V	20MHz	4	2.26	1.94	1.42	1.31
556-ATTINY2313V10SU	ATTINY2313V-10SU	SO150	2KB	0.128KB	128 Bytes	18	1.8V-5.5V	20MHz	4	2.15	1.85	1.35	1.25
556-ATTINY45-20PU	ATTINY45-20PU	PDIP	4KB	0.256KB	256 Bytes	6	1.8V-5.5V	20MHz	4	2.13	1.83	1.34	1.24
556-ATTINY45-20SU	ATTINY45-20SU	SO150	4KB	0.256KB	256 Bytes	6	1.8V-5.5V	20MHz	4	2.02	1.74	1.27	1.18
556-ATTINY45V10PU	ATTINY45V-10PU	PDIP	4KB	0.256KB	256 Bytes	6	1.8V-5.5V	20MHz	4	2.13	1.83	1.34	1.24
556-ATTINY45V10SU	ATTINY45V-10SU	SO150	4KB	0.256KB	256 Bytes	6	1.8V-5.5V	20MHz	4	2.02	1.74	1.27	1.18
556-ATTINY44-20PU	ATTINY44-20PU	PDIP	4KB	0.256KB	256 Bytes	12	1.8V-5.5V	20MHz	4	2.15	1.85	1.59	1.42
556-ATTINY44-20SSU	ATTINY44-20SSU	SOIC150	4KB	0.256KB	256 Bytes	12	1.8V-5.5V	20MHz	4	2.15	1.85	1.59	1.42
556-ATTINY44V10MU	ATTINY44V-10MU	MLF	4KB	0.256KB	256 Bytes	12	1.8V-5.5V	20MHz	4	2.15	1.85	1.59	1.42
556-ATTINY44V10PU	ATTINY44V-10PU	PDIP	4KB	0.256KB	256 Bytes	12	1.8V-5.5V	20MHz	4	2.15	1.85	1.59	1.42
556-ATTINY44V10SSU	ATTINY44V-10SSU	SOIC150	4KB	0.256KB	256 Bytes	12	1.8V-5.5V	20MHz	4	2.15	1.85	1.59	1.42
556-ATTINY461-20PU	ATTINY461-20PU	PDIP	4KB	0.256KB	256 Bytes	16	1.8V-5.5V	20MHz	2	2.45	2.11	1.81	1.62
556-ATTINY461V10PU	ATTINY461V-10PU	PDIP	4KB	0.256KB	256 Bytes	16	1.8V-5.5V	20MHz	2	2.45	2.11	1.81	1.62
556-ATTINY461V10SU	ATTINY461V-10SU	SO150	4KB	0.256KB	256 Bytes	16	1.8V-5.5V	20MHz	2	2.45	2.11	1.81	1.62
556-ATMEGA48-20AU	ATMEGA48-20AU	TQFP	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	20MHz	6	2.58	2.22	1.62	1.50
556-ATMEGA48-20MU	ATMEGA48-20MU	MLF	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	20MHz	6	2.69	2.31	1.69	1.56
556-ATMEGA48-20PU	ATMEGA48-20PU	PDIP	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	20MHz	6	2.69	2.31	1.69	1.56
556-ATMEGA48V10AU	ATMEGA48V-10AU	TQFP	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	20MHz	6	2.58	2.22	1.62	1.50
556-ATMEGA48V10MU	ATMEGA48V-10MU	MLF	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	20MHz	6	2.69	2.31	1.69	1.56
556-ATMEGA48V10PU	ATMEGA48V-10PU	PDIP	4KB	0.256KB	512 Bytes	23	1.8V-5.5V	20MHz	6	2.69	2.31	1.69	1.56
556-ATTINY85-20PU	ATTINY85-20PU	PDIP	8KB	0.512KB	512 Bytes	6	1.8V-5.5V	20MHz	4	2.84	2.44	1.78	1.65
556-ATTINY85V10PU	ATTINY85V-10PU	PDIP	8KB	0.512KB	512 Bytes	6	1.8V-5.5V	20MHz	4	2.73	2.35	1.72	1.59
556-ATTINY85V10SU	ATTINY85V-10SU	SO150	8KB	0.512KB	512 Bytes	6	1.8V-5.5V	20MHz	4	2.62	2.26	1.65	1.53
556-ATTINY84-20PU	ATTINY84-20PU	PDIP	8KB	0.512KB	512 Bytes	12	1.8V-5.5V	20MHz	4	2.90	2.50	2.15	1.92
556-ATTINY861-20PU	ATTINY861-20PU	PDIP	8KB	0.512KB	512 Bytes	16	1.8V-5.5V	20MHz	2	3.03	2.61	2.24	2.00
556-ATTINY861-20SU	ATTINY861-20SU	SO150	8KB	0.512KB	512 Bytes	16	1.8V-5.5V	20MHz	2	3.03	2.61	2.24	2.00
556-ATTINY861V10PU	ATTINY861V-10PU	PDIP	8KB	0.512KB	512 Bytes	16	1.8V-5.5V	20MHz	2	3.03	2.61	2.24	2.00
556-ATMEGA8535-16AU	ATMEGA8535-16AU	TQFP	8KB	0.5KB	512 Bytes	32	2.7V-5.5V	16MHz	4	5.59	4.81	3.51	3.25
556-ATMEGA8535-16PU	ATMEGA8535-16PU	PDIP	8KB	0.5KB	512 Bytes	32	2.7V-5.5V	16MHz	4	5.70	4.90	3.58	3.31
556-ATMEGA8535L-8AU	ATMEGA8535L-8AU	TQFP	8KB	0.5KB	512 Bytes	32	2.7V-5.5V	16MHz	4	5.59	4.81	3.51	3.25
556-ATMEGA8535L-8PU	ATMEGA8535L-8PU	PDIP	8KB	0.5KB	512 Bytes	32	2.7V-5.5V	16MHz	4	5.70	4.90	3.58	3.31
556-ATMEGA8515-16AU	ATMEGA8515-16AU	TQFP	8KB	0.5KB	512 Bytes	35	2.7V-5.5V	16MHz	3	5.16	4.44	3.24	3.00
556-ATMEGA8515-16PU	ATMEGA8515-16PU	PDIP	8KB	0.5KB	512 Bytes	35	2.7V-5.5V	16MHz	3	5.27	4.53	3.31	3.06
556-ATMEGA8515L-8AU	ATMEGA8515L-8AU	TQFP	8KB	0.5KB	512 Bytes	35	2.7V-5.5V	16MHz	3	5.16	4.44	3.24	3.00
556-ATMEGA8515L-8PU	ATMEGA8515L-8PU	PDIP	8KB	0.5KB	512 Bytes	35	2.7V-5.5V	16MHz	3	5.27	4.53	3.31	3.06
556-ATMEGA8-16AU	ATMEGA8-16AU	TQFP	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	16MHz	3	3.55	3.05	2.23	2.06
556-ATMEGA8-16MU	ATMEGA8-16MU	MLF	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	16MHz	3	3.66	3.15	2.30	2.13
556-ATMEGA8-16PU	ATMEGA8-16PU	PDIP	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	16MHz	3	3.66	3.15	2.30	2.13
556-ATMEGA88-20AU	ATMEGA88-20AU	TQFP	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	3.76	3.24	2.36	2.19
556-ATMEGA88-20MU	ATMEGA88-20MU	MLF	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	3.87	3.33	2.43	2.25
556-ATMEGA88-20PU	ATMEGA88-20PU	PDIP	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	3.87	3.33	2.43	2.25
556-ATMEGA88V10AU	ATMEGA88V-10AU	TQFP	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	3.76	3.24	2.36	2.19
556-ATMEGA88V10MU	ATMEGA88V-10MU	MLF	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	3.87	3.33	2.43	2.25
556-ATMEGA88V10PU	ATMEGA88V-10PU	PDIP	8KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	3.87	3.33	2.43	2.25
556-ATMEGA8L-8AU	ATMEGA8L-8AU	TQFP	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	16MHz	3	3.55	3.05	2.23	2.06
556-ATMEGA8L-8MU	ATMEGA8L-8MU	MLF	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	16MHz	3	3.66	3.15	2.30	2.13
556-ATMEGA8L-8PU	ATMEGA8L-8PU	PDIP	8KB	0.5KB	1024 Bytes	23	2.7V-5.5V	16MHz	3	3.66	3.15	2.30	2.13
556-ATMEGA164P-20PU	ATMEGA164P-20PU	PDIP	16KB	0.512KB	1024 Bytes	32	1.8V-5.5V	20MHz	6	4.82	4.14	3.56	3.18
556-ATMEGA164PV10AU	ATMEGA164PV-10AU	TQFP	16KB	0.512KB	1024 Bytes	32	1.8V-5.5V	20MHz	6	4.82	4.14	3.56	3.18
556-ATMEGA168-20AU	ATMEGA168-20AU	TQFP	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	4.00	3.44	2.51	2.33
556-ATMEGA168-20MU	ATMEGA168-20MU	MLF	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	4.11	3.53	2.58	2.39
556-ATMEGA168-20PU	ATMEGA168-20PU	PDIP	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	4.11	3.53	2.58	2.39
556-ATMEGA168V10AU	ATMEGA168V-10AU	TQFP	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	4.00	3.44	2.51	2.33
556-ATMEGA168V10MU	ATMEGA168V-10MU	MLF	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	4.11	3.53	2.58	2.39
556-ATMEGA168V10PU	ATMEGA168V-10PU	PDIP	16KB	0.5KB	1024 Bytes	23	1.8V-5.5V	20MHz	6	4.11	3.53	2.58	2.39

ATMEL AVR Microcontrollers and Development Tools

RoHS Compliant **This page of product is compliant.**

AVR MICROCONTROLLERS (CONT.)

Atmel's AVR® microcontrollers have a RISC core running single cycle instructions and a well-defined I/O structure that limits the need for external components. Internal oscillators, timers, UART, SPI, pull-up resistors, pulse width modulation, ADC, analog comparator and watch-dog timers are some of the features you will find in AVR devices.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Flash	EEPROM	SRAM	Max. I/O Pins	Vcc	Frequency (Max.)	PWM (Chan.)	Price Each			
										1	10	25	100
556-ATMEGA16-16AU	ATMEGA16-16AU	TQFP	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	16MHz	4	6.45	5.55	4.05	3.75
556-ATMEGA16-16PU	ATMEGA16-16PU	PDIP	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	16MHz	4	6.56	5.64	4.12	3.81
556-ATMEGA16L-8AU	ATMEGA16L-8AU	TQFP	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	16MHz	4	6.45	5.55	4.05	3.75
556-ATMEGA16L-8MU	ATMEGA16L-8MU	MLF	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	16MHz	4	6.56	5.64	4.12	3.81
556-ATMEGA16L-8PU	ATMEGA16L-8PU	PDIP	16KB	0.5KB	1024 Bytes	32	2.7V-5.5V	16MHz	4	6.56	5.64	4.12	3.81
556-ATMEGA162-16AU	ATMEGA162-16AU	TQFP	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	16MHz	6	6.67	5.74	4.19	3.88
556-ATMEGA162-16MU	ATMEGA162-16MU	MLF	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	16MHz	6	6.77	5.83	4.25	3.94
556-ATMEGA162-16PU	ATMEGA162-16PU	PDIP	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	16MHz	6	6.77	5.83	4.25	3.94
556-ATMEGA162V8AU	ATMEGA162V-8AU	TQFP	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	16MHz	6	6.67	5.74	4.19	3.88
556-ATMEGA162V8PU	ATMEGA162V-8PU	PDIP	16KB	0.5KB	1024 Bytes	35	1.8V-5.5V	16MHz	6	6.77	5.83	4.25	3.94
556-ATMEGA165P-16AU	ATMEGA165P-16AU	TQFP	16KB	0.5KB	1024 Bytes	54	1.8V-5.5V	16MHz	4	5.74	4.94	4.25	3.79
556-ATMEGA165PV8AU	ATMEGA165PV-8AU	TQFP	16KB	0.5KB	1024 Bytes	54	1.8V-5.5V	16MHz	4	5.74	4.94	4.25	3.79
556-ATMEGA32-16AU	ATMEGA32-16AU	TQFP	32KB	1KB	2048 Bytes	32	2.7V-5.5V	16MHz	4	8.17	7.03	5.13	4.75
556-ATMEGA32-16MU	ATMEGA32-16MU	MLF	32KB	1KB	2048 Bytes	32	2.7V-5.5V	16MHz	4	8.28	7.12	5.20	4.81
556-ATMEGA32-16PU	ATMEGA32-16PU	PDIP	32KB	1KB	2048 Bytes	32	2.7V-5.5V	16MHz	4	8.28	7.12	5.20	4.81
556-ATMEGA324P-20AU	ATMEGA324P-20AU	TQFP	32KB	1KB	2048 Bytes	32	1.8V-5.5V	20MHz	6	6.02	5.18	4.45	3.98
556-ATMEGA324P-20PU	ATMEGA324P-20PU	PDIP	32KB	1KB	2048 Bytes	32	1.8V-5.5V	20MHz	6	6.02	5.18	4.45	3.98
556-ATMEGA324PV10PU	ATMEGA324PV-10PU	PDIP	32KB	1KB	2048 Bytes	32	1.8V-5.5V	20MHz	6	6.02	5.18	4.45	3.98
556-ATMEGA32L-8AU	ATMEGA32L-8AU	TQFP	32KB	1KB	2048 Bytes	32	2.7V-5.5V	16MHz	4	8.17	7.03	5.13	4.75
556-ATMEGA32L-8MU	ATMEGA32L-8MU	MLF	32KB	1KB	2048 Bytes	32	2.7V-5.5V	16MHz	4	8.17	7.03	5.13	4.75
556-ATMEGA32L-8PU	ATMEGA32L-8PU	PDIP	32KB	1KB	2048 Bytes	32	2.7V-5.5V	16MHz	4	8.17	7.03	5.13	4.75
556-ATMEGA325-16AU	ATMEGA325-16AU	TQFP	32KB	1KB	2048 Bytes	54	1.8V-5.5V	16MHz	4	6.88	5.92	4.32	4.00
556-ATMEGA329-16AU	ATMEGA329-16AU	TQFP	32KB	1KB	2048 Bytes	54	1.8V-5.5V	16MHz	4	7.61	6.55	4.78	4.43
556-ATMEGA644-20AU	ATMEGA644-20AU	TQFP	64KB	2KB	4096 Bytes	32	1.8V-5.5V	20MHz	6	7.76	6.68	4.87	4.51
556-ATMEGA644-20PU	ATMEGA644-20PU	PDIP	64KB	2KB	4096 Bytes	32	1.8V-5.5V	20MHz	6	7.87	6.77	4.94	4.58
556-ATMEGA644V10AU	ATMEGA644V-10AU	TQFP	64KB	2KB	4096 Bytes	32	1.8V-5.5V	20MHz	6	7.76	6.68	4.87	4.51
556-ATMEGA644V10PU	ATMEGA644V-10PU	PDIP	64KB	2KB	4096 Bytes	32	1.8V-5.5V	20MHz	6	7.87	6.77	4.94	4.58
556-ATMEGA64-16AU	ATMEGA64-16AU	TQFP	64KB	2KB	4096 Bytes	54	2.7V-5.5V	16MHz	8	11.83	10.18	7.43	6.88
556-ATMEGA645-16AU	ATMEGA645-16AU	TQFP	64KB	2KB	4096 Bytes	54	1.8V-5.5V	16MHz	4	9.01	7.75	5.66	5.24
556-ATMEGA64L-8AU	ATMEGA64L-8AU	TQFP	64KB	2KB	4096 Bytes	54	2.7V-5.5V	16MHz	8	11.83	10.18	7.43	6.88
556-ATMEGA640-16AU	ATMEGA640-16AU	TQFP	64KB	4KB	8192 Bytes	86	2.7V-5.5V	16MHz	16	11.80	10.16	8.73	7.80
556-A90CAN128-16AU	AT90CAN128-16AU	TQFP	128KB	4KB	4096 Bytes	53	2.7V-5.5V	16MHz	8	16.77	14.43	12.40	11.08
556-ATMEGA128-16AU	ATMEGA128-16AU	TQFP	128KB	4KB	4096 Bytes	53	2.7V-5.5V	16MHz	8	15.05	12.95	9.45	8.75
556-ATMEGA128-16MU	ATMEGA128-16MU	MLF	128KB	4KB	4096 Bytes	53	2.7V-5.5V	16MHz	8	15.16	13.04	9.52	8.81
556-ATMEGA128L-8AU	ATMEGA128L-8AU	TQFP	128KB	4KB	4096 Bytes	53	2.7V-5.5V	16MHz	8	15.05	12.95	9.45	8.75
556-ATMEGA128L-8MU	ATMEGA128L-8MU	MLF	128KB	4KB	4096 Bytes	53	2.7V-5.5V	16MHz	8	15.16	13.04	9.52	8.81
556-ATMEGA1281-16AU	ATMEGA1281-16AU	TQFP	128KB	4KB	8192 Bytes	54	2.7V-5.5V	16MHz	9	14.36	12.36	10.62	9.49
556-ATMEGA1281V8AU	ATMEGA1281V-8AU	TQFP	128KB	4KB	8192 Bytes	54	1.8V-5.5V	16MHz	9	14.36	12.36	10.62	9.49
556-ATMEGA1281V8MU	ATMEGA1281V-8MU	MLF	128KB	4KB	8192 Bytes	54	1.8V-5.5V	16MHz	9	14.36	12.36	10.62	9.49
556-ATMEGA1280-16AU	ATMEGA1280-16AU	TQFP	128KB	4KB	8192 Bytes	86	2.7V-5.5V	16MHz	16	15.72	13.52	11.62	10.38
556-A90USB1286-16MU	AT90USB1286-16MU	QFN	128KB	4KB	8192 Bytes	48	2.7V-5.5V	16MHz	8	15.61	13.43	11.54	10.30
556-A90USB1287-16AU	AT90USB1287-16AU	TQFP	128KB	4KB	8192 Bytes	48	2.7V-5.5V	16MHz	8	16.71	14.37	12.35	11.03
556-A90USB1287-16MU	AT90USB1287-16MU	QFN	128KB	4KB	8192 Bytes	48	2.7V-5.5V	16MHz	8	16.71	14.37	12.35	11.03
556-ATMEGA2561-16AU	ATMEGA2561-16AU	TQFP	256KB	4KB	8192 Bytes	54	4.5V-5.5V	16MHz	9	16.99	14.62	10.67	9.88
556-ATMEGA2561V8AU	ATMEGA2561V-8AU	TQFP	256KB	4KB	8192 Bytes	54	1.8V-5.5V	16MHz	9	16.99	14.62	10.67	9.88
556-ATMEGA2560-16AU	ATMEGA2560-16AU	TQFP	256KB	4KB	8192 Bytes	86	4.5V-5.5V	16MHz	16	17.97	15.47	11.29	10.45
556-ATMEGA2560V8AU	ATMEGA2560V-8AU	TQFP	256KB	4KB	8192 Bytes	86	1.8V-5.5V	16MHz	16	17.97	15.47	11.29	10.45

AVR DEVELOPMENT TOOLS

MOUSER STOCK NO.	Atmel Part No.	Description	Price Each
556-ATSTK500	ATSTK500	Starter kit and development system for AVR Flash microcontrollers to develop prototypes and test new designs. The STK500 interfaces with AVR Studio ®, Atmel's Integrated Development Environment (IDE) for code writing and debugging.	83.79
556-ATSTK501	ATSTK501	Expansion module for the STK500 Starter Kit adding support for all current AVR® devices.	83.79
556-ATSTK502	ATSTK502	Expansion module for the STK500 Starter Kit adding support for the 64-pin LCD AVR family with on-chip LCD controller and the Mega AVR family.	105.07
556-ATSTK503	ATSTK503	Expansion module for the STK500 Starter Kit adding support for the 100-pin AVR microcontrollers.	125.02
556-ATSTK504	ATSTK504	Expansion module for the STK500 Starter Kit adding support for the 100-pin LCD AVR family and the Mega AVR family.	125.02
556-ATSTK505	ATSTK505	Expansion module to the STK500 development board adding support for the 14-pin and 20-pin AVR microcontrollers.	83.79
556-ATSTK525	ATSTK525	Starter Kit for the AT90USB microcontrollers, supporting JTAGICE mkII and AVRISP mkII via AVR Studio. Includes a number demonstration program with source and hex files. The parts can be directly programmed through the USB port with FLIP In-System Programming utility.	211.47
556-ATJTAGICE2	ATJTAGICE2	Development tool for on-chip debugging of all AVR 8-bit microcontrollers with IEEE 1149.1 compliant JTAG interface or debugWIRE Interface.	317.87
556-ATAVRMC100	ATAVRMC100	Motor control kit includes an evaluation board, a 3-phase BLDC motor and demonstration software.	211.47
556-ATAVRMC200	ATAVRMC200	Evaluation kit for asynchronous AC motor control, using various sensors for regulation. Includes an evaluation board and demonstration firmware. Supporting 110-230V motors, the kit also allows evaluation of BLDC motors using the AT90PWM3 AVR microcontroller.	317.87
556-ATAVRMC201	ATAVRMC201	Asynchronous AC Motor for ATAVRMC200.	105.07
556-ATAVRSB100	ATAVRSB100	Smart battery development kit which is an evaluation tool and development board for the ATmega406 single-chip smart battery device from Atmel, acommodating designs incorporating from 2 to 4 Lithium-ion cells.	317.87
556-ATAVRISP2	ATAVRISP2	AVR INSystem Programming Kit.	35.91
556-ATAVRFBKIT	ATAVRFBKIT	Dimmable Fluorescent Ballast kit which demonstrates the ability of the AT90PWM2 to control all the main functions of a DALI Fluorescent Ballast.	211.47
556-ATAVRBFLY	ATAVRBFLY	Evaluation tool shipped with preloaded firmware supporting temperature sensing, light measurement, voltage readings and music playback.	21.28
556-ATATAVRDRAGON	ATATAVRDRAGON	AVR Emulator and Progammer.	51.87
556-A90USBKEY	AT90USBKEY	Low-cost demonstration board for quick evaluation of AVR microcontrollers and the AT90USB family.	31.92
556-ATAVRRZ200	ATAVRRZ200	Demonstration kit that enables development, debugging and demonstration on 802.15.4/ZigBee networks. Contains: 5 Radio controller boards with antennas & batteries; 1 Display board with wall transformer; 1 ATAVRISP mkII programming dongle; Free Atmel IEEE 802.15.4 MAC software; PCB layout reference.	499.99
556-ATAVRRZ502	ATAVRRZ502	Accessory kit that enables point to point links development, debugging and demonstration. Contains: 2 Radio boards (require STK500 + STK501 top module); 2 ATmega1281V TQFP AVR Microcontrollers; Free Atmel IEEE 802.15.4 MAC software; PCB layout reference.	98.42

ATMEL Microcontrollers and Development Tools

32-BIT ARM-BASED MICROCONTROLLERS

RoHS Compliant **This page of product is compliant.**

Atmel's 32-bit Smart ARM®-based microcontrollers offer: Proven architecture based on ten years' experience in ARM-based standard products; predictable response to a real-time event within a specified number of clock cycles; embedded Flash memory for flexible code and reference data storage; code compatibility across all products; and low-cost development tools, all based on the industry-standard ARM 32-bit RISC processor architecture.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Pkg	Flash	SRAM	USB Device	USB Host	Ether MAC 10/10	CAN	UART USART DBGU	10-Bit A/D Chan.	Max. Freq.	PWM (Chan.)	Watch-dog Timer	Brown Out Detect	Price Each 1	10	25	100
556-A91SAM7S128-MU	AT91SAM7S128-MU	QFN	128KB	32KB	1	-	-	-	3	8	55MHz	4	1	1	10.86	9.34	7.58	6.82
556-A91SAM7X128AU	AT91SAM7X128-AU	LQFP	128KB	32KB	1	-	1	1	3	8	55MHz	4	1	1	11.61	9.99	8.10	7.29
556-A91SAM7SE256CU	AT91SAM7SE256-CU	CBGA	256KB	32KB	1	-	-	-	3	8	48MHz	4	1	1	16.45	12.95	11.55	9.80
556-A91SAM7S256AU001	AT91SAM7S256-AU-001	LQFP	256KB	64KB	1	-	-	-	3	8	55MHz	4	1	1	12.46	9.81	8.75	7.42
556-A91SAM7S256MU	AT91SAM7S256-MU	QFN	256KB	64KB	1	-	-	-	3	8	55MHz	4	1	1	12.90	11.10	9.00	8.10
556-A91SAM7X256AU	AT91SAM7X256-AU	LQFP	256KB	64KB	1	-	1	1	3	8	55MHz	4	1	1	13.87	11.93	9.68	8.58
556-A91SAM7X256CU	AT91SAM7X256-CU	BGA	256KB	64KB	1	-	1	1	3	8	55MHz	4	1	1	15.16	11.93	10.64	9.03
556-A91SAM7X512AU	AT91SAM7X512-AU	LQFP	512KB	128KB	1	-	1	1	3	8	55MHz	4	1	1	18.21	14.34	12.79	10.85
556-A91SAM7X512-CU	AT91SAM7X512-CU	BGA	512KB	128KB	1	-	1	1	3	8	55MHz	4	1	1	19.62	15.45	13.78	11.69
556-A91SAM7SE512AU	AT91SAM7SE512-AU	LQFP	512KB	32KB	1	-	-	-	3	8	48MHz	4	1	1	17.63	15.17	12.71	10.91
556-A91SAM7SE512-CU	AT91SAM7SE512-CU	CBGA	512KB	32KB	1	-	-	-	3	8	48MHz	4	1	1	18.80	14.80	13.20	11.20
556-A91SAM7S512-MU	AT91SAM7S512-MU	QFN	512KB	64KB	1	-	-	-	3	8	55MHz	4	1	1	15.16	11.93	10.64	9.03
556-A91SAM9261-CJ	AT91SAM9261-CJ	CBGA	-	160KB	1	2	-	-	4	-	180MHz	-	1	-	24.91	19.61	17.49	14.84
556-A91SAM9260-QU	AT91SAM9260-QU	PQFP	-	2x4KB	1	2	1	-	7	4	180MHz	-	1	2	16.23	13.97	11.33	10.19
556-A91SAM9263-CU	AT91SAM9263-CU	BGA	-	96KB	1	-	1	-	4	-	240MHz	4	1	-	31.02	24.42	21.78	18.48
556-A91M42800A-33AU	AT91M42800A-33AU	LQFP	-	8KB	-	-	-	-	2	-	33MHz	-	1	-	11.72	10.08	8.18	7.36
556-A91RM9200QU-002	AT91RM9200-QU-002	PQFP	-	16KB	1	1	1	-	5	-	180MHz	-	1	-	22.47	19.33	15.68	14.11

ARM-BASED MICROCONTROLLER DEVELOPMENT KITS AND TOOLS

MOUSER STOCK NO.	Atmel Part No.	Description	Price Each
556-A91SAM7S-EK	AT91SAM7S-EK	Enables evaluation capabilities and code development of applications running on an AT91SAM7S device.	149.00
556-A91SAM7X-EK	AT91SAM7X-EK	Enables evaluation capabilities and code development of applications running on an AT91SAM7X microcontroller.	250.00
556-A91SAM7XC-EK	AT91SAM7XC-EK	Enables evaluation capabilities and code development of applications running on an AT91SAM7XC microcontroller.	250.00
556-A91RM9200EK	AT91RM9200-EK	Supports the AT91RM9200 ARM9-based 32-bit RISC microcontroller and enables real-time code development and evaluation.	1250.00
556-A91SAM9261-EK	AT91SAM9261-EK	Supports the AT91SAM9261, ARM926EJ-S-based 32-bit RISC microcontroller and enables real-time code development and evaluation.	975.00
556-A91SAM9260-EK	AT91SAM9260-EK	Enables the evaluation of and code development for applications running on an AT91SAM9260 device.	560.00
556-A91SAM-ICE	AT91SAM-ICE	SAM-ICE is a JTAG emulator designed for all Atmel AT91 ARM7/ARM9 cores.	129.00
556-AT91SAM7SE-EK	AT91SAM7SE-EK	Evaluation Kit for evaluation of and code development for applications running on an AT91SAM7SE device.	250.00
556-AT91SAM7A3-EK	AT91SAM7A3-EK	Evaluation kit that enables evaluation capabilities and code development of applications running on an AT91SAM7A3.	232.75
556-AT91SAM9263-EK	AT91SAM9263-EK	Evaluation Kit enables the evaluation of and code development for applications running on an AT91SAM9263 device.	995.00

8051 ARCHITECTURE MICROCONTROLLERS

Atmel offers a broad range of microcontrollers based on the 8051 architecture. The product line includes MCS-51® industry standard socket drop-in devices, In-System Programming capability, and small footprint 20-pin derivatives in ROMless, ROM, OTP & Flash flavors.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Pkg	Flash	RAM	ISP	Self Program Memory	I/O Pins	Vcc	Max. Freq.	UART	16-bit Timer	Watch-dog	SPI	Price Each 1	10	25	100
556-A89C2051-24PU	AT89C2051-24PU	PDIP	2KB	128B	--	--	15	2.7V-6.0V	24MHz	1	2	--	--	1.94	1.67	1.43	1.28
556-A89S51-24PU	AT89S51-24PU	PDIP	4KB	128B	SPI	--	32	4.0V-5.5V	33MHz	1	2	Yes	--	2.15	1.85	1.59	1.42
556-A89S51-24JU	AT89S51-24JU	PLCC	4KB	128B	SPI	--	32	4.0V-5.5V	33MHz	1	2	Yes	--	2.15	1.85	1.59	1.42
556-A89S52-24PU	AT89S52-24PU	PDIP	8KB	256B	SPI	--	32	4.0V-5.5V	33MHz	1	3	Yes	--	2.37	2.04	1.75	1.56
556-AT89S52-24JU	AT89S52-24JU	PLCC	8KB	256B	SPI	--	32	4.0V-5.5V	33MHz	1	3	Yes	--	2.37	2.04	1.75	1.56
556-A89LS52-16JU	AT89LS52-16JU	PLCC	8KB	256B	SPI	--	32	2.7V-4.0V	33MHz	1	3	Yes	--	2.47	2.13	1.83	1.63
556-A89S52-24AU	AT89S52-24AU	TQFP	8KB	256B	SPI	--	32	4.0V-5.5V	33MHz	1	3	Yes	--	2.37	2.04	1.75	1.56
556-A89S8253-24PU	AT89S8253-24PU	PDIP	12KB	256B	SPI	--	32	2.7V-5.5V	24MHz	1	3	Yes	Yes	4.95	4.26	3.66	3.27
556-A89S8253-24JU	AT89S8253-24JU	PLCC	12KB	256B	SPI	--	32	2.7V-5.5V	24MHz	1	3	Yes	Yes	4.95	4.26	3.66	3.27
556-A89S8253-24AU	AT89S8253-24AU	TQFP	12KB	256B	SPI	--	32	2.7V-5.5V	24MHz	1	3	Yes	Yes	4.95	4.26	3.66	3.27
556-A89C51RB2RLTUM	AT89C51RB2-RLTUM	LQFP	16KB	1280B	UART	API	32	2.7V-5.5V	60MHz	1	3	Yes	Yes	7.22	6.22	5.04	4.44
556-AT89C55WD-24JU	AT89C55WD-24JU	PLCC	20KB	256B	--	--	32	4.0V-6.0V	33MHz	1	3	Yes	--	3.87	3.33	2.86	2.56
556-A89C51RC2RLTUM	AT89C51RC2-RLTUM	LQFP	32KB	1280B	UART	API	32	2.7V-5.5V	60MHz	1	3	Yes	Yes	7.74	6.66	5.40	4.75
556-A89C51RC2-3CSUM	AT89C51RC2-3CSUM	PDIP	32KB	1280B	UART	API	32	2.7V-5.5V	60MHz	1	3	Yes	Yes	7.74	6.66	5.40	4.75
556-A89C51RC2SLSUL	AT89C51RC2-SLSUL	PLCC	32KB	1280B	UART	API	32	2.7V-5.5V	60MHz	1	3	Yes	Yes	7.74	6.66	5.40	4.75
556-A89C51ED2RLTUM	AT89C51ED2-RLTUM	LQFP	64KB	2048B	UART	API	32	2.7V-5.5V	60MHz	1	3	Yes	Yes	10.97	9.44	7.65	6.73
556-A89C51RD2SLSUM	AT89C51RD2-SLSUM	PLCC	64KB	2048B	UART	API	32	2.7V-5.5V	60MHz	1	3	Yes	Yes	8.39	7.22	5.85	5.15
556-A89C51ED2SLSUM	AT89C51ED2-SLSUM	PLCC	64KB	2048B	UART	API	32	2.7V-5.5V	60MHz	1	3	Yes	Yes	10.97	9.44	7.65	6.73
556-A89C51ED2RDTUM	AT89C51ED2-RDTUM	VQFP	64KB	2048B	UART	API	32	2.7V-5.5V	60MHz	1	3	Yes	Yes	11.83	10.18	8.25	7.26
556-A80C31X2-3CSUM	AT80C31X2-3CSUM	PDIP	--	128B	--	--	32	2.7V-5.5V	60MHz	1	2	--	--	1.88	1.66	1.52	1.34
556-A80C32X2-3CSUM	AT80C32X2-3CSUM	PDIP	--	256B	--	--	32	2.7V-5.5V	60MHz	1	3	--	--	1.88	1.66	1.52	1.34
556-A80C32X2SLSUM	AT80C32X2-SLSUM	PLCC	--	256B	--	--	32	2.7V-5.5V	60MHz	1	3	--	--	1.88	1.66	1.45	1.29
556-A87C51RD2SLSUL	AT87C51RD2-SLSUL	PLCC	--	1024B	--	--	32	2.7V-5.5V	40MHz	1	3	Yes	--	11.37	9.79	8.36	7.41
556-A87C52X2-3CSUM	AT87C52X2-3CSUM	PDIP	--	256B	--	--	32	2.7V-5.5V	60MHz	1	3	--	--	2.96	2.54	2.42	2.14
556-A87C52X2SLSUM	AT87C52X2-SLSUM	PLCC	--	256B	--	--	32	2.7V-5.5V	60MHz	1	3	--	--	2.96	2.54	2.37	2.10

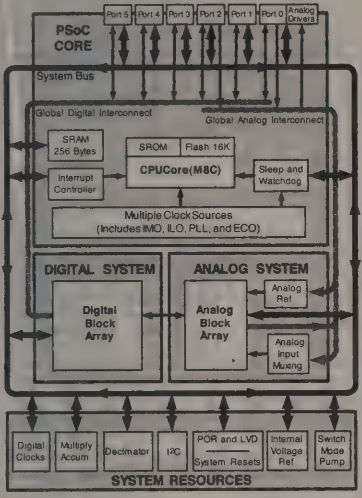
8051 ARCHITECTURE MICROCONTROLLER DEVELOPMENT KITS AND ACCESSORIES

MOUSER STOCK NO.	Atmel Part No.	Description	Price Each
556-A89STK-05	AT89STK-05	USB Starter kit designed help developers using AT89C5131 USB Flash microcontroller. Includes: evaluation board In-System Programming tool (FLIP), and HID (Human Interface Device) keyboard demonstration program.	131.67
556-A89STK10	AT89STK-10	Starter Kit includes a demonstration board allowing the evaluation of the Mass Storage Application based on Nand Flash or Dataflash.	133.00
556-A89STK-11	AT89STK-11	Starter Kit dedicated to the In-System Programmable standard Flash C51 microcontrollers.	131.67
556-A89OCD-01	AT89OCD-01	Emulator to provide a reliable way to load and debug AtmelAT8xC51 microcontrollers.	131.67
556-CANADAPT28	CANADAPT28	Adapter to plug a T89C51CC02 in PLCC28 on a T89C51CC01 PLCC44 socket.	33.25

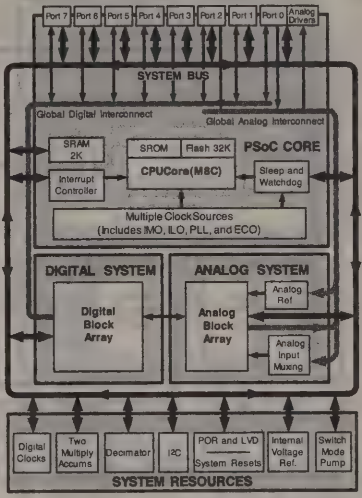
CYPRESS PSoC Mixed-Signal Arrays

RoHS Compliant **This page of product is compliant.**

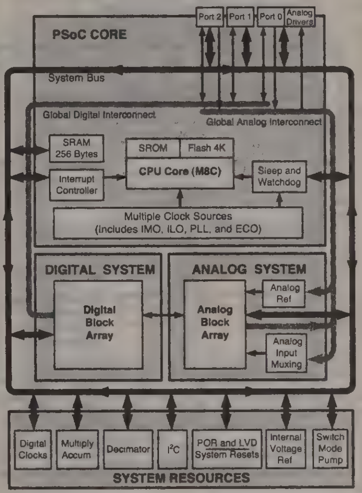
A


Port 5
Port 4
Port 3
Port 2
Port 1
Port 0
Analog Drivers
PSoC CORE
System Bus
Global Digital Interconnect
Global Analog Interconnect
SRAM 256 Bytes
SROM
Flash 16K
CPUCore(M8C)
Interrupt Controller
Sleep and Watchdog
Multiple Clock Sources (Includes IMO, ILO, PLL, and ECO)
DIGITAL SYSTEM
Digital Block Array
ANALOG SYSTEM
Analog Ref
Analog Block Array
Analog Input Muxing
Digital Clocks
Multiply Accum
Decimator
I2C
POR and LVD
System Resets
Internal Voltage Ref
Switch Mode Pump
SYSTEM RESOURCES

B


Port 7
Port 6
Port 5
Port 4
Port 3
Port 2
Port 1
Port 0
Analog Drivers
SYSTEM BUS
Global Digital Interconnect
Global Analog Interconnect
SRAM 2K
SROM
Flash 32K
PSoC CORE
CPUCore(M8C)
Interrupt Controller
Sleep and Watchdog
Multiple Clock Sources (Includes IMO, ILO, PLL, and ECO)
DIGITAL SYSTEM
Digital Block Array
ANALOG SYSTEM
Analog Ref
Analog Block Array
Analog Input Muxing
Digital Clocks
Two Multiply Accums
Decimator
I2C
POR and LVD
System Resets
Internal Voltage Ref.
Switch Mode Pump
SYSTEM RESOURCES

C


Port 2
Port 1
Port 0
Analog Drivers
PSoC CORE
System Bus
Global Digital Interconnect
Global Analog Interconnect
SRAM 256 Bytes
SROM
Flash 4K
CPU Core (M8C)
Interrupt Controller
Sleep and Watchdog
Multiple Clock Sources (Includes IMO, ILO, PLL, and ECO)
DIGITAL SYSTEM
Digital Block Array
ANALOG SYSTEM
Analog Ref
Analog Block Array
Analog Input Muxing
Digital Clocks
Multiply Accum
Decimator
I²C
POR and LVD System Resets
Internal Voltage Ref
Switch Mode Pump
SYSTEM RESOURCES

PSOC® MIXED-SIGNAL ARRAYS

The PSoC® family consists of many Mixed-Signal Array with On-Chip Controller devices. These devices are designed to replace multiple traditional MCU-based system components with one, low cost single-chip programmable device. PSoC devices include configurable blocks of analog and digital logic, as well as programmable interconnects. This architecture allows the user to create customized peripheral configurations that match the requirements of each individual application. Additionally, a fast CPU, Flash program memory, SRAM data memory, and configurable IO are included in a range of convenient pinouts and packages.

PSoC CY8X27x43

The PSoC CY8X27x43 family can have up to 5 I/O ports that connect to the global digital and analog interconnects, providing access to 8 digital blocks and 12 analog blocks.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Fig.	Package	I/O	Analog Block	Digital Blocks	Memory Size	RAM	Vcc (V)	Price Each		
										1	25	50
727-CY8C27143-24PXI	CY8C27143-24PXI	A	PDIP-8	6	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	5.00	2.99	2.81
727-CY8C27243-24PVXI	CY8C27243-24PVXI	A	SSOP-20	16	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	5.40	3.22	3.10
727-CY8C27243-24SXI	CY8C27243-24SXI	A	SOIC-20	16	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	5.40	3.23	3.05
727-CY8C27443-24PVXI	CY8C27443-24PVXI	A	SSOP-28	24	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	5.68	3.39	3.17
727-CY8C27443-24PXI	CY8C27443-24PXI	A	PDIP-28	24	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	5:90	3.53	3.29
727-CY8C27443-24SXI	CY8C27443-24SXI	A	SOIC-28	24	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	5.68	3.39	3.17
727-CY8C27543-24AXI	CY8C27543-24AXI	A	TQFP-44	40	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	6.95	4.14	3.97
727-CY8C27643-24LFXI	CY8C27643-24LFXI	A	QFN-48	44	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	6.98	4.16	3.97
727-CY8C27643-24PVXI	CY8C27643-24PVXI	A	SSOP-48	44	12:4-CT 8-SC	4-Basic 4-Comms	16KB Flash	256bytes	3.0V to 5.25V	6.03	3.61	3.39

PSoC CY8C29x66

The PSoC CY8C29x66 family can have up to eight I/O ports that connect to the global digital and analog interconnects, providing access to 16 digital blocks and 12 analog blocks.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Fig.	Package	I/O	Analog Block	Digital Blocks	Memory Size	RAM	Vcc (V)	Price Each		
										1	25	50
727-CY8C29466-24PVXI	CY8C29466-24PVXI	B	SSOP-28	24	12:4-CT 8-SC	8-Basic 8-Comms	32KB Flash	2K	3.0V to 5.25V	7.65	4.79	4.37
727-CY8C29466-24PXI	CY8C29466-24PXI	B	PDIP-28	24	12:4-CT 8-SC	8-Basic 8-Comms	32KB Flash	2K	3.0V to 5.25V	8.78	5.25	5.01
727-CY8C29466-24SXI	CY8C29466-24SXI	B	SOIC-28	24	12:4-CT 8-SC	8-Basic 8-Comms	32KB Flash	2K	3.0V to 5.25V	7.65	4.58	4.25
727-CY8C29566-24AXI	CY8C29566-24AXI	B	TQFP-44	40	12:4-CT 8-SC	8-Basic 8-Comms	32KB Flash	2K	3.0V to 5.25V	8.53	5.10	4.75
727-CY8C29666-24LFXI	CY8C29666-24LFXI	B	QFN-48	44	12:4-CT 8-SC	8-Basic 8-Comms	32KB Flash	2K	3.0V to 5.25V	9.15	5.48	5.16
727-CY8C29666-24PVXI	CY8C29666-24PVXI	B	SSOP-48	44	12:4-CT 8-SC	8-Basic 8-Comms	32KB Flash	2K	3.0V to 5.25V	8.03	4.80	4.54
727-CY8C29866-24AXI	CY8C29866-24AXI	B	TQFP-100	64	12:4-CT 8-SC	8-Basic 8-Comms	32KB Flash	2K	3.0V to 5.25V	9.78	5.85	5.51

PSoC CY8C24x23A

The PSoC CY8C24x23A family can have up to three I/O ports that connect to the global digital and analog interconnects, providing access to 4 digital blocks and 6 analog blocks.

RoHS Compliant

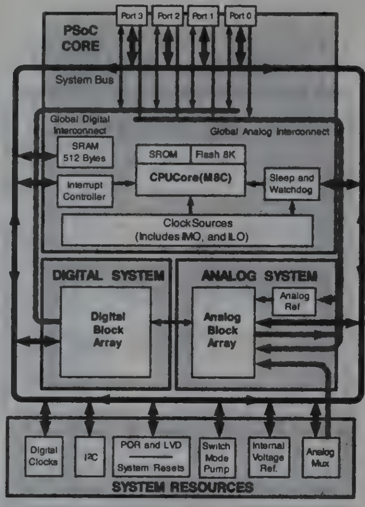
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Fig.	Package	I/O	Analog Block	Digital Blocks	Memory Size	RAM	Vcc (V)	Price Each		
										1	25	50
727-CY8C24123A-24PXI	CY8C24123A-24PXI	C	PDIP-8	6	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	2.95	1.76	1.64
727-CY8C24123A-24SXI	CY8C24123A-24SXI	C	SOIC-8	6	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	2.59	1.56	1.49
727-CY8C24223A-24PVXI	CY8C24223A-24PVXI	C	SSOP-20	16	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	3.35	2.00	1.88
727-CY8C24223A-24PXI	CY8C24223A-24PXI	C	PDIP-20	16	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	3.68	2.20	2.05
727-CY8C24223A-24SXI	CY8C24223A-24SXI	C	SOIC-20	16	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	3.65	2.18	2.03
727-CY8C24423A-24LFXI	CY8C24423A-24LFXI	C	QFN-32	24	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	3.32	2.54	2.35
727-CY8C24423A-24PVXI	CY8C24423A-24PVXI	C	SSOP-28	24	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	3.85	2.30	2.15
727-CY8C24423A-24PXI	CY8C24423A-24PXI	C	PDIP-28	24	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	4.48	2.87	2.55
727-CY8C24423A-24SXI	CY8C24423A-24SXI	C	SOIC-28	24	6:2-CT 4-SC	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	3.85	2.30	2.17

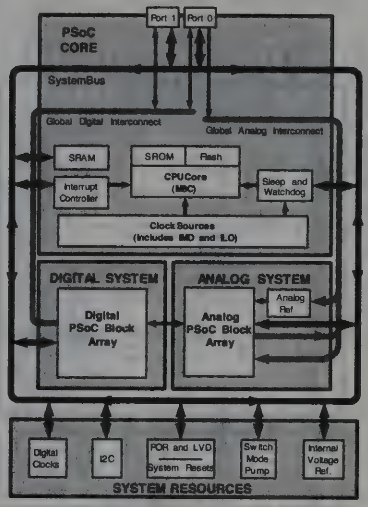
CYPRESS PSoC Mixed-Signal Arrays

RoHS Compliant **This page of product is compliant.**

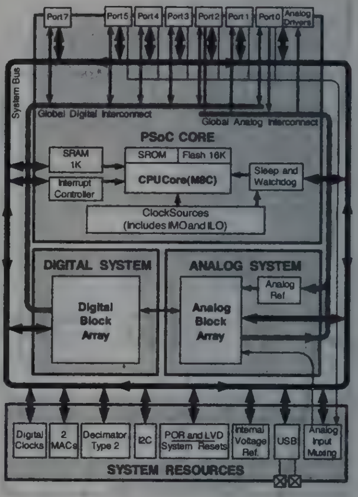
A


Port 3
Port 2
Port 1
Port 0
PSoC CORE
System Bus
Global Digital Interconnect
Global Analog Interconnect
SRAM 512 Bytes
SROM
Flash 8K
CPUCore(M8C)
Interrupt Controller
Sleep and Watchdog
ClockSources (Includes IMO, and ILO)
DIGITAL SYSTEM
Digital Block Array
ANALOG SYSTEM
Analog Ref
Analog Block Array
Digital Clocks
I2C
POR and LVD
System Resets
Switch Mode Pump
Internal Voltage Ref.
Analog Mux
SYSTEM RESOURCES

B


Port 1
Port 0
PSoC CORE
SystemBus
Global Digital Interconnect
Global Analog Interconnect
SRAM
SROM
Flash
CPUCore (M8C)
Interrupt Controller
Sleep and Watchdog
ClockSources (Includes IMO and ILO)
DIGITAL SYSTEM
Digital PSoC Block Array
ANALOG SYSTEM
Analog Ref
Analog PSoC Block Array
Digital Clocks
I2C
POR and LVD
System Resets
Switch Mode Pump
Internal Voltage Ref.
SYSTEM RESOURCES

C


Port 7
Port 5
Port 4
Port 3
Port 2
Port 1
Port 0
Analog Drivers
System Bus
Global Digital Interconnect
Global Analog Interconnect
PSoC CORE
SRAM 1K
SROM
Flash 16K
CPUCore(M8C)
Interrupt Controller
Sleep and Watchdog
ClockSources (Includes IMO and ILO)
DIGITAL SYSTEM
Digital Block Array
ANALOG SYSTEM
Analog Ref
Analog Block Array
Digital Clocks
2 MACs
Decimator Type 2
I2C
POR and LVD
System Resets
Internal Voltage Ref.
USB
Analog Input Muxing
SYSTEM RESOURCES

PSOC® MIXED-SIGNAL ARRAYS

The PSoC® family consists of many Mixed-Signal Array with On-Chip Controller devices. These devices are designed to replace multiple traditional MCU-based system components with one, low cost single-chip programmable device. PSoC devices include configurable blocks of analog and digital logic, as well as programmable interconnects. This architecture allows the user to create customized peripheral configurations that match the requirements of each individual application. Additionally, a fast CPU, Flash program memory, SRAM data memory, and configurable IO are included in a range of convenient pinouts and packages.

PSoC CY8C21x34

Each CY8C21x34 PSoC device includes four digital blocks and four analog blocks. Depending on the PSoC package, up to 28 general purpose I/O (GPIO) are also included. The GPIO provide access to the global digital and analog interconnects.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Fig.	Package	I/O	Analog Block	Digital Blocks	Memory Size	RAM	Vcc (V)	Price Each		
										1	25	50
727-CY8C21234-24SXI	CY8C21234-24SXI	A	SOIC-16	12	4 Type "E"	2-Basic 2-Comms	8KB Flash	512bytes	2.4V to 5.25V	2.82	2.19	1.98
727-CY8C21334-24PVXI	CY8C21334-24PVXI	A	SSOP-20	16	4 Type "E"	2-Basic 2-Comms	8KB Flash	512bytes	2.4V to 5.25V	3.04	2.34	2.15
727-CY8C21434-24LFXI	CY8C21434-24LFXI	A	QFN-32	28	4 Type "E"	2-Basic 2-Comms	8KB Flash	512bytes	2.4V to 5.25V	3.26	2.49	2.20
727-CY8C21534-24PVXI	CY8C21534-24PVXI	A	SSOP-28	24	4 Type "E"	2-Basic 2-Comms	8KB Flash	512bytes	2.4V to 5.25V	3.28	2.53	2.31
727-CY8C21634-24LFXI	CY8C21634-24LFXI	A	QFN-32	28	4 Type "E"	2-Basic 2-Comms	8KB Flash	512bytes	2.4V to 5.25V	3.54	2.70	2.30

PSoC CY8C21x23

The PSoC architecture is comprised of four main areas: the Core, the System Resources, the Digital System, and the Analog System. Configurable global bus resources allow all the device resources to be combined into a complete custom system. Each PSoC device includes four digital blocks. Depending on the PSoC package, up to two analog comparators and up tp 16 general purpose I/O (GPIO) are also included. The GPIO provide access to the global and analog interconnects.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Fig.	Package	I/O	Analog Block	Digital Blocks	Memory Size	RAM	Vcc (V)	Price Each		
										1	25	50
727-CY8C21123-24SXI	CY8C21123-24SXI	B	SOIC-8	6	4 Type "E"	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	1.78	1.08	1.01
727-CY8C21223-24SXI	CY8C21223-24SXI	B	SOIC-16	12	4 Type "E"	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	2.08	1.26	1.17
727-CY8C21323-24LFXI	CY8C21323-24LFXI	B	QFN-24	16	4 Type "E"	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	2.38	1.45	1.33
727-CY8C21323-24PVXI	CY8C21323-24PVXI	B	SSOP-20	16	4 Type "E"	2-Basic 2-Comms	4KB Flash	256bytes	2.4V to 5.25V	2.13	1.30	1.20

PSoC CY8C24x94

The PSoC CY8C24x94 devices are unique members of the PSoC family because it includes a full-featured, full-speed (12Mbps) USB port. Configurable analog, digital, and interconnect circuitry enable a high level of integration in a host of industrial, consumer, and communications applications.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Fig.	Package	I/O	Analog Block	Digital Blocks	Memory Size	RAM	Vcc (V)	Price Each		
										1	25	50
727-CY8C24794-24LFXI	CY8C24794-24LFXI	C	QFN-56	50	6:2-CT 4-SC	2-Basic 2-Comms	16KB Flash	1K	3.0V to 5.25V	4.50	3.49	3.20
727-CY8C24894-24LFXI	CY8C24894-24LFXI	C	QFN-56	49	6:2-CT 4-SC	2-Basic 2-Comms	16KB Flash	1K	3.0V to 5.25V	5.85	3.44	3.18
727-CY8C24994-24LFXI	CY8C24994-24LFXI	C	QFN-68	49	6:2-CT 4-SC	2-Basic 2-Comms	16KB Flash	1K	3.0V to 5.25V	7.38	4.54	4.15

CYPRESS Programming Boards and Development Kits

RoHS Compliant **This page of product is compliant.**

CORE KITS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Description	Price Each
727-CY3203A-CAPSENSE	CY3203A-CAPSENSE	CapSense Successive Approximation (CSA) Training Kit	123.00
727-CY3210-MINIPROG1	CY3210-MINIPROG1	PSoC ISSP Programmer For Prototyping	48.55
727-CY3210-PSOCEVAL1	CY3210-PSOCEVAL1	Eval Board with LCD Module + Mini Prog Unit	91.15
727-CY3213A-CAPSENSE	CY3213A-CAPSENSE	CapSense Sigma-Delta (CSD) Training Kit	123.00
727-CY3215-DK	CY3215-DK	PSoC DevKit (ICE-Cube) with PDIP-28 Pod	460.00

SPECIALTY KITS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Description	Price Each
727-CY3202-C	CY3202-C	PSoC C-Compiler for CY8C22X/24X/25X/26X/27X	168.00
727-CY3207ISSP	CY3207ISSP	PSoC ISSP Programmer For Production	338.00
727-CY3210-EXPRESSDK	CY3210-EXPRESSDK	PSoC Express Development Kit	772.00
727-CY3210-FANMOD	CY3210-FANMOD	2 Fan Modules for use with CY3210-ExpressDK	200.00
727-CY3210-PROTOMOD	CY3210-PROTOMOD	2 Proto Modules for use with CY3210-ExpressDK	100.00
727-CY3210-SDCARD	CY3210-SDCARD	SD Card Module Evaluation Kit	240.00
727-CY3214PSOCEVLUSB	CY3214-PSOCEVALUSB	Evaluation Board with LCD Module + Mini Prog Unit	129.00
727-CY3220-FPD	CY3220-FPD	8-Button Front Panel Display Board with LCD	102.00
727-CY3220LINBUS-RD	CY3220LINBUS-RD	LIN Bus 2.0 Reference Design	298.00
727-CY3220-SLIDER	CY3220-SLIDER	16-Switch Slider Board Demonstrating Interpolation	102.00
727-CY3235-PROXDET	CY3235-PROXDET	CapSense Proximity Detection Demonstration	84.65
727-CY3236APIRMOTION	CY3236A-PIRMOTION	Pyroelectric Infrared (PIR) Motion Detection Evaluation Kit (EVK)	105.00
727-CY3240-I2USB	CY3240-I2USB	I2C-USB Bridge	90.00
727-CY3242-IOX	CY3242-IOX	I2C Port Expander Evaluation Kit	645.00
727-CY3242-IOXLITE	CY3242-IOXLITE	I2C Port Expander Lite Demo Kit	129.00

ACCESSORY KITS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Cypress Part No.	Description	Price Each
727-CY3210-20X34	CY3210-20x34	PSoC CY8C20X34 Evaluation Pod -	123.00
727-CY3210-21X23	CY3210-21X23	PSoC CY8C21X23 Evaluation Pod	123.00
727-CY3210-21X34	CY3210-21X34	PSoC CY8C21X34 Evaluation Pod	123.00
727-CY3210-24X23	CY3210-24X23	PSoC CY8C24X23 Evaluation Pod	123.00
727-CY3210-24X94	CY3210-24X94	PSoC CY8C24X94 Evaluation Pod	123.00
727-CY3210-27X43	CY3210-27X43	PSoC CY8C27X43 Evaluation Pod	123.00
727-CY3210-29X66	CY3210-29X66	PSoC CY8C29X66 Evaluation Pod	123.00
727-CY3250-100TQFPFK	CY3250-100TQFP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 100 pin TQFP	315.00
727-CY3250-16SOIC-FK	CY3250-16SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 16 pin SOIC	109.00
727-CY3250-20334QFN	CY3250-20334QFN	PSoC CY8C20334QFN Emulation Kit	231.00
727-CY325020334QFNPD	CY3250-20334QFN-POD	2 Replacement Pods for CY3250-20334QFN Emulation Kit	131.00
727-CY3250-20434QFN	CY3250-20434QFN	PSoC CY8C20434QFN Emulation Kit	231.00
727-CY325020434QFNPD	CY3250-20434QFN-POD	2 Replacement Pods for CY3250-20434QFN Emulation Kit	131.00
727-CY3250-20PDIP-FK	CY3250-20PDIP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 20 pin DIP	109.00
727-CY3250-20SOIC-FK	CY3250-20SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 20 pin SOIC	109.00
727-CY3250-20SSOP-FK	CY3250-20SSOP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 20 pin SSOP	109.00
727-CY3250-21X23	CY3250-21X23	PSoC CY8C21X24 Non-QFN Package Emulation Kit	229.00
727-CY3250-21X23-POD	CY3250-21X23-POD	2 Replacement Pods for CY3250-21X23 Emulation Kit	131.00
727-CY3250-21X23QFN	CY3250-21X23QFN	PSoC CY8C21X23 QFN Emulation Kit	229.00
727-CY325021X23QFNPD	CY3250-21X23QFN-POD	2 Replacement Pods for CY3250-21X23QFN Emulation Kit	131.00
727-CY3250-21X34	CY3250-21X34	PSoC CY8C21X34 Non-QFN Package Emulation Kit	229.00
727-CY3250-21X34-POD	CY3250-21X34-POD	2 Replacement Pods for CY3250-21X34 Emulation Kit	131.00
727-CY3250-21X34QFN	CY3250-21X34QFN	PSoC CY8C21X34QFN Emulation Kit	229.00
727-CY325021X34QFNPD	CY3250-21X34QFN-POD	2 Replacement Pods for CY3250-21X34QFN Emulation Kit	131.00
727-CY3250-24QFN-FK	CY3250-24QFN-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 24 pin QFN	197.00
727-CY3250-24X23A	CY3250-24X23A	PSoC CY8C24X23A Non-QFN Package Emulation Kit	229.00
727-CY3250-24X23APOD	CY3250-24X23A-POD	2 Replacement Pods for CY3250-24X23A Emulation Kit	131.00
727-CY3250-24X23AQFN	CY3250-24X23AQFN	PSoC CY8C24X23AQFN Emulation Kit	229.00
727-CY325024X23AQFPD	CY3250-24X23AQFN-POD	2 Replacement Pods for CY3250-24X23AQFN Emulation Kit	131.00
727-CY3250-24X94QFN	CY3250-24X94QFN	PSoC CY8C24X94QFN Emulation Kit	229.00
727-CY325024X94QFNPD	CY3250-24X94QFN-POD	2 Replacement Pods for CY3250-24X94QFN Emulation kit	131.00
727-CY3250-27XXX	CY3250-27XXX	PSoC CY8C27X43 Non-QFN Package Emulation Kit	229.00
727-CY3250-27XXX-POD	CY3250-27XXX-POD	2 Replacement Pods for CY3250-27XXX Emulation Kit	131.00
727-CY3250-27XXXQFN	CY3250-27XXXQFN	PSoC CY8C27X43QFN Emulation Kit	229.00
727-CY325027XXXQFNPD	CY3250-27XXXQFN-POD	2 Replacement Pods for CY3250-27XXXQFN Emulation Kit	131.00
727-CY3250-28PDIP-FK	CY3250-28PDIP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin DIP	109.00
727-CY3250-28SOIC-FK	CY3250-28SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin SOIC	109.00
727-CY3250-28SSOP-FK	CY3250-28SSOP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 28 pin SSOP	109.00
727-CY3250-29XXX	CY3250-29XXX	PSoC CY8C29XXX Non-QFN Package Emulation Kit	229.00
727-CY3250-29XXX-POD	CY3250-29XXX-POD	2 Replacement Pods for CY3250-29XXX Emulation Kit	131.00
727-CY3250-29XXXQFN	CY3250-29XXXQFN	PSoC CY8C29XXXQFN Emulation Kit	229.00
727-CY3250-29XXXQFN-POD	CY3250-29XXXQFN-POD	2 Replacement Pods for CY3250-29XXXQFN Emulation Kit	106.25
727-CY3250-32QFN-FK	CY3250-32QFN-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 32 pin QFN	197.00
727-CY3250-44TQFP-FK	CY3250-44TQFP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 44 pin TQFP	109.00
727-CY3250-48QFN-FK	CY3250-48QFN-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 48 pin QFN	197.00
727-CY3250-48SSOP-FK	CY3250-48SSOP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 48 pin SSOP	109.00
727-CY3250-56QFN-FK	CY3250-56QFN-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 56 pin QFN	197.00
727-CY3250-8PDIP-FK	CY3250-8PDIP-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 8 pin DIP	109.00
727-CY3250-8SOIC-FK	CY3250-8SOIC-FK	4 Replacement PSoC CY3250 Emulation Pod Feet for 8 pin SOIC	109.00
727-CY3250-FLEXCABLE	CY3250-FLEXCABLE	1 Replacement Flexcable for CY3250 Emulation Kit	115.00

POWERQUICC™ COMMUNICATIONS PROCESSORS

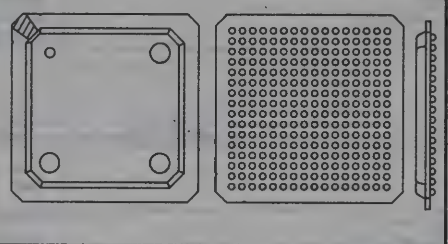
Freescale Semiconductor delivers intelligence to embedded networking and communications solutions with proven and evolving PowerQUICC™ integrated communications processors. PowerQUICC processors are a key element to Freescale Semiconductor's Smart Networks Platform. With more than 5000 design wins and greater than 80 percent market share in communications processors, PowerQUICC processors enable network equipment vendors to reach the market fast with next generation communications equipment.

Features:
- Available in CPU frequencies up to 400MHz
- Up to three SCC's available
- System Integration Unit (SIU)
- PCMCIA support
- Support for Fast Ethernet

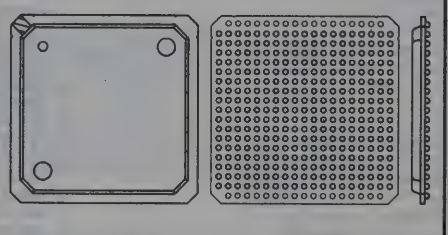
RoHS Compliant

Applications:
- Low-end routers, including VPN routers
- SOHO and enterprise routers
- Home networking equipment
- Integrated Access Devices (IADs)
- General-purpose controller
- Factory automation
- Industrial control
- Embedded control

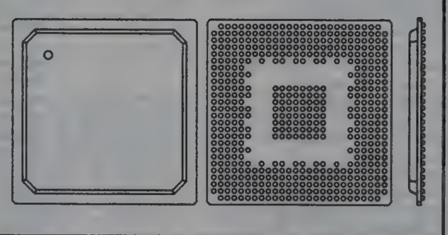
A



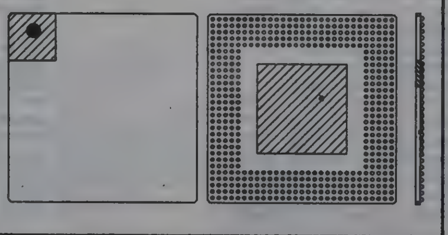
B



C



D



RoHS Compliant This page of product is compliant.

MPC852T: PowerQUICC™ Integrated Communications Processors

The MPC852T is an "ethernet-only" member of the MPC866 Family. Like the MPC866, the MPC852T is a 0.18 micron version of the PowerQUICC Family and can operate up to a maximum of 100 MHz on the MPC8xx Core with a maximum of 66 MHz external bus. The MPC852T Integrated Communications Controller is a versatile one-chip integrated microprocessor and peripheral combination that can be used in a variety of controller applications. The MPC852T is ideal for ethernet to ethernet applications such as line card.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MPC852TCVR100A	MPC852TCVR100A	A	PBGA 256	100	3.3	132.0	**30.56**	**28.27**
841-MPC852TCVR50A	MPC852TCVR50A	A	PBGA 256	50	3.3	66.0	**20.80**	**19.24**
841-MPC852TVR100A	MPC852TVR100A	A	PBGA 256	100	3.3	132.0	**28.30**	**26.18**
841-MPC852TVR50A	MPC852TVR50A	A	PBGA 256	50	3.3	66.0	**19.26**	**17.82**
841-MPC852TVR66A	MPC852TVR66A	A	PBGA 256	66	3.3	87.0	**21.78**	**20.15**

MPC859DSL: PowerQUICC I™ Integrated Communications Processors

The MPC859DSL Integrated Communications Controller is a versatile, one-chip integrated microprocessor and peripheral combination that can be used in a variety of controller applications. It particularly excels in CPE applications, including DSL modems, IADs, and residential gateways. The memory controller supports many memory types, including SDRAM. The CPM (Communications Processing Module) is optimized for CPE applications supporting simultaneous operation of Fast Ethernet (MII) and parallel ATM (UTOPIA), UTOPIA II Multi-PHY (up to 4 addresses), and many more features.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MPC859DSLCVR50A	MPC859DSLCVR50A	B	PBGA 357	50	3.3	66.0	**35.00**	**32.38**
841-MPC859DSLCVR66A	MPC859DSLCVR66A	B	PBGA 357	66	3.3	87.0	**38.94**	**36.02**
841-MPC859DSLVR50A	MPC859DSLVR50A	B	PBGA 357	50	3.3	66.0	**32.40**	**29.97**
841-MPC859DSLVR66A	MPC859DSLVR66A	B	PBGA 357	66	3.3	87.0	**36.06**	**33.36**

MPC885 Family: PowerQUICC™ I Integrated Communications Processor Family

The MPC885 Family includes the MPC870, MPC875, MPC880, and MPC885 processors. These highly integrated PowerQUICC devices are designed to deliver a versatile, single-chip communications processor and peripheral solution that can be used in a variety of controller applications, excelling particularly in communications and networking products. The MPC885 family of processors are engineered to deliver on-chip security, dual Fast Ethernet (MII and RMII) ports, USB, and bus speeds scaling to 80 MHz for higher system throughput.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MPC870CVR133	MPC870CVR133	A	PBGA 256	133	5.0	176.0	**26.94**	**24.92**
841-MPC870CVR66	MPC870CVR66	A	PBGA 256	66	5.0	87.0	**24.42**	**22.59**
841-MPC870VR133	MPC870VR133	A	PBGA 256	133	5.0	176.0	**24.94**	**23.07**
841-MPC870VR66	MPC870VR66	A	PBGA 256	66	5.0	87.0	**22.62**	**20.92**
841-MPC875CVR133	MPC875CVR133	A	PBGA 256	133	5.0	176.0	**37.46**	**34.65**
841-MPC875CVR66	MPC875CVR66	A	PBGA 256	66	5.0	87.0	**33.96**	**31.41**
841-MPC875VR133	MPC875VR133	A	PBGA 256	133	5.0	176.0	**34.68**	**32.08**
841-MPC875VR66	MPC875VR66	A	PBGA 256	66	5.0	87.0	**31.44**	**29.08**
841-MPC880CVR66	MPC880CVR66	A	PBGA 256	66	5.0	87.0	**43.50**	**40.24**
841-MPC880VR133	MPC880VR133	A	PBGA 256	133	5.0	176.0	**44.40**	**41.07**
841-MPC880VR66	MPC880VR66	A	PBGA 256	66	5.0	87.0	**40.28**	**37.26**
841-MPC885CVR133	MPC885CVR133	A	PBGA 256	133	5.0	176.0	**58.44**	**54.06**
841-MPC885CVR66	MPC885CVR66	A	PBGA 256	66	5.0	87.0	**53.02**	**49.04**
841-MPC885VR133	MPC885VR133	A	PBGA 256	133	5.0	176.0	**54.12**	**50.06**
841-MPC885VR66	MPC885VR66	A	PBGA 256	66	5.0	87.0	**49.10**	**45.42**

MPC8272 Family: PowerQUICC II™ Integrated Communications Processor Family

This PowerQUICC II™ processor family contains a PowerPC® core addressing the cost-sensitive needs of a wide variety of networking and communications applications. By offering integrated hardware security, this family is well suited for networking equipment requiring encryption capabilities, such as small and medium enterprise (SME) routers, virtual private network (VPN) and firewall routers, wireless access points, residential gateways and xDSL equipment, as well as imaging, industrial control, and test and measurement equipment.

For quantities 25 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each
841-MPC8247CVRMIBA	MPC8247CVRMIBA	C	PBGA 516	266	3.3	505.4	**45.80**
841-MPC8247CVRPIEA	MPC8247CVRPIEA	C	PBGA 516	300	3.3	570.0	**51.76**
841-MPC8247CVRTIEA	MPC8247CVRTIEA	C	PBGA 516	400	3.3	760.0	**62.12**
841-MPC8247VRMIBA	MPC8247VRMIBA	C	PBGA 516	266	3.3	505.4	**48.14**
841-MPC8247VRPIEA	MPC8247VRPIEA	C	PBGA 516	300	3.3	570.0	**47.06**
841-MPC8247VRTIEA	MPC8247VRTIEA	C	PBGA 516	400	3.3	760.0	**56.46**
841-MPC8248CVRMIBA	MPC8248CVRMIBA	C	PBGA 516	266	3.3	505.4	**55.20**
841-MPC8248CVRPIEA	MPC8248CVRPIEA	C	PBGA 516	300	3.3	570.0	**54.30**
841-MPC8248CVRTIEA	MPC8248CVRTIEA	C	PBGA 516	400	3.3	760.0	**65.16**
841-MPC8248VRMIBA	MPC8248VRMIBA	C	PBGA 516	266	3.3	505.4	**43.68**
841-MPC8248VRPIEA	MPC8248VRPIEA	C	PBGA 516	300	3.3	570.0	**49.36**
841-MPC8248VRTIEA	MPC8248VRTIEA	C	PBGA 516	400	3.3	760.0	**68.06**
841-MPC8270CVRMIBA	MPC8270CVRMIBA	C	PBGA 516	266	3.0	505.4	**82.68**
841-MPC8270CVVQLDA	MPC8270CVVQLDA	C	PBGA 516	333	3.0	632.7	**113.34**
841-MPC8270CVVUPEA	MPC8270CVVUPEA	C	PBGA 516	450	3.0	855.0	**136.00**
841-MPC8270VRMIBA	MPC8270VRMIBA	C	PBGA 516	266	3.0	505.4	**75.16**
841-MPC8270VVQLDA	MPC8270VVQLDA	C	PBGA 516	333	3.0	632.7	**103.04**
841-MPC8270VVUPEA	MPC8270VVUPEA	C	PBGA 516	450	3.0	855.0	**123.64**
841-MPC8271CVRMIBA	MPC8271CVRMIBA	C	PBGA 516	266	3.3	505.4	**52.54**
841-MPC8271CVRPIEA	MPC8271CVRPIEA	C	PBGA 516	300	3.3	570.0	**74.28**
841-MPC8271CVRTIEA	MPC8271CVRTIEA	C	PBGA 516	400	3.3	760.0	**71.24**
841-MPC8271VRMIBA	MPC8271VRMIBA	C	PBGA 516	266	3.3	505.4	**47.76**
841-MPC8271VRPIEA	MPC8271VRPIEA	C	PBGA 516	300	3.3	570.0	**53.98**
841-MPC8271VRTIEA	MPC8271VRTIEA	C	PBGA 516	400	3.3	760.0	**64.76**
841-MPC8272CVRMIBA	MPC8272CVRMIBA	C	PBGA 516	266	3.3	505.4	**54.78**
841-MPC8272CVRPIEA	MPC8272CVRPIEA	C	PBGA 516	300	3.3	570.0	**61.90**
841-MPC8272CVRTIEA	MPC8272CVRTIEA	C	PBGA 516	400	3.3	760.0	**74.28**
841-MPC8272VRMIBA	MPC8272VRMIBA	C	PBGA 516	266	3.3	505.4	**56.30**
841-MPC8272VRPIEA	MPC8272VRPIEA	C	PBGA 516	300	3.3	570.0	**63.62**
841-MPC8272VRTIEA	MPC8272VRTIEA	C	PBGA 516	400	3.3	760.0	**76.36**
841-MPC8275CVRMIBA	MPC8275CVRMIBA	C	PBGA 516	266	3.3	505.4	**110.26**
841-MPC8275VRMIBA	MPC8275VRMIBA	C	PBGA 516	266	3.3	505.4	**100.24**
841-MPC8280CVVQLDA	MPC8280CVVQLDA	D	TBGA 480	333	3.3	632.7	**207.00**
841-MPC8280CVVUPEA	MPC8280CVVUPEA	D	TBGA 480	450	3.3	855.0	**248.40**
841-MPC8280VVQLDA	MPC8280VVQLDA	D	TBGA 480	333	3.3	632.7	**188.20**
841-MPC8275CVRMIBA	MPC8280VVUPEA	D	TBGA 480	450	3.3	855.0	**110.26**

Products may be RoHS compliant.
Check mouser.com for RoHS status.

POWERQUICC™ COMMUNICATIONS PROCESSORS (CONT.)

MPC8241: PowerQUICC™ Integrated Host Processors

The MPC8241 Integrated Host Processor fits applications where cost, space, power consumption, and performance are critical requirements. This device provides a high level of integration, reducing chip count from five discrete chips to one, thereby significantly reducing system component cost. High integration results in a simplified board design, less power consumption, and a faster-time-to-market solution. This cost-effective, general purpose integrated processor targets systems using PCI interfaces in networking infrastructure, telecommunications, and other embedded markets. It can be used for control processing in applications such as routers, switches, network storage applications, and image display systems.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MPC8241TZQ166D	MPC8241TZQ166D	A	TBGA 352	166	3.3	315.4	**39.32**	**36.37**
841-MPC8241LZQ166D	MPC8241LZQ166D	A	TBGA 352	166	3.3	315.4	**30.24**	**27.97**
841-MPC8241TZQ200D	MPC8241TZQ200D	A	TBGA 352	200	3.3	380	**44.32**	**41.00**
841-MPC8241LZQ200D	MPC8241LZQ200D	A	TBGA 352	200	3.3	380	**34.08**	**31.52**
841-MPC8241LZQ266D	MPC8241LZQ266D	A	TBGA 352	266	3.3	266	**42.94**	**39.72**

MPC8245: PowerQUICC™ Integrated Host Processors

The MPC8245 Integrated Host Processor fits applications where cost, space, power consumption, and performance are critical requirements. This device provides a high level of integration, reducing chip count from five discrete chips to one, thereby significantly reducing system component cost. High integration results in a simplified board design, less power consumption, and a faster-time-to-market solution. This cost-effective, general purpose integrated processor targets systems using PCI interfaces in networking infrastructure, telecommunications, and other embedded markets. It can be used for control processing in applications such as routers, switches, network storage applications, and image display systems.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MPC8245LZU266D	MPC8245LZU266D	A	TBGA 352	266	3.3	505.4	**66.76**	**61.75**
841-MPC8245LVV266D	MPC8245LVV266D	A	TBGA 352	266	3.3	505.4	**66.76**	**61.75**
841-MPC8245LZU300D	MPC8245LZU300D	A	TBGA 352	300	3.3	570	**79.40**	**73.45**
841-MPC8245TZU333D	MPC8245TZU333D	A	TBGA 352	333	3.3	632.7	**109.14**	**100.95**
841-MPC8245TZU350D	MPC8245TZU350D	A	TBGA 352	350	3.3	665	**128.52**	**118.88**
841-MPC8245LZU350D	MPC8245LZU350D	A	TBGA 352	350	3.3	665	**81.56**	**76.62**

MC68360: PowerQUICC™ Quad Integrated Communication Controllers

The MC68360 Quad Integrated Communication Controller is a versatile one-chip integrated microprocessor and peripheral combination family that can be used in a variety of controller applications. The MC68360 particularly excels in communications activities. The QUICC can be described as a next-generation MC68302, with higher performance in all areas of device operation, increased flexibility, and higher integration. The term "quad" comes from the fact that there are four serial communications controllers (SCCs) on the device. However, there are actually seven serial channels which include four SCCs, two serial management controllers (SMCs), and one serial peripheral interface (SPI).

For quantities 100 and up, call for quote.

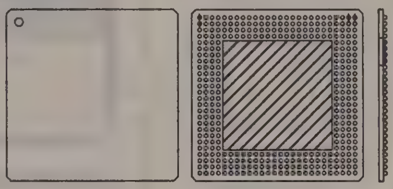
MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MC68EC020AA16	MC68EC020AA16	B	WFP 100	16	5	10	**28.46**	**25.30**
841-MC68340AB25E	MC68340AB25E	C	QFP 144	25	5	4.8	**40.24**	**37.87**

INTEGRATED COLDFIRE® MICROPROCESSORS

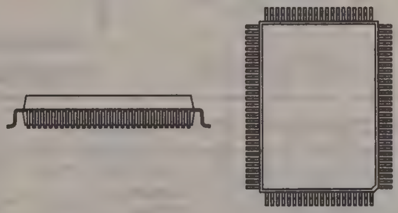
For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Operating Frequency max. (MHz)	Operating Voltage (V)	CPU Perform. (MIPS)	Price Each	
							1	25
841-MCF5272VM66	MCF5272VM66	D	MAPBGA-196	66	3.3	63	**15.52**	**13.89**
841-MCF5272CVM66	MCF5272CVM66	D	MAPBGA-160	66	1.8/3.3	63	**17.73**	**15.86**
841-MCF5249VF140	MCF5249VF140	D	MAPBGA-160	140	3.3	125	**15.28**	**13.67**

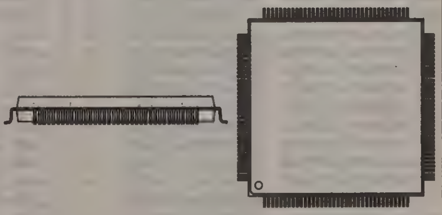
A



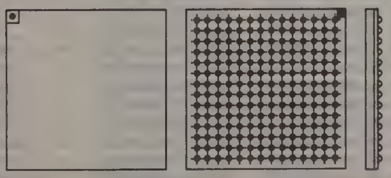
B



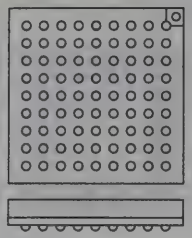
C

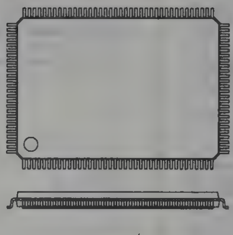


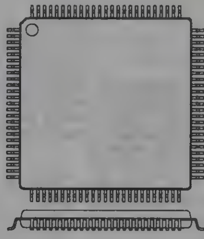
D



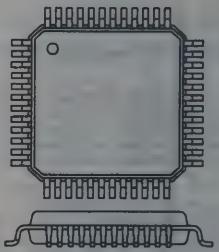
Products may be RoHS compliant.
Check mouser.com for RoHS status.

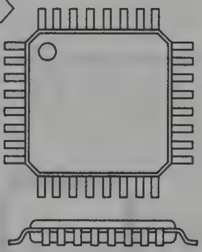
A


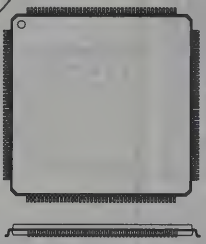
B


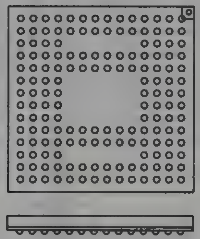
C


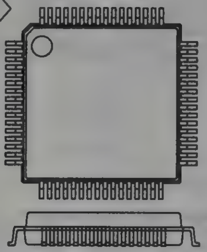
D

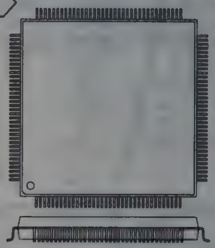
E


F


G


H


I


J


DIGITAL SIGNAL CONTROLLERS

Freescales's 56800E core-based advanced hybrid controllers (DSPs/MCUs) offer blazing DSP performance and the easy-to-use control functionality of microcontrollers.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Performance	Internal Flash (Bytes)	Serial Interface Type	Timers	A/D Converter	I/O Pins	Price Each			
										1	25	100	250
841-DSP56852VFE	DSP56852VFE	A	MAPBGA-81	120Mhz / 120 MIPS	-	SCI,SPI, SSI	4	-	11	7.35	6.13	5.78	5.43
841-DSP56853FGE	DSP56853FGE	B	LQFP-128	120Mhz / 120 MIPS	-	SCI,SPI, SSI	4	-	41	9.81	9.07	8.09	7.21
841-DSP56854FGE	DSP56854FGE	B	LQFP-128	120Mhz / 120 MIPS	-	SCI,SPI, SSI	4	-	41	10.64	9.84	8.77	7.82
841-DSP56855BUE	DSP56855BUE	C	LQFP-100	120Mhz / 120 MIPS	-	SCI, SSI	4	-	18	11.45	10.59	9.44	8.41
841-DSP56857BUE	DSP56857BUE	C	LQFP-100	120Mhz / 120 MIPS	-	SCI,SPI, SSI	4	-	47	12.32	11.39	10.16	9.05
841-DSP56858FVE	DSP56858FVE	D	LQFP-144	120Mhz / 120 MIPS	-	SCI,SPI, SSI	4	-	47	12.98	12.00	10.70	9.54
841-DSP56F827FG80E	DSP56F827FG80E	B	LQFP-128	80 MHz / 40 MIPS	126000	SCI,SPI, SSI	4	12-bit / 10-ch	64	15.99	14.58	13.74	12.50
841-MC56F8011VFAE	MC56F8011VFAE	F	LQFP 32	32 MHz / 32 MIPS	12000	SCI, SPI, I2C	4	12-bit / 6-ch	26	4.60	3.83	3.61	3.39
841-MC56F8013VFAE	MC56F8013VFAE	F	LQFP-32	32 MHz / 32 MMACS	16000	SCI, SPI, I2C, LIN	4	12-bit / 6-ch	26	4.96	4.13	3.89	3.66
841-MC56F8014VFAE	MC56F8014VFAE	F	LQFP-32	32 MHz / 32 MMACS	16000	SCI, SPI, I2C, LIN	4	12-bit / 8-ch	26	4.96	4.13	3.89	3.66
841-MC56F8122VFAE	MC56F8122VFAE	E	LQFP-48	40 MHz / 40 MMACS	32000	SCI, SPI	8	12-bit / 6-ch	21	6.91	5.76	5.43	5.10
841-MC56F8123VFBE	MC56F8123VFBE	I	LQFP-64	40 MHz / 40 MMACS	32000	SCI, SPI	8	12-bit / 8-ch	27	7.14	5.95	5.61	5.27
841-MC56F8135VFGE	MC56F8135VFGE	B	LQFP 128	40 MHz / 40 MMACS	139264	SCI, SPI	8	12-bit / 16-ch	49	10.02	8.35	7.87	7.39
841-MC56F8145VFGE	MC56F8145VFGE	B	LQFP-128	40 MHz / 40 MMACS	139264	SCI, SPI	8	12-bit / 16-ch	49	10.64	9.84	8.77	7.82
841-MC56F8146VFVE	MC56F8146VFVE	J	LQFP-144	40 MHz / 40 MMACS	139264	SCI, SPI	8	12-bit / 16-ch	62	10.73	9.92	8.85	7.88
841-MC56F8147VPYE	MC56F8147VPYE	G	LQFP-160	48 MHz / 40 MMACS	139264	SCI, SPI	8	12-bit / 16-ch	76	11.39	10.53	9.39	8.37
841-MC56F8147VVFE	MC56F8147VVFE	H	MAPBGA 160	40 MHz / 40 MMACS	139264	SCI, SPI	8	12-bit / 16-ch	76	10.92	9.96	9.39	8.82
841-MC56F8155VFGE	MC56F8155VFGE	B	LQFP-128	40 MHz / 40 MMACS	256000	SCI, SPI	8	12-bit / 16-ch	49	13.56	12.36	11.65	10.59
841-MC56F8156VFVE	MC56F8156VFVE	J	LQFP-144	40 MHz / 40 MMACS	256000	SCI, SPI	8	12-bit / 16-ch	62	13.65	12.44	11.73	10.67
841-MC56F8157VPYE	MC56F8157VPYE	G	LQFP-160	40 MHz / 40 MMACS	256000	SCI, SPI	8	12-bit / 16-ch	76	14.69	13.39	12.62	11.48
841-MC56F8157VVFE	MC56F8157VVFE	H	MAPBGA 160	40 MHz / 40 MMACS	256000	SCI, SPI	8	12-bit / 16-ch	76	14.69	13.39	12.62	11.48
841-MC56F8165VFGE	MC56F8165VFGE	B	LQFP-128	40 MHz / 40 MMACS	512000	SCI, SPI	8	12-bit / 16-ch	49	17.82	16.29	15.78	15.27
841-MC56F8166VFVE	MC56F8166VFVE	J	LQFP-144	40 MHz / 40 MMACS	512000	SCI, SPI	8	12-bit / 16-ch	62	17.94	16.40	15.89	15.38
841-MC56F8167VPYE	MC56F8167VPYE	G	LQFP-160	40 MHz / 40 MMACS	512000	SCI, SPI	8	12-bit / 16-ch	76	18.73	17.12	16.59	16.05
841-MC56F8167VVFE	MC56F8167VVFE	H	MAPBGA 160	40 MHz / 40 MMACS	512000	SCI, SPI	8	12-bit / 16-ch	76	18.73	17.12	16.59	16.05
841-MC56F8322MFAE	MC56F8322MFAE	E	LQFP-48	40 MHz / 40 MMACS	512000	FlexCAN, SCI, SPI	8	12-bit / 6-ch	76	9.78	9.05	8.07	7.19
841-MC56F8322VFAE	MC56F8322VFAE	E	LQFP 48	60 MHz / 60 MMACS	49152	SCI, SPI, CAN	8	12-bit / 6-ch	21	8.76	7.30	6.88	6.46
841-MC56F8323VFBE	MC56F8323VFBE	I	LQFP-64	60 MHz / 60 MMACS	49152	FlexCAN, SCI, SPI	8	12-bit / 8-ch	27	9.16	7.56	6.57	6.47
841-MC56F8323MFBE	MC56F8323MFBE	I	LQFP-64	60 MHz / 60 MMACS	49152	FlexCAN, SCI, SPI	8	12-bit / 8-ch	27	10.07	9.31	8.30	7.40
841-MC56F8335MFGE	MC56F8335MFGE	B	LQFP-128	60 MHz / 60 MMACS	139264	FlexCAN, SCI, SPI	16	12-bit / 16-ch	49	13.96	12.72	12.00	10.91
841-MC56F8335VFGE	MC56F8335VFGE	B	LQFP 128	60 MHz / 60 MMACS	139264	SCI, SPI, CAN	16	12-bit / 16-ch	49	11.73	10.69	10.08	9.47
841-MC56F8345MFGE	MC56F8345MFGE	B	LQFP-128	60 MHz / 60 MMACS	139264	FlexCAN, SCI, SPI	16	12-bit / 16-ch	49	15.61	14.23	13.41	12.20
841-MC56F8345VFGE	MC56F8345VFGE	B	LQFP-128	60 MHz / 60 MMACS	139264	FlexCAN, SCI, SPI	16	12-bit / 16-ch	49	13.15	11.95	10.38	10.23
841-MC56F8346MFVE	MC56F8346MFVE	J	LQFP-144	60 MHz / 60 MMACS	139264	FlexCAN, SCI, SPI	16	12-bit / 16-ch	62	19.11	17.47	16.93	16.38
841-MC56F8346VFVE	MC56F8346VFVE	J	LQFP-144	60 MHz / 60 MMACS	139264	FlexCAN, SCI, SPI	16	12-bit / 16-ch	62	13.21	12.04	11.35	10.32
841-MC56F8347MPYE	MC56F8347MPYE	G	LQFP-160	60 MHz / 60 MMACS	139264	FlexCAN, SCI, SPI	16	12-bit / 16-ch	76	17.09	15.58	14.69	13.35
841-MC56F8347VPYE	MC56F8347VPYE	G	LQFP 160	60 MHz / 60 MMACS	128000	SCI, SPI, CAN	16	12-bit / 16-ch	76	14.04	12.79	12.06	10.97
841-MC56F8347VVFE	MC56F8347VVFE	H	MAPBGA 160	60 MHz / 60 MMACS	139264	SCI, SPI, CAN	16	12-bit / 16-ch	76	14.04	12.79	12.06	10.97
841-MC56F8355MFGE	MC56F8355MFGE	B	LQFP-128	60 MHz / 60 MMACS	256000	FlexCAN, SCI, SPI	16	12-bit / 16-ch	49	18.38	16.80	16.28	15.75
841-MC56F8355VFGE	MC56F8355VFGE	B	LQFP 128	60 MHz / 60 MMACS	256000	SCI, SPI, CAN	16	12-bit / 16-ch	49	17.34	15.80	14.90	13.55
841-MC56F8356MFVE	MC56F8356MFVE	J	LQFP-144	60 MHz / 60 MMACS	256000	FlexCAN, SCI, SPI	16	12-bit / 16-ch	62	18.62	17.02	16.49	15.96
841-MC56F8356VFVE	MC56F8356VFVE	J	LQFP-144	60 MHz / 60 MMACS	256000	FlexCAN, SCI, SPI	16	12-bit / 16-ch	62	17.45	15.91	15.00	13.64
841-MC56F8357MPYE	MC56F8357MPYE	G	LQFP-160	60 MHz / 60 MMACS	256000	FlexCAN, SCI, SPI	16	12-bit / 16-ch	76	19.93	18.22	17.65	17.09
841-MC56F8357VPYE	MC56F8357VPYE	G	LQFP 160	60 MHz / 60 MMACS	256000	SCI, SPI, CAN	16	12-bit / 16-ch	76	18.78	17.12	16.14	14.67
841-MC56F8357VVFE	MC56F8357VVFE	H	MAPBGA 160	60 MHz / 60 MMACS	256000	SCI, SPI, CAN	16	12-bit / 16-ch	76	18.78	17.12	16.14	14.67
841-MC56F8365MFGE	MC56F8365MFGE	B	LQFP-128	60 MHz / 60 MMACS	512000	FlexCAN, SCI, SPI	16	12-bit / 16-ch	49	25.36	23.18	22.46	21.74
841-MC56F8365VFGE	MC56F8365VFGE	B	LQFP 128	60 MHz / 60 MMACS	512000	SCI, SPI, CAN	16	12-bit / 16-ch	49	22.30	20.38	19.75	19.11
841-MC56F8366MFVE	MC56F8366MFVE	J	LQFP-144	60 MHz / 60 MMACS	512000	FlexCAN, SCI, SPI	16	12-bit / 16-ch	62	25.64	23.44	22.71	21.98
841-MC56F8366VFVE	MC56F8366VFVE	D	LQFP 144	60 MHz / 60 MMACS	512000	SCI, SPI, CAN	16	12-bit / 16-ch	62	22.44	20.51	19.87	19.23
841-MC56F8367MPYE	MC56F8367MPYE	G	LQFP-160	60 MHz / 60 MMACS	512000	FlexCAN, SCI, SPI	16	12-bit / 16-ch	76	27.11	24.78	24.01	23.24
841-MC56F8367VPYE	MC56F8367VPYE	G	LQFP 160	60 MHz / 60 MMACS	512000	SCI, SPI, CAN	16	12-bit / 16-ch	76	23.43	21.42	20.75	20.09
841-MC56F8367VVFE	MC56F8367VVFE	H	MAPBGA 160	60 MHz / 60 MMACS	512000	SCI, SPI, CAN	16	12-bit / 16-ch	76	23.43	21.42	20.75	20.09

FREESCALE 8-Bit Microcontrollers

freescale™
semiconductor

RS08 - REDUCED INSTRUCTION SET S08 CORE MICROCONTROLLERS

The RS08 core is a reduced version of the S08 central processing unit (CPU) that has been specifically designed for small pin-count devices with under 16KB memory. Thirty percent smaller than the S08 CPU, it is more efficient and cost-effective for simple electro-mechanical devices that are migrating to fully solid-state electronic operation or portable devices that have evolved into smaller or even disposable versions.

◆Surface Mount Device

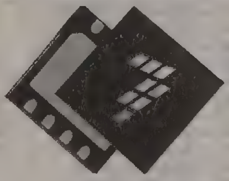
For quantities 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Timer Channels	Bus Frequency (MHz)	Supply Current (Max.)	I/O Pins	Operating Temperature	Price Each			
Mfr.	Mfr. Part No.										1	25	50	100
◆ 841	MC9RS08KA1CDB	DEMO9RS08KA2	QFN-D 6	63	1k	1	10	5600 mA	2	-40 - 85°C	.62	.45	.43	.39
841	MC9RS08KA1CPC	DEMO9RS08KA2	PDIP 8	63	1k	1	10	5600 mA	4	-40 - 85°C	.73	.52	.49	.45
◆ 841	MC9RS08KA1CSC	DEMO9RS08KA2	SOIC 8	63	1k	1	10	5600 mA	4	-40 - 85°C	.65	.47	.44	.40
◆ 841	MC9RS08KA2CDB	DEMO9RS08KA2	QFN-D 6	63	2k	1	10	5600 mA	2	-40 - 85°C	.75	.54	.51	.47
841	MC9RS08KA2CPC	DEMO9RS08KA2	PDIP 8	63	2k	1	10	5600 mA	4	-40 - 85°C	.88	.63	.60	.54
◆ 841	MC9RS08KA2CSC	DEMO9RS08KA2	SOIC 8	63	2k	1	10	5600 mA	4	-40 - 85°C	.80	.58	.54	.50

HCS08 - CORE MICROCONTROLLERS

High-performance and low power, the HCS08 does not sacrifice performance to provide low power 1.8 V operation.
HCS08 Features - Multiple power management modes, including a 20 nanoamp (nA) power-down mode

- A zero-component auto-wakeup from "stop" to help reduce costs and reduce power to 0.7 microamp (uA) - Up to 40 MHz CPU/20 MHz bus at 2.1 V and 16 MHz CPU/8 MHz bus at 1.8 V
- A programmable internal clock generator with temperature and voltage compensation (typical drift < 2%) designed for reliable communications, fast start up and reduced system cost
- In-application reprogramming and data storage via third-generation 0.25μ flash technology
- High integration including four serial communication ports, up to 8 timer/PWMs, and an 8-channel 10-bit analog-to-digital converter specified down to 1.8 V.



◆Surface Mount Device

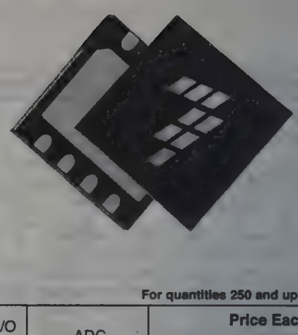
For quantities 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Serial Interface Type	Timer Channels	Bus Freq. (MHz)	Supply Voltage (V) (Max.)	I/O Pins	ADC	Price Each			
Mfr.	Mfr. Part No.											1	25	50	100
◆ 841	MC9S08AW16CFDE	DEMO9S08AW60E	QFN 48	1k	16k	I2C, SCI, SPI	4, 2	20	5.5	38	10-bit / 12-ch	3.85	2.77	2.62	2.31
◆ 841	MC9S08AW16CFGE	DEMO9S08AW60E	LQFP 44	1k	16k	I2C, SCI, SPI	4, 2	20	5.5	34	10-bit / 8-ch	3.65	2.63	2.48	2.19
◆ 841	MC9S08AW16CFUE	DEMO9S08AW60E	QFP 64	1k	16k	I2C, SCI, SPI	4, 2	20	5.5	54	10-bit / 16-ch	4.13	2.97	2.81	2.48
◆ 841	MC9S08AW16CPUE	DEMO9S08AW60E	LQFP 64	1k	16k	I2C, SCI, SPI	4, 2	20	5.5	54	10-bit / 16-ch	4.13	2.97	2.81	2.48
◆ 841	MC9S08AW16MFDE	DEMO9S08AW60E	QFN 48	1k	16k	I2C, SCI, SPI	4, 2	20	5.5	38	10-bit / 12-ch	4.25	3.06	2.89	2.55
◆ 841	MC9S08AW16MFGE	DEMO9S08AW60E	LQFP 44	1k	16k	I2C, SCI, SPI	4, 2	20	5.5	34	10-bit / 8-ch	4.03	2.90	2.74	2.42
◆ 841	MC9S08AW16MFUE	DEMO9S08AW60E	QFP 64	1000	16000	SPI, SCI, I2C	4, 2	20	5.5	54	10-bit / 16-ch	4.55	3.28	3.09	2.73
◆ 841	MC9S08AW32CFDE	DEMO9S08AW60E	QFN 48	2k	32k	I2C, SCI, SPI	4, 2	20	5.5	38	10-bit / 12-ch	4.13	2.97	2.81	2.48
◆ 841	MC9S08AW32CFGE	DEMO9S08AW60E	LQFP 44	2k	32k	I2C, SCI, SPI	4, 2	20	5.5	34	10-bit / 8-ch	3.95	2.84	2.69	2.37
◆ 841	MC9S08AW32CFUE	DEMO9S08AW60E	QFP 64	2k	32k	I2C, SCI, SPI	4, 2	20	5.5	54	10-bit / 16-ch	4.40	3.17	2.99	2.64
◆ 841	MC9S08AW32CPUE	DEMO9S08AW60E	LQFP 64	2k	32k	I2C, SCI, SPI	4, 2	20	5.5	54	10-bit / 16-ch	4.40	3.17	2.99	2.64
◆ 841	MC9S08AW48CFDE	DEMO9S08AW60E	QFN 48	2k	48k	I2C, SCI, SPI	6, 2	20	5.5	38	10-bit / 16-ch	4.93	3.55	3.35	3.45
◆ 841	MC9S08AW48CFGE	DEMO9S08AW60E	LQFP 44	2k	48k	I2C, SCI, SPI	6, 2	20	5.5	34	10-bit / 16-ch	4.75	3.42	3.23	3.33
◆ 841	MC9S08AW48CFUE	DEMO9S08AW60E	QFP 64	2k	48k	I2C, SCI, SPI	6, 2	20	5.5	54	10-bit / 16-ch	5.23	3.76	3.55	3.66
◆ 841	MC9S08AW48CPUE	DEMO9S08AW60E	LQFP 64	2k	49152	I2C, SCI, SPI	6, 2	20	5.5	54	10-bit / 8-ch	5.23	3.76	3.55	3.66
◆ 841	MC9S08AW60CFDE	DEMO9S08AW60E	QFN 48	2048	60k	I2C, SCI, SPI	6, 2	20	5.5	38	10-bit / 12-ch	5.35	3.85	3.64	3.75
◆ 841	MC9S08AW60CFGE	DEMO9S08AW60E	LQFP 44	2k	60k	I2C, SCI, SPI	6, 2	20	5.5	34	10-bit / 8-ch	5.15	3.71	3.50	3.61
◆ 841	MC9S08AW60CFUE	DEMO9S08AW60E	QFP 64	2k	60k	I2C, SCI, SPI	6, 2	20	5.5	54	10-bit / 16-ch	5.63	4.05	3.83	3.94
◆ 841	MC9S08AW60CPUE	DEMO9S08AW60E	LQFP 64	2k	60k	I2C, SCI, SPI	6, 2	20	5.5	54	10-bit / 16-ch	5.63	4.05	3.83	3.94
◆ 841	MC9S08AW60MFDE	DEMO9S08AW60E	QFN 48	2k	60k	I2C, SCI, SPI	6, 2	20	5.5	38	10-bit / 12-ch	5.90	4.25	4.01	4.13
◆ 841	MC9S08AW60MFGE	DEMO9S08AW60E	LQFP 44	2k	60k	I2C, SCI, SPI	6, 2	20	5.5	34	10-bit / 8-ch	5.68	4.09	3.86	3.97
◆ 841	MC9S08AW60MFUE	DEMO9S08AW60E	QFP 64	2k	60k	I2C, SCI, SPI	6, 2	20	5.5	54	10-bit / 16-ch	6.20	4.46	4.22	4.34
◆ 841	MC9S08GB32ACFUE	M68DEMO908GB60E	LQFP 64	2k	32k	I2C, SCI, SPI	3, 5	20	3.6	56	10-bit / 8-ch	5.53	3.98	3.76	3.87
◆ 841	MC9S08GB60ACFUE	M68DEMO908GB60E	LQFP 64	4096	61440	I2C, SCI, SPI	3, 5	20	3.6	56	10-bit / 8-ch	7.40	5.33	5.03	5.18
841	MC9S08GT8ACBE	M68DEMO908GB60E	PSDIP 42	1024	8000	IRSCI, SPI, I2C	4, 2	20	1.8	34	10-bit / 8-ch	2.63	1.89	1.79	1.58
◆ 841	MC9S08GT8ACFBE	M68DEMO908GB60E	QFP 44	1024	8000	IRSCI, SPI, I2C	4, 2	20	1.8	36	10-bit / 8-ch	2.63	1.89	1.79	1.58
◆ 841	MC9S08GT8ACFCE	M68DEMO908GB60E	QFN 32	1024	8000	IRSCI, SPI, I2C	4, 2	20	1.8	24	10-bit / 4-ch	2.63	1.89	1.79	1.58
◆ 841	MC9S08GT8ACFDE	M68DEMO908GB60E	QFN 48	1024	8000	IRSCI, SPI, I2C	4, 2	20	1.8	39	10-bit / 8-ch	2.73	1.96	1.85	1.64
◆ 841	MC9S08GT8AMFBE	M68DEMO908GB60E	QFP 44	1024	8000	IRSCI, SPI, I2C	4, 2	20	1.8	36	10-bit / 8-ch	2.90	2.09	1.97	1.74
◆ 841	MC9S08GT8AMFCE	M68DEMO908GB60E	QFN 32	1024	8000	IRSCI, SPI, I2C	4, 2	20	1.8	24	10-bit / 4-ch	2.90	2.09	1.97	1.74
◆ 841	MC9S08GT8AMFDE	M68DEMO908GB60E	QFN 48	1024	8000	IRSCI, SPI, I2C	4, 2	20	1.8	39	10-bit / 8-ch	2.98	2.14	2.02	1.79
841	MC9S08GT16ACBE	M68DEMO908GB60E	PSDIP 42	2024	16000	IRSCI, SPI, I2C	4, 2	20	1.8	34	10-bit / 8-ch	3.20	2.30	2.18	2.05
841	MC9S08GT16ACFBE	M68DEMO908GB60E	QFP 44	2024	16000	IRSCI, SPI, I2C	4, 2	20	1.8	36	10-bit / 8-ch	3.20	2.30	2.18	2.05
◆ 841	MC9S08GT16ACFCE	M68DEMO908GB60E	QFN 32	2024	16000	IRSCI, SPI, I2C	4, 2	20	1.8	24	10-bit / 4-ch	3.20	2.30	2.18	2.05
◆ 841	MC9S08GT16ACFDE	M68DEMO908GB60E	QFN 48	2024	16000	IRSCI, SPI, I2C	4, 2	20	1.8	39	10-bit / 8-ch	3.28	2.36	2.23	2.10
◆ 841	MC9S08GT16AMFBE	M68DEMO908GB60E	QFP 44	2024	16000	IRSCI, SPI, I2C	4, 2	20	1.8	36	10-bit / 8-ch	3.50	2.52	2.38	2.24
◆ 841	MC9S08GT16AMFCE	M68DEMO908GB60E	QFN 32	2024	16000	IRSCI, SPI, I2C	4, 2	20	1.8	24	10-bit / 4-ch	3.50	2.52	2.38	2.24
◆ 841	MC9S08GT16AMFDE	M68DEMO908GB60E	QFN 48	2024	16000	IRSCI, SPI, I2C	4, 2	20	1.8	39	10-bit / 8-ch	3.60	2.59	2.45	2.30
◆ 841	MC9S08GT32ACFBE	M68DEMO908GB60E	QFP 44	2k	32k	I2C, SCI, SPI	2, 2	20	3.6	36	10-bit / 8-ch	4.98	3.58	3.38	3.18
◆ 841	MC9S08GT32ACFDE	M68DEMO908GB60E	QFN 48	2k	32k	I2C, SCI, SPI	2, 2	20	3.6	39	10-bit / 8-ch	5.15	3.71	3.50	3.61
◆ 841	MC9S08GT60ACFBE	M68DEMO908GB60E	QFP 44	4k	60k	I2C, SCI, SPI	2, 2	20	3.6	36	10-bit / 8-ch	6.85	4.93	4.66	4.80
◆ 841	MC9S08GT60ACFDE	M68DEMO908GB60E	QFN 48	4k	60k	I2C, SCI, SPI	3, 2	20	3.6	39	10-bit / 8-ch	7.03	5.06	4.78	4.92
◆ 841	MC9S08LC36LK	DEMO9S08LC60	LQFP 80	2500	36000	I2C, SCI, SPI	2	20	3.6	23	12-bit / 8-ch	6.80	4.90	4.62	4.35
◆ 841	MC9S08LC60LK	DEMO9S08LC60	LQFP 80	4000	60000	I2C, SCI, SPI	2	20	3.6	24	12-bit / 8-ch	6.84	5.41	5.25	5.09
841	MC9S08QD4CPC	DEMO9S08QD4	PDIP 8	256	4000	-	1, 2	8	5.5	4	10-bit / 4-ch	1.35	.97	.92	.86
◆ 841	MC9S08QD4CSC	DEMO9S08QD4	SOIC 8	256	4000	-	1, 2	8	5.5	4	10-bit / 4-ch	1.33	.95	.90	.85
841	MC9S08QD4VPC	DEMO9S08QD4	PDIP 8	256	4000	-	2, 1	8	5.5	4	16-bit / 4-ch	1.48	1.06	1.00	.94
◆ 841	MC9S08QD4VSC	DEMO9S08QD4	SOIC 8	256	4000	IRSCI, SPI, I2C	4, 2	8	5.5	4	16-bit / 4-ch	1.43	1.03	.97	.91
◆ 841	MC9S08QG4CDNE	DEMO9S08QG8E	SOIC 8	256	4k	IIC	2, 0	10	3.6	6	10-bit / 4-ch	1.75	1.26	1.19	1.12
◆ 841	MC9S08QG4CDTE	DEMO9S08QG8E	TSSOP 16	256	4k	IIC, SCI, SPI	2, 0	10	3.6	14	10-bit / 8-ch	1.98	1.42	1.34	1.26
◆ 841	MC9S08QG4CFFE	DEMO9S08QG8E	QFN 16	256	4k	I2C, SCI, SPI	2, 0	10	3.6	14	10-bit / 8-ch	2.00	1.44	1.36	1.28
◆ 841	MC9S08QG4CFQE	DEMO9S08QG8E	QFN-D 8	256	4k	IIC	2, 0	10	3.6	6	10-bit / 4-ch	1.80	1.30	1.22	1.15
841	MC9S08QG4CPAE	DEMO9S08QG8E	PDIP 8	256	4k	IIC	2, 0	10	3.6	6	10-bit / 4-ch	1.68	1.21	1.14	1.07
◆ 841	MC9S08QG8CDNE	DEMO9S08QG8E	SOIC 8	512	8k	I2C, SCI, SPI	2, 0	10	3.6	6	10-bit / 4-ch	1.85	1.33	1.26	1.18
◆ 841	MC9S08QG8CDTE	DEMO9S08QG8E	TSSOP 16	512	8k	I2C, SCI, SPI	2, 0	10	3.6	6	10-bit / 4-ch	2.13	1.53	1.45	1.36
◆ 841	MC9S08QG8CFFE	DEMO9S08QG8E	QFN 16	512	8k	I2C, SCI, SPI	2, 0	10	3.6	14	10-bit / 8-ch	2.15	1.55	1.46	1.38
◆ 841	MC9S08QG8CFQE	DEMO9S08QG8E	QFN-D 8	512	8k	I2C, SCI, SPI	2, 0	10	3.6	6	10-bit / 4-ch	1.93	1.39	1.31	1.23
841	MC9S08QG8CPBE	DEMO9S08QG8E	PDIP 16	513	8k	I2C, SCI, SPI	2, 0	10	3.6	14	10-bit / 8-ch	2.03	1.46	1.38	1.30

FREESCALE 8-Bit Microcontrollers

freescale™
semiconductor

HC08 CORE MICROCONTROLLERS



Freescale's HC08 Family of 8-bit microcontrollers are small, general purpose, low-power and feature rich. The HC08 Core products are highly integrated, general purpose devices with ADC, analog comparator, multiple communications options, timers, and on-chip ICE.

From a basic bare-bones controller in a tiny 8-pin quad flat non-leaded (QFN) package to feature-rich silicon in a 64-lead quad flat package (QFP), the HC08 MCU is an industry workhorse that can flaunt an impressive array of peripherals.

Here's just a sampling:

- 8- or 10-bit analog-to-digital converters (ADCs)
- Multichannel timers
- A wide variety of communications protocol support, including universal serial bus (USB), controller area network (CAN), local interconnect network (LIN), J1850 and radio frequency (RF)

◆ **Surface Mount Device**

For quantities 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Serial Interface Type	Timer Channels	Bus Freq. (MHz)	Supply Voltage (V) (Max.)	I/O Pins	ADC	Price Each			
Mfr.	Mfr. Part No.											1	25	50	100
◆ 841	MC908AZ32ACFUE	-------	QFP 64	1k	32k	SCI, SPI, CAN	2, 6	8	5.5	52	-------	9.59	7.58	7.36	7.14
◆ 841	MC908EY8ACFJE	-------	LQFP 32	256	8000	SPI, SCI	2	8	5.5	24	10-bit / 8-ch	4.70	3.38	3.20	3.29
◆ 841	MC908EY8AMFJE	-------	LQFP 32	256	8000	SPI, SCI	2	8	5.5	24	10-bit / 8-ch	5.15	3.71	3.50	3.61
◆ 841	MC908EY16ACFJE	-------	LQFP 32	512	16000	SPI, SCI	2	8	5.5	24	10-bit / 8-ch	7.40	5.33	5.03	4.74
◆ 841	MC908EY16AMFJE	-------	LQFP 32	512	16000	SPI, SCI	2	8	5.5	24	10-bit / 8-ch	7.01	5.54	5.38	5.22
◆ 841	MC68HC908GR4CFAE	DEMO908GZ60E	LQFP 32	1k	4k	SPI, ESCI	2, 1	8	5.5	21	8-bit / 6-ch	5.63	4.05	3.83	2.54
841	MC908GR4CPE	DEMO908GZ60E	PDIP 28	384	4k	SPI, ESCI	2, 1	8	5.5	17	8-bit / 4-ch	5.63	4.05	3.83	2.70
841	MC908GR8CPE	DEMO908GZ60E	PDIP 28	384	8k	SPI, ESCI	2, 1	8	5.5	17	8-bit / 4-ch	7.10	5.61	5.45	4.34
◆ 841	MC908GT8CFBE	DEMO908GZ60E	QFP 44	512	8000	IRSCI, SPI, I2C	4, 2	8	5.5	36	8-bit / 8-ch	7.53	5.95	5.78	4.21
841	MC908GT16CBE	-------	PSDIP 42	512	16k	SPI, SCI	2	8	5	36	8-bit / 8-ch	9.68	7.65	7.43	5.41
◆ 841	MC908GT16CFBE	-------	QFP 44	512	16k	SPI, SCI	2, 2	8	5	36	8-bit / 8-ch	9.68	7.65	7.43	5.41
◆ 841	MC68908GZ8CFAE	-------	LQFP 48	1k	8k	SPI, SCI, CAN	2, 2	8	5.5	37	10-bit / 16-ch	6.75	4.86	4.59	4.32
◆ 841	MC68908GZ8CFJE	-------	LQFP 32	1k	8k	SPI, SCI, CAN	2, 1	8	5.5	21	10-bit / 10-ch	6.75	4.86	4.59	4.32
◆ 841	MC68908GZ8MFAE	-------	LQFP 48	1k	8k	SPI, SCI, CAN	2, 2	8	5.5	37	10-bit / 16-ch	7.43	5.35	5.05	4.46
◆ 841	MC908GZ16CFAE	-------	LQFP 48	1k	16k	SPI, SCI, CAN	2, 2	8	5.5	37	10-bit / 16-ch	6.77	5.36	5.20	5.04
◆ 841	MC908GZ32CFAE	DEMO908GZ60E	LQFP 48	1500	32000	CAN, SPI, SCI	2	8	5.5	37	10-bit / 8-ch	7.27	5.75	5.58	5.41
◆ 841	MC908GZ32VFUE	DEMO908GZ60E	QFP 64	1536	32768	SPI, SCI, CAN	2, 6	8	5.5	53	10-bit / 20-ch	7.63	6.04	5.86	5.68
◆ 841	MC908GZ60CFAE	DEMO908GZ60E	LQFP 48	2k	60k	SPI, SCI, CAN	2, 2	8	5.5	37	10-bit / 8-ch	8.88	7.02	6.82	6.61
◆ 841	MC908GZ60CFUE	DEMO908GZ60E	QFP 64	2k	60k	SPI, SCI, CAN	2, 6	8	5.5	53	10-bit / 20-ch	9.16	7.24	7.03	6.82
841	MC68HC908JB8JPE	-------	PDIP 20	256	8192	USB 1.1	1	3	5.25	13	-------	2.83	2.03	1.92	1.70
◆ 841	MC908JB8ADWE	-------	SOIC 28W	256	8192	USB 1.1	1	3	5.25	21	-------	2.78	2.00	1.89	1.67
◆ 841	MC908JB8FBE	-------	QFP 44	256	8192	USB 1.1	1	3	5.25	37	-------	3.20	2.30	2.18	1.92
◆ 841	MC908JB8JDWE	-------	SOIC 20	256	8000	SPI, SCI	2	3	5.5	13	-------	2.75	1.98	1.87	1.65
◆ 841	MC908JB16DWE	-------	SOIC 28W	384	16384	USB 1.1	2	6	---	21	-------	3.43	2.47	2.33	2.19
◆ 841	MC908JB16FAE	-------	LQFP 32	384	16384	USB 1.1	2	6	---	21	-------	3.45	2.48	2.35	2.07
◆ 841	MC68HC908JL8CSPE	DEMO908JL16	PSDIP 32	256	8192	SCI	2	8	5	26	8-bit / 12-ch	6.10	4.39	4.15	4.27
841	MCHC908JK1ECPE	DEMO908JL16	PDIP 20	128	1536	------	2	8	---	14	8-bit / 10-ch	2.35	1.69	1.60	1.46
◆ 841	MC908JK8CDWE	DEMO908JL16	SOIC 20W	256	8000	SCI	2	8	5	15	8-bit / 10-ch	5.15	3.71	3.50	3.30
◆ 841	MC908JL3ECDWE	DEMO908JL16	SOIC 28W	128	4096	------	2	8	5	23	8-bit / 12-ch	3.95	2.84	2.69	2.37
841	MC908JL3ECPE	DEMO908JL16	PDIP 28	128	4096	------	2	8	5	23	8-bit / 12-ch	3.95	2.84	2.69	2.37
◆ 841	MC908JL8CDWE	DEMO908JL16	SOIC 28W	256	8192	SCI	2	8	5	23	8-bit / 12-ch	5.53	3.98	3.76	3.87
◆ 841	MC908JL8CPE	DEMO908JL16	PDIP 28	256	8000	SPI, SCI	2	8	5	23	8-bit / 12-ch	5.53	3.98	3.76	3.87
◆ 841	MC908JL16CDWE	DEMO908JL16	SOIC 28W	512	16384	SCI, I2C	2	8	5	23	10-bit / 12-ch	4.03	2.90	2.74	1.82
841	MC908JL16CFJE	DEMO908JL16	LQFP 32	512	16384	SCI, I2C	2	8	5	23	10-bit / 12-ch	4.15	2.99	2.82	1.88
841	MC908JL16CPE	DEMO908JL16	PDIP 28	512	16384	SCI, I2C	2	8	5	23	10-bit / 12-ch	4.30	3.10	2.92	2.19
841	MC908JL16CSPE	DEMO908JL16	PSDIP 32	512	16384	SCI, I2C	2	8	5	26	10-bit / 13-ch	4.43	3.19	3.01	2.26
841	MCHC908JK3ECPE	DEMO908JL16	PDIP 20	128	4096	------	2	8	5	15	8-bit / 12-ch	3.10	2.23	2.11	1.86
◆ 841	MC908LJ12CFBE	-------	LQFP 52	512	12000	IRSCI, SPI	2	8	3.3	20	10-bit / 4-ch	6.73	5.32	5.17	5.01
◆ 841	MC68HC98LJ12CFUE	-------	QFP 64	512	12000	IRSCI, SPI	2	8	5.5	32	10-bit / 6-ch	6.73	5.32	5.17	4.70
◆ 841	MC908LJ12CPBE	-------	LQFP 64	512	12288	SCI, SPI	2	8	3.3	32	10-bit / 6-ch	6.73	5.32	5.17	4.60
◆ 841	MC908LJ24CFQE	-------	QFP 80	768	24576	IIC, SCI, SPI	2	8	5	40	10-bit / 6-ch	8.39	6.63	6.44	6.24
◆ 841	MC908LJ24CFUE	-------	QFP 64	768	24576	IIC, SCI, SPI	2	8	5	40	10-bit / 6-ch	7.91	6.26	6.07	5.89
◆ 841	MC908LJ24CPBE	-------	LQFP 64	768	24000	SPI, SCI, I2C	2	8	---	---	10-bit / 6-ch	7.91	6.26	6.07	5.89
◆ 841	MC908LK24CFUE	-------	QFP 64	768	24576	IIC, SCI, SPI	2	8	5	40	10-bit / 6-ch	7.42	5.87	5.69	5.52
◆ 841	MCHC908LK24CFQE	-------	QFP 80	768	24576	IIC, SCI, SPI	2	8	5	40	10-bit / 6-ch	7.91	6.26	6.07	5.89
841	MC908MR8CPE	-------	PDIP 28	256	8000	SCI	2	8	---	---	10-bit / 7-ch	6.75	4.86	4.59	4.05
841	MC908MR16CBE	-------	PSDIP 56	768	16128	SCI, SPI	4, 2	8.2	5	36	10-bit / 10-ch	7.27	5.75	5.58	5.41
◆ 841	MC908MR16CFUE	-------	LQFP 64	768	16000	IRSCI, SPI, I2C	4, 2	8	5.5	44	10-bit / 10-ch	7.27	5.75	5.58	5.41
841	MC908MR32CBE	-------	PSDIP 56	768	32256	SCI, SPI	6	8.2	5	36	10-bit / 10-ch	9.76	7.72	7.49	7.26
◆ 841	MC908MR32CFUE	-------	QFP 64	768	32256	SCI, SPI	6	8.2	5	44	10-bit / 10-ch	9.76	7.72	7.49	7.26
◆ 841	MCHC908MR8CFAE	-------	LQFP 32	256	8192	SCI	2	8.2	5	14	10-bit / 7-ch	6.75	4.86	4.59	4.32
◆ 841	MC3PHACVDWE	-------	SOIC 28W	256	8192	SCI	2	8.2	5	14	10-bit / 7-ch	7.98	6.31	6.12	5.94
841	MC3PHACVPE	-------	PDIP 28	256	8192	SCI	2	8.2	5	14	10-bit / 7-ch	7.98	6.31	6.12	5.94
◆ 841	MC908QB8CDTE	-------	TSSOP 16	256	8000	SCI, SPI	1	8	5.5	14	10-bit / 10-ch	2.95	2.12	2.01	1.77
◆ 841	MC908QB8CDWE	-------	SOIC 16W	256	8000	SCI, SPI	1	8	5.5	14	10-bit / 10-ch	2.78	2.00	1.89	1.67
841	MC908QB8MPE	-------	PDIP 16	256	8000	SCI, SPI	1	8	5.5	14	10-bit / 10-ch	3.05	2.20	2.07	1.95
◆ 841	MC908QC8MDRE	DEMO908QC16	TSSOP 28	384	8192	SPI, SCI	2, 4	8		26	10-bit / 10-ch	3.50	2.52	2.38	2.10
◆ 841	MC908QC16CDRE	DEMO908QC16	TSSOP 28	512	16384	SCI, SPI	2, 4	8	5.5	26	10-bit / 10-ch	3.75	2.70	2.55	2.40
◆ 841	MC908QC16CDSE	DEMO908QC16	TSSOP 20	512	16384	SCI, SPI	2, 4	8	5.5	18	10-bit / 10-ch	3.68	2.65	2.50	2.35
◆ 841	MC908QC16CDTE	DEMO908QC16	TSSOP 16	512	16384	SCI, SPI	2, 4	8	5.5	14	10-bit / 10-ch	3.65	2.63	2.48	2.19
◆ 841	MC908QC16CDXE	DEMO908QC16	SOIC 16W	512	16384	SCI, SPI	2, 4	8	5.5	14	10-bit / 10-ch	3.58	2.57	2.43	2.29
◆ 841	MC908QC16CDYE	DEMO908QC16	SOIC 20	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	≤10-bit / 10-ch	3.60	2.59	2.45	2.30
◆ 841	MC908QC16CDZE	DEMO908QC16	SOIC 28	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	≤10-bit / 10-ch	3.68	2.65	2.50	2.21
◆ 841	MC908QC16MDRE	DEMO908QC16	TSSOP 28	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	≤10-bit / 10-ch	4.13	2.97	2.81	2.48
◆ 841	MC908QC16MDSE	DEMO908QC16	TSSOP 20	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	≤10-bit / 10-ch	4.05	2.92	2.75	2.43
◆ 841	MC908QC16VDRE	DEMO908QC16	TSSOP 28	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	≤10-bit / 10-ch	3.95	2.84	2.69	2.37
◆ 841	MC908QC16VDSE	DEMO908QC16	TSSOP 20	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	≤10-bit / 10-ch	3.88	2.79	2.64	2.33
◆ 841	MC908QT2ACDWE	-------	SOEIAJ 8	128	1536	------	2	8.2	5	6	10-bit / 6-ch	2.10	1.51	1.43	.98
◆ 841	MC908QT2ACFQE	-------	QFN-D 8	128	1536	------	2	8.2	5	6	10-bit / 6-ch	2.35	1.69	1.60	1.10
841	MC908QT2ACPE	-------	PDIP 8	128	1536	------	2	8.2	5	6	10-bit / 6-ch	2.10	1.51	1.43	.98
◆ 841	MC908QT4ACDWE	-------	SOEIAJ 8	128	4096	------	2	8.2	5	6	10-bit / 6-ch	2.48	1.78	1.68	1.15
841	MC908QT4ACPE	-------	PDIP 8	128	4096	------	2	8.2	5	6	10-bit / 6-ch	2.48	1.78	1.68	1.15
◆ 841	MC908QY8CDTE	-------	TSSOP 16	256	8000	SCI	1	8	5.5	14	10-bit / 4-ch	3.50	2.52	2.38	1.63
841	MC908QY8CDWE	-------	SOIC 16W	256	8000	------	2	8	5.5	16	10-bit / 4-ch	3.28	2.36	2.23	1.52
841	MC908QY8CPE	-------	PDIP 16	---	----	------	---	---	---	---	-------	3.28	2.36	2.23	1.52
841	MC908QY8VDWE	-------	SOIC 16W	256	8000	------	2	8	5.5	16	10-bit / 4-ch	3.45	2.48	2.35	1.61

FREESCALE 16-Bit Microcontrollers

freescale™
semiconductor

HCS12 AND HCS12X FAMILY-16-BIT MICROCONTROLLERS

* Development Kit Part No. M68DKIT912C32
** Development Kit Part No. DEMO9S12NE64
† Development Kit Part No. DEMO9S12XDT512
†† Development Kit Part No. M68DKIT912C32

MOUSER STOCK NO.	Freescale Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	EEPROM (Byte)	ADC	Serial Interface Type	Bus Freq. (MHz) (Max)	I/O Pins	Timer Channels	Supply Voltage (V)(Typ)	Price Each		
												1	25	50
S12A Family - General Purpose with I2C														
841-MC9S12A32CFUE	MC9S12A32CFUE	QFP 80	4096	32000	1024	10-bit/8-ch	I2C, SCI, SPI	25	91	8	5	**7.13**	**6.37**	**6.19**
841-MC9S12A64CFUE	MC9S12A64CFUE	QFP 80	4096	65536	1024	10-bit/8-ch	I2C, SCI, SPI	25	91	8	5	**9.69**	**8.66**	**8.42**
841-MC9S12A256CFUE	MC9S12A256CFUE	QFP 80	12288	262144	4096	10-bit/8-ch	I2C, SCI, SPI	25	91	8	5	**15.90**	**14.23**	**13.81**
841-MC9S12A64CPVE	MC9S12A64CPVE	LQFP 112	4096	65536	1024	10-bit/8-ch	I2C, SCI, SPI	25	59	8	5	**9.84**	**8.79**	**8.53**
841-MC9S12A256MPVE	MC9S12A256MPVE	LQFP 112	12288	262144	4096	10-bit/8-ch	I2C, SCI, SPI	25	91	8	5	**17.97**	**16.08**	**15.61**
841-MC9S12A512CPVE	MC9S12A512CPVE	LQFP 112	4096	512000	1024	10-bit/8-ch	I2C, SCI, SPI	25	59	8	5	**18.34**	**16.81**	**15.79**
S12B Family - Automotive Industrial with Intermediate Cost CAN														
841-MC9S12B64MFUE	MC9S12B64MFUE	QFP 80	2048	65536	1024	10-bit/8-ch	CAN, I2C, SCI, SPI	25	59	8	5	**9.84**	**8.81**	**8.55**
841-MC9S12B64MPVE	MC9S12B64MPVE	LQFP 112	2048	65536	1024	10-bit/8-ch	CAN, I2C, SCI, SPI	25	59	8	5	**10.18**	**9.11**	**8.84**
841-MC9S12B128MFUE	MC9S12B128MFUE	QFP 80	4096	131072	1024	10-bit/8-ch	CAN, I2C, SCI, SPI	25	59	8	5.5	**12.81**	**11.46**	**11.12**
841-MC9S12B128MPVE	MC9S12B128MPVE	LQFP 112	4096	131072	1024	10-bit/16-ch	CAN, I2C, SCI, SPI	25	91	8	5.5	**13.24**	**11.85**	**11.50**
841-MC9S12B256MPVE	MC9S12B256MPVE	LQFP 112	4096	262144	2048	10-bit/8-ch	CAN, I2C, SCI, SPI	25	59	8	5	**16.45**	**14.72**	**14.29**
††S12C Family - Low Pin Count, Low Cost CAN														
841-MC9S12C32MFAE16	MC9S12C32MFAE16	LQFP 48	2048	32000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**7.45**	**6.66**	**6.47**
841-MC9S12C32MFAE25	MC9S12C32MFAE25	LQFP 48	2048	32000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**7.92**	**7.09**	**6.88**
841-MC9S12C32MFUE25	MC9S12C32MFUE25	QFP 80	2048	32000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**8.30**	**7.43**	**7.21**
841-MC9S12C32MPBE25	MC9S12C32MPBE25	LQFP 52	2048	32000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**7.85**	**7.02**	**6.81**
841-MC9S12C64MFAE	MC9S12C64MFAE	LQFP 48	4000	64000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**9.41**	**8.42**	**8.17**
841-MC9S12C64MFUE	MC9S12C64MFUE	QFP 80	4000	64000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**9.88**	**8.84**	**8.58**
841-MC9S12C96MFAE	MC9S12C96MFAE	LQFP 48	4000	96000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**11.53**	**10.32**	**10.02**
841-MC9S12C96MFUE	MC9S12C96MFUE	QFP 80	4000	96000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**11.44**	**10.23**	**9.93**
841-MC9S12C96MPBE	MC9S12C96MPBE	LQFP 52	4000	96000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**10.98**	**9.83**	**9.54**
841-MC9S12C128MFAE	MC9S12C128MFAE	LQFP 48	4000	128000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5	**11.76**	**10.52**	**10.21**
841-MC9S12C128MFUE	MC9S12C128MFUE	QFP 80	4000	128000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.6	**12.24**	**10.95**	**10.63**
841-MC9S12C128MPBE	MC9S12C128MPBE	LQFP 52	4000	128000	- - -	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.7	**11.76**	**10.52**	**10.21**
S12D Family - Automotive / Industrial with CAN														
841-MC9S12D32MFUE	MC9S12D32MFUE	QFP 80	4096	32000	1024	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	25	91	8	5	**8.63**	**7.70**	**7.48**
841-MC9S12D64MFUE	MC9S12D64MFUE	QFP 80	4096	65536	1024	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	25	91	8	5	**11.93**	**10.66**	**10.35**
841-MC9S12D64MPVE	MC9S12D64MPVE	LQFP 112	4096	65536	1024	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	25	59	8	5	**12.41**	**11.08**	**10.76**
841-MC9S12DB128MPVE	MC9S12DB128MPVE	LQFP 112	8192	131072	2048	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	25	112	8	5	**21.33**	**19.15**	**18.60**
841-MC9S12DG128MFUE	MC9S12DG128MFUE	QFP 80	8192	131072	2048	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	25	59	7	5	**14.86**	**13.29**	**12.90**
841-MC9S12DG128MPVE	MC9S12DG128MPVE	LQFP 112	8192	131072	2048	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	25	91	7	5	**15.33**	**13.72**	**13.32**
841-MC9S12DG256MFUE	MC9S12DG256MFUE	QFP 80	12288	262144	4096	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	25	91	8	5	**18.45**	**16.51**	**16.02**
841-MC9S12DG256MPVE	MC9S12DG256MPVE	LQFP 112	12288	262144	4096	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	25	91	8	5	**18.92**	**16.93**	**16.43**
841-MC9S12DJ64MFUE	MC9S12DJ64MFUE	QFP 80	4096	65536	1024	10-bit/8-ch	SCI, SPI, I2C, J1850, CAN 2.0A/B	25	91	8	5	**12.41**	**11.10**	**10.77**
841-MC9S12DJ64MPVE	MC9S12DJ64MPVE	LQFP 112	4096	65536	1024	10-bit/8-ch	SCI, SPI, I2C, J1850, CAN 2.0A/B	25	59	8	5	**13.54**	**11.85**	**11.51**
841-MC9S12DJ128MFUE	MC9S12DJ128MFUE	QFP 80	8192	131072	2048	10-bit/8-ch	SCI, SPI, I2C, J1850, CAN 2.0A/B	25	59	7	5	**15.14**	**13.55**	**13.15**
841-MC9S12DJ128MPVE	MC9S12DJ128MPVE	LQFP 112	8192	131072	2048	10-bit/8-ch	SCI, SPI, I2C, J1850, CAN 2.0A/B	25	91	8	5	**15.62**	**13.97**	**13.56**
841-MC9S12DJ256MFUE	MC9S12DJ256MFUE	QFP 80	12288	262144	4096	10-bit/8-ch	SCI, SPI, I2C, J1850, CAN 2.0A/B	25	59	8	5	**19.19**	**17.59**	**16.52**
841-MC9S12DJ256MPVE	MC9S12DJ256MPVE	LQFP 112	12288	262144	4096	10-bit/8-ch	SCI, SPI, I2C, J1850, CAN 2.0A/B	25	91	8	5	**19.64**	**18.00**	**16.91**
841-MC9S12DP512MPVE	MC9S12DP512MPVE	LQFP 112	12288	512000	4096	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI, J1850	25	91	8	5	**20.90**	**19.16**	**18.00**
841-MC9S12DT128MPVE	MC9S12DT128MPVE	LQFP 112	8192	131072	2048	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	25	91	8	5	**15.14**	**13.55**	**13.15**
841-MC9S12DT256MFUE	MC9S12DT256MFUE	QFP 80	12288	262144	4096	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	25	91	8	5	**18.67**	**17.11**	**16.07**
841-MC9S12DT256MPVE	MC9S12DT256MPVE	LQFP 112	1288	262144	4096	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	25	91	8	5	**19.12**	**17.52**	**16.46**
S12E Family - General Purpose, 3 Volts with D/A														
841-MC9S12E32CFUE	MC9S12E32CFUE	QFP 80	2000	32000	- - -	10-bit/16-ch	I2C, SCI, SPI	25	58	16, 15, 8	5.5	**6.84**	**5.99**	**5.81**
841-MC9S12E64MFUE	MC9S12E64MFUE	QFP 80	4000	64000	- - -	10-bit/16-ch	I2C, SCI, SPI	25	58	16, 15, 8	5	**9.27**	**8.12**	**7.89**
841-MC9S12E128MFUE	MC9S12E128MFUE	QFP 80	8000	128000	- - -	10-bit/16-ch	I2C, SCI, SPI	25	58	16, 15, 8	5	**10.40**	**9.10**	**8.84**
841-MC9S12E256MFUE	MC9S12E256MFUE	QFP 80	16000	256000	- - -	10-bit/16-ch	I2C, SCI, SPI	25	58	16, 15, 8	5	**12.37**	**10.83**	**10.52**
841-MC9S12E256MPVE	MC9S12E256MPVE	LQFP 112	16000	256000	- - -	10-bit/16-ch	I2C, SCI, SPI	25	90	16, 15, 8	5	**12.84**	**11.24**	**10.91**
***S12GC Family - Low Cost, Low Pin Count**														
841-MC9S12GC16MFAE	MC9S12GC16MFAE	LQFP 48	2000	16000	- - -	10-bit/8-ch	SCI, SPI	25	29	8, 6	3.3, 5.5	**5.66**	**5.07**	**4.92**
841-MC9S12GC32MFAE	MC9S12GC32MFAE	LQFP 48	2000	32000	- - -	10-bit/8-ch	SCI, SPI	25	29	8, 6	3.3, 5.5	**6.88**	**6.15**	**5.97**
841-MC9S12GC64MFAE	MC9S12GC64MFAE	LQFP 48	4000	64000	- - -	10-bit/8-ch	SCI, SPI	25	29	8, 6	3.3, 5.5	**8.15**	**7.29**	**7.08**
841-MC9S12GC64MFUE	MC9S12GC64MFUE	QFP 80	4000	64000	- - -	10-bit/8-ch	SCI, SPI	25	58	8, 6	8.3, 5.5	**8.40**	**7.51**	**7.29**
841-MC9S12GC64MPBE	MC9S12GC64MPBE	LQFP 52	4000	64000	- - -	10-bit/8-ch	SCI, SPI	25	33	8, 6	3.3, 5.5	**8.15**	**7.29**	**7.08**
841-MC9S12GC96MFAE	MC9S12GC96MFAE	LQFP 48	4000	96000	- - -	10-bit/8-ch	SCI, SPI	25	29	8, 6	3.3, 5.5	**8.19**	**7.33**	**7.11**
841-MC9S12GC96MFUE	MC9S12GC96MFUE	QFP 80	4000	96000	- - -	10-bit/8-ch	SCI, SPI	25	58	8, 6	3.3, 5.5	**8.91**	**7.97**	**7.74**
841-MC9S12GC96MPBE	MC9S12GC96MPBE	LQFP 52	4000	96000	- - -	10-bit/8-ch	SCI, SPI	25	33	8, 6	3.3, 5.5	**8.59**	**7.68**	**7.46**
841-MC9S12GC128MFUE	MC9S12GC128MFUE	QFP 80	4000	128000	- - -	10-bit/8-ch	SCI, SPI	25	58	8, 6	3.3, 5.5	**10.83**	**9.69**	**9.41**
841-MC9S12GC128MPBE	MC9S12GC128MPBE	LQFP 52	4000	128000	- - -	10-bit/8-ch	SCI, SPI	25	33	8, 6	3.3, 5.5	**9.96**	**8.91**	**8.65**
S12H Family - LCD / H-Bridge Drivers with CAN														
841-MC9S12H128VPVE	MC9S12H128VPVE	LQFP 112	6000	131072	4096	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	16	99	8	5	**15.52**	**13.58**	**13.19**
841-MC9S12H128VFVE	MC9S12H128VFVE	LQFP 144	6000	131072	4096	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	16	99	8	5	**16.65**	**14.95**	**14.52**
841-MC9S12H256VFVE	MC9S12H256VFVE	LQFP 144	12000	256000	4000	10-bit/16-ch	CAN 2.0A/B, IIC, SCI, SPI	16	115	8	5	**19.29**	**17.31**	**16.81**
841-MC9S12H256VPVE	MC9S12H256VPVE	LQFP 112	12000	256000	4000	10-bit/16-ch	CAN 2.0A/B, IIC, SCI, SPI	16	83	8	5	**17.41**	**15.63**	**15.18**
841-MC9S12HZ256VAL	MC9S12HZ256VAL	LQFP 112	12000	256000	2000	10-bit/16-ch	CAN 2.0A/B, IIC, SCI, SPI	25	85	8	5	**18.01**	**16.12**	**15.64**
****S12NE Family - Single Chip with 10 / 100 Base -T with Integrated MAC & PHY**														
841-MC9S12NE64CPVE	MC9S12NE64CPVE	LQFP 112	8000	64000	- - -	10-bit/8-ch	Ethernet, I2C, SCI, SPI	25	-	-	3.3, 5	**10.84**	**9.49**	**9.21**
841-MC9S12NE64VTUE	MC9S12NE64VTUE	TQFP 80	8000	64000	- - -	10-bit/8-ch	Ethernet, IIC, SCI, SPI	25	-	-	3.3, 5	**9.77**	**8.74**	**8.48**
S12UF Family - USB 2.0														
841-MC9S12UF32PBE	MC9S12UF32PBE	LQFP 64	5120	32768	- - -	- - -	SCI, USB 2.0	30	77	8	5.5	**5.99**	**5.36**	**5.20**
841-MC9S12UF32PUE	MC9S12UF32PUE	LQFP 100	3584	32768	- - -	- - -	SCI, USB 2.0	30	75	8	5	**6.42**	**5.75**	**5.58**
S12XA Family														
841-MC9S12XA256VAA	MC9S12XA256VAA	QFP 80	16000	256000	4000	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	40	91	8, 4	-	**13.45**	**12.04**	**11.68**
841-MC9S12XA256VAG	MC9S12XA256VAG	LQFP 144	16000	256000	4000	10-bit/24-ch	CAN 2.0A/B, I2C, SCI, SPI	40	119	8, 4	-	**13.89**	**12.43**	**12.06**
841-MC9S12XA256VAL	MC9S12XA256VAL	LQFP 112	16000	256000	4000	10-bit/16-ch	CAN 2.0A/B, I2C, SCI, SPI	40	91	8, 4	5.5	**13.60**	**12.17**	**11.81**
841-MC9S12XA512VAA	MC9S12XA512VAA	QFP 80	32000	512000	4000	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	40	59	8, 4	5.5	**15.69**	**14.04**	**13.63**
841-MC9S12XA512VAG	MC9S12XA512VAG	LQFP 144	32000	512000	4000	10-bit/24-ch	CAN 2.0A/B, I2C, SCI, SPI	40	119	8, 4	5.5	**16.15**	**14.45**	**14.03**
841-MC9S12XA512VAL	MC9S12XA512VAL	LQFP 112	32000	512000	4000	10-bit/16-ch	CAN 2.0A/B, I2C, SCI, SPI	40	91	8, 4	5.5	**15.85**	**14.18**	**13.76**
†S12XD Family														
841-MC9S12XD256MAA	MC9S12XD256MAA	QFP 80	14000	256000	4000	10-bit/8-ch	SCI, SPI, I2C, CAN 2.0A/B	40	59	8, 4	5.5	**13.47**	**12.05**	**11.70**
841-MC9S12XD256MAG	MC9S12XD256MAG	LQFP 144	14,000	256,000	4000	10-bit/24-ch	SCI, SPI, I2C, CAN 2.0A/B	40	119	8, 4	5.5	**13.95**	**12.48**	**12.11**
841-MC9S12XD256MAL	MC9S12XD256MAL	LQFP 112	14,000	256,000	4000	10-bit/16-ch	SCI, SPI, I2C, CAN 2.0A/B	40	91	8, 4	5.5	**13.62**	**12.19**	**11.83**
841-MC9S12XDP512MAG	MC9S12XDP512MAG	LQFP 144	32000	512000	4000	10-bit/24-ch, 10-bit/16-ch	SCI, SPI, I2C, CAN 2.0A/B	40	119	8, 4	3.15, 5.5	**17.54**	**15.69**	**15.23**
841-MC9S12XDP512MAL	MC9S12XDP512MAL	LQFP 112	32000	512000	4000	10-bit/16-ch, 10-bit/8-ch	SCI, SPI, I2C, CAN 2.0A/B	40	91	8, 4	3.15, 5.6	**17.23**	**15.42**	**14.97**
841-MC9S12XDT256MAA	MC9S12XDT256MAA	QFP 80	16000	256000	4000	10-bit/8-ch	SCI, SPI, I2C, CAN 2.0A/B	40	59	8, 4	3.3, 5.5	**14.10**	**12.61**	**12.24**
841-MC9S12XDT256MAG	MC9S12XDT256MAG	LQFP 144	16000	256000	4000	10-bit/24-ch, 10-bit/16-ch	SCI, SPI, I2C, CAN 2.0A/B	40	91	8, 4	3.3, 5.5	**14.57**	**13.04**	**12.66**
841-MC9S12XDT256MAL	MC9S12XDT256MAL	LQFP 112	16000	256000	4000	10-bit/16-ch, 10-bit/8-ch	SCI, SPI, I2C, CAN 2.0A/B	40	91	8, 4	3.3, 5.5	**14.25**	**12.75**	**12.38**
841-MC9S12XDT512MAA	MC9S12XDT512MAA	QFP 80	20000	512000	4000	10-bit/8-ch	SCI, SPI, I2C, CAN 2.0A/B	40	59	8, 4	3.3, 5.5	**16.45**	**14.72**	**14.29**
841-MC9S12XDT512MAG	MC9S12XDT512MAG	LQFP 144	20000	512000	4000	10-bit/24-ch, 10-bit/8-ch	SCI, SPI, I2C, CAN 2.0A/B	40	119	8, 4	3.3, 5.5	**16.91**	**15.13**	**14.69**
841-MC9S12XDT512MAL	MC9S12XDT512MAL	LQFP 112	20000	512000	4000	10-bit/16-ch, 10-bit/8-ch	SCI, SPI, I2C, CAN 2.0A/B	40	91	8, 4	3.3, 5.5	**16.59**	**14.84**	**14.40**

FREESCALE 32-Bit Microcontrollers

COLDFIRE® 32-BIT MICROCONTROLLERS

The ColdFire® product portfolio offers a wide mix of performance, price, integration and debugging capabilities for embedded designers. Its integration possibilities are limited only by imagination, and its 20-year history of 68K legacy is something no other competitor can offer. With these features to work with, the ColdFire® architecture is in a leadership position in the 32-bit embedded space.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Cache (kBytes)	Serial Interface Type	Bus Freq. (MHz) (Max)	ADC	I/O Pins	Timer Channels	Price Each		
											1	25	100
841-MCF5206EAB40	MCF5206EAB40	QFP 160	-	8000	4	UART	40	- - - - - -	8	-	12.77	11.42	11.09
841-MCF5206EAB54	MCF5206EAB54	QFP 160	-	8000	4	UART	54	- - - - - -	8	-	15.83	14.16	13.33
841-MCF5206ECAB40	MCF5206ECAB40	QFP 160	-	8000	4	UART	40	- - - - - -	8	-	15.83	14.16	13.33
841-MCF5208CVM166	MCF5208CVM166	MAPBGA 196	-	-	-	- - - - - -	-	- - - - - -	-	-	10.72	9.59	9.31
841-MCF5211CAE66	MCF5211CAE66	LQFP 64	-	16000	-	- - - - - -	80	12-bit / 8-ch	56	-	7.56	6.77	6.57
841-MCF5211CEP66	MCF5211CEP66	QFN 64	-	-	-	- - - - - -		12-bit / 8-ch	-	-	9.06	8.11	7.87
841-MCF5211LCEP66	MCF5211LCEP66	QFN 64	-	16000	-	- - - - - -	80	12-bit / 8-ch	56	-	7.56	6.77	6.57
841-MCF5211LCVM66	MCF5211LCVM66	MAPBGA 81	-	16000	-	- - - - - -	80	12-bit / 8-ch	56	-	7.96	7.12	6.91
841-MCF5211LCVM80	MCF5211LCVM80	MAPBGA 81	-	16000	-	- - - - - -	805	12-bit / 8-ch	56	-	8.32	7.45	7.23
841-MCF5212CAE66	MCF5212CAE66	LQFP 64	256k	32000	-	- - - - - -	665	12-bit / 8-ch	33	-	9.77	8.74	8.48
841-MCF5212LCVM66	MCF5212LCVM66	MAPBGA 81	256k	32000	-	- - - - - -	665	12-bit / 8-ch	33	-	9.77	8.74	8.48
841-MCF5212LCVM80	MCF5212LCVM80	MAPBGA 81	256k	32000	-	- - - - - -	665	12-bit / 8-ch	33	-	10.47	9.37	9.09
841-MCF5213CAF66	MCF5213CAF66	LQFP 100	256k	32000	-	- - - - - -	805	12-bit / 8-ch	56	-	11.40	10.20	9.90
841-MCF5213CAF80	MCF5213CAF80	LQFP 100	256k	32000	-	- - - - - -	805	12-bit / 8-ch	56	-	12.01	10.74	10.43
841-MCF5213LCVM66	MCF5213LCVM66	MAPBGA 81	256k	32000	-	- - - - - -	665	12-bit / 8-ch	44	-	10.09	9.03	8.76
841-MCF5213LCVM80	MCF5213LCVM80	MAPBGA 81	256k	32000	-	- - - - - -	665	12-bit / 8-ch	44	-	11.86	10.61	10.30
841-MCF5214CVF66	MCF5214CVF66	MAPBGA 256	256k	64000	4	UART, I2C, QSPI, FlexCAN	665	10-bit / 8-ch	142	4	20.09	18.41	17.30
841-MCF5214CVM66	MCF5214CVM66	MAPBGA 256	256k	64000	4	UART, I2C, QSPI, FlexCAN	665	10-bit / 8-ch	142	4	18.85	16.86	15.87
841-MCF5216CVF66	MCF5216CVF66	MAPBGA 256	512k	64000	4	UART, I2C, QSPI, FlexCAN	665	10-bit / 8-ch	142	4	22.48	19.98	19.36
841-MCF5216CVM66	MCF5216CVM66	MAPBGA 256	512k	64000	4	UART, I2C, QSPI, FlexCAN	665	10-bit / 8-ch	142	4	19.28	17.67	16.60
841-MCF5232CAB80	MCF5232CAB80	QFP 160	-	64000	16	- - - - - -	405	- - - - - -	61	-	15.94	14.26	13.42
841-MCF5232CVM100	MCF5232CVM100	MAPBGA 196	-	64000	16	FlexCAN, I2C, UART	505	- - - - - -	97	-	15.94	14.26	13.42
841-MCF5232CVM150	MCF5232CVM150	MAPBGA 196	-	64000	16	FlexCAN, I2C, UART	755	- - - - - -	97	-	20.00	17.78	17.22
841-MCF5233CVM100	MCF5233CVM100	MAPBGA 256	-	64000	8	CAN, I2C, UART	755	- - - - - -	61	-	20.39	18.13	17.56
841-MCF5233CVM150	MCF5233CVM150	MAPBGA 256	-	64000	8	CAN, I2C, UART	755	- - - - - -	97	-	25.25	22.45	21.75
841-MCF5234CVM100	MCF5234CVM100	MAPBGA 256	-	64000	8	FlexCAN, I2C, UART	755	- - - - - -	97	-	19.64	17.46	16.91
841-MCF5234CVM150	MCF5234CVM150	MAPBGA 256	-	64000	8	FlexCAN, I2C, UART	755	- - - - - -	97	-	24.50	21.78	21.10
841-MCF5235CVM100	MCF5235CVM100	MAPBGA 256	-	64000	16	- - - - - -	755	- - - - - -	113	-	22.66	20.14	19.51
841-MCF5235CVM150	MCF5235CVM150	MAPBGA 256	-	64000	16	CAN, I2C, UART	755	- - - - - -	97	-	27.52	24.46	23.70
841-MCF5249CVF140	MCF5249CVF140	MAPBGA 160	-	96000	8	UART, I2C, QSPI	1405	10-bit / 8-ch	47	-	16.02	14.33	13.91
841-MCF5249CVM140	MCF5249CVM140	MAPBGA 160	-	96000	8	UART, I2C, QSPI	1405	- - - - - -	47	-	16.02	14.33	13.49
841-MCF5249LAG120	MCF5249LAG120	LQFP 144	-	96000	8	UART, I2C, QSPI	120	10-bit / 8-ch	34	-	14.52	12.99	12.22
841-MCF5249LCAG120	MCF5249LCAG120	LQFP 144	-	96000	8	UART, I2C, QSPI	1205	- - - - - -	34	-	15.30	13.69	12.88
841-MCF5249VF140	MCF5249VF140	MAPBGA 160	-	96000	8	UART, I2C, QSPI	140	10-bit / 8-ch	47	-	15.28	13.67	12.86
841-MCF5249VM140	MCF5249VM140	MAPBGA 160	-	96000	8	UART, I2C, QSPI	140	- - - - - -	47	-	15.28	13.67	12.86
841-MCF5270AB100	MCF5270AB100	QFP 160	-	64000	16	- - - - - -	50	- - - - - -	39	-	11.69	10.46	9.84
841-MCF5270CVM150	MCF5270CVM150	MAPBGA 196	-	64000	16	- - - - - -	50	- - - - - -	97	-	14.00	12.53	12.16
841-MCF5270VM100	MCF5270VM100	MAPBGA 196	-	64000	16	- - - - - -	50	- - - - - -	61	-	11.69	10.46	10.15
841-MCF5271CAB100	MCF5271CAB100	QFP 160	-	64000	16	- - - - - -	505	- - - - - -	39	-	14.80	13.24	12.46
841-MCF5271CVM100	MCF5271CVM100	MAPBGA 196	-	64000	16	- - - - - -	505	- - - - - -	61	-	14.80	13.24	12.46
841-MCF5271CVM150	MCF5271CVM150	MAPBGA 196	-	64000	16	- - - - - -	505	- - - - - -	97	-	16.34	14.62	14.19
841-MCF5272CVF66	MCF5272CVF66	MAPBGA 196	-	4000	1	UART, USB, TDM, QSPI	665	- - - - - -	32	4	17.73	15.86	14.93
841-MCF5272CVM66	MCF5272CVM66	MAPBGA 196	-	4000	1	- - - - - -	665	- - - - - -	32	-	17.73	15.86	14.93
841-MCF5274CVM166	MCF5274CVM166	MAPBGA 256	-	64000	32	UART, I2C, SPI, USB2.0	835	- - - - - -	69	-	17.52	15.67	15.21
841-MCF5274LCVM166	MCF5274LCVM166	MAPBGA 196	-	64000	32	UART, I2C, SPI, USB2.0	835	- - - - - -	69	-	14.40	12.89	12.51
841-MCF5274LVF166	MCF5274LVF166	MAPBGA 196	-	- - -	-	- - - - - -	-	- - - - - -	-	-	12.84	11.49	11.15
841-MCF5274LVM166	MCF5274LVM166	MAPBGA 196	-	64000	32	UART, I2C, SPI, USB2.0	83	- - - - - -	61	-	12.84	11.49	10.82
841-MCF5274VM166	MCF5274VM166	MAPBGA 256	-	64000	32	UART, I2C, SPI, USB2.0	83	- - - - - -	69	-	15.96	14.28	13.44
841-MCF5275CVM166	MCF5275CVM166	MAPBGA 256	-	64000	32	UART, I2C, SPI, USB2.0	835	- - - - - -	69	-	18.07	16.57	15.56
841-MCF5275LCVM166	MCF5275LCVM166	MAPBGA 196	-	64000	32	UART, I2C, SPI, USB2.0	835	- - - - - -	61	-	15.96	14.28	13.44
841-MCF5280CVF66	MCF5280CVF66	MAPBGA 256	-	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	665	10-bit / 8-ch	150	4	22.12	20.28	19.05
841-MCF5280CVF80	MCF5280CVF80	MAPBGA 256	-	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	805	10-bit / 8-ch	150	4	26.55	23.60	22.86
841-MCF5280CVM66	MCF5280CVM66	MAPBGA 256	-	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	665	10-bit / 8-ch	150	4	21.47	19.09	18.49
841-MCF5280CVM80	MCF5280CVM80	MAPBGA 256	-	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	805	10-bit / 8-ch	150	4	25.76	22.90	22.18
841-MCF5281CVF66	MCF5281CVF66	MAPBGA 256	256k	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	665	10-bit / 8-ch	150	4	24.82	22.06	21.37
841-MCF5281CVF80	MCF5281CVF80	MAPBGA 256	256k	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	805	10-bit / 8-ch	150	4	29.79	26.48	25.65
841-MCF5281CVM66	MCF5281CVM66	MAPBGA 256	256k	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	665	10-bit / 8-ch	150	4	24.07	21.39	20.72
841-MCF5281CVM80	MCF5281CVM80	MAPBGA 256	256k	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	805	10-bit / 8-ch	150	4	29.79	26.48	25.65
841-MCF5282CVF66	MCF5282CVF66	MAPBGA 256	512k	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	665	10-bit / 8-ch	150	4	26.98	23.98	23.23
841-MCF5282CVF80	MCF5282CVF80	MAPBGA 256	512k	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	805	10-bit / 8-ch	150	4	32.38	28.78	27.88
841-MCF5282CVM66	MCF5282CVM66	MAPBGA 256	512k	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	665	10-bit / 8-ch	150	4	26.17	23.26	22.54
841-MCF5282CVM80	MCF5282CVM80	MAPBGA 256	512k	64000	4	UART, I2C, QSPI, FlexCAN, MAC (FEC), 10/100 Ethernet	805	10-bit / 8-ch	150	4	31.41	27.92	27.05
841-MCF5307AI66B	MCF5307AI66B	FQFP 208	-	4000	16	UART, I2C	66	- - - - - -	16	2	19.33	17.18	16.65
841-MCF5307AI90B	MCF5307AI90B	FQFP 208	-	4000	16	UART, I2C	90	- - - - - -	16	2	25.47	22.64	21.93
841-MCF5307CAI66B	MCF5307CAI66B	FQFP 208	-	4000	16	UART, I2C	66	- - - - - -	16	2	23.76	21.12	20.46
841-MCF5407AI162	MCF5407AI162	FQFP 208	-	4000	24	UART, I2C	162	- - - - - -	16	2	34.38	30.56	29.61
841-MCF5407AI220	MCF5407AI220	FQFP 208	-	4000	24	UART, I2C	220	- - - - - -	16	2	39.34	37.02	34.71
841-MCF5407CAI162	MCF5407CAI162	FQFP 208	-	4000	24	UART, I2C	162	- - - - - -	16	2	39.34	37.02	34.71
841-MCF5407CAI220	MCF5407CAI220	FQFP 208	-	4000	24	UART, I2C	220	- - - - - -	16	2	44.47	41.86	39.24
841-MCF5470VR200	MCF5470VR200	PBGA 388	-	32000	64	UART	200	- - - - - -	99	-	25.69	22.83	22.12
841-MCF5471VR200	MCF5471VR200	PBGA 388	-	32000	64	UART	200	- - - - - -	99	-	30.24	26.88	26.04
841-MCF5472VR200	MCF5472VR200	PBGA 388	-	32000	64	UART	200	- - - - - -	99	-	25.69	22.83	22.12
841-MCF5473VR200	MCF5473VR200	PBGA 388	-	32000	64	UART	200	- - - - - -	99	-	30.24	26.88	26.04
841-MCF5474VR200	MCF5474VR200	PBGA 388	-	32000	64	UART	200	- - - - - -	99	-	28.82	25.62	24.82
841-MCF5474VR266	MCF5474VR266	PBGA 388	-	32000	64	UART	200	- - - - - -	99	-	30.24	26.88	26.04
841-MCF5475VR200	MCF5475VR200	PBGA 388	-	32000	64	UART	200	- - - - - -	99	-	33.35	29.65	28.72
841-MCF5475VR266	MCF5475VR266	PBGA 388	-	32000	64	UART	266	- - - - - -	99	-	34.79	30.93	29.96
841-MCF5480CVR166	MCF5480CVR166	PBGA 388	-	32000	64	- - - - - -	166	- - - - - -	99	-	30.22	26.86	26.02
841-MCF5481CVR166	MCF5481CVR166	PBGA 388	-	32000	64	- - - - - -	166	- - - - - -	99	-	34.78	30.91	29.95
841-MCF5482CVR166	MCF5482CVR166	PBGA 388	-	32000	64	- - - - - -	166	- - - - - -	99	-	30.22	26.86	26.02
841-MCF5483CVR166	MCF5483CVR166	PBGA 388	-	32000	64	- - - - - -	166	- - - - - -	99	-	34.78	30.91	29.95
841-MCF5484CVR200	MCF5484CVR200	PBGA 388	-	32000	64	- - - - - -	200	- - - - - -	99	-	35.59	31.63	30.64
841-MCF5485CVR200	MCF5485CVR200	PBGA 388	-	32000	64	- - - - - -	200	- - - - - -	99	-	37.89	35.66	33.44

FREESCALE Development Tools

freescale™
semiconductor

MC56F8300DSK KIT

Freescale's advanced 56F8300 Developers Start Kit brings demonstration, evaluation and development capabilities to the 56F8300 series of Digital Signal Controllers (DSCs). This comprehensive kit includes a demonstration board that utilizes the 60 MIPS 56F8323 DSC with on-chip oscillator to illustrate the enhanced capabilities of the 56F8300 Series. To demonstrate some typical 56F8300 applications in which processing power must be combined with remote sensing capabilities, the MC56F8300DSK integrates Freescale's MC33794 E-field sensor. It also features a built-in JTAG-to-parallel port command converter, with parallel cable included, providing fast and simple out-of-the-box debugging.

Kit Contents:

- MC56F8300DSK Board
- Parallel cable, DB25, M/F
- Universal power supply
- Code-Warrior™ CD for Freescale MC56F8300DSK
- Software, training and documentation CD
- Preprogrammed sample applications

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-MC56F8300DSK	MC56F8300DSK	89.00

MC56F8323EVM KIT

The MC56F8323EVM is a low-cost kit that contains everything you need to quickly evaluate the features and capabilities of the MC56F8322 and MC56F8323 digital signal controllers silicon and tools.

Kit Contents:

- MC56F8323EVM board
- Installation guide
- Switch mode power supply (12 Volt)
- Parallel cable
- CodeWarrior™
- Development studio for 56800/E special edition

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-MC56F8323EVM	MC56F8323EVM	317.59

DSP56303EVM KIT

The DSP56303 Evaluation Module is designed as a low-cost platform for developing real-time software and hardware products to support applications in wireless, telecommunications and multimedia products using multi-line voice/date/fax processing, videoconferencing, audio applications, control and general digital signal multi-line voice/date/fax processing, videoconferencing, audio applications, control and general digital signal processing. PC-compatible computer (90MHz or higher) running Windows 95 or NT4 with an RS-232 serial port. 12 Mbytes RAM, 3-1/2 inch diskette drive, CD-ROM drive, hard drive with 20 Mbytes of free disk space. Power supply 7-9 V AC or DC 500 mA with 2.1 mm coaxial connector not included.

Kit Contents:

- DSP56303EVM board
- DSP56300 literature
- Suite56 for Freescale DSP 563xx
- Freescale The DSP56300 Family Documentation
- Domain Technologies Debugger for DSP563xxEVM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56303EVM	DSP56303EVM	269.88

DSP56309EVM KIT

The DSP56309 Evaluation Module is a low-cost platform for developing real-time software and hardware products to support a new generation of wireless, telecommunications and multimedia applications. The DSP56309EVM targets applications requiring a large amount of on-chip memory, such as wireless infrastructure applications. PC compatible computer (Pentium-90 MHz or higher) running Windows 95 (or higher) with an RS-232 serial port. Requires Power supply 7-9 V DC, 500mA, (not included).

Kit Contents:

- DSP56309EVM Board
- GUI Debugger Software Disk
- Assembler Linker-Test files disk
- DSP56309EVM User's Manual and Other Documentation

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56309EVM	DSP56309EVM	296.93

DSP56311EVM KIT

The DSP56311 Evaluation Module (EVM) is used to demonstrate the abilities of the DSP56311 device and provide a hardware tool to allow development of applications that use the DSP56311. The DSP56311EVM includes a DSP56311 device, peripheral expansion connectors, external memory and a voice codec. The peripheral expansion connectors allow for signal monitoring and user-feature expendability.

Kit Contents:

- DSP56311EVM Board
- Parallel port extender cable
- Plastic standoffs and plastic screws
- DSP56300 Tools Software
- Device and Tools Documentation
- Tutorial/example software
- DSP56311EVM Development Tools Release Notes
- DSP56311EVM Product Installation Guide

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56311EVM	DSP56311EVM	377.83

DSP56F800DEMO KIT

The 56F800 Demonstration kit is a low-cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F801FA60 and DSP56F802TA60 silicon and tools. It also provides an efficient and cost-effective vehicle for hardware and software development.

Kit Contents:

- Demo board
- Complimentary CodeWarrior™ license (8K word program memory limit)
- SDK CD
- Parallel cable
- Instructions for kit
- Training CD
- US Power Supply

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F800DEMO	DSP56F800DEMO	55.20

DSP56F801EVM KIT

The DSP56F801EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F801 silicon and tools. It can be used standalone or in conjunction with our broad range of modular motion control development hardware. The DSP56F801EVM Kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F801EVM Installation Guide
- DSP56F801 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F801EVM	DSP56F801EVM	338.09

DSP56F803EVM KIT

The DSP56F803EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F803 silicon and tools. It can be used standalone or in conjunction with our broad range of modular motion control development hardware. The DSP56F803EVM Kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F803EVM Installation Guide
- DSP56F803 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F803EVM	DSP56F803EVM	337.82

DSP56F805EVM KIT

The DSP56F805EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F805 silicon and tools. It can be used standalone or in conjunction with our broad range of modular motion control development hardware. This kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F805EVM Installation Guide and DSP56F805 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F805EVM	DSP56F805EVM	337.95

DSP56F826EVM KIT

The DSP56F826EVM Kit is a low cost kit that contains everything you need to quickly evaluate the features and capabilities of the DSP56F826 silicon and tools. It can be used standalone, or in conjunction with our broad range of modular motion control development hardware. This kit is targeted for use on PC Compatible systems running Windows 95, Windows 98 and Windows NT 4.0.

Kit Contents:

- DSP56F826EVM Installation Guide and DSP56F826 Evaluation Module Board
- 12 Volt universal switching mode power supply
- IEEE 1284 parallel port cable DB25 male to DB25 female
- Codec sample rate selector
- Peripheral Daughter Card Expansion Connector to allow the user to connect his own SCI, SSI, SPI or GPIO compatible peripheral to the DSP
- Memory Daughter Card Expansion Connector to allow the user to connect his own memory or memory device to the DSP
- 16-Bit stereo codec interface
- Metrowerks CodeWarrior™ for Freescale DSP evaluation CD-ROM (30 day)
- Embedded Software Development Kit (SDK) CD-ROM

MOUSER STOCK NO.	Freescale Part No.	Price Each
841-DSP56F826EVM	DSP56F826EVM	309.88

KEIL Development Tools

KEIL
An ARM® Company

RoHS Compliant **This page of product is compliant.**

Keil Software makes C compilers, macro assemblers, real-time kernels, debuggers, simulators, integrated environments, and evaluation boards for the 8051, 251, ARM, and XC16x/C16x/ST10 microcontroller families.

8051 MCU DEVELOPMENT TOOLS FOR CLASSIC AND EXTENDED 8051 DEVICES

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PK51	PK51	C51 V8 Professional Developer's Suite - Includes CA51 + µVision Simulator and Target Debugger, Extended Device Support, LX51 Code Packing Linker, ISD51 In-System Debugger, and RTX Tiny RTOS	2895.00
830-CA51	CA51	C51 V8 Compiler - Includes A51 + C Compiler	1695.00
830-A51	A51	A51 V8 Assembler - Includes Assembler, Utilities, and µVision IDE	695.00
830-MCBX51	MCBX51	8051/251 Single Board Comp. - Includes 2K- Limited 8051/251 Tools with Assemble/Compiler/Debug/Simulator/Monitor	295.00
830-ULINK2	ULINK2	USB-JTAG Adapter - Connects PC's USB Port to Hardware's JTAG Interface	300.00

LPC DEVELOPMENT TOOLS FOR PHILIPS 89LPC9XX DEVICES

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-MCB900	MCB900	Prototype Board for Phillips 89LPC9xx - Includes µVision LPC Studio and 4K-Limited Tools with Assembler/Compiler/Debugger/Simulator	60.00
830-MCB950	MCB950	Evaluation Bard for the NXP LPC95x Microcontroller Family	
830-EPM900	EPM900	Emulator/Programmer for Philips 89LPC9xx - Includes µVision LPC Studio and 4K-Limited Tools with Assembler/Compiler/Debugger/ Simulator	200.00

251 MCU DEVELOPMENT TOOLS FOR ATMEL, INTEL, AND SANYO DEVICES

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-DK251	DK251	C251-V3 Developer's Suite - Includes CA251 + µVision Simulator and Target Debugger	2595.00
830-CA251	CA251	C251 V3 Compiler - Includes A251 + C Compiler	1795.00
830-A251	A251	A251 V3 Assembler - Includes Assembler, Utilities, and µVision IDE	695.00
830-MCBX51	MCBX51	8051/251 Single Board Computer - Includes 2K- Limited 8051/251 Tools with Assembler/Compiler/ Debugger/Simulator/Monitor	295.00

ARM® MCU DEVELOPMENT TOOLS FOR ARM-POWERED DEVICES

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-MDK-ARM	MDK-ARM	RealView Microcontroler Development Kit - Includes C/C++ Compiler, Assembler, µVision IDE/Debugger/Simulator, and RTX Kernel Library.	4095.00
830-DB-ARM	DA-ARM	Debugger/Simulator for ARM® - Includes µVision IDE/Debugger/Simulator supports GNU GCC, Keil CARM. or ARM ADS/RealView Compilers.	2295.00
830-RL-ARM	RTL-ARM	RealView Real-Time Library - RTX-ARM Kernel Source Code, Flash File System, TCP/IP Networking Libraries, CAN and USB Drivers.	4195.00
830-MCBSTR7	MCBSTR7	MCBSTR7 Eval Board - uses the new STMicroelectronics STR710FZ2 controller - Includes everything that is required for a single-chip STR7 system — USB, CAN, and two UART interfaces, analog input (via potentiometer), and 8 LEDs.	149.00
830-MCBSTR9	MCBSTR9	Evaluation board for the STMicroelectronics STR9 Microcontroller Family	199.00
830-MCBSTR730	MCBSTR730	Evaluation board for the STMicroelectronics STR730 Microcontroller Family	169.00
830-MCBSTR750	830-MCBSTR750	Evaluation board for the STMicroelectronics STR750 Microcontroller Family	229.00
830-MCB2100	MCB2100	LPC211x/212x Single-Board Computer with CAN & JTAG - Includes Evaluation Keil ARM Tools with Assembler/ Compiler/Debugger/ Simulator.	149.00
830-MCB2130	MCB2130	LCP213x Single-Board Computer with JTAG - Includes Evaluation Keil ARM Tools with Assembler/Compiler/Debugger/Simulator.	179.00
830-MCB2140	MCB2140	LPC214x Evaluation USB Board - Uses the new Philips LPC2148 ARM Power Microcontroller, Includes an eval version of the Keil Development Suite for ARM that includes extensive example projects on the usage of the LPC2100 devices	179.00
830-ULINK2	ULINK2	USB-JTAG Adapter - Connects PC's USB Port to Hardware's JTAG Interface.	300.00

C166 MCU DEVELOPMENT TOOLS FOR XC16X/C16X/ST10

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PK166	PK166	C166 V5 Pro Developer's Suite - Includes all components of the CA166 + µVision Simulator and Target Debugger	3495.00
830-CA166	CA166	C166 V5 Compiler - Includes all components of the A166 + C166 Compiler, EC++ Compiler, Run Time Libraries, and RTX166 Tiny RTOS	2395.00
830-A166	A166	A166 V5 Assembler - Includes Assembler, Utilities, and µVision IDE	695.00
830-AR166	AR166	Advanced RTX Real-Time Operating System for C16x/XC16x/ST10 - Includes Flash File System and TCP/IP Networking Support	3495.00
830-MCB167NET	MCB167NET	C167 Single Board Computer with CAN & Ethernet - Includes 4K-Limited XC16x/C16x/ST Tools with Assembler/Compiler/ Debugger/ Simulator/ Monitor	295.00
830-MCBXC167-BASIC	MCBXC167-BASIC	XC167 Single Board Computer - Includes 4K-Limited XC16x/C16x/ST10 Tools with Assembler/ Compiler/ Debugger/ Simulator / Monitor	149.00
830-MCBXC167-NET	MCBXC167-NET	XC167 Single Board Computer with CAN & Ethernet - Includes 4K-Limited XC16x/ C16x/ST10 Tools Assembler/ Compiler/Debugger/ Simulator/ Monitor	399.00
830-ULINK2	ULINK2	USB-JTAG Adapter - Connects PC's USB Port to Hardware's JTAG Interface	300.00

PC-LINT SYNTAX CHECKER - TIME-SAVING SOFTWARE PACKAGE

MOUSER STOCK NO.	Keil Software Part No.	Description	Price Each
830-PC-LINT-V8	PC-Lint V8	PC-Lint Syntax Checker - Software pkg that finds errata in your C programs using the K&R and ANSI standards for C	239.00

LUMINARY MICRO Development Kits & Microcontrollers

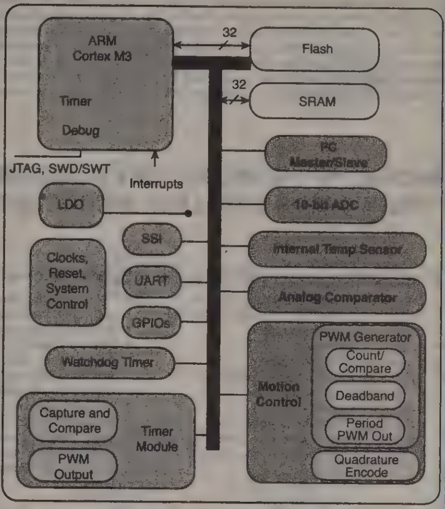
LUMINARYMICRO™

Products may be RoHS compliant.
Check mouser.com for RoHS status.

STELLARIS™ FAMILY OF ARM® CORTEX-M3™ MICROCONTROLLERS

Luminary Micro, Inc. designs, markets, and sells ARM® Cortex™-M3-based microcontrollers (MCUs). As ARM's lead partner for Cortex-M3 technology, Luminary Micro has delivered the world's first silicon implementation of the Cortex-M3 processor, providing 32-bit performance at 8-/16-bit cost. Luminary Micro's Stellaris family of microcontrollers incorporates the ARM Cortex-M3 MCU core running up to 50 MHz, embedded Flash and SRAM, a low-dropout voltage regulator, integrated brown-out reset and power-on reset functions, analog comparators, 10-bit ADC, SSI, GPIOs, watchdog and general purpose timers, UARTs, I C, motion control PWMs, and quadrature encoder inputs. With peripherals provided directly to the pins without feature multiplexing, this rich feature set is ideal for applications such as building and home automation; factory automation and control; industrial control power devices; stepper motors; brushed and brushless DC motors; and AC induction motors.

The Stellaris™ Family of microcontrollers build on this core to bring high-performance 32-bit computing to cost-sensitive embedded microcontroller applications, such as motion control, process control, and medical instrumentation. The Stellaris family is your only source for ARM-based microcontrollers featuring 32-bit performance for the same price as current 8/16-bit microcontroller designs!



Features:

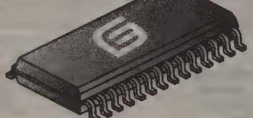
- Thumb-2 instruction set, delivering the high-performance expected of an ARM core in the memory size usually associated with 8- and 16-bit devices; typically in the range of a few kilobytes of memory for microcontroller class applications.
- Exceptional interrupt handling, by implementing in hardware the register manipulations required for handling an interrupt.
- Memory protection unit (MPU) to provide a privileged mode of operation for complex applications.
- Compact core.

Architected to bring 32-bit to the 8-/16-bit MCU space:

- Small, fast, power-efficient ARM Cortex-M3 core
- Powerful software debug capabilities
- Up to 4x better code density than 8-bit 8051

Greater than 50 MIPS with a demonstrable 20x performance roadmap:

- No-worry roadmap



Dramatically extends ARM7 capabilities in critical MCU applications:

- 5x improvement in MIPS/Watt
- 5x improvement in real time response to interrupts
- Highly predictable, deterministic behavior

Best-in-industry development environment and debug tools:

- Hundreds of 3rd party supporters
- Most time-efficient software development environment

MOUSER STOCK NO.	Luminary Micro Part No.	Flash (KB)	SRAM (KB)	UARTs	GPIOs	SSI	I²C	Analog Comp-arators	Watch-dog Timer	General-Purpose Timer	Brown-Out Reset	LDO Voltage Regulator	PWM	CCP	Operating Temperature	Price Each 1	25	100
868-LM3S317-IQN25	LM3S317-IQN25	16	4	1	3-30	yes	-	1	Yes	3	Yes	Yes	6	6	-40°C to 85°C	7.22	6.02	5.56
868-LM3S617-IQN50	LM3S617-IQN50	32	8	2	1-30	yes	-	1	Yes	3	Yes	Yes	6	6	-40°C to 85°C	8.65	7.23	6.67
868-LM3S618-IQN50	LM3S618-IQN50	32	8	2	0-30	yes	-	1	Yes	3	Yes	Yes	6	4	-40°C to 85°C	9.31	7.77	7.17
868-LM3S817-IQN50	LM3S817-IQN50	64	8	2	1-30	yes	-	1	Yes	3	Yes	Yes	6	6	-40°C to 85°C	10.77	8.99	8.30
868-LM3S818-1QN25	LM3S818-IQN25	64	8	2	0-30	yes	-	1	Yes	3	Yes	Yes	6	4	-40°C to 85°C	11.42	9.53	8.80
868-LM3S101-IRN20	LM3S101-IRN20	8	2	1	2-18	Yes	-	2	Yes	2	Yes	Yes	- -	1	-40°C to 85°C	2.18	1.82	1.68
868-LM3S102-IRN20	LM3S102-IRN20	8	2	1	2-18	Yes	Yes	1	Yes	2	Yes	Yes	- -	2	-40°C to 85°C	2.75	2.29	2.51
868-LM3S301-IQN20	LM3S301-IQN20	16	4	1	12-33	Yes	Yes	2	Yes	2	Yes	Yes	2	2	-40°C to 85°C	4.25	3.54	3.27
868-LM3S310-IQN25	LM3S310-IQN25	16	4	2	3-36	Yes	Yes	3	Yes	3	Yes	Yes	6	6	-40°C to 85°C	5.86	4.88	4.51
868-LM3S315-IQN25	LM3S315-IQN25	16	4	2	7-32	Yes	Yes	1	Yes	3	Yes	Yes	2	6	-40°C to 85°C	6.67	5.56	5.13
868-LM3S316-IQN25	LM3S316-IQN25	16	4	2	3-32	Yes	Yes	1	Yes	3	Yes	Yes	4	6	-40°C to 85°C	7.05	5.88	5.42
868-LM3S328-IQN25	LM3S328-IQN25	16	4	2	7-28	Yes	Yes	-	Yes	3	Yes	Yes	- -	6	-40°C to 85°C	8.62	7.18	6.63
868-LM3S601-IQN50	LM3S601-IQN50	32	8	2	0-36	Yes	Yes	3	Yes	3	Yes	Yes	6	6	-40°C to 85°C	8.48	7.07	6.53
868-LM3S610-IQN50	LM3S610-IQN50	32	8	2	6-34	Yes	Yes	-	Yes	3	Yes	Yes	6	6	-40°C to 85°C	8.55	7.12	6.57
868-LM3S611-IQN50	LM3S611-IQN50	32	8	2	4-32	Yes	Yes	-	Yes	3	Yes	Yes	6	6	-40°C to 85°C	8.81	7.34	6.77
868-LM3S612-IQN50	LM3S612-IQN50	32	8	2	7-34	Yes	Yes	1	Yes	3	Yes	Yes	2	6	-40°C to 85°C	8.29	6.91	6.37
868-LM3S613-IQN50	LM3S613-IQN50	32	8	2	3-32	Yes	Yes	1	Yes	3	Yes	Yes	4	6	-40°C to 85°C	8.44	7.03	6.49
868-LM3S615-IQN50	LM3S615-IQN50	32	8	2	0-34	Yes	Yes	3	Yes	3	Yes	Yes	6	6	-40°C to 85°C	8.59	7.16	6.61
868-LM3S628-IQN50	LM3S628-IQN50	32	8	2	9-28	Yes	Yes	-	Yes	3	Yes	Yes	- -	4	-40°C to 85°C	9.95	8.29	7.65
868-LM3S801-IQN50	LM3S801-IQN50	64	8	2	0-36	Yes	Yes	3	Yes	3	Yes	Yes	6	6	-40°C to 85°C	10.18	8.48	7.83
868-LM3S811-IQN50	LM3S811-IQN50	64	8	2	1-32	Yes	Yes	1	Yes	3	Yes	Yes	6	6	-40°C to 85°C	10.56	8.80	8.12
868-LM3S812-IQN50	LM3S812-IQN50	64	8	2	7-34	Yes	Yes	1	Yes	3	Yes	Yes	2	6	-40°C to 85°C	9.95	8.29	7.65
868-LM3S815-IQN50	LM3S815-IQN50	64	8	2	0-34	Yes	Yes	3	Yes	3	Yes	Yes	6	6	-40°C to 85°C	10.27	8.56	7.90
868-LM3S828-IQN50	LM3S828-IQN50	64	8	2	7-28	Yes	Yes	-	Yes	3	Yes	Yes	- -	6	-40°C to 85°C	11.93	9.94	9.18

STELLARIS™ FAMILY DEVELOPMENT KITS

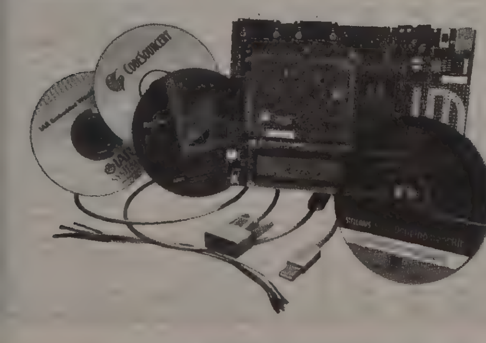
The Luminary Micro Stellaris™ Family Development Kit provides the hardware and software tools that engineers need to begin development quickly.

Features:

- Fully functional evaluation versions of microcontroller toolsets from ARM/Keil, CodeSourcery (GNU), and IAR
- Everything needed to develop and prototype embedded applications right out of the box, including all cables, jumpers, and power over USB

Includes:

- Development board (motherboard, daughterboard)
- Software tools
- Compiler, assembler, debugger
- ARM, GNU, and IAR
- Hardware tools
- JTAG emulator
- Product collateral
- Datasheets, example programs
- Power supply, cables



MOUSER STOCK NO.	Luminary Micro Part No.	Description	Price Each
868-EKK-LM352965	EKK-LM352965	Stellaris CAN Ethernet Kit with Keil tools (MDK-ARM	89.00
868-EKI-LM352965	EKI-LM352965	Stellaris CAN Ethernet Kit with IAR tools (Kickstart)	89.00
868-EKC-LM352965	EKC-LM352965	Stellaris CAN Ethernet Kit with Sourcery G++ tools	89.00
868-EKK-LM356965	EKK-LM356965	Stellaris Ethernet Evaluation Kit with Keil tools (MDK-ARM)	79.00
868-EKI-LM356955	EKI-LM356965	Stellaris Ethernet Evaluation Kit with IAR tools (Kickstart)	79.00
868-EK-LM356965	EK-LM356965	Stellaris Ethernet Evaluation Kit with Sourcery G++ tools	79.00
868-RDK-STEPPER	RDK-STEPPER	Stepper Motor Reference Design Kit	199.00
868-RDK-ACIM	RDK-ACIM	AC Induction Motor Reference Design Kit	379.00
868-DK-LM3S101	DK-LM3S101	Stellaris™ Family Development Kit for LM3S101	249.00
868-DK-LM3S102	DK-LM3S102	Stellaris™ Family Development Kit for LM3S102	249.00
868-DB-LM3S101	DB-LM3S101	Stellaris™ Family Daughter Board for LM3S101	79.00
868-DB-LM3S102	DB-LM3S102	Stellaris™ Family Daughter Board for LM3S102	79.00
868-DB-LM3S301	DB-LMS301	Stellaris™ Family Daughter Board for LM3S301	79.00
868-DB-LM3S801	DB-LM3S801	Stellaris™ Family Daughter Board for LM3S801	79.00
868-DB-LM3S811	DB-LM3S811	Stellaris™ Family Daughter Board for LM3S811	79.00
868-DB-LM3S815	DB-LM3S815	Stellaris™ Family Daughter Board for LM3S815	79.00
868-DB-LM3S828	DB-LM3S828	Stellaris™ Family Daughter Board for LM3S828	79.00
868-DK-LM3S301	DK-LM3S301	Stellaris™ Family Development Kit for LM3S301	249.00
868-DK-LM3S801	DK-LM3S801	Stellaris™ Family Development Kit for LM3S801	249.00
868-DK-LM3S811	DK-LM3S811	Stellaris™ Family Development Kit for LM3S811	249.00
868-DK-LM3S815	DK-LM3S815	Stellaris™ Family Development Kit for LM3S815	249.00
868-DK-LM3S828	DK-LM3S828	Stellaris™ Family Development Kit for LM3S828	249.00
868-EKK-LM3S811	EKK-LM3S811	Stellaris™ Family Evaluation Kit for LM3S811	49.00
868-IA-LM3S102	IA-LM3S102	IAR Kickstart Evaluation Kit for LM3S102	99.00
868-RA-LM3S102	RA-LM3S102	Rowley Board for LM3S102	149.00

MICROCHIP PICMicro Microcontroller Family

Microchip's RISC-based PICmicro® MCUs are designed for applications requiring high performance and low cost. The PICmicro® MCU portfolio is comprised of more than 140 products and features a variety of memory configurations, low voltage and power, small footprint and ease-of-use. There is a great deal of "smarts" packed into a tiny space in our minimal footprint 8-bit MCUs. As your designs grow in complexity, the code you write (later) can be easily transitioned to larger Microchip MCUs with more peripheral resources. A seamless product migration path between PICmicro® MCU families provides for complete upward compatibility in embedded control designs. If you already know the specifications you need for you application, you can select that criteria through Microchip's parametric search engine. The criteria used in this selection process are: Program Memory, Data RAM, Memory Type and Package. If you are not yet familiar with Microchip's PICmicro® MCUs the following information will help you get started. PICmicro® MCUs combine high performance, low cost, and small package size, offering the best price/performance ratio in the industry. Microchip offers five families of 8-bit MCUs to best fit your needs.

MICROCHIP PIC10FXXX 8 BIT FLASH MCUs "THE WORLDS SMALLEST MICROCONTROLLER."

High-Performance RISC CPU:

- Only 33 single-word instructions to learn
- All single-cycle instructions except for program branches, which are two-cycle
- 12-bit wide instructions
- 2-level deep hardware stack
- Direct, Indirect and Relative Addressing modes for data and instructions
- 8-bit wide data path
- 8 Special Function Hardware registers
- Operating speed: 4 MHz internal clock
  1μs instruction cycle

Special Microcontroller Features:

- 4 MHz precision internal oscillator: Factory calibrated to ±1%
- In-Circuit Serial Programming™ (ICSP™)
- In-Circuit Debugging (ICD) support
- Power-on Reset (POR)
- Device Reset Timer (DRT)
- Watchdog Timer (WDT) with dedicated on-chip RC oscillator for reliable operation
- Programmable code protection
- Multiplexed MCLR input pin
- Internal weak pull-ups on I/O pins
- Power-saving Sleep mode
- Wake-up from Sleep on pin change

Low-Power Features/CMOS Technology:

- Operating Current: < 350 μA @ 2V, 4 MHz
- Standby Current: 100 nA @ 2V, typical
- Low-power, high-speed Flash technology:
  100,000 Flash endurance
  > 40 year retention
- Fully static design
- Wide operating voltage range: 2.0V to 5.5V
- Wide temperature range: Industrial: -40°C to +85°C
  Extended: -40°C to +125°C

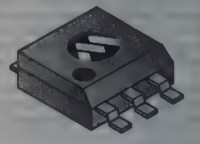
MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each		
				1	25	100
579-PIC10F200T-I/MC	PIC10F200T-I/MC	2x3 DFN-8	0.375KB Flash, 16B RAM, 4MHz intosc	1.08	.58	.56
579-PIC10F202T-I/MC	PIC10F202T-I/MC	2x3 DFN-8	0.75KB Flash, 24B RAM, 4MHz intosc	1.15	.61	.60
579-PIC10F204T-I/MC	PIC10F204T-I/MC	2x3 DFN-8	0.375KB Flash, 16B RAM, 4MHz intosc, comparator	1.15	.61	.60
579-PIC10F206T-I/MC	PIC10F206T-I/MC	2x3 DFN-8	0.75KB Flash, 24B RAM, 4MHz intosc, comparator	1.20	.65	.63
579-PIC10F206T-I/OT	PIC10F206T-I/OT	SOT-23-6	0.75KB Flash, 24B RAM, 4MHz intosc, comparator	1.01	.54	.53
579-PIC10F220-I/P	PIC10F220-I/P	PDIP-8	0.375KB Flash, 16B RAM, 8MHz intosc, ADC	1.08	.58	.57
579-PIC10F220T-I/MC	PIC10F220T-I/MC	2x3 DFN-8	0.375KB Flash, 16B RAM, 8MHz intosc, ADC	1.20	.65	.63
579-PIC10F220T-I/OT	PIC10F220T-I/OT	SOT-23-6	0.375KB Flash, 16B RAM, 8MHz intosc, ADC	1.01	.54	.53
579-PIC10F222-I/P	PIC10F222-I/P	PDIP-8	0.75KB Flash, 23B RAM, 8MHz intosc, ADC	1.15	.62	.60
579-PIC10F222T-I/MC	PIC10F222T-I/MC	2x3 DFN-8	0.75KB Flash, 23B RAM, 8MHz intosc, ADC	1.27	.68	.66
579-PIC10F222T-I/OT	PIC10F222T-I/OT	SOT-23-6	0.75KB Flash, 23B RAM, 8MHz intosc, ADC	1.08	.57	.56
579-PIC10F200-I/P	PIC10F200-I/P	PDIP-8	0.375KB Flash, 16B RAM, 4MHz intosc	.96	.52	.50
579-PIC10F200T-I/OT	PIC10F200T-I/OT	SOT-23-6	0.375KB Flash, 16B RAM, 4MHz intosc	.89	.48	.46
579-PIC10F202-I/P	PIC10F202-I/P	PDIP-8	768 B Flash, 24 RAM, 4 I/O	1.03	.55	.54
579-PIC10F202T-I/OT	PIC10F202T-I/OT	SOT-23-6	768 B Flash, 24 RAM, 4 I/O	.96	.51	.50
579-PIC10F204-I/P	PIC10F204-I/P	PDIP-8	0.375KB Flash, 16B RAM, 4MHz intosc, comparator	1.03	.55	.54
579-PIC10F204T-I/OT	PIC10F204T-I/OT	SOT-23-6	0.375KB Flash, 16B RAM, 4MHz intosc, comparator	.96	.51	.50
579-PIC10F206-I/P	PIC10F206-I/P	PDIP-8	0.75KB Flash, 24B RAM, 4MHz intosc, comparator	1.08	.58	.57
579-PIC10F206T-I/OT	PIC10F206T-I/OT	SOT-23-6	0.75KB Flash, 24B RAM, 4MHz intosc, comparator	1.01	.54	.53

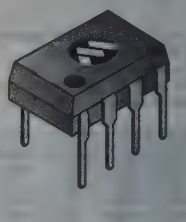
MICROCHIP PIC12XXX MCUs

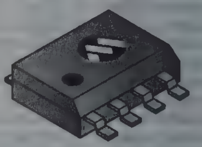
Features:

- Upwardly Compatible with PIC12Cxxx, 200ns Instruction Execution, 35 Instructions, 5 Oscillator Selections.
  (CSPTM; 6 I/O Pins; 1-8 bit, 1-16 bit Timer; 1-WDT; 1 Comparator; 400Hz Internal Oscillator, ICD; 20MHz Max Speed.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each		
				1	25	100
579-PIC12HV609-I/P	PIC12HV609-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, High Voltage	1.63	.87	.85
579-PIC12HV609-I/SN	PIC12HV609-I/SN	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, High Voltage	1.46	.79	.77
579-PIC12HV615-I/P	PIC12HV615-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, ADC, ECCP, High Voltage	1.51	.90	.88
579-PIC12HV615-I/SN	PIC12HV615-I/SN	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, ADC, ECCP, High Voltage	1.44	.87	.85
579-PIC12F508-I/P	PIC12F508-I/P	PDIP-8	0.75KB Flash, 25B RAM, 4MHz intosc	1.20	.96	.60
579-PIC12F508-I/SN	PIC12F508-I/SN	SOIC-8	0.75KB Flash, 25B RAM, 4MHz intosc	1.13	.90	.57
579-PIC12F509-I/MC	PIC12F509-I/MC	2x3 DFN-8	0.75KB Flash, 25B RAM, 4MHz intosc	1.33	1.06	.67
579-PIC12F509-I/P	PIC12F509-I/P	PDIP-8	0.75KB Flash, 25B RAM, 4MHz intosc	1.28	1.02	.64
579-PIC12F509-I/SN	PIC12F509-I/SN	SOIC-8	0.75KB Flash, 25B RAM, 4MHz intosc	1.20	.96	.60
579-PIC12F510-I/MC	PIC12F510-I/MC	2x3 DFN-8	1.5KB Flash, 38B RAM, 8MHz intosc, ADC, comparator	1.27	.76	.74
579-PIC12F510-I/P	PIC12F510-I/P	PDIP-8	1.5KB Flash, 38B RAM, 8MHz intosc, ADC, comparator	1.20	.72	.70
579-PIC12F510-I/SN	PIC12F510-I/SN	SOIC-8	1.5KB Flash, 38B RAM, 8MHz intosc, ADC, comparator	1.15	.69	.67
579-PIC12F609-I/P	PIC12F609-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator	1.54	.82	.80
579-PIC12F609-I/SN	PIC12F609-I/SN	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator	1.39	.74	.72
579-PIC12F615-I/P	PIC12F615-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, ADC, ECCP	1.44	.85	.83
579-PIC12F615-I/SN	PIC12F615-I/SN	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, ADC, ECCP	1.37	.82	.80
579-PIC12F629-I/MD	PIC12F629-I/MD	DFNS-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE	1.97	1.33	1.29
579-PIC12F629IP	PIC12F629-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE	1.68	.90	.88
579-PIC12F629-I/SN	PIC12F629-I/SN	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE	1.54	.82	.80
579-PIC12F635-I/P	PIC12F635-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE, Keeloq	1.99	1.07	1.04
579-PIC12F635-I/SN	PIC12F635-I/SN	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE, Keeloq	1.85	.98	.96
579-PIC12F675-I/MD	PIC12F675-I/MD	DFNS-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE, ADC	2.42	1.63	1.58
579-PIC12F683-I/MD	PIC12F683-I/MD	DFNS-8	3.5KB Flash, 128B RAM, 8MHz intosc, comparator, Data EE, ADC, CCP	2.71	1.82	1.77
579-PIC12F683-I/P	PIC12F683-I/P	PDIP-8	3.5KB Flash, 128B RAM, 8MHz intosc, comparator, Data EE, ADC, CCP	2.14	1.15	1.12
579-PIC12F683-I/SN	PIC12F683-I/SN	SOIC-8	3.5KB Flash, 128B RAM, 8MHz intosc, comparator, Data EE, ADC, CCP	1.99	1.07	1.04
579-PIC12F629-I/SN	PIC12F629-I/SN	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE	1.54	.82	.80
579-PIC12F675-I/P	PIC12F675-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE, ADC	1.85	.98	.96
579-PIC12F675-I/SN	PIC12F675-I/SN	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, Data EE, ADC	1.68	.90	.88


SOT-23


PDIP-8


SOIC-8

DFN-8

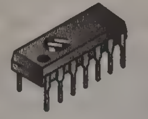
DFNS-8

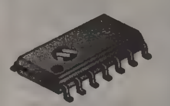
MICROCHIP PICMicro Microcontroller Family

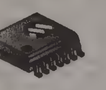
MICROCHIP

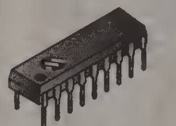
MICROCHIP PIC16XXX MCUs

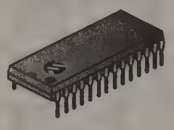
MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each 1	25	100
579-PIC16F505-I/P	PIC16F505-I/P	PDIP-14	1.5KB Flash, 72B RAM, 4MHz intosc	1.46	.79	.77
579-PIC16F505-I/SL	PIC16F505-I/SL	SOIC-14	1.5KB Flash, 72B RAM, 4MHz intosc	1.30	.69	.67
579-PIC16F505-I/ST	PIC16F505-I/ST	TSSOP-14	1.5KB Flash, 72B RAM, 4MHz intosc	1.54	.82	.80
579-PIC16F506-I/P	PIC16F506-I/P	PDIP-14	1.5KB Flash, 72B RAM, 8MHz intosc, ADC, comparator	1.39	.84	.82
579-PIC16F506-I/SL	PIC16F506-I/SL	SOIC-14	1.5KB Flash, 72B RAM, 8MHz intosc, ADC, comparator	1.22	.74	.72
579-PIC16F54-I/P	PIC16F54-I/P	PDIP-18	0.75KB Flash, 25B RAM	1.00	.80	.52
579-PIC16F57-I/P	PIC16F57-I/P	PDIP-28	3KB Flash, 72B RAM	1.55	1.24	.81
579-PIC16F59-I/P	PIC16F59-I/P	PDIP-40	3KB Flash, 134B RAM	1.87	1.00	.98
579-PIC16F610-I/P	PIC16F610-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator	1.92	1.03	1.00
579-PIC16F610-I/SL	PIC16F610-I/SL	SOIC-16	1.75KB Flash, 64B RAM, 8MHz intosc, comparator	1.68	.90	.88
579-PIC16F616-I/P	PIC16F616-I/P	PDIP-8	3.5KB Flash, 128B RAM, 8MHz intosc, comparator, ADC, ECCP	1.82	1.08	1.06
579-PIC16F616-I/SL	PIC16F616-I/SL	SOIC-8	3.5KB Flash, 128B RAM, 8MHz intosc, comparator, ADC, ECCP	1.66	.98	.96
579-PIC16F630-I/P	PIC16F630-I/P	PDIP-14	1.75KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE	2.06	1.19	1.16
579-PIC16F630-I/SL	PIC16F630-I/SL	SOIC-14	1.75KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE	1.99	1.07	1.04
579-PIC16F631-I/P	PIC16F631-I/P	PDIP-20	1.75KB Flash, 64B RAM, 4MHz intosc, comparator, Data EE	1.92	1.56	1.52
579-PIC16F631-I/SO	PIC16F631-I/SO	SOIC-20	1.75KB Flash, 64B RAM, 4MHz intosc, comparator, Data EE	2.09	1.25	1.22
579-PIC16F631-I/SS	PIC16F631-I/SS	SSOP-20	1.75KB Flash, 64B RAM, 4MHz intosc, comparator, Data EE	1.92	1.15	1.12
579-PIC16F636-I/P	PIC16F636-I/P	PDIP-14	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE	2.38	1.27	1.24
579-PIC16F636-I/SL	PIC16F636-I/SL	SOIC-14	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE	2.16	1.15	1.12
579-PIC16F636-I/ST	PIC16F636-I/ST	TSSOP-14	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE	2.45	1.31	1.28
579-PIC16F648A-I/P	PIC16F648A-I/P	PDIP-18	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE	3.65	1.90	1.83
579-PIC16F676-I/P	PIC16F676-I/P	PDIP-14	1.75KB Flash, 64B RAM, 4MHz intosc, comparator, Data EE, ADC	2.38	1.27	1.24
579-PIC16F676-I/SL	PIC16F676-I/SL	SOIC-14	1.75KB Flash, 64B RAM, 4MHz intosc, comparator, Data EE, ADC	2.14	1.15	1.12
579-PIC16F677-I/ML	PIC16F677-I/ML	QFN-20	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.26	1.34	1.31
579-PIC16F677-I/P	PIC16F677-I/P	PDIP-20	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.06	1.64	1.60
579-PIC16F677-I/SO	PIC16F677-I/SO	SOIC-20	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.21	1.33	1.30
579-PIC16F677-I/SS	PIC16F677-I/SS	SSOP-20	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.06	1.23	1.20
579-PIC16F684-I/ML	PIC16F684-I/ML	QFN-16	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.52	1.35	1.32
579-PIC16F684-I/P	PIC16F684-I/P	PDIP-14	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.52	1.35	1.32
579-PIC16F684-I/SL	PIC16F684-I/SL	SOIC-14	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.30	1.23	1.20
579-PIC16F684-I/ST	PIC16F684-I/ST	TSSOP-14	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.62	1.39	1.36
579-PIC16F685-I/P	PIC16F685-I/P	PDIP-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	2.90	1.80	1.76
579-PIC16F685-I/SO	PIC16F685-I/SO	SOIC-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	3.14	1.68	1.64
579-PIC16F685-I/SS	PIC16F685-I/SS	SSOP-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	2.76	1.48	1.44
579-PIC16F687-I/P	PIC16F687-I/P	PDIP-20	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.59	1.80	1.76
579-PIC16F687-I/SO	PIC16F687-I/SO	SOIC-20	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.95	1.64	1.60
579-PIC16F687-I/SS	PIC16F687-I/SS	SSOP-20	3.5KB Flash, 128B RAM, 4MHz intosc, comparator, Data EE, ADC	2.59	1.39	1.36
579-PIC16F688-I/P	PIC16F688-I/P	PDIP-14	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	2.69	1.44	1.40
579-PIC16F688-I/SL	PIC16F688-I/SL	SOIC-14	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	2.45	1.31	1.28
579-PIC16F689-I/P	PIC16F689-I/P	PDIP-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	2.90	1.80	1.76
579-PIC16F689-I/SO	PIC16F689-I/SO	SOIC-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	3.14	1.68	1.64
579-PIC16F689-I/SS	PIC16F689-I/SS	SSOP-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	2.76	1.48	1.44
579-PIC16F690-I/ML	PIC16F690-I/ML	QFN-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	3.14	1.68	1.64
579-PIC16F690-I/P	PIC16F690-I/P	PDIP-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	3.07	1.80	1.76
579-PIC16F690-I/SO	PIC16F690-I/SO	SOIC-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	3.14	1.68	1.64
579-PIC16F690-I/SS	PIC16F690-I/SS	SSOP-20	7KB Flash, 256B RAM, 4MHz intosc, comparator, Data EE, ADC	2.76	1.48	1.44
579-PIC16F716-I/P	PIC16F716-I/P	PDIP-18	3.5 KB Flash, 128 RAM, 13 I/O	1.85	.98	.96
579-PIC16F716-I/SO	PIC16F716-I/SO	SOIC-18	3.5 KB Flash, 128 RAM, 13 I/O	1.68	.90	.88
579-PIC16F716-I/SS	PIC16F716-I/SS	SSOP-20	3.5 KB Flash, 128 RAM, 13 I/O	2.69	1.61	1.57
579-PIC16F72-I/SO	PIC16F72-I/SO	SOIC-28	3.5 KB Flash, 128 RAM, 13 I/O	3.60	2.16	2.10
579-PIC16F72-I/SP	PIC16F72-I/SP	SPDIP-28	3.5 KB Flash, 128 RAM, 13 I/O	3.60	2.16	2.10
579-PIC16F737-I/SO	PIC16F737-I/SO	SOIC-28	7 KB Flash, 368 RAM, 25 I/O	6.36	3.48	3.42
579-PIC16F737-I/SP	PIC16F737-I/SP	SDIP-28	7 KB Flash, 368 RAM, 25 I/O	6.24	3.41	3.35
579-PIC16F73ISO	PIC16F73-I/SO	SOIC-28	7 KB Flash, 192 RAM, 22 I/O	5.62	3.36	3.27
579-PIC16F73ISP	PIC16F73-I/SP	SPDIP-28	7 KB Flash, 192 RAM, 22 I/O	5.62	3.36	3.27
579-PIC16F747-I/P	PIC16F747-I/P	PDIP-40	7 KB Flash, 368 RAM, 36 I/O	7.18	3.92	3.85
579-PIC16F747-I/PT	PIC16F747-I/PT	TQFP-44	7 KB Flash, 368 RAM, 36 I/O	7.30	3.99	3.92
579-PIC16F74IP	PIC16F74-I/P	PDIP-40	7 KB Flash, 192 RAM, 33 I/O	6.84	4.08	3.97
579-PIC16F74-I/PT	PIC16F74-i/PT	TQFP-44	7 KB Flash, 192 RAM, 33 I/O	8.21	4.89	4.76
579-PIC16F767-I/SO	PIC16F767-I/SO	SOIC-28	14 KB Flash, 368 RAM, 25 I/O	7.39	4.04	3.97
579-PIC16F767-I/SP	PIC16F767-I/SP	SDIP-28	14 KB Flash, 368 RAM, 25 I/O	7.25	3.96	3.89
579-PIC16F76-I/SO	PIC16F76-I/SO	SOIC-28	14 KB Flash, 368 RAM, 22 I/O	7.08	4.22	4.10
579-PIC16F76-I/SP	PIC16F76-I/SP	SPDIP-28	14 KB Flash, 368 RAM, 22 I/O	7.08	4.22	4.10
579-PIC16F777-I/P	PIC16F777-I/P	PDIP-40	14 KB Flash, 368 RAM, 36 I/O	7.99	4.35	4.27
579-PIC16F777-I/PT	PIC16F777-I/PT	TQFP-44	14 KB Flash, 368 RAM, 36 I/O	8.11	4.44	4.36
579-PIC16F77IP	PIC16F77-I/P	PDIP-40	14 KB Flash, 368 RAM, 33 I/O	7.82	4.66	4.53
579-PIC16F77-I/PT	PIC16F77-I/PT	TQFP-44	14 KB Flash, 368 RAM, 33 I/O	9.38	5.60	5.44
579-PIC16F785-I/P	PIC16F785-I/P	PDIP-20	3.5 KB Flash, 128 RAM, 18 I/O	2.90	1.72	1.68
579-PIC16F785-I/SO	PIC16F785-I/SO	SOIC-20	3.5 KB Flash, 128 RAM, 18 I/O	3.00	1.60	1.56
579-PIC16F785-I/SS	PIC16F785-I/SS	SSOP-20	3.5 KB Flash, 128 RAM, 18 I/O	2.62	1.39	1.36
579-PIC16F818-I/P	PIC16F818-I/P	PDIP-18	1.75 KB Flash, 128 RAM, 16 I/O	3.41	1.78	1.71
579-PIC16F818-I/SO	PIC16F818-I/SO	SOIC-18	1.75 KB Flash, 128 RAM, 16 I/O	3.46	1.81	1.74
579-PIC16F819-I/P	PIC16F819-I/P	PDIP-18	3.5 KB Flash, 256 RAM, 16 I/O	3.86	2.03	1.95
579-PIC16F819-I/SO	PIC16F819-I/SO	SOIC-18	3.5 KB Flash, 256 RAM, 16 I/O	3.96	2.06	1.98
579-PIC16F84A-04I/P	PIC16F84A-04I/P	PDIP-18	1.75 KB Flash, 68 RAM, 13 I/O	6.48	3.86	3.75
579-PIC16F84A-04I/SO	PIC16F84A-04I/SO	SOIC-18	1.75 KB Flash, 68 RAM, 13 I/O	6.60	3.93	3.82
579-PIC16F870-I/SO	PIC16F870-I/SO	SOIC-28	7 KB Flash, 128 RAM, 22 I/O	4.85	2.89	2.81
579-PIC16F870-I/SP	PIC16F870-I/SP	SPDIP-28	7 KB Flash, 128 RAM, 22 I/O	4.85	2.89	2.81
579-PIC16F871-I/P	PIC16F871-I/P	PDIP-40	7 KB Flash, 128 RAM, 33 I/O	5.74	3.14	3.08
579-PIC16F871-I/PT	PIC16F871-I/PT	TQFP-44	7 KB Flash, 128 RAM, 33 I/O	7.75	4.24	4.16
579-PIC16F872-I/SO	PIC16F872-!/SO	SOIC-28	7 KB Flash, 128 RAM, 22 I/O	4.85	2.89	2.81
579-PIC16F872-I/SP	PIC16F872-I/SP	SPDIP-28	7 KB Flash, 128 RAM, 22 I/O	4.85	2.89	2.81
579-PIC16F873A-I/SO	PIC16F873A-I/SO	SOIC-28	7 KB Flash, 192 RAM, 22 I/O	6.86	4.10	3.98
579-PIC16F873A-I/SP	PIC16F873A-I/SP	SPDIP-28	7 KB Flash, 192 RAM, 22 I/O	6.86	4.10	3.98
579-PIC16F87404L	PIC16F874-04/L	PLCC-44	7 KB Flash, 192 RAM, 33 I/O	9.12	6.58	6.12
579-PIC16F87404P	PIC16F874-04/P	PDIP-40	7 KB Flash, 192 RAM, 33 I/O	8.14	5.06	4.97
579-PIC16F87404IL	PIC16F874-04I/L	PLCC-44	7 KB Flash, 192 RAM, 33 I/O	10.03	7.24	6.74
579-PIC16F87404IP	PIC16F874-04I/P	PDIP-40	7 KB Flash, 192 RAM, 33 I/O	8.95	5.56	5.46
579-PIC16F87404IPT	PIC16F874-04I/PT	TQFP-44	7 KB Flash, 192 RAM, 33 I/O	12.07	7.49	7.36
579-PIC16F87420L	PIC16F874-20/L	PLCC-44	7 KB Flash, 192 RAM, 33 I/O	9.74	7.04	6.55
579-PIC16F87420P	PIC16F874-20/P	PDIP-40	7 KB Flash, 192 RAM, 33 I/O	8.71	5.42	5.32
579-PIC16F874A-I/P	PIC16F874A-I/P	PDIP-40	7 KB Flash, 192 RAM, 33 I/O	7.49	4.47	4.35
579-PIC16F874A-I/PT	PIC16F874A-I/PT	TQFP-44	7 KB Flash, 192 RAM, 33 I/O	8.64	5.14	5.00

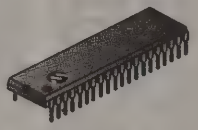

PDIP-14

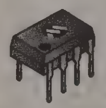

SOIC-14


TSSOP-14

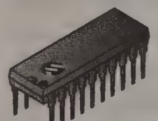

PDIP-18

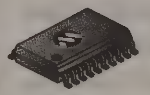

PDIP-28


PDIP-40


PDIP-8

SOIC-8

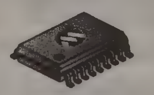

PDIP-20


SOIC-20

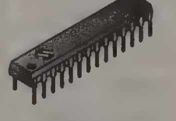
SSOP-20

QFN-20

QFN-16


SOIC-18

SOIC-28


SPDIP-28

TQFP-44

PLCC-44

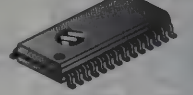
MICROCHIP PIC16XXX MCUs (CONT.)

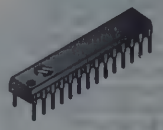
MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each		
				1	25	100
579-PIC16F876A-I/SO	PIC16F876A-I/SO	SOIC-28	7 KB Flash, 368 RAM, 22 I/O	7.39	4.41	4.29
579-PIC16F876A-I/SP	PIC16F876A-I/SP	SPDIP-28	7 KB Flash, 368 RAM, 22 I/O	7.39	4.41	4.29
579-PIC16F877A-I/P	PIC16F877A-I/P	PDIP-40	7 KB Flash, 368 RAM, 33 I/O	8.06	4.81	4.68
579-PIC16F877A-I/PT	PIC16F877A-I/PT	TQFP-44	7 KB Flash, 368 RAM, 33 I/O	9.29	5.55	5.40
579-PIC16F87-I/P	PIC16F87-I/P	PDIP-18	7 KB Flash, 368 RAM, 16 I/O	4.46	2.35	2.26
579-PIC16F87-I/SO	PIC16F87-I/SO	SOIC-18	7 KB Flash, 368 RAM, 16 I/O	4.61	2.40	2.31
579-PIC16F882-I/SO	PIC16F882-I/SO	SOIC-28	3.5KB Enh Flash, 128 RAM, 25 I/O	2.92	1.56	1.52
579-PIC16F882-I/SP	PIC16F882-I/SP	SPDIP-28	3.5KB Enh Flash, 128 RAM, 25 I/O	3.21	1.72	1.68
579-PIC16F882-I/SS	PIC16F882-I/SS	SSOP-28	3.5KB Enh Flash, 128 RAM, 25 I/O	2.88	2.30	1.44
579-PIC16F883-I/SO	PIC16F883-I/SO	SOIC-28	7KB Flash, 256 RAM, 25 I/O	3.05	2.44	1.77
579-PIC16F883-I/SP	PIC16F883-I/SP	SPDIP-28	7KB Flash, 256 RAM, 25 I/O	3.35	2.68	1.93
579-PIC16F883-I/SS	PIC16F883-I/SS	SSOP-28	7KB Flash, 256 RAM, 25 I/O	2.98	2.38	1.74
579-PIC16F884-I/P	PIC16F884-I/P	PDIP-40	7KB Flash, 256 RAM, 36 I/O	3.45	2.76	2.01
579-PIC16F884-I/PT	PIC16F884-I/PT	TQFP-44	7KB Flash, 256 RAM, 36 I/O	3.48	2.78	2.02
579-PIC16F886-I/SO	PIC16F886-I/SO	SOIC-28	14KB Flash, 368 RAM, 25 I/O	3.35	2.68	1.93
579-PIC16F886-I/SP	PIC16F886-I/SP	SPDIP-28	14KB Flash, 368 RAM, 25 I/O	3.63	2.90	2.09
579-PIC16F886-I/SS	PIC16F886-I/SS	SSOP-28	14KB Flash, 368 RAM, 25 I/O	3.28	2.62	1.90
579-PIC16F887-I/P	PIC16F887-I/P	PDIP-40	14KB Flash, 368 RAM, 36 I/O	3.88	3.10	2.23
579-PIC16F887-I/PT	PIC16F887-I/PT	TQFP-44	14KB Flash, 368 RAM, 36 I/O	3.93	3.14	2.24
579-PIC16F88-I/P	PIC16F88-I/P	PDIP-18	7 KB Flash, 368 RAM, 16 I/O	4.80	2.51	2.41
579-PIC16F913-I/SO	PIC16F913-I/SO	SOIC-28	7 KB Flash, 352 RAM, 25 I/O	3.91	2.10	2.05
579-PIC16F913-I/SP	PIC16F913-I/SP	SPDIP-28	7 KB Flash, 352 RAM, 25 I/O	4.27	2.30	2.25
579-PIC16F913-I/SS	PIC16F913-I/SS	SSOP-28	7 KB Flash, 352 RAM, 25 I/O	3.84	2.06	2.01
579-PIC16F914-I/P	PIC16F914-I/P	PDIP-40	7 KB Flash, 352 RAM, 36 I/O	4.58	2.45	2.39
579-PIC16F914-I/PT	PIC16F914-I/PT	TQFP-44	7 KB Flash, 352 RAM, 36 I/O	4.51	2.41	2.35
579-PIC16F916-I/SO	PIC16F916-I/SO	SOIC-28	14 KB Flash, 352 RAM, 25 I/O	4.42	2.36	2.30
579-PIC16F916-I/SP	PIC16F916-I/SP	SPDIP-28	14 KB Flash, 352 RAM, 25 I/O	4.80	2.57	2.50
579-PIC16F916-I/SS	PIC16F916-I/SS	SSOP-28	14 KB Flash, 352 RAM, 25 I/O	4.34	2.32	2.26
579-PIC16F917-I/P	PIC16F917-I/P	PDIP-40	14 KB Flash, 352 RAM, 36 I/O	5.18	2.78	2.71
579-PIC16F917-I/PT	PIC16F917-I/PT	TQFP-44	14 KB Flash, 352 RAM, 36 I/O	5.11	2.74	2.67
579-PIC16F946-I/PT	PIC16F946-I/PT	TQFP-64	14 KB Flash, 352 RAM	5.09	2.87	2.80
579-PIC16LF872ISO	PIC16LF872-I/SO	SOIC-28	3.5 KB Flash, 128 RAM, 22 I/O	5.11	3.05	2.96
579-PIC16LF872ISP	PIC16LF872-I/SP	SPDIP-28	3.5 KB Flash, 128 RAM, 22 I/O	5.11	3.05	2.96
579-PIC16LF872ISS	PIC16LF872-I/SS	SSOP-28	3.5 KB Flash, 128 RAM, 22 I/O	5.23	3.13	3.04
579-PIC16LF87304SO	PIC16LF873-04/SO	SOIC-28	7 KB Flash, 192 RAM, 22 I/O	7.85	5.23	5.02
579-PIC16LF87304SP	PIC16LF873-04/SP	SPDIP-28	7 KB Flash, 192 RAM, 22 I/O	7.85	4.86	4.77
579-PIC16LF87604ISO	PIC16LF876-04I/SO	SOIC-28	14 KB Flash, 368 RAM, 22 I/O	9.29	5.77	5.67
579-PIC16LF87604ISP	PIC16LF876-04I/SP	SPDIP-28	14 KB Flash, 368 RAM, 22 I/O	9.29	5.77	5.67
579-PIC16LF87704L	PIC16LF877-04/L	PLCC-44	14 KB Flash, 368 RAM, 33 I/O	10.34	7.47	6.95
579-PIC16LF88-I/P	PIC16LF88-I/P	PDIP-18	7 KB Flash, 368 RAM, 16 I/O	5.04	2.63	2.53
579-PIC16LF88-I/SO	PIC16LF88-I/SO	SOIC-18	7 KB Flash, 368 RAM, 16 I/O	5.11	2.69	2.59
579-PIC16HV610-I/P	PIC16HV610-I/P	PDIP-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, High Voltage	2.02	1.07	1.05
579-PIC16HV610-I/SL	PIC16HV610-I/SL	SOIC-8	1.75KB Flash, 64B RAM, 8MHz intosc, comparator, High Voltage	1.78	.95	.93
579-PIC16HV616-I/P	PIC16HV616-I/P	PDIP-8	3.5KB Flash, 128B RAM, 8MHz intosc, comparator, ADC, ECCP, High Voltage	1.90	1.13	1.10
579-PIC16HV616-I/SL	PIC16HV616-I/SL	SOIC-8	3.5KB Flash, 128B RAM, 8MHz intosc, comparator, ADC, ECCP, High Voltage	1.73	1.03	1.01

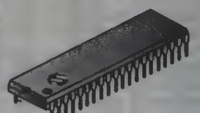
MICROCHIP PIC18XXX FLASH MCUs

- Upwardly Compatible with PIC18CXXX/PIC17C7XX/PIC16CXX/PIC16C5X/PIC12CXXX, 77 Instructions, C Compiler Efficient Instruction Set, Software Stack Capability, Table Read/Write, 10 MIPS, 4x PLL, Switchable Oscillator Sources, 25mA Source/Sink per I/O.

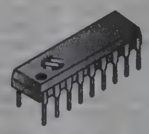
MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each		
				1	25	100
579-PIC18F1220-I/P	PIC18F1220-I/P	PDIP-18	4 KB Flash, 256 RAM, 16 I/O	4.46	2.38	2.32
579-PIC18F1220-I/SO	PIC18F1220-I/SO	SOIC-18	4 KB Flash, 256 RAM, 16 I/O	4.30	2.30	2.24
579-PIC18F1230-I/P	PIC18F1230-I/P	PDIP-18	4KB Flash, 256bytes-RAM 16I/O 8-bit Fam, nanoWatt,MotorControl	4.61	2.46	2.40
579-PIC18F1230-I/SO	PIC18F1230-I/SO	SOIC-18	4KB Flash, 256bytes-RAM 16I/O 8-bit Fam, nanoWatt,MotorControl	4.46	2.38	2.32
579-PIC18F1320-I/P	PIC18F1320-I/P	PDIP-18	8 KB Flash, 256 RAM, 16 I/O	4.92	2.62	2.56
579-PIC18F1320-I/SO	PIC18F1320-I/SO	SOIC-18	8 KB Flash, 256 RAM, 16 I/O	4.75	2.54	2.48
579-PIC18F1330-I/P	PIC18F1330-I/P	PDIP-18	4KB Flash, 256bytes-RAM 16I/O 8-bit Fam, nanoWatt,MotorControl	5.06	2.71	2.64
579-PIC18F1330-I/SO	PIC18F1330-I/SO	SOIC-18	4KB Flash, 256bytes-RAM 16I/O 8-bit Fam, nanoWatt,MotorControl	4.92	2.62	2.56
579-PIC18F2220-I/SO	PIC18F2220-I/SO	SOIC-28	4 KB Flash, 512 RAM, 25 I/O	7.68	4.58	4.45
579-PIC18F2220-I/SP	PIC18F2220-I/SP	SPDIP-28	4 KB Flash, 512 RAM, 25 I/O	7.68	4.58	4.45
579-PIC18F2221-I/SO	PIC18F2221-I/SO	SOIC-28	4 KB Flash, 512 RAM	4.54	2.65	2.61
579-PIC18F2221-I/SP	PIC18F2221-I/SP	SPDIP-28	4 KB Flash, 512 RAM	4.78	2.79	2.75
579-PIC18F2320-I/SO	PIC18F2320-I/SO	SOIC-28	8 KB Flash, 512 RAM, 25 I/O	8.30	4.96	4.82
579-PIC18F2320-I/SP	PIC18F2320-I/SP	SPDIP-28	8 KB Flash, 512 RAM, 25 I/O	8.30	4.96	4.82
579-PIC18F2321-I/SO	PIC18F2321-I/SO	SOIC-28	8 KB Flash, 512 RAM	4.80	2.80	2.76
579-PIC18F2321-I/SP	PIC18F2321-I/SP	SPDIP-28	8 KB Flash, 512 RAM	5.04	2.93	2.89
579-PIC18F2331-I/SO	PIC18F2331-I/SO	SOIC-28	8 KB Flash, 768 RAM, 22 I/O	6.77	3.61	3.52
579-PIC18F2331-I/SP	PIC18F2331-I/SP	SPDIP-28	8 KB Flash, 768 RAM, 22 I/O	7.06	3.77	3.68
579-PIC18F2410-I/SO	PIC18F2410-I/SO	SOIC-28	16 KB Flash, 3804 RAM, 25 I/O	6.65	3.97	3.86
579-PIC18F2410-I/SP	PIC18F2410-I/SP	SDIP-28	16 KB Flash, 3804 RAM, 25 I/O	6.91	4.13	4.01
579-PIC18F2420-I/SO	PIC18F2420-I/SO	SOIC-28	16 KB Flash, 3804 RAM, 25 I/O	7.87	4.71	4.58
579-PIC18F2420-I/SP	PIC18F2420-I/SP	SDIP-28	16 KB Flash, 3804 RAM, 25 I/O	8.14	4.86	4.73
579-PIC18F2423-I/SO	PIC18F2423-I/SO	SOIC-28	16KB, Flash, 768bytes-RAM, 25I/O	9.31	4.97	4.85
579-PIC18F2423-I/SP	PIC18F2423-I/SP	SPDIP-28	16KB, Flash, 768bytes-RAM, 25I/O	9.62	5.13	5.01
579-PIC18F2431-I/SO	PIC18F2431-I/SO	SOIC-28	16 KB Flash, 768 RAM, 22 I/O	7.06	3.77	3.68
579-PIC18F2431-I/SP	PIC18F2431-I/SP	SPDIP-28	16 KB Flash, 768 RAM, 22 I/O	7.37	3.94	3.84
579-PIC18F2450-I/SO	PIC18F2450-I/SO	SOIC-28	16KB Flash, 768 RAM, 23 I/O, FS-USB 2.0	6.14	3.67	3.58
579-PIC18F2450-I/SP	PIC18F2450-I/SP	SPDIP-28	16KB Flash, 768 RAM, 23 I/O, FS-USB 2.0	6.26	3.75	3.66
579-PIC18F2480-I/SO	PIC18F2480-I/SO	SOIC-28	16 KB Flash, 768 RAM, 25 I/O	9.34	5.58	5.43
579-PIC18F2480-I/SP	PIC18F2480-I/SP	SPDIP-28	16 KB Flash, 768 RAM, 25 I/O	9.41	5.61	5.46
579-PIC18F24J10-I/SO	PIC18F24J10-I/SO	SOIC-28	16 KB Flash, 1024 RAM	3.07	1.83	1.79
579-PIC18F24J10-I/SP	PIC18F24J10-I/SP	SPDIP-28	16 KB Flash, 1024 RAM	3.31	1.98	1.94


SOIC-28


SPDIP-28


PDIP-40

TQFP-44


PDIP-18

SOIC-18

SSOP-28

TQFP-64

PLCC-44

SOIC-8

PDIP-8

MICROCHIP PIC18XXX FLASH MCUS (CONT.)

MOUSER STOCK NO.		Package Type	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	100
579—	PIC18F2520-I/SO	SOIC-28	32 KB Flash, 3804 RAM, 25 I/O	8.81	5.25	5.11
579—	PIC18F2520-I/SP	SDIP-28	32 KB Flash, 3804 RAM, 25 I/O	9.07	5.41	5.26
579—	PIC18F2523-I/SO	SOIC-28	32KB, Flash, 1536bytes-RAM, 25I/O	10.27	5.49	5.35
579—	PIC18F2523-I/SP	SPDIP-28	32KB, Flash, 1536bytes-RAM, 25I/O	10.58	5.65	5.51
579—	PIC18F2550-I/SP	SPDIP-28	32 KB Flash, 2048 RAM, FS-USB 2.0	9.67	5.71	5.50
579—	PIC18F2550T-I/SO	SOIC-28	32 KB Flash, 2048 RAM, FS-USB 2.0	9.89	5.84	5.62
579—	PIC18F2580-I/SO	SOIC-28	32 KB Flash, 1536 RAM, 25 I/O	10.27	6.13	5.96
579—	PIC18F2580-I/SP	SPDIP-28	32 KB Flash, 1536 RAM, 25 I/O	10.32	6.16	5.99
579—	PIC18F25J10-I/SO	SOIC-28	32 KB Flash, 1024 RAM	3.36	2.01	1.97
579—	PIC18F25J10-I/SO	SOIC-28	32 KB Flash, 1024 RAM	3.36	2.01	1.97
579—	PIC18F25J10-I/SP	SPDIP-28	32 KB Flash, 1024 RAM	3.62	2.17	2.12
579—	PIC18F25J10-I/SP	SPDIP-28	32 KB Flash, 1024 RAM	3.62	2.17	2.12
579—	PIC18F2610-I/SO	SOIC-28	64 KB Flash, 3804 RAM, 25 I/O	9.43	5.63	5.47
579—	PIC18F2610-I/SP	SDIP-28	64 KB Flash, 3804 RAM, 25 I/O	9.67	5.77	5.61
579—	PIC18F2620-I/SO	SOIC-28	64 KB Flash, 3804 RAM, 25 I/O	10.54	6.30	6.13
579—	PIC18F2620-I/SP	SDIP-28	64 KB Flash, 3804 RAM, 25 I/O	10.90	6.50	6.32
573—	PIC18F2680-I/SO	SOIC-28	64 KB Flash, 3328 RAM, 25 I/O w/ECAN	12.02	7.18	6.98
579—	PIC18F2680-I/SP	SDIP-28	64 KB Flash, 3328 RAM, 25 I/O w/ECAN	12.26	7.31	7.11
579—	PIC18F2685-I/SO	SOIC-28	96KB, Flash, 3328bytes-RAM, 25I/O,ECAN	12.91	6.90	6.74
579—	PIC18F2685-I/SP	SPDIP-28	96KB, Flash, 3328bytes-RAM, 25I/O,ECAN	13.27	7.11	6.94
579—	PIC18F4220-I/P	PDIP-40	4 KB Flash, 512 RAM, 36 I/O	8.47	5.05	4.91
579—	PIC18F4220-I/PT	TQFP-44	4 KB Flash, 512 RAM, 36 I/O	9.77	5.83	5.67
579—	PIC18F4221-I/P	PDIP-40	4 KB Flash, 512 RAM	5.23	3.04	3.00
579—	PIC18F4221-I/PT	TQFP-44	4 KB Flash, 512 RAM	5.23	3.04	3.00
579—	PIC18F4320-I/P	PDIP-40	8 KB Flash, 512 RAM, 36 I/O	9.12	5.44	5.29
579—	PIC18F4320-I/PT	TQFP-44	8 KB Flash, 512 RAM, 36 I/O	10.39	6.20	6.03
579—	PIC18F4321-I/P	PDIP-40	8 KB Flash, 512 RAM	5.50	3.21	3.16
579—	PIC18F4321-I/PT	TQFP-44	8 KB Flash, 512 RAM	5.50	3.21	3.16
579—	PIC18F4410-I/P	PDIP-40	16 KB Flash, 3804 RAM, 36 I/O	7.85	4.67	4.54
579—	PIC18F4410-I/PT	TQFP-44	16 KB Flash, 3804 RAM, 36 I/O	7.90	4.72	4.59
579—	PIC18F4420-I/P	PDIP-40	16 KB Flash, 3804 RAM, 36 I/O	9.07	5.41	5.26
579—	PIC18F4420-I/PT	TQFP-44	16 KB Flash, 3804 RAM, 36 I/O	9.14	5.45	5.30
579—	PIC18F4423-I/P	PDIP-40	16KB, Flash, 768bytes-RAM, 36I/O	10.70	5.71	5.57
579—	PIC18F4423-I/PT	TQFP-44	16KB, Flash, 768bytes-RAM, 36I/O	10.63	5.67	5.53
579—	PIC18F4431-I/P	PDIP-40	16 KB Flash, 768 RAM, 34 I/O	7.99	4.27	4.17
579—	PIC18F4431-I/P	PDIP-40	16 KB Flash, 768 RAM, 34 I/O	7.99	4.27	4.17
579—	PIC18F4431-I/PT	TQFP-44	16 KB Flash, 768 RAM, 34 I/O	7.92	4.23	4.13
579—	PIC18F4431-I/PT	TQFP-44	16 KB Flash, 768 RAM, 34 I/O	7.92	4.23	4.13
579—	PIC18F4450-I/P	PDIP-40	16KB Flash, 768 RAM, 34 I/O, FS-USB 2.0	7.37	4.41	4.30
579—	PIC18F4450-I/PT	TQFP-44	16KB Flash, 768 RAM, 34 I/O, FS-USB 2.0	7.42	4.44	4.33
579—	PIC18F4480-I/P	PDIP-40	16 KB Flash, 768 RAM, 36 I/O	10.32	6.16	5.99
579—	PIC18F4480-I/PT	TQFP-44	16 KB Flash, 768 RAM, 36 I/O	10.37	6.19	6.02
579—	PIC18F44J10-I/P	PDIP-44	16 KB Flash, 1024 RAM	3.55	2.12	2.07
579—	PIC18F44J10-I/PT	TQFP-44	16 KB Flash, 1 KB RAM	3.58	2.14	2.09
579—	PIC18F4510-I/P	PDIP-40	32 KB Flash, 3804 RAM, 36 I/O	8.76	5.22	5.08
579—	PIC18F4510-I/PT	TQFP-44	32 KB Flash, 3804 RAM, 36 I/O	8.83	5.27	5.12
579—	PIC18F4520-I/P	PDIP-40	32 KB Flash, 3804 RAM, 36 I/O	10.01	5.95	5.79
579—	PIC18F4520-I/PT	TQFP-44	32 KB Flash, 3804 RAM, 36 I/O	10.06	6.00	5.83
579—	PIC18F4523-I/P	PDIP-40	32KB, Flash, 1536bytes-RAM, 36I/O	11.69	6.24	6.09
579—	PIC18F4523-I/PT	TQFP-44	32KB, Flash, 1536bytes-RAM, 36I/O	11.62	6.20	6.05
579—	PIC18F4550-I/P	PDIP-40	32 KB Flash, 2048 RAM, FS-USB 2.0	10.97	6.55	6.37
579—	PIC18F4550-I/PT	TQFP-44	32 KB Flash, 2048 RAM, FS-USB 2.0	11.06	6.59	6.41
579—	PIC18F4580-I/P	PDIP-40	32 KB Flash, 1536 RAM, 36 I/O	11.26	6.71	6.52
579—	PIC18F4580-I/PT	TQFP-44	32 KB Flash, 1536 RAM, 36 I/O	11.28	6.74	6.55
579—	PIC18F45J10-I/P	PDIP-40	32 KB Flash, 1 KB RAM	3.84	2.31	2.25
579—	PIC18F45J10-I/PT	TQFP-44	32 KB Flash, 1024 RAM	3.89	2.32	2.27
579—	PIC18F4610-I/P	PDIP-40	64 KB Flash, 3804 RAM, 36 I/O	10.61	6.31	6.14
579—	PIC18F4610-I/PT	TQFP-44	64 KB Flash, 3804 RAM, 36 I/O	10.66	6.36	6.18
579—	PIC18F4620-I/P	PDIP-40	64 KB Flash, 3804 RAM, 36 I/O	11.81	7.05	6.85
579—	PIC18F4620-I/PT	TQFP-44	64 KB Flash, 3804 RAM, 36 I/O	11.90	7.09	6.90
579—	PIC18F4680-I/P	PDIP-40	64 KB Flash, 3328 RAM, 36 I/O w/ECAN	13.22	7.88	7.66
579—	PIC18F4680-I/PT	TQFP-44	64 KB Flash, 3328 RAM, 36 I/O w/ECAN	13.30	7.92	7.70

MOUSER STOCK NO.		Package Type	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	100
579—	PIC18F4685-I/P	PDIP-44	96KB, Flash, 3328bytes-RAM, 36I/O,ECAN	14.18	7.59	7.41
579—	PIC18F4685-I/PT	TQFP-44	96KB, Flash, 3328bytes-RAM, 36I/O,ECAN	14.21	7.61	7.42
579—	PIC18F6310-I/PT	TQFP-64	8 KB Flash, 768 RAM, 68 I/O	5.52	2.95	2.88
579—	PIC18F6390-I/PT	TQFP-64	8 KB Flash, 768 RAM, 68 I/O	5.83	3.12	3.04
579—	PIC18F6410-I/PT	TQFP-64	16 KB Flash, 768 RAM, 68 I/O	6.29	3.36	3.28
579—	PIC18F6490-I/PT	TQFP-64	16 KB Flash, 768 RAM, 68 I/O	6.60	3.53	3.44
579—	PIC18F6520-I/PT	TQFP-64	32 KB Flash, 2048 RAM, 52 I/O	11.26	6.71	6.52
579—	PIC18F6527-I/PT	TQFP-64	48 KB Flash, 4K RAM, 70 I/O	10.82	5.91	5.81
579—	PIC18F65J10-I/PT	TQFP-64	32 KB Flash, 2 KB RAM	4.92	2.63	2.57
579—	PIC18F6622-I/PT	TQFP-64	64 KB Flash, 4K RAM, 70 I/O	11.93	6.53	6.41
579—	PIC18F6680-I/PT	TQFP-64	64 KB Flash, 3328 RAM, 52 I/O	14.54	8.68	8.44
579—	PIC18F66J10-I/PT	TQFP-64	64 KB Flash, 2 KB RAM	5.62	3.00	2.93
579—	PIC18F66J60-I/PT	TQFP-64	64KB Flash, 12KB RAM, 10BASE-T Ethernet	8.69	5.20	5.07
579—	PIC18F6722-I/PT	TQFP-64	128 KB Flash, 4K RAM, 70 I/O	16.06	8.78	8.62
579—	PIC18F67J10-I/PT	TQFP-64	128 KB Flash, 4 KB RAM	7.01	3.74	3.65
579—	PIC18F67J60-I/PT	TQFP-64	128KB Flash, 12KB RAM, 10BASE-T Ethernet	10.06	6.02	5.87
579—	PIC18F8310-I/PT	TQFP-80	8 KB Flash, 768 RAM, 70 I/O	6.60	3.53	3.44
579—	PIC18F8390-I/PT	TQFP-80	8 KB Flash, 768 RAM, 66 I/O	6.91	3.69	3.60
579—	PIC18F8410-I/PT	TQFP-80	16 KB Flash, 768 RAM, 70 I/O	7.37	3.94	3.84
579—	PIC18F8490-I/PT	TQFP-80	16 KB Flash, 768 RAM, 66 I/O	7.68	4.10	4.00
579—	PIC18F8520-I/PT	TQFP-80	32 KB Flash, 2048 RAM, 68 I/O	11.81	7.05	6.85
579—	PIC18F8622-I/PT	TQFP-80	64 KB Flash, 4K RAM, 70 I/O	12.94	7.07	6.95
579—	PIC18F8680-I/PT	TQFP-80	64 KB Flash, 3328 RAM, 68 I/O	15.17	9.05	8.80
579—	PIC18F86J10-I/PT	TQFP-80	64 KB Flash, 2 KB RAM	6.48	3.46	3.38
579—	PIC18F86J60-I/PT	TQFP-80	64KB Flash, 12KB RAM, 10BASE-T Ethernet	9.50	5.69	5.55
579—	PIC18F8722-I/PT	TQFP-80	128 KB Flash, 4K RAM, 70 I/O	17.04	9.31	9.14
579—	PIC18F87J10-I/PT	TQFP-80	128 KB Flash, 4 KB RAM	7.87	4.20	4.10
579—	PIC18F87J60-I/PT	TQFP-80	128KB Flash, 12KB RAM, 10BASE-T Ethernet	10.90	6.51	6.35
579—	PIC18F96J60-I/PT	TQFP-100	64KB Flash, 12KB RAM, 10BASE-T Ethernet	10.46	6.26	6.11
579—	PIC18F2220-I/SP	SPDIP-28	4 KB Flash, 512 RAM, 25 I/O	7.68	4.58	4.45
579—	PIC18F4220-I/P	PDIP-40	4 KB Flash, 512 RAM, 36 I/O	8.47	5.05	4.91
579—	PIC18F1320-I/P	PDIP-18	8 KB Flash, 256 RAM, 16 I/O	4.92	2.62	2.56
579—	PIC18F2320-I/SP	SPDIP-28	8 KB Flash, 512 RAM, 25 I/O	8.30	4.96	4.82
579—	PIC18F4320-I/P	PDIP-40	8 KB Flash, 512 RAM, 36 I/O	9.12	5.44	5.29
579—	PIC18F242-I/SO	SOIC-28	16 KB Flash, 768 RAM, 23 I/O	8.14	4.86	4.73
579—	PIC18F242-I/SP	SPDIP-28	16 KB Flash, 768 RAM, 23 I/O	8.14	4.86	4.73
579—	PIC18F248-I/SO	SOIC-28	16 KB Flash, 768 RAM, 23 I/O	9.77	5.83	5.67
579—	PIC18F248-I/SP	SPDIP-28	16 KB Flash, 768 RAM, 23 I/O	9.77	5.83	5.67
579—	PIC18F442-I/P	PDIP-40	16 KB Flash, 768 RAM, 34 I/O	9.07	5.41	5.26
579—	PIC18F448-I/P	PDIP-40	16 KB Flash, 768 RAM, 34 I/O	10.01	5.97	5.81
579—	PIC18F2539-I/SP	SPDIP-28	24 KB Flash, 1408 RAM, 21 I/O	8.88	5.30	5.15
579—	PIC18F4539-I/P	PDIP-40	24 KB Flash, 1408 RAM, 32 I/O	9.84	5.86	5.70
579—	PIC18C252ISO	SOIC-28	32 KB OTP, 1536 RAM, 23 I/O	9.14	7.05	5.57
579—	PIC18C252ISP	SPDIP-28	32 KB OTP, 1536 RAM, 23 I/O	9.14	7.05	5.57
579—	PIC18F252-I/SO	SOIC-28	32 KB Flash, 1536 RAM, 23 I/O	8.88	5.30	5.15
579—	PIC18F252-I/SP	SPDIP-28	32 KB Flash, 1536 RAM, 23 I/O	8.88	5.30	5.15
579—	PIC18F258-I/SO	SOIC-28	32 KB Flash, 1536 RAM, 23 I/O	10.66	6.35	6.17
579—	PIC18F258-I/SP	SPDIP-28	32 KB Flash, 1536 RAM, 23 I/O	10.66	6.35	6.17
579—	PIC18F452-I/P	PDIP-40	32 KB Flash, 1536 RAM, 34 I/O	9.84	5.86	5.70
579—	PIC18F458-I/P	PDIP-40	32 KB Flash, 1536 RAM, 34 I/O	10.80	6.44	6.26
579—	PIC18F6520-I/PT	TQFP-64	32 KB Flash, 2048 RAM, 52 I/O	11.26	6.71	6.52
579—	PIC18F8520-I/PT	TQFP0-80	32 KB Flash, 2048 RAM, 68 I/O	11.81	7.05	6.85
579—	PIC18F6585-I/PT	TQFP-64	48 KB Flash, 3328 RAM, 52 I/O	13.56	8.09	7.87
579—	PIC18F6525-I/PT	TQFP-64	48 KB Flash, 3840 RAM, 52 I/O	12.65	7.54	7.33
579—	PIC18F6680-I/PT	TQFP-64	64 KB Flash, 3328 RAM, 52 I/O	14.54	8.68	8.44
579—	PIC18F8680-I/PT	TQFP0-80	64 KB Flash, 3328 RAM, 68 I/O	15.17	9.05	8.80
579—	PIC18F6620-I/PT	TQFP-64	64 KB Flash, 3840 RAM, 52 I/O	16.66	9.92	9.65
579—	PIC18F6621-I/PT	TQFP-64	64 KB Flash, 3840 RAM, 52 I/O	13.56	8.09	7.87
579—	PIC18F8620-I/PT	TQFP0-80	64 KB Flash, 3840 RAM, 68 I/O	16.87	10.07	9.79
579—	PIC18F8621-I/PT	TQFP0-80	64 KB Flash, 3840 RAM, 68 I/O	14.23	8.48	8.25
579—	PIC18F6720-I/PT	TQFP-64	128 KB Flash, 3840 RAM, 52 I/O	18.50	11.03	10.73
579—	PIC18F8720-I/PT	TQFP0-80	128 KB Flash, 3840 RAM, 68 I/O	18.79	11.21	10.90

MICROCHIP 16-BIT PIC24 FLASH MCUs

16-bit PIC24 microcontrollers offer a new level of performance and higher integration. Features supporting this compatibility between these families include common:

- Instruction set & architecture (dsPIC DSCs add DSP capability)
- Peripherals
- Pin-out
- Tool Suite including MPLAB® IDE, C30 C Compiler & MPLAB® PM3 Programmer, Real Ice, Explorer 16 Development Board

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each		
				1	25	100
579-24FJ128GA006IPT	PIC24FJ128GA006-I/PT	TQFP-64	128KB Flash, 8 Kb RAM, 53 I/O	9.14	4.90	4.78
579-24FJ128GA008IPT	PIC24FJ128GA008-I/PT	TQFP-80	128KB Flash, 8 Kb RAM, 69 I/O	10.42	5.58	5.44
579-24FJ128GA010IPT	PIC24FJ128GA010-I/PT	TQFP-100	128KB Flash, 8 Kb RAM, 84 I/O	11.66	6.23	6.08
579-PIC24FJ32GA02SO	PIC24FJ32GA002-I/SO	SOIC-28	32KB, Flash, 8192bytes-RAM, 16MIPS, 21I/O	4.56	2.44	2.39
579-PIC24FJ32GA002SP	PIC24FJ32GA002-I/SP	SPDIP-28	32KB, Flash, 8192bytes-RAM, 16MIPS, 21I/O	4.92	2.64	2.57
579-PIC24FJ32GA004PT	PIC24FJ32GA004-I/PT	TQFP-44	32KB, Flash, 8192bytes-RAM, 16MIPS, 35I/O	5.01	2.69	2.63
579-PIC24FJ64GA002SO	PIC24FJ64GA002-I/SO	SOIC-28	64KB, Flash, 8192bytes-RAM, 16MIPS, 21I/O	5.71	3.06	2.98
579-PIC27FJ64GA002SP	PIC24FJ64GA002-I/SP	SPDIP-28	64KB, Flash, 8192bytes-RAM, 16MIPS, 21I/O	6.09	3.26	3.18
579-PIC24FJ64GA004PT	PIC24FJ64GA004-I/PT	TQFP-44	64KB, Flash, 8192bytes-RAM, 16MIPS, 35I/O	6.40	3.43	3.34
579-24FJ64GA006IPT	PIC24FJ64GA006-I/PT	TQFP-64	64KB Flash, 8 Kb RAM, 53 I/O	7.63	4.08	3.98
579-24FJ64GA008IPT	PIC24FJ64GA008-I/PT	TQFP-80	64KB Flash, 8 Kb RAM, 69 I/O	8.88	4.76	4.64
579-PIC24FJ64GA010	PIC24FJ64GA010-I/PT	TQFP-100	64KB Flash, 8 Kb RAM, 84 I/O	10.13	5.41	5.28
579-24FJ96GA006IPT	PIC24FJ96GA006-I/PT	TQFP-64	96KB Flash, 8 Kb RAM, 53 I/O	8.38	4.49	4.38
579-24FJ96GA008IPT	PIC24FJ96GA008-I/PT	TQFP-80	96KB Flash, 8 Kb RAM, 69 I/O	9.65	5.17	5.04
579-PIC24FJ96GA010	PIC24FJ96GA010-I/PT	TQFP-100	96KB Flash, 8 Kb RAM, 84 I/O	10.90	5.82	5.68
579-24FJ128GA006IPT	PIC24FJ128GA006-I/PT	TQFP-64	128KB Flash, 8 Kb RAM, 53 I/O	9.14	4.90	4.78
579-24FJ128GA008IPT	PIC24FJ128GA008-I/PT	TQFP0-80	128KB Flash, 8 Kb RAM, 69 I/O	10.42	5.58	5.44
579-24FJ128GA010IPF	PIC24FJ128GA010-I/PF	TQFP-100	128KB Flash, 8 Kb RAM, 84 I/O	12.98	6.95	6.78
579-24HJ256GP206IPT	PIC24HJ256GP206-I/PT	TQFP-64	16 Bit MCU40MIPS 256KB Flash	13.08	7.00	6.83
579-24HJ256GP610IPF	PIC24HJ256GP610-I/PF	TQFP-100	16 Bit MCU40MIPS 256KB Flash	17.95	9.61	9.38
579-24HJ64GP506IPT	PIC24HJ64GP506-I/PT	TQFP-64	16 Bit MCU40MIPS 64KB Flash	9.46	5.07	4.94

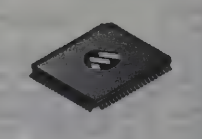
MICROCHIP PICMicro Microcontroller Family

MICROCHIP 16-BIT PIC24 FLASH MCUs (CONT.)

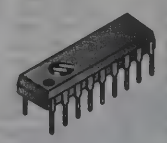
MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each		
				1	25	100
579-24FJ128GA010IPT	PIC24FJ128GA010-I/PT	TQFP 100	100 Pin, 128KB Flash, 8 Kb RAM, 84 I/O	11.66	6.23	6.08
579-24HJ128GP206IPT	PIC24HJ128GP206-I/PT	TQFP 64	16 Bit MCU 64LD 40MIPS 128KB FLASH	10.22	5.48	5.34
579-24HJ128GP210IPF	PIC24HJ128GP210-I/PF	TQFP 100	16 Bit MCU 100LD 40MIPS 128KB FLASH	13.58	7.27	7.09
579-24HJ128GP210IPT	PIC24HJ128GP210-I/PT	TQFP 100	16 Bit MCU 100LD 40MIPS 128KB FLASH	12.05	6.45	6.29
579-24HJ128GP306IPT	PIC24HJ128GP306-I/PT	TQFP 64	16 Bit MCU 64LD 40MIPS 128KB FLASH	10.56	5.66	5.52
579-24HJ128GP310IPF	PIC24HJ128GP310-I/PF	TQFP 100	16 Bit MCU 100LD 40MIPS 128KB FLASH	13.92	7.45	7.26
579-24HJ128GP310IPT	PIC24HJ128GP310-I/PT	TQFP 100	16 Bit MCU 100LD 40MIPS 128KB FLASH	12.38	6.63	6.46
579-24HJ128GP506IPT	PIC24HJ128GP506-I/PT	TQFP 64	16 Bit MCU 64LD 40MIPS 128KB FLASH	10.73	5.74	5.60
579-24HJ128GP510IPF	PIC24HJ128GP510-I/PF	TQFP 100	16 Bit MCU 100LD 40MIPS 128KB FLASH	14.04	7.51	7.33
579-24HJ128GP510IPT	PIC24HJ128GP510-I/PT	TQFP 100	16 Bit MCU 100 LD 128KB FLASH	12.50	6.69	6.53
579-PIC24HJ12GP201IP	PIC24HJ12GP201-I/P	PDIP 18	12KB Flash, 1KB RAM, 40 MIPS, 13 I/O, 16-bit MCU, nanoWatt	4.73	2.53	2.46
579-PIC24HJ12GP201SO	PIC24HJ12GP201-I/SO	SOIC 18	12KB Flash, 1KB RAM, 40 MIPS, 13 I/O, 16-bit MCU, nanoWatt	4.58	2.44	2.38
579-PIC24HJ12GP202ML	PIC24HJ12GP202-I/ML	QFN 28	12KB, Flash, 1024bytes-RAM, 40MIPS, 21I/O, 16-bit Family,nanoWatt	5.35	2.86	2.79
579-PIC24HJ12GP202SO	PIC24HJ12GP202-I/SO	SOIC 28	12KB, Flash, 1024bytes-RAM, 40MIPS, 21I/O, 16-bit Family,nanoWatt	4.97	2.66	2.59
579-PIC24HJ12GP202SP	PIC24HJ12GP202-I/SP	SPDIP 28	12KB, Flash, 1024bytes-RAM, 40MIPS, 21I/O, 16-bit Family,nanoWatt	5.28	2.82	2.75
579-24HJ256GP210IPF	PIC24HJ256GP210-I/PF	TQFP 100	16 Bit MCU 100LD 40MIPS 256KB FLASH	16.39	8.77	8.56
579-24HJ256GP210IPT	PIC24HJ256GP210-I/PT	TQFP 100	16 Bit MCU 100LD 40MIPS 256KB FLASH	14.86	7.95	7.76
579-24HJ256GP610IPT	PIC24HJ256GP610-I/PT	TQFP 100	16 Bit MCU 100LD 40MIPS 256KB FLASH	16.44	8.79	8.58
579-24HJ64GP206IPT	PIC24HJ64GP206-I/PT	TQFP 64	16 Bit MCU 64LD 40MIPS 64KB FLASH	8.88	4.76	4.64
579-24HJ64GP210IPF	PIC24HJ64GP210-I/PF	TQFP 100	16 Bit MCU 100LD 40MIPS 64KB FLASH	12.31	6.59	6.43
579-24HJ64GP210IPT	PIC24HJ64GP210-I/PT	TQFP 100	16 Bit MCU 100LD 40MIPS 64KB FLASH	10.78	5.77	5.63
579-24HJ64GP510IPF	PIC24HJ64GP510-I/PF	TQFP 100	16 Bit MCU 100LD 40MIPS 64KB FLASH	12.79	6.84	6.67
579-24HJ64GP510IPT	PIC24HJ64GP510-I/PT	TQFP 100	16 Bit MCU 100LD 40MIPS 64KB FLASH	11.26	6.02	5.87

MICROCHIP DSPIC 16-BIT DIGITAL SIGNAL CONTROLLERS

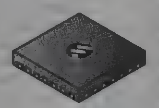
MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each		
				1	25	100
579-DSPIC30101030ISO	DSPIC30F1010-30I/SO	SOIC-28	6KB, Flash, 256bytes-RAM, 30MIPS, 21I/O	6.86	3.67	3.59
579-DSPIC30F101030I	DSPIC30F1010-30I/SP	SPDIP-28	6KB, Flash, 256bytes-RAM, 30MIPS, 21I/O	7.25	3.87	3.78
579-DSPIC30F201130IP	DSPIC30F2011-30I/P	DIP-18	16 Bit MCU/DSP 30MIPS 12 KB Flash	7.56	4.05	3.95
579-DS30F201130ISO	DSPIC30F2011-30I/SO	SOIC-18	16 Bit MCU/DSP 30MIPS 12KB Flash	7.46	3.99	3.89
579-DS30F201230ISO	DSPIC30F2012-30I/SO	SOIC-28	16 Bit MCU/DSP 30MIPS 12KB Flash	7.70	4.12	4.02
579-DS30F201230ISP	DSPIC30F2012-30I/SP	SPDIP-28	16 Bit MCU/DSP 30MIPS 12KB Flash	7.99	4.28	4.18
579-DSPIC30202030ISO	DSPIC30F2020-30I/SO	SOIC-28	12KB, Flash, 512bytes-RAM, 30MIPS, 21I/O	8.81	4.72	4.61
579-DSPIC30202030ISP	DSPIC30F2020-30I/SP	SPDIP-28	12KB, Flash, 512bytes-RAM, 30MIPS, 21I/O	9.19	4.92	4.80
579-DSPIC30202330IPT	DSPIC30F2023-30I/PT	TQFP-44	12KB, Flash, 512bytes-RAM, 30MIPS, 35I/O	9.77	5.23	5.10
579-DSPF301030IML	DSPIC30F3010-30I/ML	QFN-44	16 Bit MCU/DSP 30MIPS 24KB Flash	9.62	5.15	5.02
579-DSPF301030ISO	DSPIC30F3010-30I/SO	SOIC-28	16 Bit MCU/DSP 30MIPS 24KB Flash	9.31	4.99	4.86
579-DSPF301230IP	DSPIC30F3012-30I/P	DIP-18	16 Bit MCU/DSP 30MIPS 24KB Flash	8.62	4.61	4.50
579-DSPF301330ISP	DSPIC30F3013-30I/SP	SPDIP-28	16 Bit MCU/DSP 30MIPS 24KB Flash	10.01	5.17	5.04
579-30F4011-30I/ML	DSPIC30F4011-30I/ML	QFN 44	16 Bit MCU/DSP 44LD 30MIPS 48KB FLASH	12.38	6.63	6.46
579-30F4011-30I/P	DSPIC30F4011-30I/P	DIP 40	16 Bit MCU/DSP 40LD 30MIPS 48KB FLASH	12.05	6.45	6.29
579-30F4011-30I/PT	DSPIC30F4011-30I/PT	TQFP 44	16 Bit MCU/DSP 44LD 30MIPS 48KB FLASH	12.07	6.46	6.30
579-30F4012-30I/SO	DSPIC30F4012-30I/SO	SOIC 28	16 Bit MCU/DSP 28LD 30MIPS 48KB FLASH	10.68	5.72	5.58
579-30F4012-30I/SP	DSPIC30F4012-30I/SP	SPDIP-28	16 Bit MCU/DSP 30MIPS 48KB Flash	10.99	5.89	5.74
579-DSPF401330IP	DSPIC30F4013-30I/P	DIP-40	16 Bit MCU/DSP 30MIPS 48KB Flash	11.74	6.28	6.13
579-DSPF401330IPT	DSPIC30F4013-30I/PT	TQFP-44	16 Bit MCU/DSP 30MIPS 48KB Flash	11.76	6.30	6.14
579-DS30F501530IPT	DSPIC30F5015-30I/PT	TQFP-64	16 Bit MCU/DSP 30MIPS 66KB Flash	13.75	7.36	7.18
579-DS306010A30IPT	DSPIC30F6010A-30I/PT	TQFP-80	16 Bit MCU/DSP 30MIPS 14 KB Flash	19.10	10.22	9.98
579-DS30F6011A30IPT	DSPIC30F6011A-30I/PT	TQFP-64	16 Bit MCU/DSP 30MIPS 132KB Flash	17.76	9.50	9.27
579-DS30F6012A30IPT	DSPIC30F6012A-30I/PT	TQFP-64	16 Bit MCU/DSP 30MIPS 144KB Flash	18.05	9.66	9.42
579-DS30F6013A30IPT	DSPIC30F6013A-30I/PT	TQFP-80	16 Bit MCU/DSP 30MIPS 132KB Flash	18.60	9.96	9.72
579-DS30F6014A30IPT	DSPIC30F6014A-30I/PT	TQFP-80	16 Bit MCU/DSP 30MIPS 144KB Flash	19.10	10.22	9.98
579-DSPICFJ12GP201IP	DSPIC33FJ12GP201-I/P	PDIP 18	12KB Flash, 1KB RAM, 40 MIPS, 13 I/O, 16-bit DSC, nanoWatt	4.73	2.53	2.46
579-DSPICJ12GP201ISO	DSPIC33FJ12GP201-I/SO	SOIC 18	12KB Flash, 1KB RAM, 40 MIPS, 13 I/O, 16-bit DSC, nanoWatt	4.58	2.44	2.38
579-DSPICJ12GP202IML	DSPIC33FJ12GP202-I/ML	QFN 28	12KB, Flash, 1024bytes-RAM, 40MIPS, 21I/O, 16-bit Family,nanoWatt	5.66	3.03	2.95
579-DSPICJ12GP202ISO	DSPIC33FJ12GP202-I/SO	SOIC 28	12KB, Flash, 1024bytes-RAM, 40MIPS, 21I/O, 16-bit Family,nanoWatt	5.28	2.82	2.75
579-DSPICFJ12MC201IP	DSPIC33FJ12MC201-I/P	PDIP 20	12 KB Flash, 1 KB RAM, 40 MIPS, 13 I/O, 16-bit Motor Control DSC, nanoWatt	5.35	2.85	2.78
579-DSPICJ12MC201ISO	DSPIC33FJ12MC201-I/SO	SOIC 20	12 KB Flash, 1 KB RAM, 40 MIPS, 13 I/O, 16-bit Motor Control DSC, nanoWatt	5.04	2.69	2.62
579-DSPICJ12MC202IML	DSPIC33FJ12MC202-I/ML	QFN 28	12KB, Flash, 1024bytes-RAM, 40MIPS, 21I/O, 16-bit Family,nanoWatt,MotorControl	6.05	3.23	3.15
579-DSPICJ12MC202ISO	DSPIC33FJ12MC202-I/SO	SOIC 28	12KB, Flash, 1024bytes-RAM, 40MIPS, 21I/O, 16-bit Family,nanoWatt,MotorControl	5.50	2.94	2.86
579-DS33FJ128GP206IP	DSPIC33FJ128GP206-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 128KB Flash	10.61	5.67	5.54
579-DS33FJ128GP306IP	DSPIC33FJ128GP306-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 128KB Flash	11.02	5.90	5.76
579-DS33FJ128GP310PT	DSPIC33FJ128GP310-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 128KB Flash	12.84	6.87	6.70
579-33FJ128GP706IPT	DSPIC33FJ128GP706-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 128KB Flash	12.60	6.74	6.58
579-DS33FJ128GP708PT	DSPIC33FJ128GP708-I/PT	TQFP-80	16 Bit MCU/DSP40MIPS 128KB Flash	13.39	7.17	6.99
579-DS33FJ128GP710PT	DSPIC33FJ128GP710-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 128KB Flash	14.40	7.71	7.52
579-DS33FJ128MC506PT	DSPIC33FJ128MC506-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 128KB Flash	11.40	6.10	5.95
579-DS33FJ128MC510PT	DSPIC33FJ128MC510-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 128KB Flash	13.22	7.07	6.90
579-33FJ128MC706IPT	DSPIC33FJ128MC706-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 128KB Flash	12.36	6.61	6.45
579-DS33FJ128MC708PT	DSPIC33FJ128MC708-I/PT	TQFP-80	16 Bit MCU/DSP40MIPS 128KB Flash	13.61	7.28	7.10
579-DS33FJ128MC710PT	DSPIC33FJ128MC710-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 128KB Flash	14.62	7.82	7.63
579-DS33FJ256GP506PT	DSPIC33FJ256GP506-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 256KB Flash	13.99	7.49	7.31
579-DS33FJ256GP510PT	DSPIC33FJ256GP510-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 256KB Flash	15.82	8.46	8.26
579-DS33FJ256GP710PT	DSPIC33FJ256GP710-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 256KB Flash	17.57	9.40	9.17
579-DS33FJ256MC510PT	DSPIC33FJ256MC510-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 256KB Flash	16.03	8.58	8.37
579-DS33FJ256MC710PF	DSPIC33FJ256MC710-I/PF	TQFP-100	16 Bit MCU/DSP40MIPS 256KB Flash	19.32	10.33	10.08
579-DS33FJ256MC710PT	DSPIC33FJ256MC710-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 256KB Flash	17.78	9.51	9.28
579-DS33FJ64GP206IPT	DSPIC33FJ64GP206-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 64KB FLASH	9.36	5.00	4.88
579-DS33FJ64GP306IPT	DSPIC33FJ64GP306-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 64KB FLASH	9.77	5.23	5.10
579-DS33FJ64GP310IPT	DSPIC33FJ64GP310-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 64KB FLASH	11.59	6.20	6.05
579-DS33FJ64GP706IPT	DSPIC33FJ64GP706-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 64KB FLASH	11.33	6.07	5.92
579-DS33FJ64GP708IPT	DSPIC33FJ64GP708-I/PT	TQFP-80	16 Bit MCU/DSP40MIPS 64KB FLASH	12.14	6.49	6.34
579-DS33FJ64GP710IPT	DSPIC33FJ64GP710-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 64KB FLASH	13.15	7.04	6.86
579-DS33FJ64MC506IPT	DSPIC33FJ64MC506-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 64KB FLASH	10.15	5.44	5.31
579-DS33FJ64MC508IPT	DSPIC33FJ64MC508-I/PT	TQFP-80	16 Bit MCU/DSP40MIPS 64KB FLASH	10.97	5.87	5.73
579-DS33FJ64MC510IPT	DSPIC33FJ64MC510-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 64KB FLASH	11.95	6.40	6.24
579-DS33FJ64MC706IPT	DSPIC33FJ64MC706-I/PT	TQFP-64	16 Bit MCU/DSP40MIPS 64KB FLASH	11.09	5.94	5.79
579-DS33FJ64MC710IPT	DSPIC33FJ64MC710-I/PT	TQFP-100	16 Bit MCU/DSP40MIPS 64KB FLASH	13.37	7.15	6.98


TQFP-100

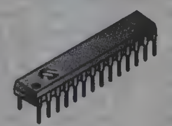
TQFP-64

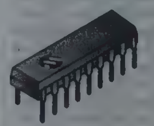

PDIP-18

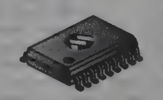
SOIC-18

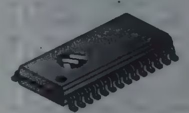

QFN-28

SOIC-28

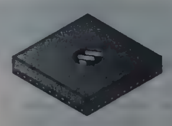

SPDIP-28

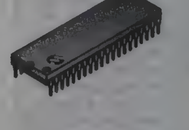

DIP-18


SOIC-18


SOIC-28

TQFP-44


QFN-44


DIP-40

TQFP-80

MICROCHIP MPLAB® ICE 2000, MPLAB® ICE 4000 EMULATOR SYSTEMS, AND REAL ICE & PERFORMANCE PACK

NEW PRODUCT

MOUSER STOCK NO.	Microchip Part No.	Descriptions	Price Each
MPLAB ICE 2000/4000 Accessories			
579-ACICE0107	ACICE0107	2000 Flex Cable	55.00
579-ICE2000	ICE2000	2000 Universal Emulator Pod Kit	1,525.00
579-ICE4000	ICE4000	4000 Emulator Pod Kit	2560.00
579-AC244002	AC244002	REAL ICE Performance Pak	159.98
579-DV244005	DV244005	REAL ICE Base probe kit	499.98
Socket Modules			
579-AC164121	AC164121	Ethernet PICtail Daughter Board	39.99
579-AC164122	AC164122	PICtail Daughter Board for SD & MMC cards	37.99
579-AC164123	AC164123	Ethernet PICtail Plus Daughter Board	39.99
579-AC164125	AC164125	Speech Playback PICtail	45.00
579-AC164126	AC164126	PICtail Plus Prototype Daughter Board	20.00
579-AC004004	AC004004	ICSP Programming for PRO MATE II	349.99
579-AC164001	AC164001	PIC16C52, 54, HV540, 55, 56, 57, 58A, HCS5XX PDIP PRO MATE II 18 & 28 LD	159.99
579-AC164002	AC164002	PIC16C52, 54, HV540, 55, 56, 57, 58A, HCS5XX SOIC PRO MATE II 18 & 28 LD	159.99
579-AC164010	AC164010	PIC16C55X, 61, 62X, CE62X, F62X, 71, 71X, 83, 84 PDIP/SOIC PRO MATE II 18 LD	189.99
579-AC164012	AC164012	PIC16C62, 63, 64, 65, 66, 67, 642, 662, 72, 73, 74, 745, 76, 765, 77, 773, 774, F87X, 18CXX2 PDIP PRO MATE II 28 & 40 LD (and "A" & "B" Versions)	159.99
579-AC164015	AC164015	PIC16C54, HV540, 55, 56, 57, 58 SSOP PRO MATE II 20 & 28 LD	209.99
579-AC164017	AC164017	PIC16C62, 63, 66, 642, 72, 73, 745, 76, 773, F870, 873, 876, 18C2X2 SOIC PRO MATE II 28 LD	159.99
579-AC164018	AC164018	PIC16C62X, CE62X, F62X, C71X, 770, 771, 554, 558 SSOP PRO MATE II 20 LD	159.99
579-AC164021	AC164021	PIC16C62, 63A, 72, 73B, 745, 773, F870 SSOP PRO MATE II 28 LD	189.99
579-AC164026	AC164026	PIC12F629, 675, PIC16C505, 51X, 50XA, PIC16F630, 676 SOIC/TSSOP (150 mil) PRO MATE II 8 & 14 LD	159.99
579-AC164301	AC164301	18L/28L/40L DIP for MPLAB PM3	189.99
579-AC164303	AC164303	64L TQFP for MPLAB PM3	189.99
579-AC164304	AC164304	80L TQFP for MPLAB PM3	189.99
579-AC164305	AC164305	44L TQFP for MPLAB PM3	189.99
579-AC164307	AC164307	28L SSOP for MPLAB PM3	189.99
579-AC164308	AC164308	68L PLCC for MPLAB PM3	189.99
579-AC164309	AC164309	44L PLCC for MPLAB PM3	189.99
579-AC164350	AC164350	PROMATE II to MPLAB PM3 Adapter	129.99
579-AC174002	AC174002	PIC17C42A, 43, 44 PLCC PRO MATE II 44 LD	159.99
579-AC174007	AC174007	PIC17C75X, 18C658 PLCC PRO MATE II 68 LD	159.99
579-AC174008	AC174008	PIC17C75X, 18C658 TQFP PRO MATE II 64 LD	159.99
Header Interfaces			
579-AC162050	AC162050	(8 PDIP) for PIC12F629/675 ICD 2	25.00
579-AC162051	AC162051	(28/40 PDIP) for ICD and ICD 2 debuggers	19.99
579-AC162052	AC162052	(14 PDIP) for PIC16F676/630 ICD 2	25.00
579-AC162053	AC162053	MPLAB ICD 2 for PIC16F627A, 628A, 648A (18 PDIP)	35.00
579-AC162055	AC162055	MPLAB ICD 2 for PIC16F684 (14 PDIP)	25.00
579-AC162056	AC162056	MPLAB ICD 2 for PIC16F688 (14 PDIP)	25.00
579-XLT20SS1	XLT20SS1	20 LD (209 mil SS) 20 LD Shrink Small Outline Transition Socket	75.00
Transition Sockets			
579-XLT08SO	XLT08SO	8 LD (150 & 208 mil SOIC) Small Outline	35.00
579-XLT14SO-1	XLT14SO-1	14 LD (150 & 208 mil SOIC) Small Outline	35.00
579-XLT18SO	XLT18SO	18 LD (300 mil SOIC) Small Outline	75.00
579-XLT28QFN	XLT28QFN	28 LD QFN	175.00
579-XLT28SO	XLT28SO	28 LD (300 mil SOIC) Small Outline	75.00
579-XLT28SS	XLT28SS	28 LD (209 mil SSOP) Small Outline	75.00
579-XLT44L2	XLT44L2	44L PLCC ICE4000 DAF18-3 PIC18F452/442	175.00
579-XLT44PT	XLT44PT	44 LD Plastic Quad Flatpack (PQFP) and Thin Quad Flatpack (TQFP)	125.00
579-XLT64PT3	XLT64PT3	64 LD Plastic Thin Quad FlatpacK (TQFP) (.8 mm pitch)	125.00
579-XLT80PT	XLT80PT	80 LD Plastic Thin Quad Flatpack (TQFP) for PIC18C801	125.00
579-XLT80PT2	XLT80PT2	80 LD Plastic Thin Quad Flatpack (TQFP) (.65 mm pitch)	125.00
Device Adapters, Adapter Plugs and Kits			
579-AC164031	AC164031	28L QFN to 28L DIP for PICSTART Plus & PROMATE II w/AC164012	159.99
579-DVA16PQ441	DVA16PQ441	PIC16C64A, 65A, 65B, 67, 662, 74A, 74B, 765, 77, 774, F871,F871A, 874, 877, PIC18CXX2 PQFP and TQFP 44 LD	225.00
579-DVA16XP182	DVA16XP182	PIC16C712, 716 PDIP, SOIC, SSOP 18 LD	165.00
579-DVA16XP282	DVA16XP282	PIC16C62A, 63, 63A, 642, 66, 72, 72A, 73A, 73B, 745, 76, 773, F870,F87A, F872,F872A, 873, 876, PIC18CXX2 P, SO, and SS 28 LD	165.00
579-DVA16XP401	DVA16XP401	PIC16C64A, 65A, 65B, 67, 662, 74A, 74B, 765, 77, 774, F871, F871A, 874, 877, PIC18CXX2 PDIP 40 LD	165.00
579-DVA18PQ440	DVA18PQ440	PIC18F4220, 4320 TQFP 44 LD	225.00
579-DVA18XP180	DVA18XP180	PIC18F1320, 1220, 16C717 PDIP 18 LD	165.00
579-DVA18XP280	DVA18XP280	PIC18F2220, 2320 PDIP 28LD	165.00
Processor Modules			
579-PCM16XK1	PCM16XK1	PIC16F87X w/ RTMR	445.00
579-PCM18XJ0	PCM18XJ0	PIC18F1320, 1220	445.00
579-PMF30XA1	PMF30XA1	dsPIC30F ICE4000	595.00
579-PCM12XB0	PCM12XB0	PIC12F629, 675 Processor Module	445.00
579-PCM12XC0	PCM12XC0	PIC12F683 Processor Module	445.00
579-PCM16YD0	PCM16YD0	PIC16F630, 676 Processor Module	445.00
579-PCM16YH0	PCM16YH0	PIC16F777, 767, 747, 737 Processor Module	445.00
579-PCM16YL0	PCM16YL0	PIC16F688 Processor Module	445.00
579-PCM16YN0	PCM16YN0	PIC16F785 Processor Module	445.00
579-PCM16YP0	PCM16YP0	PIC16F913, 914, 916, 917 Processor Module	445.00
579-PCM16YQ0	PCM16YQ0	PIC16F685, 688, 689, 690 Processor Module	445.00

MICROCHIP Demo Boards and Development Products

PICDEM Z ZIGBEE™ DEMONSTRATION KIT

The PICDEM™ Z demonstration kit is an easy-to-use ZigBee™ Technology wireless communication protocol development and demonstration platform. The demonstration kit includes the ZigBee protocol stack and two PICDEM Z boards, each with an RF daughter card. The demonstration board is also equipped with a 6-pin modular connector to interface directly with Microchip's MPLAB® ICD 2 in-circuit debugger (DV164005).

Key Features of the PICDEM Z Demonstration Kit Includes:

- ZigBee software stack supporting RFD (Reduced Function Device), FFD (Full Function Device) and Coordinator
- PIC18LF4620 MCU featuring nanoWatt Technology, 64 KB Flash memory and robust integrated peripherals
- Microchip MRF24J40 RF transceiver and antenna interface via daughter card for flexibility
- ZENA™ wireless network analyzer tool including software protocol stack configuration (DM183023)
- ICSP™ and MPLAB ICD 2 interface connector
- RS-232 interface
- 9V DC to 3.3V DC regulator
- Temperature sensor (Microchip TC77), LEDs, and button switches to support demonstration

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DM163027-4	DM163027-4	PICDEM Z Demonstration Kit	269.99

PICKIT™ STARTER KITS AND DEMO BOARDS

Important Note: The PICkit(tm) 1 FLASH Starter Kit software will not run on Windows 98 1st edition.
DO NOT INSTALL THIS SOFTWARE ON WINDOWS 98 1ST EDITION

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DV164101	DV164101	PICkit 1 8/14P Flash Starter Kit	36.00
579-DV164122	DV164122	PICkit Serial Analyzer (with 28-Pin Demo Board)	49.99
579-DM164120-1	DM164120-1	PICkit Low Pin Count Demo Board	23.99
579-DM164120-2	DM164120-2	PICkit 2 44-Pin Count Demo Board	23.99
579-DV164120	DV164120	PICkit 2 Starter Kit	49.99
579-DV164121	DV164121	PICkit 2 Debug Express	49.99
579-PG164120	PG164120	PICkit 2 Microcontroller Programmer	34.99

DEMONSTRATION KITS

NEW PRODUCT

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
PicMicro			
579-DM163022	DM163022	PICDEM 2 Plus 'PIC16C62, 63, 64, 65, 66, 67, 72, 73, 74, 76, 77, 87X, 773, 774, 18CXX2, 662, 642, 18FXXX Demo Board w/ ICD interface	99.99
579-DM163014	DM163014	PICDEM 4 Demo Board for PIC12F629, 675, PIC16F630, 676, 684, 627A, 628A, 648A, 818, 819, 87, 88, 1220, 1320	129.99
579-DM163028	DM163028	PICDEM LCD Development Kit	125.00
579-DM163029	DM163029	PICDEM Mechatronics	149.00
579-DM183011	DM183011	PICDEM MC Demo Board	299.99
579-DM240001	DM240001	PICDEM PIC24/dsPIC33 Explorer 16 Kit	129.99
Connectivity			
579-DM163008	DM163008	MCP2120/2150 Developers Kit for IR communication	279.00
579-DV250501	DV250501	MCP250XX CAN Developer's Kit	165.00
579-DV251001	DV251001	MCP2510/2515 CAN Developer's Kit	239.99
579-DM163011	DM163011	PICDEM CAN-LIN 2 for PIC18FXX8	199.99
579-DM163015	DM163015	PICDEM CAN-LIN 3	199.00
579-DM163010	DM163010	PICDEM USB Demonstration Board for PIC16C7X5	125.00

DSPIC 16 BIT DSC DEMONSTRATION BOARDS

NEW PRODUCT

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DM300018	DM300018	dsPICDEM 2 Demo Board	99.99
579-DM300019	DM300019	dsPICDEM 80L Starter Demo Board	79.99
579-DM300023	DM300023	dsPICDEM SMPS Buck Demo Board	149.99
579-DM300024	DM300024	dsPICDEM 1.1 General Purpose Demo Board	299.00
579-DM300020	DM300020	dsPICDEM MC1 Motor Control Development Board	300.00
579-DM300021	DM300021	dsPICDEM MC1H 3-Phase High Voltage Power Module	800.00
579-DM300022	DM300022	dsPICDEM MC1L 3-Phase Low Voltage Power Module	700.00
579-DM300027	DM300027	16-bit 28-PIN Starter Demo Board	79.99

DEMO AND EVKITS FOR PICMICRO

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DV103003	DV103003	13.56MHz Anti-collision microID Developer's Kit	999.00
579-DM300017	DM300017	dsPICDEM 28P Starter	79.00
579-DM303006	DM303006	General Purpose Keeloq Evaluation Kit (replaces DM303002)	249.99
579-DV164006	DV164006	MPLAB In-Circuit Debugger 2 Evaluation Kit	229.99
579-DV164032	DV164032	MPLAB ICD 2 with dsPICDEM 1.1 Demo Board	399.99
579-DV164033	DV164033	MPLAB ICD 2 with Explorer 16 Dev. Board	299.99
579-DV164005	DV164005	MPLAB In-Circuit Debugger 2 Module (ICD 2 Module and USB cable)	159.99
579-DV164007	DV164007	MPLAB In-Circuit Debugger 2 Module ws (ICD 2 Module, USB & RS232 cable, Pwr Spl)	189.99
579-DV007004	DV007004	Production Programmer/Development Kit.with built-in ICSP. Programs PICmicro & dsPIC30F devices.	895.00
579-DV243002	DV243002	SERIAL EEPROM Evaluation Kit for Windows	99.99

MPLAB CXX COMPILER

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-SW006011	SW006011	C Compiler for PIC18XXXX Family	495.00
579-SW006012	SW006012	C Compiler for dsPIC30FXXXX Family	895.00

FAN SPEED CONTROLLER AND DIGITAL THERMOMETER DEMO BOARDS

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-TC642DEMO	TC642DEMO	Demo Board for TC642/646/647/648/649, Fan Speed Controllers	89.99
579-TC652DEMO	TC652DEMO	Demo Board for TC652/653, Fan Speed Controllers	49.99
579-TC74DEMO	TC74DEMO	Demo Board for TC74, Tiny Serial Digital Thermal Sensor	49.99

DEVELOPMENT TOOLS

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-MCP9800DM-PCTL	MCP9800DM-PCTL	Thermal Sensor PICtail Demo Board	25.00
579-MCP9800DM-DL	MCP9800DM-DL	Tempurature Data Logger Demo Board	35.00
579-TC74DEMO	TC74DEMO	Tiny Serial Digital Thermal Sensor Demo Board	49.99
579-TC1047ADM-PICTL	TC1047ADM-PICTL	Temperature to Voltage	10.00
579-DV3204A	DV3204A	MCP3204/08 Eval. System Daughter Board	89.99
579-MCP3221DM-PCTL	MCP3221DM-PCTL	PICtail™ Demonstration Board	25.00
579-MCP3551DM-PCTL	MCP3551DM-PCTL	Delta Sigma ADC Demo Board	40.00
579-MCP355XDM-TAS	MCP355XDM-TAS	Tiny Application Sensor Demo Board	45.00
579-MCP402XEV	MCP402XEV	Non-Volatile Digital Potentiometer Eval Board	15.00
579-MCP4XXXDM-DB	MCP4XXXDM-DB	Digipot Daughter Board	25.00
579-MCP9700DM-PCTL	MCP9700DM-PCTL	Temp-to-Voltage Conv. PICtail™	10.00
579-MXSIGDM	MXSIGDM	Mixed Signal PICtail Demo Board	65.00
579-DV251001	DV251001	MCP2510/2515 CAN Developer's Kit	239.99
579-MCP2515DM-PCTL	MCP2515DM-PCTL	CAN Controller PICtail Demo Board	40.00
579-MCP215XDM	MCP215XDM	Data Logger Demonstration Board	60.00
579-MCP2140DM-TMPSNS	MCP2140DM-TMPSNS	IrDA Wireless Temp Demonstration	45.00
579-MCP212XEV-DB	MCP212XEV-DB	Developer's Daughter Board	35.00
579-MCP23X08EV	MCP23X08EV	8-bit GPIO Expander Evaluation Board	25.00
579-MCP23X17EV	MCP23X17EV	Evaluation Board	40.00
579-SOIC8EV	SOIC8EV	8-Pin SOIC/MSOP/TSSOP/DIP Eval Board	10.00
579-VSUPEV	VSUPEV	Voltage Supervisor Evaluation Board	5.00
579-VSUPEV2	VSUPEV2	Voltage Supervisor SOT23-5/6 Eval Board	10.00

MICROCHIP EVALUATION BOARDS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-MCP1252DM-BKLT	MCP1252DM-BKLT	MCP1252 Charge Pump Backlight Demo Board	30.00
579-MCP1601EV	MCP1601EV	MCP1601 Buck Regulator Evaluation Board	30.00
579-MCP1612EV	MCP1612EV	MCP1612 Synchronous Buck Regulator Evaluation Board	35.00
579-MCP1726EV	MCP1726EV	MCP1726 1A LDO Evaluation Board	30.00
579-MCP73831EV	MCP73831EV	MCP73821 Evaluation Board	45.00
579-MCP73833EV	MCP73833EV	MCP73833 Evaluation Board	20.00
579-MCP7386XEV	MCP7386XEV	MCP7386X Li-Ion Battery Charger Evaluation Board	30.00
579-TC1016/17EV	TC1016/17EV	TC1016/17 LDO Linear Regulator Evaluation Board	45.00

MICROCHIP DEVELOPMENT TOOLS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Technology Type	Description	Price Each
579-MCP6S2XEV	MCP6S2XEV	Analog	MCP6S2X PGA Evaluation Board	30.00
579-MCP6SX2DM-PCTLPD	MCP6SX2DM-PCTLPD	Analog	MCP6SX2DM-PCTLPD	25.00
579-MCP6SX2DM-PCTLTH	MCP6SX2DM-PCTLTH	Analog	MCP6SX2 PGA Thermistor PICtail Demo Board	35.00

OKI ARM® Microcontrollers

OKI

Products may be RoHS compliant.
Check mouser.com for RoHS status.

OKI 16/32-BIT ARM®-BASED MICROCONTROLLERS

◆ Surface Mount Device

Features:

- Max Frequency (Single Cycle FLASH): 33.333 MHz
- System Timer: 1
- DMA: 2 Channel
- 16-bit Real Time Clock: 1
- 16-bit Watchdog Timer: 1
- 16-bit Flexible Timer (AR/IC/OC/PW/SM): 6 Channel
- 10-bit A/D: 4 channel
- Multi-Master I²C: 1
- Master/Slave SPI with FIFOs: 2
- 9-bit capable UARTS with FIFOs: 2
- 12S: 1 Channel
- 2 Channels
- Serial I/O: 1 Channel
- GPIO 40/108

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Oki Semiconductor Part No.	Package	Core Voltage (V)	I/O Voltage (V)	Flash (KB)	RAM (KB)	External Bus 8/16/32bit	32kHz Sub Clock	Ring Oscillator	9-bit UART with FIFOs	External Interrupts	FIQ Interrupts	I/O Pins	Price Each	
														1	25
◆ 848-ML67Q4050TC	ML67Q4050-1NNNTCZG3A	LQFP-144	2.5	2.5-3.3	64	16	Yes	Yes	Yes	2	4	1	108	12.83	11.66
◆ 848-ML67Q4060LA	ML67Q4060-1NNNLAZG3A	LFBGA-84	2.5	2.5-3.3	64	16	No	Yes	Yes	2	4	1	40	12.45	11.32
◆ 848-ML67Q4060TB	ML67Q4060-1NNNTBZG3A	TQFP-64	2.5	2.5-3.3	64	16	No	Yes	Yes	2	4	1	40	10.96	9.96
◆ 848-ML67Q4060HA	ML67Q4060-1NNNHAZG3A	WCSP-64	2.5	2.5-3.3	64	16	No	Yes	Yes	2	4	1	40	12.45	11.32
◆ 848-ML67Q4051TC	ML67Q4051-1NNNTCZG3A	LQFP-144	2.5	2.5-3.3	128	16	Yes	Yes	Yes	2	4	1	108	14.06	12.80
◆ 848-ML67Q4061LA	ML67Q4061-1NNNLAZG3A	LFBGA-84	2.5	2.5-3.3	128	16	No	Yes	Yes	2	4	1	40	13.84	12.58
◆ 848-ML67Q4061TB	ML67Q4061-1NNNTBZG3A	TQFP-64	2.5	2.5-3.3	128	16	No	Yes	Yes	2	4	1	40	12.19	11.08
◆ 848-ML67Q4061HA	ML67Q4061-1NNNHAZG3A	WCSP-64	2.5	2.5-3.3	128	16	No	Yes	Yes	2	4	1	40	13.84	12.58
◆ 848-ML696201LAZSAA	ML696201LAZSAA	LFBGA-272	2.5	2.5-3.3	0	128	No	Yes+	Yes	2	4	1	87	27.50	23.75
◆ 848-ML69Q6203NNNLA	ML69Q6203-NNNLA	LFBGA-2272	2.5	2.5-3.3	512	128	No	Yes+	Yes	2	4	1	87	34.11	31.00
◆ 848-ML675050TCZE3A	ML675050TCZE3A	LQFP-176	1.5	3.0-3.3	0	18	Yes	Yes	No	2	7	1	62	22.77	16.56
◆ 848-ML675050LAZE3A	ML675050LAZE3A	LFBGA-176	1.5	3.0-3.3	0	18	Yes	Yes	No	2	7	1	62	22.77	16.56

OKI VOICE OVER IP CODECS AND ECHO/NOISE CANCELLERS

Features:

- FSK modem for caller ID, tone/DTMF/dial pulse generator/detector (VoIP)
- Support G.711 A-Law/u-Law, G.729A (VoIP), G.711 u-Law, 16-bit Linear PCM codecs (ML7037)
- Integrated Acoustic and Line Echo/Noise Canceller for Hands Free Communication Applications (ML7037)

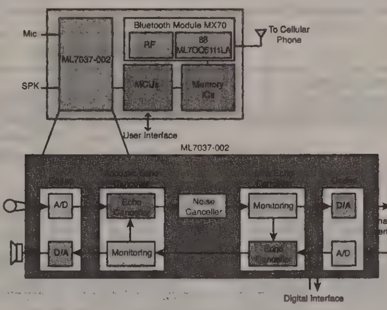
For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Oki Semiconductor Part No.	Description	Pins/Package	Typical Current	Power Supply	Price Each		
						1	50	100
848-ML7037-002TBZ03A	ML7037-002TBZ03A	Portable Voice Hands Free Communication 64-Pin TQFP RoHS, G.711, G.729A, AEC up to 32ms, DTMF, CNG	64-Pin TQFP	50mA	3.0-3.6v	10.50	9.40	8.25
848-ML7204A-001GA	ML7204A-001GAZK3A	Voice over IP Single Channel CODEC 64-pin QFP RoHS, G.711, AEC up to 32ms, DTMF, CNG	64-Pin QFP	50mA	3.0-3.6v	9.89	8.75	7.79
848-ML7214A-001	ML7214A-001TBZ03A	Voice over IP Single Channel CODEC 100-pin TQFP RoHS, G.711, AEC up to 32ms, DTMF, CNG	100-Pin TQFP	50mA	3.0-3.6v	9.89	8.75	7.79
Evaluation Boards						**Price Each**		
848-ICA-SK(ML7037)	ICA(ML7037-002EVAK)	ML7037 Evaluation Kit, consists of IC board and PC control interface board control interface board.	- - -	- - -	- - -	1090.50		
848-ICA-SK(ML7204)	ICA(ML7204-01) EVA BD	Oki ML7204A Evaluation Board.	- - -	- - -	- - -	1425.00		

OKI SPEECH SYNTHESIS LSI

Features:

- Internal Flash Memory (4/8 Mbit) for fast content modifications and extended playback time
- Evaluation Tools provide a flexible evaluation and prototyping platform
- Support high quality speech codecs: 8/16-bit RCM, 8-bit non-linear PCM, 2/4-bit Oki ADPCM2



For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Oki Semiconductor Part No.	Description	Pins/Package	Typical Current	Power Supply	Price Each		
						1	50	100
848-ML22Q58GA	ML22Q58GA	Speech Synthesis LSI with 8 Mb Flash	44-pin QFP	10mA 23mA	2.7-3.6V 4.5-5.5V	21.65	20.62	18.56
848-ML22Q54GA	ML22Q54GA	Speech Synthesis LSI with 4 Mb Flash	44-pin QFP	10mA 23mA	2.7-3.3V 4.5-5.5V	17.50	16.67	14.95

OKI POWER SWITCH DEVICES

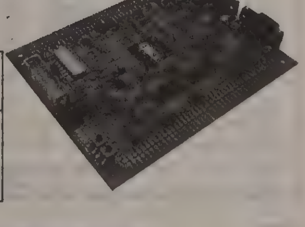
For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Oki Semiconductor Part No.	Enable Logic	Continous Current (A)	Package	T/R Quanity	Price Each		
						1	10	100
848-RYC8520H	RYC8520H	Active High	0.6	SOT-TR-6	2,500 pcs	.97	.84	.77
848-RYC8520L	RYC8520L	Active Low	0.6	SOT-TR-6	2,500 pcs	.97	.84	.77
848-RYC8620-1M	RYC8620-1M	Active High	0.6	8-Lead SOIC	2,500 pcs	.97	.84	.77
848-RYC8620-2M	RYC8620-2M	Active Low	0.7	8-Lead SOIC	2,500 pcs	.97	.84	.77
848-RYC8621-1M	RYC8621-1M	Active High	0.7	8-Lead SOIC	2,500 pcs	1.02	.94	.87
848-RYC8621-2M	RYC8621-2M	Active Low	0.7	8-Lead SOIC	2,500 pcs	1.02	.94	.87
848-PSR-25724	PSR-2574	Active Low	0.6	SOT-23	2,500 pcs	1.02	.94	.87

OKI EVALUATION BOARDS

Oki's Microcontroller Evaluation tools contains all that is needed to evaluate OKI's top of the line product series. Based on a concept of modularity, Oki has developed processor boards which provides everything necessary for today's development. Fully operational designs gives easy access to all I/O and peripherals of these devices.

MOUSER STOCK NO.	Oki Semiconductor Part No.	Description	Price Each
848-ICD-SK	ICD-SK(69Q66203CPUBRD3HDD)	ARM9 Evaluation Board with ML69Q6203 MCU.	915.00
848-ICD-SK(AME67Q)	ICD-SK(AME67Q4051-1)	Advantage Microcontroller Evaluation kit including the modular.AME-51 board, sample source code, 32K limited C-Compiler, USB-JTAG debugger, and power source.	260.00
848-675050CPUBOARD-1	675050CPUBOARD-1	ARM7 ML675050 Devel Board	682.00
848-ICB-SK(ES2216)	ICB-SK(ES2216)	OTP version of ML2216 for prototyping	10.19



PARALLAX 32 Bit and 8 Bit Microcontrollers

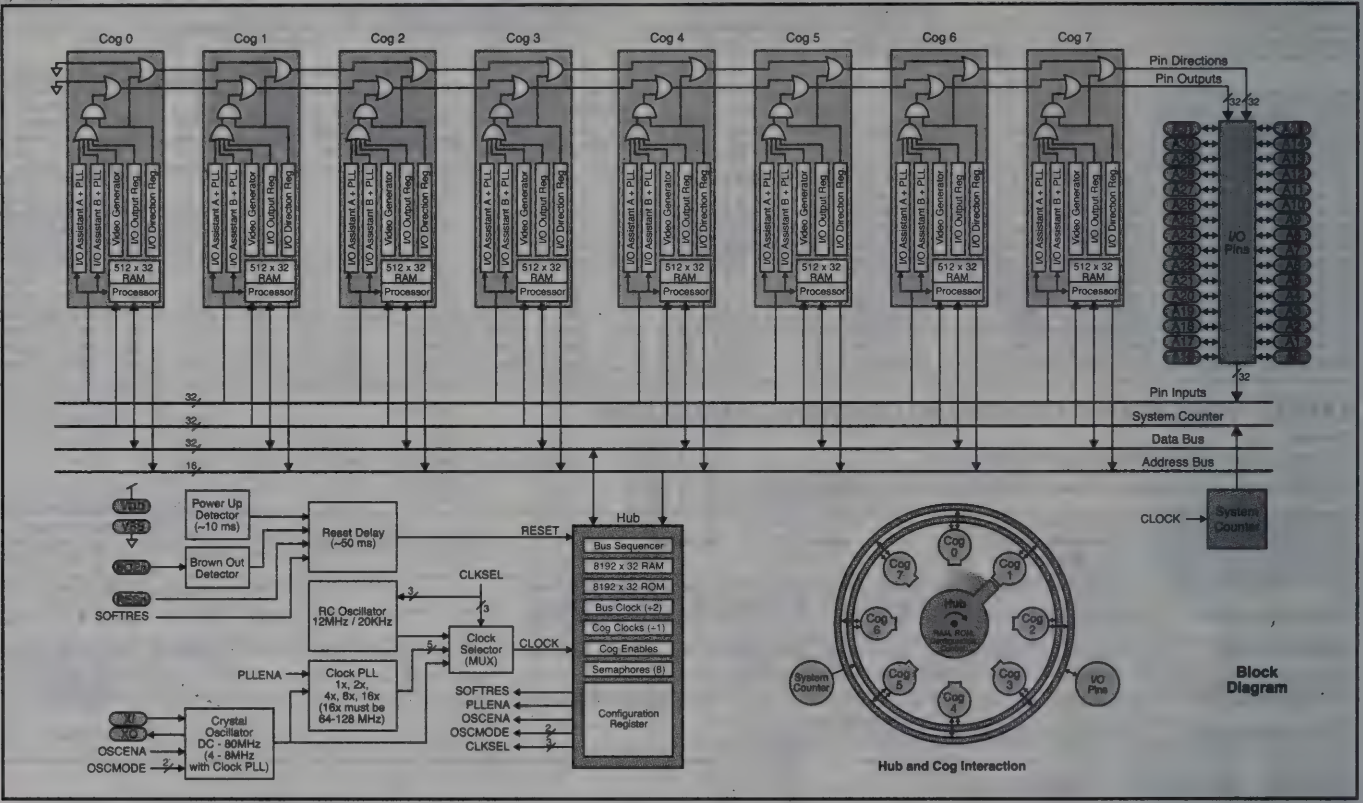
Products may be RoHS compliant. Check mouser.com for RoHS status.

PROPELLER
by Parallax, Inc.

32 BIT PROPELLER MULTICORE MICROCONTROLLERS

What can you do with eight 32-bit processors (COGs) in one chip? Real simultaneous multi-processing!

The new Propeller chip is the result of our internal design team working for eight years. The Propeller chip was designed at the transistor level by schematic using our own Altera Stratix tools to prototype the product. The Propeller is programmed in both a high-level language, called Spin™, and low-level (assembly) language. With the set of pre-built Parallax "objects" for video, mice, keyboards, RF, LCDs, stepper motors and sensors your Propeller application is a matter of high-level integration. The Propeller is recommended for those with previous microcontroller experience.


Cog 0
Cog 1
Cog 2
Cog 3
Cog 4
Cog 5
Cog 6
Cog 7
Pin Directions
Pin Outputs
I/O Assistant A + PLL
I/O Assistant B + PLL
Video Generator
I/O Output Reg
I/O Direction Reg
512 x 32 RAM
Processor
I/O Pins
A31 … A0
Pin Inputs
System Counter
Data Bus
Address Bus
32
16
Vdd
VSS
Power Up Detector (~10 ms)
Brown Out Detector
BOEn
RESn
SOFTRES
Reset Delay (~50 ms)
RESET
RC Oscillator 12MHz / 20KHz
CLKSEL
Clock Selector (MUX)
CLOCK
PLLENA
Clock PLL 1x, 2x, 4x, 8x, 16x (16x must be 64-128 MHz)
XI
XO
OSCENA
OSCMODE
Crystal Oscillator DC - 80MHz (4 - 8MHz with Clock PLL)
Hub
Bus Sequencer
8192 x 32 RAM
8192 x 32 ROM
Bus Clock (÷2)
Cog Clocks (÷1)
Cog Enables
Semaphores (8)
Configuration Register
SOFTRES
PLLENA
OSCENA
OSCMODE
CLKSEL
System Counter
I/O Pins
Hub
Hub and Cog Interaction
Block Diagram

Propeller Specifications	
Model Number	P8X32A
Package Types	40-pin DIP, 44-pin LQFP, 44-pin QFN
Parallax Stock Codes	P8X32A-D40 - DIP package P8X32A-Q44 - LQFP package P8X32A-M44 - QFN package
Power Requirements	3.3 volts DC
External Clock Speed	DC to 80 MHz (4 MHz to 8 MHz with Clock PLL running)
Internal RC Oscillator	12 MHz or 20 KHz
System Clock Speed	DC to 80 MHz
Global RAM/ROM	64 K bytes; 32K RAM / 32K ROM
RAM/ROM Organization	32 bits (4 bytes or 1 long)
I/O Pins	32
Current Source/Sink per I/O	50 mA

Propeller Microcontrollers

For quantities of 1000 and up, call for quote.

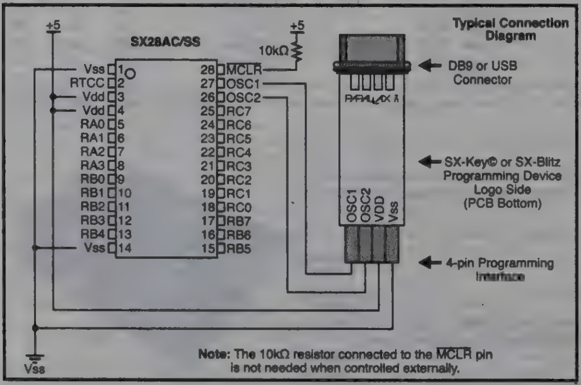
MOUSER STOCK NO.	Parallax Part No.	Package	Size (mm)	Price Each			
				1	10	25	100
619-P8X32A-D40	P8X32A-D40	40 Pin DIP	51 x 12.3	12.95	11.66	11.14	10.36
619-P8X32A-M44	P8X32A-M44	44 Pin QFN	9 x 9	14.50	13.75	12.25	11.75
619-P8X32A-Q44	P8X32A-Q44	44 Pin LQFP	10 x 10	14.50	13.75	12.25	11.75

Propeller Development Tools / Kits

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-32300	32300	Propeller Starter Kit	149.95
619-32100	32100	Propeller Demo Board	129.95
619-32311	32311	Propeller Accessories Kit - PS/2 Keyboard/Mouse & 2.5" LCD Display	99.95
619-32310	32310	PropSTICK Kit - Self Assemble Development Board	79.95
619-122-32000	122-32000	Propeller Manual	34.95

8 BIT SX SERIES RISC MICROCONTROLLERS

The SX family of configurable communications controllers are fabricated in an advanced CMOS process technology. The advanced process, combined with a RISC-based architecture, allows high-speed computation, flexible I/O control, and efficient data manipulation. Throughput is enhanced by operating the device at frequencies up to 75 MHz and by optimizing the instruction set to include mostly singlecycle instructions. In addition, the SX architecture is deterministic and totally reprogramable.


+5
SX28AC/SS
10kΩ
Vss 1
RTCC 2
Vdd 3
Vdd 4
RA0 5
RA1 6
RA2 7
RA3 8
RB0 9
RB1 10
RB2 11
RB3 12
RB4 13
Vss 14
28 MCLR
27 OSC1
26 OSC2
25 RC7
24 RC6
23 RC5
22 RC4
21 RC3
20 RC2
19 RC1
18 RC0
17 RB7
16 RB6
15 RB5
PARALLAX
OSC1
OSC2
VDD
Vss
Vss
DB9 or USB Connector
SX-Key© or SX-Blitz Programming Device Logo Side (PCB Bottom)
4-pin Programming Interface

Typical Connection Diagram

Note: The 10kΩ resistor connected to the $\overline{\text{MCLR}}$ pin is not needed when controlled externally.

Microcontrollers

Note: SX chip part numbers ending in "-G" are RoHS Compliant per Parallax documentation.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Package	I/O	EE/Flash	RAM (Kb)	Price Each		
						1	100	500
619-SX20AC/SS-G	SX20AC/SS-G	SSOP-20	12	2K bytes	137	3.05	2.89	2.79
619-SX28AC/DP-G	SX28AC/DP-G	DIP-28	20	2K bytes	136	3.15	2.99	2.89
619-SX28AC/SS-G	SX28AC/SS-G	SSOP-28	20	2K bytes	136	3.15	2.99	2.89
619-SX48BD-G	SX48BD-G	TQFP-48	36	4k x 12 Words	262	3.15	2.99	2.89

Development Tools / Kits

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-SX-BLITZ	45170	SX Blitz Module - Programmer (No Debugging)	29.95
619-45181	45181	SX Tech Tool Kit PLUS - Complete Development Kit	99.95
619-45182	45182	SX Tech Tool Kit PRO - Professional Development Kit	229.95
619-45205	45205	SX Tech Board - Project Area for SX Chips	39.95
619-552-00007	552-00007	SX Key Alone	49.95
619-45111	45111	SX Key Manual	35.00
619-45300	45300	SX 48 Proto Board	9.95
619-252-00005	252-00005	75 MHz resonator - 8 pin DIP half-size	2.50

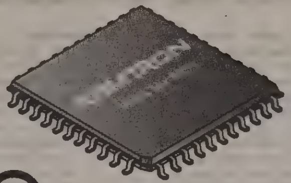
RAMTRON Microcontrollers and Processor Companions

Products may be RoHS compliant.
Check mouser.com for RoHS status.

RAMTRON VERSA 8051 MICROCONTROLLERS

VRS51L2070 and VRS51L3074 (FRAM-Enhanced Versa 8051 MCU)

Upgrade 8-bit designs with the VRS51L2070/3074, fast and flexible 8051-based systems-on-chip (SoCs) that deliver the power and speed of a 16-bit MCU without having to migrate from an 8-bit device. The first of its kind, the VRS51L3074 combines a high performance SoC with nonvolatile FRAM memory, for a quick and reliable nonvolatile data storage/processing system that only a FRAM-enhanced MCU can provide.



Memory:
- 8K Bytes FRAM (VRS51L3074)
- 64KB ISP/IAP Flash
- 4KB SRAM

High performance 8051 CPU:
- Up to 40-MIPS processing power
- Drastically faster than standard 8051s
- Same instruction set as standard 8051s

Unique MCU Features:
- 40 MHz internal oscillator
- Enhanced hardware Arithmetic unit with barrel shifter for DSP operations
- JTAG Interface for Programming/Debugging/Emulation
- UARTs include baud rate generator with micro baud rate adjustment
- Enhanced SPI and I²C Interfaces
- PWCs, PWMs Timers and Watchdog Timer
- Port Change and Pin Change Interrupt

RoHS Compliant LEAD-FREE

◆Surface Mount Device

For quantities of 1000 and up, call for quote.

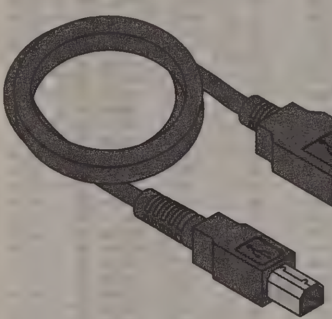
MOUSER STOCK NO.	Ramtron Part No.	Case Type	Speed (MHz)	Memory			I/O Ports (8-bit)	Timer/ Counters	Watch Dog Timer	Serial UART	PWM Outputs	Supply Voltage (V)	Temp. Range (°C)	Price Each			
				Flash	SRAM	FRAM								1	25	100	500
◆ 877-VRS51L207040QG	VRS51L2070-40-QG	QFP-64	40	64K	4K	-	56	3+	Yes	2	8	3.3	-40 to +85	12.06	11.51	10.41	9.86
◆ 877-VRS51L307440QG	VRS51L3074-40-QG	QFP-64	40	64K	4K	8K	56	3+	Yes	2	8	3.3	-40 to +85	14.85	14.18	12.83	12.15

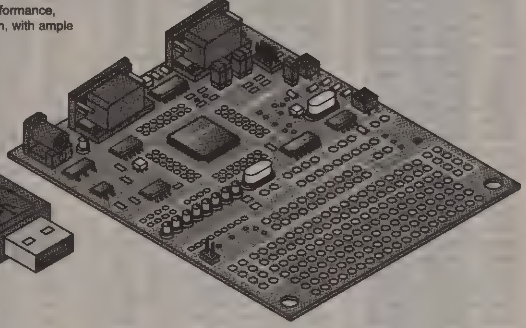
RAMTRON EVALUATION BOARD FOR FRAM BASED VERSA MICROCONTROLLERS

The VersaKit-20XX and VersaKit-30XX development kits are a plug-and-play evaluation system for the VRS51L2074 and VRS51L3074 of high performance, fully-integrated, FRAM-enhanced 8051 microcontrollers. These kits provide a complete and comprehensive programming and development platform, with ample prototyping space and easy access to chip peripherals and I/Os.

Development Board Features:
- VRS51L2070/VRS51L3074 in QFP-64 package soldered onboard
- FM31xx MCU companion, FM25xx SPI FRAM and FM24xx I²C FRAM devices installed
- 5x2 header to connect Versa-JTAG programming/debugging interface
- 2 DB9 serial port female connectors and 1 onboard RS-232 transceiver with configuration jumper
- Tact switches for manual reset and external interrupt of the processor
- Four sets of 16 probing points around VRS51L2070/VRS51L3074 device
- 22x2 header alongside prototyping area to access QFP-44 device pins (header pin number corresponds to device pin number)
- 32x2 header alongside prototyping area to access QFP-64 device pins (header pin number corresponds to the device pin number)
- Character LCD interface header footprint
- External crystal footprint
- 8 uncommitted user LEDs
- Onboard 3.3V regulator with power-on LED
- Optional regulator footprint 1.1

Kit includes:
- Development board that supports the VRS51L2070 or VRS51L3074
- VJTAG-USB programming/debugging interface
- USB Cable
- Power supply



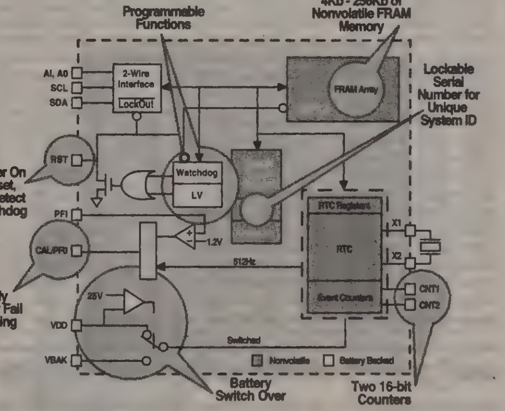


MOUSER STOCK NO.	Ramtron Part No.	Description	Price Each
877-VERSAKIT-20XX	VERSAKIT-20XX	Development Kit for the VRS51C2070	58.31
877-VERSAKIT-30XX	VERSAKIT-30XX	Development Kit for the VRS51C3074	58.31
877-VJTAG-USB	VJTAG-USB	Programming/Debugging Interface for the VRS51C2070/VRS51C3074	42.00

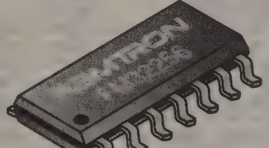
RAMTRON PROCESSOR COMPANIONS

Ramtron's Processor Companion is a complete support and peripheral solution with highly integrated functions for processor-based systems. Never before has a solution combined the fast read/write performance and unlimited endurance of nonvolatile FRAM (ferroelectric random access memory) with a real-time clock (RTC), processor supervisor and other common peripherals.

In addition to memory (not included in the FM4005) and a RTC (not included in the FM32XX series), these devices include commonly needed CPU support functions such as programmable low-VDD reset, programmable watchdog timer, nonvolatile event counter, loackable 64-bit serial number area and early power-fail warning (NMI) interrupt. Complementary but distinct functions share a common 2-wire interface eliminating the need for multiple devices.



Features:
- High integration device replaces multiple parts
- Serial non-volatile memory (except FM4005-G)
- Real-time clock (RTC) (except FM32XX series)
- Low voltage reset
- Watchdog timer
- Early power-fail warning interrupt/NMI
- Two 16-bit event counters
- Serial number with write-lock for security



RoHS Compliant LEAD-FREE

◆Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Ramtron Part No.	Case Type	Memory	RTC	RTC Alarm	Power Monitor	Watch Dog Timer	Early Power Fail	Serial Number	Battery Switch Over	Event Detect	Supply Voltage (V)	Price Each			
													1	25	100	500
Full Featured MCU Companion (2-Wire Interface)																
◆ 877-FM3104-G	FM3104-G	SOIC-14	4K	Yes	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	4.64	4.43	4.01	3.80
◆ 877-FM3116-G	FM3116-G	SOIC-14	16K	Yes	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	5.17	4.94	4.47	4.23
◆ 877-FM3164-G	FM3164-G	SOIC-14	64K	Yes	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	6.05	5.78	5.23	4.95
◆ 877-FM31256-G	FM31256-G	SOIC-14	256K	Yes	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	8.32	7.94	7.18	6.80
MCU Companion without Real-Time Clock (2-Wire Interface)																
◆ 877-FM3204-G	FM3204-G	SOIC-14	4K	No	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	3.72	3.55	3.21	3.04
◆ 877-FM3216-G	FM3216-G	SOIC-14	16K	No	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	4.27	4.07	3.69	3.49
◆ 877-FM3264-G	FM3264-G	SOIC-14	64K	No	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	4.93	4.70	4.26	4.03
◆ 877-FM32256-G	FM32256-G	SOIC-14	256K	No	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	7.24	6.91	6.25	5.92
MCU Companion without Non-Volatile Memory (2-Wire Interface)																
◆ 877-FM4005-G	FM4005-G	SOIC-14	- - - - -	Yes	No	Yes	Yes	Yes	Yes	Yes	Count	2.7 - 5.5	2.93	2.79	2.53	2.39

SILICON LABS Microcontrollers

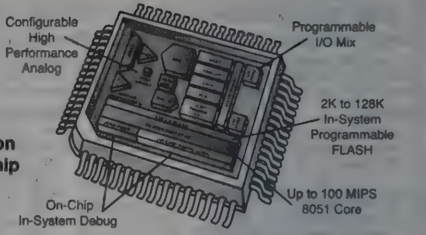
SILICON LABS

C8051FXXX HIGH PERFORMANCE MIXED-SIGNAL MICROCONTROLLERS

Silicon Laboratories' mixed-signal microcontrollers integrate world-class analog, a high-speed pipelined 8051 CPU, ISP Flash memory and on-chip JTAG based debug in each device. Configurable high-performance analog, up to 100 MIPS core and in-system programmability provide the user with complete design flexibility, improved time-to-market, superior system performance and greater end product differentiation

Features:
- 20 to 100 MIPS 8051 CPU
- 32 to 128KB Flash memory
- 256 to 8448KB RAM
- Up to 24-bit ADC
- Up to 12-bit DACs
- Up to three comparators
- Voltage reference
- Temperature sensor
- 45 16-bit Timers
- 36 channel PCA
- 864 Digital I/O
- 16 x 16 MAC

Applications:
- Industrial and process feedback control systems
- Instrumentation
- Test systems
- Point-of-sale terminals
- Satellite radio systems
- Cellular base stations
- Fiber optics systems
- Portable and stationary test equipment
- Weigh scales
- Smart transmitters
- Automatic Test Equipment (ATE)


Configurable High Performance Analog
Programmable I/O Mix
2K to 128K In-System Programmable FLASH
Up to 100 MIPS 8051 Core
On-Chip In-System Debug

Typical Silicon Labs MCU Chip

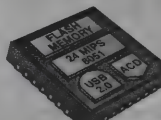
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	MIPS (Peak)	Flash Mem. (KB)	RAM (bytes)	Digital Port I/O Pins	Serial Buses	Internal Osc	Analog Peripherals	Package	Price Each		
Mfr.	Mfr. Part No.										1	100	500
634—	C8051F000-GQ	634-C8051F005DK	20	32	256	32	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ64	14.17	11.49	10.55
634—	C8051F001-GQ	634-C8051F005DK	20	32	256	16	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ48	13.95	11.31	10.38
634—	C8051F002-GQ	634-C8051F005DK	20	32	256	8	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	LQ32	13.73	11.13	10.22
634—	C8051F005-GQ	634-C8051F005DK	25	32	2304	32	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ64	15.19	12.32	11.31
634—	C8051F006-GQ	634-C8051F005DK	25	32	2304	16	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ48	14.80	12.00	11.02
634—	C8051F007-GQ	634-C8051F005DK	25	32	2304	8	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	LQ32	14.45	11.72	10.75
634—	C8051F010-GQ	634-C8051F005DK	20	32	256	32	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ64	13.28	10.77	9.89
634—	C8051F011-GQ	634-C8051F005DK	20	32	256	16	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ48	13.02	10.56	9.69
634—	C8051F012-GQ	634-C8051F005DK	20	32	256	8	UART, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	LQ32	12.67	10.28	9.43
634—	C8051F015-GQ	634-C8051F005DK	25	32	2304	32	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ64	14.36	11.64	10.69
634—	C8051F016-GQ	634-C8051F005DK	25	32	2304	16	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ48	14.12	11.45	10.51
634—	C8051F017-GQ	634-C8051F005DK	25	32	2304	8	UART, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	LQ32	13.97	11.33	10.40
634—	C8051F018-GQ	634-C8051F005DK	25	16	1280	32	UART, SMBus, SPI	±20%	10-bit ADC	TQ64	11.58	9.39	8.62
634—	C8051F019-GQ	634-C8051F005DK	25	16	1280	16	UART, SMBus, SPI	±20%	10-bit ADC	TQ48	11.17	9.06	8.32
634—	C8051F020-GQ	634-C8051F020DK	25	64	4352	64	2 UARTs, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ100	20.39	16.31	15.18
634—	C8051F021-GQ	634-C8051F020DK	25	64	4352	32	2 UARTs, SMBus, SPI	±20%	12-bit ADC, 12-bit DACs	TQ64	19.67	15.73	14.64
634—	C8051F022-GQ	634-C8051F020DK	25	64	4352	64	2 UARTs, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ100	16.22	12.98	12.08
634—	C8051F023-GQ	634-C8051F020DK	25	64	4352	32	2 UARTs, SMBus, SPI	±20%	10-bit ADC, 12-bit DACs	TQ64	15.06	12.05	11.21
634—	C8051F064-GQ	634-C8051F060DK	25	64	4352	59	2 UARTs, SMBus, SPI	±2%	16-bit ADC, 1Ch, 100ksps	TQFP100	14.37	11.11	10.65
634—	C8051F065-GQ	634-C8051F060DK	25	64	4352	24	2 UARTs, SMBus, SPI	±2%	16-bit ADC, 1Ch, 100ksps	TQFP64	13.95	10.78	10.33
634—	C8051F066-GQ	634-C8051F060DK	25	32	4352	59	2 UARTs, SMBus, SPI	±2%	16-bit ADC, 1Ch, 100ksps	TQFP100	13.58	10.50	10.06
634—	C8051F067-GQ	634-C8051F060DK	25	32	4352	24	2 UARTs, SMBus, SPI	±2%	16-bit ADC, 1Ch, 100ksps	TQFP64	13.02	10.07	9.65
634—	C8051F120-GQ	634-C8051F120DK	100	128	8448	64	2 UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ100	24.98	19.58	18.56
634—	C8051F121-GQ	634-C8051F120DK	100	128	8448	32	2 UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ64	24.18	18.95	17.97
634—	C8051F122-GQ	634-C8051F120DK	100	128	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ100	23.14	18.14	17.20
634—	C8051F123-GQ	634-C8051F120DK	100	128	8448	32	2 UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ64	22.39	17.55	16.64
634—	C8051F124-GQ	634-C8051F124DK	50	128	8448	64	2 UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ100	21.90	17.17	16.28
634—	C8051F125-GQ	634-C8051F124DK	50	128	8448	32	2 UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ64	21.09	16.53	15.68
634—	C8051F126-GQ	634-C8051F124DK	50	128	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ100	20.07	15.73	14,92
634—	C8051F127-GQ	634-C8051F124DK	50	128	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ64	19.31	15.14	14.38
634—	C8051F130-GQ	634-C8051F120DK	100	128	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit, 8Ch, 100ksps	TQFP100	17.87	14.97	13.72
634—	C8051F131-GQ	634-C8051F120DK	100	128	8448	32	2 UARTs, SMBus, SPI	±2%	10-bit, 8Ch, 100ksps	TQFP64	17.15	14.37	13.16
634—	C8051F132-GQ	634-C8051F120DK	100	64	8448	64	2 UARTs, SMBus, SPI	±2%	10-bit, 8Ch, 100ksps	TQFP100	14.97	12.54	11.49
634—	C8051F133-GQ	634-C8051F120DK	100	64	8448	32	2 UARTs, SMBus, SPI	±2%	10-bit, 8Ch, 100ksps	TQFP64	14.23	11.92	10.92
634—	C8051F350-GQ	634-C8051F350DK	50	8	768	17	UART, SMBus, SPI	±2%	24-bit, 8Ch, 1ksps	LQFP32	7.42	6.42	5.77
634—	C8051F351-GM	634-C8051F350DK	50	8	768	17	UART, SMBus, SPI	±2%	24-bit, 8Ch, 1ksps	QFN28	6.09	5.26	4.74
634—	C8051F352-GQ	634-C8051F350DK	50	8	768	17	UART, SMBus, SPI	±2%	16-bit, 8Ch, 1ksps	LQFP32	5.49	4.75	4.28
634—	C8051F353-GQ	634-C8051F350DK	50	8	768	17	UART, SMBus, SPI	±2%	16-bit, 8Ch, 1ksps	QFN28	4.61	3.11	2.93

USB MICROCONTROLLERS

USB MCUs feature an on-board USB 2.0 function controller with an integrated transceiver and on-chip clock recovery. No external resistors, crystal, voltage regulator, EEPROM or other components are required. On-chip resources include a high-speed 8051 CPU with up to 64 kB Flash, UARTs, SMBus, SPI, timers, counters and PWM generators. On-chip analog features include a multi-channel 10-bit ADC, voltage reference, internal oscillator, comparators and a temperature sensor. Available in 28-pin QFN, 32-pin LQFP or 48-pin TQFP packages, these devices provide a single-chip solution for embedded USB applications.

RoHS Compliant



RESISTORS CRYSTAL REGULATOR

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	MIPS (Peak)	Flash Mem. (KB)	RAM (bytes)	Digital Port I/O Pins	Serial Buses	Internal Osc	Analog Peripherals	Package	Price Each		
Mfr.	Mfr. Part No.										1	100	500
634—	C8051F320-GQ	634-C8051F320DK	25	16	2304	25	USB 2.0, UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	LQFP32	6.42	4.34	4.09
634—	C8051F321-GM	634-C8051F320DK	25	16	2304	21	USB 2.0, UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	QFN28	5.48	3.70	3.49
634—	C8051F326-GM	634-C8051F326DK	25	16	1536	15	USB 2.0, UART	±1.5%	- - - - - - - - -	QFN28	3.66	2.48	2.34
634—	C8051F327-GM	634-C8051F326DK	25	16	1536	15	USB 2.0, UART	±1.5%	- - - - - - - - -	QFN28	3.66	2.48	2.34
634—	C8051F340-GQ	634-C8051F340DK	48	64	5376	40	USB 2.0, 2x UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	TQFP48	9.23	6.24	5.89
634—	C8051F341-GQ	634-C8051F340DK	48	32	3328	40	USB 2.0, 2x UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	TQFP48	8.23	5.56	5.25
634—	C8051F342-GQ	634-C8051F340DK	48	64	5376	25	USB 2.0, UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	LQFP32	8.95	6.05	5.71
634—	C8051F343-GQ	634-C8051F340DK	48	32	3328	25	USB 2.0, UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	LQFP32	7.79	5.26	4.96
634—	C8051F344-GQ	634-C8051F340DK	25	64	5376	40	USB 2.0, 2x UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	TQFP48	8.95	6.05	5.71
634—	C8051F345-GQ	634-C8051F340DK	25	32	3328	40	USB 2.0, 2x UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	TQFP48	7.79	5.26	4.96
634—	C8051F346-GQ	634-C8051F340DK	25	64	5376	25	USB 2.0, UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	LQFP32	8.49	5.74	5.42
634—	C8051F347-GQ	634-C8051F340DK	25	32	3328	25	USB 2.0, UART, SMBus, SPI	±1.5%	10-bit ADC, VREF, 2 comparators	LQFP32	7.16	4.84	4.56

USB TO UART BRIDGE-SINGLE CHIP SOLUTION

A single-chip USB to UART bridge that converts data traffic between USB and UART formats.

Features:
- USB Function Controller and Transceiver
- Integrated 1024-byte EEPROM
- Programmable Baud rates
- Integrated clock no external crystal required
- USB specification 2.0 compliant 12 Mbps
- EEPROM security lock function
- Integrated transceiver no external resistors required
- USB suspend states supported

Example Applications:
- Upgrade of RS-232 legacy devices to USB
- Cellular phone USB interface cable
- PDA interface cable
- USB to RS-232 serial adapter

Specifications:
- Self-powered: 3.0 - 3.6 V
- USB bus powered: 4.0 - 5.25 V
- Temperature Range: -40 to 85° C
- MIPS (Peak): 0
- Internal Osc: 0

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Flash Memory	RAM (Bytes)	Digital Port I/O Pins	Serial Buses	Analog Peripherals	Package	Price Each		
Mfr.	Mfr. Part No.								1	100	500
634—	CP2101-GM	CP2101EK	512 kb EEPROM	1000	13	UART to USB Bridge	Voltage Regulator	QFN28	4.11	3.00	2.63
634—	CP2102-GM	CP2102EK	1024 kb EEPROM	1000	13	UART to USB Bridge	Voltage Regulator	QFN28	3.65	2.53	2.34
634—	CP2103-GM	CP2103EK	1024 kb EEPROM	1000	13	UART to USB Bridge	Voltage Regulator	QFN28	4.64	3.21	2.74
634—	CP2120-GM	CP2120EK	0	512	9	SPI, I2C	Voltage Regulator	QFN20	2.77	1.92	1.67
634—	CP2200-GQ	ETHERNETDK	8 kB	0	0	8-bit non-multiplexed parallel EMIF	2 kB TX and 4 kB RX buffer 30 Mbps Parallel Host Interface Speed	TQFP48	6.94	5.06	4.42
634—	CP2201-GM	ETHERNETDK	8 kB	0	0	8-bit non-multiplexed parallel EMIF	2 kB TX and 4 kB RX buffer 30 Mbps Parallel Host Interface Speed	QFN28	5.88	4.29	3.76

SILICON LABS Microcontrollers

This page of product is compliant.

SMALL FORM FACTOR MICROCONTROLLERS

The Small Form Factor family of microcontrollers combines a high-speed 8051 CPU, Flash or OTP memory and high-performance analog circuits in remarkably small packages allowing system designers to reduce component count while improving system performance. These highly-integrated devices are optimized for space-constrained, low-power, low-cost applications in consumer, industrial, communications and automotive markets. Development is quick and easy due to low-cost, professional development tools and in-system debug. High integration, small size, high CPU throughput and best-in-class analog peripherals make the Small Form Factor family ideal for a wide range of applications.

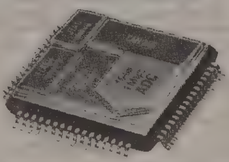
RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	MIPS (Peak)	Flash Mem. (KB)	RAM (bytes)	Digital Port I/O Pins	Serial Buses	Internal Osc	Analog Peripherals	Package	Price Each		
Mfr.	Mfr. Part No.										1	100	500
634—	C8051F206-GQ	634-C8051F206DK	25	8	1280	32	UART, SPI	±20%	12-bit ADC, comparators	TQ48	4.88	3.96	3.64
634—	C8051F220-GQ	634-C8051F226DK	25	8	256	32	UART, SPI	±20%	8-bit ADC, comparators	TQ48	4.03	3.27	3.00
634—	C8051F221-GQ	634-C8051F226DK	25	8	256	22	UART, SPI	±20%	8-bit ADC, comparators	TQ32	3.59	2.91	2.67
634—	C8051F226-GQ	634-C8051F226DK	25	8	1280	32	UART, SPI	±20%	8-bit ADC, comparators	TQ48	4.26	3.45	3.17
634—	C8051F230-GQ	634-C8051F226DK	25	8	256	32	UART, SPI	±20%	2 comparators	TQ48	3.79	3.08	2.82
634—	C8051F231-GQ	634-C8051F226DK	25	8	256	22	UART, SPI	±20%	2 comparators	TQ32	3.42	2.78	2.55
634—	C8051F236-GQ	634-C8051F226DK	25	8	1280	32	UART, SPI	±20%	2 comparators	TQ48	3.96	3.21	2.95
634—	C8051F300-GM	634-C8051F300DK	25	8	256	8	UART, SMBus	±2%	8-bit ADC, comparator	14PDIP	2.76	2.34	2.15
634—	C8051F301-GM	634-C8051F300DK	25	8	256	8	UART, SMBus	±2%	comparator	MLP11	2.63	2.23	2.05
634—	C8051F302-GM	634-C8051F300DK	25	8	256	8	UART, SMBus	±20%	8-bit ADC, comparator	MLP11	2.57	2.18	2.00
634—	C8051F303-GM	634-C8051F300DK	25	8	256	8	UART, SMBus	±20%	comparator	MLP11	2.48	2.10	1.93
634—	C8051F304-GM	634-C8051F300DK	25	4	256	8	UART, SMBus	±20%	comparator	MLP11	2.20	1.87	1.71
634—	C8051F305-GM	634-C8051F300DK	25	2	256	8	UART, SMBus	±20%	comparator	MLP11	2.15	1.82	1.67
634—	C8051F310-GQ	634-C8051F310DK	25	16	1280	29	UART, SMBus, SPI	±2%	10-bit ADC, comparators	LQ32	5.27	4.48	4.10
634—	C8051F311-GM	634-C8051F310DK	25	16	1280	25	UART, SMBus, SPI	±2%	10-bit ADC, comparators	MLP28	4.72	4.00	3.67
634—	C8051F312-GQ	634-C8051F310DK	25	8	1280	29	UART, SMBus, SPI	±2%	10-bit, 21Ch, 200ksps ADC	LQFP32	4.11	3.49	3.20
634—	C8051F313-GM	634-C8051F310DK	25	8	1280	25	UART, SMBus, SPI	±2%	10-bit, 17Ch, 200ksps ADC	QFN28	3.81	3.23	2.97
634—	C8051F314-GQ	634-C8051F310DK	25	8	1280	29	UART, SMBus, SPI	±2%	---------	LQFP32	3.46	2.94	2.69
634—	C8051F315-GM	634-C8051F310DK	25	8	1280	25	UART, SMBus, SPI	±2%	---------	QFN28	3.22	2.73	2.51
634—	C8051F316-GM	634-C8051F310DK	25	16	1280	21	UART, SMBus, SPI	±2%	10-bit, 13Ch, 200ksps, comptrs	QFN24	4.26	2.88	2.71
634—	C8051F317-GM	634-C8051F310DK	25	16	1280	21	UART, SMBus, SPI	±2%	2 comparators	QFN24	3.77	2.55	2.40
634—	C8051F330-GM	634-C8051F330DK	25	8	768	17	UART, SMBus, SPI	±2%	10-bit ADC, 10-bit DAC	MLP20	3.92	3.39	3.05
634—	C8051F330-GP	634-C8051F330DK	25	8	768	17	UART, SMBus, SPI	±2%	10-bit, 16Ch, 200ksps	DIP20	4.29	2.90	2.73
634—	C8051F331-GM	634-C8051F330DK	25	8	768	17	UART, SMBus, SPI	±2%	10-bit ADC, 10-bit DAC	MLP20	3.52	3.04	2.74
634—	C8051F332-GM	634-C8051F330DK	25	4	768	17	UART, SMBus, SPI	±2%	VREF, comparator	QFN20	2.92	2.53	2.28
634—	C8051F333-GM	634-C8051F330DK	25	4	768	17	UART, SMBus, SPI	±2%	comparator	QFN20	2.68	2.32	2.09
634—	C8051F334-GM	634-C8051F330DK	25	2	768	17	UART, SMBus, SPI	±2%	VREF, comparator	QFN20	2.48	2.14	1.93
634—	C8051F335-GM	634-C8051F330DK	25	2	768	17	UART, SMBus, SPI	±2%	comparator	QFN20	2.22	1.92	1.73
634—	C8051F360-GQ	634-C8051F360DK	100	32	1280	39	UART, SMBus, SPI	±2%	10-bit ADC, 10-bit DAC, 16x16 MAC	TQFP48	8.68	6.94	6.94
634—	C8051F361-GQ	634-C8051F360DK	100	32	1280	27	UART, SMBus, SPI	±2%	10-bit ADC, 10-bit DAC, 16x16 MAC	LQFP32	8.06	6.45	6.45
634—	C8051F362-GM	634-C8051F360DK	100	32	1280	24	UART, SMBus, SPI	±2%	10-bit ADC, 10-bit DAC, 16x16 MAC	QFN28	6.80	5.44	5.44
634—	C8051F410-GQ	634-C8051F410DK	50	32	2304	24	UART, SMBus, SPI	±2%	12-bit, 20Ch, 200ksps	LQFP32	7.16	5.23	4.57
634—	C8051F411-GM	634-C8051F410DK	50	32	2304	20	UART, SMBus, SPI	±2%	12-bit, 20Ch, 200ksps	QFN28	5.75	4.20	3.67
634—	C8051F412-GQ	634-C8051F410DK	50	16	1280	24	UART, SMBus, SPI	±2%	12-bit, 20Ch, 200ksps	LQFP32	5.49	4.31	3.86
634—	C8051F413-GM	634-C8051F410DK	50	16	1280	20	UART, SMBus, SPI	±2%	12-bit, 20Ch, 200ksps	QFN28	5.35	3.90	3.41
634—	C8051F520-IM	634-C8051F530DK	25	8	256	6	LIN 2.0, SPI, UART	±0.5%	12-bit, 6Ch, 200ksps, Volt Reg.	QFN10	3.94	2.73	2.39
634—	C8051F521-IM	634-C8051F530DK	25	8	256	6	UART, SPI	±0.5%	12-bit, 6Ch, 200ksps, Volt Reg.	QFN10	3.98	2.15	1.87
634—	C8051F523-IM	634-C8051F530DK	25	4	256	6	LIN 2.0, SPI, UART	±0.5%	12-bit, 6Ch, 200ksps, Volt Reg.	QFN10	3.68	1.99	1.73
634—	C8051F524-IM	634-C8051F530DK	25	4	256	6	UART, SPI	±0.5%	12-bit, 6Ch, 200ksps, Volt Reg.	QFN10	3.48	1.88	1.64
634—	C8051F526-IM	634-C8051F530DK	25	2	256	6	LIN 2.0, SPI, UART	±0.5%	12-bit, 6Ch, 200ksps, Volt Reg.	QFN10	3.25	1.76	1.54
634—	C8051F527-IM	634-C8051F530DK	25	2	256	6	UART, SPI	±0.5%	12-bit, 6Ch, 200ksps, Volt Reg.	QFN10	3.05	1.65	1.44
634—	C8051F530-IM	634-C8051F530DK	25	8	256	16	LIN 2.0, SPI, UART	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	QFN20	3.94	2.73	2.39
634—	C8051F530-IT	634-C8051F530DK	25	8	256	16	LIN 2.0, SPI, UART	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	TSSOP20	4.06	2.82	2.47
634—	C8051F531-IM	634-C8051F530DK	25	8	256	16	UART, SPI	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	QFN20	4.98	2.69	2.35
634—	C8051F531-IT	634-C8051F530DK	25	8	256	16	UART, SPI	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	TSSOP20	5.10	2.75	2.40
634—	C8051F533-IM	634-C8051F530DK	25	4	256	16	LIN 2.0, SPI, UART	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	QFN20	4.68	2.53	2.20
634—	C8051F533-IM	634-C8051F530DK	25	4	256	16	LIN 2.0, SPI, UART	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	TSSOP20	4.68	2.53	2.20
634—	C8051F534-IT	634-C8051F530DK	25	4	256	16	UART, SPI	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	QFN20	4.73	2.55	2.23
634—	C8051F534-IT	634-C8051F530DK	25	4	256	16	UART, SPI	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	TSSOP20	4.73	2.55	2.23
634—	C8051F536-IM	634-C8051F530DK	25	2	256	16	LIN 2.0, SPI, UART	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	QFN20	4.25	2.30	2.00
634—	C8051F536-IT	634-C8051F530DK	25	2	256	16	LIN 2.0, SPI, UART	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	TSSOP20	4.50	2.43	2.13
634—	C8051F537-IM	634-C8051F530DK	25	2	256	16	UART, SPI	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	QFN20	4.03	2.17	1.90
634—	C8051F537-IT	634-C8051F530DK	25	2	256	16	UART, SPI	±0.5%	12-bit, 16Ch, 200ksps, Volt Reg	TSSOP20	4.28	2.31	2.02
634—	C8051T600-GM	634-C8051T600DK	25	8 OTP	256	8	UART, SMBus	±2%	10-bit, 8-Ch, 500ksps, Volt Reg	QFN11	1.32	1.12	.93
634—	C8051T600-GS	634-C8051T600DK	25	8 OTP	256	8	UART, SMBus	±2%	10-bit, 8-Ch, 500ksps, Volt Reg	SOIC14	1.32	1.12	.93

C8051F040 FAMILY WITH CAN BUS

The C8051F040 family features the same 25MIPS 8051 code-compatible CPU, in-system programming/debugging, and analog and digital peripherals. In addition, it has an integrated CAN 2.0B controller with 32 message objects, each with its own filter mask. The 'F040 parts also have a +/- 60V Programmable Gain Difference Amplifier. Available in a 100-pin or 64-pin TQFP with up to 64 Digital I/O, it also has a fully parallel External Memory Interface (EMIF) for data storage, two UART's, a SPI Bus, and an SMBus. There are two independent ADC's, one 12-bit 100ksps, and the other 8-Bit 500ksps each with its own input multiplexer, as well as two 12-bit DAC's, a voltage reference, and a temperature sensor. All 'F040 family members have 64K bytes of in-system programmable FLASH memory and 4352 bytes of SRAM.



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	MIPS (Peak)	Flash Mem. (KB)	RAM (bytes)	Digital Port I/O Pins	Serial Buses	Internal Osc	Analog Peripherals	Package	Price Each		
Mfr.	Mfr. Part No.										1	100	500
634—	C8051F040-GQ	634-C8051F040DK	25	64	4352	64	CAN 2, UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ100	14.52	12.56	10.81
634—	C8051F041-GQ	634-C8051F040DK	25	64	4352	32	CAN 2, UARTs, SMBus, SPI	±2%	12-bit ADC, 12-bit DACs	TQ64	13.97	12.08	10.40
634—	C8051F042-GQ	634-C8051F040DK	25	64	4352	64	CAN 2, UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ100	13.71	11.86	10.20
634—	C8051F043-GQ	634-C8051F040DK	25	64	4352	32	CAN 2, UARTs, SMBus, SPI	±2%	10-bit ADC, 12-bit DACs	TQ100	11.95	10.34	8.90
634—	C8051F044-GQ	634-C8051F040DK	25	64	4352	64	CAN2.2, UARTs, SMBus, SPI	±2%	10-bit 13Ch ADC	TQFP100	10.12	7.93	7.53
634—	C8051F045-GQ	634-C8051F040DK	25	64	4352	32	CAN2.2, UARTs, SMBus, SPI	±2%	10-bit 13 CH ADC	TQFP64	9.58	7.51	7.13
634—	C8051F046-GQ	634-C8051F040DK	25	32	4352	64	CAN2.2, UARTs, SMBus, SPI	±2%	10-bit 13 CH ADC	TQFP100	9.51	7.45	7.08
634—	C8051F047-GQ	634-C8051F040DK	25	32	4352	32	CAN2.2, UARTs, SMBus, SPI	±2%	10-bit 13 CH ADC	TQFP64	8.90	6.98	6.62
634—	C8051F060-GQ	634-C8051F060DK	25	64	4352	59	CAN 2, UARTs, SMBus, SPI	±2%	16-bit ADC, 12-bit DACs	TQ100	19.98	15.44	14.80
634—	C8051F061-GQ	634-C8051F060DK	25	64	4352	24	CAN 2, UARTs, SMBus, SPI	±2%	16-bit ADC, 12-bit DACs	TQ64	18.17	14.04	13.45
634—	C8051F062-GQ	634-C8051F060DK	25	64	4352	59	CAN 2, UARTs, SMBus, SPI	±2%	16-bit ADC, 12-bit DACs	TQ100	16.98	13.13	12.58
634—	C8051F063-GQ	634-C8051F060DK	25	64	4352	24	CAN 2, UARTs, SMBus, SPI	±2%	16-bit ADC, 12-bit DACs	TQ64	16.52	12.77	12.23

SILICON LABS MCU Development Tools

SILICON LABS

MICROCONTROLLER DEVELOPMENT KITS

Silicon Labs development kits provide a comprehensive integrated development environment for unobtrusive real-time debug IN YOUR TARGET SYSTEM. Common debugging features such as breakpoints, read/write memory, run, halt, and single-stepping are all supported. There is no need to purchase expensive emulator-based HW. These kits are complete with all hardware, software, cables and power supply. The user needs only to provide a PC running Windows (95/98/NT/2000/XP) with a free COM port.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-C8051F005DK	C8051F005DK	Development Kit for C8051F000, F001, F002, F005, F006, F010, F011, F012, F015, F016, F017, F018 and F019 MCUs	69.00
634-C8051F020DK	C8051F020DK	Development Kit for C8051F020, F021, F022, and F023 MCUs	79.00
634-C8051F040DK	C8051F040DK	Development Kit for C8051F040, F041, F042, and F043 MCUs	179.00
634-C8051F060DK	C8051F060DK	Development Kit for C8051F060, F061, F062, and F063 MCUs	179.00
634-C8051F120DK	C8051F120DK	Development Kit for C8051F120, F121, F122, F123, F124, F125, F126, F127, F130, F131, F132 and F133 MCUs	99.00
634-C8051F206DK	C8051F206DK	Development Kit for C8051F206 MCUs	69.00
634-C8051F226DK	C8051F226DK	Dev. Kit for C8051F220, F221, F226, F230, F231, & F236 MCUs	69.00
634-C8051F300DK	C8051F300DK	Dev. Kit for C8051F300, F301, F302, F303, F304, & F305 MCUs	69.00
634-C8051F310DK	C8051F310DK	Development Kit for C8051F310 and F311 MCUs	69.00
634-C8051F320DK	C8051F320DK	Development Kit for C8051F320 and F321 MCUs	99.00
634-C8051F326DK	C8051F326DK	Development Kit for C8051F326 and F327 MCUs	99.00
634-C8051F330DK	C8051F330DK	Development Kit for C8051F330 and F331 MCUs	69.00
634-C8051F340DK	C8051F340DK	Development Kit for C8051F340, F341, F342, F343, F344, F345, F346 and F347 MCUs	99.00
634-C8051F350DK	C8051F350DK	Development Kit for C8051F350, F351, F352, and F353 MCUs	99.00
634-C8051F360DK	C8051F360DK	Development Kit for C8051F360, F361 and F362 MCUs	99.00
634-C8051F410DK	C8051F410DK	Development Kit for C8051F410, F411, F412 and F413 MCUs	99.00
634-C8051F530DK	C8051F530DK	Development Kit for C8051F520, F530-IM and F530-IT MCUs	99.00
634-C8051T600DK	C8051T600DK	Dev. Kit for C8051T600, T601, T602, T603, T604 & T605 MCUs	99.00
634-DTMFDECODER-RD	DTMFDECODER-RD	DTMF Decoder Reference Design	149.00
634-ETHERNETDK	ETHERNETDK	Embedded Ethernet Development Kit	119.00
634-F350-COMPASS-RD	F350-COMPASS-RD	Digital Compass Reference Design Kit	72.00
634-USBFMRADIO-RD	FM Radio	USB FM Radio Reference Design	35.00
634-MODEMDK	MODEMDK	Embedded Modem Development Kit	129.00
634-PoE-VOICE-RD	PoE-VOICE-RD	PoE with Voice Transmission Reference Design	69.00
634-SLBLDC-MTR-RD	SLBLDC-MTR-RD	Sensorless BLDC Motor Reference Design	119.00
634-STEPPER-MTR-RD	STEPPER-MTR-RD	Stepper Motor Reference Design	119.00
634-TEMPCOMPRTC-RD	TEMPCOMPRTC-RD	Temperature Compensated RTC Reference Design	99.00
634-USB-MSD-RD	USB-MSD-RD	USB Mass Storage Reference Design	99.00
634-VOICE-RECORD-RD	VOICE-RECORD-RD	Voice Recorder Reference Design Kit	49.00
634-WL-TRANSCVR-RD	WL-TRANSCVR-RD	Wireless Voice Transceiver Reference Design	149.00
634-ZigBee-2.4-DK	ZigBee-2.4-DK	2.4 GHz ZigBee Development Kit	950.00
634-802.15.4-2.4-DK	802.15.4-2.4-DK	2.4 GHz 802.15.4 Development Kit	365.00

Microcontroller Development Tools
Development Kit
• Supercharged 8051 MCU
• Everything included
• No Emulator Needed
Silicon Laboratories

USB TOOLSTICK

The USB ToolStick platform is a fully contained evaluation and development system in a USB stick form-factor that demonstrates Silicon Laboratories' easy-to-use development tools. Using only a PC with a USB port, designers can fully experience the Silicon Laboratories software development environment in conjunction with the MCU on-chip debugging hardware that allows full, non-intrusive access to the target CPU, peripherals and memory. The software development environment consists of the easy-to-use Integrated Development Environment (IDE), editor, debugger, Flash programmer and a demonstration version of the Keil compiler.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-TOOLSTICKSK	TOOLSTICKSK	ToolStick Starter Kit	24.99
634-TOOLSTICK-EK	TOOLSTICK-EK	ToolStick Evaluation Kit	10.99
634-TOOLSTICKBA	TOOLSTICKBA	ToolStick Base Adapter	17.50
634-TOOLSTICK330DC	TOOLSTICK330DC	ToolStick C8051F330 Daughter Card	9.90
634-TOOLSTICK360DC	TOOLSTICK360DC	ToolStick C8051F360 Daughter Card	9.90
634-TOOLSTICKLINDC	TOOLSTICKLINDC	ToolStick C8051F530 Daughter Card	9.90
634-TOOLSTICKDA	TOOLSTICKDA	ToolStick Debug Adapter	8.90

SILICON LABS
TOOLSTICK

EVALUATION KITS

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-C8051F064EK	C8051F064EK	Evaluation Board, USB Cable & Software	99.00
634-C8051F411EK	C8051F411EK	Evaluation Board for C8051F411 MCU	29.00
634-CP2103EK	CP2103EK	For CP2103 USB-to-UART Bridge Chip	29.00

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-CP2102EK	CP2102EK	For CP2102 USB-to-UART Bridge Chip	29.00
634-CP2120EK	CP2120EK	Evaluation Board for CP2120	39.00
634-CP2201EK	CP2201EK	For CP2201 Embedded Ethernet Controller	29.99

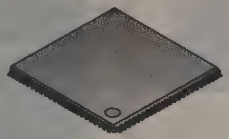
ACCESSORIES AND TARGET / PROTOTYPING BOARDS

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-CDKEIL-US	CDKEIL-US	Development Software and Documentation CD	14.99
634-C8051F005TB	C8051F005TB	Target/Prototyping Board with C8051F005 MCU	35.00
634-C8051F020TB	C8051F020TB	Target/Prototyping Board with C8051F020 MCU	50.00
634-C8051F040TB	C8051F040TB	Target/Prototyping Board with C8051F040 MCU	60.00
634-C8051F060-TB	C8051F060TB	Target/Prototyping Board with C8051F060 MCU	120.00
634-C8051F120-TB	C8051F120TB	Target/Prototyping Board with C8051F120 MCU	50.00
634-C8051F206TB	C8051F206TB	Target/Prototyping Board with C8051F206 MCU	35.00
634-C8051F226TB	C8051F226TB	Target/Prototyping Board with C8051F226 MCU	35.00
634-C8051F300TB	C8051F300TB	Target/Prototyping Board with C8051F300 MCU	35.00
634-C8051F310TB	C8051F310TB	Target/Prototyping Board with C8051F310 MCU	35.00
634-C8051F320TB	C8051F320TB	Target/Prototyping Brd w/ C8051F320/21 MCU	50.00
634-C8051F326-TB	C8051F326TB	Target/Prototyping Brd w/ C8051F326/27 MCU	50.00
634-C8051F330-TB	C8051F330TB	Target/Prototyping Board with C8051F330 MCU	35.00

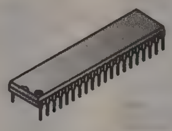
MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-C8051F340-TB	C8051F340TB	Target/Prot. Brd w/C8051F34x Family MCU	50.00
634-C8051F350-TB	C8051F350TB	Target/Prototyping Brd w/ C8051F350 MCU	50.00
634-C8051F360-TB	C8051F360TB	Target/Prototyping Brd w/ C8051F360 MCU	50.00
634-C8051F410-TB	C8051F410TB	Target/Prototyping Brd w/ C8051F410 MCU	50.00
634-C8051F530-TB	C8051F530TB	Target/Prototyping Brd w/ C8051F530 MCU	50.00
634-C8051T600SDB	C8051T600SDB	SOIC Socket Daughter Board	19.00
634-C8051T600QDB	C8051T600QDB	QFN Socket Daughter Board	29.00
634-AB1	AB1	Prototyping Board with 128KB SRAM	35.00
634-AB3	AB3	Modem Adapter Board	35.00
634-AB4	AB4	Ethernet Development Board	35.00
634-EC2	EC2	Serial Adapter for C8051Fxxx MCU	50.00
634-DEBUGADPTR1-USB	DEBUGADPTR1-USB	USB Debug Adapter for C8051Fxxx MCU	35.00
634-EC-SJ	EC-SJ	Standard JTAG Cable	5.00

SST Microcontrollers and Power Amplifiers

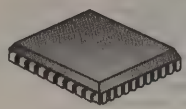
RoHS Compliant This page of product is compliant.



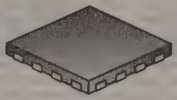
TQFP-100



PDIP-40



PLCC-44



VQFN-16

SST ATA FLASH DISK CONTROLLER

SST's ATA Flash Disk Controller is well suited for solid-state mass storage applications in high-performance, flash media-based data storage systems. They are ideal for smaller, lighter designs and low power consumption in applications such as portable computers, digital cameras, music players, PDAs, hand-held terminals and set-top boxes.

RoHS Compliant

Features:
- Host Interface supports ATA/ATAPI-5 and CFA 2.0 Commands
- Interface and support standard NAND flash media up to 16 Gbit
- Supports 512 Byte and 2K Byte page size Media Flash
- Flash Media Interface: 8-bit and 16-bit access
- Supports up to PIO Mode-4 and Multiword DMA Mode-2
- Low power, 5V/3.3V interface
- Low standby current
- Pre-programmed embedded firmware
- Internal or external system clock option
- 20-byte unique ID for expanded security
- Write-Protect or Power-Down pin for preventing data overwrites
- Advanced security features

◆ Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Case Type	Operating Voltage (V)	Clock Speed (MHz)	Supported Capacity	Sustained White Speed	Sustained Read Speed	Security Features	Price Each		
									1	50	100
◆ 804-55LD019B4CTQWE	SST55LD019B-45-C-TQWE	TQFP-100	3.3	45	16MB to 8GB	Up to 10MB/sec	Up to 10MB/sec	Yes	13.95	12.28	11.16

SST COMPACTFLASH CARD CONTROLLER

The SST55LC100 CompactFlash Card Controller is the heart of a high-performance, flash media-based Compact-Flash card solution. It supports the Single Level Cell (SLC) media only. This technology suits solid state mass storage applications offering new, expanded functionality while enabling smaller, lighter designs with lower power consumption. The CompactFlash interface is widely used in products such as portable and desktop computers, digital cameras, music players, handheld data collection scanners, PDAs, handy terminals, personal communicators, audio recorders, monitoring devices, and set-top boxes.

Features:
- CompactFlash Association Specification Revision 2.0 standard
- Low current operation
- 20-byte unique ID for enhanced security
- Power management unit
- Interface for standard NAND Flash media
- Flash Media Interface: 8-bit or 16-bit access
  - Supports up to 8 flash media devices directly
  - Supports Single-Level Cell (SLC)
- Integrated Power-On Reset Circuit
- Pre-programmed Embedded Firmware
- Automatic recognition and initialization of Flash Media devices

RoHS Compliant

◆ Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Case Type	Operating Voltage (V)	Clock Speed (MHz)	Supported Capacity	Sustained White Speed	Sustained Read Speed	Security Features	Price Each		
									1	50	100
◆ 804-55LC1004CTQWE	SST55LC100-45-C-TQWE	TQFP-100	3.3	45	16MB to 8GB	Up to 10MB/sec	Up to 10MB/sec	Yes	8.55	7.52	6.84

SST FLASHFLEX51 8-BIT MICROCONTROLLERS

The FlashFlex51 family of 8-Bit microcontroller products include SST's patented and proprietary SuperFlash® CMOS semiconductor process technology.
The products use the 8051 instruction set and are pin-for-pin compatible with standard 8051 microcontroller devices.
They are designed to be programmed in-system and in-application on the PCB for maximum flexibility.

Features:
- 8-Bit 8051-compatible microcontrollers with embedded SuperFlash® memory
- Individual block/page security lock
- Dual-block SuperFlash® memory
- Small sector architecture: 128-byte sector size
- Low power modes:
  - Idle mode
  - Power-down mode with external wake-up
- Clock doubling option
- Three high-current drive pins for LEDs
- Serial interfaces: 1 Channel Enhanced UART and SPI
- Programmable Counter Array (PCA) (5 channel)
- Watchdog Timer (WDT)
- Brown-out detection (BOD)
- In-System Programming (ISP) & In-Application Programming (IAP)
- Two 16-bit (2-byte) data pointer (DPTR)
- Ten interrupt sources with four levels of priority
- Three 16-bit timer/counters

RoHS Compliant

◆ Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Case Type	Operating Voltage (V)	Clock Speed (MHz)	Memory Size			WDT	BOD	ISP & IAP	DPTR	Security		I/O * Pins	Price Each		
					Main Flash	2nd Flash	RAM					Hard Lock	Soft Lock		1	50	100
804-89E52RD4CPIE	SST89E52RD-40-C-PIE	PDIP-40	4.5 to 5.5	40	8K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	4.45	3.92	3.56
◆ 804-89E52RD24CNJE	SST89E52RD2-40-C-NJE	PLCC-44	4.5 to 5.5	40	8K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	3.88	3.41	3.10
804-89E54RD4CPIE	SST89E54RD-40-C-PIE	PDIP-40	4.5 to 5.5	40	16K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	4.93	4.33	3.94
◆ 804-89E54RD24CNJE	SST89E54RD2-40-C-NJE	PLCC-44	4.5 to 5.5	40	16K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	4.35	3.83	3.48
804-89E54RD3CPIE	SST89E54RD-33-C-PIE	PDIP-40	4.5 to 5.5	33	16K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	4.93	4.33	3.94
◆ 804-89V54RD23CNJE	SST89V54RD2-33-C-NJE	PLCC-44	2.7 to 3.6	33	16K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	4.35	3.83	3.48
804-89E58RD4CPIE	SST89E58RD-40-C-PIE	PDIP-40	4.5 to 5.5	40	32K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	5.25	4.62	4.20
◆ 804-89E58RD24CNJE	SST89E58RD2-40-C-NJE	PLCC-44	4.5 to 5.5	40	32K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	4.68	4.11	3.74
804-89V58RD3CPIE	SST89V58RD-33-C-PIE	PDIP-40	2.7 to 3.6	33	32K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	5.25	4.62	4.20
◆ 804-89V58RD23CNJE	SST89V58RD2-33-C-NJE	PLCC-44	2.7 to 3.6	33	32K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	4.68	4.11	3.74
804-89E516RD4CPIE	SST89E516RD-40-C-PIE	PDIP-40	4.5 to 5.5	40	64K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32+4	8.15	7.17	6.52
◆ 804-89E51640CNJE	SST89E516RD2-40-C-NJE	PLCC-44	4.5 to 5.5	40	64K	8K	1K	Yes	Yes	Yes	2	Yes	Yes	32	7.83	6.89	6.26

* Besides four 8-bit I/O ports, an additional 4-bit port is provided in PLCC-44 packages

SST HIGH-POWER, HIGH-GAIN AMPLIFIERS

SST's power amplifiers are based on the highly reliable advanced InGaP/GaAs HBT technology. These power amplifiers can easily be configured for high-power, high-efficiency applications with superb power-added efficiency while operating over the 2.4~2.5 GHz frequency range. These are ideal for the final stage power amplification in battery-powered 802.11g/b WLAN transmitter applications.

Features:
- High linear output power
- High power-added efficiency
- Low operating current
- Built-in ultra-low I_{REF} power-up/down control
- Low idle current
- High-speed power-up/down
- High temperature stability
- Low shut-down current
- On-chip power detection
- 25dB dynamic range on-chip power detection
- Simple input-output matching

Applications:
- WLAN (IEEE 802.11g/b)
- Home RF
- Cordless phones
- 2.4 GHz ISM wireless equipment

RoHS Compliant

◆ Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Case Type	Gain (dB)	Linear Output Pwr (Max.) (dBm)	Temperature Range (˚C)	Supply Current (Typ.Max.) (mA)	Supply Voltage (V)	Price Each		
								1	50	100
◆ 804-SST12LP14-QVCE	SST12LP14-QVCE	VQFN-16	30	20	- 40 to + 85	----/340	-0.3 to +4.6	1.23	1.08	.98
◆ 804-12LP15A-QVCE	SST12LP15A-QVCE	VQFN-16	33	23	- 40 to + 85	350/----	-0.3 to +4.6	1.50	1.32	1.20

STMICROELECTRONICS STM32 ARM Cortex™

STMicroelectronics

STMICROELECTRONICS STM32 (CORTEX™-M3)

The STM32 family of 32-bit Flash Microcontrollers is based on the breakthrough ARM Cortex™-M3 core - a core specifically developed for embedded applications. The STM32 family benefits from the Cortex-M3 architectural enhancements including the Thumb-2 instruction set to deliver improved performance with better code density, significantly faster response to interrupts, all combined with industry leading power consumption. ST is now the first leading MCU supplier to introduce a product family based on this core. The STM32 family is built to offer new degrees of freedom to MCU users. It offers a complete 32-bit product range that combines high performance, low power and low voltage, while maintaining full integration and ease of development.

Applications:

Industrial
- Printers, Scanners
- Industrial Networking
- Inverters
- PLC

Building and Security
- Alarm Systems
- Video Intercom
- HVAC

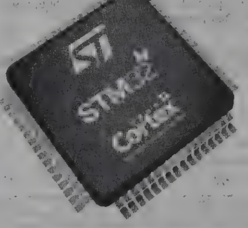
Low Power
- Glucose Meters
- Power Meters
- Battery Applications

Appliances
- Motor Drives
- Application Controls
- 3-phase motor drive (STM32F103 only)

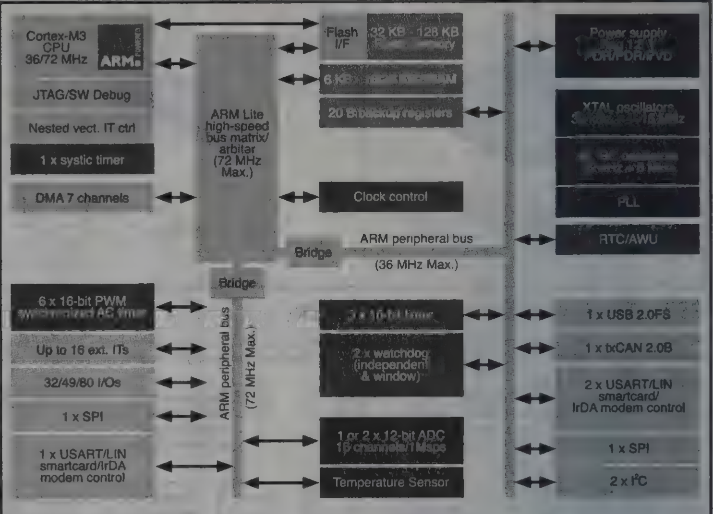
Consumer
- PC Peripherals
- Gaming
- Digital Camera
- GPS Platforms

Advantages:
- Leading-edge
- Superior and innovative
- Low power/low voltage capability
- Maximum integration
- Easy development
- Fast time to market

RoHS Compliant



STM32 Block Diagram



DMA: Direct Memory Access
RTC: Real-time Clock
AWU: Auto wake-up capability with RTC alarm
POR: Power-on reset
PDR: Power-down reset
PVD: Programmable voltage detector

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Prog. (Bytes)	RAM (Bytes)	A/D Converter	Serial Interface	I/Os (High Current 2)	Supply Voltage	Price Each		
Mfr.	Mfr. Part Number								1	10	100
511	**STM32F101C6T6**	LQFP48	32K	6KB	1x12-bit ADC, 2x16-bit timer	2xUSART, 2xSPI, 2XI2C	32(32)	2 to 3.6 V	**5.04**	**4.58**	**3.55**
511	**STM32F101C8T6**	LQFP48	64K	10KB	1x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C	32(32)	3 to 3.6 V	**5.80**	**5.28**	**4.10**
511	**STM32F101R6T6**	LQFP64	32K	32KB	1x12-bit ADC, 2x16-bit timer	2xUSART, 2xSPI, 2XI2C	49(49)	4 to 3.6 V	**5.41**	**4.92**	**3.82**
511	**STM32F101R8T6**	LQFP64	64K	64KB	1x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C	49(49)	5 to 3.6 V	**6.25**	**5.68**	**4.41**
511	**STM32F101RBT6**	LQFP64	128K	128KB	1x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C	49(49)	6 to 3.6 V	**7.50**	**6.82**	**5.28**
511	**STM32F101V8T6**	LQFP100	64K	64KB	1x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C	80(80)	7 to 3.6 V	**7.15**	**6.50**	**5.05**
511	**STM32F101VBT6**	LQFP100	128K	128KB	1x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C	80(80)	8 to 3.6 V	**8.40**	**7.64**	**5.93**
511	**STM32F103C6T6**	LQFP48	32K	32KB	2x12-bit ADC, 2x16-bit timer	2xUSART, 2xSPI, 2xI2C, PWM Timer, USB/CAN	32(32)	9 to 3.6 V	**6.08**	**5.52**	**4.27**
511	**STM32F103C8T6**	LQFP48	64K	64KB	2x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C, PWM timer, USB/CAN	32(32)	10 to 3.6 V	**7.15**	**6.50**	**5.03**
511	**STM32F103R6T6**	LQFP64	32K	32KB	2x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C, PWM Timer, USB/CAN	49(49)	11 to 3.6 V	**6.42**	**5.84**	**4.53**
511	**STM32F103R8T6**	LQFP64	64K	64KB	2x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C, PWM timer, USB/CAN	49(49)	12 to 3.6 V	**7.67**	**6.98**	**5.41**
511	**STM32F103RBT6**	LQFP64	128K	128KB	2x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C, PWM timer, USB/CAN	49(49)	13 to 3.6 V	**8.93**	**8.12**	**6.29**
511	**STM32F103V8H6**	BGA100	64K	64KB	2x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C, PWM timer, USB/CAN	80(80)	14 to 3.6 V	**8.62**	**7.84**	**6.07**
511	**STM32F103V8T6**	LQFP100	64K	64KB	2x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C, PWM timer, USB/CAN	80(80)	15 to 3.6 V	**8.62**	**7.84**	**6.07**
511	**STM32F103VBH6**	BGA100	128K	128KB	2x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C, PWM timer, USB/CAN	80(80)	16 to 3.6 V	**9.96**	**9.06**	**7.02**
511	**STM32F103VBT6**	LQFP100	128K	128KB	2x12-bit ADC, 3x16-bit timer	3xUSART, 2xSPI, 2xI2C, PWM timer, USB/CAN	80(80)	17 to 3.6 V	**9.96**	**9.06**	**7.02**

DEVELOPMENT TOOLS

ST's 32-bit STM32 microcontrollers are supported by a complete range of high-end and low-cost development tools. This extensive line includes easy-to-use starter kits, complete development tool solutions, programming tools and embedded operating systems, all tailored for STM32 ARM Cortex-M3-based MCUs.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
511	**STM3210B-PRIMER**	Complete, ultra low-cost kit for evaluation and application development.	**37.70**
511	**STM3210B-EV/WS**	Complete hardware evaluation platform with the STM32F103, implementing the full range of device peripherals and features.	**362.70**
511	**STM32103B-D/RAIS**	Daughter card that converts the STM3210B-SK/RAIS to the Performance line.	**92.30**

THIRD-PARTY SOFTWARE AND TOOLS

Users can choose from a full range of development solutions that deliver start to finish control of application development from a single environment. Solutions come with in-circuit emulators, and offer project management, source editing, application building and debugging from a single, easy-to-use graphical interface. They are available for all popular C/C++ compilers compatible with ARM cores.

The STM32 is already supported by a range of portable royalty-free, small-footprint operating systems to meet a variety of application constraints from low cost to high security.

As for our other ARM-based microcontrollers, we are developing with our partners a set of low-cost starter kits. These are complete (evaluation board, emulator, software toolset), low-cost, out-of-the-box solutions from Hitex, IAR, Keil and Raisonance for evaluating and starting development on the STM32.

IDE Supplier Contact:
Hitex: www.hitex.com
IAR: www.iar.com
Keil: www.keil.com
Raisonance: www.raisonance.com
Rowley: www.rowley.co.uk

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
511	**STM3210B-SK/KEIL**	Kit includes RealView Microcontroller Development, Kit for ARM (16 K code-size limited version) with ARM C/C++ compiler, ULINK (USB/JTAG) in-circuit emulatorand evaluation board for STM32	**188.50**
511	**STM3210B-SK/RAIS**	Kit includes RIDE (32 K code-size limited version) with GNU C/C++ compiler, debugger, RLink (USB/JTAG) in-circuit emulator, demonstration motherboard and daughter board for STM32	**217.10**
511	**STM3210B-SK/HIT**	Kit includes HiTOP5 (16 K code-size limited version), GNU C/C++ compiler, debugger and USB stick with STM32 device evaluation features and integrated in-circuit debugging/programming capability	**114.40**
511	**STM3210B-SK/IAR**	Kit includes IAR Embedded Workbench for ARM (EWARM – 32 K code-size limited version), J-Link (USB/JTAG) in-circuit emulator and evaluation board for STM32	**248.30**

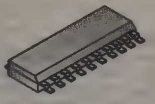
STMICROELECTRONICS 8 / 16 / 32-Bit Microcontrollers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMicroelectronics

SO-16

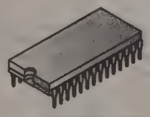
SO-20



DIP-16

DIP-20

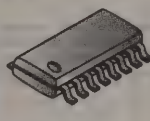
DIP-28



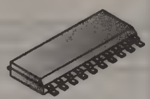
LQFP-32

NEW FROM SUPPLIER

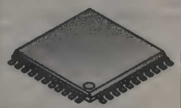
SO-28



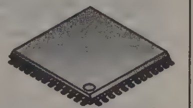
SO-20



TQFP-44



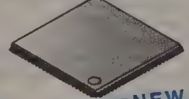
TQFP-64



TQFP-144 AND LQFP-144

NEW FROM SUPPLIER

TQFP-100

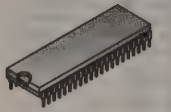


NEW FROM SUPPLIER

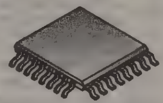
PDIP-8

NEW FROM SUPPLIER

PDIP-42



TQFP-32



ST6 GENERAL PURPOSE CONTROL 8-BIT

The ST62 family is optimized for low to midrange 8-bit embedded control applications which are often subject to two conflicting requirements: obtaining both high noise immunity and low overall system cost. With a rich selection of peripherals and memory sizes including data EEPROM, the ST62 family is available in packages ranging from 16 to 100 pins, making it easy to find the product that matches the cost target. The ST62 family is based on a standard 8-bit CPU core, surrounded by a powerful range of peripherals. The ST62 family offers all the major functions needed for embedded control: RC oscillator, 32Khz internal oscillator, safe power-on, high-current buffers for directly driving LEDs and TRIACs (with zero-crossing detection directly from the mains), safety oscillator, 8-bit ADC, data EEPROM, LCD driver, SPI, UART, Auto-Reload Timer... Each device offers a different mix of peripherals, so you can pick the one with only those features required by your application and you only pay for the hardware you really need.

Abbreviations:
ART = Auto-reload timer
IC/OC = Input capture/output compare
LVD = Low-voltage detection
OSG = Oscillator safeguard
ROP = Readout protection
SPI = Serial peripheral interface
UART = Universal asynchronous receiver transmitter

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package Type	Features & Characteristics								Price Each		
Mfr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	E²PROM	A/D inputs	Timers	I/Os (HI-Curr)	Special Features	1	10	100
Surface Mount													
511	ST62T00CM6	SO-16	1K	OTP EPROM	64	----	4x8-Bit	1x8-Bit	9 (3)	RC oscillator, OSG, ROP	1.88	1.85	1.71
511	ST62T10CM6	SO-20	2K	OTP EPROM	64	----	8x8-Bit	1x8-Bit	12 (4)	RC oscillator, OSG, ROP	2.80	2.76	2.40
511	ST62T62CM6	SO-16	2K	OTP EPROM	128	64	4x8-Bit	1x8-Bit	9 (5)	RC oscillator, OSG, ART, ROP, IC/OC	3.02	2.98	2.60
511	ST62T20CM6	SO-20	4K	OTP EPROM	64	----	8x8-Bit	1x8-Bit	12 (4)	RC oscillator, OSG, ROP	3.81	3.75	3.27
Thru Hole													
511	ST62T03CB6	DIP-16	1K	OTP EPROM	64	----	----	1x8-Bit	9 (3)	RC oscillator, OSG, ROP	1.62	1.60	1.48
511	ST62T10CB6	DIP-20	2K	OTP EPROM	64	----	8x8-Bit	1x8-Bit	12 (4)	RC oscillator, OSG, ROP	2.98	2.94	2.56
511	ST62T62CB6	DIP-16	2K	OTP EPROM	128	64	4x8-Bit	1x8-Bit	9 (5)	RC oscillator, OSG, ART, ROP, IC/OC	2.36	2.33	2.03
511	ST62T65CB6	DIP-28	2K	OTP EPROM	128	128	13x8-Bit	1x8-Bit	21 (8)	RC oscillator, OSG, ART, ROP, IC/OC	4.68	4.61	4.02
511	ST62T20CB6	DIP-20	4K	OTP EPROM	64	----	8x8-Bit	1x8-Bit	12 (4	RC oscillator, OSG, ROP	3.81	3.75	3.27
511	ST62T25CB6	DIP-28	4K	OTP EPROM	64	----	16x8-Bit	1x8-Bit	20 (4)	RC oscillator, OSG, ROP	4.14	4.08	3.56
511	ST62T60CB6	DIP-20	4K	OTP EPROM	128	128	7x8-Bit	1x8-Bit	13 (6)	RC oscillator, OSG, ART, ROP, IC/OC	5.02	4.94	4.31

ST7 INDUSTRY STANDARD FAST CORE ARCHITECTURE

The ST7 core is based on an industry standard 8-bit architecture, extended by STMicroelectronics to improve support for high level language programming and to provide additional interrupt handling features. The accumulator-based core has six internal registers including a 16-bit program counter. The instruction set has 63 instructions with 17 addressing modes offering 8x8-bit unsigned multiply, true bit manipulation, various bit/byte transfer modes and powerful branching logic. Peripheral resources are handled via dedicated interrupts and registers.

- Fast multiplication: 11 cycles or 1.37 μsecs for 8 x 8 bits (16-bit result)
- Rich choice of addressing modes for efficient handling of data in RAM (fast manipulation of tables).
- Direct memory addressing (no page handling overhead)
- Up to 16 interrupt vectors for flexible interrupt management.
- Fast interrupt response: 1.5μs typical (with 5-byte context save).
- Powerful bit manipulation instructions

Abbreviations:
ADC = Analog to digital converter
CAN = Controller area network
DALI = Digital addressable lighting interface
I2C = Inter-integrated circuit
IAP = In-application programming
ICP = In-circuit programming
ISP = In-situ programming
LVD = Low-voltage detection
PLL = Phase locked loop
ROP = Readout protection
SCI = Serial communications interface
SPI = Serial peripheral interface
SWG = Square wave generator
USB = Universal serial bus
WDG = Watchdog timer

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package Type	Features & Characteristics								Price Each		
Mfr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1	10	100
Surface Mount													
511	ST72F344K4T6	LQFP-32	8K	Flash	1024	8x10-Bit	2x16-Bit	SPI/SCI/I2C	22(5)	WWDG, RTG, SPI, SCI, I2C, PLL, ROP, ICP, IAP	3.79	3.39	2.68
511	ST72F264G2M6	SO-28	8K	Flash	256	6x10-Bit	2x16-Bit	SPI	22(8)	WDG, RTC, ROP, ICP, IAP, PLL, nested interrupts	4.29	4.23	3.69
511	ST7FLITE29F2M6	SO-20	8K	Flash	384	7x10-Bit	2x8-Bit, 1x12-Bit	SPI/DALI	15(6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	3.41	3.36	2.93
511	ST7FLITE09Y0M6	S0-16	8K	Flash	128	5x8 Bit	1x8-Bit, 1x12-Bit	SPI	13(6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	2.30	2.27	1.98
511	ST72F324J4T6	TQFP-44	16K	Flash	512	12x10-Bit	2x16-Bit	SPI/SCI	32(12)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	4.68	4.61	4.02
511	ST72F321AR6T6	TQFP-64	32K	Flash	128	16x10-Bit	2x16-Bit, 1x8-BitS	PI/SCI/I2C48	(16)	WDG, RTC, ICP, IAP, nested interrupts, TLI, ROP, beep	6.31	6.22	5.42
511	STR735FZ2T6	TQFP-144	32K	Flash	256	16x10-Bit	19x16-Bit	SPI/I2C	112(0)	WDG, RTC, 3xSPI, 2xI2C, 4C, 4xUART, 0 CAN	12.90	11.85	9.09
511	STR730FZ2T6	LQFP-144	32K	Flash	256	16x10-Bit	19x16-Bit	SPI/I2C	112(0)	WDG, RTC, 3xSPI, 2xI2C, 4C, 4xUART, 3xCAN	15.49	14.22	10.91
511	STR731FV2T6	TQFP-100	32K	Flash	256	12x10-Bit	15x16-Bit	SPI/I2C	72(0)	WDG, RTC, 3xSPI, 2xI2C, 4C, 4xUART, 3xCAN	14.67	13.47	10.33
511	STR736FV2T6	TQFP-100	32K	Flash	256	12x10-Bit	15x16 Bit	SPI/I2C	72(0)	WDG, RTC, 3xSPI, 2xI2C, 4C, 4xUART, 0 CAN	12.22	11.22	8.60
Thru Hole													
511	ST7FLITES5Y0B6	PDIP-16	8K	Flash	128	5x8-Bit	2x8-Bit	SPI	13(6)	WDG, RTC, 1% RC internal oscillator, PLL, ROP, ICP, IAP	1.55	1.53	1.41
511	ST7FLITEUS5B6	PDIP-8	8K	Flash	128	5x10-Bit	1x12-Bit	SPI	5(5)	WDG, RTC, AWC, ROP, ICP, IAP, 5 I/Os, 8Mhz RC	1.44	1.29	1.08
511	ST7FLITE29F2B6	PDIP-20	8K	Flash	384	7x10-Bit	2x8-Bit, 1x12-Bit	SPI/DALI	15(6)	ADC with op amp, PLL, ROP, ICP, IAP, 1% RC oscillator	3.82	3.76	3.28
511	ST72C334J4B6	PDIP-42	16K	Flash	512	8x8-Bit	2x16-Bit	SPI/SCI	32(4)	RC oscillator, clock security system, ISP, ROP, SWG	9.82	9.02	6.91

ST7FMC THREE-PHASE MOTOR CONTROL STANDARD FAST CORE SMD ARCHITECTURE

ST7FMC Three-Phase Motor Control Standard Fast Core Architecture 8-Bit The ST7MC family is built around an industry-standard 8-bit core. All devices feature standard MCU peripherals, and ST's on-chip motor control peripheral, the Motor Control Cell, which consists mainly of a three-phase Pulse Width Modulator multiplexed on six high-sink outputs, with a highly flexible Back EMF (BEMF) zero-crossing detector and co-processor unit for the sensorless control of permanent magnet Brushless Direct Current (BLDC) motors. ST's patented 'three resistors' sensorless control method - in conjunction with on-chip comparators, op-amp - provides the lowest possible system cost and the highest system integration for BLDC motor control.

Abbreviations:
IAP = In-application programming
ICD = In-circuit debugging
ICP = In-circuit programming
LVD = Low-voltage detection
PLL = Phase locked loop
ROP = Readout protection
RTC = Real time clock timer
SCI = Serial communications interface
SPI = Serial peripheral interface

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package Type	Features & Characteristics								Price Each		
Mfr.	Mfr. Part Number		Prog. Mem.	Memory Type	RAM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1	10	100
511	ST7FMC1K2T6	TQFP-32	8K	Flash	384	8x10-Bit	1x8-Bit, 1x16-Bit	LINSCI	17 (3)	Sensorless brushless motor control cell, ICD, ICP, IAP, LVD, CSS/PLL, ROP, RTC, nested interrupts	5.13	5.06	4.41
511	ST7FMC2S6T6	TQFP-44	32k	Flash	1024	11x10-Bit	1x8-Bit, 2x16-Bit	LINSCI, SPI	26 (6)	Sensorless brushless motor control cell, ICD, ICP, IAP, LVD, CSS/PLL, ROP, RTC, nested interrupts	6.46	6.36	5.55

STMICROELECTRONICS 8 / 16 / 32-Bit Microcontrollers

STMicroelectronics

ARM™ CORE SERIES 16/32-BIT

**Products may be RoHS compliant.
Check mouser.com for RoHS status.**

Invest in a microcontroller that can grow to meet expanding performance requirements and allows you to reuse your software and hardware investment. The ARM™ series is ideal for embedded applications requiring a compact yet powerful MCU, or versatile scalable solutions such as user interfaces, factory automation systems and point-of sale applications. Built on leading ARM™ architecture, these series makes you extremely responsive to emerging requirements, enabling you to implement changes rapidly at low cost.

Key Benefits:

- Shortens your development cycle and adapts easily to your customers' expectations
- Best-in-class Flash random access times:
  - up to 48MHz with 0 wait states (with acceleration)
  - up to 30MHz with 0 wait states (without acceleration) with no penalty from context switches and branches. This allows deterministic and optimum behavior ideal for real time applications
- Small, low pin-count TQFP64 package
- TQFP144 package with external memory bus

Key Features:

- Industry standard ARM7TDMI RISC 16/32 bit CPU
- 128K / 256K embedded Flash
- 16 /64K high-speed SRAM
- Versatile package options
- Up to 10 communication interfaces including CAN, USB, HDLC, MMC and smartcard interface
- Four low power modes
- Extensive application development tools including a low-cost kit based on the popular ARM RealView® Developer Suite.

Abbreviations:

CAN = Controller area network
EMI = External memory interface
HDLC = High level data link controller
I2C = Inter-integrated circuit
RTC Real time clock
SC = Smart card
SCI = Serial communications interface
SPI = Serial peripheral interface
UART = Universal asynchronous receiver transmitter
USB = Universal serial bus
WDG = Watch dog timer

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package Type	Features & Characteristics							Price Each		
Mfr.	**Mfr. Part Number**		Prog. Mem.	RAM	A/D inputs	Timers	Serial Interface	I/Os (HI-Curr)	Special Features	1	10	100
Surface Mount												
511	**STR710FZ1T6**	TQFP-144	128+16K	32K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	48 (8)	WDG, RTC, EMI, CAN, USB	14.21	13.05	10.01
511	**STR710FZ2T6**	TQFP-144	256+16K	64K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	48 (8)	WDG, RTC, EMI, CAN, USB	15.78	14.49	11.11
511	**STR711FR1T6**	TQFP-64	128+16K	32K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	30 (0)	WDG, RTC, USB	11.27	10.35	7.94
511	**STR711FR2T6**	TQFP-64	256+16K	64K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	30 (0)	WDG, RTC, USB	12.84	11.79	9.04
511	**STR712FR1T6**	TQFP-64	128+16K	32K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	32 (0)	WDG, RTC, CAN	9.90	9.09	6.97
511	**STR712FR2T6**	TQFP-64	256+16K	64K	4x12-Bit	5 (5/8/3)	2xSPI/2xI2C/4xUART/HDLC/SC	32 (0)	WDG, RTC, CAN	11.57	10.62	8.15
511	**STR910FAW32X6**	TQFP 128	256+32k	64	4x16-Bit	4 (16-bit)	2xSPI/2xI2C/3xUART/JTAG	80	CAN, UART, IrDA, I2C, SSP	12.22	11.22	8.60
511	**STR910FAM32X6**	TQFP 80	256+32k	64	4x16-Bit	4 (16-bit)	2xSPI/2xI2C/3xUART/JTAG	40	CAN, UART, IrDA, I2C, SSP	10.80	9.92	7.61
511	**STR911FAM44X6**	TQFP 80	512+32k	96	4x16-Bit	4 (16-bit)	2xSPI/2xI2C/3xUART/JTAG	40	USB, CAN, UART, IrDA, I2C, SSP	12.22	11.22	8.60
511	**STR911FAM42X6**	TQFP 80	256+32k	96	4x16-Bit	4 (16-bit)	2xSPI/2xI2C/3xUART/JTAG	40	USB, CAN, UART, IrDA, I2C, SSP	10.94	10.05	7.71
511	**STR912FAW44X6**	TQFP 128	512+32k	96	4x16-Bit	4 (16-bit)	2xSPI/2xI2C/3xUART/JTAG	80	USB, CAN, UART, IrDA, I2C, SSP, Ethernet	14.12	12.96	9.94
511	**STR912FAW42X6**	TQFP 128	256+32k	96	4x16-Bit	4 (16-bit)	2xSPI/2xI2C/3xUART/JTAG	80	USB, CAN, UART, IrDA, I2C, SSP, Ethernet	11.96	10.98	8.42

ST7 FLASH STICK (ST IN-CIRCUIT COMMUNICATION KIT)

The ST in-circuit communications kit (STICK) is an ideal introduction to the world of ST7 flash microcontrollers. It is a complete kit for programming the flash ST7 microcontroller. The STICK acts as a communications interface between your PC and the ST7 flash microcontroller soldered on your application board. It can program ST7 flash devices powered with any voltage within their datasheet specified range.

Features:

- ST7 visual programmer software (STVP7)
- Interface board
- Power supply
- All necessary cables

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	**Mfr. Part Number**		
511	**ST7-STICK/US**	ST7LITE Series, ST7226x Series, ST7232x Series, ST72252x Series, ST7256x Series	**93.60**

ST7 IAR ARM LOW COST STARTER KIT

The starter kits are complete, cost effective solutions for starting application development and evaluating STMicroelectronic's ARM™-core based microcontrollers. They come with all the hardware and software developers need to start developing applications for STR711F, STR712F, and STR91X devices, including the KickStart Development Board with STR71xF microcontroller, the IAR JLink-KS USB-to-JTAG debugger and IAR Embedded Workbench® integrated development environment with 32KB KickStart version of the C/C++ compiler, built in Flash loader and sample projects covering all STR71xF peripherals.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	**Mfr. Part Number**		
511	**STR711-SK/IAR**	STR711FR1T6 and STR711FR2T6	**310.96**
511	**STR712-SK/IAR**	STR712FR1T6 and STR712FR2T6	**310.96**

STR7 ARM™ EVALUATION BOARDS

NEW FROM SUPPLIER

The STR7 Eval boards are complete development platforms for the STR71x, STR73x, and STR75x boards. These boards are both cost effective, flexible and open design to demonstrate the capability of the STR7x series of flash micro-controllers and to enable rapid evaluation of the STR71x devices and available peripherals. It includes the high performance STR7x devices that boasts 256 Kbytes embedded flash with best-in-class random access time, 64 Kbytes on-chip high spedd SRAM as well as up to 10 serial communication interfaces, including USB and CAN.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	**Mfr. Part Number**		
511	**STR710-EVAL**	Complete STR71x dev platform including STR710FZ2T6 ARM7TDMITMI 256 Kbytes embedded flash, 64 Kbytes on-chip high speed SRAM,10 serial interfaces, including high speed SRAM,10 serial interfaces, including USB and CAN.	**312.00**
511	**STR730-EVAL**	Development platform for the STR73x series. Open design including rich set of peripherals and CAN serial communication.	**206.96**
511	**STR750-EVAL**	Evaluation board with ARM® core-based STR75xF microcontrollers. Includes high performance STR750F with 2.0 USB, 3 UART channels, internal Flash and inernal SRAM memory.	**248.30**

ST LOW COST RAISONANCE & HITEX STARTER KITS

NEW FROM SUPPLIER

These starter kits are complete solutions for starting application development and evaluating STMicroelectronics families of microcontrollers. They come with all the hardware and software you need to start developing applications for the STR7x, ST7LITEx, and ARM series microcontrollers. These kits come complete with evaluation board, targeted micrcontroller, the Ulink USB-to-JTAG in-circuit debugger/programmer and integrated development environment for complete solutions on designing the ultimate application development.

MOUSER STOCK NO.		Supported Devices	Price Each
Mfr.	**Mfr. Part Number**		
511	**ST72F34X-SK-RAIS**	REva Raisonance starter kit supporting ST7LITEx, ST723x, and ST72263 MCU's.	**154.96**
511	**STR750-SK/RAIS**	Reva Starter Kit supporting Raisonance's ARM7TDMI™ and ARM966E™ core-based MCU's.	**206.70**
511	**STR750-SK/HIT**	Hitex Starter Kits for ST ARM® (STR91XSK/HIT, STR750-SK/HIT, STR730-SK/HIT, STR710-SK/HIT) complete development solution.	**206.70**

TEXAS INSTRUMENTS MSP430 Microcontrollers

RoHS Compliant This page of product is compliant.

TEXAS INSTRUMENTS MSP430 ULTRA-LOW POWER MICROCONTROLLERS

MSP430x1xx - Flash ROM No LCD

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Freq (MHz)	Flash	RAM	GPIO	ADC	LCD Segments	Temp Sensor	Brown Out Reset	Price Each	
											1	25
595-430F1101AIPW	MSP430F1101AIPW	TSSOP-20	8	1	128	14	Slope	-	No	No	2.38	2.14
595-430F1101AIRGET	MSP430F1101AIRGET	QFN-24	8	1	128	14	Slope	-	No	No	2.38	2.14
595-430F1111AIPW	MSP430F1111AIPW	TSSOP-20	8	2	128	14	Slope	-	No	No	3.24	2.92
595-430F1111AIRGET	MSP430F1111AIRGET	QFN-24	8	2	128	14	Slope	-	No	No	3.24	2.92
595-430F1121AIPW	MSP430F1121AIPW	TSSOP-20	8	4	256	14	Slope	-	No	No	3.83	3.06
595-430F1121AIRGET	MSP430F1121AIRGET	QFN-24	8	4	256	14	Slope	-	No	No	4.08	3.67
595-430F1122IDW	MSP430F1122IDW	SOIC-20	8	4	256	14	10-bit SAR	-	Yes	Yes	4.50	3.60
595-MSP430F1122IRHBT	MSP430F1122IRHBT	QFN-32	8	4	256	14	10-bit SAR	-	Yes	Yes	4.80	4.32
595-430F1222IPW	MSP430F1222IPW	TSSOP-28	8	4	256	22	10-bit SAR	-	Yes	Yes	5.76	5.18
595-430F1222IRHBT	MSP430F1222IRHBT	QFN-32	8	4	256	22	10-bit SAR	-	Yes	Yes	5.76	5.18
595-430F122IPW	MSP430F122IPW	TSSOP-28	8	4	256	22	Slope	-	No	No	5.16	4.64
595-430F122IRHBT	MSP430F122IRHBT	QFN-32	8	4	256	22	Slope	-	No	No	5.16	4.64
595-430F1132IPW	MSP430F1132IPW	TSSOP-20	8	8	256	14	10-bit SAR	-	Yes	Yes	5.40	4.86
595-MSP430F1132IRHBT	MSP430F1132IRHBT	QFN-32	8	8	256	14	10-bit SAR	-	Yes	Yes	5.40	4.86
595-430F1232IPWR	MSP430F1232IPWR	TSSOP-28	8	8	256	22	10-bit SAR	-	Yes	Yes	6.00	5.40
595-430F1232IRHBR	MSP430F1232IRHBR	QFN-32	8	8	256	22	10-bit SAR	-	Yes	Yes	5.00	3.37
595-430F123IPW	MSP430F123IPW	TSSOP-28	8	8	256	22	Slope	-	No	No	5.52	4.97
595-430F123IRHBT	MSP430F123IRHBT	QFN-32	8	8	256	22	Slope	-	No	No	5.52	4.97
595-430F133IPM	MSP430F133IPM	LQFP-64	8	8	256	48	12-bit SAR	-	Yes	No	7.20	6.48
595-MSP430F133IRTDT	MSP430F133IRTDT	QFN-64	8	8	256	48	12-bit SAR	-	Yes	No	7.20	6.48
595-430F135IPM	MSP430F135IPM	LQFP-64	8	16	512	48	12-bit SAR	-	Yes	No	7.20	5.76
595-MSP430F135IRTDT	MSP430F135IRTDT	QFN-64	8	16	512	48	12-bit SAR	-	Yes	No	8.64	7.78
595-430F155IPM	MSP430F155IPM	LQFP-64	8	16	512	48	12-bit SAR	-	Yes	Yes	11.88	10.69
595-430F156IPM	MSP430F156IPM	LQFP-64	8	24	1	48	12-bit SAR	-	Yes	Yes	13.32	11.99
595-430F1471IPM	MSP430F1471IPM	LQFP-64	8	32	1	48	Slope	-	No	No	11.04	9.94
595-MSP430F1471IRTDT	MSP430F1471IRTDT	QFN-64	8	32	1	48	Slope	-	No	No	11.04	9.94
595-430F147IPM	MSP430F147IPM	LQFP-64	8	32	1	48	12-bit SAR	-	Yes	No	8.41	7.58
595-MSP430F147IRTDT	MSP430F147IRTDT	QFN-64	8	32	1	48	12-bit SAR	-	Yes	No	12.12	10.91
595-430F157IPM	MSP430F157IPM	LQFP-64	8	32	1	48	12-bit SAR	-	Yes	Yes	14.04	12.64
595-430F167IPM	MSP430F167IPM	LQFP-64	8	32	1	48	12-bit SAR	-	Yes	Yes	16.20	14.58
595-MSP430F1610IPM	MSP430F1610IPM	LQFP-64	8	32	5	48	12-bit SAR	-	Yes	Yes	19.80	17.82
595-MSP430F1610IRTDT	MSP430F1610IRTDT	QFN-64	8	32	5	48	12-bit SAR	-	Yes	Yes	19.80	17.82
595-430F1481IPM	MSP430F1481IPM	LQFP-64	8	48	2	48	Slope	-	No	No	12.72	11.45
595-MSP430F1481IRTDT	MSP430F1481IRTDT	QFN-64	8	48	2	48	Slope	-	No	No	12.72	11.45
595-430F148IPM	MSP430F148IPM	LQFP-64	8	48	2	48	12-bit SAR	-	Yes	No	13.80	12.42
595-MSP430F148IRTDT	MSP430F148IRTDT	QFN-64	8	48	2	48	12-bit SAR	-	Yes	No	13.80	12.42
595-430F168IPM	MSP430F168IPM	LQFP-64	8	48	2	48	12-bit SAR	-	Yes	Yes	17.88	16.09
595-MSP430F1611IPM	MSP430F1611IPM	LQFP-64	8	48	10	48	12-bit SAR	-	Yes	Yes	14.45	12.98
595-MSP430F1611IRTDT	MSP430F1611IRTDT	QFN-64	8	48	10	48	12-bit SAR	-	Yes	Yes	20.76	18.68
595-MSP430F1612IPM	MSP430F1612IPM	LQFP-64	8	55	5	48	12-bit SAR	-	Yes	Yes	14.95	13.43
595-MSP430F1612IRTDT	MSP430F1612IRTDT	QFN-64	8	55	5	48	12-bit SAR	-	Yes	Yes	21.48	19.33
595-430F1491IPM	MSP430F1491IPM	LQFP-64	8	60	2	48	Slope	-	No	No	9.33	8.40
595-MSP430F1491IRTDT	MSP430F1491IRTDT	QFN-64	8	60	2	48	Slope	-	No	No	13.44	12.10
595-430F149IPAG	MSP430F149IPAG	TQFP-64	8	60	2	48	12-bit SAR	-	Yes	No	14.52	13.07
595-430F149IPM	MSP430F149IPM	LQFP-64	8	60	2	48	12-bit SAR	-	Yes	No	10.08	9.08
595-MSP430F149IRTDT	MSP430F149IRTDT	QFN-64	8	60	2	48	12-bit SAR	-	Yes	No	14.52	13.07
595-430F169IPM	MSP430F169IPM	LQFP-64	8	60	2	48	12-bit SAR	-	Yes	Yes	13.28	11.93

MSP430x2xx - Flash No LCD

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Freq (MHz)	Flash	RAM	GPIO	ADC	LCD Segments	Temp Sensor	Brown Out Reset	Price Each	
											1	25
595-MSP430F2001IPW	MSP430F2001IPW	TSSOP-14	16	1	128	10	Slope	-	No	Yes	1.38	1.10
595-MSP430F2001IRSAT	MSP430F2001IRSAT	QFN-16	16	1	128	10	Slope	-	No	Yes	1.38	1.10
595-MSP430F2002IPW	MSP430F2002IPW	TSSOP-14	16	1	128	10	10-bit SAR	-	Yes	Yes	2.48	1.98
595-MSP430F2002IRSAT	MSP430F2002IRSAT	QFN-16	16	1	128	10	10-bit SAR	-	Yes	Yes	2.48	1.98
595-MSP430F2003IPWR	MSP430F2003IPWR	TSSOP-14	16	1	128	10	16-bit Sigma Delta	-	Yes	Yes	3.60	3.24
595-MSP430F2003IRSAT	MSP430F2003IRSAT	QFN-16	16	1	128	10	16-bit Sigma Delta	-	Yes	Yes	3.38	2.70
595-MSP430F2101IDGV	MSP430F2101IDGV	TVSOP-20	16	1	128	16	Slope	-	No	Yes	2.16	1.94
595-MSP430F2101IDW	MSP430F2101IDW	SOIC-20	16	1	128	16	Slope	-	No	Yes	2.16	1.94
595-MSP430F2011IPW	MSP430F2011IPW	TSSOP-14	16	2	128	10	Slope	-	No	Yes	1.75	1.40
595-MSP430F2011IRSAT	MSP430F2011IRSAT	QFN-16	16	2	128	10	Slope	-	No	Yes	1.75	1.40
595-MSP430F2012IPW	MSP430F2012IPW	TSSOP-14	16	2	128	10	10-bit SAR	-	Yes	Yes	2.59	2.07
595-MSP430F2012IRSAT	MSP430F2012IRSAT	QFN-16	16	2	128	10	10-bit SAR	-	Yes	Yes	2.59	2.07
595-MSP430F2013IPWR	MSP430F2013IPWR	TSSOP-14	16	2	128	10	16-bit Sigma Delta	-	Yes	Yes	3.96	3.56
595-MSP430F2013IRSAT	MSP430F2013IRSAT	QFN-16	16	2	128	10	16-bit Sigma Delta	-	Yes	Yes	3.71	2.97
595-MSP430F2111IPW	MSP430F2111IPW	TSSOP-20	16	2	128	16	Slope	-	No	Yes	2.38	2.14
595-MSP430F2111IRGET	MSP430F2111IRGET	QFN-24	16	2	128	16	Slope	-	No	Yes	2.38	2.14
595-MSP430F2121IPW	MSP430F2121IPW	TSSOP-20	16	4	256	16	Slope	-	No	Yes	3.24	2.92
595-MSP430F2121IRGET	MSP430F2121IRGET	QFN-24	16	4	256	16	Slope	-	No	Yes	3.24	2.92
595-MSP430F2131IDW	MSP430F2131IDW	SOIC-20	16	8	256	16	Slope	-	No	Yes	4.08	3.67
595-MSP430F2131IPW	MSP430F2131IPW	TSSOP-20	16	8	256	16	Slope	-	No	Yes	4.08	3.67
595-MSP430F2131IRGET	MSP430F2131IRGET	QFN-24	16	8	256	16	Slope	-	No	Yes	4.08	3.67

MSP430x4xx - Flash/ROM LCD

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Freq (MHz)	Flash	RAM	GPIO	ADC	LCD Segments	Temp Sensor	Brown Out Reset	Price Each	
											1	25
595-430F412IPM	MSP430F412IPM	LQFP-64	8	4	256	48	Slope	96	No	Yes	6.24	5.62
595-MSP430F412IRTDT	MSP430F412IRTDT	QFN-64	8	4	256	48	Slope	96	No	Yes	6.24	5.62
595-430F413IPM	MSP430F413IPM	LQFP-64	8	8	256	48	Slope	96	No	Yes	7.08	6.37

TEXAS INSTRUMENTS MSP430 MCUs, DSCs & ARM7 MCUs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

TEXAS INSTRUMENTS MSP430 ULTRA-LOW POWER MICROCONTROLLERS

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Freq (MHz)	Flash	RAM	GPIO	ADC	LCD Segments	Temp Sensor	Brown Out Reset	Price Each	
											1	25
MSP430x4xx - Flash/ROM LCD Cont.												
595-MSP430F413IRTDT	MSP430F413IRTDT	QFN-64	8	8	256	48	Slope	96	No	Yes	7.08	6.37
595-430F423IPM	MSP430F423IPM	LQFP-64	8	8	256	14	16-bit Sigma Delta	128	Yes	Yes	10.80	9.72
595-430FE423IPM	MSP430FE423IPM	LQFP-64	8	8	256	14	16-bit Sigma Delta	128	Yes	Yes	11.64	10.48
595-430FW423IPM	MSP430FW423IPM	LQFP-64	8	8	256	48	Slope	96	No	Yes	9.00	8.10
595-430FE427IPM	MSP430FE427IPM	LQFP-64	8	16	1	14	16-bit Sigma Delta	128	Yes	Yes	14.28	12.85
595-MSP430F4250IDL	MSP430F4250IDL	SSOP-48	8	16	256	32	16-bit Sigma Delta	56	Yes	Yes	7.44	6.70
595-MSP430F4250IRGZT	MSP430F4250IRGZT	QFN-48	8	16	256	32	16-bit Sigma Delta	56	Yes	Yes	7.44	6.70
595-430F415IPM	MSP430F415IPM	LQFP-64	8	16	512	48	Slope	96	No	Yes	8.16	7.34
595-430F425IPM	MSP430F425IPM	LQFP-64	8	16	512	14	16-bit Sigma Delta	128	Yes	Yes	11.88	10.69
595-430F435IPN	MSP430F435IPN	LQFP-80	8	16	512	48	12-bit SAR	128	Yes	Yes	10.68	9.61
595-430FE425IPM	MSP430FE425IPM	LQFP-64	8	16	512	14	16-bit Sigma Delta	128	Yes	Yes	13.08	11.77
595-430FW425IPM	MSP430FW425IPM	LQFP-64	8	16	512	48	Slope	96	No	Yes	9.72	8.75
595-430F436IPN	MSP430F436IPN	LQFP-80	8	24	1	48	12-bit SAR	128	Yes	Yes	11.28	10.15
595-MSP430F4260IDL	MSP430F4260IDL	SSOP-48	8	24	256	32	16-bit Sigma Delta	56	Yes	Yes	8.28	7.45
595-MSP430F4260IRGZT	MSP430F4260IRGZT	QFN-48	8	24	256	32	16-bit Sigma Delta	56	Yes	Yes	8.28	7.45
595-430F417IPM	MSP430F417IPM	LQFP-64	8	32	1	48	Slope	96	No	Yes	9.36	8.42
595-430F427IPM	MSP430F427IPM	LQFP-64	8	32	1	14	16-bit Sigma Delta	128	Yes	Yes	12.96	11.66
595-430F437IPN	MSP430F437IPN	LQFP-80	8	32	1	48	12-bit SAR	128	Yes	Yes	9.80	7.84
595-MSP430F447IPZ	MSP430F447IPZ	LQFP-100	8	32	1	48	12-bit SAR	160	Yes	Yes	13.80	12.42
595-430FG437IPN	MSP430FG437IPN	LQFP-80	8	32	1	48	12-bit SAR	128	Yes	Yes	15.60	14.04
595-430FW427IPM	MSP430FW427IPM	LQFP-64	8	32	1	48	Slope	96	No	Yes	10.68	9.61
595-MSP430F4270IDL	MSP430F4270IDL	SSOP-48	8	32	256	32	16-bit Sigma Delta	56	Yes	Yes	9.12	8.21
595-MSP430F4270IRGZT	MSP430F4270IRGZT	QFN-48	8	32	256	32	16-bit Sigma Delta	56	Yes	Yes	9.12	8.21
595-430F448IPZ	MSP430F448IPZ	LQFP-100	8	48	2	48	12-bit SAR	160	Yes	Yes	15.60	14.04
595-430FG438IPN	MSP430FG438IPN	LQFP-80	8	48	2	48	12-bit SAR	128	Yes	Yes	17.64	15.88
595-430F449IPZ	MSP430F449IPZ	LQFP-100	8	60	2	48	12-bit SAR	160	Yes	Yes	11.75	10.58
595-430FG439IPN	MSP430FG439IPN	LQFP-80	8	60	2	48	12-bit SAR	128	Yes	Yes	19.08	17.17
595-MSP430FG4618IPZ	MSP430FG4618IPZ	LQFP-100	8	116	8	80	12-bit SAR	160	No	No	20.70	18.63
MSP430x1xx - Flash ROM No LCD												
595-430P112IDW	MSP430P112IDW	SOIC-20	8	-	256	14	Slope	-	No	No	5.76	5.18
MSP430x3xx - ROM/OTP LCD												
595-430P337IPJM	MSP430P337IPJM	QFP-100	8	-	1	40	Slope	120	No	No	18.36	16.52
595-430P315IDL	MSP430P315IDL	SSOP-56	8	-	512	14	Slope	92	No	No	12.60	11.34
595-430P325AIPM	MSP430P325AIPM	LQFP-64	8	-	512	14	14-bit SAR	84	No	No	16.44	14.80

TEXAS INSTRUMENTS C2000 ™ DIGITAL SIGNAL CONTROLLERS

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Freq (MHz)	RAM (Kb)	Timers	ADC	PWM	UART (SC I)	Price Each	
									1	25
TMS320C28x Controllers										
595-TMS320F2806GGMA	TMS320F2806GGMA	BGA-100	100	20	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	20.88	18.79
595-TMS320F2806PZS	TMS320F2806PZS	LQFP-100	100	20	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	23.04	20.74
595-TMS320F2806ZGMA	TMS320F2806ZGMA	BGA MICROSTAR-100	100	20	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	20.88	18.79
595-TMS320F2808GGMA	TMS320F2808GGMA	BGA-100	100	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	27.84	25.06
595-TMS320F2808PZA	TMS320F2808PZA	LQFP-100	100	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	27.84	25.06
595-TMS320F2808ZGMA	TMS320F2808ZGMA	BGA MICROSTAR-100	100	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	27.84	25.06
595-TMS320F2812GHHA	TMS320F2812GHHA	BGA-179	150	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	37.56	33.80
595-TMS320F2812PGFA	TMS320F2812PGFA	LQFP-176	150	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	37.56	33.80
595-TMS320F2812PGFS	TMS320F2812PGFS	LQFP-176	150	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	41.40	37.26
595-TMS320F2812ZHHA	TMS320F2812ZHHA	BGA MICROSTAR-179	150	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	37.56	33.80
595-TMS320F2811PBKA	TMS320F2811PBKA	LQFP-128	150	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	35.40	31.86
595-TMS320F2810PBKA	TMS320F2810PBKA	LQFP-128	150	36	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	33.24	29.92
595-TMS320R2812GHHA	TMS320R2812GHHA	BGA-179	150	40	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	25.26	23.00
595-TMS320R2812PGFA	TMS320R2812PGFA	LQFP-176	150	40	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	25.26	23.00
595-TMS320R2812ZHHA	TMS320R2812ZHHA	BGA MICROSTAR-179	150	40	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	26.63	23.43
595-TMS320R2811PBKA	TMS320R2811PBKA	LQFP-128	150	40	1-WD, 3-32-Bit GP	1 16-Ch 12-Bit	16-Ch	2	21.96	19.76
TMS320C24x Controllers										
595-TMS320LF2403APAG	TMS320LF2403APAGS	TQFP-64	40	2	1 WD, 2-16-Bit GP	8-Ch 10-Bit	8-Ch	1	15.08	13.58
595-TMS320LF2402APGA	TMS320LF2402APGA	QFP-64	40	2	1 WD, 2-16-Bit GP	8-Ch 10-Bit	8-Ch	1	17.04	15.34
595-TMS320LF2401AVFA	TMS320LF2401AVFA	LQFP-32	40	2	1 WD, 2-16-Bit GP	5-Ch 10-Bit	8-Ch	1	6.30	5.60
595-TMS320LF2407APGE	TMS320LF2407APGES	LQFP-144	40	5	1-WD, 4-16Bit GP	16-Ch 10-Bit	16-Ch	1	16.24	14.63
595-TMS320LF2406APZA	TMS320LF2406APZA	LQFP-100	40	5	1-WD, 4-16Bit GP	16-Ch 10-Bit	16-Ch	1	20.04	18.04
595-TMS320LF2406APZS	TMS320LF2406APZS	LQFP-100	40	5	1-WD, 4-16Bit GP	16-Ch 10-Bit	16-Ch	1	22.08	19.87

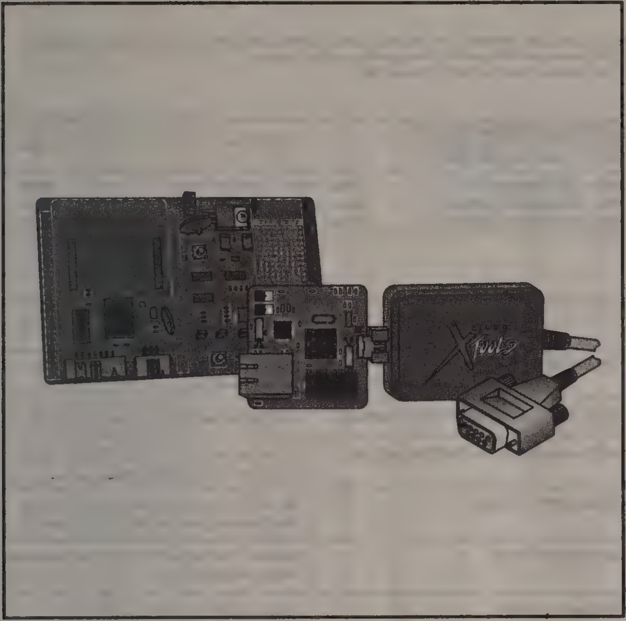
TMS470 ARM7TDMI®-BASED INDUSTRIAL MCUS

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Freq (MHz)	Flash (kB)	RAM (Kb)	GPIO	Timer # of Ch.	10-bit A/D # of Ch.	SPI	SCI	Price Each		
											1	25	100
TMS470R1Axx													
595-TMS470R1A64PNT	TMS470R1A64PNT	LQFP-80	48	64	8	40	13	8	2	2	8.70	6.96	5.87
595-TMS470R1A128PZ	TMS470R1A128PZ-T	LQFP-100	48	128	8	50	16	16	2	2	9.50	7.60	6.41
595-TMS470R1A256PZ-T	TMS470R1A256PZ-T	LQFP-100	48	256	12	50	16	16	2	2	9.50	8.55	7.58
595-TMS470R1A288PGEA	TMS470R1A288PGEA	LQFP-144	48	288	16	57 (PZ)	12	12	2	2	11.08	9.97	8.84
595-TMS470R1A288PGET	TMS470R1A288PGET	LQFP-144	48	288	16	57 (PZ)	12	12	2	2	11.08	9.97	8.84
595-TMS470R1A288PZ-T	TMS470R1A288PZ-T	LQFP-100	48	288	16	57 (PZ)	12	12	2	2	10.58	9.52	8.44
595-TMS470R1A384PGET	TMS470R1A384PGET	LQFP-144	48	384	32	53 (PZ)	12	12	2	2	12.66	11.40	10.10
595-TMS470R1A384PZ-T	TMS470R1A384PZ-T	LQFP-100	48	384	32	53 (PZ)	12	12	2	2	12.16	10.95	9.70
TMS470R1Bxx													
595-TMS470R1B512PGET	TMS470R1B512PGET	LQFP-144	60	512	32	87	32	16	3	2	14.74	13.27	11.77
595-TMS470R1B768PGET	TMS470R1B768PGET	LQFP-144	60	768	48	87	32	16	5	2	17.55	16.38	15.21
595-TMS470R1B1MPGEA	TMS470R1B1MPGEA	LQFP-144	60	1 MB	64	93	12	12	2	3	20.33	18.97	17.61

ZILOG eZ80Acclaim! Flash Microcontrollers

Products may be RoHS compliant.
Check mouser.com for RoHS status.



Feature:	eZ80F91	eZ80F92	eZ80F93
Maximum Speed	50MHz	20MHz	20MHz
Address/Data Bus Width	24-Bit / 8-Bit	24-Bit / 8-Bit	24-Bit / 8-Bit
Flash / SRAM Memory	256KB / 16KB	128KB / 8KB	64KB / 4KB
Other On-Chip Memory	512 Bytes Configuration Flash	256 Bytes Configuration Flash	256 Bytes Configuration Flash
Access Time / Flash / SRAM	60ns / <20ns	60ns / <20ns	60ns / <20ns
Maximum Addressable Space	16MB Linear	16MB Linear	16MB Linear
External Bus I / F	Yes	Yes	Yes
Chip Selects and Wait- State Generators	4	4	4
EMAC	1 X 10/100MBps	No	No
UART with HW Handshake	2 (UART0 has IrDA Endec)	2 (UART0 has IrDA Endec)	2 (UART0 has IrDA Endec)
SPI	1	1	1
I2C	1	1	1
Timers	4 X 16-Bit	6 X 16-Bit	6 X 16-Bit
Special Timer Features	Selectable timer clock inputs, 2X external event counter, 2X Tout, 4X PWM, 4X Captures, 4X Compares	2X Tin, 2X Tout	2X Tin, 2X Tout
Real-Time Clock	Yes	Yes	Yes
Watchdog Timer	Yes	Yes	Yes
GPIO	32	24	24
Full Featured PLL	Yes	No	No
JTAG	Yes, Also supports ZDI	Yes, Supports debugging only. Also supports ZDI	Yes, Supports debugging only. Also supports ZDI
Operating Voltage	3.0 - 3.6V	3.0 - 3.6V	3.0 - 3.6V
Package	LQFP - 144	LQFP - 100	LQFP - 100

EZ80F91 FLASH MICROCONTROLLER

Features:

- eZ80 core operating at 50MHz
- On-chip 10/100BaseT Ethernet MAC
- 256KB on-chip Flash memory
- 16KB on-chip SRAM
- Power management features supporting Sleep, Halt, and peripheral power-down controls
- Glueless external bus supporting eZ80, Z80, Intel, and Motorola modes
- 32 GPIO
- IrDA compatible Infrared Encoder/Decoder
- Two independent UARTs with multidrop mode
- SPI and I2C ports
- Four, 16-bit counter/timers with I/O capability
- Watch Dog Timer with selectable clock inputs
- Real-time clock with on-chip 32KHz oscillator
- Full-feature PLL
- JTAG and ZiLOG Debug Interfaces
- Interrupt controller supporting internal and external maskable interrupts as well as non-maskable interrupts input
- New DMA-like eZ80 instructions

Description:

The eZ80F91 is the flagship device of the eZ80Acclaim! family of Flash Microcontrollers (MCUs). With 50MHz speed and an on-chip Ethernet MAC, designers now have the necessary performance to execute complex applications quickly and efficiently. Combining 256KB of Flash with 16KB SRAM, the eZ80F91 provides the memory needed to implement communication protocol stacks and achieve the flexibility when performing in-system updates of application firmware. Complementing the high performance, the eZ80F91 offers a rich set of serial communication peripherals to address application designs ranging from consumer electronics and point-of-sale terminals to security systems and industrial control.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	25	100
692—	EZ80F915050MODG	eZ80F91 Module	150.00	120.00	Call for Quote
692—	EZ80F915005MOD	Mini Ethernet Module	87.50	70.00	

MOUSER STOCK NO.		Package	Mem. Flash (bytes)	SRAM (bytes)	Speed (MHz)	Count /timers	Temp. Range	Price Each			
Mfr.	Mfr. Part No.							1	25	100	500
692—	EZ80F91AZ050SG	LQFP-144	256K	16K	50	4	0 - 70	22.38	17.90	11.93	Call for Quote
692—	EZ80F91AZ050EG	LQFP-144	256K	16K	50	4	-40 -105	24.60	19.68	13.12	
692—	EZ80F91NA050EG	BGA-144	256K	16K	50	4	-40-105	25.73	20.58	13.72	
692—	EZ80F91NA050SG	BGA-144	256K	16K	50	4	0 - 70	23.50	18.80	12.53	

Development Kit

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
692—	EZ80F910100KIT	EZ80F91 Development Kit	99.95

EZ80F92 FLASH MICROCONTROLLER

Features:

- eZ80 core operating at 20MHz
- Up to 128KB on-chip Flash memory
- Up to 8KB on-chip SRAM
- Power management features supporting Sleep, Halt, and peripheral power-down controls
- Glueless external bus supporting eZ80, Z80, Intel, and Motorola modes
- Up to 24 GPIO
- IrDA compatible Infrared Encoder/Decoder
- Two independent UARTs with multidrop mode
- SPI and I2C ports
- Six, 16-bit counter/timers with I/O capability
- Watch Dog Timer with selectable clock inputs
- Real-time clock with on-chip 32KHz oscillator
- JTAG and ZiLOG Debug Interfaces
- Interrupt controller supporting internal and external maskable interrupts as well as non-maskable interrupts input
- New DMA-like eZ80 instructions

Description:

The eZ80F92 is another of the devices which make up the eZ80Acclaim!™ family of Flash Microcontrollers (MCUs). Combining 20MHZ speed, 128KB of Flash, and 8KB SRAM, the eZ80F92 provides the performance and memory needed to implement communication protocol stacks and achieve the flexibility when performing in-system updates of application firmware. Complementing the high performance, the eZ80F92 offers a rich set of serial communication peripherals to address application designs ranging from consumer electronics and point-of-sale terminals to security systems and industrial control. The zZ80L92 is the ROMless equivalent to the eZ80F92/93.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	25	100
692—	EZ80F920020MOD	eZ80F92 Flash Module	105.13	84.10	Call for Quote
692—	EZ80F920120MOD	eZ80F92 Ethernet Module	135.00	108.00	

MOUSER STOCK NO.		Package	Mem. Flash (bytes)	SRAM (bytes)	Speed (MHz)	Count /timers	Temp. Range	Price Each			
Mfr.	Mfr. Part No.							1	25	100	500
692—	EZ80F92AZ020SG	LQFP-100	128K	8K	20	6	0 - 70	15.63	12.50	8.33	Call
692—	EZ80F92AZ020EG	LQFP-100	128K	8K	20	6	-40-105	17.20	13.76	9.17	

Development Kit

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
692—	EZ80F920200ZCO	eZ80F92 Development Kit	399.95

EZ80F93 FLASH MICROCONTROLLER

Attention:

- Above features and development kit for eZ80F92Acclaim!™ are applicable to eZ80F93Acclaim!™.

Description:

The eZ80F93 is a new part comprising part of the eZ80Acclaim!™ family of Flash Microcontrollers (MCU's). Combining 20MHz speed, 64KB of Flash, and 4KB SRAM, the eZ80F93 provides the performance and memory needed to implement communication protocol stacks amd achieve the flexibility when performing in-system updates of application firmware. Complementing the high performance, the eZ80F93 offers a rich set of serial communication peripherals to address application designs ranging from consumer electronics and point-of-sale terminals to security systems and industrial control.

MOUSER STOCK NO.		Package	Mem. Flash (bytes)	SRAM (bytes)	Speed (MHz)	Count /timers	Temp. Range	Price Each			
Mfr.	Mfr. Part No.							1	25	100	500
692—	EZ80F93AZ020SG	LQFP-100	64K	4K	20	6	0 - 70	14.53	11.62	7.75	Call
692—	EZ80F93AZ020EG	LQFP-100	64K	4K	20	6	-40-105	15.98	12.78	8.52	

ZILOG Microcontrollers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZILOG Z8 ENCORE!™ FLASH MCU DEVELOPMENT KIT

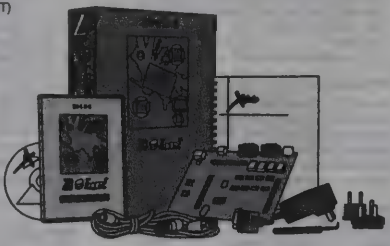
The Z8 Encore! Microcontroller (MCU) Development Kit is a general-purpose platform that allows design engineers to evaluate the capabilities and operation of the Z8 Encore! family of microcontrollers and provides tools to shorten the development cycle. Included with the Development Kit is a free full-version ANSI C-Compiler and a Target Interface Module board that interfaces with the on-chip debugger converting a one-wire interface to a two-wire RS-232-like interface. All necessary hardware, software tools, and technical documentation are included, to provide a complete solution at minimal cost.

Features:

Hardware:
- Evaluation Board, Z8 Encore!
- Smart Cable – DB9 to six-pin male (Z8F08200100KIT)
- RS-232 DB9 Serial Cable
- 9VDC Universal Power Supply

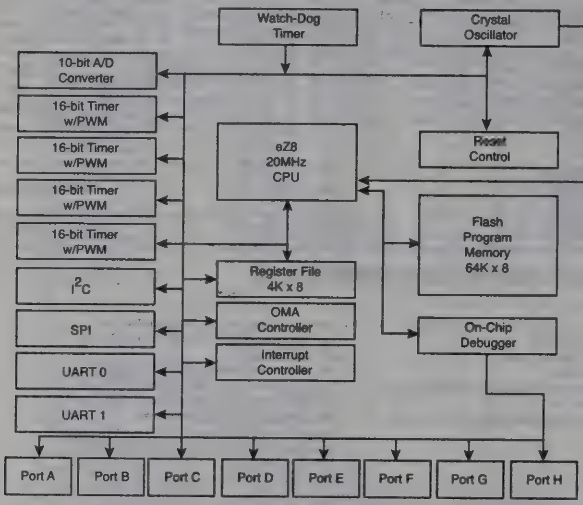
Software:
- ZDS II - Z8 Encore! IDE with ANSI C-Compiler
- Sample code
- Device Driver software

CD-ROM contains:
- ZDS II Quick Start Guide
- Development Kit User Manual
- ZDS II - IDE User Manual
- EZ8 CPU User Manual
- Product Specifications
- Product Briefs
- Application Notes
- Flyer
- Product Linecard



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
692—	Z8F08200100KIT	ENCORE! KIT (4K-8K Flash)	39.95
692—	Z8ENCORE000ZAC	Smart Cable Accessory Kit	19.95
692—	Z8F642ICE00ZEM	In Circuit Emulator	2795.00

The New Z8 Encore!™ MCU Block Diagram



Features:	Benefits
20MHz CPU Operation	Faster execution of CPU instructions at up to 10 MIPS
Up to 12-Channel, 10-Bit A/D Converter	Precise measurement of analog signals
3-Channel DMA (16-64KB Parts Only)	Increases performance by allowing direct peripheral-to-memory swaps
Up to 64KB of Flash	Allows for code upgrades anytime during development (even in final application)
Up to 4KB SRAM	Extends data space to accommodate large stanck and data tables
SPI and I2C Ports	Supports both universal serial communication protocols with ability to operate simultaneously
Up to Two 9-Bit UARTs	Enables full featured serial communications including RS-485 and IrDA Encoder/Decoder interface
Up to Two 9-Bit UARTs	Enables full featured serial communications including RS-485 and IrDA Encoder/Decoder interface
Up to 24 Interrupts	Hardware interrupts increase CPU's bandwidth
Up to Four 16-Bit Timers with PWMs	Multi-mode timers allow for precise measurement of system events
Single-pin, On-Chip Debugger	Eliminates need for external debug hardware

---

ZILOG Z8 ENCORE!™ MICROCONTROLLERS

- Each Z8 Encore! Microcontroller contains the following: Watchdog Timers, SPI Port, 12C Port.
- Core Speed: 20 MHz

◆ **Surface Mount Device**

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Flash (Bytes)	RAM (Bytes)	I/O Lines	Interrupts	16-Bit Timers	PWM's	10-Bit A/D Channels	DMA Controller	UARTs	Voltage (V)	Temperature (°C)	Price Each			
Mfr.	Mfr. Part Number													1	25	100	500
◆ 692—	Z8F0411HH020SG	SSOP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	0 to 70	2.55	2.04	1.45	1.36
◆ 692—	Z8F0421HH020SG	SSOP-20	4K	1K	11	16	2	2	2	-	1	2.7 to 3.6	0 to 70	2.68	2.14	1.53	1.42
◆ 692—	Z8F0412SJ020SG	SOIC-28	4K	1K	19	19	2	2	-	-	1	2.7 to 3.6	0 to 70	2.65	2.12	1.51	1.41
◆ 692—	Z8F0422SJ020SG	SOIC-28	4K	1K	19	19	2	2	5	-	1	2.7 to 3.6	0 to 70	2.78	2.22	1.58	1.47
◆ 692—	Z8F0411HH020EG	SSOP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.68	2.14	1.53	1.42
692—	Z8F0411PH020EG	PDIP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	3.00	2.40	1.72	1.60
692—	Z8F0411PH020SG	PDIP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	0 to 70	2.85	2.28	1.64	1.53
692—	Z8F0412PJ020EG	PDIP-28	4K	1K	19	19	2	2	-	-	1	2.7 to 3.6	-40 to 105	3.20	2.56	1.83	1.71
692—	Z8F0412PJ020SG	PDIP-28	4K	1K	19	19	2	2	-	-	1	2.7 to 3.6	0 to 70	3.05	2.44	1.74	1.63
◆ 692—	Z8F0412SJ020EG	SOIC-28	4K	1K	19	19	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.78	2.22	1.58	1.48
◆ 692—	Z8F0421HH020EG	SSOP-20	4K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	2.80	2.24	1.60	1.49
692—	Z8F0421PH020EG	PDIP-20	4K	1K	11	16	2	2	2	-	1	2.7 to 3.6	-40 to 105	3.15	2.52	1.79	1.67
692—	Z8F0421PH020SG	PDIP-20	4K	1K	11	16	2	2	2	-	1	2.7 to 3.6	0 to 70	3.00	2.40	1.71	1.59
◆ 692—	Z8F0422SJ020EG	SOIC-28	4K	1K	19	19	2	2	5	-	1	2.7 to 3.6	-40 to 105	2.90	2.32	1.66	1.55
◆ 692—	Z8F0811HH020SG	SSOP-20	8K	1K	11	16	2	2	-	-	1	2.7 to 3.6	0 to 70	3.15	2.52	1.80	1.68
◆ 692—	Z8F0821HH020SG	SSOP-20	8K	1K	11	16	2	2	2	-	1	2.7 to 3.6	0 to 70	3.30	2.64	1.89	1.76
◆ 692—	Z8F0812SJ020SG	SOIC-28	8K	1K	19	19	2	2	-	-	1	2.7 to 3.6	0 to 70	3.25	2.60	1.85	1.73
◆ 692—	Z8F0822SJ020SG	SOIC-28	8K	1K	19	19	2	2	5	-	1	2.7 to 3.6	0 to 70	3.40	2.72	1.94	1.81
◆ 692—	Z8F0811HH020EG	SSOP-20	8K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	3.30	2.64	1.89	1.76
692—	Z8F0811PH020EG	PDIP-20	8K	1K	11	16	2	2	-	-	1	2.7 to 3.6	-40 to 105	3.65	2.92	2.08	1.94
692—	Z8F0811PH020SG	PDIP-20	8K	1K	11	16	2	2	-	-	1	2.7 to 3.6	0 to 70	3.48	2.78	1.98	1.85
692—	Z8F0812PJ020EG	PDIP-28	8K	1K	19	19	2	2	-	-	1	2.7 to 3.6	-40 to 105	3.85	3.08	2.19	2.05
692—	Z8F0812PJ020EG	PDIP-28	8K	1K	19	19	2	2	-	-	1	2.7 to 3.6	0 to 70	3.85	3.08	2.19	2.05
◆ 692—	Z8F0812SJ020EG	SOIC-28	8K	1K	19	19	2	2	-	-	1	2.7 to 3.6	-40 to 105	3.40	2.72	1.94	1.81
◆ 692—	Z8F0821HH020EG	SSOP-20	8K	1K	11	16	2	2	2	-	1	2.7 to 3.6	-40 to 105	3.48	2.78	1.98	1.85
692—	Z8F0821PH020EG	PDIP-20	8K	1K	11	16	2	2	2	-	1	2.7 to 3.6	-40 to 105	3.80	3.04	2.17	2.03
692—	Z8F0821PH020SG	PDIP-20	8K	1K	11	16	2	2	2	-	1	2.7 to 3.6	0 to 70	3.63	2.90	2.07	1.93
692—	Z8F0822PJ020EG	PDIP-28	8K	1K	19	19	2	2	5	-	1	2.7 to 3.6	-40 to 105	4.00	3.20	2.29	2.14
692—	Z8F0822PJ020SG	PDIP-28	8K	1K	19	19	2	2	5	-	1	2.7 to 3.6	0 to 70	3.83	3.06	2.18	2.03
◆ 692—	Z8F0822SJ020EG	SOIC-28	8K	1K	19	19	2	2	5	-	1	2.7 to 3.6	-40 to 105	3.58	2.86	2.04	1.90
◆ 692—	Z8F1621AN020EG	LQFP-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	5.70	4.56	3.43	3.08
◆ 692—	Z8F1621AN020SG	LQFP-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	5.15	4.12	3.08	2.78
692—	Z8F1621PM020EG	PDIP-40	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40 to 105	5.90	4.72	3.54	3.19
692—	Z8F1621PM020SG	PDIP-40	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0 to 70	5.33	4.26	3.19	2.87

ZILOG Microcontrollers

RoHS Compliant This page of product is compliant.

ZILOG Z8 ENCORE!™ MICROCONTROLLERS (CONT.)

◆ Surface Mount Device

- Each Z8 Encore! Microcontroller contains the following: Watchdog Timers, SPI Port, 12C Port.
- Core Speed: 20 MHz

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part Number	Package	Flash (Bytes)	RAM (Bytes)	I/O Lines	Interrupts	16-Bit Timers	PWMs	10-Bit A/D Channels	DMA Controller	UARTs	Voltage (V)	Temperature	Price Each 1	Price Each 25	Price Each 100	Price Each 500
◆ 692—	Z8F1621VN020EG	PLCC-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	5.55	4.44	3.33	3.00
◆ 692—	Z8F1621VN020SG	PLCC-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	5.00	4.00	3.00	2.70
◆ 692—	Z8F1622AR020EG	LQFP-64	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	6.38	5.10	3.82	3.44
◆ 692—	Z8F1622AR020SG	LQFP-64	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	5.73	4.58	3.44	3.10
◆ 692—	Z8F1622VS020EG	PLCC-68	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	6.45	5.16	3.88	3.49
◆ 692—	Z8F1622VS020SG	PLCC-68	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	5.83	4.66	3.49	3.14
◆ 692—	Z8F2421AN020EG	LQFP-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	6.68	5.34	4.00	3.60
◆ 692—	Z8F2421AN020SG	LQFP-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	6.00	4.80	3.60	3.24
692—	Z8F2421PM020EG	PDIP-40	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	6.88	5.50	4.12	3.71
692—	Z8F2421PM020SG	PDIP-40	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	6.18	4.94	3.71	3.34
◆ 692—	Z8F2421VN020EG	PLCC-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	6.50	5.20	3.91	3.52
◆ 692—	Z8F2421VN020SG	PLCC-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	5.85	4.68	3.52	3.16
◆ 692—	Z8F2422AR020EG	LQFP-64	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	7.33	5.86	4.40	3.96
◆ 692—	Z8F2422AR020SG	LQFP-64	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	6.60	5.28	3.96	3.56
◆ 692—	Z8F2422VS020EG	PLCC-68	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	7.43	5.94	4.45	4.01
◆ 692—	Z8F2422VS020SG	PLCC-68	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	6.68	5.34	4.01	3.61
◆ 692—	Z8F3221AN020EG	LQFP-44	32K	2K	31	23	3	3	8	Yes	5	3.0 to 3.6	-40° to 105°	7.83	6.26	4.70	4.23
◆ 692—	Z8F3221AN020SG	LQFP-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	7.05	5.64	4.23	3.81
692—	Z8F3221PM020EG	PDIP-40	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	8.03	6.42	4.82	4.33
692—	Z8F3221PM020SG	PDIP-40	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	7.23	5.78	4.33	3.90
◆ 692—	Z8F3221VN020EG	PLCC-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	7.68	6.14	4.60	4.14
◆ 692—	Z8F3221VN020SG	PLCC-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	6.90	5.52	4.14	3.73
◆ 692—	Z8F3222AR020EG	LQFP-64	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	8.50	6.80	5.09	4.58
◆ 692—	Z8F3222AR020SG	LQFP-64	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	7.65	6.12	4.58	4.13
◆ 692—	Z8F3222VS020EG	PLCC-68	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	8.58	6.86	5.15	4.63
◆ 692—	Z8F3222VS020SG	PLCC-68	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	7.73	6.18	4.63	4.17
◆ 692—	Z8F4821AN020EG	LQFP-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	8.70	6.96	5.21	4.69
◆ 692—	Z8F4821AN020SG	LQFP-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	7.83	6.26	4.69	4.22
692—	Z8F4821PM020EG	PDIP-40	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	8.88	7.10	5.33	4.80
692—	Z8F4821PM020SG	PDIP-40	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	8.00	6.40	4.80	4.32
◆ 692—	Z8F4821VN020EG	PLCC-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	8.53	6.82	5.12	4.61
◆ 692—	Z8F4821VN020SG	PLCC-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	7.68	6.14	4.61	4.15
◆ 692—	Z8F4822AR020EG	LQFP-64	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	9.35	7.48	5.61	5.05
◆ 692—	Z8F4822AR020SG	LQFP-64	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	8.40	6.72	5.05	4.54
◆ 692—	Z8F4822VS020EG	PLCC-68	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	9.45	7.56	5.66	5.10
◆ 692—	Z8F4822VS020SG	PLCC-68	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	8.50	6.80	5.10	4.59
◆ 692—	Z8F4823FT020EG	QFP-80	48K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	9.60	7.68	5.76	5.18
◆ 692—	Z8F4823FT020SG	QFP-80	48K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	8.65	6.92	5.18	4.67
◆ 692—	Z8F6421AN020EG	LQFP-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	9.65	7.72	5.79	5.21
◆ 692—	Z8F6421AN020SG	LQFP-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	8.68	6.94	5.21	4.69
692—	Z8F6421PM020EG	PDIP-40	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	9.85	7.88	5.91	5.32
692—	Z8F6421PM020SG	PDIP-40	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	8.85	7.08	5.32	4.78
◆ 692—	Z8F6421VN020EG	PLCC-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	9.50	7.60	5.69	5.12
◆ 692—	Z8F6421VN020SG	PLCC-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	8.55	6.84	5.12	4.61
◆ 692—	Z8F6422AR020EG	LQFP-64	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	10.30	8.24	6.18	5.57
◆ 692—	Z8F6422AR020SG	LQFP-64	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	9.28	7.42	5.57	5.01
◆ 692—	Z8F6422VS020EG	PLCC-68	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	10.40	8.32	6.24	5.62
◆ 692—	Z8F6422VS020SG	PLCC-68	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	9.35	7.48	5.62	5.05
◆ 692—	Z8F6423FT020EG	QFP-80	64K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	10.55	8.44	6.33	5.70

ZILOG ZNEO™ Z16F SERIES 16-BIT FLASH MICROCONTROLLERS

This new line of 16-bit Flash Microcontrollers is based on a ground up, highly-effective core architecture that compliments ZILOG's Z8 Encore! 64K Series by providing more memory (128KB Flash) and a higher performance of 20 MIPS. ZNEO is packed with peripherals, balancing price and performance.

Z16F Series Features:

- External 16-bit bus with 16MB linear address space
- 8-,16-, and 32-bit ALU operations
- Single cycle execution
- Fast 600KHz 12-channel SAR ADC
- 5.53MHZ IPO
- Analog Comparator
- Op Amp
- 6 channel synchronized PWM timers
- Internal/external DMA
- Enhanced SPI
- 12C master/slave
- 2 LIN-UARTS

The wide variety of peripherals gives the new Z16F Series the value-added punch necessary for today's budget conscious designs.

Development Kit and Accessory Kit

RoHS Compliant

MOUSER STOCK NO.	Zilog Part No.	Description	Price Each
692-Z16F2800100ZCOG	Z16F2800100ZCOG	ZNEO Z16F Series Development Kit	99.95
692-ZUSBC00100ZACG	ZUSBSC00100ZACG	USB Smart Cable Accessory Kit	29.95

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Zilog Part No.	Package Type	Flash (Kbytes)	RAM (Kbytes)	External Interface	I/O	Multi-Channel Timers with PWM	Standard Timers with PWM	ADC Inputs	I2C Master-Slave	UART with LIN & IrDA	ESPI	Temp	Price Each 1	Price Each 25	Price Each 100	Price Each 500
692-Z16F3211AL20SG	Z16F3211AL20SG	LQFP-100	32	2	Yes	76	1	3	12	1	2	1	0 to +70°	7.73	6.80	6.49	5.84
692-Z16F3211FI20SG	Z16F3211FI20SG	QFP-80	32	2	Yes	60	1	3	12	1	2	1	0 to +70°	7.58	6.67	6.38	5.74
692-Z16F6411AL20SG	Z16F6411AL20SG	LQFP-100	64	4	Yes	76	1	3	12	1	2	1	0 to +70°	8.33	7.33	7.01	6.31
692-Z16F6411FI20SG	Z16F6411FI20SG	QFP-80	64	4	Yes	60	1	3	12	1	2	1	0 to +70°	8.20	7.22	6.89	6.20
692-Z16F2811AL20SG	Z16F2811AL20SG	LQFP-100	128	4	Yes	76	1	3	12	1	2	1	0 to +70°	9.00	7.92	7.57	6.81
692-Z16F2811FI20SG	Z16F2811FI20SG	QFP-80	128	4	Yes	60	1	3	12	1	2	1	0 to +70°	8.85	7.79	7.44	6.69
692-Z16F2810AG20SG	Z16F2810AG20SG	LQFP-100	128	4	No	46	1	3	12	1	2	1	0 to +70°	8.25	7.26	6.95	6.25
692-Z16F2810VH20SG	Z16F2810VH20SG	QFP-80	128	4	No	46	1	3	12	1	2	1	0 to +70°	8.28	7.28	6.97	6.27

ZILOG Z8 GP Microcontrollers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZILOG Z8 GP SERIES MICROCONTROLLERS

The ZGP323H/L is OTP- and ROM-based members of ZiLOG's new Z8 GP™ MCU family of **general-purpose** microcontrollers. Offering 237 bytes of **general-purpose** RAM and up to 32KB of OTP memory, ZiLOG's Z8 GP MCU family provides support for standard, extended, and automotive temperature ranges. The low-voltage series supports voltage ranges from 2.0V to 3.6V, making it perfect for low-power applications. The high-voltage series supports voltage ranges from 2.0V to 5.5V. Both series offer fast-executing memory use, high GPIO, sophisticated interrupts, input/output bit manipulation, automated pulse generation/reception, and internal key-scan pull-up resistors.

RoHS Compliant

◆ **Surface Mount Device**

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Zilog Part No.	Package	Memory Size (KB)	RAM (bytes)	I/O	Other Features	WDT	Operating Voltage (V)	Speed (MHz)	Price Each			
										1	25	100	500
◆ 692-ZGP323HSH2804G	ZGP323HSH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.93	2.34	1.76	1.68
692-ZGP323HSP2804G	ZGP323HSP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.38	2.70	2.00	1.90
◆ 692-ZGP323HSS2804G	ZGP323HSS2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.93	2.34	1.76	1.68
◆ 692-ZGP323HSH2004G	ZGP323HSH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.88	2.30	1.71	1.64
692-ZGP323HSP2004G	ZGP323HSP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.33	2.66	1.96	1.88
◆ 692-ZGP323HSS2004G	ZGP323HSS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.85	2.28	1.71	1.64
◆ 692-ZGP323HEH2804G	ZGP323HEH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.05	2.44	1.80	1.73
692-ZGP323HEP2804G	ZGP323HEP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.48	2.78	2.04	1.95
◆ 692-ZGP323HES2804G	ZGP323HES2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.05	2.44	1.80	1.73
◆ 692-ZGP323HEH2004G	ZGP323HEH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.98	2.38	1.75	1.68
692-ZGP323HEP2004G	ZGP323HEP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.43	2.74	2.01	1.92
◆ 692-ZGP323HES2004G	ZGP323HES2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	2.95	2.36	1.75	1.68
◆ 692-ZGP323HAH2804G	ZGP323HAH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.15	2.52	1.84	1.77
692-ZGP323HAP2804G	ZGP323HAP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.60	2.88	2.08	1.99
◆ 692-ZGP323HAS2804G	ZGP323HAS2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.15	2.52	1.84	1.77
◆ 692-ZGP323HAH2004G	ZGP323HAH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.08	2.46	1.79	1.73
692-ZGP323HAP2004G	ZGP323HAP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.53	2.82	2.05	1.96
◆ 692-ZGP323HAS2004G	ZGP323HAS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.05	2.44	1.79	1.73
◆ 692-ZGP323LSH2804G	ZGP323LSH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.68	2.14	1.66	1.58
692-ZGP323LSP2804G	ZGP323LSP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.13	2.50	1.90	1.80
◆ 692-ZGP323LSS2804G	ZGP323LSS2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.68	2.14	1.66	1.58
◆ 692-ZGP323LSH2004G	ZGP323LSH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.63	2.10	1.61	1.54
692-ZGP323LSP2004G	ZGP323LSP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.05	2.44	1.86	1.78
◆ 692-ZGP323LSS2004G	ZGP323LSS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.60	2.08	1.61	1.54
◆ 692-ZGP323LEH2804G	ZGP323LEH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.78	2.22	1.70	1.62
692-ZGP323LEP2804G	ZGP323LEP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.23	2.58	1.94	1.84
◆ 692-ZGP323LES2804G	ZGP323LES2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.78	2.22	1.70	1.62
◆ 692-ZGP323LEH2004G	ZGP323LEH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.73	2.18	1.65	1.58
692-ZGP323LEP2004G	ZGP323LEP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.18	2.54	1.90	1.82
◆ 692-ZGP323LES2004G	ZGP323LES2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.70	2.16	1.65	1.58
◆ 692-ZGP323LAH2804G	ZGP323LAH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.90	2.32	1.74	1.67
692-ZGP323LAP2804G	ZGP323LAP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.33	2.66	1.98	1.89
◆ 692-ZGP323LAS2804G	ZGP323LAS2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.90	2.32	1.74	1.67
◆ 692-ZGP323LAH2004G	ZGP323LAH2004C	SSOP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.83	2.26	1.69	1.62
692-ZGP323LAP2004G	ZGP323LAP2004C	PDIP-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.28	2.62	1.95	1.86
◆ 692-ZGP323LAS2004G	ZGP323LAS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.80	2.24	1.69	1.62
◆ 692-ZGP323LSH2832G	ZGP323LSH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.00	2.40	1.79	1.71
692-ZGP323LSP2832G	ZGP323LSP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.45	2.76	2.02	1.94
◆ 692-ZGP323LSS2832G	ZGP323LSS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.00	2.40	1.79	1.71
◆ 692-ZGP323LSH2032G	ZGP323LSH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.90	2.32	1.73	1.67
692-ZGP323LSP2032G	ZGP323LSP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.38	2.70	1.99	1.90
◆ 692-ZGP323LSS2032G	ZGP323LSS2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	2.90	2.32	1.73	1.67
◆ 692-ZGP323LEH2832G	ZGP323LEH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.10	2.48	1.83	1.75
692-ZGP323LEP2832G	ZGP323LEP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.55	2.84	2.07	1.98
◆ 692-ZGP323LES2832G	ZGP323LES2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.10	2.48	1.83	1.75
◆ 692-ZGP323LEH2032G	ZGP323LEH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.03	2.42	1.78	1.71
692-ZGP323LEP2032G	ZGP323LEP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.48	2.78	2.03	1.95
◆ 692-ZGP323LES2032G	ZGP323LES2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.03	2.42	1.78	1.71
◆ 692-ZGP323LAH2832G	ZGP323LAH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.20	2.56	1.87	1.79
692-ZGP323LAP2832G	ZGP323LAP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.65	2.92	2.11	2.02
◆ 692-ZGP323LAS2832G	ZGP323LAS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.20	2.56	1.87	1.79
◆ 692-ZGP323LAH2032G	ZGP323LAH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.13	2.50	1.82	1.75
692-ZGP323LAP2032G	ZGP323LAP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.60	2.88	2.07	1.99
◆ 692-ZGP323LAS2032G	ZGP323LAS2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 3.6	8	3.13	2.50	1.82	1.75
◆ 692-ZGP323HSH2832G	ZGP323HSH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.25	2.60	1.89	1.81
692-ZGP323HSP2832G	ZGP323HSP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.70	2.96	2.13	2.04
◆ 692-ZGP323HSS2832G	ZGP323HSS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.25	2.60	1.89	1.81
◆ 692-ZGP323HSH2032G	ZGP323HSH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.18	2.54	1.84	1.77
692-ZGP323HSP2032G	ZGP323HSP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.63	2.90	2.09	2.01
◆ 692-ZGP323HSS2032G	ZGP323HSS2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.18	2.54	1.84	1.77
◆ 692-ZGP323HEH2832G	ZGP323HEH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.35	2.68	1.93	1.85
692-ZGP323HEP2832G	ZGP323HEP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.80	3.04	2.17	2.08
◆ 692-ZGP323HES2832G	ZGP323HES2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.35	2.68	1.93	1.85
◆ 692-ZGP323HEH2032G	ZGP323HEH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.28	2.62	1.88	1.81
692-ZGP323HEP2032G	ZGP323HEP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.75	3.00	2.13	2.05
◆ 692-ZGP323HES2032G	ZGP323HES2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.28	2.62	1.88	1.81
◆ 692-ZGP323HAH2832G	ZGP323HAH2832C	SSOP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.48	2.78	1.97	1.90
692-ZGP323HAP2832G	ZGP323HAP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.90	3.12	2.21	2.13
◆ 692-ZGP323HAS2832G	ZGP323HAS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.48	2.78	1.97	1.90
◆ 692-ZGP323HAH2032G	ZGP323HAH2032C	SSOP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.38	2.70	1.92	1.85
692-ZGP323HAP2032G	ZGP323HAP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.85	3.08	2.18	2.09
◆ 692-ZGP323HAS2032G	ZGP323HAS2032C	SOIC-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.38	2.70	1.92	1.85

ZILOG DEVELOPMENT TOOLS

MOUSER STOCK NO.	Zilog Part No.	Description	Price Each
692-ZGP32300100ZPR	ZGP32300100ZPR	Z8 GP ZGP323 Programming System (Includes an OTP program module, program I/F, 2 package adapters, the ZDS II, a 28-pin CDIP device, and sample code)	99.00

ZILOG Encore!™ XP Microcontrollers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZILOG Z8 ENCORE!™ XP FLASH MCU DEVELOPMENT KIT

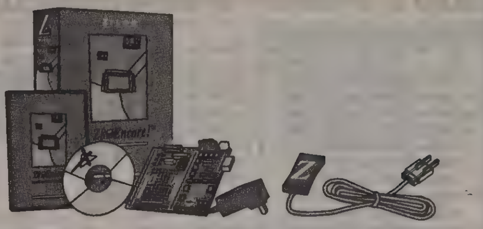
The Z8 Encore! XP Microcontroller (MCU) Development Kit is a general-purpose platform that allows design engineers to evaluate the capabilities and operation of the Z8 Encore! XP family of microcontrollers and provides tools to shorten the development cycle. Included with the Development Kit is a free full-version ANSI C-Compiler and a Target Interface Module board that interfaces with the on-chip debugger converting a one-wire interface to a two-wire RS-232-like interface. All necessary hardware, software tools, and technical documentation are included, to provide a complete solution at minimal cost.

Features:

Hardware:
- Development Board, Z8 Encore! XP (Z8F04A28100KIT)
- Smart Cable - DB9 to six-pin male
- RS-232 DB9 Serial Cable
- 9VDC Universal Power Supply

Software:
- ZDS II - Z8 Encore! IDE with ANSI C-Compiler
- Sample code
- Device Driver software

CD-ROM contains:
- ZDS II Quick Start Guide
- Development Kit User Manual
- ZDS II - IDE User Manual
- EZ8 CPU User Manual
- Product Specifications
- Product Briefs
- Application Notes



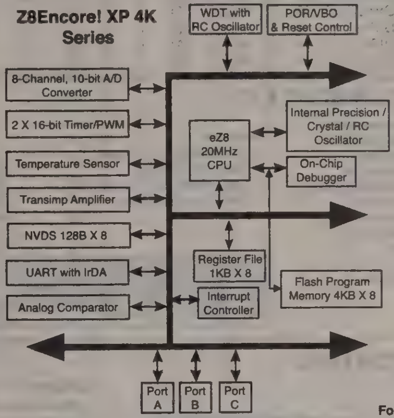
MOUSER STOCK NO.	Description	Price Each
692-Z8F04A28100KIT	4K Series (28-Pin) w/Full ANSIC Compiler	39.95
692-Z8F04A08100KIT	4K Series (8-Pin) w/Full USB Smart Cable	49.99

ZILOG Z8 ENCORE!™ XP MICROCONTROLLERS

Specifications:
- Each Z8 Encore! Microcontroller contains the following: Watchdog Timers, Analog Comparator, Temp. Sensor, Current Sense Amplifier, and Internal Precision Oscillator
- Core Speed: 20MHz

Features:	Benefits
20MHz CPU Operation	Faster execution of CPU instructions at up to 10 MIPS
Single pin in-circuit programming	Fast, easy programming
1K - 4K Flash memory sizes	Allows efficiency in program memory
Up to 8 channel 10-bit ADC	Precision analog measurement
Up to 128B non-volatile data storage	Location for frequent or repetitive logging
Up to 1K RAM	Plenty of space for programs, stacks, and data
Internal Precision Oscillator	Eliminates need for crystal or resonator
On-chip Temperature Sensor	Thermostat applications with no external components
Analog Comparator	On-chip saving space
Transimpedence Amplifier	On-chip OPAMP
WDT with "fail-safe"	Back up oscillator for power fail

Z8Encore! XP 4K Series



◆ Surface Mount Device

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Flash Bytes	RAM Bytes	NVDS Bytes	I/O Lines	Interrupts	16-bit Timers with PWM's	10-bit A/D Channels	UARTs	Voltage (V)	Temperature Range	Price Each			
Mfr.	Mfr. Part Number												1	25	100	500
◆ 692—	Z8F012ASJ020SG	SOIC-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.03	2.66	2.55	2.29
◆ 692—	Z8F012ASJ020EG	SOIC-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.38	2.97	2.83	2.55
◆ 692—	Z8F011ASJ020SG	SOIC-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.90	2.55	2.43	2.19
◆ 692—	Z8F011ASJ020EG	SOIC-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.20	2.82	2.70	2.43
◆ 692—	Z8F012AHJ020SG	SSOP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.05	2.68	2.56	2.31
◆ 692—	Z8F012AHJ020EG	SSOP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.40	2.99	2.85	2.56
◆ 692—	Z8F011AHJ020SG	SSOP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	2.90	2.55	2.45	2.20
◆ 692—	Z8F011AHJ020EG	SSOP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.23	2.84	2.72	2.45
692—	Z8F012APJ020SG	PDIP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.40	2.99	2.87	2.58
692—	Z8F012APJ020EG	PDIP-28	1K	256	16	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.80	3.34	3.19	2.87
692—	Z8F011APJ020SG	PDIP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	0 to 70	3.28	2.88	2.75	2.47
692—	Z8F011APJ020EG	PDIP-28	1K	256	16	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.63	3.19	3.06	2.75
◆ 692—	Z8F012ASH020SG	SOIC-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.95	2.60	2.49	2.24
◆ 692—	Z8F012ASH020EG	SOIC-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.30	2.90	2.77	2.49
◆ 692—	Z8F011ASH020SG	SOIC-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.83	2.49	2.37	2.13
◆ 692—	Z8F011ASH020EG	SOIC-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.13	2.75	2.63	2.37
◆ 692—	Z8F012AHH020SG	SSOP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	2.98	2.62	2.50	2.25
◆ 692—	Z8F012AHH020EG	SSOP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.30	2.90	2.77	2.50
◆ 692—	Z8F011AHH020SG	SSOP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.83	2.49	2.38	2.14
◆ 692—	Z8F011AHH020EG	SSOP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.15	2.77	2.64	2.38
692—	Z8F012APH020SG	PDIP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	0 to 70	3.08	2.71	2.59	2.33
692—	Z8F012APH020EG	PDIP-20	1K	256	16	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.43	3.01	2.87	2.59
692—	Z8F011APH020SG	PDIP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.93	2.57	2.47	2.22
692—	Z8F011APH020EG	PDIP-20	1K	256	16	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.25	2.86	2.74	2.47
◆ 692—	Z8F012ASB020SG	SOIC-8	1K	256	16	6	12	2	4	1	2.7 to 3.6V	0 to 70	2.30	2.02	1.94	1.74
◆ 692—	Z8F022ASJ020SG	SOIC-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.20	2.82	2.68	2.41
◆ 692—	Z8F022ASJ020EG	SOIC-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.55	3.12	2.98	2.68
◆ 692—	Z8F021ASJ020SG	SOIC-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	3.05	2.68	2.56	2.30
◆ 692—	Z8F021ASJ020EG	SOIC-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.38	2.97	2.84	2.56
◆ 692—	Z8F022AHJ020SG	SSOP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.20	2.82	2.70	2.43
◆ 692—	Z8F022AHJ020EG	SSOP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.58	3.15	3.00	2.70
◆ 692—	Z8F021AHJ020SG	SSOP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	3.05	2.68	2.57	2.32
◆ 692—	Z8F021AHJ020EG	SSOP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.40	2.99	2.86	2.57
692—	Z8F022APJ020SG	PDIP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.60	3.17	3.02	2.72
692—	Z8F022APJ020EG	PDIP-28	2K	512	64	23	18	2	8	1	2.7 to 3.6V	-40 to 105	4.00	3.52	3.35	3.02
692—	Z8F021APJ020SG	PDIP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	0 to 70	3.45	3.04	2.89	2.61
692—	Z8F021APJ020EG	PDIP-28	2K	512	64	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.83	3.37	3.22	2.89
◆ 692—	Z8F022ASH020SG	SOIC-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	3.13	2.75	2.62	2.36
◆ 692—	Z8F022ASH020EG	SOIC-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.48	3.06	2.91	2.62
◆ 692—	Z8F021ASH020SG	SOIC-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.98	2.62	2.50	2.25
◆ 692—	Z8F021ASH020EG	SOIC-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.30	2.90	2.77	2.50
◆ 692—	Z8F022AHH020SG	SSOP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	3.13	2.75	2.63	2.37
◆ 692—	Z8F022AHH020EG	SSOP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.48	3.06	2.92	2.63
◆ 692—	Z8F021AHH020SG	SSOP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	2.98	2.62	2.50	2.25
◆ 692—	Z8F021AHH020EG	SSOP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.30	2.90	2.78	2.50
692—	Z8F022APH020SG	PDIP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	0 to 70	3.25	2.86	2.72	2.45
692—	Z8F022APH020EG	PDIP-20	2K	512	64	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.60	3.17	3.03	2.72
692—	Z8F021APH020SG	PDIP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	0 to 70	3.10	2.73	2.60	2.34
692—	Z8F021APH020EG	PDIP-20	2K	512	64	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.43	3.01	2.89	2.60
◆ 692—	Z8F022ASB020SG	SOIC-8	2K	512	64	6	12	2	4	1	2.7 to 3.6V	0 to 70	2.43	2.13	2.04	1.83
◆ 692—	Z8F042ASJ020SG	SOIC-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.35	2.95	2.82	2.54
◆ 692—	Z8F042ASJ020EG	SOIC-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.73	3.28	3.14	2.82
◆ 692—	Z8F041ASJ020SG	SOIC-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	0 to 70	3.20	2.82	2.69	2.42
◆ 692—	Z8F042ASB020SG	SOIC-8	4K	1K	128	6	12	2	4	1	2.7 to 3.6V	0 to 70	2.55	2.24	2.15	1.93

ZILOG Microcontrollers and Microprocessors

Products may be RoHS compliant. Check mouser.com for RoHS status.

ZILOG Z8 ENCORE!™ XP MICROCONTROLLERS (CONT.)

◆ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Flash Bytes	RAM Bytes	NVDS Bytes	I/O Lines	Interrupts	16-bit Timers with PWM's	10-bit A/D Channels	UARTs	Voltage (V)	Temperature Range	Price Each			
Mfr.	Mfr. Part Number												1	25	100	500
◆ 692—	Z8F041ASJ020EG	SOIC-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.55	3.12	2.99	2.69
◆ 692—	Z8F042AHJ020SG	SSOP-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.38	2.97	2.84	2.56
◆ 692—	Z8F042AHJ020EG	SSOP-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	-40 to 105	3.75	3.30	3.16	2.84
◆ 692—	Z8F041AHJ020SG	SSOP-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	0 to 70	3.23	2.84	2.71	2.44
◆ 692—	Z8F041AHJ020EG	SSOP-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	-40 to 105	3.58	3.15	3.01	2.71
692—	Z8F042APJ020SG	PDIP-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	0 to 70	3.78	3.32	3.18	2.86
692—	Z8F042APJ020EG	PDIP-28	4K	1K	128	23	18	2	8	1	2.7 to 3.6V	-40 to 105	4.20	3.70	3.53	3.18
692—	Z8F041APJ020SG	PDIP-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	0 to 70	3.63	3.19	3.05	2.74
692—	Z8F041APJ020EG	PDIP-28	4K	1K	128	25	18	2	-	1	2.7 to 3.6V	-40 to 105	4.03	3.54	3.39	3.05
◆ 692—	Z8F042ASH020SG	SOIC-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	0 to 70	3.28	2.88	2.76	2.48
◆ 692—	Z8F042ASH020EG	SOIC-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.65	3.21	3.07	2.76
◆ 692—	Z8F041ASH020SG	SOIC-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	0 to 70	3.13	2.75	2.63	2.36
◆ 692—	Z8F041ASH020EG	SOIC-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.48	3.06	2.92	2.63
◆ 692—	Z8F042AHH020SG	SSOP-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	0 to 70	3.30	2.90	2.77	2.49
◆ 692—	Z8F042AHH020EG	SSOP-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.65	3.21	3.07	2.77
◆ 692—	Z8F041AHH020SG	SSOP-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	0 to 70	3.13	2.75	2.64	2.37
◆ 692—	Z8F041AHH020EG	SSOP-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.48	3.06	2.93	2.64
692—	Z8F042APH020SG	PDIP-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	0 to 70	3.40	2.99	2.87	2.58
692—	Z8F042APH020EG	PDIP-20	4K	1K	128	17	18	2	7	1	2.7 to 3.6V	-40 to 105	3.80	3.34	3.19	2.87
692—	Z8F041APH020SG	PDIP-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	0 to 70	3.25	2.86	2.74	2.46
692—	Z8F041APH020EG	PDIP-20	4K	1K	128	17	18	2	-	1	2.7 to 3.6V	-40 to 105	3.63	3.19	3.04	2.74

ZILOG EZ80L92 DEVELOPMENT KIT

The EZ80L92 Development Kit provides the developer with a complete set of tools for either the evaluation of the EZ80L92 device or the development of a new application. The kit features two primary boards: the EZ80™ Development Platform and the EZ80L92 Ethernet Module. In addition, all of the necessary hardware, software, and technical documentation are included. This development kit provides designers comprehensive support to begin designing immediately. The eZ80Acclaim! eZ80F92/F93
are pin-compatible versions of the eZ80L92 with ntegrated Flash memory.

Features:

- EZ80 Development Platform
- EZ80 E-NET Module
- EZ80 Development Kit User Manual
- EZ80 Quick Start Guide
- ZPAK II Debug Interface Module
- ZDS II with C-Compiler Software and Documentation (CD-ROM)
- Ethernet Hub
- EZ80 Software and Documentation (CD-ROM)
- International Power Supply (110/220V) Cables

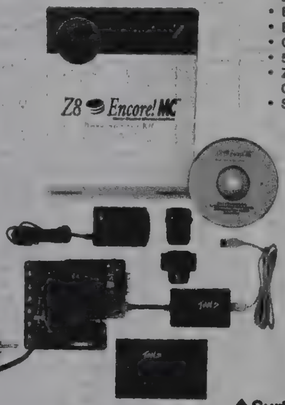
MOUSER STOCK NO.	Zilog Part No.	Price Each
692-EZ80L920210ZCO	EZ80L920210ZCO	399.95

Block Diagram

eZ80L92 MPU			
24-bit GPIO	Infrared Encoder/ Decoder	2 UART	
I^{2}C	SPI	6 PRT	WDT
Real-Time Clock	4 CS + WSG	JTAG	ZDI

ZILOG ZR06 MOTOR CONTROL

The Z8FMC16100 Series Motor Control Development Kit is our affordable yet comprehensive development tool for the Z8 Encore! MC™ Z8FMC16100 Series motor control microcontrollers. It includes a development board with the Z8FMC16 device which plugs into a brushless DC (BLDC) application board with a BLDC motor. Included is also an opto-isolated USB smart cable for safe programming and debugging and our ZDS II integrated development environment (IDE) with a full ANSI C compiler.



Features:

- Z8FMC16100 series MDS development board
- Brushless DC (BLDC) motor
- BLDC motor control application board
- Opto-isolated USB smart cable
- 5V DC universal power supply
- ZiLOG Developer Studio II IDE with a full ANSI C compiler
- Sample code

RoHS Compliant

Block Diagram

12-bit PWM Module for Motor Control	16-bit Timer Capture Capture/Compare/PWM	Operational Amplifier
SPI, I^{2}C and UART with LIN	20MHz eZB™ CPU	8 Channel 10-bit ADC
512B RAM	Up to 16kb Flash	POR/VBO and Reset Control
Watch-dog Timer	Debugger	Internal Precision Oscillator
Comparator	Interrupt Controller	
Up to 17 General-Purpose I/O Pins		

MOUSER STOCK NO.	Zilog Part No.	Description	Price Each
692-Z8FMC160100KIT	Z8FMC160100KIT	Z8FMC16100 Series Development Kit	199.95
692-Z8FMC161000ZEM	Z8FMC161000ZEM	Z8FMC16100 Series Emulator Kit	1999.00
692-ZUSBOPTSC01ZAC	ZUSBOPTSC01ZAC	USB Opto-Isolated Smart Cable Accessory Kit	75.00
692-ZVECTOR0100ZCO	ZVECTOR0100ZCO	Vector Control Kit With Motor	800.00
692-ZVECTOR0100ZCOG	ZVECTOR0100ZCOG	Vector Control Kit Without Motor	600.00

◆ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Zilog Part No.	Package	Flash KB Bytes	SRAM Bytes	GPIO	Max. Speed MHz	I^{2}C/SPI	Trimmed IPO	Temp (°C)	Price Each			
										1	25	100	500
◆ 692-Z8FMC16100QKSG	Z8FMC16100QKSG	QFN-32	16 (16,384)	512	17	20	I^{2}C/SPI	Y	0 to +70	6.25	5.00	3.96	3.45
◆ 692-Z8FMC16100QKEG	Z8FMC16100QKEG	QFN-32	16	512	17	20	I^{2}C/SPI	Y	-40 to +105	6.88	5.50	4.36	3.79
◆ 692-Z8FMC16100AKSG	Z8FMC16100AKSG	LQFP-32	16 (16,384)	512	17	20	I^{2}C/SPI	Y	0 to +70	6.25	5.00	3.96	3.45
◆ 692-Z8FMC16100AKEG	Z8FMC16100AKEG	LQFP-32	16	512	17	20	I^{2}C/SPI	Y	-40 to +105	6.88	5.50	4.36	3.79
◆ 692-Z8FMC08100QKSG	Z8FMC08100QKSG	QFN-32	8	512	17	20	I^{2}C/SPI	Y	0 to +70	5.95	4.76	3.78	3.29
◆ 692-Z8FMC08100QKEG	Z8FMC08100QKEG	QFN-32	8	512	17	20	I^{2}C/SPI	Y	-40 to +105	6.53	5.22	4.14	3.60
◆ 692-Z8FMC08100AKSG	Z8FMC08100AKSG	LQFP-32	8	512	17	20	I^{2}C/SPI	Y	0 to +70	5.95	4.76	3.78	3.29
◆ 692-Z8FMC08100AKEG	Z8FMC08100AKEG	LQFP-32	8	512	17	20	I^{2}C/SPI	Y	-40 to +105	6.53	5.22	4.14	3.60
◆ 692-Z8FMC04100QKSG	Z8FMC04100QKSG	QFN-32	4	512	17	20	I^{2}C/SPI	Y	0 to +70	5.65	4.52	3.59	3.12
◆ 692-Z8FMC04100QKEG	Z8FMC04100QKEG	QFN-32	4	512	17	20	I^{2}C/SPI	Y	-40 to +105	6.20	4.96	3.94	3.43
◆ 692-Z8FMC04100AKSG	Z8FMC04100AKSG	LQFP-32	4	512	17	20	I^{2}C/SPI	Y	0 to +70	5.65	4.52	3.59	3.12
◆ 692-Z8FMC04100AKEG	Z8FMC04100AKEG	LQFP-32	4	512	17	20	I^{2}C/SPI	Y	-40 to +105	6.20	4.96	3.94	3.43

ZILOG EZ80 MICROPROCESSORS

◆ Surface Mount Device

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Zilog Part No.	Package	Communications Controller	Core CPU Used	I/O	WDT	Timers	Voltage (V)	Speed (MHz)	Price Each			
										1	25	100	500
◆ 692-EZ80L92AZ020EG	EZ80L92AZ020EC	LQFP-100	DMA, I^{2}C, SPI, UART	EZ80	24	Yes	6	3.3	20	13.83	11.06	7.37	7.09
◆ 692-EZ80L92AZ020SG	EZ80L92AZ020SC	LQFP-100	DMA, I^{2}C, SPI, UART	EZ80	24	Yes	6	3.3	20	12.03	9.62	6.41	6.17
692-EZ80L925048MOD	EZ80L925048MOD	Module	DMA, I^{2}C, SPI, UART	EZ80	24	Yes	6	3.3	48	114.75	91.80	51.00	48.83
◆ 692-EZ80L92AZ050EG	EZ80L92AZ050EC	LQFP-100	DMA, I^{2}C, SPI, UART	EZ80	24	Yes	6	3.3	50	15.20	12.16	8.11	7.79
◆ 692-EZ80L92AZ050SG	EZ80L92AZ050SC	LQFP-100	DMA, I^{2}C, SPI, UART	EZ80	24	Yes	6	3.3	50	13.23	10.58	7.05	6.78
◆ 692-EZ80190AZ050SG	EZ80190AZ050SC	LQFP-100	DMA, I^{2}C, SPI, UART	EZ80	32	Yes	6	3.3V	50	17.90	14.32	9.55	9.18
◆ 692-EZ80190AZ050EG	EZ80190AZ050EC	LQFP-100	DMA, I^{2}C, SPI, UART	EZ80	32	Yes	6	3.3V	50	20.58	16.46	10.97	10.55

ZILOG Microprocessors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZILOG DEVELOPMENT TOOLS

Key	MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Price Each
A	692	Z8S18000ZCO	Z8S180 + ESCC Application Kit	200.00

Key	MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Price Each
C	692	Z8S18000ZEM	Z8S180 Emulation Kit	180.00

ZILOG Z180 MICROPROCESSORS

RoHS Compliant

◆ Surface Mount Device

∗ See above for development tools.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Speed (MHz)	Communications Controller	Core CPU Used	I/O	WDT	Timers	Voltage (V)	Development Tools Available	Price Each 1	25	100	500
◆ 692	Z8018006VSG	PLCC-68	6	CPU	Z180	-	No	2	5	B	8.60	7.57	5.28	4.91
◆ 692	Z8018006VEG	PLCC-68	6	CPU	Z180	-	No	2	5	B	10.23	9.00	6.29	5.84
◆ 692	Z8018006FSG	QFP-80	6	CPU	Z180	-	No	2	5	B	9.08	7.99	5.58	5.18
692	Z8018006PSG	DIP-64	6	CPU	Z180	-	No	2	5	B	8.60	7.57	5.28	4.91
692	Z8018006PEG	DIP-64	6	CPU	Z180	-	No	2	5	B	10.23	9.00	6.29	5.84
692	Z8018008PSG	DIP-64	8	CPU	Z180	-	No	2	5	B	8.95	7.88	5.50	5.11
◆ 692	Z8018008VSG	PLCC-68	8	CPU	Z180	-	No	2	5	B	8.95	7.88	5.50	5.11
◆ 692	Z8018010VSG	PLCC-68	10	CPU	Z180	-	No	2	5	B	10.98	9.66	6.53	6.07
◆ 692	Z8018010FSG	QFP-80	10	CPU	Z180	-	No	2	5	B	10.98	9.66	6.67	6.20
692	Z8018010PSG	DIP-64	10	CPU	Z180	-	No	2	5	B	10.98	9.66	6.53	6.07
◆ 692	Z8S18010VSG	PLCC-68	10	CSIO, UART	Z180	Clock Serial	No	2	5	B, C	8.60	7.57	5.28	4.91
◆ 692	Z8L18020FSG	QFP-80	20	CSIO, UART	Z180	Clock Serial	No	2	3.3	B	13.28	11.68	8.18	7.59
◆ 692	Z8S18020VEG	PLCC-68	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	14.45	12.72	8.90	8.27
◆ 692	Z8S18020VSG1960	PLCC-68	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	11.93	10.49	7.35	6.82
692	Z8S18020PSG1960	DIP-64	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	11.93	10.49	7.35	6.82
692	Z8S18020PSG	DIP-64	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	11.93	10.49	7.35	6.82
◆ 692	Z8S18020VSG	PLCC-68	20	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	11.93	10.49	7.35	6.82
◆ 692	Z8S18033VSG	PLCC-68	33	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	13.18	11.59	8.11	7.53
◆ 692	Z8S18033VEG	PLCC-68	33	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	15.85	13.95	9.76	9.07
◆ 692	Z8S18033FSG	QFP-80	33	CSIO, UART	Z180	Clock Serial	No	2	5	A,C	13.18	11.59	8.11	7.53

ZILOG Z80 MICROPROCESSORS

RoHS Compliant

◆ Surface Mount Device

∗ See above for development tools.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Communications Controller	Core CPU Used	I/O	WDT	Timers	Voltage (V)	Speed (MHz)	Development Tools Available	Price Each 1	25	100	500
◆ 692	Z84C0006PEG	DIP-40	CPU	Z80	-	Yes	No	5	6	-	4.78	4.20	2.86	2.66
◆ 692	Z84C0006VEG	PLCC-44	CPU	Z80	-	Yes	No	5	6	-	4.78	4.20	2.86	2.66
692	Z84C1506FEG	QFP-100	CPU, CTC, IPC, PIO, SIO	Z80	16 PIO	Yes	4	5	6	-	13.75	12.10	8.46	7.85
692	Z84C2006PEG	DIP-40	PIO	Z80	16	Yes	No	5	6	-	4.78	4.20	2.86	2.66
◆ 692	Z84C2006VEG	PLCC-44	PIO	Z80	16	Yes	No	5	6	-	4.78	4.20	2.86	2.66
◆ 692	Z84C3006VEG	PLCC-44	CTC	Z80	-	Yes	4	5	6	-	4.78	4.20	2.86	2.66
692	Z84C3006PEG	DIP-28	CTC	Z80	-	Yes	4	5	6	-	4.78	4.20	2.86	2.66
692	Z84C4006PEG	DIP-40	SIO	Z80	-	Yes	No	5	6	-	10.15	8.93	6.24	5.79
692	Z84C0008PEG	DIP-40	CPU	Z80	-	Yes	No	5	8	-	4.78	4.20	2.86	2.66
◆ 692	Z84C0008VEG	PLCC-44	CPU	Z80	-	Yes	No	5	8	-	4.78	4.20	2.86	2.66
692	Z84C1008PEG	DIP-40	DMA	Z80	16	Yes	No	5	8	-	10.50	9.24	6.46	6.00
◆ 692	Z84C1008VEG	PLCC-44	DMA	Z80	16	Yes	No	5	8	-	10.50	9.24	6.46	6.00
692	Z84C2008PEG	DIP-40	PIO	Z80	16	Yes	No	5	8	-	4.78	4.20	2.86	2.66
◆ 692	Z84C3008PEG	DIP-28	CTC	Z80	-	Yes	4	5	8	-	4.78	4.20	2.86	2.66
692	Z84C4008PEG	DIP-40	SIO	Z80	-	Yes	No	5	8	-	10.15	8.93	6.24	5.79
692	Z84C4208PEG	DIP-40	SIO	Z80	-	Yes	No	5	8	-	10.15	8.93	6.24	5.79
◆ 692	Z84C4406VEG	PLCC-44	SIO	Z80	-	Yes	No	5	8	-	10.15	8.93	6.24	5.79
◆ 692	Z84C4410VEG	PLCC-44	SIO	Z80	-	Yes	No	5	8	-	10.15	8.93	6.24	5.79
◆ 692	Z84C4408VEG	PLCC-44	SIO	Z80	-	Yes	No	5	8	-	10.15	8.93	6.24	5.79
◆ 692	Z84C9008VSG	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	8	-	12.75	11.22	7.84	7.28
◆ 692	Z84C9008VEG	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	8	-	15.30	13.46	9.41	8.74
692	Z8401510FEG	QFP-100	IPC	Z80	16 PIO	Yes	4	5	10	-	16.48	14.50	10.14	9.41
692	Z84C0010PEG	DIP-40	CPU	Z80	-	Yes	No	5	10	-	4.78	4.20	2.86	2.66
◆ 692	Z84C0010VEG	PLCC-44	CPU	Z80	-	Yes	No	5	10	-	4.78	4.20	2.86	2.66
◆ 692	Z84C1510FEG	QFP-100	IPC	Z80	16 PIO	Yes	4	5	10	-	13.75	12.10	8.46	7.85
◆ 692	Z84C1510AEG	VQFP-100	IPC	Z80	16 PIO	Yes	4	5	10	-	13.75	12.10	8.46	7.85
692	Z84C2010PEG	DIP-40	PIO	Z80	16	Yes	No	5	10	-	4.78	4.20	2.86	2.66
◆ 692	Z84C2010VEG	PLCC-44	PIO	Z80	16	Yes	No	5	10	-	4.78	4.20	2.86	2.66
692	Z84C3010PEG	DIP-28	CTC	Z80	-	Yes	4	5	10	-	4.78	4.20	2.86	2.66
◆ 692	Z84C3010VEG	PLCC-44	CTC	Z80	-	Yes	4	5	10	-	4.78	4.20	2.86	2.66
692	Z84C4010PEG	DIP-40	SIO	Z80	-	Yes	No	5	10	-	10.15	8.93	6.24	5.79
692	Z84C4210PEG	DIP-40	SIO	Z80	-	Yes	No	5	10	-	10.15	8.93	6.24	5.79
◆ 692	Z84C9010VSG	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	10	-	14.05	12.36	8.64	8.02
◆ 692	Z84C9010VEG	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	10	-	17.83	15.69	10.97	10.18
◆ 692	Z84C9012VSG	PLCC-84	KIO	Z80	+8 PIA, PIO	No	No	5	12	-	14.55	12.80	8.96	8.31
◆ 692	Z84C1516FSG	QFP-100	IPC	Z80	16 PIO	Yes	4	5	16	-	17.88	15.73	11.01	10.22

ZILOG Z8 OTP Microcontrollers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

The 8-Bit One-Time Programmable (OTP) Microcontrollers are members of ZiLOG's single-chip Z8 MCU family featuring enhanced wake-up circuitry, programmable Watch-Dog Timers, Low-Noise EMI options, and easy hardware/software system expansion capability.

◆ **Surface Mount Device**

RoHS Compliant

* See below for development tools.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	ROM (KB)	RAM (Bytes)	I/O	Interrupts	On Chip Special Features	On Chip Analog Features	WDT	Timers	Comm Int.	Volts (V)	Operating Speed (MHz)	Development Tool Available Key	Price Each			
Mfr.	Mfr. Part Number														1	25	100	500
692	Z8673312PSG	PDIP-28	0.5	61	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, C, D, E, F, G	8.10	6.48	4.63	4.32
◆ 692	Z8674312VSG	PLCC-44	0.5	61	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, G, I, J, K	9.40	7.52	5.37	5.01
692	Z8674312PSG	PDIP-40	0.5	61	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, G, I, J, K	9.40	7.52	5.37	5.01
◆ 692	Z86E0208SEG1925	SOIC-18	1	125	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	2.08	1.66	1.14	1.12
◆ 692	Z86E0208HEG1925	SSOP-20	1	125	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	2.28	1.82	1.24	1.21
692	Z86E0208PEG1925	PDIP-18	1	125	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	2.08	1.66	1.14	1.12
◆ 692	Z86E0208HSG1925	SSOP-20	1	125	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	2.08	1.66	1.12	1.10
◆ 692	Z86E0208SSG1925	SOIC-18	1	125	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	1.50	1.20	1.04	1.02
◆ 692	Z86E0308SSG	SOIC-18	1	125	14	6	POR	2 comp	Yes	1	---	4.5-5.5	8	A, B, O	4.38	3.50	2.69	2.64
692	Z86E0308PSG	PDIP-18	1	125	14	6	POR	2 comp	Yes	1	---	4.5-5.5	8	A, B, O	4.38	3.50	2.69	2.64
◆ 692	Z86E0412HSG1903	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.13	2.50	1.67	1.63
◆ 692	Z86E0412HEG1903	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.45	2.76	1.84	1.80
◆ 692	Z86E0412SSG1903	SOIC-18	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.25	1.80	1.57	1.54
692	Z86E0412PEG1903	PDIP-18	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.25	2.60	1.73	1.70
◆ 692	Z86E0412HEG1866	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.45	2.76	1.84	1.80
◆ 692	Z86E0412HSG1866	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.13	2.50	1.67	1.63
◆ 692	Z86E0412SSG1866	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.25	1.80	1.57	1.54
692	Z86E0412PEG	PDIP-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.25	2.60	1.73	1.70
◆ 692	Z86E0412SEG1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.25	2.60	1.73	1.70
◆ 692	Z86E0412SEG	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.25	2.60	1.73	1.70
◆ 692	Z86E0612SSG	SOIC-18	2	125	14	6	POR	2 comp	Yes	1	SPI	4.5-5.5	12	A, O, P	5.33	4.26	2.84	2.78
692	Z86E0612PSG	PDIP-18	2	125	14	6	POR	2 comp	Yes	1	SPI	4.5-5.5	12	A, O, P	5.33	4.26	2.84	2.78
◆ 692	Z86E0812HSG1903	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.78	3.02	2.01	1.97
◆ 692	Z86E0812SSG1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.63	2.10	1.93	1.89
◆ 692	Z86E0812HEG1866	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	4.18	3.34	2.23	2.18
◆ 692	Z86E0812SEG1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.88	2.30	2.12	2.08
692	Z86E0812PSG1866	PDIP-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.63	2.10	1.93	1.89
◆ 692	Z86E0812HSG1866	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.78	3.02	2.01	1.97
◆ 692	Z86E0812SSG1866	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.63	2.10	1.93	1.89
◆ 692	Z86E0812SEG	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.88	2.30	2.12	2.08
◆ 692	Z86E0812HEG1903	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	4.18	3.34	2.23	2.18
692	Z86E0812PEG1903	PDIP - 18	4	188	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.98	3.18	2.12	2.08
692	Z86E3016PSG	PDIP - 28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	6.43	5.14	3.43	3.36
◆ 692	Z86E3016SSG	SOIC - 28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	6.43	5.14	3.43	3.36
692	Z86E3016PEG	PDIP - 28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	7.08	5.66	3.77	3.70
692	Z86E3016VEG	PLCC - 28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	6.68	5.34	3.77	3.46
◆ 692	Z86E3116SSG	SOIC - 28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	5.33	4.26	3.22	3.16
◆ 692	Z86E3116VSG	PLCC - 28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	5.33	4.26	3.22	3.16
692	Z86E3116PSG	PDIP - 28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	5.33	4.26	3.22	3.16
◆ 692	Z86E3116VEG	PLCC - 28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	8	B, E, F	5.88	4.70	3.35	3.28
◆ 692	Z86E3016SEG	SOIC - 28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	7.08	5.66	3.77	3.70
692	Z86E3116PEG	PDIP - 28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	5.88	4.70	3.35	3.28
692	Z86E3312PSG	PDIP - 28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, C, D, E, F, G	6.65	5.32	4.27	4.18
◆ 692	Z86E3312SSG	SOIC - 28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, C, D, E, F, G	6.65	5.32	4.19	4.11
◆ 692	Z86E3312VSG	PLCC - 28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, C, D, E, F, G	6.65	5.32	4.16	4.08
◆ 692	Z86E3412VSG	PLCC - 28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, C, D, E, F, G	10.70	8.56	6.03	5.91
◆ 692	Z86E3412SSG	SOIC - 28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, C, D, E, F, G	10.70	8.56	6.03	5.91
◆ 692	Z86E8316SSG	SOIC - 28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	7.95	6.36	4.24	4.16
◆ 692	Z86E8316SEG	SOIC - 28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	8.75	7.00	4.67	4.57
◆ 692	Z86E8316VSG	PLCC - 28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	7.95	6.36	4.24	4.16
◆ 692	Z86E8316VEG	PLCC - 28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	8.75	7.00	4.67	4.57
692	Z86E8316PEG	PDIP - 28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	8.75	7.00	4.67	4.57
692	Z86E3412PSG	PDIP - 28	8	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	AA, BB, CC, DD	10.70	8.56	6.03	5.91
◆ 692	Z86E4016VSG	PLCC - 44	8	237	32	6	POR	2 comp	Yes	2	---	3.5-5.5	16	A, B, F, H, X, Y	7.65	6.12	4.42	4.33
692	Z86E4016PEG	PDIP - 40	8	236	32	6	POR	2 comp	Yes	2	---	3.5-5.5	16	A, B, F, H, X, Y	8.40	6.72	4.87	4.77
◆ 692	Z86E4016VEG	PLCC - 44	8	236	32	6	POR	2 comp	Yes	2	---	3.5-5.5	16	A, B, F, H, X, Y	8.40	6.72	4.87	4.77
692	Z86E4312PSG	PDIP - 40	8	236	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, H, I, J, K	8.13	6.50	4.56	4.47
◆ 692	Z86E4312VSG	PLCC - 44	8	236	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A, B, H, I, J, K	8.13	6.50	4.32	4.23
692	Z86E4412PSG	PDIP - 40	16	237	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	A,B,C,D,F,G,H,I,J,K	12.03	9.62	6.41	6.29
◆ 692	Z86E6116VSG	PLCC - 44	16	237	32	6	---	---	No	2	UART	4.5-5.5	16	L, T, U	19.18	15.34	10.23	10.02
◆ 692	Z86E6316VSG	PLCC - 44	16	236	32	6	---	---	No	2	UART	4.5-5.5	16	L, T, U	24.35	19.48	12.99	12.73
692	Z86E6316PSG	PDIP - 40	16	236	32	6	---	---	No	2	UART	4.5-5.5	16	L, T, U	24.35	19.48	12.99	12.73

ZILOG DEVELOPMENT TOOLS FOR Z8 OTP MICROCONTROLLERS

Key	MOUSER STOCK NO.		Description	Price Each
	Mfr.	Mfr. Part Number		
AA	692	Z86C8401ZEM	Z8 In-Circuit Emulator-C84	1500.00
B	692	Z86CCP01ZEM	Z8 Emulator	49.95
BB	692	Z86E8300ZDP	Z86E83 28 PDIP-28 PDIP OTP Programming Adapt.	36.00
C	692	Z86E3400ZDP	Z86E34 28L PDIP Programming Adapter	33.75
CC	692	Z86E8300ZDS	Z86E83 28 SOIC-28 PDIP OTP Programming Adapt.	54.67
D	692	Z86E3400ZDS	Z86E34 28L SOIC Programming Adapter	50.63
DD	692	Z86E8300ZDV	Z86E83 28 PLCC-28 PDIP OTP Program. Adapter	42.00
E	692	Z86C3000ZAC	Z86C30 Accessory Kit	102.00
EE	692	Z8E00101ZDH	Z8E001 "Z8 ICE" SSOP Converter Kit	62.50
F	692	Z86CCP00ZAC	Z86CCP Emulator Accessory Kit	46.43
G	692	Z86E3400ZDV	Z86E34 28L PLCC Programming Adapter	39.38
H	692	Z86C4001ZDV	Z86C40 PLCC Emulator Pod for Z86CCP01ZEM	106.25
I	692	Z86E4400ZDF	Z86E44 44L QFP Programming Adapter	54.00

Key	MOUSER STOCK NO.		Description	Price Each
	Mfr.	Mfr. Part Number		
J	692	Z86E4400ZDP	Z86E44 40L PDIP Programming Adapter	42.00
K	692	Z86E4400ZDV	Z86E44 44L PLCC Programming Adapter	48.00
M	692	Z86E0700ZDP	Z8 Converter Kit	95.00
N	692	Z86E0800ZDH	Z8 SSOP Converter Kit	75.00
O	692	Z86E0601ZDP	Z8 Converter Kit	180.00
P	692	Z86E0600ZDP	Z8 Converter Kit	66.00
Q	692	Z86E1500ZDP	E15 Programming Adapter/Emulator Pod	113.33
T	692	Z86E2101ZDF	Z8 OTP Converter (QFP) Kit	198.00
U	692	Z86E2101ZDV	Z8 OTP Converter (PLCC) Kit	132.00
X	692	Z86C4000ZDV	Z86C40 PLCC Emulator Pod for Z86C5000ZEM	52.57
Y	692	Z86E4001ZDF	Z8 OTP Converter (QFP) Kit	118.83
Z	692	Z86E4001ZDV	Z8 OTP Converter (PLCC) Kit	74.83

ZILOG Microcontrollers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZILOG DEVELOPMENT TOOLS

Key	MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Price Each
C	692	Z86L9900100ZCO	Z86L99 Evaluation Board	193.75
D	692	Z86L9900100ZEM	Z86L99 In-Circuit Emulator	850.00

Key	MOUSER STOCK NO. Mfr.	Mfr. Part Number	Description	Price Each
E	692	Z86D9900100ZDH	SSOP-48 D99 Programming Adapter	65.00
F	692	Z16C3001ZCO	Z16C30 PC/AT Application Kit	199.00
G	692	Z8S18000ZCO	Z8S180 + ESCC Application Kit	200.00

ZILOG IR MICROCONTROLLERS

RoHS Compliant

◆ Surface Mount Device

- Watchdog timers
- OTP Program memory

∗ See above for development tools.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	ROM (KB)	RAM (Bytes)	I/O	Interrupts	On-Chip Special Features	On-Chip Analog Features	Timers	Voltage (V)	Speed (MHz)	Development Tools Available	Price Each 1	25	100	500
◆ 692	Z86D990HZ008SG	SSOP-48	32	489	32	6	POR, IR Timer, Low Voltage Detection	2 comp; ADC	3	3.0-5.5	8	C, D, E	14.98	11.98	8.20	8.03
692	Z86D990PZ008SG	PDIP-40	32	489	32	6	POR, IR Timer, Low Voltage Detection	2 comp; ADC	3	3.0-5.5	8	C, D	14.20	11.36	7.78	7.63
692	Z86D991PZ008SG	PDIP-28	32	489	24	6	POR, IR Timer, Low Voltage Detection	2 comp	3	3.0-5.5	8	C, D	14.20	11.36	7.78	7.63
◆ 692	Z86D991SZ008SG	SOIC-28	32	489	24	6	POR, IR Timer, Low Voltage Detection	2 comp	3	3.0-5.5	8	C, D	13.83	11.06	7.57	7.42

ZILOG SERIAL COMMUNICATIONS CONTROLLERS

RoHS Compliant

◆ Surface Mount Device

- Operating voltage: 5(V)
- On-chip feature: multi-protocol

∗ See above for development tools.

For quantities of 1000 and up, call for quote.

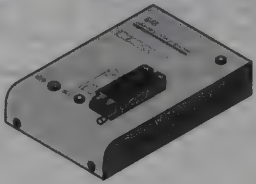
MOUSER STOCK NO. Mfr.	Mfr. Part Number	Package	Comm Controller	Speed (MHz)	Ext. Temp.	Mbps.	FIFO Tx (Bytes)	FIFO Rx (Bytes)	Error Detection	Integrated DMA	Full Duplex Channels	Development Tools Available	Full-Duplex Channels: Dual	Price Each 1	25	100	500
◆ 692	Z80C3008VSG	PLCC-44	SCC	8	No	2.5	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	15.60	13.73	9.61	9.41
692	Z80C3008PSG	DIP-40	SCC	8	Yes	2.5	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	15.60	13.73	9.61	9.41
692	Z8523008PEG	DIP-40	ESCC	8	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	21.98	19.34	13.53	12.57
◆ 692	Z8523008VEG	PLCC-44	ESCC	8	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	19.40	17.07	11.94	11.10
692	Z8523008PSG	DIP-40	ESCC	8	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	13.45	11.84	8.27	7.68
◆ 692	Z8523008VSG	PLCC-44	ESCC	8	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	13.45	11.84	8.27	7.68
692	Z85C3008PEG	PDIP-40	SCC	8	Yes	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	11.45	10.08	7.05	6.55
692	Z85C3008PSG	PDIP-40	SCC	8	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	7.65	6.73	4.71	4.38
◆ 692	Z85C3008VEG	PLCC-44	SCC	8	Yes	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	11.45	10.08	7.05	6.55
◆ 692	Z85C3008VSG	PLCC-44	SCC	8	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	7.65	6.73	4.71	4.38
◆ 692	Z16C3010VEG	PLCC-68	USC	10	Yes	10	32	32	CRC-32, CRC-16, CRC-CCITT	No	No	F	Yes	84.93	74.73	52.25	48.52
◆ 692	Z16C3010ASG	VQFP-100	USC	10	No	10	32	32	CRC-32, CRC-16, CRC-CCITT	No	No	F	Yes	48.20	42.42	29.66	27.54
◆ 692	Z16C3010VSG	PLCC-68	USC	10	No	10	32	32	CRC-32, CRC-16, CRC-CCITT	No	No	F	Yes	48.20	42.42	29.66	27.54
◆ 692	Z16C3010AEG	VQFP-100	USC	10	Yes	10	32	32	CRC-32, CRC-16, CRC-CCITT	No	No	F	Yes	84.93	74.73	52.25	48.52
◆ 692	Z16C3510VSG	PLCC-68	ISCC	10	No	4	1	3	CRC-16 or CRC-CCITT	Yes	No	-	Yes	24.23	21.32	14.91	13.84
692	Z8023010PSG	DIP-40	ESCC	10	No	4	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	23.60	20.77	14.51	14.23
◆ 692	Z8023010VSG	PLCC-44	ESCC	10	No	4	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	25.35	22.31	15.60	15.28
692	Z80C3010PSG	DIP-40	SCC	10	No	2.5	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	20.83	18.33	12.82	12.57
◆ 692	Z80C3010VSG	PLCC-44	SCC	10	No	2.5	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	20.83	18.33	12.82	12.57
◆ 692	Z8523010VSG	PLCC-44	ESCC	10	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	16.98	14.94	10.46	9.71
692	Z8523010PSG	DIP-40	ESCC	10	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	16.98	14.94	10.46	9.71
◆ 692	Z8523010VEG	PLCC-44	ESCC	10	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	27.55	24.24	16.94	15.74
◆ 692	Z8523310VSG	PLCC-44	EMSCC	10	No	4	4	8	CRC-16 or CRC-CCITT	No	Yes	G, F	No	8.53	7.50	5.24	5.14
692	Z85C3010PEG	PDIP-40	SCC	10	Yes	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	13.03	11.46	8.01	7.44
692	Z85C3010PSG	PDIP-40	SCC	10	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	8.73	7.68	5.37	4.99
◆ 692	Z85C3010VEG	PLCC-44	SCC	10	Yes	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	13.03	11.46	8.01	7.44
◆ 692	Z85C3010VSG	PLCC-44	SCC	10	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	8.73	7.68	5.37	4.99
692	Z8523010PEG	DIP-40	ESCC	10	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	27.55	24.24	16.94	15.74
◆ 692	Z16C3516VSG	PLCC-68	ISCC	16	No	4	1	3	CRC-16 or CRC-CCITT	Yes	No	-	Yes	32.13	28.27	19.77	18.36
◆ 692	Z8023016VSG	PLCC-44	ESCC	16	No	4	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	33.20	29.22	20.43	20.02
692	Z8023016PSG	DIP-40	ESCC	16	No	4	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	33.20	29.22	20.43	20.02
◆ 692	Z8523016VSG	PLCC-44	ESCC	16	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	21.80	19.18	13.41	12.45
692	Z8523016PSG	DIP-40	ESCC	16	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	21.80	19.18	13.41	12.45
◆ 692	Z8523016VEG	PLCC-44	ESCC	16	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	33.98	29.90	20.91	19.41
692	Z8523016PEG	DIP-40	ESCC	16	Yes	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	33.98	29.90	20.91	19.41
◆ 692	Z8523316VSG	PLCC-44	EMSCC	16	No	4	4	8	CRC-16 or CRC-CCITT	No	Yes	G, F	No	13.33	11.73	8.21	8.05
692	Z85C3016PSG	PDIP-40	SCC	16	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	12.75	11.22	7.84	7.28
◆ 692	Z85C3016VSG	PLCC-44	SCC	16	No	4	1	3	CRC-16 or CRC-CCITT	No	No	-	Yes	12.75	11.22	7.84	7.28
◆ 692	Z16C3220FSG	PQFP-80	IUSC	20	No	20	32	32	CRC-32, CRC-16, CRC-CCITT	Yes	Yes	-	No	24.10	21.21	14.83	13.77
◆ 692	Z16C3220VSG1660	PLCC-68	IUSC	20	No	20	32	32	CRC-32, CRC-16, CRC-CCITT	Yes	Yes	-	No	20.70	18.82	15.92	14.79
◆ 692	Z8523020VSG	PLCC-44	ESCC	20	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	28.78	25.32	17.71	16.44
692	Z8523020PSG	DIP-40	ESCC	20	No	5	4	8	CRC-16 or CRC-CCITT	No	No	G, F	Yes	28.78	25.32	17.71	16.44

B&K PRECISION Programmers and Erasers

BK PRECISION PROGRAMMERS

Each programmer has been designed for ease-of-use and reliable performance. Whether you are working with PLCC, SOIC, TSOP, DIP, TQFP, SSOP, PSOP or QFP, B+K Precision has an extensive line of socket adapters to interface with any IC package. These programmers are a must for anyone that tests, repairs, or programs any electronic device that uses a memory IC. Fast and reliable, you can depend upon B+K Precision programmers.

Memory Programmer



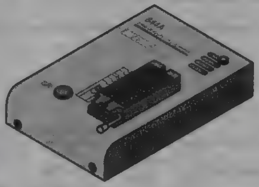
Features:

- EPROM, EEPROM, Flash, NVRAM and serial EEPROM capability
- Low cost
- 32 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 32 pin
- Parallel printer port interface
- Easy to use control program, DOS and Windows 95/98/Me/NT/2000/XP compatible
- One year warranty
- Device library: >6187

B&K Part Number 848

615-848A	EEPROM Programmer, Single Socket	**275.00**

Device Programmer



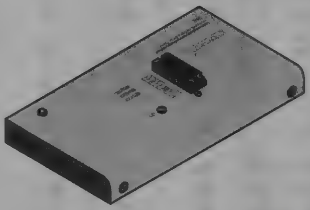
Features:

- Small, fast and powerful programmer
- 40 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 40 pins
- In-circuit serial programming (ISP) capability included
- High-speed IEEE 1284 printer-port interface, up to 1MB/sec. transfer rate
- Easy to use control program, DOS and Windows 95/98/Me/NT/2000/XP compatible
- One year warranty
- Device library: >8996

B&K Part Number 844A

615-844A	Device Programmer (Windows software included)	**449.00**

Universal Device Programmer



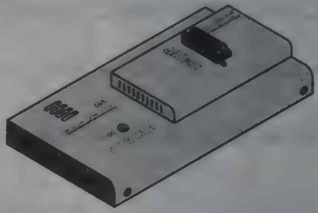
Features:

- Fast and accurate programming
- 48 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 48 pin
- 48 pin ZIF socket, no adapter required for any DIP device up to 48 pins
- Parallel printer port interface
- Windows 95/98/Me/NT/2000 compatible
- One year warranty
- Device library: >11848

B&K Part Number 864

615-864	Universal Programmer	**719.00**

Universal Device Programmer



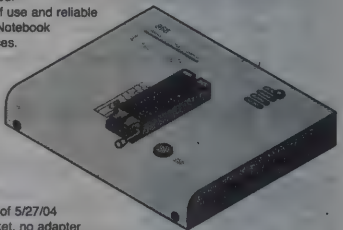
Features:

- Fast and accurate programming
- 48 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 48 pins
- 48 pin ZIF socket, no adapter required for any DIP device up to 48 pins
- Gang programming capability
- Parallel printer port interface
- Windows 95/98/Me/NT/2000/XP compatible
- One year warranty
- Device library: >16874

B&K Part Number 865

615-865	Universal Programmer (Windows based software included)	**995.00**

Universal Device Programmer with USB Interface



Features:

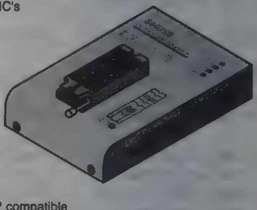
- The 866 is a universal device programmer with an extensive device library that is constantly updated.
- This programmer has been designed for ease of use and reliable performance and it is ideal for use with Laptop/Notebook computers that do not have parallel port interfaces.
- Whether you are working with PLCC, SOIC, TSOP, DIP, TQFP, SSOP, PSOP or QFP, B+K Precision has an extensive line of socket adapters to interface with any IC package.
- This programmer is a must for anyone that Tests, Repairs, or Programs any electronic device that uses a memory IC.
- 48 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 48 pin
- Over 12,438 supported devices (9,734 devices supported via USB interface) as of 5/27/04
- Fast and accurate programming 48 pin ZIF socket, no adapter required for any DIP device up to 48 pins
- Connector for in-circuit programming (ISP) Windows 95/98/Me/NT/2000/XP compatible
- Device library: >16887

B&K Part Number 866

615-866	Universal Device Programmer with USB Interface	**1025.00**

Device Programmer with USB PC Interface

The model 844USB is a great low cost USB interface programmer designed for anyone who wants to read, copy, program or burn common IC's



Features:

- Extensive device libraries, >11510
- Low cost and high performance
- Free technical support
- USB 2.0/1.1 Interface
- 40 pin DIL ZIF (Zero Insertion Force) socket accepts both 300/600 mil devices up to 40 pins
- Small, fast and powerful programmer
- In circuit serial programming (ISP) capability
- Easy to use control program, Windows 95/98/Me/NT/2000/XP compatible

B&K Part Number 844USB

615-844USB	USB Device Programmer	**536.56**

BK PRECISION ERASERS

Features:

- **615-850**: UV-EPROM eraser with small dimensions, high erasing efficiency, and simple operation. Up to 5 EPROMs in 40-pin DIP packages can be erased simultaneously. A built-in timer is preset to an optimum erasing period.
- **615-851**: Heavy duty EPROM eraser that can simultaneously erase up to 40 24 pin EPROMs. It has an all-metal case plus an advanced designed chip drawer that prevents UV radiation from being a hazard to the user. The chip drawer is lined with conductive foam to prevent electrostatic damage to the chips.

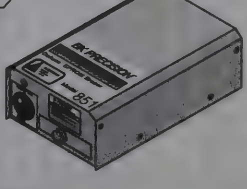
Specifications:

- Timer Setting: **615-850**:15 min., 12VDC/500mA (AC/DC adapter included)
  615-851: 60 min., 100-120VAC 50/60Hz
- UV Bulb Wattage: **615-850**: 4W; **615-851**: 10W
- Supplied: **615-850**: AC/DC adapter, Pad, Manual
  615-851: AC Power cord, Manual

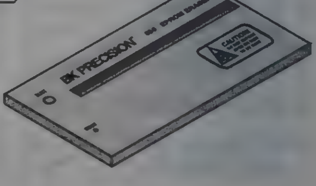
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	BK Precision Part No.	Fig.	No. of EPROM's	Price Each
EPROM Erasers				
615-851	851	A	40	**192.47**
615-850	850	B	5	**105.38**
EPROM Adapters			Description	
615-70-0036	70-0036		32 Pin PLCC	**102.00**
615-70-0023	70-0023		28 Pin SOIC	**114.26**
615-70-0083	70-0083		48 To 52 Pin PLCC	**147.11**

A



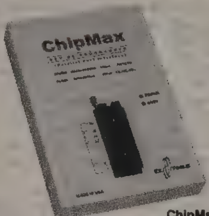
B



EETools Universal Programmers

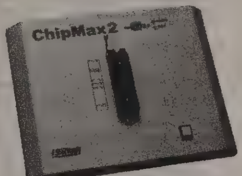
ee Tools DEVELOPMENT PROGRAMMERS

ChipMax and ChipMax2 Programmers


ChipMax

ChipMax Features:

- Supports - EPROM, EEPROM, FLASH memory, PALCE, GAL, Serial PROM, CMOS PROM, and Microcontrollers (NO NAND Flash, NO PAL, NO Bi-Polar, NO Flash Memory over 512Mbit).
- Support over 8500 universal devices.
- B/P/V takes 32 Sec. for AM29F040 Flash Memory.
- Supported voltages down to 5.0 Volt.
- PC interface for Parallel Port.
- External AC (110 or 240) Power Supply.
- Standard 40-pin Textool ZIF socket.
- Win 95/98/NT/2000/XP.

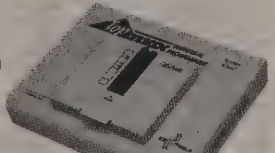

ChipMax2

ChipMax2 Features:

- Supports - EPROM, EEPROM, FLASH (NOR/NAND) memory, PALCE, GAL, FPGA, Serial PROM, Parallel PROM, CMOS PROM, and Microcontrollers (NO PAL/Bi-Polar, NO Flash Memory over 512Mbit).
- Support over 12000 universal devices.
- B/P/V takes 85 Sec. for 64 Mbit Flash Memory.
- Supported low-voltages: 1.8 / 2.0/ 2.7/ 3.0/ 3.3/ 5.0 Volt.
- PC interface for USB Port.
- External AC (110 or 240) Power Supply.
- Standard 48-pin Textool ZIF socket.
- External Start key for auto programming.
- Win 95/98/NT/2000/XP.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519–CHIPMAX		Universal Device Programmer for PC Parallel Port	345.00
519–CHIPMAX2		Universal Device Programmer and IC Tester for USB	545.00

TopMax and TopMaxII Programmers


TopMax

TopMax Features:

- Supports - EPROM, EEPROM, FLASH (NOR/NAND) memory, PLD, FPGA, Serial PROM, Parallel PROM, CMOS PROM, and Microcontrollers (NO Flash Memory over 512Mbit).
- Support over 12000 universal devices.
- B/P/V takes 165 Sec. for 64 Mbit Flash Memory.
- Supported low-voltages: 1.8 / 2.0/ 2.7/ 3.0/ 3.3/ 5.0 Volt.
- PC interface for Parallel Port.
- Built-in AC (110-240) Power Supply.
- Standard 48-pin Textool ZIF socket.
- Win 95/98/NT/2000/XP.

TopMaxII

TopMaxII Features:

- Supports - EPROM, EEPROM, FLASH (NOR/NAND) memory, PLD, FPGA, Serial PROM, Parallel PROM, CMOS PROM, and Microcontrollers.
- New technology and support fast programming time
- Support over 16000 universal devices.
- B/P/V takes 85 Sec. for 8 of 64 Mbit Flash Memory
- Supported low-voltages: 1.8 / 2.0/ 2.7/ 3.0/ 3.3/ 5.0 Volt.
- Built-in AC (110-240) Power Supply.
- Standard 48-pin Textool ZIF socket.
- External Start key for auto programming.
- PC Interface for USB Port.
- Win 95/98/NT/2000/XP.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519–TOPMAX		Universal Device Programmer for PC Parallel Port	695.00
519–TOPMAXII		Universal Device Programmer and IC Tester for USB	995.00

ee Tools PRODUCTION PROGRAMMERS

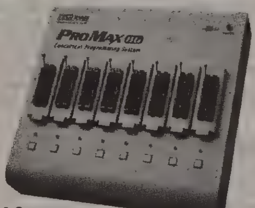
ProMax Universal Programmers

ProMax Features:

- High speed universal device programmer for concurrent programming mode.
- Supported devices:
  - EPROM, EEPROM, FLASH (NOR/NAND) memory, PLD
  - FPGA, Serial PROM, Parallel PROM, CMOS PROM, Microcontrollers

  (NO PAL/Bi-Polar, NO Flash Memory over 512Mbit)
- Support over 12000 universal devices.
- B/P/V takes 85 Sec. for 4/8 of 64 Mbit Flash Memory.
- Supported low-voltages: 1.8 / 2.0/ 2.7/ 3.0/ 3.3/ 5.0 Volt
- PC interface for USB Port.
- Built-in AC (110-240) Power Supply.
- Standard 48-pin Textool ZIF socket.
- External Start key for auto & concurrent programming mode.
- Win 95 / 98 / NT / 2000 / XP.

4-Gang

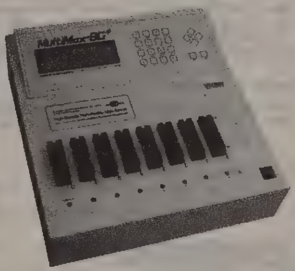

8-Gang

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519–PROMAX-4G		ConCurrent Universal Programmer for USB, 4-Gang	2150.00
519–PROMAX-8G		ConCurrent Universal Programmer for USB, 8-Gang	3950.00

MultiMax-8G+ Stand-Alone Programmer

MultiMax-8G+ Features:

- High-speed Stand-alone Programmer
- Universal Device Supported in 8-sockets (Over 8000 selections):
  - EPROM, EEPROM, FLASH (NOR/NAND) memory, PLD
  - FPGA, Serial PROM, Parallel PROM, CMOS PROM, Microcontrollers
- Keyboard: 22 keys + independent Start key.
- 1.25 Gbit for Standard Buffer Size
- High Speed: 2.5 Mbit/Sec.
- Fast download data via USB 2.0.
- Supported low-voltages: 1.8/ 2.0/ 2.7/ 3.0/ 3.3/ 5.0 Volt.
- Standard 48-pin Textool ZIF socket.
- External Start key for auto programming.
- Display: Wide graphic LCD (40 words, 8 lines).
- B+P+V time: 170 sec. for Intel 28F128J3A.



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519–MULTIMAX-8G+		High Speed & Stand-alone Production Programmer	4950.00

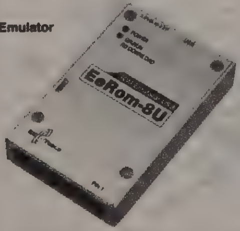
ee Tools ROM EMULATOR AND ADAPTER

Emulator Features:

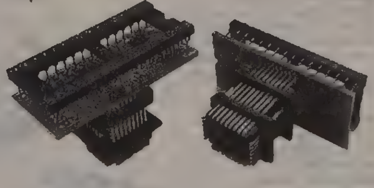
- 8-bit EPROM/Flash emulator up to 8M-45ns USB port.
- USB port interface (plug & Play).
- Support 5v/3.3v w/o adapter, Windows software.
- Download 8Mbit data in 1 second.
- Jumper-less configuration.
- Emulate for EPROM, Flash, SRAM.
- Win 95/98/NT/2000/XP.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519–EEROM-8U		Eprom Emulator for USB	295.00
519–ADP32		EeRom-8U Adapter for 32-pin PLCC Package	80.00

Emulator



Adapter



ee Tools PROGRAMMER ADAPTERS

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519–PA44QF44D		Universal 44-pin QFP Adapter	165.00
519–PA48TS48D1		Universal 48-pin TSOP Adapter	135.00

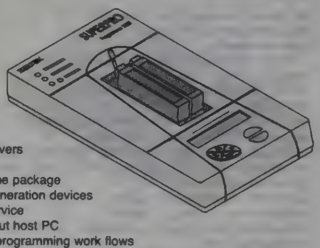
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
519–PA44SO44D		Universal 44-pin SOIC Adapter	135.00
519–PA44-48U		Universal 44-pin PLCC Adapter	115.00
519–PA32PL32D		Universal 32-pin PLCC Adapter	70.00

XELTEK Universal Programmers and EPROM Erasers

XELTEK

XELTEK SUPERPRO-3000U AND SUPERPRO-3000U-100 (43,000 + DEVICES)

These high-speed, USB connected universal programmers provide a scalable programming solution, purchased singly for development or 4 units clustered for low volume production and you can add up to 16 SuperPro 3000U. With up to 100 universal pin drivers, low voltage device support down to 1.5V and broad universal adapter range, it supports over 43,000 + devices.



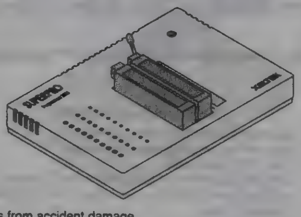
Features:

- Over 43,000 + devices supported including memories, microcontrollers and programmable logic
- 48-Pin ZIF socket, no adapters required for 300/600 mil DIP devices up to 48 pins
- 48 universal pin drivers - full functionality on every pin maximizes adapter flexibility
- Optional 100-Pin PEP module with 100 universal pin drivers (standard on SP-3000U-100)
- Universal adapters support all devices that come in same package
- Low voltage device support – down to 1.5V for latest generation devices
- Operates in standalone mode for manufacturing and service – built in keyboard and LCD display for operation without host PC
- Auto-Sense and Batch mode simplifies and speeds up programming work flows
- Auto Serial number adds unique ID to programmed device for identification & tracking
- USB connectivity to host PC or USB hub for high speed download
- Free software updates from internet – new device updates released monthly
- Operating sytem supports: Windows 95/98/ME/2000/NT/XP/Vista
- High speed operation • Includes TTL and SRAM test • 1-Year warranty

RoHS Compliant

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
674	SP3000U	High Performance Universal Programmer 48 Pin	1095.00
674	SP3000U-100	High Performance Universal Programmer 100 Pin	1345.00
674	SP3000U-CLUSTER	Gang Programmers, Composed of 4 SP3000U's	4380.00
674	PEP3000	100 Pin Adapter for 3000U	295.00
674	128MEG	128 Meg Flash Card	80.00

XELTEK SUPERPRO-580U (31,000 + DEVICES)



Features:

- Programs high-density Flash memory devices at near theoretical minimum programming times. (Program+verify INTEL28F320W18, 32Mb less than 13.5s)
- Standard 48 pin universal pin-drivers come with universal package adapters to support all types of devices in same package with a single adapter. No adapters are needed for DIL devices.
- Advanced hardware features minimized Bounce noise.
- Supports 31,000 + devices from up to 144 IC manufacturers including MEMORY, MCU, PLD.
- Pin continuity and wrong chip insertion check prevent chips from accident damage.
- Over-current and over-voltage protection for programmer hardware.
- Operator friendly control software combines many powerful functions with ease of use. Recognizes file formats and detects large file offset automatically.
- Operating sytem supports: Windows 95/98/ME/2000/NT/XP/Vista

Device Supported:

- EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic.

Socket Adapters Supported:

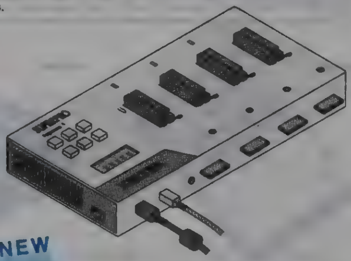
DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, VQFP, TSOP, TSOPII, SOP, P SOP, TSSOP, SON, EBGA, FBGA, VFBGA, μBGA, CSP, SCSP, etc.

RoHS Compliant

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
674	SUPERPRO-580U	USB Interfaced Universal Device Programmer	745.00

XELTEK SUPERPRO-9000U (35,000 + DEVICES)

Features:



- 4 ea. high speed 48 pin DIP programming sockets.
- Supports 35,000 + devices and growing, more than any gang programmer in the market.
- 430+ socket adapters including 150+ FBGA package types supported.
- Operates in both PC and stand-alone mode without a pC attached for volume production.
- Asynchronous fast programming. Each module is independent from one another.
- Programming starts automatically when a chip is inserted.
- High speed programming
- ISP (In-System Programmable) devices supported.
- No experienced operator with the knowledge of PC or Windows necessary
- Four 128MB compact flash cards included.
- Supports up to 4GB CF card.
- Operating sytem supports: Windows 95/98/ME/2000/NT/XP/Vista

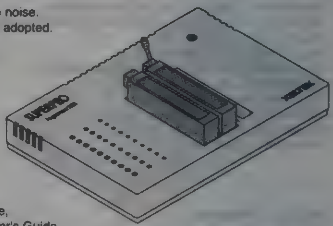
NEW FROM SUPPLIER

RoHS Compliant

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
674	SP-9000U	USB Interfaced Universal Gang Programmer	3695.00

XELTEK SUPERPRO-280U (21,000 + DEVICES)

Features:



- Programs high-density Flash memory devices.
- Standard 48 pin universal pin-drivers come with universal package adapters to support all types of devices in same package with a single adapter. No adapters are needed for DIL devices.
- Advanced hardware features minimized Bounce noise. Only IC manufacturers approved algorithms are adopted.
- Supports 21,000 + devices from up to 129 IC manufacturers including MEMORY, MCU, PLD.
- Free life-time software update.
- Pin continuity and wrong chip insertion check prevent chips from accident damage.
- Over-current and over-voltage protection for programmer hardware.
- Operator friendly control software combines many powerful functions with ease of use.
- PC Interface: USB
- One year warranty.
- Items included: programming unit, DIL48 Module, AC adapter, Program CD-ROM, USB Cable, User's Guide
- Operating sytem supports: Windows 95/98/ME/2000/NT/XP/Vista

Device Support:

- EPROM, Paged EPROM, Parallel and Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), BPROM, NVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic.

Socket Adapters Supported:

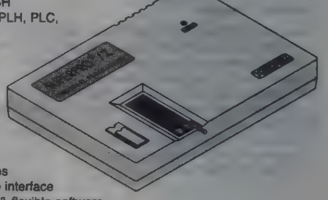
- DIP, SDIP, PLCC, JLCC, SOIC, QFP, TQFP, VQFP, TSOP, TSOPII, SOP, P SOP, TSSOP, SON, EBGA, FBGA, VFBGA, μBGA, CSP, SCSP, etc.

RoHS Compliant

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
674	SUPERPRO-280U	USB Interfaced Universal Device Programmer	595.00

XELTEK SUPERPRO-Z (3,500 + DEVICES)

Features:



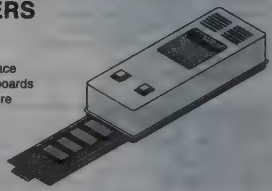
- 40 Pin Low Cost Universal Programmer
- 3,500 + devices supported, Most E/EPROM, FLASH
- GAL, EP3xx/6xx/9xx, PEEL, PALCE, PLUS, PLS, PLH, PLC, ATV, ATF, CPL, 85Cxxx,5Cxxx,DS12xx
- Microcontrollers 87xx/ 89xx/ Z86Exx/ TMS320xxx/ D77Pxx/ D75Pxx/ D78Pxx/ PD75xxx/
- HD6370xxx/PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- DOS Shell, Change directory, Print, Quit
- Printer Port Interfaces, parallel communication, uses address 278H,378H, 3BCH
- Supports 3500+ devices
- Easy interface to LAPTOP, PC, PS/2 or compatibles
- Mouse support, user friendly menu driven software interface
- High speed programming, cost effective hardware & flexible software
- Supports most E(E)PROM, Series E(E)PROM, and Flash
- Entry Level Product

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
674	SUPERPRO-Z	Low Cost Advance Universal Programmer 40 Pin	279.00

XELTEK EPROM UV ERASERS

Features:



- Heavy duty construction, units may be stacked to save space
- Holds 9 Devices, deep drawer for processing loaded PC boards
- 60 minute timer, has safety interlock to prevent UV exposure
- Available in 110V or 220V, 8 Watt power consumption

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
674	LA6T-220V	EPROM Eraser holds 8 devices 220V	109.00
674	CHIPERASER-II	EPROM Eraser 110V w/mech timer holds 20 devices	195.00

XELTEK ADAPTERS

For Superpro High Performance Universal IC Programmers
Additional adapters are available. Please, contact your Mouser Representative.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
674	SA247	TSOP 48/D48 Adapter for SUPERPRO Programmers	175.00
674	SA244	PLCC 44/D44 Adapter for SUPERPRO Programmers	110.00
674	SA015A1T	PLCC 32/D32 Adapter for SUPERPRO Programmers	95.00
674	SA620	TSOP 32/D32 Adapter for SUPERPRO Programmers	155.00
674	S414T	PLCC 68/D100 Adapter for SUPERPRO Programmers	135.00
674	SA001A	PLCC 20/D20 Adapter for SUPERPRO Programmers	95.00
674	S416T	PLCC 84/D100 Adapter for SUPERPRO Programmers	145.00

ATMEL Memory

RoHS Compliant **This page of product is compliant.**

DATAFLASH

Atmel's DataFlash® is the world's number one selling serial interface flash family. Atmel's Dataflash families are feature rich, low pin count, sequential access families ideal for program code, data storage, Serial EEPROM replacement, and the next generation PC Bios Market.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Density	I/O Pins	Interface Type	Page Size	Vcc	Price Each			
								1	10	25	100
556-AT45DB011BSU	AT45DB011B-SU	SO150	1M	8	SPI	264 Bytes	2.7V	1.18	1.02	.92	.79
556-AT45DB021BSU	AT45DB021B-SU	SO150	2M	8	SPI	264 Bytes	2.7V	1.51	1.30	1.17	1.00
556-AT45DB041DSU	AT45DB041D-SU	SO150	4M	8	SPI, RapidS	264 Bytes	2.5V, 2.7V	1.29	1.11	1.00	.86
556-AT26F004SU	AT26F004-SU	SO150	4M	8	SPI	256 Bytes	2.7V-3.6V	1.08	.93	.84	.72
556-AT26F004SSU	AT26F004-SSU	SOIC150	4M	8	SPI	256 Bytes	2.7V-3.6V	1.08	.93	.84	.72
556-AT26DF081ASU	AT26DF081A-SU	SO150	8M	8	SPI	256 Bytes	2.7V-3.6V	1.61	1.39	1.25	1.07
556-AT45DB081DSU	AT45DB081D-SU	SOIC 150	8M	8	SPI, RapidS	264 Bytes	2.7V-3.6V	1.87	1.57	1.42	1.22
556-AT45DB081BCNU	AT45DB081B-CNU	CASON	8M	8	SPI	264 Bytes	2.7V	2.37	2.04	1.84	1.57
556-AT26DF161SU	AT26DF161-SU	SO150	16M	8	SPI	256 Bytes	2.7V-3.6V	2.37	2.04	1.84	1.57
556-AT45DB161DTU	AT45DB161D-TU	TSOP	16M	28	SPI	528 Bytes	2.5V, 2.7V	2.58	2.22	2.00	1.72
556-AT45DB161DSU	AT45DB161D-SU	SO150	16M	8	SPI	528 Bytes	2.5V, 2.7V	2.37	2.04	1.84	1.57
556-AT45DB161D-MU	AT45DB161D-MU	MLF	16M	8	SPI	528 Bytes	2.5V, 2.7V	2.58	2.22	2.00	1.72
556-AT45DB321DTU	AT45DB321D-TU	TSOP	32M	28	SPI, RapidS	528 Bytes	2.7V	4.19	3.61	3.26	2.79
556-AT45DB321DSU	AT45DB321D-SU	SO150	32M	8	SPI, RapidS	528 Bytes	2.7V	3.66	3.15	2.84	2.43
556-AT45DB321D-MWU	AT45DB321D-MWU	MOD'L	32M	8	SPI, RapidS	528 Bytes	2.7V	3.98	3.42	3.09	2.65
556-AT45DB321D-MU	AT45DB321D-MU	MLF	32M	8	SPI, RapidS	528 Bytes	2.7V	3.98	3.42	3.09	2.65
556-AT45DB642DTU	AT45DB642D-TU	TSOP	64M	28	Serial, Rapid8	1056 Bytes	2.7V	7.31	6.29	5.68	4.86
556-AT45DB642D-CNU	AT45DB642D-CNU	CASON	64M	8	Serial, Rapid8	1056 Bytes	2.7V	6.99	6.01	5.43	4.65

FLASH MEMORY

Atmel offers parallel Flash memories in a variety of configurations and architectures to address the unique requirements of today's applications. Our first generation AT29 Series devices were developed for applications requiring updates of small portions of data throughout the memory array. The AT29 Series most notable feature is the small sector sizes which create an ideal solution for both program code and data storage.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Density	Organization	Speed	Vcc	Price Each			
							1	10	25	100
556-AT29C512-90TU	AT29C512-90TU	TSOP	512K	64K x 8	90 ns	4.5V-5.5V	2.22	2.05	1.92	1.67
556-AT29C512-90JU	AT29C512-90JU	PLCC	512K	64K x 8	90 ns	4.5V-5.5V	2.22	2.05	1.92	1.67
556-AT29C51270JU	AT29C512-70JU	PLCC	512K	64K x 8	70 ns	4.5V-5.5V	2.22	2.05	1.92	1.67
556-AT29C010A-90JU	AT29C010A-90JU	PLCC	1M	128K x 8	90 ns	4.5V-5.5V	2.47	2.28	2.13	1.86
556-AT29C010A70JU	AT29C010A-70JU	PLCC	1M	128K x 8	70 ns	4.5V-5.5V	2.47	2.28	2.13	1.86
556-AT29LV02010JU	AT29LV020-10JU	PLCC	2M	256K x 8	100 ns	3.0V-3.6V	3.29	3.03	2.84	2.47
556-AT29C020-90JU	AT29C020-90JU	PLCC	2M	256K x 8	90 ns	4.5V-5.5V	3.29	3.03	2.84	2.47
556-AT29C02070JU	AT29C020-70JU	PLCC	2M	256K x 8	70 ns	4.5V-5.5V	3.29	3.03	2.84	2.47
556-AT29LV040A15TU	AT29LV040A-15TU	TSOP	4M	512K x 8	150 ns	3.0V-3.6V	4.62	4.25	3.99	3.48
556-AT29LV040A15JU	AT29LV040A-15JU	PLCC	4M	512K x 8	150 ns	3.0V-3.6V	4.62	4.25	3.99	3.48
556-AT29C040A-90TU	AT29C040A-90TU	TSOP	4M	512K x 8	90 ns	4.5V-5.5V	4.62	4.25	3.99	3.48
556-AT29C040A-90JU	AT29C040A-90JU	PLCC	4M	512K x 8	90 ns	4.5V-5.5V	4.62	4.25	3.99	3.48
556-AT29C040A12TU	AT29C040A-12TU	TSOP	4M	512K x 8	120 ns	4.5V-5.5V	4.62	4.25	3.99	3.48
556-AT29C040A12JU	AT29C040A-12JU	PLCC	4M	512K x 8	120 ns	4.5V-5.5V	4.62	4.25	3.99	3.48

EPROM

Atmel has one of the broadest range of OTP EPROMs in the market. Atmel OTPs are widely used for embedded program code storage in applications such as: cordless phones, pagers, video game players, printers, modems, graphics cards, instrumentation, automotive, medical, telecom, networking, industrial control equipment and hard disk drives.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Density	Organization	Speed	Temperature Range	Vcc	Price Each			
								1	10	25	100
556-AT27LV256A-90JU	AT27LV256A-90JU	PLCC	256K	32K x 8	90 ns	-40°C to 85°C	3V	3.40	3.15	2.85	2.45
556-AT27C256R70RU	AT27C256R-70RU	SO 300	256K	32K x 8	70 ns	-40°C to 125°C	5V	3.00	2.78	2.50	2.14
556-AT27C256R70PU	AT27C256R-70PU	PDIP	256K	32K x 8	70 ns	-40°C to 125°C	5V	2.90	2.68	2.42	2.07
556-AT27C256R70JU	AT27C256R-70JU	PLCC	256K	32K x 8	70 ns	-40°C to 85°C	5V	2.90	2.68	2.42	2.07
556-AT27C256R-45JU	AT27C256R-45JU	PLCC	256K	32K x 8	45 ns	-40°C to 85°C	5V	3.48	3.22	2.90	2.48
556-AT27LV512A-90JU	AT27LV512A-90JU	PLCC	512K	64K x 8	90 ns	-40°C to 85°C	3.6V	3.60	3.33	3.05	2.60
556-AT27C512R70PU	AT27C512R-70PU	PDIP	512K	64K x 8	70 ns	-40°C to 125°C	5V	3.14	2.90	2.61	2.24
556-AT27C512R70JU	AT27C512R-70JU	PLCC	512K	64K x 8	70 ns	-40°C to 85°C	5V	3.14	2.90	2.61	2.24
556-AT27C512R-45JU	AT27C512R-45JU	PLCC	512K	64K x 8	45 ns	-40°C to 85°C	5V	3.70	3.42	3.09	2.65
556-AT27C01070PU	AT27C010-70PU	PDIP	1M	128K x 8	70 ns	-40°C to 125°C	5V	4.14	3.83	3.46	2.96
556-AT27C01070JU	AT27C010-70JU	PLCC	1M	128K x 8	70 ns	-40°C to 85°C	5V	4.14	3.83	3.46	2.96
556-AT27C010-45PU	AT27C010-45PU	PDIP	1M	128K x 8	45 ns	-40°C to 125°C	5V	4.94	4.57	4.13	3.54
556-AT27C010-45JU	AT27C010-45JU	PLCC	1M	128K x 8	45 ns	-40°C to 85°C	5V	4.94	4.57	4.13	3.54
556-AT27BV010-90JU	AT27BV010-90JU	PLCC	1M	128K x 8	90 ns	-40°C to 85°C	2.7V	5.00	4.63	4.20	3.60
556-AT27C102470PU	AT27C1024-70PU	PDIP	1M	64K x 16	70 ns	-40°C to 125°C	5V	4.74	4.38	3.96	3.39
556-AT27C102470JU	AT27C1024-70JU	PLCC	1M	64K x 16	70 ns	-40°C to 85°C	5V	4.74	4.38	3.96	3.39
556-AT27C1024-45JU	AT27C1024-45JU	PLCC	1M	64K x 16	45 ns	-40°C to 85°C	5V	5.54	5.12	4.63	3.96
556-AT27BV1024-90JU	AT27BV1024-90JU	PLCC	1M	64K x 16	90 ns	-40°C to 85°C	2.7V	5.94	5.49	4.96	4.24
556-AT27C020-90PU	AT27C020-90PU	PDIP	2M	256K x 8	90 ns	-40°C to 125°C	5V	5.24	4.85	4.38	3.75
556-AT27C020-90JU	AT27C020-90JU	PLCC	2M	256K x 8	90 ns	-40°C to 85°C	5V	5.24	4.85	4.38	3.75
556-AT27C020-55PU	AT27C020-55PU	PDIP	2M	256K x 8	55 ns	-40°C to 125°C	5V	6.06	5.61	5.05	4.33
556-AT27C040-90PU	AT27C040-90PU	PDIP	4M	512K x 8	90 ns	-40°C to 85°C	5V	7.08	6.55	5.92	5.07
556-AT27C04070PU	AT27C040-70PU	PDIP	4M	512K x 8	70 ns	-40°C to 85°C	5V	7.66	7.09	6.40	5.48
556-AT27C04070JU	AT27C040-70JU	PLCC	4M	512K x 8	70 ns	-40°C to 85°C	5V	7.66	7.09	6.40	5.48

ATMEL Memory and Programmable Logic

RoHS Compliant **This page of product is compliant.**

PARALLEL EEPROMS

Atmel is the world's #1 manufacturer of Parallel EEPROM products. The Parallel EEPROM enables the user or application to update the stored data byte-by-byte or by full sector, while providing reliability benefits of high programming endurance and data retention, and faster read timing than Serial Interface protocols.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Density	Organization	Speed	Vcc	Price Each			
							1	10	25	100
556-AT28C64B15TU	AT28C64B-15TU	TSOP	64K	8K x 8	150 ns	4.5V-5.5V	4.00	3.72	3.50	3.15
556-AT28C64B15SU	AT28C64B-15SU	SO150	64K	8K x 8	150 ns	4.5V-5.5V	4.00	3.72	3.50	3.15
556-AT28C64B15PU	AT28C64B-15PU	PDIP	64K	8K x 8	150 ns	4.5V-5.5V	3.80	3.57	3.35	3.00
556-AT28C64B15JU	AT28C64B-15JU	PLCC	64K	8K x 8	150 ns	4.5V-5.5V	3.80	3.57	3.35	3.00
556-AT28BV64B20TU	AT28BV64B-20TU	TSOP	64K	8K x 8	200 ns	2.7V-3.6V	7.45	6.98	6.55	5.85
556-AT28HC25612SU	AT28HC256-12SU	SO150	256K	32K x 8	120 ns	4.5V-5.5V	6.15	5.81	5.40	4.85
556-AT28HC25612PU	AT28HC256-12PU	PDIP	256K	32K x 8	120 ns	4.5V-5.5V	6.15	5.81	5.40	4.85
556-AT28C25615TU	AT28C256-15TU	TSOP	256K	32K x 8	150 ns	4.5V-5.5V	5.90	5.50	5.15	4.65
556-AT28C25615PU	AT28C256-15PU	PDIP	256K	32K x 8	150 ns	4.5V-5.5V	5.90	5.50	5.15	4.65
556-AT28C25615JU	AT28C256-15JU	PLCC	256K	32K x 8	150 ns	4.5V-5.5V	5.70	5.35	5.00	4.50
556-AT28BV25620TU	AT28BV256-20TU	TSOP	256K	32K x 8	200 ns	2.7V-3.6V	7.25	6.82	6.35	5.70
556-AT28C01015PU	AT28C010-15PU	PDIP	1M	128K x 8	150 ns	4.5V-5.5V	21.45	20.15	18.85	16.90

SERIAL EEPROMS

Atmel is the leading supplier of Serial EEPROM devices, used in a broad spectrum of consumer, automotive, telecommunication, medical, industrial and PC related markets. Primarily used to store personal preference data and configuration/setup data, Serial EEPROMs are the most flexible type of non-volatile memory utilized today.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Density	Interface Type	Organization	Vcc	Price Each			
							1	10	25	100
556-A24C01BPU	AT24C01B-PU	PDIP	1K	2-Wire	128 x 8	1.8V	.34	.30	.26	.23
556-A24C01BTH-B	AT24C01B-TH-B	TSSOP	1K	2-Wire	128 x 8	1.8V	.37	.31	.28	.25
556-A24C01BNSH-B	AT24C01BN-SH-B	SO150	1K	2-Wire	128 x 8	1.8V	.32	.28	.25	.23
556-A93C46D-PU	AT93C46D-PU	PDIP	1K	3-Wire	128 x 8	1.8V	.34	.30	.26	.23
556-A93C46DTH-B	AT93C46D-TH-B	TSSOP	1K	3-Wire	128 x 8	1.8V	.37	.31	.28	.25
556-A93C46DNSH-B	AT93C46DN-SH-B	SO150	1K	3-Wire	128 x 8	1.8V	.32	.28	.25	.23
556-A93C46E-PU	AT93C46E-PU	PDIP	1K	3-Wire	64 x 16	1.8V	.37	.31	.28	.25
556-A24C02BPU	AT24C02B-PU	PDIP	2K	2-Wire	256 x 8	1.8V	.43	.37	.32	.29
556-A24HC02BTH-B	AT24HC02B-TH-B	TSSOP	2K	2-Wire	256 x 8	1.8V	.49	.43	.37	.34
556-A24C02BNSH-B	AT24C02BN-SH-B	SO150	2K	2-Wire	256 x 8	1.8V	.43	.37	.32	.29
556-A24HC02BNSH-B	AT24HC02BN-SH-B	SO150	2K	2-Wire	256 x 8	1.8V	.45	.39	.35	.32
556-A24C16BTH-B	AT24C16B-TH-B	TSSOP	16K	2-Wire	2048 x 8	--	.60	.52	.46	.42
556-A24C16BNSH-B	AT24C16BN-SH-B	SO150	16K	2-Wire	2048 x 8	--	.54	.46	.41	.38
556-A24C32C-PU	AT24C32C-PU	PDIP	32K	2-Wire	4096 x 8	1.8V	.62	.54	.47	.43
556-A24C512BPU	AT24C512B-PU	PDIP	512K	2-Wire	65,536 x 8	1.8V	2.11	1.81	1.62	1.47
556-A24C512BPU25	AT24C512B-PU25	PDIP	512K	2-Wire	65,536 x 8	1.8V	1.89	1.63	1.44	1.31
556-A24C512BTH25-B	AT24C512B-TH25-B	TSSOP	512K	2-Wire	65,536 x 8	1.8V	2.04	1.76	1.56	1.42
556-A24C512BTH-B	AT24C512B-TH-B	TSSOP	512K	2-Wire	65,536 x 8	1.8V	2.26	1.94	1.73	1.58
556-A24C512BNSH25-B	AT24C512BN-SH25-B	SO150	512K	2-Wire	65,536 x 8	1.8V	1.81	1.55	1.39	1.26
556-A24C512BNSH-B	AT24C512BN-SH-B	SO150	512K	2-Wire	65,536 x 8	1.8V	1.89	1.63	1.44	1.31
556-A24C512BWSH25-B	AT24C512BW-SH25-B	SO300	512K	2-Wire	65,536 x 8	1.8V	2.11	1.81	1.62	1.47
556-A24C64C-PU	AT24C64C-PU	PDIP	64K	2-Wire	4096 x 8	1.8V	.77	.67	.60	.55
556-A24C64CTH-B	AT24C64C-TH-B	TSSOP	64K	2-Wire	4096 x 8	1.8V	.84	.72	.65	.59
556-A24C1024BWSH25-B	AT24C1024BW-SH25-B	SO300	1024K	2-Wire	131072 x 8	2.7V	3.91	3.37	3.00	2.73

ELECTRONICALLY ERASABLE PROGRAMMABLE LOGIC DEVICES - EEPLDS

Atmel's Programmable Logic Devices are EE-based for high-reliability and easy re-programming and are supported by all popular third party programmers.

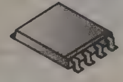
For quantities of 500 and up, call for quote.

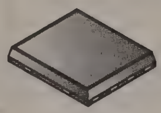
MOUSER STOCK NO.	Atmel Part No.	Package	Tpd	I/O Pins	Macro-cells	Power Options	Registers	Usable Gates	Vcc	Price Each			
										1	10	25	100
556-AF16LV8C10XU	ATF16LV8C-10XU	TSSOP	10 ns	20	8	Standard	8	150	5.0V	2.69	2.31	1.69	1.56
556-AF16V8B10JU	ATF16V8B-10JU	PLCC	10 ns	20	8	Standard	8	150	5.0V	2.80	2.41	1.11	.98
556-AF22LV10C10PU	ATF22LV10C-10PU	PDIP	10 ns	24	10	Standard	10	350	5.0V	3.50	3.02	2.36	1.95
556-AF750C10JU	ATF750C-10JU	PLCC	10 ns	28	10	Standard	20	500	5.0V	8.39	7.22	6.01	5.62
556-AF750C10PU	ATF750C-10PU	PDIP	10 ns	24	10	Standard	20	500	5.0V	8.39	7.22	6.01	5.62
556-AF16V8B15JU	ATF16V8B-15JU	PLCC	15 ns	20	8	Standard	8	150	5.0V	1.29	1.23	1.20	.90
556-AF16V8B15PU	ATF16V8B-15PU	PDIP	15 ns	20	8	Standard	8	150	5.0V	1.29	1.23	1.20	.90
556-AF16V8B15SU	ATF16V8B-15SU	SO150	15 ns	20	8	Standard	8	150	5.0V	1.40	1.33	1.30	.98
556-AF20V8B10PU	ATF20V8B-10PU	PDIP	15 ns	24	8	Standard	8	200	5.0V	4.19	3.61	2.83	2.44
556-AF22V10C15PU	ATF22V10C-15PU	PDIP	15 ns	24	10	Standard	10	350	5.0V	2.43	2.09	1.63	1.41
556-AF2500C15JU	ATF2500C-15JU	PLCC	15 ns	24	24	Standard	48	1500	5.0V	8.47	7.29	6.50	5.71
556-AF1500AL20JU	ATF1500AL-20JU	PLCC	20 ns	44	32	Standard	32	1000	5.0V	4.24	3.64	3.03	2.84
556-AF2500C-20PU	ATF2500C-20PU	PDIP	20 ns	24	24	Standard	48	1500	5.0V	7.55	6.49	5.80	5.09
556-AF16V8BQL15JU	ATF16V8BQL-15JU	PLCC	15 ns	20	8	Quarter	8	150	5.0V	1.91	1.82	1.78	1.34
556-AF16V8BQL15PU	ATF16V8BQL-15PU	PDIP	15 ns	20	8	Quarter	8	150	5.0V	1.91	1.82	1.78	1.34
556-AF16V8BQL15SU	ATF16V8BQL-15SU	SO150	15 ns	20	8	Quarter	8	150	5.0V	1.91	1.82	1.78	1.34
556-AF16V8BQL15XU	ATF16V8BQL-15XU	TSSOP	15 ns	20	8	Quarter	8	150	5.0V	2.02	1.93	1.88	1.41
556-AF22V10CQZ-20JU	ATF22V10CQZ-20JU	PLCC	20 ns	28	10	Quarter, Zero	10	350	5.0V	3.35	2.89	2.27	1.95
556-AF22V10CQZ-20PU	ATF22V10CQZ-20PU	PDIP	20 ns	24	10	Quarter, Zero	10	350	5.0V	3.35	2.89	2.27	1.95
556-AF22LV10CQZ-30JU	ATF22LV10CQZ-30JU	PLCC	30 ns	28	10	Quarter, Zero	10	350	5.0V	3.23	2.78	2.18	1.80
556-AF22LV10CQZ-30PU	ATF22LV10CQZ-30PU	PDIP	30 ns	24	10	Quarter, Zero	10	350	5.0V	3.23	2.78	2.18	1.80
556-AF22LV10CQZ-30XU	ATF22LV10CQZ-30XU	TSSOP	30 ns	24	10	Quarter, Zero	10	350	5.0V	3.55	3.05	2.39	1.98
556-AF16V8CZ15JU	ATF16V8CZ-15JU	PLCC	15 ns	8	8	Standard, Zero	8	150	5.0V	2.47	2.13	1.90	1.53
556-AF16V8CZ15SU	ATF16V8CZ-15SU	SO150	15 ns	8	8	Standard, Zero	8	150	5.0V	2.47	2.13	1.90	1.53

CATALYST Serial EEPROMs

RoHS Compliant **This page of product is compliant.**

CATALYST SEMICONDUCTOR, INC.


TSSOP-8


TDFN-8

PDIP-8

SOIC-8

CATALYST I²C BUS (2-WIRE) LOW STANDBY CURRENT, PARTIAL ARRAY WRITE PROTECTION

RoHS Compliant

These I2C Serial CMOS EEPROMs, internally organized as 16 pages of 16 bytes each, for a total of 256 bytes of 8 bits each. It features a 16-byte page write buffer and supports both the Standard (100 kHz) as well as Fast (400 kHz) I2C protocol. Write operations can be inhibited by taking the WP pin High (this protects the entire memory) or by setting an internal Write Protect flag via Software command (this protects the lower half of the memory).

Features:

- Supports Standard and Fast I²C Protocol
- 1.7 V to 5.5 V Supply Voltage Range
- 16-Byte Page Write Buffer
- Hardware Write Protection for entire memory
- Software Write Protection for lower 128 Bytes
- Schmitt Triggers and Noise Suppression Filters on I²C Bus Inputs (SCL and SDA).
- Low power CMOS technology
- 1,000,000 program/erase cycles
- 100 year data retention

◆ Surface Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Catalyst Stock No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Price Each			
							1	25	100	250
◆ 698-CAT34C02YI-G	CAT34C02YI-G	TSSOP-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.38	.30	.29	.27
◆ 698-CAT34C02VP2I-G	CAT34C02VP2I-G	TDFN-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.42	.34	.32	.29

CATALYST I²C BUS (2-WIRE) LOW STANDBY CURRENT, FULL ARRAY WRITE PROTECTION

These I2C Serial CMOS EEPROMs features a 16-byte page write buffer and supports both the Standard (100 kHz) as well as Fast (400 kHz) I2C protocol. Write operations can be inhibited by taking the WP pin High (this protects the entire memory).

Features:

- Supports Standard and Fast I²C Protocol
- 1.8 V to 5.5 V Supply Voltage Range
- 16-Byte Page Write Buffer
- Hardware Write Protection for entire memory
- Schmitt Triggers and Noise Suppression Filters on I²C Bus Inputs (SCL and SDA).
- Low power CMOS technology
- 1,000,000 program/erase cycles
- 100 year data retention

RoHS Compliant

◆ Surface Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Catalyst Stock No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Price Each			
							1	25	100	250
698-CAT24C01LI-G	CAT24C01LI-G	PDIP-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.38	.30	.29	.27
◆ 698-CAT24C01WI-G	CAT24C01WI-G	SOIC-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.34	.27	.26	.24
◆ 698-CAT24C01YI-G	CAT24C01YI-G	TSSOP-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.34	.27	.26	.24
698-CAT24C02LI-G	CAT24C02LI-G	PDIP-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.38	.30	.29	.27
◆ 698-CAT24C02WI-G	CAT24C02WI-G	SOIC-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.34	.27	.26	.24
◆ 698-CAT24C02YI-G	CAT24C02YI-G	TSSOP-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.34	.27	.26	.24
698-CAT24C04LI-G	CAT24C04LI-G	PDIP-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.42	.34	.32	.29
◆ 698-CAT24C04WI-G	CAT24C04WI-G	SOIC-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.38	.30	.29	.27
◆ 698-CAT24C04YI-G	CAT24C04YI-G	TSSOP-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.38	.30	.29	.27
698-CAT24C08LI-G	CAT24C08LI-G	PDIP-8	8K	1024 x 8	- 40 to + 85	1.8 to 5.5	.46	.37	.35	.32
◆ 698-CAT24C08WI-G	CAT24C08WI-G	SOIC-8	8K	1024 x 8	- 40 to + 85	1.8 to 5.5	.42	.34	.32	.29
◆ 698-CAT24C08YI-G	CAT24C08YI-G	TSSOP-8	8K	1024 x 8	- 40 to + 85	1.8 to 5.5	.42	.34	.32	.29
698-CAT24C16LI-G	CAT24C16LI-G	PDIP-8	16K	2048 x 8	- 40 to + 85	1.8 to 5.5	.50	.40	.38	.35
◆ 698-CAT24C16WI-G	CAT24C16WI-G	SOIC-8	16K	2048 x 8	- 40 to + 85	1.8 to 5.5	.46	.37	.35	.32
◆ 698-CAT24C16YI-G	CAT24C16YI-G	TSSOP-8	16K	2048 x 8	- 40 to + 85	1.8 to 5.5	.46	.37	.35	.32
698-CAT24C32LI-G	CAT24C32LI-G	PDIP-8	32K	4096 x 8	- 40 to + 85	1.8 to 5.5	.70	.56	.53	.49
◆ 698-CAT24C32WI-G	CAT24C32WI-G	SOIC-8	32K	4096 x 8	- 40 to + 85	1.8 to 5.5	.66	.53	.50	.46
◆ 698-CAT24C32YI-G	CAT24C32YI-G	TSSOP-8	32K	4096 x 8	- 40 to + 85	1.8 to 5.5	.66	.53	.50	.46
698-CAT24C64LI-G	CAT24C64LI-G	PDIP-8	64K	8192 x 8	- 40 to + 85	1.8 to 5.5	.84	.67	.63	.59
◆ 698-CAT24C64WI-G	CAT24C64WI-G	SOIC-8	64K	8192 x 8	- 40 to + 85	1.8 to 5.5	.80	.64	.60	.56
◆ 698-CAT24C64YI-G	CAT24C64YI-G	TSSOP-8	64K	8192 x 8	- 40 to + 85	1.8 to 5.5	.80	.64	.60	.56
698-CAT24C128LI-G	CAT24C128LI-G	PDIP-8	128K	16384 x 8	- 40 to + 85	1.8 to 5.5	1.14	.91	.86	.80
◆ 698-CAT24C128WI-G	CAT24C128WI-G	SOIC-8	128K	16384 x 8	- 40 to + 85	1.8 to 5.5	1.10	.88	.83	.77
698-CAT24C256LI-G	CAT24C256LI-G	PDIP-8	256K	32768 x 8	- 40 to + 85	1.8 to 5.5	1.74	1.39	1.31	1.22
◆ 698-CAT24C256WI-G	CAT24C256WI-G	SOIC-8	256K	32768 x 8	- 40 to + 85	1.8 to 5.5	1.70	1.36	1.28	1.19
◆ 698-CAT24C256XI-G	CAT24C256XI-G	SOIC-8	256K	32768 x 8	- 40 to + 85	1.8 to 5.5	1.70	1.36	1.28	1.19

CATALYST MICROWIRE BUS (3-WIRE)

These Microwire Serial EEPROMs are configured as either registers of 16 bits (ORG pin at VCC) or 8 bits (ORG pin at GND). Each register can be written (or read) serially by using the DI (or DO) pin. They are manufactured using Catalyst's advanced CMOS EEPROM floating gate technology. The devices are designed to endure 1,000,000 program/erase cycles and has a data retention of 100 years.

Features:

- High speed operation: 1MHz
- Low power CMOS technology
- 1.8 to 6.0 volt operation
- Selectable x8 or x16 memory organization
- Self-timed write cycle with auto-clear
- Hardware and software write protection
- Power-up inadvertant write protection
- 1,000,000 Program/erase cycles
- 100 year data retention
- Sequential read

RoHS Compliant

◆ Surface Mount

For quantities of 500 and up, call for quote.

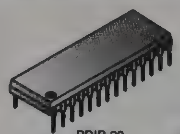
MOUSER STOCK NO.	Catalyst Stock No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Price Each			
							1	25	100	250
698-CAT93C46LI-G	CAT93C46LI-G	PDIP-8	1K	128 x 8/64 x 16	- 40 to + 85	2.5 to 5.5	.34	.27	.26	.24
◆ 698-CAT93C46VI-G	CAT93C46VI-G	SOIC-8	1K	128 x 8/64 x 16	- 40 to + 85	2.5 to 5.5	.30	.24	.23	.21
◆ 698-CAT93C46WI-G	CAT93C46WI-G	SOIC-8	1K	128 x 8/64 x 16	- 40 to + 85	2.5 to 5.5	.30	.24	.23	.21
◆ 698-CAT93C46YI-G	CAT93C46YI-G	TSSOP-8	1K	128 x 8/64 x 16	- 40 to + 85	2.5 to 5.5	.30	.24	.23	.21
698-CAT93C56LI-G	CAT93C56LI-G	PDIP-8	2K	256x8/128x16	- 40 to + 85	2.5 to 5.5	.38	.30	.29	.27
◆ 698-CAT93C56VI-G	CAT93C56VI-G	SOIC-8	2K	256x8/128x16	- 40 to + 85	2.5 to 5.5	.34	.27	.26	.24
◆ 698-CAT93C56WI-G	CAT93C56WI-G	SOIC-8	2K	256x8/128x16	- 40 to + 85	2.5 to 5.5	.34	.27	.26	.24
◆ 698-CAT93C56YI-G	CAT93C56YI-G	TSSOP-8	2K	256x8/128x16	- 40 to + 85	2.5 to 5.5	.34	.27	.26	.24
698-CAT93C66LI-G	CAT93C66LI-G	PDIP-8	4K	512x8/256x16	- 40 to + 85	2.5 to 5.5	.40	.32	.30	.28
◆ 698-CAT93C66VI-G	CAT93C66VI-G	SOIC-8	4K	512x8/256x16	- 40 to + 85	2.5 to 5.5	.36	.29	.27	.25
◆ 698-CAT93C66WI-G	CAT93C66WI-G	SOIC-8	4K	512x8/256x16	- 40 to + 85	2.5 to 5.5	.36	.29	.27	.25
◆ 698-CAT93C66YI-G	CAT93C66YI-G	TSSOP-8	4K	512x8/256x16	- 40 to + 85	2.5 to 5.5	.36	.29	.27	.25
698-CAT93C86LI-G	CAT93C86LI-G	PDIP-8	8K	2048x8/1024x16	- 40 to + 85	2.5 to 5.5	.46	.37	.35	.32
◆ 698-CAT93C86VI-G	CAT93C86VI-G	SOIC-8	8K	2048x8/1024x16	- 40 to + 85	2.5 to 5.5	.42	.34	.32	.29

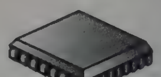
CATALYST Serial and Parallel EEPROMs

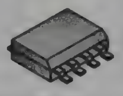
CATALYST
SEMICONDUCTOR, INC.

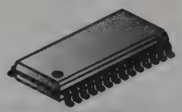
RoHS Compliant This page of product is compliant.

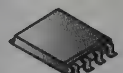
PDIP-8

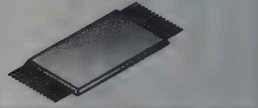

PDIP-28


PLCC-32


SOIC-8


SOIC-28


TSSOP-8


TSOP-28

CATALYST SPI BUS WITH LOW STANDBY CURRENT (MOTOROLA COMPATIBLE)

These SPI Serial CMOS EEPROMs use Catalyst's advanced CMOS Technology that substantially reduces device power requirements. They operate via the SPI bus serial interface and is enabled though a Chip Select (CS). In addition to the Chip Select, the clock input (SCK), data in (SI) and data out (SO) are required to access the device. The HOLD pin may be used to suspend any serial communication without resetting the serial sequence.

Features:

- 10 MHz SPI compatible
- 1.8 to 5.5 volt operation
- Hardware and software protection
- Low power CMOS technology
- SPI modes (0,0 & 1,1)
- 1,000,000 program/erase cycles
- 100 year data retention
- Self-timed write cycle
- 16-byte page write buffer
- Block write protection – Protect 1/4, 1/2 or all of EEPROM array

RoHS Compliant

◆ **Surface Mount**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Catalyst Stock No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Price Each			
							1	25	100	250
698-CAT25010LI-G	CAT25010LI-G	PDIP-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.40	.32	.30	.28
◆ 698-CAT25010VI-G	CAT25010VI-G	SOIC-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.36	.29	.27	.25
◆ 698-CAT25010YI-G	CAT25010YI-G	TSSOP-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.36	.29	.27	.25
698-CAT25020LI-G	CAT25020LI-G	PDIP-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.46	.37	.35	.32
◆ 698-CAT25020VI-G	CAT25020VI-G	SOIC-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.42	.34	.32	.29
◆ 698-CAT25020YI-G	CAT25020YI-G	TSSOP-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.42	.34	.32	.29
698-CAT25040LI-G	CAT25040LI-G	PDIP-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.52	.42	.39	.36
◆ 698-CAT25040VI-G	CAT25040VI-G	SOIC-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.48	.38	.36	.34
◆ 698-CAT25040YI-G	CAT25040YI-G	TSSOP-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.48	.38	.36	.34
698-CAT25080LI-G	CAT25080LI-G	PDIP-8	8K	1024 x 8	- 40 to + 85	1.8 to 5.5	.52	.42	.39	.36
◆ 698-CAT25080VI-G	CAT25080VI-G	SOIC-8	8K	1024 x 8	- 40 to + 85	1.8 to 5.5	.48	.38	.36	.34
◆ 698-CAT25080YI-G	CAT25080YI-G	TSSOP-8	8K	1024 x 8	- 40 to + 85	1.8 to 5.5	.48	.38	.36	.34
698-CAT25160LI-G	CAT25160LI-G	PDIP-8	16K	2048 x 8	- 40 to + 85	1.8 to 5.5	.56	.45	.42	.39
◆ 698-CAT25160VI-G	CAT25160VI-G	SOIC-8	16K	2048 x 8	- 40 to + 85	1.8 to 5.5	.52	.42	.39	.36
◆ 698-CAT25160YI-G	CAT25160YI-G	TSSOP-8	16K	2048 x 8	- 40 to + 85	1.8 to 5.5	.52	.42	.39	.36
698-CAT25320LI-G	CAT25320LI-G	PDIP-8	32K	4096 x 8	- 40 to + 85	1.8 to 5.5	.78	.62	.59	.55
◆ 698-CAT25320VI-G	CAT25320VI-G	SOIC-8	32K	4096 x 8	- 40 to + 85	1.8 to 5.5	.74	.59	.56	.52
698-CAT25C64LI-G	CAT25C64LI-G	PDIP-8	64K	8192 x 8	- 40 to + 85	2.5 to 5.5	.96	.77	.72	.67
◆ 698-CAT25C64VI-G	CAT25C64VI-G	SOIC-8	64K	8192 x 8	- 40 to + 85	2.5 to 5.5	.92	.74	.69	.64
698-CAT25C128LI-G	CAT25C128LI-G	PDIP-8	128K	16384 x 8	- 40 to + 85	2.5 to 5.5	1.26	1.01	.95	.88
◆ 698-CAT25C128VI-G	CAT25C128VI-G	SOIC-8	128K	16384 x 8	- 40 to + 85	2.5 to 5.5	1.22	.98	.92	.85
698-CAT25C256LI-G	CAT25C256LI-G	PDIP-8	256K	32768 x 8	- 40 to + 85	2.5 to 5.5	1.86	1.49	1.40	1.30
◆ 698-CAT25C256XI-G	CAT25C256XI-G	SOIC-8	256K	32768 x 8	- 40 to + 85	2.5 to 5.5	1.82	1.46	1.37	1.27

CATALYST LOW VOLTAGE, LOW POWER 3.3 VOLT PARALLEL EEPROMS

These low voltage, low power, CMOS parallel EEPROMs organized as 8K x 8-bits or 32K x 8-bits. They require a simple interface for in-system programming. On-chip address and data latches, self-timed write cycle with autoclear and VCC power up/down write protection eliminate additional timing and protection hardware. DATA Polling and Toggle status bit signal the start and end of the selftimed write cycle. Additionally, they feature hardware and software write protection. They are manufactured using Catalyst's advanced CMOS floating gate technology. It is designed to endure 100,000 program/erase cycles and has a data retention of 100 years.

Features:

- 3.0V to 3.6V Supply
- Low Power CMOS Dissipation
- Simple Write Operation: On-Chip Address and Data Latches Self-Timed Write Cycle with Auto-Clear
- Fast Write Cycle Time
- CMOS and TTL Compatible I/O
- Automatic Page Write Operation
- End of Write Detection
- Hardware and Software Write Protection
- 100,000 Program/Erase Cycles
- 100 Year Data Retention

RoHS Compliant

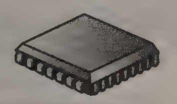
◆ **Surface Mount**

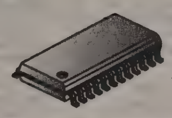
For quantities of 500 and up, call for quote.

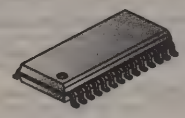
MOUSER STOCK NO.	Catalyst Stock No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Operating Voltage (V)	Price Each			
								1	25	100	250
◆ 698-CAT28LV64L-20	CAT28LV64L-20	PDIP-28	64K	8K x 8	200	0 to 70	3.0 to 3.6	4.44	3.55	3.33	3.11
698-CAT28LV65L-20	CAT28LV65L-20	PDIP-28	64K	8K x 8	200	0 to 70	3.0 to 3.6	4.44	3.55	3.33	3.11
698-CAT28LV65LI-20	CAT28LV65LI-20	PDIP-28	64K	8K x 8	200	-40 to +85	3.0 to 3.6	4.70	3.76	3.53	3.29
◆ 698-CAT28LV64G-20	CAT28LV64G-20	PLCC-32	64K	8K x 8	200	0 to 70	3.0 to 3.6	4.44	3.55	3.33	3.11
◆ 698-CAT28LV65G-20	CAT28LV65G-20	PLCC-32	64K	8K x 8	200	0 to 70	3.0 to 3.6	4.44	3.55	3.33	3.11
◆ 698-CAT28LV65W-20	CAT28LV65W-20	SOIC-28	64K	8K x 8	200	0 to 70	3.0 to 3.6	4.44	3.55	3.33	3.11
◆ 698-CAT28LV64H13-20	CAT28LV64H13-20	TSOP-28	64K	8K x 8	200	0 to 70	3.0 to 3.6	4.94	3.95	3.71	3.46
◆ 698-CAT28LV64H13I-20	CAT28LV64H13I-20	TSOP-28	64K	8K x 8	200	-40 to +85	3.0 to 3.6	5.20	4.16	3.90	3.64
698-CAT28LV64L-25	CAT28LV64L-25	PDIP-28	64K	8K x 8	250	0 to 70	3.0 to 3.6	3.82	3.06	2.87	2.67
698-CAT28LV64LI-25	CAT28LV64LI-25	PDIP-28	64K	8K x 8	250	-40 to +85	3.0 to 3.6	4.06	3.25	3.05	2.84
698-CAT28LV65L-25	CAT28LV65L-25	PDIP-28	64K	8K x 8	250	0 to 70	3.0 to 3.6	3.82	3.06	2.87	2.67
698-CAT28LV65LI-25	CAT28LV65LI-25	PDIP-28	64K	8K x 8	250	-40 to +85	3.0 to 3.6	4.06	3.25	3.05	2.84
◆ 698-CAT28LV64G-25	CAT28LV64G-25	PLCC-32	64K	8K x 8	250	0 to 70	3.0 to 3.6	3.82	3.06	2.87	2.67
◆ 698-CAT28LV64GI-25	CAT28LV64GI-25	PLCC-32	64K	8K x 8	250	-40 to +85	3.0 to 3.6	4.06	3.25	3.05	2.84
◆ 698-CAT28LV65G-25	CAT28LV65G-25	PLCC-32	64K	8K x 8	250	0 to 70	3.0 to 3.6	3.82	3.06	2.87	2.67
◆ 698-CAT28LV65GI-25	CAT28LV65GI-25	PLCC-32	64K	8K x 8	250	-40 to +85	3.0 to 3.6	4.06	3.25	3.05	2.84
◆ 698-CAT28LV65W-25	CAT28LV65W-25	SOIC-28	64K	8K x 8	250	0 to 70	3.0 to 3.6	3.82	3.06	2.87	2.67
◆ 698-CAT28LV64H13-25	CAT28LV64H13-25	TSOP-28	64K	8K x 8	250	0 to 70	3.0 to 3.6	4.32	3.46	3.24	3.02
698-CAT28LV256L-25	CAT28LV256L-25	PDIP-28	256K	32K x 8	250	0 to 70	3.0 to 3.6	7.14	5.71	5.36	5.00
698-CAT28LV256LI-25	CAT28LV256LI-25	PDIP-28	256K	32K x 8	250	-40 to +85	3.0 to 3.6	7.38	5.90	5.54	5.17
◆ 698-CAT28LV256G-25	CAT28LV256G-25	PLCC-32	256K	32K x 8	250	0 to 70	3.0 to 3.6	7.14	5.71	5.36	5.00
◆ 698-CAT28LV256GI-25	CAT28LV256GI-25	PLCC-32	256K	32K x 8	250	-40 to +85	3.0 to 3.6	7.38	5.90	5.54	5.17
◆ 698-CAT28LV256H13I25	CAT28LV256H13I25	TSOP-28	256K	32K x 8	250	-40 to +85	3.0 to 3.6	7.88	6.30	5.91	5.52

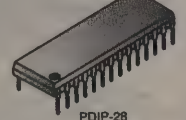
CATALYST Parallel EEPROMs

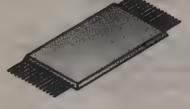
This page of product is compliant.

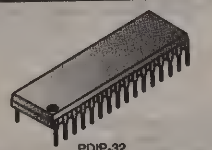

PLCC-32

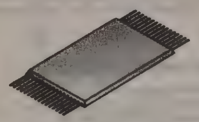

SOIC-24


SOIC-28


PDIP-28


TSOP-28


PDIP-32


TSOP-32

CATALYST LOW POWER 5.0 VOLT PARALLEL EEPROMS

These are fast, low power, 5V-only CMOS Parallel EEPROMs organized as 2K x 8-bits, 8K x 8-bits, 32K x 8-bits or 64K x 8-bits. They require a simple interface for in-system programming. On-chip address and data latches, self-timed write cycle with auto-clear and VCC power up/down write protection eliminate additional timing and protection hardware. DATA Polling signals the start and end of the self-timed write cycle. They also feature hardware write protection. They are manufactured using Catalyst's advanced CMOS floating gate technology. They are designed to endure 10,000 program/erase cycles and has a data retention of 10 years.

Features:

- Fast read access times
- Low power CMOS dissipation
- Simple write operation:
  - On-chip address and data latches
  - Self-timed write cycle with auto-clear
- Fast write cycle time: 5ms max.
- CMOS and TTL compatible I/O
- Hardware and software write protection
- Automatic page write operation
- End of write detection
- 100,000 program/erase cycles
- 100 year data retention

RoHS Compliant

◆ Surface Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Catalyst Stock No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Operating Voltage (V)	Price Each			
								1	25	100	250
◆ 698-CAT28C16AGI-90	CAT28C16AGI-90	PLCC-32	16K	2K x 8	90	-40 to +85	4.5 to 5.5	3.32	2.66	2.49	2.32
◆ 698-CAT28C16AWI-90	CAT28C16AWI-90	SOIC-24	16K	2K x 8	90	-40 to +85	4.5 to 5.5	3.62	2.90	2.72	2.53
◆ 698-CAT28C16AXI-90	CAT28C16AXI-90	SOIC-24	16K	2K x 8	90	-40 to +85	4.5 to 5.5	3.62	2.90	2.72	2.53
◆ 698-CAT28C16AG-20	CAT28C16AG-20	PLCC-32	16K	2K x 8	200	0 to 70	4.5 to 5.5	2.60	2.08	1.95	1.82
◆ 698-CAT28C16AGI-20	CAT28C16AGI-20	PLCC-32	16K	2K x 8	200	-40 to +85	4.5 to 5.5	2.88	2.30	2.16	2.02
◆ 698-CAT28C16AW-20	CAT28C16AW-20	SOIC-24	16K	2K x 8	200	0 to 70	4.5 to 5.5	2.88	2.30	2.16	2.02
◆ 698-CAT28C16AWI-20	CAT28C16AWI-20	SOIC-24	16K	2K x 8	200	-40 to +85	4.5 to 5.5	3.14	2.51	2.36	2.20
◆ 698-CAT28C16AX-20	CAT28C16AX-20	SOIC-24	16K	2K x 8	200	0 to 70	4.5 to 5.5	2.88	2.30	2.16	2.02
◆ 698-CAT28C16AXI-20	CAT28C16AXI-20	SOIC-24	16K	2K x 8	200	-40 to +85	4.5 to 5.5	3.14	2.51	2.36	2.20
◆ 698-CAT28C64BG-90	CAT28C64BG-90	PLCC-32	64K	8K x 8	90	0 to 70	4.5 to 5.5	3.16	2.53	2.37	2.21
◆ 698-CAT28C64BGI-90	CAT28C64BGI-90	PLCC-32	64K	8K x 8	90	-40 to +85	4.5 to 5.5	3.36	2.69	2.52	2.35
◆ 698-CAT28C64BW-90	CAT28C64BW-90	SOIC-28	64K	8K x 8	90	0 to 70	4.5 to 5.5	3.56	2.85	2.67	2.49
◆ 698-CAT28C64BWI-90	CAT28C64BWI-90	SOIC-28	64K	8K x 8	90	-40 to +85	4.5 to 5.5	3.76	3.01	2.82	2.63
◆ 698-CAT28C64BXI-90	CAT28C64BXI-90	SOIC-28	64K	8K x 8	90	-40 to +85	4.5 to 5.5	3.76	3.01	2.82	2.63
698-CAT28C64BL-90	CAT28C64BL-90	PDIP-28	64K	8K x 8	90	0 to 70	4.5 to 5.5	3.16	2.53	2.37	2.21
698-CAT28C64BLI-90	CAT28C64BLI-90	PDIP-28	64K	8K x 8	90	-40 to +85	4.5 to 5.5	3.36	2.69	2.52	2.35
698-CAT28C64BL-12	CAT28C64BL-12	PDIP-28	64K	8K x 8	120	0 to 70	4.5 to 5.5	3.06	2.45	2.30	2.14
698-CAT28C64BLI-12	CAT28C64BLI-12	PDIP-28	64K	8K x 8	120	-40 to +85	4.5 to 5.5	3.26	2.61	2.45	2.28
◆ 698-CAT28C64BG-12	CAT28C64BG-12	PLCC-32	64K	8K x 8	120	0 to 70	4.5 to 5.5	3.06	2.45	2.30	2.14
◆ 698-CAT28C64BGI-12	CAT28C64BGI-12	PLCC-32	64K	8K x 8	120	-40 to +85	4.5 to 5.5	3.26	2.61	2.45	2.28
◆ 698-CAT28C64BW-12	CAT28C64BW-12	SOIC-28	64K	8K x 8	120	0 to 70	4.5 to 5.5	3.46	2.77	2.60	2.42
◆ 698-CAT28C64BWI-12	CAT28C64BWI-12	SOIC-28	64K	8K x 8	120	-40 to +85	4.5 to 5.5	3.66	2.93	2.75	2.56
◆ 698-CAT28C64BX-12	CAT28C64BX-12	SOIC-28	64K	8K x 8	120	0 to 70	4.5 to 5.5	3.46	2.77	2.60	2.42
◆ 698-CAT28C64BXI-12	CAT28C64BXI-12	SOIC-28	64K	8K x 8	120	-40 to +85	4.5 to 5.5	3.66	2.93	2.75	2.56
◆ 698-CAT28C64BH13-12	CAT28C64BH13-12	TSOP-28	64K	8K x 8	120	0 to 70	4.5 to 5.5	3.46	2.77	2.60	2.42
698-CAT28C256L-12	CAT28C256L-12	PDIP-28	256K	32K x 8	120	0 to 70	4.5 to 5.5	5.00	4.00	3.75	3.50
698-CAT28C256LI-12	CAT28C256LI-12	PDIP-28	256K	32K x 8	120	-40 to +85	4.5 to 5.5	5.20	4.16	3.90	3.64
◆ 698-CAT28C256G-12	CAT28C256G-12	PLCC-32	256K	32K x 8	120	0 to 70	4.5 to 5.5	5.00	4.00	3.75	3.50
◆ 698-CAT28C256GI-12	CAT28C256GI-12	PLCC-32	256K	32K x 8	120	-40 to +85	4.5 to 5.5	5.20	4.16	3.90	3.64
◆ 698-CAT28C256H13-12	CAT28C256H13-12	TSOP-28	256K	32K x 8	120	0 to 70	4.5 to 5.5	5.40	4.32	4.05	3.78
◆ 698-CAT28C256H13I-12	CAT28C256H13I-12	TSOP-28	256K	32K x 8	120	-40 to +85	4.5 to 5.5	5.60	4.48	4.20	3.92
698-CAT28C256L-15	CAT28C256L-15	PDIP-28	256K	32K x 8	150	0 to 70	4.5 to 5.5	4.90	3.92	3.68	3.43
698-CAT28C256LI-15	CAT28C256LI-15	PDIP-28	256K	32K x 8	150	-40 to +85	4.5 to 5.5	5.10	4.08	3.83	3.57
◆ 698-CAT28C256G-15	CAT28C256G-15	PLCC-32	256K	32K x 8	150	0 to 70	4.5 to 5.5	4.90	3.92	3.68	3.43
◆ 698-CAT28C256GI-15	CAT28C256GI-15	PLCC-32	256K	32K x 8	150	-40 to +85	4.5 to 5.5	5.10	4.08	3.83	3.57
◆ 698-CAT28C256H13I-15	CAT28C256H13I-15	TSOP-28	256K	32K x 8	150	-40 to +85	4.5 to 5.5	5.50	4.40	4.13	3.85
698-CAT28C512LI-12	CAT28C512LI-12	PDIP-32	512K	64K x 8	120	-40 to +85	4.5 to 5.5	15.96	12.77	11.97	11.17
◆ 698-CAT28C512G-12	CAT28C512G-12	PLCC-32	512K	64K x 8	120	0 to 70	4.5 to 5.5	15.74	12.59	11.81	11.02
◆ 698-CAT28C512GI-12	CAT28C512GI-12	PLCC-32	512K	64K x 8	120	-40 to +85	4.5 to 5.5	15.96	12.77	11.97	11.17
◆ 698-CAT28C512H-12	CAT28C512H-12	TSOP-32	512K	64K x 8	120	0 to 70	4.5 to 5.5	16.18	12.94	12.14	11.33
◆ 698-CAT28C512HI-12	CAT28C512HI-12	TSOP-32	512K	64K x 8	120	-40 to +85	4.5 to 5.5	16.40	13.12	12.30	11.48
698-CAT28C512L-15	CAT28C512L-15	PDIP-32	512K	64K x 8	150	0 to 70	4.5 to 5.5	15.62	12.50	11.72	10.93
698-CAT28C512LI-15	CAT28C512LI-15	PDIP-32	512K	64K x 8	150	-40 to +85	4.5 to 5.5	15.84	12.67	11.88	11.09
◆ 698-CAT28C512G-15	CAT28C512G-15	PLCC-32	512K	64K x 8	150	0 to 70	4.5 to 5.5	15.62	12.50	11.72	10.93
◆ 698-CAT28C512GI-15	CAT28C512GI-15	PLCC-32	512K	64K x 8	150	-40 to +85	4.5 to 5.5	15.84	12.67	11.88	11.09

CATALYST Flash Memory and NVRAM

CATALYST SEMICONDUCTOR, INC.

RoHS Compliant **This page of product is compliant.**

The CAT28F001 is a high speed 128K X 8 bit electrically erasable and reprogrammable Flash memory ideally suited for applications requiring in-system or after sale code updates.

The CAT28F001 has a blocked architecture with one 8 KB Boot Block, two 4 KB Parameter Blocks and one 112 KB Main Block. The Boot Block section can be at the top or bottom of the memory map and includes a reprogramming write lock out feature to guarantee data integrity. It is designed to contain secure code which will bring up the system minimally and download code to other locations of CAT28F001.

The CAT28F001 is designed with a signature mode which allows the user to identify the IC manufacturer and device type. The CAT28F001 is also designed with on-Chip Address Latches, Data Latches, Programming and Erase Algorithms.

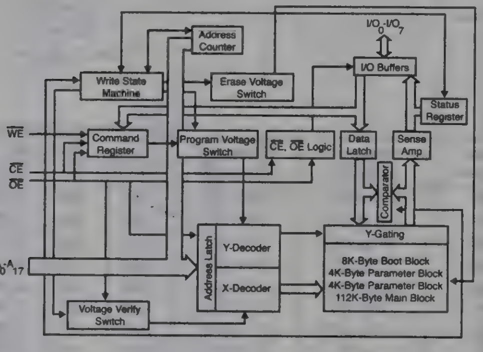
The CAT28F001 is manufactured using Catalyst's advanced CMOS floating gate technology. It is designed to endure 100,000 program/erase cycles and has a data retention of 10 years. The device is available in JEDEC approved 32-pin plastic DIP, PLCC or TSOP packages.

FEATURES: CAT28F001 SERIES

Boot Block Flash Memory

- Fast Read Access Time: 70/90/120/150 ns
- On-Chip Address and Data Latches
- Blocked Architecture:
  - One 8 KB Boot Block w/ Lock Out
  - Top or Bottom Locations
  - Two 4 KB Parameter Blocks
  - One 112 KB Main Block
- Low Power CMOS Operation
- 12.0V ± 5% Programming and Erase Voltage
- Automated Program & Erase Algorithms
- High Speed Programming
- Commercial, Industrial and Automotive
- Temperature Ranges
- Deep Powerdown Mode:
  - 0.05 mA ICC Typical
  - 0.8 mA IPP Typical
- Hardware Data Protection
- Electronic Signature
- 100,000 Program/Erase Cycles and 10 Year
- Data Retention
- JEDEC Standard Pinouts:
  - 32 pin DIP
  - 32 pin PLCC
  - 32 pin TSOP
- Reset/Deep Power Down Mode

RoHS Compliant



◆ **Surface Mount Device**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Density	Organization	Temp. Range (°C)	Price Each 1	25	100	250
90 ns Boot Block - 5/12 Volt									
698	CAT28F001L-90B	PDIP-32	1M	128 x 8	0 to 70	7.04	5.63	5.28	4.93
698	CAT28F001LI-90B	PDIP-32	1M	128 x 8	-40 to +85	7.32	5.86	5.49	5.12
698	CAT28F001L-90T	PDIP-32	1M	128 x 8	0 to 70	7.04	5.63	5.28	4.93
698	CAT28F001LI-90T	PDIP-32	1M	128 x 8	-40 to +85	7.32	5.86	5.49	5.12
◆ 698	CAT28F001G-90B	PLCC-32	1M	128 x 8	0 to 70	7.04	5.63	5.28	4.93
◆ 698	CAT28F001GI-90B	PLCC-32	1M	128 x 8	-40 to +85	7.32	5.86	5.49	5.12
◆ 698	CAT28F001G-90T	PLCC-32	1M	128 x 8	0 to 70	7.04	5.63	5.28	4.93
◆ 698	CAT28F001GI-90T	PLCC-32	1M	128 x 8	-40 to +85	7.32	5.86	5.49	5.12
◆ 698	CAT28F001H-90T	TSOP-32	1M	128 x 8	0 to 70	7.74	6.19	5.81	5.42
◆ 698	CAT28F001HI-90T	TSOP-32	1M	128 x 8	-40 to +85	8.02	6.42	6.02	5.61
120 ns Boot Block - 5/12 Volt									
698	CAT28F001L-12B	PDIP-32	1M	128 x 8	0 to 70	6.76	5.41	5.07	4.73
698	CAT28F001LI-12B	PDIP-32	1M	128 x 8	-40 to +85	7.04	5.63	5.28	4.93
698	CAT28F001L-12T	PDIP-32	1M	128 x 8	0 to 70	6.76	5.41	5.07	4.73
698	CAT28F001LI-12T	PDIP-32	1M	128 x 8	-40 to +85	7.04	5.63	5.28	4.93
◆ 698	CAT28F001G-12B	PLCC-32	1M	128 x 8	0 to 70	6.76	5.41	5.07	4.73
◆ 698	CAT28F001GI-12B	PLCC-32	1M	128 x 8	-40 to +85	7.04	5.63	5.28	4.93
◆ 698	CAT28F001G-12T	PLCC-32	1M	128 x 8	0 to 70	6.76	5.41	5.07	4.73
◆ 698	CAT28F001GI-12T	PLCC-32	1M	128 x 8	-40 to +85	7.04	5.63	5.28	4.93
◆ 698	CAT28F001H-12T	TSOP-32	1M	128 x 8	0 to 70	7.60	6.08	5.70	5.32
◆ 698	CAT28F001HI-12T	TSOP-32	1M	128 x 8	-40 to +85	7.88	6.30	5.91	5.52

CAT28Fxxx Series electrically erasable and reprogrammable Flash memory is ideally suited for applications requiring in-system or after-sale code updates. Electrical erasure of the full memory contents is achieved typically within 0.5 second.

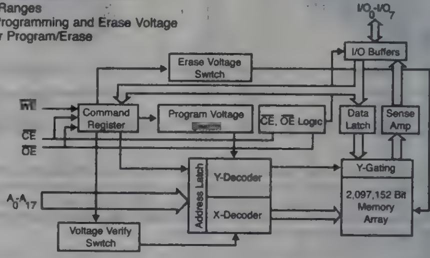
It is pin and Read timing compatible with standard EPROM and E2PROM devices. Programming and Erase are performed through an operation and verify algorithm. The instructions are input via the I/O bus, using a two write cycle scheme. Address and Data are latched to free the I/O bus and address bus during the write operation.

FEATURES: CAT28Fxxx SERIES

Bulk Erase Flash Memory

- Fast Read Access Time: 90/120/150 ns
- Low Power CMOS Dissipation:
  - Active: 30 mA max (CMOS/TTL levels)
  - Standby: 1 mA max (TTL levels)
  - Standby: 100 mA max (CMOS levels)
- High Speed Programming:
  - 10 ms per byte
  - 1 Sec Typ Chip Program*
- Commercial, Industrial and Automotive
- Temperature Ranges
- 12.0V ± 5% Programming and Erase Voltage
- Stop Timer for Program/Erase
- On-Chip Address and Data Latches
- Electronic Signature

RoHS Compliant



◆ **Surface Mount Device**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Package	Density	Organization	Temperature Range (°C)	Price Each 1	25	100	250
90 ns Bulk Erase - 5/12 Volt									
698	CAT28F512L-90	PDIP-32	512K	64K x 8	0 to 70	5.48	4.38	4.11	3.84
698	CAT28F512LI-90	PDIP-32	512K	64K x 8	-40 to +85	5.78	4.62	4.34	4.05
698	CAT28F512G-90	PLCC-32	512K	64K x 8	0 to 70	5.48	4.38	4.11	3.84
◆ 698	CAT28F512GI-90	PLCC-32	512K	64K x 8	-40 to +85	5.78	4.62	4.34	4.05
◆ 698	CAT28F512H-90	TSOP-32	512K	64K x 8	0 to 70	6.84	5.47	5.13	4.79
698	CAT28F010L-90	PDIP-32	1M	128K x 8	0 to 70	6.20	4.96	4.65	4.34
698	CAT28F010LI-90	PDIP-32	1M	128K x 8	-40 to +85	6.50	5.20	4.88	4.55
◆ 698	CAT28F010G-90	PLCC-32	1M	128K x 8	0 to 70	6.20	4.96	4.65	4.34
◆ 698	CAT25F010GI-90	PLCC-32	1M	128K x 8	-40 to +85	6.50	5.20	4.88	4.55
◆ 698	CAT28F010H-90	TSOP-32	1M	128K x 8	0 to 70	7.24	5.79	5.43	5.07
◆ 698	CAT28F010HI-90	TSOP-32	1M	128K x 8	-40 to +85	7.54	6.03	5.66	5.28
◆ 698	CAT28F010HRI-90	TSOP-32	1M	128K x 8	-40 to +85	7.54	6.03	5.66	5.28
698	CAT28F020L-90	PDIP-32	2M	256K x 8	0 to 70	8.58	6.86	6.44	6.01
698	CAT28F020LI-90	PDIP-32	2M	256K x 8	-40 to +85	8.86	7.09	6.65	6.20
◆ 698	CAT28F020G-90	PLCC-32	2M	256K x 8	0 to 70	9.04	7.23	6.78	6.33
◆ 698	CAT28F020GI-90	PLCC-32	2M	256K x 8	-40 to +85	9.60	7.68	7.20	6.72
◆ 698	CAT28F020H-90	TSOP-32	2M	256K x 8	0 to 70	9.56	7.65	7.17	6.69
120 ns Bulk Erase - 5/12 Volt									
698	CAT28F512L-12	PDIP-32	512K	64K x 8	0 to 70	5.34	4.27	4.01	3.74
698	CAT28F512LI-12	PDIP-32	512K	64K x 8	-40 to +85	5.64	4.51	4.23	3.95
◆ 698	CAT28F512G-12	PLCC-32	512K	64K x 8	0 to 70	5.64	4.51	4.23	3.95
◆ 698	CAT28F512GI-12	PLCC-32	512K	64K x 8	-40 to +85	5.64	4.51	4.23	3.95
◆ 698	CAT28F512H-12	TSOP-32	512K	64K x 8	0 to 70	5.86	4.69	4.40	4.10
698	CAT28F010L-12	PDIP-32	1M	128K x 8	0 to 70	5.90	4.72	4.43	4.13
698	CAT28F010LI-12	PDIP-32	1M	128K x 8	-40 to +85	6.20	4.96	4.65	4.34
◆ 698	CAT28F010G-12	PLCC-32	1M	128K x 8	0 to 70	5.90	4.72	4.43	4.13
◆ 698	CAT28F010GI-12	PLCC-32	1M	128K x 8	-40 to +85	6.20	4.96	4.65	4.34
◆ 698	CAT28F010H-12	TSOP-32	1M	128K x 8	0 to 70	6.94	5.55	5.21	4.86
◆ 698	CAT28F010HI-12	TSOP-32	1M	128K x 8	-40 to +85	7.24	5.79	5.43	5.07
◆ 698	CAT28F010HR-12	TSOP-32	1M	128K x 8	0 to 70	6.94	5.55	5.21	4.86
◆ 698	CAT28F010HRI-12	TSOP-32	1M	128K x 8	-40 to +85	7.24	5.79	5.43	5.07
698	CAT28F020L-12	PDIP-32	2M	256K x 8	0 to 70	8.30	6.64	6.23	5.81
698	CAT28F020LI-12	PDIP-32	2M	256K x 8	-40 to +85	8.58	6.86	6.44	6.01
◆ 698	CAT28F020G-12	PLCC-32	2M	256K x 8	0 to 70	8.30	6.64	6.23	5.81
◆ 698	CAT28F020GI-12	PLCC-32	2M	256K x 8	-40 to +85	8.58	6.86	6.44	6.01
◆ 698	CAT28F020H-12	TSOP-32	2M	256K x 8	0 to 70	9.28	7.42	6.96	6.50
◆ 698	CAT28F020HI-12	TSOP-32	2M	256K x 8	-40 to +85	9.50	7.65	7.17	6.69
◆ 698	CAT28F020HR-12	TSOP-32	2M	256K x 8	0 to 70	9.28	7.42	6.96	6.50
◆ 698	CAT28F020HRI-12	TSOP-32	2M	256K x 8	-40 to +85	9.50	7.65	7.17	6.69

CATALYST NVRAM

Features:

- Single 5V supply
- Infinite EEPROM to RAM recall
- CMOS and TTL Compatible I/O
- Power up/down protection
- 10 year data retention
- 100,000 Program/Erase cycles (EEPROM)
- Commercial, industrial, and automotive temperature ratings
- JEDEC Standard Pinouts: 18-pin DIP and 16-pin SOIC (CAT22C10)
- Low CMOS Power Consumption: Active - 40mA max., Standby: 30µA max.
- Fast RAM access times (CAT22C10): 200ns, 300ns

◆ **Surface Mount Device**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Operating Voltage (V)	Price Each 1	25	100	250
◆ 698	CAT22C10WI-20	SOIC-16	256	64 x 8	200	- 40 to + 85	4.5 to 5.5	3.76	3.01	2.82	2.63
698	CAT22C10L-20	PDIP-18	256	64 x 8	200	0 to 70	4.5 to 5.5	3.52	2.82	2.64	2.46
698	CAT22C10LI-20	PDIP-18	256	64 x 8	200	- 40 to + 85	4.5 to 5.5	3.76	3.01	2.82	2.63
698	CAT22C10LI-30	PDIP-18	256	64 x 8	300	- 40 to + 85	4.5 to 5.5	3.64	2.91	2.73	2.55
698	CAT24C44LI	PDIP-8	1K	128 x 8	- - -	- 40 to + 85	4.5 to 5.5	2.32	1.86	1.74	1.62

PDIP-18

RoHS Compliant

SOIC-16

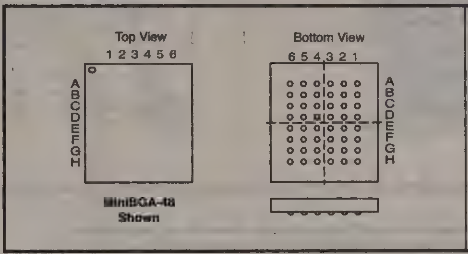
ISSI SRAM and DRAM

**Products may be RoHS compliant.
Check mouser.com for RoHS status.**

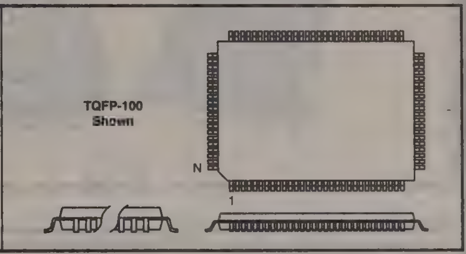
Integrated Silicon Solution, Inc. (ISSI), a technology leader, designs, develops and markets high performance integrated circuits for the following key markets: digital consumer electronics, networking, mobile communications and automotive electronics. Their primary products are high speed and low power SRAM and low & medium density DRAM. They also design and market EEPROM and Smartcards and are developing selected non-memory products focused on their key markets. They target high growth markets with low cost, high quality semiconductor products and seek to build long-term relationships with their customers. They have been a committed long-term supplier of memory products, including lower density and smaller volume products, even through periods of tight manufacturing capacity.

STATIC RAMS, SURFACE MOUNT

Asynchronous SRAM is an electronic logic circuit in which logical operations are not performed under the control of a clock signal with the result that logic transitions do not occur (nominally) simultaneously. In Asynchronous SRAMs, transitions may follow one another with minimum delay but at some cost in circuit complexity and risk of incorrect operation. Synchronous SRAM is an electronic logic circuit to which logical operations are performed under the control of and hence in synchronism with an externally generated clock signal.



MiniBGA-48 Shown



TQFP-100 Shown

RoHS Compliant
* Unless otherwise noted

Asynchronous SRAM

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ISSI Part No.	RoHS * Compliant	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each			
									1	25	100	500
High Speed												
870-IS61C256AL-12JLI	IS61C256AL-12JLI	Yes	SOJ-28	256K	32K x 8	12	- 40 to + 85	5	1.34	1.21	1.07	.94
870-IS61C256AL-12TLI	IS61C256AL-12TLI	Yes	TSOP I-28	256K	32K x 8	12	- 40 to + 85	5	1.34	1.21	1.07	.94
870IS61C1024AL12JLI	IS61C1024AL-12JLI	Yes	SOJ-32 (300mil)	1M	128K x 8	12	- 40 to + 85	5	2.60	2.34	2.08	1.82
870IS61C1024AL12KLI	IS61C1024AL-12KLI	Yes	SOJ-32 (400mil)	1M	128K x 8	12	- 40 to + 85	5	2.60	2.34	2.08	1.82
Low Power												
870-IS62C256AL-45ULI	IS62C256AL-45ULI	Yes	SOP-28	256K	32K x 8	45	- 40 to + 85	5	1.34	1.21	1.07	.94
870IS62C1024AL35QLI	IS62C1024AL-35QLI	Yes	SOP-32 (300mil)	1M	128K x 8	35	- 40 to + 85	5	2.60	2.34	2.08	1.82
870IS62C1024AL35TLI	IS62C1024AL-35TLI	Yes	TSOP I-32	1M	128K x 8	35	- 40 to + 85	5	2.60	2.34	2.08	1.82
High Speed/Low Power												
870-IS61LV256AL10JLI	IS61LV256AL-10JLI	Yes	SOJ-28	256K	32K x 8	10	- 40 to + 85	3.3	1.34	1.21	1.07	.94
870-IS61LV256AL10TLI	IS61LV256AL-10TLI	Yes	TSOP I-28	256K	32K x 8	10	- 40 to + 85	3.3	1.34	1.21	1.07	.94
870-IS61LV6416-10TL	IS61LV6416-10TL	Yes	TSOP II-44	1M	64K x 16	10	0 to 70	3.3	2.54	2.29	2.03	1.78
87061WV6416BLL12TLI	IS61WV6416BLL-12TLI	Yes	TSOP II-44	1M	64K x 16	12	- 40 to + 85	3.3	2.30	2.07	1.84	1.61
870-IS63LV1024L-12JL	IS63LV1024L-12JL	Yes	SOJ-32 (300mil)	1M	128K x 8	12	0 to 70	3.3	2.62	2.36	2.10	1.83
870IS61LV12816L10BLI	IS61LV12816L-10BLI	Yes	mBGA-48	2M	128K x 16	10	0 to 70	3.3	5.42	4.88	4.34	3.79
870IS61LV12816L10TL	IS61LV12816L-10TL	Yes	TSOP II-44	2M	128K x 16	10	0 to 70	3.3	4.96	4.46	3.97	3.47
87061LV25616AL10BLI	IS61LV25616AL-10BLI	Yes	mBGA-48	4M	256K x 16	10	- 40 to + 85	3.3	5.64	5.08	4.51	3.95
870IS61LV25616AL10TL	IS61LV25616AL-10TL	Yes	TSOP II-44	4M	256K x 16	10	0 to 70	3.3	5.28	4.75	4.22	3.70
870IS61LV5128AL10TLI	IS61LV5128AL-10TLI	Yes	TSOP II-44	4M	512K x 8	10	- 40 to + 85	3.3	5.50	4.95	4.40	3.85
Powersaver™ Low Power												
870IS62LV256AL45TLI	IS62LV256AL-45TLI	Yes	TSOP I-28	256K	32K x 8	45	0 to 70	3.3	1.34	1.21	1.07	.94
87062WV1288BLL55HLI	IS62WV1288BLL-55HLI	Yes	sTSOP I-32	1M	128K x 8	55	- 40 to + 85	2.5 - 3.6	2.00	1.80	1.60	1.40
87062WV12816BLL55TLI	IS62WV12816BLL-55TLI	Yes	TSOP II-44	2M	128K x 16	55	- 40 to + 85	2.5 - 3.6	3.00	2.70	2.40	2.10
87062WV25616BLL55BLI	IS62WV25616BLL-55BLI	Yes	mBGA-48	4M	256K x 16	55	- 40 to + 85	2.5 - 3.6	6.30	5.67	5.04	4.41
87062WV25616BLL55TLI	IS62WV25616BLL-55TLI	Yes	TSOP II-44	4M	256K x 16	55	- 40 to + 85	2.5 - 3.6	6.30	5.67	5.04	4.41
87062WV51216BLL55TLI	IS62WV51216BLL-55TLI	Yes	TSOP II-44	8M	512K x 16	55	- 40 to + 85	2.5 - 3.6	10.00	9.00	8.00	7.00

Synchronous SRAM

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ISSI Part No.	RoHS * Compliant	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each			
									1	25	100	500
Pipelined and Flow-Thru												
870LPS12836A200TQLI	IS61LPS12836A-200TQLI	Yes	TQFP-100	4M	128K x 36	200	- 40 to + 85	3.3	12.00	10.80	9.60	8.40
870LPS25636A200TQLI	IS61LPS25636A-200TQLI	Yes	TQFP-100	8M	256K x 36	200	- 40 to + 85	3.3	24.00	21.60	19.20	16.80
No-Wait												
87061NLP51236200TQLI	IS61NLP51236-200TQLI	Yes	TQFP-100	18M	512K x 36	200	- 40 to + 85	3.3	36.00	32.40	28.80	25.20
87061NLP102418200TQ	IS61NLP102418-200TQ	No	TQFP-100	18M	1M x 18	200	0 to 70	3.3	36.00	32.40	28.80	25.20

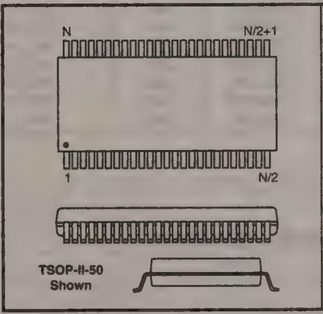
DYNAMIC RAM (DRAM): SDR (SINGLE DATA RATE) SYNCHRONOUS, SURFACE MOUNT

ISSI's offers a wide variety of Dynamic RAM (DRAM). DRAM is a form of volatile memory in which stored information is degraded with time. They include EDO (Extended Data Out)/FPM (Fast Page Output) DRAMs, SDRAMs (Synchronous Dynamic Random Access Memory) and DDR I (Double Data Rate 1 Synchronous Dynamic Random Access Memory) synchronous DRAMs. They achieve a high-speed data transfer using pipeline architecture. All input and output signals refer to the rising edge of the clock input.

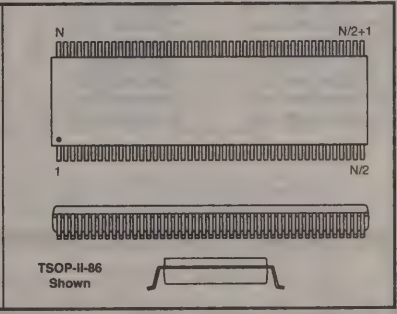
Features:

- Fully synchronous operation
- Internal bank for hiding row access/precharge
- Programmable burst length - (1, 2, 4, 8 or full page)
- Random column address every clock cycle
- Burst termination by burst stop and precharge command

RoHS Compliant



TSOP-II-50 Shown



TSOP-II-86 Shown

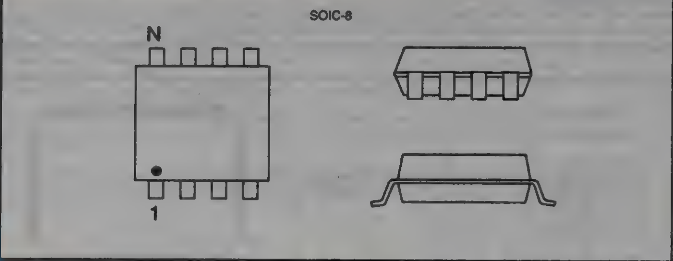
For quantities of 1000 and up, call for quote.

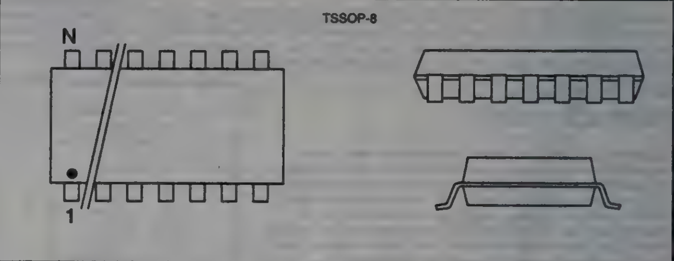
MOUSER STOCK NO.	ISSI Part No.	Case Type	Density	Organization	Freq. (MHz)	Speed (ns)	Temp. Range (°C)	Supply Voltage (V)	Price Each			
									1	25	100	500
870-IS42S16100C1-7TL	IS42S16100C1-7TL	TSOP II-50	16M	512K x 16 x 2 Banks	143	7	0 to 70	2.5	2.10	1.89	1.68	1.47
870-IS42S32200C1-7TL	IS42S32200C1-7TL	TSOP II-86	64M	512K x 32 x 4 Banks	143	7.5	0 to 70	2.5	4.50	4.05	3.60	3.15
870-IS42S16400D-7TL	IS42S16400D-7TL	TSOP II-54	64M	1M x 16 x 4 Banks	143	7	0 to 70	3.3	3.50	3.15	2.80	2.45
870-IS42S32400D-7BL	IS42S32400D-7BL	BGA-90	128M	1M x 32 x 4 Banks	143	7	0 to 70	3.3	3.50	3.15	2.80	2.45
870-IS42S32400D-7TL	IS42S32400D-7TL	TSOP II-54	128M	1M x 32 x 4 Banks	143	7	0 to 70	3.3	9.90	8.91	7.92	6.93
870-IS42S16800D-7TL	IS42S16800D-7TL	TSOP II-54	128M	2M x 16 x 4 Banks	143	7	0 to 70	3.3	7.90	7.11	6.32	5.53
870-IS42S81600D-7TL	IS42S81600D-7TL	TSOP II-54	128M	4M x 8 x 4 Banks	143	7	0 to 70	3.3	6.50	5.85	5.20	4.55
870-IS42S32800B-7BL	IS42S32800B-7BL	BGA-90	256M	2M x 32 x 4 Banks	143	7	0 to 70	3.3	15.00	13.50	12.00	10.50
870-IS42S32800B-7TL	IS42S32800B-7TL	TSOP II-86	256M	2M x 32 x 4 Banks	143	7	0 to 70	3.3	13.00	11.70	10.40	9.10
870-IS42S83200B-7TL	IS42S83200B-7TL	TSOP II-54	256M	8M x 8 x 4 Banks	143	7	0 to 70	3.3	13.00	11.70	10.40	9.10
870-IS42S16160B-7BL	IS42S16160B-7BL	BGA-54	256M	16M x 16 x 4 Banks	143	7	0 to 70	3.3	13.00	11.70	10.40	9.10
870-IS42S16160B-7TL	IS42S16160B-7TL	TSOP II-54	256M	16M x 16 x 4 Banks	143	7	0 to 70	3.3	9.00	8.10	7.20	6.30

ISSI Serial EEPROMS

ISSI

RoHS Compliant This page of product is compliant.


SOIC-8


TSSOP-8

ISSI offers a wide range of Serial EEPROMS. They offer 2-wire Serial Microwire and SPI Bus EEPROMs in a variety of densities and organizations. They maintains compatibility with the popular protocols in the industry so it is easy to use in applications using each of these bus types.

MICROWIRE BUS SERIAL EEPROMS

Features:

- Industry-standard Microwire serial interface
  - Non-volatile data storage
  - Wide operating voltage VCC = 1.8V to 5.5V
  - Full TTL compatible inputs and outputs
  - Auto increment for efficient data pump
- User configured memory organization
  - By 16-bit or by 8-bit
- Hardware and software write protection
  - Defaults to write-disabled state at power-up
  - Software instructions for write-enable/disable
- Enhanced low voltage CMOS E2PROM technology
- Versatile, easy-to-use interface
  - Self-timed programming cycle
  - Auto erase-before-write
  - Programming status indicator
- Durable and reliable
  - 40-year data retention after 1M write cycles

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ISSI Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Price Each			
							1	25	100	500
870-IS93C46D-2GRLI	IS93C46D-2GRLI	SOIC-8	1K	64 x 16/128 x 8	- 40 to + 85	1.8 to 5.5	.26	.23	.21	.18
870-IS93C66A-2GRLI	IS93C66A-2GRLI	SOIC-8	4K	256 x 16/512 x 8	- 40 to + 85	1.8 to 5.5	.32	.29	.26	.22

2-WIRE BUS SERIAL EEPROMS

Features:

- Two wire Serial Interface, I2C Compatible
  - Bi-directional data transfer protocol
- Wide voltage operation
  - VCC = 1.8V to 5.5V
- 400 KHz (2.5V) and 1MHz (5.0V) Compatible
- Low Power CMOS Technology
  - Standby current less than 6 μA (5.0V)
  - Read current less than 2 mA (5.0V)
  - Write current less than 3 mA (5.0V)
- Hardware data protection
  - Write protect pin
- Sequential read feature
- Filtered inputs for noise suppression
- Self time write cycle with auto clear: 5 ms max @ 2.5V

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ISSI Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Price Each			
							1	25	100	500
870-IS24C01B-2GLI	IS24C01B-2GLI	SOIC-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.24	.22	.19	.17
870-IS24C02B-2GLI	IS24C02B-2GLI	SOIC-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.24	.22	.19	.17
870-IS24C02B-2ZLI	IS24C02B-2ZLI	TSSOP-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.26	.23	.21	.18
870-IS24C04A-2GLI	IS24C04A-2GLI	SOIC-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.28	.25	.22	.20
870-IS24C04A-2ZLI	IS24C04A-2ZLI	TSSOP-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.30	.27	.24	.21
870-IS24C08A-2GLI	IS24C08A-2GLI	SOIC-8	8K	1K x 8	- 40 to + 85	1.8 to 5.5	.30	.27	.24	.21
870-IS24C08A-2ZLI	IS24C08A-2ZLI	TSSOP-8	8K	1K x 8	- 40 to + 85	1.8 to 5.5	.32	.29	.26	.22
870-IS24C16A-2GLI	IS24C16A-2GLI	SOIC-8	16K	2K x 8	- 40 to + 85	1.8 to 5.5	.34	.31	.27	.24
870-IS24C16A-2ZLI	IS24C16A-2ZLI	TSSOP-8	16K	2K x 8	- 40 to + 85	1.8 to 5.5	.36	.32	.29	.25
870-IS24C32A-2GLI	IS24C32A-2GLI	SOIC-8	32K	4K x 8	- 40 to + 85	1.8 to 5.5	.42	.38	.34	.29
870-IS24C32A-2ZLI	IS24C32A-2ZLI	TSSOP-8	32K	4K x 8	- 40 to + 85	1.8 to 5.5	.44	.40	.35	.31
870-IS24C64A-2GLI	IS24C64A-2GLI	SOIC-8	64K	8K x 8	- 40 to + 85	1.8 to 5.5	.54	.49	.43	.38
870-IS24C64A-2ZLI	IS24C64A-2ZLI	TSSOP-8	64K	8K x 8	- 40 to + 85	1.8 to 5.5	.56	.50	.45	.39
870-IS24C128-3GLI	IS24C128-3GLI	SOIC-8	128K	16K x 8	-40 to +85	2.5 to 5.5	.78	.70	.62	.55

SPI (SERIAL PERIPHERAL INTERFACE) EEPROMS

- Serial Peripheral Interface (SPI) Compatible
  - Supports SPI Modes 0 (0,0) and 3 (1,1)
- Low voltage operation
  - VCC = 1.8V to 5.5V
- Block Write Protection
  - Protect 1/4, 1/2 or entire array
- Low power CMOS
  - Active current less than 3.0 mA (2.5V)
  - Standby current less than 1 μA (2.5V)
- 8-byte page write mode
  - Partial page writes allowed
- 10 MHz Clock Rate (5V)
- Self-timed write cycles
  - 5ms max. @ 2.5V
- High reliability
  - Endurance: 1 million cycles per byte
  - Data retention: 100 years

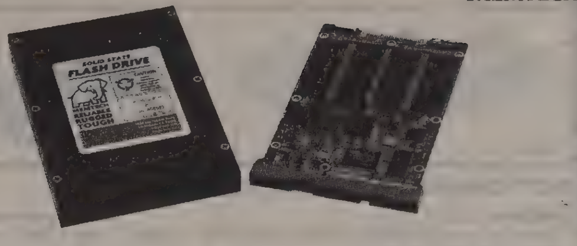
RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ISSI Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Price Each			
							1	25	100	500
870-IS25C01-2GLI	IS25C01-2GLI	SOIC-8	1K	128 x 8	- 40 to + 85	1.8 to 5.5	.26	.23	.21	.18
870-IS25C02-2GLI	IS25C02-2GLI	SOIC-8	2K	256 x 8	- 40 to + 85	1.8 to 5.5	.28	.25	.22	.20
870-IS25C04-2GLI	IS25C04-2GLI	SOIC-8	4K	512 x 8	- 40 to + 85	1.8 to 5.5	.32	.29	.26	.22
870-IS25C08-2GLI	IS25C08-2GLI	SOIC-8	8K	1K x 8	- 40 to + 85	1.8 to 5.5	.36	.32	.29	.25
870-IS25C16-2GLI	IS25C16-2GLI	SOIC-8	16K	2K x 8	- 40 to + 85	1.8 to 5.5	.40	.36	.32	.28
870-IS25C32A-2GLI	IS25C32A-2GLI	SOIC-8	32K	4K x 8	- 40 to + 85	1.8 to 5.5	.48	.43	.38	.34
870-IS25C64A-2GLI	IS25C64A-2GLI	SOIC-8	64K	8K x 8	- 40 to + 85	1.8 to 5.5	.60	.54	.48	.42

MEMTECH Solid State Flash Drives

MEMTECH



Memtech takes storage to the extreme with its ultra rugged and reliable solid state flash drives. Featuring the Kicker™ Hold Up Circuit for unparalleled data security, high write endurance, low profile and cached speeds to deliver high quality solid state flash drive solutions. Its drive products are designed for low power consumption in critical operating conditions, built to withstand extreme temperature, pressure, moisture, shock, vibration and power loss.

Memtech drives are completely solid state, with no moving parts, so there is no mechanism for mechanical wear-out. No special drivers or flash file managers are required to interface the drives Each drive is warranted for 8 years and goes through a rigorous five-step EnduroTest™ procedure.

Memtech drives have been used in combat aircrafts, locomotives, drilling rigs, high altitude balloons, the Space Shuttle and Mars Rover, and in extreme conditions, including in Antarctica, Mount Everest, and for earthquake and undersea exploration.

WOLVERINE IDE

The Wolverine solid-state flash drive is an UDMA-66 compliant IDE memory module offered in an extremely low profile form-factor. The primary storage media in the drive is sector-erasable NAND E2PROMs (Flash). Using these devices, Memtech is able to deliver uncompressed, non-volatile solid-state storage in an extremely small, rugged form-factor.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Cached Read Rate (Mb/s)	Cached Write Rate (Mb/s)	Average Access (ms)	Burst Rate (Mb/s)	Operating Vibration (G)	Erase/Write Cycle Endurance	Operating Temperature (°C)	Price Each
885-AT2550I-1024	AT2550i-1024	2.5"	1GB	26	20	0.1	66	15	8 mil	-40 to 85	607.20
885-AT2550I-2048	AT2550i-2048	2.5"	2GB	26	20	0.1	66	15	8 mil	-40 to 85	923.22
885-AT2550I-4864	AT2550i-4864	2.5"	4.8GB	26	20	0.1	66	15	8 mil	-40 to 85	1,414.40
885-AT2550I-8704	AT2550i-8704	2.5"	8.7GB	26	20	0.1	66	15	8 mil	-40 to 85	1,884.96
885-AT3550I-2048	AT3550i-2048	3.5"	2GB	26	20	0.1	66	20	8 mil	-40 to 85	1,010.48
885-AT3550I-4096	AT3550i-4096	3.5"	4GB	26	20	0.1	66	20	8 mil	-40 to 85	1,245.76
885-AT3550I-6144	AT3550i-6144	3.5"	6GB	26	20	0.1	66	20	8 mil	-40 to 85	1,791.58
885-AT3550I-10240	AT3550i-10240	3.5"	10GB	26	20	0.1	66	20	8 mil	-40 to 85	2,985.52

MUSTANG IDE

The Mustang is the largest capacity 1.8" IDE drive available today. Drives are 100% IDE compatible. It employs sector erasable NAND E2PROMs (Flash) to deliver uncompressed, non-volatile solid state storage in an extremely small, rugged form factor. The drive is implemented using a custom IDE Flash controller with an integrated error detection and correction mechanism and proprietary remapping and wear-leveling technology to greatly improve data reliability. It is ideal for hand-held, portable or embedded applications. Advanced PIO modes and multi sector transfer modes are supported, as well as LBA addressing.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Transfer Read Rate (Mb/s)	Transfer Write Rate (Mb/s)	Random Seek (ms)	Operating Vibration (G)	Operating Shock (G)	Operating Temperature (°C)	Price Each
885-AT1830I-256	AT1830i-256	1.8"	256MB	4	3.5	0.4	15	1000	-40 to 85	153.36
885-AT1830I-512	AT1830i-512	1.8"	512MB	4	3.5	0.4	15	1000	-40 to 85	214.42
885-AT1830I-2048	AT1830i-2048	1.8"	2GB	4	3.5	0.4	15	1000	-40 to 85	575.46

BULLDOG IDE

The AT2515 is a low cost solid-state flash drive in an extremely compact low profile form-factor and exceptional speed. It is completely solid state, with no moving parts. Drives are 100% IDE compatible. The drive is implemented using a custom IDE Flash controller with multi-tasking technology. An integrated 72-bit Reed-Solomon error detection and correction mechanism and proprietary remapping and wear-leveling technology along with a power hold-up circuit greatly improve data reliability. It's cost effectiveness and low-power operation make it ideal for applications requiring high reliability at a low cost.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Sequential Read Rate (Mb/s)	Sequential Write Rate (Mb/s)	Burst Rate (Mb/s)	Operating Vibration (G)	Operating Shock (G)	Operating Temperature (°C)	Price Each
885-AT2515-256	AT2515-256	2.5"	256MB	6	6	16.6	15	1000	0 to 70	109.34
885-AT2515-512	AT2515-512	2.5"	512MB	6	6	16.6	15	1000	0 to 70	127.80
885-AT2515-1024	AT2515-1024	2.5"	1GB	6	6	16.6	15	1000	0 to 70	204.48
885-AT2515-2048	AT2515-2048	2.5"	2GB	6	6	16.6	15	1000	0 to 70	280.14
885-AT2515-4096	AT2515-4096	2.5"	4GB	6	6	16.6	15	1000	0 to 70	434.70
885-AT2515-6144	AT2515-6144	2.5"	6GB	6	6	16.6	15	1000	0 to 70	590.64
885-AT2515-8192	AT2515-8192	2.5"	8GB	6	6	16.6	15	1000	0 to 70	869.40
885-AT3515-256	AT3515-256	3.5"	256MB	6	6	16.6	15	1000	0 to 70	109.34
885-AT3515-512	AT3515-512	3.5"	512MB	6	6	16.6	15	1000	0 to 70	127.80
885-AT3515-1024	AT3515-1024	3.5"	1GB	6	6	16.6	15	1000	0 to 70	204.48
885-AT3515-2048	AT3515-2048	3.5"	2GB	6	6	16.6	15	1000	0 to 70	280.14
885-AT3515-4096	AT3515-4096	3.5"	4GB	6	6	16.6	15	1000	0 to 70	434.70
885-AT3515-6144	AT3515-6144	3.5"	6GB	6	6	16.6	15	1000	0 to 70	590.64
885-AT3515-8192	AT3515-8192	3.5"	8GB	6	6	16.6	15	1000	0 to 70	869.40

STINGER SCSI

The Stinger series is a line of 100% compatible SCSI solid state drives. The Stinger series employs sector erasable NAND E2PROMs (Flash) to deliver uncompressed, non-volatile solid state storage in an extremely small, rugged form factor. Hundreds of transactions occur per second, which is critical in server and high I/O applications. The interface is implemented using a commercially available SCSI peripheral controller with a caching SRAM buffer and a Reed-Solomon error detection and on-the-fly correction mechanism that greatly improves data reliability over other drives. The ECC circuitry, in conjunction with Memtech's proprietary Active Remap™ technology, makes for a virtually bulletproof medium for data storage. All Direct Access Device commands, as well as synchronous data transfers are supported.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Transfer Read Rate (Mb/s)	Transfer Write Rate (Mb/s)	Average Access (ms)	Media Transfer Rate (Mb/s)	Operating Vibration (G)	Operating Shock (G)	Operating Temperature (°C)	Price Each
885-SC2500-256	SC2500-256	2.5"	256MB	1.5	700	0.3	5	15	1000	0 to 70	251.34
885-SC2500-512	SC2500-512	2.5"	512MB	1.5	700	0.3	5	15	1000	0 to 70	301.04
885-SC2500-2048	SC2500-2048	2.5"	2GB	1.5	700	0.3	5	15	1000	0 to 70	666.54

SIDEWINDER SCSI

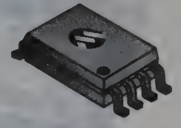
The Sidewinder is a modular, high performance solid state flash drive, designed for implementation on systems conforming to the SCSI-2 standard. Composed of a large array of 1 Gbit NAND E2PROM memories, the Sidewinder series can emulate the storage and retrieval operations of a standard rotating drive, but with faster access, throughput, ruggedness and reliability. The drives can be used in applications with harsh operating conditions critical reliability. All control functions are monitored by the on-board microprocessor. The SCSI-2 interface is implemented using a QLogic FAS209 SCSI controller. The unit responds to all Direct-Access device commands. Data integrity is maintained by error detection logic and Memtech's proprietary Active Remap(TM) technology. Active termination is jumper selectable, as is the unit's SCSI ID.

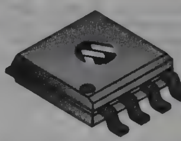
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Transfer Read Rate (Mb/s)	Transfer Write Rate (Mb/s)	Average Access (ms)	Media Transfer Rate (Mb/s)	Operating Vibration (G)	Operating Shock (G)	Operating Temperature (°C)	Price Each
885-SC35-1024	SC35-1024	3.5"	1GB	2.3	1	0.5	8	10	500	0 to 70	554.76
885-SC35-2048	SC35-2048	3.5"	2GB	2.3	1	0.5	8	10	500	0 to 70	794.88
885-SC35-4096	SC35-4096	3.5"	4GB	2.3	1	0.5	8	10	500	0 to 70	1273.74

MICROCHIP Serial EEPROMs

PDIP-8


TSSOP-8


SOIC-8

DFN-8

I2C™ COMPATIBLE SERIAL EEPROM FAMILY

Features:

- Range of packages including 8MF, 8SM, 8SN, ST, 8MS, SOT, and wafer
- Maximum bus speed of 400 kHz
- Operating temperature of -40°C to +85°C
- AA=1.8-5.5V, LC=2.5-5.5V

◆ **Surface Mount Device**

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	25	100
579-24AA00-I/P	24AA00-I/P	PDIP-8	16 byte	128 bit, 1.8V	.36	.21	.20
◆579-24AA00-I/SN	24AA00-I/SN	SOIC-8	16 byte	128 bit, 1.8V	.34	.20	.19
◆579-24AA00T-I/OT	24AA00T-I/OT	SOT-23-5	16 byte	128 bit, 1.8V	.34	.20	.19
◆579-24AA01-I/MS	24AA01-I/MS	MSOP-8	1K	128 x 8, 1.8V	.48	.27	.26
579-24AA01-I/P	24AA01-I/P	PDIP-8	1K	128 x 8, 1.8V	.43	.25	.24
◆579-24AA01-I/SN	24AA01-I/SN	SOIC-8	1K	128 x 8, 1.8V	.41	.23	.22
◆579-24AA01T-I/OT	24AA01T-I/OT	SOT-23-5	1K	128 x 8, 1.8V	.41	.23	.22
◆579-24AA02-I/MS	24AA02-I/MS	MSOP-8	2K	256 x 8, 1.8V	.48	.27	.26
579-24AA02-I/P	24AA02-I/P	PDIP-8	2K	256 x 8, 1.8V	.43	.25	.24
◆579-24AA02-I/SN	24AA02-I/SN	SOIC-8	2K	256 x 8, 1.8V	.41	.23	.22
◆579-24AA02T-I/OT	24AA02T-I/OT	SOT-23-5	2K	256 x 8, 1.8V	.41	.23	.22
◆579-24AA04-I/MS	24AA04-I/MS	MSOP-8	4K	512 x 8, 1.8V	.50	.29	.28
579-24AA04-I/P	24AA04-I/P	PDIP-8	4K	512 x 8, 1.8V	.48	.27	.26
◆579-24AA04-I/SN	24AA04-I/SN	SOIC-8	4K	512 x 8, 1.8V	.43	.25	.24
◆579-24AA04T-I/OT	24AA04T-I/OT	SOT-23-5	4K	512 x 8, 1.8V	.43	.25	.24
◆579-24AA08-I/MS	24AA08-I/MS	MSOP-8	8K	1K x 8, 1.8V	.53	.31	.30
579-24AA08-I/P	24AA08-I/P	PDIP-8	8K	1K x 8, 1.8V	.50	.29	.28
◆579-24AA08-I/SN	24AA08-I/SN	SOIC-8	8K	1K x 8, 1.8V	.48	.27	.26
◆579-24AA08T-I/OT	24AA08T-I/OT	SOT-23-5	8K	1K x 8, 1.8V	.48	.27	.26
◆579-24AA128-I/MF	24AA128-I/MF	DFN (6x5)-8	128K	16K x 8, 1.8V	1.68	.97	.93
◆579-24AA128-I/MS	24AA128-I/MS	MSOP-8	128K	16K x 8, 1.8V	1.18	.68	.65
579-24AA128-I/P	24AA128-I/P	PDIP-8	128K	16K x 8, 1.8V	1.15	.66	.63
◆579-24AA128-I/SN	24AA128-I/SN	SOIC-8	128K	16K x 8, 1.8V	1.10	.64	.61
◆579-24AA16-I/MS	24AA16-I/MS	MSOP-8	16K	2K x 8, 1.8V	.58	.33	.31
579-24AA16-I/P	24AA16-I/P	PDIP-8	16K	2K x 8, 1.8V	.53	.31	.30
◆579-24AA16-I/SN	24AA16-I/SN	SOIC-8	16K	2K x 8, 1.8V	.50	.29	.28
◆579-24AA16T-I/OT	24AA16T-I/OT	SOT-23-5	16K	2K x 8, 1.8V	.50	.29	.28
◆579-24AA256-I/MF	24AA256-I/MF	DFN (6x5)-8	256K	32K x 8, 1.8V	2.26	1.29	1.24
◆579-24AA256-I/MS	24AA256-I/MS	MSOP-8	256K	32K x 8, 1.8V	1.75	1.00	.96
579-24AA256-I/P	24AA256-I/P	PDIP-8	256K	32K x 8, 1.8V	1.70	.98	.94
◆579-24AA256-I/SN	24AA256-I/SN	SOIC-8	256K	32K x 8, 1.8V	1.68	.97	.93
◆579-24AA32A-I/MS	24AA32A-I/MS	MSOP-8	32K	4K x 8, 1.8V	.70	.41	.39
579-24AA32A-I/P	24AA32A-I/P	PDIP-8	32K	4K x 8, 1.8V	.67	.39	.37
◆579-24AA32A-I/SN	24AA32A-I/SN	SOIC-8	32K	4K x 8, 1.8V	.65	.37	.35
◆579-24AA32AT-I/MC	24AA32AT-I/MC	DFN (2x3)-8	32K	4K x 8, 1.8V	.77	.45	.43
◆579-24AA512-I/MF	24AA512-I/MF	DFN (6x5)-8	512K	64K x 8, 1.8V	3.79	2.18	2.09
579-24AA512-I/P	24AA512-I/P	PDIP-8	512K	64K x 8, 1.8V	3.05	1.75	1.68
◆579-24AA512-I/SM	24AA512-I/SM	SOIC-8	512K	64K x 8, 1.8V	3.05	1.75	1.68
◆579-24AA64-I/MS	24AA64-I/MS	MSOP-8	64K	8K x 8, 1.8V	.84	.48	.46
579-24AA64-I/P	24AA64-I/P	PDIP-8	64K	8K x 8, 1.8V	.82	.46	.44
◆579-24AA64-I/SN	24AA64-I/SN	SOIC-8	64K	8K x 8, 1.8V	.77	.45	.43
◆579-24AA64T-I/MC	24AA64T-I/MC	DFN (2x3)-8	64K	8K x 8, 1.8V	.91	.52	.50
579-24AA65P	24AA65/P	PDIP-8	64K	8K x 8, 1.8V, Smart	2.69	2.07	1.48
◆579-24AA65SM	24AA65/SM	SOIC-8	64K	8K x 8, 1.8V, Smart	2.69	2.07	1.48
579-24LC00-I/P	24LC00-I/P	PDIP-8	16 byte	128 bit, 2.5V	.36	.21	.20
◆579-24LC00-I/SN	24LC00-I/SN	SOIC-8	16 byte	128 bit, 2.5V	.34	.20	.19
◆579-24LC00T-I/OT	24LC00T-I/OT	SOT-23-5	16 byte	128 bit, 2.5V	.34	.20	.19
579-24LC014-I/P	24LC014-I/P	PDIP-8	1K	256 x 8, 2.5V	.50	.29	.28
◆579-24LC014-I/SN	24LC014-I/SN	SOIC-8	1K	256 x 8, 2.5V	.48	.27	.26
◆579-24LC01B-I/MS	24LC01B-I/MS	MSOP-8	1K	128 x 8, 1.8V	.43	.25	.24
579-24LC01B-I/P	24LC01B-I/P	PDIP-8	1K	128 x 8, 1.8V	.41	.23	.22
◆579-24LC01B-I/SN	24LC01B-I/SN	SOIC-8	1K	128 x 8, 1.8V	.36	.21	.20
◆579-24LC01BT-I/OT	24LC01BT-I/OT	SOT-23-5	1K	128 x 8, 1.8V	.36	.21	.20
◆579-24LC024-I/MS	24LC024-I/MS	MSOP-8	2K	256 x 8	.60	.35	.33
579-24LC024-I/P	24LC024-I/P	PDIP-8	2K	256 x 8	.58	.33	.31
◆579-24LC024-I/SN	24LC024-I/SN	SOIC-8	2K	256 x 8	.53	.31	.30
◆579-24LC02B-I/MS	24LC02B-I/MS	MSOP-8	2K	256 x 8, 1.8V	.48	.27	.26
579-24LC02B-I/P	24LC02B-I/P	PDIP-8	2K	256 x 8, 1.8V	.43	.25	.24

MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	25	100
◆579-24LC02B-I/SN	24LC02B-I/SN	SOIC-8	2K	256 x 8, 1.8V	.41	.23	.22
◆579-24LC02BT-I/OT	24LC02BT-I/OT	SOT-23-5	2K	256 x 8, 1.8V	.41	.23	.22
◆579-24LC04B-I/MS	24LC04B-I/MS	MSOP-8	4K	512 x 8, 2.5V	.50	.29	.28
579-24LC04B-I/P	24LC04B-I/P	PDIP-8	4K	512 x 8, 2.5V	.48	.27	.26
◆579-24LC04B-I/SN	24LC04B-I/SN	SOIC-8	4K	512 x 8, 2.5V	.43	.25	.24
◆579-24LC04BT-I/OT	24LC04BT-I/OT	SOT-23-5	4K	512 x 8, 2.5V	.43	.25	.24
◆579-24LC08B-I/MS	24LC08B-I/MS	MSOP-8	8K	1K x 8, 2.5V	.53	.31	.30
579-24LC08B-I/P	24LC08B-I/P	PDIP-8	8K	1K x 8, 2.5V	.50	.29	.28
◆579-24LC08B-I/SN	24LC08B-I/SN	SOIC-8	8K	1K x 8, 2.5V	.48	.27	.26
◆579-24LC08BT-I/OT	24LC08BT-I/OT	SOT-23-5	8K	1K x 8, 2.5V	.48	.27	.26
◆579-24LC1025-I/P	24LC1025-I/P	PDIP-8	1024K	128Kx8, 2.5V,128 Byte	6.41	3.68	3.53
◆579-24LC1025-I/SM	24LC1025-I/SM	SOIC-8	1024K	128Kx8, 2.5V,128 Byte	6.41	3.68	3.53
◆579-24LC128-I/MF	24LC128-I/MF	DFN (6x5)-8	128K	16K x 8, 2.5V	1.68	.97	.93
◆579-24LC128-I/MS	24LC128-I/MS	MSOP-8	128K	16K x 8, 2.5V	1.18	.68	.65
579-24LC128-I/P	24LC128-I/P	PDIP-8	128K	16K x 8, 2.5V	1.15	.66	.63
◆579-24LC128-I/SN	24LC128-I/SN	SOIC-8	128K	16K x 8, 2.5V	1.10	.64	.61
◆579-24LC16B-I/MS	24LC16B-I/MS	MSOP-8	16K	2K x 8, 2.5V	.58	.33	.31
579-24LC16B-I/P	24LC16B-I/P	PDIP-8	16K	2K x 8, 2.5V	.53	.31	.30
◆579-24LC16B-I/SN	24LC16B-I/SN	SOIC-8	16K	2K x 8, 2.5V	.50	.29	.28
◆579-24LC16BT-I/OT	24LC16BT-I/OT	SOT-23-5	16K	2K x 8, 2.5V	.50	.29	.28
◆579-24LC256-I/MF	24LC256-I/MF	DFN (6x5)-8	256K	32K x 8, 2.5V	2.26	1.29	1.24
◆579-24LC256-I/MS	24LC256-I/MS	MSOP-8	256K	32K x 8, 2.5V	1.75	1.00	.96
579-24LC256-I/P	24LC256-I/P	PDIP-8	256K	32K x 8, 2.5V	1.70	.98	.94
◆579-24LC256-I/SN	24LC256-I/SN	SOIC-8	256K	32K x 8, 2.5V	1.68	.97	.93
◆579-24LC32A-I/MS	24LC32A-I/MS	MSOP-8	32K	4K x 8, 2.5V	.70	.41	.39
579-24LC32A-I/P	24LC32A-I/P	PDIP-8	32K	4K x 8, 2.5V	.67	.39	.37
◆579-24LC32A-I/SN	24LC32A-I/SN	SOIC-8	32K	4K x 8, 2.5V	.65	.37	.35
◆579-24LC32AT-I/MC	24LC32AT-I/MC	DFN (2x3)-8	32K	4K x 8, 2.5V	.77	.45	.43
◆579-24LC512-I/MF	24LC512-I/MF	DFN (6x5)-8	512K	64K x 8, 2.5V	3.79	2.18	2.09
579-24LC512-I/P	24LC512-I/P	PDIP-8	512K	64K x 8, 2.5V	3.05	1.75	1.68
◆579-24LC512-I/SM	24LC512-I/SM	SOIC-8	512K	64K x 8, 2.5V	3.05	1.75	1.68
◆579-24LC64-I/MS	24LC64-I/MS	MSOP-8	64K	8K x 8, 2.5V	.84	.48	.46
579-24LC64-I/P	24LC64-I/P	PDIP-8	64K	8K x 8, 2.5V	.82	.46	.44
◆579-24LC64-I/SN	24LC64-I/SN	SOIC-8	64K	8K x 8, 2.5V	.77	.45	.43
◆579-24LC64T-I/MC	24LC64T-I/MC	DFN (2x3)-8	64K	8K x 8, 2.5V	.91	.52	.50
579-24LC65-I/P	24LC65-I/P	PDIP-8	64K	8Kx8, 2.5V, Smart	2.69	1.54	1.48
579-24LC01B-I/P	24LC01B-I/P	PDIP-8	1K	128 x 8, 1.8V	.41	.23	.22
◆579-24LC01B-I/SN	24LC01B-I/SN	SOIC-8	1K	128 x 8, 1.8V	.36	.21	.20
579-24C02C-I/P	24C02C-I/P	PDIP-8	2K	256 x 8	.50	.29	.28
579-24LC02B-I/P	24LC02B-I/P	PDIP-8	2K	256 x 8, 1.8V	.43	.25	.24
◆579-24LC02B-I/SN	24LC02B-I/SN	SOIC-8	2K	256 x 8, 1.8V	.41	.23	.22
◆579-24LC04B-I/SN	24LC04B-I/SN	SOIC-8	4K	512 x 8, 2.5V	.43	.25	.24
◆579-24LC08B-I/SN	24LC08B-I/SN	SOIC-8	1K	1K x 8, 2.5V	.48	.27	.26
579-24LC16B-I/P	24LC16B-I/P	PDIP-8	2K	2K x 8, 2.5V	.53	.31	.30
◆579-24LC16B-I/SN	24LC16B-I/SN	SOIC-8	2K	2K x 8, 2.5V	.50	.29	.28
579-24LC32A-I/P	24LC32A-I/P	PDIP-8	4K	4K x 8, 5V, 2.5V	.67	.39	.37
579-24LC64-I/P	24LC64-I/P	PDIP-8	8K	8K x 8, 2.5V	.82	.46	.44
◆579-24LC64-I/SN	24LC64-I/SN	SOIC-8	8K	8K x 8, 2.5V	.77	.45	.43
◆579-24LC65-I/SM	24LC65-I/SM	SOIC-8	8K	8Kx8, 2.5V, Smart	2.69	1.54	1.48
579-24LC128-I/P	24LC128-I/P	PDIP-8	128k	16K x 8, 2.5V	1.15	.66	.63
◆579-24LC128-I/SN	24LC128-I/SN	SOIC-8	128k	16K x 8, 2.5V	1.10	.64	.61
579-24LC256-I/P	24LC256-I/P	PDIP-8	256K	32K x 8, 2.5V	1.70	.98	.94
◆579-24LC256ISM	24LC256-I/SM	SOIC-8	256K	32K x 8, 2.5V	1.70	1.31	.94
◆579-24LC256-I/SN	24LC256-I/SN	SOIC-8	256K	32K x 8, 2.5V	1.68	.97	.93
579-24FC512-I/P	24FC512-I/P	PDIP-8	512K	64Kx8, 2.5V,Hi Spd	3.22	1.85	1.78
◆579-24FC512-I/SM	24FC512-I/SM	SOIC-8	512K	64Kx8, 2.5V,Hi Spd	3.22	1.85	1.78
579-24LC512-I/P	24LC512-I/P	PDIP-8	512K	64K x 8, 2.5V	3.05	1.75	1.68
◆579-24LC512-I/SM	24LC512-I/SM	SOIC-8	512K	64K x 8, 2.5V	3.05	1.75	1.68

SPI™ COMPATIBLE SERIAL EEPROM FAMILY

Features:

- Range of packages including 8MF, 8SM, 8SN, ST, 8MS, and wafer
- Operating temperature of -40°C to +85°C
- Maximum bus speed of 3-10MHz
- AA=1.8-5.5V, LC=2.5-5.5V

◆ **Surface Mount Device**

For quantities of 200 and up, call for quote.

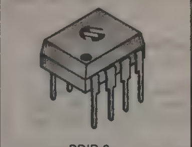
MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	25	100
◆579-25AA010A-I/MS	25AA010A-I/MS	MSOP-8	1K	128 x 8, 1.8V	.67	.39	.37
◆579-25AA010A-I/P	25AA010A-I/P	PDIP-8	1K	128 x 8, 1.8V	.65	.37	.35
◆579-25AA010A-I/SN	25AA010A-I/SN	SOIC-8	1K	128 x 8, 1.8V	.60	.35	.33
◆579-25AA010AT-I/OT	25AA010AT-I/OT	SOT-23-6	1K	128 x 8, 1.8V	.60	.35	.33
◆579-25AA020A-I/MS	25AA020A-I/MS	MSOP-8	2K	256 x 8, 1.8V	.70	.41	.39
◆579-25AA020A-I/P	25AA020A-I/P	PDIP-8	2K	256 x 8, 1.8V	.67	.39	.37
◆579-25AA020A-I/SN	25AA020A-I/SN	SOIC-8	2K	256 x 8, 1.8V	.65	.37	.35
◆579-25AA020AT-I/OT	25AA020AT-I/OT	SOT-23-6	2K	256 x 8, 1.8V	.65	.37	.35
◆579-25AA040A-I/MS	25AA040A-I/MS	MSOP-8	4K	512 x 8, 1.8V	.74	.43	.41
◆579-25AA040A-I/P	25AA040A-I/P	PDIP-8	4K	512 x 8, 1.8V	.70	.41	.39
◆579-25AA040A-I/SN	25AA040A-I/SN	SOIC-8	4K	512 x 8, 1.8V	.67	.39	.37

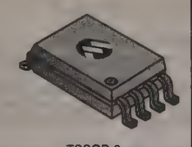
For quantities of 200 and up, call for quote.

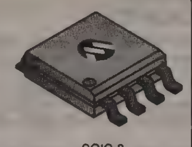
MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	25	100
◆579-25AA040AT-I/OT	25AA040AT-I/OT	SOT-23-6	4K	512 x 8, 1.8V	.67	.39	.37
◆579-25AA080A-I/MS	25AA080A-I/MS	MSOP-8	8K	1K x 8, 1.8V	.91	.50	.48
579-25AA080A-I/P	25AA080A-I/P	PDIP-8	8K	1K x 8, 1.8V	.86	.48	.46
◆579-25AA080A-I/SN	25AA080A-I/SN	SOIC-8	8K	1K x 8, 1.8V	.84	.46	.44
◆579-25AA080B-I/MS	25AA080B-I/MS	MSOP-8	8K	1K x 8, 1.8V	.91	.50	.48
579-25AA080B-I/P	25AA080B-I/P	PDIP-8	8K	1K x 8, 1.8V	.86	.48	.46
◆579-25AA080B-I/SN	25AA080B-I/SN	SOIC-8	8K	1K x 8, 1.8V	.84	.46	.44
◆579-25AA160A-I/MS	25AA160A-I/MS	MSOP-8	16K	2K x 8, 1.8V	.94	.52	.50
579-25AA160A-I/P	25AA160A-I/P	PDIP-8	16K	2K x 8, 1.8V	.91	.50	.48
◆579-25AA160A-I/SN	25AA160A-I/SN	SOIC-8	16K	2K x 8, 1.8V	.86	.48	.46
◆579-25AA160B-I/MS	25AA160B-I/MS	MSOP-8	16K	2K x 8, 1.8V	.94	.52	.50

MICROCHIP Serial EEPROMs

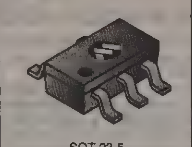
MICROCHIP

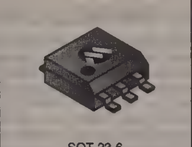

PDIP-8

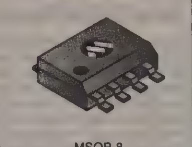

TSSOP-8


SOIC-8

DFN-8


SOT-23-5


SOT-23-6


MSOP-8

SPI™ COMPATIBLE SERIAL EEPROM FAMILY (CONT.)

Features:
- Range of packages including 8MF, 8SM, 8SN, ST, 8MS, and wafer
- Operating temperature of -40°C to +85°C
- Maximum bus speed of 3-10MHz
- AA=1.8-5.5V, LC=2.5-5.5V

◆ **Surface Mount Device**

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	25	100
579-25AA160B-I/P	25AA160B-I/P	PDIP-8	16K	2K x 8, 1.8V	.91	.50	.48
◆579-25AA160B-I/SN	25AA160B-I/SN	SOIC-8	16K	2K x 8, 1.8V	.86	.48	.46
◆579-25AA256-I/MF	25AA256-I/MF	DFN (6x5)-8	256k	32K x 8, 1.8V	3.19	1.77	1.70
◆579-25AA256-I/P	25AA256-I/P	PDIP-8	256k	32K x 8, 1.8V	2.66	1.47	1.41
◆579-25AA256-I/SN	25AA256-I/SN	SOIC-8	256k	32K x 8, 1.8V	2.62	1.45	1.39
◆579-25AA256-I/SN	25AA256-I/ST	TSSOP-8	256k	32K x 8, 1.8V	2.62	1.45	1.39
◆579-25AA320A-I/MS	25AA320A-I/MS	MSOP-8	32K	4K x 8, 1.8V	1.01	.56	.54
◆579-25AA320A-I/P	25AA320A-I/P	PDIP-8	32K	4K x 8, 1.8V	.98	.54	.52
◆579-25AA320A-I/SN	25AA320A-I/SN	SOIC-8	32K	4K x 8, 1.8V	.94	.52	.50
579-25AA640-I/P	25AA640-I/P	PDIP-8	64k	8K x 8, 1.8V	1.01	.58	.56
◆579-25AA640-I/SN	25AA640-I/SN	SOIC-8	64k	8K x 8, 1.8V	.98	.56	.54
◆579-25LC010A-I/MS	25LC010A-I/MS	MSOP-8	1K	128 x 8, 2.5V	.67	.39	.37
◆579-25LC010A-I/P	25LC010A-I/P	PDIP-8	1K	128 x 8, 2.5V	.65	.37	.35
◆579-25LC010A-I/SN	25LC010A-I/SN	SOIC-8	1K	128 x 8, 2.5V	.60	.35	.33
◆579-25LC010AT-I/OT	25LC010AT-I/OT	SOT-23-6	1K	128 x 8, 2.5V	.60	.35	.33
◆579-25LC020A-I/MS	25LC020A-I/MS	MSOP-8	2K	256 x 8, 2.5V	.70	.41	.39
◆579-25LC020A-I/P	25LC020A-I/P	PDIP-8	2K	256 x 8, 2.5V	.67	.39	.37
◆579-25LC020A-I/SN	25LC020A-I/SN	SOIC-8	2K	256 x 8, 2.5V	.65	.37	.35
◆579-25LC020AT-I/OT	25LC020AT-I/OT	SOT-23-6	2K	256 x 8, 2.5V	.65	.37	.35
◆579-25LC040A-I/MS	25LC040A-I/MS	MSOP-8	4K	512 x 8, 2.5V	.74	.43	.41
◆579-25LC040A-I/P	25LC040A-I/P	PDIP-8	4K	512 x 8, 2.5V	.70	.41	.39
◆579-25LC040A-I/SN	25LC040A-I/SN	SOIC-8	4K	512 x 8, 2.5V	.67	.39	.37
◆579-25LC040AT-I/OT	25LC040AT-I/OT	SOT-23-6	4K	512 x 8, 2.5V	.67	.39	.37

MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	25	100
◆579-25LC080A-I/MS	25LC080A-I/MS	MSOP-8	8K	1K x 8, 2.5V	.91	.50	.48
579-25LC080A-I/P	25LC080A-I/P	PDIP-8	8K	1K x 8, 2.5V	.86	.48	.46
◆579-25LC080A-I/SN	25LC080A-I/SN	SOIC-8	8K	1K x 8, 2.5V	.84	.46	.44
◆579-25LC080B-I/MS	25LC080B-I/MS	MSOP-8	8K	1K x 8, 2.5V	.91	.50	.48
579-25LC080B-I/P	25LC080B-I/P	PDIP-8	8K	1K x 8, 2.5V	.86	.48	.46
◆579-25LC080B-I/SN	25LC080B-I/SN	SOIC-8	8K	1K x 8, 2.5V	.84	.46	.44
◆579-25LC1024-I/MF	25LC1024-I/MF	DFN (6x5)-8	1024k	128K x 8 , 2.5V	5.81	3.33	3.20
◆579-25LC1024-I/P	25LC1024-I/P	PDIP-8	1024k	128K x 8, 2.5V	5.28	3.02	2.90
◆579-25LC1024-I/SM	25LC1024-I/SM	SOIC-8	1024k	128K x 8, 2.5V	5.28	3.02	2.90
◆579-25LC160A-I/MS	25LC160A-I/MS	MSOP-8	16K	2K x 8, 2.5V	.94	.52	.50
579-25LC160A-I/P	25LC160A-I/P	PDIP-8	16K	2K x 8, 2.5V	.91	.50	.48
◆579-25LC160A-I/SN	25LC160A-I/SN	SOIC-8	16K	2K x 8, 2.5V	.86	.48	.46
◆579-25LC160B-I/MS	25LC160B-I/MS	MSOP-8	16K	2K x 8, 2.5V	.94	.52	.50
579-25LC160B-I/P	25LC160B-I/P	PDIP-8	16K	2K x 8, 2.5V	.91	.50	.48
◆579-25LC160B-I/SN	25LC160B-I/SN	SOIC-8	16K	2K x 8, 2.5V	.86	.48	.46
◆579-25LC256-I/MF	25LC256-I/MF	DFN (6x5)-8	256k	32K x 8, 2.5V	3.19	1.77	1.70
◆579-25LC256-I/P	25LC256-I/P	PDIP-8	256k	32K x 8, 2.5V	2.66	1.47	1.41
◆579-25LC256-I/SN	25LC256-I/SN	SOIC-8	256k	32K x 8, 2.5V	2.62	1.45	1.39
◆579-25LC320A-I/MS	25LC320A-I/MS	MSOP-8	32K	4K x 8, 2.5V	1.01	.56	.54
◆579-25LC320A-I/P	25LC320A-I/P	PDIP-8	32K	4K x 8, 2.5V	.98	.54	.52
579-25LC640-I/P	25LC640-I/P	PDIP-8	64K	8K x 8, 2.5V	1.01	.58	.56
◆579-25LC640-I/SN	25LC640-I/SN	SOIC-8	64K	8K x 8, 2.5V	.98	.56	.54

MICROWIRE® COMPATIBLE SERIAL EEPROM FAMILY

Features:
- Range of packages including 8SN, ST8, 8MS, SOT6, and wafer
- Operating temperature of -40°C to +85°C
- Maximum bus speed of 3-10MHz
- AA=1.8-5.5V, LC=2.5-5.5V

◆ **Surface Mount Device**

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	25	100
579-93AA46A-I/MS	93AA46A-I/MS	MSOP-8	1K	128 x 8	.43	.25	.24
◆579-93AA46A-I/P	93AA46A-I/P	PDIP-8	1K	128 x 8	.41	.23	.22
579-93AA46A-I/SN	93AA46A-I/SN	SOIC-8	1K	128 x 8	.36	.21	.20
◆579-93AA46AT-I/OT	93AA46AT-I/OT	SOT-23-6	1K	128 x 8	.36	.21	.20
◆579-93AA46B-I/MS	93AA46B-I/MS	MSOP-8	1K	64 x 16	.43	.25	.24
◆579-93AA46B-I/P	93AA46B-I/P	PDIP-8	1K	64 x 16	.41	.23	.22
579-93AA46B-I/SN	93AA46B-I/SN	SOIC-8	1K	64 x 16	.36	.21	.20
◆579-93AA46BT-I/OT	93AA46BT-I/OT	SOT-23-6	1K	64 x 16	.36	.21	.20
◆579-93AA46C-I/MS	93AA46C-I/MS	MSOP-8	1K	128 x 8 or 64 x 16	.48	.27	.26
◆579-93AA46C-I/P	93AA46C-I/P	PDIP-8	1K	128 x 8 or 64 x 16	.43	.25	.24
579-93AA46C-I/SN	93AA46C-I/SN	SOIC-8	1K	128 x 8 or 64 x 16	.41	.23	.22
◆579-93AA46CT-I/MC	93AA46CT-I/MC	DFN (2x3) 8	1K	128 x 8 or 64 x 16	.53	.31	.30
◆579-93AA56A-I/MS	93AA56A-I/MS	MSOP-8	2K	256 x 8 ,1.8V	.48	.27	.26
◆579-93AA56A-I/P	93AA56A-I/P	PDIP-8	2K	256 x 8 ,1.8V	.43	.25	.24
579-93AA56A-I/SN	93AA56A-I/SN	SOIC-8	2K	256 x 8 ,1.8V	.41	.23	.22
◆579-93AA56AT-I/OT	93AA56AT-I/OT	SOT-23-6	2K	256 x 8 ,1.8V	.41	.23	.22
◆579-93AA56B-I/MS	93AA56B-I/MS	MSOP-8	2K	128 x 16, 1.8V	.48	.27	.26
◆579-93AA56B-I/P	93AA56B-I/P	PDIP-8	2K	128 x 16, 1.8V	.43	.25	.24
579-93AA56B-I/SN	93AA56B-I/SN	SOIC-8	2K	128 x 16, 1.8V	.41	.23	.22
◆579-93AA56BT-I/OT	93AA56BT-I/OT	SOT-23-6	2K	128 x 16, 1.8V	.41	.23	.22
◆579-93AA56C-I/MS	93AA56C-I/MS	MSOP-8	2K	256 x8 or 128 x16, 1.8V	.48	.27	.26
◆579-93AA56C-I/P	93AA56C-I/P	PDIP-8	2K	256 x8 or 128 x16, 1.8V	.43	.25	.24
579-93AA56C-I/SN	93AA56C-I/SN	SOIC-8	2K	256 x8 or 128 x16, 1.8V	.41	.23	.22
◆579-93AA56CT-I/MC	93AA56CT-I/MC	DFN (2x3) 8	2K	256 x8 or 128 x16, 1.8V	.53	.31	.30
◆579-93AA66A-I/MS	93AA66A-I/MS	MSOP-8	4K	512 x 8, 1.8V	.50	.29	.28
◆579-93AA66A-I/P	93AA66A-I/P	PDIP-8	4K	512 x 8, 1.8V	.48	.27	.26
579-93AA66A-I/SN	93AA66A-I/SN	SOIC-8	4K	512 x 8, 1.8V	.43	.25	.24
◆579-93AA66AT-I/OT	93AA66AT-I/OT	SOT-23-6	4K	512 x 8, 1.8V	.43	.25	.24
◆579-93AA66B-I/MS	93AA66B-I/MS	MSOP-8	4K	256 x 16, 1.8V	.50	.29	.28
◆579-93AA66B-I/P	93AA66B-I/P	PDIP-8	4K	256 x 16, 1.8V	.48	.27	.26
579-93AA66B-I/SN	93AA66B-I/SN	SOIC-8	4K	256 x 16, 1.8V	.43	.25	.24
◆579-93AA66BT-I/OT	93AA66BT-I/OT	SOT-23-6	4K	256 x 16, 1.8V	.43	.25	.24
◆579-93AA66C-I/MS	93AA66C-I/MS	MSOP-8	4K	256x8 or 128x16, 1.8V	.50	.29	.28
◆579-93AA66C-I/P	93AA66C-I/P	PDIP-8	4K	256x8 or 128x16, 1.8V	.48	.27	.26
579-93AA66C-I/SN	93AA66C-I/SN	SOIC-8	4K	256x8 or 128x16, 1.8V	.43	.25	.24
◆579-93AA66CT-I/MC	93AA66CT-I/MC	DFN (2x3) 8	4K	256x8 or 128x16, 1.8V	.58	.33	.31
◆579-93AA76AT-I/OT	93AA76AT-I/OT	SOT-23-6	8k	1024 x 8, 1.8V	.60	.35	.33
◆579-93AA76BT-I/OT	93AA76BT-I/OT	SOT-23-6	8k	512 x 16, 1.8V	.60	.35	.33
◆579-93AA76C-I/MS	93AA76C-I/MS	MSOP-8	8k	512x16 or 1024x8,1.8V	.67	.39	.37
◆579-93AA76C-I/P	93AA76C-I/P	PDIP-8	8k	512x16 or 1024x8,1.8V	.65	.37	.35
579-93AA76C-I/SN	93AA76C-I/SN	SOIC-8	8k	512x16 or 1024x8,1.8V	.60	.35	.33
◆579-93AA86AT-I/OT	93AA86AT-I/OT	SOT-23-6	16K	2048 x 8, 1.8V	.67	.39	.37
◆579-93AA86BT-I/OT	93AA86BT-I/OT	SOT-23-6	16K	1024 x 16, 1.8V	.67	.39	.37
◆579-93AA86C-I/MS	93AA86C-I/MS	MSOP-8	16K	1024x16 or 2048x8,1.8V	.74	.43	.41
◆579-93AA86C-I/P	93AA86C-I/P	PDIP-8	16K	1024x16 or 2048x8,1.8V	.70	.41	.39
579-93AA86C-I/SN	93AA86C-I/SN	SOIC-8	16K	1024x16 or 2048x8,1.8V	.67	.39	.37
◆579-93LC46A-I/MS	93LC46A-I/MS	MSOP-8	1K	128 x 8	.43	.25	.24

MOUSER STOCK NO.	Microchip Part No.	Package Type	Density	Organization	Price Each		
					1	25	100
579-93LC46A-I/P	93LC46A-I/P	PDIP-8	1K	128 x 8	.41	.23	.22
◆579-93LC46A-I/SN	93LC46A-I/SN	SOIC-8	1K	128 x 8	.36	.21	.20
◆579-93LC46AT-I/OT	93LC46AT-I/OT	SOT-23-6	1K	128 x 8	.36	.21	.20
◆579-93LC46B-I/MS	93LC46B-I/MS	MSOP-8	1K	64 x 16	.43	.25	.24
579-93LC46B-I/P	93LC46B-I/P	PDIP-8	1K	64 x 16	.41	.23	.22
◆579-93LC46BISN	93LC46B-I/SN	SOIC-8	1K	64 x 16	.36	.28	.20
◆579-93LC46BT-I/OT	93LC46BT-I/OT	SOT-23-6	1K	64 x 16	.36	.21	.20
◆579-93LC46C-I/MS	93LC46C-I/MS	MSOP-8	1K	128 x 8 or 64 x 16	.48	.27	.26
579-93LC46C-I/P	93LC46C-I/P	PDIP-8	1K	128 x 8 or 64 x 16	.43	.25	.24
◆579-93LC46C-I/SN	93LC46C-I/SN	SOIC-8	1K	128 x 8 or 64 x 16	.41	.23	.22
◆579-93LC46CT-I/MC	93LC46CT-I/MC	DFN (2x3) 8	1K	128 x 8 or 64 x 16	.53	.31	.30
◆579-93LC56A-I/MS	93LC56A-I/MS	MSOP-8	2K	256 x 8	.48	.27	.26
579-93LC56A-I/P	93LC56A-I/P	PDIP-8	2K	256 x 8	.43	.25	.24
◆579-93LC56A-I/SN	93LC56A-I/SN	SOIC-8	2K	256 x 8	.41	.23	.22
◆579-93LC56AT-I/OT	93LC56AT-I/OT	SOT-23-6	2K	256 x 8	.41	.23	.22
◆579-93LC56B-I/MS	93LC56B-I/MS	MSOP-8	2K	128 x 16	.48	.27	.26
579-93LC56B-I/P	93LC56B-I/P	PDIP-8	2K	128 x 16	.43	.25	.24
◆579-93LC56BISN	93LC56B-I/SN	SOIC-8	2K	128 x 16	.41	.31	.22
◆579-93LC56BT-I/OT	93LC56BT-I/OT	SOT-23-6	2K	128 x 16	.41	.23	.22
◆579-93LC56C-I/MS	93LC56C-I/MS	MSOP-8	2k	128 x 8 or 64 x 16	.48	.27	.26
579-93LC56C-I/P	93LC56C-I/P	PDIP-8	2k	128 x 8 or 64 x 16	.43	.25	.24
◆579-93LC56C-I/SN	93LC56C-I/SN	SOIC-8	2k	128 x 8 or 64 x 16	.41	.23	.22
◆579-93LC56CT-I/MC	93LC56CT-I/MC	DFN (2x3) 8	2k	128 x 8 or 64 x 16	.53	.31	.30
◆579-93LC66A-I/MS	93LC66A-I/MS	MSOP-8	4K	512 x 8	.50	.29	.28
579-93LC66A-I/P	93LC66A-I/P	PDIP-8	4K	512 x 8	.48	.27	.26
◆579-93LC66A-I/SN	93LC66A-I/SN	SOIC-8	4K	512 x 8	.43	.25	.24
◆579-93LC66AT-I/OT	93LC66AT-I/OT	SOT-23-6	4K	512 x 8	.43	.25	.24
◆579-93LC66B-I/MS	93LC66B-I/MS	MSOP-8	4K	256 x 16	.50	.29	.28
579-93LC66B-I/P	93LC66B-I/P	PDIP-8	4K	256 x 16	.48	.27	.26
◆579-93LC66B-I/SN	93LC66B-I/SN	SOIC-8	4K	256 x 16	.43	.25	.24
◆579-93LC66BT-I/OT	93LC66BT-I/OT	SOT-23-6	4K	256 x 16	.43	.25	.24
◆579-93LC66C-I/MS	93LC66C-I/MS	MSOP-8	4K	128 x 8 or 64 x 16	.50	.29	.28
579-93LC66C-I/P	93LC66C-I/P	PDIP-8	4K	128 x 8 or 64 x 16	.48	.27	.26
◆579-93LC66C-I/SN	93LC66C-I/SN	SOIC-8	4K	128 x 8 or 64 x 16	.43	.25	.24
◆579-93LC66CT-I/MC	93LC66CT-I/MC	DFN (2x3) 8	4K	128 x 8 or 64 x 16	.58	.33	.31
◆579-93LC76AT-I/OT	93LC76AT-I/OT	SOT-23-6	8k	1024 x 8	.60	.35	.33
◆579-93LC76BT-I/OT	93LC76BT-I/OT	SOT-23-6	8k	512 x 16	.60	.35	.33
◆579-93LC76C-I/MS	93LC76C-I/MS	MSOP-8	8k	512 x 16 or 1024 x 8	.67	.39	.37
579-93LC76C-I/P	93LC76C-I/P	PDIP-8	8k	512 x 16 or 1024 x 8	.65	.37	.35
◆579-93LC76C-I/SN	93LC76C-I/SN	SOIC-8	8k	512 x 16 or 1024 x 8	.60	.35	.33
◆579-93LC86AT-I/OT	93LC86AT-I/OT	SOT-23-6	16K	2048 x 8	.67	.39	.37
◆579-93LC86BT-I/OT	93LC86BT-I/OT	SOT-23-6	16K	1024 x 16	.67	.39	.37
◆579-93LC86C-I/MS	93LC86C-I/MS	MSOP-8	16K	1024 x 16 or 2048 x 8	.74	.43	.41
579-93LC86C-I/P	93LC86C-I/P	PDIP-8	16K	1024 x 16 or 2048 x 8	.70	.41	.39
◆579-93LC86C-I/SN	93LC86C-I/SN	SOIC-8	16K	1024 x 16 or 2048 x 8	.67	.39	.37
579-93C46B-I/P	93C46B-I/P	PDIP-8	1K	64 x 16	.41	.23	.22
◆579-93C46B-I/SN	93C46B-I/SN	SOIC-8	1K	64 x 16	.36	.21	.20

RAMTRON FRAM Memory

RAMTRON

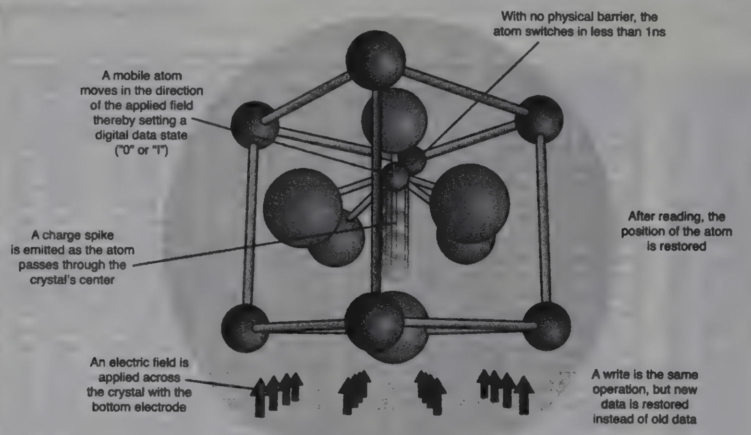
RoHS Compliant This page of product is compliant.

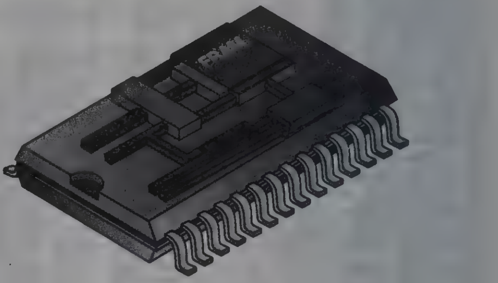
RAMTRON FRAM (FERROELECTRIC RANDOM ACCESS MEMORY) MEMORY

FRAM offers a unique set of features relative to other semiconductor technologies. Traditional mainstream semiconductor memories can be divided into two primary categories -- volatile and nonvolatile. Volatile memories include SRAM (static random access memory) and DRAM (dynamic random access memory). SRAMs and DRAMs lose their contents after power is removed from the electronic system. RAM type devices are very easy to use, and are high performing, but they share the annoying quirk of losing their mind when the lights go out.

Non-volatile memories do not lose their contents when power is removed. However all of the mainstream non-volatile memories share a common ancestry that derives from ROM (read only memory) technology. As you might guess, something called read only memory is not easy to write, in fact it's impossible. All of its descendants make it very difficult to write new information into them. They include technologies EPROM (almost obsolete now), EEPROM, and Flash. ROM based technologies are very slow to write, wear out after being written a small number of times, and use a large amount of power to write. FRAM offers features consistent with a RAM technology, but is non-volatile like a ROM technology. FRAM bridges the gap between the two categories and creates something completely new -- a non-volatile RAM.

When an electric field is applied to a ferroelectric crystal, the central atom moves in the direction of the field. As the atom moves within the crystal, it passes through an energy barrier, causing a charge spike. Internal circuits sense the charge spike and set the memory. If the electric field is removed from the crystal, the central atom stays in position, preserving the state of the memory. Therefore, the FRAM memory needs no periodic refresh and when power fails, FRAM memory retains its data. It's fast, and doesn't wear out!


With no physical barrier, the atom switches in less than 1ns
A mobile atom moves in the direction of the applied field thereby setting a digital data state ("0" or "1")
A charge spike is emitted as the atom passes through the crystal's center
After reading, the position of the atom is restored
An electric field is applied across the crystal with the bottom electrode
A write is the same operation, but new data is restored instead of old data



Serial FRAM

The 2-wire interface is a widely used Master, multi-slave protocol using a serial clock (SCL) and a serial data line (SDA). Multiple memory devices can reside on the 2-wire bus by using the device select pins A0-A2 on selected parts. The 2-wire protocol is designed for multi-drop applications as well.

RoHS Compliant LEAD-FREE

Features:

- Industry standard protocol (2-wire & SPI)
- High Endurance Read/Writes
- Low standby current
- NoDelay™ Writes
- Low power consumption
- Direct hardware replacement for EEPROM

◆ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Ramtron Part No.	Case Type	Density	Organization	Max. Bus Speed (MHz)	Temperature Range (°C)	Supply Voltage (V)	Price Each			
								1	25	100	500
2-Wire Interface											
◆ 877-FM24C04A-G	FM24C04A-G	SOIC-8	4K	512 x 8	1	-40 to +85	5	1.19	1.13	1.03	.97
◆ 877-FM24CL04-G	FM24CL04-G	SOIC-8	4K	512 x 8	1	-40 to +85	2.7 - 3.6	1.19	1.13	1.03	.97
◆ 877-FM24C16A-G	FM24C16A-G	SOIC-8	16K	2K x 8	1	-40 to +85	5	1.52	1.45	1.31	1.24
◆ 877-FM24CL16-G	FM24CL16-G	SOIC-8	16K	2K x 8	1	-40 to +85	2.7 - 3.6	1.52	1.45	1.31	1.24
◆ 877-FM24CL16-DG	FM24CL16-DG	DFN-8	16K	2K x 8	1	-40 to +85	2.7 - 3.6	1.78	1.70	1.54	1.46
◆ 877-FM24C64-G	FM24C64-G	SOIC-8	64K	8K x 8	1	-40 to +85	5	3.06	2.92	2.64	2.50
◆ 877-FM24CL64-G	FM24CL64-G	SOIC-8	64K	8K x 8	1	-40 to +85	2.7 - 3.6	3.06	2.92	2.64	2.50
◆ 877-FM24CL64-DG	FM24CL64-DG	DFN-8	64K	8K x 8	1	-40 to +85	2.7 - 3.6	3.34	3.19	2.89	2.74
◆ 877-FM24C256-G	FM24C256-G	SOIC-8	256K	32K x 8	1	-40 to +85	5	6.69	6.38	5.78	5.47
SPI Interface											
◆ 877-FM25L04-G	FM25L04-G	SOIC-8	4K	512 x 8	14	-40 to +85	2.7 - 3.6	1.23	1.18	1.06	1.01
◆ 877-FM25040A-G	FM25040A-G	SOIC-8	4K	512 x 8	20	-40 to +85	5	1.08	1.03	.93	.88
◆ 877-FM25L16-G	FM25L16-G	SOIC-8	16K	2K x 8	18	-40 to +85	2.7 - 3.6	1.85	1.76	1.60	1.51
◆ 877-FM25L16-DG	FM25L16-DG	DFN-8	16K	2K x 8	18	-40 to +85	2.7 - 3.6	2.11	2.02	1.82	1.73
◆ 877-FM25C160-G	FM25C160-G	SOIC-8	16K	2K x 8	20	-40 to +85	5	1.85	1.76	1.60	1.51
◆ 877-FM25640-G	FM25640-G	SOIC-8	64K	8K x 8	5	-40 to +85	5	3.54	3.38	3.06	2.90
◆ 877-FM25CL64-G	FM25CL64-G	SOIC-8	64K	8K x 8	20	-40 to +85	2.7 - 3.6	3.06	2.92	2.64	2.50
◆ 877-FM25CL64-DG	FM25CL64-DG	DFN-8	64K	8K x 8	20	-40 to +85	2.7 - 3.6	3.34	3.19	2.89	2.74
◆ 877-FM25256B-G	FM25256B-G	SOIC-8	256K	32K x 8	15	-40 to +85	5	6.27	5.99	5.42	5.13
◆ 877-FM25L256B-G	FM25L256B-G	SOIC-8	256K	32K x 8	25	-40 to +85	2.7 - 3.6	6.27	5.99	5.42	5.13
◆ 877-FM25L256B-DG	FM25L256B-DG	DFN-8	256K	32K x 8	25	-40 to +85	2.7 - 3.6	6.53	6.24	5.64	5.35
◆ 877-FM25L512-DG	FM25L512-DG	DFN-8	512K	32K x 8	25	-40 to +85	2.7 - 3.6	11.79	11.26	10.18	9.65

Parallel FRAM

Nonvolatile Parallel High performance reads and writes with true nonvolatility without the battery. All bytewide memories have standard SRAM pinouts. They operate like SRAMs and provide nonvolatile storage with no requirement for battery backup.

RoHS Compliant LEAD-FREE

Features:

- Industry standard SRAM/EEPROM pinout
- NoDelay™ Writes
- Read and write at bus speed
- High Inductance
- Low standby current
- Low power consumption, High Endurance

◆ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Ramtron Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each			
								1	25	100	500
◆ 877-FM1608-120-SG	FM1608-120-SG	SOIC-28	64K	8K x 8	120	-40 to +85	5	5.08	4.85	4.39	4.16
877-FM1608-120-PG	FM1608-120-PG	PDIP-28	64K	8K x 8	120	-40 to +85	5	5.08	4.85	4.39	4.16
◆ 877-FM18L08-70-SG	FM18L08-70-SG	SOIC-28	256K	32K x 8	70	-40 to +85	3.0 - 3.6	9.97	9.51	8.61	8.15
877-FM18L08-70-PG	FM18L08-70-PG	PDIP-28	256K	32K x 8	70	-40 to +85	3.0 - 3.6	9.97	9.51	8.61	8.15
◆ 877-FM1808-70-SG	FM1808-70-SG	SOIC-28	256K	32K x 8	70	-40 to +85	5	10.58	10.10	9.14	8.66
877-FM1808-70-PG	FM1808-70-PG	PDIP-28	256K	32K x 8	70	-40 to +85	5	10.58	10.10	9.14	8.66
◆ 877-FM20L08-60-TG	FM20L08-60-TG	TSOP-32	1M	128K x 8	60	-40 to +85	3.3	22.29	21.27	19.25	18.23
◆ 877-FM20L08-60-TGC	FM20L08-60-TGC	TSOP-32	1M	128K x 8	60	0 to +70	3.3	22.29	21.27	19.25	18.23
◆ 877-FM22L16-55-TG	FM22L16-55-TG	TSOP-44	4M	256K x 8	55	-40 to +85	2.7-3.6	51.19	48.87	44.21	51.89

RoHS Compliant This page of product is compliant.

S-24CXX SERIES: 2-WIRE BUS SERIAL EEPROMS

The Seiko S-24Cxx Series are 2-wire bus serial EEPROMs characterized by low power consumption and wide operating voltage. Each is capable of page write and sequential read.

Specifications:
- Low power consumption: Standby: 2.0 uA Max (Vcc = 5.5V)
  Read: 0.8 mA Max (Vcc = 5.5V)
- Operating voltage range: Read: 1.8 to 5.5V (at -40 to +85°C)
  Write: 2.7 to 5.5V (at -40 to +85°C)
- Operating frequency: 400 kHz (Vcc=5 V±10 %, at -40 to +85°C)
- Write disable function when power supply voltage is low
- Endurance: 100,000,000 cycles/word (at +25°C) write capable
  10,000,000 cycles/word (at +85°C)
  3 x 1,000,000 cycles/word (at +105°C)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Case Type	Density	Organization	Temperature Range (°C)	Price Each			
						1	100	500	1000
Surface Mount									
628-24CS02AFJ-G	S-24CS02AFJ-TB-G	SOP-8	2K	256 x 8	- 40 to + 85	.52	.44	.39	.36
628-24CS04AFJ-G	S-24CS04AFJ-TB-G	SOP-8	4K	512 x 8	- 40 to + 85	.40	.34	.30	.28
628-24CS08AFJ-G	S-24CS08AFJ-TB-G	SOP-8	8K	1K x 8	- 40 to + 85	.48	.41	.36	.34
628-24CS16A0IJ-G	S-24CS16A0I-J8T1G	SOP-8	16K	2K x 8	- 40 to + 85	.80	.68	.60	.56
Thru-Hole									
628-24CS02ADP-G	S-24CS02ADP-G	DIP-8	2K	256 x 8	- 40 to + 85	.32	.27	.24	.22
628-24CS04ADP-G	S-24CS04ADP-G	DIP-8	4K	512 x 8	- 40 to + 85	.40	.34	.30	.28
628-24CS08ADP-G	S-24CS08ADP-G	DIP-8	8K	1K x 8	- 40 to + 85	.48	.41	.36	.34
628-24CS16A0ID-G	S-24CS16A0I-D8S1G	DIP-8	16K	2K x 8	- 40 to + 85	.80	.68	.60	.56

DIP-8

S-93CXX SERIES: 3-WIRE BUS SERIAL EEPROMS

The Seiko S-93Cxx Series are high speed, low power EEPROMs with a wide operating voltage range. Each is capable of sequential read, at which time addresses are automatically incremented in 16-bit blocks. The instruction code is compatible with the NM93CS46/56/66 Series.

Specifications:
- Low current consumption: Standby: 1.5 uA Max (Vcc = 5.5V)
  Operating: 0.8 mA Max (Vcc = 5.5V)
  0.4 mA Max (Vcc = 2.5V)
- Operating voltage range: Read: 1.8 to 5.5V (at -40 to +85°C)
  Write: 2.7 to 5.5V (at -40 to +85°C)
- Write disable function when power supply voltage is low
- Function to protect against write due to erroneous instruction recognition
- Endurance: 10,000,000 cycles/word (at +85°C)
  3 x 1,000,000 cycles/word (at +105°C)
  100,000,000 cycles/word (at +25°C)
- Data retention: 10 years (after 10,000,000 cycles/word at +85°C)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Case Type	Supply Volt.(Typ.)	Bus Type	Temperature Range (°C)	Supply Volt. Range	Time Keeping Volt Range (Max)	Price Each			
								1	100	500	1000
Surface Mount											
628-93C46BD-J8-G	S-93C46BD0I-J8T1G	SOP2-8	1K	64 x 16	- 40 to + 85	1.8 to 5.5	1.0	.34	.29	.26	.24
628-93C56BD-J8-G	S-93C56BD0I-J8T1G	SOP2-8	2K	128 x 16	- 40 to + 85	1.8 to 5.5	1.0	.38	.32	.29	.27
628-93C66BD-J8-G	S-93C66BD0I-J8T1G	SOP2-8	4K	256 x 16	- 40 to + 85	1.8 to 5.5	1.0	.80	.68	.60	.56
Thru-Hole											
628-93C46BD-D8-G	S-93C46BD0I-D8S1G	DIP-8	1K	64 x 16	- 40 to + 85	1.8 to 5.5	1.0	.34	.29	.26	.24
628-93C56BD-D8-G	S-93C56BD0I-D8S1G	DIP-8	2K	128 x 16	- 40 to + 85	1.8 to 5.5	1.0	.38	.32	.29	.27
628-93C66BD-D8-G	S-93C66BD0I-D8S1G	DIP-8	4K	256 x 16	- 40 to + 85	1.8 to 5.5	1.0	.46	.39	.35	.32

TSSOP-8

REAL TIME CLOCKS (RTC), SURFACE MOUNT

The S-35190A and S-35390A are low-current-consumption CMOS real-time clock ICs that feature a wide operating voltage range (1.3 V to 5.5 V) and can be driven on a variety of supply voltages, from a main supply to a backup supply. The time keeping current consumption of 0.25 µA and minimum time keeping operation voltage of 1.1 V enable greatly increased battery duration.

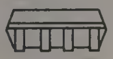
Specifications:
- Low current consumption: Standby: 1.5 uA Max (Vcc = 5.5V)
- Wide operating range: 1.3 to 5.5V
- Minimum time keeping operation voltage: 1.1 V
- Built-in clock adjustment function
- Built-in free user register
- Built-in alarm interrupter
- Built-in flag generator at power down or power on
- Auto calendar up to the year 2099, automatic leap year calculation function
- Built-in constant voltage circuit
- Built-in 32 kHz crystal oscillator (Cd built in, Cg external)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Case Type	Supply Volt.(Typ.)	Bus Type	Temperature Range (°C)	Supply Volt. Range	Time Keeping Volt Range (Max)	Price Each			
								1	100	500	1000
628-35390A-T8-G	S-35390A-T8T1G	TSSOP-8	3.0	2-Wire	- 40 to + 85	1.3 to 5.5	5.5	.89	.80	.71	.66
628-35190A-T8-G	S-35190A-T8T1G	TSSOP-8	3.0	3-Wire	- 40 to + 85	1.3 to 5.5	5.5	.89	.80	.71	.66

SOP-8
SOP2-8



SINGLE GATE MINI-LOGIC, SURFACE MOUNT

S-75V Series (High Speed)

The S-75V series is a single gate fabricated by utilizing advanced silicon-gate CMOS technology which provides the inherent benefit of CMOS low power consumption to achieve ultra high speed operation correspond to LSTTL IC' s. Input voltage is allowed to be applied even if power voltage is not supplied because no diode is inserted between an input pin and VCC. This allows for interfaces between power supplies of different voltage, output level conversion from 5 V to 3 V and battery backup applications.

Specifications:
- Supply voltage: 2.0 to 5.5V
- Operating temperature: -40°C to +85°C
- Output current: +/- 25mA
- Propagation delay time: 3.5ns @ 5V

Applications:
- Personal computers, peripherals
- Cell phones
- Cameras
- Games

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Description	Price Each			
				1	100	500	1000
628-75V00AN-G	S-75V00ANC-5V1-TFG	SC-88A	Single 2-input NAND gate	.23	.20	.18	.16
628-75V02AN-G	S-75V02ANC-5V3-TFG	SC-88A	Single 2-input NOR gate	.23	.20	.18	.16
628-75V04AN-G	S-75V05ANC-5V5-TFG	SC-88A	Single unbuffered inverter	.23	.20	.18	.16
628-75V08AN-G	S-75V08ANC-5V2-TFG	SC-88A	Single 2-input AND gate	.23	.20	.18	.16
628-75V14AN-G	S-75V14ANC-5V1-TFG	SC-88A	Single schmitt inverter	.23	.20	.18	.16
628-75V32AN-G	S-75V32ANC-5V4-TFG	SC-88A	Single 2-input OR gate	.23	.20	.18	.16
628-75V86AN-G	S-75V86ANC-5V8-TFG	SC-88A	Single exclusive OR gate	.23	.20	.18	.16
628-75VU04AN-G	S-75VU04ANC-5V6TFG	SC-88A	Single inverter without buffer	.23	.20	.18	.16

S-75L Series (Low Voltage)

The S-75L series is a single gate fabricated by utilizing advanced silicon-gate CMOS technology which provides the inherent benefit of CMOS low power consumption to achieve operation by only a couple of batteries (1 to 3V). Input voltage is allowed to be applied even if power voltage is not supplied because no diode is inserted between an input pin and VCC. This allows for interfaces between power supplies of different voltage, output level conversion from 3V to 1V and battery backup applications.

Specifications:
- Supply voltage: 1.0 to 3.6V
- Operating temperature: -40°C to +85°C
- Output current: +/- 12.5mA
- Propagation delay time: 7ns @ 3V

Applications:
- Personal computers, peripherals
- Cell phones
- Cameras
- Games

RoHS Compliant

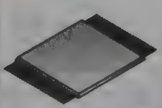
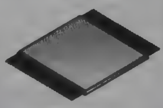
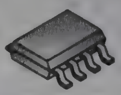
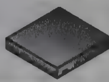
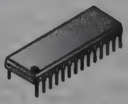
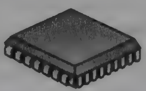
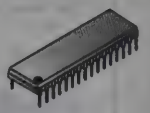
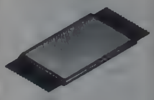
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Description	Price Each			
				1	100	500	1000
628-75L00AN-G	S-75L00ANC-5L1-TFG	SC-88A	Single 2-input NAND gate	.25	.22	.20	.18
628-75L02AN-G	S-75L02ANC-5L3-TFG	SC-88A	Single 2-input NOR gate	.25	.22	.20	.18
628-75L04AN-G	S-75L04ANC-5L5-TFG	SC-88A	Single unbuffered inverter	.25	.22	.20	.18
628-75L08AN-G	S-75L08ANC-5L2-TFG	SC-88A	Single 2-input AND gate	.25	.22	.20	.18
628-75L14AN-G	S-75L14ANC-5LA-TFG	SC-88A	Single schmitt inverter	.25	.22	.20	.18
628-75L32AN-G	S-75L32ANC-5L4-TFG	SC-88A	Single 2-input OR gate	.25	.22	.20	.18
628-75L86AN-G	S-75L86ANC-5L8-TFG	SC-88A	Single exclusive OR gate	.25	.22	.20	.18
628-75LU04AN-G	S-75LU04ANC-5L6TFG	SC-88A	Single inverter without buffer	.25	.22	.20	.18

SC-88A

Serial and Parallel Flash Memory

RoHS Compliant This page of product is compliant.

 TSOP-48	 TSOP-56	 SOIC-8	 WSON-8	 PDIP-28	 PLCC-32	 PDIP-32	 TSOP-32

SHARP MICROELECTRONICS FLASH MEMORY

Sharp Microelectronics offers low power, high density, low cost, nonvolatile read/write storage solutions for a wide range of applications.
The memory array block architecture utilizes Enhanced Data Protection features, which provide maximum flexibility for safe nonvolatile code and data storage.

RoHS Compliant

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Package	Organization	Density	Supply Voltage		Flash Type	Price Each			
					Program	Read		1	10	25	50
852-LHF00L31	LHF00L31	TSOP-48	x16	16Mb	3V or 12V	3V	Bottom Boot	4.88	3.90	3.24	2.83
852-LHF00L30	LHF00L30	TSOP-48	x16	16Mb	3V or 12V	3V	Top Boot	4.88	3.90	3.24	2.83
852-LHF00L29	LHF00L29	TSOP-48	x16	16Mb	3V or 12V	3V	Bottom Boot	4.88	3.90	3.24	2.83
852-LHF00L28	LHF00L28	TSOP-48	x16	16Mb	3V or 12V	3V	Top Boot	4.88	3.90	3.24	2.83
852-LHF00L15	LHF00L15	TSOP-48	x16	32Mb	3V or 12V	3V	Bottom Boot	7.15	6.26	5.04	4.92
852-LHF00L14	LHF00L14	TSOP-48	x16	32Mb	3V or 12V	3V	Top Boot	7.15	6.26	5.04	4.92
852-LHF00L13	LHF00L13	TSOP-48	x16	32Mb	3V or 12V	3V	Bottom Boot	7.15	6.26	5.04	4.92
852-LHF00L12	LHF00L12	TSOP-48	x16	32Mb	3V or 12V	3V	Top Boot	7.15	6.26	5.04	4.92
852-LH28F640SPHT	LH28F640SPHT-PTLZ8	TSOP-56	x8/x16	64Mb	3V or 12V	3V	Symmetrical	12.87	11.26	9.07	8.85
852-LH28F640BFHE	LH28F640BFHE-PBTL70A	TSOP-48	x16	64Mb	3V or 12V	3V	Bottom Boot	18.07	15.81	12.74	12.42
852-LH28F128BFHT	LH28F128BFHT-PBTL75A	TSOP-56	x16	128Mb	3V or 12V	3V	Bottom Boot	32.50	28.44	22.91	22.34

SST 25 SERIES SERIAL FLASH

The 25 Series Serial Flash family features a four-wire, SPI-compatible interface that allows for a low pin-count package which occupies less board space and ultimately lowers total system costs. They are manufactured with SST's proprietary, high-performance CMOS SuperFlash® technology. The split-gate cell design and thick-oxide tunneling injector attain better reliability and manufacturability compared with alternate approaches. The SST25VF040B devices significantly improve performance and reliability, while lowering power consumption. The devices write (Program or Erase) with a single power supply of 2.7-3.6V (SST25VF series) or 3.0-3.6V (SST25LF series). The total energy consumed is a function of the applied voltage, current, and time of application. Since for any given voltage range, the SuperFlash technology uses less current to program and has a shorter erase time, the total energy consumed during any Erase or Program operation is less than alternative flash memory technologies.

Features (SST27 Series):
- 5.0V Read, 12.0V Program and Erase
- Same package and pin assignements as EPROM/OTP (except SST27SF512 follows flash memory pin assignements for 32-lead TSOP packages)

Features (SST37 Series):
- 2.7-3.6V Read, 12.0V Program and Erase
- Same package and pin assignments as standard flash

RoHS Compliant

◆ Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Frequency (MHz)	Byte Program Time (uS) (Typ.)	Supply Voltage (V)	Operating Temperature (°C)	Price Each		
									1	50	100
◆804-25VF5122CSAE	SST25VF512-20-4C-SAE	SOIC-8	512K	64K x 8	20	14	2.7 to 3.6	0 to 70	1.08	.95	.86
◆804-25VF5122CQAE	SST25VF512-20-4C-QAE	WSON-8	512K	64K x 8	20	14	2.7 to 3.6	0 to 70	1.33	1.17	1.06
◆804-25VF0102CSAE	SST25VF010-20-4C-SAE	SOIC-8	1M	128K x 8	20	14	2.7 to 3.6	0 to 70	1.23	1.08	.98
◆804-25VF0102CQAE	SST25VF010-20-4C-QAE	WSON-8	1M	128K x 8	20	14	2.7 to 3.6	0 to 70	1.48	1.30	1.18
◆804-25VF010A3CSAE	SST25VF010A-33-4C-SAE	SOIC-8	1M	128K x 8	33	14	2.7 to 3.6	0 to 70	1.35	1.19	1.08
◆804-25VF0202CSAE	SST25VF020-20-4C-SAE	SOIC-8	2M	256K x 8	20	14	2.7 to 3.6	0 to 70	1.58	1.39	1.26
◆804-25VF0202CQAE	SST25VF020-20-4C-QAE	WSON-8	2M	256K x 8	20	14	2.7 to 3.6	0 to 70	1.83	1.61	1.46
◆804-25VF0202EQAE	SST25VF020-20-4E-QAE	WSON-8	2M	256K x 8	20	14	2.7 to 3.6	-20 to +85	2.28	2.01	1.83
◆804-25VF0202ESAE	SST25VF020-20-4E-SAE	SOIC-8	2M	256K x 8	20	14	2.7 to 3.6	-20 to +85	1.73	1.52	1.39
◆804-25LF020A3CSAE	SST25LF020A-33-4C-SAE	SOIC-8	2M	256K x 8	33	14	3.0 to 3.6	0 to 70	1.65	1.45	1.32
◆804-25VF040B5CQAF	SST25VF040B-50-4C-QAF	WSON-8	4M	512K x 8	50	14	2.7 to 3.6	0 to 70	2.50	2.20	2.00
◆804-25VF040B5IQAF	SST25VF040B-50-4I-QAF	WSON-8	4M	512K x 8	50	14	2.7 to 3.6	-40 to +85	3.08	2.71	2.46
◆804-25VF040B5CS2AF	SST25VF040B-50-4C-S2AF	SOIC-8	4M	512K x 8	50	7	2.7 to 3.6	0 to 70	2.25	1.98	1.80
◆804-25VF080B5CS2AF	SST25VF080B-50-4C-S2AF	SOIC-8	8M	1M x 8	50	7	2.7 to 3.6	0 to 70	2.75	2.42	2.20
◆804-25VF016B504CS2AF	SST25VF016B-50-4C-S2AF	SOIC-8	16M	2M x 8	50	7	2.7 to 3.6	0 to 70	3.25	2.86	2.60
◆804-25VF016B504CQAF	SST25VF016B-50-4C-QAF	WSON-8	16M	2M x 8	50	7	2.7 to 3.6	0 to 70	3.50	3.08	2.80

SST 27 & 37 SERIES MTP (MANY-TIME PROGRAMMABLE) PARALLEL FLASH

The 27 & 37 Series of Many-Time Programmable (MTP) low cost flash, manufactured with SST's proprietary, high performance SuperFlash® technology. The split-gate cell design and thick oxide tunneling injector attain better reliability and manufacturability compared with alternate approaches. These MTP devices can be electrically erased and programmed at least 1000 times using an external programmer with a 12V power supply. They have to be erased prior to programming. These devices conform to JEDEC standard pinouts for byte-wide memories. Designed, manufactured, and tested for a wide spectrum of applications, these devices are offered with an endurance of at least 1000 cycles. Data retention is rated at greater than 100 years. They are suited for applications that require infrequent writes and low power nonvolatile storage. These devices will improve flexibility, efficiency, and performance while matching the low cost in nonvolatile applications that currently use UV-EPROMs, OTPs, and mask ROMs.

Features (SST27 Series):
- 5.0V Read, 12.0V Program and Erase
- Same package and pin assignements as EPROM/OTP (except SST27SF512 follows flash memory pin assignements for 32-lead TSOP packages)
- For use in cordless phones, VCD players, printers and fax machines where code is frozen and in-system programming is not required

Features (SST37 Series):
- 2.7-3.6V Read, 12.0V Program and Erase
- Same package and pin assignments as standard flash
- For use in cordless phones, VCD players, printers and fax machines where code is frozen and in-system programming is not required

RoHS Compliant

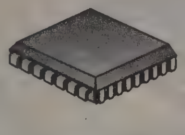
◆ Surface Mount Device

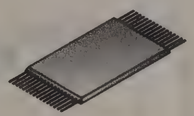
For quantities 500 and up, call for quote.

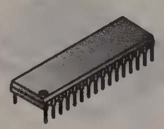
MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time (ns)	Chip Rewrite Time (Sec) (Typ.)	Supply Voltage (V)	Operating Temperature (°C)	Price Each		
									1	50	100
804-27SF5127CPGE	SST27SF512-70-3C-PGE	PDIP-28	512K	64K x 8	70	1.4	4.5 to 5.5	0 to 70	1.45	1.28	1.16
◆804-27SF0107CNHE	SST27SF010-70-3C-NHE	PLCC-32	1M	128K x 8	70	2.8	4.5 to 5.5	0 to 70	1.33	1.17	1.06
804-27SF0107CPHE	SST27SF010-70-3C-PHE	PDIP-32	1M	128K x 8	70	2.8	4.5 to 5.5	0 to 70	1.58	1.39	1.26
◆804-37VF0107CNHE	SST37VF010-70-3C-NHE	PLCC-32	1M	128K x 8	70	1.2	2.7 to 3.6	0 to 70	1.35	1.19	1.08
◆804-37VF0107CWHE	SST37VF010-70-3C-WHE	TSOP-32	1M	128K x 8	70	1.2	2.7 to 3.6	0 to 70	1.43	1.25	1.14
◆804-27SF0207CNHE	SST27SF020-70-3C-NHE	PLCC-32	2M	256K x 8	70	5.6	4.5 to 5.5	0 to 70	1.58	1.39	1.26
804-27SF0207CPHE	SST27SF020-70-3CPHE	PDIP-32	2M	256K x 8	70	5.6	4.5 to 5.5	0 to 70	1.83	1.61	1.46
◆804-37VF0207CNHE	SST37VF020-70-3C-NHE	PLCC-32	2M	256K x 8	70	2.4	2.7 to 3.6	0 to 70	1.70	1.50	1.36
◆804-37VF0207CWHE	SST37VF020-70-3C-WHE	TSOP-32	2M	256K x 8	70	2.4	2.7 to 3.6	0 to 70	1.78	1.56	1.42
◆804-37VF0407CNHE	SST37VF040-70-3C-NHE	PLCC-32	4M	512K x 8	70	4.8	2.7 to 3.6	0 to 70	1.88	1.65	1.50
◆804-37VF0407CWHE	SST37VF040-70-3C-WHE	TSOP-32	4M	512K x 8	70	4.8	2.7 to 3.6	0 to 70	1.95	1.72	1.56

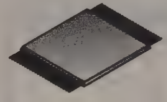
SST Parallel Flash Memory

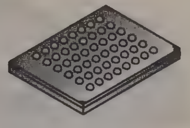
RoHS Compliant This page of product is compliant.


PLCC-32


TSOP-32


PDIP-32


TSOP-48


TFBGA-48

29 SERIES SSF (SMALL-SECTOR FLASH) PARALLEL FLASH

The 29 Series SSF (Small-Sector Flash) devices are suited for applications that require convenient and economical updating of program, configuration, or data memory. For all system applications, they significantly improve performance and reliability, while lowering power consumption. They inherently use less energy during Erase and Program than alternative flash technologies. The total energy consumed is a function of the applied voltage, current, and time of application. Since for any given voltage range, the SuperFlash technology uses less current to program and has a shorter erase time, the total energy consumed during any Erase or Program operation is less than alternative flash technologies. They also improve flexibility while lowering the cost for program, data, and configuration storage applications.

Features (SST29EE Series):

- 128 byte Sector-Erase
- Sector-by-sector Erase operations
- Byte-by-byte Program operations

Features (SST29SF/VF Series):

- 128 byte page size
- Page-by-page Write operations
- Page-Write operation includes an internal Erase transparent to the external system

RoHS Compliant

◆ **Surface Mount Device**

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time (ns)	Chip Rewrite Time (Sec) (Typ.)	Supply Voltage (V)	Operating Temperature (°C)	Price Each		
									1	50	100
◆804-29EE5127CNHE	SST29EE512-70-4C-NHE	PLCC-32	512K	64K x 8	70	2.5	4.5 to 5.5	0 to 70	2.10	1.85	1.68
◆804-29EE5127CEHE	SST29EE512-70-4C-EHE	TSOP-32	512K	64K x 8	70	2.5	4.5 to 5.5	0 to 70	2.35	2.07	1.88
◆804-29EE5127INHE	SST29EE512-70-4I-NHE	PLCC-32	512K	64K x 8	70	2.5	4.5 to 5.5	-40 to +85	2.52	2.22	2.02
◆804-29EE0107CNHE	SST29EE010-70-4C-NHE	PLCC-32	1M	128K x 8	70	5.0	4.5 to 5.5	0 to 70	2.18	1.91	1.74
◆804-29EE0107CWHE	SST29EE010-70-4C-WHE	TSOP-32	1M	128K x 8	70	5.0	4.5 to 5.5	0 to 70	2.25	1.98	1.80
◆804-29EE0107CEHE	SST29EE010-70-4C-EHE	TSOP-32	1M	128K x 8	70	5.0	4.5 to 5.5	0 to 70	2.43	2.13	1.94
804-29EE0107CPHE	SST29EE010-70-4C-PHE	PDIP-32	1M	128K x 8	70	5.0	4.5 to 5.5	0 to 70	2.43	2.13	1.94
◆804-29EE0107IEHE	SST29EE010-70-4I-EHE	TSOP-32	1M	128K x 8	70	5.0	4.5 to 5.5	-40 to +85	2.91	2.56	2.33
◆804-29VE01015CNHE	SST29VE010-150-4C-NHE	PLCC-32	1M	128K x 8	150	5.0	2.7 to 3.6	0 to 70	1.83	1.61	1.46
◆804-29SF0205CNHE	SST29SF020-55-4C-NHE	PLCC-32	2M	256K x 8	55	4.0	4.5 to 5.5	0 to 70	2.45	2.16	1.96
◆804-29SF04055CNHE	SST29SF040-55-4C-NHE	PLCC-32	4M	512K x 8	55	8.0	4.5 to 5.5	0 to 70	3.20	2.82	2.56
◆804-29VF0407CNHE	SST29VF040-70-4C-NHE	PLCC-32	4M	512K x 8	70	8.0	2.7 to 3.6	0 to 70	3.20	2.82	2.56

39 SERIES MPF (MULTI-PURPOSE FLASH) PARALLEL FLASH

The 39 Series MPF (Multi-Purpose Flash) are manufactured with SST's proprietary, high performance CMOS SuperFlash® technology. The split-gate cell design and thick oxide tunneling injector attain better reliability and manufacturability compared with alternate approaches.To protect against inadvertent write, they have on-chip hardware and Software Data Protection schemes. Designed, manufactured, and tested for a wide spectrum of applications, these devices are offered with a guaranteed typical endurance of 10,000 cycles. Data retention is rated at greater than 100 years. They are suited for applications that require convenient and economical updating of program, configuration, or data memory. For all system applications, they significantly improve performance and reliability, while lowering power consumption. They inherently use less energy during erase and program than alternative flash technologies. The total energy consumed is a function of the applied voltage, current, and time of application. Since for any given voltage range, the SuperFlash technology uses less current to program and has a shorter erase time, the total energy consumed during any Erase or Program operation is less than alternative flash technologies.

Features:

- 50% smaller than competition's 6mm x 8mm BGA packages
- Industry's smallest 1.8V packages for 8M-bit products
- Thinnest standard flash package in the industry
- Best total-cost solution for price sensitive, fast to market applications
- JEDEC approved packages
- For applications requiring high performace fatures such as set-top boxes, PDAs, digital cameras and networking equipment

RoHS Compliant

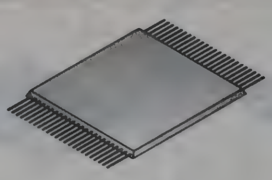
◆ **Surface Mount Device**

For quantities 500 and up, call for quote.

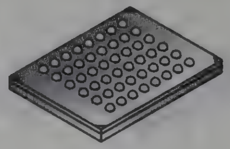
MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time (ns)	Chip Rewrite Time (Sec) (Typ.)	Supply Voltage (V)	Operating Temperature (°C)	Price Each		
									1	50	100
◆804-39LF5125CWHE	SST39LF512-45-4C-WHE	TSOP-32	512K	64K x 8	45	1.0	3.0 to 3.6	0 to 70	1.73	1.52	1.38
◆804-39VF5127CNHE	SST39VF512-70-4C-NHE	PLCC-32	512K	64K x 8	70	1.0	2.7 to 3.6	0 to 70	1.45	1.28	1.16
◆804-39VF5127CWHE	SST39VF512-70-4C-WHE	TSOP-32	512K	64K x 8	70	1.0	2.7 to 3.6	0 to 70	1.53	1.34	1.22
◆804-39VF5127INHE	SST39VF512-70-4I-NHE	PLCC-32	512K	64K x 8	70	1.0	2.7 to 3.6	-40 to +85	1.74	1.53	1.39
◆804-39VF5127IWHE	SST39VF512-70-4I-WHE	TSOP-32	512K	64K x 8	70	1.0	2.7 to 3.6	-40 to +85	1.83	1.61	1.46
◆804-39LF0105CNHE	SST39LF010-45-4C-NHE	PLCC-32	1M	128K x 8	45	2.0	3.0 to 3.6	0 to 70	1.95	1.72	1.56
◆804-39LF0105CWHE	SST39LF010-45-4C-WHE	TSOP-32	1M	128K x 8	45	2.0	3.0 to 3.6	0 to 70	2.03	1.78	1.62
◆804-39SF010A7CNHE	SST39SF010A-70-4C-NHE	PLCC-32	1M	128K x 8	70	2.0	4.5 to 5.5	0 to 70	1.70	1.50	1.36
◆804-39SF010A7CWHE	SST39SF010A-70-4C-WHE	TSOP-32	1M	128K x 8	70	2.0	4.5 to 5.5	0 to 70	1.78	1.56	1.42
◆804-39SF010A7IWHE	SST39SF010A-70-4I-WHE	TSOP-32	1M	128K x 8	70	2.0	4.5 to 5.5	-40 to +85	2.13	1.87	1.70
◆804-39SF010A7INHE	SST39SF010A-70-4I-NHE	PLCC-32	1M	128K x 8	70	2.0	4.5 to 5.5	-40 to +85	2.04	1.80	1.63
◆804-39VF0107CNHE	SST39VF010-70-4C-NHE	PLCC-32	1M	128K x 8	70	2.0	2.7 to 3.6	0 to 70	1.70	1.50	1.36
◆804-39VF0107CWHE	SST39VF010-70-4C-WHE	TSOP-32	1M	128K x 8	70	2.0	2.7 to 3.6	0 to 70	1.78	1.56	1.42
◆804-39VF0107INHE	SST39VF010-70-4I-NHE	PLCC-32	1M	128K x 8	70	2.0	2.7 to 3.6	-40 to +85	2.04	1.80	1.63
◆804-39VF0107IWHE	SST39VF010-70-4I-WHE	TSOP-32	1M	128K x 8	70	2.0	2.7 to 3.6	-40 to +85	2.13	1.87	1.70
◆804-39LF200A5CEKE	SST39LF200A-45-4C-EKE	TSOP-48	2M	128K x 16	45	2.0	3.0 to 3.6	0 to 70	2.55	2.24	2.04
◆804-39LF200A5CB3KE	SST39LF200A-45-4C-B3KE	TFBGA-48	2M	128K x 16	45	2.0	3.0 to 3.6	0 to 70	2.78	2.44	2.22
◆804-39VF200A7CEKE	SST39VF200A-70-4C-EKE	TSOP-48	2M	128K x 16	70	2.0	2.7 to 3.6	0 to 70	2.20	1.94	1.76
◆804-39VF200A7CB3KE	SST39VF200A-70-4C-B3KE	TFBGA-48	2M	128K x 16	70	2.0	2.7 to 3.6	0 to 70	2.45	2.16	1.96
◆804-39VF200A7IEKE	SST39VF200A-70-4I-EKE	TSOP-48	2M	128K x 16	70	2.0	2.7 to 3.6	-40 to +85	2.64	2.32	2.11
◆804-39VF200A7IB3KE	SST39VF200A-70-4I-B3KE	TFBGA-48	2M	128K x 16	70	2.0	2.7 to 3.6	-40 to +85	2.94	2.59	2.35
◆804-39LF0205CNHE	SST39LF020-45-4C-NHE	PLCC-32	2M	256K x 8	45	4.0	3.0 to 3.6	0 to 70	2.23	1.96	1.78
◆804-39LF0205CWHE	SST39LF020-45-4C-WHE	TSOP-32	2M	256K x 8	45	4.0	3.0 to 3.6	0 to 70	2.30	2.02	1.84
◆804-39SF020A7CNHE	SST39SF020A-70-4C-NHE	PLCC-32	2M	256K x 8	70	4.0	4.5 to 5.5	0 to 70	1.95	1.72	1.56
◆804-39SF020A7CWHE	SST39SF020A-70-4C-WHE	TSOP-32	2M	256K x 8	70	4.0	4.5 to 5.5	0 to 70	2.03	1.78	1.62
804-39SF020A7CPHE	SST39SF020A-70-4C-PHE	PDIP-32	2M	256K x 8	70	4.0	4.5 to 5.5	0 to 70	2.16	1.90	1.73
◆804-39SF020A7INHE	SST39SF020A-70-4I-NHE	TSOP-32	2M	256K x 8	70	4.0	4.5 to 5.5	-40 to +85	2.34	2.06	1.87
◆804-39SF020A7IWHE	SST39SF020A-70-4I-WHE	PLCC-32	2M	256K x 8	70	4.0	4.5 to 5.5	-40 to +85	2.43	2.14	1.94
◆804-39VF0207CNHE	SST39VF020-70-4C-NHE	PLCC-32	2M	256K x 8	70	4.0	2.7 to 3.6	0 to 70	1.95	1.72	1.56
◆804-39VF0207CWHE	SST39VF020-70-4C-WHE	TSOP-32	2M	256K x 8	70	4.0	2.7 to 3.6	0 to 70	2.03	1.78	1.62
◆804-39VF0207INHE	SST39VF020-70-4I-NHE	PLCC-32	2M	256K x 8	70	4.0	2.7 to 3.6	-40 to +85	2.34	2.06	1.87
◆804-39VF0207IWHE	SST39VF020-70-4I-WHE	TSOP-32	2M	256K x 8	70	4.0	2.7 to 3.6	-40 to +85	2.43	2.14	1.94

SST Parallel Flash Memory

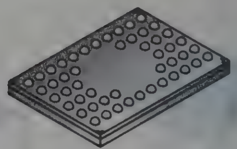
RoHS Compliant This page of product is compliant.



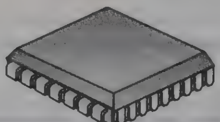
TSOP-48



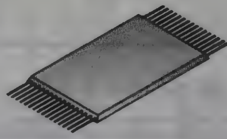
TFBGA-48



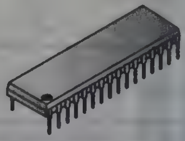
WFBGA-48



PLCC-32



TSOP-32



PDIP-32

39 SERIES MPF (MULTI-PURPOSE FLASH) PARALLEL FLASH

The 39 Series MPF (Multi-Purpose Flash) are manufactured with SST's proprietary, high performance CMOS SuperFlash® technology. The split-gate cell design and thick oxide tunneling injector attain better reliability and manufacturability compared with alternate approaches.To protect against inadvertent write, they have on-chip hardware and Software Data Protection schemes. Designed, manufactured, and tested for a wide spectrum of applications, these devices are offered with a guaranteed typical endurance of 10,000 cycles. Data retention is rated at greater than 100 years. They are suited for applications that require convenient and economical updating of program, configuration, or data memory. For all system applications, they significantly improve performance and reliability, while lowering power consumption. They inherently use less energy during erase and program than alternative flash technologies. The total energy consumed is a function of the applied voltage, current, and time of application. Since for any given voltage range, the SuperFlash technology uses less current to program and has a shorter erase time, the total energy consumed during any Erase or Program operation is less than alternative flash technologies.

Features:

- 50% smaller than competition's 6mm x 8mm BGA packages
- Industry's smallest 1.8V packages for 8M-bit products
- Thinnest standard flash package in the industry
- Best total-cost solution for price sensitive, fast to market applications
- JEDEC approved packages
- For applications requiring high performace fatures such as set-top boxes, PDAs, digital cameras and networking equipment

RoHS Compliant

◆ Surface Mount Device

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time (ns)	Chip Rewrite Time (Sec) (Typ.)	Supply Voltage (V)	Operating Temperature (°C)	Price Each		
									1	50	100
◆804-39LF400A55CEKE	SST39LF400A-55-4C-EKE	TSOP-48	4M	256K x 16	55	4.0	3.0 to 3.6	0 to 70	2.88	2.53	2.30
◆804-39VF400A7CEKE	SST39VF400A-70-4C-EKE	TSOP-48	4M	256K x 16	70	4.0	2.7 to 3.6	0 to 70	2.50	2.20	2.00
◆804-39VF400A7CB3KE	SST39VF400A-70-4C-B3KE	TFBGA-48	4M	256K x 16	70	4.0	2.7 to 3.6	0 to 70	2.75	2.42	2.20
◆804-39VF400A7IEKE	SST39VF400A-70-4I-EKE	TSOP-48	4M	256K x 16	70	4.0	2.7 to 3.6	-40 to +85	3.00	2.64	2.40
◆804-39WF400A9CM1QE	SST39WF400A-90-4C-M1QE	WFBGA-48	4M	256K x 16	90	- - - - -	1.65 to 1.95	0 to 70	3.93	3.45	3.14
◆804-39SF0405CNHE	SST39SF040-45-4C-NHE	PLCC-32	4M	512K x 8	45	8.0	4.5 to 5.5	0 to 70	2.73	2.40	2.18
◆804-39SF0405CWHE	SST39SF040-45-4C-WHE	TSOP-32	4M	512K x 8	45	8.0	4.5 to 5.5	0 to 70	2.80	2.46	2.24
◆804-39SF0405INHE	SST39SF040-45-4I-NHE	PLCC-32	4M	512K x 8	45	8.0	4.5 to 5.5	-40 to +85	3.27	2.88	2.62
◆804-39LF0405CNHE	SST39LF040-45-4C-NHE	PLCC-32	4M	512K x 8	45	8.0	3.0 to 3.6	0 to 70	2.60	2.29	2.08
◆804-39LF0405CWHE	SST39LF040-45-4C-WHE	TSOP-32	4M	512K x 8	45	8.0	3.0 to 3.6	0 to 70	2.68	2.35	2.14
◆804-39SF0407CNHE	SST39SF040-70-4C-NHE	PLCC-32	4M	512K x 8	70	8.0	4.5 to 5.5	0 to 70	2.38	2.09	1.90
◆804-39SF0407CWHE	SST39SF040-70-4C-WHE	TSOP-32	4M	512K x 8	70	8.0	4.5 to 5.5	0 to 70	2.45	2.16	1.96
◆804-39SF0407IWHE	SST39SF040-70-4I-WHE	TSOP-32	4M	512K x 8	70	8.0	4.5 to 5.5	-40 to +85	2.94	2.59	2.35
◆804-39VF0407CNHE	SST39VF040-70-4C-NHE	PLCC-32	4M	512K x 8	70	8.0	2.7 to 3.6	0 to 70	2.25	1.98	1.80
◆804-39VF0407CWHE	SST39VF040-70-4C-WHE	TSOP-32	4M	512K x 8	70	8.0	2.7 to 3.6	0 to 70	2.33	2.05	1.86
◆804-39VF0407INHE	SST39VF040-70-4I-NHE	PLCC-32	4M	512K x 8	70	8.0	2.7 to 3.6	-40 to +85	2.70	2.38	2.16
◆804-39VF0407IWHE	SST39VF040-70-4I-WHE	TSOP-32	4M	512K x 8	70	8.0	2.7 to 3.6	-40 to +85	2.79	2.46	2.23
◆804-39VF400A7IB3KE	SST39VF400A-70-4I-B3KE	TFBGA-48	4M	512K x 8	70	4.0	2.7 to 3.6	-40 to +85	3.30	2.90	2.64
◆804-39LF800A55CEKE	SST39LF800A-55-4C-EKE	TSOP-48	8M	512K x 16	55	8.0	3.0 to 3.6	0 to 70	3.45	3.04	2.76
◆804-39LF800A55CB3KE	SST39LF800A-55-4C-B3KE	TFBGA-48	8M	512K x 16	55	8.0	3.0 to 3.6	0 to 70	3.70	3.26	2.96
◆804-39VF800A7CEKE	SST39VF800A-70-4C-EKE	TSOP-48	8M	512K x 16	70	8.0	2.7 to 3.6	0 to 70	3.00	2.64	2.40
◆804-39VF800A7CB3KE	SST39VF800A-70-4C-B3KE	TFBGA-48	8M	512K x 16	70	8.0	2.7 to 3.6	0 to 70	3.25	2.86	2.60
◆804-39VF800A7IB3KE	SST39VF800A-70-4C-B3KE	TFBGA-48	8M	512K x 16	70	8.0	2.7 to 3.6	0 to 70	3.90	3.43	3.12
◆804-39VF800A7IEKE	SST39VF800A-70-4I-EKE	TSOP-48	8M	512K x 16	70	8.0	2.7 to 3.6	-40 to +85	3.99	3.51	3.19
◆804-39VF800A7IB3KE	SST39VF800A-70-4I-B3KE	TFBGA-48	8M	512K x 16	70	8.0	2.7 to 3.6	-40 to +85	3.90	3.43	3.12
◆804-39WF800A904CM2QE	SST39WF800A-90-4C-M2QE	WFBGA-48	8M	512K x 16	90	- - - - -	1.65 to 1.95	0 to 70	4.65	4.09	3.72
◆804-39VF16017CEKE	SST39VF1601-70-4C-EKE	TSOP-48	16M	1M x 16	70	- - - - -	2.7 to 3.6	0 to 70	3.50	3.08	2.80
◆804-39VF16817CEKE	SST39VF1681-70-4C-EKE	TSOP-48	16M	2M x 8	70	- - - - -	2.7 to 3.6	0 to 70	3.68	3.23	2.94
◆804-39VF32017CB3KE	SST39VF3201-70-4C-B3KE	TFBGA-48	32M	2M x 16	70	- - - - -	2.7 to 3.6	0 to 70	5.88	5.17	4.70

36 SERIES CSF (CONCURRENT SUPER FLASH) PARALLEL FLASH

The 36 Series CSF (Concurrent Super Flash) is a dual-bank flash memory device designed for wireless communication and consumer applications.
The dual-bank architecture supports the Concurrent Red-Write operation where the user may read from one bank while programming or erasing in the other bank.

Features:

- Dual-bank architecture for Concurrent Read-While-Write operations
- Operating voltage: 2.7-3.6V for Read and Write operations
- Hardware top or bottom sector protection
- Flexible Erase capability
- Factory and User programmable security ID
- Erase-Suspend/Erase Resume
- User selectable x8/x16 Data Bus through a BYTE# pin
- Hardware Write protection through WP# pin

RoHS Compliant

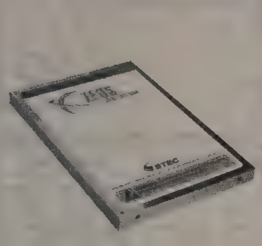
◆ Surface Mount Device

For quantities 500 and up, call for quote.

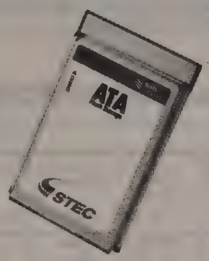
MOUSER STOCK NO.	SST Part No.	Package	Density	Organization	Access Time (ns)	Program Time (Us) (Typ.)	Supply Voltage (V)	Operating Temperature (°C)	Price Each		
									1	50	100
◆804-36VF1601E7CEKE	SST36VF1601E-70-4C-EKE	TSOP-48	16M	1Mx16 or 2Mx8	70	7.0	2.7 to 3.6	0 to 70	4.33	3.81	3.46
◆804-36VF32047EEKE	SST36VF3204-70-4E-EKE	TSOP-48	32M	2Mx16 or 4Mx8	70	7.0	2.7 to 3.6	-20 to +85	6.98	6.14	5.58

STEC Flash Memory

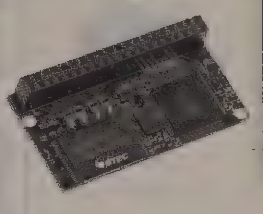
Products may be RoHS compliant.
Check mouser.com for RoHS status.


Zeus

CompactFLASH


ATA PC Card

SD Card


FlashDisk Module

STEC Solid State Drives

NEW! TECHNOLOGY

STEC's Zeus Solid State Drives are rugged, high-capacity, and high-throughput memory and mass storage solutions for mission-critical systems in a variety of industries. Applications include data recorders, oil pipeline inspection guides, industrial automation robots and scientific equipment. Features include: Non-volatile memory and no moving parts Compact design - only 9.5mm in height Up to 64GB storage capacity Advanced purge features that comply with government security guidance and 5 year warranty.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	STEC Part No.	Size	Capacity	Interface	Sustained Read/Write (MB/s)	Operating Temperature (°C)	Price Each
867-Z2A4A8I	Z2A4A8I	2.5"	8 GB	PATA	40	-40 to +85	2430.00
867-Z2A3A12I	Z2A3A12I	2.5"	12 GB	PATA	30	-40 to +85	3235.00
867-Z2A4A16I	Z2A4A16I	2.5"	16 GB	PATA	40	-40 to +85	3685.00
867-Z2S4A8I	Z2S4A8I	2.5"	8 GB	SATA	40	-40 to +85	2430.00
867-ZSA3A12I	Z2S3A12I	2.5"	12 GB	SATA	30	-40 to +85	3235.00
867-Z2S4A16I	Z2S4A16I	2.5"	16 GB	SATA	40	-40 to +85	3685.00

Type I CompactFlash Cards - Industrial Grade

RoHS Compliant

One of the most popular flash memory products in the world. STEC CompactFlash offers reliable, high-capacity storage that is compatible with CF Type I and Type II devices. Engineered for performance and reliability, these small, high speed cards are ideal for industrial and handheld applications.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	STEC Part No.	Density	Operating Voltage	Temperature Rating	Write/Erase Cycles	Hot Swappable	Price Each	
							1	10
867-SLCF128MM1U	SLCF128MM1U	128MB	3.3 or 5V	Commercial	2,000,000	Yes	44.91	42.11
867-SLCF128MM1UI	SLCF128MM1UI	128MB	3.3 or 5V	Industrial	2,000,000	Yes	38.18	36.77
867-SLCF256MM1U	SLCF256MM1U	256MB	3.3 or 5V	Commercial	2,000,000	Yes	46.34	43.44
867-SLCF256MM1UI	SLCF256MM1UI	256MB	3.3 or 5V	Industrial	2,000,000	Yes	54.14	50.76
867-SLCF512MM1U	SLCF512MM1U	512MB	3.3 or 5V	Commercial	2,000,000	Yes	63.99	59.92
867-SLCF512MM1UI	SLCF512MM1UI	512MB	3.3 or 5V	Industrial	2,000,000	Yes	73.73	69.03
867-SLCF1GM1U	SLCF1GM1U	1GB	3.3 or 5V	Commercial	2,000,000	Yes	76.55	71.68
867-SLCF1GM1UI	SLCF1GM1UI	1GB	3.3 or 5V	Industrial	2,000,000	Yes	86.55	80.97
867-SLCF2GM1U	SLCF2GM1U	2GB	3.3 or 5V	Commercial	2,000,000	Yes	107.56	99.06
867-SLCF2GM1UI	SLCF2GM1UI	2GB	3.3 or 5V	Industrial	2,000,000	Yes	122.04	112.41
867-SLCF4GM1U	SLCF4GM1U	4GB	3.3 or 5V	Commercial	2,000,000	Yes	188.64	172.29

CompactFlash Reader - Industrial Grade

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	STEC Part No.	Description	Temperature Rating	RoHS Compliant	Price Each	
					1	10
867-SLCFAD	SLCFAD	CompactFlash Reader	Commercial	No	9.00	8.00

ATA PC Card - Industrial Grade

STEC ATA PC cards are ideal alternatives to hard disk drives due to their high reliability and low cost per usable megabyte. ATA PC Card solutions are designed specifically for equipment requiring modular, standard form factors and moderate capacities (up to 8GB), such as telecommunication equipment, data recorders and avionics systems. ATA PC Cards are ideal "building blocks" for high-density, high-performance mass storage subsystems.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	STEC Part No.	Density Bytes	Operating Voltage	Temperature Rating	Write/Erase Cycles	Hot Swappable	RoHS Compliant	Price Each	
								1	10
867-SLATA128MM1U	SLATA128MM1U	128MB	3.3 or 5V	Commercial	2,000,000	Yes	No	46.69	43.77
867-SLATA256MM1U	SLATA256MM1U	256MB	2.7 to 3.6V	Commercial	2,000,000	Yes	No	55.94	52.44
867-SLATA512MM1U	SLATA512MM1U	512MB	2.7 to 3.6V	Commercial	2,000,000	Yes	No	75.47	70.66
867-SLATA1GM1U	SLATA1GM1U	1G	2.7 to 3.6V	Commercial	2,000,000	Yes	No	88.29	82.59

Secure Digital Cards

STEC Secure Digital (SD) Flash Memory Cards are small, removable and non-volatile flash memory with a high performance interface. STEC Industrial Grade SD cards are extremely reliable, durable and can handle extreme temperatures in a small space.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	STEC Part No.	Density Bytes	Operating Voltage	Temperature Rating	Write/Erase Cycles	Write Speed (MB/s)	Price Each	
							1	10
867-SLSD512BIU	SLSD512BIU	512 MB	2.7-3.6V	Industrial	2,000,000	9.5	68.22	63.87
867-SLSD1GBBU	SLSD1GBBU	1 GB	2.7-3.6V	Industrial	2,000,000	7.2	71.53	66.97
867-SLSD2GBBIU	SLSD2GBBIU	2 GB	2.7-3.6V	Industrial	2,000,000	7.1	122.34	112.69

FlashDisk Module - Industrial Grade

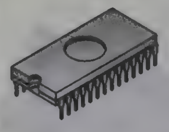
STEC Flash Disk Modules provide non-volatile, solid state data and program storage for embedded applications. Operating system, application software compatibility and portability are ensured by the Flash Disk Module's True IDE interface - There are no proprietary software drivers or connectors required. Because they have no moving parts, STEC Flash Disk Modules are inherently more rugged and reliable than rotation hard drives.

For quantities 100 and up, call for quote.

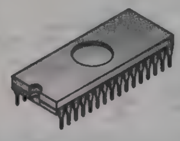
MOUSER STOCK NO.	STEC Part No.	Density Bytes	Form Factor	Operating Voltage	Temperature Rating	Write/Erase Cycles	RoHS Compliant	Price Each	
								1	10
867-SLFDM40V128MM1U	SLFDM40V128MM1U	128MB	40-Pin Low Profile Vertical	3.3 or 5V	Commercial	2,000,000	No	31.36	28.74
867-SLFDM40V256MM1U	SLFDM40V256MM1U	256	40-pin Low Profile Vertical	3.3 or 5 V	Commercial	2,000,000	No	37.42	34.30
867-SLFDM40V512MM1U	SLFDM40V512MM1U	512	40-pin Low Profile Vertical	3.3 or 5 V	Commercial	2,000,000	No	47.32	43.38
867-SLFDM40LPV-1GM1U	SLFDM40LPV-1GM1U	1GB	40-Pin Low Profile Vertical	3.3 or 5V	Commercial	2,000,000	No	83.00	75.00

STMICROELECTRONICS UV and OTP EPROMs

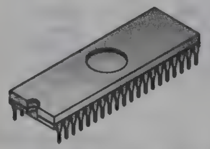
STMicroelectronics



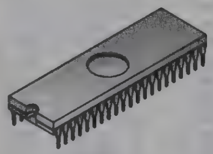
DIP-28



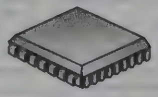
DIP-32



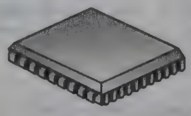
DIP-40



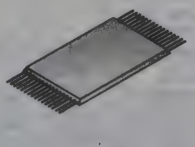
DIP-42



PLCC-32



PLCC-44



TSOP-32

STMicroelectronics offers a unique product portfolio of OTP and UV EPROM memories with densities from 256Kbit to 32Mbit, in standard and low voltage ranges. These technical features, together with an improved, very fast access time, make OTP and UV EPROM an innovative and high performance solution. They are ideal for Mask ROM replacement, bringing the advantage of flexibility for last minute programming of the latest software, without mask charge. UV EPROM and OTP ROMs are the ideal solutions for storage of system software and firmware for many applications including games, DVD players, printers and many others.

UV (ULTRA VIOLET ERASABLE) CMOS EPROMS

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each		
								1	10	100
Thru Hole										
511-M27C64A-15F	M27C64A-15F1	DIP-28	64K	8K X 8	150	0 to 70	5.0	3.67	3.61	3.15
511-M27C256B-70XF	M27C256B-70XF1	DIP-28	256K	32K X 8	70	0 to 70	5.0	2.28	2.25	1.96
511-M27C256B-90F6	M27C256B-90F6	DIP-28	256K	32K X 8	90	-40 to + 85	5V	2.28	2.25	1.96
511-M27C256B-10F	M27C256B-10F1	DIP-28	256K	32K X 8	100	0 to 70	5.0	2.28	2.25	1.96
511-M27C256B-12F	M27C256B-12F1	DIP-28	256K	32K X 8	120	0 to 70	5.0	2.28	2.25	1.96
511-M27C256B-12F6	M27C256B-12F6	DIP-28	256K	32K X 8	120	-40 to 85	5.0	2.28	2.25	1.96
511-M87C257-12F	M87C257-12F1	DIP-28	256K	32K X 8	120	0 to 70	5.0	5.79	5.70	4.97
511-M27C256B-15F	M27C256B-15F1	DIP-28	256K	32K X 8	150	0 to 70	5.0	2.28	2.25	1.96
511-M27C512-45XF	M27C512-45XF1	DIP-28	512K	64K X 8	45	0 to 70	5.0	2.38	2.34	2.04
511-M27C512-90B6	M27C512-90B6	DIP-28	512 K	64K X 8	90	-40 to + 85	5V	1.13	1.12	1.03
511-M27C512-70XF	M27C512-70XF1	DIP-28	512K	64K X 8	70	0 to 70	5.0	2.38	2.34	2.04
511-M27C512-90C1	M27C512-90C1	PLCC-32	512 K	64K X 8	90	0 to 70	5V	1.65	1.31	1.03
511-M27C512-10F	M27C512-10F1	DIP-28	512K	64K X 8	100	0 to 70	5.0	2.38	2.34	2.04
511-M27C512-10C6	M27C512-10C6	PLCC-32	512 K	64K X 8	100	-40 to + 85	5V	1.13	1.12	1.03
511-M27C512-12F	M27C512-12F1	DIP-28	512K	64K X 8	120	0 to 70	5.0	2.38	2.34	2.04
511-M27C512-15F	M27C512-15F1	DIP-28	512K	64K X 8	150	0 to 70	5.0	2.38	2.34	2.04
511-M27C512-15F6	M27C512-15F6	DIP-28	512K	64K X 8	150	-40 to 85	5.0	2.38	2.34	2.04
511-M27C1001-45XF	M27C1001-45XF1	DIP-32	1M	128K X 8	45	0 to 70	5.0	2.82	2.77	2.42
511-M27C1001-70F	M27C1001-70F1	DIP-32	1M	128K X 8	70	0 to 70	5.0	2.82	2.77	2.42
511-M27C1001-10F1	M27C1001-10F1	DIP-32	1M	128KB X 8	100	0 to 70	5V	4.10	3.57	3.15
511-M27C1001-12F	M27C1001-12F1	DIP-32	1M	128K X 8	120	0 to 70	5.0	2.82	2.77	2.42
511-M27C1001-12F6	M27C1001-12H6	DIP-32	1M	128K X 8	120	-40 to 85	5.0	2.82	2.77	2.42
511-M27C1001-15F	M27C1001-15F1	DIP-32	1M	128K X 8	150	0 to 70	5.0	2.82	2.77	2.42
511-M27C2001-70XF	M27C2001-70XF1	DIP-32	2M	256K X 8	70	0 to 70	5.0	3.87	3.81	3.32
511-M27C2001-10F	M27C2001-10F1	DIP-32	2M	256K X 8	100	0 to 70	5.0	3.87	3.81	3.32
511-M27C2001-12F	M27C2001-12F1	DIP-32	2M	256K X 8	120	0 to 70	5.0	3.87	3.81	3.32
511-M27C2001-15F	M27C2001-15F1	DIP-32	2M	256K X 8	150	0 to 70	5.0	3.87	3.81	3.32
511-M27C4002-80XF	M27C4002-80XF1	DIP-40	4M	256K X 16	80	0 to 70	5.0	7.83	7.71	6.72
511-M27C4002-10F	M27C4002-10F1	DIP-40	4M	256K X 16	100	0 to 70	5.0	7.83	7.71	6.72
511-M27C4002-12F	M27C4002-12F1	DIP-40	4M	256K X 16	120	0 to 70	5.0	7.83	7.71	6.72
511-M27C4001-45XF	M27C4001-45XF1	DIP-32	4M	512K X 8	45	0 to 70	5.0	5.25	5.17	4.51
511-M27W401-80F6	M27W401-80F6	DIP-32	4M	512K X 8	80	-40 to 85	3.0	5.43	4.90	4.37
511-M27C4001-80XF	M27C4001-80XF1	DIP-32	4M	512K X 8	80	0 to 70	5.0	5.25	5.17	4.51
511-M27C4001-10F	M27C4001-10F1	DIP-32	4M	512K X 8	100	0 to 70	5.0	5.25	5.17	4.51
511-M27C4001-12F	M27C4001-12F1	DIP-32	4M	512K X 8	120	0 to 70	5.0	5.25	5.17	4.51
511-M27C4001-12F6	M27C4001-12F6	DIP-32	4M	512K X 8	120	-40 to 85	5.0	5.25	5.17	4.51
511-M27C4001-15F	M27C4001-15F1	DIP-32	4M	512K X 8	150	0 to 70	5.0	5.25	5.17	4.51
511-M27C801-80F1	M27C801-80F1	DIP-32	8M	1M X 8	80	0 to 70	5.0	6.93	6.83	5.95
511-M27C801-90F	M27C801-90F1	DIP-32	8M	1M X 8	90	0 to 70	5.0	6.93	6.83	5.95
511-M27C801-10F	M27C801-100F1	DIP-32	8M	1M X 8	100	0 to 70	5.0	6.93	6.83	5.95
511-M27C801-12F	M27C801-120F1	DIP-32	8M	1M X 8	120	0 to 70	5.0	6.93	6.83	5.95
511-M27C160-10F	M27C160-100F1	DIP-42	16M	2M X 8 or 1M X 16	100	0 to 70	5.0	12.74	11.70	8.97
511-M27C322-10F	M27C322-100F1	DIP-42	32M	2M X 16	100	0 to 70	5.0	15.88	14.58	11.18

OTP (ONE TIME PROGRAMMABLE) CMOS EPROMS

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Supply Voltage (V)	Price Each		
								1	10	100
Surface Mount										
511-M27C256B-70C6	M27C256B-70C6	PLCC-32	256K	32K X 8	70	- 40 to 85	5.0	1.01	1.00	.92
511-M27C256B-90C	M27C256B-90C	PLCC-32	256K	32K X 8	100	0 to 70	5.0	1.10	1.07	.77
511-M27C256B-90C	M27C256B-90C	PLCC-32	256K	32K X 8	150	0 to 70	5.0	2.65	2.07	1.84
511-M27C256B-15C1TR	M27C256B-15C1TR	PLCC-32	256K	32K X 8	150	- 40 to 85	5.0	2.36	1.96	1.73
511-M27C512-70C6	M27C512-70C1	PLCC-32	512K	64K X 8	70	0 to 70	5.0	1.13	1.12	1.03
511-M27W512-10K6	M27W512-100K6	PLCC-32	512K	64K X 8	100	- 40 to 85	3.0	1.13	1.12	1.03
511-M27W101-80K6	M27W101-80K6	PLCC-32	1M	128K X 8	80	0 to 70	3.3	1.69	1.66	1.53
511-M27C1001-12C	M27C1001-12C1	PLCC-32	1M	128K X 8	120	0 to 70	5.0	2.68	2.64	2.30
511-M27C1001-12C6	M27C1001-12C6	PLCC-32	1M	128K X 8	120	- 40 to 85	5.0	1.69	1.66	1.53
511-M27C4002-70C1	M27C4002-70C1	PLCC-44	4M	256K X 16	80	- 40 to 85	5.0	3.37	3.32	2.89
True Hole										
511-M27C256B-12B	M27C256B-12B1	DIP-28	256K	32K X 8	120	0 to 70	5.0	2.24	1.96	1.73
511-M27C512-15B	M27C512-15B1	DIP-28	512K	64K X 8	150	0 to 70	5.0	2.38	2.34	2.04
511-M27C512-15B6	M27C512-15B6	DIP-28	512K	64K X 8	150	- 40 to 85	5.0	2.38	2.34	2.04
511-M27C1001-70B	M27C1001-70B1	DIP-32	1M	128K X 8	70	0 to 70	5.0	1.69	1.66	1.53
511-M27C1001-10B	M27C1001-10B1	DIP-32	1M	128K X 8	100	0 to 70	5.0	1.69	1.66	1.53
511-M27C2001-10B	M27C2001-10B1	DIP-32	2M	256K X 8	100	0 to 70	5.0	1.89	1.86	1.71

STMICROELECTRONICS Serial EEPROMS

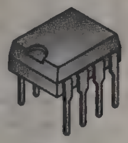
RoHS Compliant **This page of product is compliant.**

STMicroelectronics

ST Serial EEPROMs are the most flexible non-volatile memories for parameter storage because they can be written at byte level. ST offers the best portfolio in terms of densities, interfaces, low pin count and cost effective packages. Serial EEPROMs are available in various voltages and support I2C, SPI and Microwire buses. ST Quality, Manufacturing and Availability with a wide range of Serial Standard EEPROMs from1Kb up to 512Kb, 3 industry standard serial buses and 2.5V, 1.8V supply voltage ranges.

Many new applications require Serial EEPROM devices, especially in:

- Automotive (engine, dashboard, car radio, airbag and ABS)
- Communications (Corded and cordless phones, answering machines, fax, modem, networking)
- Consumer (TV, Set-Top Box, monitors, camcorder, audio MP3)
- Industrial (motor control, oscilloscope, Power/Gas meter, measuring instruments, home appliance) and Computer (printer, hard disk driver, mother board, CD-ROM, modem, keyboard).



DIP-8

I^{2}C BUS SERIAL EEPROMS

RoHS Compliant

For quantities of 250 and up, call for quote.

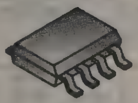
MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Supply Current (mA)	Price Each		
								1	10	100
Surface Mount										
511-M24C01-WMN6P	M24C01-WMN6P	SO-8	1K	128 x 8	- 40 to + 85	2.5 to 5.5	1.0	.23	.21	.19
511-M24C02-WMN6P	M24C02-WMN6P	SO-8	2K	256 x 8	- 40 to + 85	2.5 to 5.5	1.0	.25	.23	.21
511-M24C04-WMN6P	M24C04-WMN6P	SO-8	4K	512 x 8	- 40 to + 85	2.5 to 5.5	1.0	.27	.25	.22
511-M24C08-WMN6P	M24C08-WMN6P	SO-8	8K	1K x 8	- 40 to + 85	2.5 to 5.5	1.0	.29	.27	.24
511-M24C16-WMN6P	M24C16-WMN6P	SO-8	16K	2K x 8	- 40 to + 85	2.5 to 5.5	1.0	.33	.30	.28
511-M24C32-MN6	M24C32-MN6	SO-8	32K	4K x 8	- 40 to + 85	4.5 to 5.5	2.0	1.89	1.86	1.71
511-M24C32-WMN6P	M24C32-WMN6P	SO-8	32K	4K x 8	- 40 to + 85	2.5 to 5.5	1.0	.43	.40	.36
511-M24C64-WMN6P	M24C64-WMN6P	SO-8	64K	8K x 8	- 40 to + 85	2.5 to 5.5	1.0	.52	.51	.47
Thru Hole										
511-M24C01-WBN6P	M24C01-WBN6P	DIP-8	1K	128 x 8	- 40 to + 85	2.5 to 5.5	1.0	.23	.21	.19
511-M24C02-WBN6P	M24C02-WBN6P	DIP-8	2K	256 x 8	- 40 to + 85	2.5 to 5.5	1.0	.25	.23	.21
511-M24C04-WBN6P	M24C04-WBN6P	DIP-8	4K	512 x 8	- 40 to + 85	2.5 to 5.5	1.0	.27	.25	.22
511-M24C16-WBN6P	M24C16-WBN6P	DIP-8	16K	2K X 8	- 40 to + 85	2.5 to 5.5	1.0	.28	.26	.23
511-M24C64-WBN6P	M24C64-WBN6P	DIP-8	64K	8K X 8	- 40 to + 85	2.5 to 5.5	1.0	.52	.51	.47

MICROWIRE BUS SERIAL EEPROMS

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Supply Current (mA)	Price Each		
								1	10	100
Surface Mount										
511-M93S46-WMN6P	M93S46-WMN6P	SO-8	1K	64 X 16	- 40 to + 85	2.5 to 5.5	1.5	.35	.32	.29
511-M93C46-WMN6P	M93C46-WMN6P	SO-8	1K	128 X 8 or 64 X 16	- 40 to + 85	2.5 to 5.5	1.5	.25	.23	.21
511-M93C56-WMN6P	M93C56-WMN6P	SO-8	2K	256 X 8 or 128 X 16	- 40 to + 85	2.5 to 5.5	1.5	.27	.25	.22
511-M93S66-WMN6P	M93S66-WMN6P	SO-8	4K	256 X 16	- 40 to + 85	2.5 to 5.5	1.5	.41	.38	.34
511-M93C66-WMN6P	M93C66-WMN6P	SO-8	4K	512 X 8 or 256 X 16	- 40 to + 85	2.5 to 5.5	1.5	.33	.30	.28
511-M93C86-WMN6P	M93C86-WMN6P	SO-8	16K	2K X 8 or 1K X 16	- 40 to + 85	2.5 to 5.5	1.5	.47	.43	.40
Thru Hole										
511-M93C46-WBN6P	M93C46-WBN6P	DIP-8	1K	128 X 8 or 64 X 16	- 40 to + 85	2.5 to 5.5	1.5	.25	.23	.21
511-M93C86-BN6P	M93C86-BN6P	DIP-8	16K	2K X 8 or 1K X 16	- 40 to + 85	4.5 to 5.5	1.5	.45	.39	.35
511-M93C86-WBN6P	M93C86-WBN6P	DIP-8	16K	2K X 8 or 1K X 16	- 40 to + 85	2.5 to 5.5	1.5	.47	.43	.40



SO-8

SPI BUS SERIAL EEPROMS

RoHS Compliant

For quantities of 250 and up, call for quote.

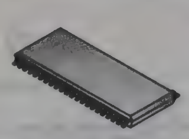
MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Temperature Range (°C)	Operating Voltage (V)	Supply Current (mA)	Price Each		
								1	10	100
Surface Mount										
511-M95160-WMN6P	M95160-WMN6P	SO-8	16K	2K X 8	- 40 to + 85	2.5 to 5.5	2.0	.51	.47	.43
511-M95640-WMN6P	M95640-WMN6P	SO-8	64K	8K X 8	- 40 to + 85	2.5 to 5.5	2.0	.69	.68	.63

STMICROELECTRONICS Non-Volatile RAMs

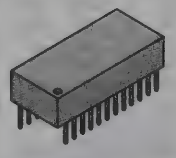
STMicroelectronics

Products may be RoHS compliant.
Check mouser.com for RoHS status.

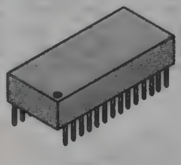
SOH-28



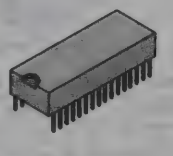
SO-44



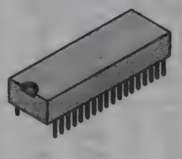
PCDIP-24



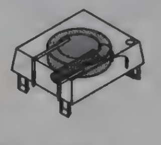
PCDIP-28



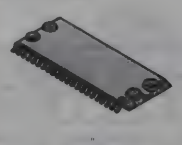
DIP-32 Module



DIP-36 Module



SH-28

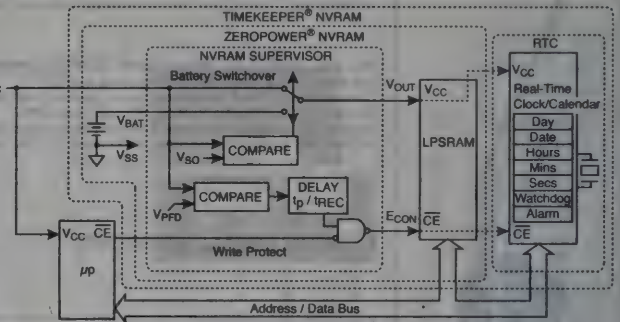


SOH-44

ZEROPOWER® NON-VOLATILE RAMS

ZEROPOWER® NVRAMs combine Low Power SRAMs and Automatic Battery Switchover and Write Protect circuits to implement Non-Volatile RAMs. They can be used just like standard SRAMs, but retain their contents when power is removed. Densities range from 16Mbits down to 16Kbits.

ZEROPOWER® NVRAMs retain their data, even when there is "ZERO" power present. Two key components comprise a ZEROPOWER® NVRAM: a Low-Power SRAM and an NVRAM Supervisor. The LPSRAM typically draws less than 1 micro-amp when powered by a battery and can retain its data for years when powered by only a small, lithium cell. The Battery Switchover Circuit switches the LPSRAM from system power (Vcc) to the battery (Vbat). It monitors Vcc and when it begins to fall, the battery is connected to the LPSRAM. When Vcc begins to fall, a microprocessor can behave erratically. It could inadvertently overwrite and corrupt the LPSRAM's contents. The Write Protect Circuit cuts off access to the LPSRAM to prevent this. All of ST's ZEROPOWER® NVRAMs include these features. No other special circuits are required. At densities of 256K-bits and below, the NVRAM Supervisor is integrated into the silicon with the LPSRAM. For higher densities, the two are separate ICs.



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Access Time(ns)	Temp. Range (°C)	Supply Voltage (V)	Nominal Battery Cap.(mAh)	Price Each		
									1	10	100
Surface Mount											
511-M48Z58Y70MH1E	M48Z58Y-70MH1E	SOH-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	**7.83**	**7.71**	**6.72**
511-M48Z35Y70MH1E	M48Z35Y-70MH1E	SOH-28	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	**11.52**	**10.58**	**8.11**
Thru Hole											
511-M48Z0270PC1	M48Z02-70PC1	PCDIP-24	16K	2K X 8	70	0 to 70	4.75 to 5.5	-	**8.91**	**8.78**	**7.65**
511-M48Z0215PC1	M48Z02-150PC1	PCDIP-24	16K	2K X 8	150	0 to 70	4.75 to 5.5	-	**8.91**	**8.78**	**7.65**
511-M48Z0220PC1	M48Z02-200PC1	PCDIP-24	16K	2K X 8	200	0 to 70	4.75 to 5.5	-	**10.80**	**9.68**	**7.65**
511-M48Z1270PC1	M48Z12-70PC1	PCDIP-24	16K	2K X 8	70	0 to 70	4.5 to 5.5	-	**9.90**	**9.75**	**8.50**
511-M48Z1215PC1	M48Z12-150PC1	PCDIP-24	16K	2K X 8	150	0 to 70	4.5 to 5.5	-	**9.53**	**9.38**	**8.18**
511-M48Z0810PC1	M48Z08-100PC1	PCDIP-28	64K	8K X 8	100	0 to 70	4.75 to 5.5	-	**13.80**	**12.68**	**9.72**
511-M48Z1810PC1	M48Z18-100PC1	PCDIP-28	64K	8K X 8	100	0 to 70	4.5 to 5.5	-	**13.80**	**12.68**	**9.72**
511-M48Z58Y70PC1	M48Z58Y-70PC1	PCDIP-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	**11.33**	**10.41**	**7.98**
511-M48Z5870PC1	M48Z58-70PC1	PCDIP-28	64K	8K X 8	70	0 to 70	4.75 to 5.5	-	**11.33**	**10.41**	**7.98**
511-M48Z35AV10PC1	M48Z35AV-10PC1	PCDIP-28	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	**12.55**	**11.52**	**8.84**
511-M48Z35Y70PC1	M48Z35Y-70PC1	PCDIP-28	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	**17.04**	**15.65**	**12.00**
511-M48Z3570PC1	M48Z35-70PC1	PCDIP-28	256K	32K X 8	70	0 to 70	4.75 to 5.5	-	**17.04**	**15.65**	**12.00**
511-M48Z128Y70PM1	M48Z128Y-70PM1	DIP-32 Module	1M	128K X 8	70	0 to 70	4.5 to 5.5	-	**22.36**	**19.24**	**16.90**
511-M48Z128Y85PM1	M48Z128Y-85PM1	DIP-32 Module	1M	128K X 8	85	0 to 70	4.5 to 5.5	-	**25.80**	**22.20**	**19.50**
511-M48Z12870PM1	M48Z128-70PM1	DIP-32 Module	1M	128K X 8	70	0 to 70	4.75 to 5.5	-	**22.36**	**19.24**	**16.90**
511-M48Z512AY70PM1	M48Z512AY-70PM1	DIP-32 Module	4M	512K X 8	70	0 to 70	4.5 to 5.5	-	**60.20**	**51.80**	**45.50**
511-M48Z512A70PM1	M48Z512A-70PM1	DIP-32 Module	4M	512K X 8	70	0 to 70	4.75 to 5.5	-	**60.20**	**51.80**	**45.50**
Snaphat Battery & Crystal for Realtime Clocks			Description								
511-M4Z28BR00SH1	M4Z28-BR00SH1	SH-28	For SOH-28 Zeropower SRAMs			0 to 70	-	48.0	**4.56**	**4.49**	**3.91**
511-M4Z32BR00SH1	M4Z32-BR00SH1	SH-28	For SOH-28 Zeropower SRAMs			0 to 70	-	120.0	**7.03**	**6.93**	**6.04**

TIMEKEEPER® NON-VOLATILE RAMS

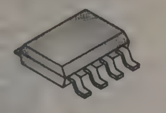
TIMEKEEPER® NVRAMs build on ST's ZEROPOWER® NVRAMs by adding non-volatile Real-Time Clocks. The Automatic Battery Switchover and Write Protect circuits are extended to the RTC section where counter-registers keep track of year, month, day, date, hours, minutes, and seconds. A low-power 32KHz oscillator provides the timing. It is optimized to draw only a tiny amount of current - as low as 40nA - so it adds only a small additional load to the battery. The RTC registers are mapped into the LPSRAM. Eight to 16 bytes of the LPSRAM are replaced by the RTC registers. The day, date, and time are read and written just like RAM locations.

For quantities of 250 and up, call for quote.

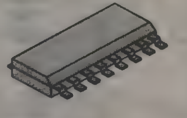
MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Access Time(ns)	Temp. Range (°C)	Supply Voltage (V)	Nominal Battery Cap.(mAh)	Price Each		
									1	10	100
Surface Mount											
511-M48T58Y70MH1E	M48T58Y-70MH1E	SOH-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	**9.81**	**9.66**	**8.42**
511-M48T59Y70MH1E	M48T59Y-70MH1E	SOH-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	**11.33**	**10.40**	**7.98**
511-M48T08Y10MH1E	M48T08Y-10MH1E	SOH-28	64K	8K X 8	100	0 to 70	4.5 to 5.5	-	**13.59**	**12.48**	**9.57**
511-M48T35AV10MH1E	M48T35AV-10MH1E	SOH-28	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	**14.25**	**10.05**	**9.55**
511-M48T35Y70MH1E	M48T35Y-70MH1E	SOH-28	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	**14.18**	**13.02**	**9.98**
511-M48T37V10MH1E	M48T37V-10MH1E	SOH-44	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	**15.90**	**11.13**	**10.09**
Thru Hole											
511-M48T0270PC1	M48T02-70PC1	PCDIP-24	16K	2K X 8	70	0 to 70	4.75 to 5.5	-	**15.55**	**14.28**	**10.95**
511-M48T0220PC1	M48T02-200PC1	PCDIP-24	16K	2K X 8	200	0 to 70	4.75 to 5.5	-	**15.68**	**14.40**	**11.04**
511-M48T1220PC1	M48T12-200PC1	PCDIP-24	16K	2K X 8	200	0 to 70	4.5 to 5.5	-	**15.68**	**14.40**	**11.04**
511-M48T5870PC1	M48T58-70PC1	PCDIP-28	64K	8K X 8	70	0 to 70	4.75 to 5.5	-	**17.64**	**16.20**	**12.42**
511-M48T59Y70PC1	M48T59Y-70PC1	PCDIP-28	64K	8K X 8	70	0 to 70	4.5 to 5.5	-	**19.60**	**18.00**	**13.80**
511-M48T0810PC1	M48T08-100PC1	PCDIP-28	64K	8K X 8	100	0 to 70	4.75 to 5.5	-	**19.60**	**18.00**	**13.80**
511-M48T1810PC1	M48T18-100PC1	PCDIP-28	64K	8K X 8	100	0 to 70	4.5 to 5.5	-	**19.60**	**18.00**	**13.80**
511-M48T35AV10PC1	M48T35AV-10PC1	PCDIP-28	256K	32K X 8	100	0 to 70	3.0 to 3.6	-	**16.96**	**15.57**	**11.94**
511-M48T35Y70PC1	M48T35Y-70PC1	PCDIP-28	256K	32K X 8	70	0 to 70	4.5 to 5.5	-	**19.60**	**18.00**	**13.80**
511-M48T3570PC1	M48T35-70PC1	PCDIP-28	256K	32K X 8	70	0 to 70	4.75 to 5.5	-	**19.60**	**18.00**	**13.80**
511-M48T128Y70PM1	M48T128Y-70PM1	DIP-32 Module	1M	128K X 8	70	0 to 70	4.5 to 5.5	-	**30.96**	**26.64**	**23.40**
511-M48T512Y70PM1	M48T512Y-70PM1	DIP-32 Module	4M	512K X 8	70	0 to 70	4.5 to 5.5	-	**68.80**	**59.20**	**52.00**
Snaphat Battery & Crystal for Timekeeper Non-Volatile RAMs			Description								
511-M4T28BR12SH1	M4T28-BR12SH1	SH-28	For SOH-28 & 44 realtime clocks			0 to 70	-	48	**4.26**	**4.20**	**3.66**
511-M4T32BR12SH1	M4T32-BR12SH1	SH-28	For SOH-28 & 44 realtime clocks			0 to 70	-	120	**6.24**	**6.15**	**5.36**
511-M4T32BR12SH6	M4T32-BR12SH6	SH-28	For SOH-28 & 44 realtime clocks			-40 to +85	-	120	**7.23**	**7.12**	**6.21**

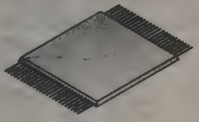
STMICROELECTRONICS Flash Memory

STMicroelectronics

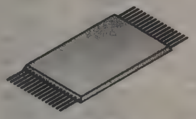

SO-8

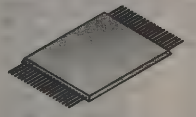
VDFPN-8

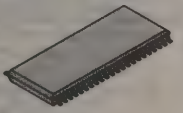

SO-16

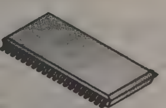

TSOP-48

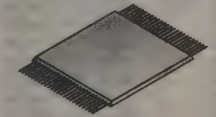
PLCC-32

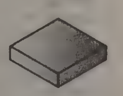

TSOP-32

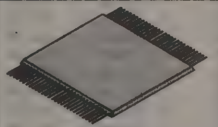

TSOP-40


SO-44


SO-40


TSOP-48


TFBGA-48

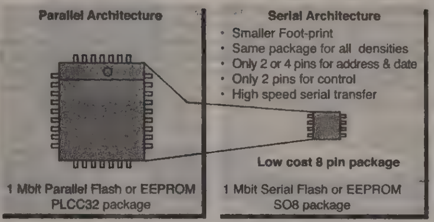

TSOP-56

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, SERIAL

If you are looking for a fast, high density Serial NVM, the M25P series at 40/50MHz, are significantly faster than competitive flash-based serial access solutions. With their fast system speed, sequential read capability, low power consumption, small package and low cost, ST's Serial Flash family offers added value to both high and low end applications. ST's family of high-speed low-voltage Serial Flash memory includes devices from 512Kb to 64Mb. They feature a four-wire SPI-compatible interface with guaranteed compatibility to future higher and lower densities. Reduced power consumption is enabled by a single supply voltage of 2.7V to 3.6V plus a deep power-down mode that typically draws 1μA.

Features:

- Best in class frequency performance: 40MHz from 512Kb to 8Mbit and 50MHz from 16Mb to 64Mbit!
- Largest portfolio: From 512Kb to 64Mb and above
- Deep Power Down Mode (1μA typical)
- Single 2.7 to 3.6V Supply Voltage
- Smallest packages: S0-8 Narrow from 512Kbit to 4Mbit, S0-8 wide for the 8Mbit, S0-16 wide for the 16Mbit, 32Mbit and the 64Mbit, 512Kbit in TSSOP-8


Parallel Architecture

1 Mbit Parallel Flash or EEPROM PLCC32 package

Serial Architecture

- Smaller Foot-print
- Same package for all densities
- Only 2 or 4 pins for address & date
- Only 2 pins for control
- High speed serial transfer

Low cost 8 pin package

1 Mbit Serial Flash or EEPROM SO8 package

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Clock Freq. (MHz)	Temp. Range (°C)	Operating Voltage (V)	Erase Sector/Bulk Size	Price Each		
									1	10	100
Surface Mount											
511-M25P05-AVMN6P	M25P05-AVMN6P	SO-8	512K	64K X 8	50	- 40 to + 85	2.7 to 3.6	256K/512K	**.99**	**.98**	**.90**
511-M25P10-AVMN6P	M25P10-AVMN6P	SO-8	1M	128K X 8	50	- 40 to + 85	2.7 to 3.6	256K/1M	**1.19**	**1.17**	**1.08**
511-M25P20-VM6P	M25P20-VM6P	SO-8	512K	256 X 8	50	- 40 to + 85	2.7 to 3.6	512K/2M	**2.00**	**1.59**	**1.24**
511-M25P40-VMN6P	M25P40-VMN6P	SO-8	4M	512K X 8	40	- 40 to + 85	2.7 to 3.6	512K/4M	**1.89**	**1.86**	**1.71**
511-M25P40-VMP6TG	M25P40-VMP6TG	VDFPN-8	4M	512K X 8	40	- 40 to + 85	2.7 to 3.6	512K/4M	**2.36**	**2.33**	**2.03**
511-M25P80-VMW6G	M25P80-VMW6G	SO-8	8M	1M X 8	40	- 40 to + 85	2.7 to 3.6	512K/8M	**2.94**	**2.89**	**2.52**
511-M25P80-VMP6TG	M25P80-VMP6TG	VDFPN-8	8M	1M X 8	40	- 40 to + 85	2.7 to 3.6	512K/8M	**3.09**	**3.05**	**2.66**
511-M25P16-VMF6P	M25P16-VMF6P	SO-16	16M	2M X 8	50	- 40 to + 85	2.7 to 3.6	512K/16M	**3.35**	**3.30**	**2.88**
511-M25P32-VMF6P	M25P32-VMF6P	SO-16	32M	4M X 8	50	- 40 to + 85	2.7 to 3.6	512K/32M	**5.51**	**5.43**	**4.73**

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, PAGE ERASABLE SERIAL

- Sequential Read
- 1MB: Full memory READ in 42ms @ 2.7V
- From 1 up to 256 byte programming in one shot (1ms)
- Erasable by page (256 Byte) or by sector
- Write feature offering Byte granularity
- 25MHz and above Clock Rate
- Single 2.7 to 3.6V Supply Voltage
- SPI Bus Compatible Serial Interface

For quantities of 250 and up, call for quote.

Surface Mount											
511-M45PE40-VMP6G	M45PE40-VMP6G	VDFPN-8	4M	512K X 8	25.0	- 40 to + 85	2.7 to 3.6	256/512K	**2.62**	**2.58**	**2.25**
511-M45PE80-VMP6G	M45PE80-VMP6G	VDFPN-8	8M	1M X 8	25.0	- 40 to + 85	2.7 to 3.6	256/512K	**5.35**	**5.27**	**4.59**

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, NAND

- Copy Back program mode, to optimize management of defective blocks
- Chip Enable Don't Care, for an easy code download by MCUs
- Boot from NAND at power-on, to download boot sectors to RAM space
- Security Identifier and Serial Number OTP area
- Hardware data protection pin

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Clock Freq. (MHz)	Temp. Range (°C)	Operating Voltage (V)	Single Level Cell	Price Each		
									1	10	100
Surface Mount											
511-NAND01GW3B2AN6E	NAND01GW3B2AN6E	PLCC-32	1G	128M X 8	12	- 40 to + 85	2.7 to 3.6	Small	**29.24**	**25.16**	**22.10**

STMICROELECTRONICS SINGLE VOLTAGE (3V) FLASH MEMORY, NOR

- Advanced 0.15μm technology
- Common Flash Interface (CFI)
- Choice of symmetrical and asymmetrical block architecture
- Automatic stand-by mode
- Wide choice of packages
- Security Features
- High performance:
  - 45ns access time at 3V and 5V
  - Full extended Operating Temp. -40 to +85°C
  - Very fast erase and programming time
  - 12V Vpp fast programming option

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Access Time (ns)	Temp. Range (°C)	Operating Voltage (V)	Array Matrix	Price Each		
									1	10	100
Surface Mount											
511-M29W640FB70N6E	M29W640FB70N6E	TSOP-48	64M	8M X 8 or 4M X16	70	-40 to + 85	2.7 to 3.6	Bottom Boot	**7.92**	**7.80**	**6.80**
511-M29W800DB70N	M29W800DB70N1	TSOP-48	8M	1M X 8 or 512K X 16	70	0 to 70	2.7 to 3.6	Bottom Boot	**3.07**	**3.03**	**2.64**
511-M29W800DT70N	M29W800DT70N1	TSOP-48	8M	1M X 8 or 512K X 16	70	0 to 70	2.7 to 3.6	Top Boot	**3.07**	**3.03**	**2.64**
511-M29W800DB70N6E	M29W800DB70N6E	TSOP-48	8M	1M X 8 or 512K X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	**3.07**	**3.03**	**2.64**
511-M29W800DB70ZE6E	M29W800DB70ZE6E	TFBGA-48	8M	1M X 8 or 512K X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	**3.96**	**3.90**	**3:40**
511-M29W160EB70N6E	M29W160EB70N6E	TSOP-48	16M	2M X 8 or 1M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	**3.96**	**3.90**	**3.40**
511-M29W160EB70ZA6E	M29W160EB70ZA6E	TFBGA-48	16M	2M X 8 or 1M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	**3.96**	**3.90**	**3.40**
511-M29W320EB70N6E	M29W320EB70N6E	TS0P-48	32M	4M X 8 or 2M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	**6.34**	**6.24**	**5.44**
511-M29W320EB70ZE6E	M29W320EB70ZE6E	TFBGA-48	32M	4M X 8 or 2M X 16	70	-40 to +85	2.7 to 3.6	Bottom Boot	**6.34**	**6.24**	**5.44**
511-M58LW032D110N6	M58LW032D110N6	TSOP-56	32M	4M X 8 or 2M X 16	110	-40 to +85	2.7 to 3.6	Uniform Block	**9.81**	**9.66**	**8.42**
511-M29W640DB90N6E	M29W640DB90N6E	TSOP-48	64M	8M X 8 or 4M X 16	110	-40 to +85	2.7 to 3.6	Bottom Boot	**20.70**	**15.30**	**13.50**
511-M58LW064D110N6	M58LW064D110N6	TSOP-56	64M	8M X 8 or 4M X 16	110	-40 to +85	2.7 to 3.6	Uniform Block	**17.55**	**16.11**	**12.36**

STMICROELECTRONICS SINGLE VOLTAGE (5V) FLASH MEMORY, NOR

- Advanced 0.15μm technology
- Common Flash Interface (CFI)
- Choice of symmetrical and asymmetrical block architecture
- Security Features
- Automatic stand-by mode
- Wide choice of packages
- High performance:
  - 45ns access time at 3V and 5V
  - Full extended Operating Temp. -40 to +85°C
  - Very fast erase and programming time
  - 12V Vpp fast programming option

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	Density	Organization	Access Time (ns)	Temp. Range (°C)	Operating Voltage (V)	Array Matrix	Price Each		
									1	10	100
Surface Mount											
511-M29F010B70K6E	M29F010B70K6E	PLCC 32	1M	128K X 8	45	-40 to + 85	4.5 to 5.5	Uniform Block	**1.89**	**1.71**	**1.71**
511-M29F032D70N6	M29F032D70N6	TSOP-40	32M	4M X 8	70	-40 to +85	4.5 to 5.5	Uniform Block	**8.91**	**7.65**	**7.65**

ACTEL FPGAs

STARTER KITS

Demo and Evaluation Boards

Low-cost starter kits are a quick and cost-effective way to assess an FPGA technology, without the expense and time needed to design a specialized evaluation board. Unlike a specific technology demonstrator board, which would only be applicable to one application area, a starter kit provides you with design and programming software and device programmers. For an Actel flash-based device, the kit contains a board with an FPGA, a programming interface and associated programmer, and programming and design oftware. Actel offers Igloo, Fusion, ProASIC3/E, ProASIC Plus and Axcelerator Starter Kits.

NEW FROM SUPPLIER

IGLOO

MOUSER STOCK NO.	Actel Part No.	Price Each
892-AGL-DEV-KIT-SCS	AGL-DEV-KIT-SCS	381.25

NEW FROM SUPPLIER

ARM M1-enabled Solutions

892-M1AFS-DEV-KIT	M1AFS-DEV-KIT-SCS	362.50
892-M1A3P-DEV-KIT	M1A3P-DEV-KIT-SCS	362.50

Fusion

892-AFS-EVAL-KIT	AFS-EVAL-KIT	436.25
892-AFS-PROTO-KIT	AFS-PROTO-KIT	1248.75
892-AFS-BRD600	AFS-BRD600	306.25
892-AFS-BRD600-SKT	AFS-BRD600-SKT	1118.75

ProASIC3 and ProASIC3E

MOUSER STOCK NO.	Actel Part No.	Price Each
892-A3P-EVAL-KIT	A3P-EVAL-KIT	373.75
892-A3P-PROTO-KIT	A3P-PROTO-KIT	473.75
892-A3PE-EVAL-KIT	A3PE-EVAL-KIT	398.28
892-A3PE-PROTO-KIT	A3PE-PROTO-KIT	498.62
892-A3P-BRD250	A3P-BRD250	243.75
892-A3P-BRD250-SKT	A3P-BRD250-SKT	343.75
892-A3PE-BRD600	A3PE-BRD600	243.75
892-A3PE-BRD600-SKT	A3PE-BRD600-SKT	343.75

ProASIC Plus

892-APA-ISP-DEMO	APA-ISP-DEMO	1875.00
892-APA-EVAL-BRD1	APA-EVAL-BRD1	148.75
892-APA-EVAL-KIT	APA-EVAL-KIT	248.75

Axcelerator

892-AX-EVAL-BRD-BP	AX-EVAL-BRD-BPLANE	312.50
892-AX-BRD250	AX--BRD250	186.25
892-AX-EVAL-KIT	AX-EVAL-KIT	248.75

FLASH FPGAs

ProASIC3 Series

The Lowest Cost FPGA Solution

ProASIC3/E devices, the third generation of Actel's nonvolatile flash FPGAs, offer a breakthrough in price, performance, density and features for today's most demanding high-volume, value-based applications, including automotive and consumer. The single-chip, reprogrammable, low-power ProASIC3/E devices support 30 k to 3 M gates and up to 616 high-performance I/Os.

RoHS Compliant

MOUSER STOCK NO.	Actel Part No.	Package Type	System Gates	Typical Gates	Logic Modules	Max. Flip-Flops	SRAM Bits	Max. I/O Available	Max. I/O Single-Ended	Max. I/O Double-Ended	Price Each	
											1	24
892-A3P060-FGG144	A3P060-FGG144	FBGA-144	60,000	42,000	1,536	1,818	18 k	96	96	–	18.59	15.42
892-A3P060-QNG132	A3P060-QNG132	QFN-132	60,000	42,000	1,536	1,818	18 k	80	80	–	15.84	13.15
892-A3P060-VQG100	A3P060-VQG100	VQFP-100	60,000	42,000	1,536	1,818	18 k	71	71	–	14.67	12.18
892-A3P125-FGG144	A3P125-FGG144	FBGA-144	125,000	85,000	3,072	3,465	36 k	97	97	–	23.19	19.25
892-A3P125-PQG208	A3P125-PQG208	PQFP-208	125,000	85,000	3,072	3,465	36 k	133	133	–	27.92	23.18
892-A3P125-QNG132	A3P125-QNG132	QFN-132	125,000	85,000	3,072	3,465	36 k	84	84	–	20.41	16.94
892-A3P125-TQG144	A3P125-TQG144	TQFP-144	125,000	85,000	3,072	3,465	36 k	100	100	–	25.94	21.53
892-A3P250-FGG144	A3P250-FGG144	FBGA-144	250,000	140,000	6,144	6,612	36 k	97	97	24	25.15	20.88
892-A3P250-FGG256	A3P250-FGG256	FBGA-256	250,000	140,000	6,144	6,612	36 k	157	157	38	36.65	30.42
892-A3P250-PQG208	A3P250-PQG208	PQFP-208	250,000	140,000	6,144	6,612	36 k	151	151	34	34.06	28.27
892-A3P250-QNG132	A3P250-QNG132	QFN-132	250,000	140,000	6,144	6,612	36 k	87	87	19	25.94	21.53
892-A3P250-VQG100	A3P250-VQG100	VQFP-100	250,000	140,000	6,144	6,612	36 k	68	68	13	24.77	20.56
892-A3P400-FGG144	A3P400-FGG144	FBGA-144	400,000	210,000	9,216	9,765	54 k	97	97	25	37.46	31.09
892-A3P400-FGG256	A3P400-FGG256	FBGA-256	400,000	210,000	9,216	9,765	54 k	178	178	38	41.78	34.68
892-A3P400-FGG484	A3P400-FGG484	FBGA-484	400,000	210,000	9,216	9,765	54 k	194	194	38	53.70	44.57
892-A3P400-PQG208	A3P400-PQG208	PQFP-208	400,000	210,000	9,216	9,765	54 k	151	151	34	42.19	35.01
892-A3P1000-FGG144	A3P1000-FGG144	FBGA-144	1,000,000	560,000	24,576	25,416	144 k	97	97	25	77.66	64.46
892-A3P1000-FGG256	A3P1000-FGG256	FBGA-256	1,000,000	560,000	24,576	25,416	144 k	177	177	44	82.39	68.38
892-A3P1000-FGG484	A3P1000-FGG484	FBGA-484	1,000,000	560,000	24,576	25,416	144 k	300	300	74	94.71	78.61
892-A3P1000-PQG208	A3P1000-PQG208	PQFP-208	1,000,000	560,000	24,576	25,416	144 k	154	154	35	85.38	70.87

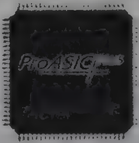
ProASIC Plus Series

The Capabilities of ASICs with the Flexibility of FPGAs

Actel's second generation of flash-based FPGA solutions, ProASIC Plus devices with FlashLock® expand on all the features and benefits offered by Actel's flash technology. The secure, live at power-up, low power ProASIC Plus devices offer the unique combination of reprogrammability and ASIC design flow in a nonvolatile programmable logic product.

Features:

- 2.5V and 3.5V CMOS Drive
- 3.3V PCI I/O
- Slew rate control
- JTAG
- 33MHz PCI
- PLL
- 4 routed clocks



RoHS Compliant

MOUSER STOCK NO.	Actel Part No.	Package Type	System Gates	Typical Gates	Logic Modules	Max. Flip-Flops	SRAM Bits	Max. I/O Available	Price Each	
									1	24
892-APA075-FGG144	APA075-FGG144	FBGA-144	75,000	32,000	3,072	3,072	27 k	100	42.00	34.86
892-APA075-PQG208	APA075-PQG208	PQFP-208	75,000	32,000	3,072	3,072	27 k	158	40.00	33.20
892-APA075-TQG100	APA075-TQG100	TQFP-100	75,000	32,000	3,072	3,072	27 k	66	29.00	24.07
892-APA075-TQG144	APA075-TQG144	TQFP-144	75,000	32,000	3,072	3,072	27 k	107	40.00	33.20
892-APA150-BGG456	APA150-BGG456	PBGA-456	150,000	65,000	6,144	6,144	36 k	242	60.00	49.80
892-APA150-FGG144	APA150-FGG144	FBGA-144	150,000	65,000	6,144	6,144	36 k	100	50.00	41.50
892-APA150-FGG256	APA150-FGG256	FBGA-256	150,000	65,000	6,144	6,144	36 k	186	50.00	41.50
892-APA150-PQG208	APA150-PQG208	PQFP-208	150,000	65,000	6,144	6,144	36 k	158	51.00	42.33
892-APA150-TQG100	APA150-TQG100	TQFP-100	150,000	65,000	6,144	6,144	36 k	66	48.00	39.84
892-APA300-BGG456	APA300-BGG456	PBGA-456	300,000	110,000	8,192	8,192	72 k	290	130.00	107.90
892-APA300-FGG144	APA300-FGG144	FBGA-144	300,000	110,000	8,192	8,192	72 k	100	110.00	91.30
892-APA300-FGG256	APA300-FGG256	FBGA-256	300,000	110,000	8,192	8,192	72 k	186	110.00	91.30
892-APA300-PQG208	APA300-PQG208	PQFP-208	300,000	110,000	8,192	8,192	72 k	158	80.00	66.40
892-APA450-BGG456	APA450-BGG456	PBGA-456	450,000	185,000	12,288	12,288	108 k	344	206.00	170.98
892-APA450-FGG144	APA450-FGG144	FBGA-144	450,000	185,000	12,288	12,288	108 k	100	170.00	141.10
892-APA450-FGG256	APA450-FGG256	FBGA-256	450,000	185,000	12,288	12,288	108 k	186	180.00	149.40
892-APA450-FGG484	APA450-FGG484	FBGA-484	450,000	185,000	12,288	12,288	108 k	344	220.00	182.60
892-APA450-PQG208	APA450-PQG208	PQFP-208	450,000	185,000	12,288	12,288	108 k	158	140.00	116.20
892-APA600-FGG256	APA600-FGG256	FBGA-256	600,000	270,000	21,504	21,504	126 k	186	336.60	279.38
892-APA600-FGG484	APA600-FGG484	FBGA-484	600,000	270,000	21,504	21,504	126 k	370	358.20	297.31
892-APA600-PQG208	APA600-PQG208	PQFP-208	600,000	270,000	21,504	21,504	126 k	158	320.40	265.93
892-APA750-BGG456	APA750-BGG456	PBGA-456	750,000	335,000	32,768	32,768	144 k	356	646.00	536.18
892-APA750-FGG676	APA750-FGG676	FBGA-676	750,000	335,000	32,768	32,768	144 k	454	638.60	530.04
892-APA750-FGG896	APA750-FGG896	FBGA-896	750,000	335,000	32,768	32,768	144 k	562	653.60	542.49
892-APA750-PQG208	APA750-PQG208	PQFP-208	750,000	335,000	32,768	32,768	144 k	158	607.60	504.31
892-APA1000-FGG896	APA1000-FGG896	FBGA-896	1,000,000	460,000	56,320	56,320	198 k	642	1380.60	1145.90
892-APA1000-PQG208	APA1000-PQG208	PQFP-208	1,000,000	460,000	56,320	56,320	198 k	158	1350.00	1120.50

ACTEL FPGAs

ANTIFUSE FPGAs

MX Series FPGAs

The low-power MX FPGAs offer designers a reliable, single-chip ASIC alternative. Providing an efficient, flexible 5V architecture, MX is an ideal platform for integrating legacy PLDs into a single, low cost device. MX is a high-volume platform that enables solutions without compromising on cost and time.

Features:
- 3.3 and 5.0V CMOS Drive
- 5.0V Tolerant Inputs
- Price and performance leader at 5.0V

RoHS Compliant

MOUSER STOCK NO.	Actel Part No.	Package Type	System Gates	Typical Gates	Logic Modules	Dedicated Flip-Flops	Max. Flip-Flops	SRAM Bits	Max. I/O	3.3V PCI I/O	5V PCI I/O	Routed Clocks	JTAG	33MHz PCI	Price Each	
															1	24
892-A40MX02-PLG44	A40MX02-PLG44	PLCC-44	3,000	2,000	295	—	147	—	34	N	N	1	N	N	17.20	14.28
892-A40MX02-PLG68	A40MX02-PLG68	PLCC-68	3,000	2,000	295	—	147	—	57	N	N	1	N	N	18.00	14.94
892-A40MX02-PQG100	A40MX02-PQG100	PQFP-100	3,000	2,000	295	—	147	—	57	N	N	1	N	N	20.60	17.10
892-A40MX02-VQG80	A40MX02-VQG80	VQFP-80	3,000	2,000	295	—	147	—	57	N	N	1	N	N	25.60	21.25
892-A40MX04-PLG44	A40MX04-PLG44	PLCC-44	6,000	4,000	547	—	273	—	34	N	N	1	N	N	21.80	18.09
892-A40MX04-PLG68	A40MX04-PLG68	PLCC-68	6,000	4,000	547	—	273	—	57	N	N	1	N	N	22.00	18.26
892-A40MX04-PLG84	A40MX04-PLG84	PLCC-84	6,000	4,000	547	—	273	—	69	N	N	1	N	N	22.20	18.43
892-A40MX04-PQG100	A40MX04-PQG100	PQFP-100	6,000	4,000	547	—	273	—	69	N	N	1	N	N	24.00	19.92
892-A40MX04-VQG80	A40MX04-VQG80	VQFP-80	6,000	4,000	547	—	273	—	69	N	N	1	N	N	26.00	21.58
892-A42MX09-PLG84	A42MX09-PLG84	PLCC-84	14,000	9,000	684	348	516	—	72	N	N	2	N	N	38.20	31.71
892-A42MX09-PQG100	A42MX09-PQG100	PQFP-100	14,000	9,000	684	348	516	—	83	N	N	2	N	N	39.40	32.70
892-A42MX09-PQG160	A42MX09-PQG160	PQFP-160	14,000	9,000	684	348	516	—	101	N	N	2	N	N	46.20	38.35
892-A42MX09-TQG176	A42MX09-TQG176	TQFP-176	14,000	9,000	684	348	516	—	104	N	N	2	N	N	51.00	42.33
892-A42MX09-VQG100	A42MX09-VQG100	VQFP-100	14,000	9,000	684	348	516	—	83	N	N	2	N	N	37.60	31.21
892-A42MX16-PLG84	A42MX16-PLG84	PLCC-84	24,000	16,000	1,232	624	928	—	72	N	N	2	N	N	48.60	40.34
892-A42MX16-PQG100	A42MX16-PQG100	PQFP-100	24,000	16,000	1,232	624	928	—	83	N	N	2	N	N	51.00	42.33
892-A42MX16-PQG160	A42MX16-PQG160	PQFP-160	24,000	16,000	1,232	624	928	—	125	N	N	2	N	N	55.20	45.82
892-A42MX16-PQG208	A42MX16-PQG208	PQFP-208	24,000	16,000	1,232	624	928	—	140	N	N	2	N	N	59.60	49.47
892-A42MX16-TQG176	A42MX16-TQG176	TQFP-176	24,000	16,000	1,232	624	928	—	140	N	N	2	N	N	59.60	49.47
892-A42MX16-VQG100	A42MX16-VQG100	VQFP-100	24,000	16,000	1,232	624	928	—	83	N	N	2	N	N	52.40	43.49
892-A42MX24-PLG84	A42MX24-PLG84	PLCC-84	36,000	24,000	1,890	954	1,410	—	72	Y	Y	2	Y	Y	80.80	67.06
892-A42MX24-PQG160	A42MX24-PQG160	PQFP-160	36,000	24,000	1,890	954	1,410	—	125	Y	Y	2	Y	Y	94.00	78.02
892-A42MX24-PQG208	A42MX24-PQG208	PQFP-208	36,000	24,000	1,890	954	1,410	—	176	Y	Y	2	Y	Y	100.80	83.66
892-A42MX24-TQG176	A42MX24-TQG176	TQFP-176	36,000	24,000	1,890	954	1,410	—	150	Y	Y	2	Y	Y	101.40	84.16
892-A42MX36-PQG208	A42MX36-PQG208	PQFP-208	54,000	36,000	2,438	1,230	1,822	2,560	176	Y	Y	6	Y	Y	211.20	175.30

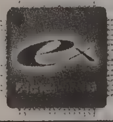
SX-A Series FPGAs

Matching the speed and performance of an ASIC, SX-A devices can be used to generate system-wide savings by integrating multiple functions into a low cost, single-chip solution. The SX-A family decreases the premium for performance while providing a low-power, high-performance solution secure from reverse engineering.

RoHS Compliant

MOUSER STOCK NO.	Actel Part No.	Package Type	System Gates	Typical Gates	Logic Modules	Dedicated Flip-Flops	Max. Flip-Flops	Max. I/O	Routed Clocks	Hard-Wired Clocks	JTAG	Price Each	
												1	24
892-A54SX08A-FGG144	A54SX08A-FGG144	FBGA-144	12,000	8,000	768	256	512	111	2	1	Yes	37.80	31.37
892-A54SX08A-PQG208	A54SX08A-PQG208	PQFP-208	12,000	8,000	768	256	512	130	2	1	Yes	31.60	26.23
892-A54SX08A-TQG100	A54SX08A-TQG100	TQFP-100	12,000	8,000	768	256	512	81	2	1	Yes	25.20	20.92
892-A54SX08A-TQG144	A54SX08A-TQG144	TQFP-144	12,000	8,000	768	256	512	113	2	1	Yes	29.40	24.40
892-A54SX16A-PQG208	A54SX16A-PQG208	PQFP-208	24,000	16,000	1,452	528	990	175	2	1	Yes	37.80	31.37
892-A54SX16A-TQG100	A54SX16A-TQG100	TQFP-100	24,000	16,000	1,452	528	990	81	2	1	Yes	33.60	27.89
892-A54SX16A-TQG144	A54SX16A-TQG144	TQFP-144	24,000	16,000	1,452	528	990	111	2	1	Yes	33.60	27.89
892-A54SX32A-BGG329	A54SX32A-BGG329	PBGA-329	48,000	32,000	2,880	1,080	1,980	249	2	1	Yes	84.00	69.72
892-A54SX32A-PQG208	A54SX32A-PQG208	CQFP-208	48,000	32,000	2,880	1,080	1,980	174	2	1	Yes	67.20	55.78
892-A54SX32A-TQG100	A54SX32A-TQG100	TQFP-100	48,000	32,000	2,880	1,080	1,980	81	2	1	Yes	58.80	48.80
892-A54SX32A-TQG144	A54SX32A-TQG144	TQFP-144	48,000	32,000	2,880	1,080	1,980	113	2	1	Yes	63.00	52.29
892-A54SX32A-TQG176	A54SX32A-TQG176	TQFP-176	48,000	32,000	2,880	1,080	1,980	147	2	1	Yes	65.20	54.12
892-A54SX72A-PQG208	A54SX72A-PQG208	CQFP-208	108,000	72,000	6,036	2,012	4,024	171	6	1	Yes	130.20	108.07

eX Series FPGAs



With a focused combination of features, eX can meet the power, speed, package and price requirements of wired and mobile e-appliances. eX enables designers to use a single-chip FPGA for their traditional low-density ASIC requirements without the long lead times and costly NREs. They are low-cost, low-power ASIC alternative for e-appliance/consumer and communications infrastructure applications.

RoHS Compliant

MOUSER STOCK NO.	Actel Part No.	Package Type	System Gates	Typical Gates	Logic Modules	Dedicated Flip-Flops	Max. Flip-Flops	Max. I/O	Routed Clocks	Hard-Wired Clocks	JTAG	Price Each	
												1	24
892-EX64-CSG49	EX64-CSG49	CSP-49	3,000	2,000	192	64	128	36	2	1	Yes	8.80	7.30
892-EX64-CSG128	EX64-CSG128	CSP-128	3,000	2,000	192	64	128	84	2	1	Yes	12.60	10.46
892-EX64-TQG64	EX64-TQG64	TQFP-64	3,000	2,000	192	64	128	41	2	1	Yes	7.60	6.31
892-EX64-TQG100	EX64-TQG100	TQFP-100	3,000	2,000	192	64	128	56	2	1	Yes	8.40	6.97
892-EX128-CSG49	EX128-CSG49	CSP-49	6,000	4,000	384	128	256	36	2	1	Yes	17.40	14.44
892-EX128-CSG128	EX128-CSG128	CSP-128	6,000	4,000	384	128	256	100	2	1	Yes	24.40	20.25
892-EX128-TQG64	EX128-TQG64	TQFP-64	6,000	4,000	384	128	256	46	2	1	Yes	15.20	12.62
892-EX128-TQG100	EX128-TQG100	TQFP-100	6,000	4,000	384	128	256	70	2	1	Yes	16.80	13.94
892-EX256-CSG128	EX256-CSG128	CSP-128	12,000	8,000	768	256	512	100	2	1	Yes	27.40	22.74
892-EX256-CSG180	EX256-CSG180	CSP-180	12,000	8,000	768	256	512	132	2	1	Yes	29.60	24.57
892-EX256-TQG100	EX256-TQG100	TQFP-100	12,000	8,000	768	256	512	81	2	1	Yes	22.80	18.92
892-EX256-TQG100	EX256-TQG100	TQFP-100	12,000	8,000	768	256	512	81	2	1	Yes	22.80	18.92

PROGRAMMING

FlashPro3 and FlashPro Lite are compact and cost-effective ways to program Actel flash devices. They eliminate incompatibility problems and expensive redesign costs, and offer faster time to market with their ISP capability. All programmers can be controlled by the same easy to use GUI and connect to a PC through a USB port for FlashPro3 and a parallel port for FlashPro Lite. FlashPro3 supports Fusion, IGLOO, ProASIC3 and ProASIC3E devices and is powered from the USB port. FlashPro Lite supports ProASIC Plus devices only and is powered from the target board.

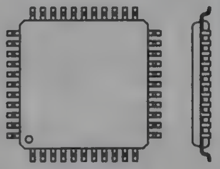
MOUSER STOCK NO.	Actel Part No.	Fig.	Description	Price Each
892-FLASHPROLITE	FLASHPRO LITE	A	Supports ProASIC Plus devices and in-system programming	156.25
892-FLASHPRO3	FLASHPRO 3	B	Supports Fusion and ProASIC 3 devices	130.00

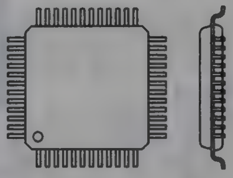
A

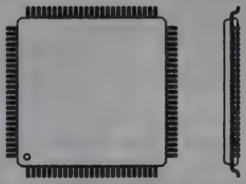
B

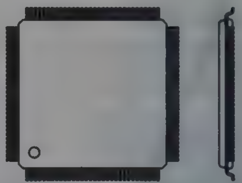
LATTICE Programmable Logic Devices

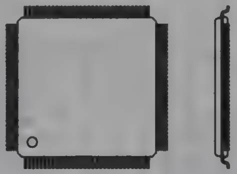
Products may be RoHS compliant.
Check mouser.com for RoHS status.

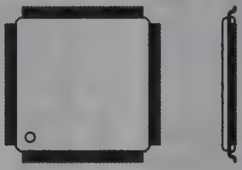

TQFP-44

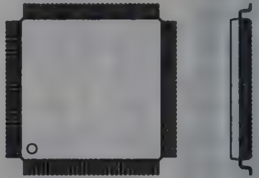

TQFP-48

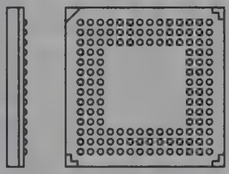

TQFP-100

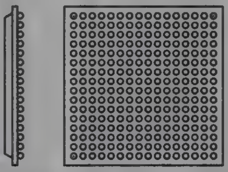

TQFP-128

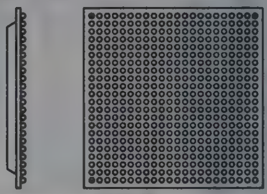

TQFP-144


TQFP-176


PQFP-208


csBGA-132


fpBGA-256


fpBGA-484

LATTICE COMPLEX PROGRAMMABLE LOGIC DEVICES (CPLDs)

RoHS Compliant

For quantities of 100 and up, call for quote.

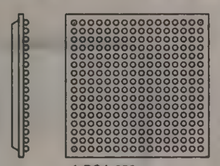
MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Macro Cells	Price Each	
							1	25
842-LC4032ZC5TN48C	LC4032ZC-5TN48C	TQFP-48	1.8	5	32	32	2.63	2.10
842-4032ZC75TN48C	LC4032ZC-75TN48C	TQFP-48	1.8	7.5	32	32	2.00	1.80
842-4064ZC75TN100C	LC4064ZC-75TN100C	TQFP-100	1.8	7.5	64	64	4.80	4.32
842-4064ZC75TN48C	LC4064ZC-75TN48C	TQFP-48	1.8	7.5	32	64	3.90	3.51
842-4128ZC75MN132C	LC4128ZC-75MN132C	csBGA-132	1.8	7.5	96	128	11.30	10.17
842-4128ZC75TN100C	LC4128ZC-75TN100C	TQFP-100	1.8	7.5	64	128	9.90	8.91
842-4256ZC75TN176C	LC4256ZC-75TN176C	TQFP-176	1.8	7.5	128	256	21.10	18.99
842-4256ZC75TN100C	LC4256ZC-75TN100C	TQFP-100	1.8	7.5	64	256	19.10	17.19
842-LC4032V25TN48C	LC4032V-25TN48C	TQFP-44	3.3	2.5	32	32	5.30	4.77
842-LC4032V-5TN48C	LC4032V-5TN48C	TQFP-48	3.3	5	32	32	3.90	3.51
842-LC4032V-5TN44C	LC4032V-5TN44C	TQFP-44	3.3	5	30	32	3.50	3.15
842-LC4032V75TN48C	LC4032V-75TN48C	TQFP-48	3.3	7.5	32	32	2.50	2.25
842-LC4032V75TN44C	LC4032V-75TN44C	TQFP-44	3.3	7.5	30	32	2.00	1.80
842-LC4064V5TN100C	LC4064V-5TN100C	TQFP-100	3.3	5	64	64	9.30	8.37
842-LC4064V-5TN48C	LC4064V-5TN48C	TQFP-48	3.3	5	32	64	8.50	7.65
842-LC4064V-5TN44C	LC4064V-5TN44C	TQFP-44	3.3	5	30	64	8.10	7.29
842-4064V75TN100C	LC4064V-75TN100C	TQFP-100	3.3	7.5	64	64	4.90	4.41
842-LC4064V75TN48C	LC4064V-75TN48C	TQFP-48	3.3	7.5	32	64	4.50	4.05
842-LC4064V75TN44C	LC4064V-75TN44C	TQFP-44	3.3	7.5	30	64	4.10	3.69
842-4128V27TN100C	LC4128V-27TN100C	TQFP-100	3.3	2.7	64	128	33.30	29.97
842-LC4128V5TN100C	LC4128V-5TN100C	TQFP-100	3.3	5	64	128	23.80	21.42
842-4128V75TN144C	LC4128V-75TN144C	TQFP-144	3.3	7.5	96	128	14.60	13.14
842-4128V75TN128C	LC4128V-75TN128C	TQFP-128	3.3	7.5	92	128	14.50	13.05
842-4128V75TN100C	LC4128V-75TN100C	TQFP-100	3.3	7.5	64	128	13.70	12.33
842-4256V75FN256AC	LC4256V-75FN256AC	fpBGA-256	3.3	7.5	128	256	31.50	28.35
842-4256V75FN256BC	LC4256V-75FN256BC	fpBGA-256	3.3	7.5	160	256	34.90	31.41
842-4256V75TN176C	LC4256V-75TN176C	TQFP-176	3.3	7.5	128	256	28.50	25.65
842-4256V75TN144C	LC4256V-75TN144C	TQFP-144	3.3	7.5	96	256	28.10	25.29
842-4256V75TN100C	LC4256V-75TN100C	TQFP-100	3.3	7.5	64	256	27.20	24.48
842-4384V75FN256C	LC4384V-75FN256C	fpBGA-256	3.3	7.5	192	384	58.20	52.38
842-4384V75TN176C	LC4384V-75TN176C	TQFP-176	3.3	7.5	128	384	55.10	49.59
842-4512V75FN256C	LC4512V-75FN256C	fpBGA-256	3.3	7.5	208	512	85.00	76.50
842-4512V75TN176C	LC4512V-75TN176C	TQFP-176	3.3	7.5	128	512	81.60	73.44
842-5256MV75FN256C	LC5256MV-75FN256C	fpBGA-256	3.3	7.5	141	256	25.50	22.95
842-5512MV45FN256C	LC5512MV-45FN256C	fpBGA-256	3.3	4.5	193	512	43.00	38.70
842-5512MV75FN256C	LC5512MV-75FN256C	fpBGA-256	3.3	7.5	193	512	39.50	35.55
842-5512MV75QN208C	LC5512MV-75QN208C	PQFP-208	3.3	7.5	149	512	38.50	34.65
842-5768MV75FN484C	LC5768MV-75FN484C	fpBGA-484	3.3	7.5	317	768	65.00	58.50
842-5768MV75FN256C	LC5768MV-75FN256C	fpBGA-256	3.3	7.5	193	768	60.80	54.72
842-5104MV75FN484C	LC51024MV-75FN484C	fpBGA-484	3.3	7.5	317	1024	93.00	83.70

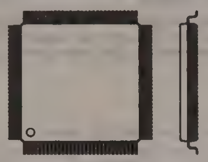
LATTICE COMPLEX PROGRAMMABLE LOGIC DEVICES (CPLDs) EVALUATION BOARDS

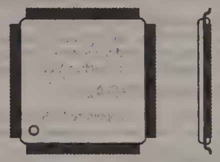
MOUSER STOCK NO.	Lattice Part No.	Description	Price Each
842-LC4032ZCEV	LC4032ZC-EV	Evaluation Board for ispMACH 4032ZC	395.00
842-LC4064ZCEV	LC4064ZC-EV	Evaluation Board for ispMACH 4064ZC	495.00
842-LC5512MPACEV	LC5512M-PAC-EV	Evaluation Board for ispXPLD 5512 and PAC Power Manager 1208	595.00

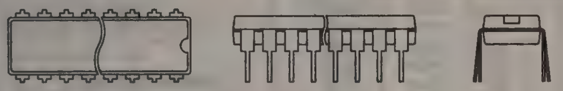
LATTICE Programmable Logic Devices

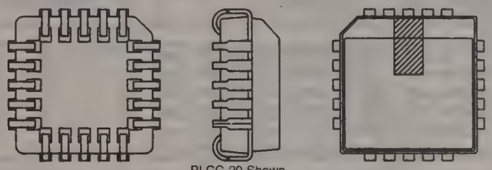
Products may be RoHS compliant.
Check mouser.com for RoHS status.


fpBGA-256


PQFP-208


TQFP-144


PDIP


PLCC-20 Shown

LATTICE FIELD PROGRAMMABLE GATE ARRAYS (FPGAs)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Price Each	
						1	25
842-LFEC6E3F256	LFEC6E-3F256C	fpBGA-256	1.2	3	195	27.63	21.88
842-LFEC6E3Q208	LFEC6E-3Q208C	PQFP-208	1.2	3	147	26.63	21.09
842-LFEC6E3T144	LFEC6E-3T144C	TQFP-144	1.2	3	97	25.30	20.04

LATTICE FIELD PROGRAMMABLE GATE ARRAY (FPGA) EVALUATION BOARDS

MOUSER STOCK NO.	Lattice Part No.	Description	Price Each
842-LFEC6ELEV	LFEC6E-L-EV	Standard Evaluation Board for LatticeEC6	149.00
842-LFEC20ELEV	LFEC20E-L-EV	Standard Evaluation Board for LatticeEC20	175.00
842-LFECP20ELEV	LFECP20E-L-EV	Standard Evaluation Board for LatticeECP20	175.00
842-LFEC20EHEV	LFEC20E-H-EV	Advanced Evaluation Board for LatticeEC20	1295.00
842-LFECP20EHEV	LFECP20E-H-EV	Advanced Evaluation Board for LatticeECP20	1295.00

LATTICE SIMPLE PROGRAMMABLE LOGIC DEVICES (SPLDs)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Tpd (ns)	I/O	Macro Cells	Price Each	
							1	25
842-GAL16V8D7LP	GAL16V8D-7LP	PDIP-20	5	7.5	16	8	3.97	3.36
842-GAL16V8D7LJ	GAL16V8D-7LJ	PLCC-20	5	7.5	16	8	3.97	3.36
842-GAL16V8D10LP	GAL16V8D-10LP	PDIP-20	5	10	16	8	3.84	3.25
842-GAL16V8D10LJ	GAL16V8D-10LJ	PLCC-20	5	10	16	8	3.84	3.25
842-GAL16V8D15LP	GAL16V8D-15LP	PDIP-20	5	15	16	8	2.08	1.76
842-GAL16V8D15LJ	GAL16V8D-15LJ	PLCC-20	5	15	16	8	2.08	1.76
842-GAL16V8D15QP	GAL16V8D-15QP	PDIP-20	5	15	16	8	2.50	2.12
842-GAL16V8D15QJ	GAL16V8D-15QJ	PLCC-20	5	15	16	8	2.50	2.12
842-GAL16V8D25LP	GAL16V8D-25LP	PDIP-20	5	25	16	8	1.76	1.49
842-GAL16V8D25LJ	GAL16V8D-25LJ	PLCC-20	5	25	16	8	1.76	1.49
842-GAL16V8D25QP	GAL16V8D-25QP	PDIP-20	5	25	16	8	2.08	1.76
842-GAL16V8D25QJ	GAL16V8D-25QJ	PLCC-20	5	25	16	8	2.08	1.76
842-GAL20V8C10LJ	GAL20V8C-10LJ	PLCC-28	5	10	20	8	6.31	5.34
842-GAL20V8B15LP	GAL20V8B-15LP	PDIP-24	5	15	20	8	2.80	2.37
842-GAL20V8B15LJ	GAL20V8B-15LJ	PLCC-28	5	15	20	8	2.80	2.37
842-GAL20V8B15QP	GAL20V8B-15QP	PDIP-24	5	15	20	8	3.25	2.75
842-GAL20V8B15QJ	GAL20V8B-15QJ	PLCC-28	5	15	20	8	3.25	2.75
842-GAL20V8B25LP	GAL20V8B-25LP	PDIP-24	5	25	20	8	2.34	1.98
842-GAL20V8B25LJ	GAL20V8B-25LJ	PLCC-28	5	25	20	8	2.34	1.98
842-GAL20V8B25QP	GAL20V8B-25QP	PDIP-24	5	25	20	8	2.80	2.37
842-GAL20V8B25QJ	GAL20V8B-25QJ	PLCC-28	5	25	20	8	2.80	2.37
842-GAL22V10D5LJ	GAL22V10D-5LJ	PLCC-28	5	5	22	10	23.47	19.86
842-GAL22V10D7LP	GAL22V10D-7LP	PDIP-24	5	7.5	22	10	16.15	13.67
842-GAL22V10D7LJ	GAL22V10D-7LJ	PLCC-28	5	7.5	22	10	16.15	13.67
842-GAL22V10D10LP	GAL22V10D-10LP	PDIP-24	5	10	22	10	8.81	7.45
842-GAL22V10D10LJ	GAL22V10D-10LJ	PLCC-28	5	10	22	10	8.81	7.45
842-GAL22V10D15LP	GAL22V10D-15LP	PDIP-24	5	15	22	10	7.77	6.57
842-GAL22V10D15LJ	GAL22V10D-15LJ	PLCC-28	5	15	22	10	7.77	6.57
842-GAL22V10D15QP	GAL22V10D-15QP	PDIP-24	5	15	22	10	9.56	8.09
842-GAL22V10D15QJ	GAL22V10D-15QJ	PLCC-28	5	15	22	10	9.56	8.09
842-GAL22V10D25LP	GAL22V10D-25LP	PDIP-24	5	25	22	10	4.10	3.47
842-GAL22V10D25LJ	GAL22V10D-25LJ	PLCC-28	5	25	22	10	4.10	3.47
842-GAL22V10D25QP	GAL22V10D-25QP	PDIP-24	5	25	22	10	6.60	5.58
842-GAL22V10D25QJ	GAL22V10D-25QJ	PLCC-28	5	25	22	10	6.60	5.58
842-ISPGAL22V10C7LJ	ISPGAL22V10C-7LJ	PLCC-28	5	7.5	22	10	16.15	13.67
842-ISPGAL22V10C10LJ	ISPGAL22V10C-10LJ	PLCC-28	5	10	22	10	8.81	7.45
842-ISPGAL22V10C15LJ	ISPGAL22V10C-15LJ	PLCC-28	5	15	22	10	7.77	6.57

LATTICE PROGRAMMABLE LOGIC SOFTWARE

MOUSER STOCK NO.	Lattice Part No.	Description	Price Each
842-LS-HDL-BASE-PC-N	LS-HDL-BASE-PC-N	ispLEVER, Base Version	973.75
842-LS-ADV-LX-F	LS-ADV-LX-F	ispLEVER, Advanced Version for Linux	1995.00
842-LS-ADV-WS-F	LS-ADV-WS-F	ispLEVER, Advanced Version for Unix	1995.00
842-LS-EC6-BASE-PC-N	LS-EC6-BASE-PC-N	ispLEVER, Base Version with EC6 Development Kit	1645.40

LATTICE FPGAs

RoHS Compliant **This page of product is compliant.**

Lattice Semiconductor Corporation

LATTICE FIELD PROGRAMMABLE GATE ARRAYS (FPGAs)

LEAD-FREE

Lattice brings you a new generation of optimized low-cost FPGAs. For maximum performance and value, the LatticeECP™ (EConomy Plus) FPGA concept combines an efficient FPGA fabric with high-speed dedicated functions. Lattice's first family to implement this approach is the LatticeECP-DSP (EConomy Plus DSP) family, providing dedicated high-performance DSP blocks on-chip. The LatticeEC™ (EConomy) family supports all the general-purpose features of LatticeECP devices without dedicated function blocks to achieve even lower cost solutions.

LatticeEC (EConomy) FPGAs

LatticeEC (EConomy) FPGA devices optimize features, performance, and cost:
pre-engineered 400 Mbps DDR memory interfaces, low-cost SPI Flash FPGA configuration, mainstream LUT-4 based FPGA fabric.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	I/O Combinations	DSP Blocks	Distributed RAM (Kbits)	# of GPLL	Speed Grade	Price Each	
									1	25
1.5K LUTs										
842-LFEC1E-5TN144C	LFEC1E-5TN144C	TQFP-144	1.2	97	N	6	2	-5	12.60	11.34
842-LFEC1E-5TN100C	LFEC1E-5TN100C	TQFP-100	1.2	67	N	6	2	-5	11.30	10.17
842-LFEC1E-4TN144C	LFEC1E-4TN144C	TQFP-144	1.2	97	N	6	2	-4	11.10	9.99
842-LFEC1E-4TN100C	LFEC1E-4TN100C	TQFP-100	1.2	67	N	6	2	-4	9.90	8.91
842-LFEC1E-3TN144C	LFEC1E-3TN144C	TQFP-144	1.2	97	N	6	2	-3	9.90	8.91
842-LFEC1E-3TN100C	LFEC1E-3TN100C	TQFP-100	1.2	67	N	6	2	-3	8.60	7.74
3.1K LUTs										
842-LFEC3E-5FN256C	LFEC3E-5FN256C	fpBGA-256	1.2	160	N	12	2	-5	20.10	18.09
842-LFEC3E-5TN144C	LFEC3E-5TN144C	TQFP-144	1.2	97	N	12	2	-5	17.90	16.11
842-LFEC3E-5TN100C	LFEC3E-5TN100C	TQFP-100	1.2	67	N	12	2	-5	16.70	15.03
842-LFEC3E-4FN256C	LFEC3E-4FN256C	fpBGA-256	1.2	160	N	12	2	-4	17.90	16.11
842-LFEC3E-4TN144C	LFEC3E-4TN144C	TQFP-144	1.2	97	N	12	2	-4	15.70	14.13
842-LFEC3E-4TN100C	LFEC3E-4TN100C	TQFP-100	1.2	67	N	12	2	-4	14.50	13.05
842-LFEC3E-3FN256C	LFEC3E-3FN256C	fpBGA-256	1.2	160	N	12	2	-3	16.00	14.40
842-LFEC3E-3TN144C	LFEC3E-3TN144C	TQFP-144	1.2	97	N	12	2	-3	13.90	12.51
842-LFEC3E-3TN100C	LFEC3E-3TN100C	TQFP-100	1.2	67	N	12	2	-3	12.60	11.34

LatticeECP2 FPGAs

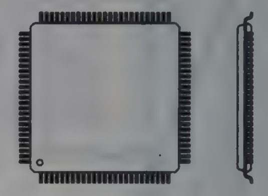
NEW FROM SUPPLIER

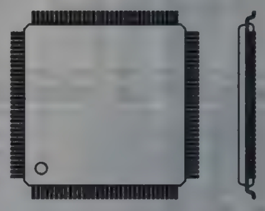
LatticeECP2 FPGA devices combine a low cost FPGA fabric with advanced features such as pre-engineered source synchronous support (including 400Mbps DDR2), high-performance embedded DSP blocks that provide up to 33GMACs of DSP bandwidth and enhanced configuration including bitstream encryption ("S-Series" Only), dual boot and TransFR I/O.

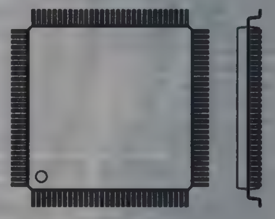
* Available in Industrial Grade

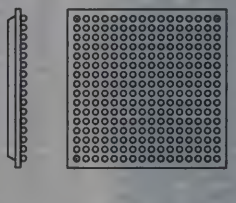
For quantities of 100 and up, call for quote.

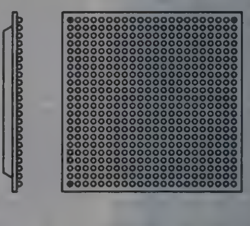
MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	I/O Combin.	DSP Blocks	Distributed RAM (Kbits)	# of GPLL	Speed Grade	Price Each	
									1	25
6K LUTs										
* 842-LFE2-6E-5FN256C	LFE2-6E-5FN256C	fpBGA-256	1.2	190	3	6	2	-5	20.59	19.67
* 842-LFE2-6E-6FN256C	LFE2-6E-6FN256C	fpBGA-256	1.2	190	3	6	2	-6	23.40	22.36
842-LFE2-6E-7FN256C	LFE2-6E-7FN256C	fpBGA-256	1.2	190	3	6	2	-7	27.79	26.55
* 842-LFE2-6SE-5FN256C	LFE2-6SE-5FN256C	fpBGA-256	1.2	190	3	6	2	-5	20.59	19.67
* 842-LFE2-6SE-6FN256C	LFE2-6SE-6FN256C	fpBGA-256	1.2	190	3	6	2	-6	23.40	22.36
842-LFE2-6SE-7FN256C	LFE2-6SE-7FN256C	fpBGA-256	1.2	190	3	6	2	-7	27.79	26.55
* 842-LFE2-6E-5TN144C	LFE2-6E-5TN144C	TQFP-144	1.2	90	3	6	2	-5	14.96	14.30
* 842-LFE2-6E-6TN144C	LFE2-6E-6TN144C	TQFP-144	1.2	90	3	6	2	-6	17.66	16.88
842-LFE2-6E-7TN144C	LFE2-6E-7TN144C	TQFP-144	1.2	90	3	6	2	-7	22.05	21.07
* 842-LFE2-6SE-5TN144C	LFE2-6SE-5TN144C	TQFP-144	1.2	90	3	6	2	-5	14.96	14.30
* 842-LFE2-6SE-6TN144C	LFE2-6SE-6TN144C	TQFP-144	1.2	90	3	6	2	-6	17.66	16.88
842-LFE2-6SE-7TN144C	LFE2-6SE-7TN144C	TQFP-144	1.2	90	3	6	2	-7	22.05	21.07
12K LUTs										
* 842-LFE212E5QN208C	LFE2-12E-5QN208C	PQFP-208	1.2	131	6	12	2	-5	39.26	38.39
* 842-LFE212E6QN208C	LFE2-12E-6QN208C	PQFP-208	1.2	131	6	12	2	-6	45.45	44.44
842-LFE212E7QN208C	LFE2-12E-7QN208C	PQFP-208	1.2	131	6	12	2	-7	54.56	53.35
* 842-LFE212SE5QN208C	LFE2-12SE-5QN208C	PQFP-208	1.2	131	6	12	2	-5	39.26	37.52
* 842-LFE212SE6QN208C	LFE2-12SE-6QN208C	PQFP-208	1.2	131	6	12	2	-6	45.45	43.43
842-LFE212SE7QN208C	LFE2-12SE-7QN208C	PQFP-208	1.2	131	6	12	2	-7	54.56	52.14
* 842-LFE212E5FN256C	LFE2-12E-5FN256C	fpBGA-256	1.2	193	6	12	2	-5	41.18	40.26
* 842-LFE212E6FN256C	LFE2-12E-6FN256C	fpBGA-256	1.2	193	6	12	2	-6	47.36	46.31
842-LFE212E7FN256C	LFE2-12E-7FN256C	fpBGA-256	1.2	193	6	12	2	-7	56.48	55.22
* 842-LFE212SE5FN256C	LFE2-12SE-5FN256C	fpBGA-256	1.2	193	6	12	2	-5	41.18	39.35
* 842-LFE212SE6FN256C	LFE2-12SE-6FN256C	fpBGA-256	1.2	193	6	12	2	-6	47.36	45.26
* 842-LFE212SE7FN256C	LFE2-12SE-7FN256C	fpBGA-256	1.2	193	6	12	2	-7	56.48	53.97
* 842-LFE212E5FN484C	LFE2-12E-5FN484C	fpBGA-484	1.2	297	6	12	2	-5	60.30	58.96
* 842-LFE212E6FN484C	LFE2-12E-6FN484C	fpBGA-484	1.2	297	6	12	2	-6	66.49	65.01
842-LFE212E7FN484C	LFE2-12E-7FN484C	fpBGA-484	1.2	297	6	12	2	-7	75.60	73.92
* 842-LFE212SE5FN484C	LFE2-12SE-5FN484C	fpBGA-484	1.2	297	6	12	2	-5	60.30	57.62
* 842-LFE212SE6FN484C	LFE2-12SE-6FN484C	fpBGA-484	1.2	297	6	12	2	-6	66.49	63.53
842-LFE212SE7FN484C	LFE2-12SE-7FN484C	fpBGA-484	1.2	297	6	12	2	-7	75.60	72.24
* 842-LFE212E5TN144C	LFE2-12E-5TN144C	TQFP-144	1.2	93	6	12	2	-5	29.81	29.15
* 842-LFE212E6TN144C	LFE2-12E-6TN144C	TQFP-144	1.2	93	6	12	2	-6	35.89	35.09
842-LFE212E7TN144C	LFE2-12E-7TN144C	TQFP-144	1.2	93	6	12	2	-7	45.00	44.00
* 842-LFE212SE5TN144C	LFE2-12SE-5TN144C	TQFP-144	1.2	93	6	12	2	-5	29.81	28.49
* 842-LFE212SE6TN144C	LFE2-12SE-6TN144C	TQFP-144	1.2	93	6	12	2	-6	35.89	34.29
842-LFE212SE7TN144C	LFE2-12SE-7TN144C	TQFP-144	1.2	93	6	12	2	-7	45.00	43.00
48K LUTs										
* 842-LFE250E5FN484C	LFE2-50E-5FN484C	fpBGA-484	1.2	339	18	96	2	-5	143.44	140.25
* 842-LFE250E6FN484C	LFE2-50E-6FN484C	fpBGA-484	1.2	339	18	96	2	-6	172.13	168.30
842-LFE250E7FN484C	LFE2-50E-7FN484C	fpBGA-484	1.2	339	18	96	2	-7	216.11	211.31
* 842-LFE250SE5FN484C	LFE2-50SE-5FN484C	fpBGA-484	1.2	339	18	96	2	-5	143.44	137.06
* 842-LFE250SE6FN484C	LFE2-50SE-6FN484C	fpBGA-484	1.2	339	18	96	2	-6	172.13	164.48
842-LFE250SE7FN484C	LFE2-50SE-7FN484C	fpBGA-484	1.2	339	18	96	2	-7	216.11	206.51
* 842-LFE250E5FN672C	LFE2-50E-5FN672C	fpBGA-672	1.2	500	18	96	2	-5	158.74	155.21
* 842-LFE250E6FN672C	LFE2-50E-6FN672C	fpBGA-672	1,2	500	18	96	2	-6	187.43	183.26
842-LFE250E7FN672C	LFE2-50E-7FN672C	fpBGA-672	1.2	500	18	96	2	-7	231.41	226.27
* 842-LFE250SE5FN672C	LFE2-50SE-5FN672C	fpBGA-672	1.2	500	18	96	2	-5	158.74	151.68
* 842-LFE250SE6FN672C	LFE2-50SE-6FN672C	fpBGA-672	1.2	500	18	96	2	-6	187.43	179.10
842-LFE250SE7FN672C	LFE2-50SE-7FN672C	fpBGA-672	1.2	500	18	96	2	-7	231.41	221.13

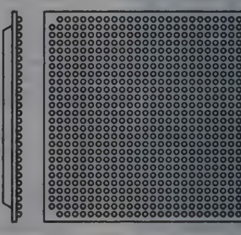

TQFP-100


TQFP-144


PQFP-208


fpBGA-256


fpBGA-484


fpBGA-672

LATTICE FPGAs

RoHS Compliant This page of product is compliant.

Lattice Semiconductor Corporation

LATTICE FIELD PROGRAMMABLE GATE ARRAYS (FPGAs)

LatticeECP2M FPGAs

LatticeECP2M FPGA devices provide the same feature set as the LatticeECP2 family but have embedded 3.125Gbps SERDES and increase memory capacity to 5.3Mbits and DSP capability to 63GMACs.

Lattice
LatticeECP2M

* Available in Industrial Grade

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	I/O Combinations	DSP Blocks	Distributed RAM (Kbits)	# of GPLL	Speed Grade	Price Each	
									1	25
*842-LFE2M35E5FN256C	LFE2M35E-5FN256C	fpBGA-256	1.2V	140	64	8	2	-5	105.64	103.29
*842-LFE2M35E6FN256C	LFE2M35E-6FN256C	fpBGA-256	1.2V	140	64	8	2	-6	129.15	126.28
842-LFE2M35E7FN256C	LFE2M35E-7FN256C	fpBGA-256	1.2V	140	64	8	2	-7	164.48	160.82
*842-LFE2M35SE5FN256C	LFE2M35SE-5FN256C	fpBGA-256	1.2V	140	64	8	2	-5	105.64	100.94
*842-LFE2M35SE6FN256C	LFE2M35SE-6FN256C	fpBGA-256	1.2V	140	64	8	2	-6	129.15	123.41
842-LFE2M35SE7FN256C	LFE2M35SE-7FN256C	fpBGA-256	1.2V	140	64	8	2	-7	164.48	157.17
*842-LFE2M35E5FN484C	LFE2M35E-5FN484C	fpBGA-484	1.2V	303	64	8	2	-5	117.11	114.51
*842-LFE2M35E6FN484C	LFE2M35E-6FN484C	fpBGA-484	1.2V	303	64	8	2	-6	140.63	137.50
842-LFE2M35E7FN484C	LFE2M35E-7FN484C	fpBGA-484	1.2V	303	64	8	2	-7	175.95	172.04
*842-LFE2M35SE5FN484C	LFE2M35SE-5FN484C	fpBGA-484	1.2V	303	64	8	2	-5	117.11	111.91
*842-LFE2M35SE6FN484C	LFE2M35SE-6FN484C	fpBGA-484	1.2V	303	64	8	2	-6	140.63	134.38
842-LFE2M35SE7FN484C	LFE2M35SE-7FN484C	fpBGA-484	1.2V	303	64	8	2	-7	175.95	168.13
*842-LFE2M35E5FN672C	LFE2M35E-5FN672C	fpBGA-672	1.2V	410	64	8	2	-5	128.59	125.73
*842-LFE2M35E6FN672C	LFE2M35E-6FN672C	fpBGA-672	1.2V	410	64	8	2	-6	152.10	148.72
842-LFE2M35E7FN672C	LFE2M35E-7FN672C	fpBGA-672	1.2V	410	64	8	2	-7	187.43	183.26
*842-LFE2M35SE5FN672C	LFE2M35SE-5FN672C	fpBGA-672	1.2V	410	64	8	2	-5	128.59	122.87
*842-LFE2M35SE6FN672C	LFE2M35SE-6FN672C	fpBGA-672	1.2V	410	64	8	2	-6	152.10	145.34
842-LFE2M35SE7FN672C	LFE2M35SE-7FN672C	fpBGA-672	1.2V	410	64	8	2	-7	187.43	179.10

LatticeSC (System Chip) FPGAs

LatticeSC (System Chip) FPGA couples the industry's fastest FPGA fabric with system level features like 2Gbps PURESPEED I/O, 32 channels of SERDES and pre-engineered embedded IP using on-chip structured ASIC blocks for best-in-class programmable connectivity solutions.

Lattice
LatticeSC

* Available in Industrial Grade

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	I/O Combinations	DSP Blocks	Distributed RAM (Kbits)	# of GPLL	Speed Grade	Price Each	
									1	25
*842-LFS3GA15E5FN256C	LFSC3GA15E-5FN256C	fpBGA-256	1.2V	139	4	56	8	-5	200.25	195.80
*842-LFS3GA15E5FN900C	LFSC3GA15E-5FN900C	fpBGA-900	1.2V	300	8	56	8	-5	258.75	253.00
*842-LFS3GA15E6FN256C	LFSC3GA15E-6FN256C	fpBGA-256	1.2V	139	4	56	8	-6	238.50	233.20
*842-LFS3GA15E6FN900C	LFSC3GA15E-6FN900C	fpBGA-900	1.2V	300	8	56	8	-6	297.00	290.40
842-LFS3GA15E7FN256C	LFSC3GA15E-7FN256C	fpBGA-256	1.2V	139	4	56	8	-7	297.00	290.40
842-LFS3GA15E7FN900C	LFSC3GA15E-7FN900C	fpBGA-900	1.2V	300	8	56	8	-7	353.25	345.40
*842-SC25E5FFN1020C	LFSC3GA25E-5FFN1020C	fcBGA-1020	1.2V	476	16	104	8	-5	479.25	468.60
*842-LFS3GA25E5FN900C	LFSC3GA25E-5FN900C	fpBGA-900	1.2V	378	8	104	8	-5	335.25	327.80
*842-SC25E6FFN1020C	LFSC3GA25E-6FFN1020C	fcBGA-1020	1.2V	476	16	104	8	-6	544.50	532.40
*842-LFS3GA25E6FN900C	LFSC3GA25E-6FN900C	fpBGA-900	1.2V	378	8	104	8	-6	402.75	393.80
842-SC25E7FFN1020C	LFSC3GA25E-7FFN1020C	fcBGA-1020	1.2V	476	16	104	8	-7	650.25	635.80
842-LFS3GA25E7FN900C	LFSC3GA25E-7FN900C	fpBGA-900	1.2V	378	8	104	8	-7	506.25	495.00
*842-C3GA80E5FCN1152C	LFSC3GA80E-5FCN1152C	fcBGA-1152	1.2V	660	16	308	8	-5	1530.00	1462.00
*842-3GA80E-5FCN1704C	LFSC3GA80E-5FCN1704C	fcBGA-1704	1.2V	904	32	308	8	-5	1836.00	1754.40
*842-C3GA80E6FCN1152C	LFSC3GA80E-6FCN1152C	fcBGA-1152	1.2V	660	16	308	8	-6	1836.00	1754.40
*842-3GA80E-6FCN1704C	LFSC3GA80E-6FCN1704C	fcBGA-1704	1.2V	904	32	308	8	-6	2142.00	2046.80
842-C3GA80E7FCN1152C	LFSC3GA80E-7FCN1152C	fcBGA-1152	1.2V	660	16	308	8	-7	2295.00	2193.00
842-3GA80E-7FCN1704C	LFSC3GA80E-7FCN1704C	fcBGA-1704	1.2V	904	32	308	8	-7	2601.00	2485.40
*842-L3GA15EP15FN256C	LFSCM3GA15EP1-5FN256C	fpBGA-256	1.2V	139	4	56	8	-5	240.75	235.40
*842-L3GA15EP15FN900C	LFSCM3GA15EP1-5FN900C	fpBGA-900	1.2V	300	8	56	8	-5	297.00	290.40
*842-L3GA15EP16FN256C	LFSCM3GA15EP1-6FN256C	fpBGA-256	1.2V	139	4	56	8	-6	288.00	281.60
*842-L3GA15EP16FN900C	LFSCM3GA15EP1-6FN900C	fpBGA-900	1.2V	300	8	56	8	-6	344.25	336.60
*842-L3GA15EP17FN256C	LFSCM3GA15EP1-7FN256C	fpBGA-256	1.2V	139	4	56	8	-7	364.50	356.40
842-L3GA15EP17FN900C	LFSCM3GA15EP1-7FN900C	fpBGA-900	1.2V	300	8	56	8	-7	420.75	411.40
*842-CM25EP15FFN1020C	LFSCM3GA25EP1-5FFN1020C	fcBGA-1020	1.2V	476	16	104	8	-5	544.50	532.40
*842-L3GA25EP15FN900C	LFSCM3GA25EP1-5FN900C	fpBGA-900	1.2V	378	8	104	8	-5	402.75	393.80
*842-CM25EP16FFN1020C	LFSCM3GA25EP1-6FFN1020C	fcBGA-1020	1.2V	476	16	104	8	-6	621.00	607.20
*842-L3GA25EP16FN900C	LFSCM3GA25EP1-6FN900C	fpBGA-900	1.2V	378	8	104	8	-6	479.25	468.60
842-CM25EP17FFN1020C	LFSCM3GA25EP1-7FFN1020C	fcBGA-1020	1.2V	476	16	104	8	-7	747.00	730.40
842-L3GA25EP17FN900C	LFSCM3GA25EP1-7FN900C	fpBGA-900	1.2V	378	8	104	8	-7	603.00	589.60
*842-GA80EP15FCN1152C	LFSCM3GA80EP1-5FCN1152C	fcBGA-1152	1.2V	660	16	308	8	-5	1836.00	1754.40
*842-A80EP1-5FCN1704C	LFSCM3GA80EP1-5FCN1704C	fcBGA-1704	1.2V	904	32	308	8	-5	2142.00	2046.80
*842-GA80EP16FCN1152C	LFSCM3GA80EP1-6FCN1152C	fcBGA-1152	1.2V	660	16	308	8	-6	2200.50	2102.70
*842-A80EP1-6FCN1704C	LFSCM3GA80EP1-6FCN1704C	fcBGA-1704	1.2V	904	32	308	8	-6	2506.50	2395.10
842-GA80EP17FCN1152C	LFSCM3GA80EP1-7FCN1152C	fcBGA-1152	1.2V	660	16	308	8	-7	2754.00	2631.60
842-A80EP1-7FCN1704C	LFSCM3GA80EP1-7FCN1704C	fcBGA-1704	1.2V	904	32	308	8	-7	3060.00	2924.00

LATTICE Programmable Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

MACHXO CROSSOVER PROGRAMMABLE LOGIC DEVICE

Lattice's MachXO family provides a non-volatile, low cost, low-density, instant-on high-performance logic solution for applications that traditionally used CPLDs. This family has a high pin to logic ratio that is ideal for glue logic, bus bridging, and bus interfacing, power-up control and control logic.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	I/O Combinations	Embedded Block Ram (Kbits)	Distributed Ram (Kbits)	# of PLLs	Speed Grade	Price Each	
									1	25
256 LUTs										
842-MXO256C5TN100C	LCMXO256C-5TN100C	TQFP-100	1.8-3.3V	78	-	2	-	-5 Speed	8.90	6.85
842-MXO256C3TN100C	LCMXO256C-3TN100C	TQFP-100	1.8-3.3V	78	-	2	-	-3 Speed	6.70	5.15
640 LUTs										
842-MXO640C5FN256C	LCMXO640C-5FN256C	fpBGA-256	1.8-3.3V	159	-	6.1	-	-5 Speed	20.00	15.38
842-MXO640C5TN144C	LCMXO640C-5TN144C	TQFP-144	1.8-3.3V	113	-	6.1	-	-5 Speed	17.40	13.38
842-MXO640C5TN100C	LCMXO640C-5TN100C	TQFP-100	1.8-3.3V	74	-	6.1	-	-5 Speed	15.70	12.08
842-MXO640C3FN256C	LCMXO640C-3FN256C	fpBGA-256	1.8-3.3V	159	-	6.1	-	-3 Speed	16.20	12.46
842-MXO640C3TN144C	LCMXO640C-3TN144C	TQFP-144	1.8-3.3V	113	-	6.1	-	-3 Speed	13.60	10.46
842-MXO640C3TN100C	LCMXO640C-3TN100C	TQFP-100	1.8-3.3V	74	-	6.1	-	-3 Speed	11.90	9.15
1200 LUTs										
842-MXO1200C5FTN256C	LCMXO1200C-5FTN256C	ftBGA-256	1.8-3.3V	211	9.2	6.4	1	-5 Speed	26.30	20.23
842-MXO1200C5TN144C	LCMXO1200C-5TN144C	TQFP-144	1.8-3.3V	113	9.2	6.4	1	-5 Speed	23.70	18.23
842-MXO1200C5TN100C	LCMXO1200C-5TN100C	TQFP-100	1.8-3.3V	73	9.2	6.4	1	-5 Speed	22.00	16.92
842-MXO1200C3FTN256C	LCMXO1200C-3FTN256C	ftBGA-256	1.8-3.3V	211	9.2	6.4	1	-3 Speed	20.50	15.77
842-MXO1200C3TN144C	LCMXO1200C-3TN144C	TQFP-144	1.8-3.3V	113	9.2	6.4	1	-3 Speed	17.90	13.77
842-MXO1200C3TN100C	LCMXO1200C-3TN100C	TQFP-100	1.8-3.3V	73	9.2	6.4	1	-3 Speed	16.20	12.46
1200 LUTs										
842-MXO2280C5FTN324C	LCMXO2280C-5FTN324C	ftBGA-324	1.8-3.3V	271	27.6	7.7	2	-5 Speed	44.10	33.92
842-MXO2280C5FTN256C	LCMXO2280C-5FTN256C	fpBGA-256	1.8-3.3V	211	27.6	7.7	2	-5 Speed	39.90	30.69
842-MXO2280C5TN144C	LCMXO2280C-5TN144C	TQFP-144	1.8-3.3V	113	27.6	7.7	2	-5 Speed	37.30	28.69
842-MXO2280C5TN100C	LCMXO2280C-5TN100C	TQFP-100	1.8-3.3V	73	27.6	7.7	2	-5 Speed	35.60	27.38
842-MXO2280C3FTN324C	LCMXO2280C-3FTN324C	ftBGA-324	1.8-3.3V	271	27.6	7.7	2	-3 Speed	34.40	26.46
842-MXO2280C3FTN256C	LCMXO2280C-3FTN256C	fpBGA-256	1.8-3.3V	211	27.6	7.7	2	-3 Speed	30.20	23.23
842-MXO2280C3TN144C	LCMXO2280C-3TN144C	TQFP-144	1.8-3.3V	113	27.6	7.7	2	-3 Speed	27.60	21.23
842-MXO2280C3TN100C	LCMXO2280C-3TN100C	TQFP-100	1.8-3.3V	73	27.6	7.7	2	-3 Speed	25.90	19.92

LATTICEXP NON-VOLATILE INFINITELY RECONFIGURABLE FPGA DEVICE

LatticeXP (eXpanded Programmability) FPGA devices combine the LatticeEC FPGA fabric with low-cost 130nm Flash FPGA technology in a single chip: instant-on (< 1mS configuration), non-volatile memory (on-chip Flash, no external boot prom), high security (no external configuration bitstream), and infinitely reconfigurable (SRAM FPGA fabric).

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	I/O Combinations	Embedded Block Ram (Kbits)	Distributed Ram (Kbits)	# of PLLs	Speed Grade	Price Each	
									1	25
3.1K LUTs										
842-LFXP3C5QN208C	LFXP3C-5QN208C	PQFP-208	1.8-3.3V	136	54	12	2	-5 Speed	22.90	17.62
842-LFXP3C5TN144C	LFXP3C-5TN144C	TQFP-144	1.8-3.3V	100	54	12	2	-5 Speed	21.60	16.62
842-LFXP3C5TN100C	LFXP3C-5TN100C	TQFP-100	1.8-3.3V	62	54	12	2	-5 Speed	20.30	15.62
842-LFXP3C3QN208C	LFXP3C-3QN208C	PQFP-208	1.8-3.3V	136	54	12	2	-3 Speed	17.90	13.77
842-LFXP3C3TN144C	LFXP3C-3TN144C	TQFP-144	1.8-3.3V	100	54	12	2	-3 Speed	16.70	12.85
842-LFXP3C3TN100C	LFXP3C-3TN100C	TQFP-100	1.8-3.3V	62	54	12	2	-3 Speed	15.40	11.85
5.8K LUTs										
842-LFXP6C5FN256C	LFXP6C-5FN256C	fpBGA-256	1.8-3.3V	188	72	23	2	-5 Speed	36.80	28.31
842-LFXP6C5QN208C	LFXP6C-5QN208C	PQFP-208	1.8-3.3V	142	72	23	2	-5 Speed	35.50	27.31
842-LFXP6C5TN144C	LFXP6C-5TN144C	TQFP-144	1.8-3.3V	100	72	23	2	-5 Speed	34.30	26.38
842-LFXP6C3FN256C	LFXP6C-3FN256C	fpBGA-256	1.8-3.3V	188	72	23	2	-3 Speed	28.40	21.85
842-LFXP6C3QN208C	LFXP6C-3QN208C	PQFP-208	1.8-3.3V	142	72	23	2	-3 Speed	27.10	20.85
842-LFXP6C3TN144C	LFXP6C-3TN144C	TQFP-144	1.8-3.3V	100	72	23	2	-3 Speed	25.80	19.85
9.7K LUTs										
842-LFXP10C5FN388C	LFXP10C-5FN388C	fpBGA-388	1.8-3.3V	244	216	39	4	-5 Speed	56.00	43.08
842-LFXP10C5FN256C	LFXP10C-5FN256C	fpBGA-256	1.8-3.3V	188	216	39	4	-5 Speed	53.50	41.15
842-LFXP10C3FN388C	LFXP10C-3FN388C	fpBGA-388	1.8-3.3V	244	216	39	4	-3 Speed	43.00	33.08
842-LFXP10C3FN256C	LFXP10C-3FN256C	fpBGA-256	1.8-3.3V	188	216	39	4	-3 Speed	40.50	31.15
15.4K LUTs										
842-LFXP15C5FN388C	LFXP15C-5FN388C	fpBGA-388	1.8-3.3V	268	324	61	4	-5 Speed	84.10	64.69
842-LFXP15C5FN256C	LFXP15C-5FN256C	fpBGA-256	1.8-3.3V	188	324	61	4	-5 Speed	81.50	62.69
842-LFXP15C3FN388C	LFXP15C-3FN388C	fpBGA-388	1.8-3.3V	268	324	61	4	-3 Speed	64.20	49.38
842-LFXP15C3FN256C	LFXP15C-3FN256C	fpBGA-256	1.8-3.3V	188	324	61	4	-3 Speed	61.60	47.38
19.7K LUTs										
842-LFXP20C5FN256C	LFXP20C-5FN256C	fpBGA-256	1.8-3.3V	188	396	79	4	-5 Speed	98.20	75.54
842-LFXP20C3FN256C	LFXP20C-3FN256C	fpBGA-256	1.8-3.3V	188	396	79	4	-3 Speed	73.60	56.62

MACHXO / LATTICEXP EVALUATION BOARDS & SOFTWARE

- ispLEVER, Base Version optional. Only required when needed to take advantage of advance functions of the MachXO/LatticeXP evaluation boards.
- ispVM required to communicate with MachXO/LatticeXP evaluations boards. Can be obtained at http://www.latticesemi.com/software
- Evaluation Boards packaged with 25 pin parallel cable.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Download Cable	Power Supply	Device Included	Description	Price Each
842-LCMXO640C-L-EV	LCMXO640C-L-EV	Yes	Yes	LCMXO640C-4F256C	MachXO Standard Eval Board (ispLEVER not included).	250.00
842-LFXP10C-L-EV	LFXP10C-L-EV	Yes	Yes	LFXP10C-4F256C	LatticeXP Standard Eval Board (ispLEVER not included).	250.00
842-LS-HDL-BASE-PC-N	LS-HDL-BASE-PC-N	-	-	-	ispLEVER, Base Version (Windows)	695.00
842-LS-ADV-LX-F	LS-ADV-LX-F	-	-	-	ispLEVER, Advanced Version (Linux)	1,995.00
842-LS-ADV-WS-F	LS-ADV-WS-F	-	-	-	ispLEVER, Advanced Version (Unix)	1,995.00

MATHSTAR Field Programmable Object Array™ (FPOA) MATHSTAR™

Products may be RoHS compliant.
Check mouser.com for RoHS status.

MathStar has several Field Programmable Object Array™ (FPOA) products that can help you realize your design. These high-performance semiconductors are supported by a wide range of development tools, IP libraries and supporting documentation at many different levels of detail.

Our flagship product is the MathStar™ Arrix™ FPOA. This powerful device can operate at speeds up to 1 GHz and can be programmed to serve a number of useful functions. The Arrix Family supports 400 programmable objects, 64 bits of high-speed LVDS I/O, 96 general purpose I/O and two independent external memory interfaces. The Arrix Family offers 2.5 times more internal memory and twice the high speed I/O of previous generations of FPOA products.

ITAR - International Trade in Arms Regulations and Export Administration Regulated.
An Export License will be required on this product for any exports from the U.S. and an Export End-User Statement will be required for sales within the U.S.

Arrix Family Silicon Object and I/O Specifications

Resources	Number	Operating Speed	Size Each	Total Capability
ALU	256 objects	Up to 1 GHz	16 bits + control logic	One operation per clock
RF	80 objects	Up to 1 GHz	128 Byte + 80 tag bits	One operation per clock
MAC	64 objects	Up to 1 GHz	16x16 bit multiplier	One operation per clock
Internal RAM	12 banks	Up to 700 MHz	2K x 76 bits	84 GBytes/sec total
External RAM	2 interfaces	Up to 266 MHz DDR	36 bit RLDRAM II	4.8 GBytes/sec total
GPIO	2 banks	Up to 100 MHz	48 pins per bank	96 pins
High Speed I/O Transmit	2 ports	18-500 MHz DDR	16 + 1 bit LVDS	32 Gbps
High Speed I/O Receive	2 ports	250-500 MHz DDR	16 + 1 bit LVDS	32 Gbps

SILICON PRODUCTS

Features:
- Arrix Field Programmable Object Arrays provides hundreds of Silicon Objects in the form of Arithmetic Logic Units (ALU), Register Files (RF), and Multiply Accumulators (MAC).

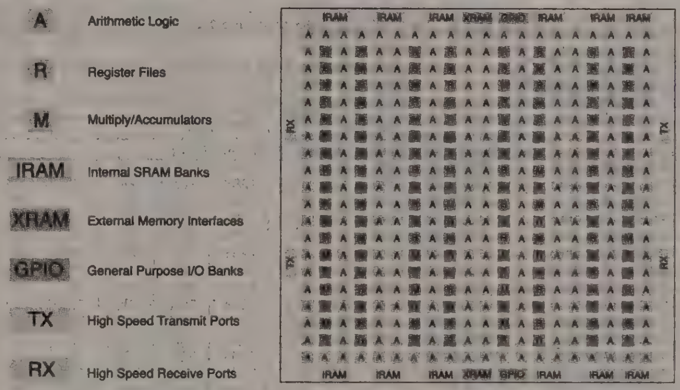
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	MathStar Part No.	Operating Voltage	Logic Blocks	Operating Freq.	Operating Temp. Range	Package Case	Description	Price Each	
								1	10
596-MOA2400D-06	MOA2400D-06	+ 1.14 V to + 1.26 V	400 Object	600 MHz	- 40 C to + 125 C	HFCBGA-896	Arrix Field Programmable Object Array, 600 MHz, industrial pkg.	475.00	385.00
596-MOA2400D-08	MOA2400D-08	+ 1.14 V to + 1.26 V	400 Object	800 MHz	- 40 C to + 125 C	HFCBGA-896	Arrix Field Programmable Object Array, 800 MHz, industrial pkg.	695.00	495.00
596-MOA2400D-09	MOA2400D-09	+ 1.14 V to + 1.26 V	400 Object	900 MHz	- 40 C to + 125 C	HFCBGA-896	Arrix Field Programmable Object Array, 1 GHz, industrial pkg.	805.00	575.00
596-MOA2400D-10	MOA2400D-10	+ 1.14 V to + 1.26 V	400 Object	1 GHz	- 40 C to + 125 C	HFCBGA-896	Arrix Field Programmable Object Array, 1 GHz, industrial pkg.	945.00	795.00
596-MOA2400D-06R	MOA2400D-06R	+ 1.14 V to + 1.26 V	400 Object	600 MHz	- 40 C to + 125 C	HFCBGA-896	Arrix Field Programmable Object Array, 600 MHz, RoHS pkg.	475.00	385.00
596-MOA2400D-08R	MOA2400D-08R	+ 1.14 V to + 1.26 V	400 Object	800 MHz	- 40 C to + 125 C	HFCBGA-896	Arrix Field Programmable Object Array, 800 MHz, RoHS pkg.	695.00	495.00
596-MOA2400D-09R	MOA2400D-09R	+ 1.14 V to + 1.26 V	400 Object	900 MHz	- 40 C to + 125 C	HFCBGA-896	Arrix Field Programmable Object Array, 900 MHz, RoHS pkg.	805.00	575.00
596-MOA2400D-10R	MOA2400D-10R	+ 1.14 V to + 1.26 V	400 Object	1 GHz	- 40 C to + 125 C	HFCBGA-896	Arrix Field Programmable Object Array, 1 GHz, RoHS pkg.	995.00	795.00

FPOA SOFTWARE PRODUCTS

MathStar's FPOA design tools enable designers to create, verify, program and debug their algorithms on FPOA devices. Designs are entered and behaviorally simulated using Summit Visual Elite™. Then they are compiled into an intermediate language representation and mapped into the hardware resources of the FPOA using the MathStar COAST tool for floorplanning and placement. The Object Compiler generates an object code stream that designers can load onto the array via a PROM or through the FPOA's JTAG interface. The FPOA Debugger tool allows designers to analyze their designs once they are loaded into the FPOA. The FPOA Design Flow allows designers to take advantage of the FPOA's deterministic timing. Designs implemented in FPOAs are timed only on cycle boundaries of the object and internal clock with no need for gate-level timing closure. This simplified design process improves productivity and development predictability.

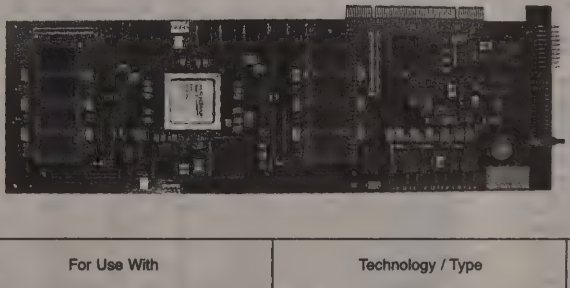
Features:
- Supports graphical and System C language-based design
- Provides streamlined design process compared to FPGAs, improving productivity and development predictability
- Enables deterministic design approach, avoiding prolonged design iterations to achieve gate-level timing closure
- Includes cycle-accurate C models for fast and accurate hardware simulation
- Incorporates intuitive floorplanning, compilation, and debugging tools


A Arithmetic Logic
R Register Files
M Multiply/Accumulators
IRAM Internal SRAM Banks
XRAM External Memory Interfaces
GPIO General Purpose I/O Banks
TX High Speed Transmit Ports
RX High Speed Receive Ports
IRAM
XRAM
GPIO
RX
TX

MOUSER STOCK NO.	MathStar Part No.	Device Supported	Description	Function	Price Each
596-MDS-VCD02-T03FW	MDS-VCD02-T03FW	ArrixTM MOA2400D	FPOA Design Software 2.0, 3 month evaluation license	Evaluation software - 3 months	2500.00
596-MDS-VCD02-T12FW	MDS-VCD02-T12FW	ArrixTM MOA2400D	FPOA Design Software 2.0, 12 month license	Design software - 12 months	10000.00

FPOA EVALUATION BOARD

MathStar offers their high-performance FPOA product on an evaluation board that is designed to speed agorithm and system development. Applications or algorithms can be designed in the FPOA tool suite well in advance of designing specific hard-ware platforms. This speeds time-to-market and decreases risk. Evaluation board ordering information is available below.



Features:
- ArrixTM Development System, includes MP2400D PCI board with MOA2400D-10 FPOA, pre-installed in PC chassis with software drivers.

MOUSER STOCK NO.	MathStar Part No.	Description	For Use With	Technology / Type	Price Each
596-MS2400D-10	MS2400D-10	Arrix™ Development System	JTAG / Parallel EEPROM Interface	ArrixTM MOA2400D-10 FPOA	4995.00

STMICROELECTRONICS Programmable System Devices

**Products may be RoHS compliant.
Check mouser.com for RoHS status.**

STMICROELECTRONICS DIGITAL SIGNAL PROCESSOR (DSP) MEMORY FOR ADSP-218X FAMILY

These system memory devices are for use with Digital Signal Processors (DSP) from the popular Analog Devices ADSP-218X Family. DSM means Digital signal processor System Memory. A DSM device brings in-system programmable flash memory, programmable logic, and additional I/O to DSP systems. The result is a simple and flexible two-chip solution for DSP designs. DSM devices provide the flexibility of flash memory and smart JTAG programming techniques for both manufacturing and the field. On-chip integrated memory, decode logic and memory paging logic make it easy to add large amounts of external flash memory to the ADSP-218X family for bootloading upon power-up and/or overlay memory. The DSP accesses this flash memory using either its byte DMA (BDMA) interface or as an external data overlay memory (no DMA setup overhead).

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Memory Access Time (ns)	Data Bus Width (bits)	Main Flash (bytes)	2nd Flash (bytes)	PLD Inputs	Input* Microcells	Output Microcells	PLD Outputs	8-bit Page Register	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each		
Mfr.	Mfr. Part No.														1	10	100
Surface Mount																	
511	DSM2150F5V-12T6	TQFP-80	120	8/16	512K	32K	82	24	16	24	Yes	16	3.0-3.6	-40 to +85	15.09	13.85	10.62

STMICROELECTRONICS MICRO PROGRAMMABLE SYSTEM DEVICES (μPSD)

The μPSD product family features an 8032-microcontroller core surrounded by dual banks of Flash memory, SRAM, programmable logic, I/O, and a wide variety of peripherals. With Flash and SRAM densities up to 288 Kbytes and 8 Kbytes respectively, the μPSD3200 family of devices offers the largest Flash and SRAM densities available today in an 8032-class microcontroller, and the only one to include on-chip programmable logic.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Performance @ Clock (MHz)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	USB 1.1 Speed	Timers/ Counters	PWM Ch.	I²C Ch.	SPI Ch.	DDC Ch.	Watchdog/ VCC Reset	GPIO	8032 Bus Access	Operating Voltage (V)	Price Each		
Mfr.	Mfr. Part No.																1	10	100
Surface Mount																			
511	UPSD3254A-40U6	TQFP-80	3 MIP @ 40	256K	32K	32K	Low	3	5	1	No	Yes	Yes	46	Yes	4.5-5.0	16.55	15.20	11.65
511	UPSD3254BV-24U6	TQFP-80	2 MIP @ 24	256K	32K	32K	No	3	5	1	No	Yes	Yes	46	Yes	3.0-3.6	14.88	13.67	10.48
511	UPSD3234A-40U6	TQFP-80	3 MIP @ 40	256K	32K	8K	Low	3	5	1	No	Yes	Yes	46	Yes	4.5-5.0	14.12	12.96	9.94
511	UPSD3234A-40T6	TQFP-52	3 MIP @ 40	256K	32K	8K	Low	3	5	1	No	Yes	Yes	37	No	4.5-5.0	13.25	12.17	9.33
511	UPSD3233B-40U6	TQFP-80	3 MIP @ 40	128K	32K	8K	No	3	5	1	No	Yes	Yes	46	Yes	4.5-5.0	12.66	11.63	8.91
511	UPSD3233BV-24T6	TQFP-52	2 MIP @ 24	128K	32K	8K	No	3	5	1	No	Yes	Yes	37	No	3.0-3.6	11.79	10.83	8.30
511	UPSD3212CV-24T6	TQFP-52	2 MIP @ 24	64K	16K	2K	No	3	5	1	No	No	Yes	37	No	3.0-3.6	8.13	8.01	6.98
511	UPSD3212CV-24U6	TQFP-80	2 MIP @ 24	64K	16K	2K	No	3	5	1	No	No	Yes	46	Yes	3.0-3.6	9.14	9.00	7.85

STMICROELECTRONICS MICRO PROGRAMMABLE SYSTEM DEVICES (μPSD) 3300 SERIES

The Turbo uPSD33xx Series combines a powerful 8051-based microcontroller with a flexible memory structure, programmable logic, and a rich peripheral mix to form an ideal embedded controller. At its core is a fast 4-cycle 8032 MCU with a 6-byte instruction prefetch queue (PFQ) and a 4-entry fully associative branching cache (BC) to maximize MCU performance, enabling loops of code in smaller localities to execute extremely fast.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Performance @ Clock (MHz)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	Macrocells	UART	Timers/ Counters	12C Channel	IrDA Protocol	ADC Channel	PWM	GPIO	8032 Bus Access	Operating Voltage (V)	Price Each		
Mfr.	Mfr. Part No.																1	10	100
Surface Mount																			
511	UPSD3312DV-40T6	TQFP-52	8 MIPS @ 40	64K	16K	2K	16	2	9	1	Yes	Yes	Yes	37	No	-40 to + 85	8.16	8.04	7.01
511	UPSD3333D-40T6	TQFP-52	10 MIPS @ 40	128K	32K	8K	16	2	9	1	Yes	Yes	Yes	37	No	-40 to + 85	11.22	10.30	7.90
511	UPSD3333D-40U6	TQFP-80	10 MIPS @ 40	128K	32K	8K	16	2	9	1	Yes	Yes	Yes	37	No	-40 to + 85	11.97	10.99	8.43
511	UPSD3333DV-40T6	TQFP-52	8 MIPS @ 40	128K	32K	8K	16	2	9	1	Yes	Yes	Yes	37	No	-40 to + 85	11.22	10.30	7.90
511	UPSD3333DV-40U6	TQFP-80	8 MIPS @ 40	128K	32K	8K	16	2	9	1	Yes	Yes	Yes	37	No	-40 to + 85	12.66	11.63	8.91
511	UPSD3334DV-40U6	TQFP-80	8 MIPS @ 40	256K	32K	8K	16	2	9	1	Yes	Yes	Yes	46	Yes	-40 to + 85	12.65	11.61	8.91

STMICROELECTRONICS EASY FLASH PROGRAMMABLE SYSTEM DEVICES (PSD)

Surface Mount Devices

∗These devices feature an EEPROM in place of the 2nd bank of Flash memory

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Memory Access Time (ns)	Data Bus Width (bits)	Main Flash (bytes)	2nd Flash (bytes)	SRAM (bytes)	PLD Inputs	Input Macrocells	Output Macrocells	PLD Outputs	8-bit Page Register	JTAG Prog.	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each		
Mfr.	Mfr. Part No.																1	10	100
PSD with In-System Programmable Flash System (5 Volt) (8-Bit Data Path)																			
511	PSD813F1A-90J	PLCC-52	90	8	128K	32K∗	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	14.05	12.90	9.89
511	PSD813F1A-90U	TQFP-52	90	8	128K	32K∗	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	15.22	13.98	10.72
511	PSD813F1A-12JI	PLCC-52	120	8	128K	32K∗	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	15.31	14.06	10.78
511	PSD813F2A-90J	PLCC-52	90	8	128K	32K∗	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	12.85	11.80	9.05
511	PSD813F2A-90JI	PLCC-52	90	8	128K	32K∗	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	14.02	12.88	9.88
511	PSD813F2A-90M	TQFP-52	90	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	12.85	11.80	9.05
511	PSD813F2A-90MI	TQFP-52	90	8	128K	32K	2K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	14.02	12.88	9.88
511	PSD833F2-90J	PLCC-52	90	8	128K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	14.39	13.21	10.13
511	PSD834F2-70J	PLCC-52	70	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	17.77	16.32	12.51
511	PSD834F2-90J	PLCC-52	90	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	16.93	15.55	11.92
511	PSD854F2-70J	PLCC-52	70	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	18.54	15.95	14.01
511	PSD854F2-90J	PLCC-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	0 to +70	17.67	15.20	13.36
511	PSD854F2-90JI	PLCC-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	19.25	16.57	14.55
511	PSD854F2-90MI	TQFP-52	90	8	256K	32K	32K	73	24	16	19	Yes	Yes	27	4.5-5.0	-40 to +85	19.25	16.57	14.55
PSD with In-System Programmable Flash System (5 Volt) (16-Bit Data Path)																			
511	PSD835G2-90U	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	0 to +70	18.04	15.53	13.64
511	PSD4235G2-90U	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	0 to +70	19.41	16.70	14.67
511	PSD4235G2-90UI	TQFP-80	90	16	512K	32K	8K	82	24	16	24	Yes	Yes	52	4.5-5.0	-40 to +85	21.17	18.22	16.00
PSD with In-System Programmable Flash System (3 Volt) (8-Bit Data Path)																			
511	PSD834F2V-15J	PLCC-52	150	8	256K	32K	8K	73	24	16	19	Yes	Yes	27	3.0 - 3.6	0 to +70	17.95	16.48	12.64
PSD with In-System Programmable Flash System (3 Volt) (16-Bit Data Path)																			
511	PSD4256G6V-10UI	TQFP-80	100	16	1024K	64K	32K	82	24	16	24	Yes	Yes	52	2.7 - 3.6	-40 to +85	27.85	23.97	21.05

STMICROELECTRONICS ONE TIME PROGRAMMABLE (OTP) PROGRAMMABLE SYSTEM DEVICES (PSD)

PSD with One Time Programmable (OTP) EPROMs (5 Volt)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Memory Access Time (ns)	Data Bus Width (bits)	EPROM (bytes)	SRAM (bytes)	PLD Inputs	Product Terms	PLD Outputs	8-bit Page Register	GPIO	Operating Voltage (V)	Temperature Range (°C)	Price Each		
														1	10	100
Surface Mount																
511-ZPSD301B-70J	ZPSD301B-70J	PLCC-44	70	8/16	32K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	13.72	12.60	9.66
511-ZPSD301B-90JI	ZPSD301B-90JI	PLCC-44	90	8/16	32K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	13.98	12.84	9.84
511-ZPSD303B-90JI	ZPSD303B-90JI	PLCC-44	90	8/16	128K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	18.19	16.70	12.81
511-PSD311B-70J	PSD311B-70J	PLCC-44	70	8	32K	2K	12	40	11	Yes	19	4.5 - 5.5	0 to +70	12.07	11.08	8.50
511-PSD312B-70J	PSD312B-70J	PLCC-44	70	8	64K	2K	16	40	11	Yes	19	4.5 - 5.5	0 to +70	14.08	12.93	9.91
511-PSD312B-90JI	PSD312B-90JI	PLCC-44	90	8	64K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	14.34	13.17	10.10
511-PSD313B-90JI	PSD313B-90JI	PLCC-44	90	8	128K	2K	16	40	11	Yes	19	4.5 - 5.5	-40 to +85	16.51	15.16	11.62

FAIRCHILD Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
74AC Series						
◆512	74AC00MTC	TSSOP-14	Quad 2-Input NAND Gate	.36	.30	.23
512	74AC00PC	DIP-14	Quad 2-Input NAND Gate	.29	.24	.18
◆512	74AC00SCX	SOIC-14	Quad 2-Input NAND Gate	.29	.24	.18
◆512	74AC00SJ	SOP-14	Quad 2-Input NAND Gate	.36	.30	.23
◆512	74AC02MTC	TSSOP-14	Quad 2-Input NAND Gate	.37	.30	.23
512	74AC02PC	DIP-14	Quad 2-Input NAND Gate	.44	.35	.26
◆512	74AC02SC	SOIC-14	Quad 2-Input NAND Gate	.39	.31	.22
◆512	74AC02SJ	SOP-14	Quad 2-Input NAND Gate	.36	.30	.23
◆512	74AC04MTC	TSSOP-14	Hex Inverter	.34	.28	.21
512	74AC04PC	DIP-14	Hex Inverter	.29	.24	.18
◆512	74AC04SC	SOIC-14	Hex Inverter	.29	.24	.18
◆512	74AC04SCX	SOIC-14	Hex Inverter	.29	.24	.18
◆512	74AC04SJ	SOP-14	Hex Inverter	.48	.40	.30
◆512	74AC05SC	SOIC-14	Hex Inverter	.38	.32	.24
◆512	74AC08MTC	TSSOP-14	Quad 2-Input AND Gate	.34	.28	.21
512	74AC08PC	DIP-14	Quad 2-Input AND Gate	.29	.24	.18
◆512	74AC08SJ	SOP-14	Quad 2-Input AND Gate	.36	.30	.23
◆512	74AC109MTC	TSSOP-16	Dual JK Positive Flip-Flop	.48	.40	.30
◆512	74AC109SC	SOIC-16	Dual JK Positive Flip-Flop	.48	.36	.28
◆512	74AC109SJ	SOP-16	Dual JK Positive Flip-Flop	.50	.42	.32
◆512	74AC10MTC	TSSOP-14	Triple 3-Input NAND Gate	.37	.30	.23
512	74AC10PC	DIP-14	Triple 3-Input NAND Gate	.43	.36	.27
◆512	74AC10SC	SOIC-14	Triple 3-Input NAND Gate	.31	.26	.20
◆512	74AC11MTC	TSSOP-14	Triple 3-Input AND Gate	.37	.30	.23
512	74AC11PC	DIP-14	Triple 3-Input AND Gate	.43	.36	.27
◆512	74AC11SC	SOIC-14	Triple 3-Input AND Gate	.39	.31	.22
◆512	74AC125MTC	TSSOP-14	Quad Buffer	.38	.32	.24
512	74AC125PC	DIP-14	Quad Buffer	.45	.37	.28
◆512	74AC138MTC	TSSOP-16	1-of-8 Decoder/Demultiplexer	.46	.38	.29
512	74AC138PC	DIP-16	1-of-8 Decoder/Demultiplexer	.52	.39	.29
◆512	74AC138SCX	SOIC-16	1-of-8 Decoder/Demultiplexer	.46	.38	.29
◆512	74AC138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	.62	.51	.39
512	74AC139PC	DIP-16	Dl 1-of-4 Decoder/Demultiplexer	.52	.39	.29
◆512	74AC139SC	SOIC-16	Dl 1-of-4 Decoder/Demultiplexer	.46	.38	.29
◆512	74AC139SCX	SOIC-16	Dual 1-of-4 Decoder/Demultiplexer	.46	.38	.29
◆512	74AC14MTC	TSSOP-14	Hex Inverter	.35	.29	.22
512	74AC14PC	DIP-14	Hex Inverter	.55	.44	.33
◆512	74AC14SC	SOIC-14	Hex Inverter	.31	.26	.20
◆512	74AC14SCX	SOIC-14	Hex Inverter Schmitt Trigger Input	.31	.26	.20
◆512	74AC14SJ	SOP-14	Hex Inverter	.42	.34	.26
◆512	74AC151MTC	TSSOP-16	8-Input Multiplexer	.46	.38	.29
512	74AC151PC	DIP-16	8-Input Multiplexer	.52	.39	.29
◆512	74AC151SJ	SOP-16	8-Input Multiplexer	.62	.51	.39
512	74AC153PC	DIP-16	Dual 4-Input Multiplexer	.62	.51	.39
◆512	74AC153SC	SOIC-16	Dual 4-Input Multiplexer	.46	.38	.29
◆512	74AC157MTC	TSSOP-16	Quad 2-Input Multiplexer	.46	.38	.29
512	74AC157PC	DIP-16	Quad 2-Input Multiplexer	.62	.51	.39
◆512	74AC161MTC	TSSOP-16	Synchronous Binary Counter	.48	.40	.30
512	74AC161PC	DIP-16	Synchronous Binary Counter	.50	.42	.32
512	74AC163PC	DIP-16	Synchronous Binary Counter	.67	.55	.42
512	74AC169PC	DIP-16	4-Stage Synch Bidirectional Ctr	.67	.55	.42
◆512	74AC169SC	SOIC-16	4-Stage Syn Bidirectional Ctr	.53	.44	.33
◆512	74AC169SJ	SOP-16	4-Stage Syn Bidirectional Ctr	.67	.55	.42
◆512	74AC174MTC	TSSOP-16	Hex D Flip-Flop	.48	.40	.30
512	74AC174PC	DIP-16	Hex D Flip-Flop	.67	.55	.42
◆512	74AC174SJ	SOP-16	Hex D Flip-Flop	.67	.55	.42
◆512	74AC175MTC	TSSOP-16	Quad D-Type Flip-Flop	.48	.40	.30
512	74AC175PC	DIP-16	Quad D-Type Flip-Flop	.67	.55	.42
◆512	74AC175SC	SOIC-16	Quad D-Type Flip-Flop	.48	.36	.28
◆512	74AC175SJ	SOP-16	Quad D-Type Flip-Flop	.67	.55	.42
512	74AC191PC	DIP-16	Up/Down Counter	1.34	1.11	.84
◆512	74AC191SJ	SOP-16	Up/Down Counter	1.34	1.11	.84
◆512	74AC20MTC	TSSOP-14	Dual 4-Input NAND Gate	.35	.29	.22
512	74AC20PC	DIP-14	Dual 4-Input NAND Gate	.45	.36	.27
◆512	74AC20SC	SOIC-14	Dual 4-Input NAND Gate	.31	.26	.20
◆512	74AC20SJ	SOP-14	Dual 4-Input NAND Gate	.37	.30	.23
512	74AC240PC	DIP-20	Octal Buffer/Line Driver	.70	.57	.44
◆512	74AC240SJ	SOP-20	Octal Buffer/Line Driver	.65	.53	.41
◆512	74AC244SC	SOIC-20	Octal Buffer/Line Driver	.50	.42	.32
◆512	74AC244SCX	SOIC-20	Octal Buffer/Line Driver	.42	.32	.24
◆512	74AC244SJ	SOP-20	Octal Buffer/Line Driver	.65	.53	.41
◆512	74AC245MTC	TSSOP-20	Octal Bidirectional Transceiver	.50	.42	.32
◆512	74AC245SCX	SOIC-20	Octal Bidirectional Transceiver	.48	.36	.27
◆512	74AC245SJ	SOP-20	Octal Bidirectional Transceiver	.65	.53	.41
512	74AC251PC	DIP-16	8-Input Multiplexer	.62	.51	.39
◆512	74AC251SC	SOIC-16	8-Input Multiplexer	.46	.38	.29
◆512	74AC253SC	SOIC-16	Dual 4-Input Multiplexer	.46	.38	.29
◆512	74AC257SC	SOIC-16	Quad 2-Input Multiplexer	.46	.38	.29
◆512	74AC273SCX	SOIC-20	Octal D-Type Flip-Flop	.49	.37	.27
◆512	74AC273SJ	SOP-20	Octal D-Type Flip-Flop	.65	.53	.41

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
512	74AC299PC	DIP-20	8-Input Univ Shift/Storage Rgstr	.94	.77	.59
◆512	74AC299SJ	SOP-20	8-Input Univ Shift/Storage Rgstr	.94	.77	.59
◆512	74AC32MTC	TSSOP-14	Quad 2-Input OR Gate	.34	.28	.21
512	74AC32PC	DIP-14	Quad 2-Input OR Gate	.29	.24	.18
◆512	74AC32SC	SOIC-14	Quad 2-Input OR Gate	.29	.24	.18
◆512	74AC32SJ	SOP-14	Quad 2-Input OR Gate	.36	.30	.23
◆512	74AC373MTC	TSSOP-20	Octal Transparent Latch	.50	.42	.32
◆512	74AC373SCX	SOIC-20	Octal Transparent Latch	.50	.42	.32
◆512	74AC374MTC	TSSOP-20	Octal D-Type Flip-Flop	.50	.42	.32
◆512	74AC374SC	SOIC(W)-20	Octal D-Type Flip-Flop	.50	.42	.32
◆512	74AC374SJ	SOP-20	Octal D-Type Flip-Flop	.65	.53	.41
◆512	74AC377SJ	SOP-20	Octal D-Type Flip-Flop	.65	.53	.41
◆512	74AC521SC	SOIC(W)-20	8-Bit Identity Comparator	.55	.44	.38
512	74AC540PC	DIP-20	Octal Buffer/Line Driver	.77	.63	.48
◆512	74AC540SC	SOIC-20	Octal Buffer/Line Driver	.55	.42	.32
512	74AC541PC	DIP-20	Octal Buffer/Line Driver	.64	.48	.36
◆512	74AC541SCX	SOIC-20	Octal Buffer/Line Driver	.56	.42	.32
◆512	74AC541SJ	SOP-20	Octal Buffer/Line Driver	.67	.55	.42
◆512	74AC573MTC	TSSOP-20	Octal Latch	.96	.79	.60
◆512	74AC573SJ	SOP-20	Octal Latch	.96	.79	.60
512	74AC574PC	DIP-20	Octal D-Type Flip-Flop	.77	.63	.48
◆512	74AC574SC	SOIC(W)-20	Octal D-Type Flip-Flop	.56	.42	.32
◆512	74AC574SJ	SOP-20	Octal D-Type Flip-Flop	.67	.55	.42
◆512	74AC74MTC	TSSOP-14	Dual D-Type Triggered Flip-Flop	.36	.30	.23
512	74AC74PC	DIP-14	Dual D-Type Triggered Flip-Flop	.55	.44	.33
◆512	74AC74SC	SOIC-14	Dual D-Type Triggered Flip-Flop	.41	.32	.26
◆512	74AC86MTC	TSSOP-14	Qd 2-Input Exclusive-OR Gate	.33	.27	.20
512	74AC86PC	DIP-14	Qd 2-Input Exclusive-OR Gate	.53	.44	.33
◆512	74AC86SJ	SOP-14	Qd 2-Input Exclusive-OR Gate	.37	.31	.23
74ACQ Series						
◆512	74ACQ244SCX	SOIC-20	Quiet Series Octal Buffer/Line Driver	3.02	2.49	1.89
◆512	74ACQ245SCX	SOIC-20	Quiet Series Octal Bidirectional Transceiver	3.02	2.49	1.89
◆512	74ACQ574SCX	SOIC-20	Quiet Series Octal D Flip-Flop	3.02	2.49	1.89
74ACT Series						
◆512	74ACT00MTC	TSSOP-14	Quad 2-Input NAND Gate	.36	.29	.22
512	74ACT00PC	DIP-14	Quad 2-Input NAND Gate	.29	.24	.18
◆512	74ACT00SJ	SOP-14	Quad 2-Input NAND Gate	.36	.30	.23
◆512	74ACT02MTC	TSSOP-14	Quad 2-Input NOR Gate	.45	.37	.28
◆512	74ACT04MTC	TSSOP-14	Hex Inverter	.36	.29	.22
◆512	74ACT04SCX	SOIC-14	Hex Inverter	.30	.25	.19
512	74ACT08PC	DIP-14	Quad 2-Input AND Gate	.33	.27	.21
◆512	74ACT08SC	SOIC-14	Quad 2-Input AND Gate	.32	.27	.20
512	74ACT109PC	DIP-16	Dual JK Triggered Flip-Flop	.67	.55	.42
◆512	74ACT109SCX	SOIC-16	Dual JK Pos. Edge-Triggered Flip-Flop	.48	.40	.30
◆512	74ACT10MTC	TSSOP-14	Triple 3-Input NAND Gate	.45	.37	.28
◆512	74ACT10SC	SOIC-14	Triple 3-Input NAND Gate	.43	.36	.27
◆512	74ACT125MTC	TSSOP-14	Quad Buffer	.38	.32	.24
512	74ACT125PC	DIP-14	Quad Buffer	.67	.55	.42
◆512	74ACT125SCX	SOIC-14	Quad Buffer	.38	.32	.24
◆512	74ACT125SJ	SOP-14	Quad Buffer	.53	.44	.33
512	74ACT138PC	DIP-16	1-of-8 Decoder/Demultiplexer	.62	.51	.39
◆512	74ACT138SCX	SOIC-16	1-of-8 Decoder/Demultiplexer	.46	.38	.29
◆512	74ACT139MTC	TSSOP-16	Dl 1-of-4 Decoder/Demultiplexer	.46	.38	.29
512	74ACT139PC	DIP-16	Dl 1-of-4 Decoder/Demultiplexer	.62	.51	.39
◆512	74ACT139SC	SOIC-16	Dl 1-of-4 Decoder/Demultiplexer	.46	.38	.29
◆512	74ACT139SJ	SOP-16	Dl 1-of-4 Decoder/Demultiplexer	.62	.51	.39
◆512	74ACT14MTC	TSSOP-14	Hex Inv Schmitt Trigger Input	.34	.28	.21
512	74ACT14PC	DIP-14	Hex Inv Schmitt Trigger Input	.53	.44	.33
◆512	74ACT14SC	SOIC-14	Hex Inv Schmitt Trigger Input	.31	.26	.20
◆512	74ACT151SJ	SOP-16	8-Input Multiplexer	.62	.51	.39
◆512	74ACT153MTC	TSSOP-16	Dual 4-Input Multiplexer	.46	.38	.29
◆512	74ACT157MTC	TSSOP-16	Quad 2-Input Multiplexer	.46	.38	.29
512	74ACT157PC	DIP-16	Quad 2-Input Multiplexer	.51	.39	.29
◆512	74ACT157SC	SOIC-16	Quad 2-Input Multiplexer	.46	.38	.29
◆512	74ACT161MTC	TSSOP-16	Synchronous Binary Counter	.48	.40	.30
512	74ACT161PC	DIP-16	Synchronous Binary Counter	.67	.55	.42
◆512	74ACT161SC	SOIC-16	Synchronous Binary Counter	.48	.36	.28
◆512	74ACT16240MTD	TSSOP-48	16-Bit Inverting Buffer/Driver	2.16	1.78	1.35
◆512	74ACT16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	2.16	1.78	1.35
◆512	74ACT16244SSC	SSOP-48	16-Bit Buffer/Line Driver	2.16	1.78	1.35
◆512	74ACT16245MTDX	TSSOP-48	16-Bit Transceiver	2.16	1.78	1.35
◆512	74ACT16245SSC	SSOP-48	16-Bit Transceiver	2.16	1.78	1.35
◆512	74ACT16373MTDX	TSSOP-48	16-Bit Transparent Latch	2.16	1.78	1.35
◆512	74ACT16373SSC	SSOP-48	16-Bit Transparent Latch	2.16	1.78	1.35
◆512	74ACT16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	2.16	1.78	1.35
512	74ACT163PC	DIP-16	Synchronous Binary Counter	.55	.42	.32
◆512	74ACT163SJ	SOP-16	Synchronous Binary Counter	.67	.55	.42
◆512	74ACT16541MTD	TSSOP-48	16-Bit Buffer/Line Driver	3.46	2.85	2.16
◆512	74ACT16541SSC	SSOP-48	16-Bit Buffer/Line Driver	3.46	2.85	2.16
◆512	74ACT16646MTD	TSSOP-56	16-Bit Transceiver/Register	3.46	2.85	2.16

FAIRCHILD Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

◆ **Surface Mount Device**

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
74ACT Series (cont.)						
◆512	74ACT174MTC	TSSOP-16	Hex D Flip-Flop	.48	.40	.30
512	74ACT174PC	DIP-16	Hex D Flip-Flop	.67	.55	.42
◆512	74ACT174SCX	SOIC-16	Hex D Flip-Flop	.48	.40	.30
◆512	74ACT175MTC	TSSOP-16	Quad D-Type Flip-Flop	.48	.40	.30
◆512	74ACT175SJ	SOP-16	Quad D-Type Flip-Flop	.67	.55	.42
◆512	74ACT18825SSC	SSOP-56	18-Bit Buffer/Line Driver	5.49	4.58	3.27
512	74ACT240PC	DIP-20	Octal Buffer/Line Driver	.58	.44	.33
◆512	74ACT244MTC	TSSOP-20	Octal Buffer/Line Driver	.50	.42	.32
512	74ACT244PC	DIP-20	Octal Buffer/Line Driver	.58	.44	.33
◆512	74ACT244SCX	SOIC-20	Octal Buffer/Line Driver	.50	.42	.32
512	74ACT245PC	DIP-20	Octal Bidirectional Transceiver	.60	.45	.34
◆512	74ACT245SJ	SOP-20	Octal Bidirectional Transceiver	.65	.53	.41
◆512	74ACT245SCX	SOIC-20	Octal Bidirectional Transceiver	.48	.36	.27
◆512	74ACT251MTC	TSSOP-16	8-Input Multiplexer	.46	.38	.29
◆512	74ACT253SC	SOIC-16	Dual 4-Input Multiplexer	.46	.38	.29
◆512	74ACT257MTC	TSSOP-16	Quad 2-Input Multiplexer	.46	.38	.29
◆512	74ACT257SCX	SOIC-16	Quad 2-Input Multiplexer	.46	.38	.29
◆512	74ACT273MTC	TSSOP-20	Octal D-Type Flip-Flop	.58	.44	.33
512	74ACT273PC	DIP-20	Octal D-Type Flip-Flop	1.04	.86	.65
◆512	74ACT273SC	SOIC(W)-20	Octal D-Type Flip-Flop	.72	.60	.45
512	74ACT299PC	DIP-20	8-Input Universal Shift/Rgstr	2.40	1.98	1.50
◆512	74ACT32MTC	TSSOP-14	Quad 2-Input OR Gate	.34	.28	.21
512	74ACT32PC	DIP-14	Quad 2-Input OR Gate	.30	.25	.19
◆512	74ACT32SCX	SOIC-14	Quad 2-Input OR Gate	.30	.25	.19
◆512	74ACT373MTC	TSSOP-20	Octal Transparent Latch	.50	.42	.32
◆512	74ACT373SJ	SOP-20	Octal Transparent Latch	.65	.53	.41
◆512	74ACT374SCX	SOIC-20	Octal D Flip-Flop	.50	.42	.32
◆512	74ACT520SC	SOIC(W)-20	8-Bit Identity Comparator	.55	.42	.32
512	74ACT521PC	DIP-20	8-Bit Identity Comparator	.91	.76	.54
◆512	74ACT534SC	SOIC(W)-20	Octal D Flip-Flop	.67	.55	.42
512	74ACT541PC	DIP-20	Octal Buffer/Line Driver	1.49	1.23	.93
◆512	74ACT541SC	SOIC(W)-20	Octal Buffer/Line Driver	.56	.42	.32
512	74ACT573PC	DIP-20	Octal Latch	.63	.48	.36
◆512	74ACT573SC	SOIC(W)-20	Octal Latch	.67	.55	.42
512	74ACT574PC	DIP-20	Octal D-Type Flip-Flop	.77	.63	.48
◆512	74ACT574SCX	SOIC(W)-20	Octal D-Type Flip-Flop	.67	.55	.42
◆512	74ACT715SC	SOIC-20	Prog Vid Sync Gen	18.00	14.85	11.25
512	74ACT74PC	DIP-14	Quad D-Type Flip-Flop	.55	.44	.33
◆512	74ACT74SCX	SOIC-14	Quad D-Type Flip-Flop	.36	.30	.23
74ACTQ Series						
◆512	74ACTQ00SCX	SOIC-14	Qd 2-Input NAND Gate	1.34	1.11	.84
◆512	74ACTQ04SC	SOIC-14	Quiet Series Hex Inverter	1.34	1.11	.84
◆512	74ACTQ08SC	SOIC-14	Quad 2-Input AND Gate	1.01	.84	.74
◆512	74ACTQ14MTC	TSSOP-14	Hex Inverter Trigger Input	1.34	1.11	.84
◆512	74ACTQ16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	7.51	6.26	4.47
◆512	74ACTQ16244SSCX	SSOP-48	16-Bit Buf/Line Drv	3.38	2.70	2.10
◆512	74ACTQ16245MTD	TSSOP-48	16-Bit Transceiver	7.51	6.26	4.47
◆512	74ACTQ16245SSCX	SSOP-48	16-Bit Transceiver	3.38	2.70	2.10
◆512	74ACTQ16373SSCX	SSOP-48	16-Bit Transparent Latch	3.38	2.70	2.10
◆512	74ACTQ16374SSC	SSOP-48	16-Bit D-Type Flip-Flop	3.38	2.70	2.10
◆512	74ACTQ16541SSCX	SSOP-48	16-Bit Buf/Line Drv	3.38	2.70	2.10
◆512	74ACTQ244QSC	QSOP-20	Octal Buffer/Line Driver	3.02	2.49	1.89
◆512	74ACTQ573SCX	SOIC(W)-20	Octal Latch	1.58	1.26	.95
◆512	74F00SC	SOIC-14	Quad 2-Input NAND Gate	.41	.34	.26
512	74F02PC	DIP-14	Quad 2-Input NOR Gate	.48	.39	.30
◆512	74F08SC	SOIC-14	Quad 2-Input AND Gate	.41	.34	.26
◆512	74F125SCX	SOIC-14	Quad Buffer	.60	.50	.38
◆512	74F151ASC	SOIC-16	8-Input Multiplexer	.62	.51	.39
◆512	74F157ASC	SOIC-16	Quad 2-Input Multiplexer	.52	.39	.29
◆512	74F32SCX	SOIC-14	Quad 2-Input OR Gate	.41	.34	.26
◆512	74F374MSA	SOP-20	Octal D-Type Flip-Flop	1.20	.99	.75
◆512	74F377SC	SOIC-20	Octal D-Type Flip-Flop	.82	.67	.51
◆512	74F38SCX	SOIC-14	Quad 2-Input NAND Buffer	.46	.38	.29
74LCX Series						
◆512	74LCX00BQX	DQFN-14	Quad 2-Input NAND Gate	.75	.62	.47
◆512	74LCX00M	SOIC-14	Quad 2-Input NAND Gate	.25	.21	.16
◆512	74LCX00MTC	TSSOP-14	Quad 2-Input NAND Gate	.31	.26	.20
◆512	74LCX00MTCX	TSSOP-14	Qd 2-Input NAND Gate	.31	.26	.20
◆512	74LCX00MX	SOIC-14	Qd 2-Input NAND Gate	.25	.21	.16
◆512	74LCX02M	SOIC-14	Quad 2-Input NOR Gate	.55	.46	.35
◆512	74LCX02MTCX	DIP-20	Qd 2-Input NOR Gate	.55	.46	.35
◆512	74LCX04BQX	DQFN-14	Hex Inverter	.75	.62	.47
◆512	74LCX04M	SOIC-14	Hex Inverter	.25	.21	.16
◆512	74LCX04MTC	TSSOP-14	Hex Inverter	.31	.26	.20
◆512	74LCX04MTCX	SOIC-20	Hex Inverter	.31	.26	.20
◆512	74LCX04MX	SOIC-20	Hex Inverter	.25	.21	.16
◆512	74LCX06M	SOIC-14	Hex Inverter/Buffer	.25	.21	.16
◆512	74LCX06MTC	TSSOP-14	Hex Inverter/Buffer	.31	.26	.20
◆512	74LCX07M	SOIC-14	Hex Buffer	.25	.21	.16
◆512	74LCX07MTC	TSSOP-14	Hex Buffer	.31	.26	.20
◆512	74LCX07SJ	SOP-14	Hex Buffer	.25	.21	.16
◆512	74LCX08BQX	DQFN-14	Quad 2-Input AND Gate	.75	.62	.47
◆512	74LCX08M	SOIC-14	Quad 2-Input AND Gate	.25	.21	.16
◆512	74LCX08MTC	TSSOP-14	Quad 2-Input AND Gate	.31	.26	.20
◆512	74LCX08MTCX	DIP-14	Qd 2-Input AND Gate	.31	.26	.20
◆512	74LCX08SJ	SOP-14	Quad 2-Input AND Gate	.31	.26	.20
◆512	74LCX10M	SOIC-14	Triple 3-Input NAND Gate	.31	.26	.20
◆512	74LCX112M	SOIC-16	Dual J-K Neg.Flip-Flop	.34	.28	.21
◆512	74LCX11M	SOIC-14	Triple 3-Input AND Gate	.48	.40	.30
◆512	74LCX11MTC	TSSOP-14	Triple 3-Input AND Gate	.48	.40	.30
◆512	74LCX125BQX	DQFN-14	Quad Buffer	.64	.53	.40
◆512	74LCX125M	SOIC-14	Quad Buffer	.30	.25	.19
◆512	74LCX125MTC	TSSOP-14	Quad Buffer	.31	.26	.20
◆512	74LCX125MTCX	SOIC-14	Low Voltage Quad	.31	.26	.20
◆512	74LCX125MX	SOIC-14	Low Voltage Quad	.30	.25	.19

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
◆512	74LCX126M	SOIC-14	Quad Buffer	.30	.25	.19
◆512	74LCX126MTC	TSSOP-14	Quad Buffer	.31	.26	.20
◆512	74LCX138M	SOIC-16	1-of-8 Decoder/Demultiplexer	.36	.30	.23
◆512	74LCX138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	.36	.30	.23
◆512	74LCX14BQX	DQFN-14	Hex Inverter	.60	.50	.38
◆512	74LCX14M	SOIC-14	Hex Inverter	.27	.23	.17
◆512	74LCX14MTCX	SOIC-14	Hex Inverter	.29	.24	.18
◆512	74LCX14SJ	SOP-14	Hex Inverter	.27	.23	.17
◆512	74LCX157M	SOIC-16	Quad 2-Input Multiplexer	.36	.30	.23
◆512	74LCX157MTCX	SOIC-14	Qd 2-Input Multiplex	.36	.30	.23
◆512	74LCX162244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.68	1.39	1.05
◆512	74LCX162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.08	.89	.68
◆512	74LCX162373MEA	SSOP-48	16-Bit Transparent Latch	1.68	1.39	1.05
◆512	74LCX16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	.90	.68	.51
◆512	74LCX16244MTDX	SOIC-14	16-Bit Buf/Line Drv	.90	.68	.51
◆512	74LCX16245MEAX	TSSOP-14	16-Bit Bidir Trans	1.73	1.43	1.08
◆512	74LCX16245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	.90	.68	.51
◆512	74LCX16245MTDX	SSOP-48	16-Bit Bidir Trans	.90	.68	.51
◆512	74LCX16373MTD	TSSOP-48	16-Bit Transparent Latch	.81	.68	.51
◆512	74LCX16373MTDX	TSSOP-48	16-Bit Trans Latch	.90	.68	.51
◆512	74LCX16374MEA	SSOP-48	16-Bit D-Type Flip-Flop	1.73	1.43	1.08
◆512	74LCX16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	.90	.68	.51
◆512	74LCX16374MTDX	SSOP-48	16-Bit D Flip-Flop	.90	.68	.51
◆512	74LCX16543MTD	TSSOP-56	16-Bit Registered Transceiver	2.59	2.14	1.62
◆512	74LCX16646MEA	SSOP-56	16-Bit Transceiver/Register	2.88	2.38	1.80
◆512	74LCX244MSAX	TSSOP-48	Buffer/Line Driver	.75	.63	.50
◆512	74LCX00BQX	DQFN-14	Quad 2-Input NAND Gate	.75	.62	.47
◆512	74LCX00M	SOIC-14	Quad 2-Input NAND Gate	.25	.21	.16
◆512	74LCX00MTC	TSSOP-14	Quad 2-Input NAND Gate	.31	.26	.20
◆512	74LCX02M	SOIC-14	Quad 2-Input NOR Gate	.55	.46	.35
◆512	74LCX04BQX	DQFN-14	Hex Inverter	.75	.62	.47
◆512	74LCX04M	SOIC-14	Hex Inverter	.25	.21	.16
◆512	74LCX04MTC	TSSOP-14	Hex Inverter	.31	.26	.20
◆512	74LCX04SJ	SOP-14	Hex Inverter	.25	.21	.16
◆512	74LCX06M	SOIC-14	Hex Inverter/Buffer	.25	.21	.16
◆512	74LCX06MTC	TSSOP-14	Hex Inverter/Buffer	.31	.26	.20
◆512	74LCX07M	SOIC-14	Hex Buffer	.25	.21	.16
◆512	74LCX07MTC	TSSOP-14	Hex Buffer	.31	.26	.20
◆512	74LCX07SJ	SOP-14	Hex Buffer	.25	.21	.16
◆512	74LCX08BQX	DQFN-14	Quad 2-Input AND Gate	.75	.62	.47
◆512	74LCX08M	SOIC-14	Quad 2-Input AND Gate	.25	.21	.16
◆512	74LCX08MTC	TSSOP-14	Quad 2-Input AND Gate	.31	.26	.20
◆512	74LCX08SJ	SOP-14	Quad 2-Input AND Gate	.31	.26	.20
◆512	74LCX10M	SOIC-14	Triple 3-Input NAND Gate	.31	.26	.20
◆512	74LCX112M	SOIC-16	Dual J-K Neg.Flip-Flop	.34	.28	.21
◆512	74LCX11M	SOIC-14	Triple 3-Input AND Gate	.48	.40	.30
◆512	74LCX11MTC	TSSOP-14	Triple 3-Input AND Gate	.48	.40	.30
◆512	74LCX11SJ	SOP-14	Triple 3-Input AND Gate	.48	.40	.30
◆512	74LCX125BQX	DQFN-14	Quad Buffer	.64	.53	.40
◆512	74LCX125M	SOIC-14	Quad Buffer	.30	.25	.19
◆512	74LCX125MTC	TSSOP-14	Quad Buffer	.31	.26	.20
◆512	74LCX125SJ	SOP-14	Quad Buffer	.30	.25	.19
◆512	74LCX126M	SOIC-14	Quad Buffer	.30	.25	.19
◆512	74LCX126MTC	TSSOP-14	Quad Buffer	.31	.26	.20
◆512	74LCX126SJ	SOP-14	Quad Buffer	.30	.25	.19
◆512	74LCX138BQX	DQFN-16	1-of-8 Decoder/Demultiplexer	.72	.59	.45
◆512	74LCX138M	SOIC-16	1-of-8 Decoder/Demultiplexer	.36	.30	.23
◆512	74LCX138MTC	TSSOP-16	1-of-8 Decoder/Demultiplexer	.36	.30	.23
◆512	74LCX138SJ	SOP-16	1-of-8 Decoder/Demultiplexer	.36	.30	.23
◆512	74LCX14BQX	DQFN-14	Hex Inverter	.60	.50	.38
◆512	74LCX14M	SOIC-14	Hex Inverter	.27	.23	.17
◆512	74LCX14MTC	TSSOP-14	Hex Inverter	.29	.24	.18
◆512	74LCX14SJ	SOP-14	Hex Inverter	.27	.23	.17
◆512	74LCX157M	SOIC-16	Quad 2-Input Multiplexer	.36	.30	.23
◆512	74LCX157MTC	TSSOP-16	Quad 2-Input Multiplexer	.36	.30	.23
◆512	74LCX157SJ	SOP-16	Quad 2-Input Multiplexer	.36	.30	.23
◆512	74LCX162244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.68	1.39	1.05
◆512	74LCX162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.08	.89	.68
◆512	74LCX162373MEA	SSOP-48	16-Bit Transparent Latch	1.68	1.39	1.05
◆512	74LCX162373MTD	TSSOP-48	16-Bit Transparent Latch	1.08	.89	.68
◆512	74LCX162374MEA	SSOP-48	16-Bit D-Type Flip-Flop	1.68	1.39	1.05
◆512	74LCX162374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.08	.89	.68
◆512	74LCX16240MEA	SSOP-48	16-Bit Inverting Buffer/Line Driver	1.68	1.39	1.05
◆512	74LCX16240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	1.08	.89	.68
◆512	74LCX16244GX	BGA-54	16-Bit Buffer/Line Driver	1.75	1.40	1.05
◆512	74LCX16244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.08	.90	.72
◆512	74LCX16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	.90	.68	.51
◆512	74LCX16245MEA	SSOP-48	16-Bit Bidirectional Transceiver	1.08	.90	.72
◆512	74LCX16245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	.90	.68	.51
◆512	74LCX16373MEA	SSOP-48	16-Bit Transparent Latch	1.05	.88	.70
◆512	74LCX16373MTD	TSSOP-48	16-Bit Transparent Latch	.81	.68	.51
◆512	74LCX16374MEA	SSOP-48	16-Bit D-Type Flip-Flop	1.73	1.43	1.08
◆512	74LCX16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	.90	.68	.51
◆512	74LCX16500MEA	SSOP-56	18-Bit Univ Bus Transceivers	3.36	2.77	2.10
◆512	74LCX16500MTD	TSSOP-56	18-Bit Univ Bus Transceivers	3.89	3.21	2.43
◆512	74LCX16501MEA	SSOP-56	18-Bit Univ Bus Transceivers	3.41	2.81	2.13
◆512	74LCX16501MTD	TSSOP-56	18-Bit Univ Bus Transceivers	3.89	3.21	2.43
◆512	74LCX16543MEA	SSOP-56	16-Bit Registered Transceiver	2.93	2.42	1.83
◆512	74LCX16543MTD	TSSOP-56	16-Bit Registered Transceiver	2.59	2.14	1.62
◆512	74LCX16646MEA	SSOP-56	16-Bit Transceiver/Register	2.88	2.38	1.80
◆512	74LCX16646MTD	TSSOP-56	16-Bit Transceiver/Register	2.59	2.14	1.62
◆512	74LCX16652MEA	SSOP-56	Transceiver/Register	2.88	2.38	1.80
◆512	74LCX16652MTD	TSSOP-56	Transceiver/Register	2.59	2.14	1.62
◆512	74LCX16821MEA	SSOP-56	20-Bit D-Type Flip-Flops	3.26	2.69	2.04
◆512	74LCX16821MTD	TSSOP-56	20-Bit D-Type Flip-Flops	2.98	2.46	1.86
◆512	74LCX16841MEA	SSOP-56	20-Bit Transparent Latch	3.26	2.69	2.04

FAIRCHILD Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
74LCX Series (Cont.)						
◆ 512	74LCX16841MTD	TSSOP-56	20-Bit Transparent Latch	2.98	2.46	1.86
◆ 512	74LCX2244MTC	TSSOP-20	Buffer/Line Driver	.43	.36	.27
◆ 512	74LCX2244WM	SOIC(W)-20	Buffer/Line Driver	.43	.36	.27
◆ 512	74LCX240MTC	TSSOP-20	Octal Buffer/Line Driver	.41	.34	.26
◆ 512	74LCX241MTC	TSSOP-20	Octal Buffer/Line Driver	.41	.34	.26
◆ 512	74LCX241WM	SOIC(W)-20	Octal Buffer/Line Driver	.48	.40	.30
◆ 512	74LCX244MSA	SSOP-20	Buffer/Line Driver	1.20	.99	.75
◆ 512	74LCX244MTC	TSSOP-20	Buffer/Line Driver	.41	.34	.26
◆ 512	74LCX244MTCX	TSSOP-20	Buffer/Line Driver	.41	.34	.26
◆ 512	74LCX244SJ	SOP-20	Buffer/Line Driver	.48	.40	.30
◆ 512	74LCX244WM	SOIC(W)-20	Buffer/Line Driver	.48	.40	.30
◆ 512	74LCX244WMX	SOIC-20	Buffer/Line Driver	.48	.40	.30
◆ 512	74LCX245BQX	DQFN-20	8-Bit Bi-Directional Transceiver	.86	.71	.54
◆ 512	74LCX245MTC	TSSOP-20	Bidirectional Transceiver	.43	.36	.27
◆ 512	74LCX245MTCX	TSSOP-20	Bidirectional Trans	.43	.36	.27
◆ 512	74LCX245SJ	SOP-20	Bidirectional Transceiver	.58	.48	.36
◆ 512	74LCX245WM	SOIC(W)-20	Bidirectional Transceiver	.53	.40	.30
◆ 512	74LCX245WMX	SOIC-20	Bidirectional Trans	.53	.44	.33
◆ 512	74LCX257MTCX	TSSOP-16	Qd 2-Inp Multiplexer	.36	.30	.23
◆ 512	74LCX257SJ	SOP-16	Quad 2-Input Multiplexer	.36	.30	.23
◆ 512	74LCX27M	SOIC-14	Triple 3-Input NOR Gate	.32	.27	.20
◆ 512	74LCX32M	SOIC-14	Quad 2-Input OR Gate	.25	.21	.16
◆ 512	74LCX32MTC	TSSOP-14	Quad 2-Input OR Gate	.31	.26	.20
◆ 512	74LCX32MTCX	TSSOP-14	Quad 2-Input OR Gate	.31	.26	.20
◆ 512	74LCX32MX	SOIC-14	Quad 2-Input OR Gate	.25	.21	.16
◆ 512	74LCX32SJ	SOP-14	Quad 2-Input OR Gate	.29	.24	.18
◆ 512	74LCX373MSA	SSOP-20	Octal Transparent Latch	1.20	.99	.75
◆ 512	74LCX373MTC	TSSOP-20	Octal Transparent Latch	.41	.34	.26
◆ 512	74LCX373MTCX	TSSOP-20	Octal Trans Latch	.41	.34	.26
◆ 512	74LCX374MTC	TSSOP-20	Octal D-Type Flip-Flop	.42	.34	.26
◆ 512	74LCX374MTCX	TSSOP-20	Oct D-Type Flip-Flop	.42	.34	.26
◆ 512	74LCX38M	SOIC-14	Quad 2-Input NAND Gate	.50	.42	.32
◆ 512	74LCX38MTC	TSSOP-14	Quad 2-Input NAND Gate	.55	.46	.35
◆ 512	74LCX540WM	SOIC-20	Octal Buffer/Line Driver	.67	.55	.42
◆ 512	74LCX541MTC	TSSOP-20	Octal Buffer/Line Driver	.56	.42	.32
◆ 512	74LCX541MTCX	TSSOP-20	Octal Buff/Line Drv	.52	.39	.29
◆ 512	74LCX543MSA	SSOP-24	Octal Registered Transceiver	1.44	1.19	.90
◆ 512	74LCX573MTCX	TSSOP-20	Octal Latch	.67	.55	.42
◆ 512	74LCX573SJ	SOP-20	Octal Latch	.67	.55	.42
◆ 512	74LCX574MTCX	TSSOP-20	Oct D-Type Flip-Flop	.56	.42	.32
◆ 512	74LCX574SJ	SOP-20	Octal D-Type Flip-Flop	.67	.55	.42
◆ 512	74LCX74BQX	DQFN-14	Dual D-Type Pos. Edge Triggered FF	.60	.50	.38
◆ 512	74LCX74M	SOIC-14	Dual D-Type Flip-Flop	.28	.23	.17
◆ 512	74LCX74MTC	TSSOP-14	Dual D-Type Flip-Flop	.36	.30	.23
◆ 512	74LCX74MTCX	TSSOP-14	Dl D-Type Flip-Flop	.36	.30	.23
◆ 512	74LCX74SJ	SOP-14	Dual D-Type Flip-Flop	.38	.31	.24
◆ 512	74LCX760MSA	SSOP-20	Buffer/Line Driver	1.20	.99	.75
◆ 512	74LCX760MTC	TSSOP-20	Buffer/Line Driver	.41	.34	.26
◆ 512	74LCX760WM	SOIC(W)-20	Buffer/Line Driver	.53	.44	.33
◆ 512	74LCX86MTC	TSSOP-14	Qd 2-Input Exclusive-OR Gate	.31	.26	.20
◆ 512	74LCX86SJ	SOP-14	Qd 2-Input Exclusive-OR Gate	.27	.23	.17
74LCXH Series						
◆ 512	74LCXH162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.08	.89	.68
74LCXR Series						
◆ 512	74LCXR162245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	1.08	.89	.68
◆ 512	74LCXR162245MEA	SSOP-48	16-Bit Bidir Trans	1.05	.88	.70
◆ 512	74LCXR162245MTX	TSSOP-48	16-Bit Bidir Trans	.90	.68	.51
◆ 512	74LCXR2245WM	SOIC(W)-20	Bidirectional Transceiver	.53	.44	.33
74LCXZ Series						
◆ 512	74LCXZ162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.08	.89	.68
◆ 512	74LCXZ16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.08	.89	.68
74LVQ Series						
◆ 512	74LVQ04SC	SOIC-14	Hex Inverter	1.06	.87	.66
74LVT Series						
◆ 512	74LVT162244GX	BGA-54	Buffer/Line Driver	3.60	2.97	2.25
◆ 512	74LVT162244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.20	.99	.75
◆ 512	74LVT162245MEA	SSOP-48	16-Bit Transceiver	1.63	1.35	1.02
◆ 512	74LVT162245MTD	TSSOP-48	16-Bit Transceiver	1.20	.99	.75
◆ 512	74LVT16244MEA	SSOP-48	16-Bit Buffer/Line Driver	1.54	1.27	.96
◆ 512	74LVT16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.20	.99	.75
◆ 512	74LVT16244MTDX	TSSOP-48	16-Bit Buf/Line Drv	.92	.69	.52
◆ 512	74LVT16245MTDX	TSSOP-48	16-Bit Transceiver	.92	.69	.52
◆ 512	74LVT16373MEA	SSOP-48	16-Bit Transparent Latch	1.54	1.27	.96
◆ 512	74LVT16373MTD	TSSOP-48	16-Bit Transparent Latch	1.20	.99	.75
◆ 512	74LVT2245MTC	TSSOP-20	Octal Bi-Directional Transceiver	.65	.53	.41
◆ 512	74LVT240WM	SOIC(W)-20	Octal Buffer/Line Driver	.62	.51	.39
◆ 512	74LVT244MSA	SSOP-20	Octal Buffer/Line Driver	.96	.79	.60
◆ 512	74LVT244MTCX	TSSOP-20	Octal Buf/Line Drv	.58	.46	.35
◆ 512	74LVT244SJ	SOP-20	Octal Buffer/Line Driver	.62	.51	.39
◆ 512	74LVT245MTC	TSSOP-20	Octal Bidir Trans	.52	.39	.29
◆ 512	74LVT245MTCX	TSSOP-20	Octal Bidir Trans	.52	.39	.29
◆ 512	74LVT573WM	SOIC(W)-20	Octal Transparent Latch	.72	.59	.45
74LVTH Series						
◆ 512	74LVTH125M	SOIC-14	Quad Buffer	.41	.34	.26
◆ 512	74LVTH125MTC	TSSOP-14	Quad Buffer	.41	.34	.26

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
◆ 512	74LVTH125MTCX	TSSOP-14	Quad Buffer	.41	.34	.26
◆ 512	74LVTH162244MTX	TSSOP-48	16-Bit Buf/Line Drv	.92	.69	.52
◆ 512	74LVTH162245MEX	SSOP-48	16-Bit Transceiver	1.63	1.35	1.02
◆ 512	74LVTH162245MTX	TSSOP-48	16-Bit Transceiver	.92	.69	.52
◆ 512	74LVTH162374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.20	.99	.75
◆ 512	74LVTH16245MEA	SSOP-48	16-Bit Transceiver	1.02	.85	.68
◆ 512	74LVTH16245MEAX	SSOP-48	16-Bit Transceiver	1.63	1.35	1.02
◆ 512	74LVTH16245MTDX	TSSOP-48	16-Bit Transceiver	1.20	.99	.75
◆ 512	74LVTH16373MEA	SSOP-48	16-Bit Transparent Latch	1.54	1.27	.96
◆ 512	74LVTH16373MTD	TSSOP-48	16-Bit Transparent Latch	1.20	.99	.75
◆ 512	74LVTH16373MTDX	TSSOP-48	16-Bit Trans Latch	.92	.69	.52
◆ 512	74LVTH16374MTD	TSSOP-48	16-Bit D Flip-Flop	1.20	.99	.75
◆ 512	74LVTH16543MTD	TSSOP-56	16-Bit Registered Transceiver	3.53	2.94	2.10
◆ 512	74LVTH16652MTD	TSSOP-56	16-Bit Transceiver/Register	3.53	2.94	2.10
◆ 512	74LVTH244MTCX	TSSOP-20	Octal Buf/Line Drv	.62	.51	.39
◆ 512	74LVTH244WM	SOIC(W)-20	Octal Buffer/Line Driver	.62	.51	.39
◆ 512	74LVTH245MTCX	TSSOP-20	Octal Bidir Trans	.62	.51	.39
◆ 512	74LVTH273MTCX	TSSOP-20	Oct D-Type Flip-Flop	.62	.51	.39
◆ 512	74LVTH273SJ	SOP-20	Octal D-Type Flip-Flop	.79	.65	.50
◆ 512	74LVTH273WM	SOIC(W)-20	Octal D-Type Flip-Flop	.77	.63	.48
512	74LVTH32245GX	BGA-96	Transceiver	3.38	2.70	2.10
74LVX Series						
◆ 512	74LVX00MTC	TSSOP-14	Quad 2-Input NAND Gate	.34	.28	.21
◆ 512	74LVX02M	SOIC-14	Quad 2-Input NOR Gate	.34	.28	.21
◆ 512	74LVX02MTC	TSSOP-14	Quad 2-Input NOR Gate	.34	.28	.21
◆ 512	74LVX04M	SOIC-14	Hex Inverter	.34	.28	.21
◆ 512	74LVX08M	SOIC-14	Quad 2-Input AND Gate	.34	.28	.21
◆ 512	74LVX08MTC	TSSOP-14	Quad 2-Input AND Gate	.34	.28	.21
◆ 512	74LVX125M	SOIC-14	Quad Buffer	.38	.32	.24
◆ 512	74LVX125MTC	TSSOP-14	Quad Buffer	.38	.32	.24
◆ 512	74LVX125MTCX	TSSOP-14	Quad Buffer	.38	.32	.24
◆ 512	74LVX132M	SOIC-14	Qd 2-Input NAND Schmitt Trigger	.38	.32	.24
◆ 512	74LVX132MTC	TSSOP-14	Qd 2-Input NAND Schmitt Trigger	.38	.32	.24
◆ 512	74LVX138M	SOIC-16	1-of-8 Decoder/Demultiplexer	.62	.51	.39
◆ 512	74LVX14M	SOIC-14	Hex Inverter	.36	.30	.23
◆ 512	74LVX14MTC	TSSOP-14	Hex Inverter	.36	.30	.23
◆ 512	74LVX157MTC	TSSOP-16	Quad 2-Input Multiplexer	.62	.51	.39
◆ 512	74LVX161284MEA	SSOP-48	IEEE 161284 Translating Tran	1.35	1.12	.90
◆ 512	74LVX244M	SOIC-20	Octal Buffer/Line Driver	.53	.44	.33
◆ 512	74LVX244MTC	TSSOP-20	Octal Buffer/Line Driver	.53	.44	.33
◆ 512	74LVX244SJ	SOP-20	Octal Buffer/Line Driver	.53	.44	.33
◆ 512	74LVX245MTC	TSSOP-20	Octal Bidirectional Transceiver	.53	.44	.33
◆ 512	74LVX245SJ	SOP-20	Octal Bidirectional Transceiver	.53	.44	.33
◆ 512	74LVX273M	SOIC(W)-20	Octal D-Type Flip-Flop	.53	.44	.33
◆ 512	74LVX273MTCX	TSSOP-20	Oct D-Type Flip-Flop	.53	.44	.33
◆ 512	74LVX3245MTCX	TSSOP-24	8-Bit Dl Supp Trans	1.14	.95	.76
◆ 512	74LVX3245QSC	QSOP-24	8-Bit Dual Translating Transceiver	1.82	1.50	1.14
◆ 512	74LVX32MTC	TSSOP-14	Quad 2-Input OR Gate	.34	.28	.21
◆ 512	74LVX373M	SOIC(W)-20	Octal Transparent Latch	.53	.44	.33
◆ 512	74LVX374M	SOIC(W)-20	Octal D-Type Flip-Flop	.53	.44	.33
◆ 512	74LVX4245MTCX	TSSOP-24	8-Bit Dl Supp Trans	1.14	.95	.76
◆ 512	74LVX4245QSC	QSOP-24	8-Bit Dl Translating Transceiver	1.82	1.50	1.14
◆ 512	74LVX4245WM	SOIC(W)-24	8-Bit Dl Translating Transceiver	1.14	.95	.76
◆ 512	74LVX4245WMX	SOIC(W)-24	8-Bit Dl Supp Trans	1.14	.95	.76
◆ 512	74LVX541M	SOIC(W)-20	Octal Buffer/Line Driver	.58	.48	.36
◆ 512	74LVX541SJ	SOP-20	Octal Buffer/Line Driver	.58	.48	.36
◆ 512	74LVX573M	SOIC(W)-20	Octal Latch	.58	.48	.36
◆ 512	74LVX573MTC	TSSOP-20	Octal Latch	.58	.48	.36
◆ 512	74LVX574MTC	TSSOP-20	Octal D-Type Flip-Flop	.58	.48	.36
◆ 512	74LVX74M	SOIC-14	Dual D-Type Flip-Flop	.36	.30	.23
◆ 512	74LVX74MTC	TSSOP-14	Dual D-Type Flip-Flop	.36	.30	.23
74LVXC Series						
◆ 512	74LVXC3245MTCX	TSSOP-24	8-Bit Dual Sup Trans	.84	.70	.56
◆ 512	74LVXC3245WM	SOIC(W)-24	8-Bit Dual Sup Trans	1.34	1.11	.84
◆ 512	74LVXC3245QSC	QSOP-24	8-Bit Dual Interface Transceiver	.84	.70	.56
◆ 512	74LVXC4245QSC	QSOP-24	8-Bit Dual Interface Transceiver	1.34	1.11	.84
74VCX Series						
◆ 512	74VCX08BQX	DQFN-14	Quad 2-Input AND Gate	.58	.48	.36
◆ 512	74VCX08M	SOIC-14	Quad 2-Input AND Gate	.43	.36	.27
◆ 512	74VCX08MTC	TSSOP-14	Quad 2-Input AND Gate	.43	.36	.27
◆ 512	74VCX132BQX	DQFN-14	Quad 2-Input NAND Gate	.72	.59	.45
◆ 512	74VCX162240MTD	TSSOP-48	16-Bit Inverting Buffer/Line Driver	1.92	1.58	1.20
◆ 512	74VCX162244MTDX	TSSOP-48	16-Bit Buf/Line Drv	1.20	1.00	.80
◆ 512	74VCX162245MTD	TSSOP-48	16-Bit Bidirectional Transceiver	1.92	1.58	1.20
◆ 512	74VCX162374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.92	1.58	1.20
◆ 512	74VCX16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.17	.98	.78
◆ 512	74VCX16244MTDX	TSSOP-48	16-Bit Buf/Line Drv	1.17	.98	.78
◆ 512	74VCX162601MTD	TSSOP-56	18-Bit Universal Bus Transceiver	4.28	3.57	2.55
◆ 512	74VCX163245MTD	TSSOP-48	16-Bit Dual Supply Transceiver	4.84	4.03	2.88
◆ 512	74VCX163245MTDX	TSSOP-48	18-Bit Dl Sup Trans	4.61	3.80	2.88
◆ 512	74VCX16373MTD	TSSOP-48	16-Bit Transparent Latch	1.87	1.54	1.17
◆ 512	74VCX16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.87	1.54	1.17
◆ 512	74VCX164245MTD	TSSOP-48	16-Bit Dual Supply Transceiver	2.98	2.46	1.86
◆ 512	74VCX16722MTDX	TSSOP-48	22-Bit Register	7.20	5.94	4.50
◆ 512	74VCX16827MTD	TSSOP-56	20-Bit Buffer/Line Driver	2.88	2.38	1.80
◆ 512	74VCX16841MTD	TSSOP-56	20-Bit Trans Latch	2.88	2.38	1.80

FAIRCHILD Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
74VCX Series (cont.)						
◆512—	74VCX245BQX	DQFN-20	8-Bit Bi-Directional Transceiver	.86	.71	.54
◆512—	74VCX245WM	SOIC(W)-20	Bidirectional Transceiver	.84	.69	.53
◆512—	74VCX32244GX	BGA-96	Buffer/Line Driver	7.68	6.34	4.80
◆512—	74VCX32BQX	DQFN-14	Quad 2-Input NAND Gate	.58	.48	.36
◆512—	74VCX86BQX	DQFN-14	Quad 2-Input	.72	.59	.45
◆512—	74VCX86M	SOIC-14	Qd 2-Input Exclusive-OR Gate	.53	.44	.33
74VCXH Series						
◆512—	74VCXH16244MTD	TSSOP-48	16-Bit Buffer/Line Driver	1.87	1.54	1.17
◆512—	74VCXH16374MTD	TSSOP-48	16-Bit D-Type Flip-Flop	1.87	1.54	1.17
74VHC Series						
◆512—	74VHC00M	SOIC-14	Quad 2-Input NAND Gate	.25	.21	.16
◆512—	74VHC00MTC	TSSOP-14	Quad 2-Input NAND Gate	.30	.25	.19
◆512—	74VHC00MTCX	TSSOP-14	Qd 2-Input NAND Gate	.30	.25	.19
512—	74VHC00N	DIP-14	Quad 2-Input NAND Gate	.43	.36	.27
◆512—	74VHC02M	SOIC-14	Quad 2-Input NOR Gate	.25	.21	.16
◆512—	74VHC02MTC	TSSOP-14	Quad 2-Input NOR Gate	.30	.25	.19
◆512—	74VHC04M	SOIC-14	Hex Inverter	.25	.21	.16
◆512—	74VHC04MTCX	TSSOP-14	Hex Inverter	.30	.25	.19
512—	74VHC04N	DIP-14	Hex Inverter	.43	.36	.27
◆512—	74VHC08M	SOIC-14	Quad 2-Input AND Gate	.25	.21	.16
◆512—	74VHC08MTC	TSSOP-14	Quad 2-Input AND Gate	.30	.25	.19
◆512—	74VHC08MTCX	TSSOP-14	Qd 2-Input AND Gate	.30	.25	.19
◆512—	74VHC08SJ	SOP-14	Quad 2-Input AND Gate	.32	.27	.20
◆512—	74VHC112MTC	TSSOP-16	Dual J-K Flip-Flops	.48	.39	.30
◆512—	74VHC112SJ	SOP-16	Dual J-K Flip-Flops	.48	.39	.30
◆512—	74VHC123AM	SOIC-16	Dual Retriggerable Multivibrator	.36	.30	.23
◆512—	74VHC123AMTC	TSSOP-16	Dual Retriggerable Multivibrator	.36	.30	.23
◆512—	74VHC123AMTCX	TSSOP-16	Dual Multivibrator	.36	.30	.22
◆512—	74VHC125M	SOIC-14	Quad Buffer	.36	.30	.23
◆512—	74VHC125MTC	TSSOP-14	Quad Buffer	.36	.30	.23
◆512—	74VHC125MTCX	TSSOP-14	Quad Buffer	.36	.30	.22
◆512—	74VHC125SJ	SOP-14	Quad Buffer	.36	.30	.23
◆512—	74VHC132M	SOIC-14	Qd 2-Input NAND Sch Trigger	.36	.30	.23
◆512—	74VHC132MTC	TSSOP-14	Qd 2-Input NAND Sch Trigger	.36	.30	.23
◆512—	74VHC132MTCX	TSSOP-14	Qd 2-In NAND Sc Trig	.36	.30	.23
◆512—	74VHC132SJ	SOP-14	Qd 2-Input NAND Sch Trigger	.36	.30	.23
◆512—	74VHC138M	SOIC-16	3-to-8 Decoder/Demultiplexer	.62	.52	.37
◆512—	74VHC138MTC	TSSOP-16	3-to-8 Decoder/Demultiplexer	.48	.36	.27
512—	74VHC138N	DIP-16	3-to-8 Decoder/Demultiplexer	.74	.61	.47
◆512—	74VHC14M	SOIC-14	Hex Schmitt Inverter	.28	.23	.17
◆512—	74VHC14MTC	TSSOP-14	Hex Schmitt Inverter	.28	.23	.17
◆512—	74VHC14MTCX	TSSOP-14	Hex Schmitt Inverter	.28	.23	.17
512—	74VHC14N	DIP-14	Hex Schmitt Inverter	.46	.38	.29
◆512—	74VHC153M	SOIC-16	Dual 4-Input Multiplexer	.60	.50	.38
◆512—	74VHC153MTC	TSSOP-16	Dual 4-Input Multiplexer	.60	.50	.38
◆512—	74VHC161284MEA	SSOP-48	IEEE 161284 Transceiver	1.94	1.62	1.17
◆512—	74VHC161284MTD	TSSOP-48	IEEE 161284 Transceiver	1.81	1.51	1.09
◆512—	74VHC161M	SOIC-16	4-Bit Binary Counter	.72	.59	.45
◆512—	74VHC161MTC	TSSOP-16	4-Bit Binary Counter	.72	.59	.45
◆512—	74VHC164M	SOIC-14	8-Bit Shift Register	.72	.59	.45
◆512—	74VHC164MTC	TSSOP-14	8-Bit Shift Register	.72	.59	.45
512—	74VHC164N	DIP-14	8-Bit Shift Register	.91	.75	.57
◆512—	74VHC175M	SOIC-16	Quad D-Type Flip-Flop	.72	.59	.45
◆512—	74VHC175MTC	TSSOP-16	Quad D-Type Flip-Flop	.72	.59	.45
◆512—	74VHC221AM	SOIC-16	Dual Monostable Multivibrator	.82	.67	.51
◆512—	74VHC244M	SOIC(W)-20	Octal Buffer/Line Driver	.41	.31	.23
◆512—	74VHC244MTC	TSSOP-20	Octal Buffer/Line Driver	.41	.34	.26
◆512—	74VHC244MTCX	TSSOP-20	Oct Buffer/Line Drv	.41	.34	.26
512—	74VHC244N	DIP-20	Octal Buffer/Line Driver	.65	.53	.41
◆512—	74VHC244SJ	SOP-20	Octal Buffer/Line Driver	.41	.34	.26
◆512—	74VHC245MTCX	TSSOP-20	Octal Bidir Trans	.41	.34	.26
◆512—	74VHC245SJ	SOP-20	Octal Bidirectional Transceiver	.41	.34	.26
◆512—	74VHC273M	SOIC(W)-20	Octal D-Type Flip-Flop	.41	.34	.26
◆512—	74VHC273MTCX	TSSOP-20	Oct D-Tp Flip-Flop	.41	.34	.26
◆512—	74VHC27M	SOIC-14	Triple 3-Input NOR Gate	.48	.40	.30
◆512—	74VHC27MTC	TSSOP-14	Triple 3-Input NOR Gate	.48	.40	.30
◆512—	74VHC32MTC	TSSOP-14	Quad 2-Input OR Gate	.30	.25	.19
◆512—	74VHC32MTCX	TSSOP-14	Quad 2-Input OR Gate	.30	.25	.19
◆512—	74VHC32SJ	SOP-14	Quad 2-Input OR Gate	.32	.27	.20
◆512—	74VHC374MTC	TSSOP-20	Octal D-Type Flip-Flop	.41	.34	.26
◆512—	74VHC393M	SOIC-14	Dual 4-Bit Binary Counter	.75	.57	.43
◆512—	74VHC4040M	SOIC-16	12-Stage Binary Counter	.72	.54	.41
◆512—	74VHC4046M	SOIC-16	CMOS Phase Lock Loop	.74	.61	.47
512—	74VHC4046N	DIP-16	CMOS Phase Lock Loop	.89	.73	.56
◆512—	74VHC4051M	SOIC-16	8-Channel Analog Multiplexer	.74	.61	.47
◆512—	74VHC4051MTC	TSSOP-16	8-Channel Analog Multiplexer	.74	.61	.47
512—	74VHC4051N	DIP-16	8-Channel Analog Multiplexer	.86	.71	.54
◆512—	74VHC4051WM	SOIC(W)-16	8-Channel Analog Multiplexer	1.04	.86	.65
◆512—	74VHC4052MTC	TSSOP-16	Dl 4-Ch Analog Multiplexer	.74	.61	.47
◆512—	74VHC4053M	SOIC-16	Trp 2-Ch Analog Multiplexer	.74	.61	.47
◆512—	74VHC4066MTC	TSSOP-14	Quad Analog Switch	.74	.61	.47
◆512—	74VHC4316M	SOIC-16	Quad Analog Switch	.52	.39	.29
◆512—	74VHC541M	SOIC(W)-20	Octal Buffer/Line Driver	.48	.40	.30
◆512—	74VHC541MTC	TSSOP-20	Octal Buffer/Line Driver	.48	.40	.30
512—	74VHC541N	DIP-20	Octal Buffer/Line Driver	.62	.51	.39
◆512—	74VHC541SJ	SOP-20	Octal Buffer/Line Driver	.48	.40	.30
◆512—	74VHC573M	SOIC(W)-20	Octal D-Type Latch	.48	.36	.28

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
◆512—	74VHC573MTC	TSSOP-20	Octal D-Type Latch	.48	.40	.30
◆512—	74VHC574MTC	TSSOP-20	Octal D-Type Flip-Flop	.48	.40	.30
◆512—	74VHC574MTCX	TSSOP-20	Oct D-Type Flip-Flop	.40	.30	.23
◆512—	74VHC595M	SOIC-16	8-Bit Shift Register	.43	.36	.27
◆512—	74VHC595MTCX	TSSOP-16	8-Bit Shift Register	.43	.36	.27
◆512—	74VHC74M	SOIC-14	Dual D-Type Flip-Flop	.33	.27	.21
◆512—	74VHC74MTCX	TSSOP-14	Dl D-Type Flip-Flop	.33	.27	.20
512—	74VHC74N	DIP-14	Dual D-Type Flip-Flop	.46	.38	.29
◆512—	74VHC86M	SOIC-14	Qd 2-Input Exclusive-OR Gate	.27	.23	.17
◆512—	74VHC86MTC	TSSOP-14	Qd 2-Input Exclusive-OR Gate	.29	.24	.18
512—	74VHC86N	DIP-14	Qd 2-Input Exclusive-OR Gate	.46	.38	.29
74VHCT Series						
◆512—	74VHCT00AMTC	TSSOP-14	Quad 2-Input NAND Gate	.30	.25	.19
◆512—	74VHCT00ASJ	SOP-14	Quad 2-Input NAND Gate	.32	.27	.20
◆512—	74VHCT04AM	SOIC-14	Hex Inverter	.25	.21	.16
◆512—	74VHCT04AMTC	TSSOP-14	Hex Inverter	.30	.25	.19
◆512—	74VHCT08AM	SOIC-14	Quad 2-Input AND Gate	.25	.21	.16
◆512—	74VHCT08AMTC	TSSOP-14	Quad 2-Input AND Gate	.30	.25	.19
◆512—	74VHCT08AMTCX	TSSOP-14	Quad 2-Input AND Gate	.30	.25	.19
◆512—	74VHCT14AM	SOIC-14	Hex Schmitt Inverter	.33	.27	.21
◆512—	74VHCT14AMTC	TSSOP-14	Hex Schmitt Inverter	.33	.27	.21
◆512—	74VHCT14AMTCX	TSSOP-14	Hex Schmitt Inverter	.33	.27	.21
◆512—	74VHCT14ASJ	SOP-14	Hex Schmitt Inverter	.28	.23	.18
◆512—	74VHCT244AM	SOIC(W)-20	Octal Buffer/Line Driver	.41	.34	.26
◆512—	74VHCT244AMTC	TSSOP-20	Octal Buffer/Line Driver	.41	.34	.26
◆512—	74VHCT244ASJ	SOP-20	Octal Buffer/Line Driver	.41	.34	.26
◆512—	74VHCT245AM	SOIC(W)-20	Octal Buffer/Line Driver	.41	.34	.26
◆512—	74VHCT245AMTC	TSSOP-20	Octal Buffer/Line Driver	.41	.34	.26
◆512—	74VHCT374AM	SOIC(W)-20	Octal D-Type Flip-Flop	.41	.34	.26
◆512—	74VHCT541AM	SOIC(W)-20	Octal Buffer/Line Driver	1.15	.95	.72
◆512—	74VHCT541AMTC	TSSOP-20	Octal Buffer/Line Driver	1.15	.95	.72
512—	74VHCT541AN	DIP-20	Octal Buffer/Line Driver	1.12	.92	.70
◆512—	74VHCT573AM	SOIC(W)-20	Octal D-Type Latch	.48	.40	.30
◆512—	74VHCT573AMTC	TSSOP-20	Octal D-Type Latch	.48	.40	.30
◆512—	74VHCT574AM	SOIC(W)-20	Octal D-Type Flip Flop	.48	.40	.30
◆512—	74VHCT74AM	SOIC-14	Dual D-Type Flip-Flop	.27	.23	.17
◆512—	74VHCT74AMTC	TSSOP-14	Dual D-Type Flip-Flop	.31	.26	.20
74VHCU Series						
◆512—	74VHCU04M	SOIC-14	Hex Inverter	.25	.21	.16
◆512—	74VHCU04MTC	TSSOP-14	Hex Inverter	.30	.25	.19
FXL Series						
◆512—	FXL4245MPX	MLP-24	Dual Supply 8-Bit Signal Translator	1.38	1.15	1.01
◆512—	FXL4T245BQX	DQFN-14	Dual Supply 4-Bit Signal Translator	1.23	1.02	.82
◆512—	FXL5T244BQX	DQFN-14	Dual Supply 5-Bit Signal Translator	1.23	1.02	.82
◆512—	FXLH42245MPX	MLP-24	Dual Supply 8-Bit Translator	1.38	1.15	1.01
◆512—	FXLP34L6X	MicroPak-6	Single Bit Uni-Directional Translator	.63	.53	.46
◆512—	FXLP34P5X	SC70-5	Single Bit Uni-Directional Translator	.63	.53	.46
74C Series						
512—	MM74C00N	DIP-14	Quad 2-Input NAND Gate	1.35	1.08	.81
512—	MM74C04N	DIP-14	Hex Inverter	1.35	1.08	.81
◆512—	MM74C14M	SOIC-14	Hex Schmitt Trigger	.75	.63	.50
512—	MM74C14N	DIP-14	Hex Schmitt Trigger	.75	.63	.50
512—	MM74C221N	DIP-16	Dual Monostable Multivibrator	4.34	3.47	2.70
512—	MM74C240N	DIP-20	Inv Octal Buffer/ Line Driver	3.98	3.18	2.47
◆512—	MM74C240WM	SOIC-20	Inv Octal Buffer/ Line Driver	7.43	6.37	5.31
512—	MM74C373N	DIP-20	Octal 3-STATE D-Type Latch	3.89	3.11	2.42
◆512—	MM74C74M	SOIC-14	Dl D-Type Flip-Flop	1.90	1.52	1.14
512—	MM74C74N	DIP-14	Dual D-Type Flip-Flop	1.90	1.52	1.14
512—	MM74C905N	DIP-24	12-Bit Succ Approx Register	12.50	11.50	11.00
◆512—	MM74C906MX	SOIC-14	Hex N-Chan Buffer	2.15	1.72	1.29
512—	MM74C906N	DIP-14	Hex N-Channel Buffer	2.15	1.72	1.29
◆512—	MM74C914M	SOIC-14	Hex Schmitt Trigger	3.15	2.52	1.96
512—	MM74C914N	DIP-14	Hex Schmitt Trigger	3.15	2.52	1.96
512—	MM74C922N	DIP-18	16-Key Encoder	7.44	7.07	6.70
◆512—	MM74C922WM	SOIC-20	16-Key Encoder	11.08	9.24	8.13
512—	MM74C923N	DIP-20	20-Key Encoder	7.44	7.07	6.70
◆512—	MM74C923WM	SOIC-20	20-Key Encoder	7.44	7.07	6.51
512—	MM74C926N	DIP-18	4-Digit Counter	12.72	12.08	11.13
74HC Series						
◆512—	MM74HC00M	SOIC-14	Quad 2-Input NAND Gate	.22	.19	.16
◆512—	MM74HC00MTC	TSSOP-14	Quad 2-Input NAND Gate	.26	.22	.19
◆512—	MM74HC00MX	SOIC-14	Qd 2-Input NAND Gate	.22	.19	.16
512—	MM74HC00N	DIP-14	Quad 2-Input NAND Gate	.38	.32	.27
◆512—	MM74HC00SJ	SOP-14	Quad 2-Input NAND Gate	.30	.26	.21
◆512—	MM74HC02M	SOIC-14	Quad 2-Input NOR Gate	.22	.19	.16
◆512—	MM74HC02MTC	TSSOP-14	Quad 2-Input NOR Gate	.26	.22	.19
◆512—	MM74HC02MX	SOIC-14	Qd 2-Input NAND Gate	.22	.19	.16
512—	MM74HC02N	DIP-14	Quad 2-Input NOR Gate	.38	.32	.27
◆512—	MM74HC04M	SOIC-14	Hex Inverter	.22	.19	.16
◆512—	MM74HC04MTC	TSSOP-14	Hex Inverter	.26	.22	.19
◆512—	MM74HC04MX	SOIC-14	Hex Inverter	.22	.19	.16
512—	MM74HC04N	DIP-14	Hex Inverter	.38	.32	.27
◆512—	MM74HC04SJ	SOP-14	Hex Inverter	.30	.26	.21
◆512—	MM74HC08M	SOIC-14	Quad 2-Input AND Gate	.22	.19	.16
◆512—	MM74HC08MTC	TSSOP-14	Quad 2-Input AND Gate	.26	.22	.19
◆512—	MM74HC08MX	SOIC-14	Qd 2-Input AND Gate	.22	.19	.16
512—	MM74HC08N	DIP-14	Quad 2-Input AND Gate	.38	.32	.27
◆512—	MM74HC08SJ	SOP-14	Quad 2-Input AND Gate	.30	.26	.22

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
74HC Series (cont.)						
◆512—	MM74HC123AMTC	TSSOP-16	Dual Multivibrator	.57	.49	.41
◆512—	MM74HC123AMX	SOIC-16	DualMultivibrator	.50	.43	.36
◆512—	MM74HC123ASJ	SOP-16	Dual Multivibrator	.63	.54	.45
◆512—	MM74HC125MTC	TSSOP-14	3-STATE Quad Buffers	.26	.22	.19
◆512—	MM74HC125MX	SOIC-14	3-STATE Quad Buffers	.26	.22	.19
512—	MM74HC125N	DIP-14	3-STATE Quad Buffers	.42	.36	.30
◆512—	MM74HC125SJ	SOP-14	3-STATE Quad Buffers	.37	.31	.26
◆512—	MM74HC126MTC	TSSOP-14	3-STATE Quad Buffers	.26	.22	.19
512—	MM74HC126N	DIP-14	3-STATE Quad Buffers	.42	.36	.30
◆512—	MM74HC126SJ	SOP-14	3-STATE Quad Buffers	.37	.31	.26
◆512—	MM74HC132MTCX	TSSOP-14	Qd 2-Inp NAND Sc Trg	.26	.22	.19
◆512—	MM74HC132MX	SOIC-14	Qd 2-Inp NAND Sc Trg	.26	.22	.19
◆512—	MM74HC138MTC	TSSOP-16	3 to 8 Line Decoder	.42	.36	.30
◆512—	MM74HC138MX	SOIC-16	3-to-8 Line Decoder	.42	.36	.30
512—	MM74HC138N	DIP-16	3 to 8 Line Decoder	.50	.38	.28
◆512—	MM74HC138SJ	SOP-16	3 to 8 Line Decoder	.42	.36	.30
◆512—	MM74HC14MTC	TSSOP-14	Hex Inverting Schmitt Trigger	.27	.23	.19
◆512—	MM74HC14MTCX	TSSOP-14	Hex Inv Schmitt Trig	.27	.23	.19
◆512—	MM74HC14MX	SOIC-14	Hex Inv Schmitt Trig	.24	.21	.17
512—	MM74HC14N	DIP-14	Hex Inverting Schmitt Trigger	.39	.34	.28
◆512—	MM74HC14SJ	SOP-14	Hex Inverting Schmitt Trigger	.32	.27	.23
◆512—	MM74HC151M	SOIC-16	8-Channel Digital Multiplexer	.42	.36	.30
◆512—	MM74HC151MTC	TSSOP-16	8-Channel Digital Multiplexer	.42	.36	.30
◆512—	MM74HC151SJ	SOP-16	8-Channel Digital Multiplexer	.61	.52	.44
◆512—	MM74HC154MTC	TSSOP-24	4-to-16 Line Decoder	.71	.61	.51
512—	MM74HC154N	DIP-24	4-to-16 Line Decoder	.96	.80	.64
◆512—	MM74HC157MTC	TSSOP-16	Quad 2-Input Multiplexer	.44	.38	.32
◆512—	MM74HC157MX	SOIC-16	Qd 2-Inp Mulitplexer	.44	.38	.32
512—	MM74HC157N	DIP-16	Quad 2-Input Multiplexer	.50	.38	.28
◆512—	MM74HC164MX	SOIC-14	8-Bit Shift Register	.46	.40	.30
512—	MM74HC164N	DIP-14	8-Bit Serial Shift Register	.54	.41	.30
◆512—	MM74HC165MTC	TSSOP-16	Parallel-in/Serial-out 8-Bit Reg	.46	.40	.33
◆512—	MM74HC165MX	SOIC-16	8-Bit Shift Register	.46	.40	.33
512—	MM74HC165N	DIP-16	Parallel-in/Serial-out 8-Bit Reg	.54	.41	.30
◆512—	MM74HC165SJ	SOP-16	Parallel-in/Serial-out 8-Bit Reg	.59	.50	.42
◆512—	MM74HC174M	SOIC-16	Hex D-Type Flip-Flop with Clear	.46	.40	.33
◆512—	MM74HC174MTC	TSSOP-16	Hex D-Type Flip-Flop with Clear	.46	.40	.33
512—	MM74HC174N	DIP-16	Hex D-Type Flip-Flop with Clear	.52	.39	.29
◆512—	MM74HC174SJ	SOP-16	Hex D-Type Flip-Flop with Clear	.46	.40	.33
◆512—	MM74HC175M	SOIC-16	Qd D-Type Flip-Flop with Clear	.46	.40	.33
◆512—	MM74HC175MTC	TSSOP-16	Qd D-Type Flip-Flop with Clear	.46	.40	.33
512—	MM74HC175N	DIP-16	Qd D-Type Flip-Flop with Clear	.52	.39	.29
◆512—	MM74HC240MTC	TSSOP-20	Inverting Octal 3-STATE Buffer	.36	.31	.26
512—	MM74HC240N	DIP-20	Inverting Octal 3-STATE Buffer	.48	.41	.35
◆512—	MM74HC240SJ	SOP-20	Inverting Octal 3-STATE Buffer	.36	.31	.26
◆512—	MM74HC240WM	SOIC(W)-20	Inverting Octal 3-STATE Buffer	.36	.31	.26
◆512—	MM74HC244MTC	TSSOP-20	Octal 3-STATE Buffer	.36	.31	.26
512—	MM74HC244N	DIP-20	Octal 3-STATE Buffer	.48	.41	.35
◆512—	MM74HC244SJ	SOP-20	Octal 3-STATE Buffer	.36	.31	.26
◆512—	MM74HC244WMX	SOIC-20	Octal 3-STATE Buffer	.36	.31	.26
◆512—	MM74HC245AMTC	TSSOP-20	Octal 3-STATE Transceiver	.36	.31	.26
512—	MM74HC245AN	DIP-20	Octal 3-STATE Transceiver	.49	.42	.35
◆512—	MM74HC245AWMX	SOIC-20	Octal 3-STATE Trans	.37	.31	.26
◆512—	MM74HC251MTC	TSSOP-16	8-Channel 3-STATE Multiplexer	.42	.36	.30
◆512—	MM74HC259MTC	TSSOP-16	8-Bit Latch/Decoder	.42	.36	.30
◆512—	MM74HC259MX	SOIC-16	8-Bit Latch/Decoder	.42	.36	.30
512—	MM74HC259N	DIP-16	8-Bit Latch/Decoder	.50	.38	.28
◆512—	MM74HC273MTCX	TSSOP-20	Oct D-Type Flip-Flop	.35	.30	.25
512—	MM74HC273N	DIP-20	Octal D-Type Flip-Flop	.47	.41	.34
◆512—	MM74HC273WM	SOIC-20	Octal D-Type Flip-Flop	.36	.31	.26
◆512—	MM74HC273WMX	SOIC-20	Oct D-Type Flip-Flop	.36	.31	.26
◆512—	MM74HC32MTC	TSSOP-14	Quad 2-Input OR Gate	.26	.22	.19
◆512—	MM74HC32MX	SOIC-14	Quad 2-Input OR Gate	.22	.19	.16
512—	MM74HC32N	DIP-14	Quad 2-Input OR Gate	.38	.33	.27
◆512—	MM74HC32SJ	SOP-14	Quad 2-Input OR Gate	.30	.26	.22
◆512—	MM74HC373MTC	TSSOP-20	3-STATE Octal D-Type Latch	.36	.31	.26
512—	MM74HC373N	DIP-20	3-STATE Octal D-Type Latch	.48	.41	.35
◆512—	MM74HC373SJ	SOP-20	3-STATE Octal D-Type Latch	.36	.31	.26
◆512—	MM74HC373WM	SOIC(W)-20	3-STATE Octal D-Type Latch	.36	.31	.26
512—	MM74HC374N	DIP-20	3-STATE Oct D-Type Flip-Flop	.48	.41	.35
◆512—	MM74HC374SJ	SOP-20	3-STATE Oct D-Type Flip-Flop	.36	.31	.26
◆512—	MM74HC374WM	SOIC(W)-20	3-STATE Oct D-Type Flip-Flop	.36	.31	.26
◆512—	MM74HC393M	SOIC-14	Dual 4-Bit Binary Counter	.50	.38	.28
512—	MM74HC393N	DIP-14	Dual 4-Bit Binary Counter	.55	.41	.31
◆512—	MM74HC393SJ	SOP-14	Dual 4-Bit Binary Counter	.57	.49	.41
◆512—	MM74HC4040M	SOIC-16	12-Stage Binary Counter	.48	.36	.27
◆512—	MM74HC4040MTC	TSSOP-16	12-Stage Binary Counter	.57	.49	.41

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
512—	MM74HC4040N	DIP-16	12-Stage Binary Counter	.60	.45	.34
◆512—	MM74HC4046M	SOIC-16	CMOS Phase Locked Loop	.48	.36	.27
512—	MM74HC4046N	DIP-16	CMOS Phase Locked Loop	.60	.45	.34
◆512—	MM74HC4049M	SOIC-16	Hex Inv Logic Down Converter	.50	.43	.36
◆512—	MM74HC4049MTC	TSSOP-16	Hex Inv Logic Down Converter	.50	.43	.36
◆512—	MM74HC4050MTC	TSSOP-16	Hex Logic Level Down Conv	.55	.47	.39
◆512—	MM74HC4050MX	SOIC-16	Hex Converter	.55	.47	.39
512—	MM74HC4050N	DIP-16	Hex Logic Level Down Conv	.71	.61	.51
◆512—	MM74HC4051M	SOIC-16	8-Channel Analog Multiplexer	.52	.39	.29
◆512—	MM74HC4051MTC	TSSOP-16	8-Channel Analog Multiplexer	.57	.49	.41
512—	MM74HC4051N	DIP-16	8-Channel Analog Multiplexer	.68	.51	.38
◆512—	MM74HC4051SJ	SOP-16	8-Channel Analog Multiplexer	.84	.72	.60
◆512—	MM74HC4051WMX	SOIC-16	8-Chan Analog Multi	.84	.72	.60
◆512—	MM74HC4052MTC	TSSOP-16	TSSOP-16 Dual 4-Ch Analog Multiplexer	.63	.54	.45
◆512—	MM74HC4052MX	SOIC-16	Dl 4-Chan Ana Multi	.55	.44	.33
◆512—	MM74HC4052SJ	SOP-16	Dual 4-Ch Analog Multiplexer	.84	.72	.60
◆512—	MM74HC4052WM	SOIC(W)-16	Dual 4-Ch Analog Multiplexer	.84	.72	.60
◆512—	MM74HC4053M	SOIC-16	Trp 2-Ch Analog Multiplexer	.52	.39	.29
◆512—	MM74HC4053MTC	TSSOP-16	Trp 2-Ch Analog Multiplexer	.57	.49	.41
512—	MM74HC4053N	DIP-16	Trp 2-Ch Analog Multiplexer	.59	.49	.43
◆512—	MM74HC4053SJ	SOP-16	Trp 2-Ch Analog Multiplexer	.84	.72	.60
◆512—	MM74HC4053WM	SOIC(W)-16	Trp 2-Ch Analog Multiplexer	.63	.53	.47
◆512—	MM74HC4053WMX	SOIC-16	Trp 2-Chan Ana Multi	.78	.67	.56
◆512—	MM74HC4060M	SOIC-16	14-Stage Binary Counter	.52	.39	.29
◆512—	MM74HC4060MTC	TSSOP-16	14-Stage Binary Counter	.63	.54	.45
512—	MM74HC4060N	DIP-16	14-Stage Binary Counter	.68	.51	.38
◆512—	MM74HC4060SJ	SOP-16	14-Stage Binary Counter	.84	.72	.60
◆512—	MM74HC4066MTCX	TSSOP-14	Quad Analog Switch	.55	.47	.39
◆512—	MM74HC4066MX	SOIC-14	Quad Analog Switch	.55	.47	.39
◆512—	MM74HC4066SJ	SOP-14	Quad Analog Switch	.84	.72	.60
◆512—	MM74HC4316MTC	TSSOP-16	Quad Analog Switch	.63	.54	.45
512—	MM74HC4316N	DIP-16	Quad Analog Switch	.60	.45	.34
512—	MM74HC4514N	DIP-24	Line Decoder with Latch	1.14	.95	.76
◆512—	MM74HC4514WM	SOIC(W)-24	Line Decoder with Latch	1.47	1.26	1.05
◆512—	MM74HC4538MX	SOIC-16	Dual Multivibrator	.52	.39	.29
512—	MM74HC4538N	DIP-16	Dual Multivibrator	.60	.45	.34
◆512—	MM74HC4538SJ	SOP-16	Dual Multivibrator	.63	.54	.45
◆512—	MM74HC540MTC	TSSOP-20	Inverting Octal 3-STATE Buffer	.44	.38	.32
512—	MM74HC540N	DIP-20	Inverting Octal 3-STATE Buffer	.50	.38	.28
◆512—	MM74HC540WM	SOIC(W)-20	Inverting Octal 3-STATE Buffer	.44	.38	.32
◆512—	MM74HC541MTC	TSSOP-20	Octal 3-STATE Buffer	.44	.38	.32
◆512—	MM74HC541WM	SOIC(W)-20	Octal 3-STATE Buffer	.44	.38	.32
◆512—	MM74HC573MTC	TSSOP-20	3-STATE Octal D-Type Latch	.44	.38	.32
512—	MM74HC573N	DIP-20	3-STATE Octal D-Type Latch	.50	.38	.28
◆512—	MM74HC573SJ	SOP-20	3-STATE Octal D-Type Latch	.44	.38	.32
◆512—	MM74HC573WMX	SOIC-20	3-STATE Oct D Latch	.44	.38	.32
◆512—	MM74HC574MTC	TSSOP-20	Oct D-Type Triggered Flip-Flop	.44	.38	.32
512—	MM74HC574N	DIP-20	Oct D-Type Triggered Flip-Flop	.50	.38	.28
◆512—	MM74HC574SJ	SOP-20	Oct D-Type Triggered Flip-Flop	.44	.38	.32
◆512—	MM74HC574WMX	SOIC-20	3-ST Oct D Flip-Flop	.44	.38	.32
◆512—	MM74HC589M	SOIC-16	8-Bit Shift Register	.92	.79	.66
◆512—	MM74HC594MX	SOIC-16	8-Bit Shift Register	.96	.72	.54
512—	MM74HC594N	DIP-16	8-Bit Shift Register	1.09	.94	.78
◆512—	MM74HC595MTC	TSSOP-16	8-Shift Registers	.42	.36	.30
◆512—	MM74HC595MX	SOIC-16	8-Bit Shift Register	.42	.36	.30
512—	MM74HC595N	DIP-16	8-Shift Registers	.54	.41	.30
◆512—	MM74HC595SJ	SOP-16	8-Shift Registers	.42	.36	.30
◆512—	MM74HC688MTC	TSSOP-20	8-Bit Magnitude Comparator	.55	.47	.39
◆512—	MM74HC74AMTC	TSSOP-14	Dual D-Type Flip-Flop	.26	.22	.18
◆512—	MM74HC74AMX	SOIC-14	Dl D-Type Flip-Flop	.24	.21	.17
512—	MM74HC74AN	DIP-14	Dual D-Type Flip-Flop	.40	.35	.29
◆512—	MM74HC74ASJ	SOP-14	Dual D-Type Flip-Flop	.32	.28	.23
◆512—	MM74HC86MTCX	TSSOP-14	Quad 2-Input OR Gate	.24	.21	.17
◆512—	MM74HC86MX	SOIC-14	Quad 2-Input OR Gate	.24	.21	.17
512—	MM74HC86N	DIP-14	Qd 2-Input Exclusive OR Gate	.40	.34	.29
◆512—	MM74HC86SJ	SOP-14	Qd 2-Input Exclusive OR Gate	.34	.29	.24
74HCT Series						
◆512—	MM74HCT00MTC	TSSOP-14	Quad 2-Input NAND Gate	.26	.22	.19
512—	MM74HCT00N	DIP-14	Quad 2-Input NAND Gate	.38	.32	.27
◆512—	MM74HCT00SJ	SOP-14	Quad 2-Input NAND Gate	.30	.26	.22
◆512—	MM74HCT04MX	SOIC-14	Hex Inverter	.22	.19	.16
◆512—	MM74HCT04MTC	TSSOP-14	Hex Inverter	.26	.22	.19
512—	MM74HCT04N	DIP-14	Hex Inverter	.38	.32	.27
◆512—	MM74HCT04SJ	SOP-14	Hex Inverter	.30	.26	.22
◆512—	MM74HCT05MX	SOIC-14	Hex Inverter (Open Drain)	.22	.19	.16
◆512—	MM74HCT05MTC	TSSOP-14	Hex Inverter (Open Drain)	.26	.22	.19
512—	MM74HCT05N	DIP-14	Hex Inverter (Open Drain)	.38	.32	.27

FAIRCHILD Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
74HCT Series (Cont.)						
◆512—	MM74HCT08M	SOIC-14	Quad 2-Input AND Gate	.22	.19	.16
◆512—	MM74HCT08MTC	TSSOP-14	Quad 2-Input AND Gate	.26	.22	.19
512—	MM74HCT08N	DIP-14	Quad 2-Input AND Gate	.38	.32	.27
◆512—	MM74HCT138M	SOIC-16	3-to-8 Line Decoder	.42	.36	.30
◆512—	MM74HCT138MTC	TSSOP-16	3-to-8 Line Decoder	.42	.36	.30
512—	MM74HCT138N	DIP-16	3-to-8 Line Decoder	.50	.38	.28
◆512—	MM74HCT14M	SOIC-14	Hex Inverting Schmitt Trigger	.24	.21	.17
◆512—	MM74HCT14MTC	TSSOP-14	Hex Inverting Schmitt Trigger	.24	.21	.17
512—	MM74HCT14N	DIP-14	Hex Inverting Schmitt Trigger	.40	.34	.29
◆512—	MM74HCT164M	SOIC-14	8-Bit Serial-In/Parallel-Out Reg	.46	.40	.33
512—	MM74HCT164N	DIP-14	8-Bit Serial-In/Parallel-Out Reg	.55	.47	.39
◆512—	MM74HCT164SJ	SOP-14	8-Bit Serial-In/Parallel-Out Reg	.46	.40	.33
512—	MM74HCT240N	DIP-20	Inverting Octal 3-STATE Buffer	.48	.41	.35
◆512—	MM74HCT240WM	SOIC-20	Inverting Octal 3-STATE Buffer	.36	.31	.26
◆512—	MM74HCT244MTC	TSSOP-20	Octal 3-STATE Buffer	.36	.31	.26
◆512—	MM74HCT244N	DIP-20	Octal 3-STATE Buffer	.48	.41	.35
◆512—	MM74HCT244SJ	SOP-20	Octal 3-STATE Buffer	.36	.31	.26
◆512—	MM74HCT244WMX	SOIC-20	Octal 3-STATE Buffer	.36	.31	.26
512—	MM74HCT245N	DIP-20	Octal 3-STATE Transceiver	.49	.42	.35
◆512—	MM74HCT245SJ	SOP-20	Octal 3-STATE Transceiver	.36	.31	.26
◆512—	MM74HCT245WMX	SOIC-20	Octal 3-STATE Trans	.36	.31	.26
◆512—	MM74HCT273MTC	TSSOP-20	Octal D Flip-Flop	.36	.31	.26
◆512—	MM74HCT273N	DIP-20	Octal D Flip-Flop	.48	.41	.35
◆512—	MM74HCT273SJ	SOP-20	Octal D Flip-Flop	.36	.31	.26
◆512—	MM74HCT273WM	SOIC(W)-20	Octal D Flip-Flop	.36	.31	.26
◆512—	MM74HCT32M	SOIC-14	Quad 2-Input OR Gate	.22	.19	.16
◆512—	MM74HCT32MTC	TSSOP-14	Quad 2-Input OR Gate	.26	.22	.19
◆512—	MM74HCT32N	DIP-14	Quad 2-Input OR Gate	.38	.32	.27
◆512—	MM74HCT373MTC	TSSOP-20	3-STATE Octal D-Type Latch	.36	.31	.26
512—	MM74HCT373N	DIP-20	3-STATE Octal D-Type Latch	.48	.41	.35
◆512—	MM74HCT373WM	SOIC(W)-14	3-STATE Octal D-Type Latch	.36	.31	.26
◆512—	MM74HCT374MTC	TSSOP-20	3-STATE Oct D-Type Flip-Flop	.36	.31	.26
512—	MM74HCT374N	DIP-20	3-STATE Oct D-Type Flip-Flop	.48	.41	.35
◆512—	MM74HCT374WM	SOIC(W)-20	3-STATE Oct D-Type Flip-Flop	.36	.31	.26
◆512—	MM74HCT540WM	SOIC(W)-20	Inverting Octal 3-STATE Buffer	.96	.82	.68
◆512—	MM74HCT541MTC	TSSOP-20	Octal 3-STATE Buffer	.44	.38	.32
512—	MM74HCT541N	DIP-20	Octal 3-STATE Buffer	.50	.38	.28
◆512—	MM74HCT541SJ	SOP-20	Octal 3-STATE Buffer	.44	.38	.32
◆512—	MM74HCT541WM	SOIC(W)-20	Octal 3-STATE Buffer	.44	.38	.32
◆512—	MM74HCT573MTC	TSSOP-20	Octal D-Type Latch	.44	.38	.32
512—	MM74HCT573N	DIP-20	Octal D-Type Latch	.53	.45	.38
◆512—	MM74HCT573SJ	SOP-20	Octal D-Type Latch	.79	.68	.57
◆512—	MM74HCT573WMX	SOIC-20	Octal D-Type Latch	.44	.38	.32
◆512—	MM74HCT574MTC	TSSOP-20	3-STATE Oct D-Type Flip-Flop	.44	.38	.32
512—	MM74HCT574N	DIP-20	3-STATE Oct D-Type Flip-Flop	.53	.45	.38
◆512—	MM74HCT74M	SOIC-14	Dual D-Type Flip-Flop	.24	.21	.17
512—	MM74HCT74N	DIP-14	Dual D-Type Flip-Flop	.40	.34	.29
74HCU Series						
◆512—	MM74HCU04MX	SOIC-14	Hex Inverter	.22	.19	.16
◆512—	MM74HCU04MTC	TSSOP-14	Hex Inverter	.26	.22	.19
512—	MM74HCU04N	DIP-14	Hex Inverter	.38	.32	.27
TinyLogic NC Series						
◆512—	NC7NP04K8X	US8-8	ULP Triple Inverter	.65	.55	.46
◆512—	NC7NP04L8X	MicroPak-8	ULP Triple Inverter	.48	.41	.35
◆512—	NC7NP14K8X	SOP-8	Triple Inverter	.50	.42	.35
◆512—	NC7NP34K8X	US8-8	Triple Buffer	.62	.53	.44
◆512—	NC7NP34L8X	MicroPak-8	ULP Triple Buffer	.59	.50	.42
◆512—	NC7NZ04K8X	US8-8	Inverter	.42	.36	.30
◆512—	NC7NZ04L8X	MicroPak-8	Inverter	.44	.38	.32
◆512—	NC7NZ14K8X	US8-8	Inverter	.57	.47	.35
◆512—	NC7NZ14L8X	MicroPak-8	UHS Inverter w/Schmitt Trigger Out	.50	.43	.36
◆512—	NC7NZ17K8X	US8-8	Triple Buffer	.55	.46	.35
◆512—	NC7NZ17L8X	MicroPak-8	UHS Triple Inverter w/Schmitt Trigger	.48	.41	.35
◆512—	NC7NZ34K8X	US8-8	Triple Buffer	.47	.40	.33
◆512—	NC7NZ34L8X	MicroPak-8	UHS Triple Buffer	.42	.36	.30
◆512—	NC7NZU04K8X	US8-8	Unbuffered Inverter	.38	.32	.27
◆512—	NC7S00L6X	MicroPak-6	2-Input NAND Gate	.29	.24	.20
◆512—	NC7S00M5X	SOT23-5	Single 2-Input NAND Gate	.14	.12	.10
◆512—	NC7S00P5X	SC70-5	2-Input NAND Gate	.14	.12	.10
◆512—	NC7S02M5X	SOT23-5	Single 2-Input NOR Gate	.14	.12	.10
◆512—	NC7S04L6X	MicroPak-6	Inverter	.29	.24	.20
◆512—	NC7S04M5X	SOT23-5	Inverter	.14	.12	.10
◆512—	NC7S04P5X	SC70-5	Inverter	.14	.12	.10
◆512—	NC7S08L6X	MicroPak-6	2-Input AND Gate	.22	.19	.16
◆512—	NC7S08M5X	SOT23-5	Single 2-Input AND Gate	.14	.12	.10
◆512—	NC7S08P5X	SC70-5	Single 2-Input AND Gate	.14	.12	.10
◆512—	NC7S14L6X	MicroPak-6	Inv with Schmitt Trigger Input	.29	.24	.20
◆512—	NC7S14M5X	SOT23-5	Single Inv with Sch Trigger Input	.14	.12	.10
◆512—	NC7S14P5X	SC70-5	Single Inv with Sch Trigger Input	.14	.12	.10
◆512—	NC7S32L6X	MicroPak-6	2-Input OR Gate	.22	.19	.16

◆ Surface Mount Device

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part Number			1	25	100
◆512—	NC7S32M5X	SOT23-5	Single 2-Input OR Gate	.14	.12	.10
◆512—	NC7S32P5X	SC70-5	Single 2-Input OR Gate	.14	.12	.10
◆512—	NC7S86L6X	MicroPak-6	2-Input Exclusive-OR Gate	.29	.24	.20
◆512—	NC7S86M5X	SOT23-5	Single 2-Input Exc OR Gate	.14	.12	.10
◆512—	NC7S86P5X	SC70-5	Single 2-Input Exc OR Gate	.14	.12	.10
◆512—	NC7SB3157L6X	MicroPak-6	SPDT Switch or 2:1 Multi/Demult Bus	.46	.39	.33
◆512—	NC7SB3157P6X	SC70-6	Low Volt SPDTAnalog Switch	.28	.24	.20
◆512—	NC7SB3257P6X	SC70-6	Sgl Multi/Demultiplexer Switch	.42	.36	.30
◆512—	NC7SBU3157P6X	SC70-6	SPDT Switch with -2V Undershoot	.61	.53	.44
◆512—	NC7SP00P5X	SC70-5	2-Input NAND Gate	.23	.19	.16
◆512—	NC7SP02L6X	Micro-Pak-6	2-Input NOR Gate	.26	.22	.18
◆512—	NC7SP02P5X	SC70-5	2-Input NOR Gate	.23	.19	.16
◆512—	NC7SP04L6X	MicroPak-6	Inverter	.26	.22	.18
◆512—	NC7SP04P5X	SC70-5	Inverter	.18	.15	.13
◆512—	NC7SP05P5X	SC70-5	Inverter	.23	.19	.16
◆512—	NC7SP08L6X	MicroPak-6	2-Input AND Gate	.25	.22	.18
◆512—	NC7SP08P5X	SC70-5	2-Input AND Gate	.18	.15	.13
◆512—	NC7SP125L6X	MicroPak-6	Buffer with 3-STATE Output	.50	.43	.36
◆512—	NC7SP125P5X	SC70-5	Buffer with 3-STATE Output	.25	.22	.18
◆512—	NC7SP14P5X	SC70-5	Inverter with Schmitt Trigger Input	.18	.15	.13
◆512—	NC7SP157P6X	SC70-6	2-Input Non-Inverting Multiplexer	.23	.20	.17
◆512—	NC7SP158P6X	SC70-6	2-Input Inverting Multiplexer	.23	.20	.17
◆512—	NC7SP17L6X	MicroPak-6	Single Buffer with Schmitt Trigger	.50	.43	.36
◆512—	NC7SP17P5X	SC70-5	Single Buffer with Schmitt Trigger	.24	.21	.17
◆512—	NC7SP19P6X	SC70-6	ULP 1-of-2 Decoder/Demultiplexer	.39	.34	.28
◆512—	NC7SP34L6X	MicroPak-6	Single Buffer	.32	.27	.23
◆512—	NC7SP38P5X	SC70-5	2-Input NAND Gate	.18	.15	.13
◆512—	NC7SP57P6X	SC70-6	Universal Configurable 2-Input Logic	.23	.20	.17
◆512—	NC7SP58L6X	MicroPak-6	Universal Configurable 2-Input Logic	.50	.43	.36
◆512—	NC7SP58P6X	SC70-6	Universal Configurable 2-Input Logic	.23	.20	.17
◆512—	NC7SP74K8X	US8-8	D-Type Flip-Flop	.53	.45	.38
◆512—	NC7SP74L8X	MicroPak-8	D-Type Flip-Flop	.59	.51	.42
◆512—	NC7SP86P5X	SC70-5	2-Input Exclusive OR Gate	.25	.22	.18
◆512—	NC7SPU04L6X	MicroPak-6	Unbuffered Inverter	.32	.27	.23
◆512—	NC7SPU04P5X	SC70-5	Unbuffered Inverter	.23	.19	.16
◆512—	NC7ST00M5X	SOT23-5	2-Input NAND Gate	.14	.12	.10
◆512—	NC7ST02P5X	SC70-5	2-Input NOR Gate	.14	.12	.10
◆512—	NC7ST04L6X	MicroPak-6	Inverter	.29	.24	.20
◆512—	NC7ST04M5X	SOT23-5	Inverter	.14	.12	.10
◆512—	NC7ST08M5X	SOT23-5	2-Input AND Gate	.14	.12	.10
◆512—	NC7ST32P5X	SC70-5	2-Input OR Gate	.14	.12	.10
◆512—	NC7ST86M5X	SOT23-5	2-Input Exclusive-OR Gate	.14	.12	.10
◆512—	NC7SU04M5X	SOT23-5	Unbuffered Inverter	.14	.12	.10
◆512—	NC7SV00L6X	MicroPak-6	2-Input NAND Gate	.26	.22	.18
◆512—	NC7SV00P5X	SC70-5	2-Input NAND Gate	.18	.15	.13
◆512—	NC7SV02P5X	SC70-5	2-Input NOR Gate	.18	.15	.13
◆512—	NC7SV04L6X	MicroPak-6	Inverter	.34	.29	.24
◆512—	NC7SV04P5X	SC70-5	Inverter	.18	.15	.13
◆512—	NC7SV05L6X	MicroPak-6	Inverter	.32	.27	.23
◆512—	NC7SV05P5X	SC70-5	Inverter	.23	.19	.16
◆512—	NC7SV08L6X	MicroPak-6	2-Input AND Gate	.34	.29	.24
◆512—	NC7SV08P5X	SC70-5	2-Input AND Gate	.18	.15	.13
◆512—	NC7SV125P5X	SC70-5	Buffer with 3-STATE Output	.25	.22	.18
◆512—	NC7SV125L6X	MicroPak-6	Buffer 3-STATE Out	.50	.43	.36
◆512—	NC7SV126L6X	MicroPak-6	Buffer with 3-STATE Output	.50	.43	.36
◆512—	NC7SV126P5X	SC70-5	Buffer with 3-STATE Output	.25	.22	.18
◆512—	NC7SV14L6X	MicroPak-6	Inverter with Schmitt Trigger Input	.36	.31	.26
◆512—	NC7SV14P5X	SC70-5	Inverter with Schmitt Trigger Input	.23	.19	.16
◆512—	NC7SV158L6X	MicroPak-6	2-Input Inverting Multiplexer	.50	.43	.36
◆512—	NC7SV17P5X	SC70-5	Single Buffer	.23	.19	.16
◆512—	NC7SV19P6X	SC70-6	1-of-2 Decoder/Demultiplexer	.39	.34	.28
◆512—	NC7SV32L6X	MicroPak-6	2-Input OR Gate	.25	.22	.18
◆512—	NC7SV32P5X	SC70-5	2-Input OR Gate	.18	.15	.13
◆512—	NC7SV34P5X	SC70-5	Single Buffer	.23	.19	.16
◆512—	NC7SV57P6X	SC70-6	Universal Configurable 2-Input Logic	.23	.20	.17
◆512—	NC7SV58L6X	MicroPak-6	Universal Configurable 2-Input Logic	.50	.43	.36
◆512—	NC7SV74K8X	US8-8	D-Type Flip-Flop	.53	.45	.38
◆512—	NC7SV74L8X	MicroPak-8	D-Type Flip-Flop	.59	.51	.42
◆512—	NC7SV86P5X	SC70-5	2-Input Exclusive OR Gate	.23	.19	.16
◆512—	NC7SVU04L6X	MicroPak-6	Unbuffered Inverter	.32	.27	.23
◆512—	NC7SZ00L6X	MicroPak-6	2-Input NAND Gate	.24	.21	.17
◆512—	NC7SZ00M5X	SOT23-5	2-Input NAND Gate	.14	.12	.10
◆512—	NC7SZ00P5X	SC70-5	Single 2-Input NAND Gate	.14	.12	.10
◆512—	NC7SZ02L6X	MicroPak-6	2-Input NOR Gate	.24	.21	.17
◆512—	NC7SZ02P5X	SC70-5	2-Input NOR Gate	.14	.12	.10
◆512—	NC7SZ04L6X	MicroPak-6	Inverter	.23	.20	.17
◆512—	NC7SZ04M5X	SOT23-5	Single Inverter	.14	.12	.10
◆512—	NC7SZ04P5X	SC70-5	Inverter	.14	.12	.10
◆512—	NC7SZ05L6X	MicroPak-6	Inverter	.23	.20	.17
◆512—	NC7SZ05M5X	SOT23-5	Inverter	.14	.12	.10
◆512—	NC7SZ05P5X	SC70-5	Inverter	.14	.12	.10

FAIRCHILD Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

For quantities of 250 and up, call for quote.

◆ Surface Mount Device

MOUSER STOCK NO.	Fairchild Part No.	Package	Description	Price Each		
				1	25	100
TinyLogic NC Series (Cont.)						
◆512-NC7SZ08L6X	NC7SZ08L6X	MicroPak-6	2-Input AND Gate	.24	.21	.17
◆512-NC7SZ08M5X	NC7SZ08M5X	SOT23-5	Single 2-Input AND Gate	.14	.12	.10
◆512-NC7SZ08P5X	NC7SZ08P5X	SC70	Single 2-Input AND Gate	.14	.12	.10
◆512-NC7SZ10P6X	NC7SZ10P6X	SC70-6	3-Input NAND Gate	.21	.18	.15
◆512-NC7SZ11L6X	NC7SZ11L6X	MicroPak-6	3-Input AND Gate	.36	.31	.26
◆512-NC7SZ11P6X	NC7SZ11P6X	SC70-6	3-Input NAND Gate	.21	.18	.15
◆512-NC7SZ125L6X	NC7SZ125L6X	MicroPak-6	Buffer with 3-STATE	.36	.31	.26
◆512-NC7SZ125M5X	NC7SZ125M5X	SOT-23	Buffer with 3-STATE Output	.18	.15	.13
◆512-NC7SZ125M5X	NC7SZ125M5X	SOT23-5	Single Buffer	.18	.15	.13
◆512-NC7SZ125P5X	NC7SZ125P5X	SC70	Single Buffer	.18	.15	.13
◆512-NC7SZ126P5X	NC7SZ126P5X	SC70-5	Single Buffer	.18	.15	.13
◆512-NC7SZ14L6X	NC7SZ14L6X	MicroPak-6	Inverter with Schmitt Trigger Input	.31	.27	.22
◆512-NC7SZ14M5X	NC7SZ14M5X	SOT23-5	Single Inv with Schmitt Trigger	.14	.12	.10
◆512-NC7SZ14P5X	NC7SZ14P5X	SC70-5	Single Inv with Schmitt Trigger	.14	.12	.10
◆512-NC7SZ157P6X	NC7SZ157P6X	SC70-6	2-Input Non-Inv Multiplexer	.21	.18	.15
◆512-NC7SZ175L6X	NC7SZ175L6X	MicroPak-6	2-Input Non-Inv Multiplexer	.36	.31	.26
◆512-NC7SZ175P6X	NC7SZ175P6X	SC70-6	Sgl D-Type F-F w/Asynch Clear	.21	.18	.15
◆512-NC7SZ18P6X	NC7SZ18P6X	SC70-6	1-of-2 Non-Inv Demultiplexer	.23	.20	.17
◆512-NC7SZ19L6X	NC7SZ19L6X	MicroPak-6	1-of-2 Decoder/Demultiplexer	.50	.43	.36
◆512-NC7SZ19P6X	NC7SZ19P6X	SC70-6	1-of-2 Decoder/Demultiplexer	.38	.32	.27
◆512-NC7SZ27P6X	NC7SZ27P6X	SC70-6	3-Input NOR Gate	.23	.20	.17
◆512-NC7SZ32L6X	NC7SZ32L6X	MicroPak-6	2-Input OR Gate	.24	.21	.17
◆512-NC7SZ32M5X	NC7SZ32M5X	SOT23-5	Single 2-Input OR Gate	.32	.25	.17
◆512-NC7SZ32P5X	NC7SZ32P5X	SC70-5	2-Input OR Gate	.14	.12	.10
◆512-NC7SZ332P6X	NC7SZ332P6X	SC70-6	3-Input OR Gate	.21	.18	.15
◆512-NC7SZ373P6X	NC7SZ373P6X	SC70-6	D-Type Latch	.21	.18	.15
◆512-NC7SZ384M5X	NC7SZ384M5X	SOT23-5	1-Bit Low Power Bus Switch	.28	.24	.20
◆512-NC7SZ384P5X	NC7SZ384P5X	SC70-5	1-Bit Low Power Bus Switch	.21	.18	.15
◆512-NC7SZ38L6X	NC7SZ38L6X	MicroPak-6	2-Input NAND Gate	.31	.27	.22
◆512-NC7SZ38M5X	NC7SZ38M5X	SOT23-5	2-Input NAND Gate	.14	.12	.10
◆512-NC7SZ38P5X	NC7SZ38P5X	SC70-5	2-Input NAND Gate	.14	.12	.10
◆512-NC7SZ57L6X	NC7SZ57L6X	MicroPak-6	Universal Configurable 2-Input Logic	.32	.27	.23
◆512-NC7SZ57P6X	NC7SZ57P6X	SC70-6	Univ Config 2-Input Logic Gates	.19	.16	.14
◆512-NC7SZ58L6X	NC7SZ58L6X	MicroPak-6	2-Input Logic Gate	.32	.27	.23
◆512-NC7SZ58P6X	NC7SZ58P6X	SC70-6	Univ Config 2-Input Logic Gates	.19	.16	.14
◆512-NC7SZ66M5X	NC7SZ66M5X	SOT23-5	1-Bit Bus Switch	.21	.18	.15
◆512-NC7SZ66P5X	NC7SZ66P5X	SC70-5	1-Bit Bus Switch	.21	.18	.15
◆512-NC7SZ74K8X	NC7SZ74K8X	US8-8	D-Type Flip-Flop	.40	.32	.24
◆512-NC7SZ74L8X	NC7SZ74L8X	MicroPak-8	D-Type Flip-Flop	.44	.38	.32
◆512-NC7SZ86L6X	NC7SZ86L6X	MicroPak-6	2-Input Exclusive OR Gate	.36	.31	.26
◆512-NC7SZ86M5X	NC7SZ86M5X	SOT23-5	2-Input Exclusive-OR Gate	.19	.16	.14
◆512-NC7SZ86P5X	NC7SZ86P5X	SC70-5	UHS 2-Input OR Gate	.19	.16	.14
◆512-NC7SZD384M5X	NC7SZD384M5X	SOT23-5	1-Bit Bus Switch	.32	.27	.23
◆512-NC7SZU04M5X	NC7SZU04M5X	SOT23-5	Unbuffered Inverter	.14	.12	.10
◆512-NC7SZU04P5X	NC7SZU04P5X	SC70-5	Unbuffered Inverter	.14	.12	.10
◆512-NC7WB3125K8X	NC7WB3125K8X	US8-8	Low Power Bus Switch	.46	.39	.33
◆512-NC7WB66K8X	NC7WB66K8X	US8-8	2-Bit Bus Switch	.36	.30	.26
◆512-NC7WB66L8X	NC7WB66L8X	MicroPak-8	SPST 2-Bit Bus Switch	.46	.39	.33
◆512-NC7WBD3306K8X	NC7WBD3306K8X	US8-8	2-Bit Low Power Bus Switch	.68	.59	.49
◆512-NC7WP00K8X	NC7WP00K8X	US8-8	2-Input NAND Gate	.53	.45	.38
◆512-NC7WP02K8X	NC7WP02K8X	US8-8	ULP Dual 2-Input NOR Gate	.49	.42	.35
◆512-NC7WP02L8X	NC7WP02L8X	MicroPak-8	ULP Dual 2-Input NOR Gate	.58	.50	.42
◆512-NC7WP08K8X	NC7WP08K8X	US8-8	2-Input AND Gate	.53	.45	.38
◆512-NC7WP08L8X	NC7WP08L8X	MicroPak-6	Dual 2-Input AND Gate	.58	.50	.41
◆512-NC7WP125K8X	NC7WP125K8X	US8-8	ULP Buffer with 2-STATE Output	.53	.45	.38
◆512-NC7WP125L8X	NC7WP125L8X	MicroPak-8	ULP Buffer with 3-STATE Output	.58	.50	.41
◆512-NC7WP14P6X	NC7WP14P6X	SC70-6	Inverter with Schmitt Trigger Input	.42	.36	.30
◆512-NC7WP240K8X	NC7WP240K8X	US8-8	Inverting Buffer w/ 3-STATE Output	.53	.45	.38
◆512-NC7WP240L8X	NC7WP240L8X	MicroPak-8	ULP Dual Inverting Buffer w/ 3-STATE	.59	.50	.42
◆512-NC7WP32K8X	NC7WP32K8X	US8-8	2-Input OR Gate	.53	.45	.38
◆512-NC7WP32L8X	NC7WP32L8X	MicroPak-8	ULP 2-Input OR Gate	.59	.50	.42
◆512-NC7WP86K8X	NC7WP86K8X	US8-8	2-Input Exclusive OR Gate	.50	.43	.36
◆512-NC7WV04L6X	NC7WV04L6X	MicroPak-6	Dual Inverter	.50	.43	.36
◆512-NC7WV04P6X	NC7WV04P6X	SC70-6	Dual Inverter	.40	.34	.29
◆512-NC7WV07L6X	NC7WV07L6X	MicroPak-6	Dual Buffer	.50	.43	.36
◆512-NC7WV07P6X	NC7WV07P6X	SC70-6	Dual Buffer	.40	.34	.29
◆512-NC7WV125K8X	NC7WV125K8X	US8-8	Buffer with 3-STATE Output	.40	.34	.29
◆512-NC7WV14L6X	NC7WV14L6X	MicroPak-6	Dual Inverter	.50	.43	.36
◆512-NC7WV14P6X	NC7WV14P6X	SC70-6	Dual Inverter	.40	.34	.29
◆512-NC7WV16L6X	NC7WV16L6X	MicroPak-6	Dual Buffer	.50	.43	.36
◆512-NC7WV16P6X	NC7WV16P6X	SC70-6	Dual Buffer	.40	.34	.29
◆512-NC7WV17L6X	NC7WV17L6X	MicroPak-6	Dual Buffer with Schmitt Trigger Inp.	.50	.43	.36
◆512-NC7WV17P6X	NC7WV17P6X	SC70-6	Dual Buffer with Schmitt Trigger Inp.	.40	.34	.29
◆512-NC7WZ00K8X	NC7WZ00K8X	US8-8	Dual 2-Input NAND Gate	.34	.29	.24
◆512-NC7WZ00L8X	NC7WZ00L8X	MicroPak-8	UHS Dual 2-Input NAND Gate	.44	.38	.32
◆512-NC7WZ02L8X	NC7WZ02L8X	MicroPak-8	UHS Dual 2-Input NOR Gate	.44	.38	.32
◆512-NC7WZ04L6X	NC7WZ04L6X	MicroPak-6	Dual Inverter	.36	.31	.26
◆512-NC7WZ04P6X	NC7WZ04P6X	SC70-6	Dual Inverter	.24	.21	.17
◆512-NC7WZ07L6X	NC7WZ07L6X	MicroPak-6	Dual Buffer	.36	.31	.26
◆512-NC7WZ07P6X	NC7WZ07P6X	SC70-6	Dual Buffer	.24	.21	.17
◆512-NC7WZ08K8X	NC7WZ08K8X	US8-8	Dual 2-Input AND Gate	.40	.32	.24
◆512-NC7WZ125K8X	NC7WZ125K8X	US8-8	Buffer	.40	.32	.24
◆512-NC7WZ125L8X	NC7WZ125L8X	MicroPak-8	Buffer with 3-STATE Output	.44	.38	.32
◆512-NC7WZ126L8X	NC7WZ126L8X	MicroPak-8	Buffer with 3-STATE Output	.44	.38	.32
◆512-NC7WZ132K8X	NC7WZ132K8X	US8-8	Dual 2-Input NAND Gate	.34	.29	.24
◆512-NC7WZ132L8X	NC7WZ132L8X	MicroPak-8	UHS Dual 2-Input NAND Gate	.44	.38	.32
◆512-NC7WZ14L6X	NC7WZ14L6X	MicroPak-6	Dual Inverter with Schmitt Trigger Inp.	.36	.31	.26
◆512-NC7WZ14P6X	NC7WZ14P6X	SC70-6	Dual Inverter	.24	.21	.17
◆512-NC7WZ16L6X	NC7WZ16L6X	MicroPak-6	Dual Buffer	.36	.31	.26
◆512-NC7WZ16P6X	NC7WZ16P6X	SC70-6	Dual Buffer	.24	.21	.17
◆512-NC7WZ17L6X	NC7WZ17L6X	MicroPak-6	Dual Buffer with Schmitt Trigger Inp.	.36	.31	.26
◆512-NC7WZ17P6X	NC7WZ17P6X	SC70-6	Dual Buffer	.24	.21	.17
◆512-NC7WZ240K8X	NC7WZ240K8X	US8-8	Dual Inverting Buffer	.34	.29	.24
◆512-NC7WZ240L8X	NC7WZ240L8X	MicroPak-8	UHS Dual Inverting Buffer w/ 3-STATE	.44	.38	.32
◆512-NC7WZ32K8X	NC7WZ32K8X	US8-8	Dual 2-Input OR Gate	.40	.32	.24
◆512-NC7WZ38K8X	NC7WZ38K8X	US8-8	Dual 2-Input NAND Gate	.34	.29	.24
◆512-NC7WZ38L8X	NC7WZ38L8X	MicroPak-8	UHS Dual 2-Input NAND Gate	.44	.38	.32
◆512-NC7WZ86L8X	NC7WZ86L8X	MicroPak-8	UHS Dual 2-Input Exclusive OR Gate	.44	.38	.32
◆512-NC7WZU04L6X	NC7WZU04L6X	MicroPak-6	Dual Unbuffered Inverter	.36	.31	.26
◆512-NC7WZU04P6X	NC7WZU04P6X	SC70-6	Dual Unbuffered Inverter	.24	.21	.17

ON SEMICONDUCTOR Logic

ON Semiconductor® LOGIC

RoHS Compliant This page of product is compliant.

ON Semiconductor®

◆ Surface Mount

RoHS Compliant

MOUSER STOCK NO.	ON Semi Part No.	Package	Description	Price Each			
				1	25	100	500
◆ 863-M74VHC1GT125DT1G	M74VHC1GT125DT1G	SOT-23	Single Non Inverting Buffer, 3-State	.12	.10	.09	.08
◆ 863-M74VHC1GT50DFT1G	M74VHC1GT50DFT1G	SC 88A	Single Non Inverting Buffer, TTL Level	.09	.08	.07	.06
◆ 863-MC100EL29DWG	MC100EL29DWG	SOIC-20W	5V ECL Dual Diff Data and Clock D Flip-Flop With Set and Reset	8.78	7.97	6.48	5.76
◆ 863-MC100EL32DG	MC100EL32DG	SOIC-8	5V ECL Divide by 2 Divider	5.46	5.00	3.76	3.18
◆ 863-MC100EL33DG	MC100EL33DG	SOIC-8	5V ECL Divide by 4 Divider	5.46	5.00	3.76	3.18
◆ 863-MC100EL34DG	MC100EL34DG	SOIC-16	5V ECL Divide by 2, Divide by 4, Divide by 8 Clock Generation Chip	6.48	6.02	4.86	4.32
◆ 863-MC100EL56DWG	MC100EL56DWG	SOIC-20W	5V ECL Dual Differential 2:1 Multiplexer	8.36	7.72	5.96	5.20
◆ 863-MC100EL57DG	MC100EL57DG	SOIC-16	5V ECL 4:1 Differential Multiplexer	7.32	6.76	5.22	4.55
◆ 863-MC100EL90DWG	MC100EL90DWG	SOIC-20W	-3.3V / -5V Triple ECL Input to PECL Output Translator	8.78	7.97	6.48	5.76
◆ 863-MC100EL91DWG	MC100EL91DWG	SOIC-20W	3.3V / 5V Triple LVPECL /PECL Input to -5V ECL Output Translator	8.78	7.97	6.48	5.76
◆ 863-MC100ELT20DG	MC100ELT20DG	SOIC-8	5V TTL To Differential PECL Translator	5.70	4.75	3.32	3.21
◆ 863-MC100ELT21DG	MC100ELT21DG	SOIC-8	5V Differential PECL To TTL Translator	5.70	4.75	4.28	3.61
◆ 863-MC100ELT22DG	MC100ELT22DG	SOIC-8	5V Dual TTL to Differential PECL Translator	5.70	4.75	4.28	3.61
◆ 863-MC100ELT23DG	MC100ELT23DG	SOIC-8	5V Dual Differential PECL to TTL Translator	5.13	4.47	3.33	2.66
◆ 863-MC100ELT24DG	MC100ELT24DG	SOIC-8	5V TTL to Differential ECL Translator	5.13	4.47	3.33	2.66
◆ 863-MC100ELT25DG	MC100ELT25DG	SOIC-8	Differential -5V ECL To TTL Translator	5.70	4.75	3.32	3.21
◆ 863-MC100EP01DG	MC100EP01DG	SOIC-8	BBG ECL OR/NOR 4INPUT	8.54	7.90	6.09	5.34
◆ 863-MC100EP05DG	MC100EP05DG	SOIC-8	3.3V / 5V 2-Input Differential AND/NAND	8.77	7.55	6.13	5.38
◆ 863-MC100EP05DTG	MC100EP05DTG	TSSOP 8	3.3V / 5V 2-Input Differential AND/NAND	8.77	7.55	6.13	5.38
◆ 863-MC100EP08DG	MC100EP08DG	SOIC-8	3.3V / 5V Differential 2-Input XOR/XNOR	8.22	7.47	6.21	5.26
◆ 863-MC100EP105MNG	MC100EP105MNG	QFN 32	3.3V / 5V ECL Quad 2-Input Differential AND/NAND	15.40	14.43	12.79	12.28
◆ 863-MC100EP105MNR4G	MC100EP105MNR4G	QFN-32	3.3V / 5V ECL Quad 2-Input Differential AND/NAND	15.40	14.43	12.79	12.28
◆ 863-MC100EP116MNG	MC100EP116MNG	QFN-32	3.3V / 5V Hex Differential Line Receiver / Driver	15.40	14.43	12.79	12.28
◆ 863-MC100EP116MNR4G	MC100EP116MNR4G	QFN-32	3.3V / 5V Hex Differential Line Receiver / Driver	15.40	14.43	12.79	12.28
◆ 863-MC100EP11DG	MC100EP11DG	SOIC-8	3.3V / 5V ECL 1:2 Differential Fanout Buffer	6.20	5.68	4.53	4.13
◆ 863-MC100EP11MNR4G	MC100EP11MNR4G	DFN-8	3.3V / 5V ECL 1:2 Differential Fanout Buffer	9.30	7.75	6.98	5.89
◆ 863-MC100EP11MNR4G	MC100EP11MNR4G	DFN 8	3.3V / 5V ECL 1:2 Differential Fanout Buffer	9.30	7.75	6.98	5.89
◆ 863-MC100EP139DTG	MC100EP139DTG	TSSOP 20	3.3V / 5V ECL 2/4, 4/5/6 Clock Generation Chip	13.41	12.45	10.06	9.39
◆ 863-MC100EP139DWG	MC100EP139DWG	SOIC-20W	3.3V / 5V ECL ÷2/4, +4/5/6 Clock Generation Chip	14.85	13.78	11.14	9.90
◆ 863-MC100EP14DTG	MC100EP14DTG	TSSOP-20	3.3V / 5V 1:5 Differential ECL/PECL/HSTL Clock Driver	9.00	7.99	7.10	6.50
◆ 863-MC100EP16DG	MC100EP16DG	SOIC-8	3.3V / 5V ECL Differential Receiver/Driver	8.10	6.75	6.08	5.13
◆ 863-MC100EP16FDG	MC100EP16FDG	SOIC-8	3.3V / 5V ECL Diff Receiver/Driver With Reduced Output Swing	8.78	7.97	6.48	5.76
◆ 863-MC100EP16TDG	MC100EP16TDG	SOIC-8	3.3V / 5V ECL Diff Receiver/Driver with Internal Termination	8.78	7.97	6.48	5.76
◆ 863-MC100EP16VADTG	MC100EP16VADTG	TSSOP-8	3.3V / 5V ECL Diff Receiver/Driver with High Gain	9.00	7.50	6.75	5.70
◆ 863-MC100EP16VAMNR4G	MC100EP16VAMNR4G	DFN-8	3.3V / 5V ECL Differential Receiver/Driver with High Gain	9.00	7.50	6.75	5.70
◆ 863-MC100EP16VAMNR4G	MC100EP16VAMNR4G	DFN 8	3.3V / 5V ECL Differential Receiver/Driver with High Gain	9.00	7.50	6.75	5.70
◆ 863-MC100EP16VTDG	MC100EP16VTDG	SOIC-8	3.3V / 5V ECL Diff Receiver/Driver with Variable Output Swing	8.78	7.97	6.48	5.76
◆ 863-MC100EP17DWG	MC100EP17DWG	SOIC-20W	3.3V / 5V ECL Quad Differential Driver/Receiver	14.70	13.59	13.55	12.99
◆ 863-MC100EP195FAG	MC100EP195FAG	QFP 32	3.3V ECL Programmable Delay Chip	16.35	14.96	11.29	10.90
◆ 863-MC100EP196FAG	MC100EP196FAG	QFP 32	3.3V ECL Programmable Delay Chip	13.76	12.98	9.00	8.91
◆ 863-MC100EP210SFAG	MC100EP210SFAG	QFP 32	2.5V 1:5 Dual Differential LVDS Clock Driver	16.25	15.78	14.65	14.08
◆ 863-MC100EP29DTG	MC100EP29DTG	TSSOP 20	BBG ECL DL DIFF DFF W/SET	15.40	14.43	12.79	12.28
◆ 863-MC100EP31DG	MC100EP31DG	SOIC-8	3.3V / 5V ECL D Flip-Flop with Set and Reset	7.72	7.32	6.92	6.40
◆ 863-MC100EP32DG	MC100EP32DG	SOIC-8	3.3V / 5V ECL ÷2 Divider	7.17	6.52	5.44	4.97
◆ 863-MC100EP33DG	MC100EP33DG	SOIC-8	3.3V / 5V ECL ÷4 Divider	7.17	6.52	5.44	4.65
◆ 863-MC100EP35MNR4G	MC100EP35MNR4G	DFN 8	3.3V /5V ECL JK Flip Flop	11.84	11.15	10.70	7.44
◆ 863-MC100EP446MNG	MC100EP446MNG	QFN-32	3.3V / 5V ECL 8-Bit Differential Parallel/Serial Converter	21.08	19.60	16.00	15.80
◆ 863-MC100EP446MNR4G	MC100EP446MNR4G	QFN-32	3.3V / 5V ECL 8-Bit Differential Parallel/Serial Converter	21.08	19.60	16.00	15.80
◆ 863-MC100EP51DG	MC100EP51DG	SOIC-8	3.3V / 5V ECL D Flip Flop with Reset and Differential Clock	7.72	7.32	6.92	6.40
◆ 863-MC100EP52DG	MC100EP52DG	SOIC-8	3.3V / 5V ECL Differential Data and Clock D Flip-Flop	6.95	6.59	6.23	5.76
◆ 863-MC100EP56DTG	MC100EP56DTG	TSSOP 20	3.3V / 5V ECL Dual Differential 2:1 Multiplexer	9.00	7.99	7.10	6.50
◆ 863-MC100EP57DTG	MC100EP57DTG	TSSOP 20	BBG ECL MLTIPLXR DIFF	11.25	10.46	8.01	7.28
◆ 863-MC100EP58DG	MC100EP58DG	SOIC-8	3.3V / 5V ECL 2:1 Multiplexer	6.95	6.59	6.23	5.76
◆ 863-MC100EP90DTG	MC100EP90DTG	TSSOP 20	BBG ECL TRPL ECL/PECL	15.40	14.43	12.79	12.28
◆ 863-MC100EPT20DG	MC100EPT20DG	SOIC-8	3.3V TTL/CMOS to Differential PECL Translator	9.20	8.40	6.64	5.20
◆ 863-MC100EPT20DTG	MC100EPT20DTG	TSSOP 8	3.3V TTL/CMOS to Differential PECL Translator	7.17	6.52	5.44	4.65
◆ 863-MC100EPT21DG	MC100EPT21DG	SOIC-8	3.3V Differential LVPECL to LVTTL Translator	7.17	6.52	5.44	5.10
◆ 863-MC100EPT21DTG	MC100EPT21DTG	TSSOP 8	3.3V Differential LVPECL to LVTTL Translator	7.17	6.52	5.44	4.65
◆ 863-MC100EPT22DG	MC100EPT22DG	SOIC-8	3.3V Dual LVTTL/LVCMOS to Differential LVPECL Translator	7.17	6.52	5.44	5.10
◆ 863-MC100EPT22DTG	MC100EPT22DTG	TSSOP 8	3.3V Dual LVTTL/LVCMOS to Differential LVPECL Translator	7.17	6.52	5.44	4.65
◆ 863-MC100EPT23DG	MC100EPT23DG	SOIC-8	3.3V Dual Differential LVPECL to LVTTL Translator	7.17	6.52	5.44	5.10
◆ 863-MC100EPT23DTG	MC100EPT23DTG	TSSOP 8	3.3V Dual Differential LVPECL to LVTTL Translator	7.17	6.52	5.44	4.65
◆ 863-MC100EPT24DG	MC100EPT24DG	SOIC-8	3.3V LVTTL/LVCMOS to Differential LVECL Translator	7.72	7.32	6.92	6.40
◆ 863-MC100EPT25DG	MC100EPT25DG	SOIC-8	Differential LVECL/ECL to LVTTL Translator	7.72	7.32	6.92	6.40
◆ 863-MC100EPT26DG	MC100EPT26DG	SOIC-8	1:2 Fanout Differential LVPECL to LVTTL Translator	7.72	7.32	6.92	6.40
◆ 863-MC100EPT26DTG	MC100EPT26DTG	TSSOP 8	1:2 Fanout Differential LVPECL to LVTTL Translator	12.00	10.00	6.35	5.99
◆ 863-MC100H600FNG	MC100H600FNG	PLCC-28	9-Bit TTL-ECL Translator	10.92	9.92	8.07	7.06
◆ 863-MC100H607FNG	MC100H607FNG	PLCC-28	BBG ECL TRNSLATR HEX	10.92	9.92	8.07	7.06
◆ 863-MC100H646FNG	MC100H646FNG	PLCC-28	PECL/TTL-TTL 1:8 Distribution Chip	10.92	9.92	8.07	7.06
◆ 863-MC100LVE111FNG	MC100LVE111FNG	PLCC-28	3.3V ECL 1:9 Differential Clock Driver	8.64	7.84	6.81	6.01
◆ 863-MC100LVE222FAG	MC100LVE222FAG	QFP 52	BBG ECL CLOCK DRVR DIFF	11.50	11.00	8.35	7.50
◆ 863-MC100LVE310FNG	MC100LVE310FNG	PLCC-28	3.3V ECL 2:8 Differential Fanout Buffer	10.25	8.20	7.38	6.15
◆ 863-MC100LVEL11DG	MC100LVEL11DG	SOIC-8	3.3V ECL 1:2 Differential Fanout Buffer	5.25	4.20	3.78	3.15
◆ 863-MC100LVEL14DWG	MC100LVEL14DWG	SOIC-20W	3.3V ECL 1:5 Clock Distribution Chip	8.78	7.97	6.48	5.76
◆ 863-MC100LVEL16DG	MC100LVEL16DG	SOIC-8	3.3V ECL Differential Receiver	4.99	4.15	3.40	2.80
◆ 863-MC100LVEL17DWG	MC100LVEL17DWG	SOIC-20W	3.3V ECL Quad Differential Receiver	10.72	9.92	7.60	6.40
◆ 863-MC100LVEL29DWG	MC100LVEL29DWG	SOIC-20W	3.3V ECL Dual Diffl Data and Clock D-Type Flip-Flop with Set and Reset	8.78	7.97	6.48	5.76
◆ 863-MC100LVEL30DWG	MC100LVEL30DWG	SOIC-20W	3.3V ECL Triple D-Type Flip-Flop with Set and Reset	11.50	11.00	8.35	7.50
◆ 863-MC100LVEL37DWG	MC100LVEL37DWG	SOIC-20W	3.3V ECL 1:4 ÷ 1/÷ 2 Clock Fanout Buffer	10.58	10.15	7.05	6.96
◆ 863-MC100LVEL38DWG	MC100LVEL38DWG	SOIC-20W	3.3V ECL ÷ 2, ÷ 4/6 Clock Generator Chip	9.13	7.30	6.05	5.48
◆ 863-MC100LVEL40DWG	MC100LVEL40DWG	SOIC-20W	3.3/5V ECL Differential Phase-Frequency Detector	12.60	11.89	8.24	8.14
◆ 863-MC100LVEL56DWG	MC100LVEL56DWG	SOIC-20W	3.3V ECL Dual Differential 2:1 Multiplexer	10.72	9.92	7.60	6.40

ON SEMICONDUCTOR Logic

RoHS Compliant This page of product is compliant.

ON Semiconductor® LOGIC (Cont.)

◆ Surface Mount

RoHS Compliant

MOUSER STOCK NO.	ON Semi Part No.	Package	Description	Price Each			
				1	25	100	500
◆ 863-MC100LVEL58DTG	MC100LVEL58DTG	TSSOP-8	3.3V ECL 2:1 Multiplexer	9.00	7.50	6.75	5.70
◆ 863-MC100LVEL90DWG	MC100LVEL90DWG	SOIC-20W	-3.3V/-5V Triple ECL Input to LVPECL Output Translator	8.78	7.97	6.48	5.76
◆ 863-MC100LVEL91DWG	MC100LVEL91DWG	SOIC-20W	3.3V/5V Triple LVPECL / PECL Input to -3.3V ECL Output Translator	8.78	7.97	6.48	5.76
◆ 863-MC100LVEL92DWG	MC100LVEL92DWG	SOIC-20W	5V Triple PECL Input to LVPECL Output Translator	8.78	7.97	6.48	5.76
◆ 863-MC100LVELT22DG	MC100LVELT22DG	SOIC-8	3.3V Dual LVTTL/LVCMOS to Differential LVPECL Translator	5.13	4.47	3.33	2.66
◆ 863-MC100LVELT22DTG	MC100LVELT22DTG	TSSOP-8	3.3V Dual LVTTL/LVCMOS to Differential LVPECL Translator	5.70	4.75	4.28	3.61
◆ 863-MC100LVELT23DG	MC100LVELT23DG	SOIC-8	3.3V Dual Differential LVPECL to LVTTL Translator	5.70	4.75	4.28	3.61
◆ 863-MC100LVEP111FAG	MC100LVEP111FAG	QFP-32	2.5V / 3.3V 1:10 Differential ECL/PECL/HSTL Clock Driver	11.50	11.00	8.35	7.50
◆ 863-MC100LVEP11DG	MC100LVEP11DG	SOIC-8	2.5V / 3.3V ECL 1:2 Differential Fanout Buffer	7.17	6.52	5.44	4.97
◆ 863-MC100LVEP14DTG	MC100LVEP14DTG	TSSOP-20	2.5V / 3.3V 1:5 Differential ECL/PECL/HSTL Clock Driver	9.00	7.99	7.10	6.24
◆ 863-MC100LVEP16DG	MC100LVEP16DG	SOIC-8	2.5V / 3.3V ECL Differential Receiver/Driver	6.95	6.59	6.23	5.76
◆ 863-MC100LVEP210FAG	MC100LVEP210FAG	QFP-32	2.5V / 3.3V 1:5 Dual Differential ECL/PECL/HSTL Clock Driver	11.50	11.00	8.35	7.50
◆ 863-MC100LVEP34DTG	MC100LVEP34DTG	TSSOP-16	2.5V / 3.3V ECL 2, 4, 8 Clock Generation Chip	16.50	16.10	12.18	11.45
◆ 863-MC10E016FNG	MC10E016FNG	PLCC-28	BBG ECL COUNTER 8BIT	9.00	7.99	7.10	6.50
◆ 863-MC10E111FNG	MC10E111FNG	PLCC-28	5V ECL 1:9 Differential Clock Driver	8.59	7.84	6.81	6.01
◆ 863-MC10E131FNG	MC10E131FNG	PLCC-28	BBG ECL FLIP FLOP 4BIT	10.00	9.25	8.47	7.86
◆ 863-MC10E137FNG	MC10E137FNG	PLCC-28	5V ECL 8-Bit Ripple Counter	10.58	10.15	7.05	6.96
◆ 863-MC10E141FNG	MC10E141FNG	PLCC-28	5V ECL 8-Bit Shift Register	9.15	8.24	7.30	6.86
◆ 863-MC10E151FNG	MC10E151FNG	PLCC-28	5V ECL 6-Bit D Register	10.58	10.15	7.05	6.96
◆ 863-MC10E167FNG	MC10E167FNG	PLCC-28	BBG ECL FLIP FLOP 6BIT	10.58	10.15	7.05	6.96
◆ 863-MC10E431FNG	MC10E431FNG	PLCC-28	BBG ECL FLIP FLOP 3BIT	10.58	10.15	7.05	6.96
◆ 863-MC10EL01DG	MC10EL01DG	SOIC-8	5V ECL 4-Input OR/NOR	7.50	6.25	5.63	4.75
◆ 863-MC10EL11DG	MC10EL11DG	SOIC-8	5V ECL 1:2 Differential Fanout Buffer	5.25	4.20	3.78	3.15
◆ 863-MC10EL15DG	MC10EL15DG	SOIC-16	5V ECL 1:4 Clock Distribution Chip	4.66	4.23	3.68	3.24
◆ 863-MC10EL16DG	MC10EL16DG	SOIC-8	5V ECL Differential Receiver	6.00	5.00	3.50	3.39
◆ 863-MC10EL31DG	MC10EL31DG	SOIC-8	5V ECL D-Type Flip-Flop with Set and Reset	8.25	6.88	6.19	5.23
◆ 863-MC10EL34DG	MC10EL34DG	SOIC-16	5V ECL Divide by 2, Divide by 4, Divide by 8 Clock Generation Chip	6.48	6.02	4.86	4.32
◆ 863-MC10EL57DG	MC10EL57DG	SOIC-16	5V ECL 4:1 Differential Multiplexer	7.32	6.76	5.22	4.55
◆ 863-MC10EL89DG	MC10EL89DG	SOIC-8	5V ECL Coaxial Cable Driver	8.25	6.88	6.19	5.23
◆ 863-MC10ELT20DG	MC10ELT20DG	SOIC-8	BBG ECL TRNSLATR DIFF	5.70	4.75	3.32	3.21
◆ 863-MC10ELT21DG	MC10ELT21DG	SOIC-8	5 VDifferential PECL to TTL Translator	5.70	4.75	4.28	3.61
◆ 863-MC10ELT21DTG	MC10ELT21DTG	TSSOP-8	BBG ECL TRNSLATR DIFF	5.70	4.75	4.28	3.61
◆ 863-MC10ELT22DG	MC10ELT22DG	SOIC-8	BBG ECL TRNSLATR DIFF	5.70	4.75	4.28	3.61
◆ 863-MC10ELT24DG	MC10ELT24DG	SOIC-8	BBG ECL TRNSLATR DIFF	5.70	4.75	4.28	3.61
◆ 863-MC10ELT25DG	MC10ELT25DG	SOIC-8	5 VDifferential ECL to TTL Translator	5.70	4.75	4.28	3.61
◆ 863-MC10EP01DG	MC10EP01DG	SOIC-8	3.3V / 5V ECL 4-Input OR/NOR	7.07	6.43	5.36	4.58
◆ 863-MC10EP05DG	MC10EP05DG	SOIC-8	3.3V / 5V 2-Input Differential AND/NAND	7.07	6.43	5.36	4.58
◆ 863-MC10EP08DG	MC10EP08DG	SOIC-8	3.3V / 5V Differential 2-Input XOR/XNOR	7.07	6.43	5.36	4.58
◆ 863-MC10EP11DG	MC10EP11DG	SOIC-8	3.3V / 5V 1:2 Differential Fanout Buffer	6.17	5.62	4.69	4.00
◆ 863-MC10EP139DWG	MC10EP139DWG	SOIC-20W	3.3V / 5V ECL ÷2/4, ÷4/5/6 Clock Generation Chip	15.92	15.25	14.27	13.20
◆ 863-MC10EP16DG	MC10EP16DG	SOIC-8	3.3V / 5V ECL Differential Receiver/Driver	8.10	6.75	6.08	5.13
◆ 863-MC10EP16DTG	MC10EP16DTG	TSSOP-8	3.3V / 5V ECL Differential Receiver/Driver	8.10	6.75	6.08	5.13
◆ 863-MC10EP16TDG	MC10EP16TDG	SOIC-8	3.3V / 5V ECL Differential Receiver/Driver with Internal Termination	8.78	7.97	6.48	5.76
◆ 863-MC10EP16VAMNR4G	MC10EP16VAMNR4G	DFN-8	3.3V / 5V Diff Receiver/Driver with High-Gain	9.00	7.50	6.75	5.70
◆ 863-MC10EP17DWG	MC10EP17DWG	SOIC-20W	3.3V / 5V ECL Quad Differential Driver/Receiver	15.73	14.91	14.10	13.04
◆ 863-MC10EP31DG	MC10EP31DG	SOIC-8	3.3V / 5V ECL D Flip-Flop with Set and Reset	7.96	7.24	6.04	5.16
◆ 863-MC10EP32DG	MC10EP32DG	SOIC-8	3.3V / 5V ECL ÷2 Divider	7.17	6.52	5.44	4.65
◆ 863-MC10EP33DG	MC10EP33DG	SOIC-8	3.3V / 5V ECL Divide By 4 Divider	7.17	6.52	5.44	4.65
◆ 863-MC10EP51DG	MC10EP51DG	SOIC-8	3.3V / 5V ECL D Flip Flop with Reset and Differential Clock	7.17	6.52	5.44	4.65
◆ 863-MC10EP52DG	MC10EP52DG	SOIC-8	3.3V / 5V ECL Differential Data and Clock D Flip Flop	7.17	6.52	5.44	4.65
◆ 863-MC10EP56DTG	MC10EP56DTG	TSSOP-20	BBG ECL MLTIPLXR DIFF	11.50	11.00	8.35	7.50
◆ 863-MC10EP57DTG	MC10EP57DTG	TSSOP-20	BBG ECL MLTIPLXR DIFF	11.48	10.89	8.33	7.56
◆ 863-MC10EP58DG	MC10EP58DG	SOIC-8	3.3V / 5V ECL 2:1 Multiplexer	7.17	6.52	5.44	4.65
◆ 863-MC10EP89DG	MC10EP89DG	SOIC-8	3.3V / 5V ECL Coaxial Cable Driver	7.17	6.52	5.44	4.65
◆ 863-MC10EPT20DG	MC10EPT20DG	SOIC-8	3.3V TTL/CMOS to Diff PECL Translator	7.17	6.52	5.44	4.65
863-MC10H101PG	MC10H101PG	PDIP-16	BBG ECL GATE OR/NOR QUAD	3.10	2.82	2.45	2.04
◆ 863-MC10H102FNG	MC10H102FNG	PLCC-20	BBG ECL GATE NOR QUAD	5.28	4.40	3.08	2.94
◆ 863-MC10H103FNG	MC10H103FNG	PLCC-20	BBG ECL GATE OR QUAD	5.28	4.40	3.08	2.94
◆ 863-MC10H115FNG	MC10H115FNG	PLCC-20	BBG ECL RCVR QUAD LINE	5.28	4.40	3.08	2.94
◆ 863-MC10H116DG	MC10H116DG	SOIC-16	Triple Line Receiver	5.82	4.85	4.37	3.69
◆ 863-MC10H116FNG	MC10H116FNG	PLCC-20	BBG ECL RCVR LINE TRPL	5.28	4.40	3.96	3.34
◆ 863-MC10H121FNG	MC10H121FNG	PLCC-20	4-Wide OR-AND/OR-ANDbar Gate	5.28	4.40	3.96	3.34
◆ 863-MC10H123FNG	MC10H123FNG	PLCC-20	BBG ECL BUS INTRFCE TRPL	6.18	5.15	3.60	3.49
◆ 863-MC10H124FNG	MC10H124FNG	PLLC-20	Quad TTL to ECL Translator	9.12	7.60	6.84	5.78
863-MC10H124PG	MC10H124PG	PDIP-16	Quad TTL to ECL Translator	8.37	6.98	4.63	4.56
◆ 863-MC10H125FNG	MC10H125FNG	PLLC-20	Quad MECL to TTL	9.12	7.60	6.84	5.78
863-MC10H125PG	MC10H125PG	PDIP-16	BBG ECL TRNSLATR QUAD	8.37	6.98	6.28	5.30
◆ 863-MC10H131PG	MC10H131PG	PLCC-20	BBG ECL FLIP FLOP DUAL	8.37	6.98	6.28	5.30
863-MC10H136PG	MC10H136PG	PDIP-16	Universal Hexadecimal Counter	25.80	23.01	20.80	20.10
◆ 863-MC10H176FNG	MC10H176FNG	PLCC-20	BBG ECL FLIP FLOP HEX D	9.00	7.99	6.60	6.40
◆ 863-MC10H350FNG	MC10H350FNG	PLCC-20	PECL To TTL Translator	14.48	13.73	12.98	12.50
◆ 863-MC10H351FNG	MC10H351FNG	PLCC-20	TTL, NMOS To PECL Trans	14.48	13.73	12.98	12.50
◆ 863-MC10H600FNG	MC10H600FNG	PLCC-28	BBG ECL TRNSLATR 9BIT	10.92	9.92	8.07	7.06
◆ 863-MC10H601FNG	MC10H601FNG	PLCC-28	BBG ECL TRNSLATR 9BIT	10.92	9.92	8.07	7.06
◆ 863-MC10H602FNG	MC10H602FNG	PLCC-28	BBG ECL TRNSLATR 9BIT	10.92	9.92	8.07	7.06
◆ 863-MC10H604FNG	MC10H604FNG	PLCC-28	BBG ECL TRNSLATR HEX	19.03	18.04	17.06	15.78
◆ 863-MC10H641FNG	MC10H641FNG	PLCC-29	1:9 Clock Driver	10.92	9.92	8.07	7.06
◆ 863-MC10LVEP11DG	MC10LVEP11DG	SOIC-9	2.5V / 3.3V ECL 1:2 Differential Fanout Buffer	6.20	5.68	4.53	4.13
◆ 863-MC10LVEP16DG	MC10LVEP16DG	SOIC-8	2.5V / 3.3V ECL Differential Receiver/Driver	7.20	6.59	5.26	4.75
◆ 863-MC10SX1189DG	MC10SX1189DG	SOIC-16	Fibre Channel Coaxial Cable Driver and Loop Resiliency Circuit	7.82	7.41	7.01	6.48
◆ 863-MC12026ADG	MC12026ADG	SOIC-8	1.1 GHz Dual Modulus Prescaler	4.34	3.67	2.70	2.44
◆ 863-MC12080DG	MC12080DG	SOIC-8	1.1 GHz Prescaler	4.34	3.67	2.70	2.44
◆ 863-MC12093DG	MC12093DG	SOIC-8	÷2, ÷4, ÷8 1.1 GHz Low Power Prescaler	4.34	3.67	2.70	2.44
◆ 863-MC12093MNR4G	MC12093MNR4G	DFN-8	÷2, ÷4, ÷8 1.1 GHz Low Power Prescaler with Stand-By Mode	5.70	4.75	4.28	3.61
◆ 863-MC12095DG	MC12095DG	SOIC-8	2.5 GHz Low Power Prescaler	4.34	3.67	2.70	2.44
◆ 863-MC14001BDG	MC14001BDG	SOIC-14	Quad 2-Input NOR Gate	.25	.21	.19	.16
◆ 863-MC14011BDG	MC14011BDG	SOIC-14	Quad 2-Input NAND Gate	.25	.21	.19	.16
◆ 863-MC14013BDG	MC14013BDG	SOIC-14	Dual D-Type Flip-Flop	.27	.23	.21	.17

ON SEMICONDUCTOR Logic

ON Semiconductor®

ON Semiconductor® **LOGIC**

RoHS Compliant **This page of product is compliant.**

◆ Surface Mount

RoHS Compliant

MOUSER STOCK NO.	ON Semi Part No.	Package	Description	Price Each			
				1	25	100	500
◆ 863-MC14014BDR2G	MC14014BDR2G	SOIC-16	8-Bit Static S/R	.39	.33	.29	.25
863-MC14015BCPG	MC14015BCPG	PDIP-16	Dual 4-Bit Static Shift Register	.46	.39	.35	.29
◆ 863-MC14017BDG	MC14017BDG	SOIC-16	Decade Counter/Divider	.39	.33	.29	.25
863-MC14020BCPG	MC14020BCPG	PDIP-16	14-Bit Binary Counter	.57	.47	.43	.35
863-MC14021BCPG	MC14021BCPG	PDIP-16	8-Bit Static Shift Register	.43	.36	.32	.27
863-MC14023BCPG	MC14023BCPG	PDIP-14	Triple 3-Input NAND Gate	.39	.33	.29	.25
863-MC14024BCPG	MC14024BCPG	PDIP-14	7-Segment Ripple Counter	.44	.37	.33	.28
863-MC14040BCPG	MC14040BCPG	PDIP-16	12-Bit Binary Counter	.57	.47	.43	.35
◆ 863-MC14040BDR2G	MC14040BDR2G	SOIC 16	12-Bit Binary Counter	.36	.30	.27	.23
863-MC14043BCPG	MC14043BCPG	PDIP-16	Quad R-S Latches	.50	.42	.37	.31
◆ 863-MC14044BDG	MC14044BDG	SOIC-16	Quad R-S Latches	.34	.28	.25	.21
863-MC14046BCPG	MC14046BCPG	PDIP-16	Phase Locked Loop	.53	.45	.40	.33
863-MC14049BCPG	MC14049BCPG	PDIP-16	Hex Buffer	.43	.36	.32	.27
863-MC14049UBCPG	MC14049UBCPG	PDIP-16	Hex Buffer	.46	.39	.35	.29
◆ 863-MC14049UBDR2G	MC14049UBDR2G	SOIC 16	Hex Buffer	.32	.27	.24	.20
863-MC14050BCPG	MC14050BCPG	PDIP-16	Hex Buffer	.43	.36	.32	.27
863-MC14060BCPG	MC14060BCPG	PDIP-16	14-Stage Binary Counter/Oscillator	.54	.45	.40	.34
◆ 863-MC14060BDR2G	MC14060BDR2G	TSSOP 16	14-Stage Binary Counter/Oscillator	.36	.30	.27	.23
863-MC14069UBCPG	MC14069UBCPG	PDIP-14	Hex Inverter	.36	.30	.27	.23
863-MC14070BCPG	MC14070BCPG	PDIP-14	Quad XOR Gate	.41	.34	.31	.26
863-MC14071BCPG	MC14071BCPG	PDIP-14	Quad 2-Input OR Gate	.36	.30	.27	.23
◆ 863-MC14071BDR2G	MC14071BDR2G	SOIC 14	LOG CMOS GATE OR QUAD	.27	.23	.21	.17
863-MC14081BCPG	MC14081BCPG	PDIP-14	Quad 2-Input AND Gate	.36	.30	.27	.23
◆ 863-MC14082BCPG	MC14082BCPG	PDIP-14	Dual 4-Input AND Gate	.36	.30	.27	.23
◆ 863-MC14093BDG	MC14093BDG	SOIC-14	Quad 2-Input NAND Schmitt Trigger	.29	.24	.22	.19
◆ 863-MC14094BDG	MC14094BDG	SOIC-16	8-Bit Shift/Store Register with Three-State Outputs	.32	.27	.24	.20
863-MC14106BCPG	MC14106BCPG	PDIP-14	Hex Schmitt Trigger	.41	.34	.31	.26
◆ 863-MC14106BDG	MC14106BDG	SOIC-14	Hex Schmitt Trigger	.28	.24	.21	.18
◆ 863-MC1413BDR2G	MC1413BDR2G	SOIC 16	High Voltage, High Current Darlington Transistor Arrays	.60	.48	.42	.39
863-MC14174BCPG	MC14174BCPG	PDIP-16	Hex D-Type Flip-Flop	.44	.37	.33	.28
◆ 863-MC14490DWG	MC14490DWG	SO-16 WB	Hex Bounce Eliminator	6.25	5.44	4.05	3.24
863-MC14490PG	MC14490PG	PDIP-16	Hex Bounce Eliminator	6.94	5.78	5.09	4.40
863-MC14504BCPG	MC14504BCPG	PDIP-16	Hex Level Shifter	.71	.59	.53	.45
◆ 863-MC14504BDG	MC14504BDG	SOIC-16	Hex Level Shifter	1.07	.89	.80	.68
863-MC14511BCPG	MC14511BCPG	PDIP-16	BCD-to-7 Segment Latch/Decoder/Driver	.57	.47	.43	.36
◆ 863-MC14511BDG	MC14511BDG	SOIC-16	BCD-to-7 Segment Latch/Decoder/Driver	.39	.33	.29	.25
863-MC14512BCPG	MC14512BCPG	PDIP-16	8-Channel Data Selector	.54	.45	.40	.34
863-MC14517BCPG	MC14517BCPG	PDIP-16	Dual 64-Bit Static Shift Register	1.89	1.57	1.41	1.19
◆ 863-MC14517BDWG	MC14517BDWG	SOIC-16W	Dual 64-Bit Static Shift Register	1.78	1.48	1.33	1.13
863-MC14518BCPG	MC14518BCPG	PDIP-16	Dual BCD Up Counter	.79	.65	.59	.50
863-MC14520BCPG	MC14520BCPG	PDIP-16	Dual BCD Up Counter	.79	.65	.59	.50
863-MC14521BCPG	MC14521BCPG	PDIP-16	24-Stage Frequency Divider	.71	.59	.53	.45
863-MC14526BCPG	MC14526BCPG	PDIP-16	Presettable 4-Bit Down Counters	.75	.62	.56	.47
863-MC14528BCPG	MC14528BCPG	PDIP-16	Dual Monostable Multivibrator	.64	.53	.48	.41
863-MC14532BCPG	MC14532BCPG	PDIP-16	8-Bit Priority Encoder	.71	.59	.53	.45
◆ 863-MC14532BDG	MC14532BDG	SOIC-16	8-Bit Priority Encoder	.64	.53	.48	.41
863-MC14536BCPG	MC14536BCPG	PDIP-16	Programmable Timer	.78	.65	.59	.50
863-MC14538BCPG	MC14538BCPG	PDIP-16	Dual Precision Monostable Multivibrator	.57	.47	.43	.36
◆ 863-MC14538BDG	MC14538BDG	SOIC-16	Dual Precision Monostable Multivibrator	.46	.39	.35	.29
◆ 863-MC14538BDWR2G	MC14538BDWR2G	SO-16	Dual Precision Monostable Multivibrator	.65	.54	.48	.41
863-MC14541BCPG	MC14541BCPG	PDIP-14	Programmable Oscillator-Timer	.44	.37	.33	.28
◆ 863-MC14541BDG	MC14541BDG	SOIC-14	Programmable Oscillator-Timer	.30	.25	.23	.19
863-MC14543BCPG	MC14543BCPG	PDIP-16	BCD-to-7 Segment Latch/Decoder/Driver for Liquid Crystals	.53	.45	.40	.33
◆ 863-MC14543BDG	MC14543BDG	SOIC-16	BCD-to-7 Segment Latch/Decoder/Driver for Liquid Crystals	.36	.30	.27	.23
863-MC14553BCPG	MC14553BCPG	PDIP-16	3-Digit BCD Counter	2.31	1.93	1.62	1.47
863-MC14557BCPG	MC14557BCPG	PDIP-16	1 To 64 Bit Variable Length Shift Register	1.21	1.01	.91	.77
863-MC14569BCPG	MC14569BCPG	PDIP-16	Programmable Divide-By-N Dual 4-Bit Binary/BCD Down Counter	3.03	2.53	2.27	1.92
863-MC14584BCPG	MC14584BCPG	PDIP-14	Hex Schmitt Trigger	.43	.36	.32	.27
◆ 863-MC14584BDG	MC14584BDG	SOIC-14	Hex Schmitt Trigger	.34	.28	.25	.21
◆ 863-MC14584BFELG	MC14584BFELG	SOEIAJ-14	Hex Schmitt Trigger	.46	.39	.35	.29
◆ 863-MC1488DR2G	MC1488DR2G	SOIC 14	Quad Line EIA-232D Driver	.85	.68	.61	.54
◆ 863-MC74AC00DR2G	MC74AC00DR2G	SOIC 14	Quad 2-Input NAND Gate	.27	.23	.21	.17
◆ 863-MC74AC04DR2G	MC74AC04DR2G	SOIC 14	Hex Inverter	.27	.23	.21	.17
◆ 863-MC74AC138DG	MC74AC138DG	SOIC-16	1-of-8 Decoder/Demultiplexer	.38	.32	.29	.24
◆ 863-MC74AC14DG	MC74AC14DG	SOIC-14	Hex Inverter Schmitt Trigger	.43	.36	.33	.28
◆ 863-MC74AC74DR2G	MC74AC74DR2G	SOIC-14	Dual D-Type Positive Edge Trigger	.30	.25	.22	.19
◆ 863-MC74ACT04DG	MC74ACT04DG	SOIC-14	Hex Inverter	.27	.23	.21	.17
◆ 863-MC74ACT125DR2G	MC74ACT125DR2G	SOIC 14	Quad Buffer with 3-State Outputs	.30	.25	.23	.19
◆ 863-MC74ACT14DG	MC74ACT14DG	SOIC-14	Hex Inverter Schmitt Trigger	.43	.36	.33	.28
◆ 863-MC74ACT14DR2G	MC74ACT14DR2G	SOIC 14	Hex Inverter Schmitt Trigger	.43	.36	.33	.28
◆ 863-MC74ACT273DWG	MC74ACT273DWG	SOIC-20W	Octal D-Type Flip-Flop	.51	.43	.38	.32
◆ 863-MC74ACT541DWG	MC74ACT541DWG	SOIC-20W	Octal Buffer/Line Driver with 3-State Outputs	.59	.48	.44	.37
◆ 863-MC74ACT541DWR2G	MC74ACT541DWR2G	SOIC-20	Octal Buffer/Line Driver with 3-State Outputs	.59	.49	.44	.37
863-MC74ACT640NG	MC74ACT640NG	PDIP-20	Octal 3-State Inverting Transceiver	2.10	1.75	1.58	1.33
◆ 863-MC74ACT74DG	MC74ACT74DG	SOIC-14	Dual D-Type Positive Edge Trigger	.30	.25	.22	.19
◆ 863-MC74HC00ADG	MC74HC00ADG	SOIC-14	Quad 2-Input NAND Gate	.25	.21	.19	.16
◆ 863-MC74HC02ADG	MC74HC02ADG	SOIC-14	Quad 2-Input NOR Gate	.25	.21	.19	.16
◆ 863-MC74HC04ADG	MC74HC04ADG	SOIC-14	Hex Inverter	.25	.21	.19	.16
◆ 863-MC74HC08ADG	MC74HC08ADG	SOIC-14	Quad 2-Input AND Gate, Pb-free	.25	.21	.19	.16
863-MC74HC08ANG	MC74HC08ANG	PDIP-14	Quad 2-Input AND Gate, Pb-free	.37	.31	.28	.24
◆ 863-MC74HC125ADG	MC74HC125ADG	SOIC-14	Quad Noninverting Buffer, 3 State	.33	.28	.25	.21
◆ 863-MC74HC125ADR2G	MC74HC125ADR2G	SOIC 14	Quad Noninverting Buffer, 3 State	.33	.28	.25	.21
◆ 863-MC74HC132ADG	MC74HC132ADG	SOIC-14	Quad 2-Input NAND Schmitt Trigger	.33	.28	.25	.21
863-MC74HC132ANG	MC74HC132ANG	PDIP-14	Quad 2-Input NAND Schmitt Trigger	.43	.36	.32	.27
◆ 863-MC74HC138ADG	MC74HC138ADG	SOIC-16	1-of-8 Decoder/Demultiplexer	.31	.26	.23	.20
863-MC74HC138ANG	MC74HC138ANG	PDIP-16	1-of-8 Decoder/Demultiplexer	.46	.39	.35	.29
863-MC74HC139ANG	MC74HC139ANG	PDIP-16	Dual 1-of-4 Decoder / Demultiplexer	.60	.43	.34	.31
◆ 863-MC74HC14ADG	MC74HC14ADG	SOIC-14	Hex Schmitt-Trigger Inverter	.31	.26	.23	.20
◆ 863-MC74HC14ADR2G	MC74HC14ADR2G	SOIC 14	Hex Schmitt-Trigger Inverter	.31	.26	.23	.20
863-MC74HC14ANG	MC74HC14ANG	PDIP-14	Hex Schmitt-Trigger Inverter	.41	.34	.31	.26
◆ 863-MC74HC157ADG	MC74HC157ADG	SOIC-16	Data Selector/Multiplexer 2-Input Q	.46	.33	.26	.23

ON Semiconductor®

LOGIC (Cont.)

RoHS Compliant This page of product is compliant.

NEW PRODUCT

◆ Surface Mount

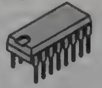
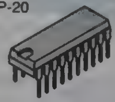
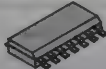
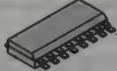
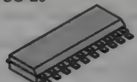
RoHS Compliant

MOUSER STOCK NO.	ON Semi Part No.	Package	Description	Price Each			
				1	25	100	500
◆ 863-MC74HC165ADG	MC74HC165ADG	SOIC-16	8-Bit Serial or Parallel-Input/Serial Output Shift Register	.41	.34	.31	.26
863-MC74HC165ANG	MC74HC165ANG	PDIP-16	8-Bit Serial or Parallel-Input/Serial Output Shift Register	.46	.39	.35	.29
◆ 863-MC74HC244ADWG	MC74HC244ADWG	SOIC-20W	Octal 3-State Non-Inverting Buffer/Line Driver/Line Receiver	.63	.53	.47	.40
863-MC74HC244ANG	MC74HC244ANG	PDIP-20	Octal 3-State Non-Inverting Buffer/Line Driver/Line Receiver	.77	.64	.57	.48
◆ 863-MC74HC245ADWG	MC74HC245ADWG	SOIC-20W	Octal 3-State Non-Inverting Bus/Transceiver	.63	.53	.47	.40
863-MC74HC245ANG	MC74HC245ANG	PDIP-20	Octal 3-State Non-Inverting Bus/Transceiver	.77	.64	.57	.48
◆ 863-MC74HC273ADWG	MC74HC273ADWG	SOIC-20W	Octal D-Type Flip-Flop	.63	.53	.47	.40
863-MC74HC273ANG	MC74HC273ANG	PDIP-20	Octal D-Type Flip-Flop	.77	.64	.57	.48
◆ 863-MC74HC32ADG	MC74HC32ADG	SOIC-14	Quad OR Gate	.25	.21	.19	.16
◆ 863-MC74HC32ADR2G	MC74HC32ADR2G	SOIC 14	Quad OR Gate	.25	.21	.19	.16
863-MC74HC32ANG	MC74HC32ANG	PDIP-14	Quad OR Gate	.37	.31	.28	.24
◆ 863-MC74HC373ADWG	MC74HC373ADWG	SOIC-20W	Oct 3-State Non-Inv Trans Latch	.63	.53	.47	.40
863-MC74HC373ANG	MC74HC373ANG	PDIP-20	Oct 3-State Non-Inv Trans Latch	.77	.64	.57	.48
◆ 863-MC74HC374ADWG	MC74HC374ADWG	SOIC-20W	Octal D-Type Flip-Flop	.63	.53	.47	.40
863-MC74HC4040ANG	MC74HC4040ANG	PDIP-16	Monolithic WFR, Binary Counter	.48	.40	.36	.30
◆ 863-MC74HC4046ADG	MC74HC4046ADG	SOIC-16	Phase Locked Loop	.43	.36	.32	.27
◆ 863-MC74HC4046ADR2G	MC74HC4046ADR2G	SOIC 16	Phase Locked Loop	.43	.36	.32	.27
◆ 863-MC74HC4051ADTR2G	MC74HC4051ADTR2G	TSSOP-16	Analog Multiplexers/Demultiplexers	.63	.50	.41	.39
◆ 863-MC74HC4051ADWR2G	MC74HC4051ADWR2G	SO-16	Analog Multiplexers/Demultiplexers	.50	.40	.36	.32
◆ 863-MC74HC4052ADTR2G	MC74HC4052ADTR2G	TSSOP-16	Analog Multiplexers/Demultiplexers	.63	.50	.45	.40
◆ 863-MC74HC4053ADR2G	MC74HC4053ADR2G	SO-16	Analog Multiplexers/Demultiplexers	.63	.50	.45	.40
◆ 863-MC74HC4538ADG	MC74HC4538ADG	SOIC-16	Dual Precision Monostable Multivibrator	.43	.36	.32	.27
◆ 863-MC74HC4538ADR2G	MC74HC4538ADR2G	SOIC 16	Dual Precision Monostable Multivibrator	.43	.36	.32	.27
863-MC74HC4538ANG	MC74HC4538ANG	PDIP-16	Dual Precision Monostable Multivibrator	.55	.46	.41	.35
◆ 863-MC74HC541ADWG	MC74HC541ADWG	SOIC-20W	Octal 3-State Noninverting Buffer/Line Driver/Line Receiver	.57	.47	.43	.36
863-MC74HC541ANG	MC74HC541ANG	PDIP-20	Octal 3-State Noninverting Buffer/Line Driver/Line Receiver	.77	.64	.57	.48
◆ 863-MC74HC573ADWG	MC74HC573ADWG	SOIC-20W	Oct 3-State Non-Inv Trans Latch	.63	.53	.47	.40
◆ 863-MC74HC573ADWR2G	MC74HC573ADWR2G	SOIC 20	Octal 3-State Non-Inverting Transparent Latch	.63	.53	.47	.40
863-MC74HC573ANG	MC74HC573ANG	PDIP-20	Oct 3-State Non-Inv Trans Latch	.77	.64	.57	.48
◆ 863-MC74HC574ADWG	MC74HC574ADWG	SOIC-20W	Octal D-Type 3-State NoniSnverting Flip-Flop	.63	.53	.47	.40
◆ 863-MC74HC574ADWR2G	MC74HC574ADWR2G	SOIC-20	Octal D-Type 3-State Noninverting Flip-Flop	.63	.53	.47	.40
863-MC74HC574ANG	MC74HC574ANG	PDIP-20	Octal D-Type 3-State Noninverting Flip-Flop	.77	.64	.57	.48
◆ 863-MC74HC589ADG	MC74HC589ADG	SOIC-16	8/Bit Shift Register	.35	.29	.26	.22
863-MC74HC589ANG	MC74HC589ANG	PDIP-16	8/Bit Shift Register	.62	.51	.46	.39
◆ 863-MC74HC595ADG	MC74HC595ADG	SOIC-16	Shift Register 3-State	.43	.36	.32	.27
◆ 863-MC74HC595ADTR2G	MC74HC595ADTR2G	TSS16-16	Shift Register 3-State	.39	.33	.29	.25
863-MC74HC595ANG	MC74HC595ANG	PDIP-16	Shift Register 3-State	.53	.45	.40	.33
◆ 863-MC74HC74ADG	MC74HC74ADG	SOIC-14	Dual D-Type Flip-Flop with Set and Reset	.31	.26	.23	.20
863-MC74HC74ANG	MC74HC74ANG	PDIP-14	Dual D-Type Flip-Flop with Set and Reset	.41	.34	.31	.26
◆ 863-MC74HCT14ADG	MC74HCT14ADG	SOIC-14	Hex Schmitt-Trigger Inverter	.31	.26	.23	.20
◆ 863-MC74HCT244ADTR2G	MC74HCT244ADTR2G	TSSOP 20	Octal 3-State Noninverting Buffer/Line Driver/Line Receiver, TTL Level	.43	.36	.32	.27
◆ 863-MC74HCT245ADWG	MC74HCT245ADWG	SOIC-20W	Octal 3-State Non-Inverting Transceiver	.63	.53	.47	.40
863-MC74HCT245ANG	MC74HCT245ANG	PDIP-20	Octal 3-State Non-Inverting Transceiver	.77	.64	.57	.48
◆ 863-MC74LCX16244DTG	MC74LCX16244DTG	TSSOP-48	Low-Voltage CMOS 16-Bit Buffer, Pb-free	1.03	.86	.77	.65
◆ 863-MC74LCX16245DTG	MC74LCX16245DTG	TSSOP-48	Low-Voltage CMOS 16-Bit Transceiver	1.03	.86	.77	.65
◆ 863-MC74LCX16374DTG	MC74LCX16374DTG	TSSOP-48	Low-Voltage CMOS 16-Bit D-Type Flip-Flop	1.03	.86	.77	.65
◆ 863-MC74LCX244DTR2G	MC74LCX244DTR2G	TSSOP 20	Low Voltage Octal Noninverting Buffer, 3 State	.32	.26	.24	.20
◆ 863-MC74LCX245DTG	MC74LCX245DTG	TSSOP-20	Low-Voltage CMOS Octal Transceiver	.32	.26	.24	.20
◆ 863-MC74LVX4245DTG	MC74LVX4245DTG	TSSOP-24	Dual Supply Octal Translating Transceiver	1.53	1.28	1.15	.97
◆ 863-MC74VHCT574ADTG	MC74VHCT574ADTG	TSSOP-20	Octal D-Type Flip-Flop with 3-State Outputs	.36	.30	.27	.23
◆ 863-MCH12140DG	MCH12140DG	SOIC-8	Phase Frequency Detector	9.00	7.99	6.75	6.00
◆ 863-MCK12140DG	MCK12140DG	SOIC-8	Phase Frequency Detector	9.00	7.99	7.10	6.50
◆ 863-MGSF1N03LT1G	MGSF1N03LT1G	SOT-23	Power MOSFET 30 V, 2.1 A, Single N-Channel, SOT-23	.39	.33	.28	.21
◆ 863-MMBF2201NT1G	MMBF2201NT1G	SC-70	Power MOSFET 300 mAmps, 20 Volts	.22	.19	.16	.13
◆ 863-MMSF3P02HDR2G	MMSF3P02HDR2G	SOIC-8	Power MOSFET 3 Amps, 20 Volts	1.12	.90	.73	.63
◆ 863-MTB50P03HDLT4G	MTB50P03HDLT4G	D2PAK 3	Power MOSFET 50 Amps, 30 Volts, Logic Level	3.25	2.32	2.16	2.03
◆ 863-MTD5P06VT4G	MTD5P06VT4G	DPAK 4	Power MOSFET 5 Amps, 60 Volts	.66	.55	.50	.41
◆ 863-MTD6N20ET4G	MTD6N20ET4G	DPAK 4	Power MOSFET 6 Amps, 200 Volts	1.39	1.35	1.13	.75
◆ 863-MTP23P06VG	MTP23P06VG	TO-220 3	Power MOSFET 23 Amps, 60 Volts	1.75	1.51	1.32	1.24
◆ 863-MTP2P50EG	MTP2P50EG	TO-220 3	Power MOSFET 2 Amps, 500 Volts	2.50	2.15	1.89	1.78
◆ 863-MTP50P03HDLG	MTP50P03HDLG	TO-220 3	Power MOSFET 50 Amps, 30 Volts P Channel TO-220AB	4.20	3.60	3.00	2.40
◆ 863-NB100LVEP91DWG	NB100LVEP91DWG	SOIC-20W	2.5V / 3.3V NECL Output Translator	18.76	17.80	16.87	15.77
◆ 863-NB6L11DG	NB6L11DG	SOIC-8	6GHz 2.5V/3.3V LVNECL/LVPECL 1:2 Clock	9.00	7.99	7.10	6.50
◆ 863-NB6L11DTG	NB6L11DTG	TSSOP 8	6GHz 2.5V/3.3V Multilevel Input to Differential LVNECL/LVPECL 1:2 Clock or Data Fanout Buffer/Translator	9.00	7.99	7.10	6.50
◆ 863-NB6L16DG	NB6L16DG	SOIC-8	6GHz/6Gbps 2.5V/3.3V Diff LVECL	9.00	7.99	7.10	6.50
◆ 863-NB6L16DTG	NB6L16DTG	TSSOP-8	6GHz/6Gbps 2.5V/3.3V Diff LVECL	9.00	7.99	7.10	6.50
◆ 863-NB6L239MNG	NB6L239MNG	QFN 16	2.5 V / 3.3 V Any Differential Clock IN to Differential LVPECL OUT Dual Bank Divide by 1/2/4/8 and 2/4/8/16	9.85	9.14	7.39	6.57
◆ 863-NBSG53AMNG	NBSG53AMNG	QFN 16	2.5V/3.3V SiGe Selectable Differential Clock and Data D Flip-Flop/Clock Divider with Reset and OLS	37.08	34.61	33.74	32.39
◆ 863-NBSG72AMNG	NBSG72AMNG	QFN 16	2.5V/3.3V SiGe Differential 2 X 2 Crosspoint Switch w/ Output Level Select	22.03	20.30	18.60	17.00
◆ 863-NBSG86AMNG	NBSG86AMNG	QFN 16	2.5 V/3.3 V SiGe Differential Smart Gate with Output Level Select	33.71	31.46	30.67	29.45
◆ 863-NL17SZ32DFT2G	NL17SZ32DFT2G	SC 88A	Single 2 Input OR Gate	.11	.09	.08	.07
◆ 863-NL17SZ74USG	NL17SZ74USG	US-8	Single D-Type Flip-Flop	.18	.15	.13	.11
◆ 863-NL27WZ00USG	NL27WZ00USG	US8	Dual 2 Input NAND Gate	.25	.21	.19	.16
◆ 863-NL27WZ07DFT2G	NL27WZ07DFT2G	SC 88	Dual Buffer, Open Drain	.21	.18	.16	.14
◆ 863-NL27WZ125USG	NL27WZ125USG	US8	Dual Buffer, 3 State Low Enable, Pb-free	.25	.21	.19	.16
◆ 863-NL27WZ16DFT2G	NL27WZ16DFT2G	SC 88	Dual Buffer	.21	.18	.16	.14
◆ 863-NL27WZ17DFT2G	NL27WZ17DFT2G	SC 88	Dual Buffer Schmitt, Pb-free	.21	.18	.16	.14
◆ 863-NL37WZ17USG	NL37WZ17USG	US8	Triple Non Inverting Schmitt Trigger Buffer	.34	.28	.25	.21
◆ 863-NL7SZ19MUR2G	NL7SZ19MUR2G	UDFN-6	1:2 Digital Multiplexer / Demultiplexer, Pb-free	.75	.63	.56	.48
◆ 863-NTA4151PT1G	NTA4151PT1G	SC-75	Small Signal MOSFET -20 V, -760 mA, Single P-Channel Gate Zener, SC-75	.28	.24	.20	.17
◆ 863-NTD20N03L27T4G	NTD20N03L27T4G	DPAK 4	Power MOSFET 20 Amps, 30 Volts	.91	.78	.65	.52
◆ 863-NTD20P06LT4G	NTD20P06LT4G	DPAK 4	Power MOSFET -60 V, -15.5 A, Single P-Channel DPAK	1.16	.99	.83	.66
◆ 863-NTD24N06LT4G	NTD24N06LT4G	DPAK 4	Power MOSFET 24 Amps, 60 Volts, Logic Level N-Channel DPAK	.95	.81	.68	.54
◆ 863-NTD25P03LT4G	NTD25P03LT4G	DPAK 4	Power MOSFET -25 A, -30 V Logic Level P-Channel DPAK	.98	.84	.70	.56
◆ 863-NTGS4111PT1G	NTGS4111PT1G	TSOP-6	Power MOSFET -30 V, -4.7A, Single P-Channel, TSOP-6	.44	.38	.31	.24
◆ 863-NTHD3100CT1G	NTHD3100CT1G	ChipFET	Power MOSFET Complementary, 20 V, +3.9 A/-4.4 A ChipFET®	.56	.48	.40	.30
◆ 863-NTHD4401PT3G	NTHD4401PT3G	ChipFET	Power MOSFET -20 V, -3.0 A, Dual P-Channel ChipFET®	.63	.54	.45	.33
◆ 863-NTHD4508NT1G	NTHD4508NT1G	ChipFET	Power MOSFET 20 V, 4.1 A, Dual N-Channel, ChipFET®	.45	.37	.33	.30
◆ 863-NTJD4105CT1G	NTJD4105CT1G	SC 88	Small Signal MOSFET 20 V/ -8V, Complementary +0.63 A/-0.775 A, SC-88	.42	.36	.30	.23
◆ 863-NTZD3152PT1G	NTZD3152PT1G	SOT 563	Small Signal MOSFET -20 V, -430 mA, Dual P-Channel with ESD Protection, SOT-563	.37	.32	.26	.20
◆ 863-VN2410LG	VN2410LG	TO-92	Small Signal MOSFET 200 mAmps, 240 Volts	1.09	.93	.78	.62

STMICROELECTRONICS Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMicroelectronics

DIP-14	DIP-16	DIP-20	SO-14	SO-16	SO-20	TSSOP-16	TSSOP-20
							

74AC ADVANCED HIGH SPEED CMOS

- Supply voltage: 2.0 to 6.0V
- Propagation delay time: 4ns (Typ)
- Operating temperature: -40°C to +85°C
- Output current: 24mA (min.)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74AC00M-TR	74AC00MTR	SO-14	Quad 2-input NAND gate	.27	.25	.22
511-74AC02M-TR	74AC02MTR	SO-14	Quad 2-input NOR gate	.35	.32	.29
511-74AC04M-TR	74AC04MTR	SO-14	Hex inverter/buffer	.23	.21	.19
511-74AC08M-TR	74AC08MTR	SO-14	Quad 2-input AND gate	.23	.21	.19
511-74AC14M-TR	74AC14MTR	SO-14	Hex schmitt inverter	.23	.21	.19
511-74AC32M-TR	74AC32MTR	SO-14	Quad 2-input OR gate	.20	.18	.16
511-74AC74M-TR	74AC74MTR	SO-14	Dual D-type flip-flop w/ preset & clear	.22	.20	.18
511-74AC125M-TR	74AC125MTR	SO-14	Quad bus buffer (3-state)	.23	.21	.19
511-74AC138M-TR	74AC138MTR	SO-16	3-to-8 line decoder (inv.)	.25	.23	.21
511-74AC244M-TR	74AC244MTR	SO-20	Octal bus buffer (3-state)	.27	.25	.22
511-74AC541M-TR	74AC541MTR	SO-20	Octal bus buffer (3-state)	.35	.32	.29
511-74AC541T	74AC541TTR	TSSOP-20	Octal bus buffer (3-state)	.31	.28	.26

74ACT ADVANCED HIGH SPEED CMOS

- Supply voltage: 4.5 to 5.5V
- Propagation delay time: 4ns (Typ)
- Operating temperature: -40°C to +85°C
- Output current: 24mA (min.)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74ACT04M-TR	74ACT04MTR	SO-14	Hex inverter	.25	.23	.21
511-74ACT08M-TR	74ACT08MTR	SO-14	Quad 2-input AND gate	.25	.23	.21
511-74ACT14M-TR	74ACT14MTR	SO-14	Hex schmitt inverter	.16	.14	.13
511-74ACT138M-TR	74ACT138MTR	SO-16	3-to-8 line decoder (inv.)	.29	.27	.24
511-74ACT240M-TR	74ACT240MTR	SO-20	Octal bus buffer (3-state/inv.)	.31	.28	.26
511-74ACT244M-TR	74ACT244MTR	SO-20	Octal bus buffer (3-state)	.27	.25	.22
511-74ACT245M-TR	74ACT245MTR	SO-20	Octal bus transceiver (3-state)	.31	.28	.26
511-74ACT374M-TR	74ACT374MTR	SO-20	Octal D-type flip-flop (3-state)	.31	.28	.26
511-74ACT541M-TR	74ACT541MTR	SO-20	Octal bus buffer	.37	.34	.31
511-74ACT573M-TR	74ACT573MTR	SO-20	Octal D-type latch (3-state)	.27	.25	.22

74HC HIGH SPEED CMOS

- Supply voltage: 2.0 to 6.0V
- Propagation delay time: 12ns (Typ)
- Operating temperature: -40°C to +85°C
- Output current: 6mA (min.)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-M74HC00M	M74HC00M1R	SO-14	Quad 2-input NAND gate	.35	.32	.29
511-M74HC14M-TR	M74HC14RM	SO-14	Hex Schmitt Inverter	.16	.14	.13
511-M74HC20M	M74HC20M1R	SO-14	Dual 4-input NAND gate	.35	.32	.29
511-M74HC74M	M74HC74M1R	SO-14	Dual D-type flip-flop w/preset & clear	.41	.38	.34
511-M74HC123M	M74HC123M1R	SO-16	Dual retrig. mono. multivibrator w/clear	.60	.51	.45
511-M74HC174T	M74HC174TTR	TSSOP-16	Hex D-type flip-flop	.25	.23	.21
511-M74HC245M	M74HC245M1R	SO-20	Octal bus transceiver (3-state)	.80	.78	.72
511-M74HC253M	M74HC253M1R	SO-16	Dual 4-channel multiplexer (3-state)	.49	.45	.41
511-M74HC273M	M74HC273M1R	SO-20	Octal D-type flip-flop with clear	.62	.61	.56
511-M74HC365T	M74HC365TTR	TSSOP-16	Hex bus buffer (3-state)	.31	.28	.26
511-M74HC368M	M74HC368M1R	SO-16	Hex bus buffer (3-state/inv.)	.45	.41	.38
511-M74HC373M	M74HC373M1R	SO-20	Octal D-type latch (3-state)	.62	.61	.56
511-M74HC541M	M74HC541M1R	SO-20	Octal bus buffer (3-state)	.70	.69	.63
511-M74HC573M	M74HC573M1R	SO-20	Octal D-type latch (3-state)	.70	.69	.63
511-M74HC574M	M74HC574M1R	SO-20	Octal D-type flip-flop (3-state)	.70	.69	.63
511-M74HC595M-TR	M74HC595RM13TR	SO-16	8-bit shift register output latch (3-state)	.28	.25	.23
511-M74HC688T	M74HC688TTR	TSSOP-20	8-bit equality comparator	.33	.30	.28
511-M74HC4017M-TR	M74HC4017RM13TR	SO-16	Decade counter/divider	.27	.25	.22
511-M74HC4049M	M74HC4049M1R	SO-16	Hex buffer/converter (inv.)	.45	.41	.38
511-M74HC4051M	M74HC4051M1R	SO-16	Single 8-channel analog multiplexer/demultiplexer	.84	.82	.76
511-M74HC4053M	M74HC4053M1R	SO-16	Triple 2-channel analog multiplexer/demultiplexer	.84	.82	.76
511-M74HC4066M	M74HC4066M1R	SO-14	Quad bilateral switch	.45	.41	.38
511-M74HC4078M	M74HC4078M1R	SO-14	8-input NOR/OR gate	.46	.36	.32
511-M74HC4538M-TR	M74HC4538M1R	SO-16	Dual monostable multivibrator latch/decoder/LCD driver	.27	.25	.22
Thru Hole						
511-M74HC00	M74HC00B1R	DIP-14	Quad 2-input NAND gate	.20	.18	.16
511-M74HC02	M74HC02B1R	DIP-14	Quad 2-input NOR gate	.20	.18	.16
511-M74HC03	M74HC03B1R	DIP-14	Quad 2-input NAND gate (open drain)	.20	.18	.16
511-M74HC04	M74HC04B1R	DIP-14	Hex inverter	.20	.18	.16
511-M74HC05	M74HC05B1R	DIP-14	Hex inverter	.23	.21	.19
511-M74HC08	M74HC08B1R	DIP-14	Quad 2-input AND gate	.20	.18	.16
511-M74HC10	M74HC10B1R	DIP-14	Triple 3-input NAND gate	.20	.18	.16
511-M74HC11	M74HC11B1R	DIP-14	Triple 3-input AND gate	.25	.23	.21
511-M74HC14	M74HC14B1R	DIP-14	Hex schmitt inverter	.20	.18	.16

74HC HIGH SPEED CMOS (CONT.)

- Supply voltage: 2.0 to 6.0V
- Propagation delay time: 12ns (Typ)
- Operating temperature: -40°C to +85°C
- Output current: 6mA (min.)

For quantities of 250 and up, call for quote.

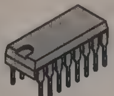
MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Thru Hole (Cont.)						
511-M74HC20	M74HC20B1R	DIP-14	Dual 4-input NAND gate	.23	.21	.19
511-M74HC27	M74HC27B1R	DIP-14	Triple 3-input NOR gate	.25	.23	.21
511-M74HC30	M74HC30B1R	DIP-14	8-input NAND gate	.25	.23	.21
511-M74HC32	M74HC32B1R	DIP-14	Quad 2-input OR gate	.20	.18	.16
511-M74HC42	M74HC42B1R	DIP-16	BCD to decimal decoder	.39	.36	.33
511-M74HC51	M74HC51B1R	DIP-14	Dual 2-wide 2-input AND-OR inv. Gate	.29	.27	.24
511-M74HC73	M74HC73B1R	DIP-14	Dual J-K flip-flop with clear	.37	.34	.31
511-M74HC74	M74HC74B1R	DIP-14	Dual D-type flip-flop w/preset & clear	.20	.18	.16
511-M74HC85	M74HC85B1R	DIP-16	4-bit magnitude comparator	.25	.23	.21
511-M74HC86	M74HC86B1R	DIP-14	Quad exclusive OR gate	.27	.25	.22
511-M74HC109	M74HC109B1R	DIP-16	Dual J-K flip-flop w/preset & clear	.41	.38	.34
511-M74HC112	M74HC112B1R	DIP-16	Dual J-K flip-flop w/preset & clear	.37	.34	.31
511-M74HC123	M74HC123B1R	DIP-16	Dual retrig. monos table multivibrator w/clear	.27	.25	.22
511-M74HC125	M74HC125B1R	DIP-14	Quad bus buffer (3-state)	.21	.19	.17
511-M74HC132	M74HC132B1R	DIP-14	Quad 2-input schmitt NAND gate	.23	.21	.19
511-M74HC133	M74HC133B1R	DIP-16	13-input NAND gate	.25	.23	.21
511-M74HC138	M74HC138B1R	DIP-16	3-to-8 line decoder (inv.)	.25	.23	.21
511-M74HC139	M74HC139B1R	DIP-16	Dual 2-to-4 line decoder/demultiplexer	.27	.25	.22
511-M74HC148	M74HC148B1R	DIP-16	8-to-3 line priority encoder	.27	.25	.22
511-M74HC151	M74HC151B1R	DIP-16	8-channel multiplexer	.25	.23	.21
511-M74HC155	M74HC155B1R	DIP-16	Dual 2-to-4 line decoder/ 3-to-8 line decoder	.33	.30	.28
511-M74HC157	M74HC157B1R	DIP-16	Quad 2-channel multiplexer	.23	.21	.19
511-M74HC161	M74HC161B1R	DIP-16	Synchronous binary counter with async. clear	.27	.25	.22
511-M74HC163	M74HC163B1R	DIP-16	Synchronous binary counter with sync. clear	.27	.25	.22
511-M74HC164	M74HC164B1R	DIP-14	8-bit serial-in-parallel-out (SIPO) shift register	.25	.23	.21
511-M74HC165	M74HC165B1R	DIP-16	8-bit parallel-in-serial-out (PISO) shift register	.25	.23	.21
511-M74HC174	M74HC174B1R	DIP-16	Hex D-type flip-flop with clear	.23	.21	.19
511-M74HC175	M74HC175B1R	DIP-16	Quad D-type flip-flop with clear	.31	.28	.26
511-M74HC221	M74HC221B1R	DIP-16	Dual monostable multivibrator	.33	.30	.28
511-M74HC237	M74HC237B1R	DIP-16	3-to-8 line decoder latch	.39	.36	.33
511-M74HC238	M74HC238B1R	DIP-16	3-to-8 line decoder	.35	.32	.29
511-M74HC240	M74HC240B1R	DIP-20	Octal bus buffer (3-state/inv.)	.25	.23	.21
511-M74HC244	M74HC244B1R	DIP-20	Octal bus buffer (3-state)	.25	.23	.21
511-M74HC245	M74HC245B1R	DIP-20	Octal bus transceiver (3-state)	.29	.27	.24
511-M74HC251	M74HC251B1R	DIP-16	8-channel multiplexer (3-state)	.23	.21	.19
511-M74HC257	M74HC257B1R	DIP-16	Quad 2-channel multiplexer (3-state)	.31	.28	.26
511-M74HC259	M74HC259B1R	DIP-16	8-bit addressable latch	.56	.55	.51
511-M74HC273	M74HC273B1R	DIP-20	Octal D-type flip-flop with clear	.33	.30	.28
511-M74HC299	M74HC299B1R	DIP-20	8-bit parallel-in-parallel-out (PIPO) shift register	.31	.28	.26
511-M74HC365	M74HC365B1R	DIP-16	Hex bus buffer (3-state)	.29	.27	.24
511-M74HC367	M74HC367B1R	DIP-16	Hex bus buffer (3-state)	.35	.32	.29
511-M74HC368	M74HC368B1R	DIP-16	Hex bus buffer (3-state/inv.)	.25	.23	.21
511-M74HC373	M74HC373B1R	DIP-20	Octal D-type latch (3-state)	.31	.28	.26
511-M74HC374	M74HC374B1R	DIP-20	Octal D-type flip-flop (3-state)	.25	.23	.21
511-M74HC377	M74HC377B1R	DIP-20	Quad D-type flip-flop	.27	.25	.22
511-M74HC390	M74HC390B1R	DIP-16	Dual decade counter	.37	.34	.31
511-M74HC393	M74HC393B1R	DIP-14	Dual binary counter	.33	.30	.28
511-M74HC541	M74HC541B1R	DIP-20	Octal bus buffer (3-state)	.33	.30	.28
511-M74HC564	M74HC564B1R	DIP-20	Octal D-type flip-flop (3-state/inv.)	.70	.69	.63
511-M74HC573	M74HC573B1R	DIP-20	Octal D-type latch (3-state)	.31	.28	.26
511-M74HC574	M74HC574B1R	DIP-20	Octal D-type flip-flop (3-state)	.25	.23	.21
511-M74HC590	M74HC590B1R	DIP-16	8-bit binary counter register (3-state)	.29	.27	.24
511-M74HC595	M74HC595B1R	DIP-16	8-bit shift register output latch (3-state)	.31	.28	.26
511-M74HC597	M74HC597B1R	DIP-16	8-bit latch shift register	.82	.80	.74
511-M74HC688	M74HC688B1R	DIP-20	8-bit equality comparator	.68	.67	.62
511-M74HC4017	M74HC4017B1R	DIP-16	Decade counter/divider	.33	.30	.28
511-M74HC4020	M74HC4020B1R	DIP-16	14-stage binary counter	.43	.40	.36
511-M74HC4024	M74HC4024B1R	DIP-14	7-stage binary counter	.31	.28	.26
511-M74HC4040	M74HC4040B1R	DIP-16	12-stage binary counter	.31	.28	.26
511-M74HC4049	M74HC4049B1R	DIP-16	Hex buffer/converter (inv.)	.39	.36	.33
511-M74HC4050	M74HC4050B1R	DIP-16	Hex buffer/converter	.84	.82	.76
511-M74HC4051	M74HC4051B1R	DIP-16	Single 8-channel analog multiplexer/demultiplexer	.35	.32	.29
511-M74HC4052	M74HC4052B1R	DIP-16	Dual 4-channel analog multiplexer/demultiplexer	.29	.27	.24
511-M74HC4053	M74HC4053B1R	DIP-16	Triple 2-channel analog multiplexer/demultiplexer	.23	.21	.19
511-M74HC4060	M74HC4060B1R	DIP-16	14-stage binary counter/oscillator	.54	.53	.49
511-M74HC4066	M74HC4066B1R	DIP-14	Quad bilateral switch	.20	.18	.16
511-M74HC4075	M74HC4075B1R	DIP-14	Triple 3-input OR gate	.61	.60	.55

STMICROELECTRONICS Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

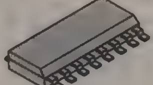
STMicroelectronics

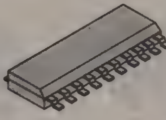
DIP-14

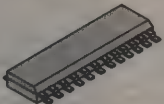

DIP-16

DIP-20

SO-14

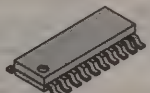

SO-16


SO-20

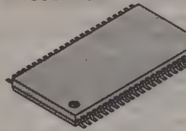

SO-24

TSSOP-14

TSSOP-16


TSSOP-20

TSSOP-24


TSSOP-48

74HC HIGH SPEED CMOS (CONT.)

- Supply voltage: 2.0 to 6.0V
- Operating temperature: -40°C to +85°C
- Output current: 6mA (min.)
- Propagation delay time: 12ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Thru-Hole (cont.)						
511-M74HC4078	M74HC4078B1R	DIP-14	8-input NOR/OR gate	.35	.32	.29
511-M74HC4094	M74HC4094B1R	DIP-16	8-bit serial-in-parallel-out (SIPO) shift register	.31	.28	.26
511-M74HC4520	M74HC4520B1R	DIP-16	Dual 4-bit binary counter	.33	.30	.28
511-M74HC4538	M74HC4538B1R	DIP-16	Dual monostable multivibrator	.33	.30	.28
511-M74HC4543	M74HC4543B1R	DIP-16	BCD-to-7-segment LCD latch/decoder/driver	.27	.25	.22
511-M74HCU04	M74HCU04B1R	DIP-14	Hex inverter (single stage)	.23	.21	.19

74HCT HIGH SPEED CMOS

- Supply voltage: 4.5 to 5.5V
- Operating temperature: -40°C to +85°C
- Output current: 6mA (min.)
- Propagation delay time: 12ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-M74HCT14T	M74HCT14TTR	TSSOP-14	Hex schmitt inverter	.27	.25	.22
511-M74HCT86M	M74HCT86M1R	SO-14	Quad exclusive OR gate	.41	.38	.34
511-M74HCT244M	M74HCT244M1R	SO-20	Octal bus buffer (3-state)	.68	.67	.62
511-M74HCT245MTR	M74HCT245RM13TR	SO-20	Octal bus transceiver (3-state)	.80	.68	.60
511-M74HCT373T	M74HCT373TTR	TSSOP-20	Octal D-type latch (3-state)	.29	.27	.24
511-M74HCT374M	M74HCT374M1R	SO-20	Octal D-type flip-flop (3-state)	.68	.67	.62
511-M74HC4053M-TR	M74HC4053M-TR	SO-16	Triple 2-channel analog multiplexer/demultiplexer	.25	.23	.21
511-M74HCT574M	M74HCT574M1R	SO-20	Octal D-type flip-flop (3-state)	.70	.69	.63
Thru Hole						
511-M74HCT00	M74HCT00B1R	DIP-14	Quad 2-input NAND gate	.20	.18	.16
511-M74HCT02	M74HCT02B1R	DIP-14	Quad 2-input NOR gate	.23	.21	.19
511-M74HCT04	M74HCT04B1R	DIP-14	Hex inverter	.25	.23	.21
511-M74HCT08	M74HCT08B1R	DIP-14	Quad 2-input AND gate	.23	.21	.19
511-M74HCT14	M74HCT14B1R	DIP-14	Hex schmitt inverter	.21	.19	.17
511-M74HCT74	M74HCT74B1R	DIP-14	Dual D-type flip-flop w/preset & clear	.21	.19	.17
511-M74HCT138	M74HCT138B1R	DIP-16	3-to-8 line decoder (inv.)	.23	.21	.19
511-M74HCT244	M74HCT244B1R	DIP-20	Octal bus buffer (3-state)	.25	.23	.21
511-M74HCT245	M74HCT245B1R	DIP-20	Octal bus transceiver (3-state)	.35	.32	.29
511-M74HCT273	M74HCT273B1R	DIP-20	Octal D-type flip-flop with clear	.25	.23	.21
511-M74HCT541	M74HCT541B1R	DIP-20	Octal bus buffer (3-state)	.25	.23	.21
511-M74HCT573	M74HCT573B1R	DIP-20	Octal D-type latch (3-state)	.31	.28	.26
511-M74HCT574	M74HCT574B1R	DIP-20	Octal D-type flip-flop (3-state)	.33	.30	.28

74LCX LOW VOLTAGE CMOS

- Supply voltage: 2.7 to 3.6V
- Operating temperature: -40°C to +85°C
- Output current: 24mA (min.)
- Propagation delay time: 4.5ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74LCX00M-TR	74LCX00MTR	SO-14	Quad 2-input NAND gate with 5V tolerant input	.20	.18	.16
511-74LCX00T	74LCX00TTR	TSSOP-14	Quad 2-input NAND gate with 5V tolerant input	.27	.25	.22
511-74LCX02M-TR	74LCX02MTR	SO-14	Quad 2-input NOR gate with 5V tolerant input	.27	.25	.22
511-74LCX04M-TR	74LCX04MTR	SO-14	Hex inverter with 5V tolerant input	.22	.20	.18
511-74LCX04T	74LCX04TTR	TSSOP-14	Hex inverter with 5V tolerant input	.27	.25	.22
511-74LCX08M-TR	74LCX08MTR	SO-14	Quad 2-input AND gate with 5V tolerant input	.20	.18	.16
511-74LCX14M-TR	74LCX14MTR	SO-14	Hex schmitt inverter w/5V tolerant input	.27	.25	.22
511-74LCX14T	74LCX14TTR	TSSOP-14	Hex schmitt inverter w/5V tolerant input	.27	.25	.22
511-74LCX74M-TR	74LCX74MTR	SO-14	Dual D-type flip-flop with preset and clear, 5V tolerance input	.22	.20	.18

74LCX LOW VOLTAGE CMOS (CONT.)

- Supply voltage: 2.7 to 3.6V
- Operating temperature: -40°C to +85°C
- Output current: 24mA (min.)
- Propagation delay time: 4.5ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74LCX74T	74LCX74TTR	TSSOP-14	Dual D-type flip-flop with preset and clear, 5V tolerance input	.31	.28	.26
511-74LCX125M-TR	74LCX125MTR	SO-14	Quad bus buffer (3-state) with 5V tolerant input/output	.20	.18	.16
511-74LCX125T	74LCX125TTR	TSSOP-14	Quad bus buffer (3-state) with 5V tolerant input/output	.27	.25	.22
511-74LCX138T	74LCX138TTR	TSSOP-16	3-to-16 line decoder (inverter) with 5V tolerant inputs	.31	.28	.26
511-74LCX244M-TR	74LCX244MTR	SO-20	Octal bus buffer (3-state) with 5V tolerance input/output	.31	.28	.26
511-74LCX244T	74LCX244TTR	TSSOP-20	Octal bus buffer (3-state) with 5V tolerance input/output	.29	.27	.24
511-74LCX245M-TR	74LCX245MTR	SO-20	Octal bus transceiver (3-state) w/5V tolerance input/output	.31	.28	.26
511-74LCX245T	74LCX245TTR	TSSOP-20	Octal bus transceiver (3-state) w/5V tolerance input/output	.35	.32	.29
511-74LCX541M-TR	74LCX541MTR	SO-20	Octal bus buffer w/5V tolerance input/output	.29	.27	.24
511-74LCX573M-TR	74LCX573MTR	SO-20	Octal D-type latch (3-state) w/5V tolerance input/output	.31	.28	.26
511-74LCX16244T	74LCX16244TTR	TSSOP-48	16-bit bus buffer (3-state) w/5V tolerance input/output	.72	.71	.65
511-74LCX16373T	74LCX16373TTR	TSSOP-48	16-bit D-type latch (3-state) w/5V tolerance input/output	.72	.71	.65

74LVX HIGH SPEED LOW VOLTAGE CMOS

- Supply voltage: 2.0 to 3.6V
- Operating temperature: -55°C to +125°C
- Output current: 24mA (min.)
- Propagation delay time: 8ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
511-74LVX14M-TR	74LVX14MTR	SO-14	Hex schmitt inverter	.20	.18	.16
511-74LVXC3245M	74LVXC3245MTR	SO-24	Octal bus transceiver	.80	.78	.72
511-74LVX4245M-TR	74LVX4245MTR	SO-24	Octal dual supply bus transceiver	.82	.80	.74
511-74LVX4245T	74LVX4245TTR	TSSOP-24	Octal dual supply bus transceiver	.78	.77	.71
511-74LVX574T	74LVX574TTR	TSSOP-20	Octal D-type flip-flop (3-state) w/5V tolerant input	.35	.32	.29
511-74LVX16245T	74LVX16245TTR	TSSOP-48	16-bit bus transceiver (3-state) w/5V tolerant input	.74	.73	.67

74VCX HIGH SPEED LOW VOLTAGE CMOS

- Supply voltage: 1.8 to 3.6V
- Operating temperature: -55°C to +125°C
- Input leakage current: 5μA Typ)
- Propagation delay time @ 3.6V: 2.5ns (Max)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
511-74VCX16245T	74VCX16245TTR	TSSOP-48	16-bit bus transceiver (3-state) with 3.6V tolerance input/output	1.19	1.17	1.08

74VHC HIGH SPEED LOW VOLTAGE CMOS

- Supply voltage: 2.0 to 5.5V
- Operating temperature: -55°C to +125°C
- Input Leakage Current: 0.1 uA (max.)
- Propagation delay time @ 5.0V: 5.5 ns (max.)

For quantities of 250 and up, call for quote.

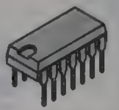
MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74VHC08M-TR	74VHC08MTR	SO-14	Quad 2-input AND gate	.19	.17	.16
511-74VHC08T	74VHC08TTR	TSSOP-14	Quad 2-input AND gate	.31	.28	.26
511-74VHC14M-TR	74VHC14MTR	SO-14	Hex schmitt trigger inverter	.16	.14	.13
511-74VHC138M-TR	74VHC138MTR	SO-16	3-to-8 line decoder	.23	.21	.19

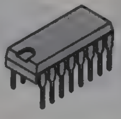
STMICROELECTRONICS Logic

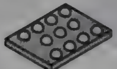
Products may be RoHS compliant.
Check mouser.com for RoHS status.

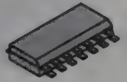
STMicroelectronics

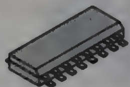
DIP-8


DIP-14


DIP-16


FlipChip-11
(Bottom View)


SO-14


SO-16

SOT-23-5L

SOT-23-8L

SOT-323-5L

SSOP-24

74LX1G SINGLE GATE LOW VOLTAGE CMOS

- Supply voltage: 1.65 to 5.5V
- Operating temperature: -55°C to +125°C
- Output Current: 10 mA (Max)
- Propagation delay time @ 3.0V: 1 ns (Min)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74LX1G04C	74LX1G04CTR	SOT-323-5L	Single inverter with 5V tolerant input	.11	.10	.09
511-74LX1G08C	74LX1G08CTR	SOT-323-5L	Single 2-input AND gate with 5V tolerant input	.11	.10	.09
511-74LX1G14C	74LX1G14CTR	SOT-323-5L	Single schmitt inverter with 5V tolerant input	.11	.10	.09
511-74LX1G126C	74LX1G126CTR	SOT-323-5L	Single Bus Buffer with 5V tolerant input	.35	.32	.29

74V1G SINGLE GATE HIGH SPEED CMOS

- Supply voltage: 2.0 to 5.5V
- Operating temperature: -40°C to +85°C
- Output Current: 8 mA (Max)
- Propagation delay time: 4 ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74V1G00C	74V1G00CTR	SOT-323-5L	Single 2-input NAND gate	.11	.10	.09
511-74V1G00S	74V1G00STR	SOT-23-5L	Single 2-input NAND gate	.29	.27	.24
511-74V1G02S	74V1G02STR	SOT-23-5L	Single 2-input NOR gate	.29	.27	.24
511-74V1G03S	74V1G03STR	SOT-23-5L	Single 2-input NAND gate (open drain)	.29	.27	.24
511-74V1G04C	74V1G04CTR	SOT-323-5L	Single inverter	.11	.10	.09
511-74V1G04S	74V1G04STR	SOT-23-5L	Single inverter	.11	.10	.09
511-74V1G05C	74V1G05CTR	SOT-323-5L	Single inverter	.29	.27	.24
511-74V1G07S	74V1G07STR	SOT-23-5L	Single buffer	.29	.27	.24
511-74V1G08C	74V1G08CTR	SOT-323-5L	Single 2-input AND gate	.29	.27	.24
511-74V1G08S	74V1G08STR	SOT-23-5L	Single 2-input AND gate	.11	.10	.09
511-74V1G14C	74V1G14CTR	SOT-323-5L	Single schmitt inverter	.11	.10	.09
511-74V1G14S	74V1G14STR	SOT-23-5L	Single schmitt inverter	.11	.10	.09
511-74V1G32S	74V1G32STR	SOT-23-5L	Single 2-input OR gate	.11	.10	.09
511-74V1G66C	74V1G66CTR	SOT-323-5L	Single bilateral switch	.11	.10	.09
511-74V1G70S	74V1G70STR	SOT-23-5L	Single bus buffer	.11	.10	.09
511-74V1G86S	74V1G86STR	SOT-23-5L	Single exclusive OR gate	.11	.10	.09
511-74V1G125C	74V1G125CTR	SOT-323-5L	Single bus buffer (3-state)	.11	.10	.09
511-74V1G125S	74V1G125STR	SOT-23-5L	Single bus buffer (3-state)	.11	.10	.09

74V2G DUAL GATE HIGH SPEED CMOS

- Supply voltage: 2.0 to 5.5V
- Operating temperature: -55°C to +125°C
- Input/Output Leakage Current: 0.1 uA (min.)
- Delay time @ 5.0V: 0.3ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74V2G66S	74V2G66STR	SOT-23-8L	Dual bilateral switch	.22	.20	.18

74V1T SINGLE GATE HIGH SPEED CMOS

- Supply voltage: 4.5 to 5.5V
- Operating temperature: -40°C to +85°C
- Output Current: 8 mA (min)
- Propagation delay time: 4 ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-74V1T00S	74V1T00STR	SOT-23-5L	Single 2-input NAND gate	.29	.27	.24
511-74V1T03S	74V1T03STR	SOT-23-5L	Single 2-input NAND gate (open drain)	.29	.27	.24
511-74V1T04S	74V1T04STR	SOT-23-5L	Single inverter	.29	.27	.24
511-74V1T08C	74V1T08CTR	SOT-323-5L	Single 2-input AND gate	.11	.10	.09
511-74V1T08S	74V1T08STR	SOT-23-5L	Single 2-input AND gate	.29	.27	.24
511-74V1T14S	74V1T14STR	SOT-23-5L	Single schmitt inverter	.11	.10	.09
511-74V1T125C	74V1T125CTR	SOT-323-5L	Single bus buffer (3-state)	.11	.10	.09
511-74V1T125S	74V1T125STR	SOT-23-5L	Single bus buffer (3-state)	.29	.27	.24

POWER LOGIC (STPIC SERIES)

- Supply voltage: 4.5 to 5.5V
- Operating temperature: -40°C to +125°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-STPIC44L02P	STPIC44L02P	SSOP-24	4-channel serial & parallel low side pre-FET driver	1.97	1.94	1.79

4000 SERIES CMOS

- Supply voltage: 3.0 to 18.0V
- Operating temperature: -40°C to +85°C
- Output Current: 7 mA (Max)
- Propagation delay time: 65 ns (Typ)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-4021BM-TR	HCF4021MO13TR	SO-16	8-stage static shift register	.23	.21	.19
511-4024BM-TR	HCF4024M013TR	SO-14	7-stage binary/ripple counter	.55	.43	.38
511-4028BM-TR	HCF4028M013TR	SO-16	BCD-to-decimal decoder	.52	.44	.39
511-4051BM-TR	HCF4051MO13TR	SO-16	Single 8-channel analog multiplexer/demultiplexer	.20	.18	.16
511-4053BM	HCF4053BM1	SO-16	Triple 2-channel analog multiplexer/demultiplexer	.52	.51	.47
511-4070BM	HCF4070BM1	SO-14	Quad exclusive OR gate	.35	.32	.29
Thru Hole						
511-4001	HCF4001BEY	DIP-14	Quad 2-input NOR gate	.18	.16	.15
511-4007U	HCF4007UBEY	DIP-14	Dual complementary pair plus inverter	.31	.28	.26
511-4011	HCF4011BEY	DIP-14	Quad 2-input NAND gate	.20	.18	.16
511-4013	HCF4013BEY	DIP-14	Dual D-type flip-flop	.20	.18	.16
511-4014	HCF4014BEY	DIP-16	8-stage static synchronous shift register	.29	.27	.24
511-4015	HCF4015BEY	DIP-16	Dual 4-stage static shift register	.20	.18	.16
511-4016	HCF4016BEY	DIP-14	Quad bilateral switch	.27	.25	.22
511-4017	HCF4017BEY	DIP-16	Decade counter/divider	.35	.32	.29
511-4019	HCF4019BEY	DIP-16	Quad AND/OR selectable gate	.33	.30	.28
511-4020	HCF4020BEY	DIP-16	14-stage binary/ripple counter	.25	.23	.21
511-4021	HCF4021BEY	DIP-16	8-stage static shift register	.27	.25	.22
511-4024	HCF4024BEY	DIP-14	7-stage binary/ripple counter	.21	.19	.17
511-4025	HCF4025BEY	DIP-14	Triple 3-input NOR gate	.23	.21	.19
511-4028	HCF4028BEY	DIP-16	BCD-to-decimal decoder	.27	.25	.22
511-4030	HCF4030BEY	DIP-14	Quad exclusive OR gate	.25	.23	.21
511-4040	HCF4040BEY	DIP-16	12-stage binary/ripple counter	.29	.27	.24
511-4042	HCF4042BEY	DIP-16	Quad clocked D-latch	.36	.33	.30
511-4047	HCF4047BEY	DIP-14	Monostable/astable multivibrator	.25	.23	.21
511-4049U	HCF4049UBEY	DIP-16	Hex inverting buffer/converter	.23	.21	.19
511-4050	HCF4050BEY	DIP-16	Hex non-inverting buffer/converter	.20	.18	.16
511-4051	HCF4051BEY	DIP-16	Single 8-channel analog multiplexer/demultiplexer	.23	.21	.19
511-4052	HCF4052BEY	DIP-16	Differential 4-channel analog multiplexer/demultiplexer	.27	.25	.22
511-4053	HCF4053BEY	DIP-16	Triple 2-channel analog multiplexer/demultiplexer	.20	.18	.16
511-4056	HCF4056BEY	DIP-16	BCD-to-7 segment decoder/driver	.43	.40	.36
511-4060	HCF4060BEY	DIP-16	14-stage counter/driver & oscillator	.27	.25	.22
511-4066	HCF4066BEY	DIP-14	Quad bilateral switch	.18	.16	.15
511-4069U	HCF4069UBEY	DIP-14	Hex inverter	.20	.18	.16
511-4070	HCF4070BEY	DIP-14	Quad exclusive OR gate	.20	.18	.16
511-4071	HCF4071BEY	DIP-14	Quad 2-input OR gate	.20	.18	.16
511-4073	HCF4073BEY	DIP-14	Triple 3-input AND gate	.27	.25	.22
511-4075	HCF4075BEY	DIP-14	Dual 4-input NAND gate	.34	.31	.28
511-4081	HCF4081BEY	DIP-14	Quad 2-input AND gate	.20	.18	.16
511-4093	HCF4093BEY	DIP-14	Quad 2-input NAND schmitt trigger	.20	.18	.16
511-4094	HCF4094BEY	DIP-16	8-stage shift-and-store bus register	.20	.18	.16
511-4098	HCF4098BEY	DIP-16	Dual monostable multivibrator	.31	.28	.26
511-4099	HCF4099BEY	DIP-16	8-bit addressable latch	.33	.30	.28
511-4511	HCF4511BEY	DIP-16	BCD-to-7 segment latch/decoder/driver	.33	.30	.28
511-4518	HCF4518BEY	DIP-16	Dual BCD up counter	.39	.36	.33
511-4520	HCF4520BEY	DIP-16	Dual binary up counter	.31	.28	.26
511-4536	HCF4536BEY	DIP-16	Programmable timer	.33	.30	.28
511-4538	HCF4538BEY	DIP-16	Dual precision monostable multivibrator	.27	.25	.22
511-4541	HCF4541BEY	DIP-14	Programmable timer	.23	.21	.19
511-4556	HCF4556BEY	DIP-16	Dual 1-of-4 decoder/demultiplexer (output low)	.31	.28	.26
511-40103	HCF40103BEY	DIP-16	Presettable 8-bit binary down counter	.56	.55	.51
511-40106	HCF40106BEY	DIP-14	Hex schmitt trigger	.19	.17	.16
511-40107	HCF40107BEY	DIP-8	Dual 2-input NAND buffer/driver	.23	.21	.19
511-40109	HCF40109BEY	DIP-16	Quad low-to-high voltage level shifter	.35	.32	.29

ADVANCED LOGIC - LEVEL TRANSLATORS

- Supply voltage: 1.4 to 3.6V
- Operating temperature: -40°C to +85°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Price Each		
				1	10	100
Surface Mount						
511-ST4G3234BJR	ST4G3234BJR	FlipChip-11	4-bit dual supply bus buffer w/ a side series resistor	1.19	1.17	1.08

TEXAS INSTRUMENTS Logic

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-74AC16245DL	SSOP-48	16-Bit Bus Transceiver	1.44	1.30	1.16
595-74AC16374DL	SSOP-48	16-Bit D-Type Flip Flop	1.32	1.19	1.07
595-74ACT16240DLR	SSOP-48	16-Bit Buffer/Driver	1.27	1.14	1.03
595-74ACT16244DGGR	TSSOP-48	16-Bit Buffer/Line Driver	1.27	1.14	1.03
595-74ACT16244DL	SSOP-48	16-Bit Buffer/Line Driver	1.27	1.14	1.03
595-74ACT16245DL	SSOP-48	16-Bit Bus Transceiver	1.27	1.14	1.03
595-74ACT16373DL	SSOP-48	16-Bit D-Type Latch	1.27	1.14	1.03
595-74ACT16374DL	SSOP-48	16-Bit D-Type Flip Flop	1.27	1.14	1.03
595-74ACT16543DLR	SSOP-56	16-Bit Registered Transceiver	1.46	1.32	1.18
595-74ACT16652DL	SSOP-56	16-Bit Transceiver and Register	10.03	9.03	8.11
595-74AHCT16244DGGR	TSSOP-48	16-Bit Buffer/Driver	1.44	1.30	1.16
595-74ALVC16334DGGR	TSSOP-48	16-Bit Universal Bus Driver	1.20	1.08	.97
595-74ALVCH162827GR	TSSOP-56	20-Bit Buffer/Driver	1.44	1.30	1.16
595-74ALVCH162830GR	TSSOP-80	1-Bit to 2-Bit Address Driver	1.92	1.73	1.55
595-74ALVCH16601DGGR	TSSOP-56	18-Bit Universal Bus Transceiver	1.56	1.40	1.26
595-74ALVCH16721DGGR	TSSOP-56	3.3V 2-Bit Flip-Flop	1.56	1.40	1.26
595-74ALVCHR16601GR	TSSOP-56	18-Bit Universal Bus Transceiver	1.80	1.62	1.46
595-74AVCBH164245GR	TSSOP-48	16-Bit Bus Transceiver	3.15	2.52	1.96
595-74CBTD16211DGGR	TSSOP-56	24-Bit FET Bus Switch	2.88	2.59	2.33
595-74VMEH22501DGGR	TSSOP-48	8-Bit Universal Bus Transceiver	4.64	3.71	2.88
595-74VMEH22501DGVR	TVSOP-48	8-Bit Universal Bus Transceiver	4.64	3.71	2.88
595-AM26C31CN	DIP-16	Quad Differential Line Driver	.96	.86	.78
595-AM26C31ID	SOP-16	Quad Differential Line Driver	1.35	1.13	.90
595-AM26C32CD	SOP-16	Quad Differential Line Receiver	1.20	1.00	.80
595-AM26LS31CD	SOP-16	Quad Differential Line Receiver	.75	.63	.50
595-AM26LS32ACDR	SOP-16	Quad Differential Line Receiver	.60	.54	.49
595-AM26LV31CD	DIP-16	Quad Differential Line Driver	.90	.75	.60
595-AM26LV32CD	SOP-16	Quad Differential Line Receiver	.90	.75	.60
595-CD4001BE	DIP-14	Quad NOR Gate	.50	.40	.30
595-CD4002BE	DIP-14	Dual NOR Gate	.50	.40	.30
595-CD4007UBE	DIP-14	Pair Plus Inverter	.50	.40	.30
595-CD40102BE	DIP-16	BCD Synchronous Down Counter	.96	.80	.64
595-CD40103BE	DIP-16	8-Bit Binary Sync Down Counter	.77	.69	.62
595-CD40106BE	DIP-14	Hex Schmitt Trigger	.50	.40	.30
595-CD40106BM96	SOIC-14	Hex Schmitt Trigger	.50	.40	.30
595-CD40106BPWR	TSSOP-14	Hex Schmitt Trigger	.50	.40	.30
595-CD40107BE	DIP-8	Dual NAND Buffer	.56	.42	.32
595-CD40109BE	DIP-16	Quad Level Shifter	.80	.60	.45
595-CD40109BPWR	TSSOP-16	Quad Level Shifter	.48	.43	.39
595-CD40110BE	PDIP-16	Decade Up-Down Counter	1.50	1.20	.90
595-CD4011BE	DIP-14	Quad NAND Gate	.50	.40	.30
595-CD4011BM	SOP-14	Quad NAND Gate	.24	.22	.19
595-CD4011BM96	SOIC-14	Quad NAND Gate	.24	.22	.19
595-CD4011UBE	DIP-14	Quad NAND Gate	.50	.40	.30
595-CD4011UBM	SOIC-14	Quad NAND Gate	.30	.25	.20
595-CD4012BE	DIP-14	Dual NAND Gate	.50	.40	.30
595-CD4013BE	DIP-14	Dual D-Type Flip Flop	.50	.40	.30
595-CD4013BM	SOIC-14	Dual D-Type Flip Flop	.50	.40	.30
595-CD40147BE	DIP-16	BCD Priority Encoder	1.14	.95	.76
595-CD4015BE	DIP-16	Dual Static Shift Register	.60	.45	.34
595-CD4016BE	DIP-14	Quad Bilateral Switch	.48	.36	.27
595-CD40174BE	DIP-16	Hex D-Type Flip-Flop	.52	.39	.29
595-CD40175BE	DIP-16	Quad D-Type Flip-Flop	.48	.36	.27
595-CD4017BE	DIP-16	Decade Counter	.48	.36	.27
595-CD4017BNSR	SOP-16	Decade Counter	.26	.24	.21
595-CD4018BE	DIP-16	Presettable Divide-By-N Counter	.56	.42	.32
595-CD40192BE	DIP-16	Presettable BCD Counter	.56	.42	.32
595-CD40193BE	DIP-16	Presettable Binary Counter	.72	.54	.41
595-CD4020BE	DIP-16	Ripple-Carry Binary Counter	.48	.43	.39
595-CD4023BE	DIP-14	Triple NAND Gate	.48	.36	.27
595-CD4024BE	DIP-14	Ripple-Carry Binary Counter	.48	.36	.27
595-CD4024BM96	SOIC-14	Ripple-Carry Binary Counter	.26	.24	.21
595-CD4025BE	DIP-14	Triple 3-Input NOR Gate	.24	.22	.19
595-CD4026BE	DIP-16	Decade Counter	.75	.63	.50
595-CD4027BE	DIP-16	Dual J-K Master-Slave Flip-Flop	.55	.44	.33
595-CD4028BE	DIP-16	BCD-to-Decimal Decoder	.52	.39	.29
595-CD4029BE	DIP-16	Presettable Counter	.52	.39	.29
595-CD4030BE	DIP-14	Quad Exclusive-OR Gate	.48	.36	.27
595-CD4034BE	PDIP-24	8-Stage Static Bus Register	1.88	1.50	1.13
595-CD4040BE	DIP-16	Ripple-Carry Binary Counter	.48	.36	.27
595-CD4043BE	DIP-16	Quad NOR R/S Latch	.60	.45	.34
595-CD4044BE	DIP-16	Quad NAND R/S Latch	.60	.45	.34
595-CD4045BE	DIP-16	21-Stage Counter	.56	.42	.32
595-CD4046BE	DIP-16	Micropower Phase-Locked Loop	.56	.42	.32
595-CD4047BE	DIP-14	Monost/Astable Multivibrator	.52	.39	.29
595-CD4048BE	DIP-16	Multifunction 8-Input Gate	.66	.50	.37
595-CD4049UBDW	SOIC-16	Hex Inverting Buffer	.33	.28	.22
595-CD4049UBE	DIP-16	Hex Inverting Buffer	.53	.40	.30
595-CD4049UBNSR	SOP-16	Hex Inverting Buffer	.26	.24	.21
595-CD4050BE	DIP-16	Hex Non-Inverting Buffer	.48	.36	.27
595-CD4051BE	DIP-16	Single 8-Channel Multiplexer	.52	.39	.30
595-CD4051BM96	SOIC-16	Single 8-Channel Multiplexer	.29	.26	.23
595-CD4052BE	DIP-16	4-Channel Multiplexer	.48	.36	.27
595-CD4052BPWR	TSSOP-16	4-Channel Multiplexer	.26	.24	.21
595-CD4053BE	DIP-16	Triple 2-Channel Multiplexer	.55	.44	.33
595-CD4053BM96	SOIC-16	Triple 2-Channel Multiplexer	.26	.24	.21

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-CD4053BPWR	TSSOP-16	Triple 2-Channel Multiplexer	.26	.24	.21
595-CD4054BE	DIP-16	4-Segment LCD Driver	.52	.39	.29
595-CD4055BE	DIP-16	BCD-to-7-Segment LCD Decoder	.80	.60	.45
595-CD4056BE	DIP-16	BCD-to-7-Segment LCD Decoder	.62	.46	.35
595-CD4059AE	PDIP-24	Programmable Counter	2.48	1.98	1.54
595-CD4060BE	DIP-16	14-Stage Binary Counter	.48	.36	.27
595-CD4060BPWR	TSSOP-16	Ripple-Carry Binary Counter	.26	.24	.21
595-CD4063BE	DIP-16	4-Bit Magnitude Comparator	.72	.54	.41
595-CD4066BE	DIP-14	Single 16-Channel Multiplexer	.55	.44	.33
595-CD4067BE	DIP-24	Single 16-Channel Multiplexer	1.38	1.15	.92
595-CD4068BE	DIP-14	8-Input NAND/AND Gate	.48	.36	.27
595-CD4069UBE	DIP-14	Hex Inverter	.55	.44	.33
595-CD4069UBM	SOP-14	Hex Inverter	.26	.24	.21
595-CD4070BE	DIP-14	Quad OR Gate	.55	.44	.33
595-CD4071BE	DIP-14	Quad OR Gate	.55	.44	.33
595-CD4072BE	SOP-14	Dual OR Gate	.55	.44	.33
595-CD4073BE	DIP-14	Triple 3-Input AND Gate	.55	.44	.33
595-CD4073BM	SOP-14	Triple 3-Input AND Gate	.55	.44	.33
595-CD4075BE	DIP-14	Triple 3-Input OR Gate	.55	.44	.33
595-CD4077BE	DIP-14	Quad Exclusive-NOR Gate	.48	.36	.27
595-CD4078BE	DIP-14	8-Input NOR/OR Gate	.55	.44	.33
595-CD4081BE	DIP-14	Quad 2-Input AND Gate	.55	.44	.33
595-CD4081BM	SOIC-14	Quad 2-Input AND Gate	.26	.24	.21
595-CD4082BE	DIP-14	Dual & Gate	.55	.44	.33
595-CD4086BE	DIP-14	4-Wide AND-OR-INVERT Gate	.92	.69	.52
595-CD4093BE	DIP-14	Quad NAND Schmitt Trigger	.55	.44	.33
595-CD4093BM	SOP-14	Quad NAND Schmitt Trigger	.26	.24	.21
595-CD4093BPWR	TSSOP-14	Quad NAND Schmitt Trigger	.26	.24	.21
595-CD4094BE	DIP-16	8-Stage Bus Register	.52	.39	.29
595-CD4094BPWR	TSSOP-16	8-Stage Bus Register	.26	.24	.21
595-CD4098BE	DIP-16	Dual Monostable Multivibrator	.53	.40	.30
595-CD4502BE	DIP-16	Strobed Hex Inverter	.48	.36	.27
595-CD4503BE	DIP-16	Hex Non-Inverting Buffer	.53	.40	.30
595-CD4504BE	DIP-16	Hex Voltage-Level Shifter	.80	.60	.45
595-CD4504BPWR	TSSOP-16	Hex Voltage-Level Shifter	.80	.60	.45
595-CD4508BE	PDIP-24	Dual 4-Bit Latch	1.55	1.24	.93
595-CD4510BE	PDIP-16	CMOS BCD Up/Down Counter	.31	.28	.25
595-CD4511BE	DIP-16	BCD-to-7 Latch Decoder	.55	.44	.33
595-CD4511BNSR	SOP-16	BCD-to-7 Latch Decoder	.29	.26	.23
595-CD4512BE	DIP-16	CMOS 8-Channel Data Selector	.31	.28	.25
595-CD4514BE	DIP-24	4-Bit Latch	1.14	.95	.76
595-CD4515BE	DIP-24	4-Bit Latch	.90	.75	.60
595-CD4516BE	DIP-16	Presettable BCD Counter	.64	.48	.36
595-CD4518BE	DIP-16	Dual BCD Up-Counter	.53	.40	.30
595-CD4520BE	DIP-16	Dual Binary Up-Counter	.48	.36	.27
595-CD4521BE	DIP-16	4-Stage Frequency Divider	.76	.57	.43
595-CD4522BE	DIP-16	CMOS BCD Divide-By-D-Counter	.32	.29	.26
595-CD4527BE	DIP-16	CMOS BCD Rate Multiplier	.38	.35	.31
595-CD4532BE	DIP-16	8-Bit Priority Encoder	.48	.36	.27
595-CD4541BE	DIP-14	Programmable Timer	.55	.44	.33
595-CD4543BE	DIP-16	BCD-to-7 Latch Decoder	.48	.36	.27
595-CD4543BMT	SOIC-16	BCD-to-7 Latch Decoder	.65	.58	.52
595-CD4556BE	DIP-16	CMOS Decoder/Demultiplexer	.43	.39	.35
595-CD4572UBE	DIP-16	Hex Gate	.99	.83	.66
595-CD4585BE	DIP-16	4-Bit Magnitude Comparator	.72	.54	.41
595-CD74AC00E	DIP-14	Quad 2-Input NAND Gate	.36	.32	.29
595-CD74AC04M	SOIC-14	Hex Inverter	.34	.30	.27
595-CD74AC05M	SOP-14	Hex Inverter	.34	.30	.27
595-CD74AC08M	SOIC-14	Quad 2-Input AND Gate	.34	.30	.27
595-CD74AC138M	SOP-16	Inverting Decoder/Demultiplexers	.34	.30	.27
595-CD74AC139E	PDIP-16	Dual 2-to-4 Line Decoder	.68	.51	.38
595-CD74AC14M	SOP-14	Hex Schmitt-Triggered Inverter	.34	.30	.27
595-CD74AC14M96	SOP-14	Hex Schmitt-Triggered Inverter	.34	.30	.27
595-CD74AC157E	DIP-16	Non-Inverting Multiplexer	.43	.39	.35
595-CD74AC164E	DIP-14	8-Bit Shift Register	.41	.37	.33
595-CD74AC238M96	SOP-16	3-Line Decoder/?Demultiplexer	1.20	1.08	.97
595-CD74AC244E	PDIP-20	Octal Inverting Buffer	.88	.74	.53
595-CD74AC257M96	SOIC-16	Non-Inverting Multiplexer	.62	.56	.50
595-CD74AC273E	DIP-20	Octal D-Type Flip-Flop	.60	.54	.49
595-CD74AC273M96	SOIC-20	Octal D-Type Flip-Flop	.60	.54	.49
595-CD74AC541E	DIP-20	Octal D-Type Flip-Flop	.97	.81	.58
595-CD74AC541M96	SOIC-20	Octal D-Type Flip-Flop	.97	.81	.58
595-CD74AC573E	DIP-20	Octal Transparent Latch	.97	.81	.58
595-CD74AC652M	SOIC-24	Octal Non-Inverting Bus Transceiver	1.68	1.51	1.36
595-CD74AC74E	PDIP-14	D-Type Flip-Flop	.36	.32	.29
595-CD74AC74M	SOP-14	D-Type Flip-Flop	.56	.42	.32
595-CD74ACT00M	SOP-14	Quad 2-Input NAND Gate	.34	.30	.27
595-CD74ACT02M96	SOIC-14	Quad 2-Input NOR Gate	.34	.30	.27
595-CD74ACT04E	DIP-14	Hex Inverter	.36	.32	.29
595-CD74ACT04M96	SOP-14	Hex Inverter	.34	.30	.27
595-CD74ACT05E	DIP-14	Hex Inverter	.60	.45	.34
595-CD74ACT05M	SOP-14	Hex Inverter	.34	.30	.27
595-CD74ACT05M96	SOIC-14	Hex Inverter	.34	.30	.27
595-CD74ACT112M96	SOP-16	Edge-Triggered J-K Flip-Flop	.36	.32	.29
595-CD74ACT138E	DIP-16	3 to 8-Line Inverting Decoder	.68	.51	.38
595-CD74ACT138M	SOP-16	3 to 8-Line Inverting Decoder	.63	.53	.38

TEXAS INSTRUMENTS Logic

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-CD74ACT138M96	SOIC-16	3 to 8-Line Inverting Decoder	.63	.53	.38
595-CD74ACT139E	DIP-16	Decoder/Demultiplexer	.41	.37	.33
595-CD74ACT139M96	SOIC-16	Decoder/Demultiplexer	.63	.53	.38
595-CD74ACT14M	SOP-14	Hex Schmitt-Triggered Inverter	.34	.30	.27
595-CD74ACT14M96	SOIC-14	Hex Schmitt-Triggered Inverter	.34	.30	.27
595-CD74ACT157E	DIP-16	2-Input Multiplexer	.75	.62	.50
595-CD74ACT157M	SOP-16	2-Input Multiplexer	.38	.35	.31
595-CD74ACT174M96	SOIC-16	Hex D-Type Flip-Flop	.75	.63	.50
595-CD74ACT245E	DIP-20	Octal Non-Inverting Bus Transceiver	.48	.43	.39
595-CD74ACT245M	SOP-20	Octal Non-Inverting Bus Transceiver	.48	.43	.39
595-CD74ACT273E	DIP-20	Octal D-Type Flip-Flop	.80	.60	.45
595-CD74ACT273M	SOP-20	Octal D-Type Flip-Flop	.48	.43	.39
595-CD74ACT32E	PDIP-14	Quad 2-Input OR Gate	.38	.33	.30
595-CD74ACT540M	SOIC-20	Octal Inverting Buffer	.80	.60	.45
595-CD74ACT541E	DIP-20	Octal Non-Inverting Buffer/Line Driver	.48	.43	.39
595-CD74ACT541M	SOP-20	Octal Non-Inverting Buffer/Line Driver	.48	.43	.39
595-CD74ACT541M96	SOIC-20	Octal Non-Inverting Buffer/Line Driver	.48	.43	.39
595-CD74ACT573M96	SOIC-20	Octal Transparent Latch	.48	.43	.39
595-CD74ACT652M96	SOIC-24	Octal Non-Inverting Bus Transceiver	1.56	1.40	1.26
595-CD74ACT74M	SOP-14	Edge-Triggered D-Type Flip-Flop	.34	.30	.27
595-CD74ACT74M96	SOIC-14	Edge-Triggered D-Type Flip-Flop	.34	.30	.27
595-CD74FCT245M	SOP-20	Octal Non-Inverting Bus Transceiver	.58	.52	.47
595-CD74HC00E	DIP-14	Quad NAND Gate	.64	.48	.36
595-CD74HC00M	SOP-14	Quad NAND Gate	.29	.26	.23
595-CD74HC00M96	SOIC-14	Quad NAND Gate	.29	.26	.23
595-CD74HC02E	DIP-14	CMOS Quad 2-Input NOR Gate	.38	.35	.31
595-CD74HC04E	DIP-14	High Speed Hex Inverter	.64	.48	.36
595-CD74HC04M	SOIC-14	High Speed Hex Inverter	.29	.26	.23
595-CD74HC04M96	SOIC-14	High Speed Hex Inverter	.29	.26	.23
595-CD74HC08E	DIP-14	CMOS Quad 2-Input AND Gate	.38	.35	.31
595-CD74HC08M96	SOIC-14	CMOS Quad 2-Input AND Gate	.29	.26	.23
595-CD74HC10E	DIP-14	Triple NAND Gate	.64	.48	.36
595-CD74HC10M	SOIC-14	Triple NAND Gate	.48	.36	.27
595-CD74HC112E	DIP-16	J-K Flip-Flop	.72	.54	.41
595-CD74HC123E	DIP-16	Dual Monostable Multivibrator	.48	.36	.27
595-CD74HC123M	SOIC-16	Dual Monostable Multivibrator	.48	.36	.27
595-CD74HC123M96	SOIC-16	Dual Monostable Multivibrator	.29	.26	.23
595-CD74HC123PWR	TSSOP-16	Dual Monostable Multivibrator	.29	.26	.23
595-CD74HC125M	SOP-14	CMOS Quad Buffer	.38	.35	.31
595-CD74HC125M96	SOIC-14	CMOS Quad Buffer	.38	.35	.31
595-CD74HC126E	DIP-14	Quad Buffer	.72	.54	.41
595-CD74HC126M96	SOIC-14	Quad Buffer	.38	.35	.31
595-CD74HC132E	DIP-14	Schmitt-Triggered NAND Gate	.43	.39	.35
595-CD74HC132M	SOP-14	Schmitt-Triggered NAND Gate	.64	.48	.36
595-CD74HC132M96	SOP-14	Schmitt-Triggered NAND Gate	.38	.35	.31
595-CD74HC138E	DIP-16	3-to-8 Line Decoder	.72	.54	.41
595-CD74HC138M	SOIC-16	3-to-8 Line Decoder	.64	.48	.36
595-CD74HC138M96	SOIC-16	3-to-8 Line Decoder	.38	.35	.31
595-CD74HC139M96	SOIC-16	Dual 2-to-4 Line Decoder	.64	.48	.36
595-CD74HC147E	DIP-16	10-to-4 Line Priority Encoder	.53	.40	.30
595-CD74HC147M	SOIC-16	10-to-4 Line Priority Encoder	.48	.42	.36
595-CD74HC14E	DIP-14	Hex Schmitt-Triggered Inverter	.64	.48	.36
595-CD74HC14M	SOP-14	Hex Schmitt-Triggered Inverter	.48	.36	.27
595-CD74HC14M96	SOIC-14	Hex Schmitt-Triggered Inverter	.29	.26	.23
595-CD74HC154EN	DIP-24	4-to-16 Line Decoder	.90	.75	.60
595-CD74HC154M	SOP-24	4-to-16 Line Decoder	.60	.45	.34
595-CD74HC154M96	SOIC-24	4-to-16 Line Decoder	.36	.32	.29
595-CD74HC157M	SOIC-16	Quad Multiplexer	.64	.48	.36
595-CD74HC164E	DIP-14	8-Bit Shift Register	.72	.54	.41
595-CD74HC165E	DIP-16	8-Bit Shift Register	.72	.54	.41
595-CD74HC165M	SOIC-16	8-Bit Shift Register	.38	.35	.31
595-CD74HC174M	SOIC-16	Hex D-Type Flip-Flop	.64	.48	.36
595-CD74HC175E	PDIP-16	Quad D-Type Flip-Flop	.72	.54	.41
595-CD74HC192E	PDIP-16	BCD Decade Up/Down Counter	.41	.37	.33
595-CD74HC194E	DIP-16	4-Bit Bidirectional Shift Register	.72	.54	.41
595-CD74HC21M	SOP-14	4 Input AND Gate	.48	.36	.27
595-CD74HC221E	DIP-16	Dual Monostable Multivibrator	.66	.50	.37
595-CD74HC221PWR	TSSOP-16	Dual Monostable Multivibrator	.36	.32	.29
595-CD74HC237E	PDIP-16	3-to-8 Line Decoder Demultiplexer	.42	.38	.34
595-CD74HC237M96	SOIC-16	3-to-8 Line Decoder Demultiplexer	.38	.35	.31
595-CD74HC238M	SOIC-16	3-to-8 Line Decoder	.48	.36	.27
595-CD74HC238PWR	TSSOP-16	3-to-8 Line Decoder	.29	.26	.23
595-CD74HC243E	PDIP-14	Inverting Octal Buffer	.66	.50	.37
595-CD74HC244E	DIP-20	Inverting Octal Buffer	.96	.72	.54
595-CD74HC244M	SOIC-20	Inverting Octal Buffer	.76	.57	.43
595-CD74HC244M96	SOIC-20	Inverting Octal Buffer	.46	.41	.37
595-CD74HC245E	DIP-20	Inverting Octal Buffer	.58	.52	.47
595-CD74HC245M	SOP-20	Inverting Octal Buffer	.76	.57	.43
595-CD74HC257M	SOIC-16	Quad Multiplexer	.76	.57	.43
595-CD74HC273E	DIP-20	Octal D-Type Flip-Flop	.96	.72	.54
595-CD74HC283E	DIP-16	4-Bit Binary Full Adder	.62	.46	.35
595-CD74HC30E	DIP-14	8-Input NAND Gate	.53	.42	.32
595-CD74HC30M	SOP-14	8-Input NAND Gate	.17	.15	.14
595-CD74HC30M96	SOIC-14	8-Input NAND Gate	.17	.15	.14
595-CD74HC32E	DIP-14	Quad OR Gate	.64	.48	.36
595-CD74HC32M	SOIC-14	Quad OR Gate	.48	.36	.27

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-CD74HC32M96	SOIC-14	Quad OR Gate	.29	.26	.23
595-CD74HC373E	DIP-20	Octal Transparent Latch	.96	.72	.54
595-CD74HC374E	DIP-20	Edge-Triggered D-Type Flip-Flop	.58	.52	.47
595-CD74HC390E	DIP-16	Dual Decade Ripple Counter	.66	.50	.37
595-CD74HC4002M	SOIC-14	Dual NOR Gate	.53	.40	.30
595-CD74HC40103E	DIP-16	8-Stage Synchronous Counter	.81	.68	.54
595-CD74HC40103M	SOP-16	8-Stage Synchronous Counter	.81	.68	.54
595-CD74HC40105E	DIP-16	FIFO Register	.78	.65	.52
595-CD74HC4017E	PDIP-16	Decade Counter	.46	.39	.35
595-CD74HC4017M	SOIC-16	Decade Counter	.56	.42	.32
595-CD74HC4020E	PDIP-16	14-Stage Binary Counter	.48	.36	.27
595-CD74HC4020M	SOIC-16	14-Stage Binary Counter	.26	.24	.21
595-CD74HC4020M96	SOIC-16	14-Stage Binary Counter	.26	.24	.21
595-CD74HC4024E	DIP-14	7-Stage Binary Ripple Counter	.53	.40	.30
595-CD74HC4024M	SOP-14	7-Stage Binary Ripple Counter	.29	.26	.23
595-CD74HC4040M96	SOIC-16	12-Stage Binary Counter	.38	.35	.31
595-CD74HC4046AE	DIP-16	Phase-Locked-Loop	.60	.45	.34
595-CD74HC4046AM	SOIC-16	Phase-Locked-Loop	.36	.32	.29
595-CD74HC4046AM96	SOIC-16	Phase-Locked-Loop	.36	.32	.29
595-CD74HC4046APWR	TSSOP-16	Phase-Locked-Loop	.36	.32	.29
595-CD74HC4049E	DIP-16	Hex Inverting Buffer	.37	.33	.30
595-CD74HC4049M	SOIC-16	Hex Inverting Buffer	.56	.42	.32
595-CD74HC4050E	DIP-16	Hex Inverting Buffer	.26	.24	.21
595-CD74HC4050M	SOIC-16	Hex Inverting Buffer	.50	.40	.30
595-CD74HC4050M96	SOIC-16	Hex Inverting Buffer	.24	.22	.19
595-CD74HC4050PWR	TSSOP-16	Hex Inverting Buffer	.24	.22	.19
595-CD74HC4051E	DIP-16	8-Channel Multiplexer	.48	.36	.27
595-CD74HC4051M	SOIC-16	8-Channel Multiplexer	.55	.44	.33
595-CD74HC4051M96	SOIC-16	8-Channel Multiplexer	.26	.24	.21
595-CD74HC4051PWR	SOP-16	8-Channel Multiplexer	.26	.24	.21
595-CD74HC4052E	DIP-16	Differential Multiplexer	.53	.40	.30
595-CD74HC4052M	SOIC-16	Differential Multiplexer	.48	.36	.27
595-CD74HC4052M96	SOIC-16	Differential Multiplexer	.29	.26	.23
595-CD74HC4052PWR	TSSOP-16	Differential Multiplexer	.29	.26	.23
595-CD74HC4053E	DIP-16	Triple 2-Channel Multiplexer	.26	.24	.21
595-CD74HC4053M	SOIC-16	Triple 2-Channel Multiplexer	.50	.40	.30
595-CD74HC4053M96	SOIC-16	Triple 2-Channel Multiplexer	.24	.22	.19
595-CD74HC4053PWR	TSSOP-16	Triple 2-Channel Multiplexer	.24	.22	.19
595-CD74HC4066E	DIP-14	Quad Bilateral Switch	.48	.36	.27
595-CD74HC4066M96	SOP-14	Quad Bilateral Switch	.26	.24	.21
595-CD74HC4066PWR	TSSOP-14	Quad Bilateral Switch	.26	.24	.21
595-CD74HC4067M	SOIC-24	16-Ch Multiplexer/Demultiplexer	.43	.39	.35
595-CD74HC4067SM96	SSOP-24	16-Ch Multiplexer/Demultiplexer	.53	.48	.43
595-CD74HC4075E	PDIP-14	Triple OR Gate	.32	.29	.26
595-CD74HC4075M	SOP-14	Triple OR Gate	.48	.36	.27
595-CD74HC4094M96	SOIC-16	Shift and Store Bus Register	.29	.26	.23
595-CD74HC423E	DIP-16	Monostable Multivibrator	.46	.41	.37
595-CD74HC4316M	SOP-16	Quad Analog Switch	.43	.39	.35
595-CD74HC4316M96	SOIC-16	Quad Analog Switch	.43	.39	.35
595-CD74HC4511E	DIP-16	BCD-to-7 Segment Latch	.80	.60	.45
595-CD74HC4515EN	PDIP-24	4-to-16 Line Decoder/Demultiplexer	2.04	1.84	1.65
595-CD74HC4538E	DIP-16	Dual Retriggerable Multivibrator	.48	.43	.39
595-CD74HC4538M	SOP-16	Dual Retriggerable Multivibrator	.72	.54	.41
595-CD74HC533E	PDIP-20	Octal Inverting Transparent Latch	1.05	.93	.84
595-CD74HC534E	PDIP-20	Edge-Triggered D-Type Flip-Flop	1.01	.91	.81
595-CD74HC540E	DIP-20	Octal Buffer and Line Driver	.58	.52	.47
595-CD74HC541M	SOIC-20	Octal Non-Inv Buffer and Line Driver	.48	.43	.39
595-CD74HC564E	PDIP-20	Edge-Triggered D-Type Flip-Flop	.55	.50	.45
595-CD74HC573M96	SOIC-20	Octal Transparent Latch	.48	.43	.39
595-CD74HC574M	SOIC-20	Edge-Triggered D-Type Flip-Flop	.48	.43	.39
595-CD74HC597M96	SOIC-16	8-Bit Shift Register	.84	.76	.68
595-CD74HC7046AE	PDIP-16	Phase-Locked-Loop	1.93	1.54	1.16
595-CD74HC7046AM	SOIC-16	Phase-Locked-Loop	1.85	1.66	1.49
595-CD74HC7266E	PDIP-14	Quad Exclusive-NOR Gate	1.04	.78	.59
595-CD74HC73E	PDIP-14	Edge-Triggered J-K Flip-Flop	.36	.32	.29
595-CD74HC73M96	SOIC-14	Edge-Triggered J-K Flip-Flop	.36	.32	.29
595-CD74HC74E	DIP-14	D-Type Flip-Flop	.64	.48	.36
595-CD74HC74M	SOIC-14	D-Type Flip-Flop	.29	.26	.23
595-CD74HC74M96	SOIC-14	D-Type Flip-Flop	.29	.26	.23
595-CD74HC75E	DIP-16	Dual Bistable Transparent Latch	.80	.60	.45
595-CD74HC85E	DIP-16	4-Bit Magnitude Comparator	.81	.68	.54
595-CD74HC86E	DIP-14	Quad 2-Input Exc. OR Gate	.43	.39	.35
595-CD74HCT00E	DIP-14	Quad NAND Gate	.64	.48	.36
595-CD74HCT00M	SOP-14	Quad NAND Gate	.29	.26	.23
595-CD74HCT00M96	SOIC-14	Quad NAND Gate	.29	.26	.23
595-CD74HCT02E	DIP-14	Quad Two-Input NOR Gate	.64	.48	.36
595-CD74HCT03E	DIP-14	Quad NAND Gate	.53	.42	.32
595-CD74HCT03M	SOIC-14	Quad NAND Gate	.17	.15	.14
595-CD74HCT03M96	SOP-14	Quad NAND Gate	.17	.15	.14
595-CD74HCT04E	DIP-14	High Speed Hex Inverter	.64	.48	.36
595-CD74HCT04M	SOP-14	High Speed Hex Inverter	.29	.26	.23
595-CD74HCT08M	SOIC-14	Quad 2-Input AND Gate	.29	.26	.23
595-CD74HCT08M96	SOIC-14	Quad 2-Input AND Gate	.29	.26	.23
595-CD74HCT109E	DIP-16	Dual J-K Flip-Flop	.72	.54	.41
595-CD74HCT10E	DIP-14	Triple NAND Gate	.64	.48	.36
595-CD74HCT11E	DIP-14	Triple 3-Input AND Gate	.53	.42	.32

TEXAS INSTRUMENTS Logic

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-CD74HCT123E	DIP-16	Dual Monostable Multivibrator	.53	.40	.30
595-CD74HCT123M	SOP-16	Dual Monostable Multivibrator	.48	.36	.27
595-CD74HCT125E	DIP-14	Quad Buffer	.72	.54	.41
595-CD74HCT125M	SOIC-14	Quad Buffer	.38	.35	.31
595-CD74HCT132E	DIP-14	Quad NAND Gate	.53	.40	.30
595-CD74HCT138M96	SOIC-16	3-to-8 Line Decoder/Demultiplexer	.38	.35	.31
595-CD74HCT139M	SOIC-16	Dual 2-to-4 Line Decoder	.38	.35	.31
595-CD74HCT14E	DIP-14	Hex Schmitt-Triggered Inverter	.64	.48	.36
595-CD74HCT14M	SOP-14	Hex Schmitt-Triggered Inverter	.29	.26	.23
595-CD74HCT14M96	SOIC-14	Hex Schmitt-Triggered Inverter	.29	.26	.23
595-CD74HCT151E	PDIP-16	8-Input Multiplexer	.48	.36	.27
595-CD74HCT157E	DIP-16	Quad 2-Input Multiplexer	.43	.39	.35
595-CD74HCT161E	DIP-16	4-Bit Binary Counter	.53	.40	.30
595-CD74HCT164E	DIP-14	8-Bit Shift Register	.53	.40	.30
595-CD74HCT165E	DIP-16	8-Bit Shift Register	.53	.40	.30
595-CD74HCT165M	SOP-16	8-Bit Shift Register	.48	.36	.27
595-CD74HCT165M96	SOIC-16	8-Bit Shift Register	.29	.26	.23
595-CD74HCT166E	DIP-16	8-Bit Shift Register	.53	.40	.30
595-CD74HCT174E	DIP-16	Hex D-Type Flip-Flop	.53	.40	.30
595-CD74HCT175E	DIP-16	Quad D-Type Flip-Flop	.53	.40	.30
595-CD74HCT21E	DIP-14	Dual 4-Input AND Gate	.53	.42	.32
595-CD74HCT244E	DIP-20	Inverting Octal Buffer	.58	.52	.47
595-CD74HCT244M	SOIC-20	Inverting Octal Buffer	.76	.57	.43
595-CD74HCT245E	DIP-20	Octal Bus Transceiver	.58	.52	.47
595-CD74HCT245M	SOIC-20	Octal Bus Transceiver	.76	.57	.43
595-CD74HCT259E	DIP-16	8-Bit Addressable Latch	.62	.46	.35
595-CD74HCT273E	DIP-20	Octal D-Type Flip-Flop	.96	.72	.54
595-CD74HCT273M96	SOIC-20	Octal D-Type Flip-Flop	.46	.41	.37
595-CD74HCT283M	SOIC-16	4-Bit Binary Full Adder	.38	.35	.31
595-CD74HCT299M	SOP-20	8-Bit Universal Shift Register	.72	.54	.41
595-CD74HCT30E	DIP-14	8-Input NAND Gate	.25	.23	.20
595-CD74HCT32E	DIP-14	Quad Two-Input OR Gate	.64	.48	.36
595-CD74HCT32M	SOIC-14	Quad Two-Input OR Gate	.29	.26	.23
595-CD74HCT365E	DIP-16	Hex Buffer	.64	.48	.36
595-CD74HCT365M96	SOIC-16	Hex Buffer	.38	.35	.31
595-CD74HCT368M96	SOIC-16	Hex Buffer/Line Driver	.38	.35	.31
595-CD74HCT373E	DIP-20	Octal Transparent Latch	.58	.52	.47
595-CD74HCT373M96	SOIC-20	Octal Transparent Latch	.48	.42	.38
595-CD74HCT374E	DIP-20	Octal D-Type Flip-Flop	.96	.72	.54
595-CD74HCT390M	SOP-16	Dual Decade Ripple Counter	.52	.39	.29
595-CD74HCT393E	DIP-14	Dual 4-Stage Binary Counter	.52	.39	.29
595-CD74HCT40105M	SOIC-16	4-Bit by 16-Word FIFO Register	1.04	.78	.59
595-CD74HCT4020M	SOP-16	14-Stage Binary Counter	.48	.36	.27
595-CD74HCT4040E	DIP-16	12-Stage Binary Counter	.70	.53	.40
595-CD74HCT4046AM	SOP-16	Phase-Locked-Loop	.60	.45	.34
595-CD74HCT4046AM96	SOIC-16	Phase-Locked-Loop	.36	.32	.29
595-CD74HCT4051E	DIP-16	8-Channel Multiplexer	.52	.39	.29
595-CD74HCT4052E	PDIP-16	Differential Multiplexer	.56	.42	.32
595-CD74HCT4053M	SOIC-16	2-Channel Multiplexer/Demultiplexer	.24	.22	.19
595-CD74HCT4053PWR	TSSOP-16	2-Channel Multiplexer/Demultiplexer	.24	.22	.19
595-CD74HCT4060M	SOIC-16	14-Stage Binary Counter	.68	.51	.38
595-CD74HCT4066E	DIP-14	Quad Bilateral Switch	.41	.37	.33
595-CD74HCT4066M96	SOP-14	Quad Bilateral Switch	.41	.37	.33
595-CD74HCT4094E	DIP-16	8-Stage Bus Register	.68	.51	.38
595-CD74HCT4538E	DIP-16	Dual Retriggerable Multivibrator	.72	.54	.41
595-CD74HCT540E	DIP-20	Octal Inverting Buffer	.96	.72	.54
595-CD74HCT563E	PDIP-20	8-Bit Shift Register	.60	.45	.34
595-CD74HCT573E	DIP-20	Octal Transparent Latch	.96	.72	.54
595-CD74HCT573M96	SOP-20	Octal Transparent Latch	.46	.41	.37
595-CD74HCT574E	DIP-20	Edge-Triggered D-Type Flip-Flop	.58	.52	.47
595-CD74HCT597E	DIP-16	8-Bit Shift Register	.96	.79	.58
595-CD74HCT688M	SOP-20	8-Bit Identity/Magnitude Comparator	.48	.43	.39
595-CD74HCT7046AM96	SOIC-16	Phase-Locked-Loop	1.78	1.60	1.44
595-CD74HCT73E	DIP-14	Dual J-K Flip-Flop	.80	.60	.45
595-CD74HCT74E	DIP-14	Dual D Flip-Flop	.64	.48	.36
595-CD74HCT74M	SOP-14	Dual D Flip-Flop	.48	.36	.27
595-CD74HCT74M96	SOIC-14	Dual D Flip-Flop	.29	.26	.23
595-CD74HCT85E	PDIP-16	4-bit Magnitude Comparator	.65	.58	.52
595-CD74HCT86E	DIP-14	Quad Exclusive-OR Gate	.72	.54	.41
595-CD74HCT86M	SOP-14	Quad Exclusive-OR Gate	.38	.35	.31
595-CDCM7005RGZT	QFN-48	Low Skew Clock Synchronizer	23.70	21.33	18.96
595-CDCV304PW	TSSOP-8	Clock Buffer	2.36	1.89	1.47
595-CDCV855PW	TSSOP-28	1:4 DDR PLL Clock Driver	2.76	2.48	2.23
595-CDCVF2310PW	TSSOP-24	1:10 Clock Buffer	4.61	3.69	2.87
595-CDCVF2505D	SOIC-8	PLL Clock Driver	1.78	1.42	1.07
595-CDCVF2505PW	TSSOP-8	PLL Clock Driver	1.78	1.42	1.07
595-CDCVF25081PW	TSSOP-16	3.3V Phase-Lock-Loop Clock Driver	2.86	2.57	2.31
595-CDCVF25084PW	TSSOP-16	3.3V x4 Clock Multiplier	5.51	4.41	3.43
595-CDCVF2510PW	TSSOP-24	3.3V Phase-Lock-Loop Clock Driver	5.14	4.62	4.15
595-CDCVF857DGG	TSSOP-48	DDR Clock Driver	5.98	4.78	4.04
595-CY74FCT157CTSOCT	SOIC-16	Quad 2-Input Multiplexer	.83	.73	.66
595-CY74FCT16652TPVC	SSOP-56	16-Bit Bus Transceiver and Register	1.38	1.21	1.10
595-CY74FCT244DTSOC	SOIC-20	Octal Buffer and Line Driver	.43	.39	.35
595-CY74FCT245ATPC	DIP-20	Octal Bus Transceiver	.43	.39	.35
595-CY74FCT245ATQCT	SSOP-20	Octal Bus Transceiver	.43	.39	.35
595-CY74FCT245ATSOC	SOIC-20	Octal Bus Transceiver	.43	.39	.35
595-CY74FCT573ATQCT	SSOP-20	Octal Transparent D-Type Latch	.45	.40	.36
595-CY74FCT573CTSOC	SOIC-20	Octal Transparent D-Type Latch	.45	.36	.27
595-CY74FCT827ATSOCT	SOIC-24	10-Bit Buffer/Driver	.45	.40	.36
595-DRV134PA	PDIP-8	Audio Balanced Line Driver	4.39	3.51	2.73
595-DRV135UA	SOIC-8	Audio Balanced Line Driver	4.39	3.51	2.73
595-DS3680D	SOP-14	Quad Telephone Relay Driver	.84	.70	.56
595-L293DNE	DIP-16	Quad Half-H Driver	2.75	2.20	1.71
595-L293NE	DIP-16	Quad Half-H Driver	2.93	2.64	2.37
595-MAX4594DBVR	SOP-5	10-Ohm SPST Analog Switch	.78	.65	.52
595-MC3487DR	SOIC-16	Quadruple Differential Line Driver	.60	.54	.49
595-MPC506AU	SOIC-28	16-Channel Analog Multiplexer	9.03	8.13	7.21
595-MPC508AP	PDIP-16	8-Channel Analog Multiplexer	5.32	4.26	3.59
595-MPY634KP	PDIP-14	Precision Analog Multiplier	17.63	16.45	15.28
595-NE555D	SOIC-8	Single Precision Timer	.45	.36	.27
595-NE555P	DIP-8	Single Precision Timer	.45	.36	.27
595-NE556D	SOIC-14	Dual Precision Timer	.24	.22	.19
595-NE556N	DIP-14	Dual Precision Timer	.48	.36	.27
595-PCA9306DCTR	SSOP-8	Dual Bi-Directional I2C-Bus	.90	.75	.60
595-PCA9306DCUR	VSSOP-8	Dual Bi-Directional I2C-Bus	.90	.75	.60
595-PCA9539PW	TSSOP-24	16-Bit I2C & SMBus	2.52	2.27	2.04
595-PCA9539RGER	QFN-24	16-Bit I2C & SMBus	2.36	1.89	1.47
595-PCA9544APW	TSSOP-20	4-Channel Multiplexer	1.91	1.73	1.57
595-PCA9545APW	TSSOP-20	4-Channel Multiplexer	1.94	1.76	1.60
595-PCA9546APWT	TSSOP-16	4-Channel Multiplexer	1.88	1.70	1.54
595-PCA9554DB	SSOP-16	Remote 8-Bit I/O Expander	1.70	1.37	1.04
595-PCA9554PW	TUBE	Remote 8-Bit I/O Expander	1.70	1.37	1.04
595-PCF8574ADWR	SOIC-16	Remote 8-Bit I/O Expander	1.88	1.50	1.13
595-PCF8574APWR	TSSOP-16	Remote 8-Bit I/O Expander	1.88	1.50	1.13
595-PCF8574DWR	SOIC-16	Remote 8-Bit I/O Expander	1.88	1.50	1.14
595-PCF8574PWR	TSSOP-16	Remote 8-Bit I/O Expander	1.88	1.50	1.13
595-PCF8575DW	SOIC-24	16-Bit I2C & SMBus Expander	2.25	1.98	1.80
595-PCF8575PWR	TSSOP-24	16-Bit I2C & SMBus Expander	2.03	1.62	1.26
595-PCF8575RGER	QFN-24	16-Bit I2C & SMBus Expander	2.25	1.80	1.35
595-SA555D	SOP-8	Precision Timer	.29	.26	.23
595-SA555DR	SOIC-8	Precision Timer	.29	.26	.23
595-SA555P	DIP-8	Precision Timer	.48	.36	.27
595-SA556N	PDIP-14	Dual Precision Timer	.75	.75	.60
595-SE555D	SOP-8	Single Precision Timer	.67	.60	.54
595-SE555P	DIP-8	Single Precision Timer	.84	.70	.56
595-SN64BCT25244NT	PDIP-24	Octal 25-Ohm Buffer	6.00	4.80	4.05
595-SN65MLVD2DRBT	SON-8	Single Ch M-LVDS Type 1 Receiver	4.00	3.52	3.20
595-SN65MLVD3DRBT	SON-8	1-Chan M-LVDS Type 2 Receiver	4.00	3.52	3.20
595-SN7400N	DIP-14	Quad positive-NAND Gate	1.37	1.17	.98
595-SN7404N	DIP-14	Hex Inverter	1.82	1.56	1.30
595-SN7406D	SOIC-14	Hex inverter Buffer	.96	.80	.64
595-SN7406N	DIP-14	Hex inverter Buffer	1.05	.88	.70
595-SN7406NSR	SOP-14	Hex inverter Buffer	1.51	1.29	1.08
595-SN7407D	SOIC-14	Hex Buffer	.96	.80	.64
595-SN7407N	DIP-14	Hex Buffer	.96	.80	.64
595-SN74121N	PDIP-14	Monostable Multivibrator	3.29	2.82	2.35
595-SN74154N	PDIP-24	4-Line To 16-Line Decoder	2.30	1.84	1.43
595-SN7416N	DIP-14	Hex inverter Buffer	1.68	1.44	1.20
595-SN7417N	DIP-14	Hex Buffer	1.61	1.38	1.15
595-SN7438N	DIP-14	Quad 2-Input NAND Buffer	1.51	1.29	1.08
595-SN74ABT125D	SOIC-14	Quadruple Bus Buffer Gates	.38	.35	.31
595-SN74ABT125PW	TSSOP-14	Quadruple Bus Buffer Gates	.42	.38	.34
595-SN74ABT126D	SOIC-14	Quadruple Bus Buffer Gates	.38	.35	.31
595-SN74ABT16244ADL	SSOP-48	16-Bit Buffer	1.20	1.00	.80
595-SN74ABT16245ADL	SSOP-48	16-Bit Bus Transceiver	1.20	1.00	.80
595-SN74ABT162500DLR	SSOP-56	18-Bit Universal Bus Transceiver	3.96	3.56	3.20
595-SN74ABT16373ADLR	SSOP-48	16-Bit Transparent D-Type Latch	1.06	.95	.85
595-SN74ABT16374ADL	SSOP-48	Edge-Triggered D-Type Flip-Flop	1.06	.95	.85
595-SN74ABT16501DLR	SSOP-56	18-Bit Universal Bus Transceiver	2.76	2.48	2.23
595-SN74ABT16952DLR	SSOP-56	16-Bit Registered Transceiver	3.48	3.13	2.81
595-SN74ABT18502PM	LQFP-64	Scan Test Device	21.60	19.44	17.46
595-SN74ABT18640DL	SSOP-56	Scan Test Device	14.64	13.18	11.83
595-SN74ABT2244ADWR	SOIC-20	Octal Buffer and Line/MOS Driver	.53	.48	.43
595-SN74ABT240ADWR	SOIC-20	Octal Buffer/Driver	.53	.48	.43
595-SN74ABT244ADBR	SSOP-20	Octal Buffer	.48	.43	.39
595-SN74ABT244ADW	SOIC-20	Octal Buffer	.80	.60	.45
595-SN74ABT244AN	DIP-20	Octal Buffer	.48	.43	.39
595-SN74ABT244APWR	TSSOP-20	Octal Buffer	.48	.43	.39
595-SN74ABT245BDBR	SSOP-20	Octal Bus Transceiver	.43	.39	.35
595-SN74ABT245BDW	SOIC-20	Octal Bus Transceiver	.43	.39	.35
595-SN74ABT245BN	DIP-20	Octal Bus Transceiver	.43	.39	.35
595-SN74ABT245BPWR	TSSOP-20	Octal Bus Transceiver	.43	.39	.35
595-SN74ABT541BDW	SOIC-20	Octal Buffers/Drivers	.55	.50	.45
595-SN74ABT541BN	DIP-20	Octal Buffers/Drivers	.58	.52	.47
595-SN74ABT574ADW	SOIC-20	Edge-Triggered D-Type Flip-Flop	.48	.43	.39
595-SN74ABT652ADWR	SOIC-24	Octal Registered Transceiver	1.13	1.02	.91
595-SN74ABT7820-20PN	LQFP-80	512 x 18 x 2 FIFO Memory	28.51	25.66	23.05
595-SN74ABT833DW	SOIC-24	8-Bit to 9-Bit Parity Bus Transceiver	1.32	1.19	1.07
595-SN74AC00D	SOIC-14	Quad Positive-NAND Gate	.45	.36	.27
595-SN74AC00N	DIP-14	Quad Positive-NAND Gate	.24	.22	.19
595-SN74AC00PWR	TSSOP-14	Quad Positive-NAND Gate	.22	.19	.17
595-SN74AC04D	SOIC-14	Hex Inverter	.22	.19	.17

TEXAS INSTRUMENTS Logic

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74AC04PWR	TSSOP-14	Hex Inverter	.30	.26	.21
595-SN74AC08D	SOIC-14	Quadruple 2-Input AND Gate	.30	.26	.21
595-SN74AC08PW	TSSOP-14	Quadruple 2-Input AND Gate	.22	.19	.17
595-SN74AC10DR	SOIC-14	Triple 3-Input NAND Gate	.24	.22	.19
595-SN74AC14D	SOIC-14	Hex Inverter	.30	.26	.21
595-SN74AC14N	DIP-14	Hex Inverter	.39	.33	.28
595-SN74AC240DWR	SOIC-20	Octal Buffer/Driver	.38	.35	.31
595-SN74AC244DW	SOIC-20	Octal Buffer/Driver	.48	.43	.39
595-SN74AC245DW	SOIC-20	Octal Bus Transceiver	.48	.43	.39
595-SN74AC32D	SOIC-14	Quadruple 2-Input OR Gate	.22	.19	.17
595-SN74AC573DWR	SOIC-20	Octal D-Type Transparent Latch	.48	.43	.39
595-SN74AC573PWR	TSSOP-20	Octal D-Type Transparent Latch	.48	.43	.39
595-SN74AC74D	SOIC-14	D-Type Flip-Flop	.32	.28	.23
595-SN74AC74N	DIP-14	D-Type Flip-Flop	.35	.30	.25
595-SN74ACT00D	SOIC-14	Quadruple 2-Input NAND Gate	.22	.19	.17
595-SN74ACT00N	DIP-14	Quadruple 2-Input NAND Gate	.24	.22	.19
595-SN74ACT04D	SOIC-14	Hex Inverter	.30	.26	.21
595-SN74ACT04N	DIP-14	Hex Inverter	.35	.30	.25
595-SN74ACT04PWR	TSSOP-14	Hex Inverter	.30	.26	.21
595-SN74ACT08D	SOIC-14	Quad Positive-AND Gate	.22	.19	.17
595-SN74ACT08N	DIP-14	Quad Positive-AND Gate	.50	.40	.30
595-SN74ACT1284DW	SOIC-20	7-Bit Bus Interfaces	.84	.70	.56
595-SN74ACT14D	SOIC-14	Hex Inverter	.43	.34	.26
595-SN74ACT240DWR	SOIC-20	Octal Buffer/Driver	.34	.30	.27
595-SN74ACT244DBR	SSOP-20	Octal Buffer	.48	.43	.39
595-SN74ACT244DW	SOIC-20	Octal Buffer	.80	.60	.45
595-SN74ACT244DWR	SOIC-20	Octal Buffer	.80	.60	.45
595-SN74ACT244PW	TSSOP-20	Octal Buffer	.48	.43	.39
595-SN74ACT244PWR	TSSOP-20	Octal Buffer	.80	.60	.45
595-SN74ACT245DW	SOIC-20	Octal Bus Transceiver	.80	.60	.45
595-SN74ACT245DWR	SOIC-20	Octal Bus Transceiver	.48	.43	.39
595-SN74ACT245PWR	TSSOP-20	Octal Bus Transceiver	.48	.43	.39
595-SN74ACT32DR	SOIC-14	Quad Two-Input OR Gate	.22	.19	.17
595-SN74ACT32N	DIP-14	Quad Two-Input OR Gate	.50	.40	.30
595-SN74ACT32PWR	TSSOP-14	Quad Two-Input OR Gate	.22	.19	.17
595-SN74ACT373DWR	SOIC-20	Octal D-Type Transparent Latch	.50	.44	.40
595-SN74ACT573DW	SOIC-20	Octal D-Type Transparent Latch	.48	.43	.39
595-SN74ACT573N	DIP-20	Octal D-Type Transparent Latch	.48	.43	.39
595-SN74ACT74D	SOIC-14	D-Type Flip-Flop	.32	.28	.23
595-SN74ACT74N	DIP-14	D-Type Flip-Flop	.46	.37	.28
595-SN74ACT7803-15DL	SSOP-56	512 x 18 Synch FIFO Memory	19.01	17.11	15.36
595-SN74ACT780715PAG	TQFP-64	2048 x 9 Synch FIFO Memory	28.51	25.66	23.05
595-SN74ACT86D	SOIC-14	Quad Two-Input OR Gate	.46	.37	.28
595-SN74ACT8997DW	SOIC-28	Scan Path Linkers	12.00	10.80	9.70
595-SN74AHC00DR	SOIC-14	Quadruple 2-Input NAND Gate	.17	.15	.14
595-SN74AHC00PWR	TSSOP-14	Quadruple 2-Input NAND Gate	.17	.15	.14
595-SN74AHC02PWR	TSSOP-14	Quadruple 2-Input NOR Gate	.17	.15	.14
595-SN74AHC04D	SOIC-14	Hex Inverter	.17	.15	.14
595-SN74AHC04DR	SOIC-14	Hex Inverter	.17	.15	.14
595-SN74AHC04PWR	TSSOP-14	Hex Inverter	.17	.15	.14
595-SN74AHC05D	SOIC-14	Hex Inverter	.17	.15	.14
595-SN74AHC08D	SOIC-14	Quad Positive-AND Gate	.46	.37	.25
595-SN74AHC08N	DIP-14	Quad Positive-AND Gate	.32	.26	.21
595-SN74AHC08PWR	TSSOP-14	Quad Positive-AND Gate	.17	.15	.14
595-SN74AHC123APWR	TSSOP-16	Dual Monostable Multivibrator	.26	.24	.21
595-SN74AHC125D	SOIC-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74AHC125PWR	TSSOP-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74AHC132DR	SOIC-14	Quadruple Positive-NAND Gate	.26	.24	.21
595-SN74AHC138PWR	TSSOP-16	Decoder/Demultiplexer	.26	.24	.21
595-SN74AHC14D	SOIC-14	Hex Schmitt-Trigger Inverter	.21	.18	.14
595-SN74AHC14PWR	TSSOP-14	Hex Schmitt-Trigger Inverter	.17	.15	.14
595-SN74AHC16373DL	SSOP-48	16-Bit Transparent D-Type Latch	1.10	.99	.89
595-SN74AHC1G00DBVR	SOT-23-5	Single Positive-NAND Gate	.39	.32	.22
595-SN74AHC1G00DCKR	SC70-5	Single Positive-NAND Gate	.14	.13	.12
595-SN74AHC1G02DBVR	SOT-23-5	Single 2-Input Positive NOR Gate	.14	.13	.12
595-SN74AHC1G02DCKR	SC70-5	Single 2-Input Positive NOR Gate	.14	.13	.12
595-SN74AHC1G04DBVR	SOT-23-5	Single Inverter Gate	.39	.32	.22
595-SN74AHC1G04DCKR	SC70-5	Single Inverter Gate	.39	.32	.22
595-SN74AHC1G08DBVR	SOT-23-5	Single Positive-AND Gate	.39	.32	.22
595-SN74AHC1G08DCKR	SOP-5	Single Positive-AND Gate	.39	.32	.22
595-SN74AHC1G08DRLR	SOP-5	Single Positive-AND Gate	.42	.35	.24
595-SN74AHC1G125DBVR	SOT-23-5	Single Bus Buffer Gate	.39	.32	.22
595-SN74AHC1G125DCKR	SC70-5	Single Bus Buffer Gate	.39	.32	.22
595-SN74AHC1G14DBVR	SOT-23-5	Single Inverter Gate	.39	.32	.22
595-SN74AHC1G14DCKR	SC70-5	Single Inverter Gate	.39	.32	.22
595-SN74AHC1G32DBVR	SOT-23-5	Single Positive-OR Gate	.39	.32	.22
595-SN74AHC1G32DCKR	SC70-5	Single Positive-OR Gate	.39	.32	.22
595-SN74AHC1G86DBVR	SOT-23-5	Single 2-Input Exclusive OR Gate	.14	.13	.12
595-SN74AHC1G86DCKR	SC70-5	Single 2-Input Exclusive OR Gate	.14	.13	.12
595-SN74AHC1GU04DBVR	SOT-23-5	Single Inverter	.14	.13	.12
595-SN74AHC244DW	SOIC-20	Octal Buffer/Driver	.36	.32	.29
595-SN74AHC244PWR	TSSOP-20	Octal Buffer/Driver	.36	.32	.29
595-SN74AHC245PWR	TSSOP-20	Octal Bus Transceiver	.29	.26	.23
595-SN74AHC541PWR	TSSOP-20	Octal Buffer/Driver	.34	.30	.27
595-SN74AHC573DW	SOIC-20	Octal Transparent D-Type Latch	.36	.32	.29
595-SN74AHC573DWR	SOIC-20	Octal Transparent D-Type Latch	.36	.32	.29

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74AHC573PWR	TSSOP-20	Octal Transparent D-Type Latch	.60	.45	.34
595-SN74AHC574PWR	TSSOP-20	Edge-Triggered D-Type Flip-Flop	.36	.32	.29
595-SN74AHC594PW	TSSOP-16	8-Bit Shift Register	.72	.60	.48
595-SN74AHC74D	SOIC-14	D-Type Flip-Flop	.21	.18	.14
595-SN74AHC74DR	SOIC-14	D-Type Flip-Flop	.17	.15	.14
595-SN74AHC74PWR	TSSOP-14	D-Type Flip-Flop	.17	.15	.14
595-SN74AHC86D	SOIC-14	Quadruple 2-Input Exc OR Gate	.17	.15	.14
595-SN74AHCT04D	SOIC-14	Hex Inverter	.46	.37	.25
595-SN74AHCT04PWR	TSSOP-14	Hex Inverter	.17	.15	.14
595-SN74AHCT125D	SOIC-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74AHCT125PWR	TSSOP-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74AHCT126PWR	TSSOP-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74AHCT132PWR	TSSOP-14	Quadruple Positive-NAND Gate	.26	.24	.21
595-SN74AHCT138PWR	TSSOP-16	Decoder/Demultiplexer	.26	.24	.21
595-SN74AHCT14D	SOIC-14	Hex Schmitt-Trigger Inverter	.17	.15	.14
595-SN74AHCT14PWR	TSSOP-14	Hex Schmitt-Trigger Inverter	.17	.15	.14
595-SN74AHCT1G00DBVR	SOT-23-5	Single 2-Input Positive NAND Gage	.14	.13	.12
595-SN74AHCT1G04DBVR	SOT-23-5	Single Inverter Gate	.39	.32	.22
595-SN74AHCT1G04DCKR	SOT-5	Single Inverter Gate	.14	.13	.12
595-SN74AHCT1G08DBVR	SOT-23-5	Single Positive-AND Gate	.39	.32	.22
595-SN74AHCT1G08DCKR	SOT-5	Single Positive-AND Gate	.14	.13	.12
595-SN74AHCT1G14DBVR	SOT-23-5	Single Inverter Gate	.39	.32	.22
595-SN74AHCT1G14DCKR	SOT-5	Single Inverter Gate	.14	.13	.12
595-SN74AHCT1G32DBVR	SOT-23-5	Single Positive-OR Gate	.39	.32	.22
595-SN74AHCT1G32DCKR	SOT-5	Single Positive-OR Gate	.14	.13	.12
595-SN74AHCT1G86DBVR	SOT-23-5	Single 2-Input Exclusive OR Gate	.14	.13	.12
595-SN74AHCT244DW	SOIC-20	Octal Buffer/Driver	.36	.32	.29
595-SN74AHCT244PW	TSSOP-20	Octal Buffer/Driver	.36	.32	.29
595-SN74AHCT244PWR	TSSOP-20	Octal Buffer/Driver	.36	.32	.29
595-SN74AHCT245DW	SOIC-20	Octal Bus Transceiver	.36	.32	.29
595-SN74AHCT245PWR	TSSOP-20	Octal Bus Transceiver	.36	.32	.29
595-SN74AHCT273N	PDIP-20	Octal D-Type Flip-Flops	.45	.38	.30
595-SN74AHCT273PWR	TSSOP-20	Octal D-Type Flip-Flops	.36	.32	.29
595-SN74AHCT32PWR	TSSOP-14	Quadruple 2-Input OR Gate	.17	.15	.14
595-SN74AHCT541DWR	SOIC-20	Octal Buffer/Driver	.36	.32	.29
595-SN74AHCT541PWR	TSSOP-20	Octal Buffer/Driver	.36	.32	.29
595-SN74AHCT573DW	SOIC-20	Octal Transparent Latch	.36	.32	.29
595-SN74AHCT573PWR	TSSOP-20	Octal Transparent Latch	.36	.32	.29
595-SN74AHCT574PWR	TSSOP-20	Edge-Triggered D-Type Flip-Flop	.36	.32	.29
595-SN74AHCT74D	SOIC-14	Edge-Triggered D-Type Flip-Flop	.17	.15	.14
595-SN74AHCT74PWR	TSSOP-14	Edge-Triggered D-Type Flip-Flop	.17	.15	.14
595-SN74ALS00AD	SOIC-14	Quadruple 2-Input NAND Gate	.63	.54	.45
595-SN74ALS00AN	DIP-14	Quadruple 2-Input NAND Gate	.70	.60	.50
595-SN74ALS04BD	SOIC-14	Hex Inverter	.63	.54	.45
595-SN74ALS08D	SOIC-14	Quad Positive-AND Gate	.63	.54	.45
595-SN74ALS08N	DIP-14	Quad Positive-AND Gate	.67	.57	.48
595-SN74ALS1005D	SOIC-14	Hex Inverter	2.03	1.74	1.45
595-SN74ALS1034D	SOIC-14	Hex Non-Inverting Driver	2.56	2.19	1.83
595-SN74ALS138AD	SOIC-16	3-Line to 8-Line Decoder	.84	.72	.60
595-SN74ALS138AN	DIP-16	3-Line to 8-Line Decoder	.84	.72	.60
595-SN74ALS161BN	DIP-16	Synchronous Binary Counter	.72	.60	.48
595-SN74ALS240AN	DIP-20	Octal Buffer	1.09	.93	.78
595-SN74ALS244CDW	SOIC-20	Octal Buffer/Line Driver	1.02	.87	.73
595-SN74ALS245ADW	SOIC-20	Octal Bus Transceiver	1.02	.87	.73
595-SN74ALS245AN	DIP-20	Octal Bus Transceiver	1.02	.87	.73
595-SN74ALS273N	SOP-20	Octal Edge Triggered Flip-Flop	1.05	.90	.75
595-SN74ALS30AD	SOIC-14	8-input positive-NAND Gate	.63	.54	.45
595-SN74ALS32D	SOIC-14	Quad positive-OR Gate	.63	.54	.45
595-SN74ALS32N	DIP-14	Quad positive-OR Gate	.63	.54	.45
595-SN74ALS35AD	SOIC-14	Hex Noninverters	3.50	3.00	2.50
595-SN74ALS374AN	DIP-20	Octal D-Type Edge Trig Flip-Flop	.98	.84	.70
595-SN74ALS520DW	SOIC-20	Octal Identity Comparator	2.03	1.74	1.45
595-SN74ALS541DW	SOIC-20	Octal Buffer	1.58	1.35	1.13
595-SN74ALS541N	DIP-20	Octal Buffer	1.58	1.35	1.13
595-SN74ALS569AN	PDIP-20	Synchronous Binary Counter	4.02	3.35	2.68
595-SN74ALS573CDW	SOIC-20	Octal D-Type Transparent Latch	.98	.84	.70
595-SN74ALS573CN	DIP-20	Octal D-Type Transparent Latch	.98	.84	.70
595-SN74ALS574BDW	SOIC-20	Octal D-Type Edge Trig Flip-Flop	.98	.84	.70
595-SN74ALS574BN	DIP-20	Octal D-Type Edge Trig Flip-Flop	.98	.84	.70
595-SN74ALS623ADW	SOIC-20	Octal Bus Transceiver	4.66	3.99	3.33
595-SN74ALS652ADW	SOIC-24	Octal Bus Transceiver/Register	5.30	4.77	4.29
595-SN74ALS74AD	SOIC-14	D-Type Flip-Flop	.77	.66	.55
595-SN74ALS74AN	DIP-14	D-Type Flip-Flop	.77	.66	.55
595-SN74ALVC00PWR	TSSOP-14	Quadruple 2-Input NAND Gate	.22	.19	.17
595-SN74ALVC04D	SOIC-14	Hex Inverter	.22	.19	.17
595-SN74ALVC08D	SOIC-14	Quad Positive-AND Gate	.45	.36	.27
595-SN74ALVC08PWR	TSSOP-14	Quad Positive-AND Gate	.22	.19	.17
595-SN74ALVC125D	SOIC-14	Quadruple Bus Buffer Gates	.31	.28	.25
595-SN74ALVC125DGVR	TVSOP-14	Quadruple Bus Buffer Gates	.31	.28	.25
595-SN74ALVC125DR	SOIC-14	Quadruple Bus Buffer Gates	.31	.28	.25
595-SN74ALVC125PW	TSSOP-14	Quadruple Bus Buffer Gates	.31	.28	.25
595-SN74ALVC126PWR	TSSOP-14	Quadruple Bus Buffer Gates	.31	.28	.25
595-SN74ALVC14PWR	TSSOP-14	Hex Schmitt-Trigger Inverter	.22	.19	.17
595-SN74ALVC164245DL	SSOP-48	16-Bit Shifting Transceiver	1.50	1.20	.90
595-SN74ALVC164245KR	VFBGA-56	16-Bit Shifting Transceiver	1.44	1.30	1.16
595-SN74ALVC244DWR	SOIC-20	Octal Buffer/Driver	.34	.30	.27

TEXAS INSTRUMENTS Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74ALVC245PWR	TSSOP-20	Octal Bus Transceiver	.34	.30	.27
595-SN74ALVC32PW	TSSOP-14	Quadruple 2-Input Positive OR Gate	.22	.19	.17
595-SN74ALVC781325DL	SSOP-56	64 x 18 3.3V Sync FIFO Memory	1.01	.91	.81
595-SN74ALVCH162373G	TSSOP-48	16-Bit D-Type Latch	1.50	1.25	1.00
595-SN74ALVCH244PWR	TSSOP-20	Octal Buffer/Driver	.36	.32	.29
595-SN74ALVTH16244GR	TSSOP-48	2.5/3.3V 16-Bit Buffer/Drivers	1.06	.95	.85
595-SN74ALVTH16373GR	TSSOP-48	2.5/3.3V 16-Bit Trans D-Type Latch	1.06	.95	.85
595-SN74AS02N	PDIP-14	Quad Positive-NOR Gates	1.82	1.56	1.30
595-SN74AS08D	SOIC-14	Quadruple 2-Input AND Gate	1.02	.87	.73
595-SN74AS1004AN	PDIP-14	Hex Inverting Drivers	2.31	1.98	1.65
595-SN74AS30D	SOIC-14	8-Input Positive NAND Gate	2.52	2.16	1.80
595-SN74AS760N	PDIP-20	Octal Buffer	5.49	4.58	3.66
595-SN74AS808BDW	SOIC-20	Hex 2-Input AND Drivers	3.36	3.02	2.72
595-SN74AUC16244DGGR	TSSOP-48	16-Bit Buffer	2.13	1.70	1.28
595-SN74AUC16374DGGR	TSSOP-48	16-Bit Edge Trig D-Type Flip-Flop	2.13	1.70	1.28
595-SN74AUC1G06DBVR	SOT-23-5	Single Inverter Buffer/Driver	.22	.19	.17
595-SN74AUC1G07DBVR	SOT-23-5	Single Buffer/Driver	.22	.19	.17
595-SN74AUC1G08DCKR	SC-70-5	Single 2-Input AND Gate	.22	.19	.17
595-SN74AUC2G07DBVR	SOT 23-6	Dual Buffer/Driver	.52	.39	.30
595-SN74AUP1G06DCKR	SC70-5	Single Inverter Buffer/Driver	.50	.41	.28
595-SN74AUP1G08DCKR	SC 70-5	Single 2-Input Positive AND Gate	.50	.41	.28
595-SN74AUP1G126DCKR	SC 70-5	Single Bus Buffer Gate	.50	.41	.28
595-SN74AUP1T57DBVR	SOP-6	Voltage Translator	.55	.44	.33
595-SN74AUP1T97DBVT	SOP-6	Single Supply Voltage Translator	.62	.56	.50
595-SN74AUP1T98DBVT	SOP-6	Single Supply Voltage Translator	.62	.56	.50
595-SN74AUP1T98DCKT	SOP-6	Single Supply Voltage Translator	.62	.56	.50
595-SN74AVC16244DGGR	TSSOP-48	16-Bit Buffer/Driver	3.84	3.46	3.10
595-SN74AVC16T245DGG	TSSOP-48	Dual-Supply Bus Transceiver	3.15	2.52	1.96
595-SN74AVC1T45DBVR	SOP-6	Single-Bit Bus Transceiver	.56	.42	.32
595-SN74AVC1T45DCKR	SOP-6	Single-Bit Bus Transceiver	.70	.56	.42
595-SN74AVC20T245DGG	TSSOP-56	Dual-Supply Bus Transceiver	3.38	2.70	2.10
595-SN74AVC2T45DCTR	SSOP-8	Dual-Supply Bus Transceiver	.76	.57	.43
595-SN74AVC2T45DCUR	VSSOP-8	Bus Transceiver	.64	.48	.36
595-SN74AVC2T45YZPR	DSBGA-8	Bus Transceiver	.80	.60	.45
595-SN74AVC4T245D	SOIC-16	4-Bit Dual Supply Bus Transceiver	.72	.65	.58
595-SN74AVC4T245DT	SOIC-16	4-Bit Dual Supply Bus Transceiver	1.08	.97	.87
595-SN74AVC4T245PW	TSSOP-16	4-Bit Dual Supply Bus Transceiver	.72	.65	.58
595-SN74AVC4T245PWT	TSSOP-16	4-Bit Dual Supply Bus Transceiver	1.08	.97	.87
595-SN74AVC8T245DGVR	TVSOP-24	8-Bit Dual Supply Bus Transceiver	1.25	1.00	.75
595-SN74AVC8T245PW	TSSOP-24	8-Bit Dual Supply Bus Transceiver	1.25	1.00	.75
595-SN74AVCA164245GR	TSSOP-48	16-Bit Bus Transceiver	3.15	2.52	1.96
595-SN74AVCAH164245G	TSSOP-48	Dual-Supply Bus Transceiver	3.38	2.70	2.10
595-SN74AVCB164245GR	TSSOP-48	16-Bit Bus Transceiver	3.15	2.52	1.96
595-SN74AVCH4T245PWR	TSSOP-16	4-Bit Bus Transceiver	.90	.75	.60
595-SN74BCT25244DW	SOIC-24	Octal 25-Ohm Buffer	5.55	4.63	3.70
595-SN74CB3Q3125PWR	TSSOP-14	Quadruple FET 2.5/3.3V Bus Switch	.93	.78	.62
595-SN74CB3Q3257DBQR	SSOP-16	High Bandwidth Bus Switch	.67	.60	.54
595-SN74CB3Q3305PWR	TSSOP-8	Dual FET Bus Switch 2.5/3.3V	.60	.54	.49
595-SN74CB3T16211DGG	TSSOP-56	24-Bit FET Bus Switch	2.38	1.90	1.43
595-SN74CB3T3306DCTR	SSOP-8	Dual Bus Switch Translator	1.25	1.00	.75
595-SN74CB3T3306DCUR	VSSOP-8	Dual Bus Switch Translator	1.25	1.00	.75
595-SN74CBT16214DLR	SSOP-56	Multiplexer/Demultiplexer	1.32	1.19	1.07
595-SN74CBT16244DL	SSOP-48	16-Bit FET Bus Switch	1.20	1.08	.97
595-SN74CBT1G125DBVR	TSSOP-5	Single FET Bus Switch	.46	.37	.25
595-SN74CBT1G125DCKT	SOP-5	Single FET Bus Switch	.66	.55	.50
595-SN74CBT3125DBQR	SSOP-16	Quadruple FET Bus Switch	.34	.30	.27
595-SN74CBT3125PWR	TSSOP-14	Quadruple FET Bus Switch	.34	.30	.27
595-SN74CBT3126PWR	TSSOP-14	Quadruple FET Bus Switch	.34	.30	.27
595-SN74CBT3253D	SOP-16	Dual 1-Of-4 FET Multiplexer	.72	.54	.41
595-SN74CBT3257D	SOIC-16	Multiplexer/Demultiplexer	.43	.39	.35
595-SN74CBT3257PW	TSSOP-16	Multiplexer/Demultiplexer	.43	.39	.35
595-SN74CBT3305CPWR	TSSOP-8	Dual FET Bus Switch	.34	.30	.27
595-SN74CBT3306PWR	TSSOP-8	Dual FET Bus Switch	.34	.30	.27
595-SN74CBT3345CDWR	SOIC-20	8-Bit FET Bus Switch	.34	.30	.27
595-SN74CBT3345PWR	TSSOP-20	8-Bit FET Bus Switch	.38	.35	.31
595-SN74CBT3384ADWR	SOIC-24	10-Bit FET Bus Switch	.34	.30	.27
595-SN74CBT3861DBQR	SSOP-24	10-Bit FET Bus Switch	1.32	1.19	1.07
595-SN74CBTD3306D	SOP-8	Dual FET Bus Switch	.34	.30	.27
595-SN74CBTD3306DR	SOIC-8	Dual FET Bus Switch	.34	.30	.27
595-SN74CBTD3384PWR	TSSOP-24	10-Bit FET Bus Switch	.38	.35	.31
595-SN74CBTD3861PWR	TSSOP-24	10-Bit FET Bus Switch	.38	.35	.31
595-SN74CBTK6800PWR	TSSOP-24	10-Bit FET Bus Switch	1.56	1.40	1.26
595-SN74CBTLV16210VR	TVSOP-48	20-Bit FET Bus Switch	1.92	1.73	1.55
595-SN74CBTLV16211GR	TSSOP-56	24-Bit FET Bus Switch	1.92	1.73	1.55
595-SN74CBTLV16211VR	TVSOP-48	24-Bit FET Bus Switch	1.92	1.73	1.55
595-SN74CBTLV16800GR	TSSOP-48	20-Bit FET Bus Switch	1.92	1.73	1.55
595-SN74CBTLV16800VR	TVSOP-48	20-Bit FET Bus Switch	1.92	1.73	1.55
595-SN74CBTLV3125PW	TSSOP-14	Quadruple FET Bus Switch	.53	.48	.43
595-SN74CBTLV3126PW	TSSOP-14	Quadruple FET Bus Switch	.53	.48	.43
595-SN74CBTLV3245APW	TSSOP-20	Octal FET Bus Switch	.53	.48	.43
595-SN74CBTLV3253PW	TSSOP-16	Multiplexer/Demultiplexer	.53	.48	.43
595-SN74CBTLV3257DR	SOP-16	Multiplexer/Demultiplexer	.53	.48	.43
595-SN74CBTLV3257PW	TSSOP-16	Multiplexer/Demultiplexer	.53	.48	.43
595-SN74F04D	SOIC-14	Hex Inverter	.22	.19	.17
595-SN74F04N	PDIP-14	Hex Inverter	.45	.36	.27
595-SN74F08D	SOIC-14	Quad Positive-AND Gate	.22	.19	.17
595-SN74F08N	PDIP-14	Quad Positive-AND Gate	.45	.36	.27
595-SN74F112D	SOIC-16	Dual J-K Flip-Flop	.75	.60	.45
595-SN74F125D	SOIC-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74F153N	PDIP-16	Dual 1-of-4 Data Selector	.55	.44	.33
595-SN74F163ADR	SOIC-16	Synchronous 4-Bit Binary Counter	.34	.30	.27
595-SN74F240DW	SOIC-20	Octal Buffer & Line Driver	.90	.72	.54
595-SN74F244N	DIP-20	Octal Buffer/Driver	.38	.35	.31
595-SN74F245DW	SOIC-20	Octal Bus Transceiver	.38	.35	.31
595-SN74F245N	DIP-20	Octal Bus Transceiver	.43	.39	.35
595-SN74F32D	SOIC-14	Quad 2-Input Positive OR Gate	.22	.19	.17
595-SN74F32N	PDIP-14	Quad 2-Input Positive OR Gate	.48	.38	.28
595-SN74F38D	SOIC-14	Quad 2-Input Positive NAND Buffer	.22	.19	.17
595-SN74F74D	SOIC-14	D-Type Flip-Flops	.22	.19	.17
595-SN74F74N	DIP-14	D-Type Flip-Flops	.48	.38	.29
595-SN74F86N	DIP-14	Quad Exclusive-OR Gate	.55	.44	.33
595-SN74HC00D	SOP-14	Quad Positive-NAND Gate	.46	.37	.25
595-SN74HC00N	DIP-14	Quad Positive-NAND Gate	.53	.42	.32
595-SN74HC00PW	TSSOP-14	Quad Positive-NAND Gate	.17	.15	.14
595-SN74HC02D	SOIC-14	Quad Positive-NOR Gate	.46	.37	.25
595-SN74HC02DR	SOIC-14	Quad Positive-NOR Gate	.17	.15	.14
595-SN74HC02N	DIP-14	Quad Positive-NOR Gate	.53	.42	.32
595-SN74HC02PWR	TSSOP-14	Quad Positive-NOR Gate	.17	.15	.14
595-SN74HC03D	SOP-14	Quad Positive-NAND Gate	.46	.37	.25
595-SN74HC03N	DIP-14	Quad Positive-NAND Gate	.53	.42	.32
595-SN74HC04D	SOIC-14	Hex Inverter	.46	.37	.25
595-SN74HC04N	DIP-14	Hex Inverter	.53	.42	.32
595-SN74HC04PWR	TSSOP-14	Hex Inverter	.46	.37	.25
595-SN74HC05D	SOIC-14	Hex Inverter	.46	.37	.25
595-SN74HC05N	DIP-14	Hex Inverter	.53	.42	.31
595-SN74HC08D	SOIC-14	Quad Positive-AND Gate	.46	.37	.25
595-SN74HC08N	DIP-14	Quad Positive-AND Gate	.53	.42	.32
595-SN74HC109N	DIP-16	Dual J-K Edge-Triggered Flip-Flop	.25	.23	.20
595-SN74HC10D	SOP-14	Dual J-K Edge-Triggered Flip-Flop	.17	.15	.14
595-SN74HC10N	DIP-14	Dual J-K Edge-Triggered Flip-Flop	.53	.42	.32
595-SN74HC112D	SOP-16	Dual J-K Flip-Flop	.55	.44	.33
595-SN74HC11D	SOP-14	Triple Positive-AND Gate	.17	.15	.14
595-SN74HC11N	DIP-14	Triple Positive-AND Gate	.53	.42	.32
595-SN74HC125D	SOIC-14	Quad Bus Buffer Gate	.55	.44	.33
595-SN74HC125N	DIP-14	Quad Bus Buffer Gate	.48	.36	.27
595-SN74HC126D	SOP-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74HC126N	DIP-14	Quadruple Bus Buffer Gates	.29	.26	.23
595-SN74HC132D	SOP-14	Quad Positive-NAND Gate	.55	.44	.33
595-SN74HC132N	DIP-14	Quad Positive-NAND Gate	.48	.36	.27
595-SN74HC132PWR	TSSOP-14	Quad Positive-NAND Gate	.26	.24	.21
595-SN74HC138D	SOIC-16	3-Line To 8-Line Decoder	.55	.44	.33
595-SN74HC138N	DIP-16	3-Line To 8-Line Decoder	.48	.36	.27
595-SN74HC138PWR	TSSOP-16	3-Line To 8-Line Decoder	.26	.24	.21
595-SN74HC139D	SOP-16	Dual 2-Line To 4-Line Decoder	.55	.44	.33
595-SN74HC139N	DIP-16	Dual 2-Line To 4-Line Decoder	.48	.36	.27
595-SN74HC139PW	TSSOP-16	Dual 2-Line To 4-Line Decoder	.26	.24	.21
595-SN74HC148D	SOP-16	8-Line to 3-Line Priority Encoder	.26	.24	.21
595-SN74HC14D	SOIC-14	Hex Inverter	.46	.37	.25
595-SN74HC14N	DIP-14	Hex Inverter	.53	.42	.32
595-SN74HC14PWR	TSSOP-14	Hex Inverter	.17	.15	.14
595-SN74HC151D	SOP-16	8 To 1-Line Data Selector	.55	.44	.33
595-SN74HC151N	DIP-16	8 To 1-Line Data Selector	.48	.36	.27
595-SN74HC153D	SOP-16	Dual 4 To 1-Line Data Selector	.55	.44	.33
595-SN74HC153N	DIP-16	Dual 4 To 1-Line Data Selector	.48	.36	.27
595-SN74HC157D	SOP-16	Quad 2 To 1-Line Data Selector	.29	.26	.23
595-SN74HC157N	DIP-16	Quad 2 To 1-Line Data Selector	.53	.40	.30
595-SN74HC158N	PDIP-16	Quad 2 To 1-Line Data Selector	.40	.33	.26
595-SN74HC161D	SOP-16	4-Bit Binary Counter	.55	.44	.33
595-SN74HC161N	DIP-16	4-Bit Binary Counter	.53	.40	.30
595-SN74HC161PW	TSSOP-16	4-Bit Binary Counter	.26	.24	.21
595-SN74HC163D	SOP-16	4-Bit Synchronous Binary Counter	.26	.24	.21
595-SN74HC163N	DIP-16	4-Bit Synchronous Binary Counter	.29	.26	.23
595-SN74HC164D	SOP-14	8-Bit Serial Shift Register	.55	.44	.33
595-SN74HC164N	DIP-14	8-Bit Serial Shift Register	.48	.36	.27
595-SN74HC164PWR	TSSOP-14	8-Bit Serial Shift Register	.26	.24	.21
595-SN74HC165D	SOP-16	8-Bit Shift Register	.55	.44	.33
595-SN74HC165N	DIP-16	8-Bit Shift Register	.48	.36	.27
595-SN74HC165PWR	TSSOP-16	8-Bit Shift Register	.26	.24	.21
595-SN74HC166N	DIP-16	8-Bit Parallel-Load Shift Register	.29	.26	.23
595-SN74HC174D	SOIC-16	Hex D-Type Flip-Flop	.26	.24	.21
595-SN74HC174N	DIP-16	Hex D-Type Flip-Flop	.48	.36	.27
595-SN74HC175N	DIP-16	Quad D-Type Flip-Flop	.48	.36	.27
595-SN74HC191D	SOP-16	4-Bit Binary Counter	.48	.36	.27
595-SN74HC191N	DIP-16	4-Bit Binary Counter	.53	.40	.30
595-SN74HC193N	DIP-16	4-Bit Binary Counter	.53	.40	.30
595-SN74HC193PW	TSSOP-16	4-Bit Binary Counter	.29	.26	.23
595-SN74HC20D	SOIC-14	Dual Positive-NAND Gate	.46	.37	.25
595-SN74HC20N	DIP-14	Dual Positive-NAND Gate	.53	.42	.32
595-SN74HC21D	SOP-14	Dual Positive-AND Gate	.17	.15	.14
595-SN74HC21N	DIP-14	Dual Positive-AND Gate	.53	.42	.32
595-SN74HC240DW	SOP-20	Octal Buffer & Line Driver	.36	.32	.29
595-SN74HC240N	DIP-20	Octal Buffer & Line Driver	.66	.49	.37

TEXAS INSTRUMENTS Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74HC241DWR	SOIC-20	Octal Buffer & Line Driver	.34	.30	.27
595-SN74HC244DW	SOIC-20	Octal Buffer & Line Driver	.60	.45	.34
595-SN74HC244N	DIP-20	Octal Buffer & Line Driver	.66	.49	.37
595-SN74HC244PWR	TSSOP-20	Octal Buffer & Line Driver	.36	.32	.29
595-SN74HC245DW	SOIC-20	Octal Bus Transceiver	.60	.45	.34
595-SN74HC245N	DIP-20	Octal Bus Transceiver	.66	.50	.37
595-SN74HC245PWR	TSSOP-20	Octal Bus Transceiver	.36	.32	.29
595-SN74HC251D	SOP-16	Data Selector	.25	.23	.20
595-SN74HC251N	DIP-16	Data Selector	.55	.44	.33
595-SN74HC257D	SOP-16	Quad 2 To 1-Line Data Selector	.53	.42	.32
595-SN74HC257N	DIP-16	Quad 2 To 1-Line Data Selector	.26	.24	.21
595-SN74HC259D	SOIC-16	8-Bit Addressable Latch	.25	.23	.20
595-SN74HC259N	DIP-16	8-Bit Addressable Latch	.55	.44	.33
595-SN74HC273DW	SOIC-20	Octal D-Type Flip-Flop	.55	.44	.33
595-SN74HC273N	DIP-20	Octal D-Type Flip-Flop	.48	.36	.27
595-SN74HC273PWR	TSSOP-20	Octal D-Type Flip-Flop	.26	.24	.21
595-SN74HC27D	SOP-14	Triple Positive-NOR Gate	.46	.37	.25
595-SN74HC27N	DIP-14	Triple Positive-NOR Gate	.53	.42	.32
595-SN74HC32D	SOIC-14	Quad Positive-OR Gate	.46	.37	.25
595-SN74HC32N	DIP-14	Quad Positive-OR Gate	.53	.42	.32
595-SN74HC365D	SOP-16	Hex Buffer & Line Driver	.52	.39	.29
595-SN74HC365N	DIP-16	Hex Buffer & Line Driver	.52	.39	.29
595-SN74HC367N	DIP-16	Hex Buffer & Line Driver	.64	.48	.36
595-SN74HC368D	SOP-16	Hex Inverting Buffer and Line Driver	.31	.28	.25
595-SN74HC368N	DIP-16	Hex Inverting Buffer and Line Driver	.34	.31	.28
595-SN74HC368PWR	TSSOP-16	Hex Inverting Buffer and Line Driver	.31	.28	.25
595-SN74HC373DW	SOIC-20	Octal D-Type Latch	.60	.45	.34
595-SN74HC373N	DIP-20	Octal D-Type Latch	.60	.45	.34
595-SN74HC373NSR	SOP-20	Octal D-Type Latch	.36	.32	.29
595-SN74HC373PWR	TSSOP-20	Octal D-Type Latch	.36	.32	.29
595-SN74HC374DW	SOIC-20	Octal D-Type Flip-Flop	.60	.45	.34
595-SN74HC374N	DIP-20	Octal D-Type Flip-Flop	.66	.50	.37
595-SN74HC377DW	SOP-20	Octal D-Type Flip-Flop	.29	.26	.23
595-SN74HC393D	SOP-14	Dual 4-Bit Binary Counter	.50	.40	.30
595-SN74HC393DR	SOIC-14	Dual 4-Bit Binary Counter	.24	.22	.19
595-SN74HC393N	DIP-14	Dual 4-Bit Binary Counter	.50	.40	.30
595-SN74HC393PWT	TSSOP-14	Dual 4-Bit Binary Counter	.60	.54	.49
595-SN74HC4020DR	SOIC-16	14-Bit Asynchronous Binary Counter	.32	.29	.26
595-SN74HC4020N	DIP-16	14-Bit Asynchronous Binary Counter	.32	.29	.26
595-SN74HC4040D	SOP-16	12-Bit Asynchronous Binary Counter	.32	.29	.26
595-SN74HC4040N	DIP-16	12-Bit Asynchronous Binary Counter	.54	.40	.30
595-SN74HC4060D	SOP-16	14-Stage Asynch Binary Counter	.34	.30	.27
595-SN74HC4060DR	SOIC-16	14-Stage Asynch Binary Counter	.34	.30	.27
595-SN74HC4060N	DIP-16	14-Stage Asynch Binary Counter	.56	.42	.32
595-SN74HC4066D	SOP-14	Quad Bilateral Analog Switch	.24	.22	.19
595-SN74HC4066N	DIP-14	Quad Bilateral Analog Switch	.50	.40	.30
595-SN74HC42N	DIP-16	4-Line To 10-Line Decoder	.96	.72	.54
595-SN74HC540DW	SOIC-20	Octal Buffer and Line Driver	.34	.30	.27
595-SN74HC540N	DIP-20	Octal Buffer and Line Driver	.62	.46	.35
595-SN74HC541DW	SOIC-20	Octal Buffer & Line Driver	.56	.42	.32
595-SN74HC541N	DIP-20	Octal Buffer & Line Driver	.62	.46	.35
595-SN74HC573ADW	SOIC-20	Octal D-Type Latch	.36	.32	.29
595-SN74HC573AN	DIP-20	Octal D-Type Latch	.66	.50	.37
595-SN74HC573APWR	TSSOP-20	Octal D-Type Latch	.36	.32	.29
595-SN74HC574DW	SOIC-20	Octal D-Type Flip-Flop	.60	.45	.34
595-SN74HC574N	DIP-20	Octal D-Type Flip-Flop	.66	.50	.37
595-SN74HC574PWR	TSSOP-20	Octal D-Type Flip-Flop	.36	.32	.29
595-SN74HC590AD	SOP-16	8-Bit Binary Counter	.36	.32	.29
595-SN74HC590AN	DIP-16	8-Bit Binary Counter	.66	.50	.37
595-SN74HC594D	SOIC-16	8-Bit Shift Register	.75	.63	.50
595-SN74HC594DW	SOP-16	8-Bit Shift Register	.60	.54	.49
595-SN74HC595D	SOP-16	8-Bit Shift Register	.60	.45	.34
595-SN74HC595N	DIP-16	8-Bit Shift Register	.66	.50	.37
595-SN74HC688DW	SOIC-20	8-Bit Identity/Magnitude Comparator	.65	.58	.52
595-SN74HC688N	PDIP-20	8-Bit Identity/Magnitude Comparator	.65	.58	.52
595-SN74HC7001D	SOP-14	Quad Positive-AND Gate	1.13	1.02	.91
595-SN74HC7001N	DIP-14	Quad Positive-AND Gate	1.41	1.18	.94
595-SN74HC74D	SOIC-14	Dual D-Type Flip-Flop	.46	.37	.25
595-SN74HC74DR	SOIC-14	Dual D-Type Flip-Flop	.46	.37	.25
595-SN74HC74N	DIP-14	Dual D-Type Flip-Flop	.53	.42	.32
595-SN74HC74PWR	TSSOP-14	Dual D-Type Flip-Flop	.17	.15	.14
595-SN74HC86D	SOP-14	Quad Exclusive-OR Gates	.46	.37	.25
595-SN74HC86N	DIP-14	Quad Exclusive-OR Gates	.53	.42	.32
595-SN74HCT00D	SOP-14	Quad Positive-NAND Gate	.46	.37	.25
595-SN74HCT00N	DIP-14	Quad Positive-NAND Gate	.53	.42	.32
595-SN74HCT02D	SOP-14	Quad Positive-NOR Gate	.17	.15	.14
595-SN74HCT02N	DIP-14	Quad Positive-NOR Gate	.53	.42	.32
595-SN74HCT04D	SOIC-14	Hex Inverter	.46	.37	.25
595-SN74HCT04N	DIP-14	Hex Inverter	.53	.42	.32
595-SN74HCT04PWR	TSSOP-14	Hex Inverter	.17	.15	.14
595-SN74HCT08D	SOP-14	Quad Positive-AND Gates	.46	.37	.25
595-SN74HCT08N	DIP-14	Quad Positive-AND Gates	.53	.42	.32
595-SN74HCT08PW	TSSOP-14	Quad Positive-AND Gates	.17	.15	.14
595-SN74HCT125D	SOIC-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74HCT138D	SOP-14	3-Line To 8-Line Decoder	.55	.44	.33
595-SN74HCT138N	DIP-16	3-Line To 8-Line Decoder	.53	.40	.30

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74HCT139N	DIP-16	Dual 2-Line To 4-Line Decoder	.53	.40	.30
595-SN74HCT14D	SOIC-14	Hex Inverter	.46	.37	.25
595-SN74HCT14N	DIP-14	Hex Inverter	.53	.42	.32
595-SN74HCT14PWR	TSSOP-14	Hex Inverter	.17	.15	.14
595-SN74HCT157D	SOP-16	Quad 2 To 1-Line Data Selector	.56	.42	.32
595-SN74HCT157N	DIP-16	Quad 2 To 1-Line Data Selector	.56	.42	.32
595-SN74HCT240DW	SOP-20	Octal Buffer and Line Driver	.36	.32	.29
595-SN74HCT240N	DIP-20	Octal Buffer and Line Driver	.40	.36	.32
595-SN74HCT244DBR	SSOP-20	Octal Buffer & Line Driver	.36	.32	.29
595-SN74HCT244DW	SOIC-20	Octal Buffer & Line Driver	.36	.32	.29
595-SN74HCT244N	DIP-20	Octal Buffer & Line Driver	.66	.50	.37
595-SN74HCT244PW	TSSOP-20	Octal Buffer & Line Driver	.36	.32	.29
595-SN74HCT245DW	SOIC-20	Octal Bus Transceiver	.60	.45	.34
595-SN74HCT245N	DIP-20	Octal Bus Transceiver	.66	.50	.37
595-SN74HCT245PWR	TSSOP-20	Octal Bus Transceiver	.36	.32	.29
595-SN74HCT257D	SOP-16	Quad 2 To 1-Line Data Selector	.49	.42	.35
595-SN74HCT273DW	SOP-20	Octal D-Type Flip-Flop	.34	.30	.27
595-SN74HCT273N	DIP-20	Octal D-Type Flip-Flop	.62	.46	.35
595-SN74HCT273PWR	TSSOP-20	Octal D-Type Flip-Flop	.34	.30	.27
595-SN74HCT32D	SOIC-14	Quad Positive-OR Gate	.46	.37	.25
595-SN74HCT32N	DIP-14	Quad Positive-OR Gate	.53	.42	.32
595-SN74HCT373DW	SOP-20	Octal D-Type Latch	.36	.32	.29
595-SN74HCT373N	DIP-20	Octal D-Type Latch	.66	.50	.37
595-SN74HCT374DW	SOIC-20	Octal D-type Flip-Flop	.36	.32	.29
595-SN74HCT374N	DIP-20	Octal D-type Flip-Flop	.66	.50	.37
595-SN74HCT377N	DIP-20	Octal D-type Flip-Flop	.62	.46	.35
595-SN74HCT540DW	SOP-20	Octal Buffer and Line Driver	.34	.30	.27
595-SN74HCT541DW	SOIC-20	Octal Buffer & Line Driver	.56	.42	.32
595-SN74HCT541N	DIP-20	Octal Buffer & Line Driver	.62	.46	.35
595-SN74HCT573DWR	SOIC-20	Octal D-Type Latch	.36	.32	.29
595-SN74HCT573N	DIP-20	Octal D-Type Latch	.66	.50	.37
595-SN74HCT574DW	SOIC-20	Octal D-Type Flip-Flop	.60	.45	.34
595-SN74HCT574N	DIP-20	Octal D-Type Flip-Flop	.66	.50	.37
595-SN74HCT652DW	SOIC-24	Octal Bus Transceiver	1.44	1.30	1.16
595-SN74HCT652NT	DIP-24	Octal Bus Transceiver	1.44	1.30	1.16
595-SN74HCT74D	SOIC-14	Dual D-Type Flip-Flop	.46	.37	.25
595-SN74HCT74N	DIP-14	Dual D-Type Flip-Flop	.53	.42	.32
595-SN74HCU04DR	SOIC-14	Hex Inverter	.17	.15	.14
595-SN74HCU04N	DIP-14	Hex Inverter	.25	.23	.20
595-SN74LS00DR	SOIC-14	Quad positive-NAND Gate	.49	.42	.35
595-SN74LS00N	DIP-14	Quad positive-NAND Gate	.49	.42	.35
595-SN74LS02D	SOIC-14	Quad positive-NOR Gate	.49	.42	.35
595-SN74LS02N	DIP-14	Quad positive-NOR Gate	.49	.42	.35
595-SN74LS03N	PDIP-14	Quad positive-NAND Gate	.84	.72	.60
595-SN74LS04D	SOIC-14	Hex Inverter	.49	.42	.35
595-SN74LS04N	DIP-14	Hex Inverter	.49	.42	.35
595-SN74LS05D	SOIC-14	Hex Inverter	.49	.42	.35
595-SN74LS05N	DIP-14	Hex Inverter	.49	.42	.35
595-SN74LS06D	SOIC-14	Hex Inverter Buffer/Driver	.72	.65	.58
595-SN74LS07D	SOP-14	Hex Buffer/Driver	.72	.65	.58
595-SN74LS07N	PDIP-14	Hex Buffer/Driver	.90	.75	.60
595-SN74LS08D	SOIC-14	Quad Positive-AND Gate	.49	.42	.35
595-SN74LS08N	DIP-14	Quad Positive-AND Gate	.49	.42	.35
595-SN74LS09DR	SOIC-14	Quad 2-Input Positive AND Gate	.49	.42	.35
595-SN74LS09N	PDIP-14	Quad 2-Input Positive AND Gate	.49	.42	.35
595-SN74LS10N	DIP-14	Triple Positive-NAND Gate	.60	.51	.43
595-SN74LS122N	DIP-14	Monostable Multivibrator	1.05	.90	.75
595-SN74LS123D	SOIC-16	Dual Monostable Multivibrator	.63	.54	.45
595-SN74LS123N	DIP-16	Dual Monostable Multivibrator	.63	.54	.45
595-SN74LS125AD	SOIC-14	Quad Bus Buffer	.63	.54	.45
595-SN74LS125AN	DIP-14	Quad Bus Buffer	.63	.54	.45
595-SN74LS132D	SOIC-14	Quad Schmitt Trigger	.67	.57	.48
595-SN74LS132N	PDIP-14	Quad Schmitt Trigger	.67	.57	.48
595-SN74LS138D	SOIC-16	3-Line to 8-Line Decoder	.63	.54	.45
595-SN74LS138N	DIP-16	3-Line to 8-Line Decoder	.63	.54	.45
595-SN74LS139AN	DIP-16	Dual 2-Line to 4-Line Decoder	.63	.54	.45
595-SN74LS145D	SOIC-16	BCD-To-Decimal Decoder	.95	.81	.68
595-SN74LS145N	DIP-16	BCD-To-Decimal Decoder	.95	.81	.68
595-SN74LS148N	DIP-16	8 to 3-Line priority encoder	1.40	1.20	1.00
595-SN74LS14D	SOIC-14	Hex Inverter	.42	.36	.30
595-SN74LS14N	DIP-14	Hex Inverter	.49	.42	.35
595-SN74LS151N	DIP-16	8-Line To 1-Line Data Selector	.88	.66	.50
595-SN74LS155AD	SOIC-16	Dual 2-Line to 4-Line Decoder	1.48	1.11	.83
595-SN74LS155AN	PDIP-16	Dual 2-Line to 4-Line Decoder	.89	.80	.72
595-SN74LS157DR	SOIC-16	Quad 2 To 1-Line Data Selector	.41	.37	.33
595-SN74LS157N	DIP-16	Quad 2 To 1-Line Data Selector	.68	.51	.38
595-SN74LS161AD	SOIC-16	4-Bit Binary Counter	.67	.57	.48
595-SN74LS164N	DIP-14	Serial-In Shift Register	.68	.51	.38
595-SN74LS165AN	PDIP-16	Serial-Out Shift Register	.41	.37	.33
595-SN74LS173AN	PDIP-16	4-Bit D-type Register	1.09	.93	.78
595-SN74LS174N	PDIP-16	Hex D-Type Flip-Flop	.92	.69	.52
595-SN74LS175N	DIP-16	Quad D-Type Flip-Flop	.80	.60	.45
595-SN74LS193N	DIP-16	4-Bit Binary Counter	.81	.68	.54
595-SN74LS20N	DIP-14	Dual positive-NAND Gate	.84	.72	.60
595-SN74LS21N	DIP-14	Dual positive-AND gates	.46	.39	.33
595-SN74LS221D	SOIC-16	Dual Monostable Multivibrator	1.09	.93	.78

TEXAS INSTRUMENTS Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74LS221N	PDIP-16	Dual Monostable Multivibrator	1.09	.93	.78
595-SN74LS240N	DIP-20	Octal Buffer & Line Driver	.74	.63	.53
595-SN74LS241N	PDIP-20	Octal Buffer & Line Driver	.74	.63	.53
595-SN74LS244DW	SOIC-20	Octal Buffer & Line Driver	.77	.66	.55
595-SN74LS244DWR	SOIC-20	Octal Buffer & Line Driver	.77	.66	.55
595-SN74LS244N	DIP-20	Octal Buffer & Line Driver	.77	.66	.55
595-SN74LS245DBR	SSOP-20	Octal Bus Transceiver	.77	.66	.55
595-SN74LS245DW	SOIC-20	Octal Bus Transceiver	.77	.66	.55
595-SN74LS245N	DIP-20	Octal Bus Transceiver	.88	.66	.50
595-SN74LS247N	DIP-16	BCD-To-7 Decoder	1.40	1.20	.96
595-SN74LS251N	PDIP-16	8-Line To 1-Line Data Selector	.77	.66	.55
595-SN74LS259BN	PDIP-16	Octal Addressable Latch	.98	.84	.70
595-SN74LS26D	SOIC-14	Interface Positive-NAND Gate	.48	.43	.39
595-SN74LS273DW	SOIC-20	Octal D-Type Flip-Flop	.74	.63	.53
595-SN74LS273N	DIP-20	Octal D-Type Flip-Flop	.74	.63	.53
595-SN74LS279AN	PDIP-16	Quad /S-/R Latch	1.12	.96	.80
595-SN74LS30N	DIP-14	8-input Positive-NAND Gate	.48	.36	.27
595-SN74LS32DR	SOIC-14	Quad Positive-OR Gate	.46	.39	.33
595-SN74LS32N	DIP-14	Quad Positive-OR Gate	.46	.39	.33
595-SN74LS33N	PDIP-14	Quad Positive-NOR Buffer	1.47	1.26	1.05
595-SN74LS348D	SOIC-16	8 To 3-Line Priority Encoder	5.68	4.26	3.20
595-SN74LS365AN	PDIP-16	Hex Bus Driver	1.44	1.23	1.03
595-SN74LS368AN	DIP-16	6-bit Buffer & Line Driver	1.02	.87	.73
595-SN74LS373DW	SOIC-20	Octal D-Type Flip-Flop	.80	.60	.45
595-SN74LS373N	DIP-20	Octal D-Type Flip-Flop	.80	.60	.45
595-SN74LS374DW	SOIC-20	Octal D-Type Flip-Flop	.80	.60	.45
595-SN74LS374N	DIP-20	Octal D-Type Flip-Flop	.80	.60	.45
595-SN74LS38N	DIP-14	Quad Positive-NAND Buffer	.77	.66	.55
595-SN74LS390N	PDIP-16	Dual 4-Bit Decade Counter	1.47	1.26	1.05
595-SN74LS393N	DIP-14	Dual 4-Bit Binary Counter	.90	.75	.60
595-SN74LS47N	DIP-16	BCD-To-7 Decoder	1.40	1.20	.96
595-SN74LS540DW	SOIC-20	Octal Buffer & Line Driver	1.40	1.20	1.00
595-SN74LS540N	PDIP-20	Octal Buffer & Line Driver	1.40	1.20	1.00
595-SN74LS541DW	SOIC-20	Octal Buffer & Line Driver	1.05	.90	.75
595-SN74LS541N	DIP-20	Octal Buffer & Line Driver	1.05	.90	.75
595-SN74LS640N	PDIP-20	Octal bus Transceiver	1.79	1.53	1.28
595-SN74LS641-1N	PDIP-20	Octal bus Transceiver	8.84	6.63	4.97
595-SN74LS645N	PDIP-20	Octal Bus Transceiver	2.03	1.74	1.45
595-SN74LS682N	PDIP-20	8-Bit Magnitude Comparator	2.31	1.98	1.65
595-SN74LS688N	DIP-20	8-Bit Magnitude Comparator	1.75	1.40	1.05
595-SN74LS74AD	SOIC-14	Dual D-type Flip-Flop	.31	.28	.25
595-SN74LS74AN	DIP-14	Dual D-type Flip-Flop	.52	.39	.29
595-SN74LS86ADR	SOIC-14	Quad Exclusive-OR Gate	.46	.39	.33
595-SN74LS86AN	DIP-14	Quad Exclusive-OR Gate	.46	.39	.33
595-SN74LS93N	PDIP	4-Bit Binary Counter	2.31	1.98	1.65
595-SN74LV00ADBR	SSOP-14	Quadruple 2-Inp Positive NAND Gate	.17	.15	.14
595-SN74LV02ADR	SOIC-14	Quadruple 2-Inp Positive NOR Gate	.36	.32	.29
595-SN74LV04AD	SOIC-14	Hex Inverter	.18	.16	.15
595-SN74LV04APWR	TSSOP-14	Hex Inverter	.17	.15	.14
595-SN74LV08AD	SOIC-14	Quad Positive-AND Gate	.46	.37	.25
595-SN74LV08APWR	TSSOP-14	Quad Positive-AND Gate	.18	.16	.15
595-SN74LV10AD	SOIC-14	Triple Positive-NAND Gate	.46	.37	.25
595-SN74LV123AD	SOIC-16	Dual Regis Monostable Multivibrator	.48	.36	.27
595-SN74LV123APWR	TSSOP-16	Dual Regis Monostable Multivibrator	.29	.25	.23
595-SN74LV125AD	SOIC-14	Quadruple Bus Buffer Gates	.24	.22	.19
595-SN74LV125APWR	TSSOP-14	Quadruple Bus Buffer Gates	.24	.22	.19
595-SN74LV132APW	TSSOP-14	Quadruple Positive NAND Gate	.24	.22	.19
595-SN74LV138ADR	SOIC-16	3-Line to 8-Line Decoder/Demult	.24	.22	.19
595-SN74LV138APWR	TSSOP-16	3-Line to 8-Line Decoder/Demult	.24	.22	.19
595-SN74LV14AD	SOIC-14	Hex Inverter	.46	.37	.25
595-SN74LV14APWR	TSSOP-14	Hex Inverter	.18	.16	.15
595-SN74LV165ADR	SOIC-16	8-Bit Serial Shift Register	.53	.48	.43
595-SN74LV165APW	TSSOP-16	8-Bit Serial Shift Register	.88	.66	.50
595-SN74LV165APWR	TSSOP-16	8-Bit Serial Shift Register	.53	.48	.43
595-SN74LV20AD	SOIC-14	Dual Positive-NAND Gate	.80	.60	.45
595-SN74LV244ADW	SOIC-20	Octal Buffer/Driver	.38	.35	.31
595-SN74LV244APWR	TSSOP-20	Octal Buffer/Driver	.38	.35	.31
595-SN74LV245ADW	SOIC-20	Octal Bus Transceiver	.64	.48	.36
595-SN74LV273APW	TSSOP-20	Octal D-Type Flip-Flop	.58	.52	.47
595-SN74LV273APWR	TSSOP-20	Octal D-Type Flip-Flop	.58	.52	.47
595-SN74LV27APWR	TSSOP-14	Triple 3-Input Positive NOR Gate	.36	.32	.29
595-SN74LV32AD	SOIC-14	Quad Positive-OR Gate	.46	.37	.25
595-SN74LV4040APWR	TSSOP-16	12-Bit Asynchronous Binary Counter	.96	.86	.78
595-SN74LV4051ADR	SOIC-16	8-Channel Multiplexer/Demultiplexer	.60	.54	.49
595-SN74LV4051APWR	TSSOP-16	8-Channel Multiplexer/Demultiplexer	.60	.54	.49
595-SN74LV541APWR	TSSOP-20	Octal Buffer/Driver	.62	.56	.50
595-SN74LV573ADBR	SSOP-20	Octal Transparent D-Type Latch	.38	.35	.31
595-SN74LV594ADR	SOIC-16	8-Bit Shift Register	.62	.56	.50
595-SN74LV595APWR	TSSOP-16	8-Bit Shift Register	.58	.52	.47
595-SN74LV74APWR	TSSOP-14	Edge-Triggered D-Type Flip-Flop	.24	.22	.19
595-SN74LV8153N	PDIP-20	Serial-To-Parallel Interface	1.38	1.10	.83
595-SN74LV8154N	PDIP-20	Dual 16-Bit Binary Counter	.70	.63	.56
595-SN74LV86AD	SOIC-14	Quad Exclusive-OR Gate	.24	.22	.19
595-SN74LVC00AD	SOIC-14	Quadruple 2-Input NAND Gate	.18	.16	.15
595-SN74LVC00APW	TSSOP-14	Quadruple 2-Input NAND Gate	.18	.16	.15
595-SN74LVC02ADR	SOP-14	Quadruple 2-Inp Positive NOR Gate	.18	.16	.15

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74LVC02APWR	TSSOP-14	Quadruple 2-Inp Positive NOR Gate	.19	.17	.16
595-SN74LVC04AD	SOIC-14	Hex Inverter	.49	.39	.27
595-SN74LVC04ADBR	SSOP-14	Hex Inverter	.18	.16	.15
595-SN74LVC04APW	TSSOP-14	Hex Inverter	.18	.16	.15
595-SN74LVC04APWR	TSSOP-14	Hex Inverter	.49	.39	.27
595-SN74LVC06AD	SOIC-14	Hex Inverter Buffer	.30	.23	.17
595-SN74LVC06APWR	TSSOP-14	Hex Inverter Buffer	.18	.16	.15
595-SN74LVC07AD	SOIC-14	Hex Buffer	.49	.39	.27
595-SN74LVC07ADBR	SSOP-14	Hex Buffer	.19	.17	.15
595-SN74LVC07ADGVR	TVSOP-14	Hex Buffer	.34	.30	.27
595-SN74LVC07APW	TSSOP-14	Hex Buffer	.18	.16	.15
595-SN74LVC07APWR	TSSOP-14	Hex Buffer	.49	.39	.27
595-SN74LVC08AD	SOIC-14	Quad Positive-AND Gate	.49	.39	.27
595-SN74LVC08ADBR	SSOP-14	Quad Positive-AND Gate	.18	.16	.15
595-SN74LVC08APW	TSSOP-14	Quad Positive-AND Gate	.18	.16	.15
595-SN74LVC10APW	TSSOP-14	Triple 3-Inp Positive NAND Gate	.22	.19	.17
595-SN74LVC125AD	SOIC-14	Quad Bus Buffer Gate	.45	.36	.27
595-SN74LVC125APW	TSSOP-14	Quad Bus Buffer Gate	.46	.37	.28
595-SN74LVC126APWR	TSSOP-14	Quadruple Bus Buffer Gates	.26	.24	.21
595-SN74LVC138AD	SOP-16	3-Line To 8-Line Decoder	.45	.36	.27
595-SN74LVC138ADBR	SSOP-16	3-Line To 8-Line Decoder	.22	.19	.17
595-SN74LVC138APW	TSSOP-16	3-Line To 8-Line Decoder	.22	.19	.17
595-SN74LVC139APWR	TSSOP-16	Dual Decoder/Demultiplexer	.22	.19	.17
595-SN74LVC14AD	SOIC-14	Hex Inverter	.49	.39	.27
595-SN74LVC14APWR	TSSOP-14	Hex Inverter	.49	.39	.27
595-SN74LVC157AD	SOIC-16	Quadruple Data Selector/Multiplexer	.26	.24	.21
595-SN74LVC157APWR	TSSOP-16	Quadruple Data Selector/Multiplexer	.26	.24	.21
595-SN74LVC16245ADL	SSOP-48	16-Bit Bus Transceiver	.91	.82	.74
595-SN74LVC1G00DBVR	SOT-23-5	Single Positive-NAND Gate	.39	.32	.22
595-SN74LVC1G00DCKR	SC70	Single Positive-NAND Gate	.39	.32	.22
595-SN74LVC1G02DCKR	SOP-5	Single 2-Input Positive NOR Gate	.14	.13	.12
595-SN74LVC1G04DBVR	SOP-5	Single Inverter	.39	.32	.22
595-SN74LVC1G04DCKR	SOP-5	Single Inverter	.39	.32	.22
595-SN74LVC1G06DBVR	SOT-23-5	Single Inverter Buffer/Driver	.14	.13	.12
595-SN74LVC1G06DCKR	SC70-5	Single Inverter Buffer/Driver	.17	.15	.14
595-SN74LVC1G06DRLR	SOP-5	Single Inverter Buffer/Driver	.42	.35	.24
595-SN74LVC1G07DBVR	SOT-23-5	Single Buffer	.46	.37	.25
595-SN74LVC1G07DCKR	SC70-5	Single Buffer	.46	.37	.25
595-SN74LVC1G08DBVR	SOP-5	Single Positive-AND Gate	.39	.32	.22
595-SN74LVC1G08DCKR	SC70-5	Single Positive-AND Gate	.39	.32	.22
595-SN74LVC1G08DCKT	SC 70-5	Single Positive-AND Gate	.53	.47	.42
595-SN74LVC1G125DBVR	SOP-5	Single Bus Buffer Gate	.39	.32	.22
595-SN74LVC1G125DCKR	SOP-5	Single Bus Buffer Gate	.39	.32	.22
595-SN74LVC1G125DRLR	SOP-5	Single Bus Buffer Gate	.46	.37	.26
595-SN74LVC1G126DCKR	SOP-5	Single Bus Buffer Gate	.39	.32	.22
595-SN74LVC1G14DBVR	SOP-5	Single Inverter	.39	.32	.22
595-SN74LVC1G14DCKR	SOP-5	Single Inverter	.39	.32	.22
595-SN74LVC1G14DRLR	SOP-5	Single Inverter	.46	.37	.26
595-SN74LVC1G17DBVR	SOT-23-5	Single Buffer	.36	.29	.20
595-SN74LVC1G17DCKR	SC70-5	Single Buffer	.39	.32	.22
595-SN74LVC1G17DCKT	SC 70-5	Single Buffer	.53	.47	.42
595-SN74LVC1G3157DBV	SOP-6	Double-Throw Analog Switch	.50	.40	.30
595-SN74LVC1G3157DCK	SOP-6	Double-Throw Analog Switch	.50	.40	.30
595-SN74LVC1G3157DRL	SOP-6	Double-Throw Analog Switch	.48	.36	.27
595-SN74LVC1G3208DCK	SOP-6	Single Positive OR-AND Gate	.40	.32	.24
595-SN74LVC1G32DBVR	SOT-23-5	Single Positive-OR Gate	.39	.32	.22
595-SN74LVC1G32DCKR	SC70	Single Positive-OR Gate	.39	.32	.22
595-SN74LVC1G34DCKT	SOP-5	Single Buffer Gate	.50	.45	.41
595-SN74LVC1G57DCKR	SC70-6	Configurable Multiple-Function Gate	.39	.32	.22
595-SN74LVC1G66DBVR	SOT-23-5	Single Analog Switch	.46	.37	.25
595-SN74LVC1G66DCKR	SC-70-5	Single Analog Switch	.22	.19	.17
595-SN74LVC1G79DBVR	SOT-23-5	Single Edge-Triggered D-Type Latch	.14	.13	.12
595-SN74LVC1G79DCKR	SC70-5	Single Edge-Triggered D-Type Latch	.14	.13	.12
595-SN74LVC1G80DBVR	SOT-23-5	Single Edge-Triggered D-Type Latch	.14	.13	.12
595-SN74LVC1G80DCKR	SC70-5	Single Edge-Triggered D-Type Latch	.14	.13	.12
595-SN74LVC1G86DBVR	SOT-23-5	Single 2-Input Exclusive OR Gate	.13	.12	.11
595-SN74LVC1G86DCKR	SC70	Single 2-Input Exclusive OR Gate	.14	.13	.12
595-SN74LVC1G97DCKR	SOP-6	Multiple-Function Gate	.39	.32	.22
595-SN74LVC1G97QDCQ1	SOP-6	Configurable Multiple-Function Gate	.46	.37	.26
595-SN74LVC1G98QDCQ1	SOP-6	Configurable Multiple-Function Gate	.46	.37	.26
595-SN74LVC1GU04DBVR	SOT-23-5	Single Inverter Gate	.14	.13	.12
595-SN74LVC1GU04DCKR	SC70-5	Single Inverter Gate	.19	.17	.16
595-SN74LVC1T45DCKR	SOP-6	Bus Transceiver	.52	.39	.29
595-SN74LVC1T45YZPR	WCSP-6	Bus Transceiver	.56	.42	.32
595-SN74LVC2244APWR	TSSOP-20	Octal Buffer/Driver	.36	.32	.29
595-SN74LVC240APWR	TSSOP-20	Octal Buffer/Driver	.36	.32	.29
595-SN74LVC244ADBR	SSOP-20	Octal Buffer/Driver	.53	.42	.32
595-SN74LVC244ADGVR	TVSOP-20	Octal Buffer/Driver	.48	.43	.39
595-SN74LVC244ADW	SOIC-20	Octal Buffer/Driver	.26	.24	.21
595-SN74LVC244ADWR	SOIC-20	Octal Buffer/Driver	.26	.24	.21
595-SN74LVC244APW	TSSOP-20	Octal Buffer/Driver	.44	.33	.25
595-SN74LVC244APWR	TSSOP-20	Octal Buffer/Driver	.55	.44	.33
595-SN74LVC244ARGYR	QFN-20	Octal Buffer/Driver	.41	.37	.33
595-SN74LVC245ADBR	SSOP-20	Octal Bus Transceiver	.26	.24	.21
595-SN74LVC245ADW	SOIC-20	Octal Bus Transceiver	.55	.44	.33
595-SN74LVC245ADWR	SOIC-20	Octal Bus Transceiver	.26	.24	.21

TEXAS INSTRUMENTS Logic

Products may be RoHS compliant.
Check mouser.com for RoHS status.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74LVC245APW	TSSOP-20	Octal Bus Transceiver	.36	.32	.29
595-SN74LVC245APWR	TSSOP-20	Octal Bus Transceiver	.60	.45	.34
595-SN74LVC257AD	SOP-16	Quadruple Data Selector/Multiplexer	.34	.30	.27
595-SN74LVC2G00DCTR	SSOP-8	Dual 2-Input Positive NAND Gate	.32	.29	.26
595-SN74LVC2G02DCTR	SSOP-8	Dual 2-Input Positive NOR Gate	.31	.28	.25
595-SN74LVC2G02DCUR	VSSOP-8	Dual 2-Input Positive NOR Gate	.29	.26	.23
595-SN74LVC2G04DBVR	SOT-23-6	Dual Inverter	.40	.32	.24
595-SN74LVC2G04DCKR	SC-70-6	Dual Inverter	.40	.32	.24
595-SN74LVC2G06DBVR	SOT-23-6	Dual Inverter Buffer/Driver	.19	.17	.16
595-SN74LVC2G06DCKR	SC-70-6	Dual Inverter Buffer/Driver	.19	.17	.16
595-SN74LVC2G07DBVR	SOT-23-6	Dual Buffer	.40	.32	.24
595-SN74LVC2G07DCKR	SC-70-6	Dual Buffer	.40	.32	.24
595-SN74LVC2G08DCTR	SSOP-8	Dual Positive-AND Gate	.48	.36	.27
595-SN74LVC2G08DCUR	VSSOP-8	Dual Positive-AND Gate	.29	.26	.23
595-SN74LVC2G125DCTR	SSOP-8	Dual Bus Buffer Gate	.48	.36	.27
595-SN74LVC2G132DCUR	US 8-8	Dual 2-Input NAND Gate	.48	.36	.27
595-SN74LVC2G14DBVR	SOT-23-6	Dual Inverter	.40	.32	.24
595-SN74LVC2G14DCKR	SC70-6	Dual Inverter	.40	.32	.24
595-SN74LVC2G157DCTR	SSOP-8	Single Data Selector/Multiplexer	.29	.26	.23
595-SN74LVC2G157DCUR	VSSOP-8	Single Data Selector/Multiplexer	.29	.26	.23
595-SN74LVC2G17DBVR	SOT-23-6	Dual Buffer	.40	.32	.24
595-SN74LVC2G17DCKR	SC70-6	Dual Buffer	.40	.32	.24
595-SN74LVC2G241DCTR	SSOP-8	Dual Buffer/Driver	.30	.27	.24
595-SN74LVC2G241DCUR	VSSOP-8	Dual Buffer/Driver	.31	.28	.25
595-SN74LVC2G34DBVR	SOT-23-6	Dual Buffer Gate	.48	.36	.27
595-SN74LVC2G34DCKR	SC-70-6	Dual Buffer Gate	.48	.36	.27
595-SN74LVC2G53DCTR	SSOP-8	SPDT Analog Switch	.31	.28	.25
595-SN74LVC2G53DCUR	VSSOP-8	SPDT Analog Switch	.29	.26	.23
595-SN74LVC2G66DCTR	SSOP-8	Dual Analog Switch	.29	.26	.23
595-SN74LVC2G74DCTR	SSOP-8	Single D-Type Flip-Flop	.48	.36	.27
595-SN74LVC2G74DCUR	VSSOP-8	Single D-Type Flip-Flop	.48	.36	.27
595-SN74LVC2G86DCUR	VSSOP-8	Dual 2-Input Exclusive OR Gate	.29	.26	.23
595-SN74LVC2GU04DBVR	SOT-23-6	Dual Inverter	.40	.32	.24
595-SN74LVC2GU04DCKR	SC-70-6	Dual Inverter	.40	.32	.24
595-SN74LVC2T45DCTR	SSOP-8	Dual-Bit Dual Supply Transceiver	.72	.54	.41
595-SN74LVC2T45DCUR	US 8-8	Dual-Bit Dual Supply Transceiver	.72	.54	.41
595-SN74LVC32AD	SOIC-14	Quad Positive-OR Gate	.49	.39	.27
595-SN74LVC32APW	TSSOP-14	Quad Positive-OR Gate	.18	.16	.15
595-SN74LVC374ADWR	SOIC-20	Edge-Triggered D-Type Flip-Flop	.29	.26	.23
595-SN74LVC374APWR	TSSOP-20	Edge-Triggered D-Type Flip-Flop	.29	.26	.23
595-SN74LVC3G04DCTR	SSOP-8	Triple Inverter Gate	.36	.32	.29
595-SN74LVC3G04DCUR	VSSOP-8	Triple Inverter Gate	.36	.32	.29
595-SN74LVC3G07DCTR	SSOP-8	Triple Buffer/Driver	.36	.32	.29
595-SN74LVC3G07DCUR	VSSOP-8	Triple Buffer/Driver	.36	.32	.29
595-SN74LVC3G14DCTR	SSOP-8	Triple Schmitt-Trigger Inverter	.36	.32	.29
595-SN74LVC3G14DCUR	VSSOP-8	Triple Schmitt-Trigger Inverter	.36	.32	.29
595-SN74LVC3G34DCTR	SSOP-8	Triple Buffer Gate	.36	.32	.29
595-SN74LVC3G34DCUR	VSSOP-8	Triple Buffer Gate	.36	.32	.29
595-SN74LVC4245ADBR	SSOP-24	Octal Bus Transceiver	.90	.75	.60
595-SN74LVC4245ADW	SOP-24	Octal Bus Transceiver	.90	.75	.60
595-SN74LVC4245APW	TSSOP-24	Octal Bus Transceiver	.72	.65	.58
595-SN74LVC540APWR	TSSOP-20	Octal Buffer/Driver	.38	.35	.31
595-SN74LVC541ADBR	SSOP-20	Octal Buffer	.29	.26	.23
595-SN74LVC541ADW	SOP-20	Octal Buffer	.48	.36	.27
595-SN74LVC541APW	TSSOP-20	Octal Buffer	.29	.26	.23
595-SN74LVC573ADBR	SSOP-20	Octal Transparent D-Type Latch	.29	.26	.23
595-SN74LVC573ADW	SOIC-20	Octal Transparent D-Type Latch	.29	.26	.23
595-SN74LVC573APWR	TSSOP-20	Octal Transparent D-Type Latch	.29	.26	.23
595-SN74LVC573ARGYR	QFN-20	Octal Transparent D-Type Latch	.48	.43	.39
595-SN74LVC574ADBR	SSOP-20	Octal Edge-Triggered D-Type Latch	.29	.26	.23
595-SN74LVC574ADW	SOP-20	Octal Edge-Triggered D-Type Latch	.29	.26	.23
595-SN74LVC574AGQNR	BGA-20	Octal Edge-Triggered D-Type Latch	.43	.39	.35
595-SN74LVC574APWR	TSSOP-20	Octal Edge-Triggered D-Type Latch	.29	.26	.23
595-SN74LVC74AD	SOIC-14	D-Type Flip-Flop	.49	.39	.27
595-SN74LVC74APW	TSSOP-14	D-Type Flip-Flop	.18	.16	.15
595-SN74LVC823APWR	TSSOP-24	9-Bit Bus Interface Flip-Flop	.60	.54	.49
595-SN74LVC827APW	TSSOP-24	10-Bit Buffer	1.48	1.11	.83
595-SN74LVC86AD	SOP-14	Quadruple 2-Input Exc OR Gate	.18	.16	.15
595-SN74LVC86APWR	TSSOP-14	Quadruple 2-Input Exc OR Gate	.18	.16	.15
595-SN74LVC8T245PWR	TSSOP-24	8-Bit Bus Transceiver	4.20	3.15	2.28
595-SN74LVC8T245RHLR	QFN-24	8-Bit Bus Transceiver	.94	.84	.76
595-SN74LVCC3245ADBR	SSOP-24	8-Bit Bus Transceiver	.84	.76	.68
595-SN74LVCC3245ADW	SOIC-24	8-Bit Bus Transceiver	.84	.76	.68
595-SN74LVCC3245APW	TSSOP-24	8-Bit Bus Transceiver	1.05	.88	.70
595-SN74LVCC4245ADWR	SOIC-24	Octal Bus Transceiver	.84	.76	.68
595-SN74LVCH16245ADL	SSOP-48	16-Bit Bus Transceiver	.91	.82	.74
595-SN74LVCH244APWR	TSSOP-20	Octal Buffer/Driver	.36	.32	.29
595-SN74LVCH245ADBR	SSOP-20	Octal Bus Transceiver	.36	.32	.29
595-SN74LVCH245APW	TSSOP-20	Octal Bus Transceiver	.64	.48	.36
595-SN74LVCH245APWR	TSSOP-20	Octal Bus Transceiver	.38	.35	.31
595-SN74LVCHR16245AV	TVSOP-48	16-Bit Bus Transceiver	1.20	1.08	.97
595-SN74LVCR16224DLR	SSOP-48	16-Bit Bus Transceiver	.95	.84	.76
595-SN74LVCR16245ADG	TSSOP-48	16-Bit Bus Transceiver	2.20	1.76	1.32
595-SN74LVCR2245APW	TSSOP-20	Octal Bus Transceiver	.48	.43	.39
595-SN74LVT244BDBR	SSOP-20	3.3V ABT Octal Buffer/Driver	.55	.50	.45
595-SN74LVT244BDW	SOIC-20	3.3V ABT Octal Buffer/Driver	.55	.50	.45

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Package	Description	Price Each		
			1	25	100
595-SN74LVT244BDWR	SOIC-20	3.3V ABT Octal Buffer/Driver	.55	.50	.45
595-SN74LVT244BPWR	TSSOP-20	3.3V ABT Octal Buffer/Driver	.55	.50	.45
595-SN74LVT245BDBR	SSOP-20	3.3V ABT Octal Bus Transceiver	.55	.50	.45
595-SN74LVT245BDW	SOP-20	3.3V ABT Octal Bus Transceiver	.55	.50	.45
595-SN74LVT245BPWR	TSSOP-20	3.3V ABT Octal Bus Transceiver	.55	.50	.45
595-SN74LVTH125D	SOIC-14	3.3V ABT Quadruple Bus Buffer	.34	.30	.27
595-SN74LVTH125PWR	TSSOP-14	3.3V ABT Quadruple Bus Buffer	.34	.30	.27
595-SN74LVTH162245DL	SSOP-48	16-Bit Bus Transceiver	.96	.86	.78
595-SN74LVTH16543DLR	SSOP-56	3.3V ABT 16-Bit Reg Transceiver	1.32	1.19	1.07
595-SN74LVTH244ADBR	SSOP-20	3.3V ABT Octal Buffer/Driver	.48	.43	.39
595-SN74LVTH244ADW	SOIC-20	3.3V ABT Octal Buffer/Driver	.48	.43	.39
595-SN74LVTH244APW	TSSOP-20	3.3V ABT Octal Buffer/Driver	.80	.60	.45
595-SN74LVTH244APWR	TSSOP-20	3 3V ABT Octal Buffer/Driver	.48	.43	.39
595-SN74LVTH245ADWR	SOP-20	3 3V ABT Octal Bus Transceiver	.48	.43	.39
595-SN74LVTH245APWR	TSSOP-20	3.3V ABT Octal Bus Transceiver	.48	.43	.39
595-SN74LVTH273DWR	SOIC-20	3.3V ABT Octal D-Type Flip-Flop	.48	.43	.39
595-SN74LVTH273PWR	TSSOP-20	3.3V ABT Octal D-Type Flip-Flop	.48	.43	.39
595-SN74LVTH373PWR	TSSOP-20	3.3V ABT Octal Trans D-Type Latch	.48	.43	.39
595-SN74LVTH374PWR	TSSOP-20	Edge-Triggered D-Type Flip-Flop	.48	.43	.39
595-SN74LVTH543PWR	TSSOP-24	3.3V ABT Octal Reg Transceiver	1.08	.97	.87
595-SN74LVTH652PWR	TSSOP-24	3.3V ABT Octal Bus Trans & Reg	1.80	1.62	1.46
595-SN74S04N	DIP-14	Hex Inverter	1.09	.93	.78
595-SN74S244N	PDIP-20	Octal Buffer & Line Driver	3.50	3.00	2.50
595-SN74S283N	PDIP-16	4-Bit Binary Full Adders	5.57	5.01	4.50
595-SN74SSTVF16859SR	QFN-56	13-Bit to 26-Bit Buffer	2.48	1.98	1.54
595-SN75107AN	DIP-14	Dual Line Receiver	1.25	1.00	.75
595-SN75115N	DIP-16	Dual Differential Line Receiver	2.38	1.90	1.43
595-SN75116N	DIP-16	Differential Line Transceiver	3.49	2.79	2.17
595-SN75160BDW	SOIC-20	Octal Interface Bus Transceiver	2.00	1.60	1.20
595-SN75160BN	DIP-20	Octal Interface Bus Transceiver	2.00	1.60	1.20
595-SN75161BDW	SOP-20	Octal Interface Bus Transceiver	1.92	1.73	1.55
595-SN75161BN	DIP-20	Octal Interface Bus Transceiver	2.00	1.60	1.20
595-SN75182N	DIP-14	Dual Differential Line Receiver	1.25	1.00	.75
595-SN75183N	DIP-14	Quad Differential Line Driver	2.63	2.11	1.64
595-SN75188D	SOP-14	Quadruple Line Driver	.29	.26	.23
595-SN75372D	SOIC-8	Dual MOSFET Driver	2.25	1.80	1.35
595-SN75372P	PDIP-8	Dual MOSFET Driver	2.25	1.80	1.35
595-SN754410NE	DIP-16	Quadruple Half-H Drivers	1.88	1.50	1.13
595-SN75451BD	SOP-8	High-Current Peripheral Driver	.80	.60	.45
595-SN75451BP	DIP-8	High-Current Peripheral Driver	.80	.60	.45
595-SN75452BD	SOIC-8	High-Current Peripheral Driver	.80	.60	.45
595-SN75452BP	DIP-8	High-Current Peripheral Driver	.80	.60	.45
595-SN75453BD	SOP-8	Dual High Current Peripheral Driver	.48	.43	.39
595-SN75453BP	DIP-8	Dual High Current Peripheral Driver	.48	.43	.39
595-SN75454BP	DIP-8	Dual High Current Peripheral Driver	.48	.43	.39
595-SN75462P	DIP-8	Dual High Current Peripheral Driver	.91	.82	.74
595-SN75463P	DIP-8	High-Current Peripheral Driver	1.35	1.13	.90
595-SN75468N	DIP-16	Darlington Transistor Array	.75	.63	.50
595-SN75469N	DIP-16	Darlington Transistor Array	.80	.60	.45
595-SN75471P	DIP-8	Dual High Current Peripheral Driver	.48	.43	.39
595-SN75472P	DIP-8	High-Current Peripheral Driver	.80	.60	.45
595-SN75477P	DIP-8	Dual Peripheral Driver	.48	.43	.39
595-SN75ALS160N	PDIP-20	Octal Bus Transceiver	3.80	2.85	2.14
595-SN75ALS162DW	SOIC-24	Octal Bus Transceiver	4.70	3.76	2.93
595-SN75C1167DBR	SSOP-16	Dual Differential Driver and Receiver	1.20	1.08	.97
595-SN75C1168NSR	SOP-16	Dual Differential Driver and Receiver	1.44	1.30	1.16
595-SNABT162245DGGR	TSSOP-48	16-Bit Bus Transceiver	.96	.86	.78
595-SNABT16244ADGGR	TSSOP-48	16-Bit Buffer	.96	.86	.78
595-SNABT16245ADGGR	TSSOP-48	16-Bit Bus Transceiver	.96	.86	.78
595-SNAHCT1G125DBVR	SOT-23-5	Single Bus Buffer Gate	.39	.32	.22
595-SNAHCT1G125DCKR	SOT-5	Single Bus Buffer Gate	.14	.13	.12
595-SNAHCT1G126DBVR	SOT-23-5	Single Bus Buffer Gate	.14	.13	.12
595-SNAHCT1G126DCKR	SOT-5	Single Bus Buffer Gate	.14	.13	.12
595-SNALVC16244ADGGR	TSSOP-48	16-Bit Buffer/Driver	.84	.76	.68
595-SNALVC164245DGGR	TSSOP-48	16-Bit Shifting Transceiver	1.50	1.20	.90
595-SNALVCH162244GR	TSSOP-48	16-Bit Buffer/Driver	1.20	1.08	.97
595-SNALVCH162374GR	TSSOP-48	16-Bit Edge Trig D-Type Flip-Flop	1.20	1.08	.97
595-SNALVCH16244DGGR	TSSOP-48	16-Bit Buffer/Driver	1.20	1.08	.97
595-SNALVCH16245DGGR	TSSOP-48	16-Bit Bus Transceiver	1.20	1.08	.97
595-SNALVCH162601GR	TSSOP-56	18-Bit Universal Bus Transceiver	1.20	1.08	.97
595-SNALVCH16260DGGR	TSSOP-56	12-Bit to 24-Bit D-Type Latch	1.20	1.08	.97
595-SNALVCH16269DGGR	TSSOP-56	12-Bit to 24-Bit Bus Exchanger	1.68	1.51	1.36
595-SNALVCH16373DGGR	TSSOP-48	16-Bit Transparent D-Type Latch	1.20	1.08	.97
595-SNALVCH16374DGGR	TSSOP-48	16-Bit Edge Trig D-Type Flip-Flop	1.20	1.08	.97
595-SNALVCHR16245GR	TSSOP-48	16-Bit Bus Transceiver	.96	.86	.78
595-SNALVTH162244GR	TSSOP-48	2.5/3.3V 16-Bit Buffer/Drivers	1.06	.95	.85
595-SNCBTD1G125DBVR	SOT-23-5	Single FET Bus Switch	.26	.24	.21
595-SNCBTLV3245APWR	TSSOP-20	Octal FET Bus Switch	.53	.48	.43
595-SNCBTLV3253DBQR	SSOP-16	Multiplexer/Demultiplexer	.53	.48	.43
595-SNLVC162244ADGGR	TSSOP-48	16-Bit Buffer/Driver	.91	.82	.74
595-SNLVC16244ADGGR	TSSOP-48	16-Bit Buffer	1.14	.95	.76
595-SNLVC16245ADGGR	TSSOP-48	16-Bit Bus Transceiver	1.14	.95	.76
595-SNLVC16245ADGVR	TVSOP-48	16-Bit Bus Transceiver	1.39	1.25	1.13
595-SNLVC16373ADGGR	TSSOP-48	16-Bit Transparent D-Type Latch	.91	.82	.74
595-SNLVC16374ADGGR	TSSOP-48	16-Bit Edge-Triggered D-Type Latch	.91	.82	.74
595-TXB0104ZXUR	BGA JR-12	4-Bit Bi-Directional Translator	1.38	1.10	.83

ALD Precision Analog ICs

RoHS Compliant This page of product is compliant.

ADVANCED
LINEAR
DEVICES, INC.

EPAD® ENERGY HARVESTING™ MODULES

Advanced Linear Devices' EPAD® ENERGY HARVESTINGTM Modules can accept energy from many types of electrical energy sources and store this energy to power conventional 3.3V and 5.0V electrical circuits and systems. They are completely self-powered and always in the active mode and are intended for low power intermittent duty cycle sampled data or condition-based monitoring/extreme lifespan applications.

NEW! TECHNOLOGY

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Price Each		
			1	25	100
585-EH300	EH300	1.8V to 3.6V, 4.6mJ, 68msec@25mA	49.83	46.51	44.85
585-EH300A	EH300A	1.8V to 3.6V, 30mJ, 75msec@150mA	58.50	54.60	52.65
585-EH301	EH301	3.1V to 5.2V, 8.3mJ, 80msec@25mA	49.83	46.51	44.85
585-EH301A	EH301A	3.1V to 5.2V, 55mJ, 88msec@150mA	58.50	54.60	52.65
Cables					
585-EHJ1C	EHJ1C	Two pin 6 in. Cable for EH300/EH301 w/connector	3.00	2.80	2.70
585-EHJ2C	EHJ2C	Four wire 6 in. Cable for EH300/EH301 w/connector	6.00	5.60	5.40
Kit					
585-EH300KIT	EH300KIT	Evaluation Kit (One each of EH300 and EH300A, Two each EHJ1C/EHJ2C cables)	120.00	112.00	108.00

ULTRA LOW INPUT OFFSET VOLTAGE EPAD® DUAL CMOS ANALOG VOLTAGE COMPARATORS

◆ Surface Mount

- Instrument Grade
- Patented EPAD® Technology
- Ultra Low Input Signal Power
- Ultra Low Input Currents
- Ultra Low Input Offset Voltages
- Separate and Low Outputs
- Temperature Range: 0 to 70°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Output Drive Current		Input Offset Voltage Max. (mV)	Input Bias Current Typ./Max. (pA)	Response Time Typ. (ns)	Supply Voltage Min./Max. (V)	Supply Current (Per Comp) Max. (μA)	Price Each		
				Min. (mA)	Typ. (mA)						1	25	100
585-ALD2321APCL	ALD2321APCL	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	0.2	0.01/20	400	3/10	90	3.65	2.42	2.32
◆585-ALD2321ASCL	ALD2321ASCL	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	0.2	0.01/20	400	3/10	90	3.65	2.42	2.32
585-ALD2321BPCL	ALS2321BPCL	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	0.5	0.01/20	400	3/10	90	2.91	2.11	1.85
◆585-ALD2321BSCL	ALD2321BSCL	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	0.5	0.01/20	400	3/10	90	2.91	2.11	1.85
585-ALD2321PCL	ALD2321PCL	Source Sink, Push-Pull	DIP-16	24 / -3.5	50 / -4.5	1	0.01/20	400	3/10	90	2.44	1.62	1.55
◆585-ALD2321SCL	ALD2321SCL	Source Sink, Push-Pull	SO-16	24 / -3.5	50 / -4.5	1	0.01/20	400	3/10	90	2.44	1.62	1.55

PRECISION CMOS VOLTAGE COMPARATORS

◆ Surface Mount

- Instrument Grade
- High Input Impedance
- Low Power
- High Output Currents
- Low Input Offset Voltage
- Near Infinite Current Gain
- Low Input Bias Currents
- Temperature Range: 0 to 70°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Input Offset Voltage Max. (mV)	Output Drive Current		Input Bias Current Typ./Max. (pA)	Response Time Typ. (ns)	Supply Voltage Min./Max. (V)	Supply Current Per Comp Max. (μA)	Price Each		
					Min. (mA)	Typ. (mA)					1	25	100
585-ALD2302APAL	ALD2302APAL	Push-Pull, Dual	DIP-8	1	24/-2.0	60/-4.5	10/200	180/400	4/12	250	4.74	3.51	3.01
◆585-ALD2302ASAL	ALD2302ASAL	Push-Pull, Dual	SO-8	1	24/-2.0	60/-4.5	10/200	180/400	4/12	250	4.74	3.51	3.01
585-ALD2303APAL	ALD2303APAL	Open Drain, Dual	DIP-8	1	24	60	10/200	5000/6500	3/12	20	5.08	4.04	3.23
◆585-ALD2303ASAL	ALD2303ASAL	Open Drain, Dual	SO-8	1	24	60	10/200	5000/6500	3/12	20	5.08	4.04	3.23
585-ALD2301APAL	ALD2301APAL	Open Drain, Dual	DIP-8	2	24	60	10/200	300/650	3/12	90	5.08	4.04	3.23
◆585-ALD2301ASAL	ALD2301ASAL	Open Drain, Dual	SO-8	2	24	60	10/200	300/650	3/12	90	5.08	4.04	3.23
585-ALD2302PAL	ALD2302PAL	Push-Pull, Dual	DIP-8	4	24/-2.0	60/-4.5	10/200	180/400	4/12	250	2.23	1.47	1.42
◆585-ALD2302SAL	ALD2302SAL	Push-Pull, Dual	SO-8	4	24/-2.0	60/-4.5	10/200	180/400	4/12	250	2.39	1.58	1.53
585-ALD2303PAL	ALD2303PAL	Open Drain, Dual	DIP-8	4	24	60	10/200	5000/6500	3/12	20	2.28	1.51	1.45
◆585-ALD2303SAL	ALD2303SAL	Open Drain, Dual	SO-8	4	24	60	10/200	5000/6500	3/12	20	2.39	1.58	1.53
◆585-ALD2301BSAL	ALD2301BSAL	Open Drain, Dual	SO-8	5	24	60	10/200	300/650	3/12	90	3.19	2.11	2.03
◆585-ALD4301ASBL	ALD4301ASBL	Open Drain, Quad	SO-14	5	24	60	10/200	300/650	3/12	90	4.22	3.35	2.68
585-ALD4302APBL	ALD4302APBL	Push-Pull, Quad	DIP-14	5	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.67	3.37	2.98
◆585-ALD4302ASBL	ALD4302ASBL	Push-Pull, Quad	SO-14	5	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.90	3.53	3.12
585-ALD4303APBL	ALD4303APBL	Open Drain, Quad	DIP-14	5	24	60	10/200	5000/6500	3/12	20	4.97	3.59	3.16
585-ALD4303PBL	ALD4303PBL	Open Drain, Quad	DIP-14	10	24	60	10/200	5000/6500	3/12	20	3.58	2.28	2.25
◆585-ALD4303SBL	ALD4303SBL	Open Drain, Quad	SO-14	10	24	60	10/200	5000/6500	3/12	20	4.40	3.18	2.79
585-ALD2301PAL	ALD2301PAL	Open Drain, Dual	DIP-8	10	24	60	10/200	300/650	3/12	90	2.12	1.68	1.35
◆585-ALD2301SAL	ALD2301SAL	Open Drain, Dual	SO-8	10	24	60	10/200	300/650	3/12	90	2.12	1.68	1.35
585-ALD4302PBL	ALD4302PBL	Push-Pull, Quad	DIP-14	10	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.10	2.96	2.61
◆585-ALD4302SBL	ALD4302SBL	Push-Pull, Quad	SO-14	10	24/-2.0	60/-4.5	10/200	120/400	3/12	250	4.38	3.17	2.78
◆585-ALD4301SBL	ALD4301SBL	Open Drain, Quad	SO-14	10	24	60	10/200	300/650	3/12	90	3.69	2.93	2.35
585-ALD2301CPAL	ALD2301CPAL	Open Drain, Dual	DIP-8	20	24	60	10/400	300/650	3/12	90	1.96	1.56	1.25
◆585-ALD2301CSAL	ALD2301CSAL	Open Drain, Dual	SO-8	20	24	60	10/400	300/650	3/12	90	1.96	1.56	1.25

ULTRA LOW CHARGE INJECTION LOW VOLTAGE ANALOG SWITCHES

◆ Surface Mount

- Precision Switches
- High Fidelity Small Signal Switching
- Low Voltage
- Temperature Range: 0 to 70°C
- Supply Voltage: Min. - 3±1.5V, Max. - 12±6V
- Supply Current: 1μA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Switch Action	Charge Injection Typ./Max. (pC)	Source Off Leakage Max. (pA)	Ron (Ohm) Max.	Turn-On Time (ns) Max.	Price Each		
									1	25	100
585-ALD4201PCL	ALD4201PCL	Quad SPST NC	DIP-16	Break-before-Make	2.0/5.0	100	180	240	2.26	1.79	1.44
◆585-ALD4201SCL	ALD4201SCL	Quad SPST NC	SO-16	Break-before-Make	1.0/2.5	100	180	240	2.49	1.97	1.58
585-ALD4202MPCL	ALD4202MPCL	Quad SPST NO	DIP-16	Make-before-Break	1.0/2.0	100	180	110	2.26	1.79	1.44
◆585-ALD4202MSCL	ALD4202MSCL	Quad SPST NO	SO-16	Make-before-Break	0.7/2.0	100	180	110	2.49	1.97	1.58
585-ALD4211PCL	ALD4211PCL	Quad SPST NC	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44
◆585-ALD4211SCL	ALD4211SCL	Quad SPST NC	SO-16	Break-before-Make	0.2/1.0	100	190	130	2.49	1.97	1.58
585-ALD4212PCL	ALD4212PCL	Quad SPST NO	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44
◆585-ALD4212SCL	ALD4212SCL	Quad SPST NO	SO-16	Break-before-Make	0.2/1.0	100	190	130	2.49	1.97	1.58
585-ALD4213PCL	ALD4213PCL	Dual NO/Dual NC	DIP-16	Break-before-Make	0.2/1.0	100	190	130	2.26	1.79	1.44

PRECISION LOW DRIFT, LOW POWER, ANALOG TIMERS WITH HIGH DISCHARGE OUTPUT

◆ Surface Mount

- Precision
- High Speed
- High Input Impedance
- Stable with Supply Voltage Changes
- Temperature Range: 0 to 70°C
- Temperature Drift: Typ. 10ppm / °C
- Timer Accuracy: Typ. 1%

For quantities of 250 and up, call for quote.

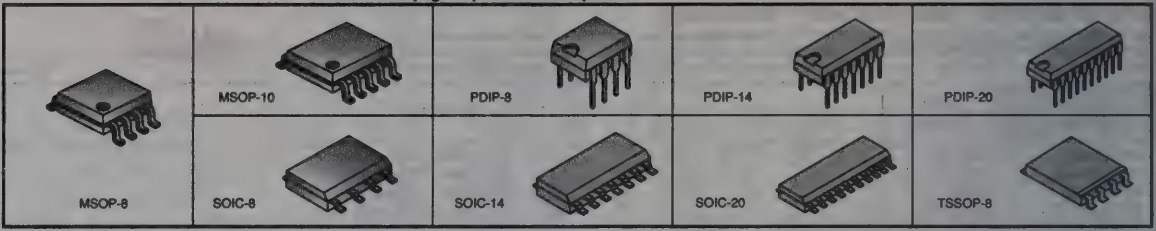
MOUSER STOCK NO.	ALD Part No.	Description	Package	Type	Supply Volt. Drift (Typ.) (%/V)	Discharge Output Voltage/Current (V)/(mA)	Supply Voltage		Sup. Current (per Timer) (μA) Max.	Price Each		
							Min. (V)	Max. (V)		1	25	100
585-ALD1502PAL	ALD1502PAL	Micropower CMOS Timer	DIP-8	Single	0.2	1.0 @ 80	2	12	90	1.50	1.19	.96
◆585-ALD1502SAL	ALD1502SAL	Micropower CMOS Timer	SO-8	Single	0.2	1.0 @ 80	2	12	90	1.50	1.19	.96
585-ALD2502PBL	ALD2502PBL	Micropower CMOS Timer	DIP-14	Dual	0.2	1.0 @ 80	2	12	90	2.17	1.72	1.38
◆585-ALD2502SBL	ALD2502SBL	Micropower CMOS Timer	SO-14	Dual	0.2	1.0 @ 80	2	12	90	2.14	1.70	1.36
585-ALD4501PEL	ALD4501PEL	Micropower CMOS Timer	DIP-20	Quad	0.1	1.0 @ 40	2	12	67.5	4.47	2.85	2.72
585-ALD555PAL	ALD555PAL	CMOS Timer	DIP-8	Single	0.1	1.0 @ 80	2	12	180	1.50	1.19	.96
◆585-ALD555SAL	ALD555SAL	CMOS Timer	SO-8	Single	0.1	1.0 @ 80	2	12	180	1.50	1.19	.96

CATALYST Digitally Programmable Potentiometers

CATALYST SEMICONDUCTOR, INC.

RoHS Compliant This page of product is compliant.

DPP Advantages:
- Easy, fast adjustment
  - -With digital control, NO screwdrivers!
  - -During Assemble
  - -For field maintenance and calibration
  - -Without "opening" the box or access holes
- In-system calibration
  - -NO access holes needed
  - -Maintain EMI specs
- Non-volatile wiper position
- Multiple POTs per IC package
  - -Small PCB footprint



CATALYST 32 AND 100 TAP CONFIGURED DIGITALLY PROGRAMMABLE POTENTIOMETERS (DPP™)

◆ Surface Mount Device

Features:
- 32 position linear taper
- Nonvolatile wiper position storage
- Low power CMOS technology
- Single supply operation: 2.5V to 6.0V
- Increment up/down control
- Buffered output, CAT5111 & CAT5112
- Resistor values: 10kΩ, 50kΩ and 100kΩ

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Supply Range (V)	Type	Taps	Resistance Option (kΩ)	Buffered Wiper	Digital Interface	Supply Type	Price Each			
Mfr.	Mfr. Part No.									1	25	100	250
698	CAT5114LI-10	PDIP-8	2.5 to 6.0	Single	32	10	No	Increment/Decrement	Single	1.12	.90	.84	.78
◆ 698	CAT5114VI-10	SOIC-8	2.5 to 6.0	Single	32	10	No	Increment/Decrement	Single	1.12	.90	.84	.78
◆ 698	CAT5114ZI-10	MSOP-8	2.5 to 6.0	Single	32	10	No	Increment/Decrement	Single	1.24	.96	.90	.84
698	CAT5112L-10	PDIP-8	2.5 to 6.0	Single	32	10	Yes	Increment/Decrement	Single	1.08	.86	.81	.76
698	CAT5112LI-10	PDIP-8	2.5 to 6.0	Single	32	10	Yes	Increment/Decrement	Single	1.20	.96	.90	.84
◆ 698	CAT5112VI-10	SOIC-8	2.5 to 6.0	Single	32	10	Yes	Increment/Decrement	Single	1.20	.96	.90	.84
◆ 698	CAT5110TBI-50T	SOT-23	2.5 to 6.0	Single	32	50	No	Increment/Decrement	Single	.66	.53	.50	.46
◆ 698	CAT5118TBI-50	SOT-23	2.5 to 6.0	Single	32	50	No	Increment/Decrement	Single	.66	.53	.50	.46
◆ 698	CAT5119TBI-50	SOT-23	2.5 to 6.0	Single	32	50	No	Increment/Decrement	Single	.66	.53	.50	.46
698	CAT5114LI-00	PDIP-8	2.5 to 6.0	Single	32	100	No	Increment/Decrement	Single	1.08	.86	.81	.76
◆ 698	CAT5114V-00	SOIC-8	2.5 to 6.0	Single	32	100	No	Increment/Decrement	Single	1.02	.82	.77	.71
698	CAT5114VI-00	SOIC-8	2.5 to 6.0	Single	32	100	No	Increment/Decrement	Single	1.08	.86	.81	.76
◆ 698	CAT5110TBI-00T	SOT-23	2.5 to 6.0	Single	32	100	No	Increment/Decrement	Single	.66	.53	.50	.46
◆ 698	CAT5118TBI-00	SOT-23	2.5 to 6.0	Single	32	100	No	Increment/Decrement	Single	.66	.53	.50	.46
◆ 698	CAT5119TBI-00	SOT-23	2.5 to 6.0	Single	32	100	No	Increment/Decrement	Single	.66	.53	.50	.46
698	CAT5112LI-00	PDIP-8	2.5 to 6.0	Single	32	100	Yes	Increment/Decrement	Single	1.14	.91	.86	.80
◆ 698	CAT5112VI-00	SOIC-8	2.5 to 6.0	Single	32	100	Yes	Increment/Decrement	Single	1.14	.91	.86	.80
698	CAT5113LI-10	PDIP-8	2.5 to 6.0	Single	100	10	No	Increment/Decrement	Single	1.54	1.23	1.16	1.08
◆ 698	CAT5113V-10	SOIC-8	2.5 to 6.0	Single	100	10	No	Increment/Decrement	Single	1.40	1.12	1.05	.98
◆ 698	CAT5113VI-10	SOIC-8	2.5 to 6.0	Single	100	10	No	Increment/Decrement	Single	1.54	1.23	1.16	1.08
◆ 698	CAT5113Z-10	MSOP-8	2.5 to 6.0	Single	100	10	No	Increment/Decrement	Single	1.46	1.17	1.10	1.02
◆ 698	CAT5113ZI-10	MSOP-8	2.5 to 6.0	Single	100	10	No	Increment/Decrement	Single	1.60	1.28	1.20	1.12
◆ 698	CAT5113Y-10	TSSOP-8	2.5 to 6.0	Single	100	10	No	Increment/Decrement	Single	1.46	1.17	1.10	1.02
◆ 698	CAT5113YI-10	TSSOP-8	2.5 to 6.0	Single	100	10	No	Increment/Decrement	Single	1.60	1.28	1.20	1.12
698	CAT5111L-10	PDIP-8	2.5 to 6.0	Single	100	10	Yes	Increment/Decrement	Single	1.50	1.20	1.13	1.05
698	CAT5111LI-10	PDIP-8	2.5 to 6.0	Single	100	10	Yes	Increment/Decrement	Single	1.66	1.33	1.25	1.16
◆ 698	CAT5111V-10	SOIC-8	2.5 to 6.0	Single	100	10	Yes	Increment/Decrement	Single	1.50	1.20	1.13	1.05
◆ 698	CAT5111VI-10	SOIC-8	2.5 to 6.0	Single	100	10	Yes	Increment/Decrement	Single	1.66	1.33	1.25	1.16
◆ 698	CAT5111Y-10	TSSOP-8	2.5 to 6.0	Single	100	10	Yes	Increment/Decrement	Single	1.56	1.25	1.17	1.09
◆ 698	CAT5111YI-10	TSSOP-8	2.5 to 6.0	Single	100	10	Yes	Increment/Decrement	Single	1.72	1.38	1.29	1.20
◆ 698	CAT5113V-00	SOIC-8	2.5 to 6.0	Single	100	100	No	Increment/Decrement	Single	1.40	1.12	1.05	.98
◆ 698	CAT5113VI-00	SOIC-8	2.5 to 6.0	Single	100	100	No	Increment/Decrement	Single	1.48	1.18	1.11	1.04
◆ 698	CAT5113Y-00	TSSOP-8	2.5 to 6.0	Single	100	100	No	Increment/Decrement	Single	1.46	1.17	1.10	1.02
◆ 698	CAT5113YI-00	TSSOP-8	2.5 to 6.0	Single	100	100	No	Increment/Decrement	Single	1.54	1.23	1.16	1.08
◆ 698	CAT5111V-00	SOIC-8	2.5 to 6.0	Single	100	100	Yes	Increment/Decrement	Single	1.50	1.20	1.13	1.05

CATALYST 128 TAP CONFIGURED DIGITALLY PROGRAMMABLE POTENTIOMETER (DPP™)

◆ Surface Mount Device

Features:
- Potentiometer control and memory access via 2-wire interface (I2C-like)
- Nonvolatile memory storage for wiper settings
- Automatic recall of saved wiper setting at power up
- Special increment/decrement instruction mode for automatic trimming adjustments
- VCC operation from 2.7 V to 5.5 V
- V+ (Analog Voltage Supply) operation from +8 V to +15V
- Standby current less than 15 μA
- 100 year nonvolatile memory data retention
- Operating temperature of -40°C to + 85°C

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Supply Range (V)	Type	Taps	Resistance Option (kΩ)	Buffered Wiper	Digital Interface	Supply Type	Price Each			
Mfr.	Mfr. Part No.									1	25	100	250
◆ 698	CAT5132ZI-10-G	MSOP-10	2.7 to 5.5	Single	128	10	No	Increment/Decrement	Single	1.50	1.20	1.13	1.05
◆ 698	CAT5132ZI-00-G	MSOP-10	2.7 to 5.5	Single	128	100	No	Increment/Decrement	Single	1.50	1.20	1.13	1.05

CATALYST 256 TAP CONFIGURED DIGITALLY PROGRAMMABLE POTENTIOMETER (DPP™)

◆ Surface Mount Device

Features:
- Direct WRITE and READ wiper settings
- Buffered wipers
- Independent reference terminal inputs, CAT525
- Rail-to-rail output range
- Single supply operation: 2.7V to 5.5V
- 3-wire serial interface
- 8-bit resolution or 256 tap positions
- Four (4) independently addressable wipers
- Nonvolatile wiper position storage

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Supply Range (V)	Type	Taps	Resistance Options (kΩ)	Buffered Wiper	Independent Reference Input	Digital Interface	Supply Type	Price Each			
Mfr.	Mfr. Part No.										1	25	100	250
698	CAT521L	PDIP-14	2.7 to 5.5	Single	256	28	Yes	N/A	3-Wire Single	Single	2.60	2.08	1.95	1.82
698	CAT521LI	PDIP-14	2.7 to 5.5	Single	256	28	Yes	N/A	3-Wire Single	Single	2.74	2.19	2.06	1.92
◆ 698	CAT521W	SOIC-14	2.7 to 5.5	Single	256	28	Yes	N/A	3-Wire Single	Single	2.60	2.08	1.95	1.82
◆ 698	CAT521WI	SOIC-14	2.7 to 5.5	Single	256	28	Yes	N/A	3-Wire Single	Single	2.74	2.19	2.06	1.92
698	CAT522L	PDIP-14	2.7 to 5.5	Dual	256	28	Yes	Yes	3-Wire Single	Single	3.14	2.51	2.36	2.20
698	CAT522LI	PDIP-14	2.7 to 5.5	Dual	256	28	Yes	Yes	3-Wire Single	Single	3.30	2.64	2.48	2.31
698	CAT523L	PDIP-14	2.7 to 5.5	Dual	256	28	Yes	No	3-Wire Single	Single	3.00	2.40	2.25	2.10
698	CAT523LI	PDIP-14	2.7 to 5.5	Dual	256	28	Yes	No	3-Wire Single	Single	3.16	2.53	2.37	2.21
698	CAT524LI	PDIP-14	2.7 to 5.5	Quad	256	28	Yes	No	3-Wire Single	Single	3.66	2.93	2.75	2.56
◆ 698	CAT524WI	SOIC-14	2.7 to 5.5	Quad	256	28	Yes	No	3-Wire Single	Single	3.66	2.93	2.75	2.56
698	CAT525L	PDIP-20	2.7 to 5.5	Quad	256	28	Yes	Yes	3-Wire Single	Single	4.42	3.54	3.32	3.09
698	CAT525LI	PDIP-20	2.7 to 5.5	Quad	256	28	Yes	Yes	3-Wire Single	Single	4.64	3.71	3.48	3.25
◆ 698	CAT525W	SOIC-20	2.7 to 5.5	Quad	256	28	Yes	Yes	3-Wire Single	Single	4.42	3.54	3.32	3.09
◆ 698	CAT525WI	SOIC-20	2.7 to 5.5	Quad	256	28	Yes	Yes	3-Wire Single	Single	4.64	3.71	3.48	3.25

CATALYST Supervisors and DC-DC Converters

RoHS Compliant **This page of product is compliant.**

CATALYST μP SUPERVISORY CIRCUITS WITH WATCHDOG TIMER AND SERIAL EEPROM

Supervisory Functions:

- Power Supply Voltage Supervisor
  - -Issues reset signal if power supply fails or is out of tolerance
  - -Insures μ C operates with power supply voltage
  - -Power-On reset and brownout protection
- Watchdog Timer (CAT1161, CAT1163)
  - -Restarts microcontroller/ASIC that has stalled because of a hardware or software failure

Memory Functions:

- 16K bit EEPROM Memory
- 400kHz I^2C Interface
  - -10ms maximum write time
  - -16 byte page write buffer
  - -Hardware write protection

Supervisor with Memory Advantages:

- Replaces two ICs with one
- Reduced PCB footprint by 50%
- Low cost

CAT1161 and CAT1163 Features:

- Watchdog monitors SDA signal (CAT1161)
- Watchdog timer input (WDI) (CAT1163)
- 400kHz I^2C bus compatible
- 2.7v to 6.0V operation
- Low power CMOS technology
- 16 byte page write buffer
- Built-in inadvertent write protection
  - -VCC lock out
  - -Write protect pin, WP
- Active high or low reset
  - -Precision power supply voltage monitor
  - -5V, 3.3V and 3V systems
  - -Five threshold voltage options
- 1,000,000 Program erase cycles
- Manual Reset
- 100 Year data retention
- 8-pin DIP or 8-pin SOIC

CAT1162 Features:

- No watchdog timer
- Lowest cost
- Other features same as CAT1161 and CAT1163

◆ Surface Mount Device

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Reset Level (V)	Operating Voltage	Temperature Range (°C)	Price Each			
Mfr.	Mfr. Part No.					1	25	100	250
uP Supervisory Circuits and 16K-bit I^2C Serial EEPROM Memory, Write Protect, Manual Reset, Watchdog Timer on SDA									
◆ 698—	CAT1161WI-25	SOIC-8	2.5	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1161LI-25	PDIP-8	2.5	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1161LI-28	PDIP-8	2.8	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
◆ 698—	CAT1161WI-30	SOIC-8	3.0	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
◆ 698—	CAT1161WI-42	SOIC-8	4.2	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1161LI-42	PDIP-8	4.2	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
◆ 698—	CAT1161WI-45	SOIC-8	4.5	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1161LI-45	PDIP-8	4.5	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
uP Supervisory Circuits and 16K-bit I^2C Serial EEPROM Memory, Write Protect, Manual Rest									
698—	CAT1162LI-25	PDIP-8	2.5	2.5 to 6.0	-40 to +85	.76	.61	.57	.53
◆ 698—	CAT1162WI-28	SOIC-8	2.8	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1162LI-28	PDIP-8	2.8	2.5 to 6.0	-40 to +85	.76	.61	.57	.53
698—	CAT1162LI-30	PDIP-8	3.0	2.5 to 6.0	-40 to +85	.76	.61	.57	.53
◆ 698—	CAT1162WI-42	SOIC-8	4.2	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1162LI-42	PDIP-8	4.2	2.5 to 6.0	-40 to +85	.76	.61	.57	.53
◆ 698—	CAT1162WI-45	SOIC-8	4.5	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1162LI-45	PDIP-8	4.5	2.5 to 6.0	-40 to +85	.76	.61	.57	.53
uP Supervisory Circuits and 16K-bit I^2C Serial EEPROM Memory, Write Protect, Watchdog Timer (WDI Input)									
◆ 698—	CAT1163WI-25	SOIC-8	2.5	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1163LI-25	PDIP-8	2.5	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
◆ 698—	CAT1163WI-28	SOIC-8	2.8	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1163LI-28	PDIP-8	2.8	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
◆ 698—	CAT1163WI-30	SOIC-8	3.0	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1163LI-30	PDIP-8	3.0	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
◆ 698—	CAT1163WI-42	SOIC-8	4.2	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
698—	CAT1163LI-42	PDIP-8	4.2	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
◆ 698—	CAT1163LI-45	PDIP-8	4.5	2.5 to 6.0	-40 to +85	.78	.62	.59	.55
uP Supervisory Circuits and 32K-bit I^2C Serial EEPROM Memory, Manual Reset									
◆ 698—	CAT1320WI-28	SOIC-8	2.8	2.5 to 6.0	-40 to +85	.90	.72	.68	.63
◆ 698—	CAT1320WI-42	SOIC-8	4.2	2.5 to 6.0	-40 to +85	.90	.72	.68	.63
uP Supervisory Circuits and 64K-bit I^2C Serial EEPROM Memory, Manual Reset									
◆ 698—	CAT1640WI-28	SOIC-8	2.8	2.5 to 6.0	-40 to +85	1.00	.80	.75	.70
◆ 698—	CAT1640WI-42	SOIC-8	4.2	2.5 to 6.0	-40 to +85	1.00	.80	.75	.70
uP Supervisory Circuits and 64K-bit I^2C Serial EEPROM Memory									
◆ 698—	CAT1641WI-28	SOIC-8	2.8	2.5 to 6.0	-40 to +85	1.00	.80	.75	.70
◆ 698—	CAT1641WI-42	SOIC-8	4.2	2.5 to 6.0	-40 to +85	1.00	.80	.75	.70

CATALYST μP SUPERVISORS WITHOUT EEPROM MEMORY

CAT809 and CAT810 Features:

- Direct replacements for the MAX809 and MAX810 in applications operating over the industrial temperature range.
- 6μA power supply current
- Power supply transient immunity

CAT811 and CAT812 Features:

- Direct replacements for the MAX811 and MAX812 in applications operating over the industrial temperature range.
- 6μA power supply current
- Power supply transient immunity

CAT1232LP and CAT1832 Features:

- Selectable reset voltage tolerance
  - -CAT1232LP for 5V supply
  - -Cat1832 for 3.3V supply
- Selectable watchdog period: 150ms, 600ms or 1.2 seconds
- Debounced manual push-button reset

◆ Surface Mount Device

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Nominal Threshold (V)	Watchdog Timer	Manual Reset	Output Polarity	Price Each			
Mfr.	Mfr. Part No.						1	25	100	250
◆ 698—	CAT809ZTBI-T	SOT-23	2.32	No	No	Push-Pull, Active LOW	.24	.19	.18	.17
◆ 698—	CAT1832V	SOIC-8	2.55/2.88	Yes	Yes	Push-Pull, Active LOW/HIGH	.70	.56	.53	.49
◆ 698—	CAT810RTBI-T	SOT-23	2.63	No	No	Push-Pull, Active HIGH	.24	.19	.18	.17
◆ 698—	CAT809RTBI-T	SOT-23	2.63	No	No	Push-Pull, Active LOW	.24	.19	.18	.17
◆ 698—	CAT812RTBI-T	SOT-143	2.63	No	Yes	Push-Pull, Active HIGH	.30	.24	.23	.21
◆ 698—	CAT811RTBI-T	SOT-143	2.63	No	Yes	Push-Pull, Active LOW	.30	.24	.23	.21
◆ 698—	CAT810STBI-T	SOT-23	2.93	No	No	Push-Pull, Active HIGH	.24	.19	.18	.17
◆ 698—	CAT809STBI-T	SOT-23	2.93	No	No	Push-Pull, Active LOW	.24	.19	.18	.17
◆ 698—	CAT809SSDI-T	SC-70	2.93	No	No	Push-Pull, Active LOW	.26	.21	.20	.18
◆ 698—	CAT812STBI-T	SOT-143	2.93	No	Yes	Push-Pull, Active HIGH	.30	.24	.23	.21
◆ 698—	CAT811STBI-T	SOT-143	2.93	No	Yes	Push-Pull, Active LOW	.30	.24	.23	.21
◆ 698—	CAT810RTBI-T	SOT-23	3.08	No	No	Push-Pull, Active HIGH	.24	.19	.18	.17
◆ 698—	CAT809TTBI-T	SOT-23	3.08	No	No	Push-Pull, Active LOW	.24	.19	.18	.17
◆ 698—	CAT809JTBI-T	SOT-23	4.00	No	No	Push-Pull, Active LOW	.24	.19	.18	.17
◆ 698—	CAT811JTBI-T	SOT-143	4.00	No	Yes	Push-Pull, Active LOW	.30	.24	.23	.21
◆ 698—	CAT810MTBI-T	SOT-23	4.38	No	No	Push-Pull, Active HIGH	.24	.19	.18	.17
◆ 698—	CAT809MTBI-T	SOT-23	4.38	No	No	Push-Pull, Active LOW	.24	.19	.18	.17
◆ 698—	CAT811MTBI-T	SOT-143	4.38	No	Yes	Push-Pull, Active LOW	.30	.24	.23	.21
698—	CAT1232LPL	DIP-8	4.37/4.62	Yes	Yes	Push-Pull, Active LOW/HIGH	.70	.56	.53	.49
◆ 698—	CAT1232LPV	SOIC-8	4.37/4.62	Yes	Yes	Push-Pull, Active LOW/HIGH	.70	.56	.53	.49
◆ 698—	CAT810LTBI-T	SOT-23	4.63	No	No	Push-Pull, Active HIGH	.24	.19	.18	.17
◆ 698—	CAT809LTBI-T	SOT-23	4.63	No	No	Push-Pull, Active LOW	.24	.19	.18	.17
◆ 698—	CAT811LTBI-T	SOT-143	4.63	No	Yes	Push-Pull, Active LOW	.30	.24	.23	.21

CATALYST CAT660 DC-DC CONVERTERS

Features:

- 100mA output current
- 8-lead SO and DIP
- Charge pump: no inductor required
- Selectable frequency: 10kHz/80kHz
- Replaces Maxim Max660
- Replaces Linear Technology LTC 660
- New Thin TDFN package (4x4mm): 0.8mm maximum height

◆ Surface Mount Device

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Supply Voltage (V)	Temperature Range (°C)	Supply Current (ma) (typ)	Output Current (mA) (min)	Oscillation Freq. (kHz) (typ)	Power Efficiency (%)	Voltage Conversion Eff. % (typ)	Price Each			
Mfr.	Mfr. Part No.									1	25	100	250
698—	CAT660ELA	PDIP-8	1.5 to 5.5	-40 to +85	1	100	10 - 80	88 - 98	99.9	2.00	1.60	1.50	1.40
◆ 698—	CAT660EVA	SOIC-8	1.5 to 5.5	-40 to +85	1	100	10 - 80	88 - 98	99.9	1.60	1.28	1.20	1.12
◆ 698—	CAT660EZD8	TDFN-8	1.5 to 5.5	-40 to +85	1	100	10 - 80	88 - 98	99.9	1.70	1.36	1.28	1.19

FAIRCHILD Interface

Products may be RoHS compliant.
Check mouser.com for RoHS status.

COMPARATORS

◆ **Surface Mount Device** For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Supply Voltage (V)	Voltage Gain Typ. V/mV	Supply Current typ. (mA)	Input Offset Voltage max (mV)	Input Offset Current Max.	Input Bias Current Max.	Response Time	Price Each 1	25	100	250
512-LM3302N	LM3302N	DIP-14	14 - 28	30	2	20	100	250	1400	.36	.30	.28	.25
512-KA2903	KA2903	DIP-8	18 - 36	100	0.6	7	50	250	1500	.41	.36	.30	.21
512-LM2901MX	LM2901MX	SOP-14	18 - 36	100	2	7	50	250	1400	.34	.29	.25	.24
◆512-LM2901N	LM2901N	DIP-14	18 - 36	100	2	7	50	250	1400	.35	.29	.26	.20
512-LM2903IMX	LM2903IMX	SOIC-8	18 - 36	100	0.6	7	50	250	1500	.31	.26	.22	.21
◆512-LM2903MX	LM2903MX	SOIC-8	18 - 36	100	0.6	7	50	250	1500	.27	.23	.20	.19
◆512-LM2903N	LM2903N	DIP-8	18 - 36	100	0.6	7	50	250	1500	.28	.23	.20	.19
512-KA339	KA339	DIP-14	18 - 36	200	1.1	5	50	250	1400	.43	.38	.31	.23
512-KA339A	KA339A	DIP-14	18 - 36	200	1.1	2	50	250	1400	.40	.35	.29	.21
512-KA393	KA393	DIP-8	18 - 36	200	0.6	5	50	250	1400	.34	.29	.24	.18
512-KA393A	KA393A	DIP-8	18 - 36	200	0.6	5	50	250	1400	.41	.36	.30	.21
512-KA393ADTF	KA393ADTF	SOIC-8	18 - 36	200	0.6	5	50	250	1400	.41	.36	.30	.21
◆512-LM239AMX	LM239AMX	SOP-14	18 - 36	200	1.1	2	50	250	1400	.35	.29	.26	.24
◆512-LM339AM	LM339AM	SOP-14	18 - 36	200	2	5	50	250	1400	.34	.29	.25	.24
◆512-LM339AN	LM339AN	DIP-14	18 - 36	200	2	5	50	250	1400	.35	.29	.26	.19
512-LM339MX	LM339MX	SOP-14	18 - 36	200	2	5	50	250	1400	.31	.26	.22	.21
◆512-LM339N	LM339N	DIP-14	18 - 36	200	2	5	50	250	1400	.32	.27	.24	.19
512-LM393AN	LM393AN	DIP-8	18 - 36	200	0.6	5	50	250	1400	.28	.23	.20	.19
512-LM393MX	LM393MX	SOIC-8	18 - 36	200	0.6	5	50	250	1400	.23	.20	.17	.16
◆512-LM393N	LM393N	DIP-8	18 - 36	200	0.6	5	50	250	1400	.24	.20	.17	.16
512-KA319	KA319	DIP-14	36	40	3.6	8	200	1000	80	.53	.46	.38	.28
512-LM319MX	LM319MX	SOP-14	36	40	3.6	8	200	1000	80	.34	.29	.25	.23
◆512-LM319N	LM319N	DIP-14	36	40	3.6	8	200	1000	80	.43	.36	.32	.30
512-KA311	KA311	DIP-8	36	200	3	7.5	50	250	200	.43	.38	.31	.23
512-LM311N	LM311N	DIP-8	36	200	3	7.5	50	250	200	.32	.27	.24	.19

LVDS ANALOG INTERFACE

◆ **Surface Mount Device** For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Function	No. of Bits	Max. Speed (Mbps)	Supply Voltage	Price Each 1	25	100	250
◆512-FIN1002M5X	FIN1002M5X	SOT-23	Receiver	1	400.0	3.3	.69	.58	.51	.48
◆512-FIN1018K8X	FIN1018K8X	US-8	Receiver	1	400.0	3.3	1.38	1.15	.92	.90
◆512-FIN1018M	FIN1018M	SOIC-8	Receiver	1	400.0	3.3	1.32	1.10	.88	.79
◆512-FIN1019M	FIN1019M	SOIC-14	Transceiver	1+1	400.0	3.3	1.56	1.30	1.14	1.09
◆512-FIN1019MTCX	FIN1019MTCX	TSSOP-14	Transceiver	1+1	400.0	3.3	1.56	1.30	1.14	1.09
◆512-FIN1022M	FIN1022M	SOIC-16	Crosspoint Switch	2x2	800.0	3.3	7.50	6.25	5.50	5.25
◆512-FIN1026MTC	FIN1026MTC	TSSOP-14	Receiver	2	400.0	3.3	1.98	1.65	1.45	1.39
◆512-FIN1027AMX	FIN1027AMX	SOIC-8	Line Driver	2	600.0	3.3	1.33	1.06	.80	.76
◆512-FIN1027K8X	FIN1027K8X	US8-8	Line Driver	2	600.0	3.3	1.41	1.17	.94	.90
◆512-FIN1027MX	FIN1027MX	SOIC-8	Line Driver	2	600.0	3.3	1.59	1.33	1.17	1.11
◆512-FIN1028MX	FIN1028MX	SOIC-8	Receiver	2	400.0	3.3	1.18	.94	.71	.68
◆512-FIN1031MTC	FIN1031MTC	TSSOP-16	Line Driver	4	400.0	3.3	2.34	1.95	1.72	1.64
◆512-FIN1031MX	FIN1031MX	SOIC-16	Line Driver	4	400.0	3.3	1.80	1.44	1.08	1.01
◆512-FIN1032MTC	FIN1032MTC	TSSOP-16	Receiver	4	400.0	3.3	2.34	1.95	1.72	1.64
◆512-FIN1032MX	FIN1032MX	SOIC-16	Receiver	4	400.0	3.3	1.80	1.44	1.08	1.01
◆512-FIN1047MTCX	FIN1047MTCX	TSSOP-16	Line Driver	4	400.0	3.3	2.34	1.95	1.72	1.64
◆512-FIN1048M	FIN1048M	SOIC-16	Receiver	4	400.0	3.3	2.52	2.10	1.85	1.76
◆512-FIN1048MTCX	FIN1048MTCX	TSSOP-16	Receiver	4	400.0	3.3	2.52	2.10	1.85	1.76
◆512-FIN1049MTCX	FIN1049MTCX	TSSOP-16	Transceiver	2+2	400.0	3.3	1.88	1.50	1.12	1.05
◆512-FIN1101K8X	FIN1101K8X	US-8	Repeater	1	1600.0	3.3	1.43	1.14	.86	.80
◆512-FIN1101M	FIN1101M	SOIC-8	Repeater	1	1600.0	3.3	1.65	1.38	1.10	.99
◆512-FIN1102MTC	FIN1102MTC	TSSOP-14	Repeater	2	1600.0	3.3	3.06	2.55	2.24	2.14
◆512-FIN1104MTC	FIN1104MTC	TSSOP-24	Repeater	4	1600.0	3.3	4.21	3.36	2.61	2.48
◆512-FIN1104MTCX	FIN1104MTCX	TSSOP-24	Repeater	4	1600.0	3.3	4.21	3.36	2.61	2.58
◆512-FIN1108MTD	FIN1108MTD	TSSOP-48	Repeater	8	1800.0	3.3	4.39	3.51	2.73	2.59
◆512-FIN1215MTDX	FIN1215MTDX	TSSOP-48	Serializer	21:3	462.0	3.3	4.46	3.56	2.77	2.70
◆512-FIN1217MTDX	FIN1217MTDX	TSSOP-48	Serializer	21:3	595.0	3.3	5.64	4.51	3.80	3.70
◆512-FIN1531MTC	FIN1531MTC	TSSOP-16	Line Driver	4	400.0	5.0	2.85	2.38	2.09	2.00
◆512-FIN1531MX	FIN1531MX	SOIC-16	Line Driver	4	400.0	5.0	2.10	1.68	1.26	1.24
◆512-FIN1532M	FIN1532M	SOIC-16	Receiver	4	400.0	5.0	2.85	2.38	2.09	2.00
◆512-FIN3385MTDX	FIN3385MTDX	TSSOP-48	Serializer	28:4	595.0	3.3	3.26	2.61	2.03	1.98

ANALOG SWITCHES

◆ **Surface Mount Device** For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Configuration	No. of Switches	On Resistance (Ω)	Vcc	Bandwidth (MHz)	C_{on} (pf)	Price Each 1	25	100
◆512-FSA1156L6X	FSA1156L6X	MicroPak-6	1x SPST(NO)	1	9	1.65V-5.5V	350	65	.57	.52	.39
◆512-FSA1156P6X	FSA1156P6X	SC70-6	1x SPST(NO)	1	9	1.65V-5.5V	350	65	.57	.52	.43
◆512-FSA1157L6X	FSA1157L6X	MicroPak-6	1x SPST(NC)	1	0.75	1.65V-5.5V	350	65	.57	.52	.43
◆512-FSA1157P6X	FSA1157P6X	SC70-6	1x SPST(NC)	1	0.75	1.65V-5.5V	350	65	.57	.52	.43
◆512-FSA1256L8X	FSA1256L8X	MicroPak-8	2x SPST(NO)	2	0.95	1.65V-5.5V	300	27	.90	.83	.75
◆512-FSA1257AL8X	FSA1257AL8X	MicroPak-8	2x SPST(NC)	2	0.95	1.65V-5.5V	300	27	.90	.83	.75
◆512-FSA1257L8X	FSA1257L8X	MicroPak-8	2x SPST(NC)	2	0.95	1.65V-5.5V	300	27	.90	.75	.60
◆512-FSA2257L10X	FSA2257L10X	MicroPak-10	2x SPDT	2	0.95	1.65V-5.5V	350	40	.99	.83	.66
◆512-FSA2267L10X	FSA2267L10X	MicroPak-10	2x SPDT	2	0.35	1.65V-3.6V	45	126	1.02	.85	.75
◆512-FSA266K8X	FSA266K8X	US8-8	2x SPST(NO)	2	6	1.65V-5.5V	300	10	.72	.66	.60
◆512-FSA266L8X	FSA266L8X	MicroPak-8	2x SPST(NO)	2	6	1.65V-5.5V	300	10	.69	.63	.58
◆512-FSA3157P6X	FSA3157P6X	SC70-6	1x SPDT	1	5	1.65V-5.5V	250	19	.48	.46	.43
◆512-FSA3357K8X	FSA3357K8X	US8-8	1x SP3T (NO/NC)	1	5	1.65V-5.5V	250	14.5	.99	.83	.66
◆512-FSA4157AL6X	FSA4157AL6X	MicroPak-6	1x SPDT	1	0.95	1.65V-5.5V	350	40	.63	.54	.41
◆512-FSA4157P6X	FSA4157P6X	SC70-6	1x SPDT	1	0.95	1.65V-5.5V	350	40	.45	.41	.34
◆512-FSAL200QSCX	FSAL200QSCX	QSOP-16	Quad 2:1 LAN Switch	2	6	-5-7.0V	300	15	1.20	1.00	.80
◆512-FSAU3157P6X	FSAU3157P6X	SC70-6	1x SPDT	1	5	3.0V-5.5V	250	15	.60	.55	.50
◆512-FSAV330MTCX	FSAV330MTCX	TSSOP-16	4 CH (2:1) Video	-	7	4.0V-5.5V	300	12	.84	.77	.70
◆512-FSAV331QSCX	FSAV331QSCX	QSOP-16	2 CH (4:1) Video	-	7	4.75V-5.25V	296	39	.99	.83	.66
◆512-FSAV430QSCX	FSAV430QSCX	QSOP-16	4 CH (SPST) Video	-	7	4.75V-5.25V	368	30	1.63	1.30	.98
◆512-FSAV450BQX	FSAV450BQX	DQFN-16	4 CH (2:1) Video	-	4	3.0V-6.0V	1000	12	1.71	1.57	1.43
◆512-FSAV450MTCX	FSAV450MTCX	TSSOP-16	4 CH (2:1) Video	-	4	4.0V-5.5V	750	8	1.71	1.57	1.43
◆512-FSUSB11L10X	FSUSB11L10X	MicroPak-10	1x (SPDT) USB, FS	1	1	1.65V-5.5V	350	40	1.23	1.02	.82
◆512-FSUSB11MTCX	FSUSB11MTCX	TSSOP-16	1x (SPDT) USB, FS	1	1	1.65V-5.5V	350	40	1.23	1.13	1.03
◆512-FSUSB20BQX	FSUSB20BQX	DQFN-16	1x (DPDT) USB, HS	1	5	3.0V-3.6V	800	12	1.71	1.57	1.43
◆512-FSUSB20L10X	FSUSB20L10X	MicroPak-10	1x (DPDT) USB, HS	1	5	3.0V-3.6V	800	12	1.71	1.57	1.43
◆512-FSUSB22BQX	FSUSB22BQX	DQFN-16	2x (4PDT) USB, HS	2	5	3.0V-6.0V	750	12	1.93	1.54	1.15
◆512-FSUSB22MTCX	FSUSB22MTCX	TSSOP-16	2x (4PDT) USB, HS	2	5	3.0V-6.0V	750	12	2.31	2.12	1.93
◆512-FSUSB23L10X	FSUSB23L10X	MicroPak-10	1x (DPDT) USB, HS	1	5	3.0V-3.6V	800	9	2.40	2.20	2.00
◆512-FSUSB30BQX	FSUSB30BQX	DQFN-16	1x (DPDT) USB, HS	1	6.5	3.0V-4.3V	720	5	1.80	1.65	1.50
◆512-FSUSB31K8X	FSUSB31K8X	US8-8	1x (DPST) USB, HS	1	6.5	3.0V-4.3V	720	5	1.70	1.36	1.02
◆512-FSUSB31L8X	FSUSB31L8X	MicroPak-8	1x (DPST) USB, HS	1	6.5	3.0V-4.3V	720	5	1.40	1.12	.84
◆512-NC7SB3157L6X	NC7SB3157L6X	MicroPak-6	1x SPDT (NO)	1	6	1.65V-5.5V	250	19	.46	.39	.33
◆512-NC7SB3157P6X	NC7SB3157P6X	SC70-6	1x SPDT (NO)	1	6	1.65V-5.5V	250	19	.28	.24	.20
◆512-NC7SBU3157P6X	NC7SBU3157P6X	SC70-6	1x SPDT (NO)	1	6	1.65V-5.5V	250	19	.61	.53	.44
◆512-NC7SZ66L6X	NC7SZ66L6X	MicroPak-6	1x SPST (NO)	1	5	1.65V-5.5V	-	6	.42	.36	.30
◆512-NC7SZ66M5X	NC7SZ66M5X	SOT-23-5	1x SPST (NO)	1	5	1.65V-5.5V	-	6	.21	.18	.15
◆512-NC7SZ66P5X	NC7SZ66P5X	SC70-5	1x SPST (NO)	1	5	1.65V-5.5V	-	6	.21	.18	.15
◆512-NC7WB66K8X	NC7WB66K8X	US8-8	2x SPST (NO)	2	6	1.65V-5.5V	300	10	.36	.30	.26
◆512-NC7WB66L8X	NC7WB66L8X	MicroPak-8	2x SPST (NO)	2	6	1.65V-5.5V	300	10	.46	.39	.33

Interface

Products may be RoHS compliant.
Check mouser.com for RoHS status.

USB DEVICES

RoHS Compliant

◆ **Surface Mount Device**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Vcc (V)	Speed (Mbps)	EDS (kV)	Input Characteristics	Price Each			
							1	25	100	250
512-USB1T11ABQX	USB1T1105AMHX	MHBCC-16	3.3	12	15	USB2.0 Transceiver with Voltage Regulator	.90	.78	.69	.63
◆512-USB1T11AMX	USB1T11AMX	SOIC-14	3.3	1.5/12	9.5	USB1.1 Transceiver	.75	.63	.50	.47
◆512-USB1T11AMTCX	USB1T11AMTCX	TSSOP-14	3.3	1.5/12	9.5	USB1.1 Transceiver	.75	.63	.50	.47
◆512-USB1T20MTCX	USB1T20MTCX	TSSOP-14	3.3	1.5/12	9.5	USB2.0 Transceiver	.90	.78	.69	.63
◆512-USB1T1102MHX	USB1T1102MHX	MHBCC-14	5.0	12	15	USB2.0 Transceiver with Voltage Regulator	1.08	.94	.83	.76

ANALOG TIMERS

◆ **Surface Mount Device**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Supply Voltage		Control Voltage at Vcc 5V		Threshold Voltage at Vcc 5V		Trigger Voltage at Vcc 5V		Operating Temperature (°C)	Price Each		
			(Max) (V)	(Min) (V)	(Max) (V)	(Min) (V)	(Max) (V)	(Min) (V)	(Max) (V)	(Min) (V)		1	25	100
SPST - Normally Closed														
512-KA555	KA555	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.41	.36	.30
◆512-KA555D	KA555D	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.40	.35	.29
◆512-LM555CM	LM555CM	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.24	.20	.18
512-LM555CN	LM555CN	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.25	.21	.18
◆512-NE555D	NE555D	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.34	.29	.24
512-NE555N	NE555N	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	0 ~ +70	.34	.29	.24
512-KA555I	KA555I	DIP-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	-40 ~ +85	.41	.36	.30
◆512-KA555ID	KA555ID	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	-40 ~ +85	.43	.38	.31
Dual														
512-KA556	KA556	DIP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	.53	.46	.38
◆512-KA556D	KA556D	SOP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	1.02	.85	.61
◆512-LM556CM	LM556CM	SOP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	.40	.33	.29
512-LM556CN	LM556CN	DIP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	0 ~ +70	.43	.36	.27
512-KA556I	KA556I	DIP-14	16	4.5	4	2.6	4.2	2.4	2.2	1.1	-40 ~ +85	.58	.50	.42
Quad														
◆512-SA555D	SA555D	SOIC-8	16	4.5	4	2.6	3.3	3.3	2.2	1.1	-40 ~ +85	.41	.38	.27

TEMPERATURE SENSORS

RoHS Compliant

◆ **Surface Mount Device**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Slope (Sensor Gain)	Supply Curr. (Max) (uA)	Supply Voltage		Accuracy (+/- Celsius)	User Configurable Resolution (Bits)	Price Each			
					(Max) (V)	(Min) (V)			1	25	100	250
◆512-FM50S3X	FM50S3X	SOT-23	10 mV/deg	130	6	2.4	3	-	.84	.70	.62	.59
◆512-FM20S3X	FM20S3X	SOT-23	-12 mV/deg	12	6	2.4	3	-	.96	.80	.70	.67
◆512-FM75M8	FM75M8	SOIC-8	-	150	5.5	2.7	3	9, 10, 11, 12	1.74	1.45	1.28	1.22
◆512-FM75MM8	FM75MM8	MSOP-8	-	150	5.5	2.7	3	9, 10, 11, 12	2.77	2.31	1.65	1.32

Quickfilter™
Technologies

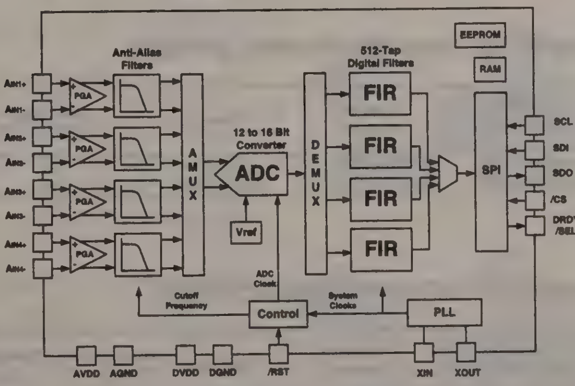
PROGRAMMABLE SIGNAL CONVERTER

Includes Precision Filtering For Sensors

The QF4A512 Programmable Signal Converter is a 4-channel, signal conditioner and signal converter. Each channel can be individually programmed for the gain, anti-aliasing filter cutoff frequency, A-to-D sampling frequency, and unique filter requirements. This is accomplished with 4 separate high-precision 512-tap FIR filters. Quickfilter software has been created for rapid device configuration and filter design at performance levels unattainable with analog components.

Features:

- 4 Channel Analog Differential or Single Ended Inputs
- 4 Programmable (1x, 2x, 4x, 8x) Gain Amplifiers
- Anti-Aliasing Filter Per Channel, 3rd Order Bessel
- 16-bit Programmable A/D Converter
- 16-bit resolution at 1.17Msps
- Internal Precision Voltage Reference
- 4 Individual Programmable 512-tap Digital FIR Filters
- 3 Wire SPI Port Interface
- 3.3V Digital I/O, 5 Volt Tolerant
- 4K Byte EEPROM for filter coefficient, chip configuration and calibration.
- 256 bytes of EEPROM User Data Space
- 384 Bit Masks for IEEE 1451.4 TEDS on 4 Channels
- 3.3V & 1.8V Supplies
- Industrial Temp -40°C to +85°C
- 32-Pin LQFP Package



Functional Block Diagram

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Quickfilter Part No.	Description	Price Each
865-QF4A512ALQ-T	QF4A512ALQ	LQFP-32 Programmable Signal Converter	19.87
865-QF1D512-QN-T	QF1D512QN-T	Single Channel Digital Filer	7.73
865-QF4A512-DK	QF4A512-DK	Development Kit	199.00

FREESCALE Analog and Mixed Signal ICs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FREESCALE H-BRIDGES AND CONFIGURABLE SWITCHES

Freescale's H-Bridge and Configurable switches are a selection of devices that provide Half Bridge, Full H-Bridge and configurable High and Low side switch capabilities. The devices are designed to service automotive as well as consumer/battery power loads. SMARTMOS™ technology provides the low RDSON MOSFET switches and control logic.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Load Supply Voltage (V)	Supply Voltage (V)	Power Output Load Current (A)	Power Output Channels	Drain-to-Source On Resistance Typ (Ω)	Current Limit per Output Min. (A)	Interface Control	Price Each			
										1	25	50	100
841-MC33886VW	MC33886VW	HSOP 20	0 to 30	5 to 30	3	2	-	-	Parallel	4.64	3.87	3.65	3.43
841-MC33887PNB	MC33887PNB	PWR QFN 36	0 to 30	5 to 30	3	2	0.24	5.2	Parallel	4.60	4.03	3.80	3.57
841-MC33887VW	MC33887VW	HSOP 20	0 to 30	5 to 30	3	2	0.24	5.2	Parallel	4.82	4.22	3.98	3.74
841-MC34920EI	MC34920EI	PLCC 44	21 to 42	3.3 to 5	-	-	-	-	SPI,Parallel	7.72	6.37	5.98	5.79
841-MC34921AE	MC34921AE	LQFP 64	0 to 38	4.8 to 5.2	3	4	-	-	SPI	6.54	5.72	5.40	5.07
841-MC34923EG	MC34923EG	SOIC 24W	20 to 45	2.9 to 5.5	2	1	0.3	8	SPI,Parallel	5.68	4.97	4.69	4.26
841-MC34929EP	MC34929EP	QFN 24 EP	8 to 28	8 to 28	1	3	0.25	1.5	Parallel	2.75	2.14	2.01	1.89
841-MPC17510EJ	MPC17510EJ	TSSOP 24	0 to 15	2 to 15	3	1	-	-	Parallel	3.13	2.43	2.29	2.15
841-MPC17511AEP	MPC17511AEP	QFN 24	0 to 6.8	2 to 6.8	3	1	-	-	Parallel	1.17	.91	.83	.78
841-MPC17511AEV	MPC17511AEV	S MFP16	0 to 6.8	2 to 6.8	3	1	-	-	Parallel	1.40	1.09	1.02	.96
841-MPC17511AEVEL	MPC17511AEVEL	S MFP16	0 to 6.8	2 to 6.8	3	1	-	-	Parallel	1.40	1.09	1.02	.96
841-MPC17529EV	MPC17529EV	S MFP 20	0 to 11	0 to 5	0.7	2	-	-	Parallel	1.46	1.14	1.07	1.01
841-MPC17529EVEL	MPC17529EVEL	S MFP20	0 to 11	0 to 5.5	0.7	2	-	-	Parallel	1.46	1.14	1.07	.98
841-MPC17531AEV	MPC17531AEV	S MFP20	0 to 6.8	2 to 6.8	0.7	2	-	-	Parallel	1.60	1.24	1.17	1.10
841-MPC17531AEVEL	MPC17531AEVEL	S MFP20	0 to 11	2 to 6.8	0.7	2	-	-	Parallel	1.60	1.24	1.17	1.07
841-MPC17533EV	MPC17533EV	S MFP16	0 to 6.8	2 to 6.8	0.7	2	-	-	Parallel	1.49	1.16	1.09	1.02
841-MPC17533EVEL	MPC17533EVEL	S MFP16	0 to 6.8	2 to 6.8	0.7	2	-	-	Parallel	1.49	1.16	1.09	1.02
841-MPC17C724EP	MPC17C724EP	QFN 16	2.7 to 5.5	2.7 to 5.5	0.4	2	-	-	Parallel	.92	.72	.68	.64
841-MC33879EK	MC33879EK	SOIC 32	0 to 26.5	5.5 to 26.5	0.35	8	0.75	1.2	SPI,Parallel	4.49	3.75	3.53	3.32

FREESCALE HIGH-SIDE SWITCHES

These SMARTMOS™ devices provide one or more channels of low RDSON open source MOSFET output switches. Load and IC protection is provided for parameters such as over current, over temperature and over/under voltage. The low RDSON MOSFET(s) control high side switching for resistive and inductive loads.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Load Supply Voltage Max. (V)	Supply Voltage (V)	Power Output Load Current (A)	Power Output Channels	Drain-to-Source On Resistance Typ (Ω)	Current Limit per Output Min. (A)	Interface Control	Price Each			
										1	25	50	100
841-MC33981BPNA	MC33981BPNA	PWR QFN 12	27	4.5 to 27	30	1	0.004	100	Parallel	4.86	4.25	4.01	3.77
841-MC33982BPNA	MC33982BPNA	PWR QFN 12	27	6 to 27	-	-	-	-	SPI,Parallel	5.54	4.85	4.57	4.29
841-MC33984BPNA	MC33984BPNA	PWR QFN 12	27	6 to 27	-	-	-	-	SPI,Parallel	6.64	5.48	5.15	4.98

FREESCALE LOW-SIDE SWITCHES

These devices provide load control switching to ground (low side) for resistive and inductive loads. Each of the devices provide multiple channels of open–drain MOSFET output switching using SMARTMOS™ technology for low RDSON and low power dissipation. Load and IC protection is provided for parameters such as over current, over temperature and over/under voltage.

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Load Supply Voltage Max. (V)	Supply Voltage (V)	Power Output Load Current (A)	Power Output Channels	Drain-to-Source On Resistance Typ (Ω)	Current Limit per Output Min. (A)	Interface Control	Price Each			
										1	25	50	100
841-MC33882VW	MC33882VW	HSOP 30	0 to 52	8 to 25	0.05 to 2	6	0.4 to 0.6	0.05 to 3	SPI, Parallel	5.80	5.08	4.79	4.50
841-MC33996EK	MC33996EK	SOIC 32	40	5 to 27	0.35	16	0.55	1.2	Serial	4.92	3.94	3.81	3.69
841-MC33999EK	MC33999EK	SOIC 54	40	5 to 27	0.35	16	0.55	1.2	Serial,Parallel	6.00	5.25	4.95	4.65

FREESCALE H-BRIDGE STEPPER MOTORS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Load Supply Voltage Max. (V)	Supply Voltage (V)	Power Output Channels	Interface Control	Price Each			
							1	25	50	100
841-MCZ33970EG	MCZ33970EG	SOIC 24W	26	4.5 to 5.5	4	SPI	2.99	2.33	2.19	2.06
841-MCZ33976EG	MCZ33976EG	SOIC 24W	26	4.5 to 5.5	4	SPI	3.29	2.56	2.41	2.26

FREESCALE NETWORK TRANSCEIVERS

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Communication Protocol	Data Rate (kbps)	Diagnostics	Interface and Input Control	Supply Voltage (V)	Power Management Configuration	Price Each			
									1	25	50	100
841-MCZ33689DEW	MCZ33689DEW	SOIC 32	LIN	1 to 20	SPI	SPI	5.5 to 27	Linear Regulators	2.86	2.31	2.18	2.04
841-MCZ33742EG	MCZ33742EG	SOIC 28W	CAN	60 to 1000	SPI	SPI	5.5 to 27	Linear Regulators	3.23	2.62	2.46	2.31
841-MCZ33793EF	MCZ33793EF	SOIC 16	DSI	5 to 150	Bus	Parallel	5.5 to 30	-	2.37	1.92	1.81	1.70

TAIWAN SEMICONDUCTOR Analog ICs

RoHS Compliant This page of product is compliant.

TAIWAN SEMICONDUCTOR VOLTAGE REGULATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (V)	Accuracy	Max. Input Voltage (V)	Price Each			
								1	25	100	250
821-TS317LCT	TS317LCT	TO-92	Adjustable	0.1	2	4%	40	.28	.26	.24	.20
821-TS317LCS	TS317LCS	SOP-8	Adjustable	0.1	2	4%	40	.46	.42	.39	.33
821-TS317CZ	TS317CZ	TO-220	Adjustable	1.5	2	4%	40	.60	.55	.51	.43
821-TS317CW	TS317CW	SOT-223	Adjustable	1.5	2	4%	40	.56	.52	.48	.40
821-TS317CP	TS317CP	TO-252 Dpak	Adjustable	1.5	2	4%	40	.42	.39	.36	.30
821-TS317CM	TS317CM	TO-263 D2Pak	Adjustable	1.5	2	4%	40	.60	.55	.51	.43
821-TS78M24CZ	TS78M24CZ	TO-220	24	0.5	2	4%	40	.35	.33	.30	.25
821-TS78M24CP	TS78M24CP	TO-252 Dpak	24	0.5	2	4%	40	.35	.33	.30	.25
821-TS7824CZ	TS7824CZ	TO-220	24	1.0	2	4%	40	.35	.33	.30	.25
821-TS7824CI	TS7824CI	ITO-220	24	1.0	2	4%	40	.49	.46	.42	.35
821-TS78L18CS	TS78L18CS	SOP-8	18	0.1	2	4%	30	.26	.24	.23	.19
821-TS7818CZ	TS7818CZ	TO-220	18	1.0	2	4%	35	.35	.33	.30	.25
821-TS78L15CT	TS78L15CT	TO-92	15	0.1	2	4%	30	.18	.16	.15	.13
821-TS78M15CP	TS78M15CP	TO-252 Dpak	15	0.5	2	4%	35	.35	.33	.30	.25
821-TS7815CZ	TS7815CZ	TO-220	15	1.0	2	4%	35	.35	.33	.30	.25
821-TS7815CI	TS7815CI	ITO-220	15	1.0	2	4%	35	.49	.46	.42	.35
821-TS78L12CT	TS78L12CT	TO-92	12	0.1	2	4%	30	.18	.16	.15	.13
821-TS78M12CP	TS78M12CP	TO-252 Dpak	12	0.5	2	4%	35	.35	.33	.30	.25
821-TS7812CZ	TS7812CZ	TO-220	12	1.0	2	4%	35	.35	.33	.30	.25
821-TS7812CI	TS7812CI	ITO-220	12	1.0	2	4%	35	.49	.46	.42	.35
821-TS7810CZ	TS7810CZ	TO-220	10	1.0	2	4%	35	.35	.33	.30	.25
821-TS7810CI	TS7810CI	ITO-220	10	1.0	2	4%	35	.49	.46	.42	.35
821-TS78L09CY	TS78L09CY	SOT-89	9	0.1	2	4%	30	.28	.26	.24	.20
821-TS78M09CP	TS78M09CP	TO-252 Dpak	9	0.5	2	4%	35	.35	.33	.30	.25
821-TS7809CZ	TS7809CZ	TO-220	9	1.0	2	4%	35	.35	.33	.30	.25
821-TS78L08CS	TS78L08CS	SOP-8	8	0.1	2	4%	30	.26	.24	.23	.19
821-TS78M08CP	TS78M08CP	TO-252 Dpak	8	0.5	2	4%	35	.35	.33	.30	.25
821-TS7808CZ	TS7808CZ	TO-220	8	1.0	2	4%	35	.35	.33	.30	.25
821-TS7808CI	TS7808CI	ITO-220	8	1.0	2	4%	35	.49	.46	.42	.35
821-TS7806CZ	TS7806CZ	TO-220	6	1.0	2	4%	35	.35	.33	.30	.25
821-TS78L05CY	TS78L05CY	SOT-89	5	0.1	2	4%	30	.28	.26	.24	.20
821-TS78L05CT	TS78L05CT	TO-92	5	0.1	2	4%	30	.18	.16	.15	.13
821-TS78M05CZ	TS78M05CZ	TO-220	5	0.5	2	4%	35	.35	.33	.30	.25
821-TS7805CZ	TS7805CZ	TO-220	5	1.0	2	4%	35	.35	.33	.30	.25
821-TS7805CI	TS7805CI	ITO-220	5	1.0	2	4%	35	.49	.46	.42	.35
821-TS79L05CY	TS79L05CY	SOT-89	-5	0.1	2	4%	-30	.38	.35	.32	.27
821-TS79L05CT	TS79L05CT	TO-92	-5	0.1	2	4%	-30	.21	.20	.18	.15
821-TS79L05CS	TS79L05CS	SOP-8	-5	0.1	2	4%	-30	.26	.24	.23	.19
821-TS79M05CP	TS79M05CP	TO-252 Dpak	-5	0.5	2	4%	-35	.35	.33	.30	.25
821-TS7905CZ	TS7905CZ	TO-220	-5	1.0	2	4%	-35	.41	.38	.35	.30
821-TS7908CZ	TS7908CZ	TO-220	-8	1.0	2	4%	-35	.41	.38	.35	.30
821-TS79L09CY	TS79L09CY	SOT-89	-9	0.1	2	4%	-30	.38	.35	.32	.27
821-TS79L09CT	TS79L09CT	TO-92	-9	0.1	2	4%	-30	.21	.20	.18	.15
821-TS7909CZ	TS7909CZ	TO-220	-9	1.0	2	4%	-35	.41	.38	.35	.30
821-TS79L12CY	TS79L12CY	SOT-89	-12	0.1	2	4%	-30	.38	.35	.32	.27
821-TS79L12CT	TS79L12CT	TO-92	-12	0.1	2	4%	-30	.21	.20	.18	.15
821-TS79M12CZ	TS79M12CZ	TO-220	-12	0.5	2	4%	-35	.37	.34	.32	.26
821-TS7915CZ	TS7915CZ	TO-220	-15	1.0	2	4%	-35	.41	.38	.35	.30
821-TS7915CI	TS7915CI	ITO-220	-15	1.0	2	4%	-35	.41	.38	.35	.30

TAIWAN SEMICONDUCTOR LOW DROPOUT REGULATORS

For quantities of 500 and up, call for quote.

821-TS2951CS50	TS2951CS50	SOP-8	Adjustable	0.15	0.4	1%	30	.53	.49	.45	.38
821-TS2937CW50	TS2937CW50	SOT-223	5	0.5	0.6	3%	26	.67	.62	.57	.48
821-TS39101CS50	TS39101CS50	SOP-8	5	1.0	0.6	2%	20	1.12	1.04	.96	.80
821-TS2940CZ50	TS2940CZ50	TO-220	5	1.0	0.6	3%	26	.81	.75	.69	.58
821-TS2937CW33	TS2937CW33	SOT-223	3.3	0.5	0.6	3%	26	.67	.62	.57	.48
821-TS5205CX533	TS5205CX533	SOT-25	3.3	0.15	0.4	2%	20	.42	.39	.36	.30
821-TS5205CX530	TS5205CX530	SOT-25	3	0.15	0.4	2%	20	.42	.39	.36	.30

TAIWAN SEMICONDUCTOR SWITCHING REGULATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Max. Input Voltage (V)	Output Voltage (V)	Output Current (V)	Frequency (kHz)	Ref. Voltage (V)	Price Each			
								1	25	100	250
821-TS2576CZ5	TS2576CZ5	TO-220-5L	40	Adjustable	3	52	1.23	1.91	1.77	1.64	1.36
821-TS2576CM5	TS2576CM5	TO-263-5L	40	Adjustable	3	52	1.23	1.91	1.77	1.64	1.36
821-TS2596CZ5	TS2596CZ5	TO-220-5L	40	Adjustable	3	150	1.23	2.80	2.60	2.40	2.00
821-TS2596CM5	TS2596CM5	TO-263-5L	40	Adjustable	3	150	1.23	2.80	2.60	2.40	2.00
821-TS2576CZ550	TS2576CZ550	TO-220-5L	40	5	3	52	1.23	1.91	1.77	1.64	1.36
821-TS2576CM550	TS2576CM550	TO-263-5L	40	5	3	52	1.23	1.91	1.77	1.64	1.36
821-TS2596CM550	TS2596CM550	TO-263-5L	40	5	3	150	1.23	2.80	2.60	2.40	2.00
821-TS2576CM533	TS2576CM533	TO-263-5L	40	3.3	3	52	1.23	1.91	1.77	1.64	1.36

TAIWAN SEMICONDUCTOR OPERATIONAL AMPLIFIERS

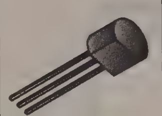
For quantities of 500 and up, call for quote.

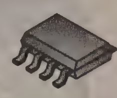
MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Max. Input Voltage (V)	Input Bias Current (nA)	Input Offset Voltage (mV)	Input Offset Current (nA)	Slew Rate (V/us)	Gain Bdwdth	# of Op	Price Each			
										1	25	100	250
821-TS358CS	TS358CS	SOP-8	16	500	7	150	0.6	1.1	2	.26	.24	.23	.21
821-TS358CD	TS358CD	DIP-8	16	500	7	150	0.6	1.1	2	.26	.24	.23	.21
821-TS324CS	TS324CS	SOP-14	16	500	7	150	0.6	1.1	4	.39	.36	.33	.30
821-TS324CD	TS324CD	DIP-14	16	500	7	150	0.6	1.1	4	.35	.33	.30	.28

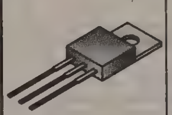
TAIWAN SEMICONDUCTOR COMPARATORS

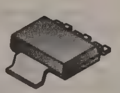
For quantities of 500 and up, call for quote.

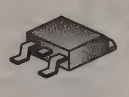
MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Max. Input Voltage (V)	Input Bias Current (nA)	Input Offset Voltage (mV)	Input Offset Current (nA)	Slew Rate (V/us)	Gain Bdwdth	# of Op	Price Each			
										1	25	100	250
821-TS393CS	TS393CS	SOP-8	18	250	5	50	1.3	-	2	.26	.24	.23	.21
821-TS393CD	TS393CD	DIP-8	18	250	5	50	1.3	-	2	.26	.24	.23	.21
821-TS339CS	TS339CS	SOP-14	18	250	5	50	1.3	-	4	.35	.33	.30	.28
821-TS339CD	TS339CD	DIP-14	18	250	5	50	1.3	-	4	.35	.33	.30	.28
821-TS339CD	TS339CD	DIP-14	18	250	5	50	1.3	-	4	.35	.33	.30	.28

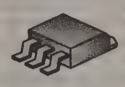

TO-92

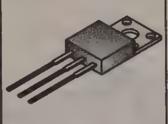

SOP-8

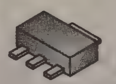

TO-220

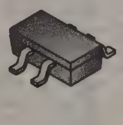

SOT-223

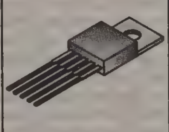

TO-252

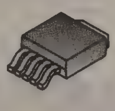

TO-263

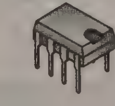

ITO-220

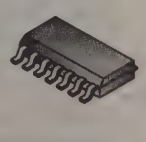

SOT-89

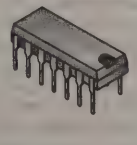

SOT-25


TO-220-5L

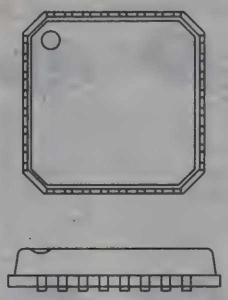

TO-263-5L

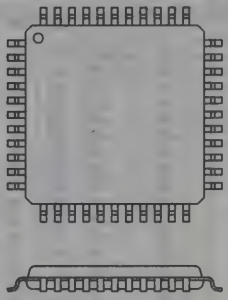

DIP-8

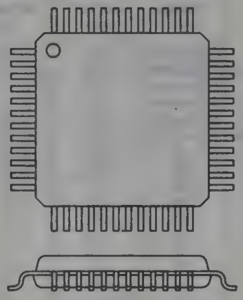

SOP-14

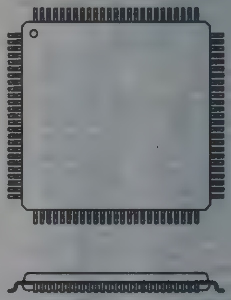

DIP-14

LATTICE Analog ICs


QFN-32


TQFP-44


TQFP-48


TQFP-100

LATTICE ANALOG POWER MANAGER

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Analog Inputs	Macro Cells	Outputs	FET Drivers	Price Each			
								1	25	100	500
842-CPOWR101401TN48I	ispPAC-POWR1014-01TN48I	TQFP 48	3.3	10	24	14	2	8.55	8.17	7.22	6.65
842-POWR1014A01TN48I	ispPAC-POWR1014A-01TN48I	TQFP 48	3.3	10	24	14	2	9.45	9.03	7.98	7.35
842-POWR120801T44E	ispPAC-POWR1208-01T44E	TQFP 44	3.0-5.5	12	16	8	4	14.40	12.96	12.24	10.80
842-POW120801TN44E	ispPAC-POWR1208-01TN44E	TQFP 44	3.0-5.5	12	16	8	4	14.40	12.96	12.24	10.80
842-POW120801TN44I	ispPAC-POWR1208-01TN44I	TQFP 44	3.0-5.5	12	16	8	4	13.10	11.79	11.14	9.83
842-P1208P101TN44I	ispPAC-POWR1208P1-01TN44I	TQFP-44	3.0-5.5	12	16	8	4	18.40	16.56	15.64	13.80
842-POWR1220AT8-01TN	ispPAC-POWR1220AT8-01TN100I	TQFP-100	3.3	12	48	20	4	15.20	13.68	12.92	12.16
842-POWR60401TN44E	ispPAC-POWR604-01TN44E	TQFP 44	2.25-5.5	8	8	4	-	10.10	9.09	8.59	7.58
842-POWR60401TN44I	ispPAC-POWR604-01TN44I	TQFP 44	2.25-5.5	8	8	4	-	9.20	8.28	7.82	6.90
842-ACPOWR60701NN32I	ispPAC-POWR607-01NN32I	QFN 32	2.64-3.96	6	16	5	2	4.39	4.19	3.71	3.41
842-CPOWR6AT601NN32I	ispPAC-POWR6AT6-01NN32I	QFN 32	2.8-3.96	6	-	6	-	7.65	7.31	6.46	5.95

LATTICE ISP CLOCK

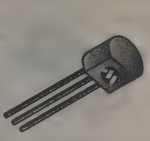
For quantities of 1000 and up, call for quote.

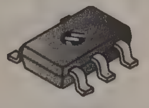
MOUSER STOCK NO.	Lattice Part No.	Package	Voltage (V)	Inputs		Clock Outputs	Frequency (MHz)	Output Skew (ps)	Price Each			
				Reference	Feedback				1	25	100	500
842-CCLK5304S01TN48C	ispPAC-CLK5304S-01TN48C	TQFP 48	3.3	2	1	4	8-267	<70	8.10	7.74	6.84	6.30
842-CCLK5304S01TN48I	ispPAC-CLK5304S-01TN48I	TQFP 48	3.3	2	1	4	8-267	<70	9.79	9.35	8.27	7.61
842-CCLK5308S01TN48C	ispPAC-CLK5308S-01TN48C	TQFP 48	3.3	2	1	8	8-267	<70	9.11	8.71	7.70	7.09
842-CCLK5308S01TN48I	ispPAC-CLK5308S-01TN48I	TQFP 48	3.3	2	1	8	8-267	<70	10.91	10.43	9.22	8.49
842-CCLK5312S01TN48C	ispPAC-CLK5312S-01TN48C	TQFP 48	3.3	2	1	12	8-267	<70	10.01	9.57	8.46	7.79
842-CCLK5312S01TN48I	ispPAC-CLK5312S-01TN48I	TQFP 48	3.3	2	1	12	8-267	<70	12.04	11.50	10.17	9.36
842-CCLK5316S01TN64C	ispPAC-CLK5316S-01TN64C	TQFP 64	3.3	2	1	16	8-267	<70	12.49	11.93	10.55	9.71
842-CCLK5316S01TN64I	ispPAC-CLK5316S-01TN64I	TQFP 64	3.3	2	1	16	8-267	<70	14.96	14.30	12.64	11.64
842-CCLK5320S01TN64C	ispPAC-CLK5320S-01TN64C	TQFP 64	3.3	2	1	20	8-267	<70	13.39	12.79	11.31	10.41
842-CCLK5320S01TN64I	ispPAC-CLK5320S-01TN64I	TQFP 64	3.3	2	1	20	8-267	<70	16.09	15.37	13.59	12.51
842-CLK5610AV01TN48C	ispPAC-CLK5610AV-01TN48C	TQFP 48	3.3	2	1	10	10-320	<50	11.93	11.40	10.07	9.28
842-CLK5610AV01TN48I	ispPAC-CLK5610AV-01TN48I	TQFP 48	3.3	2	1	10	10-320	<50	14.40	13.76	12.16	11.20
842-CLK610V01TN48C	ispPAC-CLK5610V-01TN48C	TQFP-48	3.3	2	1	10	10-320	<50	18.30	16.47	15.56	13.73
842-CLK610V01TN48I	ispPAC-CLK5610V-01TN48I	TQFP-48	3.3	2	1	10	10-320	<50	21.90	19.71	18.62	16.43
842-LK5620AV01TN100C	ispPAC-CLK5620AV-01TN100C	TQFP 100	3.3	2	2	20	10-320	<50	16.09	15.37	13.59	12.51
842-LK5620AV01TN100I	ispPAC-CLK5620AV-01TN100I	TQFP 100	3.3	2	2	20	10-320	<50	19.35	18.49	16.34	15.05
842-C5620V01TN100C	ispPAC-CLK5620V-01TN100C	TQFP-100	3.3	2	2	20	10-320	<50	31.00	27.90	26.35	23.25
842-C5620V01TN100I	ispPAC-CLK5620V-01TN100I	TQFP-100	3.3	2	2	20	10-320	<50	37.20	33.48	31.62	27.90

LATTICE ANALOG DESIGN SYSTEMS AND EVALUATION BOARDS

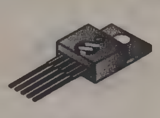
MOUSER STOCK NO.	Lattice Part No.	Description	Price Each
842-CLK5520-EV	PACCLK5520-EV	ispCLK5520 Evaluation Board	225.00
842-CLK5620-EV	PACCLK5620-EV	ispCLK5520 Evaluation Board	225.00
842-POWR1208-EV	PACPOWR1208-EV	ispPAC Power Manager 1208 Evaluation Board	99.00
842-POWR1208P1-EV	PACPOWR1208P1-EV	ispPAC-POWR1208 Precision Evaluation Board	99.00
842-POWR1208P1-EV	PACPOWR1208P1-EV	ispPAC Power Manager 1208P1 Evaluation Board	99.00
842-PACSYSCLK5620AV	PAC-SYSCLK5620AV	ispCLK5620AV Design System	308.40
842-PACSYSPOWR1208P1	PAC-SYSPOWR1208P1	ispPAC Power Manager 1208 Precision Design System	128.40
842-ACSYSPOWR1220AT8	PAC-SYSPOWR1220AT8	ispPAC Power Manager 1220AT8 Design System	253.20
842-SYSTEMCLK5520	PAC-SYSTEMCLK5520	ispCLK5520 Design System	295.00
842-SYSTEMCLK5620	PAC-SYSTEMCLK5620	ispCLK5620 Design System	295.00
842-SYSTEMPOWR1208	PAC-SYSTEMPOWR1208	ispPAC Power Manager 1208 Design System	149.00
842-SYSTEMPOWR1208P1	PAC-SYSTEMPOWR1208P1	ispPAC Power Manager 1208P1 Design System	49.00

MICROCHIP Analog ICs


TO-92

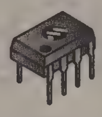

SC70-5

SOT-23-3

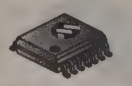

TO-220-5

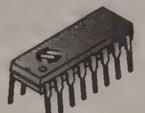
SOIC-8

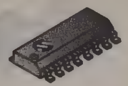
TSSOP-8


PDIP-8

PDIP-14


SOIC-14


PDIP-16

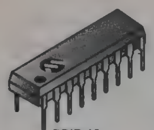

SOIC-16

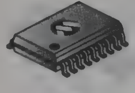
MICROCHIP TEMPERATURE SENSORS

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
Logic Output						
579-TC6501P045VCTTR	TC6501P045VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P055VCTTR	TC6501P055VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P065VCTTR	TC6501P065VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P075VCTTR	TC6501P075VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P085VCTTR	TC6501P085VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P095VCTTR	TC6501P095VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P105VCTTR	TC6501P105VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P115VCTTR	TC6501P115VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P120VCTTR	TC6501P120VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6501P125VCTTR	TC6501P125VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P045VCTTR	TC6502P045VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P055VCTTR	TC6502P055VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P065VCTTR	TC6502P065VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P075VCTTR	TC6502P075VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P085VCTTR	TC6502P085VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P095VCTTR	TC6502P095VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P105VCTTR	TC6502P105VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P115VCTTR	TC6502P115VCTTR	SQT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6502P125VCTTR	TC6502P125VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6503N015VCTTR	TC6503N015VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6503P005VCTTR	TC6503P005VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6504N015VCTTR	TC6504N015VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-TC6504P005VCTTR	TC6504P005VCTTR	SOT-23A-5	Ultra Small Temp Switch with Pin-Selectable Hysteresis	.94	.72	.55
579-MCP9700-E/TO	MCP9700-E/TO	TO-92-3	Linear Active Thermister (TM) IC (10mV/oC)	.31	.24	.19
579-MCP9700T-E/LT	MCP9700T-E/LT	SC70-5	Linear Active Thermister (TM) IC (10mV/oC)	.31	.24	.19
579-MCP9700A-E/TO	MCP9700A-E/TO	TO-92-3	Linear Active Thermister (TM) IC (10mV/oC)	.41	.31	.24
579-MCP9700AT-E/LT	MCP9700AT-E/LT	SC70-5	Linear Active Thermister (TM) IC (10mV/oC)	.41	.31	.24
579-TC1047AVNBTR	TC1047AVNBTR	SOT-23B-3	High Precision Temp-to-Voltage Converter (10mV/oC)	.79	.61	.47
579-TC74A0-5.0VAT	TC74A0-5.0VAT	TO-220-5	Serial Digital Thermal Sensor	1.78	1.37	1.03
579-TC74A0-5.0VCTTR	TC74A0-5.0VCTTR	SOT-23A-5	Serial Digital Thermal Sensor	1.15	.89	.66
579-TC74A5-5.0VAT	TC74A5-5.0VAT	TO-220-5	Serial Digital Thermal Sensor (Default Address)	1.78	1.37	1.03
579-TC74A5-5.0VCTTR	TC74A5-5.0VCTTR	SOT-23A-5	Serial Digital Thermal Sensor (Default Address)	1.15	.89	.66
579-TCN75AVOA	TCN75AVOA	SOIC-8	2-Wire Serial Temp Sensor/Thermal Monitor	.89	.68	.53
579-MCP9800A0T-M/OT	MCP9800A0T-M/OT	SOT-23A-5	High-Accuracy, 12-bit Thermal Sensor w/Serial Interface (A0 Address)	1.58	1.26	.90
579-MCP9801-M/SN	MCP9801-M/SN	SOIC-8	High-Accuracy, 12-bit Thermal Sensor with Serial Interface	1.48	1.18	.85
Serial Output						
579-MCP9802A0T-M/OT	MCP9802A0T-M/OT	SOT-23A-5	High-Accuracy, 12-bit Thermal Senso with Serial Interface and Bus Timeout (A0 Address)	1.65	1.32	.96
579-MCP9803-M/SN	MCP9803-M/SN	SOIC-8	High-Accuracy, 12-bit Thermal Sensor with Serial Interface and Bus Timeout	1.58	1.26	.90
579-MCP9805-BE/ST	MCP9805-BE/ST	TSSOP-8	JEDEC Serial output temp sensor, +/-1 deg C max accy (B grade)	1.32	1.02	.80
579-TC77-3.3MOA	TC77-3.3MOA	SOIC-8	High-Accuracy, 13-bit Thermal Sensor with SPITM Interface	1.20	.93	.69
579-TC77-5.0MOA	TC77-5.0MOA	SOIC-8	High-Accuracy, 13-bit Thermal Sensor with SPITM Interface	1.20	.93	.69

MICROCHIP DATA CONVERTERS

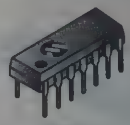
MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-MCP3201-CI/P	MCP3201-CI/P	PDIP-8	12-bit ADC, SPI, single channel	2.88	2.22	1.73
579-MCP3201-CI/SN	MCP3201-CI/SN	SOIC-8	12-bit ADC, SPI, single channel	2.88	2.22	1.73
579-MCP3208CIP	MCP3208-CI/P	PDIP-16	12-bit ADC, SPI, 8-channel	4.39	3.39	2.64
579-MCP3208CISL	MCP3208-CI/SL	SOIC-16	12-bit ADC, SPI, 8-channel	4.39	3.39	2.64
579-MCP3302-CI/P	MCP3302-CI/P	PDIP-14	13-bit ADC, Diff inputs, dual channel	3.96	3.05	2.37
579-MCP3302-CI/SL	MCP3302-CI/SL	SOIC-14	13-bit ADC, Diff inputs, dual channel	3.96	3.05	2.37
579-MCP3304-CI/P	MCP3304-CI/P	PDIP-16	13-bit ADC, Diff inputs, 4-channel	4.37	3.37	2.62
579-MCP3304-CI/SL	MCP3304-CI/SL	SOIC-16	13-bit ADC, Diff inputs, 4-channel	4.37	3.37	2.62
579-MCP3421A0T-E/OT	MCP3421A0T-E/OT	SOT-23A-6	18-bit Delta-sigma ADC, Single Channel, 4sps	3.14	2.42	1.81
579-MCP3551-E/SN	MCP3551-E/SN	SOIC-8	22-bit Delta-sigma ADC, Single Channel, 15sps, 50-60Hz Rejection	5.23	4.03	3.01
579-MCP3202-CI/P	MCP3202-CI/P	PDIP-8	12-bit ADC, SPI, Dual Channel	3.19	2.46	1.92
579-MCP3202-CI/SN	MCP3202-CI/SN	SOIC-8	12-bit ADC, SPI, Dual Channel	3.19	2.46	1.92
579-MCP3204-CI/P	MCP3204-CI/P	PDIP-14	12-bit ADC, SPI, 4-Channel	4.01	3.09	2.40
579-MCP3204-CI/SL	MCP3204-CI/SL	SOIC-14	12-bit ADC, SPI, 4-Channel	4.01	3.09	2.40
579-MCP3021A5T-E/OT	MCP3021A5T-E/OT	SOT-23A-5	10-bit ADC, I2C, Single Channel	1.78	1.37	1.07
579-MCP3221A5T-E/OT	MCP3221A5T-E/OT	SOT-23A-5	12-bit ADC, I2C, Single Channel	2.40	1.85	1.44
579-MCP3301-CI/P	MCP3301-CI/P	PDIP-8	13-bit ADC, Diff Inputs, Single Channel	2.88	2.22	1.72
579-MCP3301-CI/SN	MCP3301-CI/SN	SOIC-8	13-bit ADC, Diff Inputs, Single Channel	2.88	2.22	1.72
579-MCP4921-E/P	MCP4921-E/P	PDIP-8	Single 12-bit DAC with SPI interace	2.50	1.92	1.50
579-MCP4921-E/SN	MCP4921-E/SN	SOIC-8	Single 12-bit DAC with SPI interace	2.50	1.92	1.50
579-MCP4922-E/P	MCP4922-E/P	PDIP-14	Dual 12-bit DAC with SPI interace	3.31	2.55	1.99
579-MCP4922-E/SL	MCP4922-E/SL	SOIC-14	Dual 12-bit DAC with SPI interace	3.31	2.55	1.99


PDIP-18

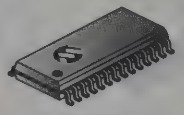

SOIC-18

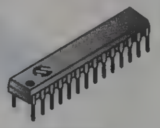
PDIP-8

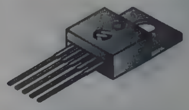
SOIC-8


PDIP-14

SOIC-14


SOIC-28


SPDIP-28


TO-220-5

MICROCHIP INTERFACE SOLUTIONS

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each 1	25	100
579-MCP2515-I/P	MCP2515-I/P	PDIP-18	CAN controller with SPI interface	2.86	2.20	1.71
579-MCP2515-I/SO	MCP2515-I/SO	SOIC-18	CAN controller with SPI interface	2.86	2.20	1.71
579-MCP2551-I/P	MCP2551-I/P	PDIP-8	High Speed CAN Transceiver	1.39	1.07	.83
579-MCP2551-I/SN	MCP2551-I/SN	SOIC-8	High Speed CAN Transceiver	1.39	1.07	.83
579-MCP2120-I/P	MCP2120-I/P	PDIP-14	Infrared Encoder/Decoder	2.21	1.70	1.32
579-MCP2120-I/SL	MCP2120-I/SL	SOIC-14	Infrared Encoder/Decoder	2.21	1.70	1.32
579-MCP2140-I/P	MCP2140-I/P	PDIP-18	9600 baud fixed speed IrDA protocol handler & bit encoder/decoder	2.59	2.00	1.55
579-MCP2140-I/SO	MCP2140-I/SO	SOIC-18	9600 baud fixed speed IrDA protocol handler & bit encoder/decoder	2.59	2.00	1.55
579-MCP2150-I/P	MCP2150-I/P	PDIP-18	IrDA® Protocol Handler plus Endec for DTE Apps	8.11	6.25	4.87
579-MCP2150-I/SO	MCP2150-I/SO	SOIC-18	IrDA® Protocol Handler plus Endec for DTE Apps	8.11	6.25	4.87
579-MCP23008-E/P	MCP23008-E/P	PDIP-18	8-bit Input/Output Expander, I2C interface	1.30	1.00	.78
579-MCP23008-E/SO	MCP23008-E/SO	SOIC-18	8-bit Input/Output Expander, I2C interface	1.30	1.00	.78
579-MCP23S08-E/P	MCP23S08-E/P	PDIP-18	8-bit Input/Output Expander, SPI interface	1.37	1.05	.82
579-MCP23S08-E/SO	MCP23S08-E/SO	SOIC-18	8-bit Input/Output Expander, SPI interface	1.37	1.05	.81
579-MCP23017-E/SO	MCP23017-E/SO	SOIC-28	16-bit Input/Output Expander, I2C interface	1.51	1.17	.90
579-MCP23017-E/SP	MCP23017-E/SP	SPDIP-28	16-bit Input/Output Expander, I2C interface	1.51	1.17	.90
579-MCP23S17-E/SO	MCP23S17-E/SO	SOIC-28	16-bit Input/Output Expander, SPI interface	1.58	1.22	.95
579-MCP23S17-E/SP	MCP23S17-E/SP	SPDIP-28	16-bit Input/Output Expander, SPI interface	1.58	1.22	.95

MICROCHIP MOSFET DRIVERS

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each 1	25	100
579-TC4421AVAT	TC4421AVAT	TO-220-5	9A Sngl MOSFET Driver	3.07	2.37	1.78
579-TC4421AVOA	TC4421AVOA	SOIC-8	9A Sngl MOSFET Driver	2.40	1.85	1.39
579-TC4422AVAT	TC4422AVAT	TO-220-5	9A Sngl MOSFET Driver	3.07	2.37	1.78
579-TC4422AVOA	TC4422AVOA	SOIC-8	9A Sngl MOSFET Driver	2.40	1.85	1.39
579-TC4424AVOA	TC4424AVOA	SOIC-8	3A Dual MOSFET Driver	2.16	1.67	1.25
579-TC4424AVPA	TC4424AVPA	PDIP-8	3A Dual MOSFET Driver	2.21	1.70	1.28
579-TC4426ACOA	TC4426ACOA	SOIC-8	1.5A Dual MOSFET Driver, td Match	1.01	.93	.84
579-TC4426ACPA	TC4426ACPA	PDIP-8	1.5A Dual MOSFET Driver, td Match	1.03	.95	.86
579-TC4427AEOA	TC4427AEOA	SOIC-8	1.5A Dual MOSFET Driver, td Match	1.01	.93	.84
579-TC4427AEPA	TC4427AEPA	PDIP-8	1.5A Dual MOSFET Driver, td Match	1.03	.95	.86
579-TC4428ACOA	TC4428ACOA	SOIC-8	1.5A Dual MOSFET Driver, td Match	1.01	.93	.84
579-TC4428ACPA	TC4428ACPA	PDIP-8	1.5A Dual MOSFET Driver, td Match	1.03	.95	.86
579-TC4452VAT	TC4452VAT	TO-220-5	12A Sngl MOSFET Driver	3.48	2.68	2.02
579-TC4452VOA	TC4452VOA	SOIC-8	12A Sngl MOSFET Driver	2.74	2.11	1.58
579-MCP1403-E/P	MCP1403-E/P	PDIP-8	4.5A Dual MOSFET Driver	2.33	1.79	1.35
579-MCP1403-E/SN	MCP1403-E/SN	SOIC-8	4.5A Dual MOSFET Driver	2.28	1.75	1.31
579-MCP1404-E/P	MCP1404-E/P	PDIP-8	4.5A Dual MOSFET Driver	2.42	1.87	1.41
579-MCP1404-E/SN	MCP1404-E/SN	SOIC-8	4.5A Dual MOSFET Driver	2.37	1.83	1.38
579-MCP1405-E/P	MCP1405-E/P	PDIP-8	4.5A Dual MOSFET Driver	2.42	1.87	1.41
579-MCP1405-E/SN	MCP1405-E/SN	SOIC-8	4.5A Dual MOSFET Driver	2.37	1.38	1.31
579-MCP1406-E/P	MCP1406-E/P	PDIP-8	6A Sngl MOSFET Driver	1.33	1.06	.74
579-MCP1406-E/SN	MCP1406-E/SN	SOIC-8	6A Sngl MOSFET Driver	1.30	1.04	.72
579-MCP1407-E/P	MCP1407-E/P	PDIP-8	6A Sngl MOSFET Driver	1.33	1.06	.74
579-MCP1407-E/SN	MCP1407-E/SN	SOIC-8	6A Sngl MOSFET Driver	1.30	1.04	.72

MICROCHIP DIGITAL POTENTIOMETERS

NEW PRODUCT

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each 1	25	100
579-MCP4011-103E/SN	MCP4011-103E/SN	SOIC-8	10k, U/D Single, 6-bit V, POT	.65	.50	.39
579-MCP4011-502E/SN	MCP4011-502E/SN	SOIC-8	5k, U/D Single, 6-bit V, POT	.65	.50	.39
579-MCP4021-103E/SN	MCP4021-103E/SN	SOIC-8	10k, U/D Single, 6-bit NV, POT	.98	.76	.59
579-MCP4021-502E/SN	MCP4021-502E/SN	SOIC-8	5k, U/D Single, 6-bit NV, POT	.98	.76	.59
579-MCP41010-E/P	MCP41010-E/P	PDIP-8	Digital Pot, 256 Steps, SPI, 10k Ω, Single Channel	1.82	1.41	1.10
579-MCP41010-E/SN	MCP41010-E/SN	SOIC-8	Digital Pot, 256 Steps, SPI, 10k Ω, Single Channel	1.82	1.41	1.10
579-MCP41050-E/P	MCP41050-E/P	PDIP-8	Digital Pot, 256 steps, SPI, 50kohms, single channel	1.82	1.41	1.10
579-MCP41050-E/SN	MCP41050-E/SN	SOIC-8	Digital Pot, 256 steps, SPI, 50kohms, single channel	1.82	1.41	1.10
579-MCP41100-E/P	MCP41100-E/P	PDIP-8	Digital Pot, 256 steps, SPI, 100kohms, single channel	1.82	1.41	1.10
579-MCP41100-E/SN	MCP41100-E/SN	SOIC-8	Digital Pot, 256 steps, SPI, 100kohms, single channel	1.82	1.41	1.10
579-MCP42010-E/P	MCP42010-E/P	PDIP-14	Digital Pot, 256 Steps, SPI, 10k Ω, Dual Channel	2.74	2.11	1.64
579-MCP42010-E/SL	MCP42010-E/SL	SOIC-14	Digital Pot, 256 Steps, SPI, 10k Ω, Dual Channel	2.74	2.11	1.64
579-MCP42050-E/P	MCP42050-E/P	PDIP-14	Digital Pot, 256 steps, SPI, 50kohms, dual channel	2.74	2.11	1.64
579-MCP42050-E/SL	MCP42050-E/SL	SOIC-14	Digital Pot, 256 steps, SPI, 50kohms, dual channel	2.74	2.11	1.64
579-MCP42100-E/P	MCP42100-E/P	PDIP-14	Digital Pot, 256 steps, SPI, 100kohms, dual channel	2.74	2.11	1.64
579-MCP42100-E/SL	MCP42100-E/SL	SOIC-14	Digital Pot, 256 steps, SPI, 100kohms, dual channel	2.74	2.11	1.64

Communication, Interface, Driver, Video and Touch Sensing ICs

RoHS Compliant **This page of product is compliant.**

OMRON ELECTRONIC COMPONENTS B6TS - CAPACITIVE TOUCH SENSING ICS

OMRON expands its switch product range by introducing the new touch sensor switch family B6TS which is based on a capacitive measurement principle:

- B6TS-04LT – 4 channel sensor
- B6TS-08NF – 8 channel sensor

Features:

- B6TS is 'Application Ready' The B6TS was developed to be highly tolerant of its working environment with adaptive features such as self teaching, auto threshold and intelligent filtering to meet the demands of most applications today. B6TS resists EMC and compensates continuously for long-term drift.
- The customer has the 'Freedom to Design' With the exception of a few rules of thumb you are limited only by your imagination. Panel designers are free to decide electrode size, shape, spacing etc. The design is quick and easy – simulation, pcb design, cover material design, assembly – Finished Panel Solution!
- 'Freedom in Material' You can make touch keys through any non-conducting panel material including plastic, rubber, glass, marble and wood. You can use low cost commercial PCB materials to create your designs. Most designs can be done on low cost single sided PCB like FR-2 or CEM-1.

Capacitive Touch Sensing IC's

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Description	Supply Voltage	Price Each		
Mfr.	Mfr. Part No.			1	25	100
653	B6TS-04LT	4 channel sensor	3.0v - 5.5v	3.46	3.26	3.08
653	B6TS-08NF	8 channel sensor	4.5v - 5.5v	4.03	3.82	3.61

OMRON ELECTRONIC COMPONENTS EVALUATION KIT 'B6T WORKBENCH'

NEW! TECHNOLOGY

Includes:

- A PC tool to program custom parameters of the B6TS like: sensitivity adjustment, hysteresis, timing to judge a touch event, drift compensation, output mode selectable: a) momentary switching, b) latching switching, c) serial data via SPI interface
- RS232 to SPI interface board
- Demo Panel for either (4 , 8 or 12 channels) to have an application ready evaluation platform available. The demo panel can be used to immediately carry out investigations with different cover materials and geometries.
- Simulation Software - To evaluate the behavior of the custom panel design before making a PCB.
- Application Note - Touch panel reference design.

Development Kit

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
653	B6TW-S04LT	4 channel sensor	500.00
653	B5TW-S08NF	8 channel sensor	500.00

JRC NJR CORPORATION LCD CONTROLLER/DRIVER ICS-EXTENSION LCD DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	100
513	NJU#6416FC1	QFP-100	Dot Matrix, 80-Out Segment	4.18	3.87	3.55

JRC NJR CORPORATION COMMUNICATIONS/INTERFACE: SWITCHES/MULTIPLEXERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	100
513	NJM#2533D	DIP-8	2-Input 1-Output Video Switch	.38	.34	.32
513	NJM#2283D	DIP-16	2-Input 3 Channel Video Switch	1.15	1.02	.96
513	NJM#2233BD	DIP-8	2-Input Single Video Switch	.34	.31	.29
513	NJM#2534M	DMP-8	3-Input 1-Output Video Switch	.52	.48	.45
513	NJM#2234M	DMP-8	3-Input Video Switch	.36	.33	.31
513	NJM#2296D	DIP-16	5-Input 3-Output Video Switch	1.67	1.55	1.44
513	NJU#7312AL	SDIP-28	Analog Function Switch	2.07	1.93	1.79
513	NJU#7313AM	DMP-30	Analog Function Switch	1.90	1.80	1.70
513	NJU#4066BD	DIP-14	CMOS Quad Analog Switch	.56	.50	.44
513	NJU#4066BM	DMP-14	CMOS Quad Analog Switch	.53	.43	.38
513	NJU#201AD	DIP-16	CMOS Quad SPST Analog Switch	1.13	1.05	.98
513	NJU#201AM	DMP-16	CMOS Quad SPST Analog Switch	.99	.88	.83
513	NJU#211D	DIP-16	CMOS Quad SPST Analog Switch	1.06	.99	.92
513	NJU#211M	DMP-16	CMOS Quad SPST Analog Switch	1.03	.94	.85
513	NJU#7301D	DIP-16	CMOS Quad SPST Analog Switch	2.09	1.95	1.81
513	NJU#4052BD	DIP-16	Dual 4-Channel Multiplexer	.68	.61	.56
513	NJU#4052BM	DMP-16	Dual 4-Channel Multiplexer	.77	.71	.66
513	NJU#4051BD	DIP-16	Single 8-Channel Multiplexer	.70	.65	.60
513	NJU#4051BM	DMP-16	Single 8-Channel Multiplexer	.68	.62	.56
◆ 513	NJG#1522KB2TE1	FLP-6-B2	SPDT Switch GaAs MMIC	.95	.88	.82
◆ 513	NJG#1523KB2-TE1	FLP-6-B2	SPDT Switch GaAs MMIC	.92	.82	.77
513	NJU#4053BM	DMP-16	Triple 2-Channel Multiplexer	.75	.68	.61

JRC NJR CORPORATION COMMUNICATION/INTERFACE: FREQ/SIGNAL CONVERTERS/GENERATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	100
513	NJM#1496D	DIP-14	Dual Bal. Modulator/Demodulator	1.26	1.18	1.09
513	NJM#2257D	DIP-16	Synchronous Separation with AFC	2.18	2.04	1.89
513	NJM#2257M-TE1	DMP-16	Synchronous Separation with AFC	2.09	1.71	1.52
◆ 513	NJM#2295AV-TE1	SSOP-20	FM IF IC for Remote Keyless Entry	2.17	2.05	1.94
◆ 513	NJM#2542V-TE1	SSOP-20	VIF/SIF Demodulator	1.35	1.26	1.17
◆ 513	NJM#2590V-TE1	SSOP-14	456 kHz Input FM IF Demod IC	1.60	1.42	1.34
◆ 513	NJM#2594V-TE1	SSOP-8	Double Balanced Mod/Demod	2.11	2.00	1.89
513	NJU#3716L	SDIP-24	16-Bit Serial to Parallel Converter	1.44	1.37	1.29
513	NJU#3716M	DMP-24	16-Bit Serial to Parallel Converter	1.44	1.37	1.29
◆ 513	NJW#1503AV-TE1	SSOP-16	PLL Synth w/ 3-wire Bus for TV Tuner	1.28	1.20	1.11
513	NJM#4151D	DIP-8	V-f/f-V Converter	1.78	1.66	1.54

JRC NJR CORPORATION MOTOR CONTROLLER/DRIVER ICS

For quantities of 500 and up, call for quote.

513	NJM#3517D2	DIP-16	Stepper Motor Controller/Driver	3.53	3.35	3.16
513	NJM#3517E2	EMP-16	Stepper Motor Controller/Driver	3.53	3.35	3.16
513	NJM#3717D2	DIP-16	Stepper Motor Driver	1.60	1.49	1.38
513	NJM#3717FM2	PLCC-28	Stepper Motor Driver	2.72	2.57	2.43
513	NJM#3770AD3	DIP-16 (Batwing)	Stepper Motor Driver	2.85	2.70	2.55
513	NJM#3771D2	DIP-22	Dual Stepper Motor Driver	4.00	3.70	3.40
513	NJM#3772D2	DIP-22	Dual Stepper Motor Driver	3.72	3.44	3.16
513	NJM#3772FM2	PLCC-28	Dual Stepper Motor Driver	3.72	3.44	3.16
513	NJM#3773D2	DIP-22	Dual Stepper Motor Driver	3.42	3.16	2.91
513	NJM#3773FM2	PLCC-28	Dual Stepper Motor Driver	3.42	3.16	2.91
513	NJM#3775D2	DIP-22	Dual Stepper Motor Driver	3.42	3.16	2.91
513	NJM#3775FM2	PLCC-28	Dual Stepper Motor Driver	5.43	5.15	4.86
513	NJM#3777E3	EMP-24(Batwing)	Dual Stepper Motor Driver	3.25	3.08	2.91
513	NJM#37770D3	DIP-16(Batwing)	Stepper Motor Driver	5.43	5.15	4.86
513	NJM#2606AD	DIP-8	Servo Motor Controller	.54	.50	.47
513	NJM#2611D	DIP-16	Brushless DC Motor Pre-Driver	1.14	1.08	1.02
513	NJM#2624AM	DMP-16	PWM Type 3-Phase DC Brushless	1.35	1.20	1.13
513	NJU#7325R-TE1	VSP-8	Single-Phase DC Brushless	.81	.76	.70

JRC NJR CORPORATION COMMUNICATIONS/INTERFACE: AMPLIFIERS

◆ Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	100
◆ 513	NJG#1101F-TE1	MTP-6	Wide Band AGC Amp GaAs MMIC	1.78	1.66	1.54

JRC NJR CORPORATION VIDEO CIRCUITS

Features:

- Wide Operating Voltages
- Power Save Circuitry
- Bipolar Technology

Applications:

- VCR
- Video Camera
- TV
- Set Top Boxes

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	100
513	NJM#2246M	DMP-8	3-Input Switch w/ 6 dB Amplifier	.61	.57	.52
513	NJM#2244D	DIP-8	3-Input Switch w/ 75Ω Driver	.42	.38	.34
513	NJM#2244M	DMP-8	3-Input Switch w/ 75Ω Driver	.42	.38	.34
513	NJM#2296D	DIP-16	5-Input 3-Output Switch	1.67	1.55	1.44
513	NJM#592D	DIP-14	Amplifier	.47	.44	.41
513	NJM#592D8	DIP-8	Amplifier	.49	.44	.39
513	NJM#2255M	DMP-8	Chroma Signal Hue Tint Controller	1.28	1.14	1.08
513	NJM#2256M	DMP-20	Color Super Imposer	1.08	1.03	.97
513	NJM#2268D	DIP-8	Dual 6 dB Amplifier w/ 75Ω Driver	.69	.64	.59
513	NJM#2536AM	DMP-14	FM IF IC for Pagers	.81	.76	.70
◆ 513	NJM#2274R-TE1	VSP-8	Low Power Amp w/ Y-C Amplifier	1.13	1.05	.98
513	NJM#2259M	DMP-16	RF Modulator for VHF Band	1.08	1.03	.97
513	NJM#2519AM	DMP-8	RF Modulator for VHF Band	.97	.90	.84
513	NJM#2580D	DIP-14	Single Supply Wide Band Triple Amp	1.60	1.49	1.38
513	NJM#2240D	DIP-8	Sub-Carrier Signal Quadrupler	.95	.86	.77
513	NJM#2207D	DIP-14	Super Imposer	.92	.86	.80
513	NJM#2207M	DMP-14	Super Imposer	.90	.82	.74
◆ 513	NJM#2509V-TE1	SSOP-8	Super Imposer with Y-C Mixer	1.28	1.14	1.08
◆ 513	NJM#2274R-TE1	VSP-8	Low Power Video Amp w/ Y-C Amp	1.13	1.05	.98
◆ 513	NJM#2509V-TE1	SSOP-8	Video Super Impo w/ Y-C Mixer	1.28	1.14	1.08
◆ 513	NJM#2568V-TE1	SSOP-14	Video Amplifier w/ 75Ω Driver	1.96	1.74	1.64
◆ 513	NJM#2571F1-TE1	MTP-6	Low Voltage Video Amp with LPF	1.26	1.18	1.09
513	NJM#2267D	DIP-8	Dual Video 6 dB Amp w/ 75Ω Driver	.51	.41	.37
513	NJM#2267M	DMP-8	Dual Video 6 dB Amp w/ 75Ω Driver	.56	.50	.44

JRC NJR CORPORATION AUDIO CIRCUITS

Features:

- Wide Operating Voltages
- I²C BUS Interface
- Volume Control

Applications:

- AV Amplifier
- Speaker System
- Mini Stereo Components

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

513	NJM#2520D	DIP-8	2-Input 1-Output Audio Switch	.36	.33	.31
513	NJM#2521M	DMP-8	3-Input 1-Output Audio Switch	.52	.48	.45
513	NJM#2750M	DMP-16	4-In/1-Out Stereo Audio Selector	1.13	1.05	.98
513	NJW#1151M	SDMP-30	6-Channel Electronic Volume	3.80	3.60	3.40
◆ 513	NJM#2174V-TE1	SSOP-14	Audio Line Amp w/ Mute Function	1.13	1.05	.98
◆ 513	NJU#8721V-TE1	SSOP-20	Class D Headphone Amp, Digital Audio	3.80	3.60	3.40
◆ 513	NJU#8725V-TE1	SSOP-24	Class D Headphone Amp, Digital Audio	3.40	3.22	3.04
513	NJM#2768BM	DMP-8	Headphone Amp for CD-ROM	.52	.48	.45
513	NJW#1105M	SDMP-30	Dual Audio Power Amp	2.29	2.07	1.97
513	NJM#2073D	DIP-8	Dual Low Voltage Power Amp	.65	.61	.57
513	NJM#2073M	DMP-8	Dual Low Voltage Power Amp	.65	.58	.55
513	NJM#2076D	DIP-8	Dual Low Voltage Power Amp	1.06	.99	.92
513	NJM#2135D	DIP-8	Low Voltage Audio Power Amp	.47	.44	.41
513	NJM#2135M	DMP-8	Low Voltage Audio Power Amp	.48	.44	.40
513	NJM#2149M	DMP-8	Low Voltage Audio Power Amp IC	.68	.60	.57
◆ 513	NJM#2171AR-TE1	VSP-10	Low Volt Headphone Amp	.61	.57	.52
513	NJM#2070D	DIP-8	Low Voltage Power Amp	.65	.61	.57
513	NJM#2113D	DIP-8	Low Voltage Power Amp	.52	.48	.45
513	NJM#2113M	DMP-8	Low Voltage Power Amp	.42	.38	.34
◆ 513	NJM#2172V-TE1	SSOP-14	Operational Amp with EVR	1.42	1.26	1.19
513	NJM#386BD	DIP-(-Pb)	Low Voltage	.42	.38	.34
513	NJM#386BD	DIP-8	Low Voltage	.42	.38	.34
◆ 513	NJM#386BL	SIP-8	Low Voltage	.42	.38	.34
513	NJM#386D	DIP-8	Low Voltage	.42	.38	.34
◆ 513	NJM#386E	SO-8	Low Voltage	.54	.50	.45
513	NJU#9214FG1-00	QFP-100-G1	4 3/4 Digital LSI	25.72	25.01	23.86

ON SEMICONDUCTOR Analog ICs

ON Semiconductor®

RoHS Compliant This page of product is compliant.

ANALOG SWITCHES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VCC Max. (V)	ron Max. (mA)	No. of Elements	Ilkg Max. (μA)	Channels	Price Each		
								1	25	100
863-NLAS3799BMUR2G	NLAS3799BMUR2G	UQFN-16	4.3	0.4	-	1	4	4.50	3.75	3.38
863-NLAS44599DTG	NLAS44599DTG	TSSOP-16	5.5	30	2	0.2	2	1.25	1.00	.90
863-NLAS44599MNG	NLAS44599MNG	QFN-16	5.5	30	2	0.2	2	1.38	1.10	.99
863-NLAS5123MNR2G	NLAS5123MNR2G	WDFN-6	5.5	1	1	1	1	2.76	2.30	2.07
863-NLAS5123MUR2G	NLAS5123MUR2G	UDFN-6	5.5	1	1	1	1	3.24	2.70	2.43
863-NLAS7222AMTR2G	NLAS7222AMTR2G	WQFN-10	3.6	9	-	1	4	4.50	3.75	3.38
863-NLAS9431MTR2G	NLAS9431MTR2G	QFN 16	5.5	30	2	0.2	2	2.07	1.73	1.55
863-NLAST44599DTG	NLAST44599DTG	TSSOP-16	5.5	30	2	0.2	2	1.25	1.00	.90
863-NLAST44599MNG	NLAST44599MNG	QFN-16	5.5	30	2	0.2	2	2.00	1.60	1.44
863-NLAST9431MTR2G	NLAST9431MTR2G	QFN 16	5.5	30	2	0.2	2	2.46	2.05	1.85
863-MC74HC4051ANG	MC74HC4051ANG	PDIP-16	6	190	1	0.2	8	.43	.34	.31
863-MC74HC4053ADG	MC74HC4053ADG	SOIC-16	6	190	3	0.1	2	.34	.27	.25
863-MC74HC4066ADG	MC74HC4066ADG	SOIC-14	12	120	4	0.1	1	.25	.20	.17
863-MC14016BCPG	MC14016BCPG	PDIP-14	18	660	4	0.1	1	.31	.25	.22
863-MC14051BCPG	MC14051BCPG	PDIP-16	18	500	1	0.1	8	.48	.38	.34
863-MC14051BDG	MC14051BDG	SOIC-16	18	500	1	0.1	8	.36	.30	.27
863-MC14051BDTR2G	MC14051BDTR2G	TSSOP-16	18	500	1	0.1	8	.33	.26	.23
863-MC14052BCPG	MC14052BCPG	PDIP-16	18	500	2	0.1	4	.48	.38	.34
863-MC14052BDG	MC14052BDG	SOIC-16	18	500	2	0.1	4	.38	.30	.27
863-MC14053BDG	MC14053BDG	SOIC-16	18	500	3	0.1	2	.36	.30	.27
863-MC14066BDG	MC14066BDG	SOIC-14	18	500	4	0.1	1	.24	.20	.18
863-MC14067BCPG	MC14067BCPG	PDIP-24W	18	500	1	0.1	16	1.19	.95	.85
863-MC14551BCPG	MC14551BCPG	PDIP-16	18	500	4	0.1	2	1.49	1.19	1.07
863-MC14551BDG	MC14551BDG	SOIC-16	18	500	4	0.1	2	1.33	1.07	.96
863-NLAST9431MTR2G	NLAST9431MTR2G	QFN 16	5.5	30	2	0.2	2	2.46	2.05	1.85

SMARTCARD AND SIM INTERFACES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VCC Max. (V)	IT Typ. (mA)	II (stand by) Max.	fClock Max. (MHz)	Type	Price Each		
								1	25	100
863-NCN4555MNG	NCN4555MNG	QFN-16	5.5	0.03	4	5	Interface	3.50	2.80	2.52
863-NCN6000DTBG	NCN6000DTBG	TSSOP-20	6	5	15	40	PFM	3.58	2.86	2.57
863-NCN6010DTBG	NCN6010DTBG	TSSOP-14	6	20	2	10	PFM	2.65	2.12	1.91

MOTOR CONTROL INTERFACES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VCC Max. (V)	PD Max. (W)	IO Max. (A)	Type	Price Each		
							1	25	100
863-MC33039DG	MC33039DG	SOIC-8	9	0.65	0.02	Brushless DC	1.18	.94	.85
863-MC33039PG	MC33039PG	PDIP-8	9	0.867	0.02	Brushless DC	1.18	.94	.85
863-TDA1085CG	TDA1085CG	PDIP-16	16	1	0.2	Triac Control	1.68	1.34	1.21
863-MC3479PG	MC3479PG	PDIP-16	16.5	1.54	0.5	Stepper	6.51	5.43	4.88
863-MC33033DWG	MC33033DWG	SOIC-20W	30	0.619	0.1	Brushless DC	3.83	3.06	2.75
863-MC33033PG	MC33033PG	PDIP-20	30	0.867	0.1	Brushless DC	3.83	3.06	2.75
863-MC33035DWG	MC33035DWG	SOIC-24W	30	0.65	0.1	Brushless DC	3.93	3.14	2.83
863-MC33035PG	MC33035PG	PDIP-24N	30	0.867	0.1	Brushless DC	3.93	3.14	2.83
863-MC33030PG	MC33030PG	PDIP-16	36	0.812	1	Brush DC	4.55	3.64	3.28

LOAD / RELAY DRIVERS

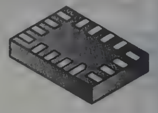
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	V (BR) Min. (V)	V (BR) Max. (V)	IR Max. (μA)	VIO Max. (V)	IO Max. (a)	Price Each		
								1	25	100
863-NUD3105DMT1G	NUD3105DMT1G	SC-74	6	- - -	15	0.45	- - -	.48	.40	.32
863-NUD3105LT1G	NUD3105LT1G	SOT-23	6	- - -	15	0.45	- - -	.42	.35	.28
863-MDC3105DMT1G	MDC3105DMT1G	SC-74	6.2	- - -	50	0.4	- - -	.48	.40	.32
863-MDC3105LT1G	MDC3105LT1G	SOT-23	6.2	- - -	50	0.4	- - -	.42	.35	.28
863-NUD3112DMT1G	NUD3112DMT1G	SC-74	14	- - -	15	- - -	0.5	.48	.40	.32
863-NUD3112LT1G	NUD3112LT1G	SOT-23	14	- - -	15	- - -	0.5	.42	.35	.28
863-NUD3124DMT1G	NUD3124DMT1G	SC-74	28	- - -	50	- - -	0.25	.48	.40	.32
863-NUD3124LT1G	NUD3124LT1G	SOT-23	28	- - -	50	- - -	0.25	.42	.35	.28
863-NUD3160DMT1G	NUD3160DMT1G	SC-74	61	- - -	50	- - -	0.15	.48	.40	.32
863-NUD3160LT1G	NUD3160LT1G	SOT-23	61	- - -	50	- - -	0.15	.42	.35	.28

VOLTAGE COMPARATORS

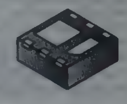
For quantities of 500 and up, call for quote.

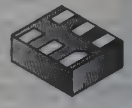
MOUSER STOCK NO.	ON Semi Part No.	Package	VCC Max. (V)	TA Max. (°C)	TA Min. (°C)	Channels	IO Typ. (mA)	ICC Typ. (mA)	VIO Max. (mV)	VIO Max. (mV)	Price Each		
											1	25	100
863-MC3302PG	MC3302PG	PDIP-14	30	85	-40	4	16	1	20	1300	.61	.50	.45
863-LM239DG	LM239DG	SOIC-14	36	85	-25	4	16	1	5	1300	.24	.20	.18
863-LM2901DG	LM2901DG	SOIC-14	36	105	-40	4	16	1	7	1300	.24	.20	.18
863-LM2901DR2G	LM2901DR2G	SOIC 14	36	105	-40	4	16	1	7	1300	.24	.20	.18
863-LM2901NG	LM2901NG	PDIP-14	36	105	-40	4	16	1	7	1300	.34	.28	.25
863-LM2901VNG	LM2901VNG	PDIP-14	36	125	-40	4	16	1	7	1300	.43	.36	.32
863-LM2903DR2G	LM2903DR2G	SOIC-8	36	105	-40	2	16	0.7	7	1500	.24	.20	.18
863-LM311DR2G	LM311DR2G	SOIC-8	36	70	0	1	8	2.4	7.5	200	.32	.27	.24
863-LM339DR2G	LM339DR2G	SOIC-14	36	70	0	4	16	1	5	1300	.23	.19	.17
863-LM339NG	LM339NG	PDIP-14	36	70	0	4	16	1	5	1300	.34	.28	.25
863-LM2903DG	LM2903DG	SOIC-8	36	105	-40	2	16	0.7	7	1500	.24	.20	.18
863-LM2903NG	LM2903NG	PDIP-8	36	105	-40	2	16	0.7	7	1500	.27	.22	.20
863-LM293DG	LM293DG	SOIC-8	36	85	-25	2	16	0.7	5	1300	.24	.20	.18
863-LM393DG	LM393DG	SOIC-8	36	70	0	2	16	0.7	5	1300	.22	.18	.16
863-LM393DR2G	LM393DR2G	SOIC-8	36	70	0	2	16	0.7	5	1300	.22	.18	.16
863-LM393NG	LM393NG	PDIP-8	36	70	0	2	16	0.7	5	1300	.28	.24	.21
863-NCS2220AMUT1G	NCS2220AMUT1G	UDFN-8	6	105	-40	1	60	0.075	5	500	1.41	1.18	1.06
863-NE521DG	NE521DG	SOIC-14	+/- 7	70	0	2	- - -	27	7.5	9.6	6.09	5.08	4.57
863-NE521NG	NE521NG	PDIP-14	+/- 7	70	0	2	- - -	27	7.5	9.6	5.55	4.63	4.16

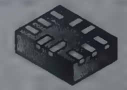

UQFN-16

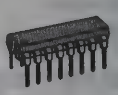
TSSOP-16

QFN-16

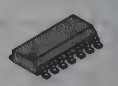

WDFN-6

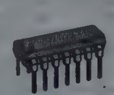

UDFN-6

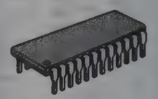

WQFN-10

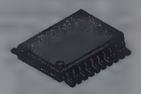

PDIP-16

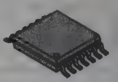
SOIC-16


SOIC-14


PDIP-14

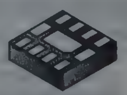

PDIP-24W

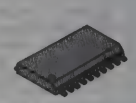

TSSOP-20


TSSOP-14

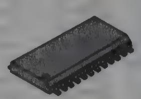
SOIC-8

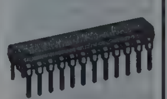
PDIP-8


UDFN-8


SOIC-20W

PDIP-20


SOIC-24W


PDIP-24N

SC-74

SOT-23

PERICOM Switches

RoHS Compliant **This page of product is compliant.**

PERICOM
Enabling Serial Connectivity

ANALOG SWITCHES

- Wide Voltage Range
- Low R-on
- Fast Speed ton:10 to 30ns
- Broadband: 200 to 300 MHz
- Advanced packaging

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Voltage	Configuration	Type	Single Supply Operation	Pins	Price Each			
								1	25	100	250
729-PI3A212SZLEX	PI3A212SZLEX	TQFN	3V	SPDT	Dual	2.7V to 4.2V	10	.82	.74	.66	.62
729-PI3A212ZLEX	PI3A212ZLEX	TQFN	3V	SPDT	Dual	2.7V to 4.2V	10	.68	.61	.54	.51
729-PI3A3160CZGEX	PI3A3160CZGEX	TDFN	3V	SPDT	Dual	2.25V to 3.6V	12	.92	.83	.74	.69
729-PI5A4213GAEX	PI5A4213GAEX	CSP	5V	SPDT	Dual	1.65V to 5.5V	12	1.02	.92	.82	.77
729-PI5A3158ZAEX	PI5A3158ZAEX	TDFN	5V	SPDT	Dual	1.65V to 5.5V	12	.64	.58	.51	.48
729-PI5A4684GAEX	PI5A4684GAEX	CSP	5V	SPDT	Dual	1.65V to 5.5V	10	.92	.83	.74	.69
729-PI5A4764GAEX	PI5A4764GAEX	CSP	5V	SPDT	Dual	1.65V to 5.5V	10	1.00	.90	.80	.75
729-PI5A3157CEX	PI5A3157CEX	SC70	5V	SPDT	Single	1.65V to 5.5V	6	.58	.52	.46	.44

BUS SWITCHES

The NanoSwitch™ Digital BUS Switch family has the industry's greatest selection of functions with feature rich options. Pericom offers the widest selection of bus products in the industry today, while providing industry leading technology.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Description	Price Each			
				1	25	100	250
729-PI3B3253QE	PI3B3253QE	QSOP	3.3V, 6:1 Multiplexer/Demultiplexer	1.65	1.45	1.39	1.32
729-PI3B3257QE	PI3B3257QE	QSOP	3.3V, 2:1 Multiplexer/Demultiplexer	1.18	1.04	.99	.95
729-PI3B32X245BE	PI3B32X245BE	BQSOP	3.3V, 16 Bit, 2 Port	2.99	2.64	2.51	2.39
729-PI3B32X384BE	PI3B32X384BE	BQSOP	3V, 20 Bit, 2 Port	2.78	2.45	2.37	2.22
729-PI3C3125LE	PI3C3125LE	TSSOP	3.3V, High-Bandwidth, 4-Bit, w/High Enables, 2 port	1.29	1.14	1.12	1.03
729-PI3C3125WE	PI3C3125WE	SOIC	3.3V, High-Bandwidth, 4-Bit, w/High Enables, 2 port	1.22	1.07	1.04	.97
729-PI3C3125ZJEX	PI3C3125ZJEX	QSOP	3.3V, High-Bandwidth, 4-Bit, w/High Enables, 2 port	1.50	1.35	1.19	.98
729-PI3C3126LE	PI3C3126LE	TSSOP	3.3V, High-Bandwidth, 4-Bit, w/High Enables, 2 port	1.29	1.14	1.12	1.03
729-PI3C3126QE	PI3C3126QE	QSOP	3.3V, High-Bandwidth, 4-Bit, w/High Enables, 2 port	1.09	.85	.78	.70
729-PI3C3861-ALE	PI3C3861-ALE	TSSOP	2.5/3.3V, High-Bandwidth, 10-Bit, 2 port	1.40	1.26	1.11	.91
729-PI3C3861-AQE	PI3C3861-AQE	QSOP	2.5/3.3V, High-Bandwidth, 10-Bit, 2 port	1.40	1.26	1.11	.91
729-PI3CH281QE	PI3CH281QE	QSOP	Low Voltage, High-Bandwidth, 2-Channel, 4:1 Multiplexer/Demultiplexer	1.22	1.07	1.04	.97
729-PI3VT3306LE	PI3VT3306LE	TSSOP	2-Bit, 2-Port, Low Voltage	.98	.84	.80	.75
729-PI5C16211AE	PI5C16211AE	TSSOP	24 Bit, 2-port	2.11	1.65	1.43	1.35
729-PI5C162861BE	PI5C162861BE	BQSOP	20-Bit Flow-through w/25 Ohm resistor. 2 Port	2.26	1.99	1.92	1.80
729-PI5C3125QE	PI5C3125QE	QSOP	4-Bit w/Individual Low Enables	1.02	.90	.86	.82
729-PI5C32161CAE	PI5C32161CAE	TSSOP	32:16 Multiplexer/Demultiplexer w/Slow enable time	4.89	4.32	4.17	3.91
729-PI5C3245QE	PI5C3245QE	QSOP	8 Bit, 2 Port	.71	.63	.60	.58
729-PI5C3253QE	PI5C3253QE	QSOP	Dual 4:1, Multiplexer/Demultiplexer	.71	.63	.60	.58
729-PI5C3257QE	PI5C3257QE	QSOP	Quad 2:1, Multiplexer/Demultiplexer	.71	.63	.60	.58
729-PI5C32X245BE	PI5C32X245BE	BQSOP	16 Bit, 2 Port	2.02	1.58	1.37	1.29
729-PI5C3301TEX	PI5C3301TEX	SOT23	1-Bit, 2 Port	.85	.77	.67	.55
729-PI5C3303TEX	PI5C3303TEX	SOT23	2:1 Multiplexer/Demultiplexer	.98	.86	.84	.78
729-PI5C3305LE	PI5C3305LE	TSSOP	2 Bit w/individual high enables, 2 Port	.98	.86	.84	.78
729-PI5C3306LE	PI5C3306LE	TSSOP	2 Bit w/individual high enables, 2 Port	.98	.86	.84	.78
729-PI5C3383QE	PI5C3383QE	QSOP	5 Bit, 4 Port Swabble Bus Switch	1.02	.90	.86	.82
729-PI5C3384QE	PI5C3384QE	QSOP	10 Bit, 2 Port	.71	.63	.60	.58
729-PI5C34X2245BE	PI5C34X2245BE	BQSOP	5V, 32 Bit, 2 Port	3.63	3.21	3.08	2.91
729-PI5C3861QE	PI5C3861QE	QSOP	10Bit, 2 Port	.71	.63	.60	.58

VIDEO SWITCHES

- High-bandwidth solutions
- Signal routing solutions for all video signals
- True bi-directional switching
- High quality and reliability with integrated ESD protection
- Compliant solutions based on third party "Authorized Testing Centers"

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Description	Price Each			
				1	25	100	250
729-PI2DBS412ZHE	PI2DBS412ZHE	TQFN	1.8V, 4-Differential Channel	3.82	3.44	3.06	2.87
729-PI2LVD412ZHE	PI2LVD412ZHE	TQFN	1.8V, Wide-Bandwidth,4-Channel	4.89	4.32	4.17	3.92
729-PI3HDMI1210BE	PI3HDMI1210BE	BQSOP	High Performance HDMI Signal Switch	2.98	2.68	2.38	2.24
729-PI3HDMI341ARTFFE	PI3HDMI341ARTFFE	LQFP	3:1 Active HDMI Switch	5.52	4.97	4.42	4.14
729-PI3HDMI412ADZBE	PI3HDMI412ADZBE	BQSOP	1:2 Active HDMI Switch	6.20	5.58	4.96	4.65
729-PI3HDMI412-BAE	PI3HDMI412-BAE	BQSOP	DVI/HDMI Compliant Signal Switch	3.92	3.46	3.33	3.13
729-PI3HDMI412FTBE	PI3HDMI412FTBE	BQSOP	DVI/HDMI Compliant Signal Switch	3.92	3.46	3.33	3.13
729-PI3V312LE	PI3V312LE	TSSOP	3-Channel, 3.3V, 2:1 Video Switch	.62	.56	.50	.47
729-PI3V312QE	PI3V312QE	QSOP	3-Channel, 3.3V, 2:1 Video Switch	.62	.56	.50	.47
729-PI3V314BE	PI3V314BE	BQSOP	3-Channel, 3.3V, 4:1 Video Switch	2.20	1.76	1.54	1.43
729-PI3V512QE	PI3V512QE	QSOP	5-Channel, 3.3V, 2:1 Video Switch	.90	.80	.75	.72
729-PI3V514BE	PI3V514BE	BQSOP	5-Channel, 3.3V, 4:1 Video Switch	3.28	2.62	2.29	2.14
729-PI5V330SWE	PI5V330SWE	SOIC	Quad 2:1 Multiplexer/Demultiplexer	1.08	.95	.92	6.00

LAN SWITCHES

- Supporting up to Gigabit Ethernet
- Backward Compatible to 10/100
- Bandwidths > 350 MHz per channel
- Low R-on and C-on
- Excellent Isolation & Unwanted Signal Rejection
- Used by Major Notebook Manufacturers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Description	Price Each			
				1	25	100	250
729-PI3L110QE	PI3L110QE	QSOP	3.3V ,Quad 2:1 Mux/Demux Lan	2.87	2.53	2.45	2.30
729-PI3L301DAE	PI3L301DAE	TSSOP	3.3v, 16Bit to 8Bit, Mux/Demux	3.19	2.81	2.70	2.55
729-PI3L500-AZFE	PI3L500-AZFE	TQFN	3.3V, 16-Bit to 8-Bit, Mux/DeMux Gigabit Ethernet LAN Switch	2.50	2.25	2.13	2.00
729-PI3L500ZFE	PI3L500ZFE	TQFN	3.3v, 8-Channel, 2:1 Mux/Demux	3.28	2.89	2.78	2.62
729-PI3L510ZFE	PI3L510ZFE	TQFN	3.3V, 8-Bit to 4-Bit, Mux/DeMux Fast Ethernet LAN Switch	2.84	2.56	2.41	2.27

PCI-EXPRESS SWITCHES

- 4 Port, 4 Lane and/or 4 Ports, up to 24 Lanes
- Cost efficient
- Customer programmable
- EEPROM configurable
- Advanced packaging

For quantities of 500 and up, call for quote.

729-PI2PCIE2412ZHE	PI2PCIE2412ZHE	TQFN	1.8V, PCI-Express Gen-2, 2-lane (4- channel), differential 2:1 mux/demux. Single enable	2.56	2.30	2.18	2.05
729-PI2PCIE412-DZHE	PI2PCIE412-DZHE	TQFN	Enhanced, 1.8V, PCI-Express Compliant, 4-Differential Channel, 2:1 Mux/DeMux Switch	6.08	5.61	5.14	4.68

USB SWITCHES

- Meets eye-pattern template for USB 2.0 standard

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Description	Price Each			
				1	25	100	250
729-PI3USB10LP-AZMEX	PI3USB10LP-AZMEX	TQFN	USB 2.0 High Speed Signal Switch	3.74	3.37	3.18	2.99
729-PI3USB10MZKEX	PI3USB10MZKEX	TQFN	3.3V, Wide Bandwidth, 2-Channel, 2:1 Mux/Demux USB 2.0 Switch	.76	.68	.65	.61
729-PI3USB10ZEEX	PI3USB10ZEEX	TDFN	3.3V, Wide Bandwidth, 2-Channel, 2:1 Mux/Demux USB 2.0 Switch	2.40	2.24	2.08	1.92

PERICOM Clock ICs, Interface, and LVDs

RoHS Compliant **This page of product is compliant.**

PERICOM
Enabling Serial Connectivity

CLOCK ICS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Desription	Price Each			
			1	25	100	250
729-PI6C48543LE	PI6C48543LE	3.3V, Low Skew Diff to LVDS Fanout Buffer	3.76	3.40	3.04	2.77
729-PI6C48545LE	PI6C48545LE	3.3V, Low Skew LVTTL/LVCMOS to LVDS Fanout Buffer	3.76	3.40	3.04	2.77
729-PI6C10804WE	PI6C10804WE	1.8V/2.5V, 250MHz, 1:4 Networking Clock Buffer	1.57	1.38	1.33	1.26
729-PI6C18551WE	PI6C18551WE	3.3V/5V 1to 4 Clock Buffer	1.96	1.73	1.67	1.57
729-PI6C20800SAE	PI6C20800SAE	3.3V, 100MHz Differential HCSL Clock Buffer	2.69	2.43	2.18	1.98
729-PI6C20800SVE	PI6C20800SVE	3.3V, 100MHz Differential HCSL Clock Buffer	2.69	2.43	2.18	1.98
729-PI6C21200AE	PI6C21200AE	3.3V, 400MHz Differential HCSL Clock Buffer	4.24	3.40	3.03	2.82
729-PI6C21200VE	PI6C21200VE	3.3V, 400MHz Differential HCSL Clock Buffer	4.25	3.40	2.98	2.77
729-PI6C48533-01LE	PI6C48533-01LE	3.3V, 4 Outputs, Differential to LVPECL Clock Buffer, Selectable inputs	3.72	3.28	3.18	2.98
729-PI6C48535-01LE	PI6C48535-01LE	3.3V, 4 Outputs, LVTTL/LVCMOS to LVPECL Clock Buffer with Selectable inputs	3.72	3.28	3.18	2.98
729-PI6CV2304LE	PI6CV2304LE	1:4 PCI (X) Clock Buffer	1.96	1.73	1.67	1.57
729-PI6CV2304WE	PI6CV2304WE	1:4 PCI (X) Clock Buffer	1.96	1.73	1.67	1.57
729-PI6CV304LE	PI6CV304LE	1:4 PCI (X) Clock Buffer	2.06	1.82	1.74	1.65
729-PI6CV304WE	PI6CV304WE	1:4 PCI (X) Clock Buffer	2.06	1.82	1.74	1.65
729-PI49FCT32805QE	PI49FCT32805QE	3805 with 25 ohm Resistor	7.45	6.57	6.33	5.96
729-PI49FCT32807HE	PI49FCT32807HE	3807 with 25 ohm Resistor	7.74	6.83	6.59	6.19
729-PI49FCT3805DQE	PI49FCT3805DQE	10 Output Non-inverting Clock	7.45	6.57	6.33	5.96
729-PI49FCT3807CQE	PI49FCT3807CQE	10-Output Non-Inverting Clock	5.28	4.66	4.51	4.23
729-PI49FCT3807QE	PI49FCT3807QE	10-Output Non-Inverting Clock	3.82	3.37	3.25	3.05
729-PI6C3421ATEX	PI6C3421ATEX	27 MHz Spread Spectrum Clock Synthesizer	1.26	1.14	1.02	.93
729-PI6C410MAE	PI6C410MAE	400MHz Clock Generator for Mobile PC	4.25	3.40	2.98	2.77
729-PI6C4511WE	PI6C4511WE	Wide Range 3.0V - 5V PLL Clock Multiplier	1.37	1.21	1.18	1.10
729-PI6C4512WE	PI6C4512WE	Wide Range 3.0V - 5V PLL Clock Multiplier	1.47	1.30	1.25	1.18
729-PI6C557-03LE	PI6C557-03LE	100MHz, 125MHz Dual PCIe Clock Generator	1.08	.95	.92	.86

VOLTAGE TRANSLATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Desription	Translator Description	Signal Translator	Price Each			
						1	25	100	250
729-PI90LV018AWE	PI90LV018AWE	SOIC	3V LVDS High Speed Differential Line Receiver	LVDS to LVTTL	I/O	1.80	1.50	1.19	.98
729-PI90LV028AWE	PI90LV028AWE	SOIC	3V LVDS High Speed Differential Line Receiver	LVDS to LVTTL	I/O	2.24	1.92	1.83	1.72
729-PI90LV032ALE	PI90LV032ALE	TSSOP	3V LVDS High Speed Differential Line Receiver	LVDS to LVTTL	I/O	6.39	5.33	4.26	3.79
729-PI90LV032AWE	PI90LV032AWE	SOIC	3V LVDS High Speed Differential Line Receiver	LVDS to LVTTL	I/O	3.73	3.20	3.02	2.85
729-PI90LV048ALE	PI90LV048ALE	TSSOP	Quad Flow-through LVDS Receiver	LVDS to LVTTL	I/O	2.74	2.50	2.36	2.28
729-PI4ULS3V08MZLE	PI4ULS3V08MZLE	TSSOP	8-bit Automatic Direction Sensing Voltage Translator	1.5V to 3.3V	Voltage	2.84	2.50	2.41	2.27
729-PI4ULS3V16AE	PI4ULS3V16AE	TSSOP	Universal Bi-directionalLevel	1.5V to 3.3V	Voltage	3.62	3.19	3.08	2.89

PCI BRIDGES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Voltage (Nom.)	Drive Capability	Prop Delay	I/O Tolerant	Pins	Price Each			
								1	25	100	250
729-PI7C21P100BNHE	PI7C21P100BNHE	CSBGA	133 MHz	64-bit	2	N/A	304	43.61	39.98	36.10	33.92
729-PI7C7300DNAE	PI7C7300DNAE	PBGA	66 MHz	32-bit	3	N/A	272	14.35	11.04	9.66	9.00
729-PI7C8140AMAE	PI7C8140AMAE	QFP	66 MHz	32-bit	2	N/A	128	13.90	12.94	12.43	11.81
729-PI7C8150BMAE	PI7C8150BMAE	FQFP	66 MHz	32-bit	2	N/A	208	13.90	12.94	12.43	11.81
729-PI7C8150BNDE	PI7C8150BNDE	PBGA	66 MHz	32-bit	2	N/A	256	9.10	8.47	8.08	7.73
729-PI7C8152BMAE	PI7C8152BMAE	MQFP	66 MHz	32-bit	2	N/A	160	19.50	18.16	17.41	16.57
729-PI7C9X110BNBE	PI7C9X110BNBE	LFBGA	66 MHz	32-bit	2	1	160	19.50	18.16	17.41	16.57

RE-DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Voltage (Nom.)	Drive	I/O Tolerant	Pins	Price Each			
							1	25	100	250
729-PI2EQX4401DZFE	PI2EQX4401DZFE	TQFN	1.8V	0:-4.5dB	Yes	36	4.89	4.52	4.14	3.89
729-PI2EQX4402DNBE	PI2EQX4402DNBE	LFBGA	1.8V	0:-4.5dB	Yes	84	6.55	6.05	5.54	5.21
729-PI3HDMI411ADZBE	PI3HDMI411ADZBE	TQFN	3.3V	- - -	Yes	56	4.72	4.36	3.99	3.75

LVDS

Drivers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Data Rate	Drive Capability	Type	Pins	Price Each			
							1	25	100	250
729-PI90LV017AWE	PI90LV017AWE	SOIC	400Mbps	4mA	Single LVDS Driver	8	1.80	1.50	1.19	.98
729-PI90LV027AWE	PI90LV027AWE	SOIC	400Mbps	4mA	Dual LVDS Driver	8	2.24	1.92	1.83	1.72
729-PI90LV031ALE	PI90LV031ALE	TSSOP	400Mbps	4mA	Quad LVDS Driver (EN)	16	6.39	5.33	4.26	3.79
729-PI90LV031AWE	PI90LV031AWE	SOIC	400Mbps	4mA	Quad LVDS Driver (EN)	16	3.73	3.20	3.02	2.85
729-PI90LV047ALE	PI90LV047ALE	TSSOP	660Mbps	4mA	Quad Flow through Driver	16	2.74	2.50	2.36	2.28

Transceivers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pericom Part No.	Package	Voltage (Nom.)	Drive Capability	Prop Delay	I/O Tolerant	Pins	Price Each			
								1	25	100	250
729-PI74STX2G425ZEEX	PI74STX2G4245ZEEX	TDFN	1.5V to 5V	-12/12mA	5	No	8	.80	.71	.68	.64
729-PI74AVC16425LAAE	PI74AVC164245LAAE	TSSOP	1.8V to 3.3V	-12/12mA	3	No	48	3.90	3.56	3.41	3.24
729-PI74HSTL1212AE	PI74HSTL1212AE	TSSOP	1.8V to 3.3V	-8/8mA	3	No	64	6.85	6.04	5.84	5.48
729-PI74LVC4245ALE	PI74LVC4245ALE	TSSOP	3.3V to 5V	-24/24mA	6.1	Yes	24	.78	.69	.67	.63

PLX TECHNOLOGY PCI Bridges and USB Controllers

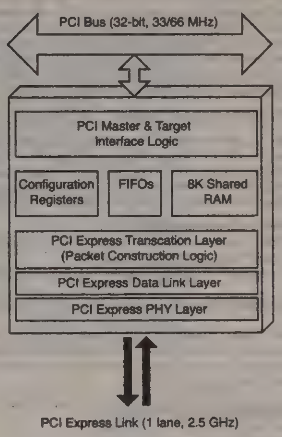
**Products may be RoHS compliant.
Check mouser.com for RoHS status.**

EXPRESSLANE™ PEX 8111 PCI EXPRESS TO PCI BRIDGE

The PEX 8111 can be used to quickly upgrade legacy PCI adapter board designs to be compatible with PCI Express standard interface slots. The PEX 8111 supports Reverse bridging, enabling designers to utilize the latest PCI Express silicon with widely entrenched PCI host systems. Reverse bridging allows the host processor to reside on the PCI bus; the PEX 8111 will accept configuration cycles from the PCI side and manage the PCI Express interface as a secondary entity within the PCI software model.

Specifications:
- Forward and reverse bridging
- 144-ball BGA package with standard
- 1.0 mm pitch (13mm x 13mm)
- Alternative fine-pitch BGA package (10mm x 10mm)
- Low power – 400 milliwatts
- EEPROM configuration option with SPI
- Internal 8Kbyte shared RAM
- 1.5 V core supply voltage
- Four (4) GPIO pins for max. design flexibility
- Extensive PME support including: D0, D0Active, D1, D2, D3Hot, and D3Cold
- x1 Link, dual-simplex, 2.5 Gbps per direction
- JTAG
- Lead-free packaging available
- PCI Express Base 1.0a compliant
- One virtual channel
- Automatic LVDS polarity reversal
- 128 byte maximum payload size
- Link CRC
- Link power management
- Flow control buffering
- PCI v.3.0: 32 bits, up to 66 MHz
- Internal arbiter supports up to 4 external masters; REQ#/GNT# signals
- PCI Power Management 1.1
- PCI Express transaction queues for eight (8) outstanding TLPs
- 3.3V I/O and 5V tolerant PCI
- Message Signal Interrupt (MSI) support
- Provides PCI clock output
- Four mailbox registers for messaging
- VGA and ISA Enable registers for legacy operation

PEX 8111 Block Diagram


PCI Bus (32-bit, 33/66 MHz)
PCI Master & Target Interface Logic
Configuration Registers
FIFOs
8K Shared RAM
PCI Express Transcation Layer (Packet Construction Logic)
PCI Express Data Link Layer
PCI Express PHY Layer
PCI Express Link (1 lane, 2.5 GHz)

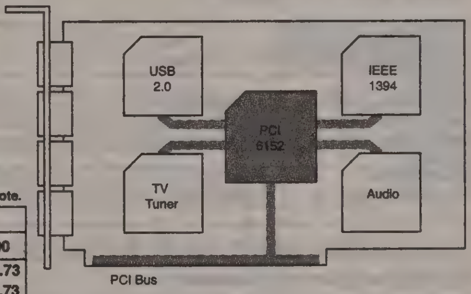
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PLX Part No.	Description	Price Each		
			1	50	100
862-PEX8111BB66FBC-F	PEX8111-BB66BC F	PCI Express to PCI Bridge, Standard BGA Package, Lead-Free	20.14	18.89	17.50
862-PEX8111-BB66BC-F	PEX8111-BB66FBC F	PCI Express to PCI Bridge, Fine-pitch BGA Package, Lead-Free	20.14	18.89	17.50
862-PEX8111-RDK-F	PEX8111RDK-F	Forward Bridge Reference Design Kit	495.00	—	—
862-PEX8111-RDK-R	PEX8111RDK-R	Reverse Bridge Reference Design Kit	495.00	—	—

FASTLANE™ PCI 6152 PCI-TO-PCI BRIDGE

PLX's FastLane PCI 6152 family is specially designed for applications that require high performance 32-bit PCI bus expansion. Add-in card designers can use the FastLane PCI 6152 to expand PCI connection capacity beyond the limitation of a single PCI device. Designers can use the FastLane PCI 6152 to build multi-device PCI cards such as RAID controllers and other multimedia applications.

Features:
- 32-bit, 33MHz or 66MHz synchronous operation
- 5V signal tolerance
- 15mm x 15mm TBGA
- Transparent bridge function
- PCI Bus Types
- Support for 4 bus masters
- 66MHz is AGP 2X Port Compatible



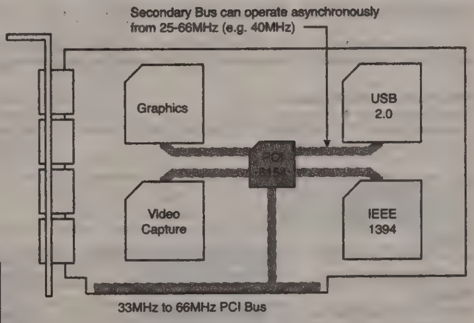
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PLX Part No.	Description	Price Each		
			1	50	100
862-PCI6152-CC33BC	PCI 6152-CC33BC	PCI 6152—33MHZ, PCI-to-PCI Bridge Chip (TBGA)	11.20	10.50	9.73
862-PCI6152-CC33BC-F	PCI6152-CC33BC-F	PCI6152—33MHz, PCI-to-PCI Bridge Chip (TBGA), Lead-Free	11.20	10.50	9.73
862-PCI6152-66RDK	PCI 6152-66RDK	PCI6152 Development Kit	495.00	—	—

FASTLANE™ PCI 6154 ASYNCHRONOUS FASTLANE™ PCI–TO–PCI BRIDGE

The PCI 6154 (HB2) asynchronous 64-bit 66MHz PCI-to-PCI bridge is designed for high performance, high availability applications in bus expansions, programmable data transfer rate control, frequency conversions from slower PCI to faster PCI or from faster PCI to slower PCI buses. The PCI 6154 has sophisticated buffer management and buffer configuration options designed to provide customizable performance optimization.

Specifications:
- 64-bit, 33MHz-66MHz
- Asynchronous operation
- 5V signal input tolerance and 5V-3.3V signal conversions
- 31mm x 31mm PBGA
- 1KB FIFO size
- PCI Bus Types
- Transparent Bridge Function
- Support for 9 Bus Masters
- Flow-Thru™ architecture for higher PCI-to-PCI bridging efficiency
- Intel 21154 pin compatible, plus enhanced features
- Independent external clock input option for secondary port output clocks
- Large 1K Byte buffer for efficient PCI-to-PCI bridging & speed conversion
- 9 pairs of REQ/GNT signals support up to 8 bus masters directly on secondary bus
- EEPROM support for extra register control
- Vital Product Data (VPD)
- 4 general purpose IO interface
- PME D3 wakeup power


Secondary Bus can operate asynchronously from 25-66MHz (e.g. 40MHz)
Graphics
USB 2.0
PCI 6154
Video Capture
IEEE 1394
33MHz to 66MHz PCI Bus

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PLX Part No.	Description	Price Each		
			1	50	100
862-PCI6154-BB66BC-G	PCI6154-BB66BC-G	PCI 6154 PCI-to-PCI Bridge Chip (PBGA), Lead-Free	28.00	26.25	24.33
862-PCI6154-RDK	PCI 6154RDK	PCI 6154 Development Kit	495.00	—	—

NETCHIP™ 2272 16-BIT USB 2.0 HIGH-SPEED PROGRAMMABLE PERIPHERAL CONTROLLER

NetChip's NET2270 16-bit USB 2.0 high-speed programmable peripheral controller is optimized for single or bi-directional data transfer devices such as printers, scanners, digital cameras, mass storage, and audio products. NET2270, the latest addition to our General Purpose USB Peripheral Controller family, complements our flagship, world's first NET2290 32-bit USB 2.0 highspeed peripheral controller.

USB Transceiver:
- Supports Full Speed (12 MHz) or High Speed (480MHz)
- Serial data transmitter and receiver
- Parallel data interface to SIE
- Single parallel data clock output with on-chip PLL to generate higher speed serial data clocks
- Data and clock recovery from USB serial data stream
- SYNC/EOP generation and checking
- Bit stuffing/unstuffing; bit stuff error detection
- Logic to facilitate Resume signaling
- Logic to facilitate Wake Up and Suspend detection
- Ability to switch between FS and HS terminations/signaling

Endpoint FIFOs:
- 4 Choices of preset configurations
- 2 Kbytes of configurable FIFO memory for endpoints
- Supports max packet size up to 1K bytes, double buffered

Serial Interface Engine (SIE):
- Interface between FIFOs and USB transceiver
- CRC generator and checker
- Packet identifier (PID) decoder
- Forced error conditions
- USB 2.0 Test Modes

USB Protocol Controller:
- Host to device communication
- USB bit level protocol (Serial Interface Engine)
- Automatic retry of failed packets
- Up to 3 Isochronous, Bulk or Interrupt endpoints, each with a configurable FIFO
- Configurable Control Endpoint 0
- Interface to FIFOs
- Simulated disconnect signaling allows device controlled enumeration
- Software control of USB suspend and root port reset detection
- Software control of device remote wakeup
- Software control of root port wakeup

NetChip
USB Technology

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PLX Part No.	Description	Price Each		
			1	50	100
862-NET2272-1A-LF	NET2272REV1A-LF	Local Bus to USB 2.0 High Speed Peripheral Controller – 10x10mm 64-Pin TQFP Package	11.20	10.50	9.73
862-NET2272-1A-BCF	NET2272REV1A-BC F	Local Bus to USB 2.0 High Speed Peripheral Controller – 6x6mm 64-Ball BGA Package	11.20	10.50	9.73
862-NET2272RDK-II	NET2272RDK-II	NET2272 RAPID Development Kit	249.00	—	—

PLX TECHNOLOGY PCI I/O Accelerators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

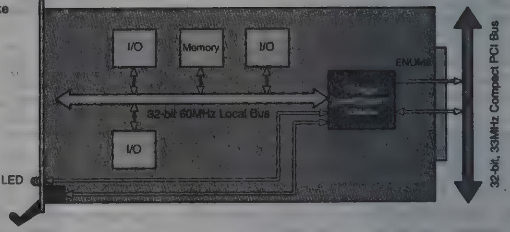
PLX Technology's PCI 9000 Series offers the most advanced, broadest range of general-purpose, PCI-to-local bus bridges available.
PLX Technology offers **two types of I/O Accelerators: Targets and Masters.** PCI Target I/O Accelerators support Direct Slave operations, allowing PCI bus master devices to access memory and other slave devices on a local bus. These 32-bit, 33MHz products include the PCI 9052 and PCI 9030. The PLX PCI Bus Master I/O Accelerators support Direct Slave operation, plus they add support for Direct Master operation, allowing processor/local bus master devices to access memory and other devices on the PCI bus. In addition, they support DMA, allowing masters on either bus to direct the chip to perform data transfers. The PCI Bus Master I/O accelerators from PLX Technology are ideal for intelligent peripheral devices and embedded hosts. The bus master products are available in 64-bit, 66MHz; 32-bit, 66MHz and 32-bit, 33MHz formats. These include the PCI 9656, PCI 9056 and the PCI 9054.

PCI-LOCALBUS 32-BIT TARGET I/O ACCELERATORS

PCI 9030 SMARTarget™ I/O Accelerator

The PCI 9030 with SMARTarget™ technology provides an array of features that define a new level of performance, flexibility and simplicity in PCI designs. A 32-bit, 33MHz PCI v.2.2-compliant device with burst transfers up to 132Mbytes/sec, the PCI 9030 delivers high performance to new PCI-based adapters and those migrating from legacy designs. The device's 60MHz local bus, 3V/5V operation, and programmable general-purpose I/Os (GPIOs) and chip selects bring unprecedented flexibility to a wide variety of memory and I/O devices. The combination of these features make adapters used in high-bandwidth applications, such as telecommunications and data communications interface cards, easier than ever to design.

Typical Compact PCI Hot Swap Adapter Card



9030 Performance Features:
- PCI v2.2 compliant 32-bit 33MHz Target Interface Chip enabling PCI Burst
- Transfers up to 132Mbytes/second.
- Up to 60MHz Local Bus operation enabling burst transfers up to 240Mbytes/second
- PCI Target Read Ahead Mode
- PCI Target Programmable Burst
- PCI Target Delayed Write
- Posted Memory Writes

PCI 9052 Target I/O Accelerator for Generic and ISA Local Bus Designs

The PCI 9052 provides low cost connectivity for PCI slave designs. It is specifically targeted at easing the transition of existing ISA designs to the more feature rich and performance oriented PCI bus. The PCI 9052 provides direct slave PCI functions by interfacing the adapter's I/O circuitry (control, address and data lines) to a host computer's microprocessor / memory architecture via the 32-bit PCI bus, which typically runs at 33 MHz.

9052 Performance Features:
- 32-bit, 33MHz PCI r2.1 compliant
- Up to 40MHz local bus operation
- ISA and Generic 32-bit, 40MHz local bus designs
- Glueless ISA interface for low cost adapters
- Supports multiplexed and non-multiplexed 8-, 16-, & 32-bit generic local buses
- 5V CMOS in 160-pin PQFP package
- PCI unlimited bursts transfers at up to 132MB/s
- Direct slave data transfers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PLX Part No.	Description	Price Each 1	50	100
PCI 9030					
862-PCI9030-AA60PI-F	PCI9030-AA60PI-F	PCI 3V SMARTarget I/O Accelerator (176 Pin PQFP) (Lead-Free)	23.18	21.74	20.14
862-PCI9030-AA60BI-F	PCI 9030-AA60BI-F	PCI 3V SMARTarget I/O Accelerator (180 Pin IBGA) (Lead-Free)	27.06	25.37	23.50
862-PCI9052RDK-LITE	PCI9052RDK-LITE	PCI 9030 Reference Design kit	895.00	–	–
PCI 9052					
862-PCI9052-G	PCI9052-G	PCI 5V I/O Accelerator (160 Pin PQFP) (Lead-Free)	23.18	21.74	20.14
862-PCI9030RDK-LITE	PCI9030RDK-LITE	PCI 9052 Reference Design kit	350.00	–	–

PCI-LOCALBUS 32-BIT MASTER I/O ACCELERATORS

PCI 9054 Bus Master I/O Accelerator Chip

The PCI 9054 is a next generation 32-bit PCI bus mastering interface chip that seamlessly connects to and takes full advantage of Motorola's MPC860 PowerQUICC® and MPC850 microprocessors. The PCI 9054 I/O Accelerator, the industry's first CompactPCI® Hot Swap Friendly PCI interface chip, expands PLX's 32-bit PCI product line for CompactPCI® and PCI-based telecommunications, networking and other high-bandwidth systems.

9054 Performance Features:
- PCI v2.2 compliant 32-bit 33MHz Bus Master Interface Controller enables PCI Burst Transfers up to 132Mbytes/second
- General Purpose Bus Master Interface featuring an advanced Data Pip Architecture™ which includes two DMA engines, pro-grammable Target and Initiator data transfer modes and PCI messaging functions
- PCI v2.2 Power Management Spec compatible
- PCI v2.2 Vital Product Data (VPD) configuration support

PCI 9056 Master Chip I/O Accelerator Chip

The PCI 9056 Master Chip – 32-bit, 66MHz PCI I/O accelerator is the most advanced, 32-bit general-purpose bus mastering device available for Motorola MPC850/860 PowerQUICC and generic 32-bit, 66MHz local bus based designs. The PCI 9056 incorporates PLX's industry leading Data Pipe Architecture technology, featuring DMA engines, programmable Direct Master and Direct Slave data transfer modes, and PCI messaging functions.

9056 Performance Features:
- 32-bit, 66MHz PCI r2.2 compliant
- Motorola PowerQUICC and generic 32-bit, 66MHz local bus modes
- 3.3V I/O, 5V tolerant bus interfaces
- PICMG 2.1 r2.0 Hot Swap Silicon
- 256-ball, 17 x 17 mm, 1.00 mm fine pitch PBGA (FPBGA)
- PCI bus bursts to 264 MB/sec
- Local bus bursts to 264 MB/sec

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PLX Part No.	Description	Price Each 1	50	100
PCI9054					
862-PCI9054-AC50BI-F	PCI9054-AC50BI-F	PCI to Local Bus Master I/O Accelerator Chip PBGA Package (Lead-Free)	32.48	30.45	28.22
862-PCI9054RDK-LITE	PCI9054RDK-LITE	PCI 9054 Rapid Development Kit	495.00	–	–
PCI9056					
862-PCI9056-BA66BI-G	PCI9056-BA66BI-G	66 MHz PCI Bus Mastering I/O Accelerator for Motorola PowerQUICC (Lead-Free)	39.66	37.19	34.46
862-PCI9054RDK-LITE	PCI9054RDK-LITE	PCI 9056 Rapid Development Kit	495.00	–	–

PCI 9080 I2O Compatible PCI Bus Master I/O Accelerator Chip

The PCI 9080 Master Chip is the standard in PCI I/O Accelerators. It incorporates all the features of the PCI 9060 Family of PCI products, while adding the options and features needed to keep ahead of the ever changing technology treadmill associated with PCI. In addition to providing the first processor independent I20 compliant messaging unit, the PCI 9080 is one of the first PCI interface chips to operate at both 3.3V and 5V.

862-PCI9080-3-G	PCI9080-3-G	66 MHz PCI Bus Mastering I/O Accelerator for PowerQUICC (Lead-Free)	51.52	48.30	44.76

PCI-LOCALBUS 64-BIT MASTER I/O ACCELERATORS

The PCI 9656 64-bit, 66MHz PCI I/O accelerator is the most advanced, general-purpose bus mastering device available for Motorola MPC850/860 PowerQUICC and generic 32-bit, 66MHz local bus based designs. The PCI 9656 incorporates PLX's industry leading Data Pipe Architecture technology, featuring DMA engines, programmable Direct Master and Direct Slave data transfer modes, and PCI messaging functions.

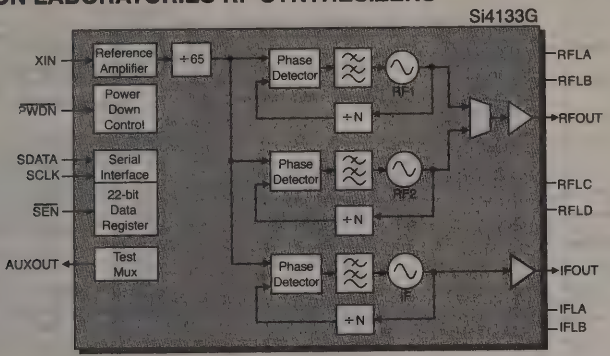
Features:
- 64-bit, 66MHz PCI r2.2 compliant
- Motorola PowerQUICC and generic 32-bit, 66MHz local bus modes
- 3.3V I/O, 5V tolerant bus interfaces
- PICMG 2.1 r2.0 Hot Swap Silicon
- 272-ball, 27 x 27 mm, 1.27 mm pitch PBGA
- Zero wait state burst operation PCI bus bursts to 528 MB/sec Local bus bursts to 264 MB/sec
- 2 DMA Channels Block and Scatter/Gather transfers DMA descriptor ring management Demand Mode and EOT Hardware controls GA
- PCI D3COLD Power Management Event (PME) generation support
- I2O r1.5 messaging unit
- Eight mailbox and two doorbell registers
- PCI arbiter supports 7 external masters
- Host mode reset/interrupt signal configuration

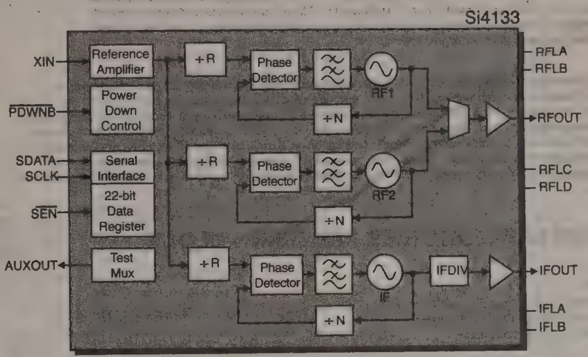
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PLX Part No.	Description	Price Each 1	50	100
862-PCI9656-BA66BI-G	PCI 9656-BA66BI-G	66 MHz PCI Bus Mastering I/O Accelerator for PowerQUICC (Lead-Free)	47.66	44.69	40.22
862-PCI9656RDK-LITE	PCI 9656RDK-LITE	PCI 9656 Rapid Development Kit	495.00	–	–

SILICON LABORATORIES RF Synthesizers and Modems

SILICON LABORATORIES RF SYNTHESIZERS


Si4133G
XIN
PWDN
SDATA
SCLK
SEN
AUXOUT
Reference Amplifier
÷65
Power Down Control
Serial Interface
22-bit Data Register
Test Mux
Phase Detector
Phase Detector
Phase Detector
RF1
RF2
IF
÷N
÷N
÷N
RFLA
RFLB
RFOUT
RFLC
RFLD
IFOUT
IFLA
IFLB


Si4133
XIN
PDWNB
SDATA
SCLK
SEN
AUXOUT
Reference Amplifier
Power Down Control
Serial Interface
22-bit Data Register
Test Mux
÷R
÷R
÷R
Phase Detector
Phase Detector
Phase Detector
RF1
RF2
IF
IFDIV
÷N
÷N
÷N
RFLA
RFLB
RFOUT
RFLC
RFLD
IFOUT
IFLA
IFLB

Silicon Laboratories' wireless solutions are the world's most integrated, robust, reliable and easiest to use wireless solutions available in the GSM/GPRS market today. By eliminating more discretes and requiring fewer external components than alternate solutions, Silicon Laboratories' products empower our customers to add value-rich features and speed time to market. Best of all, Silicon Laboratories' develops and designs these world-class products in proven, standard CMOS process technology. Generate high-frequency signals used in wireless communication devices.

Si4112: If Synthesizer Only (1F)
Si4113: Dual-Band Only (RF1 / RF2)
Si4122: Single-Band Only (RF2 / 1F)
Si4123: Single-Band Only (RF1 / 1F)
Si4133: Dual Band (RF1 / RF2 / 1F)
Si4126: WLAN (RF2 / 1F)
Si4136: WLPN (RF1 / RF2 / 1F)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Package	Description	RF1 (MHz)	RF2 (MHz)	IF (MHz)	Settling Time (μs)	Input RF (MHz)	Price Each		
									1	25	100
634-SI4112-D-GM	SI4112-D-GM	MLP-28	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	5.89	5.30	4.57
634-SI4112-D-GT	SI4112-D-GT	TSSOP-24	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	5.89	5.30	4.57
634-SI4113-D-GM	SI4113-D-GM	MLP-28	General Purpose	900 to 2050	750 to 1500 MHz	n/a	200	2 to 26	8.73	7.86	6.78
634-SI4113-D-GT	SI4113-D-GT	TSSOP-24	General Purpose	900 to 2050	750 to 1500 MHz	n/a	200	2 to 26	8.73	7.86	6.78
634-SI4122-D-GT	SI4122-D-GT	MLP-28	General Purpose	n/a	750 to 1500 MHz	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
634-SI4122-D-GM	SI4122-D-GM	TSSOP-24	General Purpose	n/a	750 to 1500 MHz	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
634-SI4123-D-GT	SI4123-D-GT	TSSOP-24	General Purpose	900 to 2050	n/a	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
634-SI4123-D-GM	SI4123-D-GM	MLP-28	GSM/GPRS	900 to 1800	n/a	500 to 1000	140	2 to 26	8.73	7.86	6.78
634-SI4126-F-GM	SI4126-F-BM	MLP-28	802.11b,g and ISM Band	n/a	2025 to 2300 MHz	62.5 to 1000	80	2 to 50	8.73	7.86	6.78
634-SI4133-D-GM	SI4133-D-GM	MLP-28	General Purpose	900 to 2050	750 to 1500 MHz	62.5 to 1000	200	2 to 26	10.89	9.80	8.45
634-SI4133-D-GT	SI4133-D-GT	TSSOP-24	General Purpose	900 to 2050	750 to 1500 MHz	62.5 to 1000	200	2 to 26	10.89	9.80	8.45
634-SI4136-F-GM	SI4133-F-GM	MLP-28	802.11b,g and ISM Band	2300 to 2500	2025 to 2300 MHz	62.5 to 1000	80	2 to 40	10.89	9.80	8.45
634-SI4136-F-GT	SI4136-F-GT	TSSOP-24	802.11b and ISM Band	2300 to 2500	2025 to 2300 MHz	62.5 to 1000	80	2 to 50	10.89	9.80	8.45

Evaluation Boards

For quantities of 25 and up, call for quote.

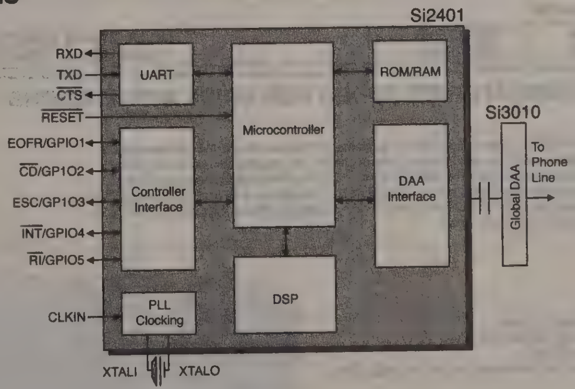
MOUSER STOCK NO.	SiLabs Part No.	Description	RF1(MHz)	RF2 (MHz)	IF (MHz)	Settling Time (Ns)	Input RF (MHz)	Price Each
634-SI4112M-EVB	SI4112M-EVB	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	225.00
634-SI4113M-EVB	SI4113M-EVB	General Purpose	900 to 1800	750 to 1500	62.5 to 1000	Prop. to Tø	2 to 26	225.00
634-SI4122M-EVB	SI4122M-EVB	General Purpose	n/a	750 to 1500	62.5 to 1000	200	2 to 26	225.00
634-SI4123M-EVB	SI4123M-EVB	General Purpose	900 to 2050	n/a	62.5 to 1000	200	2 to 26	225.00
634-SI4126M-EVB	SI4126M-EVB	802.11b and ISM Band	n/a	2025 to 2300	62.5 to 1000	80	2 to 50	225.00
634-SI4133M-EVB	SI4133M-EVB	General Purpose	900 to 2050	750 to 1500	62.5 to 1000	200	2 to 26	225.00
634-SI4136M-EVB	SI4136M-EVB	802.11b,g and ISM Band	2300 to 2500	2025 to 2300	62.5 to 1000	80	2 to 50	225.00

SILICON LABORATORIES ISOMODEM™ EMBEDDED MODEMS

Silicon Laboratories' embedded modem solutions are most feature rich, compact and flexible 2400 baud modems on the market. Available in two 16-pin SOIC packages, the SI2401 and SI2400 embedded modem solutions eliminate the need for a separate DSP data pump, modem controller, codec, isolation transformer, relay, opto-isolators and 2-4 wire hybrid.

Features:

- Simple AT command UART interface
- Globally compliant line interface
- Line-in-use and parallel phone intrusion detection
- Caller ID detection and decode


Si2401
RXD
TXD
CTS
RESET
EOFR/GPIO1
CD/GP1O2
ESC/GP1O3
INT/GPIO4
RI/GPIO5
CLKIN
UART
Microcontroller
ROM/RAM
Controller Interface
DAA Interface
DSP
PLL Clocking
XTALI
XTALO
Si3010
Global DAA
To Phone Line

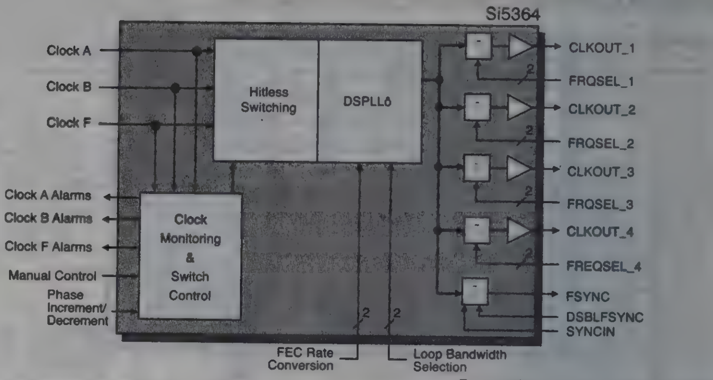
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Package	Line-Side Device	Max Data Rate	Voice Codec	Price Each		
							1	25	100
634-SI2401-FS	SI2401-FS	V.22bis modem chipset	SOIC - 16	SI3010-FS	2400 bps	No	24.11	24.11	14.33
634-SI2400-KS	SI2400-KS	V.22bis modem chipset	SOIC - 16	SI3015-KS	2400 bps	Yes	26.36	26.36	16.45
634-SI3010-FS	SI3010-FS	SI2401 Line Side Device	SOIC - 16	- - - - - -	- - - - - -	- - - - - -	4.80	4.80	3.70
634-SI3015-KS	SI3015-KS	SI2400 Line Side Device	SOIC - 16	- - - - - -	- - - - - -	- - - - - -	7.22	7.22	5.94
634-SI2401FS10-EVB	SI2401FS10-EVB	V.22bis modem evaluation board	PCB	SI3015-FS	2400 bps	No	150.00	150.00	150.00
634-SI2400URT-EVB	SI2400URT-EVB	V.22bis modem evaluation board	PCB	SI3015-KS	2400 bps	Yes	150.00	150.00	150.00

SILICON LABORATORIES Transceivers, Clocks & Audio Codec

Silicon Laboratories, based in Austin, Texas, designs and develops analog-intensive, mixed-signal integrated circuits (ICs) for a broad range of applications. Silicon Laboratories' diverse portfolio of highly-integrated, patented solutions is developed by a world-class engineering team with decades of cumulative expertise in mixed-signal technology.

Silicon Laboratories' diverse portfolio of both application specific and general purpose products serves a broad set of markets and applications. Silicon Laboratories' product portfolio includes high-performance microcontrollers, Aero™ GSM/GPRS transceivers, GSM/GPRS power amplifier, RF synthesizers, silicon direct access arrangements (DAAs), ISOmodem® embedded modems, ProSLIC® subscriber line interface circuits, DSL analog front end ICs, voice codecs, SiPHY™ optical networking transceivers, clock and data recovery ICs and precision clock ICs. Silicon Laboratories' solutions are designed into consumer, industrial, automotive and communications products worldwide including wireless handsets, digital video recorders and central office equipment.



SILICON LABORATORIES PRECISION CLOCK

Features:

- Jitter generation less than 0.3 psRMS (typ OC-192)
- Forward and reverse FEC clock scaling
- Selectable loop filter bandwidths

ICs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each		
			1	25	100
634-SI5310-BM	SI5310-BM	Precision Clock Multiplier/Regenerator, 155 MHz, 622 MHz	18.29	17.41	16.59
634-SI5318-G-BC	SI5318-G-BC	SONET/SDH Precision Clock Multiplier/Jitter Attenuator IC, 19 or 155 MHz Output Clock	18.29	17.41	16.59
634-SI5320-G-BC	SI5320-G-BC	SONET/SDH Clock Multiplier/Jitter Attenuator, 19 MHz, 155 MHz, 622 MHz Output, 15/14 Scaling	91.80	91.80	68.85
634-SI5321-G-BC	SI5321-G-BC	SONET/SDH Clock Multiplier/Jitter Attenuator, 19 MHz to 2.5 GHz Output, G.709 FEC and 66/64 Scaling	110.15	110.15	82.62
634-SI5364-G-BC	SI5364-G-BC	SONET/SDH Clock Multiplier/Jitter Attenuator, Auto Hitless Switching, Four Outputs at 19 MHz, 155 MHz or 622 MHz	149.28	149.28	114.94

Evaluation Boards

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each
634-SI5310-EVB	SI5310-EVB	Precision Clock Multiplier/Regenerator, 155 MHz, 622 MHz	350.00
634-SI5320-EVB	SI5320-EVB	SONET/SDH Clock Multiplier/Jitter Attenuator, 19 MHz, 155 MHz, 622 MHz Output, 15/14 Scaling	350.00
634-SI5321-EVB	SI5321-EVB	SONET/SDH Clock Multiplier/Jitter Attenuator, 19 MHz to 2.5 GHz Output, G.709 FEC and 66/64 Scaling	350.00
634-SI5364-EVB	SI5364-EVB	SONET/SDH Clock Multiplier/Jitter Attenuator, Auto Hitless Switching, Four Outputs at 19 MHz, 155 MHz or 622 MHz	350.00

SILICON LABORATORIES CLOCK AND DATA RECOVERY ICS

Features:

- Multi-rate operation: OC-3/12/48, STM-1/4/16, GbE and 2.7 Gbps
- Low jitter generation; low power operation
- DSPLLTM technology eliminates external loop filter components

ICs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each		
			1	25	100
634-SI5010-BM	SI5010-BM	OC-12/3, STM-4/1 SONET/SDH, 2.5 V	24.03	24.03	16.06
634-SI5013-BM	SI5013-BM	OC-12/3, STM-4/1 SONET/SDH, with limiting amp, 3.3 V	26.29	26.29	17.61
634-SI5020-BM	SI5020-BM	OC-48/12/3, STM-16/4/1 SONET/SDH, GbE, 2.7 Gbps, 2.5 V	69.39	69.39	52.17
634-SI5023-BM	SI5023-BM	OC-48/12/3, STM-16/4/1 SONET/SDH, GbE, 2.7 Gbps, with limiting amp, 3.3 V	76.33	76.33	57.39

Evaluation Boards

For quantities of 25 and up, call for quote.

			Price Each
634-SI5010-EVB	SI5010-EVB	OC-12/3, STM-4/1 SONET/SDH, 2.5 V	350.00
634-SI5020-EVB	SI5020-EVB	OC-48/12/3, STM-16/4/1 SONET/SDH, GbE, 2.7 Gbps, 2.5 V	500.00

SIPHY™ HIGH-SPEED TRANSCEIVERS

Features:

- Integrated limiting amplifier, CDR, CMU and MUX/DEMUX
- Low jitter generation: <2.0 mUIRMS (typ OC-48)
- Jitter attenuating CMU eliminates the external clean-up PLL
- Low power operation

ICs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each		
			1	25	100
634-SI5100-G-BC	SI5100-G-BC	OC-48, STM-16 SONET/SDH Transceiver, 1:16 Deserializer and 16:1 Serializer	174.22	174.22	130.67
634-SI5110-G-BC	SI5110-G-BC	OC-48, STM-16 SONET/SDH Transceiver, 1:4 Deserializer and 4:1 Serializer	174.22	174.22	130.67

Evaluation Boards

For quantities of 25 and up, call for quote.

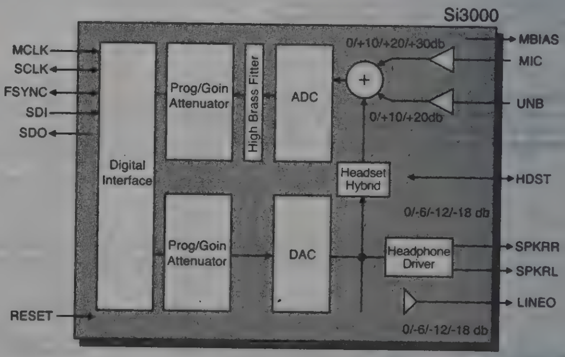
			Price Each
634-SI5100-EVB	SI5100-EVB	OC-48, STM-16 SONET/SDH Transceiver, 1:16 Deserializer and 16:1 Serializer	350.00
634-SI5110-EVB	SI5110-EVB	OC-48, STM-16 SONET/SDH Transceiver, 1:4 Deserializer and 4:1 Serializer	350.00

SILICON LABORATORIES CODEC FOR VOICE APPLICATIONS

Silicon Laboratories' Si3000 is a highly integrated, programmable, feature rich, and low cost voice band audio CODEC. Applications include handsets and speakerphones for computer telephony, PC modems, web phones, and Fax/MFP machines. The Si3000's digital interface allows direct connection to Silicon Laboratories' serial interface DAAs, or to a wide range of DSPs. Available in a 16-pin SOIC package, the Si3000 dramatically reduces external BOM components such as speaker drivers, bias circuits, and the handset hybrid to reduce total solution cost.

Features:

- Integrated microphone amplifier
- Integrated headphone and speaker drivers
- Integrated handset hybrid
- Serial interface for direct connection to DSP or a Silicon DAA



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	ADC/DAC Range	Integrated Mic Bias Circuit	Integrated Speaker Driver	Integrated Handset	Price Each		
							1	25	100
634-SI3000-C-FS	SI3000-C-FS	VoiceBand CODEC	84 dB	yes	yes	yes	1.89	1.81	1.75
634-SI3000SSI-EVB	SI3000SSI-EVB	Eval board with serial interface for to another EVB or app board	84 dB	yes	yes	yes	150.00	150.00	150.00
634-SI3000PPT-EVB	SI3000PPT-EVB	Eval board with parallel port for connection to a PC (includes Windows-based SW)	84 dB	yes	yes	yes	175.00	175.00	175.00

SMSC Interface ICs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

SMSC
SUCCESS BY DESIGN

ETHERNET CONTROLLERS

Features:
- Lower system costs and overhead by eliminating the need for a PCI bus.
- Comprehensive set of tools for implementation of Non-PCI Ethernet connectivity.
- Dependable supply source with thirty plus years supporting long product cycles.
- Ethernet controllers offer lower system costs and overhead by eliminating the need for a PCI bus.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SMSC Part No.	Package	Description	Price Each		
				1	25	100
886-LAN83C185-JT	LAN83C185-JT	64 TQFP	Low Power 10/100 3.3V PHY	4.95	2.95	2.85
886-LAN91C111I-NS	LAN91C111I-NS	128 QFP	Non-PCI 10/100 Ethernet MAC with Integrated PHY - Industrial Temperature	24.25	18.95	17.65
886-LAN91C111I-NU	LAN91C111I-NU	128 VTQFP	Non-PCI 10/100 Ethernet MAC with Integrated PHY - Industrial Temperature	24.35	20.15	19.23
886-LAN91C111-NS	LAN91C111-NS	128 QFP	Non-PCI 10/100 Ethernet MAC with Integrated PHY	21.95	17.25	16.20
886-LAN91C111-NU	LAN91C111-NU	128 VTQFP	Non-PCI 10/100 Ethernet MAC with Integrated PHY	24.25	18.95	17.65
886-LAN9115-MT	LAN9115-MT	100 TQFP	Highly Efficient Single-Chip 10/100 Non-PCI Ethernet Controller (16-Bit)	12.45	9.25	8.85
886-LAN9118-MT	LAN9118-MT	100 TQFP	High-Performance Single-Chip 10/100 Non-PCI Ethernet Controller	19.95	16.29	15.25
886-LAN91C96-MU	LAN91C96-MU	100 VTQFP	Non-PCI 10 Mbps Ethernet MAC with Integrated PHY	17.68	13.15	12.05

ARCNET CONTROLLERS

ARCNET has many characteristics that make it ideal for industrial and embedded networking environments. This is due to the deterministic nature of ARCNET, its high reliability and fault tolerance, and its adaptability to a wide variety of cabling media and configurations. SMSC is the market leader in ARCNET devices and has a full spectrum of solutions to meet any customer's price and performance needs.

Some of the key features are minimal Software Requirements and Low Processor Overhead, Fast and Deterministic Performance, A43Logical Ring, Robust Message Passing, Automatic Reconfiguration, Broadcast Messages, Unmatched Cabling Options, Flexibility for Long Networks, Network Interface Modules, Use of Hubs, Passive Hubs, Active Hubs, Applying ARNET.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SMSC Part No.	Package	RAM	Data Rate	Operating Temp Range	Price Each		
						1	25	100
886-COM20020I-DZD	COM20020I-DZD	28-PIN PLCC	2KX8 dual port	5 Mbps	40c to 80c	16.95	15.45	14.20
886-COM20020I3V-DZD	COM20020I3V-DZD	28-PIN PLCC	2KX8 dual port	5 Mbps	40c to 80c	16.95	15.45	14.20
886-COM20019I-DZD	COM20019I-DZD	28-PIN PLCC	2KX8 dual port	5 Mbps	40c to 80c	9.85	8.15	7.45

USB HUB CONTROLLERS

NEW FROM SUPPLIER

Features:
- Ensured compliance with international ESD standard (IEC61000-4-2 Level 4)
- Low capacitance, suitable for high-speed signal lines

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SMSC Part No.	Package	Transfer Rate (USB 2.0)	Port Hub	Input Tolerance	Volt I/O	Price Each		
							1	25	100
886-USB2502-AEZG	USB2502-AEZG	36 QFN	480Mbps	2-Port	5V	3.3 Volt	4.75	3.05	2.68
886-USB2512-AEZG	USB2512-AEZG	36 QFN	480Mbps	2-Port	3V	5.5 Volt	2.34	2.12	1.98
886-USB2503A-HZH	USB2503A-HZH	48 QFN	480Mbps	3-Port	5V	3.3 Volt	5.25	4.45	3.95
886-USB2504A-JT	USB2504A-JT	64 TQPF	480Mbps	4-Port	5V	3.3 Volt	5.85	4.25	4.05
886-USB2507-ADT	USB2507-ADT	80 TQFP	480Mbps	7-Port	5V	3.3 Volt	8.32	6.25	5.92

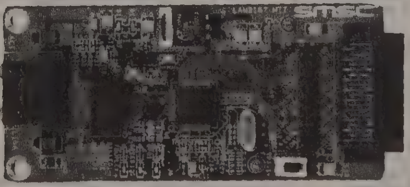
USB TRANSCEIVERS

Features:
- Includes full support for the optional On-The-Go (OTG) protocol
- Functional as a host, device or OTG PHY
- Internal 1.8 volt regulators allow operation from a single 3.3 volt supply

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	SMSC Part No.	Package	Interface	Operating Temperature	Price Each		
					1	25	100
886-USB3300-EZK	USB3300-EZK	32 Pin QFN	USB 2.0 ULPI	-40°C to +85°C	2.15	1.35	1.15
886-USB3500-ABZJ	USB3500-ABZJ	56 Pin QFN	USB 2.0 UTMI + Interface	0°C to +70°C	2.45	1.95	1.65

EVALUATION BOARDS



Features:
- Easy use software development boards.
- Enables a flexible and modular system design.
- Deterministic and reliable protocol.

For quantities of 25 and up, call for quote.

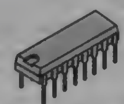
MOUSER STOCK NO.	SMSC Part No.	Product Family	Description	Price Each
886-EVB9118-MINI	EVB9118-MINI	Networking Evaluation	LAN9118 Mini Development Card	154.00
886-EVB-2502	EVB-2502	USB Evaluation Board	Evaluation Board - USB2502	102.00
886-EVB2504	EVB2504	USB Evaluation Board	Evaluation Board - USB2504	159.00
886-EVB-EMC1043	EVB-EMC1043	Monitoring Device Evaluation	Evaluation Board - EMC1043	115.00

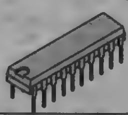
STMICROELECTRONICS Data Transmission and Drivers

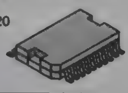
Products may be RoHS compliant.
Check mouser.com for RoHS status.

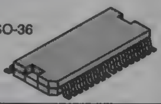
STMicroelectronics

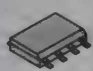
DIP-8

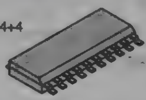

DIP-16

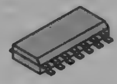

DIP-20

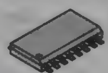

PowerSO-20

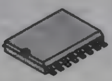

PowerSO-36

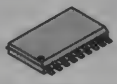

SO-8

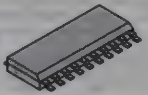

SO-12+4+4

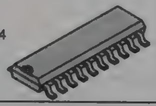

SO-14

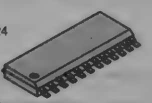

SO-16

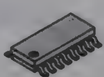

SO-16L


SO-18


SO-20


SO-24


SSOP-24


TSSOP-16

STMICROELECTRONICS DATA TRANSMISSION

RS-232

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Data Rate (Min/Typ) (kbps)	ICC (Typ) (mA)	Ext. Cap. (uF)	No.Of Ext. Cap.	ESD Protect	Temperature Range (°C)	Price Each		
												1	10	100
Surface Mount														
511-ST3232BD	ST3232BD	SO-16	3.0	2	2	-----/250	0.3	0.1	4	- - - - -	-40 to +85	2.58	2.54	2.21
511-ST3232BT	ST3232BTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	- - - - -	-40 to +85	1.98	1.95	1.80
511-ST3232CD	ST3232CD	SO-16	3.0	2	2	-----/250	0.3	0.1	4	- - - - -	0 to +70	1.69	1.66	1.53
511-ST3232CT	ST3232CTR	TSSOP-16	3.0	2	2	-----/250	0.3	0.1	4	- - - - -	0 to +70	1.69	1.66	1.53
511-ST3232CWR	ST3232CWR	SO-16L	3.0	2	2	-----/250	0.3	0.1	4	- - - - -	0 to +70	1.96	1.53	1.36
511-ST202BD	ST202BD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	-40 to +85	1.19	1.17	1.08
511-ST202EBDR	ST202EBDR	SO-16	5.0	2	2	-----/400	1.5	0.1	4	15kV	-40 to +85	1.50	1.17	1.04
511-ST232ABD	ST232ABD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	-40 to +85	1.09	1.08	.99
511-ST232ACD	ST232ACD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	0 to +70	1.09	1.08	.99
511-ST232ACW	ST232ACW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	0 to +70	1.09	1.08	.99
511-ST232BD	ST232BD	SO-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	-40 to +85	1.29	1.27	1.17
511-ST232CDR	ST232CDR	SO-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	0 to +70	1.29	1.27	1.17
511-ST232CW	ST232CW	SO-16L	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	0 to +70	1.29	1.27	1.17
511-ST207ECP	ST207ECPR	SSOP-24	5.0	5	3	-----300	11	0.1	4	15kV	0 to +70	1.69	1.66	1.53
Thru Hole														
511-ST3232EBN	ST3232EBN	DIP-16	3.0	2	2	-----/250	0.3	0.1	4	15kV	-40 to +85	2.58	2.54	2.21
511-ST202EBN	ST202EBN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	15kV	-40 to +85	1.29	1.27	1.17
511-ST202ECN	ST202ECN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	15kV	0 to +70	1.29	1.27	1.17
511-ST232ABN	ST232ABN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	-40 to +85	1.09	1.08	.99
511-ST232ACN	ST232ACN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	0 to +70	1.09	1.08	.99
511-ST232BN	ST232BN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	-40 to +85	1.29	1.27	1.17
511-ST232CN	ST232CN	DIP-16	5.0	2	2	-----/400	1.5	0.1	4	- - - - -	0 to +70	1.29	1.27	1.17
511-ST232EBN	ST232EBN	DIP-16	5.0	5	5	-----/400	5	1	4	15kV	-40 to +85	1.29	1.27	1.17
511-ST232ECN	ST232ECN	DIP-16	5.0	5	5	-----/400	5	1	4	15kV	0 to +70	1.29	1.27	1.17

RS-422

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Output State	ICC (Typ) (mA)	VOL (Min) (V)	VOL (Max) (V)	Prop.Delay In-out (typ)(ns)	Temperature Range (°C)	Price Each		
												1	10	100
Surface Mount														
511-ST26C31BDR	ST26C31BDR	SO-16	5.0	4	- - - - -	Tri-State	0.8	2.5	0.5	6	-40 to +85	.55	.43	.38
Thru Hole														
511-ST26C31BN	ST26C31BN	DIP-16	5.0	4	- - - - -	Tri-State	0.8	2.5	0.5	6	-40 to +85	.49	.45	.41
511-ST26C32ABN	ST26C32ABN	DIP-16	5.0	- - - - -	4	Tri-State	16	3.8	0.3	19	-40 to +85	.54	.53	.49

RS-485

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	No. of Drivers	No. of Rcvrs	Output State	ICC (Typ) (mA)	VOL (Min) (V)	VOL (Max) (V)	Prop.Delay In-out (typ)(ns)	Temperature Range (°C)	Price Each		
												1	10	100
Surface Mount														
511-ST485BD	ST485BD	SO-8	5.0	1	1	- - - - -	0.3	3.5	0.4	30	-40 to +85	1.43	1.41	1.30
511-ST485CD	ST485CD	SO-8	5.0	1	1	- - - - -	0.3	3.5	0.4	30	0 to +70	1.89	1.86	1.71
Thru Hole														
511-ST485EBN	ST485EBN	DIP-8	5.0	1	1	- - - - -	0.3	3.5	0.4	30	-40 to +85	2.88	2.83	2.47
511-ST485BN	ST485BN	DIP-8	5.0	1	1	- - - - -	0.3	3.5	0.4	30	-40 to +85	1.29	1.27	1.17
511-ST485CN	ST485CN	DIP-8	5.0	1	1	- - - - -	0.3	3.5	0.4	30	0 to +70	1.89	1.86	1.71
511-ST75C176BN	ST75C176BN	DIP-8	5.0	1	1	- - - - -	0.4	-----	-----	30	-40 to +85	2.08	2.05	1.79

USB

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage Range (V)	Output Curr.Limit Max.(A)	Quiescent Sup. Current Max.(uA)		Turn On Time (Typ)(uS)	TurnOff Time (Typ)(uS)	On-Resist. (Max.)		Temp. Range (°C)	Price Each		
					On	Off			4.5V	3.0V		1	10	100
Surface Mount														
511-ST2042BD	ST2042BD	SO-8	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +85	.96	.94	.87
511-ST2042BDR	ST2042BDR	SO-8	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +85	.82	.80	.74
511-ST2044BD	ST2044BD	SO-16	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +125	.96	.94	.87
511-ST2044BDR	ST2044BDR	SO-16	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +125	.82	.80	.74
511-ST2054BDR	ST2054BDR	SO-16	-0.3 to 6.0	1.3	20	40	120	-----	145	-----	-40 to +125	.82	.80	.74
511-ST890BD	ST890BD	SO-8	-0.5 to 6.0	1.2	25	1	25	2	120	130	-40 to +85	2.40	2.15	1.80
511-ST890CD	ST890CD	SO-8	-0.5 to 6.0	1.2	25	2	-----	120	-----	130	0 to +70	2.26	2.03	1.70

STMICROELECTRONICS SURFACE MOUNT DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current Typ./Max (mA)	Drivers Per Pack.	Propagation Delay Time Typ/Max (ns)	Temp. Range (°C)	Price Each		
									1	10	100
511-STP16C596MTR	STP16C596MTR	SO-24	16-bit const. curr. LED sink driver	0 to 7.0	5.7/7.7	-----	----/----	-40 to +125	1.67	1.64	1.67
511-L6384D	L6384D	SO-8	High voltage half bridge driver	-0.3 to 14.6	---/25	1	200/300	-45 to +120	2.97	2.93	2.97
511-L6385D013TR	L6385D013TR	SO-8	High voltage BCD "OFF-LINE"	-0.3 to 18	---/---	2	105/110	-50 to 150	1.93	1.90	1.93
511-L6506D	L6506D	SO-20	Current controller for stepping motor	4.5 to 7	---/25	1	----/----	-40 to +150	3.81	3.75	3.81
511-L297D	L297D	SO-20	Stepper motor controller driver	10	---/80	4	----/----	-40 to +150	8.12	8.00	8.12
511-E-L6385D	E-L6385D	SO-8	High voltage high & low side driver	17	---/---	1	----/----	-45 to +125	2.23	1.75	1.55
511-TD350ID-TR	TD350IDT	SO-14	Advanced IGBT/MOSFET driver	28	---/1000	1	----/----	-40 to +125	2.18	2.15	2.18
511-L293DD	L293DD	SO-12+4+4	Push-pull DTL/TTL comp. driver	36	---/1.2	4	----/----	-40 to +150	3.95	3.89	3.95
511-E-L6258E	E-L6258E	PowerSO-36	DMOS universal motor driver	45	---/15	2	----/----	-55 to +150	8.91	8.78	8.91
511-E-L298P	E-L298P	PowerSO-20	Dual full bridge driver	50	---/4	2	----/----	-40 to +150	5.64	5.09	4.04
511-L6201	L6201	SO-20	DMOS full bridge driver	52	---/5	1	----/----	-40 to +150	7.73	7.61	7.73
511-E-L6201PS	E-L6201PS	PowerSO-20	DMOS full bridge driver	52	---/5	1	----/----	-40 to +150	7.57	7.45	7.57
511-L6234PD	L6234PD	PowerSO-20	Triple half bridge for motor driver	52	6.5/---	3	----/----	-40 to +150	9.51	9.36	9.51
511-L6235PD	L6235PD	PowerSO-36	Three-phase brushless DC motor	52	5/10	1	----/----	-40 to +150	14.80	13.59	14.80
511-E-L6205PD	E-L6205PD	PowerSO-20	DMOS full bridge driver	52	---/10	2	----/----	-40 to +150	10.10	7.07	6.57
511-L6206PD	L6206PD	PowerSO-36	DMOS full bridge driver	52	5/10	2	----/----	-40 to +150	11.08	10.17	11.08
511-L6206D	L6206D	SO-24	DMOS full bridge driver	52	---/10	2	----/----	-40 to +150	9.51	9.36	9.51
511-L6235D	L6235D	SO-24	Three-phase brushless DC motor	52	5/10	3	----/----	-40 to +150	13.08	12.01	13.08
511-E-L6207PD	E-L6207PD	PowerSO-36	DMOS full bridge driver	52	---/7000	2	----/----	-40 to +150	11.25	10.45	11.25
511-L6208PD	L6208PD	PowerSO-36	DMOS stepper motor driver	52	---/2800	2	----/----	-40 to +150	13.94	12.80	13.94
511-E-L6208D	E-L6208D	SO-24	DMOS stepper motor driver	52	---/2800	2	----/----	-40 to +150	13.04	11.97	13.04

STMICROELECTRONICS Drivers, Receivers and Timers

STMicroelectronics

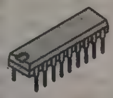
Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIP-8

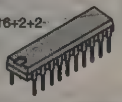
DIP-14

PWRDIP-12+2+2
PWRDIP-16
DIP-16

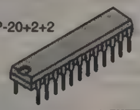
DIP-18



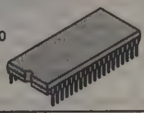
PWRDIP-16+2+2
DIP-20



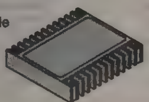
PWRDIP-20+2+2



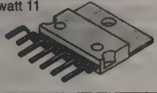
DIP-40



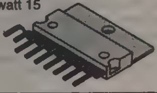
Module



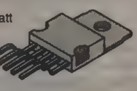
Multiwatt 11



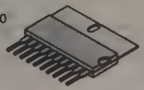
Multiwatt 15



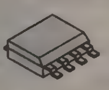
Pentawatt



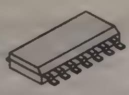
SIP-10



SO-8



SO-14



TSSOP-8

STMICROELECTRONICS THRU HOLE DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current Typ./Max (mA)	Drivers Per Pack.	Propagation Delay Time Typ/Max (ns)	Temp. Range (°C)	Price Each		
									1	10	100
511-TDA0161DP	TDA0161DP	DIP-8	Proximity detectors	4 to 35	10/12	1	----/----	-55 to +150	2.58	2.54	2.58
511-L6506	L6506	DIP-18	Current controller for stepping motor	4.5 to 7	---/25	1	----/----	-40 to +150	3.57	3.51	3.57
511-M5451B7	M5451B7	DIP-40	LED display driver (35 outputs)	4.75 to 13.2	---/7	1	----/----	-25 to +85	2.58	2.54	2.58
511-M5481B7	M5481B7	DIP-20	LED display driver (2-digit, 14 seg)	4.75 to 13.2	---/7	1	----/----	-25 to +85	2.28	2.25	2.28
511-E-TEA3717DP	E-TEA3717DP	PWRDIP-12+2+2	Stepper motor driver	5	---/25	1	----/----	0 to +70	1.69	1.66	1.69
511-E-L6220	E-L6220	PWRDIP-12+2+2	Quad darlington switch	5.5	1.8	4	----/----	-40 to +150	1.83	1.80	1.83
511-L297	L297/1	DIP-20	Stepper motor controller driver	10	---/80	4	----/----	-40 to +150	8.52	8.39	8.52
511-MC1488P	MC1488P	DIP-14	RS-232C quad line driver	15	-2.5 to 12	4	275/350	0 to +75	.29	.27	.29
511-L149V	L149V	Pentawatt	General purpose power booster	+/- 20	---/0.4	1	----/----	-40 to +150	2.38	2.34	2.38
511-TD351IN	TD351IN	DIP-8	Advanced IGBT/MOSFET driver	28	---/1000	1	----/----	-40 to +125	1.19	1.17	1.19
511-E-L293D	E-L293D	PWRDIP-12+2+2	Push-pull DTL/TTL compatible driver	36	---/1.2	4	----/----	-40 to +150	3.28	2.96	2.35
511-L292	L292	Multiwatt-15	Switch-mode driver	36	---/2	1	----/----	-40 to +150	5.13	5.06	5.13
511-E-L293B	L293B	DIP-16	Push-pull TTL compatible driver	36	---/2	4	----/----	-40 to +150	3.28	2.96	2.35
511-E-L6219	L6219	PWRDIP-20+2+2	Stepper motor driver	46	8/15	1	----/----	-55 to +150	2.28	2.25	2.28
511-E-L6202	L6202	PWRDIP-12+3+3	DMOS full bridge driver	48	10/15	2	----/----	-40 to +150	7.43	7.32	7.43
511-E-PBL3717A	PBL3717A	PWRDIP-12+2+2	Bipolar stepper motor driver	50	---/1	1	----/----	0 to +70	1.59	1.56	1.59
511-L295	L295	Multiwatt-15	Dual switch-mode solenoid driver	50	---/2.5	2	----/----	-40 to +150	6.44	6.34	6.44
511-L294	L294	Multiwatt-11	Switch-mode solenoid driver	50	---/4	1	----/----	-40 to +150	3.65	3.59	3.65
511-L298HN	L298HN	Multiwatt-15	Dual full bridge driver	50	---/4	2	----/----	-40 to +150	4.56	4.49	4.56
511-E-L298N	E-L298N	Multiwatt-15	Dual full bridge driver	50	---/4	2	----/----	-40 to +150	4.95	4.88	4.95
511-TDE1767DP	TDE1767DP	DIP-8	Relay, lamp & stepping motor driver	50	5.8/8	1	----/----	-25 to +85	6.14	6.05	6.14
511-TDE1798DP	TDE1798DP	DIP-8	Intelligent switch driver	50	6.5/8	1	----/----	-25 to +85	5.51	5.43	5.51
511-E-L6203	E-L6203	Multiwatt-11	DMOS full bridge driver	52	---/5	1	----/----	-40 to +150	11.27	8.13	6.37
511-L6205N	L6205N	PWRDIP-16+2+2	DMOS full bridge driver	52	---/10	2	----/----	-40 to +150	9.37	9.23	9.37
511-L6208N	L6208N	PWRDIP-16+2+2	Bipolar stepper motor driver	52	---/10	2	----/----	-40 to +150	13.72	12.60	13.72
511-L6235N	L6235N	PWRDIP-20+2+2	Three-phase brushless DC motor	52	5/10	1	----/----	-40 to +150	13.08	12.01	13.08
511-L6234	L6234	PWRDIP-16+2+2	Triple half bridge for motor driver	52	6.5/---	3	----/----	-40 to +150	8.82	8.68	8.82

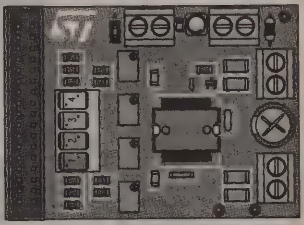
STMICROELECTRONICS THRU HOLE RECEIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Supply Current Max (mA)	Recvrs Per Pack.	Propagation Delay Time Typ/Max (ns)	Temp. Range (°C)	Price Each		
									1	10	100
511-MC1489AP	MC1489AP	DIP-14	RS-232C quad line receiver	10	26	4	25/50	0 to +75	.29	.27	.24
511-MC1489P	MC1489P	DIP-14	RS-232C quad line receiver	10	26	4	25/50	0 to +75	.29	.27	.24

STMICROELECTRONICS DRIVER EVALUATION BOARDS

With these evaluation board you'll be able to evaluate these devices when driving a three phase brushless DC motor with three hall-effect sensors. Screw connectors provide connection to motor supply rail and 5 V reference for the logic inputs, as well as the four outputs to motor windings. They can also be hooked-up to PractiSPIN interface board (EVALpractiSPIN) through a 34-pin connector. They can also be run also in stand-alone mode: four on board switches are used to select direction of the rotation, enable and disable braking or choosing to run in torque or speed mode.



MOUSER STOCK NO.	STM Part No.	Description	Price Each
511-EVAL6206PD	EVAL6206PD	For L6209PD full bridge driver	32.50
511-EVAL6208PD	EVAL6208PD	For L6208PD stepper motor driver	32.50
511-EVAL6235N	EVAL6235N	For L6235N three-phase brushless DC motor driver	26.00

STMICROELECTRONICS TIMERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Sup. Volt. Max. (V)	Supply Current Max. (mA)	Low Level Output Voltage Typ/Max(V)	High Level Output Voltage Typ. (V)	Output Rise Time Typ/Max(ns)	Output Fall Time Typ/Max(ns)	Price Each		
										1	10	100
Surface Mount												
511-TS555CD	TS555CD	SO-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.30	.27	.25
511-TS555IP	TS555IPT	TSSOP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.41	.38	.34
511-TS555ID	TS555ID	SO-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.32	.30	.27
511-SA555D	SA555D	SO-8	Single general purpose	18	6	0.1/0.25	12.5	100/300	100/300	.39	.36	.33
511-NE555D	NE555D	SO-8	Single general purpose	18	15	0.1/0.25	12.5	100/300	100/300	.16	.15	.14
511-TS556CD	TS556CD	SO-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/----	20/----	.39	.36	.33
511-TS556ID	TS556ID	SO-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/----	20/----	.64	.63	.58
511-NE556D	NE556D	SO-14	Dual general purpose	18	30	0.1/0.25	12.5	100/300	100/300	.37	.34	.31
Thru Hole												
511-TS555CN	TS555CN	DIP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.35	.32	.29
511-TS555IN	TS555IN	DIP-8	Single CMOS low power	18	0.2	0.1/0.3	1.9	25/----	20/----	.33	.30	.28
511-TS3555IN	TS3555IN	DIP-8	Single low power	18	0.23	0.1/0.3	2.9	25/----	20/----	.40	.34	.30
511-SA555N	SA555N	DIP-8	Single general purpose	18	6	0.1/0.25	12.5	100/300	100/300	.35	.32	.29
511-NE555N	NE555N	DIP-8	Single general purpose	18	15	0.1/0.25	12.5	100/300	100/300	.18	.16	.15
511-TS556CN	TS556CN	DIP-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/----	20/----	.54	.53	.49
511-TS556IN	TS556IN	DIP-14	Dual CMOS low power	18	0.4	0.1/0.3	1.9	25/----	20/----	.49	.45	.41
511-SA556N	SA556N	DIP-14	Dual general purpose	18	12	0.1/0.25	12.5	100/300	100/300	.45	.41	.38
511-NE556	NE556N	DIP-14	Dual general purpose	18	30	0.1/0.25	12.5	100/300	100/300	.23	.21	.19

STMICROELECTRONICS VERTICAL & DEFLECTION CIRCUITS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (V)	Flyback Peak Voltage (V)	Output Peak Current (A)	Supply Current Typ. (mA)	Power Dissipation Max. (W)	Peak-to-Peak Output Noise Typ/Max (mV/pp)	Price Each		
									1	10	100
Thru Hole											
511-TDA1175P	TDA1175P	PowerDIP-16	35	60	2	140	4.3	18/30	2.18	2.15	1.87
511-TDA1771	TDA1771	SIP-10	30	65	6	140	9	---/---	1.15	1.14	1.05

STMICROELECTRONICS Analog ICs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMicroelectronics

STMICROELECTRONICS SURFACE MOUNT RESET CIRCUITS

These reset circuits are low-power supervisory devices used to monitor power supplies. They perform a single function; asserting a reset signal whenever the VCC supply voltage drops below a preset value and keeping it asserted until VCC has risen above the preset threshold for a minimum period of time.

- Two output configurations: Push-pull RST output (STM809/811)
  Push-pull RST output (STM810/812)
- Precision Monitoring of 3V, 3.3V and 5V supply voltages
- 140ms reset pulse width (min)
- Low supply current - 6uA (typ)
- Lead-free package

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Reset Threshold (V)	Device Options							VCC Supply Voltage (V)	Operating Temp. Range (°C)	Price Each			
				Watch dog Input	Active Low RESET	Active High RESET	Manual RESET Input	Battery Switch Over	Power Fail Comp.	Chip Enab. Gating			1	10	100	250
511-STM810RWX6F	STM810RWX6F	SOT-23-3	2.63	No	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM812RW16F	STM812RW16F	SOT-143-4	2.63	No	No	Yes	Yes	No	No	No	1.0 to 5.5	-40 to +85	.36	.33	.30	.28
511-STM809RWX6F	STM809RWX6F	SOT-23-3	2.63	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM811RW16F	STM811RW16F	SOT-143-4	2.63	No	Yes	No	Yes	No	No	No	1.0 to 5.5	-40 to +85	.36	.33	.30	.28
511-STM810SWX6F	STM810SWX6F	SOT-23-3	2.93	No	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM809SWX6F	STM809SWX6F	SOT-23-3	2.93	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM811SW16F	STM811SW16F	SOT-143-4	2.93	No	Yes	No	Yes	No	No	No	1.0 to 5.5	-40 to +85	.36	.33	.30	.28
511-STM810TWX6F	STM810TWX6F	SOT-23-3	3.08	No	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM812TW16F	STM812TW16F	SOT-143-4	3.08	No	No	Yes	Yes	No	No	No	1.0 to 5.5	-40 to +85	.36	.33	.30	.28
511-STM809TWX6F	STM809TWX6F	SOT-23-3	3.08	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM811TW16F	STM811TW16F	SOT-143-4	3.08	No	Yes	No	Yes	No	No	No	1.0 to 5.5	-40 to +85	.36	.33	.30	.28
511-STM810MWX6F	STM810MWX6F	SOT-23-3	4.38	No	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM809MWX6F	STM809MWX6F	SOT-23-3	4.38	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM811MW16F	STM811MW16F	SOT-143-4	4.38	No	Yes	No	Yes	No	No	No	1.0 to 5.5	-40 to +85	.36	.33	.30	.28
511-STM810LWX6F	STM810LWX6F	SOT-23-3	4.63	No	No	Yes	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM812LW16F	STM812LW16F	SOT-143-4	4.63	No	No	Yes	Yes	No	No	No	1.0 to 5.5	-40 to +85	.36	.33	.30	.28
511-STM809LWX6F	STM809LWX6F	SOT-23-3	4.63	No	Yes	No	No	No	No	No	1.0 to 5.5	-40 to +85	.21	.20	.18	.17
511-STM811LW16F	STM811LW16F	SOT-143-4	4.63	No	Yes	No	Yes	No	No	No	1.0 to 5.5	-40 to +85	.36	.33	.30	.28

SURFACE MOUNT ACCELEROMETERS

NEW FROM SUPPLIER

STMicroelectronics, a leading supplier of MEMS (Micro-Electro-Mechanical System) devices announces a new solution extending its family of ultra-compact 'low-g' linear accelerometers. This 2 Axis ultra-compact square footprint and low power consumption makes the LIS244AL motion-sensing device ideally suited for battery-powered portable applications incorporating a robust, dual-axis MEMS sensor. It combines the CMOS interface chip providing two simultaneous, real-time analog outputs. The LIS244AL provides acceleration values at a very low noise level with minimized power consumption housed in an inexpensive 4 x 4 x 1.5 mm3 plastic package to fit in a variety of space-constrained applications. It also has an ultra-compact robust design provides shock survivability up to 10,000g with a full range scale output range of ±2.0g. The built-in self-test facility allows the user to verify both the mechanical and electrical parts of the device.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Resolution		Supply Voltage (V)	Supply Current Typ/Max (mA)	Price Each		
			(mg)	Bandwidth			1	10	100
511-LIS244AL	LIS244AL	LLGA 4X4X1.5	40 +85	2.0 kHz	2.4 to 3.6	.65 mA	7.92	7.80	6.80

ST's low-power three axes linear accelerometer LIS3L02AS4 includes a sensing element and an IC interface able to take the the information from the sensing element and to provide an analog signal to the external world. The sensing element, capable of detecting the acceleration, is manufactured using a dedicated process developed by ST to produce intertial sensors and actuators. The IC interface is manufactured using a standard CMOS process that allows high level of integration to design a dedicated circuit which is trimmed to better match the sensing element characteristics. The LIS3L02AS4 has a user selectable full scale of 2g, 6g and capable of measuring accelerations over a bandwidth of 1 1.5KHz for all axes.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Sensing Frequency	Supply Voltage (V)	Supply Current Typ/Max (mA)	Price Each		
						1	10	100
511-E-LIS3L02AS4	E-LIS3L02AS4	SO-24	1.5 KHz	2.4 to 3.6	0.85/1.5	13.63	12.51	9.60

SURFACE MOUNT ANALOG TO DIGITAL CONVERTERS

These dual-channel, 12-bit analog-to-digital converter (ADC) chips that combine high and extremely low power consumption, achieving the industry's highest ratio of speed-to-pwer consumption performance. The TSA1203 performs 40 million MSPS while consuming just 230mW. The TSA1204 runs at 20MSPS while consuming only 120mW. By using multiplexed outputs, the TSA1203 and TSA1204 propel data-conversion product line into the twin-channel ADC arena.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Channels	SFDR @ Fin = 10MHz Typ. (dBc)	DNL (Max) (LSB)	INL (Max) (LSB)	Supply Voltage (V)	Price Each		
							1	10	100
511-TSA1204IFT	TSA1204IFT	2	-81.5	+0.93	+1.8	2.25 to 2.7	16.65	15.30	11.73
511-TSA1203IF	TSA1203IF	2	-68.3	±0.52	±3	2.25 to 2.7	32.51	27.98	24.57

The TDA7535 is a stereo, digital-to-analog converter designed for audio application including digital interpolation filter, a third order multibit Delta-Sigma DAC a third order Chebyshev's reconstruction filter and a differential to single ended output converter. This device is fabricated in highly advanced CMOS, where high speed precision analog circuits are combined with high density logic circuits. The TDA7535, according to standard audio converters, can accept any I2S format.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Sample Rate	Power Supply (V)	Resolution	System Clock	Price Each		
							1	10	100
511-TDA7535013TR	TDA7535013TR	SO-14	36KHz-48KHz	3.3v	20-bit	64Fs	2.78	2.73	2.38

SURFACE MOUNT ANALOG SWITCHES

These high-speed analog S.P.D.T. switches are fabricated in silicon gate C2MOS technology. They are designed to operate from 1.65V to 4.3V, making them ideal for portable applications. They offer low ON-Resistance. The nIN inputs are provided to control the switches. The switches nS1 are ON when the nIN input is held low and OFF (high impedance state exists between the two ports) when IN is held high.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Switch ON Resistance (Max)(Ω) @ VCC						Price Each		
			4.3	3.0	2.7	2.3	1.8	1.7	1	10	100
511-STG3680QTR	STG3680QTR	VFQFPN-16	0.8	0.8	0.8	2.0	4.0	4.0	.70	.69	.63
511-STG3690QTR	STG3690QTR	VFQFPN-16	- - -	0.5	0.5	0.8	3.0	3.0	1.15	1.14	1.05

The STG3699A is a high-speed CMOS low voltage quad analog S.P.D.T (Single Pole / Dual Throw) switch or 2:1 Multiplexer/Demultiplexer Switch fabricated in silicon gate C2MOS technology. It is designed to operate from 1.65v to 4.3v, making this device ideal for portable application. It offers very low ON-Resistance at 3.0v. It is available in commercial temperature range (-40 to 125°C).

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Dimensions	Operating Range	Description	Price Each		
						1	10	100
511-STG3699AUTR	STG3699AUTR	QFN-16	2.5x2.5	2.3 to 3.0v	IC CMOS QUAD	2.18	2.15	1.87
511-STG3699AQTR	STG3699AQTR	QFN-16	3x3	2.3 to 3.0v	Low Voltage 0.5 Ω Max Quad	2.18	2.15	1.87

STMICROELECTRONICS TELECOM ICS

Surface Mount Electronic Two-Tone Ringer

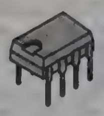
For quantities of 500 and up, call for quote.

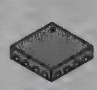
MOUSER STOCK NO.	STM Part No.	Pack-age Type	Supply Voltage Max. (V)	Activation Voltage Max. (V)	Sustaining Voltage Max. (V)	Current Consumption w/o load Max. (mA)	Sweep Freq. Typ. (Hz)	Output Freq. Min/Max (kHz)		Temp. Range (°C)	Price Each		
								f1	f2		1	10	100
511-E-LS1240AD1	E-LS1240AD1	SO-8	26.0	13.5	9.3	1.8	7.5	1.74/2.14	1.22/1.6	-40 to +70	.90	.88	.81

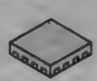
Thru Hole Phone Set Trunk Interface

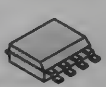
For quantities of 500 and up, call for quote.

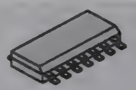
MOUSER STOCK NO.	STM Part No.	Package Type	Line Voltage Max. (V)	On-Off Hook Curr. Max. (mA)	Off-On Hook Curr. Max. (mA)	Send/Receive Distortion Max. (%)	Line Current Max. (mA)	Total Power Dissipation Max. (mW)	Temp. Range (°C)	Price Each		
										1	10	100
511-E-L3845B	E-L3845B	DIP-8	12.0	9.5	9.2	2	150	800	-40 to +70	1.59	1.56	1.44

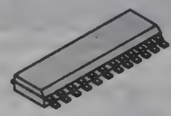

DIP-8

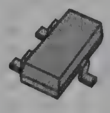

QFN-16

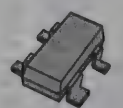

LLGA 4x4x1.5

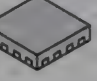

SO-8


SO-14


SO-24

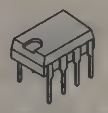

SOT-23-3


SOT-143-4

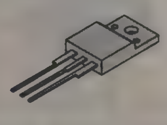

VFQFPN-16

STMICROELECTRONICS Analog Integrated Circuits

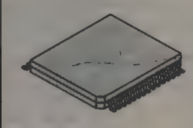
Products may be RoHS compliant.
Check mouser.com for RoHS status.



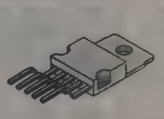
DIP-8



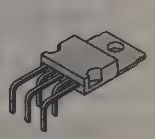
ISOWATT220AB



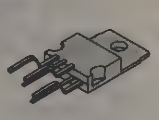
MultiPowerSO-30



Pentawatt



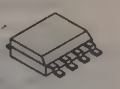
Pwntawatt H



Pentawatt V

PowerSO-10™

PPAK



SO-8

STMICROELECTRONICS H-BRIDGE DRIVERS

The VNH2SP30-E is a full bridge motor driver intended for a wide range of automotive applications. The device incorporates a dual monolithic high side driver and two low side switches. The high side driver switch is designed using STMicroelectronic's well known and proven proprietary VIPower MO technology which permits efficient integration on the same die of a true Power MOSFET with an intelligent signal/protection circuitry.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Current	Logic Level	PWM	Operating Supply (V)	Pin Count	Operating Temp.	Price Each			
									1	10	100	250
511-VNH2SP30-E	VNH2SP30-E	MultiPowerSO-30	4.2 to 5.5	440	10.0	7.5	40	2.5	**10.97**	**9.83**	**7.77**	**6.72**

STMICROELECTRONICS THRU HOLE ELECTRONIC IGNITION DRIVERS

The VB921ZVFI is a monolithic high voltage integrated circuit made using the STMicroelectronics VIPower M1-2 technology, which combines a vertical current flow power trilinton with a coil current limiting circuit and a collector voltage clamping. The device is particularly suitable for application in high performance electronic car ignition, where coil current limitation and voltage clamping are required.

- 6 Amp up to 12 Amp coil current drivers
- 400 volt typical clamping voltage
- Built-in protection, current limiting
- Voltage and current flags

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Input Voltage (V)	High Voltage Clamp (V)	Input Current (Max.)(mA)	Coil Current Limit (A)	Power Dissipation (W)	Power Saturation Voltage (V)	Price Each			
									1	10	100	250
511-VB921ZVFI-E	VB921ZVFI-E	ISOWATT220AB	4.2 to 5.5	440	10.0	7.5	40	2.5	**4.50**	**3.83**	**3.14**	**2.98**

STMICROELECTRONICS SWITCH MODE POWER SUPPLIES

ST's revolutionary VIPer series of off-line switch mode power supply regulators combines an optimized, high voltage, avalanche rugged Vertical Power MOSFET with state-of-the-art PWM circuitry. The result is truly innovative AC to DC conversion that is simpler, quicker and - with component count halved - less expensive. Printers, Scanners, Digital Satellite Receivers, Digital Video Disks, Auxiliary Power Supplies, Battery Chargers, VCRs, TVs, White Goods and a host of other products can now be brought to market in shorter times and at lower cost. In addition to benefits such as adjustable switching frequencies up to 200 kHz, optimized current mode control and comprehensive built-in protection circuits, the VIPer family represents the easiest solution to comply with the "Blue Angel" and "Energy Star" Eco Norms, with extremely low total power consumption from the mains when the system is in stand-by mode.

- 100W, 50W, 20W, 10W output power
- 1.1 to 30 ohm power output RDS(on)
- 400V, 620V 700V and 730V breakdown voltages
- Avalanche rugged

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Supply Voltage (V)	Drain Source Voltage (V)	Static Drain-Source On State Resist. Max. (Ω)	Cont. Drain Current (A)	Pmax (W)	Typical Rise/Fall Time (ns)	Price Each			
									1	10	100	250
Surface Mount												
511-VIPER50SP	VIPER50SP	PowerSO-10	9 to 15	620	5.0	1	50	50/100	**3.24**	**2.10**	**1.68**	**1.59**
Thru-Hole												
511-VIPER100-E	VIPER100-E	Pentawatt	0 to 15	620	2.5	3.0	100	50/100	**3.84**	**3.44**	**2.72**	**2.36**
511-VIPER100A	VIPER100A	Pentawatt	0 to 15	700	2.8	3.0	100	50/100	**3.96**	**3.55**	**2.81**	**2.43**
511-VIPER100A-E	VIPER100A-E	Pentawatt	0 to 15	700	2.8	3.0	100	50/100	**3.96**	**3.55**	**2.81**	**2.43**
511-VIPER50A-E	VIPER50A-E	Pentawatt	9 to 15	700	5.7	1.5	50	50/100	**3.12**	**2.80**	**2.21**	**1.92**
511-VIPER50A-22-E	VIPER50A-22-E	Pentawatt	9 to 15	700	5.7	1.5	50	50/100	**3.24**	**2.91**	**2.30**	**1.99**
511-VIPER100A-22-E	VIPER100A-22-E	Pentawatt	0 to 15	700	2.8	1	50	50/100	**3.96**	**3.55**	**2.81**	**2.43**

STMICROELECTRONICS HIGH SIDE DRIVERS

Integrated High Side Drivers offer numerous advantages over the electromechanical relays used in cars today. Diagnostic information output from these devices helps the on-board microprocessor to quickly identify and isolate faults saving repair time and improving safety. ST is promoting VIPower solid-state relays belonging to the latest M0-3 technology, which allow smaller devices with less heat dissipation.

- Single, Double, Triple or Quadruple Channel
- 40V to 60V breakdown voltage
- 4A to 60A load current

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Operating Supply Voltage (V)	DC Supply Voltage (V)	Static Drain-Source On State Resistance Max. (Ω)	DC Output Current (A)	Power Dissipation (W)	Turn-On/ Turn/Off Delay Time (μs)	Price Each			
									1	10	100	250
Surface Mount												
511-VND600SP-E	VND600SP-E	PowerSO-10	5 to 36	41	2 x 0.03	25	104	30/30	**4.18**	**3.74**	**2.96**	**2.56**
511-VN750PT-E	VN750PT-E	PPAK	5.5 to 36	41	0.06	6	60	40/30	**1.75**	**1.57**	**1.32**	**1.21**
511-VND830ASPTR-E	VND830ASP13TR-E	PowerSO-10	5.5 to 36	41	2 x 0.06	6	74	30/30	**3.17**	**2.84**	**2.25**	**1.95**
511-VN920SP-E	VN920SP-E	PowerSO-10	5.5 to 36	41	0.015	35	125	50/50	**3.34**	**3.00**	**2.37**	**2.05**
511-VNQ860SP-E	VNQ860SP-E	PowerSO-10	5.5 to 36	41	4 x 0.27	1	90	10/40	**5.43**	**4.86**	**3.85**	**3.33**
511-VND05BSP-E	VND05BSP-E	PowerSO-10	6 to 26	40	2 x 0.20	9	59	200/250	**2.84**	**2.55**	**2.01**	**1.74**
511-VN330SP	VN330SP	PowerSO-10	10 to 36	60	4 x 0.20	1	Int. Limit.	40/30	**7.80**	**6.99**	**5.53**	**4.78**
Thru-Hole												
511-VN02H(011Y)	VN02H(011Y)	Pentawatt H	5 to 36	60	0.4	6	28	10/15	**2.18**	**1.85**	**1.64**	**1.51**
511-VN750-E	VN750-E	Pentawatt V	5.5 to 36	41	0.06	6	60	40/30	**2.05**	**1.84**	**1.54**	**1.41**
511-VN820-E	VN820-E	Pentawatt V	5.5 to 36	41	0.04	9	62.5	30/30	**2.38**	**2.14**	**1.79**	**1.64**
511-VN02N-E	VN02N-E	Pentawatt V	7 to 26	60	0.4	6	29	10/15	**2.01**	**1.80**	**1.51**	**1.38**
511-VN05N	VN05N	Pentawatt V	7 to 26	60	0.18	130	56	15/20	**2.51**	**2.25**	**1.78**	**1.54**

STMICROELECTRONICS SURFACE MOUNT MICROPROCESSOR SUPERVISORS

These ST microprocessor supervisors offer a mix of reset timing for Power-On Reset, Watchdog, Manual Reset Input, and PFI-PFO (Early Power-fail Warning) in 8-pin packages.

- Push-pull reset outputs
- 150ms reset pulse width (min)
- Manual reset input
- Power-fail comparator (PFI/PFO)
- Low supply current - 40uA (typ)
- Lead-free package

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Reset Threshold (V)	Device Options								VCC Supply Voltage (V)	Operating Temp. Range (°C)	Price Each		
				Watch -dog Input	Watch -dog Output	Active Low RESET	Active High RESET	Manual RESET Input	Power Fail Comp	Chip Enable Gating	Batt. Fresh Seal			1	10	100
511-STM706TM6F	STM706TM6F	SO-8	4.38	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	**1.12**	**1.00**	**.84**
511-STM708SM6F	STM708SM6F	SO-8	4.38	No	No	Yes	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	**1.12**	**1.00**	**.84**
511-STM705M6F	STM705M6F	SO-8	4.63	Yes	Yes	Yes	No	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	**1.12**	**1.00**	**.84**
511-STM813LM6F	STM813LM6F	SO-8	4.63	Yes	Yes	No	Yes	Yes	Yes	No	No	1.0 to 5.5	-40 to +85	**1.12**	**1.00**	**.84**

STMICROELECTRONICS DUAL-LOW VOLTAGE POWER AMPLIFIERS

These dual low-voltage power amplifiers are intended for use as a dual audio power amplifier in portable cassette players, radios and CD players. They can also be used in a solid-state MP3 player (other components required would be MPEG decoder, flash memory, low-cost microcontroller and DC-DC-converter).

- Supply voltage down to 1.8V
- Low quiescent current
- Low crossover distortion
- Bridge or stereo configuration

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Voltage (Min/Max) (V)	Peak Output Current (A)	Total Power Dissipation (W)	Quiescent Drain Curr. (Max)(mA)	Distortion (Typ) (%)	Storage Temp. (°C)	Price Each		
									1	10	100
Surface Mount											
511-TDA2822D	TDA2822D	SO-8	1.8/15	1	0.5	15	0.2	-40° to +150°	**1.01**	**.91**	**.76**
Thru-Hole											
511-TDA2822M	TDA2822M	DIP-8	1.8/15	1	1	9	0.2	-40° to +150°	**1.08**	**.97**	**.81**

STMICROELECTRONICS RTC, Non-Volatile RAMs and Supervisors

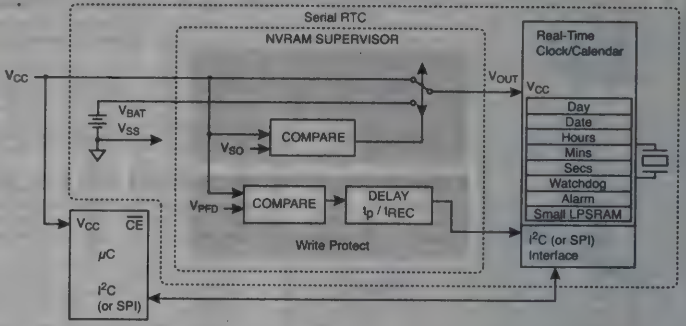
RoHS Compliant **This page of product is compliant.**

SERIAL REAL-TIME CLOCKS (RTC)

Real-Time Clocks keep track of day, date, and time including century, year, month, hour, minutes, and seconds. Many include Battery Switchover circuits, enabling them to keep time even when power is off. Other timekeeping functions offered include Alarm and Watchdog, and a calibration register supports high accuracy requirements.

RTC options include supervisory functions such as Power-on Reset/Low-Voltage Detect, Early Power-Fail Warning, Battery Monitor, and more. Some parts such as the M41ST85 Non-Volatizor can be used as NVRAM Supervisors by providing Battery Switchover and Write Protection for external Low-Power SRAMs.

ST's popular Serial RTCs support both SPI and I2C busses, and come in packages ranging from QFN16 and TSSOP8 to ST's SNAPHAT® with removable/replaceable battery.



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Bus Type	Temp. Range (°C)	Supply Voltage (V)	Price Each 1	10	100
Surface Mount										
511-M41T0DS6E	M41T0DS6E	TSSOP-8	64	8 X 8	I2C	-40 to +85	2.0 to 5.5	**1.79**	**1.76**	**1.62**
511-M41T0M6E	M41T0M6E	SO-8	64	8 X 8	I2C	-40 to +85	2.0 to 5.5	**1.47**	**1.45**	**1.34**
511-M41T00SM6E	M41T00SM6E	SO-8	64	8 X 8	I2C	-40 to +85	2.0 to 5.5	**1.79**	**1.76**	**1.62**
511-M41T00M6E	M41T00M6E	SO-8	64	8 x 8	I2C	– 40 to + 85	2.0 to 5.5	**1.79**	**1.76**	**1.62**
511-M41T60Q6F	M41T60Q6F	QFN-16	64	8 X 8	I2C	-40 to +85	1.3 to 3.6	**1.17**	**1.16**	**1.07**
511-M41T62Q6F	M41T62Q6F	QFN-16	128	16 X 8	I2C	-40 to +85	1.3 to 3.6	**1.36**	**1.33**	**1.23**
511-M41T65Q6F	M41T65Q6F	QFN-16	128	16 X 8	I2C	-40 to +85	1.3 to 3.6	**1.36**	**1.33**	**1.23**
511-M41T11M6E	M41T11M6E	SO-8	512	64 X 8	I2C	-40 to +85	2.0 to 5.5	**2.62**	**2.58**	**2.25**
511-M41T11MH6E	M41T11MH6E	SOH-28	512	64 X 8	I2C	-40 to +85	2.0 to 5.5	**4.46**	**4.39**	**3.83**
511-M41T56M6E	M41T56M6E	SO-8	512	64 X 8	I2C	-40 to +85	4.5 to 5.5	**1.98**	**1.95**	**1.80**
511-M41T80M6E	M41T80M6E	SO-8	160	20 X 8	I2C	-40 to +85	2.0 to 5.5	**1.49**	**1.47**	**1.35**
511-M41T81M6E	M41T81M6E	SO-8	160	20 X 8	I2C	-40 to +85	2.0 to 5.5	**1.97**	**1.94**	**1.79**
511-M48T86MH1E	M48T86MH1E	SOH-28	128	- - - - -	- - - - -	0 to 70	4.5 to 5.5	**3.96**	**3.90**	**3.40**
511-M41T94MH6E	M41T94MH6E	SOH-28	512	64 x 8	SPI	– 40 to + 85	2.7 to 5.5	**5.00**	**4.92**	**4.29**
511-M41T94MQ6E	M41T94MQ6E	SO-16	512	64 X 8	SPI	-40 to +85	2.7 to 5.5	**3.03**	**2.99**	**2.61**
511-M41ST84WMQ6E	M41ST84WMQ6E	SO-16	512	64 X 8	I2C	-40 to +85	2.7 to 3.6	**3.37**	**3.32**	**2.89**
511-M41ST85WMH6E	M41ST85WMH6E	SOH-28	512	64 X 8	I2C	-40 to +85	2.7 to 3.6	**6.74**	**6.63**	**5.78**
511-M41ST85WMX6	M41ST85WMX6	SOX-28	512	64 X 8	I2C	-40 to +85	2.7 to 3.6	**5.55**	**5.46**	**4.76**
511-M41ST87YMX6	M41ST87YMX6	SOX-28	1280	160 X 8	I2C	-40 to +85	4.5 to 5.5	**6.74**	**6.63**	**5.78**
511-M41ST87WMX6	M41ST87WMX6	SOX-28	1280	160 X 8	I2C	-40 to +85	3.0 to 3.6	**6.74**	**6.63**	**5.78**
511-M41T256YMT7E	M41T256YMT7E	SO-44	256K	32K X 8	I2C	-25 to +70	4.5 to 5.5	**9.00**	**7.46**	**5.85**
511-M41ST95WMX6	M41ST95WMX6	SOX-28	512	64 X 8	SPI	-40 to +85	2.7 to 3.6	**5.94**	**5.85**	**5.10**
Thru Hole										
511-M48T86PC1	M48T86PC1	PCDIP-24	128	- - - - -	- - - - -	0 to 70	4.5 to 5.5	**6.52**	**6.42**	**5.60**

RoHS Compliant

SNAPHAT BATTERY & CRYSTAL FOR REALTIME CLOCKS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Description	Temp. Range (°C)	Nominal Battery Cap. (mAh)	Price Each 1	10	100
511-M4T28BR12SH1	M4T28-BR12SH1	SH-28	For SOH-28 & 44 realtime clocks	0 to 70	48	**4.26**	**4.20**	**3.66**
511-M4T32BR12SH1	M4T32-BR12SH1	SH-28	For SOH-28 & 44 realtime clocks	0 to 70	120	**6.24**	**6.15**	**5.36**
511-M4T32BR12SH6	M4T32-BR12SH6	SH-28	For SOH-28 & 44 realtime clocks	-40 to +85	120	**7.23**	**7.12**	**6.21**

RoHS Compliant

TIMEKEEPER® SUPERVISORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Density	Organization	Access Time (ns)	Temp. Range (°C)	Supply Voltage (V)	Price Each 1	10	100
Surface Mount										
511-M48T35AV-10MH1E	M48T35AV-10MH1E	SOH-28	256K	32K x 8	100ns	0 to 70	3.0 - 3.6V	**14.18**	**13.02**	**9.98**

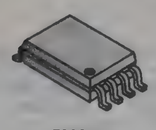
RoHS Compliant

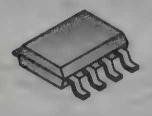
MICROPROCESSOR SUPERVISORS

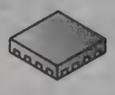
Microprocessor Supervisors with Switchover from ST offer a mix of reset timing for Power-On Reset, Watchdog, Manual Reset Input, PFI/PFO, Battery Switchover, Chip Enable, and Battery Freshness Seal in 8-pin packages.

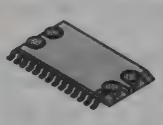
For quantities of 250 and up, call for quote.

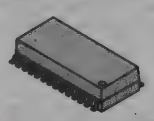
MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Active-Low Reset	Manual Reset Input	Battery Switchover	Temp. Range (°C)	Supply Voltage (V)	Price Each 1	10	100
Surface Mount										
511-M40SZ100WMQ6E	M40SZ100WMQ6E	SO-16	Open Drain	Yes	Yes	-40 to 85	2.7 - 3.6V	**4.56**	**4.49**	**3.91**

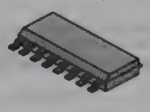

TSSOP-8

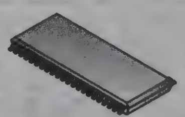

SO-8

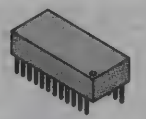

QFN-16

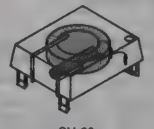

SOH-28

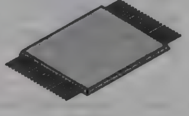

SOX-28

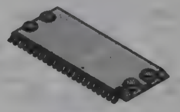

SO-16


SO-44


PCDIP-24

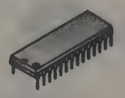

SH-28

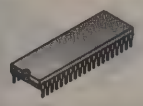

TSOP-44


SOH-44

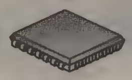
SUPERTEX High Voltage Driver / Interface Integrated Circuits **Supertex**

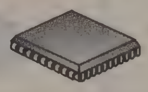
Products may be RoHS compliant.
Check mouser.com for RoHS status.


DIP-28


DIP-40

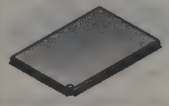
PLCC-20


PLCC-28

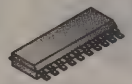

PLCC-44

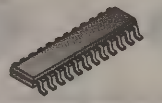
PQFP-44

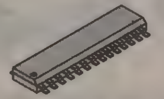
PQFP-80

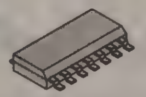

PQFP-100

SO-8


SO-20


SO-24


SO-28


SOIC-14

SOT-23-5

◆Surface Mount Device

SINK ONLY OUTPUTS – OPEN DRAIN N-CHANNEL

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Output Channel	Output Voltage (V)	Output Current per Channel (mA)	Direction	Logic Configuration	Price Each			
								1	100	500	1000
◆689-HV5622PG-G	HV5622PG-G	PQFP-44	32	+220	100	CW	Serial to parallel converter with latches, polarity and blanking	7.51	6.24	5.77	5.53
◆689-HV5122PG-G	HV5122PG-G	PQFP-44	32	+225	100	CCW	Serial to parallel converter with output enable and strobe	6.67	5.55	5.12	4.91
◆689-HV5222PG-G	HV5222PG-G	PQFP-44	32	+225	100	CW	Serial to parallel converter with output enable and strobe	6.67	5.55	5.12	4.91

SOURCE / SINK OUTPUTS - PUSH-PULL

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Output Channel	Output Voltage (V)	Output Current per Channel (mA)	Direction	Logic Configuration	Output Structure	Clock Rate (MHz)	Bits	Outputs On	Price Each			
												1	100	500	1000
◆689-HV508LG-G	HV508LG-G	SO-8	1	+45 +6	-400 HV +10 LV +400 sink	---	H-bridge output with two output	Push-Pull	---	---	---	4.24	3.52	3.26	3.12
◆689-HV513WG-G	HV513WG-G	SO-24	8	+250	±20	CW	Serial to parallel converter with latches, polarity, blanking, Hi-Z and short circuit detect	Push-Pull	8	1	All	3.80	3.16	2.92	2.80
◆689-HV6810PJ-G	HV6810PJ-G	PLCC-20	10	+80	-25 / +100uA	CW	Serial to parallel converter with latches and blanking	Push-Pull	5	1	All	2.09	1.74	1.61	1.54
◆689-HV6810WG-G	HV6810WG-G	SO-20	10	+80	-25 / +100uA	CW	Serial to parallel converter with latches and blanking	Push-Pull	5	1	All	2.53	2.10	1.94	1.86
◆689-HV5812P-G	HV5812P	DIP-28	20	+60	-25 +2	CW	Serial to parallel converter with latches, blanking and strobe	Push-Pull	5	16	All	2.77	2.31	2.13	2.04
◆689-HV5812PJ-G	HV5812PJ-G	PLCC-28	20	+60	-25 +2	CW	Serial to parallel converter with latches, blanking and strobe	Push-Pull	5	16	All	2.89	2.40	2.22	2.13
◆689-HV5812WG-G	HV5812WG-G	SO-28	20	+60	-25 +2	CW	Serial to parallel converter with latches, blanking and strobe	Push-Pull	5	16	All	2.70	2.24	2.07	1.99
◆689-HV66PG	HV66PG	PQFP-44	32	+60	±5	B	Serial to parallel converter with latches, polarity, blanking and backplane	Push-Pull	5	1	All	3.61	3.00	2.77	2.66
◆689-HV9408PJ-G	HV9408PJ-G	PLCC-44	32	+80	-20 / +5	CCW	Serial to parallel converter with latches and output enable	Push-Pull	8	1	All	5.07	4.22	3.90	3.74
689-HV518P-G	HV518P-G	DIP-40	32	+80	-25 +1	CW	Serial to parallel converter with latches, enable and strobe	Push-Pull	6	1	All	4.73	3.93	3.64	3.49
◆689-HV518PJ-G	HV518PJ-G	PLCC-44	32	+80	-25 +1	CW	Serial to parallel converter with latches, enable and strobe	Push-Pull	6	1	All	6.44	5.36	4.95	4.75
◆689-HV9308PJ-G	HV9308PJ-G	PLCC-44	32	+80	-20 / +5	CW	Serial to parallel converter with latches and output enable	Push-Pull	8	1	All	5.07	4.22	3.90	3.74
◆689-HV9708PJ-G	HV9708PJ-G	PLCC-44	32	+80	-20 / +5	CW	Serial to parallel converter with latches, polarity and blanking, VDD= 5V	Push-Pull	8	1	All	5.07	4.22	3.90	3.74
◆689-HV57708PG-G	HV57708PG-G	PQFP-80	64	+80	-15 +12	B	EL driver with latches, blanking and polarity with four 16-bit shift registers	Push-Pull	6	4	All	10.26	8.53	7.88	7.56
◆689-HV57908PG-G	HV57908PG-G	PQFP-80	64	+80	-15 +12	B	EL or plasma driver w/latches, blanking and polarity, single shift register	Push-Pull	8	1	All	11.29	9.39	8.67	8.32
◆689-HV3418PG-G	HV3418PG-G	PQFP-80	64	+180	±5	B	Serial to parallel converter with latches, polarity and blanking	Push-Pull	6	1	All	24.45	20.33	18.79	18.02
◆689-HV507PG-G	HV507PG-G	PQFP-80	64	+300	±1.0	B	Serial to parallel converter with latches, polarity and blanking	Push-Pull	8	1	All	17.04	14.17	13.10	12.56
◆689-HV574PG-G	HV574PG-G	PQFP-100	80	+80	+15 -30	B	Serial to parallel converter with latches, polarity and blanking	Push-Pull	25	4	All	14.82	12.32	11.39	10.92

SUPERTEX DRIVERS

Supertex 24V/48V Fan Driver/Controller

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Input Voltage Range	Supply Current Max (mA)	Oscillator Frequency Max (Hz)	High Voltage Supply		Operating Temperature (°C)	Rise Time Max (ns)	Fall Time Max (ns)	Price Each			
						Min (V)	Max (V)				1	100	500	1000
◆689-HV7100NG-G	HV7100NG-G	SOIC-14	+16 to +90V	4	100k	16	75	-40 to +85	100	100	2.76	2.29	2.12	2.03

Supertex High Side Current Monitor

RoHS Compliant

For quantities of 2000 and up, call for quote.

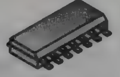
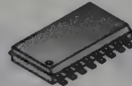
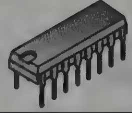
MOUSER STOCK NO.	Supertex Part No.	Package	Supply Voltage Range	Output Voltage @ Max V_{SENSE}			Ouput Pin Res. Typ (kΩ)	I_{LOAD} Max (mA)	Ouput Rise Time (10%-90%) Typ (µs)	Ouput Fall Time (90%-10%) Typ (µs)	Price Each			
				Min (mV)	Max (mV)	V_{SENSE}					1	100	500	1000
◆689-HV7800K1-G	HV7800K1-G	SOT-23-5	+8.0 to 450V	490	510	500mV	3.3	±10	0.7	0.7	.76	.63	.58	.56

SUPERTEX Analog Integrated Circuits

Supertex

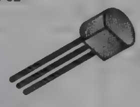
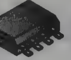
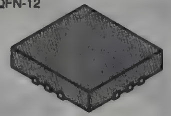
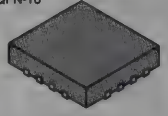
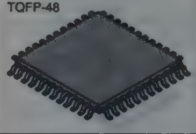
Products may be RoHS compliant. Check mouser.com for RoHS status.

SO-8

SO-14

SO-16

DIP-16

TO-252

SOT-223

SOT-89-3

TO-92

SOIC-8

QFN-12

QFN-16

TQFP-48


♦ Surface Mount Device

SUPERTEX HOTSWAP CONTROLLER/IN-RUSH CURRENT LIMITER/CIRCUIT BREAKER INTEGRATED CIRCUITS

HV1xx and HV3xx hotswap product families are designed to control the inrush current while eliminating any undesirable glitches resulting from hot insertion of the circuit cards into live backplanes. The award winning HV1xx, requires no external components, except a single pass element to operate. It utilizes an innovative and proprietary design that normalizes the hotswap period, regardless of pass element and load capacitor resulting in consistent hotswap operations. The HV3xx families offer programmable inrush control, programmable circuit breaker current (internal 100mv sense) as well as programmable input under and over voltage thresholds. An open drain Power Good (PWRGD) signal is generated once all conditions have been satisfied.

HV100/101 Features:

- Top 100 products EDN magazine
- Industry first 3 pin hotswap controller
- MOSFET Auto adapting circuit
- Safe Hotswapping on backplane power supply rail
- Patent pending short circuit protection
- For Evaluation/Design Shortcut see Demo Boards

RoHS Compliant

Demo Boards

- IC Included
- RoHS: non-compliant / Contains Pb

MOUSER STOCK NO.	Price Each
689-HV100DB1	50.00
689-HV101DB1	50.00

High Voltage, Negative Rail Break

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Input Voltage V_{IN}		Input Current I_{IN}	UV/OV Protection	Circuit Breaker	Sense Resistor	Auto Retry	Power Good Signal	No. of Channels	Price Each			
			Min. (±V)	Max. (±V)								1	100	500	1000
♦ 689-HV100K5-G	HV100K5-G	SOT-223	38/34	72	1	UV	Until C-Load Fully Charged	---	Yes	---	1	1.48	1.23	1.14	1.09
♦ 689-HV101K5-G	HV101K5-G	SOT-223	16/12	72	1	UV	Until C-Load Fully Charged	---	Yes	---	1	1.48	1.23	1.14	1.09
♦ 689-HV310LG-G	HV310LG-G	SO-8	10	90	0.65	Both	---	Optional	Optional	L	1	2.36	1.96	1.81	1.74
♦ 689-HV302NG-G	HV302NG-G	SO-14	10	90	0.7	Both	Yes	Yes	Optional	H4	1	3.59	2.99	2.76	2.65
♦ 689-HV311LG-G	HV311LG-G	SO-8	10	90	0.7	Both	Yes	Yes	Optional	L	1	2.89	2.40	2.22	2.13
♦ 689-HV312NG-G	HV312NG-G	SO-14	10	90	0.7	Both	Yes	Yes	Optional	L4	1	3.59	2.99	2.76	2.65

SUPERTEX LINEAR REGULATOR INTEGRATED CIRCUITS

The LR6 is a high-input voltage linear regulator for simple functions such as SMPS start-up and high-voltage line conditioning/regulation. The LR7 is a high-input voltage SMPS start-up circuit. The LR8 has an adjustable output voltage. The SR036 and SR037 are dual output, off-line regulators. The LR12 is a high voltage, low output current, adjustable linear regulator. It has a wide operating input voltage range of 13.2V to 100V.

RoHS Compliant

- For Evaluation/Design Shortcut see Demo Boards

* Dual output, off-line regulator

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Input Voltage V_{IN}		Output Voltage HV_{OUT} (V) Typ.	Input Current I_{IN} Max. (mA)	Regulation Typical		Power Dissipation @TA=25°C (W)	Price Each			
			Min. (+V)	Max. (+V)			Line	Load		1	100	500	1000
689-LR12K4-G	LR12K4-G	TO-252	13	100	1.2/88	50	0.003%/V	0.06%/mA	2	1.75	1.45	1.34	1.29
♦ 689-LR12LG-G	LR12LG-G	SO-8	13	100	1.2/88	50	0.003%/V	0.06%/mA	1.8	1.52	1.26	1.17	1.12
689-LR12N3-G	LR12N3-G	TO-92	13	100	1.2/88	50	0.003%/V	0.06%/mA	0.6	1.39	1.15	1.07	1.02
689-LR645N3-G	LR645N3-G	TO-92	15	450	10	3	0.0001%/V	0.5%/mA	0.74	.59	.49	.45	.43
♦ 689-LR645N8-G	LR645N8-G	SOT-89-3	15	450	10	3	0.0001%/V	0.5%/mA	1.6	.76	.63	.58	.56
689-LR745N3-G	LR745N3-G	TO-92	25	450	20	4	0.0001%/V	0.5%/mA	—	.63	.52	.48	.46
689-LR8K4-G	LR8K4-G	TO-252	12	450	1.2 - 440	10	0.003%/V	0.15%/mA	2.5	1.14	.95	.88	.84
♦ 689-LR8N8-G	LR8N8-G	SOT-89-3	12	450	1.2 - 440	10	0.003%/V	0.15%/mA	1.6	.76	.63	.58	.56
689-LR8N3-G	LR8N3-G	TO-92	12	450	1.2 - 440	10	0.003%/V	0.15%/mA	0.74	.72	.60	.55	.53
♦ 689-SR086SG-G*	SR086SG-G	SOIC-8	80	285	9 - 50 & 3	100	-----	0.02	-----	1.41	1.17	1.08	1.04
♦ 689-SR087SG-G*	SR087SG-G	SOIC-8	80	285	9 - 50 & 5	100	-----	0.02	-----	1.41	1.17	1.08	1.04

SUPERTEX MOSFET DRIVERS

High Voltage

These are a family of single high voltage, low input current isolated drivers utilizing Supertex's proprietary HVCMOS® technology. They are designed to drive descrete MOSFETs configured as high side switches up to 400V. They do not require any external power supplies.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Channels	Input Voltage V_{IN}		Output Voltage HV_{OUT}		Input to Output Isolation (V)	Operating Temp. (°C)	Ext. Clock Frequency		Price Each			
				Low (V)	High (V)	Low (V)	High (V)			Min (MHz)	Max (MHz)	1	100	500	1000
♦ 689-HT0440LG-G	HT0440LG-G	SOIC-8	2	3.15	5.5	6	10	±400	-40 to +85	0.5	2	2.24	1.86	1.72	1.65
♦ 689-HT0740LG-G	HT0740LG-G	SOIC-8	1	3.15	5.5	5	9	±400	-40 to +85	- - -	- - -	1.35	1.12	1.04	.99

High Speed

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Channels	Input Voltage V_{IN}		Output Voltage HV_{OUT}		Peak Output Sink Current Type (A)	Peak Output Source Current Type (A)	Output Rise/Fall Typ. (ns)	Propagation Delay Match Typ (ns)	Price Each			
				Low (V)	High (V)	Low (V)	High (V)					1	100	500	1000
♦ 689-MD1210K6-G	MD1210K6-G	QFN-12	2	4.5	13	0	13	2	2	6.0/6.0	±2	2.30	1.91	1.77	1.69
♦ 689-MD1211LG-G	MD1211LG-G	SOIC-8	2	4.5	13	0	13	2	2	10/10	3	1.20	1.00	.92	.88
♦ 689-MD1711FG-G	MD1711FG-G	TQFP-48	12	1.8	5.5	-12	12.6	2(P-Ch)/1.5(N-Ch)	2(P-Ch)/1.5(N-Ch)	8.0/8.0	±3	11.04	9.18	8.48	8.13
♦ 689-MD1810K6-G	MD1810K6-G	QFN-16	4	1.2	5.0	-----	-----	2	2	6.0/6.0	±2	2.89	2.40	2.22	2.13
♦ 689-MD1811K6-G	MD1811K6-G	QFN-16	2	1.2	5.0	-----	-----	2	2	6.0/6.0	±2	2.89	2.40	2.22	2.13
♦ 689-MD1812K6-G	MD1812K6-G	QFN-16	4	1.2	5.0	-----	-----	2	2	6.0/6.0	±2	3.14	2.61	2.41	2.31
♦ 689-MD1813K6-G	MD1813K6-G	QFN-16	4	1.2	5.0	-----	-----	2	2	6.0/6.0	±2	3.14	2.61	2.41	2.31

SUPERTEX RELAY DRIVER INTEGRATED CIRCUITS

The Supertex HV9901 is a BiCMOS/DiMOS universal relay driver that employs PWM switching techniques. It is designed for efficient and energy-saving operation of a low voltage relay with supply voltages ranging from 10-450V DC through utilization of the relay coils' inductance.

Source/Sink Outputs - Push-Pull

For quantities of 2000 and up, call for quote.

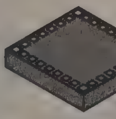
MOUSER STOCK NO.	Supertex Part No.	Package	Input Voltage V_{IN}		Input Current I_{IN} Max. (mA)	Oscillator Frequency			Current Sense		Ext. Adjustable Reg.Output		Price Each			
			Min. (V)	Max. (V)		Min. (KHz)	Max. (KHz)	Fsync-Max. (KHz)	Typ. Pull-In (V)	Hold	Voltage (V)	Current (mA)	1	100	500	1000
♦ 689-HV9901NG-G	HV9901NG-G	SO-16	10	450	2	20	140	150	0.883	Adjustable	2.0 - 5.5	1	2.00	1.66	1.53	1.47
689-HV9901P	HV9901P	DIP-16	10	450	2	20	140	151	0.883	Adjustable	2.0 - 5.6	1	1.94	1.61	1.49	1.43

SUPERTEX Analog Integrated Circuits

Supertex

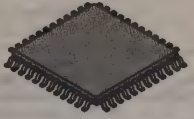
Products may be RoHS compliant.
Check mouser.com for RoHS status.

BCC-32

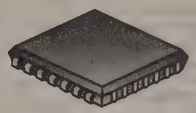


Bottom View

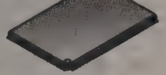
TQFP-48



PLCC-28

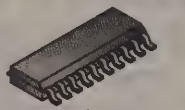


MQFP-100

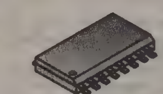


SOIC-8

SO-20



SO-16



◆ Surface Mount Device

SUPERTEX HIGH VOLTAGE ANALOG SWITCH/MULTIPLEXER INTEGRATED CIRCUITS

These are low charge injection 8 or 16-channel high-voltage analog switch integrated circuit (IC) intended for use in applications requiring high voltage switching controlled by low voltage control signals, such as ultrasound imaging and printers.

Features:
- HVCMOS technology for high performance
- Very low quiescent power dissipation-10μA
- Output On-resistance typically 22 ohms
- Low parasitic capacitances
- DC to 10MHz analog signal frequency
- -60dB typical output off isolation at 5MHz
- CMOS logic circuitry for low power
- Excellent noise immunity
- On-chip shift register, latch and clear logic circuitry
- Flexible high voltage supplies
- Surface mount package available

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Output Channels	Supply Voltage (V)	Analog Signal Voltage (V)	Switch Current (A)	Switch Resistance (Ω)	Power Dissipation @TA=25°C (W)	Peak Analog Signal Current/Channel	Output Bleed Resistors	Price Each 1	100	500	1000
◆ 689-HV2201B1-G	HV2201B1-G	BCC-32	8	200	180	±2	24	1.0	3	No	13.59	11.30	10.44	10.01
◆ 689-HV2201FG-G	HV2201FG-G	TQFP-48	8	200	180	±2	24	1.0	3	No	11.78	9.80	9.05	8.68
◆ 689-HV2201PJ-G	HV2201PJ-G	PLCC-28	8	200	180	±2	24	1.2	3	No	11.69	9.72	8.98	8.61
◆ 689-HV2301B1-G	HV2301B1-G	BCC-32	8	200	180	±2	24	1.0	3	Yes	13.78	11.46	10.59	10.15
◆ 689-HV2301FG-G	HV2301FG-G	TQFP-48	8	200	180	±2	24	1.0	3	Yes	11.97	9.95	9.20	8.82
◆ 689-HV2301PJ-G	HV2301PJ-G	PLCC-28	8	200	180	±2	24	1.2	3	Yes	11.88	9.88	9.13	8.75
◆ 689-HV20220PJ-G	HV20220PJ-G	PLCC-28	8	200	180	±2	24	1.2	3	No	16.51	13.73	12.69	12.17
◆ 689-HV232PJ-G	HV232PJ-G	PLCC-28	8	200	180	±2	24	1.2	3	Yes	17.08	14.20	13.13	12.59
◆ 689-HV2601FG-G	HV2601FG-G	TQFP-48	16	200	180	±2	24	1.0	3	No	22.42	18.64	17.23	16.52
◆ 689-HV2701FG-G	HV2701FG-G	TQFP-48	16	200	180	±2	24	1.0	3	Yes	22.80	18.96	17.52	16.80

SUPERTEX HIGH VOLTAGE ARRAY AMPLIFIER INTEGRATED CIRCUITS (MEMS DRIVER ICS)

HV25x family of high voltage amplifiers is designed for the next generation of Micro Electro Mechanical Systems (MEMS). The family features 32-channel non-inverting high voltage Amplifier Arrays capable of output swings up to 295V. To minimize external components, the amplifiers have fixed internal closed loop gain setting resistors. Supertex is the industry's first company to combine an array of low voltage sample-and-hold circuits with high voltage amplifiers on the same chip.

- For Evaluation/Design Shortcut see Demo Boards

Demo Boards
- IC Included
- RoHS: non-compliant / Contains Pb

MOUSER STOCK NO.	Price Each
689-HV254DB1	240.00
689-HV256DB1	360.00

✱ Sample-and-hold amplifier array

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Channels	Voltage HV_{OUT} Max. (V)	Quiescent Current I_{PP}/Chan-Typ	Slew Rate Typ. (V/μS)	Closed Loop Gain (V/V)	Feedback Resistance (MΩ)	HV_{Out} Current Capability-Max. Source (μA)	Sink (μA)	Cap Load (pF)	Output Current Limit	Price Each 1	100	500	1000
◆ 689-HV254FG	HV254FG	MQFP-100	32	250	44	3	50	12	300	300	100	No	132.11	109.86	101.51	97.34
◆✱ 689-HV256FG-G	HV256FG-G	MQFP-100	32	295	15	2	72	12	500	500	3000	Yes	207.10	172.22	159.14	152.60
◆ 689-HV257FG	HV257FG	MQFP-100	32	295	15	2	72	12	500	500	3000	Yes	245.75	204.36	188.84	181.08

SUPERTEX ELECTRONIC LINE SWITCH INTEGRATED CIRCUITS

These electronic switch ICs are designed as a replacement for the typical mechanical hook switch or electromechanical relays in telephones and answering machines. Multiple low-level inputs are provided for design versatility and may be controlled directly from logic circuitry or from mechanical switches. These ICs are line-powered and are especially useful in applications that require telephone operation when external power is lost or otherwise unavailable.

- For Evaluation/Design Shortcut see Demo Boards

RoHS Compliant

Demo Boards
- IC Included
- RoHS: non-compliant / Contains Pb

MOUSER STOCK NO.	Price Each
689-HT18DB1	50.00
689-HT19DB1	50.00

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Breakdown Voltage V_{TPG} (V)	Switch Resistance (Ω)	Output Voltage V_{TP} Min. (V)	Max. (V)	I_{TPG} Current Limiting Min. (mA)	Max. (mA)	Input Voltage LS1, LS2 DP/DP (V)	Price Each 1	100	500	1000
◆ 689-HT18LG-G	HT18LG-G	SOIC-8	350	18	16	20	200	300	20	1.41	1.17	1.08	1.04
◆ 689-HT19LG-G	HT19LG-G	SOIC-8	350	18	16	20	200	300	20	1.41	1.17	1.08	1.04
◆ 689-HT0638LG-G	HT0638LG-G	SOIC-8	375	18	—	20	188	313	10	2.22	1.85	1.71	1.64

SUPERTEX HIGH VOLTAGE RING GENERATOR INTEGRATED CIRCUITS

The use of Supertex's high voltage push-pull IC technology allows these products to control high voltage outputs without the use of step-up transformers. Use of class-D PWM amplifiers in these ICs allows very high efficiencies to be achieved. This is particularly important for short and medium loop telecommunication applications where central telephone office power is not available.

- For Evaluation/Design Shortcut see Demo Boards

RoHS Compliant

Demo Boards
- IC Included
- RoHS: non-compliant / Contains Pb

MOUSER STOCK NO.	Price Each
689-HV430DB3	150.00
689-HV440DB1	150.00
689-HV440DB2	150.00

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package	Max Ring Voltage (V) RMS	MAX Output Load REN	High Voltage Supplies Positive	Negative	PWM Function	Power Supply Voltage Positive/Negative High Voltage Supply $V_{PP1}=V_{NN1}$ (V)	Negative High Voltage Supply V_{NN1} (V)	Price Each 1	100	500	1000
◆ 689-HV430WG-G	HV430WG-G	SO-20	105	50	YES	YES	External	325	- - -	7.71	6.41	5.93	5.68
◆ 689-HV440WG-G	HV440WG-G	SO-16	70	5 or 20	YES	YES	External	220	- - -	7.66	6.37	5.88	5.64

SUPERTEX Drivers

RoHS Compliant **This page of product is compliant.**

Supertex

SUPERTEX LED DRIVER INTEGRATED CIRCUITS

◆Surface Mount Device

Applications:

- Accent lighting - HV9931, CL2
- Automotive - HV9910, HV9911, HV9930, CL2
- Backlighting of flat panel displays - HV9910
- Battery powered LED lamps - HV9911, HV9930, CL6, CL7
- Cellular phones - HV9903
- Chargers - HV9910
- Color LCD Backlighting - HV9903
- Constant current sink - CL2
- DC/DC or AC/DC LED Driver applications: HV9910, HV9930
- Digital cameras - HV9903
- Electronic personal organizers - HV9903
- General purpose constant current source - HV9910, CL2
- Industrial lighting - HV9921, HV9922, HV9923, HV9925, CL2, CL6, CL7
- Incandescent replacements - HV9921, HV9922, HV9923, HV9925, CL6, CL7
- LED driver - HV9903, HV9910, HV9911, HV9921, HV9922, HV9930, CL2
- Low power lighting fixtures - HV9921, HV9922, HV9923, HV9925
- MP3 players - HV9903
- PDAs - HV9903
- RGB backlighting LED driver - HV9910, HV9911, HV9930
- Signage and decorative LED lighting - HV9910, HV9921, HV9922, HV9923, HV9925, HV9931, CL2
- Traffic signals and street lamps - HV9931

RoHS Compliant

White LED Driver IC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Supply Voltage (V)	Input Voltage (V)	R_{SET} (Ω)	Internally Regulated Voltage (V)(Typ)	LED Current (Min/Max) (mA)	Supply Current (mA)(Max)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689–HV9903K6-G	MLP-6	2.6 - 4.6	1.8 - 12.5	1.5K	3.3	5.0/40	1.6	1.06	.88	.82

Universal High Brightness LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	Current For Ext. Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	Curr. Sense Pull-in Thresh Voltage (Min/Max)(mV)	Oscillator Frequency (Min/Max)(kHz)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689–HV9910LG-G	SOIC-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.12	.93	.86
	689–HV9910P-G	DIP-8	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.10	.92	.85
◆	689–HV9910NG-G	SOIC-16	8.0 - 450	1	1	7.5	225/275	20(1MΩ)/120(226kΩ)	1.24	1.03	.95

Switchmode LED Driver IC w/High Current Accuracy

MOUSER STOCK NO.		Package	DC Input Voltage (V)	IC Shut-Down Voltage (Typ)(V)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (Typ)(V)	Undervoltage Lockout Hysteresis (Typ)(mV)	Reference Pin Voltage (Min/Typ/Max)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689-HV9911NG-G	SOIC-16	0,5 - 250	1.25	1.5	7.75	12	1.225/1.25/1.275	1.58	1.31	1.21

3-Pin Switchmode LED Driver ICs

MOUSER STOCK NO.		Package	DC Input Voltage (V)	AC Input Voltage (V)	Constant Output Current (mA)	ON Resistance (Ω)	Operating Supply Current (Typ/Max)(uA)	Threshold Current (Min/Max)(mA)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
	689-HV9921N3-G	TO-92	20 - 400	85 - 264	20.0	210	200/350	20.5/25.5	.78	.65	.60
◆	689-HV9921N8-G	SOT-89	20 - 400	85 - 264	20.0	210	200/350	20.5/25.5	.82	.68	.63
	689-HV9923N3-G	TO-92	20 - 400	85 - 264	30.0	210	200/350	30.8/38.2	.80	.66	.61
◆	689-HV9923N8-G	SOT-89	20 -400	85 - 264	30.0	210	200/350	30.8/38.2	.84	.70	.64
	689-HV9922N3-G	TO-92	20 - 400	85 - 264	50.0	210	200/350	52/63	.84	.70	.64
	689-HV9922N8-G	SOT-89	20 - 400	85 - 264	50.0	210	200/350	52/63	.87	.73	.67

Programmable-Current LED Lamp Driver IC with PWM Dimming

MOUSER STOCK NO.		Package	DC Input Voltage (V)	AC Input Voltage (V)	Programmable Output Current Max (Ω)	ON Resistance (Ω)	Operating Supply Current (Typ/Max)(uA)	Power Dissipation @ 25°C Max (mW)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689-HV9925SG-G	SOIC-8	20 - 400	85 - 264	50.0	200	300/500	800	1.22	1.01	.93

Hysteric Boost-Buck LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	Current For Ext.Circuitry (Max)(mA)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWMD Pull-Down Resistance (Min/Max)(kΩ)	Reference Pin Voltage (Min/Typ/Max)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689–HV9930LG-G	SOIC-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288	1.24	1.03	.95
	689–HV9930P-G	DIP-8	8.0 - 200	1	1	7.5	50/150	1.212/1.25/1.288	1.18	.98	.91

Unity Power Factor LED Lamp Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	AC Input Voltage (V)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWMD Pull-Down Resistance (Min/Max)(kΩ)	PWMD Input Voltage (Low/High)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689-HV9931LG-G	SOIC-8	8.0 - 450	85 - 264	1	7.5	50/150	1.0(Max)/2.4(Min)	1.24	1.03	.95
	689-HV9931P-G	DIP-8	8.0 - 450	85 - 264	1	7.5	50/150	1.0(Max)/2.4(Min)	1.18	.98	.91

Temperature Compensated Constant Current LED Driver ICs

MOUSER STOCK NO.		Package	DC Input Voltage (V)	Current Regulation (Typ)(mA)	Maximum Operating Voltage (V)	Dynamic Resistance (Typ)(Ω)	Power Dissipation @ TA = 25° C (W)	Temperature Coefficient %/°C	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689–CL2K4-G	TO-252	5.0 - 90	20	100	300k	2.0	0.01	.70	.58	.54
◆	689–CL2N8-G	SOT-89	5.0 - 90	20	100	300k	1.3	0.01	.49	.41	.38
	689–CL2N3-G	TO-92	5.0 - 90	20	100	300k	0.6	0.01	.44	.36	.34

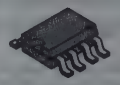
Linear Fixed Constant Current LED Driver ICs

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	AC Input Voltage (V)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWMD Pull-Down Resistance (Min/Max)(kΩ)	PWMD Input Voltage (Low/High)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689-CL6K4-G	TO-252	6.5 - 28	3.0/5.0/10	90/100/110	1.3	40	120/135/150	1.52	1.26	1.17
	689-CL6N5-G	TO-220	6.5 - 28	3.0/5.0/10	90/100/110	2.5	62	120/135/150	1.62	1.34	1.24

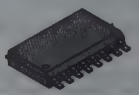
Linear Fixed Constant Current LED Driver ICs with Enable

MOUSER STOCK NO.		Package	Input DC Supply Voltage (V)	AC Input Voltage (V)	Shut-Down Mode Supply Current (Max)(mA)	Internally Regulated Voltage (V)(Typ)	PWMD Pull-Down Resistance (Min/Max)(kΩ)	PWMD Input Voltage (Low/High)(V)	Price Each		
Mfr.	Mfr. Part No.								1	100	500
◆	689-CL7SG-G	SOIC-8	-25 to 100	-25 to 100	-0.5 to +6.5	-65 to +150°C	67	120/150/150	1.82	1.52	1.40

MLP-6


SOIC-8

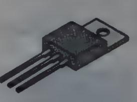
DIP-8


SOIC-16

TO-92

SOT-89

TO-252

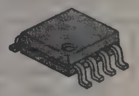

TO-220

SUPERTEX Drivers and Demo Boards

Products may be RoHS compliant.
Check mouser.com for RoHS status.

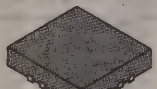
SUPERTEX LED DRIVER IC DEMO BOARDS

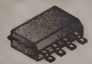
MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
689–HV9903DB1	Contains all the necessary circuitry to demonstrate the features of the HV9903 white LED driver	**70.00**
689–HV9910DB1	Off-line, high brightness LED driver demo board. It contains all the necessary circuitry to test the performance of the HV9910 as a constant current driver to drive a string or multiple strings of LEDs	**150.00**
689–HV9910DB2	Universal off-line high brightness LED driver demo board. The board can be used to test the performance of HV9910 as a constant driver to power a string or multiple strings of LEDs	**150.00**
689–HV9910DB3	Low volt., hi brightness LED driver demo board. Board can be used to test the performance of the HV9910 as a constant driver to power LEDs	**90.00**
689–HV9911DB1	High brightness boost LED driver demo board. The demo board is capable of driving up to 20 one-watt LEDs in series from an input of 21-27VDC. The demo board uses the HV9911 in a boost topology.	**150.00**
689–HV9921DB1	Universal off-line LED driver demo board. The demo board is a complete LED power driver to supply a string of string of LEDs using the HV9921, an integrated 3-pin high input voltage constant-current buck regulator IC	**90.00**
689–HV9922DB1	Universal off-line LED driver demo board. The demo board is a complete LED power driver to supply a string of string of LEDs using the HV9922, an integrated 3-pin high input voltage constant-current buck regulator IC	**90.00**
689–HV9923DB1	A complete LED power driver demo board that can supply a string of LEDs using the HV9923 driver IC. It integrates a 500V switching MOSFET and can operate directly from the rectified universal AC line voltage range of 80 to 264VAC	**90.00**
689–HV9930DB1	High brightness LED driver demo board. The board uses an LED driver that is capable of driving up to 7 1-watt LEDs in series from an automotive input of 9 to 25 VDC. The demo board uses Supertex's HV9930 in a boost-buck topology.	**90.00**
689–HV9930DB2	High brightness boost-buck LED driver demo board. The demo board uses an LED driver that is capable of driving 4 3-watt LEDs in series from an input of 9 to 25 VDC. The demo board uses Supertex's HV9930 in a boost-buck topology.	**90.00**
689–HV9931DB1	A universal input non-isolated constant current source for powering a strings of high-bright LEDs. It operates from the universal 90-260VAC range and accepts an external PWM dimming signal for controlling the duty ratio of the output current.	**200.00**

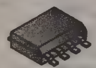

MSOP-8

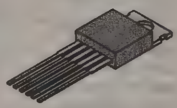
MLP/DFN-8

MLP/DFN-10


MLP/DFN-12
QFN-12


SOIC-8 (N)


SOIC-8


TO-220-7

SUPERTEX EL BACKLIGHTING DRIVER INTEGRATED CIRCUITS AND DEMO BOARDS

◆ **Surface Mount Device**

Applications:

- Pagers - HV823, HV826, HV830, HV850
- Portable Instrumentation - HV809, HV823, HV830, HV835, HV843, HV845, HV850, HV857L
- Global Positioning Systems (GPS) units - HV823, HV830, HV833, HV857, HV860
- LCD backlighting - HV833, HV835, HV843, HV845, HV857, HV857L
- Mobile cellular phones - HV823, HV826, HV830, HV835, HV843, HV845, HV850, HV857, HV857L, HV860
- PDAs - HV809, HV823, HV830, HV833, HV857, HV860
- Wireless handheld - HV835, HV843, HV845, HV857, HV857L, HV860
- Portable Transceivers - HV826, HV833, HV850
- Remote Control Units - HV826, HV833
- Calculators - HV826, HV833
- Electronic personal organizers - HV809, HV830
- Display Signs - HV809
- Dual segment lamps - HV835, HV843, HV845
- MP3 players - HV850
- Watches - HV850

HV809 Features
Input voltage up to 200V DC, 400V peak-to-peak output voltage, output load up to 350nF (100 in2 for 3.5nF/in2 lamp), adjustable output lamp frequency, adjustable On/Off pulsing frequency

HV823 Features
180V peak-to-peak output voltage, large output load capability, adjustable output lamp frequency, adjustable converter frequency, enable/disable function, low current draw under no load condition.

HV826 Features
1.8V to 3.5V operating supply voltage, adjustable output frequency, adjustable switch frequency, output voltage regulation, enable/disable function

HV830 Features
2.0V to 9.5V operating supply voltage, 200V peak-to-peak typical output voltage, large output load capability, permits the use of high-resistance elastomeric lamp connectors, adjustable output lamp frequency, adjustable converter converter frequency, enable/disable function, low current draw under no load condition, very low standby current

HV833 Features
1.8V to 6.5V operating supply voltage, separately adjustable lamp and converter frequency, <100nA shutdown current, output voltage regulation, enable/disable function, output timing for high efficiency

HV835 Features
Low audible noise, independent input control for lamp selection, 160V peak-to-peak output voltage, split supply capability, output timing, low shutdown current, wide input voltage range, output voltage regulation, no SCR output

HV843/HV845 Features
Low audible noise, independent input control for lamp selection, 180V peak-to-peak output voltage, split supply capability, output timing, low shutdown current, wide input voltage range, output voltage regulation, no SCR output

HV850 Features
Designed to drive EL lamps of up to 2.0in2, with capacitive values up to 4.5nF, no external components needed when using an external EL clock frequency, low noise and enable function

HV857/HV857L Features
Audible noise reduction, lamp aging compensation, wide input voltage range, 190V peak-to-peak output voltage, single cell lithium ion compatible, 150nA shutdown current, separately adjustable lamp and converter frequencies, output voltage regulation, split supply regulation

HV860 Features
Adjustable out regulation for dimming, 220V peak-to-peak output voltage, single cell lithium ion compatible, 150nA shutdown current, separately adjustable lamp for converter frequencies, split supply capability selection, 160V peak-to-peak output voltage, split supply capability, output timing, low shutdown current, wide input voltage range, output voltage regulation, no SCR output

RoHS Compliant

MOUSER STOCK NO. Mfr. Mfr. Part No.	Package	Input Voltage Range		Nominal Output Volt. Vcs (V)	High Volt. Supply Curr. IIN (Typ) (mA)	Max. Switch Resistance RDS(ON) Max (Ω)	Output Reg.	Driver	Maximum Lamp Size Per Driver (in^2)	Price Each			Demo Boards	Supply Voltage (V)	Price Each
		Low (V)	High (V)							1	100	500			
◆ **689–HV826MG-G**	MSOP-8	1.8	3.5	±80	35	7	Yes	Single	4	**1.43**	**1.19**	**1.10**	**689-HV826DB1**	1.8V - 3.5VDC	**50.00**
◆ **689–HV826LG-G**	SOIC-8 (N)	1.8	3.5	±80	35	6	Yes	Single	4	**1.37**	**1.14**	**1.05**	**689-HV826DB1**	1.8V - 3.5VDC	**50.00**
◆ **689–HV857MG-G**	MSOP-8	1.8	5.0	±95	20	6	Yes	Single	5	**1.25**	**1.04**	**.96**	**689-HV857DB1**	1.8V - 5VDC	**50.00**
◆ **689–HV857LK7-G**	MLP/DFN-8	1.8	5.0	±95	25	6	Yes	Single	5	**1.24**	**1.03**	**.95**	- - -	- - -	- - -
◆ **689–HV857LMG-G**	MSOP-8	1.8	5.0	±95	25	6	Yes	Single	5	**1.20**	**1.00**	**.92**	- - -	- - -	- - -
◆ **689–HV833MG-G**	MSOP-8	1.8	6.5	±90	56	4	Yes	Single	12	**1.69**	**1.41**	**1.30**	**689-HV833DB1**	1.8V - 6.5VDC	**50.00**
◆ **689–HV835K7-G**	MLP/DFN-10	2.0	5.8	±80	16	10	Yes	Dual	3.5	**1.46**	**1.22**	**1.12**	- - -	- - -	- - -
◆ **689–HV843K7-G**	MLP/DFN-10	2.0	5.8	±90	20	10	Yes	Dual	3.5	**1.46**	**1.22**	**1.12**	- - -	- - -	- - -
◆ **689–HV845K7-G**	MLP/DFN-12	2.0	5.8	±90	20	10	Yes	Dual	3.5	**1.52**	**1.26**	**1.17**	- - -	- - -	- - -
◆ **689–HV823LG-G**	SOIC-8 (N)	2.0	9.5	±90	25	6	Yes	Single	23	**2.00**	**1.66**	**1.53**	**689-HV823DB1**	3.0 - 3.3VDC	**50.00**
◆ **689–HV830LG-G**	SOIC-8 (N)	2.0	9.5	±100	35	4	Yes	Single	25	**2.15**	**1.79**	**1.65**	**689-HV830DB1**	2.0 -9.5VDC	**50.00**
◆ **689–HV860K7-G**	QFN-12	2.5	4.5	±110	16	6	Yes	Single	5	**1.37**	**1.14**	**1.05**	- - -	- - -	- - -
◆ **689–HV850MG-G**	MSOP-8	3.0	4.2	±140	- - -	N/A	Yes	Single	2	**1.56**	**1.30**	**1.20**	**689-HV850DB1**	3.0V - 4.2VDC	**50.00**
◆ **689–HV809LG-G**	SOIC-8 (N)	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	**2.34**	**1.94**	**1.80**	**689-HV809DB2**	6 VDC	**80.00**
◆ **689–HV809SG-G**	SOIC-8	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	**2.79**	**2.32**	**2.15**	- - -	- - -	- - -
689–HV809K2-G	TO-220-7	50	200	±50 - ±200	9-70	N/A	N/A	Single	100	**3.71**	**3.08**	**2.85**	**689-HV809DB1**	120 VAC	**60.00**

TEXAS INSTRUMENTS Converters

Products may be RoHS compliant.
Check mouser.com for RoHS status.

TEXAS INSTRUMENTS ANALOG-TO-DIGITAL CONVERTERS (ADC)

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Resolution (Bits)	Sample Rate (Max)	# Input Chan. (SE)	# Input Chan. (Diff)	Power Con (Typ) mW)	No. of Supplies	Price Each		
									1	25	100
Delta-Sigma											
595-ADS1100A0IDBVT	ADS1100A0IDBVT	SOP-6	16	128SPS	1	1	0.27	1	4.50	3.60	2.80
595-ADS1100A1IDBVT	ADS1100A1IDBVT	SOP-6	16	128SPS	1	1	0.27	1	4.60	4.00	3.60
595-ADS1100A2IDBVT	ADS1100A2IDBVT	SOP-6	16	128SPS	1	1	0.27	1	4.60	4.00	3.60
595-ADS1110A0IDBVT	ADS1110A0IDBVT	SOP-6	16	128SPS	1	1	0.27	1	4.95	4.30	3.87
595-ADS1112IDGST	ADS1112IDGST	VSSOP-10	16	240SPS	3	2	0.675	1	6.79	5.90	5.31
595-ADS161IPAPT	ADS1610IPAPT	HTQFP-64	16	10MSPS	-	1	960	2	65.90	59.31	52.72
595-ADS1230IPW	ADS1230IPW	TSSOP-16	20	80SPS	1	1	4.3	2	6.25	5.50	5.00
595-ADS1271IPW	ADS1271IPW	TSSOP-16	24	105kSPS	-	1	35	2	9.85	8.85	7.85
595-ADS1258IRTCT	ADS1258IRTCT	QFN-48	24	125kSPS	16	8	35	2	21.48	19.33	17.36
595-ADS1242IPWT	ADS1242IPWT	TSSOP-16	24	15SPS	4	2	0.6	1	9.20	8.00	7.20
595-ADS1210U	ADS1210U	SOP-18	24	16kSPS	1	1	27.5	1	25.30	22.00	19.80
595-ADS1251U	ADS1251U	SOIC-8	24	20kSPS	1	1	7.5	1	9.33	8.40	7.45
595-ADS1255IDBT	ADS1255IDBT	SSOP-20	24	30kSPS	1	1	36	2	13.78	12.38	10.97
595-ADS1256IDBT	ADS1256IDBT	SSOP-28	24	30kSPS	8	4	36	2	21.48	19.33	17.36
Pipeline											
595-ADS830E	ADS830E	SSOP-20	8	60MSPS	1	1	215	2	6.60	5.94	5.34
595-ADS5520IPAP	ADS5520IPAP	HTQFP-64	12	125MSPS	-	1	740	1	41.25	38.50	35.75
595-ADS5463IPFP	ADS5463IPFP	HTQFP-80	12	500MSPS	-	1	2250	3	225.00	200.00	187.50
595-ADS807E	ADS807E	SSOP-28	12	53MSPS	1	1	335	2	16.95	15.82	14.69
595-ADS5440IPFP	ADS5440IPFP	HTQFP-80	13	210MSPS	-	1	2250	-	156.00	140.40	126.10
595-ADS5444IPFP	ADS5444IPFP	HTQFP-80	13	250MSPS	-	1	2250	-	228.00	205.20	184.30
SAR											
595-TLC0838IDW	TLC0838IDW	SOP-20	8	20kSPS	8	4	3	1	3.31	2.65	2.06
595-TLC0838IN	TLC0838IN	DIP-20	8	20kSPS	8	4	3	1	3.53	2.83	2.20
595-TLC0832CP	TLC0832CP	DIP-8	8	22kSPS	2	1	12.5	1	2.99	2.39	1.86
595-TLC542CDW	TLC542CDW	SOP-20	8	25kSPS	11	-	6	1	3.22	2.57	2.00
595-TLC542CN	TLC542CN	DIP-20	8	25kSPS	11	-	6	1	3.22	2.57	2.00
595-TLC542IN	TLC542IN	DIP-20	8	25kSPS	11	-	6	1	3.89	3.50	3.14
595-TLC0831CD	TLC0831CD	SIOC	8	31kSPS	-	1	3	1	2.99	2.39	1.86
595-TLC0831CP	TLC0831CP	DIP-8	8	31kSPS	-	1	3	1	3.22	2.57	2.00
595-TLC0831IP	TLC0831IP	DIP-8	8	31kSPS	-	1	3	1	3.42	2.74	2.13
595-TLC0820ACDW	TLC0820ACDW	SOIC-20	8	392kSPS	1	-	37.5	1	4.07	3.26	2.53
595-TLC0820AIN	TLC0820AIN	DIP-20	8	392kSPS	1	-	37.5	1	4.59	3.67	2.86
595-TLC549CP	TLC549CP	DIP-8	8	40kSPS	1	-	9	1	2.38	1.90	1.43
595-TLC548CD	TLC548CD	SOP-8	8	45.5kSPS	1	-	9	1	2.70	2.16	1.68
595-TLC548CP	TLC548CP	DIP-8	8	45.5kSPS	1	-	9	1	2.93	2.34	1.82
595-TLC548ID	TLC548ID	SOP-8	8	45.5kSPS	1	-	9	1	2.93	2.34	1.82
595-ADS7830IPWT	ADS7830IPWT	TSSOP-16	8	70kSPS	8	-	0.75	1	3.57	3.10	2.79
595-TLV1570CPW	TLV1570CPW	TSSOP-20	10	1.25MSPS	8	-	9	1	9.12	8.21	7.37
595-TLV1571CDW	TLV1571CDW	SOP-24	10	1.25MSPS	1	-	12	1	7.40	5.92	5.00
595-TLC1541CN	TLC1541CN	DIP-20	10	32kSPS	11	-	6	1	6.80	5.44	4.59
595-TLC1543CDW	TLC1543CDW	SSOP-20	10	38kSPS	11	-	4	1	4.07	3.26	2.53
595-TLC1543CN	TLC1543CN	DIP-20	10	38kSPS	11	-	4	1	4.28	3.42	2.66
595-TLC1543IDW	TLC1543IDW	SOP-20	10	38kSPS	11	-	4	1	4.28	3.42	2.66
595-TLC1549CD	TLC1549CD	SOP-8	10	38kSPS	1	-	4	1	4.05	3.24	2.52
595-TLC1549CP	TLC1549CP	DIP-8	10	38kSPS	1	-	4	1	4.28	3.42	2.66
595-TLV1543CDW	TLV1543CDW	SOP-20	10	38kSPS	11	-	2.64	1	4.59	3.67	2.86
595-TLV1543CN	TLV1543CN	DIP-20	10	38kSPS	11	-	2.64	1	4.82	3.85	3.00
595-TLV1543IDB	TLV1543IDB	SSOP-20	10	38kSPS	11	-	2.64	1	4.93	3.94	3.07
595-TLV1549CD	TLV1549CD	SOP-8	10	38kSPS	1	-	1.32	1	4.44	4.00	3.59
595-TLV1544CD	TLV1544CD	SOP-16	10	85kSPS	4	-	1.05	1	4.39	3.51	2.73
595-ADS7841E	ADS7841E	SSOP-16	12	200kSPS	4	2	0.84	1	5.36	4.28	3.33
595-ADS7844E	ADS7844E	SSOP-20	12	200kSPS	8	4	0.84	1	5.52	4.42	3.73
595-ADS7844N	ADS7844N	SSOP-20	12	200kSPS	8	4	0.84	1	5.52	4.42	3.73
595-TLV2544IPW	TLV2544IPW	TSSP-16	12	200kSPS	4	-	3.3	1	9.00	7.20	6.08
595-TLC2552ID	TLC2552ID	SOP-8	12	400kSPS	2	-	15	1	8.40	6.72	5.67
595-ADS7828E/250	ADS7828E/250	TSSOP-16	12	50kSPS	8	4	0.675	-	7.40	5.92	5.00
595-TLC2543CDW	TLC2543CDW	SOP-20	12	66kSPS	11	-	5	1	8.46	6.77	5.71
595-TLC2543CN	TLC2543CN	DIP-20	12	66kSPS	11	-	5	1	8.46	6.77	5.71
595-TLC2543IDW	TLC2543IDW	SOP-20	12	66kSPS	11	-	5	1	9.02	7.22	6.09
595-TLC2543IN	TLC2543IN	DIP-20	12	66kSPS	11	-	5	1	9.02	7.22	6.09
595-TLV2543IDB	TLV2543IDB	SSOP-20	12	66kSPS	11	-	3.3	1	10.82	9.74	8.75
595-ADS7805U	ADS7805U	SOIC-28	16	100kSPS	1	-	81.5	2	31.88	29.75	27.62
595-ADS8320E/250	ADS8320E/250	VSSOP-8	16	100kSPS	-	1	1.95	1	12.47	10.84	9.76
595-ADS8320EB/250	ADS8320EB/250	VSSOP-8	16	100kSPS	-	1	1.95	1	14.10	12.26	11.03
595-ADS8321EB/250	ADS8321EB/250	MSOP-8	16	100kSPS	-	1	5.5	1	14.84	12.90	11.61
595-ADS8325IBDGKT	ADS8325IBDGKT	VSSOP-8	16	100kSPS	-	1	2.25	1	11.71	10.55	9.35
595-ADS8341E	ADS8341E	SSOP-16	16	100kSPS	4	2	3.6	1	12.36	11.10	9.84
595-ADS8341EB	ADS8341EB	SSOP-16	16	100kSPS	4	2	3.6	1	14.28	12.83	11.37
595-ADS8344N	ADS8344N	SSOP-20	16	100kSPS	8	4	3.6	1	13.33	12.00	10.64
595-ADS8330IBRSAT	ADS8330IBRSAT	QFN-16	16	1MSPS	2	-	15.5	2	40.88	35.97	32.70
595-ADS8472IRGZT	ADS8472IRGZT	QFN-48	16	1MSPS	-	1	225	2	36.80	33.12	29.44
595-ADS8410IBRGZT	ADS8410IBRGZT	QFN-48	16	2MSPS	1	-	290	2	75.44	65.60	59.04
595-ADS8410IRGZT	ADS8410IRGZT	QFN-48	16	2MSPS	1	-	290	2	37.95	35.42	33.25
595-ADS8413IBRGZT	ADS8413IBRGZT	QFN-48	16	2MSPS	-	1	290	2	79.01	68.70	61.83
595-ADS8413IRGZT	ADS8413IRGZT	QFN-48	16	2MSPS	-	1	290	2	60.95	53.00	47.70
595-ADS7807P	ADS7807P	PDIP-28	16	40kSPS	1	-	28	1	43.29	40.40	37.52
595-ADS8422IBPFBT	ADS8422IBPFBT	TQFP-48	16	4MSPS	-	1	155	3	82.88	72.93	66.30
595-ADS8422IPFBT	ADS8422IPFBT	TQFP-48	16	4MSPS	-	1	155	3	62.88	55.33	50.30
595-ADS8481IBRGZT	ADS8481IBRGZT	QFN-48	18	1MSPS	1	-	220	2	42.90	40.04	37.18
595-ADS8481IRGZT	ADS8481IRGZT	QFN-48	18	1MSPS	1	-	220	2	33.00	30.52	28.34
595-ADS8482IRGZT	ADS8482IRGZT	QFN-48	18	1MSPS	-	1	225	2	40.50	36.45	32.40

Products may be RoHS compliant.
Check mouser.com for RoHS status.

TEXAS INSTRUMENTS DIGITAL-TO-ANALOG CONVERTERS (DAC)

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Resolution (Bits)	Update Rate (MSPS)	Power Con. (Typ.) (mW)	DAC Chan.	No. of Supplies (unipolar)	Price Each			
								1	25	100	250
Current											
595-DAC5672IPFB	DAC5672IPFB	TQFP-48	14	275	330	2	-	19.88	18.55	17.23	16.96
Delta-Sigma											
595-DAC1220E	DAC1220E	SSOP-16	20	0.0005	2.5	1	1	11.08	9.98	8.84	8.48
I-steering											
595-DAC900E	DAC900E	TSSOP-28	10	200	170	1	-	9.58	8.62	7.74	6.98
595-DAC5674IPHP	DAC5674IPHP	HTQFP-48	14	400	435	1	-	22.50	21.00	19.50	19.05
595-DAC5675AIPHP	DAC5675AIPHP	HTQFP-48	14	400	660	1	1	37.50	35.00	32.50	32.00
595-DAC5686IPZP	DAC5686IPZP	HTQFP-100	16	500	445	2	-	29.63	27.65	25.68	25.08
595-DAC5687IPZP	DAC5687IPZP	HTQFP-100	16	500	-	2	5	33.75	31.50	29.25	28.80
R-2R											
595-TLV5620CD	TLV5620CD	SOP-14	8	0.048	6	4	1	2.25	1.80	1.40	1.33
595-TLV5620CN	TLV5620CN	DIP-14	8	0.048	6	4	1	2.59	2.07	1.61	1.53
595-TLC7226CDW	TLC7226CDW	SOP-20	8	0.143	90	4	1	4.90	4.41	3.96	3.57
595-TLC7226IDW	TLC7226IDW	SOP-20	8	0.143	90	4	1	4.93	3.94	3.07	2.91
595-TLC7524CD	TLC7524CD	SOIC-16	8	10	5	1	1	3.11	2.48	1.93	1.84
595-TLC7524CN	TLC7524CN	DIP-16	8	10	5	1	1	3.31	2.65	2.06	1.96
595-TLC7524EN	TLC7524EN	DIP-16	8	10	5	1	1	3.74	2.99	2.32	2.21
595-TLC7524IN	TLC7524IN	DIP-16	8	10	5	1	1	3.53	2.83	2.20	2.09
595-TLC7528CDW	TLC7528CDW	SOP-20	8	10	7.5	2	1	3.31	2.65	2.06	1.96
595-TLC7528CN	TLC7528CN	DIP-20	8	10	7.5	2	1	3.31	2.65	2.06	1.96
595-TLC7528IDW	TLC7528IDW	SOP-20	8	10	7.5	2	1	3.53	2.83	2.20	2.09
595-TLC7528IN	TLC7528IN	DIP-20	8	10	7.5	2	1	3.53	2.83	2.20	2.09
595-DAC7614E	DAC7614E	SSOP-20	12	0.089	15	4	1	10.61	9.56	8.47	8.12
595-DAC7614U	DAC7614U	SOIC-16	12	0.089	15	4	1	10.61	9.56	8.47	8.12
595-DAC7624U	DAC7624U	SOIC-28	12	0.1	15	4	1	23.38	21.04	18.90	17.05
595-DAC7612U	DAC7612U	SOIC-8	12	0.13	3.50	2	1	5.40	4.32	3.65	3.51
595-DAC7611U	DAC7611U	SOIC-8	12	0.132	5	1	1	5.45	4.36	3.39	3.22
595-DAC7611UB	DAC7611UB	SOIC-8	12	0.132	5	1	1	5.70	4.56	3.85	3.71
595-DAC811JU	DAC811JU	SOIC-28	12	0.25	625	1	2	26.40	23.76	21.34	19.25
595-DAC8803IDBT	DAC8803IDBT	SSOP-28	14	2	0.0275	4	1	31.70	28.53	25.36	22.19
595-DAC7644EB	DAC7644EB	SSOP-48	16	0.1	7.5	4	1	55.56	50.00	44.91	40.51
595-DAC8830IBDT	DAC8830IBDT	SOIC-8	16	1	0.015	1	1	18.60	16.74	14.88	13.02
595-DAC8830ICDT	DAC8830ICDT	SOIC-8	16	1	0.015	1	1	19.10	17.19	15.28	13.37
595-DAC8812IBPW	DAC8812IBPW	TSSOP-16	16	2	0.025	2	1	13.99	12.60	11.17	10.71
595-DAC8812ICPW	DAC8812ICPW	TSSOP-16	16	2	0.025	2	1	16.24	14.63	12.97	12.44
595-DAC8814IBDBT	DAC8814IBDBT	SSOP-28	16	2	0.0275	4	1	27.98	26.11	24.30	24.00
595-DAC8831IRGYT	DAC8831IRGYT	QFN-14	16	2	0.015	1	2	11.16	10.94	10.81	10.63
String											
595-TLC5628IN	TLC5628IN	DIP-16	8	0.045	15	8	1	5.50	4.40	3.71	3.58
595-TLV5628CDW	TLV5628CDW	SOP-16	8	0.045	12	8	1	5.28	4.75	4.27	3.85
595-TLC5620CD	TLC5620CD	SOP-14	8	0.048	8	4	1	3.38	2.70	2.10	2.00
595-TLC5620CN	TLC5620CN	DIP-14	8	0.048	8	4	1	3.60	2.88	2.24	2.13
595-TLC5620IN	TLC5620IN	DIP-14	8	0.048	8	4	1	3.83	3.06	2.38	2.26
595-TLV5626CD	TLV5626CD	SOP-8	8	0.278	4.2	2	1	4.28	3.42	2.66	2.53
595-TLV5629IPW	TLV5629IPW	TSSOP-20	8	0.283	18	8	1	6.30	5.04	4.25	4.10
595-DAC5571IDBVT	DAC5571IDBVT	SOP-6	8	-	0.4	1	1	1.98	1.78	1.58	1.39
595-TLC5615CD	TLC5615CD	SOP-8	10	0.075	0.75	1	1	4.07	3.26	2.53	2.41
595-TLC5615ID	TLC5615ID	SOP-8	10	0.075	0.75	1	1	4.56	4.10	3.69	3.33
595-TLC5615IP	TLC5615IP	DIP-8	10	0.075	0.75	1	1	4.28	3.42	2.66	2.53
595-TLV5606ID	TLV5606ID	SOP-8	10	0.102	0.9	1	1	3.15	2.52	1.96	1.86
595-DAC6573IPW	DAC6573IPW	TSSOP-16	10	0.188	500	4	2	6.10	4.88	4.12	3.97
595-TLV5618ACD	TLV5618ACD	SOP-8	12	0.093	1.8	2	1	8.10	6.48	5.47	5.27
595-TLV5618AID	TLV5618AID	SOP-8	12	0.093	1.8	2	1	8.70	6.96	5.87	5.66
595-DAC7512N/250	DAC7512N/250	SOP-6	12	0.095	0.345	1	1	3.04	2.74	2.43	2.13
595-DAC7513E/250	DAC7513E/250	VSSOP-8	12	0.095	0.3	1	1	3.30	2.97	2.64	2.31
595-DAC7513N/250	DAC7513N/250	SSOP-8	12	0.095	0.3	1	1	3.60	2.88	2.24	2.10
595-TLV5616CD	TLV5616CD	SOP-8	12	0.102	0.9	1	1	5.20	4.16	3.51	3.38
595-TLV5616CP	TLV5616CP	DIP-8	12	0.102	0.9	1	1	5.20	4.16	3.51	3.38
595-TLV5616IDGK	TLV5616IDGK	TSSOP-8	12	0.102	0.9	1	1	6.72	6.05	5.43	4.90
595-TLV5636ID	TLV5636ID	SOP-8	12	0.233	4.5	1	1	9.36	8.42	7.57	6.83
595-TLV5636IDGK	TLV5636IDGK	TSSOP-8	12	0.233	4.5	1	1	7.80	6.24	5.27	5.07
595-TLV5638CD	TLV5638CD	SOP-8	12	0.233	4.5	2	1	7.50	6.00	5.06	4.88
595-TLV5638QD	TLV5638QD	SOP-8	12	0.233	4.5	2	1	9.20	7.36	6.21	5.98
595-TLV5610IPW	TLV5610IPW	TSSOP-20	12	0.283	18	8	1	14.16	12.75	11.31	10.84
595-TLV5630IPW	TLV5630IPW	TSSOP-20	12	0.283	18	8	1	14.74	13.28	11.77	11.28
595-TLV5633CDW	TLV5633CDW	SOP-20	12	0.286	2.7	1	1	9.40	7.52	6.35	6.11
595-TLV5639CDW	TLV5639CDW	SOP-20	12	0.286	2.7	1	1	6.90	5.52	4.66	4.49
595-DAC7554IDGS	DAC7554IDGS	VSSOP-10	12	-	3.5	4	1	9.35	8.40	7.45	7.17
595-DAC8571IDGKR	DAC8571IDGKR	VSSOP-8	16	0.043	0.42	1	1	5.90	4.72	3.98	3.84
595-DAC8531E/250	DAC8531E/250	VSSOP-8	16	0.093	0.72	1	1	6.28	5.65	5.02	4.40
595-DAC8531IDRBT	DAC8531IDRBT	SON-8	16	0.093	0.72	1	1	6.28	5.65	5.02	4.40
595-DAC8532IDGK	DAC8532IDGK	VSSOP-8	16	0.093	1.35	2	1	8.91	8.03	7.12	6.82
595-DAC8534IPW	DAC8534IPW	TSSOP-16	16	0.093	2.7	4	2	14.58	13.13	11.64	11.16
595-DAC8554IPW	DAC8554IPW	TSSOP-16	16	0.2	3	4	1	15.60	14.56	13.52	13.31
595-DAC8544IPFB	DAC8544IPFB	TQFP-48	16	-	4.75	4	2	16.28	14.63	12.97	12.38

TEXAS INSTRUMENTS Analog ICs

RoHS Compliant This page of product is compliant.

TEXAS INSTRUMENTS

TEXAS INSTRUMENTS TEMPERATURE SENSORS

RoHS Compliant
For quantities 200 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Accuracy Over Temp. Range (Max.) (C)	Temp. Resolution Min./Max. (Bits)	Temp Range Min/Max (C)	Iq (Typ.) (uA)	Prog. Temp Thresholds	Shutdown	Price Each		
									1	25	100
I2C, SMBus											
595-TMP175AIDR	TMP175AIDR	SOIC-8	1.5	9/12	-40/125	50	Yes	Yes	2.04	1.84	1.65
595-TMP75AIDGKT	TMP75AIDGKT	VSSOP-8	2	9/12	-40/125	50	Yes	Yes	2.00	1.60	1.44
595-TMP100NA/250	TMP100NA/250	SOP-6	3	9/12	-55/125	45	Yes	Yes	2.13	1.70	1.53
595-TMP101NA	TMP101NA/250	SOP-6	3	9/12	-55/125	45	Yes	Yes	2.25	1.80	1.62
SMBus											
595-TMP275AIDGKTG4	TMP275AIDGKTG4	MSOP-8	0.5	9/12	-40/125	50	Yes	Yes	3.15	2.52	1.96
SMBus, Two-Wire											
595-TMP401AIDGKT	TMP401AIDGKT	MSOP-8	±1	9/12	-40/125	250	Yes	Yes	4.13	3.30	2.97
595-TMP411ADGKT	TMP411ADGKT	MSOP-8	±1	9/12	-40/125	400	Yes	Yes	4.14	3.35	2.65
SPI											
595-TMP121AIDBVT	TMP121AIDBVT	SOP-6	2	12/12	-40/125	35	-	Yes	2.48	1.98	1.78
595-TMP122AIDBVT	TMP122AIDBVT	SOP-6	2	9/12	-40/125	50	Yes	Yes	2.75	2.20	1.98
595-TMP123AIDBVT	TMP123AIDBVT	SOP-6	2	12/12	-55/125	35	-	Yes	2.48	1.98	1.78
595-TMP124AID	TMP124AID	SOIC-8	2	9/12	-40/125	50	Yes	Yes	1.68	1.51	1.36

TEXAS INSTRUMENTS ANALOG SWITCHES

RoHS Compliant
For quantities 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	ron (Max) (ohms)	ICC (uA)	Voltage Nodes (V)	IL OFF (Max) (nA)	Max Turn On/Off Time	Price Each			
								1	25	100	250
1 x SPST											
595-TS5A3166DBVR	TS5A3166DBVR	SOP-5	0.9	0.1	5, 3.3, 2.5, 1.8	+/-5000	7/11.5	.30	.27	.24	.22
595-TS5A3166DCKR	TS5A3166DCKR	SOP-5	0.9	0.1	5, 3.3, 2.5, 1.8	+/-5000	7/11.5	.72	.65	.58	.53
595-TS5A3166YZPR	TS5A3166YZPR	DSBGA-5	0.9	0.1	5, 3.3, 2.5, 1.8	+/-5000	7/11.5	.35	.31	.28	.26
595-TS5A3167DBVR	TS5A3167DBVR	SOP-5	0.9	0.1	5, 3.3, 2.5, 1.8	+/-5000	7/11.5	.30	.27	.24	.22
595-TS5A3167DCKR	TS5A3167DCKR	SOP-5	0.9	0.1	5, 3.3, 2.5, 1.8	+/-5000	7/11.5	.30	.27	.24	.22
595-TS5A3167YZPR	TS5A3167YZPR	DSBGA-5	0.9	0.1	5, 3.3, 2.5, 1.8	+/-5000	7/11.5	.35	.31	.28	.26
595-MAX4595DBVR	MAX4595DBVR	SOP-5	10	1	5, 3	0.5	35/40	.62	.56	.50	.46
595-MAX4596DBVR	MAX4596DBVR	SOP-5	10	1	5, 3	0.5	35/40	.62	.56	.50	.46
595-MAX4597DBVR	MAX4597DBVR	SOP-5	10	1	5, 3	0.5	35/40	.62	.56	.50	.46
1 x SPDT											
595-TS5A3154DCUR	TS5A3154DCUR	VSSOP-8	0.9	0.1	5, 3.3, 2.5, 1.8	+/-20	8/12.5	.70	.63	.56	.51
595-TS5A3159DBVR	TS5A3159DBVR	SOP-6	1.1	0.1	5, 3.3, 2.5, 1.8	+/-1000	20/15	.34	.30	.27	.25
595-TS5A3159DBVT	TS5A3159DBVT	SOP-6	1.1	0.1	5, 3.3, 2.5, 1.8	+/-1000	20/15	.76	.68	.60	.55
595-TS5A3159DCKR	TS5A3159DCKR	SOP-6	1.1	0.1	5, 3.3, 2.5, 1.8	+/-1000	20/15	.34	.30	.27	.25
595-TS5A3159DCKT	TS5A3159DCKT	SOP-6	1.1	0.1	5, 3.3, 2.5, 1.8	+/-1000	20/15	.76	.68	.60	.55
595-TS5A3160DBVR	TS5A3160DBVR	SOP-6	1.1	-	-	-	-	.34	.30	.27	.25
595-TS5A4624DCKT	TS5A4624DCKT	SOP-6	1.1	-	-	-	25/10	.68	.60	.54	.49
595-TS5A2053DCUR	TS5A2053DCUR	VSSOP-8	7.5	0.1	5, 3.3	+/-10	6.8/4.1	.38	.33	.30	.27
595-TS5A3157DBVR	TS5A3157DBVR	SOP-6	10	-	5.5	-	8.5/7.5	.23	.20	.18	.17
595-TS5A3157YZPR	TS5A3157YZPR	DSBGA-6	10	-	5.5	-	8.5/7.5	.30	.27	.24	.22
595-SN74LVC1G3157DBV	SN74LVC1G3157DBVR	SOP-6	15	10	5, 3.3, 2.5, 1.8	+/-1000	5.7/3.8	.50	.40	.30	.21
595-SN74LVC1G3157YZP	SN74LVC1G3157YZPR	WCSP-6	15	10	5, 3.3, 2.5, 1.8	+/-1000	5.7/3.8	.48	.36	.27	.20
1 X SP3T											
595-TS5A3359DCUT	TS5A3359DCUT	VSSOP-8	0.9	-	5, 3.3, 2.5, 1.8	-	21/10.5	.70	.63	.56	.51
595-TS5A3357DCUR	TS5A3357DCUR	VSSOP-8	15	1	5, 3.3, 2.5, 1.8	100	6.5/3.7	.65	.58	.52	.47
2 X SPST											
595-TS5A23166DCUR	TS5A23166DCUR	VSSOP-8	0.9	0.15	5, 3.3, 2.5, 1.8	+/-10000	9/13	.60	.53	.48	.44
595-TS5A23166YZPR	TS5A23166YZPR	DSBGA-8	0.9	0.15	5, 3.3, 2.5, 1.8	+/-10000	9/13	.63	.55	.50	.45
2 X SPDT											
595-TS5A23157DGSR	TS5A23157DGSR	VSSOP-10	10	10	5, 3.3, 2.5, 1.8	+/-1000	5.7/3.8	.84	.76	.68	.61
4 X SPST (NO)											
595-SN74LV4066ANSR	SN74LV4066ANSR	SOP-14	75	-	3.3, 2.5	+/-1000	16/16	.60	.54	.49	.44
595-SN74LV4066ARGYR	SN74LV4066ARGYR	QFN-14	75	-	3.3, 2.5	+/-1000	16/16	.72	.65	.58	.53
595-SN74HC4066D	SN74HC4066D	SOP-14	85	-	6, 5, 2	+/-5000	38/43	.24	.22	.19	.18
595-SN74HC4066N	SN74HC4066N	DIP-14	85	-	6, 5, 2	+/-5000	38/43	.50	.40	.30	.21
595-CD74HC4316M	CD74HC4316M	SOP-16	170	-	-	+/-1000	47/47	.43	.39	.35	.32
595-CD74HC4316M96	CD74HC4316M96	SOIC-16	170	-	-	+/-1000	47/47	.43	.39	.35	.32
595-CD74HCT4316M	CD74HCT4316M	SOIC-16	170	-	-	+/-1000	53/50	.55	.50	.45	.40
4 X SPDT											
595-TS3A5018DBQR	TS3A5018DBQR	SSOP-16	10	7	3.3, 2.5	+/-2000	8/6.5	.60	.53	.48	.44

TEXAS INSTRUMENTS UNIVERSAL ACTIVE FILTERS

RoHS Compliant
For quantities 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Description	Price Each			
				1	25	100	250
595-UAF42AP	UAF42AP	PDIP-14	Universal Active Filter	18.12	16.31	14.65	13.21
595-XTR116U	XTR116U	SOIC-8	4-20mA Current Loop Transmitter	2.60	2.34	1.82	1.73
595-XTR105UA	XTR105UA	SOIC-14	4-20mA Current Loop Transmitter with Sensor Excitation and Linearization	8.00	6.40	5.40	5.20
595-UAF42AU	UAF42AU	SOIC-16	Universal Active Filter	18.12	16.31	14.65	13.21
595-XTR110KP	XTR110KP	PDIP-16	Precision Voltage-to-Current Converter/Transmitter	11.83	10.65	9.44	9.05
595-XTR110KU	XTR110KU	SOIC-16	Precision Voltage-to-Current Converter/Transmitter	11.83	10.65	9.44	9.05
595-RCV420KP	RCV420KP	PDIP-16	Precision 4mA to 20mA Current Loop Receiver	10.08	9.08	8.05	7.71
595-RCV420JP	RCV420JP	PDIP-16	Precision 4mA to 20mA Current Loop Receiver	7.10	5.68	4.79	4.62
595-XTR116UA	XTR116UA	SOIC-8	4-20mA Current Loop Transmitter	2.36	1.89	1.47	1.40
595-XTR115U	XTR115U	SOIC-8	4-20mA Current Loop Transmitter	2.93	2.34	1.82	1.73
595-XTR115UA	XTR115UA	SOIC-8	4-20mA Current Loop Transmitter	2.40	1.93	1.51	1.44

TEXAS INSTRUMENTS Interface

RoHS Compliant **This page of product is compliant.**

TEXAS INSTRUMENTS

TEXAS INSTRUMENTS TOUCH SCREEN CONTROLLERS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Vfef (Int/Ext)	Touch Panel	SAR ADC Resolution	Supply Voltage (Min.)	Supply Voltage (Max.)	Price Each			
								1	25	100	250
595-ADS7843E	ADS7843E	SOP-16	Ext	4-Wire	12	2.7	5.25	3.65	2.91	2.68	2.15
595-ADS7846E	ADS7846E	SSOP-16	Int	4-Wire	12	2.7	5.25	4.39	3.51	2.73	2.59
595-ADS7846N	ADS7846N	TSSOP-16	Int	4-Wire	12	2.7	5.25	4.39	3.51	2.73	2.59

TEXAS INSTRUMENTS INTERFACE

RS-232

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Drivers per Package	Receivers Per Package	Data Rate (kbps)	ESD HBM (kV)	Supply Voltage	ICC (Max.) (mA)	Price Each			
									1	25	100	250
595-GD75232DBR	GD75232DBR	SOP-20	3	5	120	-	+-9, 5	30	.60	.45	.34	.25
595-SN75155D	SN75155D	SOP-8	1	1	120	2	-12	14	1.20	1.00	.80	.60
595-SN75155P	SN75155P	DIP-8	1	1	120	2	-12	14	1.20	1.00	.80	.60
595-MAX3221CDB	MAX3221CDB	SSOP-16	1	1	250	15	3.3, 5	1	1.32	1.19	1.07	.96
595-MAX3221CDBR	MAX3221CDBR	SSOP-16	1	1	250	15	3.3, 5	1	1.38	1.10	.83	.77
595-MAX3221CPW	MAX3221CPW	TSSOP-16	1	1	250	15	3.3, 5	1	1.32	1.19	1.07	.96
595-MAX3221CPWR	MAX3221CPWR	TSSOP-16	1	1	250	15	3.3, 5	1	1.38	1.10	.83	.77
595-MAX3221IDBR	MAX3221IDBR	SSOP-16	1	1	250	15	3.3, 5	1	1.45	1.15	.85	.79
595-MAX3221IPW	MAX3221IPW	TSSOP-16	1	1	250	15	3.3, 5	1	1.39	1.25	1.11	1.00
595-MAX3221IPWR	MAX3221IPWR	TSSOP-16	1	1	250	15	3.3, 5	1	1.45	1.15	.85	.79
595-SN65C3221PWR	SN65C3221PWR	TSSOP-16	1	1	1000	15	3.3 or 5	1	3.17	2.85	2.56	2.31
595-SN75C3221DBR	SN75C3221DBR	SSOP-16	1	1	1000	15	3.3 or 5	1	2.43	1.94	1.51	1.44
595-SN75C3221PWR	SN75C3221PWR	TSSOP-16	1	1	1000	15	3.3 or 5	1	2.43	1.94	1.51	1.44
595-MAX222IDWR	MAX222IDWR	SOIC-18	2	2	120	15	5	10	1.88	1.50	1.13	1.05
595-MAX232D	MAX232D	SOIC-16	2	2	120	2	5	10	.84	.70	.56	.42
595-MAX232DR	MAX232DR	SOIC-16	2	2	120	2	5	10	.90	.75	.60	.45
595-MAX232DW	MAX232DW	SOP-16	2	2	120	2	5	10	.90	.75	.60	.45
595-MAX232DWR	MAX232DWR	SOIC-16	2	2	120	2	5	10	.90	.75	.60	.45
595-MAX232ID	MAX232ID	SOP-16	2	2	120	2	5	10	.96	.80	.64	.48
595-MAX232IDW	MAX232IDW	SOP-16	2	2	120	2	5	10	.77	.69	.62	.56
595-MAX232IDWR	MAX232IDWR	SOIC-16	2	2	120	2	5	10	.77	.69	.62	.56
595-MAX232IN	MAX232IN	PDIP-16	2	2	120	2	5	10	.90	.75	.60	.45
595-MAX232N	MAX232N	DIP-16	2	2	120	2	5	10	.90	.75	.60	.45
595-MAX3223CDBR	MAX3223CDBR	SSOP-20	2	2	250	15	3.3, 5	1	1.75	1.40	1.05	.98
595-MAX3223CPWR	MAX3223CPWR	TSSOP-20	2	2	250	15	3.3, 5	1	1.68	1.51	1.36	1.23
595-MAX3223IDBR	MAX3223IDBR	SSOP-20	2	2	250	15	3.3, 5	1	1.90	1.50	1.10	1.02
595-MAX3232CD	MAX3232CD	SOIC-16	2	2	250	15	3.3, 5	1	1.50	1.35	1.22	1.09
595-MAX3232CDBR	MAX3232CDBR	SSOP-16	2	2	250	15	3.3, 5	1	1.75	1.40	1.05	.98
595-MAX3232CDR	MAX3232CDR	SOIC-16	2	2	250	15	3.3, 5	1	1.44	1.30	1.16	1.05
595-MAX3232CDW	MAX3232CDW	SOIC-16	2	2	250	15	3.3, 5	1	1.44	1.30	1.16	1.05
595-MAX3232CDWR	MAX3232CDWR	SOP-16	2	2	250	15	3.3, 5	1	1.50	1.20	.90	.84
595-MAX3232CPW	MAX3232CPW	TSSOP-16	2	2	250	15	3.3, 5	1	1.44	1.30	1.16	1.05
595-MAX3232CPWR	MAX3232CPWR	TSSOP-16	2	2	250	15	3.3, 5	1	1.75	1.40	1.05	.98
595-MAX3232ECPWR	MAX3232ECPWR	TSSOP-16	2	2	250	15	3.3, 5	1	1.58	1.25	.93	.86
595-MAX3232ID	MAX3232ID	SOIC-16	2	2	250	15	3.3, 5	1	1.51	1.35	1.21	1.09
595-MAX3232IDBR	MAX3232IDBR	SSOP-16	2	2	250	15	3.3, 5	1	1.51	1.35	1.21	1.09
595-MAX3232IDR	MAX3232IDR	SOIC-16	2	2	250	15	3.3, 5	1	1.58	1.25	.93	.86
595-MAX3232IDWR	MAX3232IDWR	SOP-16	2	2	250	15	3.3, 5	1	1.83	1.45	1.08	1.00
595-MAX3232IPWR	MAX3232IPWR	TSSOP-16	2	2	250	15	3.3, 5	1	1.51	1.35	1.21	1.09
595-SN75C3232DBR	SN75C3232DBR	SSOP-16	2	2	1000	15	3.3 or 5	1	4.65	3.80	2.42	2.15
595-SN75150P	SN75150P	DIP-8	2	-	120	2	-12	22	1.20	1.00	.80	.60
595-SN75C1406DW	SN75C1406DW	SOP-16	3	3	120	2	+- 12, 5	0.45	2.61	1.92	.99	.65
595-SN75C1406N	SN75C1406N	DIP-16	3	3	120	2	+- 12, 5	0.45	1.44	1.20	.96	.72
595-TL145406DW	TL145406DW	SOIC-16	3	3	120	2	+- 12, 5	20	1.30	1.04	.78	.73
595-TL145406N	TL145406N	DIP-16	3	3	120	2	+- 12, 5	20	1.30	1.04	.78	.73
595-GD75232DW	GD75232DW	SOP-20	3	5	120	-	+-9, 5	30	.60	.45	.34	.25
595-SN75185DW	SN75185DW	SOP-20	3	5	120	10	+- 12, 5	30	.75	.63	.50	.38
595-SN75LV4737ADBR	SN75LV4737ADBR	SOP-28	3	5	128	4	3 or 5	20.7	3.48	3.13	2.81	2.54
595-MAX3243CDB	MAX3243CDB	SSOP-28	3	5	250	15	3.3, 5	1	1.32	1.19	1.07	.96
595-MAX3243CDBR	MAX3243CDBR	SSOP-28	3	5	250	15	3.3, 5	1	1.38	1.10	.83	.77
595-MAX3243CDW	MAX3243CDW	SOIC-28	3	5	250	15	3.3, 5	1	1.32	1.19	1.07	.96
595-MAX3243CDWR	MAX3243CDWR	SOIC-28	3	5	250	15	3.3, 5	1	1.32	1.19	1.07	.96
595-MAX3243CPW	MAX3243CPW	TSSOP-28	3	5	250	15	3.3, 5	1	1.32	1.19	1.07	.96
595-MAX3243CPWR	MAX3243CPWR	TSSOP-28	3	5	250	15	3.3, 5	1	1.38	1.10	.83	.77
595-MAX3243IDBR	MAX3243IDBR	SOIC-28	3	5	250	15	3.3, 5	1	1.39	1.25	1.11	1.00
595-MAX3243IPWR	MAX3243IPWR	TSSOP-28	3	5	250	15	3.3, 5	1	1.39	1.25	1.11	1.00
595-SN75LP1185DW	SN75LP1185DW	SOP-20	3	5	256	15	5, +/-12	1	2.38	2.14	1.92	1.73
595-SN75C3243PWR	SN75C3243PWR	TSSOP-28	3	5	1000	15	3.3 or 5	1	3.24	2.59	2.02	1.92
595-MAX211CDBR	MAX211CDBR	SSOP-28	4	5	120	15	5	20	1.50	1.20	.90	.84
595-MAX211IDBR	MAX211IDBR	SSOP-28	4	5	120	15	5	20	1.56	1.40	1.26	1.14
595-SN75188N	SN75188N	DIP-14	4	-	120	2	-9	25	.48	.36	.27	.20
595-SN75C188D	SN75C188D	SOP-14	4	-	120	2	-12	0.16	.68	.51	.38	.28
595-SN75C188N	SN75C188N	DIP-14	4	-	120	2	-12	0.16	.68	.51	.38	.28
595-MAX3238CDBE4	MAX3238CDBE4	SSOP-28	5	3	250	15	3.3, 5	2	1.80	1.62	1.46	1.31
595-MAX3238CDBR	MAX3238CDBR	SSOP-28	5	3	250	15	3.3, 5	2	1.80	1.62	1.46	1.31
595-MAX3238CPWR	MAX3238CPWR	TSSOP-28	5	3	250	15	3.3, 5	2	1.80	1.62	1.46	1.31
595-SN75C3238DBR	SN75C3238DBR	SSOP-28	5	3	1000	15	3.3 or 5	2	3.51	2.80	2.18	2.07

RS-485

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Drivers per Package	Receivers Per Package	Signaling Rate (Mbps)	ESD (kV)	ICC (Max) (mA)	No. of Nodes	Price Each			
									1	25	100	250
595-SN65HVD3082ED	SN65HVD3082ED	SOIC-8	1	1	0.2	15	0.9	256	2.15	1.72	1.29	1.20
595-SN65HVD3082EP	SN65HVD3082EP	PDIP-8	1	1	0.2	15	0.9	256	2.15	1.72	1.29	1.20
595-SN75HVD3082ED	SN75HVD3082ED	SOIC-8	1	1	0.2	15	0.9	256	1.68	1.36	1.06	.97
595-SN65LBC184D	SN65LBC184D	SOIC-8	1	1	0.25	15	25	128	2.93	2.34	1.82	1.73
595-SN65LBC184P	SN65LBC184P	DIP-8	1	1	0.25	15	25	128	2.93	2.34	1.82	1.73
595-SN75LBC184P	SN75LBC184P	PDIP-8	1	1	0.25	15	25	128	2.70	2.16	1.68	1.60
595-SN65HVD07D	SN65HVD07D	SOIC-8	1	1	1	16	15	256	3.43	3.09	2.77	2.50
595-SN65HVD3083EDGSR	SN65HVD3083EDGSR	MSOP-10	1	1	1	16	0.75	256	2.68	2.15	1.67	1.59
595-SN65HVD24D	SN65HVD24D	SOIC-8	1	1	3	16	14	256	4.05	3.24	2.52	2.39
595-SN65HVD08D	SN65HVD08D	SOIC-8	1	1	10	16	16	256	4.28	3.42	2.66	2.53

Products may be RoHS compliant.
Check mouser.com for RoHS status.

TEXAS INSTRUMENTS INTERFACE

RS-485 Cont.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Drivers per Package	Receivers Per Package	Signaling Rate (Mbps)	ESD (kV)	ICC (Max) (mA)	No. of Nodes	Price Each			
									1	25	100	250
595-SN65LBC176D	SN65LBC176D	SOP-8	1	1	10	2	1.5	-	1.90	1.52	1.14	1.06
595-SN65LBC176DR	SN65LBC176DR	SOIC-8	1	1	10	2	1.5	-	1.82	1.64	1.47	1.33
595-SN65LBC179P	SN65LBC179P	DIP-8	1	1	10	2	5	32	1.70	1.53	1.38	1.24
595-SN65LBC180N	SN65LBC180N	DIP-14	1	1	10	2	4	32	2.11	1.90	1.71	1.54
595-SN75LBC176DR	SN75LBC176DR	SOIC-8	1	1	10	2	1.5	32	1.78	1.42	1.07	.99
595-SN75LBC176P	SN75LBC176P	DIP-8	1	1	10	2	1.5	32	1.78	1.42	1.07	.99
595-SN75LBC180D	SN75LBC180D	SOP-14	1	1	10	2	5	32	2.00	1.60	1.20	1.12
595-SN75LBC184D	SN75LBC184D	SOP-8	1	1	10	2	5	32	2.70	2.16	1.68	1.60
595-SN65HVD23D	SN65HVD23D	SOIC-8	1	1	25	16	11	64	4.05	3.24	2.52	2.39
595-SN65LBC176AD	SN65LBC176AD	SOP-8	1	1	30	12	15	32	2.42	2.18	1.96	1.77
595-SN65LBC180AD	SN65LBC180AD	SOP-14	1	1	30	10	15	32	2.71	2.44	2.19	1.98
595-SN75LBC176AD	SN75LBC176AD	SOP-8	1	1	30	12	15	32	2.21	1.99	1.78	1.61
595-SN75LBC180AD	SN75LBC180AD	SOP-14	1	1	30	10	15	32	2.52	2.27	2.04	1.84
595-SN65HVD10D	SN65HVD10D	SOIC-8	1	1	32	16	15.5	64	3.96	3.17	2.46	2.34
595-SN65HVD11D	SN65HVD11D	SOIC-8	1	1	32	16	15.5	256	3.85	3.08	2.39	2.27
595-SN65HVD12D	SN65HVD12D	SOIC-8	1	1	32	16	15.5	256	3.74	2.99	2.32	2.21
595-SN75HVD10D	SN75HVD10D	SOIC-8	1	1	32	16	15.5	64	3.43	3.09	2.77	2.50
595-SN65HVD05D	SN65HVD05D	SOIC-8	1	1	40	16	15	64	3.65	3.28	2.95	2.66
595-SN65HVD1176D	SN65HVD1176D	SOIC-8	1	1	40	10	6	160	3.31	2.65	2.06	1.96
595-SN751178N	SN751178N	DIP-16	2	2	10	2	110	32	4.84	3.87	3.01	2.86
595-SN75LBC174DW	SN75LBC174DW	SOP-20	4	4	10	2	7	32	3.53	3.18	2.85	2.57
595-SN75LBC174N	SN75LBC174N	DIP-16	4	4	10	2	7	32	3.31	2.65	2.06	1.96
595-SN65LBC174A16DW	SN65LBC174A16DW	SOIC-16	4	4	30	13	23	32	4.73	3.78	2.94	2.79
595-SN75LBC172AN	SN75LBC172AN	PDIP-16	4	4	30	13	23	32	4.54	4.08	3.67	3.31

TEXAS INSTRUMENTS CROSSPOINT-SWITCHES (>1GBPS)

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	ICC (Max) (mA)	Signaling Rate (Mbps)	No. of Tx	Tx tpd (typ (ns)	No. of Rx	Rx tpd (typ) (ns)	ESD HBM HBV (kV)	Price Each		
										1	25	100
595-SN65LVCP23PW	SN65LVCP23PW	TSSOP-16	65	1300	2	0.65	2	0.65	5	9.88	7.90	6.67
595-SN65LVCP40RGZ	SN65LVCP40RGZ	QFN-48	100	1500	2	0.9	2	0.9	4	26.10	24.36	22.62
595-SN65LVDS122PW	SN65LVDS122PW	TSSOP-16	300	4000	6	0.4	4		2	10.82	9.74	8.75

TEXAS INSTRUMENTS LVDS PHYS (<800MBPS)

For quantities 250 and up, call for quote.

595-SN65LVDS047D	SN65LVDS047D	SOP-16	26	400	4	1.8	-	-	8	2.62	2.35	2.11
595-SN65LVDS2DBVR	SN65LVDS2DBVR	SOT-23-5	7	400	-	-	1	2.6	15	1.17	.98	.78
595-SN65LVDS2DBVT	SN65LVDS2DBVT	SOP-5	7	400	-	-	1	2.6	15	1.61	1.38	1.15
595-SN65LVDT2DBVR	SN65LVDT2DBVR	SOT-23-5	7	400	-	-	1	2.6	15	1.17	.98	.78
595-SN65LVDT2DBVT	SN65LVDT2DBVT	SOP-5	7	400	-	-	1	2.6	15	1.61	1.38	1.15
595-SN65LVDS9637D	SN65LVDS9637D	SOP-8	10	400	-	-	2	2.1	8	2.33	2.10	1.88
595-SN65LVDS179D	SN65LVDS179D	SOP-8	12	400	1	1.7	1	3.7	12	2.71	2.44	2.19
595-SN65LVDS179DGK	SN65LVDS179DGK	SOP-8	12	400	1	1.7	1	3.7	12	2.54	2.03	1.58
595-SN65LVDS180D	SN65LVDS180D	SOP-14	12	400	1	1.7	1	3.7	12	2.71	2.44	2.19
595-SN65LVDS9638D	SN65LVDS9638D	SOP-8	13	400	2	1.7	-	-	8	2.43	1.94	1.46
595-SN65LVDS32D	SN65LVDS32D	SOP-16	18	400	-	-	4	2.1	8	2.84	2.27	1.76
595-SN65LVDT390PW	SN65LVDT390PW	TSSOP-16	18	630	-	-	4	2.5	15	2.84	2.27	1.76
595-SN65LVDS050D	SN65LVDS050D	SOP-16	20	400	2	1.7	2	3.7	12	3.78	3.02	2.35
595-SN65LVDS1050PW	SN65LVDS1050PW	SOP-16	20	400	2	1.7	2	3.7	12	3.78	3.02	2.35
595-SN65LVDS047PW	SN65LVDS047PW	SOP-16	26	400	4	1.8	-	-	8	2.45	1.96	1.53
595-SN65LVDS391PW	SN65LVDS391PW	SOP-16	26	630	4	1.7	-	-	15	2.84	2.27	1.76
595-SN65LVDS31D	SN65LVDS31D	SOP-16	35	400	4	1.7	-	-	8	2.84	2.27	1.76
595-SN65LVDT2DBVR	SN65LVDT2DBVR	SOT-23-5	7	400	-	-	1	2.6	15	1.17	.98	.78
595-SN65LVDT2DBVT	SN65LVDT2DBVT	SOP-5	7	400	-	-	1	2.6	15	1.61	1.38	1.15
595-SN65LVDS9637D	SN65LVDS9637D	SOP-8	10	400	-	-	2	2.1	8	2.33	2.10	1.88
595-SN65LVDS179D	SN65LVDS179D	SOP-8	12	400	1	1.7	1	3.7	12	2.71	2.44	2.19
595-SN65LVDS179DGK	SN65LVDS179DGK	SOP-8	12	400	1	1.7	1	3.7	12	2.54	2.03	1.58
595-SN65LVDS180D	SN65LVDS180D	SOP-14	12	400	1	1.7	1	3.7	12	2.71	2.44	2.19
595-SN65LVDS9638D	SN65LVDS9638D	SOP-8	13	400	2	1.7	-	-	8	2.43	1.94	1.46
595-SN65LVDS32D	SN65LVDS32D	SOP-16	18	400	-	-	4	2.1	8	2.84	2.27	1.76
595-SN65LVDT390PW	SN65LVDT390PW	TSSOP-16	18	630	-	-	4	2.5	15	2.84	2.27	1.76
595-SN65LVDS050D	SN65LVDS050D	SOP-16	20	400	2	1.7	2	3.7	12	3.78	3.02	2.35
595-SN65LVDS1050PW	SN65LVDS1050PW	SOP-16	20	400	2	1.7	2	3.7	12	3.78	3.02	2.35
595-SN65LVDS047PW	SN65LVDS047PW	SOP-16	26	400	4	1.8	-	-	8	2.45	1.96	1.53
595-SN65LVDS391PW	SN65LVDS391PW	SOP-16	26	630	4	1.7	-	-	15	2.84	2.27	1.76
595-SN65LVDS31D	SN65LVDS31D	SOP-16	35	400	4	1.7	-	-	8	2.84	2.27	1.76
595-SN65LVDS3487D	SN65LVDS3487D	SOP-16	35	400	4	1.7	-	-	8	2.84	2.27	1.76
595-SN65LVDT388ADBT	SN65LVDT388ADBT	TSSOP-38	40	630	-	-	8	2.5	15	5.49	4.39	3.42
595-SN65LVDS389DBT	SN65LVDS389DBT	TSSOP-38	70	630	8	1.7	-	-	15	5.49	4.39	3.42
595-SN65LVDT386DGG	SN65LVDT386DGG	TSSOP-64	70	630	-	-	16	2.5	15	9.32	7.46	6.29

TEXAS INSTRUMENTS M-LVDS PHYS (<500MBPS)

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	ICC (Max) (mA)	Signaling Rate (Mbps)	No. of Tx	Tx tpd (typ (ns)	No. of Rx	Rx tpd (typ) (ns)	ESD HBM HBV (kV)	Price Each		
										1	25	100
595-SN65LVDM050D	SN65LVDM050D	SOP-16	27	500	2	1.7	2	3.7	12	4.16	3.33	2.59
595-SN65LVDM051D	SN65LVDM051D	SOP-16	27	500	2	1.7	2	3.7	12	4.44	4.00	3.59
595-SN65LVDM051PW	SN65LVDM051PW	TSSOP-16	27	500	2	1.7	2	3.7	12	4.44	4.00	3.59
595-SN65LVDM1676DGG	SN65LVDM1676DGG	TSSOP-64	175	630	16	2.5	16	3	15	15.62	14.06	12.63
595-SN65LVDM176DGK	SN65LVDM176DGK	SOP-8	15	400	1	1.7	1	3.7	15	3.43	3.09	2.77
595-SN65LVDM180D	SN65LVDM180D	SOP-14	13	500	1	1.7	1	3.7	12	3.22	2.57	2.00
595-SN65MLVD204AD	SN65MLVD204AD	SOIC-8	24	100	1	2.5	1	3.6	8	3.31	2.65	2.06

TEXAS INSTRUMENTS PECL PHYS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	ICC (Max) (mA)	Signaling Rate (Mbps)	No. of Tx	Tx tpd (typ (ns)	No. of Rx	Rx tpd (typ) (ns)	ESD HBM HBV (kV)	Price Each			
										1	25	100	250
595-SN65LVDS33D	SN65LVDS33D	SOIC-16	23	400	-	-	4	4	15	3.22	2.89	2.60	2.35
595-SN65LVDS33PW	SN65LVDS33PW	TSSOP-16	23	400	-	-	4	4	15	3.22	2.89	2.60	2.35
595-SN65LVDS34D	SN65LVDS34D	SOIC-8	12	400	-	-	2	4	15	2.43	1.94	1.48	1.36
595-TB5T1D	TB5T1D	SOIC-16	35		2	2000	2	4000	3	12.02	10.80	9.58	9.22

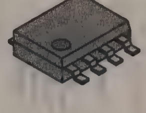
THAT CORPORATION Analog ICs

THAT Corporation

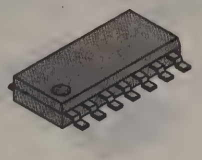
RoHS Compliant **This page of product is compliant.**

A

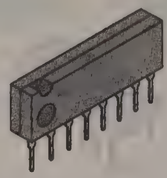
B



C



D



THAT Corporation INGENIUS® BALANCED LINE RECEIVERS

The 1200-series balanced line receivers overcome a serious limitation of conventional balanced input stages: poor common mode rejection. While conventional input stages measure well in the lab and perform well on paper, they fail to live up to their CMRR specs when fed from even slightly unbalanced source impedances — a common situation in pro sound environments. This is because conventional stages have low common-mode input impedance, which interacts with imbalances in source impedance to unbalance common-mode signals, making them indistinguishable from desired, balanced signals.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	THAT Part No.	Fig.	Package	No. of Channels	Supply Voltage (Max.)	Common Mode Rejection Ratio (Mn)	Available Set Gain	Bandwidth	Slew Rate (Min.)	THD+ Noise	Fully Differential	Price Each		
												1	25	50
887-1200P08-U	1200P08-U	A	DIP 8	1	±18V	70 dB	0 dB	22 MHz	7 V/us	0.0005%	Yes	6.66	6.11	5.55
887-1203P08-U	1203P08-U	A	DIP 8	1	±18V	70 dB	-3 dB	27 MHz	7 V/us	0.0005%	Yes	6.66	6.11	5.55
887-1206P08-U	1206P08-U	A	DIP 8	1	±18V	70 dB	-6 dB	34 MHz	7 V/us	0.0005%	Yes	6.66	6.11	5.55
887-1200S08-U	1200S08-U	B	SOIC 8	1	±18V	70 dB	0 dB	22 MHz	7 V/us	0.0005%	Yes	6.78	6.78	6.22
887-1203S08-U	1203S08-U	B	SOIC 8	1	±18V	70 dB	-3 dB	27 MHz	7 V/us	0.0005%	Yes	6.78	6.78	6.22
887-1206S08-U	1206S08-U	B	SOIC 8	1	±18V	70 dB	-6 dB	34 MHz	7 V/us	0.0005%	Yes	6.78	6.78	6.22

THAT Corporation BALANCED LINE RECEIVERS

THAT Corporation offers a family of self-contained differential amplifiers preconfigured for gains of 0, ±3, and ±6dB, intended primarily for use as audio balanced line receivers. These parts offer great audio performance with decent common-mode rejection, at a price that makes them an attractive, space-saving alternative to conventional op-amps.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	THAT Part No.	Fig.	Package	No. of Channels	Supply Voltage (Max.)	Common Mode Rejection Ratio (Mn)	Available Set Gain	Bandwidth	Slew Rate (Min.)	THD+ Noise	Fully Differential	Price Each		
												1	25	50
887-1240P08-U	1240P08-U	A	DIP 8	1	±18V	70 dB	0 dB	8 MHz	7 V/us	0.0006%	Yes	3.78	3.47	3.15
887-1243P08-U	1243P08-U	A	DIP 8	1	±18V	70 dB	±3 dB	12.2 MHz	7 V/us	0.0006%	Yes	3.78	3.47	3.15
887-1246P08-U	1246P08-U	A	DIP 8	1	±18V	70 dB	±6 dB	18 MHz	7 V/us	0.0006%	Yes	3.78	3.47	3.15
887-1240S08-U	1240S08-U	B	SOIC 8	1	±18V	70 dB	0 dB	8 MHz	7 V/us	0.0006%	Yes	3.84	3.84	3.52
887-1243S08-U	1243S08-U	B	SOIC 8	1	±18V	70 dB	±3 dB	12.2 MHz	7 V/us	0.0006%	Yes	3.84	3.84	3.52
887-1246S08-U	1246S08-U	B	SOIC 8	1	±18V	70 dB	±6 dB	18 MHz	7 V/us	0.0006%	Yes	3.84	3.84	3.52
887-1250P08-U	1250P08-U	A	DIP 8	1	±18V	40 dB	0 dB	22 MHz	7 V/us	0.0006%	Yes	1.15	1.05	.96
887-1253P08-U	1253P08-U	A	DIP 8	1	±18V	40 dB	±3 dB	22 MHz	7 V/us	0.0006%	Yes	1.15	1.05	.96
887-1256P08-U	1256P08-U	A	DIP 8	1	±18V	40 dB	±6 dB	22 MHz	7 V/us	0.0006%	Yes	1.15	1.05	.96
887-1250S08-U	1250S08-U	B	SOIC 8	1	±18V	40 dB	0 dB	22 MHz	7 V/us	0.0006%	Yes	1.39	1.29	1.19
887-1253S08-U	1253S08-U	B	SOIC 8	1	±18V	40 dB	±3 dB	22 MHz	7 V/us	0.0006%	Yes	1.39	1.29	1.19
887-1256S08-U	1256S08-U	B	SOIC 8	1	±18V	40 dB	±6 dB	22 MHz	7 V/us	0.0006%	Yes	1.39	1.29	1.19

THAT Corporation AUDIO AMPLIFIERS

The THAT 1510 and 1512 are high performance audio preamplifiers suitable for microphone preamp and bus summing applications. Gain is adjustable via one external resistor, making it possible to control gain over a wide range with a single-gang potentiometer.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	THAT Part No.	Fig.	Package	No. of Channels	Supply Voltage (Max.)	Input Bias Current (Max.)	Available Set Gain	Bandwidth	Slew Rate (Min.)	THD+ Noise (ødB gain)	Fully Differential	Price Each		
												1	25	50
887-1510P08-U	1510P08-U	A	DIP 8	1	±20V	14 uA	0-70dB	>3MHz	13 V/us	0.0005%	Yes	4.83	4.43	4.03
887-1510S14-U	1510S14-U	C	SOIC 14	1	+/- 20 V	14 uA	0-70dB	>3MHz	13 V/us	0.0005%	Yes	4.79	4.79	4.45
887-1512P08-U	1512P08-U	A	DIP 8	1	±20V	14 uA	0-70dB	>1.6MHz	13 V/us	0.0010%	Yes	5.79	5.31	4.83
887-1512S08-U	1512S08-U	B	SOIC 8	1	±20V	14 uA	0-70dB	>1.6MHz	13 V/us	0.0010%	Yes	5.79	5.31	4.83
887-1512S14-U	1512S14-U	C	SOIC 14	1	±20V	14 uA	0-70dB	>1.6MHz	13 V/us	0.0010%	Yes	5.97	5.47	4.98

THAT Corporation BLACKMER® VOLTAGE CONTROLLED AMPLIFIERS

THAT Corporation Blackmer VCAs are characterized by an exponential control characteristic (gain varies directly in decibels -- dBs -- with control voltage), extremely wide dynamic range, and low signal distortion. Our latest designs are particularly neutral in sound, imparting little or no coloration to audio signals in and of themselves.

RoHS Compliant

For quantities of 100 and up, call for quote.

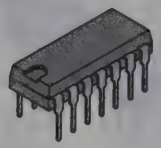
MOUSER STOCK NO.	THAT Part No.	Fig.	Package	No. of Channels	Supply Voltage (Max.)	Supply Current Total (Max)	Input Bias Current	Available Set Gain	Slew Rate (Min.)	THD+ Noise	Price Each		
											1	25	50
887-2180AL08-U	2180AL08-U	D	SIP 8	1	±18V	4mA	10mA	-100-30dB	12 V/us	0.005	10.17	9.32	8.48
887-2180BL08-U	2180BL08-U	D	SIP 8	1	±18V	4mA	12mA	-100-30dB	12 V/us	0.008	6.66	6.11	5.55
887-2180CL08-U	2180CL08-U	D	SIP 8	1	±18V	4mA	15mA	-100-30dB	12 V/us	0.2	5.46	5.01	4.55
887-2181AL08-U	2181AL08-U	D	SIP 8	1	±18V	4mA	10mA	-100-30dB	12 V/us	-	9.87	9.05	8.23
887-2181BL08-U	2181BL08-U	D	SIP 8	1	±18V	4mA	12mA	-100-30dB	12 V/us	-	6.21	5.69	5.18
887-2181CL08-U	2181CL08-U	D	SIP 8	1	±18V	4mA	15mA	-100-30dB	12 V/us	-	5.13	4.70	4.28
887-2181AS08-T	2181AS08-T	B	SOIC 8	1	±18V	4mA	10mA	-100-30dB	12 V/us	0.005	11.43	10.48	9.53
887-2181BS08-T	2181BS08-T	B	SOIC 8	1	±18V	4mA	12mA	-100-30dB	12 V/us	0.008	7.26	6.66	6.05
887-2181CS08-T	2181CS08-T	B	SOIC 8	1	±18V	4mA	15mA	-100-30dB	12 V/us	0.2	6.21	5.69	5.18

THAT CORPORATION Analog ICs

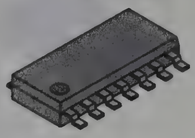
THAT Corporation

RoHS Compliant **This page of product is compliant.**

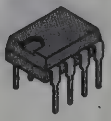
A



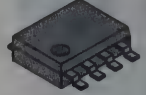
B



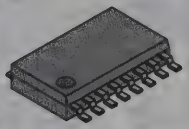
C



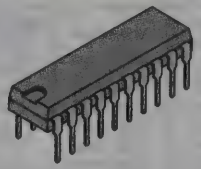
D



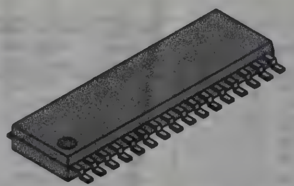
E



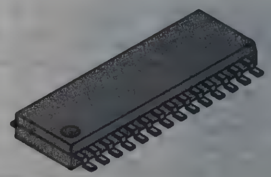
F



G



H



THAT Corporation MATCHED TRANSISTOR ARRAYS

The THAT 300 series are large-geometry, 4-transistor, monolithic NPN and/or PNP arrays exhibiting both high speed and low noise, with excellent parameter matching between transistors of the same gender. With typical base-spreading resistances of 25 ohms for the PNP devices (30 ohms for the NPNs), their low voltage noise of under 1 nV/Hz1/2, the 300 series are ideally suited for low-noise amplifier input stages.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	THAT Part No.	Fig.	Package	No. of Channels	Supply Voltage (Max.)	Offset Voltage (Max)	Output Current (Typ)	Bandwidth	Supply Current Total	Price Each		
										1	25	50
887-300P14-U	300P14-U	A	DIP 14	1	0-36V	±3mV	10mA	>300MHz ft	10mA	**7.68**	**7.04**	**6.40**
887-320P14-U	320P14-U	A	DIP 14	1	0-36V	±3mV	10mA	>300MHz ft	10mA	**7.68**	**7.04**	**6.40**
887-340P14-U	340P14-U	A	DIP 14	1	0-36V	±3mV	10mA	>300MHz ft	10mA	**7.68**	**7.04**	**6.40**
887-300S14-U	300S14-U	B	SOIC 14	1	0-36V	±3mV	10mA	>300MHz ft	10mA	**7.53**	**7.53**	**7.53**
887-320S14-U	320S14-U	B	SOIC 14	1	0-36V	±3mV	10mA	>300MHz ft	10mA	**7.53**	**7.53**	**7.53**
887-340S14-U	340S14-U	B	SOIC 14	1	0-36V	±3mV	10mA	>300MHz ft	10mA	**7.53**	**7.53**	**7.53**

THAT Corporation OUTSMARTS™ BALANCED LINE DRIVERS

The THAT 1606 and 1646 are a new generation of monolithic audio differential line drivers offering improved performance over conventional cross-coupled designs. Based on a high-performance, fully differential opamp and laser-trimmed thin-film resistors, both families exhibit low noise and distortion, high slew rate, and wide output swing. The parts are stable when driving difficult loads, and have short-circuit protected outputs.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	THAT Part No.	Fig.	Package	No. of Channels	Supply Voltage (Max.)	Output Common Mode Rejection	Available Set gain	Bandwidth	Slew Rate (Mn)	THD+ Noise	Fully Differential Input	Price Each		
												1	25	50
887-1646P08-U	1646P08-U	C	DIP 8	1	±18V	46 db	5.80-6.20 db	10 MHz typ	15 V/us typ	0.0007%	No	**4.78**	**3.89**	**3.54**
887-1646S08-U	1646S08-U	D	SOIC 8	1	±18V	46 db	5.80-6.20 db	10 MHz typ	15 V/us typ	0.0007%	No	**4.78**	**3.89**	**3.54**
887-1606Q16-U	1606Q16-U	E	QSOP 16	1	±18V	46 db	5.80-6.20 db	10 MHz typ	15 V/us typ	0.0007%	Yes	**5.02**	**4.09**	**3.72**

THAT Corporation ANALOG ENGINE® DYNAMICS PROCESSORS

These single-chip audio dynamics processors combine all the active circuitry needed to construct a wide range of dynamics processors. The 43xx series includes a high-performance, exponentially-controlled Blackmer® VCA and a log-responding rms-level sensor. The 4301 and 4320 include three general-purpose opamps allowing more complex signal processing.

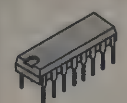
RoHS Compliant

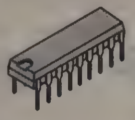
For quantities of 100 and up, call for quote.

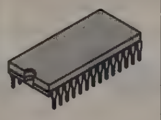
MOUSER STOCK NO.	THAT Part No.	Fig.	Package	Supply Voltage (Max.)	Supply Type	Supply Current	OPamps Included	VCA THD	Adjust Symmetry	VCA Control Pods	VCA Gain Range	Price Each		
												1	25	50
887-4301AP20-I	4301AP20-I	F	DIP 20	±7 ~ ±15	Dual	~12 mA	Yes	< 0.03%	Yes	2 (+/-)	-100 ~ +40	**13.17**	**12.07**	**12.07**
887-4301M30-I	4301M30-I	G	DMP 30	±7 ~ ±15	Dual	~12 mA	Yes	< 0.03%	Yes	2 (+/-)	-100 ~ +40	**11.13**	**10.20**	**9.28**
887-4301P20-I	4301P20-I	F	DIP 20	±7 ~ ±15	Dual	~12 mA	Yes	< 0.03%	Yes	2 (+/-)	-100 ~ +40	**10.17**	**9.32**	**9.32**
887-4305Q16-U	4305Q16-U	E	QSOP 16	4.5 ~ 16	Dual	3.5 mA	No	~ 0.07 %	No	2 (+/-)	± 60	**5.88**	**5.88**	**5.39**
887-4315Q16-U	4315Q16-U	E	QSOP 16	4.5 ~ 16	Single	1.6 mA	No	~ 0.07 %	No	2 (+/-)	± 60	**5.04**	**4.62**	**4.20**
887-4320Q28-U	4320Q28-U	H	QSOP 28	4.5 ~ 16	Single	3.7 mA	Yes	~ 0.05 %	No	1 (+)	-100 ~ +40	**12.75**	**12.75**	**11.69**

SILICONIX Analog ICs

RoHS Compliant This page of product is compliant.

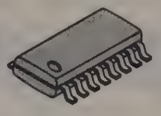

DIP-16


DIP-18

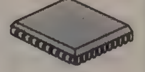

DIP-28

TSSOP-16

SO-16


SO-28

PLCC-28


PLCC-44

ANALOG MULTIPLEXERS

RoHS Compliant

4-Channel Differential

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Drain On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each			
										1	100	500	1000
Surface Mount													
781-DG409DQ-E3	DG409DQ-T1-E3	TSSOP-16	100	1	250	20	+/- 15	600	-40 to +85	2.56	2.07	1.95	1.77
781-DG409DY-E3	DG409DY-E3	SO-16	100	1	250	20	+/- 15	600	-40 to +85	2.37	1.92	1.81	1.64
Thru-Hole													
781-DG409DJ-E3	DG409DJ-E3	DIP-16	100	1	250	20	+/- 15	450	-40 to +85	2.79	2.26	2.13	1.93

8-Channel Single Ended

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Drain On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each			
										1	100	500	1000
Surface Mount													
781-DG408LDY-E3	D408LDY-E3	SO-16	30	0.3	60	5	- 6 to + 12	600	-40 to +85	1.13	.92	.86	.78
781-DG408DQ-E3	DG408DQ-T1-E3	TSSOP-16	100	1	250	20	+/- 15	600	-40 to +85	2.56	2.07	1.95	1.77
781-DG408DY-E3	DG408DY-E3	SO-16	100	1	250	20	+/- 15	600	-40 to +85	2.37	1.92	1.81	1.64
Thru-Hole													
781-DG408DJ-E3	DG408DJ-E3	DIP-16	100	1	250	20	+/- 15	450	-40 to +85	2.79	2.26	2.13	1.93
781-DG428DJ-E3	DG428DJ-E3	DIP-18	100	1	250	1	+/- 15	470	-40 to +85	4.01	3.25	3.06	2.77

8-Channel Differential

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Drain On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each			
										1	100	500	1000
Surface Mount													
781-DG407DN-E3	D407DN-E3	PLCC-28	100	1	350	15	+/- 15	450	-40 to +85	6.38	5.17	4.86	4.41
781-DG407DW-E3	DG407DW-E3	SO-28	100	1	350	15	+/- 15	450	-40 to +85	6.99	5.66	5.33	4.83
Thru-Hole													
781-DG407DJ-E3	DG407DJ-E3	DIP-28	100	1	350	15	+/- 15	625	-40 to +85	6.03	4.88	4.59	4.16

16-Channel Single Ended

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Drain On Leakage Current (Max)(nA)	Transition Time (Max)(nS)	Change Injection (Typ)(pC)	Analog Signal Range (V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each			
										1	100	500	1000
Surface Mount													
781-DG536DN-E3	DG536DN-E3	PLCC-44	90	10	300	- 35	0 to + 10	450	-40 to +85	9.39	7.60	7.15	6.48
781-DG406DN-E3	DG406DN-E3	PLCC-28	100	1	350	15	+/- 15	450	-40 to +85	5.29	4.28	4.03	3.65
781-DG406DW-E3	DG406DW-E3	SO-28	100	1	350	15	+/- 15	450	-40 to +85	5.78	4.68	4.40	3.99
Thru-Hole													
781-DG406DJ-E3	DG406DJ-E3	DIP-28	100	1	350	15	+/- 15	625	-40 to +85	5.08	4.11	3.87	3.51

ANALOG SWITCHES

RoHS Compliant

4-Channel SPST

For quantities of 2000 and up, call for quote.

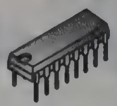
MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Source Off Leakage Current (Max)(nA)	Turn-On Time (Max)(nS)	Charge Injection (Typ)(pC)	Supply Voltage (Max)(V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each			
										1	100	500	1000
Surface Mount													
781-DG641DY-E3	DG641DY-E3	SO-16	15	10	70	- 19	21	600	-40 to +85	2.75	2.23	2.10	1.90
781-DG411DY-E3	DG411DY-E3	SO-16	35	0.25	175	5	44	600	-40 to +85	2.08	1.68	1.58	1.44
781-DG412DY-E3	DG412DY-E3	SO-16	35	0.25	175	5	44	600	-40 to +85	1.81	1.46	1.38	1.25
781-DG413DY-E3	DG413DY-E3	SO-16	35	0.25	175	5	44	600	-40 to +85	1.81	1.46	1.38	1.25
781-DG611DY-E3	DG611DY-E3	SO-16	45	0.25	25	4	21	600	-40 to +85	3.02	2.45	2.30	2.09
781-DG612DY-E3	DG612DY-E3	SO-16	45	0.25	25	4	21	600	-40 to +85	3.02	2.45	2.30	2.09
781-DG613DY-E3	DG613DY-E3	SO-16	45	0.25	35	7	21	600	-40 to +85	3.02	2.45	2.30	2.09
781-DG201HSDQ-E3	DG201HSDQ-T1-E3	TSSOP-16	50	1	60	- 5	44	600	-40 to +85	3.21	2.60	2.45	2.22
781-DG201HSDY-E3	DG201HSDY-E3	SO-16	50	1	60	- 5	44	600	-40 to +85	3.72	3.01	2.83	2.57
781-DG271BDY-E3	DG271BDY-E3	SO-16	50	1	65	9	44	600	-40 to +85	3.91	3.16	2.98	2.70
781-DG541DY-E3	DG541DY-E3	SO-16	60	10	70	- 25	21	640	-40 to +85	2.94	2.38	2.24	2.03
781-DG441DY-E3	DG441DY-E3	SO-16	85	0.5	250	1	44	900	-40 to +85	1.43	1.16	1.09	.99
781-DG442DY-E3	DG442DY-E3	SO-16	85	0.5	250	1	44	900	-40 to +85	1.43	1.16	1.09	.99
781-DG444DY-E3	DG444DY-E3	SO-16	85	0.5	250	1	44	640	-40 to +85	1.49	1.21	1.14	1.03
781-DG445DY-E3	DG445DY-E3	SO-16	85	0.5	250	1	44	640	-40 to +85	1.49	1.21	1.14	1.03
781-DG201BDQ-E3	DG201BDQ-T1-E3	TSSOP-16	85	0.5	300	1	44	640	-40 to +85	1.62	1.31	1.23	1.12
781-DG201BDY-E3	DG201BDY-E3	SO-16	85	0.5	300	1	44	640	-40 to +85	1.45	1.17	1.10	1.00
781-DG202BDQ-E3	DG202BDQ-T1E3	TSSOP-16	85	0.5	300	1	44	640	-40 to +85	1.62	1.31	1.23	1.12
781-DG202BDY-E3	DG202BDY-T1-E3	SO-16	85	0.5	300	1	44	640	-40 to +85	1.51	1.22	1.15	1.04
781-DG211BDQ-E3	DG211BDQ-T1-E3	TSSOP-16	85	0.5	300	1	44	640	-40 to +85	1.41	1.14	1.07	.97
781-DG211BDY-E3	DG211BDY-E3	SO-16	85	0.5	300	1	44	640	-40 to +85	1.45	1.17	1.10	1.00
781-DG212BDQ-E3	DG212BDQ-T1-E3	TSSOP-16	85	0.5	300	1	44	640	-40 to +85	1.45	1.17	1.10	1.00
781-DG212BDY-E3	DG212BDY-E3	SO-16	85	0.5	300	1	44	640	-40 to +85	1.41	1.14	1.07	.97

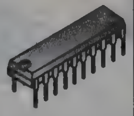
SILICONIX Analog ICs

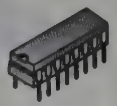
RoHS Compliant **This page of product is compliant.**

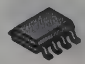
DIP-8

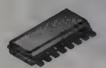
DIP-14

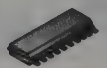

DIP-16


DIP-20


CDIP-16


SO-8


SO-16


SO-20

TSOP-6

MSOP-8

ANALOG SWITCHES

4-Channel SPST

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Switch On-Resistance (Max)(Ω)	Source Off Leakage Current (Max)(nA)	Turn-On Time (Max)(nS)	Charge Injection (Typ)(pC)	Supply Voltage (Max)(V)	Package Power Dissipation (Max)(mW)	Temp. Range (°C)	Price Each			
										1	100	500	1000
Thru-Hole													
781-DG411DJ-E3	DG411DJ-E3	DIP-16	35	0.25	175	5	44	470	-40 to +85	2.88	2.33	2.19	1.99
781-DG412DJ-E3	DG412DJ-E3	DIP-16	35	0.25	175	5	44	470	-40 to +85	2.58	2.09	1.97	1.78
781-DG413DJ-E3	DG413DJ-E3	DIP-16	35	0.25	175	5	44	470	-40 to +85	2.58	2.09	1.97	1.78
781-DG611DJ-E3	DG611DJ-E3	DIP-16	45	0.25	25	4	21	470	-40 to +85	2.98	2.41	2.27	2.06
781-DG612DJ-E3	DG612DJ-E3	DIP-16	45	0.25	25	4	21	470	-40 to +85	2.98	2.41	2.27	2.06
781-DG613DJ-E3	DG613DJ-E3	DIP-16	45	0.25	35	7	21	470	-40 to +85	2.98	2.41	2.27	2.06
781-DG201HSDJ-E3	DG201HSDJ-E3	DIP-16	50	1	60	- 5	44	470	-40 to +85	3.72	3.01	2.83	2.57
781-DG271BCJ-E3	DG271BCJ-E3	DIP-16	50	1	65	9	44	470	0 to +70	3.91	3.16	2.98	2.70
781-DG541DJ-E3	DG541DJ-E3	DIP-16	60	10	70	- 25	21	470	-40 to +85	2.90	2.35	2.21	2.00
781-DG441DJ-E3	DG441DJ-E3	DIP-16	85	0.5	250	1	44	450	-40 to +85	1.81	1.46	1.38	1.25
781-DG442DJ-E3	DG442DJ-E3	DIP-16	85	0.5	250	1	44	450	-40 to +85	1.81	1.46	1.38	1.25
781-DG444DJ-E3	DG444DJ-E3	DIP-16	85	0.5	250	1	44	450	-40 to +85	1.49	1.21	1.14	1.03
781-DG445DJ-E3	DG445DJ-E3	DIP-16	85	0.5	250	1	44	450	-40 to +85	1.49	1.21	1.14	1.03
781-DG201BDJ-E3	DG201BDJ-E3	DIP-16	85	0.5	300	1	44	470	-40 to +85	1.62	1.31	1.23	1.12
781-DG202BDJ-E3	DG202BDJ-E3	DIP-16	85	0.5	300	1	44	470	-40 to +85	1.45	1.17	1.10	1.00
781-DG211BDJ-E3	DG211BDJ-E3	DIP-16	85	0.5	300	1	44	470	-40 to +85	1.41	1.14	1.07	.97
781-DG212BDJ-E3	DG212BDJ-E3	DIP-16	85	0.5	300	1	44	470	-40 to +85	1.41	1.14	1.07	.97

4-Channel SPDT

RoHS Compliant

Surface Mount													
781-DG333ADW-E3	DG333ADW-E3	SO-20	45	0.25	175	10	44	800	-40 to +85	3.40	2.75	2.59	2.35
781-DG333ALDW-E3	DG333ALDW-E3	SO-20	45	0.25	175	10	44	800	-40 to +85	4.07	3.30	3.10	2.81
Thru-Hole													
781-DG333ADJ-E3	DG333ADJ-E3	DIP-20	45	0.25	175	10	44	890	-40 to +85	3.97	3.21	3.02	2.74
781-DG333ALDJ-E3	DG333ALDJ-E3	DIP-20	45	0.25	175	10	44	890	-40 to +85	4.26	3.45	3.25	2.94

2-Channel SPST

RoHS Compliant

Surface Mount													
781-DG9232DQ-E3	DG9232DQ-T1-E3	MSOP-8	30	0.01	120	1	13	400	-40 to +85	1.28	1.04	.98	.88
781-DG9232DY-E3	DG9232DY-E3	SO-8	30	0.01	120	1	13	400	-40 to +85	1.18	.95	.90	.81
781-DG9233DQ-E3	DG9233DQ-T1-E3	MSOP-8	30	0.01	120	1	13	400	-40 to +85	1.28	1.04	.98	.88
781-DG9233DY-E3	DG9233DY-E3	SO-8	30	0.01	120	1	13	400	-40 to +85	1.18	.95	.90	.81
781-DG9262DQ-E3	DG9262DQ-T1-E3	MSOP-8	80	0.01	120	1	13	400	-40 to +85	1.24	1.00	.94	.86
781-DG9262DY-E3	DG9262DY-E3	SO-8	80	0.01	120	1	13	400	-40 to +85	1.13	.92	.86	.78
781-DG9263DQ-E3	DG9263DQ-T1-E3	MSOP-8	80	0.01	120	1	13	400	-40 to +85	1.24	1.00	.94	.86
781-DG9263DY-E3	DG9263DY-E3	SO-8	80	0.01	120	1	13	400	-40 to +85	1.13	.92	.86	.78
Thru-Hole													
781-DG200BDJ-E3	DG200BDJ-E3	DIP-14	85	2	1000	1	25	470	-40 to +85	1.79	1.05	1.36	1.23

2-Channel SPDT

RoHS Compliant

Surface Mount													
781-DG643DY-E3	DG643DY-E3	SO-16	15	10	70	- 19	21	600	-40 to +85	2.77	2.24	2.11	1.91
781-DG403DY-E3	DG403DY-E3	SO-16	35	0.25	150	60	44	600	-40 to +85	2.81	2.28	2.14	1.94
Thru-Hole													
781-DG403DJ-E3	DG403DJ-E3	DIP-16	35	0.25	150	60	44	450	-40 to +85	3.55	3.23	2.75	2.42
781-DG303BDJ-E3	DG303BDJ-E3	DIP-14	50	5	150	8	44	470	-40 to +85	3.02	2.45	2.30	2.09

2-Channel DPST

RoHS Compliant

Surface Mount													
781-DG405DY-E3	DG405DY-E3	SO-16	35	0.25	150	60	44	600	-40 to +85	3.21	2.60	2.45	2.22
Thru-Hole													
781-DG405DJ-E3	DG405DJ-E3	DIP-16	35	0.25	150	60	44	450	-40 to +85	3.55	3.23	2.75	2.42

1-Channel SPST

RoHS Compliant

Surface Mount													
781-DG417DY-E3	DG417DY-E3	SO-8	35	0.25	175	60	44	400	-40 to +85	1.28	1.04	.98	.88
781-DG418DY-E3	DG418DY-E3	SO-8	35	0.25	175	60	44	400	-40 to +85	1.28	1.04	.98	.88
781-DG9431DV-T1-E3	DG9431DV-T1-E3	TSOP-6	50	0.01	120	1	13	400	-40 to +85	1.18	.95	.90	.81
781-DG9431DY-E3	DG9431DY-E3	SO-8	50	0.01	120	1	13	400	-40 to +85	1.18	.95	.90	.81
781-DG9461DV-E3	DG9461DV-T1-E3	TSOP-6	80	5	120	1	13	400	-40 to +85	1.11	.90	.85	.77
781-DG9461DY-E3	DG9461DY-E3	SO-8	80	5	120	1	13	400	-40 to +85	1.11	.90	.85	.77
Thru-Hole													
781-DG418DJ-E3	DG418DJ-E3	DIP-8	35	0.25	175	60	44	400	-40 to +85	1.58	1.28	1.20	1.09

1-Channel SPDT

RoHS Compliant

Surface Mount													
781-DG419DY-E3	DG419DY-E3	SO-8	35	0.25	175	60	44	400	-40 to +85	1.28	1.04	.98	.88
Thru-Hole													
781-DG642DJ-E3	DG642DJ-E3	DIP-8	8	10	100	- 40	21	300	-40 to +85	2.06	1.67	1.57	1.42
781-DG419DJ-E3	DG419DJ-E3	DIP-8	35	0.25	175	60	44	400	-40 to +85	1.97	1.60	1.50	1.36

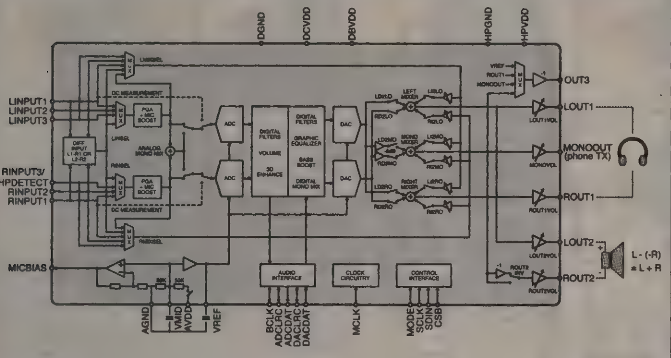
WOLFSON MICROELECTRONICS Stereo CODECs

wolfson microelectronics

RoHS Compliant **This page of product is compliant.**

STEREO CODEC FOR PORTABLE AUDIO APPLICATIONS

The WM8750BL is a low power, high quality stereo CODEC designed for portable digital audio applications.


DGND
DCVDD
DBVDD
HPGND
HPVDD
LINPUT1
LINPUT2
LINPUT3
RINPUT3/HPDETECT
RINPUT2
RINPUT1
MICBIAS
ADC
DAC
DIGITAL FILTERS
VOLUME
3D ENHANCE
GRAPHIC EQUALIZER
BASS BOOST
AUDIO INTERFACE
CLOCK CIRCUITRY
CONTROL INTERFACE
OUT3
LOUT1
MONOOUT (phone TX)
ROUT1
LOUT2
ROUT2
L - (-R) = L + R
AGND
VMID
AVDD
VREF
BCLK
ADCLRC
ADCDAT
DACLRC
DACDAT
MCLK
MODE
SCLK
SDIN
CSB

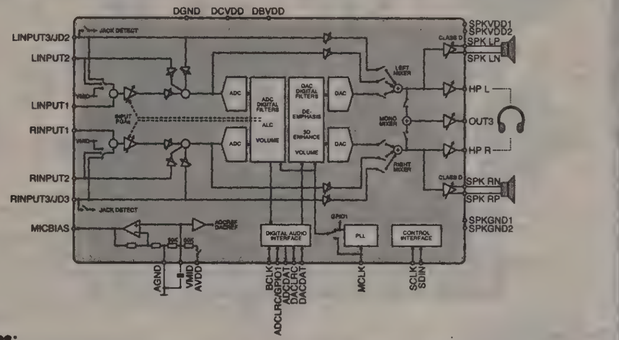
Features:
- DAC SNR 97dB ('A' weighted), THD -85dB at 48kHz, 3.3V
- ADC SNR 88dB ('A' weighted), THD -80dB at 48kHz, 3.3V
- Complete Stereo / Mono Microphone Interface:
  - Programmable ALC / Noise Gate
- On-chip 400mW BTL Speaker Driver (mono)
- On-chip Headphone Driver:
  - >40mW output power on 16Ω / 3.3V
  - THD –73dB at 5mW, SNR 98dB with 16Ω load
  - No DC blocking capacitors required (capless mode)
- Separately mixed mono output
- Digital Graphic Equaliser
- Low Power:
  - 6 mW stereo playback (1.8V / 1.5V supplies)
  - 13 mW record & playback (1.8V / 1.5V supplies)
- Low Supply Voltages:
  - Analog 1.8V to 3.6V
  - Digital core: 1.42V to 3.6V
  - Digital I/O: 1.8V to 3.6V
- 256fs / 384fs or USB master clock rates: 12MHz, 24MHz
- 5x5x0.9mm QFN package

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM8750BLGEFL/R	5.06	4.78	4.23	3.68

STEREO CODEC WITH 1W STEREO CLASS D SPEAKER AND HEADPHONE DRIVERS

The WM8960 is a low power, high quality stereo codec designed for portable digital audio and cell phone applications. Stereo class D speaker drivers provide 1W per channel into 8Ω loads with a 5V supply. Low leakage, excellent PSRR and pop/click suppression mechanisms also allow direct battery connection to the speaker supply.


DGND
DCVDD
DBVDD
LINPUT3/JD2
LINPUT2
LINPUT1
RINPUT1
RINPUT2
RINPUT3/JD3
MICBIAS
JACK DETECT
ADC
DAC
ALC
VOLUME
3D ENHANCE
DE-EMPHASIS
DIGITAL AUDIO INTERFACE
PLL
CONTROL INTERFACE
SPKVDD1
SPKVDD2
SPK LP
SPK LN
HP L
OUT3
HP R
SPK RN
SPK RP
SPKGND1
SPKGND2
AGND
VMID
AVDD
BCLK
ADCLRC/GPIO1
ADCDAT
DACLRC
DACDAT
MCLK
SCLK
SDIN

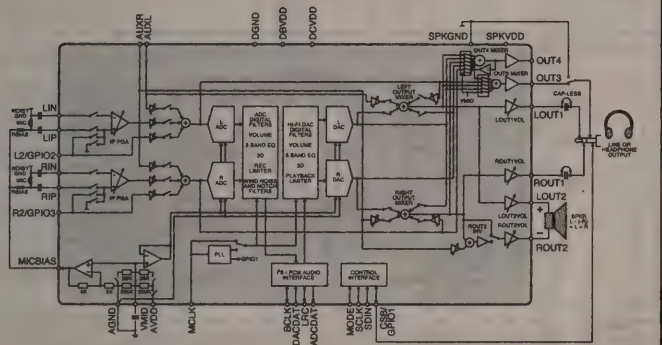
Features:
- DAC SNR 98dB ('A' weighted), THD -84dB at 48kHz, 3.3V
- ADC SNR 94dB ('A' weighted), THD -82dB at 48kHz, 3.3V
- Pop and click suppression
- 3D Enhancement
- Stereo Class D Speaker Driver:
  - <0.1% THD with 1W per channel into 8Ω BTL speakers
  - 70dB PSRR @217Hz
  - 87% efficiency (1W output)
  - Flexible internal switching clock
- On-chip Headphone Driver:
  - 40mW output power into 16Ω at 3.3V
  - Capless mode support
  - THD -75dB at 20mW, SNR 90dB with 16Ω load
- Microphone Interface:
  - Pseudo differential for high noise immunity
  - Integrated low noise MICBIAS
  - Programmable ALC / Limiter & Noise Gate

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM8960GEFL/RV	7.81	7.38	6.53	5.68

STEREO CODEC WITH SPEAKER DRIVERS

The WM8978 is a low power, high quality stereo codec designed for portable applications such as Digital still camera or Digital Camcorder.


AUXR
AUXL
DGND
DBVDD
DCVDD
SPKGND
SPKVDD
LIN
LIP
L2/GPIO2
RIN
RIP
R2/GPIO3
MICBIAS
ADC
DAC
ADC DIGITAL FILTERS
VOLUME
5 BAND EQ
3D
REC LIMITER
WIND NOISE AND NOTCH FILTERS
HI-FI DAC DIGITAL FILTERS
PLAYBACK LIMITER
PLL
I²S / PCM AUDIO INTERFACE
CONTROL INTERFACE
OUT4
OUT3
LOUT1
ROUT1
LOUT2
ROUT2
CAP-LESS
LINE OR HEADPHONE OUTPUT
AGND
VMID
AVDD
MCLK
BCLK
DACDAT
LRC
ADCDAT
MODE
SCLK
SDIN
CSB/GPIO1

Stereo CODEC Features:
- DAC SNR 98dB, THD -84dB ('A' weighted @ 48kHz)
- ADC SNR 90dB, THD -80dB ('A' weighted @ 48kHz)
- On-chip Headphone Driver with 'capless' option:
  - 40mW output power into 16Ω / 3.3V SPKVDD
- 0.9W output power into 8Ω BTL speaker / 5V SPKVDD:
  - Capable of driving piezo speakers
  - Stereo speaker drive configuration

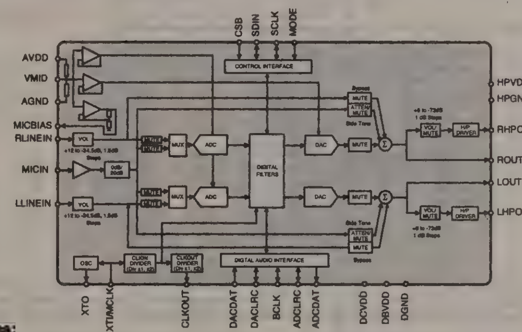
Mic Preamps Features:
- Stereo Differential or mono microphone Interfaces:
  - Programmable preamp gain
  - Psuedo differential inputs with common mode rejection
  - Programmable ALC / Noise Gate in ADC path
- Low-noise bias supplied for electret microphones

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM8978GEFL/RV	7.10	6.71	5.93	5.16

PORTABLE INTERNET AUDIO CODEC WITH HEADPHONE DRIVER

The WM8731 or WM8731L (WM8731/L) are low power stereo CODECs with an integrated headphone driver. The WM8731/L is designed specifically for portable MP3 audio and speech players and recorders. The WM8731 is also ideal for MD, CD-RW machines and DAT recorders.


CSB
SDIN
SCLK
MODE
AVDD
VMID
AGND
MICBIAS
RLINEIN
MICIN
LLINEIN
CONTROL INTERFACE
VOL
MUX
ADC
DIGITAL FILTERS
DAC
MUTE
HP DRIVER
OSC
CLKIN DIVIDER
CLKOUT DIVIDER
DIGITAL AUDIO INTERFACE
HPVDD
HPGND
RHPOUT
ROUT
LOUT
LHPOUT
XTO
XTI/MCLK
CLKOUT
DACDAT
DACLRC
BCLK
ADCLRC
ADCDAT
DCVDD
DBVDD
DGND

Features:
- Highly Efficient Headphone Driver
- Audio Performance:
  - ADC SNR 90dB ('A' weighted) at 3.3V, 85dB at 1.8V
  - DAC SNR 100dB ('A' weighted) at 3.3V, 95dB at 1.8V
- Low Power:
  - Playback only 22mW, 8mW ('L' Variant)
  - Analogue Pass Through 12mW, 3.5mW ('L' variant)
  - 1.8 – 3.6V Analog Supply Operation ('L' Variant)
  - 2.7 – 3.6V Analog Supply Operation
  - 1.42 – 3.6V Digital Supply Operation
- Programmable Audio Data Interface Modes:
  - I2S, Left, Right Justified or DSP
  - 16/20/24/32 bit Word Lengths
  - Master or Slave Clocking Mode
- ADC and DAC Sampling Frequency: 8kHz – 96kHz
- Selectable ADC High Pass Filter
- 2 or 3-Wire MPU Serial Control Interface
- Microphone Input and Electret Bias with Side Tone Mixer
- Package: QFN-32 5x5mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM8731LSEFL/R	3.77	3.56	3.15	2.74

AC'97 AUDIO AND TOUCHPANEL CODEC

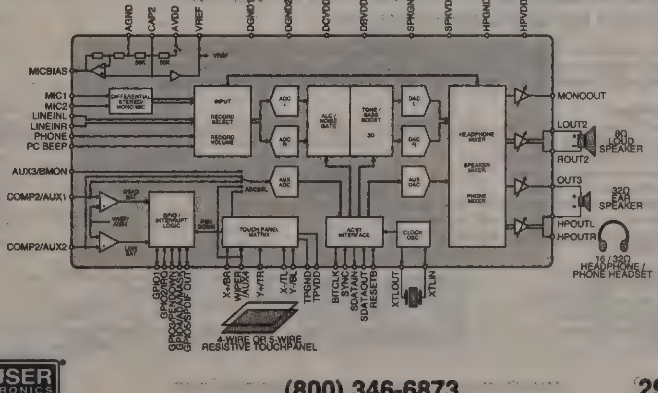
The WM9712L is a highly integrated input / output device designed for mobile computing and communications. The device can connect directly to a 4-wire or 5-wire touchpanel, mono or stereo microphones, stereo headphones and a mono speaker, reducing total component count in the system. Additionally, phone input and output pins are provided for seamless integration with wireless communication devices.

Features:
- AC'97 Rev 2.2 compatible stereo codec:
  - DAC SNR 94dB, THD –87dB
  - ADC SNR 92dB, THD –87dB
  - Variable Rate Audio, supports all WinCE sample rates
  - Tone Control, Bass Boost and 3D Enhancement
- Resistive touchpanel interface:
  - Supports 4-wire and 5-wire panels
  - 12-bit resolution, INL ±2 LSBs (<0.5 pixels)
  - X, Y and touch-pressure (Z) measurement
  - Pen-down detection supported in Sleep Mode
- On-chip 45mW headphone driver
- On-chip 400mW mono speaker driver
- Stereo, mono or differential microphone input - Automatic Level Control (ALC)
- Auxiliary mono DAC (ring tone or DC level generation)
- Seamless interface to wireless chipset
- Up to 5 GPIO pins
- 2 comparator inputs for battery monitoring
- Up to 4 auxiliary ADC inputs
- Package: QFN-48 7x7mm

Applications:
- Personal Digital Assistants (PDA)
- Smartphones
- Handheld and Tablet Computers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM9712LGEFL/RV	9.30	8.79	7.77	6.76


AGND
CAP2
AVDD
VREF
DGND1
DGND2
DCVDD
DBVDD
SPKGND
SPKVDD
HPGND
HPVDD
MICBIAS
MIC1
MIC2
LINEINL
LINEINR
PHONE
PC BEEP
AUX3/BMON
COMP2/AUX1
COMP2/AUX2
DIFFERENTIAL STEREO MONO MIC
INPUT
RECORD SELECT
RECORD VOLUME
ADC
ALC / NOISE GATE
TONE / BASS BOOST
3D
DAC
AUX ADC
AUX DAC
HEADPHONE MIXER
SPEAKER MIXER
PHONE MIXER
GPIO / INTERRUPT LOGIC
TOUCH PANEL MATRIX
AC97 INTERFACE
CLOCK OSC
MONOOUT
LOUT2
8Ω LOUD SPEAKER
ROUT2
OUT3
32Ω EAR SPEAKER
HPOUTL
HPOUTR
16 / 32Ω HEADPHONE / PHONE HEADSET
GPIO1
GPIO2/PENDOWN
GPIO4/ADA/MASK
GPIO3/SPDIF OUT
X+/BR
WIPER/AUX4
Y+/TR
X-/TL
Y-/BL
BITCLK
SYNC
SDATAIN
SDATAOUT
RESETB
XTLOUT
XTLIN
4-WIRE OR 5-WIRE RESISTIVE TOUCHPANEL

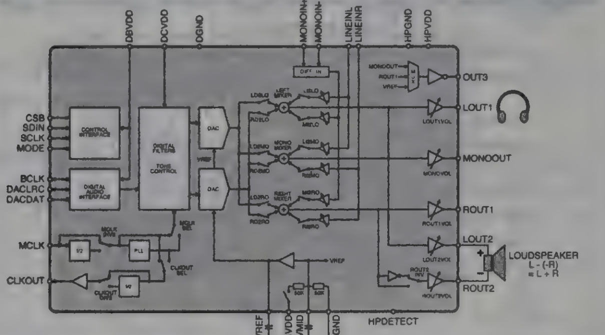
MOUSER ELECTRONICS
a tti company

WOLFSON MICROELECTRONICS Converters

RoHS Compliant This page of product is compliant.

STEREO DAC WITH ON-CHIP PLL FOR PORTABLE AUDIO APPLICATIONS

The WM8955L is a low power, high quality stereo DAC with integrated headphone and loudspeaker amplifiers, designed to reduce external component requirements in portable digital audio and cell phone applications.


DBVDD
DCVDD
DGND
MONOIN+
MONOIN-
LINEINL
LINEINR
HPGND
HPVDD
CSB
SDIN
SCLK
MODE
BCLK
DACLRC
DACDAT
MCLK
CLKOUT
OUT3
LOUT1
MONOOUT
ROUT1
LOUT2
ROUT2
LOUDSPEAKER
L - (-R)
= L + R
VREF
AVDD
VMID
AGND
HPDETECT

Features:

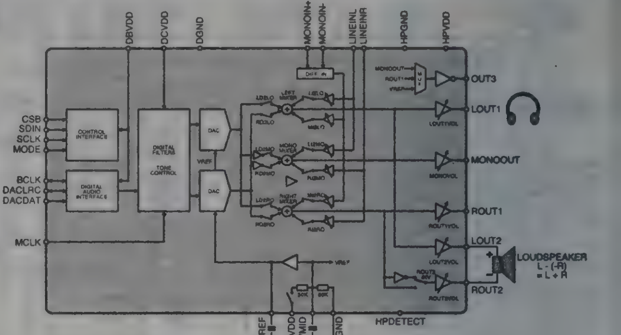
- DAC SNR 98dB, THD -86dB ('A' weighted @ 48kHz, 3.3V)
- On-chip 400mW BTL Speaker Driver (mono)
- On-chip Headphone Driver:
  - 40mW output power on 16Ω / 3.3V
  - SNR 96dB, THD –79dB at 20mW with 16Ω load
- Stereo and Mono Line-in mix into DAC output
- Low Power:
  - Down to 7mW for stereo playback (1.8V / 1.5V supplies)
  - 10µW Shutdown Mode
- Low Supply Voltages:
  - Analog and Digital I/O: 1.8V to 3.6V
  - Digital core: 1.42V to 3.6V
- Separately Mixed Stereo and Mono Outputs
- Digital Tone Control and Bass Boost
- Master clocks supported: GSM, CDMA, PDC, USB or standard audio clocks
- 32-lead QFN package, 5x5x0.9mm size, 0.5mm lead pitch

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM8955LSEFL/R	4.51	4.26	3.77	3.28

STEREO DAC FOR PORTABLE AUDIO APPLICATIONS

The WM8751L is a low power, high quality stereo DAC with integrated headphone and loudspeaker amplifiers, designed to reduce external component requirements in portable digital audio applications.


DBVDD
DCVDD
DGND
MONOIN+
MONOIN-
LINEINL
LINEINR
HPGND
HPVDD
CSB
SDIN
SCLK
MODE
BCLK
DACLRC
DACDAT
MCLK
OUT3
LOUT1
MONOOUT
ROUT1
LOUT2
ROUT2
LOUDSPEAKER
L - (-R)
= L + R
VREF
AVDD
VMID
AGND
HPDETECT

Features:

- DAC SNR 98dB, THD -86dB ('A' weighted @ 48kHz, 3.3V)
- On-chip Headphone Driver:
  - 40mW output power on 16Ω / 3.3V
  - SNR 96dB, THD –79dB at 20mW with 16Ω load
- Low Power:
  - Down to 7mW for stereo playback (1.8V / 1.5V supplies)
  - 10µW Shutdown Mode
- Low Supply Voltages:
  - Analog and Digital I/O: 1.8V to 3.6V
  - Digital core: 1.42V to 3.6V
- On-chip 400mW BTL Speaker Driver (mono)
- Stereo and Mono Line-in mix into DAC output
- Separately Mixed Stereo and Mono Outputs
- Digital Tone Control and Bass Boost
- 256fs / 384fs or USB master clock rates: 12MHz, 24MHz
- 32-lead QFN package, 5x5x0.9mm size, 0.5mm lead pitch

Applications:

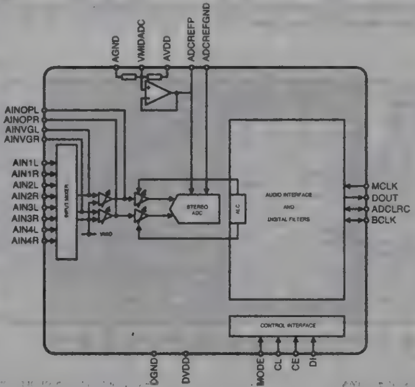
- Digital Audio Player
- MP3 Phone
- Minidisc Player

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM8751LSEFL/R	4.32	4.08	3.61	3.14

24-BIT, 96KHZ ADC WITH 4 CHANNEL I/P MULTIPLEXER

The WM8775 is a high performance, stereo audio ADC with a 4 channel input mixer. The WM8775 is ideal for digitising multiple analogue sources for surround sound processing applications for home hi-fi, automotive and other audio visual equipment.


AGND
VMIDADC
AVDD
ADCREFP
ADCREFGND
AINOPL
AINOPR
AINVGL
AINVGR
AIN1L
AIN1R
AIN2L
AIN2R
AIN3L
AIN3R
AIN4L
AIN4R
STEREO ADC
AUDIO INTERFACE AND DIGITAL FILTERS
CONTROL INTERFACE
MCLK
DOUT
ADCLRC
BCLK
DGND
DVDD
MODE
CL
CE
DI

Features:

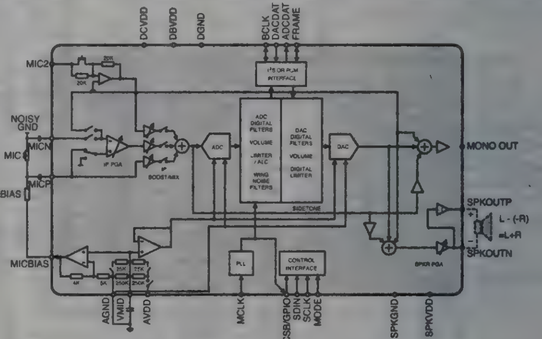
- Audio Performance:
  - -102dB SNR ('A' weighted @ 48kHz)
  - -90dB THD
- ADC Sampling Frequency: 32kHz – 96kHz
- Four stereo ADC inputs with analogue gain adjust from +24dB to –21dB in 0.5dB steps
- Digital gain adjust from -21.5dB to -103dB.
- Programmable Automatic Level Control (ALC) or Limiter on ADC input
- 3-Wire SPI Compatible or 2-wire Serial Control Interface
- Master or Slave Clocking Mode
- Programmable Audio Data Interface Modes:
  - I2S, Left, Right Justified or DSP
  - 16/20/24/32 bit Word Lengths
- 2.7V to 5.5V Analog, 2.7V to 3.6V Digital supply Operation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM8775SEDS/R	4.21	3.98	3.52	3.21

MONO CODEC WITH SPEAKER DRIVER

The WM8510 is a low power, high quality mono codec designed for Voice over Internet Protocol (VoIP) and Digital Telephones. The device integrates support for one pseudo-differential and one single ended input (Handset Mic and Speaker Mic) and includes drivers for speakers or headset, and mono line output, making it ideal for Telephone designs.


DCVDD
DBVDD
DGND
BCLK
DACDAT
ADCDAT
FRAME
MIC2
NOISY GND
MICN
MIC
MICP
RBIAS
MICBIAS
MONO OUT
SPKOUTP
L - (-R)
=L+R
SPKOUTN
PLL
CONTROL INTERFACE
AGND
VMID
AVDD
MCLK
CSB/GPIO
SDIN
SCLK
MODE
SPKGND
SPKVDD

Features:

- DAC SNR 93dB, THD -84dB ('A'-weighted @ 8 – 48ks/s)
- ADC SNR 90dB, THD -80dB ('A'-weighted @ 8 – 48ks/s)
- On-chip Headphone/Speaker Driver with 'cap-less' connect:
  - 40mW output power into 16Ω / 3.3V SPKVDD
  - BTL speaker drive 0.8W into 8Ω / 5V SPKVDD
- Earpiece Line output
- Multiple analog inputs, plus analog bypass path (0 or -10dB)
- Low-noise bias supplied for microphone
- Digital Playback Limiter
- Programmable ADC High Pass Filter (wind noise reduction)
- Programmable ADC Notch Filter
- On-chip PLL
- 28 pin SSOP package
- Two Microphone Interfaces:
  - One pseudo-differential input
  - One single ended input
  - Programmable preamp gain
  - Psuedo differential inputs with common mode rejection
  - Programmable ALC / Noise Gate in ADC path
- Low power, low voltage:
  - 2.5V to 3.6V (digital core: 1.71V to 3.6V)
  - power consumption <10mW all-on 48ks/s mode

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM8510GEDS/RV	3.41	3.22	2.85	2.60

MULTIMEDIA AC'97 CODEC WITH INTEGRATED TOUCH SCREEN CONTROLLER

The WM9705 is a high-quality stereo audio codec with an integrated touch screen controller. The audio section is compliant with the Intel AC'97 Rev 2.2 specification. It performs full-duplex 18-bit codec functions and supports variable sample rates from 8 to 48k samples/s with high signal to noise ratio.

Features:

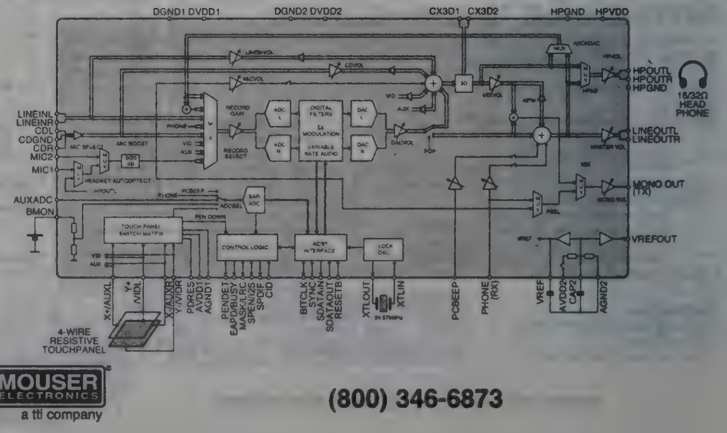
- AC'97 rev2.2 compliant codec with pen digitiser
- 18-bit stereo audio codecs
- On-chip sample rate conversion
- Multiple channel input mixer
- S/PDIF digital audio output
- Headphone drivers on AUX and MONO outputs
- 4-wire touch screen interface with co-ordinate and pressure measurement, and pen-down detection
- Wake-up from sleep mode on pen down
- 3V to 5V operation
- Extensive power management features including hardware power down option
- Standard AC'97 pinout in 48-pin TQFP package or 48-pin QFN package.

Applications:

- Personal Digital Assistants and 'Smartphones'
- PocketPC systems

For quantities of 1000 and up, call for quote.

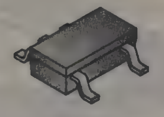
MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	50	100	500
238—	WM9705SEFL/RV	7.45	7.05	6.23	5.42

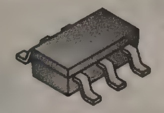

DGND1 DVDD1
DGND2 DVDD2
CX3D1 CX3D2
HPGND HPVDD
LINEINL
LINEINR
CDL
CDGND
CDR
MIC2
MIC1
AUXADC
BMON
HPOUTL
HPOUTR
HPGND
16/32Ω HEAD PHONE
LINEOUTL
LINEOUTR
MONO OUT (TX)
VREFOUT
TOUCH PANEL SWITCH MATRIX
CONTROL LOGIC
AC'97 INTERFACE
LOCAL OSC
X+/AUXL
Y+/VIDL
X-/AUXR
Y-/VIDR
PDRES
AVDD1
AGND1
PENDET
EAPD/MBUST
MASK/LRC
SPENI2S
SPDIF
CID
BITCLK
SYNC
SDATAIN
SDATAOUT
RESETB
XTLOUT
XTLIN
24.576MHz
PCBEEP
PHONE (RX)
VREF
AVDD2
CAP2
AGND2
4-WIRE RESISTIVE TOUCHPANEL

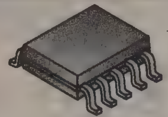
ZETEX Analog ICs

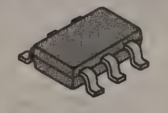
Products may be RoHS compliant.
Check mouser.com for RoHS status.

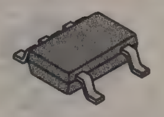
ZETEX SEMICONDUCTORS

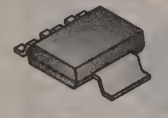

SOT-23-5

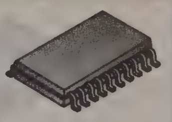

SOT-23-6

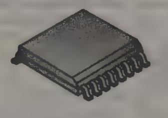

MSOP-10

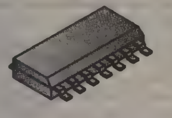

SC70-6

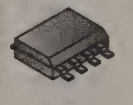

TSOT-23-5

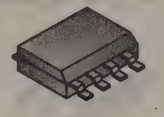

SOT-223

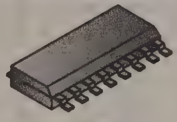

TSSOP-20

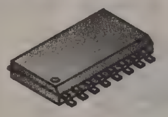

QSOP-16

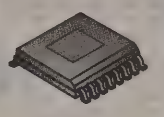

SO-14N


SO-8N


SO-8


SO-16N


SO-16


EQSOP-16

ZETEX LED/LCD DRIVER SOLUTIONS/LIGHTING ICS

The ZXLD1100/1101/1937 are regulated voltage mode boost converters for white LED driving for backlighting in color LCD displays. An integrated switch and over voltage clamp (ZXLD 1100) reduces the solution component count. The ZXSC400 is a regulated, voltage mode converter for white LED backlighting in color LCD displays. The LED current (which is programmed with a single resistor) changes by typically less than 1% over the Li-Ion supply range. The ZXSC300/310 are constant power converters primarily focused at single or dual cell (white) LED driving in flashlight and garden light applications. Both products feature a programmable peak current to optimize efficiency and supply requirements. The ZXSC300/310 features a pulse mode that eliminates the need for a rectifier diode, which provides the highest efficiencies available especially for single cell operation.

Features:

- Internal 30V switch - ZXLD1100/1101
- Open circuit protection - ZXLD1100
- Low 0.1V feedback voltage for high efficiency - ZXLD series
- High efficiency: 94% - ZXSC3xx in pulse mode
- 0.8V operation - ZXSC3xx
- Programmable LED current
- Drives up to 8 LEDs at 20mA - ZXSC400
- Series, parallel and series parallel combinations
- < 500nA shutdown current

Applications:

- White LED backlighting for color LCD displays - ZXLD1100/1101
- Emergency/standby lighting - ZXSC400
- Solar powered traffic signs - ZXSC3xx
- High performance LED flashlights - ZXSC400
- LED flashlights - ZXSC3xx
- LED solar panel garden lights - ZXSC3xx

NEW FROM SUPPLIER

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Input Voltage Range (V)	Output Voltage Range (1) (V)	Shutdown Current (μA)	Typical Quiescent Current μA	Efficiency V_{in}=3.0V	Price Each			
								1	25	100	250
◆522-ZXSC300E5TA	ZXSC300E5TA	SOT-23-5	0.8-8.0	Vin to Vm	- - -	200	88 with 1 LED	.69	.60	.54	.47
◆522-ZXSC310E5TA	ZXSC310E5TA	SOT-23-5	0.8-8.0	Vin to Vm	4	200	88 with 1 LED	.78	.68	.60	.53
◆522-ZXSC400E6TA	ZXSC400E6TA	SOT-23-6	1.8-8.0	Vin to Vm	3	150	80 with 4 LEDs	.84	.73	.65	.57
◆522-ZXLB1600X10TA	ZXLB1600X10TA	MSOP-10	1.6 - 5.5	28	5	85	75	1.52	1.32	1.17	1.03
◆522-ZXLD1100H6TA	ZXLD1100H6TA	SC70-6	2.5-5.5	28	0.5	60	80 with 3 LEDs	1.55	1.35	1.20	1.05
◆522-ZXLD1101ET5TA	ZXLD1101ET5TA	TSOT-23-5	2.5-5.5	28	0.5	60	80 with 3 LEDs	1.27	1.11	.98	.86
◆522-ZXLD1350ET5TA	ZXLD1350ET5TA	TSOT-23-5	7.0-30.0	30	- - -	250	95	1.72	1.50	1.33	1.17
◆522-ZXLD1360E5TA	ZXLD1360ET5A	SOT-23-5	7.0-30.0	30	- - -	20	95	2.79	2.43	2.16	1.89

ZETEX VARIABLE SPEED BRUSHLESS FAN MOTOR CONTROLLER

The ZXMB1004 is a single phase BLDC motor pre-driver providing variable speed control. Suitable for DC fans and blowers the IC can take inputs from an external PWM source or a thermistor to adjust the speed characteristics.

Features:

- Single-phase pre-driver with variable speed control
- PWM output drive for speed control, variable by external thermistor or PWM inputs
- Adjustable minimum speed setting
- Ability to be able to remove any speed change against supply voltage variation
- Low noise

Applications:

- Telecom mainframe fans and blowers
- Mainframe and PC computer fans and blowers
- Industrial fans and blowers

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Type	Quiescent Current Max. (mA)	Output Drive Current Max. (mA)	PWM Frequency (kHz)	Output Flag	Price Each			
								1	25	100	250
◆522-ZXBM1004Q16TA	ZXBM1004Q16TA	SOT-223	Single	8	5	24	Rotor lock & Speed Pulse	1.06	.94	.89	.83
◆522-ZXBM1015ST20TC	ZXBM1015ST20TC	TSSOP-20	Single	15	16	24	Rotor lock & Speed Pulse	1.03	.92	.86	.80
◆522-ZXBM2004Q16TA	ZXBM2004Q16TA	QSOP-16	Dual	7.5	5	24	Rotor lock & Speed Pulse	1.78	.90	.85	.79
◆522-ZXBM2001X10TA	ZXBM2001X10TA	MSOP-10	Dual	3	80	1-50	Rotor lock & Speed Pulse	.70	.62	.58	.54
◆522-ZXBM2002X10TA	ZXBM2002X10TA	MSOP-10	Dual	3	80	1-50	Rotor lock only	.76	.68	.63	.59
◆522-ZXBM2003X10TA	ZXBM2003X10TA	MSOP-10	Dual	3	80	1-50	Speed pulse only	1.27	.64	.60	.56

ZETEX ANALOG VIDEO PRODUCTS

The Zetex range of video solutions has been expanded by the addition of a sync separator and a DC restore amplifier. The ZXFV4583 separates out the embedded sync information from PAL, NTSC, SECAM and other analog video signals. The ZXFV4089 uses a sync pulse (typically from a sync separator) to restore the video black level to the correct DC voltage. The high speed amplifiers/buffers include quad and single amplifiers plus multi-channel unity-gain buffers. The ZXFV202, single video amplifier, is available in SOT23 and SO8 offering superb differential gain and phase performance of 0.01%/0.01° respectively. ZXFV301N16 and ZXFV302N16 4:1 multiplexers are for use in video and other high speed applications. For greater versatility the ZXFV301/302 have different channel selection plus an output enable.

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Type	Supply Voltage (V)	Supply Current (mA)	Price Each			
						1	25	100	250
522-ZXFV201EV	ZXFV201EV	-	Eval Board For ZXFV201N14	±5	28	78.75	- - -	- - -	- - -
◆522-ZXFV201N14TA	ZXFV201N14TA	SO-14N	Quad Video Amp	±5	28	3.35	2.98	2.60	2.36
◆522-ZXFV202E5TA	ZXFV202E5TA	SOT-23-5	Video Amp	±5	7	1.08	.96	.84	.76
522-ZXFV202N8EV	ZXFV202N8EV	-	Eval Board For ZXFV202N8TA	±5	7	78.75	- - -	- - -	- - -
◆522-ZXFV202N8TA	ZXFV202N8TA	SO-8N	Video Amp	±5	7	1.60	1.42	1.24	1.12
522-ZXFV203EV	ZXFV203EV	-	Eval Board For ZXFV203N14TA	±5	21	78.75	- - -	- - -	- - -
◆522-ZXFV203N14TA	ZXFV203N14TA	SO-14N	Triple Video Amp	±5	21	2.16	1.92	1.68	1.52
◆522-ZXFV204N8TA	ZXFV204N8TA	SO-8	Current Feedback Amp	±5	14	2.55	2.27	1.99	1.80
◆522-ZXFV4089N8TA	ZXFV4089N8TA	SO-8N	DC Restoration Amp	±5	8	2.97	2.64	2.31	2.09
◆522-ZXFV301N16TA	ZXFV301N16TA	SO-16N	4:1 Multiplexer	±5	17	3.04	2.70	2.36	2.14
522-ZXFV302EV	ZXFV302EV	-	Eval Board For ZXFV302N16	±5	17	78.75	- - -	- - -	- - -
◆522-ZXFV302N16TA	ZXFV302N16TA	SO-16N	4:1 Multiplexer	±5	17	2.16	1.92	1.68	1.52
522-ZXFV4583EV	ZXFV4583EV	-	Eval Board For ZXFV4583N16	5	4.5	118.13	- - -	- - -	- - -
◆522-ZXFV4583N16TA	ZXFV4583N16TA	SO-16	Sync Separator	5	4.5	7.56	6.72	5.88	5.32

ZETEX SERIES - CLASS D AUDIO SOLUTIONS

The ZXCD1000 provides complete control and modulation functions at the heart of a high efficiency High performance Class D switching audio amplifier solution. In combination with Zetex HDMOS MOSFET devices, the ZXCD1000 provides a high performance audio amplifier with all the inherent benefits of Class D.

Features:

- >90% efficiency
- 4 / 8 Ω drive capability
- Noise Floor -115dB for solution
- Flat response 20Hz - 20kHz
- High gate drive capability (2200pF)
- Very low THD + N 0.2% typical full 90% power, full band (for the solution)
- Complete absence of crossover artifacts
- OSC output available for sync in multi-channel

Applications:

- DVD Players
- Automotive audio systems
- Home Theatre
- Multimedia
- Wireless speakers
- Portable audio
- Sub woofer systems
- Public Address system

RoHS Compliant

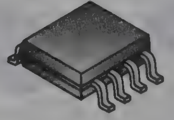
◆Surface Mount Device

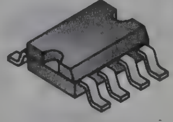
For quantities of 500 and up, call for quote.

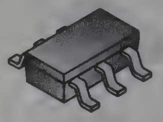
MOUSER STOCK NO.	Zetex Part No.	Package	Description	Supply Voltage (V)	Input	Output	THD+N	Reference	Price Each			
									1	25	100	250
◆522-ZXCD1000EQ16TA	ZXCD1000EQ16TA	EQSOP-16	Mono Class D	12 to 18	Analog	PWM	0.20%	yes	4.97	4.26	3.95	3.32

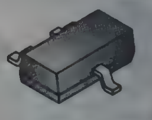
ZETEX Analog ICs

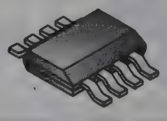
Products may be RoHS compliant.
Check mouser.com for RoHS status.

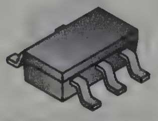

MSOP-8

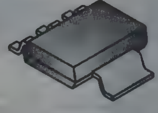

SO-8


SOT-23-6


SOT-23


SM-8


SOT-23-5


SOT-223

ZETEX SINGLE AND MULTI-CELL SYSTEM POWER BOOST CONVERTERS

The ZXSC100/410/420 are voltage mode inductive boost converters aimed at providing system voltages from battery supplies. The ZXSC410/420 provide any regulated voltage above Vin from dual cell and Li-Ion cells with a typical line regulation of 1%. The ZXSC420 option provides an 'End of regulation' flag which uses all available battery energy before signaling a shutdown. The ZXSC100 caters for single cell operation with a guaranteed start up under full load conditions down to 1V. All products feature programmable peak current to optimize efficiency and supply requirements. Maximum output voltages are limited only by the rating of the external switching device.

Features:
- High efficiency: 80%+
- Typical 1% load and line regulation - ZXSC410/420
- Low shutdown current
- End of regulation flag - ZXSC420
- Single cell operation - ZXSC100
- Up to 2W output power

Applications:
- System supplies from dual cell and Li-Ion cells
- LCD bias voltage supplies
- System supplies from single Alkaline, NiCd or NiMH cells - ZXSC100
- System supplies from solar cells - ZXSC100
- Varactor and PIN diode bias

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Iutput Voltage Range (V)	Output Voltage Range (V)	Line Regulation (%/V)	Typical Quiescent Curr. (μA)	Efficiency (%) V_{OUT} = 3.0V I_{OUT} = 50mA	Typical Output Toler. (%)	Price Each			
									1	25	100	250
◆522-ZXSC100X8TA	ZXSC100X8TA	MSOP-8	0.93-3.5	Vin to Vm	7	150	82	4	2.22	1.94	1.72	1.51
◆522-ZXSC100N8TA	ZXSC100N8TA	SO-8	0.93-3.5	Vin to Vm	7	150	82	4	2.22	1.94	1.72	1.51
◆522-ZXSC410E6TA	ZXSC410E6TA	SOT-23-6	1.8-8.0	Vin to Vm	0.5	150	85	1	1.24	1.08	.96	.84
◆522-ZXSC420E6TA	ZXSC420E6TA	SOT-23-6	1.8-8.0	Vin to Vm	0.5	150	85	1	1.24	1.08	.96	.84

ZETEX ZXCT SERIES - CURRENT MONITORS

The ZXCT range of high-side current monitors and current sense amplifiers provide elegant design solutions for current measurement and power control. The ZXCT1009 current sensing monitor takes a high-side voltage developed across a current shunt resistor and, acting as a current mirror, translates it into a scaled ground referenced voltage. The ZXCT1010 offers reduced typical offset and improved accuracy at low sense voltages. The ZXCT1021/1022 current sense amplifiers are particularly suited to low sense voltage applications. The ZXCT1030 includes a 1.2V bandgap reference and comparator.

Features:
- High-side current sensing
- Output voltage scaling
- Up to 2.5V sense voltage
- 2.5-20V supply range
- 1% typical accuracy

Applications:
- Battery chargers
- Smart battery packs
- DC motor control
- Over current monitor
- Power management

◆Surface Mount Device

* Relative to I_{OUT}

NEW FROM SUPPLIER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Description	VIN (V)	Accuracy @ Vsense =100mV	Typical Quiescent Curr. (μA)	Gain (Output/Vsense)	Bandwidth (MHz)	Price Each			
									1	25	100	250
◆ 522-ZXCT1008FTA	ZXCT1008FTA	SOT-23	Wide ambient temperature range	2.5 to 20*	+/- 2.5%	-----	10mA/V	2	1.15	1.04	.90	.73
◆ 522-ZXCT1009FTA	ZXCT1009FTA	SOT-23	Simple current monitor	2.5 to 20	+/- 2.5%	5	User defined	2	.65	.60	.52	.47
◆ 522-ZXCT1009T8TA	ZXCT1009T8TA	SM-8	Simple current monitor	2.5 to 20	+/- 2.5%	5	User defined	2	1.04	.96	.83	.75
◆ 522-ZXCT1010E5TA	ZXCT1010E5TA	SOT-23-5	Enhanced offset	2.5 to 20	+/- 2.5%	4	User defined	2	1.41	1.27	1.10	.89
◆ 522-ZXCT1011E5TA	ZXCT1011E5TA	SOT-23-5	Improved temperature drift	2.5 to 20*	+/- 2.5%	-----	10mA/V	2	1.41	1.27	1.10	.89
◆ 522-ZXCT1021E5TA	ZXCT1021E5TA	SOT-23-5	For low sense voltage	2.5 to 20	+/- 2%	25	10	1	.95	.87	.76	.68
◆ 522-ZXCT1022E5TA	ZXCT1022E5TA	SOT-23-5	For low sense voltage	2.5 to 20	+/- 2%	25	100	1	.95	.87	.76	.68
◆ 522-ZXCT1030X8TA	ZXCT1030X8TA	MSOP-8	Enhanced function w/ internal ref. & comp.	2.5 to 20	+/- 3%	270	10V/V	6	2.08	1.51	1.34	.94
◆ 522-ZXCT1051E5TA	ZXCT1051E5TA	SOT-23-5	Precision, wide input range	2.7 to 20	+/- 2%	-----	10	1	1.56	1.41	1.22	.99
◆ 522-ZXCT1081E5TA	ZXCT1081E5TA	SOT-23-5	High volume, high-side current	3.0 to 40	+/- 3%	30	10	1.5	1.08	.99	.86	.77

ZETEX RESET LOW MONITORS

These devices are three terminal voltage monitoring circuits used in microprocessor systems. They provide a 'power on reset' function and produce a system reset 'low' on power fail. A selection of reset thresholds are available. All devices are designed to operate over the temperature range -40°C to 85°C.

Features:
- Automatic reset generation
- Guaranteed operation from 1V
- High output current

Applications:
- Microprocessor systems
- Computers and computer peripherals
- Automotive
- Battery powered equipment

RoHS Compliant

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Typical Vcc (V)	Threshold Voltage (V)	Typical Hysteresis (mV)	Max Output Sink Current (mA)	Input Voltage Range (V)	Max Quiescent Curr. (uA)	Price Each			
									1	25	100	250
◆522-ZSM330GTA	ZSM330GTA	SOT-223	3.3	3.08	20	60	1 to 6.5	180	1.59	1.43	1.24	1.01
◆522-ZSM560GTA	ZSM560GTA	SOT-223	5	4.6	20	60	1 to 6.5	200	1.57	1.42	1.23	1.00
◆522-ZM33064GTA	ZM33064GTA	SOT-223	5	4.6	20	60	1 to 6.5	200	1.40	1.26	1.09	.89

ZETEX BOOST CONVERTER FOR CAMERA PHOTOFLASH APPLICATIONS

The ZXSC440 is a dedicated photoflash charger, charging an 80μF photoflash capacitor to 300V in 3.5 seconds from a 3V supply. The flyback conversion efficiency is typically 75%, much higher than the commonly used discrete charging circuits. The Charge pin enables the circuit to be initiated from the camera's microprocessor, using negligible current when flash is not being used. The Ready pin signals the microprocessor when the flash is charged and ready to be fired. A small amount of hysteresis on the voltage feedback shuts down the device as long as the capacitor remains fully charged, again using negligible current.

Features:
- Charges a 80μF photoflash capacitor to 300V in 3.5 seconds from 3V
- Charges various value photoflash capacitors
- Over 75% flyback efficiency
- Charge and Ready pins
- Consumes only 4.5μA when not charging
- Small MSOP8 low profile package

Applications:
- Digital camera flash unit
- Film camera flash unit

RoHS Compliant

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Typical Vcc (V)	Threshold Voltage (V)	Typical Hysteresis (mV)	Max Output Sink Current (mA)	Input Voltage Range (V)	Max Quiescent Curr. (uA)	Price Each			
									1	25	100	250
◆522-ZXSC440X8TA	ZXSC440X8TA	MSOP-8	1.8-8.0	Vin to Vm	0.5	150	85	1	1.55	1.35	1.20	1.05

ALD Precision Operational Amplifiers

RoHS Compliant This page of product is compliant.

Advanced
Linear
Devices, Inc.

◆ Surface Mount Device

ALD OPERATIONAL AMPLIFIERS - INSTRUMENT GRADE, OSCILLATION FREE

- Temp. range 0 to 70°C
- Patented EPAD(R) Technology
- Class AB output drivers
- Voltage Supply Aux. Max. 12(+/-6)V
- Symmetrical complementary outputs
- High temperature stable
- Ultra low input offset voltage
- Ultra low input bias currents
- Rail to rail input and output
- Unity gain stable
- Cable driver
- Ringing free

Rail to Rail Input/Output Voltage

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	ALD Part No.	Description	Package	Gain Bandwidth (MHz) Typ.	Slew Rate (V/μS) Typ.	Input Offset (Max.)(mV)	Input Bias (Max.)(pA)	Supply Volt. (V) Min.	Isup. per Amp (mA) Max.	Price Each		
										1	25	100
◆585-ALD2706SAL	ALD2706SAL	Ultra-Micropower, Dual	SO-8	0.2	0.1	10	20	2(±1)	.04	3.37	2.68	2.15
585-ALD2706PAL	ALD2706PAL	Ultra-Micropower, Dual	DIP-8	0.2	0.1	10	20	2(±1)	.04	3.37	2.68	2.15
◆585-ALD4706SBL	ALD4706SBL	Ultra-Micropower, Quad	SO-14	0.2	0.17	10	20	2(±1)	.05	6.27	4.33	3.99
585-ALD4706PBL	ALD4706PBL	Ultra-Micropower, Quad	DIP-14	0.2	0.17	10	20	2(±1)	.05	6.27	4.33	3.99
◆585-ALD1706SAL	ALD1706SAL	Ultra-Micropower, Single	SO-8	0.4	0.17	4.5	30	2(+-/1)	.04	3.08	2.44	1.96
585-ALD1706PAL	ALD1706PAL	Ultra-Micropower, Single	DIP-8	0.4	0.17	4.5	30	2(+-/1)	.04	3.08	2.44	1.96
◆585-ALD1701GSAL	ALD1701GSAL	Micropower, Single	SO-8	0.7	0.7	10	30	2(±1)	.25	1.64	1.61	1.04
◆585-ALD1701SAL	ALD1701SAL	Micropower, Single	SO-8	0.7	0.7	4.5	30	2(±1)	.25	2.28	1.81	1.45
◆585-ALD2701SAL	ALD2701SAL	Micropower, Dual	SO-8	0.7	0.7	10	50	2(±1)	.25	2.53	2.51	1.61
◆585-ALD4701SBL	ALD4701SBL	Micropower, Quad	SO-14	0.7	0.7	10	30	2(±1)	.25	4.79	3.80	3.05
585-ALD1701GPAL	ALD1701GPAL	Micropower, Single	DIP-8	0.7	0.7	10	30	2(±1)	.25	1.64	1.61	1.04
585-ALD1701PAL	ALD1701PAL	Micropower, Single	DIP-8	0.7	0.7	4.5	30	2(±1)	.25	2.28	1.81	1.45
585-ALD2701PAL	ALD2701PAL	Micropower, Dual	DIP-8	0.7	0.7	10	50	2(±1)	.25	2.53	2.01	1.61
585-ALD4701PBL	ALD4701PBL	Micropower, Quad	DIP-14	0.7	0.7	10	30	2(±1)	.25	4.79	3.80	3.05
◆585-ALD2702SAL	ALD2702SAL	5V Precision, Dual	SO-8	1.5	1.9	5	20	4(±2)	1.50	2.69	2.14	1.71
◆585-ALD4702SBL	ALD4702SBL	5V Precision, Quad	SO-14	1.5	1.9	5	30	4(±2)	1.50	4.83	3.84	3.07
585-ALD2702PAL	ALD2702PAL	5V Precision, Dual	DIP-8	1.5	1.9	5	20	4(±2)	1.50	2.69	2.14	1.71
585-ALD4702PBL	ALD4702PBL	5V Precision, Quad	DIP-14	1.5	1.9	5	30	4(±2)	1.50	4.83	3.84	3.07
◆585-ALD1702SAL	ALD1702SAL	5V Precision, Single	SO-8	1.5	2.1	4.5	30	4(±2)	2.00	2.87	2.84	1.82
585-ALD1702PAL	ALD1702PAL	5V Precision, Single	DIP-8	1.5	2.1	4.5	30	4(±2)	2.00	2.87	2.28	1.83
◆585-ALD1704SAL	ALD1704SAL	High Slew Rate, Single	SO-8	2.1	5	4.5	20	6.5(±3.25)	4.50	3.40	2.70	2.16
◆585-ALD2704SAL	ALD2704SAL	High Slew Rate, Dual	SO-8	2.1	5	5	20	6.5(±3.25)	3.25	2.69	2.14	1.71
◆585-ALD4704SBL	ALD4704SBL	High Slew Rate, Quad	SO-14	2.1	5	5	20	6.5(±3.25)	3.25	4.31	3.42	2.74
585-ALD1704PAL	ALD1704PAL	High Slew Rate, Single	DIP-8	2.1	5	4.5	20	6.5(±3.25)	4.50	3.08	3.05	1.96
585-ALD2704PAL	ALD2704PAL	High Slew Rate, Dual	DIP-8	2.1	5	5	20	6.5(±3.25)	3.25	2.69	2.14	1.71
585-ALD4704PBL	ALD4704PBL	High Slew Rate, Quad	DIP-14	2.1	5	5	20	6.5(±3.25)	3.25	4.31	3.42	2.74

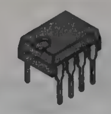
ALD ULTRA LOW VOS @ ULTRA LOW BIAS CMOS OPERATIONAL AMPLIFIERS + ULTRA LOW INPUT

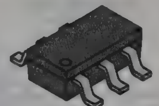
Signal Power EPAD(R) Operational Amplifiers

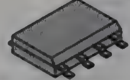
For quantities 250 and up, call for quote.

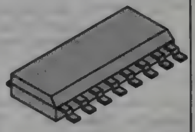
MOUSER STOCK NO.	ALD Part No.	Description	Package	Gain Bandwidth (MHz) Typ.	Slew Rate (V/μS) Typ.	Input Offset (Max.)(mV)	Input Bias (Max.)(pA)	Supply Voltage		Isup. per Amp (mA) Max.	Price Each		
								Min.	Max.		1	25	100
◆585-ALD2706ASAL	ALD2706ASAL	Ultra-Micropower, Dual	SO-8	0.2	0.1	2	20	2(±1)	12(±6)	.04	5.38	4.27	3.42
◆585-ALD2706BSAL	ALD2706BSAL	Ultra-Micropower, Dual	SO-8	0.2	0.1	5	20	2(±1)	12(±6)	.04	4.01	3.19	2.55
◆585-ALD2726SBL	ALD2726SBL	Ultra-Micropower High Precision, Dual	SO-14	0.2	0.1	0.15	10	2(±1)	10(±5)	.04	3.58	2.84	2.28
585-ALD2706APAL	ALD2706APAL	Ultra-Micropower, Dual	DIP-8	0.2	0.1	2	20	2(±1)	12(±6)	.04	5.38	4.27	3.42
585-ALD2706BPAL	ALD2706BPAL	Ultra-Micropower, Dual	DIP-8	0.2	0.1	5	20	2(±1)	12(±6)	.04	4.01	3.19	2.55
585-ALD2726PBL	ALD2726PBL	Ultra-Micropower High Precision, Dual	DIP-14	0.2	0.1	0.15	10	2(±1)	10(±5)	.04	3.58	2.84	2.28
◆585-ALD4706BSBL	ALD4706BSBL	Ultra-Micropower, Quad	SO-14	0.2	0.17	5	20	2(±1)	12(±6)	.05	8.94	5.87	5.68
585-ALD4706BPBL	ALD4706BPBL	Ultra-Micropower, Quad	DIP-14	0.2	0.17	5	20	2(±1)	12(±6)	.05	8.94	5.87	5.68
◆585-ALD1706ASAL	ALD1706ASAL	Ultra-Micropower, Single	SO-8	0.4	0.17	0.9	30	2(±1)	12(±6)	.04	3.83	3.04	2.44
◆585-ALD1726SAL	ALD1726SAL	Ultra-Micropower High Precision, Single	SO-8	0.4	0.17	0.15	10	4(±2)	10(±5)	.04	3.15	2.50	2.00
585-ALD1706APAL	ALD1706APAL	Ultra-Micropower, Single	DIP-8	0.4	0.17	0.9	30	2(±1)	12(±6)	.04	3.83	3.04	2.44
585-ALD1726PAL	ALD1726PAL	Ultra-Micropower High Precision, Single	DIP-8	0.4	0.17	0.15	10	4(±2)	10(±5)	.04	3.15	2.50	2.00
◆585-ALD1701ASAL	ALD1701ASAL	Micropower, Single	SO-8	0.7	0.7	0.9	30	2(±1)	12(±6)	.25	3.21	2.55	2.04
◆585-ALD1721SAL	ALD1721SAL	Micropower High Precision, Single	SO-8	0.7	0.7	0.15	10	2(±1)	10(±5)	.20	2.87	2.84	1.82
◆585-ALD2701ASAL	ALD2701ASAL	Micropower, Dual	SO-8	0.7	0.7	2	30	2(±1)	12(±6)	.25	4.38	3.48	2.78
◆585-ALD2711ASAL	ALD2711ASAL	Micropower High Precision, Dual	SO-8	0.7	0.7	0.6	10	2(±1)	12(±6)	.23	13.52	8.87	8.60
◆585-ALD2711SAL	ALD2711SAL	Micropower High Precision, Dual	SO-8	0.7	0.7	1.5	10	2(±1)	12(±6)	.23	4.26	3.38	2.71
◆585-ALD2721SBL	ALD2721SBL	Micropower High Precision, Dual	SO-14	0.7	0.7	0.15	10	2(±1)	10(±5)	.20	2.90	2.30	1.84
◆585-ALD4701ASBL	ALD4701ASBL	Micropower, Quad	SO-14	0.7	0.7	2	30	2(±1)	12(±6)	.25	7.82	6.21	4.97
◆585-ALD4701BSBL	ALD4701BSBL	Micropower, Quad	SO-14	0.7	0.7	5	30	2(±1)	12(±6)	.25	5.36	4.25	3.41
585-ALD1701APAL	ALD1701APAL	Micropower, Single	DIP-8	0.7	0.7	0.9	30	2(±1)	12(±6)	.25	3.21	2.55	2.04
585-ALD1721PAL	ALD1721PAL	Micropower High Precision, Single	DIP-8	0.7	0.7	0.15	10	2(±1)	10(±5)	.20	2.87	2.84	1.82
585-ALD2701APAL	ALD2701APAL	Micropower, Dual	DIP-8	0.7	0.7	2	30	2(±1)	12(±6)	.25	4.38	3.48	2.78
585-ALD2711APAL	ALD2711APAL	Micropower High Precision, Dual	DIP-8	0.7	0.7	0.6	10	2(±1)	12(±6)	.23	13.52	8.87	8.60
585-ALD2711PAL	ALD2711PAL	Micropower High Precision, Dual	DIP-8	0.7	0.7	1.5	10	2(±1)	12(±6)	.23	4.26	3.38	2.71
585-ALD2721PBL	ALD2721PBL	Micropower High Precision, Dual	DIP-14	0.7	0.7	0.15	10	2(±1)	10(±5)	.20	2.90	2.30	1.84
585-ALD4701APBL	ALD4701APBL	Micropower, Quad	DIP-14	0.7	0.7	2	30	2(±1)	12(±6)	.25	7.82	6.21	4.97
585-ALD4701BPBL	ALD4701BPBL	Micropower, Quad	DIP-14	0.7	0.7	5	30	2(±1)	12(±6)	.25	5.36	4.25	3.41
◆585-ALD2702ASAL	ALD2702ASAL	5V Precision, Dual	SO-8	1.5	1.9	1	20	4(±2)	12(±6)	1.50	4.38	3.17	2.78
◆585-ALD2702BSAL	ALD2702BSAL	5V Precision, Dual	SO-8	1.5	1.9	2	20	4(±2)	12(±6)	1.50	3.69	2.93	2.35
◆585-ALD2722SBL	ALD2722SBL	5V High Precision, Dual	SO-14	1.5	1.9	0.15	10	4(±2)	10(±5)	1.50	2.90	2.30	1.84
◆585-ALD4702BSBL	ALD4702BSBL	5V Precision, Quad	SO-14	1.5	1.9	2	30	4(±2)	12(±6)	1.50	5.24	4.16	3.34
585-ALD2702APAL	ALD2702APAL	5V Precision, Dual	DIP-8	1.5	1.9	1	20	4(±2)	12(±6)	1.50	4.38	3.17	2.78
585-ALD2702BPAL	ALD2702BPAL	5V Precision, Dual	DIP-8	1.5	1.9	2	20	4(±2)	12(±6)	1.50	3.69	2.93	2.35
585-ALD2722PBL	ALD2722PBL	5V High Precision, Dual	DIP-14	1.5	1.9	0.15	10	4(±2)	10(±5)	1.50	2.90	2.30	1.84
585-ALD4702BPBL	ALD4702BPBL	5V Precision, Quad	DIP-14	1.5	1.9	2	30	4(±2)	12(±6)	1.50	5.24	4.16	3.34
◆585-ALD1702ASAL	ALD1702ASAL	5V Precision, Single	SO-8	1.5	2.1	0.9	30	4(±2)	12(±6)	2.00	3.44	2.73	2.19
◆585-ALD1712SAL	ALD1712SAL	Precision, Single	SO-8	1.5	2.1	0.5	10	4(±2)	12(±6)	1.50	2.78	2.75	1.77
◆585-ALD1722SAL	ALD1722SAL	5V High Precision, Single	SO-8	1.5	2.1	0.09	10	4(±2)	10(±5)	1.50	2.87	2.84	1.82
585-ALD1702APAL	ALD1702APAL	5V Precision, Single	DIP-8	1.5	2.1	0.9	30	4(±2)	12(±6)	2.00	3.44	2.73	2.19
585-ALD1712PAL	ALD1712PAL	Precision, Single	DIP-8	1.5	2.1	0.5	10	4(±2)	12(±6)	1.50	2.78	2.75	1.77
585-ALD1722PAL	ALD1722PAL	5V High Precision, Single	DIP-8	1.5	2.1	0.09	10	4(±2)	10(±5)	1.50	2.87	2.84	1.82
◆585-ALD1704ASAL	ALD1704ASAL	High Slew Rate, Single	SO-8	2.1	5	0.9	20	6.5(±3.25)	12(±6)	4.50	3.83	3.04	2.44
◆585-ALD2704BSAL	ALD2704BSAL	High Slew Rate, Dual	SO-8	2.1	5	2	20	6.5(±3.25)	12(±6)	3.25	3.69	2.93	2.35
◆585-ALD2724SBL	ALD2724SBL	High Slew Rate High Precision, Dual	SO-14	2.1	5	0.15	10	6.5(±3.25)	10(±5)	3.25	2.90	2.30	1.84
◆585-ALD4704BSBL	ALD4704BSBL	High Slew Rate, Quad	SO-14	2.1	5	2	20	6.5(±3.25)	12(±6)	3.25	5.24	4.16	3.34
585-ALD1704APAL	ALD1704APAL	High Slew Rate, Single	DIP-8	2.1	5	0.9	20	6.5(±3.25)	12(±6)	4.50	3.47	2.75	2.20
585-ALD2704BPAL	ALD2704BPAL	High Slew Rate, Dual	DIP-8	2.1	5	2	20	6.5(±3.25)	12(±6)	3.25	3.69	2.93	2.35
585-ALD2724PBL	ALD2724PBL	High Slew Rate High Precision, Dual	DIP-14	2.1	5	0.15	10	6.5(±3.25)	10(±5)	3.25	2.90	2.30	1.84
585-ALD4704BPBL	ALD4704BPBL	High Slew Rate, Quad	DIP-14	2.1	5	2	20	6.5(±3.25)	12(±6)	3.25	5.24	4.16	3.34

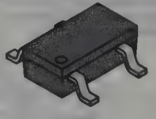
AVAGO Amplifiers

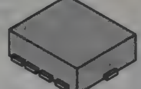

DIP-8


SOT-363


SO-8


SO-16


SOT-143


LPCC

SOT-343

AVAGO RF AMPLIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Operating Frequency	Power Gain (dB)	Noise Figure (dB)	Price Each			
						1	10	50	100
630-ABA-31563-BLKG	ABA-31563-BLKG	SOT-363	DC ~ 3.5 GHz	21.5	3.8	.66	.58	.53	.48
630-ABA-31563-TR1G	ABA-31563-TR1G	SOT-363	DC ~ 3.5 GHz	21.5	3.8	.66	.58	.53	.48
630-ABA-32563-TR1G	ABA-32563-TR1G	SOT-363	DC ~ 2.5 GHz	19.0	3.5	.72	.62	.57	.52
630-ABA-51563-BLKG	ABA-51563-BLKG	SOT-363	DC ~ 3.5 GHz	21.5	3.7	.63	.55	.51	.46
630-ABA-51563-TR1G	ABA-51563-TR1G	SOT-363	DC ~ 3.5 GHz	21.5	3.7	.63	.55	.51	.46
630-ABA-52563-BLKG	ABA-52563-BLKG	SOT-363	DC ~ 3.5 GHz	21.5	3.3	.69	.60	.55	.50
630-ABA-52563-TR1G	ABA-52563-TR1G	SOT-363	DC ~ 3.5 GHz	21.5	3.3	.69	.60	.55	.50
630-ABA-53563-BLKG	ABA-53563-BLKG	SOT-363	DC ~ 3.5 GHz	21.5	3.5	.85	.74	.68	.62
630-ABA-53563-TR1G	ABA-53563-TR1G	SOT-363	DC ~ 3.5 GHz	21.5	3.5	.85	.74	.68	.62
630-ABA-54563-BLKG	ABA-54563-BLKG	SOT-363	DC ~ 3.4 GHz	23.0	4.4	.91	.79	.73	.66
630-ABA-54563-TR1G	ABA-54563-TR1G	SOT-363	DC ~ 3.4 GHz	23.0	4.4	.91	.79	.73	.66
630-ADA-4543-BLKG	ADA-4543-BLKG	SOT-343	DC ~ 2.5 GHz	15.1	3.7	.55	.48	.44	.40
630-ADA-4543-TR1G	ADA-4543-TR1G	SOT-343	DC ~ 2.5 GHz	15.1	3.7	.55	.48	.44	.40
630-ADA-4643-BLKG	ADA-4643-BLKG	SOT-343	DC ~ 2.5 GHz	17.0	4.0	.61	.53	.48	.44
630-ADA-4643-TR1G	ADA-4643-TR1G	SOT-343	DC ~ 2.5 GHz	17.0	4.0	.61	.53	.48	.44
630-ADA-4743-BLKG	ADA-4743-BLKG	SOT-343	DC ~ 2.5 GHz	16.5	4.2	.66	.58	.53	.48
630-ADA-4743-TR1G	ADA-4743-TR1G	SOT-343	DC ~ 2.5 GHz	16.5	4.2	.66	.58	.53	.48

AVAGO GaAs AMPLIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Drain Voltage (Max)	Operating Frequency	High Gain (dB)	Gain Flatness ±(dB)	Price Each			
						1	10	50	100
630-AMMC-5040-W10	AMMC-5040-W10	5	20 - 45 GHz	25.0	1.5	60.50	52.80	48.40	44.00
630-AMMC-5618-W10	AMMC-5618-W10	7	6 - 20 GHz	14.5	0.3	44.00	38.40	35.20	32.00
630-AMMP-5618-BLK	AMMP-5618-BLK	7	6 - 20 GHz	13.0	0.3	70.51	61.54	56.41	51.28
630-AMMP-6120-BLK	AMMP-6120-BLK	7	8 - 24 GHz	18.0	-	42.32	36.94	33.86	30.78
630-AMMP-6220-BLK	AMMP-6220-BLK	7	6 - 20 GHz	22.0	-	77.58	67.70	62.06	56.42

AVAGO ISOLATED LINEAR SENSING IC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	Supply Voltage	Input Supply Current (mA)	Gain	Price Each			
						1	10	50	100
630-HCPL-7510-000E	HCPL-7510-000E	DIP-8	4.5 - 5.5	11.7 - 16	-3% ±3% dB	5.09	4.44	4.07	3.70
630-HCPL-7510-300E	HCPL-7510-300E	SO-8	4.5 - 5.5	11.7 - 16	-3% ±3% dB	5.14	4.49	4.11	3.74
630-HCPL-7520-000E	HCPL-7520-000E	DIP-8	4.5 - 5.5	11.7 - 16	-5% ±5% dB	4.68	4.08	3.74	3.40
630-HCPL-7800-000E	HCPL-7800-000E	DIP-8	4.5 - 5.5	10.86 - 16	8.0 dB	10.31	9.00	8.25	7.50
630-HCPL-7800-300E	HCPL-7800-300E	SO-8	4.5 - 5.5	10.86 - 16	8.0 dB	10.37	9.05	8.29	7.54
630-HCPL-7800A-000E	HCPL-7800A-000E	DIP-8	4.5 - 5.5	10.86 - 16	8.0 dB	13.42	11.71	10.74	9.76
630-HCPL-7800A-300E	HCPL-7800A-300E	SO-8	4.5 - 5.5	10.86 - 16	8.0 dB	13.48	11.76	10.78	9.80
630-HCPL-7840-000E	HCPL-7840-000E	DIP-8	4.5 - 5.5	10.86 - 15.5	8.0 dB	6.05	5.28	4.84	4.40
630-HCPL-7840-300E	HCPL-7840-300E	SO-8	4.5 - 5.5	10.86 - 15.5	8.0 dB	6.11	5.33	4.88	4.44
630-HCPL-788J-000E	HCPL-788J-000E	SO-16	4.5 - 5.5	10.7 - 20	-	8.17	7.13	6.53	5.94
630-IAM-91563-BLKG	IAM-91563-BLKG	SOT-363	3	9	9.0	3.47	3.02	2.77	2.52
630-MGA-52543-BLKG	MGA-52543-BLKG	SOT-343	5	17.5	15 dB	3.08	2.69	2.46	2.24
630-MGA-52543-TR1G	MGA-52543-TR1G	SOT-343	5	17.5	15 dB	3.08	2.69	2.46	2.24
630-MGA-53543-BLKG	MGA-53543-BLKG	SOT-343	5	54	15.4 dB	3.63	3.17	2.90	2.64
630-MGA-53543-TR1G	MGA-53543-TR1G	SOT-343	5	54	15.4 dB	3.63	3.17	2.90	2.64
630-MGA-545P8-BLK	MGA-545P8-BLK	LPCC	3.3	92	9.5 dB	3.63	3.17	2.90	2.64
630-MGA-565P8-BLK	MGA-565P8-BLK	LPCC	5	67	22 dB	3.03	2.64	2.42	2.20
630-MGA-565P8-TR1	MGA-565P8-TR1	LPCC	5	67	22 dB	3.03	2.64	2.42	2.20
630-MGA-61563-BLKG	MGA-61563-BLKG	SOT-363	3 or 5	41	16.6 dB	2.12	1.85	1.69	1.54
630-MGA-62563-BLKG	MGA-62563-BLKG	SOT-363	3	60	22 dB	2.28	1.99	1.83	1.66
630-MGA-62563-TR1G	MGA-62563-TR1G	SOT-363	3	60	22 dB	2.28	1.99	1.83	1.66
630-MGA-665P8-BLK	MGA-665P8-BLK	LPCC	3	20.5	16 dB	3.30	2.88	2.64	2.40
630-MGA-71543-BLKG	MGA-71543-BLKG	SOT-343	2.7-4.2	2	16 dB	1.93	1.68	1.54	1.40
630-MGA-72543-BLKG	MGA-72543-BLKG	SOT-343	2.7-4.2	60	14 dB	2.28	1.99	1.83	1.66
630-MGA-72543-TR1G	MGA-72543-TR1G	SOT-343	2.7-4.2	60	14 dB	2.28	1.99	1.83	1.66
630-MGA-81563-BLKG	MGA-81563-BLKG	SOT-363	3	42	12.4 dB	2.04	1.78	1.63	1.48
630-MGA-81563-TR1G	MGA-81563-TR1G	SOT-363	3	42	12.4 dB	2.04	1.78	1.63	1.48
630-MGA-82563-BLKG	MGA-82563-BLKG	SOT-363	3	84	13.2 dB	2.39	2.09	1.91	1.74
630-MGA-82563-TR1G	MGA-82563-TR1G	SOT-363	3	84	13.2 dB	2.39	2.09	1.91	1.74
630-MGA-83563-BLKG	MGA-83563-BLKG	SOT-363	3	152	22 dB	3.22	2.81	2.57	2.34
630-MGA-85563-BLKG	MGA-85563-BLKG	SOT-363	3	15	18 dB	2.37	2.06	1.89	1.72
630-MGA-86563-BLKG	MGA-86563-BLKG	SOT-363	5	14	21.8 dB	2.67	2.33	2.13	1.94
630-MGA-86563-TR1G	MGA-86563-TR1G	SOT-363	5	14	21.8 dB	2.67	2.33	2.13	1.94
630-MGA-86576-STRG	MGA-86576-STRG	-	9	16	23 dB	8.86	7.73	7.08	6.44
630-MGA-87563-BLKG	MGA-87563-BLKG	SOT-363	3	4.5	12.5 dB	2.31	2.02	1.85	1.68
630-MGA-87563-TR1G	MGA-87563-TR1G	SOT-363	3	4.5	12.5 dB	2.31	2.02	1.85	1.68
630-MSA-0386-BLKG	MSA-0386-BLKG	-	6	70	12 dB	2.48	2.16	1.98	1.80
630-MSA-0386-TR1G	MSA-0386-TR1G	-	6	70	12 dB	2.48	2.16	1.98	1.80
630-MSA-0486-BLKG	MSA-0486-BLKG	-	10.1	135	18 dB	2.75	2.40	2.20	2.00
630-MSA-0505-STRG	MSA-0505-STRG	-	10.1	135	18 dB	4.54	3.96	3.63	3.30
630-MSA-0520	MSA-0520	-	13.5	225	23 dB	54.59	47.64	43.67	39.70
630-MSA-0611-TR1G	MSA-0611-TR1G	SOT-143	4	40	18 dB	1.65	1.44	1.32	1.20
630-MSA-0686-BLKG	MSA-0686-BLKG	-	4.2	50	18.5 dB	2.34	2.04	1.87	1.70
630-MSA-0686-TR1G	MSA-0686-TR1G	-	4.2	50	18.5 dB	2.34	2.04	1.87	1.70
630-MSA-0786-BLKG	MSA-0786-BLKG	-	4.8	60	12.5 dB	2.70	2.35	2.16	1.96
630-MSA-0886-BLKG	MSA-0886-BLKG	-	9.4	65	32.5 dB	1.79	1.56	1.43	1.30
630-MSA-0886-TR1G	MSA-0886-TR1G	-	9.4	65	32.5 dB	1.79	1.56	1.43	1.30
630-MSA-1105-STRG	MSA-1105-STRG	-	6.6	80	17.5 dB	3.44	3.00	2.75	2.50
630-MSA-1105-TR1G	MSA-1105-TR1G	-	6.6	80	17.5 dB	3.44	3.00	2.75	2.50
630-MSA-1110	MSA-1110	-	6.5	90	12 dB	52.66	45.96	42.13	38.30
630-MSA-2111-TR1G	MSA-2111-TR1G	SOT-143	4.3	40	16.5 dB	2.89	2.52	2.31	2.10

CEL SMD Monolithic Microwave ICs

CEL California Eastern Laboratories

RoHS Compliant **This page of product is compliant.**

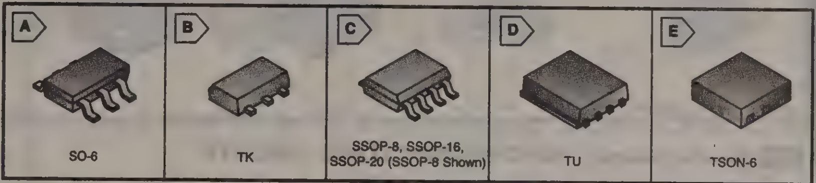
CEL SMD SILICON MONOLITHIC CIRCUITS

CEL offers a broad range of silicon ICs for multimedia, mobile communications and wireless applications. They are based on a high performance bipolar process featuring fTS up to 45GHz. The process permits the productions of transistors with lower parasitics, improved passivation and emitter line widths as small as 0.6 microns. It accommodates low operating voltages while offering high operating frequencies, low noise figures, high efficiency and high reliability. These devices operate from 1 to 5 volts; they include amplifiers, prescalers, frequency converters, IQ modulators and demodulators and multifunction ICs for GPS (Global Positioning System), RKE (Remote Keyless Entry) and W-CDMA markets or for cable modems/settop boxes applications.

Electrical Characteristics (TA=25°C)

NEW FROM SUPPLIER

RoHS Compliant



SO-6
TK
SSOP-8, SSOP-16, SSOP-20 (SSOP-8 Shown)
TU
TSON-6

Amplifiers ◆ Surface Mount

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Freq. Range @ 3dB Down TYP (MHz)	VCC (V)	ICC (mA)			NF (dB) TYP.	Gain (dB)			RLIN TYP (dB)	RLOUT TYP (dB)	P1B TYP (dBm)	ISOL TYP (dB)	Price Each			
					MIN	TYP	MAX		MIN	TYP	MAX					1	100	500	1000
Low Power Amplifiers																			
◆551-UPC2748TB-A	UPC2748TB-A	A	1600	3.0	4.5	6.0	8.0	2.8	16.0	19.0	21.0	11.5	8.5	-8.5	40	1.10	.88	.75	.66
◆551-UPC2746TB-A	UPC2746TB-A	A	1600	3.0	5.0	7.5	10.0	4.0	16.0	19.0	21.0	13.0	8.5	-3.7	45	1.23	.98	.83	.74
◆551-UPC2747TB-A	UPC2747TB-A	A	1800	4.0	3.8	5.0	7.0	3.3	9.0	12.0	14.0	14.0	10.0	-7.0	40	1.10	.88	.75	.66
◆551-UPC2745TB-A	UPC2745TB-A	A	2700	3.0	5.0	7.5	10.0	6.0	9.0	12.0	14.0	11.0	5.5	-3.0	38	.88	.70	.60	.53
◆551-UPC2749TB-A	UPC2749TB-A	A	2900	3.0	4.0	6.0	8.0	4.0	13.0	16.0	18.5	10.0	12.5	-12.5	30	1.10	.88	.75	.66
◆551-UPC8182TB-A	UPC8182TB-A	A	2900	3.0	22.0	30.0	38.0	4.5	17.5	20.5	23.5	0.0	11.0	+9.0	32	1.30	1.04	.88	.78
◆551-UPC8151TB-A	UPC-8151TB-A	A	100 to 1900	3.0	2.8	4.2	5.8	6.0	9.5	12.5	14.5	5.0	10.0	+2.5	38	.88	.70	.60	.53
◆551-UPC8178TB-A	UPC8178TB-A	A	100 to 2400	3.0	1.4	1.9	2.4	5.5	9.0	11.5	13.5	8.0	—	-7.0	40	1.63	1.30	1.11	.98
◆551-UPC8178TK-A	UPC8178TK-A	B	100 to 2400	3.0	1.4	1.9	2.4	5.5	9.0	11.5	13.5	8.0	—	-7.0	40	1.73	1.38	1.17	1.04
◆551-UPC8179TB-A	UPC8179TB-A	A	100 to 2400	3.0	2.9	4.0	5.4	5.0	13.0	15.5	17.5	7.0	—	1.5	42	1.63	1.30	1.11	.98
◆551-UPC8179TK-A	UPC8179TK-A	B	100 to 2400	3.0	2.9	4.0	5.4	5.0	13.0	15.5	17.5	7.0	—	0.5	42	2.15	1.72	1.46	1.29
Wideband Amplifiers																			
◆551-UPC2710TB-A	UPC2710TB-A	A	1000	5.0	16.0	22.0	29.0	3.5	30.0	33.0	36.5	6.0	12.0	+10.8	39	1.03	.82	.70	.62
◆551-UPC2711TB-A	UPC2711TB-A	A	1900	5.0	9.0	12.0	16.0	5.0	11.0	13.0	16.5	25.0	12.0	-2.6	30	1.03	.82	.70	.62
◆551-UPC1678GV-A	UPC1678GV-A	C	1900	5.0	40.0	49.0	60.0	6.0	21.0	23.0	25.0	14.0	4.0	+15.9	35	2.48	1.98	1.68	1.49
◆551-UPC2771TB-A	UPC2771TB-A	A	2100	3.0	—	36.0	45.0	6.0	19.0	21.0	24.0	14.0	10.0	+11.5	30	1.18	.94	.80	.71
◆551-UPC2709TB-A	UPC2709TB-A	A	2300	5.0	19.0	25.0	32.0	5.0	21.0	23.0	26.5	10.0	16.0	+8.7	31	1.03	.82	.70	.62
◆551-UPC2763TB-A	UPC2763TB-A	A	2400	3.0	—	27.0	35.0	5.5	16.5	20.0	22.5	12.0	9.0	+6.5	29	1.18	.94	.80	.71
◆551-UPC2712TB-A	UPC2712TB-A	A	2600	5.0	9.0	12.0	16.0	4.5	18.0	20.0	23.5	12.0	13.0	-0.4	33	1.03	.82	.70	.62
◆551-UPC2776TB-A	UPC2776TB-A	A	2700	5.0	18.0	25.0	33.0	6.0	10.0	23.0	26.0	7.5	20.0	+6.0	32	1.03	.82	.70	.62
◆551-UPC2762TB-A	UPC2762TB-A	A	2900	3.0	—	27.0	35.0	6.5	11.5	16.5	17.5	8.5	12.0	+7.0	25	1.18	.94	.80	.71
◆551-UPC3215TB-A	UPC3215TB-A	A	2900	5.0	—	14.0	—	2.3	18.5	20.5	—	15.0	9.5	+1.5	44	1.65	1.32	1.12	.99
◆551-UPC3223TB-A	UPC3223TB-A	A	3200	5.0	15.0	19.0	24.0	4.5	20.5	23.0	22.5	12.0	12.0	+6.5	33	.83	.66	.56	.50
◆551-UPC3224TB-A	UPC3224TB-A	A	3200	5.0	7.0	9.0	12.0	4.3	19.0	21.5	24.0	12.0	17.0	-3.5	40	.83	.66	.56	.50
◆551-UPC3225TB-A	UPC3225TB-A	A	2800	5.0	20.0	24.5	31.0	3.7	30.0	32.5	35.0	8.5	10.5	+9.0	41	1.83	1.46	1.24	1.10
◆551-UPC3226TB-A	UPC3226TB-A	A	3200	5.0	12.5	15.5	19.5	5.3	22.0	24.0	26.0	14.0	13.0	+7.5	34	.93	.74	.63	.56
◆551-UPC3227TB-A	UPC3227TB-A	A	3200	3.0	4.0	4.8	6.0	4.7	20.5	22.5	24.5	10.5	13.5	-6.5	40	.93	.74	.63	.56
◆551-UPC2708TB-A	UPC2708TB-A	A	2900	5.0	20.0	26.0	33.0	6.5	13.0	16.0	18.5	11.0	20.0	+7.5	23	1.03	.82	.70	.62
◆551-UPC3232TB-A	UPC3232TB-A	A	3200	5.0	20.0	26.0	32.0	4.0	30.0	32.8	35.5	9.5/13	10/14.5	+15.5	41	.93	.74	.63	.56
◆551-UPC8181TB-A	UPC8181TB-A	A	4000	3.0	—	23.0	30.0	4.5	18.0	21.0	24.0	10.5	10.0	+7.0	32	1.30	1.04	.88	.78
SiGe Low Noise Amplifier																			
◆551-UPC8215TU-A	UPC8215TU-A	D	1575	3.0	- - -	10.0	13.0	1.3	24.0	27.0	30.0	-7.0	-14.0	+5.0	40.0	2.88	2.30	1.96	1.73
◆551-UPC8230TU-A	UPC8230TU-A	D	1575	3.0	- - -	6.0	- - -	0.85	- - -	18.5	- - -	-11.0	-15.0	-17.0	- - -	1.10	.88	.75	.66
◆551-UPC8231TK-A	UPC8231TK-A	B	1575	3.0	- - -	3.5	- - -	0.8	- - -	20.0	- - -	-8.0	-19.0	-22.0	- - -	1.10	.88	.75	.66
◆551-UPC8232T5N-A	UPC8232T5N-A	E	1575	3.0	- - -	3.0	- - -	0.95	- - -	17.0	- - -	-10.0	-19.0	-22.0	- - -	1.10	.88	.75	.66
◆551-UPC8211TK-A	UPC8211TK-A	B	3000	3.0	—	3.5	4.5	1.3	15.5	18.5	21.5	7.5	14.5	-4.0	32.5	1.10	.88	.75	.66

Video Amplifiers

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	VCC (V) Typ.	ICC (mA) Typ.	Differential Voltage Gain		Gain 3dB Down from 100KHz		Price Each			
					Gain 1	Gain 2	Gain 1	Gain 2	1	100	500	1000
◆ 551-UPC1663GV-A	UPC1663GV-A	C	+/- 6.0	13.0	320	10	120	700	2.33	1.86	1.58	1.40

Frequency Downconverters

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	RF Input Freq. Range @ 3dB Down Typ. (MHz)	IF Output Freq. Range @ 3dB Down Typ. (MHz)	VCC (V)	ICC TYP. (mA)	Conversion Gain TYP. (dB)	PSAT TYP. (dBm)	Noise Figure TYP. (dB)	Test Cond. (MHz)		Price Each			
										RF	IF	1	100	500	1000
◆ 551-UPC2756TB-A	UPC2756TB-A	A	100 to 2000	10 to 300	3.0	6.0	14	-12	13.0	1000	20	2.80	2.24	1.90	1.68
◆ 551-UPC2757TB-A	UPC2757TB-A	A	100 to 2000	20 to 300	3.0	5.6	13	-8	13.0	2000	250	2.20	1.76	1.50	1.32
◆ 551-UPC2758TB-A	UPC2758TB-A	A	100 to 2000	20 to 300	3.0	11.0	17	-4	13.0	2000	250	2.20	1.76	1.50	1.32
◆ 551-UPC2798GR-A	UPC2798GR-A	C	20 to 250	DC to 150	5.0	23.0	25	——	9.0	——	——	5.70	4.56	3.88	3.42
◆ 551-UPC3220GR-A	UPC3220GR-A	C	30 to 250	0.1 to 150	5.0	20.0	25	——	7.0	——	——	3.63	2.90	2.47	2.18
◆ 551-UPC8112TB-A	UPC8112TB-A	A	800 to 2000	100 to 300	3.0	8.5	13	-3	11.2	900	250	1.85	1.48	1.26	1.11

Frequency Upconverters

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	IF Input Freq. Range @ 3dB Down Typ. (MHz)	RF Output Freq. Range Down Typ. (MHz)	VCC TYP. (V)	ICC TYP. (mA)	Conversion Gain TYP. (dB)	PSAT TYP. (dBm)	Noise Figure TYP. (dB)	Price Each			
										1	100	500	1000
◆ 551-UPC8163TB-A	UPC8163TB-A	A	50 to 300	800 to 2000	3.0	16.5	9	-2	12.5	1.98	1.58	1.34	1.19
◆ 551-UPC8172TB-A	UPC8172TB-A	A	50 to 400	800 to 2500	3.0	9.0	8.5	0	10.4	1.85	1.48	1.26	1.11
◆ 551-UPC8187TB-A	UPC8187TB-A	A	50 to 400	800 to 2500	3.0	15.0	11	+2.5	12.0	2.75	2.20	1.87	1.65
◆ 551-UPC8106TB-A	UPC8106TB-A	A	50 to 400	400 to 2000	3.0	9.0	10	-2	8.5	2.00	1.60	1.36	1.20

Prescalers

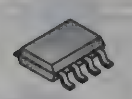
For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	fIN (GHz)		PIN (dBm)		POUT TYP. (dBm)	VCC (V)	ICC (mA)			Divide Ratio	Price Each			
			MIN	MAX	MIN	MAX			MIN	TYP.	MAX		1	100	500	1000
◆ 551-UPB1509GV-A	UPB1509GV-A	C	0.5	1	-20	-5	NA	2.2 to 5.5	—	5.3	—	2/4/8	3.15	2.52	2.14	1.89
◆ 551-UPB1508GV-A	UPB1508GV-A	C	0.5	3	-10	+10	-7	5.0	—	12	—	2	3.15	2.52	2.14	1.89
◆ 551-UPB1507GV-A	UPB1507GV-A	C	0.5	3	-15	+6	NA	5.0	12.5	—	26.5	64/128/256	2.68	2.14	1.82	1.61
◆ 551-UPB1510GV-A	UPB1510GV-A	C	0.5	3	-15	+6	-7	5.0	—	16	—	4	2.68	2.14	1.82	1.61
◆ 551-UPB1512TU-A	UPB1512TU-A	D	5	13	-8	0	-4.5	5.0	—	48	—	8	6.93	5.54	4.71	4.16
◆ 551-UPB1513TU-A	UPB1513TU-A	D	5	13	-8	0	-4.0	5.0	—	48	—	4	6.93	5.54	4.71	4.16

CEL SMD Monolithic Microwave ICs

RoHS Compliant **This page of product is compliant.**

A

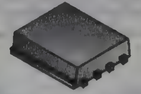


SSOP-8, SSOP-16, SSOP-20

B

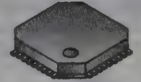
TK

C



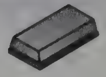
TU

D



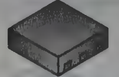
QFN-44

E



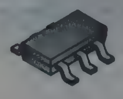
QFN-20

F



TSSON-6

G



SO6

CEL California Eastern Laboratories SILICON MONOLITHIC CIRCUITS

CEL offers a broad range of silicon ICs for multimedia, mobile communications and wireless applications. They are based on a high performance bipolar process featuring fTS up to 45GHz. The process permits the productions of transistors with lower parasitics, improved passivation and emitter line widths as small as 0.6 microns. It accommodates low operating voltages while offering high operating frequencies, low noise figures, high efficiency and high reliability These devices operate from 1 to 5 volts; they include amplifiers, prescalers, frequency converters, IQ modulators and demodulators and multifunction ICs for GPS (Global Positioning System), RKE (Remote Keyless Entry) and W-CDMA markets or for cable modems/settop boxes applications.

◆ Surface Mount

NEW FROM SUPPLIER

RoHS Compliant

AGC Amplifiers with Video Output

Electrical Characteristics (TA=25°C)

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Freq. Range @ 3dB Down TYP (MHz)	VCC (V)	ICC (mA)			NF (dB) TYP.	Gain (dB)			RLIN TYP (dB)	RLOUT TYP (dB)	P1B TYP (dBm)	ISOL TYP (dB)	Price Each			
					MIN	TYP	MAX		MIN	TYP	MAX					1	100	500	1000
◆ 551-UPC3217GV-A	UPC3217GV-A	A	100	5	15	23	34	6.5	0	- - -	53	- - -	- - -	- - -	53	2.75	2.20	1.87	1.65
◆ 551-UPC3218GV-A	UPC3218GV-A	A	100	5	15	23	34	3.5	10	- - -	63	- - -	- - -	- - -	53	2.75	2.20	1.87	1.65
◆ 551-UPC3219GV-A	UPC3219GV-A	A	100	5	28	35	42	9.0	0	- - -	42	- - -	- - -	- - -	42	2.75	2.20	1.87	1.65
◆ 551-UPC3221GV-A	UPC3221GV-A	A	100	5	26	33	41	4.2	10	- - -	60	- - -	- - -	- - -	50	2.60	2.08	1.77	1.56
◆ 551-UPC3231GV-A	UPC3231GV-A	A	90	5	28	36	44	5.0	4	- - -	65	- - -	- - -	- - -	61	2.65	2.12	1.80	1.59

Variable Gain Amplifier

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Freq. Range @ 3dB Down TYP (MHz)	VCC (V)	ICC (mA)			NF (dB) TYP.	Gain (dB)			RLIN TYP (dB)	RLOUT TYP (dB)	P1B TYP (dBm)	ISOL TYP (dB)	Price Each			
					MIN	TYP	MAX		MIN	TYP	MAX					1	100	500	1000
◆ 551-UPC8204TK-A	UPC8204TK-A	B	800 to 2500	3	8.5	11.5	15	7.5	- - -	-26	+14	13.0	- - -	- - -	- - -	3.03	2.42	2.06	1.82

Driver Amplifier

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	VCC (V)	IDS Typ. (mA)	VGS Typ. (V)	Pout Min. dBm)	PAE Typ. (%)	PD Max. (W)	Adjacent Channel Power (dBc)		RLIN Typ. (dB)	RLOUT Typ. (dB)	P1db Typ. (Dbm)	Price Each			
									1	2				1	100	500	1000
◆ 551-UPD5702TU-A	UPD5702TU-A	C	3	150	2	20.5	27	0.866	- 61	- 76	10.0	10.0	17	2.80	2.24	1.90	1.68

GPS Receivers

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	RF Input Frequency Typ. (MHz)	IO Output Frequency Typ. (MHz)	Conversion Gain Typ.(dB)	VCC (V)	ICC Typ. (dB)	Functions	Power Dissipation Max. (mW)	Price Each			
										1	100	500	1000
◆ 551-UPB1009K-A	UPB1009K-A	D	1575.42	TCXO	16.1	3.6	26	LNA, RF & IF Dwnconv, PLL Freq	266	16.18	12.94	11.00	9.71

W-CDMA AGC Amplifier + I/Q Modulators

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	RF Input Frequency Typ. (MHz)	IO Output Frequency Typ. (MHz)	Conversion Gain Typ.(dB)		VCC (mA)	ICC (dB)	Noise Figure (dB)	Input P1dB (dBm)	3rd Order Interceptor Point	Price Each			
					Min.	Max.						1	100	500	1000
◆ 551-UPC8190K-A	UPC8190K-A	E	380	DC to 10	-20	+77	3.0	9	9.5	-45	-55	10.40	8.32	7.07	6.24
◆ 551-UPC8194K-A	UPC8194K-A	E	190	DC to 10	-20	+77	3.0	9	9.5	-50	-55	10.40	8.32	7.07	6.24

W-CDMA AGC Amplifier + I/Q Demodulators

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	IF Input Freq. Range @ 3dB Down (MHz)	IF Output Freq. Range @ 1dB Down (MHz)	LO Freq. Range (dBm)	Output Power (inl. AGC) (dBm)	VCC (V)	ICC (mA)	Price Each			
									1	100	500	1000
◆ 551-UPC8191K-A	UPC8191K-A	E	DC - 10	263 - 615	350 - 820	-93 to - 13	3.0	30.5	10.40	8.32	7.07	6.24
◆ 551-UPC8195K-A	UPC8195K-A	E	DC - 10	230 - 475	460 - 950	-88 to -13	3.0	25.5	10.40	8.32	7.07	6.24

CEL California Eastern Laboratories GAAS MONOLITHIC CIRCUITS

Electrical Characteristics (TA=25°C) CEL offers a broad range of gallium arsenide (GaAs) IC switches for medium to high power applications. They have the same high reliability, low cost technology found in CEL's discrete FET devices

NEW FROM SUPPLIER

RoHS Compliant

◆ Surface Mount

Switches

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Frequency Range (GHz)	Insertion Loss (dB)	Isolation		RLIN Min./Typ. (dB)	RLOUT (Through) Min. (dB)	P1dB (dBm)	Switching Speed (ns)	VCONT Control Voltage (V)	Price Each			
					@ 1 GHz (dB)	@ 2 GHz (dB)						1	100	500	1000
SPDT Dual Control Switches															
◆ 551-UPG2151T5K-A	UPG2151T5K-A	F	0.05 to 3.0	0.4	- - -	18	---/20	20 (Typ)	36.0	10	+6.0	.95	.76	.65	.57
◆ 551-UPG2158T5K-A	UPG2158T5K-A	F	0.05 to 3.0	0.45	- - -	19	15/20	15	29.0	50	+6.0	.98	.78	.66	.59
◆ 551-UPG2214TB-A	UPG2214TB-A	G	0.5 to 2.5	0.35	27	27	15/20	15	20.0	20	-6.0 to +6.0	.70	.56	.48	.42
◆ 551-UPG2214TK-A	UPG2214TK-A	B	0.5 to 2.5	0.38	27	27	15/20	15	20.0	20	-6.0 to +6.0	.88	.70	.60	.53
◆ 551-UPG2155TB-A	UPG2155TB-A	G	0.5 to 2.5	0.4	19	17	15/20	15	38.0	0.001	+6.0	1.28	1.02	.87	.77
◆ 551-UPG2030TK-A	UPG2030TK-A	B	0.5 to 2.5	0.55	27	27	---/15	15	30.0	50	-6.0 to +6.0	.98	.78	.66	.59
◆ 551-UPG2009TB-A	UPG2009TB-A	G	100 to 2500	0.5	---	28	---/20	20	36.0	150	+2.5 to +5.3	1.55	1.24	1.05	.93
◆ 551-UPG2179TB-A	UPG2179TB-A	G	100 to 2500	0.3	---	27	15/20	15	32.0	50	+2.5 to +5.3	.90	.72	.61	.54

CEL Monolithic Microwave ICs

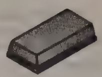
RoHS Compliant **This page of product is compliant.**

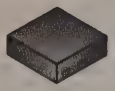
A

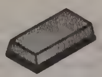
QFN-20

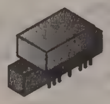
B

SO-6

C

QFN-12

D

TSON-6

E

TQ

F

MODULE

California Eastern Laboratories

GAAS MONOLITHIC CIRCUITS

Electrical Characteristics (TA=25°C) NEC offers a broad range of gallium arsenide (GaAs) IC switches for medium to high power applications. They have the same high reliability, low cost technology found in NEC's discrete FET devices

NEW FROM SUPPLIER

RoHS Compliant

◆ **Surface Mount**

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Frequency Range (GHz)	Insertion Loss (dB)	Isolation @ 1 GHz (dB)	Isolation @ 2 GHz (dB)	RLIN Min./Typ. (dB)	RLOUT (Through) Min. (dB)	P1dB (dBm)	Switching Speed (ns)	VCONT Control Voltage (V)	Price Each 1	100	500	1000
SPDT Single Control Switch															
◆ 551-UPD5713TK-A	UPG5713TK-A	A	0.05 to 2.5	0.8	25	22.5	13/17	13	+21	30	-0.5 to +4.6	.50	.40	.34	.30
◆ 551-UPG2015TB-A	UPG2015TB-A	B	0.5 to 2.5	0.3	28	25	---/20	20	+30	300	+6.0	1.15	.92	.78	.69
◆ 551-UPG2012TB-A	UPG2012TB-A	A	0.1 to 2.5	0.3	---	28	---/15	15	+24	300	+6.0	.95	.76	.65	.57
◆ 551-UPG2012TK-A	UPG2012TK-A	B	0.1 to 2.5	0.3	---	28	---/15	15	+24	300	+6.0	1.00	.80	.68	.60
◆ 551-UPG2010TB-A	UPG2010TB-A	B	0.1 to 2.5	0.35	28	25	---/15	15	+33	1000	+6.0	1.80	1.44	1.22	1.08
Multi-Throw Switches															
◆ 551-UPG2031TQ-A	UPG2031TQ-A	C	0.5 to 2.0	0.55	21	---	15/20	15	+36	150	-6.0 to +6.0	2.68	2.14	1.82	1.61
Broadband Switches															
◆ 551-UPG2157T5F-A	UPG2157T5F-A	A	2.3 to 5.85	0.6	—	25	---/20	20	>37	150	-6.0 to +6.0	1.58	1.26	1.07	.95
◆ 551-UPG2022TB-A	UPG2022TB-A	B	4.9 to 6.0	0.9	—	18	---/10	10	31	20	-6.0 to +6.0	1.88	1.50	1.28	1.13
551-UPG2035T5F-A ◆	UPG2035T5F-A	A	2.4 to 2.5 4.9 to 6.0	0.8/1.2	—	34/33	---/15	15	31/30	50	3.0	1.05	.84	.71	.63
◆ 551-UPG2162T5N-A	UPG2162T5N-A	D	2.4 to 2.5 4.9 to 6.0	0.6/0.85	- - -	30/27	---/15	15 (Typ)	31/29	150	3.0/0.0	1.20	.96	.82	.72
◆ 551-UPG2163T5N-A	UPG2163T5N-A	D	4.9 to 6.0	0.4/0.5	—	35/30	---/15	15	31/29	50	-6.0 to +6.0	1.03	.82	.70	.62
◆ 551-UPG2164T5N-A	UPG2164T5N-A	D	2.4 to 2.5 4.9 to 6.0	0.5/0.7	- - -	25/17	---/15	15 (Typ)	31/29	50	-6.0 to +6.0	1.08	.86	.73	.65

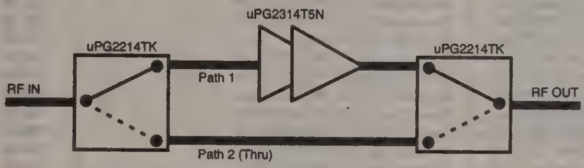
NEW FROM SUPPLIER

Low Noise Amplifier

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Frequency Range (MHz)	Supply Voltage (V)	Total Current (mA)	Input Power (dBm)	Power Gain (dB)	ICC Typ. (mA)	Noise Figure (dB)	Input P1dB (dBm) (Typ.)	Total Power Dissipation (mW)	Price Each 1	100	500	1000
◆ 551-UPG2311T5F-A	UPG2311T5F-A	A	1575	5.0	17	+10	37.0	17.0	1.2	+5	250	1.60	1.28	1.09	.96

These devices (the NEC UPG2314T5N medium power amplifier and two UPG2214TK RF switches) can be used for a "range extension" application at 2.4GHz (such as for Bluetooth or ZigBee applications). With a 3V power supply and 0dBm of input power, this range extender will deliver 19dBm of output power (including the insertion loss of the switches and PCB), for a current draw of approximately 65mA. The "thru" path has approx. 1.4dB of loss (insertion loss of both switches + loss in the PCB). Please see the NEC/CEL RF IC Evaluation Boards page for evaluation boards (UPG2301TQ-ZBT-EV-A, UPG2314T5N-ZBT-EV-A and UPG2250T5N-EVAL-A) that are available for use in this type of application.



NEW! TECHNOLOGY

Power Amplifiers for Bluetooth Class1 and ZigBee

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Operating Frequency (MHz)	Supply Voltage (V)	Total Current (mA)	Input Power (dBm)	Power Gain (dB)	AGC Control Current	AGC Control Voltage (V)	Variable Gain Range (dB) MIN.	MAX.	Total Power Dissipation (mW)	Price Each 1	100	500	1000
◆ 551-UPG2250T5N-A	UPG2250T5N-A	D	2400 to 2500	1.8	250	+5.0	60.0	3.0mA	2.4	- - -	- - -	400	3.63	2.90	2.47	2.18
◆ 551-UPG2301TQ-A	UPG2301TQ-A	D	2400 to 2500	5.0	---	+10.0	23.0	0.5mA	3.6	20.0	23.0	700	3.45	2.76	2.35	2.07
◆ 551-UPG2314T5N-A	UPG2314T5N-A	C	2400 to 2500	3.0	- - -	+10.0	23.0	0.5mA	3.6	17.0	23.0	700	3.45	2.76	2.35	2.07

Power Amplifier for UHF to S-Band

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Operating Frequency (MHz)	Supply Voltage (V)	Ref. Voltage Max (V)	Input Power Max (dBm)	Reference Current Max (mA)	Output Power Min (dBm)	Power Added Efficiency Min (%)	Total Power Dissipation (mW)	Price Each 1	100	500	1000
◆ 551-UPG2118K-A	UPG2118K-A	E	800 to 2500	3.2	5.0	15.0	10.0	31.5	42	4	8.60	6.88	5.85	5.16

Power Doubler Amplifiers

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Frequency Range (MHz)	Power Gain Min (dB)	Power Gain Max. (dB)	Composite Triple Beat Typ.	Composite Triple Beat Max.	Composite 2nd Order Beat Typ.	Composite 2nd Order Beat Max.	Cross Mod (dBc) Typ.	Cross Mod (dBc) Max.	Operating Current Max. (mA)	Price Each 1	100	500	1000
◆ 551-MC7893-AZ	MC7893-AZ	F	40 - 1000	22.5	24.0	- - -	-63	- - -	-65	- - -	60	385	84.43	67.54	57.41	50.66
◆ 551-MC7894-AZ	MC7894-AZ	F	40 - 1000	24.5	25.5	- - -	-63	- - -	-65	- - -	60	385	88.98	71.18	60.50	53.39

CEL RF IC Evaluation Boards

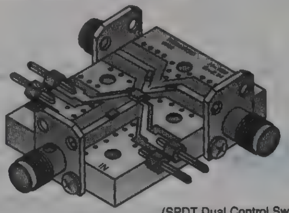
Products may be RoHS compliant.
Check mouser.com for RoHS status.

Evaluation boards help speed the design process by providing our customers with good examples of working circuit designs. Prototypes are designed, etched and tested in the engineering facility at California Eastern Laboratories.

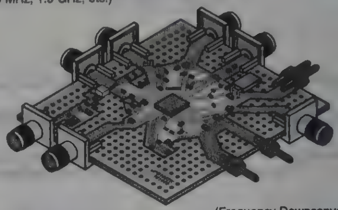
Features:

- Layout is done in AutoCad®
- Boards are produced on FR4 board material to simulate the production environment
- RF and IF inputs and outputs are ported through SMA connectors
- DC connections are through header pins
- On-board bypass capacitors are provided
- Includes assembly drawings, schematics, datasheet and typical test data

Evaluation boards for RFICs are either 50 ohms in and out for wideband use or have been optimized for use at industry standard frequencies (900 MHz, 1900 MHz, 1.9 GHz, etc.)



(SPDT Dual Control Switch Shown)



(Frequency Downconverter Shown)

Low Power Amplifiers

MOUSER STOCK NO.	Description	Price Each
UPC2745TB-EVAL	For evaluation of UPC2745TB-A	108.00
UPC2746TB-EVAL	For evaluation of UPC2746TB-A	108.00
UPC2747TB-EVAL	For evaluation of UPC2747TB-A	108.00
UPC2748TB-EVAL	For evaluation of UPC2748TB-A	108.00
UPC2749TB-EVAL	For evaluation of UPC2749TB-A	108.00
UPC8151TB-EV09	For evaluation of UPC8151TB-A, optimized at 900MHz	108.00
UPC8151TB-EV19	For evaluation of UPC8151TB-A, optimized at 1.9GHz	108.00
UPC8178TB-EV09	For evaluation of UPC8178TB-A, optimized for 900MHz	108.00
UPC8178TB-EV19	For evaluation of UPC8178TB-A, optimized for 1.9GHz	108.00
UPC8178TB-EV24	For evaluation of UPC8178TB-A, optimized for 2.49GHz	108.00
UPC8178TK-EV09	For evaluation of UPC8178TK-A, optimized for 900MHz	108.00
UPC8178TK-EV19	For evaluation of UPC8178TK-A, optimized for 1.9GHz	108.00
UPC8178TK-EV24	For evaluation of UPC8178TK-A, optimized for 2.4GHz	108.00
UPC8179TB-EV09	For evaluation of UPC8179TB-A, optimized at 900MHz	108.00
UPC8179TB-EV19	For evaluation of UPC8179TB-A, optimized at 1.9GHz	108.00
UPC8179TB-EV22	For evaluation of UPC8179TB-A, optimized at 2.2GHz	108.00
UPC8179TB-EV24	For evaluation of UPC8179TB-A, optimized at 2.4GHz	108.00
UPC8179TK-EV09	For evaluation of UPC8179TK-A, optimized at 900MHz	108.00
UPC8179TK-EV19	For evaluation of UPC8179TK-A, optimized at 1.9GHz	108.00
UPC8179TK-EV24	For evaluation of UPC8179TK-A, optimized at 2.4GHz	108.00

NEW FROM SUPPLIER

Wideband Amplifiers

UPC1678GV-EVAL	For evaluation of UPC1678GV-A	108.00
UPC2708TB-EVAL	For evaluation of UPC2708TB-A	108.00
UPC2709TB-EVAL	For evaluation of UPC2709TB-A	108.00
UPC2710TB-EVAL	For evaluation of UPC2710TB-A	108.00
UPC2711TB-EVAL	For evaluation of UPC2711TB-A	108.00
UPC2712TB-EVAL	For evaluation of UPC2712TB-A	108.00
UPC2762TB-EVAL	For evaluation of UPC2762TB-A	108.00
UPC2763TB-EVAL	For evaluation of UPC2763TB-A	108.00
UPC2771TB-EVAL	For evaluation of UPC2771TB-A	108.00
UPC2776TB-EVAL	For evaluation of UPC2776TB-A	108.00
UPC3215TB-EVAL	For evaluation of UPC3215TB-A	108.00
UPC3223TB-EVAL	For evaluation of UPC3223TB-A	108.00
UPC3224TB-EVAL	For evaluation of UPC3224TB-A	108.00
UPC3232TB-EVAL-A	For evaluation of UPC3232TB-A	108.00
UPC8181TB-EVAL	For evaluation of UPC8181TB-A	108.00
UPC8182TB-EVAL	For evaluation of UPC8182TB-A	108.00

NEW FROM SUPPLIER

SiGe Low Noise Amplifier

UPC8211TK-EV04	For evaluation of UPC8211TK-A, optimized at 400MHz	108.00
UPC8211TK-EV09	For evaluation of UPC8211TK-A, optimized at 900MHz	108.00
UPC8211TK-EV15	For evaluation of UPC8211TK-A, optimized at 1.5GHz	108.00
UPC8211TK-EV24	For evaluation of UPC8211TK-A, optimized at 2.4GHz	108.00
UPC8215TU-EV1575	For evaluation of UPC8215TU-A, optimized at 1.5GHz	108.00
UPC8230TU-EVAL-A	For evaluation of UPC8230TU-A	108.00
UPC8231TK-EVAL-A	For evaluation of UPC8231TK-A	108.00
UPC8232T5N-EVAL-A	For evaluation of UPC8232T5N-A	108.00

Frequency Downconverters

MOUSER STOCK NO.	Description	Price Each
UPC2756TB-EVAL	For evaluation of UPC2756TB-A	108.00
UPC2757TB-EVAL	For evaluation of UPC2757TB-A	108.00
UPC2758TB-EVAL	For evaluation of UPC2758TB-A	108.00
UPC2798GR-EVAL	For evaluation of UPC2798GR-A	108.00
UPC3220GR-APBD	For evaluation of UPC3220GR-A	108.00
UPC8112TB-EVAL	For evaluation of UPC8112TB-A	108.00

Frequency Upconverters

UPC8106TB-EV09	For evaluation of UPC8106TB-A, optimized for 900MHz	108.00
UPC8106TB-EV19	For evaluation of UPC8106TB-A, optimized for 1.9GHz	108.00
UPC8106TB-EV24	For evaluation of UPC8106TB-A, optimized for 2.4GHz	108.00
UPC8163TB-EV09	For evaluation of UPC8163TB-A, optimized for 900MHz	108.00
UPC8163TB-EV19	For evaluation of UPC8163TB-A, optimized for 1.9GHz	108.00
UPC8187TB-EV08	For evaluation of UPC8187TB-A, optimized for 800MHz	108.00
UPC8187TB-EV19	For evaluation of UPC8187TB-A, optimized for 1.9GHz	108.00
UPC8187TB-EV24	For evaluation of UPC8187TB-A, optimized for 2.4GHz	108.00

Prescalers

MOUSER STOCK NO.	Description	Price Each
UPB1508GV-EVAL	For evaluation of UPB1508GV-A	108.00
UPB1509GV-EVAL	For evaluation of UPB1509GV-A	108.00
UPB1510GV-EVAL	For evaluation of UPB1510GV-A	108.00

AGC Amplifiers

MOUSER STOCK NO.	Description	Price Each
UPC3217GV-EVAL	For evaluation of UPC3217GV-A	108.00
UPC3218GV-EVAL	For evaluation of UPC3218GV-A	108.00
UPC3219GV-EVAL	For evaluation of UPC3219GV-A	108.00
UPC3221GV-EVAL	For evaluation of UPC3221GV-A	108.00
UPC8204TK-EV19	For evaluation of UPC8204TK-A, optimized at 1.9GHz	108.00
UPC8204TK-EV24	For evaluation of UPC8204TK-A, optimized at 2.4GHz	108.00

Driver Amplifiers

UPD5702TU-EV09	For evaluation of UPD5702TU-A, optimized at 900MHz	120.00
UPD5702TU-EV24	For evaluation of UPD5702TU-A, optimized at 2.4GHz	120.00

SPDT Dual Control Switches

MOUSER STOCK NO.	Description	Price Each
UPG2009TB-EVAL	For evaluation of UPG2009TB-A	108.00
UPG2155TB-EVAL	For evaluation of UPG2155TB-A	109.00
UPG2030TK-EVAL	For evaluation of UPG2030TK-A	108.00
UPG2179TB-EVAL	For evaluation of UPG2179TB-A	108.00

SPDT Single Control Switches

MOUSER STOCK NO.	Description	Price Each
UPG2010TB-EVAL	For evaluation of UPG2010TB-A	108.00
UPG2012TB-EVAL	For evaluation of UPG2012TB-A	109.00
UPD5713TK-EVAL	For evaluation of UPD5713TK-A	108.00
UPD5713TK-EVNC-A	For evaluation of UPD5713TK-A	109.00
UPG2012TK-EVAL	For evaluation of UPG2012TK-A	109.00
UPG2015TB-EVAL	For evaluation of UPG2015TB-A	109.00

Multi-Throw Switch

UPG2031TQ-EVAL	For evaluation of UPG2031TQ-A	108.00

Dualband DPDT Switch

MOUSER STOCK NO.	Description	Price Each
UPG2035T5F-EVAL	For evaluation of UPG2035T5F-A	120.00

NEW FROM SUPPLIER

Broadband Switches

UPG2157T5F-EVAL-A	For evaluation of UPG2157T5F-A	108.00
UPG2163T5N-EVAL	For evaluation of UPG2163T5NF-A	109.00

Power Amplifier for UHF to S-Band

UPG2118K-EV09	For evaluation of UPG2118K-A, optimized at 900MHz	135.00

GaAs Power Amplifier

MOUSER STOCK NO.	Description	Price Each
UPG2301TQ-EVPW24	For evaluation of UPG2301TQ-A, optimized at 2.4GHz	135.00

NEW FROM SUPPLIER

ZigBee Range Extenders

UPG2250T5N-EVAL-A	For evaluation of UPG2250T5N-A	109.00
UPG2301TQ-ZBT-EV-A	For evaluation of UPG2301TQ-A	109.00
UPG2314T5N-ZBT-EV-A	For evaluation of UPG2314T5N-A	109.00

FAIRCHILD Operational Amplifiers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

STANDARD OP AMPS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Amps	Supply Voltage (VCC)+/-V	Input Offset Volt. Max Mv	Input Offset Curr. Max nA	Input Bias Curr. Max nA	Supply Current Typ. mA	Volt. Gain Typical V/mV	Output Volt. Swing Typical (VOL) mV	Output Volt. Swing Typical (VOH) mV	Slew Rate V/us	Price Each 1	Price Each 25	Price Each 100	Price Each 250
512-KA1458	KA1458	DIP-8	2	18	10	300	700	2.3	200	-	14000	0.5	.43	.38	.31	.23
◆512-KA1458DTF	KA1458DTF	SOIC-8	2	18	10	300	700	2.3	200	-	14000	0.5	.38	.34	.28	.20
512-KA258	KA258	DIP-8	2	16/32	5	30	150	0.5	100	5	28000	-	.46	.40	.33	.24
512-KA301A	KA301A	DIP-8	1	18	7.5	50	250	2.0	160	-	14000	10	.48	.42	.35	.25
512-KA324A	KA324A	DIP-14	4	16/32	7	50	250	0.7	100	5	28000	-	.44	.39	.32	.23
512-KA334	KA334	DIP-8	2	40	60	250	2500	7.5	-	-	23000	1	.62	.55	.45	.33
512-KA3403	KA3403	DIP-14	4	18/36	10	50	200	2.3	200	-	13500	0.4	.62	.54	.45	.33
◆512-KA3403DTF	KA3403DTF	SOP-14	4	18/36	10	50	200	2.3	200	-	13500	0.4	.52	.46	.38	.27
512-KA358A	KA358A	DIP-8	2	16/32	3	30	100	0.8	100	5	28000	-	.41	.36	.30	.21
512-KA358STU	KA358STU	SIP-9	2	16/32	7	50	250	0.8	100	5	28000	-	.46	.40	.33	.24
512-KA4558	KA4558	DIP-8	2	22	6	200	500	3.5	200	-	14000	1.2	.38	.34	.28	.20
◆512-KA4558DTF	KA4558DTF	SOIC-8	2	22	6	200	500	3.5	200	-	14000	1.2	.36	.32	.26	.19
512-KA4558STU	KA4558STU	SIP-9	2	22	6	200	500	3.5	200	-	14000	1.2	.43	.38	.31	.23
◆512-KA741DTF	KA741DTF	SOIC-8	1	18	6	200	500	1.5	200	-	-	0.5	.38	.34	.28	.20
512-KA741I	KA741I	DIP-8	1	18	6	200	500	1.5	200	-	-	0.5	.38	.34	.28	.20
512-KF347	KF347	DIP-14	4	18	10	0.1	0.2	7.2	100	-	-	13	1.06	.92	.77	.55
512-KF351	KF351	DIP-8	1	18	10	0.1	0.2	2.3	100	-	-	13	.46	.40	.33	.24
512-KF353	KF353	DIP-8	2	18	10	0.1	0.2	3.6	100	-	-	13	.48	.42	.35	.25
◆512-L272D2	L272D2	SOP-16	2	40	60	250	2500	7.5	-	-	23000	1	.72	.60	.53	.50
512-L272M	L272M	DIP-8	2	40	60	250	2500	7.5	-	-	23000	1	.65	.54	.48	.45
◆512-LF347M	LF347M	SOP-14	4	18	10	0.1	0.2	7.2	100	-	-	13	.56	.47	.41	.39
512-LF347N	LF347N	DIP-14	4	18	10	0.1	0.2	7.2	100	-	-	13	.54	.45	.38	.28
◆512-LF351MX	LF351MX	SOIC-8	1	18	10	0.1	0.2	2.3	100	-	-	13	.32	.27	.24	.23
512-LF351N	LF351N	DIP-8	1	18	10	0.1	0.2	2.3	100	-	-	13	.32	.27	.24	.19
◆512-LF353MX	LF353MX	SOIC-8	2	18	10	0.1	0.2	3.6	100	-	-	13	.37	.31	.27	.26
512-LF353N	LF353N	DIP-8	2	18	10	0.1	0.2	3.6	100	-	-	13	.36	.30	.26	.23
◆512-LM1458CMX	LM1458CMX	SOIC-8	2	18	10	300	700	2.3	200	-	14000	0.5	.29	.24	.21	.20
512-LM1458CN	LM1458CN	DIP-8	2	18	10	300	700	2.3	200	-	14000	0.5	.32	.27	.24	.23
◆512-LM1458MX	LM1458MX	SOIC-8	2	18	6	200	500	2.3	200	-	14000	0.5	.29	.24	.21	.20
512-LM1458N	LM1458N	DIP-8	2	18	6	200	500	2.3	200	-	14000	0.5	.32	.27	.24	.23
◆512-LM258AMX	LM258AMX	SOP-8	2	16/32	5	30	150	0.5	100	5	28000	-	.28	.23	.20	.19
◆512-LM2902MX	LM2902MX	SOP-14	4	13/26	7	50	250	0.7	100	5	24000	-	.34	.29	.25	.24
512-LM2902N	LM2902N	DIP-14	4	13/26	7	50	250	0.7	100	5	24000	-	.35	.29	.26	.20
512-LM2904N	LM2904N	DIP-8	2	13/26	7	50	250	0.5	100	5	24000	-	.28	.23	.20	.19
512-LM324AN	LM324AN	DIP-14	4	16/32	3	30	100	0.7	100	5	28000	-	.35	.29	.26	.19
◆512-LM324MX	LM324MX	SOP-14	4	16/32	7	50	250	0.7	100	5	28000	-	.31	.26	.22	.21
512-LM324N	LM324N	DIP-14	4	16/32	7	50	250	0.7	100	5	28000	-	.32	.27	.24	.19
◆512-LM358AMX	LM358AMX	SOIC-8	2	16/32	3	30	100	0.5	100	5	28000	-	.27	.23	.20	.19
512-LM358AN	LM358AN	DIP-8	2	16/32	3	30	100	0.5	100	5	28000	-	.28	.23	.20	.19
◆512-LM358MX	LM358MX	SOIC-8	2	16/32	7	50	250	0.5	100	5	28000	-	.23	.20	.17	.16
512-LM358N	LM358N	DIP-8	2	16/32	7	50	250	0.5	100	5	28000	-	.24	.20	.17	.16
512-MC3403P	MC3403P	DIP-14	4	18/36	10	50	200	2.3	200	-	13500	0.4	.55	.47	.39	.33
◆512-MC4558CDX	MC4558CDX	SOIC-8	2	22	6	200	500	3.5	200	-	14000	1.2	.29	.25	.21	.18
512-MC4558CP	MC4558CP	DIP-8	2	22	6	200	500	3.5	200	-	14000	1.2	.34	.29	.24	.17

HIGH PERFORMANCE OPERATIONAL AMPLIFIERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Amps Per Pack	Power Down	Rail to Rail Input or Output	Typical Unity Gain Bandwidth MHz	Typical Supply Curr. per Amp (mA)	Typical Output Current +/- mA	Supply Voltage Max V	CMIR Max V	Output Swing V	Input Voltage Noise nV/rtHz	Typical Offset Voltage mV	Typical Input Bias Curr. uA	Slew Rate V/us	Price Each 1	Price Each 25	Price Each 100	Price Each 250
◆512-KM4200IC8TR3	KM4200IC8TR3	SOIC-8	2	No	Output	260	4.2	85	5.5	3.8	4.95	16	1.4	3	145	2.18	1.82	1.30	1.04
◆512-KM4270IC8TR3	KM4270IC8TR3	SOIC-8	2	No	Both	4.3	0.16	30	5.5	5.25	4.96	22	1.5	0.09	9	1.43	1.19	.85	.68
◆512-LMV321AP5X	LMV321AP5X	SC70-5	1	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.40	.33	.29	.28
◆512-LMV321AS5X	LMV321AS5X	SOT-23	1	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.40	.33	.29	.28
◆512-LMV358AM8X	LMV358AM8X	SOIC-8	2	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.47	.39	.34	.33
◆512-LMV358AMU8X	LMV358AMU8X	SOP-8	2	No	Output	1.4	0.1	35	5.5	3.8	4.98	33	1	0	15	.47	.39	.34	.33

MICROCHIP Amplifier ICs

MICROCHIP

Products may be RoHS compliant.
Check mouser.com for RoHS status.

MICROCHIP OPERATIONAL AMPLIFIERS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-MCP601IP	MCP601-I/P	PDIP-8	Single 2.7V Op Amp, I temp	.62	.48	.38
579-MCP601-I/SN	MCP601-I/SN	SOIC-8	Single 2.7V Op Amp, I temp	.62	.48	.38
579-MCP602IP	MCP602-I/P	PDIP-8	Dual 2.7V Op Amp, I temp	.82	.63	.49
579-MCP602ISN	MCP602-I/SN	SOIC-8	Dual 2.7V Op Amp, I temp	.82	.63	.49
579-MCP604IP	MCP604-I/P	PDIP-14	Quad 2.7V Op Amp, I temp	1.51	1.17	.91
579-MCP604-I/SL	MCP604-I/SL	SOIC-14	Quad 2.7V Op Amp, I temp	1.51	1.17	.91
579-MCP606-I/P	MCP606-I/P	PDIP-8	Single 25 uA, 2.5V Op Amp, I temp	.96	.74	.57
579-MCP606-I/SN	MCP606-I/SN	SOIC-8	Single 25 uA, 2.5V Op Amp, I temp	.96	.74	.57
579-MCP607-I/P	MCP607-I/P	PDIP-8	Dual 25 uA, 2.5V Op Amp, I temp	1.27	.98	.76
579-MCP607-I/SN	MCP607-I/SN	SOIC-8	Dual 25 uA, 2.5V Op Amp, I temp	1.27	.98	.76
579-MCP609-I/P	MCP609-I/P	PDIP-14	Quad 25 uA, 2.5V Op Amp, I temp	1.90	1.46	1.14
579-MCP609-I/SL	MCP609-I/SL	SOIC-14	Quad 25 uA, 2.5V Op Amp, I temp	1.90	1.46	1.14
579-MCP6001T-E/OT	MCP6001T-E/OT	SOT-23-5	Single 1.8V, 1MHz OP, E temp	.41	.31	.25
579-MCP6002-E/P	MCP6002-E/P	PDIP-8	Dual 1.8V, 1MHz OP, E temp	.53	.41	.32
579-MCP6002-E/SN	MCP6002-E/SN	SOIC-8	Dual 1.8V, 1MHz OP, E temp	.53	.41	.32
579-MCP6004-E/P	MCP6004-E/P	PDIP-14	Quad 1.8V, 1MHz OP, E temp	.70	.54	.42
579-MCP6004-E/SL	MCP6004-E/SL	SOIC-14	Quad 1.8V, 1MHz OP, E temp	.70	.54	.42
579-MCP6021-E/P	MCP6021-E/P	PDIP-8	Single 2.3V 10 MHz OP, E temp	1.46	1.13	.87
579-MCP6021-E/SN	MCP6021-E/SN	SOIC-8	Single 2.3V 10 MHz OP, E temp	1.46	1.13	.87
579-MCP6022-E/P	MCP6022-E/P	PDIP-8	Dual 2.3V 10 MHz OP, E temp	1.90	1.46	1.14
579-MCP6022-E/SN	MCP6022-E/SN	SOIC-8	Dual 2.3V 10 MHz OP, E temp	1.90	1.46	1.14
579-MCP6024-E/P	MCP6024-E/P	PDIP-14	Quad 2.3V 10 MHz OP, E temp	2.76	2.13	1.65
579-MCP6024-E/SL	MCP6024-E/SL	SOIC-14	Quad 2.3V 10 MHz OP, E temp	2.76	2.13	1.65
579-MCP6031-E/SN	MCP6031-E/SN	SOIC-8	Single 1.8V 14kHz Op Amp, E temp	1.00	.80	.56
579-MCP6032-E/SN	MCP6032-E/SN	SOIC-8	Dual 1.8V 14kHz Op Amp, E temp	1.33	1.06	.75
579-MCP6034-E/SL	MCP6034-E/SL	SOIC-14	Quad 1.8V 14kHz Op Amp, E temp	2.38	1.90	1.33
579-MCP6231-E/P	MCP6231-E/P	PDIP-8	Single 1.8V, 200 kHz OP, E Temp	.43	.33	.25
579-MCP6231-E/SN	MCP6231-E/SN	SOIC-8	Single 1.8V, 200 kHz OP, E Temp	.41	.31	.25
579-MCP6232-E/P	MCP6232-E/P	PDIP-8	Dual 1.8V, 200 kHz OP, E temp	.50	.39	.31
579-MCP6232-E/SN	MCP6232-E/SN	SOIC-8	Dual 1.8V, 200 kHz OP, E temp	.50	.39	.31
579-MCP6234-E/P	MCP6234-E/P	PDIP-14	Quad 1.8V, 200 kHz OP, E temp	.82	.63	.48
579-MCP6234-E/SL	MCP6234-E/SL	SOIC-14	Quad 1.8V, 200 kHz OP, E temp	.82	.63	.48
579-MCP6241-E/P	MCP6241-E/P	PDIP-8	Single 1.8V, 650 kHz OP, E Temp	.43	.33	.25
579-MCP6241-E/SN	MCP6241-E/SN	SOIC-8	Single 1.8V, 650 kHz OP, E Temp	.41	.31	.25
579-MCP6041-I/P	MCP6041-I/P	PDIP-8	Single 1.6V 10 kHz OP, I temp	.79	.61	.47
579-MCP6041T-I/OT	MCP6041T-I/OT	SOT-23-5	Single 1.6V 10 kHz OP, I temp	.72	.56	.44
579-MCP6242-E/P	MCP6242-E/P	PDIP-8	Dual 1.8V, 650 kHz OP, E temp	.50	.39	.31
579-MCP6242-E/SN	MCP6242-E/SN	SOIC-8	Dual 1.8V, 650 kHz OP, E temp	.50	.39	.31
579-MCP6042-I/P	MCP6042-I/P	PDIP-8	Dual 1.6V 10 kHz OP, I temp	1.06	.81	.63
579-MCP6244-E/P	MCP6244-E/P	PDIP-14	Quad 1.8V, 650 kHz OP, E temp	.82	.63	.48
579-MCP6244-E/SL	MCP6244-E/SL	SOIC-14	Quad 1.8V, 650 kHz OP, E temp	.82	.63	.48
579-MCP6042-I/SN	MCP6042-I/SN	SOIC-8	Dual 1.6V 10 kHz OP, I temp	1.06	.81	.63
579-MCP6044-I/P	MCP6044-I/P	PDIP-14	Quad 1.6V 10 kHz OP, I temp	1.85	1.42	1.10
579-MCP6044-I/SL	MCP6044-I/SL	SOIC-14	Quad 1.6V 10 kHz OP, I temp	1.85	1.42	1.10
579-MCP6271-E/P	MCP6271-E/P	PDIP-8	Single 2 MHz OP, E temp	.70	.54	.42
579-MCP6271-E/SN	MCP6271-E/SN	SOIC-8	Single 2 MHz OP, E temp	.70	.54	.42
579-MCP6272-E/P	MCP6272-E/P	PDIP-8	Dual 2 MHz OP, E temp	.94	.72	.56
579-MCP6272-E/SN	MCP6272-E/SN	SOIC-8	Dual 2 MHz OP, E temp	.94	.72	.56
579-MCP6274-E/P	MCP6274-E/P	PDIP-14	Quad 2 MHz OP, E temp	1.70	1.31	1.02
579-MCP6274-E/SL	MCP6274-E/SL	SOIC-14	Quad 2 MHz OP, E temp	1.70	1.31	1.02
579-MCP6281-E/P	MCP6281-E/P	PDIP-8	Single 5 MHz OP, E temp	.84	.65	.50
579-MCP6281-E/SN	MCP6281-E/SN	SOIC-8	Single 5 MHz OP, E temp	.84	.65	.50
579-MCP6282-E/P	MCP6282-E/P	PDIP-8	Dual 5 MHz OP, E temp	1.13	.87	.67
579-MCP6282-E/SN	MCP6282-E/SN	SOIC-8	Dual 5 MHz OP, E temp	1.13	.87	.67
579-MCP6284-E/P	MCP6284-E/P	PDIP-14	Quad 5 MHz OP, E temp	1.94	1.50	1.17
579-MCP6284-E/SL	MCP6284-E/SL	SOIC-14	Quad 5 MHz OP, E temp	1.94	1.50	1.17
579-MCP6291-E/P	MCP6291-E/P	PDIP-8	Single 10 MHz OP, E temp	.91	.70	.55
579-MCP6291-E/SN	MCP6291-E/SN	SOIC-8	Single 10 MHz OP, E temp	.91	.70	.55
579-MCP6292-E/P	MCP6292-E/P	PDIP-8	Dual 10 MHz OP, E temp	1.22	.94	.74
579-MCP6292-E/SN	MCP6292-E/SN	SOIC-8	Dual 10 MHz OP, E temp	1.22	.94	.74
579-MCP6294-E/P	MCP6294-E/P	PDIP-14	Quad 10 MHz OP, E temp	2.16	1.67	1.29
579-MCP6294-E/SL	MCP6294-E/SL	SOIC-14	Quad 10 MHz OP, E temp	2.16	1.67	1.29

MICROCHIP COMPARATORS

For quantities 500 and up, call for quote.

579-MCP6541-E/P	MCP6541-E/P	PDIP-8	Single 1.6V Push/Pull Comparator, E temp	.65	.50	.38
579-MCP6541T-E/OT	MCP6541T-E/OT	SOT-23-5	Single 1.6V Push/Pull Comparator, E temp	.50	.39	.31
579-MCP6542-E/P	MCP6542-E/P	PDIP-8	Dual 1.6V Push/Pull Comparator, E temp	.84	.65	.50
579-MCP6542-E/SN	MCP6542-E/SN	SOIC-8	Dual 1.6V Push/Pull Comparator, E temp	.84	.65	.50
579-MCP6544-E/P	MCP6544-E/P	PDIP-14	Quad 1.6V Push/Pull Comparator, E temp	1.68	1.30	1.01
579-MCP6544-E/SL	MCP6544-E/SL	SOIC-14	Quad 1.6V Push/Pull Comparator, E temp	1.68	1.30	1.01
579-MCP6546-E/P	MCP6546-E/P	PDIP-8	Single 1.6V Open Drain Comparator, E temp	.65	.50	.38
579-MCP6546-E/SN	MCP6546-E/SN	SOIC-8	Single 1.6V Open Drain Comparator, E temp	.65	.50	.38
579-MCP6547-E/P	MCP6547-E/P	PDIP-8	Dual 1.6V Open Drain Comparator, E temp	.84	.65	.50
579-MCP6547-E/SN	MCP6547-E/SN	SOIC-8	Dual 1.6V Open Drain Comparator, E temp	.84	.65	.50
579-MCP6549-E/P	MCP6549-E/P	PDIP-14	Quad 1.6V Open Drain Comparator, E temp	1.68	1.30	1.01
579-MCP6549-E/SL	MCP6549-E/SL	SOIC-14	Quad 1.6V Open Drain Comparator, E temp	1.68	1.30	1.01

MICROCHIP PROGRAMMABLE GAIN AMPLIFIERS

For quantities 500 and up, call for quote.

579-MCP6S21-I/P	MCP6S21-I/P	PDIP-8	1-Chan. 12 MHz SPI PGA	1.60	1.28	.89
579-MCP6S21-I/SN	MCP6S21-I/SN	SOIC-8	1-Chan. 12 MHz SPI PGA	1.50	1.20	.84
579-MCP6S22-I/P	MCP6S22-I/P	PDIP-8	2-Chan. 12 MHz SPI PGA	1.88	1.50	1.05
579-MCP6S22-I/SN	MCP6S22-I/SN	SOIC-8	2-Chan. 12 MHz SPI PGA	1.73	1.38	.96
579-MCP6S28-I/P	MCP6S28-I/P	PDIP-16	8-Chan. 12 MHz SPI PGA	3.33	2.66	1.85
579-MCP6S28-I/SL	MCP6S28-I/SL	SOIC-16	8-Chan. 12 MHz SPI PGA	3.05	2.44	1.69
579-MCP6S92-E/P	MCP6S92-E/P	PDIP-8	2-Chan. 10 MHz SPI PGA	1.48	1.18	.82
579-MCP6S92-E/SN	MCP6S92-E/SN	SOIC-8	2-Chan. 10 MHz SPI PGA	1.38	1.10	.76
579-MCP6G01-E/SN	MCP6G01-E/SN	SOIC-8	Single 1.8V, 1 MHz Gain Block, E temp	.60	.46	.36
579-MCP6G01T-E/OT	MCP6G01T-E/OT	SOT-23-5	Single 1.8V, 1 MHz Gain Block, E temp	.60	.46	.34
579-MCP6G02-E/SN	MCP6G02-E/SN	SOIC-8	Dual 1.8V, 1 MHz Gain Block, E temp	.79	.61	.46
579-MCP6G04-E/SL	MCP6G04-E/SL	SOIC-14	Quad 1.8V, 1 MHz Gain Block, E temp	1.27	.96	.74

NJR Op Amps

Products may be RoHS compliant.
Check mouser.com for RoHS status.

NJR OP AMPS

◆ **Surface Mount Device**

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	NJR Part No.	Package	Description	ft/GBW (MHz)	SlewRate (V/µs)	Price Each		
						1	25	100
◆ 513-NJU#7006F-TE1	NJU7006F-TE1	MTP-5	Super Low Op Crnt and Low Offset V Tiny Single CMOS	0.095	0.04	1.27	1.20	1.12
513-NJU#7002M	NJU7002M	DMP-8	Low Voltage CMOS	0.1	0.05	.69	.65	.60
513-NJU#7004D	NJU7004D	DIP-14	Low Voltage CMOS	0.1	0.05	1.37	1.29	1.21
513-NJU#7004M	NJU7004M	DMP-14	Low Voltage CMOS	0.1	0.05	1.31	1.24	1.17
513-NJU#7031D	NJU7031D	DIP-8	Low Voltage CMOS	0.1	0.05	.63	.57	.50
513-NJU#7054D	NJU7054D	DIP-14	Low Input Offset Voltage CMOS	0.1	0.05	1.04	.97	.91
513-NJU#7054M	NJU7054M	DMP-14	Low Input Offset Voltage CMOS	0.1	0.05	.99	.94	.88
513-NJU#7001D	NJU7001D	DIP-8	Low Voltage CMOS	0.1-1.5	0.05-3.5	.54	.50	.47
513-NJU#7001M	NJU7001M	DMP-8	Low Voltage CMOS	0.1-1.5	0.05-3.5	.56	.50	.44
◆ 513-NJU7007F2-TE1	NJU7007F2-TE1	SC-88A	Low Power and Low Offset V Super Small-Sized Single CMOS	0.2	0.1	.49	.46	.42
513-NJU#7014D	NJU7014D	DIP-8	Low Power Dual CMOS Dual	0.2	0.1	.80	.75	.70
513-NJU#7014M	NJU7014M	DMP-8	Low Power Dual CMOS Dual	0.2	0.1	.80	.75	.70
◆ 513-NJU7091AF	NJU7091AF	MTP-5	Low Power and Low Offset Voltage Tiny CMOS Single	0.2	0.1	.43	.38	.34
513-NJU#7094D	NJU7094D	DIP-8	Low Power and Low Offset Voltage CMOS Dual	0.2	0.1	1.77	1.67	1.58
513-NJU#7094M	NJU7094M	DMP-8	Low Power and Low Offset Voltage CMOS Dual	0.2	0.1	1.77	1.67	1.58
513-NJU7021M	NJU7021M	DMP-8	Low Voltage CMOS	0.4	0.4	.42	.39	.36
513-NJU#7022D	NJU7022D	DIP-8	Low Voltage CMOS	0.4	0.4	.68	.63	.59
513-NJU#7022M	NJU7022M	DMP-8	Low Voltage CMOS	0.4	0.4	.68	.63	.59
513-NJU#7024D	NJU7024D	DIP-14	Low Voltage CMOS	0.4	0.4	1.46	1.39	1.31
513-NJU#7024M	NJU7024M	DMP-14	Low Voltage CMOS	0.4	0.4	1.73	1.62	1.50
513-NJU#7051M	NJU7051M	DMP-8	Low Input Offset Voltage CMOS	0.4	0.4	1.03	.94	.85
513-NJU#7062D	NJU7062D	DIP-8	Low Input Offset Voltage CMOS	0.4	0.4	.68	.64	.60
513-NJU#7062M	NJU7062M	DMP-8	Low Input Offset Voltage CMOS	0.4	0.4	.75	.68	.61
513-NJM#2902M	NJM2902M	DMP-14	Quad Single-Supply	0.5	0.5	.67	.62	.58
513-NJM#2902N	NJM2902N	DIP-14	Quad Single-Supply	0.5	0.5	.67	.62	.58
513-NJM#OP-07D	NJMOP-07D	DIP-8	Ultra-Low Offset Voltage, Low Drift	0.5-8	0.17-3	.77	.71	.66
513-NJM#OP-07M	NJMOP-07M	DMP-8	Ultra-Low Offset Voltage, Low Drift	0.5-8	0.17-3	.74	.69	.64
513-NJM#2904D	NJM2904D	DIP-8	Single-Supply Dual	0.6	0.5	.33	.29	.26
513-NJM#2904M	NJM2904M	DMP-8	Single-Supply Dual	0.6	0.5	.32	.29	.27
513-NJM#2123D	NJM2123D	DIP-16	Dual with Analog Switch	0.6-10	0.5-3	1.19	1.06	1.00
◆ 513-NJU#7011F-TE1	NJU7011F-TE1	MTP-5	Low Power Tiny Single CMOS Single	1	1	.57	.52	.48
513-NJU#7015D	NJU7015D	DIP-8	Low Power Dual CMOS Dual	1	1	.80	.75	.70
513-NJU#7015M	NJU7015M	DMP-8	Low Power Dual CMOS Dual	1	1	.80	.75	.70
513-NJU#7016D	NJU7016D	DIP-8	Low Voltage CMOS	1	1	.81	.76	.70
◆ 513-NJU7016F-TE1	NJU7016F-TE1	MTP-5	Low Voltage CMOS	1	1	.38	.34	.30
513-NJU#7016M	NJU7016M	DMP-8	Low Voltage CMOS	1	1	.81	.76	.70
513-NJU7092AF	NJU7092AF	MTP-5	Low Power and Low Offset Voltage Tiny CMOS Single	1	1	.24	.23	.21
513-NJU#7095D	NJU7095D	DIP-8	Low Power and Low Offset Voltage CMOS Dual	1	1	1.77	1.67	1.58
513-NJU#7095M	NJU7095M	DMP-8	Low Power and Low Offset Voltage CMOS Dual	1	1	1.77	1.67	1.58
513-NJU#7061D	NJU7061D	DIP-8	Low Input Offset Voltage CMOS	1	1.1	.77	.71	.66
513-NJU#7061M	NJU7061M	DMP-8	Low Input Offset Voltage CMOS	1	1.1	.69	.65	.60
513-NJU#7072D	NJU7072D	DIP-8	Low Input Offset Voltage CMOS	1	1.1	1.14	1.07	1.00
513-NJU#7072M	NJU7072M	DMP-8	Low Input Offset Voltage CMOS	1	1.1	1.14	1.07	1.00
513-NJU#7074M	NJU7074M	DMP-14	Low Input Offset Voltage CMOS	1	1.1	1.77	1.67	1.58
◆ 513-NJU7008F2-TE1	NJU7008F2-TE1	SC-88A	Low Offset Voltage Super Small-Sized Single CMOS	1	2.4	.52	.49	.46
513-NJU#7096D	NJU7096D	DIP-8	Low Power and Low Offset Voltage CMOS Dual	1	2.4	1.77	1.67	1.58
513-NJU#7096M	NJU7096M	DMP-8	Low Power and Low Offset Voltage CMOS Dual	1	2.4	1.77	1.67	1.58
513-NJM#064D	NJM064D	DIP-14	J-FET Input	1	3.5	.72	.67	.62
◆ 513-NJU#7093AF-TE1	NJU7093AF-TE1	MTP-5	Low Power and Low Offset Voltage Tiny CMOS Single	1	3.7	.49	.44	.39
◆ 513-NJM#2125F-TE1	NJM2125F-TE1	MTP-5	Single-Supply	1.2	1.2	.47	.42	.40
513-NJM#3403AD	NJM3403AD	DIP-14	Single-Supply Quad	1.2	1.2	.74	.66	.62
513-NJM#3403AM	NJM3403AM	DMP-14	Single-Supply Quad	1.2	1.2	.74	.66	.62
513-NJM#3404AD	NJM3404AD	DIP-8	Single-Supply Dual	1.2	1.2	.68	.61	.56
513-NJM#3404AM	NJM3404AM	DMP-8	Single-Supply Dual	1.2	1.2	.40	.32	.29
513-NJM#12902M	NJM12902M	DMP-14	Single-Supply Quad	1.5	0.7	.61	.54	.51
513-NJM#12904D	NJM12904D	DIP-8	Single-Supply Dual	1.5	0.7	.32	.28	.26
513-NJM#12904M	NJM12904M	DMP-8	Single-Supply Dual	1.5	0.7	.42	.39	.35
513-NJU#7032D	NJU7032D	DIP-8	Low Voltage CMOS	1.5	3.5	.69	.64	.59
513-NJU#7032M	NJU7032M	DMP-8	Low Voltage CMOS	1.5	3.5	.69	.64	.59
513-NJU#7034D	NJU7034D	DIP-14	Low Voltage CMOS	1.5	3.5	1.31	1.22	1.13
513-NJU#7034M	NJU7034M	DMP-14	Low Voltage CMOS	1.5	3.5	1.10	1.03	.96
513-NJM#2132D	NJM2132D	DIP-8	Single-Supply Low Power	1.8	2.1	.47	.44	.41
513-NJM#2132M	NJM2132M	DMP-8	Single-Supply Low Power	1.8	2.1	.63	.50	.42
513-NJM#5532D	NJM5532D	DIP-8	High Performance Low-Noise Dual	1-10	0.3-8	.69	.64	.59
513-NJM#5532M	NJM5532M	DMP-8	High Performance Low-Noise Dual	1-10	0.3-8	.66	.59	.54
513-NJM#13403M	NJM13403M	DMP-14	Single-Supply Quad	2	1.2	.74	.66	.62
513-NJM#13404D	NJM13404D	DIP-8	Single-Supply Dual	2	1.2	.52	.48	.45
513-NJM#13404M	NJM13404M	DMP-8	Single-Supply Dual	2	1.2	.52	.46	.43
513-NJM#13600D	NJM13600D	DIP-16	Dual Operational Transconductance	2	50	.63	.59	.55
513-NJM#13600M	NJM13600M	DMP-16	Dual Operational Transconductance	2	50	.63	.59	.55
513-NJM#13700BD	NJM13700D	DIP-16	Dual Operational Transconductance	2	50	.72	.66	.60
513-NJM#13700M	NJM13700M	DMP-16	Dual Operational Transconductance	2	50	.61	.57	.52
513-NJM#2119M	NJM2119M	DMP-8	Dual Single-Supply	2	50	.88	.78	.74
513-NJM#4556AD	NJM4556AD	DIP-8	Dual High Current	3	1	.47	.42	.37
513-NJM#4558D	NJM4558D	DIP-8	Dual	3	1	.33	.29	.26
513-NJM#4558M	NJM4558M	DMP-8	Dual	3	1	.33	.29	.26

NJR Op Amps, Comparators, and DC-DC Converters

JRC
NJR CORPORATION

RoHS Compliant **This page of product is compliant.**

NJR OP AMPS

◆ Surface Mount Device For quantities 500 and up, call for quote.

MOUSER STOCK NO.	NJR Part No.	Package	Description	ft/GBW (MHz)	SlewRate (V/µs)	Price Each		
						1	25	100
513-NJM#062D	NJM062D	DIP-8	Dual	1	3.5	.51	.47	.43
513-NJM#4558E	NJM4558E	EMP-8	Dual High Gain	3	1	.45	.41	.38
513-NJM#4558L	NJM4558L	SIP-8	Dual High Gain	3	1	.42	.39	.35
513-NJM#2120D	NJM2120D	DIP-8	Switching	3	2.2	.52	.48	.45
513-NJM#2120M	NJM2120M	DMP-8	Switching	3	2.2	.51	.46	.41
513-NJM#072BD	NJM072BD	DIP-8	Dual J-FET Input	3	13	.47	.42	.37
513-NJM#072D	NJM072D	DIP-8	Dual J-FET Input	3	13	.45	.41	.38
513-NJM#072M	NJM072M	DMP-8	Dual J-FET Input	3	13	.54	.50	.45
513-NJM#074D	NJM074D	DIP-14	Quad J-FET Input	3	13	.81	.74	.67
513-NJM#074M	NJM074M	DMP-14	Quad J-FET Input	3	13	.81	.74	.67
513-NJM#082D	NJM082D	DIP-8	Dual J-FET Input	3	13	.48	.44	.40
513-NJM#082M	NJM082M	DMP-8	Dual J-FET Input	3	13	.47	.42	.37
513-NJM#084D	NJM084D	DIP-14	Quad J-FET Input	3	13	.80	.74	.68
513-NJM#4741D	NJM4741D	DIP-14	General Purpose Quad	3.5	5	1.08	.98	.88
513-NJM#4741M	NJM4741M	DMP-14	General Purpose Quad	3.5	5	1.10	.98	.93
513-NJM#14558D	NJM14558D	DIP-8	Dual	5	2.5	.51	.47	.43
513-NJM#14558M	NJM14558M	DMP-8	Dual	5	2.5	.38	.34	.32
513-NJM#2100D	NJM2100D	DIP-8	Dual	5	2.5	.54	.44	.39
513-NJM#2082M	NJM2082M	DMP-8	Dual J-FET Input	5	20	.47	.42	.37
513-NJM#2059D	NJM2059D	DIP-14	Quad	6	2	.54	.50	.47
513-NJM#2059M	NJM2059M	DMP-14	Quad	6	2	.56	.50	.44
513-NJM#4559D	NJM4559D	DIP-8	Dual	6	2	.42	.39	.35
513-NJM#4559M	NJM4559M	DMP-8	Dual	6	2	.34	.30	.28
◆ 513-NJM#2143R-TE1	NJM2143R-TE1	VSP-8	Single-Supply Dual	8	0.5	.36	.32	.30
513-NJM#2060D	NJM2060D	DIP-14	Quad	10	4	.47	.44	.41
513-NJM#2060M	NJM2060M	DMP-14	Quad	10	4	.55	.46	.41
513-NJM#4560D	NJM4560D	DIP-8	Dual	10	4	.42	.39	.35
513-NJM#4560E	NJM4560E	EMP-8	Dual High Gain	10	4	.33	.29	.26
513-NJM#4560M	NJM4560M	DMP-8	Dual	10	4	.42	.39	.35
513-NJM#4562D	NJM4562D	DIP-8	Dual	10	4	.51	.47	.43
513-NJM#4565D	NJM4565D	DIP-8	Dual	10	4	.34	.31	.29
513-NJM#4565M	NJM4565M	DMP-8	Dual	10	4	.34	.31	.29
513-NJM#5534D	NJM5534D	DIP-8	High Performance Low-Noise Dual	10	13	.51	.46	.41
513-NJM#5534M	NJM5534M	DMP-8	High Performance Low-Noise Dual	10	13	.51	.46	.41
513-NJM#2122D	NJM2122D	DIP-8	Ultra Low-Noise Dual	12	2.4	.90	.84	.78
513-NJM#2122M	NJM2122M	DMP-8	Ultra Low-Noise Dual	12	2.4	.83	.78	.72
◆ 513-NJM#2140R-TE1	NJM2140R-TE1	VSP-8	Dual	12	4	.47	.42	.40
513-NJM#2121D	NJM2121D	DIP-8	High-Speed Dual with Switch	14	4	.41	.36	.34
513-NJM#4580D	NJM4580D	DIP-8	Dual	15	5	.34	.30	.28
513-NJM#4580E	NJM4580E	EMP-8	Dual	15	5	.45	.41	.38
513-NJM#318D	NJM318D	DIP-8	Precision High-Speed	15	75	.86	.78	.70
513-NJM#2068D	NJM2068D	DIP-8	Low-Noise Dual	27	6	.39	.36	.33
513-NJM#2068E	NJM2068E	EMP-8	Dual High Gain	27	6	.36	.33	.31
513-NJM#2068M	NJM2068M	DMP-8	Low-Noise Dual	27	6	.36	.33	.31
◆ 513-NJM#2716F-TE1	NJM2716F-TE1	MTP-5	Single-Supply Hi-Slew Rate Single	30	40	1.08	.98	.88
513-NJM#4250D	NJM4250D	DIP-8	µ-Power	96	Prog.	.36	.33	.31
513-NJM#1458D	NJM1458D	DIP-8	Dual	106	0.5	.60	.55	.50
513-NJM#741D	NJM741D	DIP-8	Single	110	0.5	.36	.33	.31
◆ 513-NJM#2710V-TE1	NJM2710V-TE1	SSOP-20	Ultra High-Speed Hex	180	320	1.87	1.74	1.62
513-NJM#2136M	NJM2136M	DMP-8	Ultra Wide Band, High Slew Rate Single	200	45	1.15	1.07	.99
513-NJM#2137M	NJM2137M	DMP-8	Ultra Wide Band, High Slew Rate Single	200	45	.97	.86	.81
513-NJM#2138M	NJM2138M	DMP-14	Ultra Wide Band, High Slew Rate Single	200	45	1.94	1.72	1.63

NJR COMPARATORS

◆ Surface Mount Device For quantities 500 and up, call for quote.

MOUSER STOCK NO.	NJR Part No.	Package	Description	Response Time	Voltage Gain (dB)	Price Each		
						1	25	100
◆ 513-NJM#2406F-TE1	NJM2406F-TE1	MTP-5	Single	1500	106	.32	.28	.26
513-NJM#12903D	NJM12903D	DIP-8	Single-Supply Dual	500	106	.33	.29	.26
513-NJM#2903D	NJM2903D	DIP-8	Single-Supply Dual	500	106	.33	.29	.26
513-NJM#2901N	NJM2901N	DIP-14	Single-Supply Quad	500	106	.42	.38	.34
◆ 513-NJM#2407R-TE1	NJM2407R-TE1	VSP-8	Single-Supply Dual	800	106	.36	.32	.30
513-NJM#2403D	NJM2403D	DIP-8	Single-Supply Dual	1500	106	.48	.42	.37
513-NJM#319D	NJM319D	DIP-14	Voltage	80	106	.81	.72	.68
513-NJM#319M	NJM319M	DMP-14	Voltage	80	106	.81	.72	.68

NJR DC-DC CONVERTERS AND DETECTORS

◆ Surface Mount Device For quantities 500 and up, call for quote.

MOUSER STOCK NO.	NJR Part No.	Package	Description	Voltage		Price Each		
				Min.	Max.	1	25	100
513-NJM#2360AM	NJM2360AM	DMP-8	Control IC	2.5	40	.84	.76	.68
513-NJM#2360D	NJM2360D	DIP-8	Control IC	2.5	40	.63	.59	.55
513-NJM#2384D	NJM2384D	DIP-14	Control IC with Current Sense Amplifier	3.6	32	1.60	1.42	1.34
513-NJM#2374AD	NJM2374AD	DIP-8	PWM Control DC/DC Converter IC	2.5	40	1.13	1.00	.95
513-NJM#2374AM	NJM2374AM	DMP-8	PWM Control DC/DC Converter IC	2.5	40	1.13	1.00	.95
◆ 513-NJU#7665AF-TE1	NJU7665AF-TE1	MTP-5	Small Package Voltage Inverter	1.5	5.5	.97	.90	.84
◆ 513-NJU#7665BF-TE1	NJU7665BF-TE1	MTP-5	Small Package Voltage Inverter	1.5	5.5	.97	.90	.84
◆ 513-NJU#7665CF-TE1	NJU7665CF-TE1	MTP-5	Small Package Voltage Inverter	1.5	5.5	.81	.75	.72
513-NJU#7660D	NJU7660D	DIP-8	Voltage Converter	4.5	20	.51	.46	.41
513-NJU#7662D	NJU7662D	DIP-8	Voltage Converter	4.5	20	1.13	1.05	.98
513-NJU#7662M	NJU7662M	DMP-8	Voltage Converter	4.5	20	1.13	1.05	.98
513-NJU7700F-TE1	NJU7700F-TE1	MTP-5 (SOT-23-5)	Voltage Detector	1.3	6	.25	.22	.20
◆ 513-NJU7701F-TE1	NJU7701F-TE1	MTP-5 (SOT-23-5)	Voltage Detector	1.3	6	.25	.22	.20
◆ 513-NJU#7670D	NJU7670D	DIP-14	Voltage Tripler	2.6	6	1.96	1.85	1.75
513-NJU#7670M	NJU7670M	DMP-14	Voltage Tripler	2.6	6	1.96	1.85	1.75

ON SEMICONDUCTOR Amplifiers

RoHS Compliant This page of product is compliant.

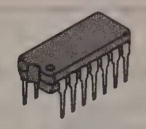
OPERATIONAL AMPLIFIERS

For quantities of 500 and up, call for quote.

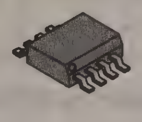
MOUSER STOCK NO.	ON Semiconductor Part No.	Package	GBW Typ. (MHz)	Ch.	SR Typ. (V/uS)	VIO Max (mV)	VCC Min (V)	VCC Max (V)	ID Typ. (mA)	IO Typ. (mA)	Price Each			
											1	25	100	250
General Purpose														
863-LM224NG	LM224NG	PDIP-14	1	4	0.6	5	3	32	1.4	40	.38	.30	.27	.23
863-LM258DG	LM258DG	SOIC-8	1	2	0.6	5	3	32	1.5	40	.38	.30	.27	.23
863-LM258NG	LM258NG	PDIP-8	1	2	0.6	5	3	32	1.5	40	.38	.30	.27	.23
863-LM2902DG	LM2902DG	SOIC-14	1	4	0.6	7	3	32	1.4	40	.35	.28	.25	.21
863-LM2902NG	LM2902NG	PDIP-14	1	4	0.6	7	3	32	1.4	40	.40	.32	.29	.24
863-LM2904ANG	LM2904ANG	PDIP-8	1	2	0.6	7	3	32	1.5	40	.73	.58	.52	.44
863-LM2904DG	LM2904DG	SOIC-8	1	2	0.6	7	3	32	1.5	40	.35	.28	.25	.21
863-LM2904NG	LM2904NG	PDIP-8	1	2	0.6	7	3	32	1.5	40	.40	.32	.29	.24
863-LM324ADG	LM324ADG	SOIC-14	1	4	0.6	3	3	32	1.4	40	.63	.50	.45	.38
863-LM324ANG	LM324ANG	PDIP-14	1	4	0.6	3	3	32	1.4	40	.58	.42	.34	.28
863-LM324DG	LM324DG	SOIC-14	1	4	0.6	7	3	32	1.4	40	.30	.24	.22	.18
863-LM324NG	LM324NG	PDIP-14	1	4	0.6	7	3	32	1.4	40	.33	.26	.23	.20
863-LM358DG	LM358DG	SOIC-8	1	2	0.6	7	3	32	1.5	40	.30	.24	.22	.18
863-LM358NG	LM358NG	PDIP-8	1	2	0.6	7	3	32	1.5	40	.33	.26	.23	.20
863-LM833NG	LM833NG	PDIP-8	15	2	7	5	+/- 5	+/- 18	4	29	.91	.73	.66	.55
863-MC33071ADG	MC33071ADG	SOIC-8	4.5	1	10	5	3	44	1.9	30	.80	.64	.58	.48
863-MC33072ADG	MC33072ADG	SOIC-8	4.5	2	10	3	3	44	3.8	30	.80	.64	.58	.48
863-MC33072APG	MC33072APG	PDIP-8	4.5	2	10	3	3	44	3.8	30	.80	.64	.58	.48
863-MC33072DG	MC33072DG	SOIC-8	4.5	2	10	5	3	44	3.8	30	.78	.62	.56	.47
863-MC33072PG	MC33072PG	PDIP-8	4.5	2	10	5	3	44	3.8	30	.78	.62	.56	.47
863-MC33074ADG	MC33074ADG	SOIC-14	4.5	4	10	3	3	44	7.6	30	1.13	.90	.81	.68
863-MC33074APG	MC33074APG	PDIP-14	4.5	4	10	3	3	44	7.6	30	1.13	.90	.81	.68
863-MC33074DG	MC33074DG	SOIC-14	4.5	4	10	5	3	44	7.6	30	1.10	.88	.79	.66
863-MC33074PG	MC33074PG	PDIP-14	4.5	4	10	5	3	44	7.6	30	1.10	.88	.79	.66
863-MC3403PG	MC3403PG	PDIP-14	1	4	0.6	10	3	36	2.8	20	.60	.48	.43	.36
863-MC34072ADG	MC34072ADG	SOIC-8	4.5	2	10	3	3	44	3.8	30	.78	.62	.56	.47
863-MC34072APG	MC34072APG	PDIP-8	4.5	2	10	5	3	44	3.8	30	.78	.62	.56	.47
863-MC34072DG	MC34072DG	SOIC-8	4.5	2	10	5	3	44	3.8	30	.75	.60	.54	.45
863-MC34072PG	MC34072PG	PDIP-8	4.5	2	10	5	3	44	3.8	30	.75	.60	.54	.45
863-MC34074ADG	MC34074ADG	SOIC-14	4.5	4	10	3	3	44	7.6	30	1.10	.88	.79	.66
863-MC34074APG	MC34074APG	PDIP-14	4.5	4	10	3	3	44	7.6	30	1.10	.88	.79	.66
863-MC34074DG	MC34074DG	SOIC-14	4.5	4	10	3	3	44	7.6	30	1.08	.86	.77	.65
863-MC34074PG	MC34074PG	PDIP-14	4.5	4	10	5	3	44	7.6	30	1.08	.86	.77	.65
863-MC34074VPG	MC34074VPG	PDIP-14	4.5	4	10	5	3	44	7.6	30	1.20	.96	.86	.72
Low Power														
863-MC33171DG	MC33171DG	SOIC-8	1.8	1	2.1	4.5	3	44	0.22	5	1.03	.82	.74	.62
863-MC33172DG	MC33172DG	SOIC-8	1.8	2	2.1	4500	3	44	440	5000	.98	.78	.70	.59
863-MC33172PG	MC33172PG	PDIP-8	1.8	2	2.1	4.5	3	44	0.44	5	.98	.78	.70	.59
863-MC33174DG	MC33174DG	SOIC-14	1.8	4	2.1	4.5	3	44	0.88	5	1.13	.90	.81	.68
863-MC33174PG	MC33174PG	PDIP-14	1.8	4	2.1	4.5	3	44	0.88	5	1.13	.90	.81	.68
863-MC33178DG	MC33178DG	SOIC-8	5	2	2	3	4	36	0.9	80	1.05	.84	.76	.63
863-MC33178PG	MC33178PG	PDIP-8	5	2	2	3	4	36	0.9	80	1.05	.84	.76	.63
863-MC33179DG	MC33179DG	SOIC-14	5	4	2	3	4	36	1.7	80	1.13	.90	.81	.68
863-MC33179PG	MC33179PG	PDIP-14	5	4	2	3	4	36	1.7	80	1.13	.90	.81	.68
Low Noise														
863-MC33078DG	MC33078DG	SOIC-8	16	2	7	2	+/- 5	+/- 18	4.1	29	.93	.74	.67	.56
863-MC33078PG	MC33078PG	PDIP-8	16	2	7	2	+/- 5	+/- 18	4.1	29	.93	.74	.67	.56
863-MC33079DG	MC33079DG	SOIC-14	16	4	7	2	+/- 5	+/- 18	8.4	29	1.03	.82	.74	.62
863-MC33079PG	MC33079PG	PDIP-14	16	4	7	2	+/- 5	+/- 18	8.4	29	1.03	.82	.74	.62
863-MC33178DG	MC33178DG	SOIC-8	5	2	2	3	4	36	0.9	80	1.05	.84	.76	.63
863-MC33178PG	MC33178PG	PDIP-8	5	2	2	3	4	36	0.9	80	1.05	.84	.76	.63
863-MC33274ADG	MC33274ADG	SOIC-14	24	4	10	1	3	36	8.6	37	1.55	1.24	1.12	.93
863-MC33274APG	MC33274APG	PDIP-14	24	4	10	1	3	36	8.6	37	1.55	1.24	1.12	.93
863-NE5532ANG	NE5532ANG	PDIP-8	10	2	9	4	+/- 3	+/- 20	8	38	1.00	.80	.70	.60
863-NE5532DG	NE5532DG	SOIC-16W	10	2	9	4	+/- 3	+/- 20	8	38	1.00	.80	.72	.60
863-NE5532NG	NE5532NG	PDIP-8	10	2	9	4	+/- 3	+/- 20	8	38	1.05	.84	.76	.63
863-NE5534ANG	NE5534ANG	PDIP-8	10	1	13	4	+/- 3	+/- 20	8	38	1.08	.90	.81	.68
863-SA5532NG	SA5532NG	PDIP-8	10	2	9	4	+/- 3	+/- 20	8	38	2.98	2.38	2.14	1.79
863-SA5534ADG	SA5534ADG	SOIC-8	10	1	13	4	+/- 3	+/- 20	8	38	4.20	3.36	3.02	2.52
863-SA5534ANG	SA5534ANG	PDIP-8	10	1	13	4	+/- 3	+/- 20	8	38	5.35	4.28	3.85	3.21
863-SA5534NG	SA5534NG	PDIP-8	10	1	13	4	+/- 3	+/- 20	8	38	3.75	3.00	2.70	2.25
863-SE5532NG	SE5532NG	PDIP-8	10	2	9	2	+/- 3	+/- 20	8	38	6.25	5.00	4.50	3.75
863-SE5534ANG	SE5534ANG	PDIP-8	10	1	13	2	+/- 3	+/- 20	6.5	38	5.63	4.50	4.05	3.38
863-SE5534NG	SE5534NG	PDIP-8	10	1	13	2	+/- 3	+/- 20	6.5	38	4.38	3.50	3.15	2.63
Low Voltage														
863-MC33201DG	MC33201DG	SOIC-8	2.2	1	1	6	1.8	12	0.9	80	1.00	.80	.72	.60
863-MC33202DG	MC33202DG	SOIC-8	2	2	1	8	1.8	12	1.8	80	1.03	.82	.74	.62
863-MC33202PG	MC33202PG	PDIP-8	2	2	1	8	1.8	12	1.8	80	1.03	.82	.74	.62
863-MC33204DG	MC33204DG	SOIC-14	2.2	4	1	10	1.8	12	3.6	80	1.30	1.04	.94	.78
863-MC33204PG	MC33204PG	PDIP-14	2.2	4	1	10	1.8	12	3.6	80	1.30	1.04	.94	.78
863-MC33502DG	MC33502DG	SOIC-8	5	2	3	5	1	7	3.3	40	1.63	1.30	1.17	.98
863-NE5230DG	NE5230DG	SOIC-8	0.25	1	0.09	0.4	1.8	15	0.11	6	2.00	1.60	1.44	1.20
863-NE5230NG	NE5230NG	PDIP-8	0.25	1	0.09	0.4	1.8	15	0.11	6	2.30	1.84	1.66	1.38
863-SA5230DG	SA5230DG	SOIC-8	0.25	1	0.09	0.4	1.8	15	0.11	6	3.08	2.46	2.21	1.85
863-SA5230NG	SA5230NG	PDIP-8	0.25	1	0.09	0.4	1.8	15	0.11	6	2.73	2.18	1.96	1.64
High Speed														
863-NCS2530DTBG	NCS2530DTBG	TSSOP-16	200	3	450	+/- 4	+/- 2.5	+/- 5	1.1	100	2.61	2.18	1.96	1.65
High Current														
863-TCA0372DP1G	TCA0372DP1G	PDIP-8	1.4	2	1.4	15	5	40	5	1000	.88	.70	.63	.53
863-TCA0372DWR2G	TCA0372DWR2G	SOIC-16W	1.4	2	1.4	15	5	40	5	1000	.83	.66	.59	.50

COMPANDORS

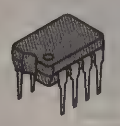
MOUSER STOCK NO.	ON Semiconductor Part No.	Package	ICC Max (mA)	VCC Max (V)	THD Typ. (%)	e_n Typ. (µV)	Vref (V)	TA Min (°C)	TA Max (°C)	Price Each			
										1	25	100	500
863-NE570DG	NE570DG	SO-16WB	4.3	24	0.3	20	1.8	0	70	7.58	6.06	5.45	4.55
863-SA571DG	SA571DG	SO-16WB	4.3	18	0.5	20	1.8	-40	85	5.78	4.62	4.16	3.47
863-SA571NG	SA571NG	PDIP-16	4.3	18	0.5	20	1.8	-40	85	5.13	4.10	3.69	3.08
863-SA572DG	SA572DG	SO-16WB	6.3	22	0.05	6	2.5	-40	85	6.35	5.08	4.57	3.81
863-SA572NG	SA572NG	PDIP-16	6.3	22	0.05	6	2.5	-40	85	6.83	5.46	4.91	4.10
863-SA575DG	SA575DG	SO-20	4.2	7	0.12	6	Vcc/2	-40	85	7.58	6.06	5.45	4.55
863-SA575NG	SA575NG	PDIP-20	4.2	7	0.12	6	Vcc/2	-40	85	9.03	7.22	6.50	5.42



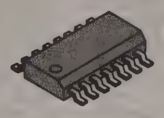
PDIP-14



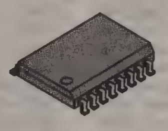
SOIC-8



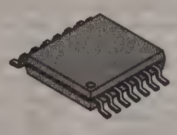
PDIP-8



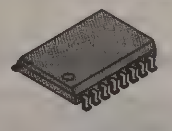
SCIC-14



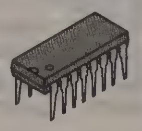
SOIC-16W



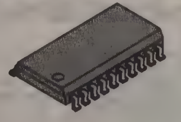
TSSOP-16



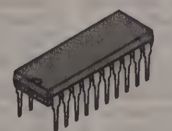
SO-16WB



PDIP-16



SO-20



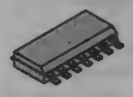
PDIP-20

STMICROELECTRONICS Operational Amplifiers

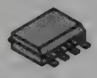
Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMicroelectronic

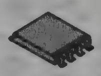
SO-14



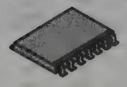
SO-8



TSSOP-8



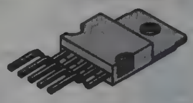
TSSOP-14



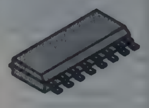
DIP-8

DIP-14

Pentawatt



SO-16



STMICROELECTRONICS GENERAL PURPOSE OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-LM201AD	LM201AD	SO-8	S	2.0	75 nA	1.00	0.50	+/- 22	3.00	-40 to +105	.84	.82	.76
511-UA741CD	UA741CD	SO-8	S	5.0	100 nA	1.00	0.50	+/- 22	2.80	0 to +70	.31	.28	.26
511-UA741ID	UA741ID	SO-8	S	5.0	100 nA	1.00	0.50	+/- 22	2.80	-40 to +105	.37	.34	.31
511-LM348D	LM348D	SO-14	Q	5.0	100 nA	1.30	0.50	+/- 22	3.60	0 to +70	.51	.47	.43
511-MC1458D	MC1458D	SO-8	D	5.0	500 nA	1.00	0.80	+/- 22	5.00	0 to +70	.29	.27	.24
511-MC1458ID	MC1458ID	SO-8	D	5.0	500 nA	1.00	0.80	+/- 22	5.00	-40 to +105	.35	.32	.29
511-TL082ACD	TL082ACD	SO-8	D	6.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.39	.36	.33
511-TL082CD	TL082CD	SO-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.45	.41	.38
511-TL082CP	TL082CPT	TSSOP-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.37	.34	.31
511-TL082ID	TL082ID	SO-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.37	.34	.31
511-TL081CD	TL081CD	SO-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.27	.25	.23
511-TL084CD	TL084CD	SO-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.37	.34	.31
511-TL084CP	TL084CPT	TSSOP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.45	.41	.38
511-TL084ID	TL084ID	SO-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.64	.63	.58
Thru Hole													
511-LM201AN	LM201AN	DIP-8	S	2.0	75 nA	1.00	0.50	+/- 22	3.00	-40 to +105	.82	.80	.74
511-UA741CN	UA741CN	DIP-8	S	5.0	100 nA	1.00	0.50	+/- 22	2.80	0 to +70	.25	.23	.21
511-UA741IN	UA741IN	DIP-8	S	5.0	100 nA	1.00	0.50	+/- 22	2.80	-40 to +105	.37	.34	.31
511-LM248N	LM248N	DIP-14	Q	5.0	100 nA	1.30	0.50	+/- 22	3.60	-40 to +105	.82	.80	.74
511-LM348N	LM348N	DIP-14	Q	5.0	100 nA	1.30	0.50	+/- 22	3.60	0 to +70	.49	.45	.41
511-MC1458IN	MC1458IN	DIP-8	D	5.0	500 nA	1.00	0.80	+/- 22	5.00	-40 to +105	.33	.30	.28
511-MC1458N	MC1458N	DIP-8	D	5.0	500 nA	1.00	0.80	+/- 22	5.00	0 to +70	.27	.25	.22
511-TL082ACN	TL082ACN	DIP-8	D	6.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.39	.36	.33
511-TL081ACN	TL081ACN	DIP-8	S	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.74	.73	.67
511-TL084ACN	TL084ACN	DIP-14	Q	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.54	.53	.49
511-LM301AN	LM301AN	DIP-8	S	7.5	250 nA	1.00	0.50	+/- 22	3.00	0 to +70	.56	.55	.51
511-L165V	L165V	Pentawatt	S	10.0	1 uA	- - - - -	8.00	+/- 18	- - - - -	-40 to +150	2.70	2.66	2.32
511-TL082CN	TL082CN	DIP-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	0 to +70	.27	.25	.22
511-TL082IN	TL082IN	DIP-8	D	10.0	100 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.39	.36	.33
511-TL081CN	TL081CN	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.29	.27	.24
511-TL081IN	TL081IN	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.51	.47	.43
511-TL084CN	TL084CN	DIP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	.35	.32	.29
511-TL084IN	TL084IN	DIP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	.45	.41	.38

STMICROELECTRONICS HIGH PERFORMANCE OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TSH24ID	TSH24ID	SO-14	Q	2.5	650 nA	25.00	15.00	+/-18 or +36	2.75	-40 to +125	1.27	1.25	1.16
511-LS204CD	LS204CD	SO-8	D	3.5	300 nA	2.50	1.00	+/- 18	1.50	0 to +70	.90	.88	.81
Thru Hole													
511-TSH24IN	TSH24IN	DIP-14	Q	2.5	650 nA	25.00	15.00	+/-18 or +36	2.75	-40 to +125	1.27	1.25	1.16
511-LS204CN	LS204CN	DIP-8	D	3.5	300 nA	2.50	1.00	+/- 18	1.50	0 to +70	.90	.88	.81

STMICROELECTRONICS HIGH SPEED OPERATIONAL AMPLIFIERS

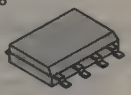
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TSH22ID	TSH22ID	SO-8	D	2.5	650 nA	25.00	15.00	+/-18 or +36	2.75	-40 to +125	1.09	1.08	.99
511-TS514AIDT	TS514AIDT	SO-14	Q	2.5	150 nA	3.00	1.50	+/- 18	2.40	-40 to +125	1.17	1.16	1.07
511-TSH94ID	TSH94ID	SO-16	Q	3.0	15 uA	150.00	110.00	14	6.00	-40 to +125	2.52	2.48	2.16
511-TS272CD	TS272CD	SO-8	D	5.0	150 pA	3.50	5.50	18	1.50	0 to +70	.72	.71	.65
511-TS274ACD	TS274ACD	SO-14	Q	5.0	150 pA	3.50	5.50	3 to 16	1.50	0 to +70	.81	.80	.74
Thru Hole													
511-TS512IN	TS512IN	DIP-8	D	2.5	150 nA	3.00	1.50	+/- 18	1.20	-40 to +125	.60	.59	.54
511-TSH22IN	TSH22IN	DIP-8	D	2.5	650 nA	25.00	15.00	+/-18 or +36	2.75	-40 to +125	1.09	1.08	.99
511-TS272CN	TS272CN	DIP-8	D	5.0	150 pA	3.50	5.50	18	1.50	0 to +70	.72	.71	.65
511-TS274IN	TS274IN	DIP-14	Q	10.0	300 pA	3.50	5.50	3 to 16	1.50	-40 to +125	1.09	1.08	.99

STMICROELECTRONICS Operational Amplifiers

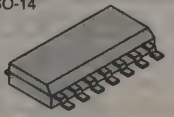
Products may be RoHS compliant.
Check mouser.com for RoHS status.

SO-8



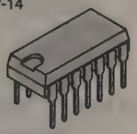
SOT-23-5L

SO-14

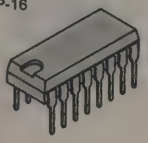


DIP-8

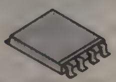
DIP-14



DIP-16



TSSOP-8



TSSOP-14

STMICROELECTRONICS LOW NOISE OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TS522ID	TS522ID	SO-8	D	0.85	750 nA	15.00	7.00	+/-18 or +36	5.00	-40 to +105	**.68**	**.67**	**.62**
511-TS524ID	TS524ID	SO-14	Q	0.95	750 nA	15.00	7.00	+/-18 or +36	10.00	-40 to +105	**.96**	**.94**	**.87**
511-MC33078D	MC33078D	SO-8	D	2.0	750 nA	15.00	7.00	+/-18 or +36	5.00	-40 to +105	**.64**	**.63**	**.58**
511-MC33079D	MC33079D	SO-14	Q	2.5	750 nA	15.00	7.00	+/-18 or +36	10.00	-40 to +105	**.88**	**.86**	**.80**
511-LM833D	LM833D	SO-8	D	5.0	1000 nA	15.00	7.00	+/-18 or +36	8.00	-40 to +105	**.51**	**.47**	**.43**
511-TL071ACD	TL071ACD	SO-8	S	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	**.70**	**.69**	**.63**
511-TL072ACD	TL072ACD	SO-8	D	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	**.74**	**.73**	**.67**
511-TL071CD	TL071CD	SO-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	**.27**	**.25**	**.23**
511-TL072CD	TL072CD	SO-8	D	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	**.49**	**.45**	**.41**
511-TL072ID	TL072ID	SO-8	D	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	**.54**	**.53**	**.49**
511-TL074CD	TL074CD	SO-14	Q	10.0	200 pA	3.00	13.00	+/- 18	2.50	0 to +70	**.52**	**.51**	**.47**
511-TL074ID	TL074ID	SO-14	Q	10.0	200 pA	3.00	13.00	+/- 18	2.50	-40 to +105	**.64**	**.63**	**.58**
Thru Hole													
511-TS522IN	TS522IN	DIP-8	D	0.85	750 nA	15.00	7.00	+/-18 or +36	5.00	-40 to +105	**.68**	**.67**	**.62**
511-TS524IN	TS524IN	DIP-14	Q	0.95	750 nA	15.00	7.00	+/-18 or +36	10.00	-40 to +105	**.96**	**.94**	**.87**
511-MC33078N	MC33078N	DIP-8	D	2.0	750 nA	15.00	7.00	+/-18 or +36	5.00	-40 to +105	**.47**	**.43**	**.40**
511-MC33079N	MC33079N	DIP-14	Q	2.5	750 nA	15.00	7.00	+/-18 or +36	10.00	-40 to +105	**.88**	**.86**	**.80**
511-LM833N	LM833N	DIP-8	D	5.0	1000 nA	15.00	7.00	+/-18 or +36	8.00	-40 to +105	**.49**	**.45**	**.41**
511-TL071ACN	TL071ACN	DIP-8	S	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	**.70**	**.69**	**.63**
511-TL072ACN	TL072ACN	DIP-8	D	6.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	**.74**	**.73**	**.67**
511-TL071CN	TL071CN	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	**.41**	**.38**	**.34**
511-TL071IN	TL071IN	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	**.51**	**.47**	**.43**
511-TL072CN	TL072CN	DIP-8	D	10.0	200 pA	4.00	16.00	+/- 18	2.50	0 to +70	**.27**	**.25**	**.22**
511-TL072IN	TL072IN	DIP-8	D	10.0	200 pA	4.00	16.00	+/- 18	2.50	-40 to +105	**.54**	**.53**	**.49**
511-TL074CN	TL074CN	DIP-14	Q	10.0	200 pA	3.00	13.00	+/- 18	2.50	0 to +70	**.35**	**.32**	**.29**
511-TL074IN	TL074IN	DIP-14	Q	10.0	200 pA	3.00	13.00	+/- 18	2.50	-40 to +105	**.45**	**.41**	**.38**

STMICROELECTRONICS LOW POWER OPERATIONAL AMPLIFIERS

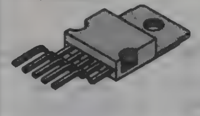
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TS321AIL	TS321AILT	SOT-23-5L	S	2.0	150 nA	0.80	0.40	± 16 or 32	0.60	-40 to +125	**.44**	**.41**	**.37**
511-LM358AD	LM358AD	SO-8	D	3.0	50 nA	1.10	0.60	+ 32	2.00	0 to +70	**.39**	**.36**	**.33**
511-LM324AD	LM324AD	SO-14	Q	3.0	100 nA	1.30	0.40	± 16 or 32	3.00	0 to +70	**.39**	**.36**	**.33**
511-TS321IL	TS321ILT	SOT-23-5L	S	4.0	150 nA	0.80	0.40	± 16 or 32	0.60	-40 to +125	**.29**	**.27**	**.24**
511-MC33171D	MC33171D	SO-8	S	4.5	100 nA	2.10	2.00	± 22	0.25	-40 to +105	**.58**	**.57**	**.53**
511-MC33172D	MC33172D	SO-8	D	4.5	100 nA	2.10	2.00	± 22	0.25	-40 to +105	**.84**	**.82**	**.76**
511-MC33174D	MC33174D	SO-14	Q	4.5	100 nA	2.10	2.00	± 22	0.25	-40 to +105	**1.09**	**1.08**	**.99**
511-LM258D	LM258D	SO-8	D	5.0	150 nA	1.10	0.60	+ 32	2.00	-40 to +105	**.33**	**.30**	**.28**
511-LM124D	LM124D	SO-14	Q	5.0	150 nA	1.30	0.40	± 16 or 32	3.00	-55 to +125	**1.45**	**1.43**	**1.32**
511-LM224AP	LM224APT	TSSOP-14	Q	5.0	200 nA	1.30	0.40	± 16 or 32	3.00	-40 to +105	**.39**	**.36**	**.33**
511-LM224D	LM224D	SO-14	Q	5.0	150 nA	1.30	0.40	± 16 or 32	3.00	-40 to +105	**.35**	**.32**	**.29**
511-LM224P	LM224PT	TSSOP-14	Q	5.0	150 nA	1.30	0.40	± 16 or 32	3.00	-40 to +105	**.33**	**.30**	**.28**
511-MC3403D	MC3403D	SO-14	Q	5.0	500 nA	1.00	0.50	±18 or 36	7.00	0 to +70	**.52**	**.51**	**.47**
511-LM2904D	LM2904D	SO-8	D	7.0	150 nA	1.10	0.60	+ 32	1.20	-40 to +125	**.33**	**.30**	**.28**
511-LM2904P	LM2904PT	TSSOP-8	D	7.0	150 nA	1.10	0.60	+ 32	1.20	-40 to +125	**.19**	**.17**	**.16**
511-LM358D	LM358D	SO-8	D	7.0	150 nA	1.10	0.60	+ 32	2.00	0 to +70	**.27**	**.25**	**.22**
511-LM2902D	LM2902D	SO-14	Q	7.0	150 nA	1.30	0.40	± 16 or 32	3.00	-40 to +125	**.33**	**.30**	**.28**
511-LM324D	LM324D	SO-14	Q	7.0	150 nA	1.30	0.40	± 16 or 32	3.00	0 to +70	**.29**	**.27**	**.24**
511-TL064CD	TL064CD	SO-14	Q	15.0	400 pA	1.00	3.50	± 18	250.00	0 to +70	**.37**	**.34**	**.31**
Thru Hole													
511-LM258AN	LM258AN	DIP-8	D	3.0	50 nA	1.10	0.60	+ 32	1.20	-40 to +105	**.29**	**.27**	**.24**
511-LM358AN	LM358AN	DIP-8	D	3.0	50 nA	1.10	0.60	+ 32	2.00	0 to +70	**.39**	**.36**	**.33**
511-LM224AN	LM224AN	DIP-14	Q	3.0	100 nA	1.30	0.40	± 16 or 32	3.00	-40 to +105	**.37**	**.34**	**.31**
511-LM324AN	LM324AN	DIP-14	Q	3.0	100 nA	1.30	0.40	± 16 or 32	3.00	0 to +70	**.19**	**.17**	**.16**
511-MC33171N	MC33171N	DIP-8	S	4.5	100 nA	2.10	2.00	± 22	0.25	-40 to +105	**.58**	**.57**	**.53**
511-MC33172N	MC33172N	DIP-8	D	4.5	100 nA	2.10	2.00	± 22	0.25	-40 to +105	**.84**	**.82**	**.76**
511-MC33174N	MC33174N	DIP-14	Q	4.5	100 nA	2.10	2.00	± 22	0.25	-40 to +105	**1.09**	**1.08**	**.99**
511-LM258N	LM258N	DIP-8	D	5.0	150 nA	1.10	0.60	+ 32	2.00	-40 to +105	**.23**	**.21**	**.19**
511-LM224N	LM224N	DIP-14	Q	5.0	150 pA	1.30	0.40	± 16 or 32	3.00	-40 to +105	**.23**	**.21**	**.19**
511-MC3403N	MC3403N	DIP-14	Q	5.0	500 nA	1.00	0.50	±18 or 36	7.00	0 to +70	**.52**	**.51**	**.47**
511-TL062IN	TL062IN	DIP-8	D	6.0	214 pA	1.00	3.50	± 18	250.00	-40 to +105	**.58**	**.57**	**.53**
511-TL064IN	TL064IN	DIP-14	Q	6.0	214 pA	1.00	3.50	± 18	250.00	-40 to +105	**.41**	**.38**	**.34**
511-LM2904N	LM2904N	DIP-8	D	7.0	150 nA	1.10	0.60	+ 32	1.20	-40 to +125	**.19**	**.17**	**.16**
511-LM358N	LM358N	DIP-8	D	7.0	150 nA	1.10	0.60	+ 32	2.00	0 to +70	**.18**	**.16**	**.15**
511-LM2902N	LM2902N	DIP-14	Q	7.0	150 nA	1.30	0.40	± 16 or 32	3.00	-40 to +125	**.19**	**.17**	**.16**
511-LM324N	LM324N	DIP-14	Q	7.0	150 pA	1.30	0.40	± 16 or 32	3.00	0 to +70	**.18**	**.16**	**.15**
511-TL061CN	TL061CN	DIP-8	S	15.0	400 pA	1.00	3.50	± 18	250.00	0 to +70	**.32**	**.30**	**.27**
511-TL062CN	TL062CN	DIP-8	D	15.0	400 pA	1.00	3.50	± 18	250.00	0 to +70	**.29**	**.27**	**.24**
511-TL064CN	TL064CN	DIP-14	Q	15.0	400 pA	1.00	3.50	± 18	250.00	0 to +70	**.35**	**.32**	**.29**

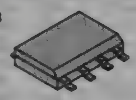
STMICROELECTRONICS Operational Amplifiers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

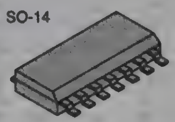
Pentawatt



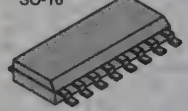
SO-8



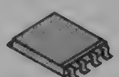
SO-14



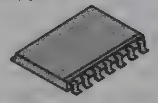
SO-16



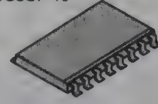
TSSOP-8



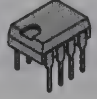
TSSOP-14



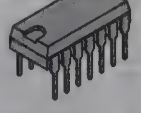
TSSOP-16



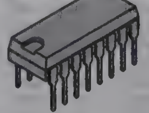
DIP-8



DIP-14



DIP-16



STMICROELECTRONICS POWER OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each		
											1	10	100
Thru Hole													
511-L165H	L165H	Pentawatt	S	10.0	1 uA	-----	8.00	18	-----	-40 to +150	**2.82**	**2.77**	**2.42**
511-L272M	L272M	DIP-8	D	60.0	2.5 uA	0.35	1.00	28	-----	-40 to +85	**1.55**	**1.53**	**1.41**
511-L272	L272	DIP-16	D	60.0	2.5 uA	0.35	1.00	28	-----	-40 to +85	**1.91**	**1.88**	**1.73**

STMICROELECTRONICS PRECISION OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-UA748ID	UA748ID	SO-8	S	2.0	10 nA	1.00	0.50	+/- 22	3.00	-40 to +105	**.58**	**.57**	**.53**
Thru Hole													
511-OP07CN	OP07CN	DIP-8	S	0.15	7 nA	0.50	0.17	+/- 22	5.00	-40 to +105	**.76**	**.75**	**.69**
511-UA748IN	UA748IN	DIP-8	S	2.0	10 nA	1.00	0.50	+/- 22	3.00	-40 to +105	**.58**	**.57**	**.53**
511-UA748CN	UA748CN	DIP-8	S	7.5	50 nA	1.00	0.50	+/- 22	3.00	0 to +70	**.45**	**.41**	**.38**

STMICROELECTRONICS PROGRAMMABLE OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each		
											1	10	100
Thru Hole													
511-LM346N	LM346N	DIP-16	Q	5.0	250 nA	1.00	0.50	+/- 22	2.00	0 to +70	**1.23**	**1.21**	**1.12**

STMICROELECTRONICS RAIL-TO-RAIL FULL CMOS OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TS912BID	TS912BID	SO-8	D	2.0	100 pA	1.00	0.80	18	0.35	-40 to +125	**1.45**	**1.43**	**1.32**
511-TS912AIDT	TS912AIDT	SO-8	D	7.0	150 pA	0.80	+0.4/-0.3	18	0.30	-40 to +125	**.92**	**.90**	**.83**
511-TS912ID	TS912ID	SO-8	D	10.0	100 pA	1.00	0.80	18	0.35	-40 to +125	**1.05**	**1.04**	**.96**
511-TS914ID	TS914ID	SO-14	Q	10.0	150 pA	0.90	+0.8/-0.5	18	0.35	-40 to +125	**1.28**	**1.26**	**1.16**
Thru Hole													
511-TS912IN	TS912IN	DIP-8	D	10.0	100 pA	1.00	0.80	18	0.35	-40 to +125	**.91**	**.89**	**.83**

STMICROELECTRONICS RAIL-TO-RAIL HIGH OUTPUT CURRENT OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TS922AID	TS922AID	SO-8	D	0.9	100 nA	4.00	1.30	14	3.00	-40 to +125	**1.17**	**1.16**	**1.07**
511-TS924AID	TS924AID	SO-14	Q	0.9	100 nA	4.00	1.30	14	7.00	-40 to +125	**1.85**	**1.82**	**1.68**
511-TS924AIP	TS924AIPT	TSSOP-14	Q	0.9	100 nA	4.00	1.30	14	7.00	-40 to +125	**1.95**	**1.92**	**1.77**
511-TS922ID	TS922ID	SO-8	D	3.0	100 nA	4.00	1.30	14	3.00	-40 to +125	**1.17**	**1.16**	**1.07**
511-TS922IP	TS922IPT	TSSOP-8	D	3.0	100 nA	4.00	1.30	14	3.00	-40 to +125	**1.01**	**1.00**	**.92**
511-TS924ID	TS924ID	SO-14	Q	3.0	100 nA	4.00	1.30	14	7.00	-40 to +125	**1.53**	**1.51**	**1.39**
511-TS924IP	TS924IPT	TSSOP-14	Q	3.0	100 nA	4.00	1.30	14	7.00	-40 to +125	**1.65**	**1.62**	**1.50**
511-TS925ID	TS925ID	SO-16	Q	3.0	100 nA	4.00	1.30	14	8.00	-40 to +125	**1.59**	**1.56**	**1.44**
Thru Hole													
511-TS922AIN	TS922AIN	DIP-8	D	0.9	100 nA	4.00	1.30	14	3.00	-40 to +125	**1.17**	**1.16**	**1.07**
511-TS924AIN	TS924AIN	DIP-14	Q	0.9	100 nA	4.00	1.30	14	7.00	-40 to +125	**1.85**	**1.82**	**1.68**
511-TS921IN	TS921IN	DIP-8	S	3.0	100 nA	4.00	1.30	12	1.50	-40 to +125	**.82**	**.80**	**.74**
511-TS922IN	TS922IN	DIP-8	D	3.0	100 nA	4.00	1.30	14	3.00	-40 to +125	**1.17**	**1.16**	**1.07**
511-TS924IN	TS924IN	DIP-14	Q	3.0	100 nA	4.00	1.30	14	7.00	-40 to +125	**1.53**	**1.51**	**1.39**

STMICROELECTRONICS Operational Amplifiers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

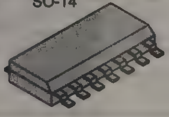
STMicroelectronics

SOT-23-5L

SO-8

TSSOP-8

SO-14



TSSOP-14

DIP-8

DIP-14

STMICROELECTRONICS RAIL-TO-RAIL LOW POWER OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TS1851IL	TS1851ILT	SOT-23-5L	S	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	**1.09**	**1.08**	**.99**
511-TS1852ID	TS1852ID	SO-8	D	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	**1.27**	**1.25**	**1.16**
511-TS461CL	TS461CLT	SOT-23-5L	S	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	**.49**	**.45**	**.41**
511-TS462CD	TS462CD	SO-8	D	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	**.43**	**.40**	**.36**
511-TS464CP	TS464CPT	TSSOP-14	Q	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	**.56**	**.55**	**.51**
511-TS951IL	TS951ILT	SOT-23-5L	S	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	**.58**	**.57**	**.53**
511-TS952ID	TS952ID	SO-8	D	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	**.62**	**.61**	**.56**
511-TS952IP	TS952IPT	TSSOP-8	D	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	**.62**	**.61**	**.56**
511-TS954ID	TS954ID	SO-14	Q	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	**1.39**	**1.37**	**1.26**
511-TS954IP	TS954IPT	TSSOP-14	Q	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	**.78**	**.77**	**.71**
Thru Hole													
511-TS1852IN	TS1852IN	DIP-8	D	3.0	50 nA	0.48	0.18	7	0.17	-40 to +125	**1.27**	**1.25**	**1.16**
511-TS462CN	TS462CN	DIP-8	D	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	**.43**	**.40**	**.36**
511-TS464CN	TS464CN	DIP-14	Q	5.0	750 nA	10.00	4.00	12	2.80	-20 to +70	**.56**	**.55**	**.51**
511-TS952IN	TS952IN	DIP-8	D	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	**.62**	**.61**	**.56**
511-TS954IN	TS954IN	DIP-14	Q	6.0	100 nA	3.00	1.00	12	1.30	-40 to +125	**.78**	**.77**	**.71**

STMICROELECTRONICS RAIL-TO-RAIL MICROPOWER OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TS942AIDT	TS942AIDT	SO-8	D	5.0	150 pA	0.01	4.00	12	2.00	-40 to +85	**1.13**	**1.12**	**1.03**
511-TS941ID	TS941ID	SO-8	S	10.0	150 pA	0.01	4.00	12	2.00	-40 to +85	**.86**	**.84**	**.78**
511-TS941IL	TS941ILT	SOT-23-5L	S	10.0	150 pA	0.01	4.00	12	2.00	-40 to +85	**.86**	**.84**	**.78**
511-TS942ID	TS942ID	SO-8	D	10.0	150 pA	0.01	4.00	12	2.00	-40 to +85	**1.57**	**1.55**	**1.43**
511-TS931IL	TS931ILT	SOT-23-5L	S	10.0	150 pA	0.10	50.00	12	31.00	-40 to +85	**.43**	**.40**	**.36**
511-TS942AIDT	TS942AIDT	SO-8	D	5.0	150 pA	0.01	4.00	12	2.00	-40 to +85	**1.13**	**1.12**	**1.03**
Thru Hole													
511-TS942BIN	TS942BIN	DIP-8	D	2.0	150 pA	10.00	4.00	12	2.00	-40 to +85	**1.23**	**1.21**	**1.12**
511-TS942IN	TS942IN	DIP-8	D	10.0	150 pA	10.00	4.00	12	2.00	-40 to +85	**1.57**	**1.55**	**1.43**

STMICROELECTRONICS RAIL-TO-RAIL VERY LOW NOISE OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temp. Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TS971ID	TS971ID	SO-8	S	5.0	750 nA	12.00	4.00	12	2.8	-40 to +125	**.41**	**.38**	**.34**
511-TS971IL	TS971ILT	SOT-23-5L	S	5.0	750 nA	12.00	4.00	12	2.8	-40 to +125	**.41**	**.38**	**.34**
511-TS974ID	TS974ID	SO-14	Q	5.0	750 nA	12.00	4.00	12	2.8	-40 to +125	**.76**	**.75**	**.69**
511-TS974IP	TS974IPT	TSSOP-14	Q	5.0	750 nA	12.00	4.00	12	2.8	-40 to +125	**.76**	**.75**	**.69**
Thru Hole													
511-TS972IN	TS972IN	DIP-8	D	5.0	750 nA	12.00	4.00	12	2.80	-40 to +125	**.52**	**.51**	**.47**

STMICROELECTRONICS VERY LOW POWER OPERATIONAL AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each		
											1	10	100
Surface Mount													
511-TS27L4ACD	TS27L4ACD	SO-14	Q	5.0	150 nA	0.10	0.04	18	15.00	0 to +70	**.92**	**.90**	**.83**

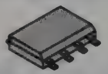
STMICROELECTRONICS Amplifiers

Products may be RoHS compliant. Check mouser.com for RoHS status.

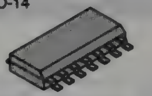
STMicroelectronics

MiniSO-8

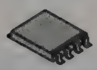
SO-8



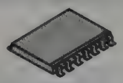
SO-14



TSSOP-8



TSSOP-14



DIP-8

DIP-14

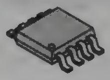
STMICROELECTRONICS VERY LOW POWER OPERATIONAL AMPLIFIERS (CONT.)

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each 1	10	100	250
Thru Hole														
511-TS27L2AIN	TS27L2AIN	DIP-8	D	5.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.24	1.22	1.13	Call for Quote
511-TS27L4AIN	TS27L4AIN	DIP-14	Q	5.0	300 nA	0.10	0.04	18	15.00	-40 to +125	1.29	1.27	1.17	
511-TS27L2CN	TS27L2CN	DIP-8	D	10.0	150 nA	0.10	0.04	18	15.00	0 to +70	.47	.43	.39	
511-TS27L4CN	TS27L4CN	DIP-14	Q	10.0	150 nA	0.10	0.04	18	15.00	0 to +70	.54	.53	.49	

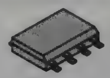
STMICROELECTRONICS WIDEBAND WIDTH OPERATIONAL AMPLIFIERS

MOUSER STOCK NO.	STM Part No.	Package Type	Single, Dual, Quad, Triple	Input Offset Voltage (mV) (Max)	Input Bias Current (Max)	Gain Bandwidth Product (MHz) (Typ)	Slew Rate (V/uS) (Typ)	Supply Voltage (V) (Max)	Supply Current (mA) (Max)	Temperature Range (°C)	Price Each 1	10	100	250
Surface Mount														
511-TSH110IL	TSH110ILT	SOT-23-5L	S	2.0	13 uA	100.00	230.00	14	4.00	-40 to +85	1.07	1.06	.98	Call for Quote
511-TSH150ID	TSH150ID	SO-8	S	5.0	30 uA	150.00	190.00	+/- 7	30.00	-40 to +125	3.73	3.67	3.20	
511-MC4558CD	MC4558CD	SO-8	D	5.0	400 nA	5.50	2.20	+/- 22	4.50	0 to +70	.39	.36	.33	
511-MC4558CP	MC4558CPT	TSSOP-8	D	5.0	400 nA	5.50	2.20	+/- 22	4.50	0 to +70	.39	.36	.33	
511-MC4558ID-TR	MC4558IDT	SO-8	D	5.0	400 nA	5.50	2.20	+/- 22	4.50	-40 to +125	.45	.41	.38	
511-LF351D	LF351D	SO-8	S	10.0	200 pA	4.00	16.00	+/- 18	3.40	0 to +70	.47	.43	.40	
511-TS613ID	TS613ID	SO-8	D	10.0	30 uA	130.00	40.00	+/- 7	11.00	-40 to +85	3.57	3.51	3.06	
511-LF347D	LF347D	SO-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.70	0 to +70	.58	.57	.53	
511-LF353D	LF353D	SO-8	D	10.0	200 pA	4.00	16.00	+/- 18	3.20	0 to +70	.49	.45	.41	
Thru Hole														
511-MC4558CN	MC4558CN	DIP-8	D	5.0	400 nA	5.50	2.20	+/- 22	4.50	0 to +70	.27	.25	.22	Call for Quote
511-LF351N	LF351N	DIP-8	S	10.0	200 pA	4.00	16.00	+/- 18	3.40	0 to +70	.45	.41	.38	
511-LF347N	LF347N	DIP-14	Q	10.0	200 pA	4.00	16.00	+/- 18	2.70	0 to +70	.56	.55	.51	
511-LF353N	LF353N	DIP-8	D	10.0	200 pA	4.00	16.00	+/- 18	3.20	0 to +70	.49	.45	.41	

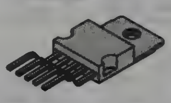
MiniSO-8



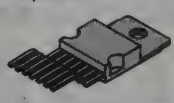
SO-8



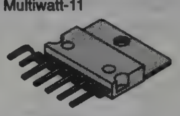
Pentawatt



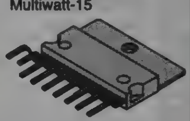
Heptawatt-7



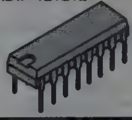
Multiwatt-11



Multiwatt-15



PWRDIP-12+2+2



STMICROELECTRONICS AUDIO AMPLIFIERS

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage Min/Max (V)	Output Power Min/Typ (W)	@ (V)	Harm. Distort.	Temperature Range (°C)	Price Each 1	10	100	250
Surface Mount												
511-TS419IDT	TS419IDT	SO-8	Audio power amplifier with standby mode	2.0/5.5	----/0.71	6	-----	-40 to +85	.78	.77	.71	Call for Quote
511-TS4871ID	TS4871ID	SO-8	Stereo headphone power amp with standby mode	2.5/5.5	----/1.0	-----	0.15 %	-40 to +85	.98	.96	.89	
511-TS4871IS	TS4871IST	MiniSO-8	Stereo headphone power amp with standby mode	2.5/5.5	----/1.0	-----	0.15 %	-40 to +85	.98	.96	.89	
511-TS4890ID	TS4890ID	SO-8	Rail-to-rail audio power amp with standby mode	2.5/5.5	----/1.0	-----	1.0 %	-40 to +85	1.29	1.27	1.17	
511-TS4990IS	TS4990IST	MiniSO-8	Audio power amplifier with A/L standby mode	2.5/5.5	0.9/1.2	-----	0.20%	-40 to +85	1.07	1.06	.98	
Thru Hole												
511-TDA2040V	TDA2040V	Pentawatt	Hi-Fi, high output current with low distortion	2.5/20	20/22	16	0.50%	-40 to +150	2.68	2.64	2.30	Call for Quote
511-TEA2025B	TEA2025B	PWRDIP-12+2+2	Stereo, high channel separation, dual or bridge	3/12	0.7/1	6	10%	-40 to +150	1.17	1.16	1.07	
511-TDA7240AH	TDA7240AH	Heptawatt-7	Bridge amplifier for car radio	---/18	18/20	-----	0.05%	-40 to +150	2.28	2.25	1.96	
511-TDA7266	TDA7266	Multiwatt-15	Dual bridge amplifier	3/18	6.3/7	-----	0.2 %	0 to +70	5.94	5.85	5.10	
511-E-TDA2003H	E-TDA2003H	Pentawatt	Mono high output current with low distortion	8/18	9/10	14.4	10%	-40 to +150	1.39	1.37	1.26	
511-E-TDA2003V	E-TDA2003V	Pentawatt	Mono high output current with low distortion	8/18	9/10	14.4	10%	-40 to +150	1.39	1.37	1.26	
511-TDA1910	TDA1910	Multiwatt-11	Mono low noise with muting facility	8/30	10/12	24	0.50%	-40 to +150	2.97	2.93	2.55	
511-TDA7293V	TDA7293V	Multiwatt-15V	DMOS audio amplifier with mute/standby	12/50	90/100	29	0.01%	0 to +70	5.73	5.64	4.92	

STMICROELECTRONICS WIDEBAND RF AMPLIFIER

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage Min/Max (V)	Output Power Min/Typ (dBm)	P1dB @3V (dBm)	Frequency Range	Temperature Range (°C)	Price Each 1	10	100	250
Surface Mount												
511-TSH690ID	TSH690ID	SO-8	Wideband amplifier, driver stage	1.5 - 5.0	8/12	+13.5	40MHz to 1GHz	-40 to +85	1.11	1.10	1.01	Call

TEXAS INSTRUMENTS Operational Amplifiers

OPERATIONAL AMPLIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Available Channels	Iq per Channel (Max.) (mA)	Vs Min./Max. (V)	Slew Rate (typ) (V/μV)	Price Each			
								1	25	100	250
595-OPA604AP	OPA604AP	PDIP-8	1	-	6	9/48	25	2.36	1.89	1.47	1.40
595-OPA604AU	OPA604AU	SOIC-8	1	-	6	9/48	25	2.36	1.89	1.47	1.40
595-TLV2401IDBVT	TLV2401IDBVT	SOP-5	1	D	0.00095	2.5/16	0.0025	2.13	1.78	1.28	1.14
595-TLV2241IP	TLV2241IP	DIP-8	1	D	0.0012	2.5/12	0.002	1.55	1.24	.93	.87
595-OPA379AID	OPA379AID	SOIC-8	1	D	0.005	1.8/5.5	0.03	1.80	1.62	1.46	1.31
595-OPA333AID	OPA333AID	SOIC-8	1	D	0.017	1.8/5.5	0.16	2.28	2.05	1.84	1.66
595-OPA333AIDBVT	OPA333AIDBVT	SOP-5	1	D	0.017	1.8/5.5	0.16	2.63	2.31	2.10	1.89
595-OPA333AIDCKT	OPA333AIDCKT	SOP-5	1	D	0.017	1.8/5.5	0.16	2.63	2.31	2.10	1.89
595-TLV2761IDBVT	TLV2761IDBVT	SOT-23-5	1	D	0.028	1.8/3.6	0.2	2.01	1.68	1.21	1.07
595-OPA241UA	OPA241UA	SOIC-8	1	D	0.03	2.7/36	0.01	2.76	2.48	2.23	2.01
595-OPA336N/250	OPA336N/250	SOP-5	1	D	0.032	2.3/5.5	0.03	2.63	2.31	2.10	1.89
595-OPA244NA/250	OPA244NA/250	SOP-5	1	D	0.05	2.6/36	0.1	1.43	1.25	1.14	1.03
595-LMV321IDBVR	LMV321IDBVR	SOT-23-5	1	D	0.17	2.7/5.5	1	.62	.56	.50	.46
595-LMV321IDCKR	LMV321IDCKR	SC-70-5	1	D	0.17	2.7/5.5	1	.43	.39	.35	.31
595-OPA342NA/250	OPA342NA/250	SOP-5	1	D	0.25	2.7/5.5	1	1.68	1.47	1.34	1.21
595-TL061ACD	TL061ACD	SOP-8	1	D	0.25	7/36	3.5	.75	.63	.50	.38
595-TL061ACP	TL061ACP	DIP-8	1	D	0.25	7/36	3.5	.75	.63	.50	.38
595-TL061CD	TL061CD	SOIC-8	1	D	0.25	7/36	3.5	.34	.30	.27	.25
595-TL061CP	TL061CP	DIP-8	1	D	0.25	7/36	3.5	.56	.42	.32	.23
595-TL061IP	TL061IP	DIP-8	1	D	0.25	7/36	3.5	.96	.72	.54	.40
595-OPA137NA/250	OPA137NA/250	SOP-5	1	D	0.27	4.5/36	3.5	1.63	1.43	1.30	1.17
595-TL031CD	TL031CD	SOP-8	1	D	0.28	10/30	5.1	.87	.73	.58	.44
595-TL031CP	TL031CP	DIP-8	1	D	0.28	10/30	5.1	.87	.73	.58	.44
595-TL031ID	TL031ID	SOIC-8	1	D	0.28	10/30	5.1	.82	.73	.68	.60
595-TLE2021ACD	TLE2021ACD	SOP-8	1	D	0.3	4/40	0.5	1.38	1.10	.83	.77
595-TLE2021MD	TLE2021MD	SOP-8	1	D	0.3	4/40	0.5	1.50	1.20	.90	.84
595-OPA237NA/3K	OPA237NA/250	SOP-5	1	D	0.35	2.7/36	0.5	1.50	1.20	.90	.85
595-OPA237UA	OPA237UA	SOIC-8	1	D	0.35	2.7/36	0.5	1.38	1.10	.83	.77
595-OPA335AIDBVT	OPA335AIDBVT	SOP-5	1	D	0.35	2.7/5.5	1.6	2.75	2.42	2.20	1.98
595-TLE2061CP	TLE2061CP	DIP-8	1	D	0.35	7/36	3.4	1.63	1.30	.98	.91
95-TLV2460CD	TLV2460CD	SOP-8	1	D	0.575	2.7/6	1.6	1.55	1.24	.93	.87
95-TLV2460CP	TLV2460CP	DIP-8	1	D	0.575	2.7/6	1.6	1.55	1.24	.93	.87
95-TLV2461CP	TLV2461CP	DIP-8	1	D	0.575	2.7/6	1.6	1.37	1.23	1.11	1.00
95-OPA130UA	OPA130UA	SOIC-8	1	D	0.65	4.5/36	2	3.15	2.52	1.96	1.86
95-TLV2370IDBVR	TLV2370IDBVR	SOT-23-6	1	D	0.66	2.7/15	2.4	1.08	.97	.87	.79
95-TLV271IDBVR	TLV271IDBVR	SOT-23-5	1	D	0.66	2.7/15	2.4	.87	.73	.58	.44
95-OPA364AIDBVT	OPA364AIDBVT	SOP-5	1	D	0.75	1.8/5.5	5	1.63	1.43	1.30	1.17
95-OPA364IDBVT	OPA364IDBVT	SOP-5	1	D	0.75	1.8/5.5	5	2.25	1.98	1.80	1.62
95-OPA735AIDBVT	OPA735AIDBVT	SOP-5	1	D	0.75	2.7/12	1.5	3.50	3.08	2.80	2.52
95-OPA277PA	OPA277PA	PDIP-8	1	D	0.825	4/36	0.8	2.03	1.62	1.22	1.13
95-OPA277UA	OPA277UA	SOIC-8	1	D	0.825	4/36	0.8	2.03	1.62	1.22	1.13
95-OPA340NA/250	OPA340NA/250	SOP-5	1	D	0.95	2.7/5.5	6	2.03	1.78	1.62	1.46
95-OPA340UA	OPA340UA	SOIC-8	1	D	0.95	2.7/5.5	6	1.90	1.52	1.14	1.06
95-OPA743NA/3K	OPA743NA/3K	SOP-5	1	D	1.5	3.5/12	10	2.28	2.05	1.84	1.66
95-TLC2201ACD	TLC2201ACD	SOIC-8	1	D	1.5	4.6/16	2.5	3.98	3.59	3.22	2.91
95-TLC2201CP	TLC2201CP	DIP-8	1	D	1.5	4.6/16	2.5	3.53	2.83	2.20	2.09
95-TLC4501AID	TLC4501AID	SOP-8	1	D	1.5	4/6	2.5	2.99	2.39	1.86	1.77
95-TLC251ACP	TLC251ACP	DIP-8	1	D	1.6	1.4/16	3.6	2.15	1.72	1.29	1.20
95-TLC251CP	TLC251CP	DIP-8	1	D	1.6	1.4/16	3.6	2.03	1.62	1.22	1.13
95-TLC271ACP	TLC271ACP	DIP-8	1	D	1.6	3/16	3.6	.96	.72	.54	.40
95-TLC271AIP	TLC271AIP	DIP-8	1	D	1.6	3/16	3.6	.75	.63	.50	.38
95-TLC271CD	TLC271CD	SOP-8	1	D	1.6	3/16	3.6	.55	.50	.45	.40
95-TLC271CDR	TLC271CDR	SOIC-8	1	D	1.6	3/16	3.6	.55	.50	.45	.40
95-TLC271CP	TLC271CP	DIP-8	1	D	1.6	3/16	3.6	.92	.69	.52	.38
95-TLV2771ID	TLV2771ID	SOP-8	1	D	2	2.5/5.5	9	1.68	1.34	1.01	.94
95-TLE2071AIP	TLE2071AIP	DIP-8	1	D	2.2	4.5/38	45	1.88	1.50	1.13	1.05
95-TLE2071CP	TLE2071CP	DIP-8	1	D	2.2	4.5/38	45	1.50	1.20	.90	.84
95-TLE2081ACP	TLE2081ACP	DIP-8	1	D	2.2	4.5/38	45	1.63	1.30	.98	.91
95-TL071ACP	TL071ACP	DIP-8	1	D	2.5	7/36	13	.72	.54	.41	.30
95-TL071CD	TL071CD	SOIC-8	1	D	2.5	7/36	13	.29	.26	.23	.21
95-TL071CDR	TL071CDR	SOIC-8	1	D	2.5	7/36	13	.29	.26	.23	.21
95-TL071CP	TL071CP	DIP-8	1	D	2.5	7/36	13	.48	.36	.27	.20
95-TL071ID	TL071ID	SOP-8	1	D	2.5	7/36	13	.48	.43	.39	.35
95-TL071IP	TL071IP	DIP-8	1	D	2.5	7/36	13	.80	.60	.45	.33
95-TLC071AIP	TLC071AIP	DIP-8	1	D	2.5	4.5/16	16	1.44	1.20	.96	.72
95-TLC072AIP	TLC072AIP	DIP-8	1	D	2.5	4.5/16	16	1.78	1.42	1.07	.99
95-TLC072CD	TLC072CD	SOP-8	1	D	2.5	4.5/16	16	1.68	1.34	1.01	.94
95-TLC072CDR	TLC072CDR	SOIC-8	1	D	2.5	4.5/16	16	1.61	1.45	1.30	1.17
95-TLC080CD	TLC080CD	SOP-8	1	D	2.5	4.5/16	16	1.44	1.20	.96	.72
95-TLC081CD	TLC081CD	SOP-8	1	D	2.5	4.5/16	16	1.29	1.08	.86	.65
95-TL081ACD	TL081ACD	SOP-8	1	D	2.8	7/36	13	.80	.60	.45	.33
95-TL081ACP	TL081ACP	DIP-8	1	D	2.8	7/36	13	.80	.60	.45	.33
95-TL081BCP	TL081BCP	PDIP-8	1	D	2.8	7/36	13	1.00	.75	.56	.42
95-TL081CD	TL081CD	SOIC-8	1	D	2.8	7/36	13	.29	.26	.23	.21
95-TL081CP	TL081CP	DIP-8	1	D	2.8	7/36	13	.48	.36	.27	.20
95-LF411CP	LF411CP	PDIP-8	1	D	3.4	7/36	13	1.17	.98	.78	.59
95-OPA227P	OPA227P	PDIP-8	1	D	3.8	5/36	2.3	5.02	4.01	3.12	2.97
95-OPA227U	OPA227U	SOIC-8	1	D	3.8	5/36	2.3	5.02	4.01	3.12	2.97
95-OPA227UA	OPA227UA	SOIC-8	1	D	3.8	5/36	2.3	2.36	1.89	1.47	1.40
95-TLE2141ACD	TLE2141ACD	SOP-8	1	D	4.5	4/44	45	1.63	1.30	.98	.91
95-TLE2141ACP	TLE2141ACP	DIP-8	1	D	4.5	4/44	45	1.63	1.30	.98	.91
95-TLE2141CD	TLE2141CD	SOP-8	1	D	4.5	4/44	45	1.38	1.10	.83	.77
95-TLE2141CP	TLE2141CP	DIP-8	1	D	4.5	4/44	45	1.38	1.10	.83	.77
95-TLE2141ID	TLE2141ID	SOP-8	1	D	4.5	4/44	45	1.50	1.20	.90	.84
95-OPA132U	OPA132U	SOIC-8	1	D	4.8	4.5/36	20	5.70	4.56	3.85	3.71
95-OPA132UA	OPA132UA	SOIC-8	1	D	4.8	4.5/36	20	3.26	2.61	2.03	1.93
95-OPA134PA	OPA134PA	PDIP-8	1	D	5	4.5/36	20	2.25	1.80	1.35	1.26
95-OPA134UA	OPA134UA	SOIC-8	1	D	5	4.5/36	20	2.25	1.80	1.35	1.26

TEXAS INSTRUMENTS Operational Amplifiers

OPERATIONAL AMPLIFIERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Available Channels	Iq per Channel (Max.) (mA)	Vs Min./Max. (V)	Slew Rate (typ) (V/μV)	Price Each			
								1	25	100	250
595-OPA134UAE4	OPA134UAE4	SOIC-8	1	D	5	4.5/36	20	2.16	1.94	1.75	1.58
595-OPA725AIDBVT	OPA725AIDBVT	SOP-5	1	D	5.5	4/12	30	2.50	2.20	2.00	1.80
595-OPA350EA/250	OPA350EA/250	VSSOP-8	1	D	7.5	2.7/5.5	22	2.25	1.80	1.50	1.40
595-OPA350UA	OPA350UA	SOIC-8	1	D	7.5	2.7/5.5	22	1.80	1.70	1.65	1.50
595-OPA353NA/250	OPA353NA/250	SOP-5	1	D	8	2.7/5.5	22	2.63	2.31	2.10	1.89
595-OPA544FKTTT	OPA544FKTTT	PFM-5	1	D	15	20/70	8	11.44	10.28	9.50	8.91
595-OPA544T	OPA544T	TO/SOT-5	1	D	15	20/70	8	11.41	10.28	9.11	8.73
595-TLV2211CDBVR	TLV2211CDBVR	SOT-23-5	1	S	0.025	2.7/10	0.025	.96	.86	.78	.70
595-TLV341AIDBVR	TLV341AIDBVR	SOP-6	1	S	0.15	1.5/5	1	.96	.80	.64	.48
595-TLV341IDBVT	TLV341IDBVT	SOP-6	1	S	0.15	1.5/5	1	1.26	1.05	.76	.67
595-TLV341IDCKR	TLV341IDCKR	SOP-6	1	S	0.15	1.5/5	1	.81	.68	.54	.41
595-LMV931IDBVR	LMV931IDBVR	SOP-5	1	S	0.185	1.8/5	0.35	.78	.65	.52	.39
595-LMV931IDCKR	LMV931IDCKR	SOP-5	1	S	0.185	1.8/5	0.35	.78	.65	.52	.39
595-LMV981IDBVR	LMV981IDBVR	SOP-6	1	S	0.185	1.8/5	0.35	.96	.80	.64	.48
595-LMV710IDBVR	LMV710IDBVR	SOP-5	1	S	1.7	2.7/5	5	.93	.78	.62	.47
595-OPA129U	OPA129U	SOIC-8	1	S	1.8	10/36	2.5	6.40	5.12	4.32	4.16
595-OPA177GP	OPA177GP	PDIP-8	1	S	2	6/36	0.3	1.90	1.52	1.14	1.06
595-OPA177GS	OPA177GS	SOIC-8	1	S	2	6/36	0.3	1.90	1.52	1.14	1.06
595-TL343IDBVR	TL343IDBVR	SOT-23-5	1	S	2.8	3/36	1	.48	.43	.39	.35
595-UA741CD	UA741CD	SOIC-8	1	S	2.8	7/36	0.5	.19	.17	.16	.14
595-UA741CP	UA741CP	DIP-8	1	S	2.8	7/36	0.5	.40	.32	.24	.17
595-OPA124U	OPA124U	SOIC-8	1	S	3.5	10/36	1.6	7.90	6.32	5.33	5.14
595-OPA27GP	OPA27GP	PDIP-8	1	S	4.7	8/44	1.9	2.45	1.96	1.53	1.45
595-OPA27GU	OPA27GU	SOIC-8	1	S	4.7	8/44	1.9	2.45	1.96	1.53	1.45
595-OPA445AP	OPA445AP	PDIP-8	1	S	4.7	20/90	15	9.50	7.60	6.41	6.18
595-OPA445AU	OPA445AU	SOIC-8	1	S	4.7	20/90	15	9.50	7.60	6.41	6.18
595-OP07CD	OP07CD	SOIC-8	1	S	5	6/36	0.3	.96	.80	.64	.48
595-OP07CDR	OP07CDR	SOIC-8	1	S	5	6/36	0.3	.96	.80	.64	.48
595-OP07CP	OP07CP	DIP-8	1	S	5	6/36	0.3	.96	.80	.64	.48
595-OP07DDR	OP07DDR	SOIC-8	1	S	5	6/36	0.3	.77	.69	.62	.56
595-OP07DP	OP07DP	DIP-8	1	S	5	6/36	0.3	.90	.75	.60	.45
595-TLE2037CD	TLE2037CD	SOP-8	1	S	5.3	8/38	7.5	2.25	1.80	1.35	1.26
595-OPA627AP	OPA627AP	PDIP-8	1	S	7.5	9/36	55	18.38	17.15	15.93	15.62
595-OPA627AU	OPA627AU	SOIC-8	1	S	7.5	9/36	55	18.38	17.15	15.93	15.62
595-OPA627BP	OPA627BP	PDIP-8	1	S	7.5	9/36	55	26.63	24.85	23.08	22.63
595-OPA637AP	OPA637AP	PDIP-8	1	S	7.5	9/36	135	18.38	17.15	15.93	15.68
595-OPA637AU	OPA637AU	SOIC-8	1	S	7.5	9/36	135	18.38	17.15	15.93	15.68
595-NE5534ADR	NE5534ADR	SOIC-8	1	S	8	10/30	13	.91	.82	.74	.67
595-NE5534AP	NE5534AP	DIP-8	1	S	8	10/30	13	1.14	.95	.76	.57
595-NE5534P	NE5534P	DIP-8	1	S	8	10/30	13	.96	.80	.64	.48
595-OPA551FAKTWT	OPA551FAKTWT	PFM-7	1	S	8.5	4/30	15	5.40	4.32	3.84	3.60
595-OPA551PA	OPA551PA	PDIP-8	1	S	8.5	4/30	15	3.94	3.15	2.45	2.33
595-OPA551UA	OPA551UA	SOIC-8	1	S	8.5	4/30	15	3.94	3.15	2.45	2.33
595-OPA552FAKTWT	OPA552FAKTWT	PFM-7	1	S	8.5	4/30	24	5.40	4.32	3.84	3.60
595-OPA552UA	OPA552UA	SOIC-8	1	S	8.5	4/30	24	3.94	3.15	2.45	2.33
595-LM318D	LM318D	SOP-8	1	S	10	10/40	70	1.20	1.00	.80	.60
595-LM318P	LM318P	DIP-8	1	S	10	10/40	70	1.20	1.00	.80	.60
595-OPA606KP	OPA606KP	PDIP-8	1	S	10	10/36	35	8.04	7.24	6.50	5.86
595-OPA547FKTWT	OPA547FKTWT	PFM-7	1	S	15	8/60	6	8.70	6.96	5.87	5.66
595-OPA547T	OPA547T	PFM-7	1	S	15	8/60	6	8.70	6.96	5.87	5.66
595-OPA548FKTWT	OPA548FKTWT	PFM-7	1	S	20	8/60	10	10.00	9.00	7.98	7.65
595-OPA548T	OPA548T	PFM-7	1	S	20	8/60	10	10.00	9.00	7.98	7.65
595-OPA541AP	OPA541AP	PFM-11	1	S	25	20/70	10	16.65	15.54	14.43	14.15
595-OPA549T	OPA549T	PFM-11	1	S	35	8/60	9	18.00	16.80	15.60	15.36
595-LMV341IDBVR	LMV341IDBVR	SOP-6	1		0.17	2.5/5.5	1	.80	.60	.45	.33
595-MC33078P	MC33078P	PDIP-8	2	-	2.5	10/36	7	.96	.72	.54	.40
595-OPA2134PA	OPA2134PA	PDIP-8	2	-	5	5/36	20	2.63	2.10	1.58	1.47
595-OPA2134UA	OPA2134UA	SOIC-8	2	-	5	5/36	20	2.36	1.89	1.47	1.40
595-OPA2365AID	OPA2365AID	SOIC-8	2	-	5	2.2/5.5	25	3.83	3.06	2.38	2.27
595-OPA2604AP	OPA2604AP	PDIP-8	2	-	6	9/48	25	4.28	3.42	2.66	2.53
595-OPA2604AU	OPA2604AU	SOIC-8	2	-	6	9/48	25	4.28	3.42	2.66	2.53
595-OPA2349EA/250	OPA2349EA/250	SSOP-8	2	D	0.002	1.8/5.5	0.02	2.43	2.11	1.90	1.69
595-OPA2349UA	OPA2349UA	SOIC-8	2	D	0.002	1.8/5.5	0.02	2.08	1.85	1.64	1.46
595-OPA2333AID	OPA2333AID	SOIC-8	2	D	0.017	1.8/5.5	0.16	3.60	3.24	2.91	2.63
595-TLC1078CP	TLC1078CP	DIP-8	2	D	0.017	1.4/16	0.032	4.93	3.94	3.07	2.91
595-TLC27L2ACD	TLC27L2ACD	SOP-8	2	D	0.017	3/16	0.03	.81	.68	.54	.41
595-TLC27L2ACP	TLC27L2ACP	DIP-8	2	D	0.017	3/16	0.03	.87	.73	.58	.44
595-TLC27L2AIDR	TLC27L2AIDR	SOIC-8	2	D	0.017	3/16	0.03	.67	.60	.54	.49
595-TLC27L2AIP	TLC27L2AIP	DIP-8	2	D	0.017	3/16	0.03	.67	.60	.54	.49
595-TLC27L2BCP	TLC27L2BCP	DIP-8	2	D	0.017	3/16	0.03	.84	.70	.56	.42
595-TLC27L2BIP	TLC27L2BIP	DIP-8	2	D	0.017	3/16	0.03	.87	.73	.58	.44
595-TLC27L2CD	TLC27L2CD	SOP-8	2	D	0.017	3/16	0.03	.75	.63	.50	.38
595-TLC27L2CP	TLC27L2CP	DIP-8	2	D	0.017	3/16	0.03	.75	.63	.50	.38
595-TLC27L2ID	TLC27L2ID	SOP-8	2	D	0.017	3/16	0.03	.81	.68	.54	.41
595-TLC27L2IDR	TLC27L2IDR	SOIC-8	2	D	0.017	3/16	0.03	.65	.58	.52	.47
595-TLC27L7IP	TLC27L7IP	DIP-8	2	D	0.017	3/16	0.03	1.82	1.64	1.47	1.33
595-OPA2241PA	OPA2241PA	PDIP-8	2	D	0.03	2.6/36	0.01	4.56	4.10	3.69	3.33
595-OPA2241UA	OPA2241UA	SOIC-8	2	D	0.03	2.6/36	0.01	4.28	3.42	2.66	2.53
595-OPA2347UA	OPA2347UA	SOIC-8	2	D	0.034	2.3/5.5	0.17	1.49	1.34	1.20	1.09
595-OPA2251UA	OPA2251UA	SOIC-8	2	D	0.038	2.7/36	0.01	4.39	3.51	2.73	2.59
595-TLC2252AID	TLC2252AID	SOP-8	2	D	0.0625	4.4/16	0.12	1.55	1.24	.93	.87
595-TLC2252AIP	TLC2252AIP	DIP-8	2	D	0.0625	4.4/16	0.12	1.55	1.24	.93	.87
595-TLC2252CD	TLC2252CD	SOP-8	2	D	0.0625	4.4/16	0.12	1.43	1.14	.86	.80
595-TLC2252ID	TLC2252ID	SOP-8	2	D	0.0625	4.4/16	0.12	1.55	1.24	.93	.87
595-TLV2252AIP	TLV2252AIP	DIP-8	2	D	0.0625	2.7/16	0.1	1.61	1.45	1.30	1.17
595-TLV2252IP	TLV2252IP	DIP-8	2	D	0.0625	2.7/16	0.1	1.55	1.24	.93	.87
595-OPA2348AID	OPA2348AID	SOIC-8	2	D	0.065	2.1/5.5	0.5	1.61	1.45	1.30	1.17
595-TL022CP	TL022CP	DIP-8	2	D	0.125	10/30	0.5	1.20	1.08	.97	.88

TEXAS INSTRUMENTS Operational Amplifiers

OPERATIONAL AMPLIFIERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Available Channels	Iq per Channel (Max.) (mA)	Vs Min./Max. (V)	Slew Rate (typ) (V/μV)	Price Each			
								1	25	100	250
595-LMV358IDR	LMV358IDR	SOIC-8	2	D	0.17	2.7/5.5	1	.48	.43	.39	.35
595-LMV358IPWR	LMV358IPWR	TSSOP-8	2	D	0.17	2.7/5.5	1	.53	.48	.43	.39
595-LMV932ID	LMV932ID	SOIC-8	2	D	0.185	1.8/5	0.35	.67	.60	.54	.49
595-LMV932IDGKR	LMV932IDGKR	VSSOP-8	2	D	0.185	1.8/5	0.35	.77	.69	.62	.56
595-LMV932IDR	LMV932IDR	SOIC-8	2	D	0.185	1.8/5	0.35	.84	.70	.56	.42
595-LMV982IDGSR	LMV982IDGSR	VSSOP-10	2	D	0.185	1.8/5	0.35	.86	.78	.70	.63
595-OPA2703UA	OPA2703UA	SOIC-8	2	D	0.2	4/12	0.6	4.84	3.87	3.01	2.86
595-OPA2342UA	OPA2342UA	SOIC-8	2	D	0.25	2.7/5.5	1	2.28	2.05	1.84	1.66
595-OPA2344UA	OPA2344UA	SOIC-8	2	D	0.25	2.7/5.5	1	2.74	2.46	2.21	2.00
595-TL062ACD	TL062ACD	SOP-8	2	D	0.25	7/36	3.5	.48	.43	.39	.35
595-TL062BCP	TL062BCP	DIP-8	2	D	0.25	7/36	3.5	1.14	.95	.76	.57
595-TL062CD	TL062CD	SOP-8	2	D	0.25	7/36	3.5	.64	.48	.36	.27
595-TL062CDR	TL062CDR	SOIC-8	2	D	0.25	7/36	3.5	.38	.35	.31	.28
595-TL062CP	TL062CP	DIP-8	2	D	0.25	7/36	3.5	.64	.48	.36	.27
595-TL062ID	TL062ID	SOP-8	2	D	0.25	7/36	3.5	.38	.35	.31	.28
595-TL062IDR	TL062IDR	SOIC-8	2	D	0.25	7/36	3.5	.38	.35	.31	.28
595-TLC2262AIP	TLC2262AIP	DIP-8	2	D	0.25	4.4/16	0.55	1.55	1.24	.93	.87
595-TLC2262CD	TLC2262CD	SOIC-8	2	D	0.25	4.4/16	0.55	1.43	1.14	.86	.80
595-TLC2262IP	TLC2262IP	DIP-8	2	D	0.25	4.4/16	0.55	1.55	1.24	.93	.87
595-TL032ACP	TL032ACP	DIP-8	2	D	0.28	10/30	5.1	2.13	1.70	1.28	1.19
595-TL032CD	TL032CD	SOP-8	2	D	0.28	10/30	5.1	1.08	.97	.87	.79
595-TL032CP	TL032CP	DIP-8	2	D	0.28	10/30	5.1	1.35	1.13	.90	.68
595-TL032ID	TL032ID	SOP-8	2	D	0.28	10/30	5.1	1.20	1.08	.97	.88
595-TLC27M2ACP	TLC27M2ACP	DIP-8	2	D	0.28	3/16	0.43	.65	.58	.52	.47
595-TLC27M7IP	TLC27M7IP	DIP-8	2	D	0.28	3/16	0.43	1.90	1.52	1.14	1.06
595-OPA2234U	OPA2234U	SOIC-8	2	D	0.3	2.7/36	0.2	5.26	4.73	4.25	3.83
595-OPA2234UA	OPA2234UA	SOIC-8	2	D	0.3	2.7/36	0.2	4.07	3.26	2.53	2.41
595-TLE2022ACD	TLE2022ACD	SOIC-8	2	D	0.3	4/40	0.5	2.52	2.27	2.04	1.84
595-TLE2022ACP	TLE2022ACP	DIP-8	2	D	0.3	4/40	0.5	2.36	1.89	1.47	1.40
595-TLE2022CD	TLE2022CD	SOP-8	2	D	0.3	4/40	0.5	1.88	1.50	1.13	1.05
595-TLE2022CP	TLE2022CP	DIP-8	2	D	0.3	4/40	0.5	1.88	1.50	1.13	1.05
595-TLE2022ID	TLE2022ID	SOP-8	2	D	0.3	4/40	0.5	2.00	1.60	1.20	1.12
595-TLE2022IP	TLE2022IP	DIP-8	2	D	0.3	4/40	0.5	2.00	1.60	1.20	1.12
595-TLE2062CD	TLE2062CD	SOP-8	2	D	0.345	7/36	3.4	2.40	2.16	1.94	1.75
595-TLE2062CP	TLE2062CP	DIP-8	2	D	0.345	7/36	3.4	2.25	1.80	1.40	1.33
595-TLE2062IP	TLE2062IP	DIP-8	2	D	0.345	7/36	3.4	2.48	1.98	1.54	1.46
595-OPA2237UA	OPA2237UA	SOIC-8	2	D	0.35	2.7/36	0.5	2.25	1.80	1.35	1.26
595-OPA2335AIDGKT	OPA2335AIDGKT	VSSOP-8	2	D	0.35	2.7/5.5	1.6	4.38	3.85	3.50	3.15
595-OPA2335AIDR	OPA2335AIDR	SOIC-8	2	D	0.35	2.7/5.5	1.6	3.84	3.46	3.10	2.80
595-LMV822DR	LMV822DR	SOIC-8	2	D	0.4	2.7/5.5	2.5	.78	.65	.52	.39
595-LT1013CP	LT1013CP	DIP-8	2	D	0.55	4/44	0.4	1.40	1.12	.84	.78
595-LT1013DD	LT1013DD	SOP-8	2	D	0.55	4/44	0.4	1.55	1.24	.93	.87
595-LT1013DDR	LT1013DDR	SOIC-8	2	D	0.55	4/44	0.4	1.49	1.34	1.20	1.09
595-LT1013DIDR	LT1013DIDR	SOIC-8	2	D	0.55	4/44	0.4	1.56	1.40	1.26	1.14
595-LT1013DP	LT1013DP	DIP-8	2	D	0.55	4/44	0.4	1.55	1.24	.93	.87
595-TLV2462CDR	TLV2462CDR	SOIC-8	2	D	0.575	2.7/6	1.6	1.82	1.64	1.47	1.33
595-TLV2462CP	TLV2462CP	DIP-8	2	D	0.575	2.7/6	1.6	1.90	1.52	1.14	1.06
595-TLV2462ID	TLV2462ID	SOP-8	2	D	0.575	2.7/6	1.6	2.03	1.62	1.22	1.13
595-LM258D	LM258D	SOIC-8	2	D	0.6	3/32	0.3	.26	.24	.21	.19
595-LM258DR	LM258DR	SOIC-8	2	D	0.6	3/32	0.3	.26	.24	.21	.19
595-LM258P	LM258P	DIP-8	2	D	0.6	3/32	0.3	.26	.24	.21	.19
595-LM2904D	LM2904D	SOIC-8	2	D	0.6	3/26	0.3	.50	.40	.30	.21
595-LM2904DR	LM2904DR	SOIC-8	2	D	0.6	3/26	0.3	.50	.40	.30	.21
595-LM2904P	LM2904P	DIP-8	2	D	0.6	3/26	0.3	.50	.40	.30	.21
595-LM358AD	LM358AD	SOP-8	2	D	0.6	3/32	0.3	.50	.40	.30	.21
595-LM358ADR	LM358ADR	SOIC-8	2	D	0.6	3/32	0.3	.24	.22	.19	.18
595-LM358AP	LM358AP	DIP-8	2	D	0.6	3/32	0.3	.50	.40	.30	.21
595-LM358D	LM358D	SOP-8	2	D	0.6	3/32	0.3	.45	.36	.27	.19
595-LM358DR	LM358DR	SOIC-8	2	D	0.6	3/32	0.3	.22	.19	.17	.16
595-LM358P	LM358P	DIP-8	2	D	0.6	3/32	0.3	.45	.36	.27	.19
595-LM358PSR	LM358PSR	SOP-8	2	D	0.6	3/32	0.3	.22	.19	.17	.16
595-LM358PWR	LM358PWR	TSSOP-8	2	D	0.6	3/32	0.3	.22	.19	.17	.16
595-OPA2130UA	OPA2130UA	SOIC-8	2	D	0.65	4.5/36	2	5.06	4.05	3.15	2.99
595-TLV2372ID	TLV2372ID	SOIC-8	2	D	0.66	2.7/15	2.4	1.30	1.04	.78	.73
595-TLV2372IDR	TLV2372IDR	SOIC-8	2	D	0.66	2.7/15	2.4	1.30	1.04	.78	.73
595-TLV2372IP	TLV2372IP	DIP-8	2	D	0.66	2.7/15	2.4	1.30	1.04	.78	.73
595-TLV272IDR	TLV272IDR	SOIC-8	2	D	0.66	2.7/15	2.4	.96	.80	.64	.48
595-OPA2364AIDR	OPA2364AIDR	SOIC-8	2	D	0.75	1.8/5.5	5	2.28	2.05	1.84	1.66
595-OPA2735AIDGKT	OPA2735AIDGKT	VSSOP-8	2	D	0.75	2.7/12	1.5	5.50	4.84	4.40	3.96
595-TLV2472AID	TLV2472AID	SOP-8	2	D	0.75	2.7/6	1.4	2.15	1.72	1.29	1.20
595-TLV2472IP	TLV2472IP	DIP-8	2	D	0.75	2.7/6	1.4	2.03	1.62	1.22	1.13
595-OPA2277P	OPA2277P	PDIP-8	2	D	0.825	4/36	0.8	8.21	7.39	6.63	5.99
595-OPA2277PA	OPA2277PA	PDIP-8	2	D	0.825	4/36	0.8	3.53	2.83	2.20	2.09
595-OPA2277U	OPA2277U	SOIC-8	2	D	0.825	4/36	0.8	6.84	5.47	4.62	4.45
595-OPA2277UA	OPA2277UA	SO-8	2	D	0.825	4/36	0.8	3.53	2.83	2.20	2.09
595-OPA2340EA/250	OPA2340EA/250	VSSOP-8	2	D	0.95	2.7/5.5	6	3.33	2.93	2.66	2.39
595-OPA2340PA	OPA2340PA	PDIP-8	2	D	0.95	2.7/5.5	6	2.79	2.23	1.74	1.65
595-OPA2340UA	OPA2340UA	SOIC-8	2	D	0.95	2.7/5.5	6	2.79	2.23	1.74	1.65
595-OPA2337UA	OPA2337UA	SOIC-8	2	D	1	2.7/5.5	1.2	1.44	1.30	1.16	1.05
595-TLC2202ACD	TLC2202ACD	SOP-14	2	D	1.3	4.6/16	2.5	5.24	4.19	3.26	3.10
595-TLC2202IP	TLC2202IP	DIP-8	2	D	1.3	4.6/16	2.5	5.24	4.19	3.26	3.10
595-TLC2272ACDR	TLC2272ACDR	SOIC-8	2	D	1.5	4.4/16	3.6	1.55	1.24	.93	.87
595-TLC2272ACP	TLC2272ACP	DIP-8	2	D	1.5	4.4/16	3.6	1.55	1.24	.93	.87
595-TLC2272AID	TLC2272AID	SOP-8	2	D	1.5	4.4/16	3.6	1.68	1.34	1.01	.94
595-TLC2272AIDR	TLC2272AIDR	SOIC-8	2	D	1.5	4.4/16	3.6	1.61	1.45	1.30	1.17
595-TLC2272AIP	TLC2272AIP	DIP-8	2	D	1.5	4.4/16	3.6	1.68	1.34	1.01	.94
595-TLC2272AMD	TLC2272AMD	SOP-8	2	D	1.5	4.4/16	3.6	1.90	1.52	1.14	1.06
595-TLC2272AQDRQ1	TLC2272AQDRQ1	SOIC-8	2	D	1.5	4.4/16	3.6	1.78	1.42	1.07	1.00

OPERATIONAL AMPLIFIERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Available Channels	Iq per Channel (Max.) (mA)	Vs Min./Max. (V)	Slew Rate (typ) (V/μV)	Price Each			
								1	25	100	250
595-TLC2272CD	TLC2272CD	SOP-8	2	D	1.5	4.4/16	3.6	1.43	1.14	.86	.80
595-TLC2272CDR	TLC2272CDR	SOIC-8	2	D	1.5	4.4/16	3.6	1.43	1.14	.86	.80
595-TLC2272CP	TLC2272CP	DIP-8	2	D	1.5	4.4/16	3.6	1.43	1.14	.86	.80
595-TLC2272ID	TLC2272ID	SOP-8	2	D	1.5	4.4/16	3.6	1.55	1.24	.93	.87
595-TLC2272IP	TLC2272IP	DIP-8	2	D	1.5	4.4/16	3.6	1.55	1.24	.93	.87
595-TLC272ACD	TLC272ACD	SOP-8	2	D	1.6	3/16	3.6	.92	.69	.52	.38
595-TLC272ACP	TLC272ACP	DIP-8	2	D	1.6	3/16	3.6	.92	.69	.52	.38
595-TLC272BCD	TLC272BCD	SOP-8	2	D	1.6	3/16	3.6	.96	.72	.54	.40
595-TLC272CD	TLC272CD	SOP-8	2	D	1.6	3/16	3.6	.87	.73	.58	.44
595-TLC272CP	TLC272CP	DIP-8	2	D	1.6	3/16	3.6	.88	.66	.50	.37
595-TLC272IDR	TLC272IDR	SOIC-8	2	D	1.6	3/16	3.6	.55	.50	.45	.40
595-TLC272IP	TLC272IP	DIP-8	2	D	1.6	3/16	3.6	.92	.69	.52	.38
595-TLC277IP	TLC277IP	DIP-8	2	D	1.6	3/16	3.6	1.90	1.52	1.14	1.06
595-OPA2131UA	OPA2131UA	SOIC-8	2	D	1.75	9/36	10	4.05	3.24	2.52	2.39
595-OPA2131UA/2K5	OPA2131UA/2K5	SOIC-8	2	D	1.75	9/36	10	4.32	3.89	3.49	3.15
595-OPA2131UJ	OPA2131UJ	SOIC-8	2	D	1.75	9/36	10	3.04	2.43	1.89	1.80
595-TLE2072AID	TLE2072AID	SOP-8	2	D	1.8	4.5/38	45	2.93	2.34	1.82	1.73
595-TLE2072CD	TLE2072CD	SOP-8	2	D	1.8	4.5/38	45	2.40	2.16	1.94	1.75
595-TLE2072CP	TLE2072CP	DIP-8	2	D	1.8	4.5/38	45	2.25	1.80	1.40	1.33
595-TLE2082AIP	TLE2082AIP	DIP-8	2	D	1.8	4.5/38	45	2.48	1.98	1.54	1.46
595-TLE2082CD	TLE2082CD	SOP-8	2	D	1.8	4.5/38	45	2.25	1.80	1.35	1.26
595-TLE2082CP	TLE2082CP	DIP-8	2	D	1.8	4.5/38	45	2.25	1.80	1.35	1.26
595-OPA2107AU	OPA2107AU	SOIC-8	2	D	2.5	9/36	18	12.25	11.03	9.78	9.37
595-TL072ACD	TL072ACD	SOP-8	2	D	2.5	7/36	13	.80	.60	.45	.33
595-TL072ACDR	TL072ACDR	SOIC-8	2	D	2.5	7/36	13	.48	.43	.39	.35
595-TL072ACP	TL072ACP	DIP-8	2	D	2.5	7/36	13	.80	.60	.45	.33
595-TL072BCD	TL072BCD	SOP-8	2	D	2.5	7/36	13	.84	.70	.56	.42
595-TL072BCDR	TL072BCDR	SOIC-8	2	D	2.5	7/36	13	.67	.60	.54	.49
595-TL072BCP	TL072BCP	DIP-8	2	D	2.5	7/36	13	.84	.70	.56	.42
595-TL072CD	TL072CD	SOP-8	2	D	2.5	7/36	13	.64	.48	.36	.27
595-TL072CDR	TL072CDR	SOIC-8	2	D	2.5	7/36	13	.64	.48	.36	.27
595-TL072CP	TL072CP	DIP-8	2	D	2.5	7/36	13	.64	.48	.36	.27
595-TL072ID	TL072ID	SOP-8	2	D	2.5	7/36	13	.64	.48	.36	.27
595-TL072IP	TL072IP	PDIP-8	2	D	2.5	7/36	13	.64	.48	.36	.27
595-TLC082CD	TLC082CD	SOP-8	2	D	2.5	4.5/16	16	1.68	1.34	1.01	.94
595-TLC082CP	TLC082CP	DIP-8	2	D	2.5	4.5/16	16	1.68	1.34	1.01	.94
595-MC1458D	MC1458D	SOP-8	2	D	2.8	10/30	0.5	.55	.44	.33	.23
595-MC1458P	MC1458P	DIP-8	2	D	2.8	10/30	0.5	.55	.44	.33	.23
595-RC4558D	RC4558D	SOP-8	2	D	2.8	10/30	1.7	.46	.37	.25	.19
595-RC4558P	RC4558P	DIP-8	2	D	2.8	10/30	1.7	.46	.37	.25	.19
595-RC4559P	RC4559P	DIP-8	2	D	2.8	10/30	2	.92	.69	.52	.38
595-TL052AID	TL052AID	SOIC-8	2	D	2.8	10/30	20.7	4.75	4.28	3.85	3.46
595-TL052CD	TL052CD	SOP-8	2	D	2.8	10/30	20.7	1.75	1.40	1.05	.98
595-TL052CP	TL052CP	DIP-8	2	D	2.8	10/30	20.7	1.75	1.40	1.05	.98
595-TL082ACD	TL082ACD	SOP-8	2	D	2.8	7/36	13	.80	.60	.45	.33
595-TL082ACDR	TL082ACDR	SOIC-8	2	D	2.8	7/36	13	.48	.43	.39	.35
595-TL082ACP	TL082ACP	DIP-8	2	D	2.8	7/36	13	.80	.60	.45	.33
595-TL082BCD	TL082BCD	SOP-8	2	D	2.8	7/36	13	.84	.70	.56	.42
595-TL082BCP	TL082BCP	DIP-8	2	D	2.8	7/36	13	.84	.70	.56	.42
595-TL082CD	TL082CD	SOP-8	2	D	2.8	7/36	13	.64	.48	.36	.27
595-TL082CDR	TL082CDR	SOIC-8	2	D	2.8	7/36	13	.38	.35	.31	.28
595-TL082CP	TL082CP	DIP-8	2	D	2.8	7/36	13	.64	.48	.36	.27
595-TL082ID	TL082ID	SOP-8	2	D	2.8	7/36	13	.64	.48	.36	.27
595-TL082IDR	TL082IDR	SOIC-8	2	D	2.8	7/36	13	.38	.35	.31	.28
595-UA747CN	UA747CN	DIP-14	2	D	2.8	7/36	0.5	.77	.69	.62	.56
595-OPA2379AID	OPA2379AID	SOIC-8	2	D	2.9	1.8/5.5	0.03	2.64	2.38	2.13	1.93
595-LF353D	LF353D	SOP-8	2	D	3.25	7/36	13	.48	.36	.27	.20
595-LF353DR	LF353DR	SOIC-8	2	D	3.25	7/36	13	.29	.26	.23	.21
595-LF353P	LF353P	DIP-8	2	D	3.25	7/36	13	.53	.40	.30	.22
595-LF412CD	LF412CD	SOP-8	2	D	3.4	7/36	13	1.14	.95	.76	.57
595-LF412CP	LF412CP	DIP-8	2	D	3.4	7/36	13	1.14	.95	.76	.57
595-OPA2227P	OPA2227P	PDIP-8	2	D	3.8	5/36	2	7.06	6.08	5.13	4.94
595-OPA2227PA	OPA2227PA	PDIP-8	2	D	3.8	5/36	2	3.96	3.17	2.46	2.34
595-OPA2227UA	OPA2227UA	SOIC-8	2	D	3.8	5/36	2	3.96	3.17	2.46	2.34
595-OPA2228P	OPA2228P	PDIP-8	2	D	3.8	5/36	10	9.12	8.21	7.37	6.65
595-NE5532ADR	NE5532ADR	SOIC-8	2	D	4	10/30	9	.67	.60	.54	.49
595-NE5532AP	NE5532AP	DIP-8	2	D	4	10/30	9	.84	.70	.56	.42
595-NE5532DR	NE5532DR	SOIC-8	2	D	4	10/30	9	.61	.55	.50	.45
595-NE5532P	NE5532P	DIP-8	2	D	4	10/30	9	.80	.60	.45	.33
595-OPA2111KP	OPA2111KP	PDIP-8	2	D	4.5	10/36	2	18.48	16.63	14.94	13.48
595-TL3472CD	TL3472CD	SOP-8	2	D	4.5	4/36	13	.60	.45	.34	.25
595-TL3472CP	TL3472CP	DIP-8	2	D	4.5	4/36	13	.60	.45	.34	.25
595-TLE2142ACD	TLE2142ACD	SOP-8	2	D	4.5	4/44	45	3.26	2.61	2.03	1.93
595-TLE2142CD	TLE2142CD	SOP-8	2	D	4.5	4/44	45	2.13	1.70	1.28	1.19
595-TLE2142CP	TLE2142CP	DIP-8	2	D	4.5	4/44	45	2.13	1.70	1.28	1.19
595-TLE2142ID	TLE2142ID	SOP-8	2	D	4.5	4/44	45	2.28	2.05	1.84	1.66
595-TLE2142MD	TLE2142MD	SOP-8	2	D	4.5	4/44	45	2.76	2.48	2.23	2.01
595-OPA2132P	OPA2132P	PDIP-8	2	D	4.8	5/36	20	8.41	7.58	6.72	6.44
595-OPA2132PA	OPA2132PA	PDIP-8	2	D	4.8	5/36	20	5.40	4.32	3.36	3.19
595-OPA2132U	OPA2132U	SOIC-8	2	D	4.8	5/36	20	8.41	7.58	6.72	6.44
595-OPA2132UA	OPA2132UA	SOIC-8	2	D	4.8	5/36	20	5.40	4.32	3.36	3.19
595-OPA2350EA/250	OPA2350EA/250	VSSOP-8	2	D	7.5	2.7/5.5	22	5.58	4.91	4.46	4.01
595-OPA2350PA	OPA2350PA	PDIP-8	2	D	7.5	2.7/5.5	22	4.59	3.67	2.86	2.71
595-OPA2350UA	OPA2350UA	SOIC-8	2	D	7.5	2.7/5.5	22	4.59	3.67	2.86	2.71
595-OPA2353UA	OPA2353UA	SOIC-8	2	D	8	2.7/5.5	22	3.65	2.92	2.27	2.15
595-OPA2544T	OPA2544T	PFM-11	2	D	30	20/70	8	18.00	16.80	15.60	15.36
595-LMV342ID	LMV342ID	SOIC-8	2	-	0.17	2.5/5.5	1	.53	.48	.43	.39
595-LMV342IDGKR	LMV342IDGKR	VSSOP-8	2	-	0.17	2.5/5.5	1	.60	.54	.49	.44

OPERATIONAL AMPLIFIERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Available Channels	Iq per Channel (Max.) (mA)	Vs Min./Max. (V)	Slew Rate (typ) (V/µV)	Price Each			
								1	25	100	250
595-OPA3875IDBQ	OPA3875IDBQ	SSOP-16	3	-	11.3	±3/±6.3	3100	6.38	5.61	5.10	4.59
595-OPA4134UA	OPA4134UA	SOIC-14	4	-	5	5/36	20	3.74	2.99	2.32	2.21
595-TLV2404CD	TLV2404CD	SOP-14	4	D	0.00095	2.5/16	0.0025	2.99	2.39	1.86	1.77
595-LPV324IDR	LPV324IDR	SOIC-14	4	D	0.0105	2.7/5.5	0.1	.88	.66	.50	.47
595-TLC27L4ACD	TLC27L4ACD	SOIC-14	4	D	0.017	3/16	0.03	.96	.80	.64	.48
595-TLC27L4AIN	TLC27L4AIN	DIP-14	4	D	0.017	3/16	0.03	1.02	.85	.68	.51
595-TLC27L4BCD	TLC27L4BCD	SOIC-14	4	D	0.017	3/16	0.03	1.02	.85	.68	.51
595-TLC27L4BCN	TLC27L4BCN	DIP-14	4	D	0.017	3/16	0.03	1.02	.85	.68	.51
595-TLC27L4CN	TLC27L4CN	DIP-14	4	D	0.017	3/16	0.03	.90	.75	.60	.45
595-OPA4336EA/250	OPA4336EA/250	SSOP-16	4	D	0.032	2.3/5	0.03	4.75	4.18	3.80	3.42
595-TLC2254AIN	TLC2254AIN	DIP-14	4	D	0.0625	4.4/16	0.12	1.90	1.52	1.14	1.06
595-LMV324IDR	LMV324IDR	SOP-14	4	D	0.17	2.7/5.5	1	.48	.43	.39	.35
595-LMV324IPWR	LMV324IPWR	TSSOP-14	4	D	0.17	2.7/5.5	1	.53	.48	.43	.39
595-TL064ACD	TL064ACD	SOP-14	4	D	0.25	7/36	3.5	.75	.63	.50	.38
595-TL064CD	TL064CD	SOP-14	4	D	0.25	7/36	3.5	.80	.60	.45	.33
595-TL064CN	TL064CN	DIP-14	4	D	0.25	7/36	3.5	.80	.60	.45	.33
595-TL064CPWR	TL064CPWR	TSSOP-14	4	D	0.25	7/36	3.5	.48	.43	.39	.35
595-TL064ID	TL064ID	SOP-14	4	D	0.25	7/36	3.5	.48	.43	.39	.35
595-TL064IN	TL064IN	DIP-14	4	D	0.25	7/36	3.5	.80	.60	.45	.33
595-TLC2264CD	TLC2264CD	SOP-14	4	D	0.25	4.4/16	0.55	1.78	1.42	1.07	.99
595-TLV2264AID	TLV2264AID	SOP-14	4	D	0.25	2.7/16	0.55	2.57	2.05	1.60	1.52
595-TLV2264AIN	TLV2264AIN	DIP-14	4	D	0.25	2.7/16	0.55	2.57	2.05	1.60	1.52
595-TL034CD	TL034CD	SOP-14	4	D	0.28	10/30	5.1	1.25	1.00	.75	.70
595-TLC27M4ACD	TLC27M4ACD	SOP-14	4	D	0.28	3/16	0.43	.96	.80	.64	.48
595-TLC27M4CN	TLC27M4CN	DIP-14	4	D	0.28	3/16	0.43	.90	.75	.60	.45
595-OPA4234UA	OPA4234UA	SOIC-14	4	D	0.3	2.7/36	0.2	6.56	5.25	4.43	4.26
595-LMV824DR	LMV824DR	SOIC-14	4	D	0.325	2.7/5.5	1.9	.96	.80	.64	.48
595-TLE2064ACD	TLE2064ACD	SOP-14	4	D	0.35	7/36	3.4	5.29	4.23	3.29	3.13
595-TLE2064AID	TLE2064AID	SOP-14	4	D	0.35	7/36	3.4	6.00	5.40	4.85	4.38
595-TLE2064AMD	TLE2064AMD	SOP-14	4	D	0.35	7/36	3.4	5.70	4.56	3.85	3.71
595-TLE2064CN	TLE2064CN	DIP-14	4	D	0.35	7/36	3.4	3.71	2.97	2.31	2.19
595-TLV2464CD	TLV2464CD	SOP-14	4	D	0.575	2.7/6	1.6	2.25	1.80	1.40	1.33
595-TLV2464CDR	TLV2464CDR	SOIC-14	4	D	0.575	2.7/6	1.6	2.40	2.16	1.94	1.75
595-TLV2464CN	TLV2464CN	DIP-14	4	D	0.575	2.7/6	1.6	2.25	1.80	1.40	1.33
595-TLV2464ID	TLV2464ID	SOP-14	4	D	0.575	2.7/6	1.6	2.36	1.89	1.47	1.40
595-TLV2464IN	TLV2464IN	DIP-14	4	D	0.575	2.7/6	1.6	2.36	1.89	1.47	1.40
595-OPA4130UA	OPA4130UA	SOIC-14	4	D	0.65	4.5/36	2	6.90	5.52	4.66	4.49
595-TLV2374ID	TLV2374ID	SOIC-14	4	D	0.66	2.7/15	2.4	1.49	1.34	1.20	1.09
595-TLV2374IDR	TLV2374IDR	SOIC-14	4	D	0.66	2.7/15	2.4	1.55	1.24	.93	.87
595-TLV2374IPWR	TLV2374IPWR	TSSOP-14	4	D	0.66	2.7/15	2.4	1.55	1.24	.93	.87
595-TLV274IDR	TLV274IDR	SOIC-14	4	D	0.66	2.7/15	2.4	.91	.82	.74	.67
595-TLV274IN	TLV274IN	DIP-14	4	D	0.66	2.7/15	2.4	1.14	.95	.76	.57
595-OPA4364AID	OPA4364AID	SOIC-14	4	D	0.75	1.8/5.5	5	3.15	2.52	1.96	1.86
595-OPA4364AIPWT	OPA4364AIPWT	TSSOP-14	4	D	0.75	1.8/5.5	5	3.88	3.41	3.10	2.79
595-OPA4277PA	OPA4277PA	PDIP-14	4	D	0.8	4/36	0.8	7.32	5.86	4.94	4.76
595-OPA4277UA	OPA4277UA	SOIC-14	4	D	0.8	4/36	0.8	7.32	5.86	4.94	4.76
595-TLC2274AID	TLC2274AID	SOP-14	4	D	1.5	4.4/16	3.6	1.90	1.52	1.14	1.06
595-TLC2274CD	TLC2274CD	SOIC-14	4	D	1.5	4.4/16	3.6	1.78	1.42	1.07	.99
595-TLC2274CN	TLC2274CN	DIP-14	4	D	1.5	4.4/16	3.6	1.78	1.42	1.07	.99
595-TLC2274ID	TLC2274ID	SOP-14	4	D	1.5	4.4/16	3.6	1.78	1.42	1.07	.99
595-TLC2274IN	TLC2274IN	DIP-14	4	D	1.5	4.4/16	3.6	1.78	1.42	1.07	.99
595-TLC274ACN	TLC274ACN	DIP-14	4	D	1.6	3/16	3.6	.87	.73	.58	.44
595-TLC274CD	TLC274CD	SOP-14	4	D	1.6	3/16	3.6	.81	.68	.54	.41
595-TLC274CDR	TLC274CDR	SOIC-14	4	D	1.6	3/16	3.6	.65	.58	.52	.47
595-TLC274CN	TLC274CN	DIP-14	4	D	1.6	3/16	3.6	.81	.68	.54	.41
595-TLE2074ACDW	TLE2074ACDW	SOP-16	4	D	1.875	4.5/38	45	5.28	4.75	4.27	3.85
595-TLE2084ACDW	TLE2084ACDW	SOP-16	4	D	1.875	4.5/38	45	4.50	3.60	2.80	2.66
595-TLE2084CDW	TLE2084CDW	SOP-16	4	D	1.875	4.5/38	45	3.94	3.15	2.45	2.33
595-TLE2084CN	TLE2084CN	DIP-14	4	D	1.875	4.5/38	45	3.94	3.15	2.45	2.33
595-TL074ACD	TL074ACD	SOP-14	4	D	2.5	7/36	13	.96	.72	.54	.40
595-TL074ACDR	TL074ACDR	SOIC-14	4	D	2.5	7/36	13	.58	.52	.47	.42
595-TL074ACN	TL074ACN	DIP-14	4	D	2.5	7/36	13	.96	.72	.54	.40
595-TL074BCD	TL074BCD	SOP-14	4	D	2.5	7/36	13	.84	.70	.56	.42
595-TL074BCN	TL074BCN	DIP-14	4	D	2.5	7/36	13	.84	.70	.56	.42
595-TL074CD	TL074CD	SOP-14	4	D	2.5	7/36	13	.76	.57	.43	.31
595-TL074CDR	TL074CDR	SOIC-14	4	D	2.5	7/36	13	.46	.41	.37	.33
595-TL074CN	TL074CN	DIP-14	4	D	2.5	7/36	13	.77	.61	.51	.39
595-TL074ID	TL074ID	SOP-14	4	D	2.5	7/36	13	.80	.60	.45	.33
595-TL074IDR	TL074IDR	SOIC-14	4	D	2.5	7/36	13	.48	.43	.39	.35
595-TLC074AIN	TLC074AIN	DIP-14	4	D	2.5	4.5/16	16	2.25	1.80	1.40	1.33
595-TLC074CN	TLC074CN	DIP-14	4	D	2.5	4.5/16	16	2.25	1.80	1.40	1.33
595-TLC084AIN	TLC084AIN	DIP-14	4	D	2.5	4.5/16	16	2.25	1.80	1.40	1.33
595-TLC084CD	TLC084CD	SOP-14	4	D	2.5	4.5/16	16	2.25	1.80	1.35	1.26
595-TLC084CN	TLC084CN	DIP-14	4	D	2.5	4.5/16	16	2.25	1.80	1.35	1.26
595-TL054CD	TL054CD	SOP-14	4	D	2.8	10/30	17.8	1.80	1.44	1.08	1.01
595-TL084ACD	TL084ACD	SOIC-14	4	D	2.8	7/36	13	.88	.66	.50	.37
595-TL084ACN	TL084ACN	DIP-14	4	D	2.8	7/36	13	.88	.66	.50	.37
595-TL084BCD	TL084BCD	SOIC-14	4	D	2.8	7/36	13	.77	.69	.62	.56
595-TL084BCN	TL084BCN	DIP-14	4	D	2.8	7/36	13	.96	.80	.64	.48
595-TL084CD	TL084CD	SOP-14	4	D	2.8	7/36	13	.48	.43	.39	.35
595-TL084CDR	TL084CDR	SOIC-14	4	D	2.8	7/36	13	.76	.57	.43	.32
595-TL084CN	TL084CN	DIP-14	4	D	2.8	7/36	13	.76	.57	.43	.32
595-TL084CPWR	TL084CPWR	TSSOP-14	4	D	2.8	7/36	13	.48	.43	.39	.35
595-TL084ID	TL084ID	SOP-14	4	D	2.8	7/36	13	.88	.66	.50	.37
595-TL084IDR	TL084IDR	SOIC-14	4	D	2.8	7/36	13	.53	.48	.43	.39
595-TL084IN	TL084IN	DIP-14	4	D	2.8	7/36	13	.88	.66	.50	.37
595-OPA4227PA	OPA4227PA	PDIP-14	4	D	3.8	5/36	2	7.70	6.16	5.20	5.01
595-OPA4227UA	OPA4227UA	SOIC-14	4	D	3.8	5/36	2	7.70	6.16	5.20	5.01

TEXAS INSTRUMENTS Amplifiers

OPERATIONAL AMPLIFIERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Available Channels	Iq per Channel (Max.) (mA)	Vs Min./Max. (V)	Slew Rate (typ) (V/μV)	Price Each			
								1	25	100	250
595-TL3474CPW	TL3474CPW	TSSOP-14	4	D	4.5	4/36	13	.89	.80	.72	.65
595-TLE2144ACN	TLE2144ACN	DIP-14	4	D	4.5	4/44	45	4.50	3.60	2.80	2.66
595-OPA4132UA	OPA4132UA	SOIC-14	4	D	4.8	5/36	20	9.10	7.28	6.14	5.92
595-OPA4350UA	OPA4350UA	SOIC-14	4	D	7.5	2.7/5.5	22	7.80	6.24	5.27	5.07
595-TLC1079CN	TLC1079CN	DIP-14	4	Q	0.017	1.4/16	0.032	6.08	4.86	4.10	3.95
595-TLC27L9CD	TLC27L9CD	SOIC-14	4	Q	0.017	3/16	0.03	2.25	1.80	1.40	1.33
595-LP324N	LP324N	PDIP-14	4	Q	0.037	3/32	0.05	.60	.45	.34	.25
595-LM224D	LM224D	SOIC-14	4	Q	0.3	3/32	0.5	.55	.44	.33	.23
595-LM224DR	LM224DR	SOIC-14	4	Q	0.3	3/32	0.5	.26	.24	.21	.19
595-LM224N	LM224N	DIP-14	4	Q	0.3	3/32	0.5	.55	.44	.33	.23
595-LM2902D	LM2902D	SOP-14	4	Q	0.3	3/26	0.5	.24	.22	.19	.18
595-LM2902N	LM2902N	DIP-14	4	Q	0.3	3/26	0.5	.24	.22	.19	.18
595-LM2902PWR	LM2902PWR	TSSOP-14	4	Q	0.3	3/26	0.5	.24	.22	.19	.18
595-LM324AD	LM324AD	SOP-14	4	Q	0.3	3/32	0.5	.50	.40	.30	.21
595-LM324ADR	LM324ADR	SOIC-14	4	Q	0.3	3/32	0.5	.24	.22	.19	.18
595-LM324AN	LM324AN	DIP-14	4	Q	0.3	3/32	0.5	.50	.40	.30	.21
595-LM324APWR	LM324APWR	TSSOP-14	4	Q	0.3	3/32	0.5	.24	.22	.19	.18
595-LM324D	LM324D	SOP-14	4	Q	0.3	3/32	0.5	.45	.36	.27	.19
595-LM324DR	LM324DR	SOIC-14	4	Q	0.3	3/32	0.5	.45	.36	.27	.19
595-LM324N	LM324N	DIP-14	4	Q	0.3	3/32	0.5	.45	.36	.27	.19
595-LM324PWR	LM324PWR	TSSOP-14	4	Q	0.3	3/32	0.5	.22	.19	.17	.16
595-LT1014CN	LT1014CN	PDIP-14	4	Q	0.55	5/44	0.4	4.28	3.42	2.66	2.53
595-LT1014DIDW	LT1014DIDW	SOIC-16	4	Q	0.55	5/44	0.4	4.95	3.96	3.08	2.93
595-LT1014DN	LT1014DN	DIP-14	4	Q	0.55	5/44	0.4	4.28	3.42	2.66	2.53
595-LM348DR	LM348DR	SOIC-14	4	Q	1.125	8/36	0.5	.28	.25	.22	.20
595-LM348N	LM348N	DIP-14	4	Q	1.125	8/36	0.5	.45	.36	.27	.19
595-TLC279CN	TLC279CN	DIP-14	4	Q	1.6	3/16	3.6	2.25	1.80	1.40	1.33
595-MC3303N	MC3303N	DIP-14	4	Q	1.75	5/30	0.6	.76	.57	.43	.32
595-MC3403D	MC3403D	SOP-14	4	Q	1.75	5/30	0.6	.76	.57	.43	.32
595-MC3403N	MC3403N	DIP-14	4	Q	1.75	5/30	0.6	.76	.57	.43	.32
595-LM3900D	LM3900D	SOP-14	4	Q	2.5	4.5/32	20	.96	.80	.64	.48
595-LM3900DR	LM3900DR	SOIC-14	4	Q	2.5	4.5/32	20	.96	.80	.64	.48
595-LM3900N	LM3900N	DIP-14	4	Q	2.5	4.5/32	20	.96	.80	.64	.48
595-LF347DR	LF347DR	SOIC-14	4	Q	2.75	7/36	13	.41	.37	.33	.30
595-LF347N	LF347N	DIP-14	4	Q	2.75	7/36	13	.68	.51	.38	.34
595-RC4136N	RC4136N	DIP-14	4	Q	2.825	10/30	1.7	1.20	1.00	.80	.60
595-LMV722IDGKR	LMV722IDGKR	MSOP-8	-	-	-	2.2/5.5	4.9	.78	.68	.62	.56
595-LMV722IDR	LMV722IDR	SOIC-8	-	-	-	2.2/5.5	4.9	.78	.68	.62	.56
595-OPA365AIDBVR	OPA365AIDBVR	SOT-5	-	-	5	2.2/5.5	25	2.85	2.38	1.90	1.62

HIGH SPEED AMPLIFIERS (≤50MHZ)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Available Channels	Iq per Channel (Max.) (mA)	Vs Min./Max. (V)	Slew Rate (typ) (V/μV)	Price Each			
								1	25	100	250
595-OPA354AIDBVT	OPA354AIDBVT	SOP-5	1	D	7.5	2.5/5.5	150	1.88	1.65	1.50	1.35
595-OPA690ID	OPA690ID	SOIC-8	1	D	6.2	4.5/12	1800	2.88	2.30	1.79	1.70
595-OPA690IDBVT	OPA690IDBVT	SOP-6	1	D	6.2	4.5/12	1800	3.58	3.15	2.86	2.57
595-OPA691ID	OPA691ID	SOIC-8	1	D	4.5	-	2100	3.31	2.98	2.68	2.42
595-OPA694ID	OPA694ID	SOIC-8	1	D	5.8	-	1700	2.68	2.14	1.67	1.58
595-OPA694IDBVT	OPA694IDBVT	SOP-5	1	D	5.8	-	1700	3.33	2.93	2.66	2.39
595-THS4021CD	THS4021CD	SOP-8	1	D	11	10/30	470	5.20	4.16	3.51	3.38
595-THS4031CD	THS4031CD	SOP-8	1	D	11	10/30	100	4.50	3.60	2.80	2.66
595-THS4031ID	THS4031ID	SOP-8	1	D	11	10/30	100	4.73	3.78	2.94	2.79
595-THS4051CD	THS4051CD	SOP-8	1	D	11.5	10/30	240	2.36	1.89	1.47	1.40
595-OPA820IDBVT	OPA820IDBVT	SOP-5	1	Q	6.4	5/12	240	2.25	1.80	1.40	1.30
595-BUF634FKTTT	BUF634FKTTT	PFM-5	1	S	20	4.5/36	2000	8.05	6.43	6.03	5.62
595-BUF634P	BUF634P	DIP-8	1	S	20	4.5/36	2000	6.09	4.87	4.11	3.96
595-BUF634T	BUF634T	TO/SOT-5	1	S	20	4.5/36	2000	8.05	6.43	5.42	5.22
595-BUF634U	BUF634U	SOIC-8	1	S	20	4.5/36	2000	6.10	4.88	4.12	3.97
595-OPA615ID	OPA615ID	SOIC-14	1	S	13	6/36	2500	8.50	6.80	5.74	5.53
595-OPA633KP	OPA633KP	PDIP-8	1	S	30	10/32	2500	9.10	8.18	7.25	6.98
595-OPA656N/250	OPA656N/250	SOP-5	1	S	-	10/12	290	9.75	8.58	7.80	7.02
595-OPA656NB/250	OPA656NB/250	SOP-5	1	S	-	10/12	290	8.58	7.72	6.84	6.54
595-OPA656U	OPA656U	SOIC-8	1	S	-	10/12	290	6.70	5.36	4.52	4.36
595-OPA693ID	OPA693ID	SOIC-8	1	S	14.1	5/12	2500	2.79	2.23	1.74	1.65
595-OPA693IDBVT	OPA693IDBVT	SOP-6	1	S	14.1	5/12	2500	3.45	3.04	2.76	2.48
595-OPA695ID	OPA695ID	SOIC-8	1	S	12.9	5/12	2900	3.07	2.76	2.48	2.24
595-OPA695IDBVT	OPA695IDBVT	SOP-6	1	S	12.9	5/12	2900	3.58	3.15	2.86	2.57
595-OPA698ID	OPA698ID	SOIC-8	1	S	16.6	5/12	1100	4.56	4.10	3.69	3.33
595-OPA699ID	OPA699ID	SOIC-8	1	S	16.6	5/12	1400	4.39	3.51	2.73	2.59
595-OPA843ID	OPA843ID	SOIC-8	1	S	22.5	10/12	1000	3.84	3.46	3.10	2.80
595-OPA847ID	OPA847ID	SOIC-8	1	S	18.9	10/12	950	4.50	3.60	2.80	2.66
595-THS3001ID	THS3001ID	SOIC-8	1	S	10	9/32	6500	6.30	5.04	4.25	4.10
595-THS3091DDA	THS3091DDA	HSOP-8	1	S	11	10/30	7300	7.20	5.76	4.86	4.68
595-THS3201D	THS3201D	SOIC-8	1	S	21	6.6/15	10500	4.73	3.78	2.94	2.79
595-THS3201DBVT	THS3201DBVT	SOP-5	1	S	21	6.6/15	10500	5.88	4.70	4.23	3.76
595-THS3201DGN	THS3201DGN	HTSSOP-8	1	S	21	6.6/15	10500	4.73	3.78	2.94	2.79
595-THS4130ID	THS4130ID	SOP-8	1	S	16	5/30	51	7.20	5.76	4.86	4.68
595-THS4131ID	THS4131ID	SOP-8	1	S	16	5/30	51	5.70	4.60	3.90	3.80
595-THS4303RGTT	THS4303RGTT	QFN-16	1	S	48	3/5	5500	5.75	4.60	4.14	3.68
595-THS4509RGTT	THS4509RGTT	QFN-16	1	S	37.7	3/5.5	6600	10.38	8.30	7.47	6.64
595-VCA810ID	VCA810ID	SOIC-8	1	S	-	10/10	-	11.50	8.63	7.65	7.30
595-OPA2652U	OPA2652U	SOIC-8	2	D	7.75	6/12	335	2.57	2.05	1.60	1.52
595-OPA2674I-14D	OPA2674I-14D	SOIC-14	2	D	19.2	5/12	2000	3.85	3.08	2.39	2.27
595-OPA2674ID	OPA2674ID	SOIC-8	2	D	19.2	5/12	2000	3.85	3.08	2.39	2.27
595-OPA2690ID	OPA2690ID	SOIC-8	2	D	6.3	5/12	1800	4.59	3.67	2.86	2.71
595-THS7303PW	THS7303PW	TSSOP-20	3	-	-	2.6/5.5	-	3.96	3.56	3.20	2.89
595-OPA3692IDBQT	OPA3692IDBQT	SSOP-16	3	S	5.1	5/12	2100	7.63	6.71	6.10	5.49
595-OPA3832IPW	OPA3832IPW	TSSOP 14	3	T	3.9	-	-	2.38	2.09	1.90	1.71

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIFFERENTIAL AMPLIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Gain (V/V)	Input Offset Max. (±) (μV)	Input Offset Drift Max. (±) (μV/°C)	DMRR Min. (dB)	Small-Signal Bandwidth (typ) (MHz)	Vs Min/Max (V)	Price Each			
										1	25	100	250
595-INA105KP	INA105KP	PDIP-8	1	1	125	10	86	1	10/36	5.60	4.48	3.78	3.64
595-INA105KU	INA105KU	SOIC-8	1	1	125	10	86	1	10/36	5.60	4.48	3.78	3.64
595-INA117P	INA117P	PDIP-8	1	1	1000	20	86	0.2	10/36	5.40	4.32	3.65	3.51
595-INA132UA	INA132UA	SOIC-8	1	1	250	5	76	0.3	2.7/36	2.46	1.99	1.57	1.50
595-INA133U	INA133U	SOIC-8	1	1	450	5	80	1.5	5/36	3.25	2.62	2.06	1.96
595-INA148UA	INA148UA	SOIC-8	1	1	5000	100	70	0.1	2.7/36	4.73	3.78	2.94	2.79
595-INA106KP	INA106KP	PDIP-8	1	10	100	0.2	86	5	10/36	8.33	7.50	6.65	6.38
595-INA145UA	INA145UA	SOIC-8	1	1 to 500	1000	10	76	0.5	2.76/36	3.38	2.70	2.10	2.00
595-INA146UA	INA146UA	SOIC-8	1	1 to 500	5000	100	76	0.5	2.76/36	3.83	3.06	2.38	2.26
595-INA2132UA	INA2132UA	SOIC-14	2	1	250	5	76	0.3	2.7/36	4.05	3.24	2.52	2.39
595-INA134UA	INA134UA	SOIC-8	-	1	1000	2	74	3.1	8/36	2.36	1.89	1.47	1.40
595-INA154U	INA154U	SOIC-8	-	1	750	20	80	3.1	8/36	3.15	2.52	1.96	1.86
595-INA2134UA	INA2134UA	SOIC-14	-	1	1000	2	74	3.1	8/36	3.83	3.06	2.38	2.26
595-INA137PA	INA137PA	PDIP-8	-	0.5/2	1000	2	74	4	8/36	2.36	1.89	1.47	1.40
595-INA157UA	INA157UA	SOIC-8	-	0.5/2	500	20	86	4	8/36	2.52	2.27	2.04	1.84
595-INA2137UA	INA2137UA	SOIC-14	-	0.5/2	1000	2	74	4	8/36	3.83	3.06	2.38	2.26

INSTRUMENTATION AMPLIFIERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Input Bias Current Max. (±) (nA)	Input Type	Bandwidth at G=100 Min. (kHz)	Noise at 1kHz (typ) [nV/rt(Hz)]	Settling Time to 0.01% (typ) (us)	Vs Min/Max (V)	Price Each		
										1	25	100
595-INA116UA	INA116UA	SOIC-16	1	0.000025	FET	70	28	145	9/36	8.40	6.72	5.67
595-INA321E/250	INA321E/250	VSSOP-8	1	0.01	CMOS	50	100	12	2.5/5.5	4.13	3.30	2.97
595-INA321E/2K5	INA321E/2K5	VSSOP-8	1	0.01	CMOS	50	100	12	2.5/5.5	3.60	3.24	2.91
595-INA321EA/250	INA321EA/250	VSSOP-8	1	0.01	CMOS	50	100	12	2.5/5.5	3.00	2.40	2.16
595-INA111AP	INA111AP	PDIP-8	1	0.02	FET	450	10	4	12/36	8.40	6.72	5.67
595-INA111AU	INA111AU	SOIC-16	1	0.02	FET	450	10	4	12/36	8.40	6.72	5.67
595-INA111BU	INA111BU	SOIC-16	1	0.02	FET	450	10	4	12/36	16.08	14.47	13.00
595-PGA202KP	PGA202KP	PDIP-14	1	0.05	-	-	12	2	12/36	12.91	11.63	10.31
595-PGA203KP	PGA203KP	PDIP-14	1	0.05	-	-	12	2	12/36	12.91	11.63	10.31
595-INA110KP	INA110KP	PDIP-16	1	0.05	FET	470	10	3	12/36	11.69	10.50	9.31
595-INA110KU	INA110KU	SOIC-16	1	0.05	FET	470	10	3	12/36	11.69	10.50	9.31
595-INA121PA	INA121PA	PDIP-8	1	0.05	FET	50	20	35	4.5/36	5.00	4.00	3.38
595-INA121U	INA121U	SOIC-8	1	0.05	FET	50	20	35	4.5/36	7.71	5.68	4.79
595-INA121UA	INA121UA	SOIC-8	1	0.05	FET	50	20	35	4.5/36	5.00	4.00	3.38
595-PGA206UA	PGA206UA	SOIC-16	1	0.1	-	-	18	3.5	9/36	16.20	15.12	14.04
595-PGA207UA	PGA207UA	SOIC-16	1	0.1	-	-	18	3.5	9/36	17.78	16.59	15.41
595-PGA204AP	PGA204AP	PDIP-16	1	2	-	-	13	140	9/36	21.75	18.13	14.50
595-PGA205AU	PGA205AU	SOIC-16	1	2	-	-	15	28	9/36	12.08	10.88	9.64
595-INA114AP	INA114AP	PDIP-8	1	2	Bipolar	10	11	120	4.5/36	8.40	6.72	5.67
595-INA114BP	INA114BP	PDIP-8	1	2	Bipolar	10	11	120	4.5/36	9.50	8.55	7.58
595-INA114BU	INA114BU	SOIC-16	1	2	Bipolar	10	11	120	4.5/36	9.50	8.55	7.58
595-INA326EA/250	INA326EA/250	MSOP-8	1	2	CMOS	1	33	160	2.7/5.5	4.50	3.60	2.80
595-INA118P	INA118P	PDIP-8	1	5	Bipolar	70	10	21	2.7/36	8.30	6.64	5.60
595-INA118PB	INA118PB	PDIP-8	1	5	Bipolar	70	10	21	2.7/36	10.77	9.68	8.58
595-INA118U	INA118U	SOIC-8	1	5	Bipolar	70	10	21	2.7/36	8.30	6.64	5.60
595-INA118UB	INA118UB	SOIC-8	1	5	Bipolar	70	10	21	2.7/36	10.75	9.68	8.58
595-INA128P	INA128P	PDIP-8	1	5	Bipolar	200	8	9	4.5/36	9.40	7.52	6.35
595-INA128PA	INA128PA	PDIP-8	1	5	Bipolar	200	8	9	4.5/36	5.80	4.64	3.92
595-INA128U	INA128U	SOIC-8	1	5	Bipolar	200	8	9	4.5/36	9.40	7.52	6.35
595-INA128UA	INA128UA	SOIC-8	1	5	Bipolar	200	8	9	4.5/36	5.80	4.64	3.92
595-INA129U	INA129U	SOIC-8	1	5	Bipolar	200	8	9	4.5/36	9.40	7.52	6.35
595-INA129UA	INA129UA	SOIC-8	1	5	Bipolar	200	8	9	4.5/36	5.80	4.64	3.92
595-INA122P	INA122P	PDIP-8	1	25	Bipolar	5	60	450	2.2/36	5.50	4.40	3.71
595-INA122PA	INA122PA	PDIP-8	1	25	Bipolar	5	60	450	2.2/36	4.73	3.78	2.94
595-INA122U	INA122U	SOIC-8	1	25	Bipolar	5	60	450	2.2/36	5.50	4.40	3.71
595-INA125P	INA125P	PDIP-16	1	25	Bipolar	4.5	38	375	2.7/36	5.10	4.08	3.44
595-INA126PA	INA126PA	PDIP-8	1	25	Bipolar	9	35	160	2.7/36	2.25	1.80	1.40
595-INA126U	INA126U	SOIC-8	1	25	Bipolar	9	35	160	2.7/36	2.99	2.39	1.86
595-INA126UA	INA126UA	SOIC-8	1	25	Bipolar	9	35	160	2.7/36	2.25	1.80	1.40
595-PGA103U	PGA103U	SOIC-8	1	150	-	-	11	8	9/36	8.70	6.96	5.87
595-INA101HP	INA101HP	PDIP-14	1	-		25		30	10/40	13.16	11.85	10.51
595-INA2321EA/250	INA2321EA/250	TSSOP-14	2	0.01	CMOS	50	100	12	2.5/5.5	4.88	3.90	3.51
595-INA2128UA	INA2128UA	SOIC-16	2	5	Bipolar	200	8	9	4.5/36	9.32	7.46	6.29
595-INA103KP	INA103KP	PDIP-16	-	8000	Bipolar	-	1	3.5	18/50	8.35	7.50	6.65
595-INA103KU	INA103KU	SOIC-16	-	8000	Bipolar	-	1	3.5	18/50	8.33	7.50	6.65
595-INA163UA	INA163UA	SOIC-14	-	12000	Bipolar	-	1	3.5	8/36	5.00	4.00	3.38

TEXAS INSTRUMENTS Amplifiers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ANALOG ISOLATION AMPLIFIERS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Isolation Voltage Continuous Peak (DC) (V)	Isolation Volt Pulse/Test Peak (V)	Isolation Mode Rejection at 60Hz (typ) (dB)	Leakage Current at 240V/60Hz Max. (μArms)	Gain Non-Linearity Max. (±) (%)	Small-Signal Bandwidth (typ) (kHz)	Price Each	
									1	25
595-ISO122JP	ISO122JP	PDIP-8	2121	2400	140	0.5	0.02	50	15.66	14.10
595-ISO122P	ISO122P	PDIP-8	2121	2400	140	0.5	0.02	50	17.55	16.38
595-ISO124P	ISO124P	PDIP-8	2121	2400	140	0.5	0.01	50	12.00	10.80
595-ISO124U	ISO124U	SOP-8	2121	2400	140	0.5	0.01	50	12.00	10.80

AUDIO POWER AMPLIFIERS

Class-AB Speaker Amplifiers

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Speaker Channels	Headphone Channels	Output Power (W)	Load (Min.) (Ω)	Supply (V)	ISD (μA)	PSRR (dB)	Price Each		
										1	25	100
595-TPA0211DGN	TPA0211DGN	TSSOP-8	Mono	Mono	2	4	2.5 - 5.5	1	58	1.68	1.51	1.36
595-TPA0211DGNR	TPA0211DGNR	HTSSOP-8	Mono	Mono	2	4	2.5 - 5.5	1	58	1.68	1.51	1.36
595-TPA301D	TPA301D	SOP-8	Mono	None	0.35	8	2.5 - 5	0.15	85	.70	.63	.56
595-TPA4861D	TPA4861D	SOP-8	Mono	None	1	8	2.7 - 5.5	0.6	75	1.20	1.08	.97
595-TPA4861DR	TPA4861DR	SOIC-8	Mono	None	1	8	2.7 - 5.5	0.6	75	1.20	1.08	.97
595-TPA6204A1DRBR	TPA6204A1DRBR	SON-8	Mono	None	1.7	8	2.5 - 5.5	0.01	85	1.15	1.04	.93
595-TPA6211A1DGN	TPA6211A1DGN	HTSSOP-8	Mono	None	3.1	3	2.5 - 5.5	0.01	85	1.25	1.12	1.01
595-TPA701DGN	TPA701DGN	MSOP-8	Mono	None	0.7	8	2.5 - 5.5	0.0015	85	1.03	.93	.83
595-TPA721D	TPA721D	SOP-8	Mono	None	0.7	8	2.5 - 5.5	7	85	.79	.71	.64
595-TPA1517DWP	TPA1517DWP	HSOP-20	Stereo	None	6	4	9.5 - 18	7	65	2.50	2.00	1.50
595-TPA1517NE	TPA1517NE	DIP-20	Stereo	None	6	4	9.5 - 18	7	65	1.94	1.75	1.57
595-TPA302D	TPA302D	SOP-8	Stereo	None	0.3	8	2.25 - 5	0.6	55	2.40	2.16	1.94

Class-D Speaker Amplifiers

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Speaker Channels	Headphone Channels	Output Power (W)	Load (Min.) (Ω)	Supply (V)	ISD (μA)	PSRR (dB)	Price Each		
										1	25	100
595-TPA2005D1DGNRG4	TPA2005D1DGNRG4	HTSSOP-8	Mono	None	1.4	8	2.5 - 5.5	0.5	75	1.18	1.06	.95
595-TPA2005D1DRBR	TPA2005D1DRBR	SON-8	Mono	None	1.4	8	2.5 - 5.5	0.5	75	1.18	1.06	.95
595-TPA2010D1YZFR	TPA2010D1YZFR	DSBGA-9	Mono	None	2.5	4	2.5 - 5.5	0.5	75	1.25	1.12	1.01
595-TPA3001D1PWPR	TPA3001D1PWPR	HTSSOP-24	Mono	None	20	4	8 - 18	1	73	6.00	5.40	4.85
595-TPA3101D2RGZTG4	TPA3101D2RGZTG4	QFN-48	Stereo	None	10	4	10 - 26	180	70	8.63	6.90	6.21

Headphone Amplifiers

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Speaker Channels	Headphone Channels	Output Power (W)	Load (Min.) (Ω)	Supply (V)	ISD (μA)	PSRR (dB)	Price Each		
										1	25	100
595-TPA6120A2DWP	TPA6120A2DWP	HSOP-20	-	Stereo	0.05	16	1.6 - 3.6	0.05	72	4.56	4.10	3.69

CURRENT SENSING AMPLIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Gain (V/V)	Common Mode Input Range Min. (V)	Input Offset Max. (±) (μV/°C)	CMRR Min. (dB)	Vs Min/Max (V)	Price Each			
								1	25	100	250
595-INA138NA/250	INA138NA/250	SOP-5	1 to 100	2.7 to 36	1000	100	2.7/36	2.75	2.20	1.98	1.76
595-INA139NA/250	INA139NA/250	SOP-5	1 to 100	2.7 to 36	1000	100	2.7/40	2.75	2.20	1.98	1.76
595-INA168NA/250	INA168NA/250	SOP-5	1 to 100	2.7 to 60	1000	100	2.7/60	3.38	2.70	2.43	2.16
595-INA169NA/250	INA169NA/250	SOP-5	1 to 100	2.7 to 60	1000	100	2.7/60	3.04	2.43	1.89	1.79
595-INA193AIDBVT	INA193AIDBVT	SOP-5	20	-16 to 80	2000	100	2.7/18	2.25	1.80	1.62	1.44
595-INA194AIDBVT	INA194AIDBVT	SOT-23-5	50	-16 to 80	2000	100	2.7/18	2.25	1.80	1.62	1.44
595-INA195AIDBVT	INA195AIDBVT	SOP-5	100	-16 to 80	2000	100	2.7/18	2.25	1.80	1.62	1.44
595-INA196AIDBVT	INA196AIDBVT	SOP-5	20	-16 to 80	2000	100	2.7/13.5	2.25	1.80	1.62	1.44
595-INA198AIDBVT	INA198AIDBVT	SOP-5	100	-16 to 80	2000	100	2.7/13.5	2.25	1.80	1.62	1.44
595-INA200AIDGKT	INA200AIDGKT	MSOP-8	20	-16 to +80	2500	100	2.7/18	3.13	2.75	2.50	2.25

VIDEO AMPLIFIERS WITH INTEGRATED FILTER

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Number of Channels	Filter -3dB Frequency (typ) MHz	Number of Filter Poles	Gain (dB)	Differential Gain (%)	Differential Phase (°)	Iq Total (typ) (mA)	Vs Min/Max (V)	Price Each		
											1	25	100
595-THS7314D	THS7314D	SOIC-8	3	8.5	5	6	0.1	0.1	16	2.85/5.5	1.20	1.00	.80
595-THS7314DR	THS7314DR	SOIC-8	3	8.5	5	6	0.1	0.1	16	2.85/5.5	1.20	1.00	.80
595-THS7327PHP	THS7327PHP	HTQFP-48	3	16	5	0	0.3	0.45	100	2.7/5.5	6.70	5.36	4.53
595-THS7318YZFR	THS7318YZFR	DSBGA 9	3	20	3	6	0.05	0.03	3.5	2.85/5	9.38	8.25	7.50
595-THS7318YZFT	THS7318YZFT	DSBGA 9	3	20	3	6	0.05	0.03	3.5	2.85/5	10.38	9.13	8.30

AME Power Voltage CMOS LDOs

Products may be RoHS compliant. Check mouser.com for RoHS status.

Analog
Microelectronics,
Incorporated
A Subsidiary of AME, Inc.

LOW DROPOUT REGULATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Voltage (V)	Current	Price Each		
Mfr.	Mfr. Part No.				1	25	100
Positive Voltage							
827—	AME1117ACBT	TO-220	Adjustable	1A	.96	.77	.33
827—	AME1117ACCTZ	TO-252	Adjustable	1A	.75	.60	.26
827—	AME1085ACBT	TO-220	Adjustable	3A	1.01	.81	.34
827—	AME1085ACDTZ	TO-263	Adjustable	3A	1.01	.81	.34
827—	AME1085AMCTZ	TO-252	Adjustable	3A	.92	.74	.31
827—	AME1085ACDT-3Z	TO-263-3	Adjustable	3A	1.01	.81	.34
827—	AME1084ACBT	TO-220	Adjustable	5A	1.01	.81	.34
827—	AME1084ACDTZ	TO-263	Adjustable	5A	1.01	.81	.34
827—	AME1084ACDT-3Z	TO-263-3	Adjustable	5A	1.01	.81	.34
827—	AME1117BCGTZ	SOT-223	2.5V	1A	.54	.43	.18
827—	AME1117BCBTZ	TO-220	2.5V	1A	.97	.77	.33
827—	AME1117BCCTZ	TO-252	2.5V	1A	.73	.58	.25
827—	AME1117CCBTZ	TO-220	3.3V	1A	1.14	.91	.39
827—	AME1117CCCTZ	TO-252	3.3V	1A	.72	.58	.24
827—	AME1085DCBTZ	TO-220	3.3V	3A	1.01	.81	.34
827—	AME1085DCDTZ	TO-263	3.3V	3A	1.01	.81	.34
827—	AME1085MCTZ	TO-252	3.3V	3A	.92	.74	.31
827—	AME1085DCDT-3Z	TO-263-3	3.3V	3A	1.01	.81	.34
827—	AME1084DCBTZ	TO-220	3.3V	5A	1.01	.81	.34
827—	AME1084DCDTZ	TO-263	3.3V	5A	1.01	.81	.34
827—	AME1084DCDT-3Z	TO-263-3	3.3V	5A	1.01	.81	.34
827—	AME1117DCBT	TO-220	5.0V	1A	.97	.78	.33
827—	AME1117DCGTZ	SOT-223	5.0V	1A	.56	.45	.19
Positive Voltage CMOS							
827—	AME8804AEEYZ	SOT-26	Adjustable	300mA	.69	.55	.23
827—	AME8824AEEYZ	SOT-26	Adjustable	300mA	.69	.55	.23
827—	AME8807AEHAZ	SO-8	Adjustable	600mA	1.07	.85	.36
827—	AME8807BEHAZ	SO-8	Adjustable	600mA	1.07	.85	.36
827—	AME8816CEHAADJZ	SO-8	Adjustable	1.5A	1.31	1.05	.45
827—	AME8816BEHAADJZ	SO-8	Adjustable	1.5A	1.31	1.05	.45
827—	AME8890TEEVZ	SOT-25	1.2 V	150mA	.72	.57	.24
827—	AME8800LEETZ	SOT-23	1.5V	300mA	.67	.53	.23
827—	AME8800LEEVZ	SOT-25	1.5V	300mA	.73	.58	.25
827—	AME8800LEFTZ	SOT-89	1.5V	300mA	.69	.55	.23
827—	AME8801LEEVZ	SOT-25	1.5V	300mA	.73	.58	.25
827—	AME8801LEEYZ	SOT-26	1.5V	300mA	.69	.55	.23
827—	AME8811LEATZ	TO-92	1.5V	300mA	.69	.55	.23
827—	AME8811LEFTZ	SOT-89	1.5V	300mA	.69	.55	.23
827—	AME8812LEEVZ	SOT-25	1.5V	300mA	.73	.58	.25
827—	AME8814LEEYZ	SOT-26	1.5V	300mA	.69	.55	.23
827—	AME8840LEEVZ	SOT-25	1.5V	300mA	.73	.58	.25
827—	AME8805LEFTZ	SOT-89	1.5V	600mA	.69	.55	.23
827—	AME8805LEGTZ	SOT-223	1.5V	600mA	.96	.76	.32
827—	AME8806LEHAZ	SO-8	1.5V	600mA	1.07	.85	.36
827—	AME8809LEHAZ	SO-8	1.5V	600mA	1.07	.85	.36
827—	AME8810LEGTZ	SOT-223	1.5V	600mA	.96	.76	.32
827—	AME8841LEHAZ	SO-8	1.5V	600mA	1.07	.85	.36
827—	AME8842LEHAZ	SO-8	1.5V	600mA	1.07	.85	.36
827—	AME8815AEGT150Z	SOT-223	1.5V	1.5A	1.21	.96	.41
827—	AME8815BEGT150Z	SOT-223	1.5V	1.5A	1.21	.96	.41
827—	AME8815AECS150Z	DPAK-2	1.5V	1.5A	1.55	1.24	.53
827—	AME8815BECS150Z	DPAK-2	1.5V	1.5A	2.04	1.63	.69
827—	AME8815AEBT150Z	TO-220	1.5V	1.5A	2.04	1.63	.69
827—	AME8815BEBT150Z	TO-220	1.5V	1.5A	1.21	.96	.41
827—	AME8816AEHA150Z	SO-8	1.5V	1.5A	1.31	1.05	.45
827—	AME8800MEETZ	SOT-23	1.8V	300mA	.67	.53	.23
827—	AME8800MEEVZ	SOT-25	1.8V	300mA	.70	.56	.24
827—	AME8800MEFTZ	SOT-89	1.8V	300mA	.69	.55	.23
827—	AME8801MEEVZ	SOT-25	1.8V	300mA	.73	.58	.25
827—	AME8801MEEYZ	SOT-26	1.8V	300mA	.69	.55	.23
827—	AME8811MEATZ	TO-92	1.8V	300mA	.69	.55	.23
827—	AME8811MEFTZ	SOT-89	1.8V	300mA	.69	.55	.23
827—	AME8812MEEVZ	SOT-25	1.8V	300mA	.73	.58	.25
827—	AME8814MEEYZ	SOT-26	1.8V	300mA	.69	.55	.23
827—	AME8840MEEVZ	SOT-25	1.8V	300mA	.73	.58	.25
827—	AME8805MEFTZ	SOT-89	1.8V	600mA	.69	.55	.23
827—	AME8805MEGTZ	SOT-223	1.8V	600mA	.96	.76	.32
827—	AME8806MEHAZ	SO-8	1.8V	600mA	1.07	.85	.36
827—	AME8810MEGTZ	SOT-223	1.8V	600mA	.96	.76	.32
827—	AME8815AEGT180Z	SOT-223	1.8V	1.5A	1.21	.96	.41
827—	AME8815BEGT180Z	SOT-223	1.8V	1.5A	1.21	.96	.41
827—	AME8815AECS180Z	DPAK-2	1.8V	1.5A	1.55	1.24	.53
827—	AME8815BECS180Z	DPAK-2	1.8V	1.5A	1.55	1.24	.53
827—	AME8815AEBT180Z	TO-220	1.8V	1.5A	2.04	1.63	.69
827—	AME8815BEBT180Z	TO-220	1.8V	1.5A	1.21	.96	.41
827—	AME8816AEHA180Z	SO-8	1.8V	1.5A	1.31	1.05	.45
827—	AME8800DEETZ	SOT-23	2.5V	300mA	.67	.53	.23
827—	AME8800DEEVZ	SOT-25	2.5V	300mA	.73	.58	.25
827—	AME8800DEFTZ	SOT-89	2.5V	300mA	.69	.55	.23
827—	AME8801DEEVZ	SOT-25	2.5V	300mA	.73	.58	.25
827—	AME8811DEATZ	TO-92	2.5V	300mA	.69	.55	.23
827—	AME8811DEFTZ	SOT-89	2.5V	300mA	.69	.55	.23
827—	AME8812DEEVZ	SOT-25	2.5V	300mA	.73	.58	.25
827—	AME8814DEEYZ	SOT-26	2.5V	300mA	.69	.55	.23
827—	AME8840DEEVZ	SOT-25	2.5V	300mA	.73	.58	.25
827—	AME8861AEEV250Z	SOT-25	2.5V	600mA	.73	.58	.25
827—	AME8805DEFTZ	SOT-89	2.5V	600mA	.69	.55	.23

LOW DROPOUT REGULATORS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	Voltage (V)	Current	Price Each		
Mfr.	Mfr. Part No.				1	25	100
Positive Voltage CMOS (cont.)							
827—	AME8805DEGTZ	SOT-223	2.5V	600mA	.96	.76	.32
827—	AME8806DEHAZ	SO-8	2.5V	600mA	1.07	.85	.36
827—	AME8809DEHAZ	SO-8	2.5V	600mA	1.07	.85	.36
827—	AME8810DEGTZ	SOT-223	2.5V	600mA	.96	.76	.32
827—	AME8841DEHAZ	SO-8	2.5V	600mA	1.07	.85	.36
827—	AME8842DEHAZ	SO-8	2.5V	600mA	1.07	.85	.36
827—	AME8815BEBT250Z	TO-220	2.5V	1.5A	2.04	1.63	.69
827—	AME8815AEGT250Z	SOT-223	2.5V	1.5A	1.21	.96	.41
827—	AME8815BEGT250Z	SOT-223	2.5V	1.5A	1.21	.96	.41
827—	AME8815AECS250Z	DPAK-2	2.5V	1.5A	1.55	1.24	.53
827—	AME8815BECS250Z	DPAK-2	2.5V	1.5A	1.55	1.24	.53
827—	AME8815AEBT250Z	TO-220	2.5V	1.5A	2.04	1.63	.69
827—	AME8816AEHA250Z	SO-8	2.5V	1.5A	1.31	1.05	.45
827—	AME8800JEETZ	SOT-23	2.85V	300mA	.67	.53	.23
827—	AME8801JEEVZ	SOT-25	2.85V	300mA	.73	.58	.25
827—	AME8801JEEYZ	SOT-26	2.85V	300mA	.69	.55	.23
827—	AME8805NEGTZ	SOT-223	2.9V	600mA	.96	.76	.32
827—	AME8806NEHAZ	SO-8	2.9V	600mA	1.07	.85	.36
827—	AME8809NEHAZ	SO-8	2.9V	600mA	1.07	.85	.36
827—	AME8810NEGTZ	SOT-223	2.9V	600mA	.96	.76	.32
827—	AME8800BEETZ	SOT-23	3.0V	300mA	.67	.53	.23
827—	AME8800BEFTZ	SOT-89	3.0V	300mA	.69	.55	.23
827—	AME8801BEEVZ	SOT-25	3.0V	300mA	.73	.58	.25
827—	AME8801BEEYZ	SOT-26	3.0V	300mA	.69	.55	.23
827—	AME8811BEATZ	TO-92	3.0V	300mA	.69	.55	.23
827—	AME8811BEFTZ	SOT-89	3.0V	300mA	.69	.55	.23
827—	AME8812BEEVZ	SOT-25	3.0V	300mA	.73	.58	.25
827—	AME8814BEEYZ	SOT-26	3.0V	300mA	.69	.55	.23
827—	AME8840BEEVZ	SOT-25	3.0V	300mA	.73	.58	.25
827—	AME8861AEEV300Z	SOT-25	3.0V	600mA	.73	.58	.25
827—	AME8805BEFTZ	SOT-89	3.0V	600mA	.69	.55	.23
827—	AME8805BEGTZ	SOT-223	3.0V	600mA	.96	.76	.32
827—	AME8806BEHAZ	SO-8	3.0V	600mA	1.07	.85	.36
827—	AME8809BEHAZ	SO-8	3.0V	600mA	1.07	.85	.36
827—	AME8810BEGTZ	SOT-223	3.0V	600mA	.96	.76	.32
827—	AME8841BEHAZ	SO-8	3.0V	600mA	1.07	.85	.36
827—	AME8842BEHAZ	SO-8	3.0V	600mA	1.07	.85	.36
827—	AME8800AEETZ	SOT-23	3.3V	300mA	.67	.53	.23
827—	AME8800AEEVZ	SOT-25	3.3V	300mA	.73	.58	.25
827—	AME8800AEFTZ	SOT-89	3.3V	300mA	.69	.55	.23
827—	AME8801AEEVZ	SOT-25	3.3V	300mA	.73	.58	.25
827—	AME8801AEEYZ	SOT-26	3.3V	300mA	.69	.55	.23
827—	AME8802AEEVZ	SOT-25	3.3V	300mA	.73	.58	.25
827—	AME8803AEEYZ	SOT-26	3.3V	300mA	.69	.55	.23
827—	AME8811AEATZ	TO-92	3.3V	300mA	.69	.55	.23
827—	AME8811AEFTZ	SOT-89	3.3V	300mA	.69	.55	.23
827—	AME8812AEEVZ	SOT-25	3.3V	300mA	.73	.58	.25
827—	AME8814AEEYZ	SOT-26	3.3V	300mA	.69	.55	.23
827—	AME8840AEEVZ	SOT-25	3.3V	300mA	.73	.58	.25
827—	AME8861AEEV330Z	SOT-25	3.3V	600mA	.85	.68	.29
827—	AME8805AEFTZ	SOT-89	3.3V	600mA	.69	.55	.23
827—	AME8805AEGTZ	SOT-223	3.3V	600mA	.96	.76	.32
827—	AME8806AEHAZ	SO-8	3.3V	600mA	1.07	.85	.36
827—	AME8809AEHAZ	SO-8	3.3V	600mA	1.07	.85	.36
827—	AME8810AEGTZ	SOT-223	3.3V	600mA	.96	.76	.32
827—	AME8841AEHAZ	SO-8	3.3V	600mA	1.07	.85	.36
827—	AME8842AEHAZ	SO-8	3.3V	600mA	1.07	.85	.36
827—	AME8815BEBT330Z	TO-220	3.3V	1.5A	2.04	1.63	.69
827—	AME8815AEGT330Z	SOT-223	3.3V	1.5A	1.21	.96	.41
827—	AME8815BEGT330Z	SOT-223	3.3V	1.5A	1.21	.96	.41
827—	AME8815AECS330Z	DPAK-2	3.3V	1.5A	1.55	1.24	.53
827—	AME8815BECS330Z	DPAK-2	3.3V	1.5A	1.55	1.24	.53
827—	AME8815AEBT330Z	TO-220	3.3V	1.5A	2.04	1.63	.69
827—	AME8816AEHA330Z	SO-8	3.3V	1.5A	1.31	1.05	.45
827—	AME8800SEFTZ	SOT-89	5.0V	300mA	.69	.55	.23
827—	AME8800SEETZ	SOT-23	5.0V	300mA	.67	.53	.23
827—	AME8800SEEVZ	SOT-25	5.0V	300mA	.73	.58	.25
827—	AME8801SEEVZ	SOT-25	5.0V	300mA	.73	.58	.25
827—	AME8801SEEYZ	SOT-26	5.0V	300mA	.69	.55	.23
827—	AME8811SEATZ	TO-92	5.0V	300mA	.69	.55	.23
827—	AME8811SEFTZ	SOT-89	5.0V	300mA	.69	.55	.23
827—	AME8812SEEVZ	SOT-25	5.0V	300mA	.73	.58	.25
827—	AME8814SEEYZ	SOT-26	5.0V	300mA	.69	.55	.23
827—	AME8840SEEVZ	SOT-25	5.0V	300mA	.73	.58	.25
827—	AME8805SEFTZ	SOT-89	5.0V	600mA	1.07	.85	.36
827—	AME8842SEHAZ	SO-8	5.0V	600mA	1.07	.85	.36
827—	AME8815AEGT500Z	SOT-223	5.0V	1.5A	1.21	.96	.41
827—	AME8815BEGT500Z	SOT-223	5.0V	1.5A	1.21	.96	.41
827—	AME8815AECS500Z	DPAK-2	5.0V	1.5A	1.55	1.24	.53
827—	AME8815BECS500Z	DPAK-2	5.0V	1.5A	1.55	1.24	.53
827—	AME8815AEBT500Z	TO-220	5.0V	1.5A	2.04	1.63	.69
827—	AME8815BEBT500Z	TO-220	5.0V	1.5A	2.04	1.63	.69
827—	AME8816AEHA500Z	SO-8	5.0V	1.5A	1.31	1.05	.45
High Power Supply Rejection Ratio CMOS							
827—	AME8833AEIV150Z	SC-70	1.5V	300mA	1.06	.85	.36
827—	AME8833AEIV180Z	SC-70	1.8V	300mA	1.06	.85	.36
827—	AME8833AEIV250Z	SC-70	2.5V	300mA	1.06	.85	.36
827—	AME8833AEIV330Z	SC-70	3.3V	300mA	1.06	.85	.36

ANALOGIC TECH Power Management ICs

ANALOGIC TECH

RoHS Compliant **This page of product is compliant.**

AnalogicTech solves the challenges of extending battery life, improving reliability, and reducing the size and weight of new designs with total power management solutions based on innovative analog and mixed-signal integrated circuits. Playing a critical role in system design, these devices manage battery life, voltage regulation, power-saving load switching, and electronic protection of computer input/output. The company's engineering team possesses a unique combination of expertise in analog IC and device design, process technology, packaging, and power management applications.

RoHS Compliant

DC/DC CONVERTERS

AnalogicTech's DC/DC converter products are designed to provide high efficiency voltage regulation in a very small size to extend battery life in portable electronic systems. The SwitchReg™ parts are members of AnalogicTech's Total Power Management IC™ (TPMIC™) product family.

Features:
- Soft-start control
- Over-temperature protection
- -40°C to +85°C Temperature range

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	AATI Part No.	Package Type	V_{IN} (V)	V_{OUT}	Accuracy (%)	Switching Freqency (kHz)	I_{out} (mA) (max)	Peak Eff. (%)	Price Each			
									1	25	100	1000
873-AAT1142ITP-T1	AAT1142ITP-T1	TSOPJW-12	2.7-5.5	Adj 0.6-2.0	±3	2200	800	93	1.98	1.58	1.42	1.26
873-AAT1146IJS06T1	AAT1171IWP-T1	TDFN33-12	2.7-5.5	Adj 0.6-3.6	±3	2000	600	97	1.34	1.22	1.13	1.07
873-AAT1171IWP-T1	AAT1230ITP-T1	TSOPJW-12	2.7-5.5	Fixed 18	±3	2000	100	85	2.35	1.88	1.69	1.50
873-AAT1230ITP-T1	AAT1265IJS-T1	SC70JW-8	0.8-Vout	Fixed 2.5-5.0	±3	2000	250	93	1.78	1.42	1.28	1.14
873-AAT1265IJS-T1	AAT1265IJS-3.3-T1	SC70JW-8	0.8-Vout	Fixed 2.5-5.0	±3	2000	250	93	1.45	1.16	1.04	.93
873-AAT1265IJS33T1	AAT1146IJS-0.6-T1	SC70JW-8	2.7-5.5	Adj 0.6 to VIN	±3	1400	400	98	1.45	1.16	1.04	.93
873-AAT1121IPS06T1	AAT1121IPS-0.6-T1	TDFN22-8	2.7-5.5	Adj 0.6 to VIN	±3	1500	250	96	1.27	1.01	.79	.77
873-AAT1123IJS06T1	AAT1123IJS-0.6-T1	SC70JW-8	2.7-5.5	Fixed >0.6	±3.5	1000	600	97	1.27	1.01	.79	.77
873-AAT1126IGV06T1	AAT1126IGV-0.6-T1	SOT-23	2.7-5.5	Fix or Adj>0.6	±3	1000	600	95	1.05	.84	.66	.64
873-AAT1143IJS06T1	AAT1143IJS-0.6-T1	SC70JW-8	2.7-5.5	Fix or Adj>0.6	±3	1000	400	95	1.20	.95	.75	.73
873-AAT154IAS10T1	AAT1154IAS-1.0-T1	SOP-8	5.5	1.0-4.2	±5	1000	3000	95	2.03	1.62	1.27	1.22
873-AAT1157IVN-T1	AAT1157IVN-T1	QFN33-16	5.5	Fix or Adj>0.8	±4	1000	1200	95	2.54	2.02	1.59	1.53
873-AAT2510IWP-AA-T1	AAT2510IWP-AA-T1	TDFN33-12	2.7-5.5	Adj 0.6 to VIN	±3	1000	-	96	2.50	1.99	1.56	1.51
873-AAT2511IWP-AA-T1	AAT2511IWP-AA-T1	TDFN33-12	2.7-5.5	Adj 0.6 to VIN	±3	1000	-	97	2.68	2.44	2.26	2.14

LDO LINEAR REGULATORS

AnalogicTech's LDO linear regulator products are designed to provide a well regulated power supply while maximizing the performance for a given application with minimum board space.

Features:
- Cellular phones
- Digital cameras
- Notebook computer
- Portable communication devices
- Low dropout
- Guaranteed 150mA output
- High accuracy

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	AATI Part No.	Package Type	V_{IN} (V) (max)	V_{OUT}	Accuracy (%)	Dropout (mV) (Typ)	I_{GND} (A) (Typ)	I_{OUT} (mA) (max)	Price Each			
									1	25	100	1000
873-AAT3215IGV-33T1	AAT3215IGV-3.3-T1	SOT-23	5.5	Fixed 2.5-3.5	±1.5	140	95	150	.54	.43	.34	.33
873-AAT3221IGV-30T1	AAT3221IGV-3.0-T1	SOT-23	5.5	Fixed 1.6-3.5	±2	180	1.1	150	.47	.38	.29	.28
873-AAT3221IGV-33T1	AAT3221IGV-3.3-T1	SOT-23	5.5	Fixed 1.6-3.5	±2	180	1.1	150	.47	.38	.29	.28

BATTERY MANAGERS

"The AnalogicTech BatteryManagers™ are part of their Total Power Management IC™ (TPMIC™) product family. This product is a highly integrated single cell lithium-ion/polymer battery charger IC that requires a minimum number of external components. BatteryManagers precisely regulate battery charge voltage and current for 4.2V lithium-ion/polymer battery cells.

Features:
- Cellular phones
- Digital cameras
- Notebook computer
- Portable communication devices

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	AATI Part No.	Package Type	Charge Current (mA) (max)	Iq (sleep) (mA)	Iq (typ) (mA)	V_{IN} (V)	Price Each			
							1	25	100	1000
873-AAT3681IJS42T1	AAT3681IJS-4.2-T1	SC70JW-8	300	0.3	500	4.0-6.5	1.27	1.16	1.07	1.01
873-AAT3685IWP42T1	AAT3685IWP-4.2-T1	TDFN33-12	1000	0.3	750	4.0-5.5	2.15	1.72	1.55	1.38
873-AAT3686IXN42T1	AAT3686IXN-4.2-T1	TDFN44-16	1500	0.3	750	4.0-5.5	2.75	2.20	1.98	1.76
873-AAT3687IWP42T1	AAT3687IWP-4.2-T1	TDFN33-12	1500	0.3	750	4.0-5.5	1.78	1.42	1.28	1.14

INTEGRATED LOAD SWITCHES

The AAT4250 SmartSwitch is a member of AnalogicTech's Application Specific Power MOSFET (ASPM) product family. It is a Slew Rate Controlled P-channel MOSFET power switch designed for high-side load-switching applications. AnalogicTech's integrated load switching products offer new levels of small size and high integration for power management load switching in portable electronic systems.

Features:
- 1.8V to 5.5V Input voltage range
- Low quiescent current
- Only 2.0V needed for ON/OFF control
- Temperature range -40°C to +85°C
- 5kV ESD rating

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	AATI Part No.	Package Type	Channel	V_{IN} (V) (max)	I_{GND} (A) (Typ)	$R_{DS(ON)}$ (m) (Typ)	Turn On Rise Time (Tr)	Enable	Price Each			
									1	25	100	1000
873-AAT4250IGV-T1	AAT4250IGV-T1	SOT-23	Single	5.5	2	120	1.5 ms	Yes	.52	.42	.33	.32

CURRENT LIMITING HIGH SIDE SWITCH

The AAT4610A SmartSwitch is a member of AnalogicTech's Application Specific Power MOSFET (ASPM) product family. It is a Current Limited P-channel MOSFET power switch designed for high-side load-switching applications.

Features:
- 2.4V to 5.5V Input voltage range
- Programmable over current threshold
- Fast transient response
- Low quiescent current
- Only 2.5V needed for ON/OFF control
- Under-voltage lockout
- Temperature range: -40°C to +85°C
- 4kV ESD rating

MOUSER STOCK NO.	AATI Part No.	Package Type	Channel	V_{IN} (V) (max)	I_{GND} (A) (Typ)	$R_{DS(ON)}$ (m) (Typ)	I_{LM}	Enable	Price Each			
									1	25	100	1000
873-AAT4610AIGV-T1	AAT4610AIGV-T1	SOT-23	Single	5.5	15	160	ADJ (1.0A)	Yes	.60	.48	.38	.36

CHARGE PUMP

The AAT3125 USB On-the-Go (OTG) charge pump is a member of AnalogicTech's Total Power Management IC product family. The device integrates a high efficiency 1.5x fractional 100mA regulated charge pump for supplying VBUS with the additional functions required for OTG-devices. Four voltage detectors monitor VBUS and a current source, dedicated for VBUS pulsing, are provided for compliance with Session Request Protocol (SRP) as defined by the USB OTG Supplement.

- Under-voltage lockout, output short circuit, & thermal protection.
- Temperature range: -40°C to +85°C
- High efficiency fractional topology
- High frequency 750kHz switching speed

MOUSER STOCK NO.	AATI Part No.	Package Type	Channel	V_{IN} (V) (max)	I_{GND} (A) (Typ)	$R_{DS(ON)}$ (m) (Typ)	I_{LM}	Enable	Price Each			
									1	25	100	1000
873-AAT3125ISN50T1	AAT3125ISN-5.0-T1	QFN44-16	750	100	1000	1	2.9-5.5	4.4-5.25	3.50	2.80	2.52	2.24

BUFFERED POWER HALF-BRIDGE

The AAT4900 FastSwitch is a member of AnalogicTech's Application Specific Power MOSFET (ASPM) product family. It is a Buffered Power Half-Bridge, consisting of low on-resistance Power MOSFETs with integrated control logic. AnalogicTech's power half bridge products offer the highest level of integration and speed for multiple high performance applications.

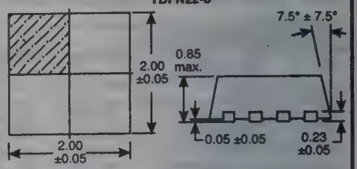
Features:
- 2.7V to 5.5V Input voltage range
- Low quiescent current
- Only 2.5V needed for control signal input
- Break before make shoot-through protection
- Temperature range: -40°c to +85°C

Applications:
- DC motor drive
- High frequency DC to DC converters
- MOSFET driver

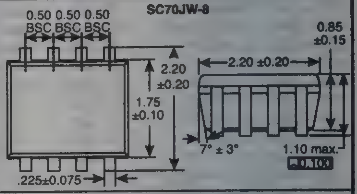
MOUSER STOCK NO.	AATI Part No.	Package Type	Break Before Make Time (ns)	V_{IN} (V) (max)	Peak I_{OUT} (mA)	$R_{DS(ON)}$ (m)(Typ) High Side Switch	$R_{DS(ON)}$ (m)(Typ) Low Side Switch	Logic Input	Price Each			
									1	25	100	1000
873-AAT4900IGV-T1	AAT4900IGV-T1	SOT-23	5	5.5	1000	130	105	Yes	1.81	1.45	1.13	1.09

DIMENSIONS (mm)

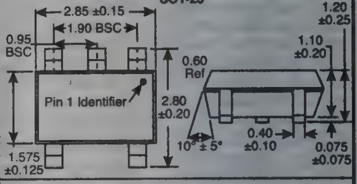
TDFN22-8



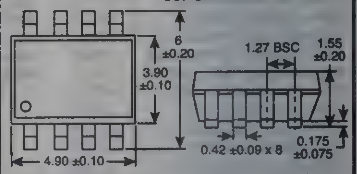
SC70JW-8



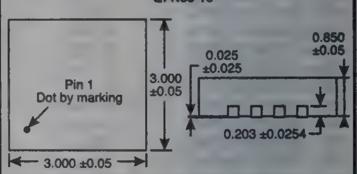
SOT-23



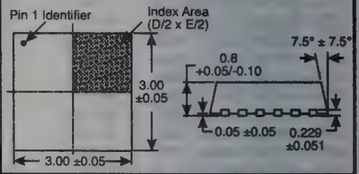
SOP-8



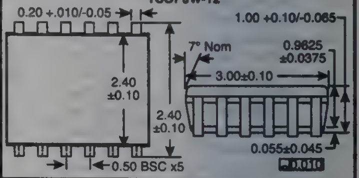
QFN33-16



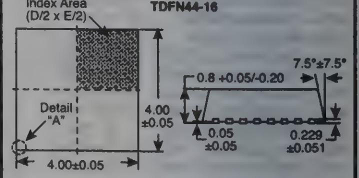
TDFN33-12



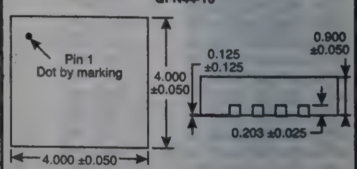
TSOPJW-12



TDFN44-16



QFN44-16



DIODES INC. Power Management and Amplifier ICs

HALL EFFECT SENSORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Type	Operating Voltage	Output Current	Operating Temperature	Price Each			
							1	25	50	100
621-AH173-PL-A-A	AH173-PL-A-A	SIP-3L	Bipolar Latch	3.0V - 20V	25mA	-40°C to +125°C	1.26	1.15	1.08	1.01
621-AH173-WL-7-A	AH173-WL-7-A	SC59-3L	Bipolar Latch	3.0V - 20V	25mA	-40°C to +125°C	1.26	1.15	1.08	1.01
621-AH175-PL-A-A	AH175-PL-A-A	SIP-3L	Bipolar Latch	3.5V - 20V	25mA	-40°C to +125°C	1.26	1.15	1.08	1.01
621-AH175-WL-7-A	AH175-WL-7-A	SC59-3L	Bipolar Latch	3.5V - 20V	25mA	-40°C to +125°C	1.26	1.15	1.08	1.01
621-AH342-PL-B	AH342-PL-B	SIP-4L	Bipolar Latch	4.5V - 28V	7.4mA/4.4mA	-40°C to +125°C	1.48	1.36	1.27	1.23
621-AH373-PL-A	AH373-PL-A	SIP3	Bipolar Latch	2.5V - 20V	25mA	-40°C to +125°C	1.26	1.15	1.08	1.01
621-AH373-WL-7	AH373-WL-7	SC59	Bipolar Latch	2.5V - 20V	25mA	-40°C to +125°C	1.26	1.15	1.08	1.01
621-AH375-PL-A	AH375-PL-A	SIP3	Bipolar Latch	2.5V - 20V	25mA	-40°C to +125°C	1.37	1.26	1.18	1.10
621-AH375-WL-7	AH375-WL-7	SC59	Bipolar Latch	2.5V - 20V	25mA	-40°C to +125°C	1.26	1.15	1.08	1.01
621-AH180-SNG-7	AH180-SNG-7	DFN2020-6	Omnipolar switch	2.5V - 5.5V	.011mA	-40°C to +85°C	1.36	1.24	1.17	1.09
621-AH180-WG-7	AH180-WG-7	SC59-3L	Omnipolar switch	2.5V - 5.5V	.011mA	-40°C to +85°C	1.36	1.24	1.17	1.09
621-AH180-PL-A	AH180-PL-A	SIP-3L	Omnipolar switch	2.5V - 5.5V	.011mA	-40°C to +85°C	1.48	1.36	1.27	1.19
621-AH182-PL-A	AH182-PL-A	SIP-3L	Unipolar switch	2.5V - 5.5V	1mA	-40°C to +85°C	1.26	1.15	1.08	1.01
621-AH182-WL-7	AH182-WL-7	SOT23	Unipolar switch	2.5V - 5.5V	1mA	-40°C to +85°C	1.26	1.15	1.08	1.01
621-AH183-PL-A	AH183-PL-A	SIP-3L	Unipolar switch	2.5V - 5.5V	1mA	-40°C to +85°C	1.48	1.36	1.27	1.19
621-AH183-WL-7	AH183-WL-7	SOT23	Unipolar switch	2.5V - 5.5V	1mA	-40°C to +85°C	1.48	1.36	1.27	1.19
621-AH337-PL-A	AH337-PL-A	SIP3	Unipolar switch	4.2V - 28V	25mA	-40°C to +125°C	1.37	1.26	1.18	1.10
621-AH337-WL-7	AH337-WL-7	SC59	Unipolar switch	4.2V - 28V	25mA	-40°C to +125°C	1.26	1.15	1.08	1.01
621-ATS137-PL-A-A	ATS137-PL-A-A	SIP-3L	Unipolar switch	3.5V - 20V	25mA	-20°C to +85°C	1.55	1.41	1.33	1.24
621-ATS137-WL-7-A	ATS137-WL-7-A	SC59-3L	Unipolar switch	3.5V - 20V	25mA	-20°C to +85°C	1.61	1.47	1.38	1.29

ADJUSTABLE PRECISION SHUNT REGULATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Reference Voltage Tolerance	Operating Voltage	Maximum Input Voltage	Power Dissipation	Price Each			
							1	25	50	100
621-AP431AL-13	AP431AL-13	SOP-8L	± 0.5%	2.495V	36V	600mW	1.26	1.15	1.08	1.01
621-AP431AQL-7	AP431AQL-7	SOT25	± 0.5%	2.495V	36V	250mW	.72	.66	.61	.57
621-AP431ARG-7	AP431ARG-7	SC59	± 0.5%	2.495V	36V	400mW	.47	.43	.40	.38
621-AP431ASAG-7	AP431ASAG-7	SOT23	± 0.5%	2.495V	36V	250mW	.47	.43	.40	.38
621-AP431AVL-A	AP431AVL-A	TO92-3L	± 0.5%	2.495V	36V	780mW	.43	.40	.37	.35
621-AP431AWG-7	AP431AWG-7	SC59	± 0.5%	2.495V	36V	400mW	.47	.43	.40	.38
621-AP431AYL-13	AP431AYL-13	SOT89-3L	± 0.5%	2.495V	36V	800mW	.72	.66	.61	.57
621-AP431L-13	AP431L-13	SOP-8L	± 1%	2.495V	36V	600mW	1.08	.98	.92	.86
621-AP431QL-7	AP431QL-7	SOT25	± 1%	2.495V	36V	250mW	.72	.66	.61	.57
621-AP431RG-7	AP431RG-7	SC59	± 1%	2.495V	36V	400mW	.43	.40	.37	.35
621-AP431SAG-7	AP431SAG-7	SOT23	± 1%	2.495V	36V	250mW	.47	.43	.40	.38
621-AP431VL-A	AP431VL-A	TO92-3L	± 1%	2.495V	36V	780mW	.27	.25	.23	.20
621-AP431WG-7	AP431WG-7	SC59	± 1%	2.495V	36V	400mW	.47	.43	.40	.38
621-AP431YL-13	AP431YL-13	SOT89-3L	± 1%	2.495V	36V	800mW	.62	.57	.53	.49
621-AP432AL-13	AP432AL-13	SOP-8L	± 0.5%	1.24V	20V	600mW	1.00	.92	.86	.80
621-AP432AQL-7	AP432AQL-7	SOT25	± 0.5%	1.24V	20V	250mW	1.00	.92	.86	.80
621-AP432ARG-7	AP432ARG-7	SC59	± 0.5%	1.24V	20V	400mW	.72	.66	.61	.57
621-AP432ASAG-7	AP432ASAG-7	SOT23	± 0.5%	1.24V	20V	250mW	.72	.66	.61	.57
621-AP432AVL-A	AP432AVL-A	TO92-3L	± 0.5%	1.24V	20V	780mW	.88	.75	.63	.50
621-AP432AWG-7	AP432AWG-7	SC59	± 0.5%	1.24V	20V	400mW	.72	.66	.61	.57
621-AP432AYL-13	AP432AYL-13	SOT89-3L	± 0.5%	1.24V	20V	800mW	.72	.66	.61	.57
621-AP432L-13	AP432L-13	SOP-8L	± 1%	1.24V	20V	600mW	1.00	.92	.86	.80
621-AP432QL-7	AP432QL-7	SOT25	± 1%	1.24V	20V	250mW	1.11	1.02	.95	.89
621-AP432RG-7	AP432RG-7	SC59	± 1%	1.24V	20V	400mW	.51	.46	.43	.41
621-AP432SAG-7	AP432SAG-7	SOT23	± 1%	1.24V	20V	250mW	.72	.66	.61	.57
621-AP432VL-A	AP432VL-A	SOP-8L	± 1%	1.24V	20V	600mW	.66	.60	.56	.52
621-AP432WG-7	AP432WG-7	SC59	± 1%	1.24V	20V	400mW	.51	.46	.43	.41
621-AP432YL-13	AP432YL-13	SOT89-3L	± 1%	1.24V	20V	800mW	.72	.66	.61	.57

DUAL USB HIGH-SIDE POWER SWITCH

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Enable	Operating Voltage	Current Limit	Operating Temperature	Price Each			
							1	25	50	100
621-AP1212HSL-U	AP1212HSL-U	SOP-8L	Active-High	2.7V - 5.5V	1.25A	-40°C - 85°C	1.79	1.64	1.54	1.43

LOW POWER DUAL COMPARATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Output Bus	Supply Voltage	Supply Current @ 5V	Offset Voltage	Price Each			
							1	25	50	100
621-AP393NL-U	AP393NL-U	PDIP-8L	Open collect	2V - 36V	0.4mA	3mV	.49	.45	.42	.40
621-AP393SL-13	AP393SL-13	SOP-8L	Open collect	2V - 36V	0.4mA	3mV	.47	.43	.40	.38

LOW POWER DUAL OPERATIONAL AMPLIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Output Bus	Supply Voltage	Supply Current @ 5V	Offset Voltage	Price Each			
							1	25	50	100
621-AP358NL-U	AP358NL-U	PDIP-8L	Push-pull	3V - 32V	0.5mA	2mV	.49	.45	.42	.40
621-AP358SG-13	AP358SG-13	SOP-8L	Push-pull	3V - 32V	0.5mA	2mV	.47	.43	.40	.38

DIODES INC. DC-DC Power Management ICs

DIODES INCORPORATED

DC-DC CONTROLLERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Type	Package	Input Voltage	Driving Current	Output Channel	Price Each			
							1	25	50	100
621-AP2004SG-13	AP2004SG-13	Buck	SOP-8L	28V	200mA	1	1.67	1.53	1.43	1.34
621-AP2007SL-13	AP2007SL-13	Buck	SOP-8L	20V	9.5mA	1	5.44	4.98	4.66	4.35
621-AP2008SG-13	AP2008SG-13	Buck	SOP-8L	20V	200mA	1	2.60	2.37	2.23	2.08
621-AP2014ASL-13	AP2014ASL-13	Buck	SOP-8L	20V	3000mA	1	2.47	2.26	2.12	1.98
621-AP2014SL-13	AP2014SL-13	Buck	SOP-8L	20V	3000mA	1	2.18	1.99	1.87	1.74
621-AP2001SL-13	AP2001SL-13	Buck/Boost/Inverter	SOP-16L	3.6V - 40V	20mA	2	1.94	1.78	1.66	1.55

DC-DC CONVERTERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Type	Package	Input Voltage	Output Voltage	Output Current	Price Each			
							1	25	50	100
621-AP1603WL-7	AP1603WL-7	Boost	SOT26	0.9V - 5.5V	2V - 5.5V	0.3A	2.91	2.66	2.49	2.33
621-AP1609SG-13	AP1609SG-13	Boost	SOP-8L	2.5V - 6V	3.0V - 17V	2.4A	2.91	2.66	2.49	2.33
621-AP1501A-K5L-U	AP1501A-K5L-U	Buck	TO263-5L	40V	1.23V - 37V	5A	7.17	6.56	6.15	5.74
621-AP1501A-T5L-U	AP1501A-T5L-U	Buck	TO220-5L	40V	1.23V - 37V	5A	6.93	6.33	5.94	5.54
621-AP1501-33K5L-U	AP1501-33K5L-U	Buck	TO263-5L	40V	3.3V	3A	4.58	4.18	3.92	3.66
621-AP1501-33T5L-U	AP1501-33T5L-U	Buck	TO220-5L	40V	3.3V	3A	3.83	3.51	3.29	3.07
621-AP1501-50K5L-U	AP1501-50K5L-U	Buck	TO263-5L	40V	5.0V	3A	4.58	4.18	3.92	3.66
621-AP1501-50T5L-U	AP1501-50T5L-U	Buck	TO220-5L	40V	5.0V	3A	3.83	3.51	3.29	3.07
621-AP1501-12K5L-13	AP1501-12K5L-13	Buck	TO263-5L	40V	12V	3A	.87	.79	.74	.69
621-AP1501-12T5L-U	AP1501-12T5L-U	Buck	TO220-5L	40V	12V	3A	3.83	3.51	3.29	3.07
621-AP1501K5L-U	AP1501K5L-U	Buck	TO263-5L	40V	1.23V - 37V	3A	7.17	6.56	6.15	5.74
621-AP1501T5L-U	AP1501T5L-U	Buck	TO220-5L	40V	1.23V - 37V	3A	3.83	3.51	3.29	3.07
621-AP1501A-33T5L-U	AP1501A-33T5L-U	Buck	TO220-5L	40V	3.3V	5A	6.93	6.33	5.94	5.54
621-AP1501A-50K5L-U	AP1501A-50K5L-U	Buck	TO263-5L	40V	5.0V	5A	7.17	6.56	6.15	5.74
621-AP1501A-50T5L-U	AP1501A-50T5L-U	Buck	TO220-5L	40V	5.0V	5A	6.93	6.33	5.94	5.54
621-AP1501A-12K5L-U	AP1501A-12K5L-U	Buck	TO263-5L	40V	12V	5A	4.58	4.18	3.92	3.66
621-AP1506-K5L-13	AP1506-K5L-13	Buck	TO263-5L	24V	1.23V - 18V	3A	3.59	3.28	3.07	2.87
621-AP1506-33K5L-U	AP1506-33K5L-U	Buck	TO263-5L	24V	3.3V	3A	3.09	2.83	2.65	2.47
621-AP1506-33T5L-U	AP1506-33T5L-U	Buck	TO220-5L	24V	3.3V	3A	3.59	3.28	3.07	2.87
621-AP1506-50K5L-13	AP1506-50K5L-13	Buck	TO263-5L	24V	5.0V	3A	3.09	2.83	2.65	2.47
621-AP1506-50K5L-U	AP1506-50K5L-U	Buck	TO263-5L	24V	5.0V	3A	3.29	2.87	2.12	1.81
621-AP1506-50T5RL-U	AP1506-50T5RL-U	Buck	TO220-5L(R)	24V	5.0V	3A	3.09	2.83	2.65	2.47
621-AP1506-12K5L-U	AP1506-12K5L-U	Buck	TO263-5L	24V	12V	3A	4.58	4.18	3.92	3.66
621-AP1506-12T5L-U	AP1506-12T5L-U	Buck	TO220-5L	24V	12V	3A	3.09	2.83	2.65	2.47
621-AP1507-33D5L-13	AP1507-33D5L-13	Buck	TO252-5L	24V	3.3V	3A	2.60	2.37	2.23	2.08
621-AP1507-50D5L-13	AP1507-50D5L-13	Buck	TO252-5L	24V	5.0V	3A	2.60	2.37	2.23	2.08
621-AP1507-12D5L-13	AP1507-12D5L-13	Buck	TO252-5L	24V	12V	3A	2.60	2.37	2.23	2.08
621-AP1509-33SL-U	AP1509-33SL-U	Buck	SOP-8L	24V	3.3V	2A	2.16	1.98	1.86	1.79
621-AP1509-12SL-13	AP1509-12SL-13	Buck	SOP-8L	24V	12V	2A	2.16	1.98	1.86	1.79
621-AP1510SL-13	AP1510SL-13	Buck	SOP-8L	23V	0.8V - Vcc	3A	4.33	3.96	3.71	3.46
621-AP1511SL-13	AP1511SL-13	Buck	SOP-16L	23V	0.8V - Vcc	5A	5.38	4.92	4.61	4.30
621-AP1512-K5L-13	AP1512-K5L-13	Buck	TO263-5L	60V	1.23V - 37V	2A	9.40	8.59	8.06	7.52
621-AP1512-T5L-U	AP1512-T5L-U	Buck	TO220-5L	60V	1.23V - 37V	2A	9.65	8.82	8.27	7.72
621-AP1512-33K5L-13	AP1512-33K5L-13	Buck	TO263-5L	60V	3.3V	2A	9.40	8.59	8.06	7.52
621-AP1512-33T5L-U	AP1512-33T5L-U	Buck	TO220-5L	60V	3.3V	2A	9.77	8.93	8.37	7.82
621-AP1512-50K5L-13	AP1512-50K5L-13	Buck	TO263-5L	60V	5.0V	2A	9.40	8.59	8.06	7.52
621-AP1512-50T5L-U	AP1512-50T5L-U	Buck	TO220-5L	60V	5.0V	2A	9.77	8.93	8.37	7.82
621-AP1512A-K5L-13	AP1512A-K5L-13	Buck	TO263-5L	60V	1.23V - 37V	3A	9.77	8.93	8.37	7.82
621-AP1512A-T5L-U	AP1512A-T5L-U	Buck	TO220-5L	60V	1.23V - 37V	3A	9.77	8.93	8.37	7.82
621-AP1512A-33K5L-13	AP1512A-33K5L-13	Buck	TO263-5L	60V	3.3V	3A	9.77	8.93	8.37	7.82
621-AP1512A-33T5L-U	AP1512A-33T5L-U	Buck	TO220-5L	60V	3.3V	3A	9.77	8.93	8.37	7.82
621-AP1512A-50K5L-13	AP1512A-50K5L-13	Buck	TO263-5L	60V	5.0V	3A	9.77	8.93	8.37	7.82
621-AP1512A-50T5L-U	AP1512A-50T5L-U	Buck	TO220-5L	60V	5.0V	3A	9.77	8.93	8.37	7.82
621-AP1513SG-13	AP1513SG-13	Buck	SOP-8L	18V	0.8V - Vcc	2A	2.41	2.20	2.07	2.00
621-AP1520SL-13	AP1520SL-13	Buck	SOP-8L	23V	0.8V - Vcc	2A	3.28	3.00	2.81	2.62
621-AP1604AWG-7	AP1604AWG-7	Buck	SOT25	2.2V - 5.5V	Adjustable	1A	2.54	2.32	2.17	2.03
621-AP1605SL-13	AP1605SL-13	Buck	SOP-8L	2.5V - 7V	2.5V - 7V	3A	2.91	2.66	2.49	2.33
621-AP34063S8L-13	AP34063S8L-13	Buck/Boost/Inverter	SOP-8L	3V - 40V	Adjustable	1.5A	.63	.58	.54	.50

MICROPROCESSOR RESET CIRCUITS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Type	Package	Operating Voltage	Quiescent Current	Detect Voltage	Price Each			
							1	25	50	100
621-AP1701AWL-7	AP1701AWL-7	Active Low	SC59	1V - 5.5V	19μA	4.63V	.79	.72	.68	.66
621-AP1701CWL-7	AP1701CWL-7	Active Low	SC59	1V - 5.5V	19μA	4.00V	.79	.72	.68	.66
621-AP1701DWG-7	AP1701DWG-7	Active Low	SC59	1V - 5.5V	19μA	3.08V	.79	.72	.68	.63
621-AP1701EWL-7	AP1701EWL-7	Active Low	SC59	1V - 5.5V	19μA	2.93V	.79	.72	.68	.66
621-AP1701FWL-7	AP1701FWL-7	Active Low	SC59	1V - 5.5V	19μA	2.63V	.79	.72	.68	.66
621-AP1702AWL-7	AP1702AWL-7	Active High	SC59	1V - 5.5V	19μA	4.63V	.79	.72	.68	.66
621-AP1702BWL-7	AP1702BWL-7	Active High	SC59	1V - 5.5V	19μA	4.38V	.79	.72	.68	.66
621-AP1702CWL-7	AP1702CWL-7	Active High	SC59	1V - 5.5V	19μA	4.00V	.79	.72	.68	.66
621-AP1702DWG-7	AP1702DWG-7	Active High	SC59	1V - 5.5V	19μA	3.08V	.79	.72	.68	.63
621-AP1702EWG-7	AP1702EWG-7	Active High	SC59	1V - 5.5V	19μA	2.93V	.79	.72	.68	.63
621-AP1702FWG-7	AP1702FWG-7	Active High	SC59	1V - 5.5V	19μA	2.63V	.79	.72	.68	.63
621-AP1703BWG-7	AP1703BWG-7	Active Low	SC59	1V - 5.5V	19μA	4.38V	.79	.72	.68	.63
621-AP1703CWL-7	AP1703CWL-7	Active Low	SC59	1V - 5.5V	19μA	4.00V	.79	.72	.68	.66
621-AP1703DWL-7	AP1703DWL-7	Active Low	SC59	1V - 5.5V	19μA	3.08V	.79	.72	.68	.66
621-AP1703EWL-7	AP1703EWL-7	Active Low	SC59	1V - 5.5V	19μA	2.93V	.79	.72	.68	.66
621-AP1703FWG-7	AP1703FWG-7	Active Low	SC59	1V - 5.5V	19μA	2.63V	.79	.72	.68	.63
621-AP1704AWG-7	AP1704AWG-7	Active High	SC59	1V - 5.5V	19μA	4.63V	.79	.72	.68	.63

DIODES INC. Linear Voltage Regulators

For quantities of 500 and up, call for quote.

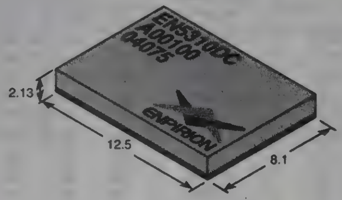
MOUSER STOCK NO.	Diodes Inc. Part No.	Type	Package	Max. Input Voltage	Output Voltage	Dropout Voltage	Max. Output Current	Price Each			
								1	25	50	100
621-AP130-15RG-7	AP130-15RG-7	Low Dropout	SC59R-3L	7V	1.5V	0.5V	0.35A	.57	.47	.39	.33
621-AP130-15WL-7	AP130-15WL-7	Low Dropout	SC59	7V	1.5V	0.5V	0.35A	1.94	1.78	1.66	1.55
621-AP130-18SAL-7	AP130-18SAL-7	Low Dropout	SOT-23	7V	1.8V	0.5V	0.35A	.66	.60	.56	.52
621-AP130-18WL-7	AP130-18WL-7	Low Dropout	SC59	7V	1.8V	0.5V	0.35A	.92	.84	.78	.73
621-AP130-20SAL-7	AP130-20SAL-7	Low Dropout	SOT-23	7V	2.0V	0.5V	0.35A	.66	.60	.56	.52
621-AP130-20WL-7	AP130-20WL-7	Low Dropout	SC59	7V	2.0V	0.5V	0.35A	.72	.66	.61	.57
621-AP130-30SAL-7	AP130-30SAL-7	Low Dropout	SOT-23	7V	3.0V	0.5V	0.35A	.66	.60	.56	.52
621-AP130-33YRL-13	AP130-33YRL-13	Low Dropout	SOT89R	7V	3.3V	0.5V	0.35A	.66	.60	.56	.52
621-AP130-35RG-7	AP130-35RG-7	Low Dropout	SC59R-3L	7V	3.5V	0.5V	0.35A	.78	.71	.67	.62
621-AP131-15YL-13	AP131-15YL-13	Low Dropout	SOT89	7V	1.5V	0.5V	0.35A	.93	.85	.80	.74
621-AP131-18YL-13	AP131-18YL-13	Low Dropout	SOT89	7V	1.8V	0.5V	0.35A	.78	.71	.67	.62
621-AP131-20WL-7	AP131-20WL-7	Low Dropout	SC59	7V	2.0V	0.5V	0.35A	.89	.81	.76	.71
621-AP131-28WL-7	AP131-28WL-7	Low Dropout	SC59	7V	2.8V	0.5V	0.35A	.80	.74	.69	.64
621-AP131-30WL-7	AP131-30WL-7	Low Dropout	SC59	7V	3.0V	0.5V	0.35A	.80	.74	.69	.64
621-AP131-33WL-7	AP131-33WL-7	Low Dropout	SC59	7V	3.3V	0.5V	0.35A	.80	.74	.69	.64
621-AP131-35WL-7	AP131-35WL-7	Low Dropout	SC59	7V	3.5V	0.5V	0.35A	.80	.74	.69	.64
621-AP131-35YL-13	AP131-35YL-13	Low Dropout	SOT89	7V	3.5V	0.5V	0.35A	.89	.81	.76	.71
621-AP139-25WL-7	AP139-25WL-7	Low Dropout	SC59	7V	2.5V	0.5V	0.3A	.87	.79	.74	.69
621-AP139-30WL-7	AP139-30WL-7	Low Dropout	SC59	7V	3.0V	0.5V	0.3A	.87	.79	.74	.69
621-AP139-35WL-7	AP139-35WL-7	Low Dropout	SC59	7V	3.5V	0.5V	0.3A	.87	.79	.74	.69
621-AP1184K518L-U	AP1184K518L-U	High-eff. Quasi-LDO	TO263-5L	16V/18V	1.8V	0.85V	4A	.99	.90	.85	.79
621-AP1184K533L-13	AP1184K533L-13	High-eff. Quasi-LDO	TO263-5L	16V/18V	3.3V	0.85V	4A	2.33	2.13	1.99	1.86
621-AP1184K5L-13	AP1184K5L-13	High-eff. Quasi-LDO	TO263-5L	16V/18V	Adjustable	0.85V	4A	2.33	2.13	1.99	1.86
621-AP1184T518L-U	AP1184T518L-U	High-eff. Quasi-LDO	TO220-5L	16V/18V	1.8V	0.85V	4A	2.33	2.13	1.99	1.86
621-AP1186K515L-U	AP1186K515L-U	High-eff. Quasi-LDO	TO263-5L	16V	1.5V	0.5V	1.5A	2.60	2.37	2.23	2.08
621-AP1186K518L-U	AP1186K518L-U	High-eff. Quasi-LDO	TO263-5L	16V	1.8V	0.5V	1.5A	2.60	2.37	2.23	2.08
621-AP1186K533L-13	AP1186K533L-13	High-eff. Quasi-LDO	TO263-5L	16V	3.3V	0.5V	1.5A	1.79	1.64	1.54	1.43
621-AP1186K5L-13	AP1186K5L-13	High-eff. Quasi-LDO	TO263-5L	16V	Adjustable	0.5V	1.5A	1.79	1.64	1.54	1.43
621-AP1186T515L-U	AP1186T515L-U	High-eff. Quasi-LDO	TO220-5L	16V	1.5V	0.5V	1.5A	1.79	1.64	1.54	1.43
621-AP1186T525L-U	AP1186T525L-U	High-eff. Quasi-LDO	TO220-5L	16V	2.5V	0.5V	1.5A	1.79	1.64	1.54	1.43
621-AP1084D18L-13	AP1084D18L-13	Quasi-LDO	TO252-3L	12V	1.8V	1.4V	5A	1.40	1.28	1.20	1.12
621-AP1084D33L-13	AP1084D33L-13	Quasi-LDO	TO252-3L	12V	3.3V	1.4V	5A	1.40	1.28	1.20	1.12
621-AP1084D50L-13	AP1084D50L-13	Quasi-LDO	TO252-3L	12V	5.0V	1.4V	5A	1.40	1.28	1.20	1.12
621-AP1084DL-13	AP1084DL-13	Quasi-LDO	TO252-3L	12V	Adjustable	1.4V	5A	1.40	1.28	1.20	1.12
621-AP1084K18L-13	AP1084K18L-13	Quasi-LDO	TO263-3L	12V	1.8V	1.4V	5A	1.51	1.38	1.29	1.21
621-AP1084K33L-13	AP1084K33L-13	Quasi-LDO	TO263-3L	12V	3.3V	1.4V	5A	1.51	1.38	1.29	1.21
621-AP1084K50L-13	AP1084K50L-13	Quasi-LDO	TO263-3L	12V	5.0V	1.4V	5A	1.51	1.38	1.29	1.21
621-AP1084KL-13	AP1084KL-13	Quasi-LDO	TO263-3L	12V	Adjustable	1.4V	5A	1.51	1.38	1.29	1.21
621-AP1084T33L-U	AP1084T33L-U	Quasi-LDO	TO220-3L	12V	3.3V	1.4V	5A	1.51	1.38	1.29	1.21
621-AP1084TL-U	AP1084TL-U	Quasi-LDO	TO220-3L	12V	Adjustable	1.4V	5A	1.51	1.38	1.29	1.21
621-AP1086D15L-13	AP1086D15L-13	Quasi-LDO	TO252-3L	12V	1.5V	1.4V	1.5A	1.48	1.36	1.27	1.19
621-AP1086D18L-13	AP1086D18L-13	Quasi-LDO	TO252-3L	12V	1.8V	1.4V	1.5A	1.48	1.36	1.27	1.19
621-AP1086D25L-13	AP1086D25L-13	Quasi-LDO	TO252-3L	12V	2.5V	1.4V	1.5A	1.48	1.36	1.27	1.19
621-AP1086D33L-13	AP1086D33L-13	Quasi-LDO	TO252-3L	12V	3.3V	1.4V	1.5A	1.48	1.36	1.27	1.19
621-AP1086DL-13	AP1086DL-13	Quasi-LDO	TO252-3L	12V	Adjustable	1.4V	1.5A	1.48	1.36	1.27	1.19
621-AP1086K18L-13	AP1086K18L-13	Quasi-LDO	TO263-3L	12V	1.8V	1.4V	1.5A	1.51	1.38	1.29	1.21
621-AP1086K33L-13	AP1086K33L-13	Quasi-LDO	TO263-3L	12V	3.3V	1.4V	1.5A	1.51	1.38	1.29	1.21
621-AP1086KL-13	AP1086KL-13	Quasi-LDO	TO263-3L	12V	Adjustable	1.4V	1.5A	1.51	1.38	1.29	1.21
621-AP1086T33L-U	AP1086T33L-U	Quasi-LDO	TO220-3L	12V	3.3V	1.4V	1.5A	1.51	1.38	1.29	1.21
621-AP1086TL-U	AP1086TL-U	Quasi-LDO	TO220-3L	12V	Adjustable	1.4V	1.5A	1.51	1.38	1.29	1.21
621-AP1115AY18L-13	AP1115AY18L-13	Quasi-LDO	SOT-89	18V	1.8V	1.3V	600mA	.51	.46	.43	.41
621-AP1115AY33L-13	AP1115AY33L-13	Quasi-LDO	SOT-89	18V	3.3V	1.3V	600mA	.51	.46	.43	.41
621-AP1115AYL-13	AP1115AYL-13	Quasi-LDO	SOT-89	18V	Adjustable	1.3V	600mA	.51	.46	.43	.41
621-AP1115BY18L-13	AP1115BY18L-13	Quasi-LDO	SOT-89	18V	1.8V	1.3V	600mA	.51	.46	.43	.41
621-AP1115BY33L-13	AP1115BY33L-13	Quasi-LDO	SOT-89	18V	3.3V	1.3V	600mA	.51	.46	.43	.41
621-AP1115BYL-13	AP1115BYL-13	Quasi-LDO	SOT-89	18V	Adjustable	1.3V	600mA	.51	.46	.43	.41
621-AP1117D15L-13	AP1117D15L-13	Quasi-LDO	TO252-3L	12V	1.5V	1.4V	1A	.92	.84	.78	.73
621-AP1117D18L-13	AP1117D18L-13	Quasi-LDO	TO252-3L	12V	1.8V	1.4V	1A	.92	.84	.78	.73
621-AP1117D25L-13	AP1117D25L-13	Quasi-LDO	TO252-3L	12V	2.5V	1.4V	1A	.92	.84	.78	.73
621-AP1117D33L-13	AP1117D33L-13	Quasi-LDO	TO252-3L	12V	3.3V	1.4V	1A	.92	.84	.78	.73
621-AP1117DL-13	AP1117DL-13	Quasi-LDO	TO252-3L	12V	Adjustable	1.4V	1A	.92	.84	.78	.73
621-AP1117E15G-13	AP1117E15G-13	Quasi-LDO	SOT223-3L	12V	1.5V	1.4V	1A	.58	.53	.50	.47
621-AP1117E18G-13	AP1117E18G-13	Quasi-LDO	SOT223-3L	12V	1.8V	1.4V	1A	.58	.53	.50	.47
621-AP1117E25G-13	AP1117E25G-13	Quasi-LDO	SOT223-3L	12V	2.5V	1.4V	1A	.58	.53	.50	.47
621-AP1117E33G-13	AP1117E33G-13	Quasi-LDO	SOT223-3L	12V	3.3V	1.4V	1A	.58	.53	.50	.47
621-AP1117E50G-13	AP1117E50G-13	Quasi-LDO	SOT223-3L	12V	5.0V	1.4V	1A	.58	.53	.50	.47
621-AP1117EG-13	AP1117EG-13	Quasi-LDO	SOT223-3L	12V	Adjustable	1.4V	1A	.58	.53	.50	.47
621-AP1117K18L-13	AP1117K18L-13	Quasi-LDO	TO263-3L	12V	1.8V	1.4V	1A	1.30	1.19	1.11	1.04
621-AP1117K33L-13	AP1117K33L-13	Quasi-LDO	TO263-3L	12V	3.3V	1.4V	1A	1.30	1.19	1.11	1.04
621-AP1117KL-13	AP1117KL-13	Quasi-LDO	TO263-3L	12V	Adjustable	1.4V	1A	1.30	1.19	1.11	1.04
621-AP1117T33L-U	AP1117T33L-U	Quasi-LDO	TO220-3L	12V	3.3V	1.4V	1A	1.30	1.19	1.11	1.04
621-AP1117TL-U	AP1117TL-U	Quasi-LDO	TO220-3L	12V	Adjustable	1.4V	1A	1.30	1.19	1.11	1.04
621-AP1117Y33L-13	AP1117Y33L-13	Quasi-LDO	SOT89-3L	12V	3.3V	1.4V	1A	.74	.68	.64	.59
621-AP1117YL-13	AP1117YL-13	Quasi-LDO	SOT89-3L	12V	Adjustable	1.4V	1A	.74	.68	.64	.59
621-AP1118D33L-13	AP1118D33L-13	Quasi-LDO	TO252-5L	18V	3.3V	1.4V	1A	1.11	1.02	.95	.89
621-AP1118S33L-13	AP1118S33L-13	Quasi-LDO	SOP-8L	18V	3.3V	1.4V	1A	1.48	1.36	1.27	1.19
621-AP1119Y18L-13	AP1119Y18L-13	Quasi-LDO	SOT89-5L	18V	1.8V	1.3V	500mA	1.11	1.02	.95	.89
621-AP1119Y33L-13	AP1119Y33L-13	Quasi-LDO	SOT89-5L	18V	3.3V	1.3V	500mA	1.11	1.02	.95	.89
621-AP1120SBL-13	AP1120SBL-13	Quasi-LDO	SOP-8L	18V	3.3V/1.8V	1.3V	1A	1.24	1.13	1.06	.99
621-AP1120SL-13	AP1120SL-13	Quasi-LDO	SOP-8L	18V	3.3V/2.5V	1.3V	1A	1.24	1.13	1.06	.99
621-AP1121ASL-13	AP1121ASL-13	Quasi-LDO	SOP-8L	18V	3.3V/2.5V	1.3V	1A	1.24	1.13	1.06	.99
621-AP1121BSL-U	AP1121BSL-U	Quasi-LDO	SOP-8L	18V	3.3V/1.8V	1.3V	1A	1.24	1.13	1.06	.99
621-AP1122EG-13	AP1122EG-13	Quasi-LDO	SOT223-3L	12V	1.2V	1.3V	1A	1.11	1.02	.95	.89
621-AP1122YL-13	AP1122YL-13	Quasi-LDO	SOT89-3L	12V	1.2V	1.3V	1A	.99	.90	.85	.82

ENPIRION DC-DC Converters

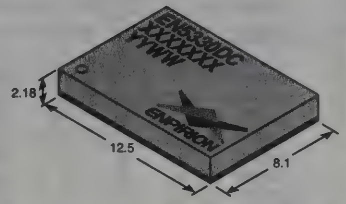
Products may be RoHS compliant.
Check mouser.com for RoHS status.

ENPIRION

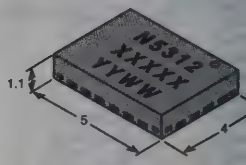
A



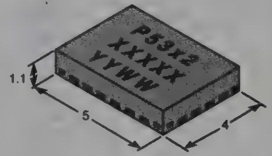
B



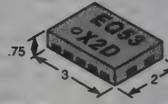
C



D



E



DIMENSIONS: mm

Enpirion is a provider of highly integrated power management solutions, and leverages advances in Power Semiconductor Devices and CMOS-compatible Magnetics to deliver the world's first complete DC-DC conversion in an IC package. Enpirion solutions reduce footprint by up to 70%, reduce parts count by as much as 60%, and dramatically ease the design constraints associated with switch-mode DC-DC converters.

Enpirion makes the industry's smallest Power System on Silicon (PSoS) - the first ultra-integrated all-silicon DC-to-DC converter, and the first to feature an integrated inductor. Enpirion's patented approach capitalizes on semiconductor geometry advances that enable a 10x switching-frequency improvement - integrating a PWM controller, power FETs, compensation circuitry, and magnetic components into a single turnkey IC package.

Enpirion manufactures a growing line of Switch-mode DC-DC converters with integrated inductor. Integration of the inductor sets Enpirion products apart from the competition. The layout and placement of the inductor is one of the most common reasons for power IC related failures. Enpirion solves this problem, reduces foot print, reduces part count, and reduces noise associated with switch-mode power conversion. Applications include high volume consumer products such as mobile phones, portable game players, MP3 and personal media players, as well as data networking, telecoms, user terminal equipment such as set top box, and of course notebook and desktop PC.

ENPIRION DC-DC CONVERTER / SWITCHER - POL PRODUCTS

NEW FROM SUPPLIER

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Enpirion Part No.	Fig.	Package	Dimensions	Input (VDC)	Output (VDC)	Max. Continous Load (A)	Price Each			
								1	25	50	100
884-EN5310DC	EN5310DC	A	DFN-36	8.1x12.5x2.2	2.375 - 5.5	0.8-3.3	1.0	4.36	4.28	4.20	3.59
884-EN5330DC	EN5330DC	B	DFN-36	8.1x12.5x2.2	2.375 - 5.5	0.8-3.3	3.0	5.30	5.20	5.11	4.37
884-EN5360DC	EN5360DC	–	DFN-48	8.1x17x2.2	2.375 - 5.5	0.8-3.3	6.0	7.56	7.43	7.29	6.19
884-EN5312QI	EN5312QI	C	QFN-20	4x5x1.1	2.4 - 5.5	0.8-3.3	1.0	2.70	2.65	2.60	2.21
884-EN5335QI	EN5335QI	——	QFN-44	7.5x10x1.85	2.375 -5.5	0.8-3.3	3.0	5.61	5.51	5.41	4.59
884-EN5336QI	EN5336QI	——	QFN-44	7.5x10x1.85	2.375 -5.5	0.8-3.3	3.0	5.61	5.51	5.41	4.59
884-EN5365QI	EN5365QI	——	QFN-58	10x12x1.85	2.375 -5.5	0.8-3.3	6.0	8.30	8.26	8.22	8.18
884-EN5366QI	EN5366QI	——	QFN-58	10x12x1.85	2.375 -5.5	0.8-3.3	6.0	8.30	8.26	8.22	8.18

ENPIRION DC-DC CONVERTER / SWITCHER - LOW POWER PRODUCTS (MOBILE)

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Enpirion Part No.	Fig.	Package	Dimensions	Input (VDC)	Output (VDC)	Max. Continous Load (A)	Price Each			
								1	25	50	100
884-EP5352QI	EP5352QI	D	QFN-20	4x5x1.1	2.4 - 5.5	0.6-3.3	0.5	2.15	2.11	2.07	1.76
884-EP5362QI	EP5362QI	D	QFN-20	4x5x1.1	2.4 - 5.5	0.6-3.3	0.6	2.31	2.27	2.23	1.89
884-EP5382QI	EP5382QI	D	QFN-20	4x5x1.1	2.4 - 5.5	0.6-3.3	0.8	2.50	2.46	2.41	2.05

ENPIRION DC-DC REGULATOR / SWITCHER - (REGULATOR ONLY)

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Enpirion Part No.	Fig.	Package	Dimensions	Input (VDC)	Output (VDC)	Max. Continous Load (A)	Price Each			
								1	25	50	100
884-EQ5352DI	EQ5352DI	E	DFN-10	2x3x0.75	2.4 - 5.5	0.6-3.3	0.5	1.38	1.36	1.33	1.14
884-EQ5362DI	EQ5362DI	E	DFN-10	2x3x0.75	2.4 - 5.5	0.6-3.3	0.6	1.57	1.55	1.52	1.30
884-EQ5382DI	EQ5382DI	E	DFN-10	2x3x0.75	2.4 - 5.5	0.6-3.3	0.8	1.77	1.73	1.70	1.46

ENPIRION EVALUATION BOARDS

MOUSER STOCK NO.	Enpirion Part No.	Input (VDC)	Output (VDC)	Max. Current Out	Price Each
884-EN5310DC-E	EN5310DC-E	2.375 - 5.5	0.8-3.3	1.0	69.09
884-EN5330DC-E	EN5330DC-E	2.375 - 5.5	0.8-3.3	3.0	69.09
884-EN5360DC-E	EN5360DC-E	2.375 - 5.5	0.8-3.3	6.0	69.09
884-EN5312QI-E	EN5312QI-E	2.4 - 5.5	0.8-3.3	1.0	69.09
884-EP5352QI-E	EP5352QI-E	2.4 - 5.5	0.6-3.3	0.5	54.99
884-EP5362QI-E	EP5362QI-E	2.4 - 5.5	0.6-3.3	0.6	54.99
884-EP5382QI-E	EP5382QI-E	2.4 - 5.5	0.6-3.3	0.8	54.99
884-EQ5352DI-E	EQ5352DI-E	2.4 - 5.5	0.6-3.3	0.5	54.99
884-EQ5362DI-E	EQ5362DI-E	2.4 - 5.5	0.6-3.3	0.6	54.99
884-EQ5382DI-E	EQ5382DI-E	2.4 - 5.5	0.6-3.3	0.8	54.99

FAIRCHILD Voltage Regulators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

GENERAL PURPOSE VOLTAGE REGULATORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	No. of Outputs	Output Level	Output Voltage Typ.V	Input Voltage Max V	ADJ Output Voltage		Output Current Typ. A	Voltage Drop Max V	Price Each			
							Min V	Max V			1	25	100	250
512-KA317LZTF	KA317LZTF	TO-92	1	Positive	ADJ	40	1.2	37	0.1	3	.31	.27	.23	.16
512-KA317MRTF	KA317MRTF	TO-252	1	Positive	ADJ	40	1.2	37	0.5	3	.58	.50	.42	.30
512-KA317MTU	KA317MTU	TO-220	1	Positive	ADJ	40	1.2	37	0.5	3	.58	.50	.42	.30
512-KA317TU	KA317TU	TO-220	1	Positive	ADJ	40	1.2	37	1.5	3	.62	.55	.45	.33
512-KA337TU	KA337TU	TO-220	1	Negative	ADJ	40	1.2	37	1.5	3	.67	.59	.49	.35
512-KA350TU	KA350TU	TO-220	1	Positive	ADJ	35	1.2	33	3	3	1.68	1.47	1.22	.88
512-KA723	KA723	DIP-14	1	Positive	ADJ	40	2	37	0.15	38	.56	.42	.32	.23
◆512-KA723DTF	KA723DTF	SOP-14	1	Positive	ADJ	40	2	37	0.15	38	.67	.59	.49	.35
512-KA7630	KA7630	SIP-10	3	Positive	5.1	20	-	-	0.5	2.5	1.30	1.13	.94	.68
512-KA7631	KA7631	SIP-10	3	Positive	5.1	20	-	-	0.5	2.5	1.30	1.13	.94	.68
512-KA7632	KA7632	SIP-10	3	Positive	3.3	20	-	-	0.5	2.5	1.44	1.26	1.04	.76
512-KA7805AETU	KA7805AETU	TO-220	1	Positive	5	35	-	-	1	2	.47	.41	.34	.25
512-KA7806TU	KA7806TU	TO-220	1	Positive	6	35	-	-	1	2	.50	.46	.39	.33
512-KA7818ATU	KA7818ATU	TO-220	1	Positive	18	35	-	-	1	2	.55	.46	.33	.26
512-KA7824TU	KA7824TU	TO-220	1	Positive	24	40	-	-	1	2	.55	.46	.33	.26
512-KA78M05RTM	KA78M05RTM	TO-252	1	Positive	5	35	-	-	0.5A	2	.62	.55	.45	.33
512-KA78M05TU	KA78M05TU	TO-220	1	Positive	5	35	-	-	0.5	2	.53	.46	.38	.28
512-KA78M06RTF	KA78M06RTF	TO-252	1	Positive	6	35	-	-	0.5	2	.62	.55	.45	.33
512-KA78M06TU	KA78M06TU	TO-220	1	Positive	6	35	-	-	0.5	2	.53	.46	.38	.28
512-KA78M08RTF	KA78M08RTF	TO-252	1	Positive	8	35	-	-	0.5	2	.62	.55	.45	.33
512-KA78M08TU	KA78M08TU	TO-220	1	Positive	8	35	-	-	0.5	2	.53	.46	.38	.28
512-KA78M12RTF	KA78M12RTF	TO-252	1	Positive	12	35	-	-	0.5	2	.62	.55	.45	.33
512-KA78M12TU	KA78M12TU	TO-220	1	Positive	12	35	-	-	0.5	2	.53	.46	.38	.28
512-KA78M15TU	KA78M15TU	TO-220	1	Positive	15	35	-	-	0.5	2	.53	.46	.38	.28
512-KA78M18TU	KA78M18TU	TO-220	1	Positive	18	35	-	-	0.5	2	.55	.46	.33	.26
512-KA78M24TU	KA78M24TU	TO-220	1	Positive	24	40	-	-	0.5	2	.53	.46	.38	.28
512-KA78T12TU	KA78T12TU	TO-220	1	Positive	12	35	-	-	3	2.2	1.44	1.26	1.04	.76
512-KA78T15TU	KA78T15TU	TO-220	1	Positive	15	40	-	-	3	2.2	1.44	1.26	1.04	.76
512-KA7905ATU	KA7905ATU	TO-220	1	Negative	5	35	-	-	1	2	.53	.46	.38	.28
512-KA7906TU	KA7906TU	TO-220	1	Negative	6	35	-	-	1	2	.53	.46	.38	.28
512-KA7908TU	KA7908TU	TO-220	1	Negative	8	35	-	-	1	2	.53	.46	.38	.28
512-KA7912ATU	KA7912ATU	TO-220	1	Negative	12	35	-	-	1	2	.53	.46	.38	.28
512-KA7915ATU	KA7915ATU	TO-220	1	Negative	15	35	-	-	1	2	.53	.46	.38	.28
512-KA7918TU	KA7918TU	TO-220	1	Negative	18	35	-	-	1	2	.53	.46	.38	.28
512-KA7924TU	KA7924TU	TO-220	1	Negative	24	35	-	-	1	2	.53	.46	.38	.28
512-KA79L05AZTA	KA79L05AZTA	TO-92	1	Negative	5	30	-	-	0.1	1.7	.29	.25	.21	.15
512-KA79L08AZTA	KA79L08AZTA	TO-92	1	Negative	8	30	-	-	0.1	1.7	.29	.25	.21	.15
512-KA79L12AZTA	KA79L12AZTA	TO-92	1	Negative	12	35	-	-	0.1	1.7	.29	.25	.21	.15
512-KA79L15AZTA	KA79L15AZTA	TO-92	1	Negative	15	35	-	-	0.1	1.7	.24	.21	.17	.13
512-KA79L24AZTA	KA79L24AZTA	TO-92	1	Negative	24	40	-	-	0.1	1.7	.38	.32	.23	.18
512-KA79M05RTF	KA79M05RTF	TO-252	1	Negative	5	35	-	-	0.5	2	.72	.63	.52	.38
512-KA79M08RTF	KA79M08RTF	TO-252	1	Negative	8	35	-	-	0.5	2	.72	.63	.52	.38
512-KA79M12RTF	KA79M12RTF	TO-252	1	Negative	12	35	-	-	0.5	2	.72	.63	.52	.38
512-KA79M12TU	KA79M12TU	TO-220	1	Negative	12	35	-	-	0.5	2	.53	.46	.38	.28
512-KA79M15TU	KA79M15TU	TO-220	1	Negative	15	35	-	-	0.5	2	.53	.46	.38	.28
◆512-LM317LM	LM317LM	SOIC-8	1	Positive	ADJ	40	1.2	37	0.1	3	.32	.27	.24	.19
512-LM317LZX	LM317LZX	TO-92	1	Positive	ADJ	40	1.2	37	0.1	3	.23	.20	.17	.16
512-LM317MDTX	LM317MDTX	TO-252	1	Positive	ADJ	40	1.2	37	0.5	3	.43	.36	.27	.20
512-LM317T	LM317T	TO-220	1	Positive	ADJ	40	1.2	37	1.5	3	.43	.36	.27	.20
512-LM337T	LM337T	TO-220	1	Negative	ADJ	40	1.2	37	1.5	3	.50	.42	.34	.25
512-LM350T	LM350T	TO-220	1	Positive	ADJ	35	1.2	33	3	3	1.05	.88	.70	.53
512-LM7805ACT	LM7805ACT	TO-220	1	Positive	5	35	-	-	1	2	.34	.29	.25	.24
512-LM7805CT	LM7805CT	TO-220	1	Positive	5	35	-	-	1	2	.65	.54	.41	.30
512-LM7805ECT	LM7805ECT	TO-220	1	Positive	5	35	-	-	1	2	.34	.29	.25	.24
512-LM78L05ACZ	LM78L05ACZ	TO-92R	1	Positive	5	35	-	-	0.1	1.7	.20	.17	.15	.14
512-LM78L05ACZX	LM78L05ACZX	TO-92	1	Positive	5	30	-	-	0.1	1.7	.20	.17	.15	.14
512-LM78L12ACZX	LM78L12ACZX	TO-92	1	Positive	12	35	-	-	0.1	1.7	.20	.17	.15	.14
512-LM78M05CT	LM78M05CT	TO-220	1	Positive	5	35	-	-	0.5	2	.40	.33	.29	.23
512-LM7905CT	LM7905CT	TO-220	1	Negative	5	35	-	-	1	2	.40	.33	.27	.20
512-LM79L05ACZX	LM79L05ACZX	TO-92	1	Negative	5	30	-	-	0.1	1.7	.18	.15	.13	.13
512-MC7812ECT	MC7812ECT	TO-220	1	Positive	12	35	-	-	1	2	.41	.35	.29	.21
512-MC78M05CDTX	MC78M05CDTX	TO-252	1	Positive	5	35	-	-	0.5	2	.52	.39	.29	.22
512-MC78M05CT	MC78M05CT	TO-220	1	Positive	5	35	-	-	0.5	2	.46	.40	.33	.23
512-MC78M06CT	MC78M06CT	TO-220	1	Positive	6	35	-	-	0.5	2	.46	.40	.33	.28
512-MC78M08CDTXM	MC78M08CDTXM	TO-252	1	Positive	8	35	-	-	0.5	2	.55	.47	.39	.33
512-MC78M12CT	MC78M12CT	TO-220	1	Positive	12	35	-	-	0.5	2	.46	.40	.33	.28
512-MC78M15CT	MC78M15CT	TO-220	1	Positive	15	35	-	-	0.5	2	.46	.40	.33	.28
512-MC78M24CT	MC78M24CT	TO-220	1	Positive	24	40	-	-	0.5	2	.46	.40	.33	.28
512-MC78T05CT	MC78T05CT	TO-220	1	Positive	5	35	-	-	3	2.2	.90	.75	.60	.45
512-MC78T12CT	MC78T12CT	TO-220	1	Positive	12	35	-	-	3	2.2	.90	.75	.60	.45
512-MC78T15CT	MC78T15CT	TO-220	1	Positive	15	40	-	-	3	2.2	.90	.75	.60	.45
512-MC7908CT	MC7908CT	TO-220	1	Negative	8	35	-	-	1	2	.46	.40	.33	.28
512-MC7912CT	MC7912CT	TO-220	1	Negative	12	35	-	-	1	2	.46	.39	.29	.22
512-MC7915CT	MC7915CT	TO-220	1	Negative	15	35	-	-	1	2	.46	.39	.29	.22

FAIRCHILD Voltage Regulators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

LOW DROPOUT VOLTAGE REGULATORS

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Type	Preset Output Volt. Typ. V	Output Current A	Dropout Voltage (@Iout) V	Input Voltage (min) V	Input Voltage (max) V	Operating Temperature (°C)	Output Disable Function	Price Each			
											1	25	100	250
♦512-FAN1086M	FAN1086M	TO-263	Single	ADJ	1.5	1.5	-	7.5	0 to 125	No	1.02	.85	.68	.51
512-FAN1086M33X	FAN1086M33X	TO-263	Single	3.3	1.5	1.5	-	7.5	0 to 125	No	1.19	1.02	.85	.71
♦512-FAN1112DX	FAN1112DX	TO-252	Single	1.2	1.0	1.2	-	18.0	0 to 125	No	1.16	.99	.83	.69
512-FAN1112SX	FAN1112SX	SOT-223	Single	1.2	1.0	1.2	-	18.0	0 to 125	No	1.16	.99	.83	.69
512-FAN1117AS25X	FAN1117AS25X	SOT-223	Single	2.5	1.0	1.1	2.5	17.0	0 to 125	No	1.16	.99	.83	.69
♦512-FAN1117ASX	FAN1117ASX	SOT-223	Single	ADJ	1.0	1.1	2.5	17.0	0 to 125	No	1.16	.99	.83	.69
512-FAN1117AT	FAN1117AT	TO-220	Single	ADJ	1.0	1.1	2.5	17.0	0 to 125	No	2.10	1.80	1.50	1.26
512-FAN1581MX	FAN1581MX	TO-263	Single	ADJ	5.0	0.4	-	7.0	0 to 125	No	1.75	1.50	1.25	1.05
♦512-FAN1582MX	FAN1582MX	TO-263	Single	ADJ	3.0	0.6	-	7.0	0 to 125	No	1.75	1.50	1.25	1.05
♦512-FAN1587AD33X	FAN1587AD33X	TO-252	Single	3.3	3.0	1.3	2.8	12.0	0 to 125	No	3.12	2.67	2.23	1.87
♦512-FAN1587AM15X	FAN1587AM15X	TO-263	Single	1.5	3.0	1.3	2.8	12.0	0 to 125	No	3.12	2.67	2.23	1.87
♦512-FAN1587AM33X	FAN1587AM33X	TO-263	Single	3.3	3.0	1.3	4.6	12.0	0 to 125	No	3.12	2.67	2.23	1.87
♦512-FAN1587AMC15X	FAN1587AMC15X	TO-263	Single	1.5	3.0	1.3	2.8	12.0	0 to 125	No	1.42	1.19	.85	.68
♦512-FAN1587AMC33X	FAN1587AMC33X	TO-263	Single	3.3	3.0	1.3	4.6	12.0	0 to 125	No	3.12	2.67	2.23	1.87
512-FAN1587AT15	FAN1587AT15	TO-220	Single	1.5	3.0	1.3	2.8	12.0	0 to 125	No	1.42	1.19	.85	.68
512-FAN1587AT33	FAN1587AT33	TO-220	Single	3.3	3.0	1.3	4.6	12.0	0 to 125	No	1.42	1.19	.85	.68
512-FAN1589DX	FAN1589DX	TO-252	Single	ADJ	2.7	1.3	3.3	7.0	0 to 125	No	3.12	2.67	2.23	1.87
♦512-FAN1589MCX	FAN1589MCX	TO-263	Single	1.2	2.7	1.3	3.3	7.0	0 to 125	No	3.12	2.67	2.23	1.87
♦512-FAN1589MX	FAN1589MX	TO-263	Single	1.2	2.7	1.3	3.3	7.0	0 to 125	No	3.12	2.67	2.23	1.87
512-FAN1616AD33X	FAN1616AD33X	TO-252	Single	3.3	0.5	1.1	6.2	18.0	0 to 125	No	1.09	.93	.78	.65
♦512-FAN1616AD5X	FAN1616AD5X	TO-252	Single	5	0.5	1.1	6.2	18.0	0 to 125	No	.83	.69	.50	.40
♦512-FAN1616AS18X	FAN1616AS18X	SOT-223	Single	1.8	0.5	1.1	3	18.0	0 to 125	No	1.09	.93	.78	.65
♦512-FAN1616AS33X	FAN1616AS33X	SOT-223	Single	3.3	0.5	1.1	4.5	18.0	0 to 125	No	1.09	.93	.78	.65
♦512-FAN1616AS5X	FAN1616AS5X	SOT-223	Single	5	0.5	1.1	6.2	18.0	0 to 125	No	1.09	.93	.78	.65
♦512-FAN1616ASX	FAN1616ASX	SOT-223	Single	ADJ	0.5	1.1	2.5	18.0	0 to 125	No	1.09	.93	.78	.65
♦512-FAN1950D25X	FAN1950D25X	TO-252	Single	2.5	1.5	0.5	-	15.0	-40 to +125	No	1.51	1.29	1.08	.90
♦512-FAN2500S33X	FAN2500S33X	SOT-23	Single	3.3	0.1	0.1	3.4	7.0	-40 to +125	Yes	.74	.63	.47	.44
♦512-FAN2502S25X	FAN2502S25X	SOT-23	Single	2.5	0.2	0.15	2.7	7.0	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2502SX	FAN2502SX	SOT-23	Single	ADJ	0.2	0.15	2.7	7.0	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2503S27X	FAN2503S27X	SOT-23	Single	2.7	0.2	0.15	2.85	7.0	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2503S33X	FAN2503S33X	SOT-23	Single	3.3	0.2	0.15	3.45	7.0	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2504S33X	FAN2504S33X	SOT-23	Single	3.3	0.2	0.2	3.5	7.0	-40 to +125	Yes	1.12	.96	.80	.67
♦512-FAN2505S33X	FAN2505S33X	SOT-23	Single	3.3	0.2	0.2	3.5	7.0	-40 to +125	Yes	.83	.69	.50	.40
♦512-FAN2508SX	FAN2508SX	SOT-23	Single	ADJ	0.1	0.05	2.7	7.0	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2510S25X	FAN2510S25X	SOT-23	Single	2.5	0.1	0.1	2.7	7.0	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2510SX	FAN2510SX	SOT-23	Single	ADJ	0.1	0.1	2.7	7.0	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2512S33X	FAN2512S33X	SOT-23	Single	3.3	0.2	0.15	3.45	6.5	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2513S33X	FAN2513S33X	SOT-23	Single	3.3	0.2	0.15	3.45	6.5	-40 to +125	Yes	.95	.81	.68	.57
♦512-FAN2514S25X	FAN2514S25X	SOT-23	Single	2.5	0.2	0.2	2.7	7.0	-40 to +125	Yes	1.12	.96	.80	.67
♦512-FAN2514S33X	FAN2514S33X	SOT-23	Single	3.3	0.2	0.2	3.5	7.0	-40 to +125	Yes	1.12	.96	.80	.67
♦512-ILC7080AIM550X	ILC7080AIM550X	SOT-23	Single	5	0.1	0.08	2.5	8.0	-40 to +85	Yes	.83	.69	.50	.40
512-KA378R05TU	KA378R05TU	TO-220	Single	5	3.0	0.5	5.5	35.0	-20 to +80	Yes	1.63	1.43	1.18	.86
512-KA378R33TU	KA378R33TU	TO-220	Single	3.3	3.0	0.5	3.8	35.0	-20 to +80	Yes	1.63	1.43	1.18	.86
512-KA78RM33	KA78RM33	TO-220	Single	3.3	0.5	0.6	3.9	20.0	-25 to +125	No	.74	.65	.54	.39
♦512-LP2951CM	LP2951CM	SOP-8	Single	ADJ	0.1	0.6	2.5	30.0	-40 to +125	No	.40	.33	.29	.28

VOLTAGE REFERENCES

♦ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Preset Output Voltage (V)	Adj. Output Voltage Min (V)	Adj. Output Voltage Max (V)	Tolerance (%)	Max. Current (mA)	Price Each			
								1	25	100	250
♦512-FAN4041DIS3X	FAN4041DIS3X	SOT-23-3	ADJ	1.22	12.0	1	30	.40	.33	.26	.24
512-FAN431ZXA	FAN431ZXA	TO-92	ADJ	2.5	37.0	2	100	.15	.13	.11	.09
512-KA431AZTA	KA431AZTA	TO-92	ADJ	2.5	37.0	2	100	.19	.17	.14	.10
♦512-KA431SMFTF	KA431SMFTF	SOT-23F	ADJ	2.5	37.0	2	100	.37	.31	.22	.18
512-LM336BZ50	LM336BZ50	TO-92	5	4	6.0	2	15	.22	.18	.16	.15
512-LM336Z25X	LM336Z25X	TO-92	2.5	2.5	37.0	2	15	.22	.18	.16	.15
512-LM336Z5X	LM336Z5X	TO-92	5	4	6.0	4	15	.22	.18	.16	.15
♦512-LM431AIMX	LM431AIMX	SOIC-8	ADJ	2.5	37.0	2	100	.32	.27	.23	.19
512-LM431AIZ	LM431AIZ	TO-92	ADJ	2.5	37.0	2	100	.14	.12	.11	.10
512-LM431BIZX	LM431BIZX	TO-92	ADJ	2.5	37.0	1	100	.14	.12	.11	.10
♦512-LM431CCMX	LM431CCMX	SOIC-8	ADJ	2.5	37.0	0.5	100	.32	.27	.23	.19
512-LM431CCZX	LM431CCZX	TO-92	ADJ	2.5	37.0	0.5	100	.13	.11	.10	.09
♦512-LM431SACMFX	LM431SACMFX	SOT-23F	ADJ	2.5	37.0	2	100	.24	.20	.17	.14
♦512-LM431SBCMFX	LM431SBCMFX	SOT-23F	ADJ	2.5	37.0	1	100	.26	.22	.19	.15
♦512-LM431SCCMFX	LM431SCCMFX	SOT-23F	ADJ	2.5	37.0	0.5	100	.23	.19	.17	.14
♦512-TL431ACD	TL431ACD	SOIC-8	ADJ	2.5	37.0	1	100	.48	.41	.30	.24

FAIRCHILD Power Switch and PFC ICs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

OFFLINE IC'S - FAIRCHILD POWER SWITCH

The Fairchild Power Switch(FPS) product family is specially designed for an off line SMPS with minimal external components. The Fairchild Power Switch(FPS) consist of a high voltage power SenseFET and a current mode PWM IC. Included PWM controller features integrated fixed oscillator, the under voltage lock out, the leading edge blanking, the optimized gate turn-on/turn-off driver, the thermal shutdown protection, the over voltage protection, and the temperature compensated precision current sources for the loop compensation and a fault protection circuitry. compared with a discrete MOSFET and a controller or a RCC switching converter solution, a Fairchild Power Switch(FPS) can reduce total component count, design size, and weight and at the same time increase efficiency, productivity, and system reliability. It has a basic platform well suited for the cost effective LCD monitor power supply.

Fairchild Power Switch Designer Software (10.5M)
This software currently only works with Windows 95 and Windows 98.
Contains:
- FPS Designer Software Installation Notes - Instructions and Requirements (.txt file)
- FPS Designer Software Installer (.exe file)
- FPS Designer User Guide (.doc file)
- FPS Designer User Guide (.pdf file)

Available online @ www.fairchildsemi.com/products/analog/fps_designer_software.zip

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Output Power Vac (W)		Peak Current Limit (A)	Drain Voltage (Max) (V)	RDS On (Ohms)	Switching Frequency (kHz)	Power Saver	Soft Start	Over Current Protection	Price Each		
			Max at 85-165	Max at 230								1	25	100
512-FS6S1265REYDTU	FS6S1265REYDTU	TO-3P	128	152	8.0	650	0.9	Sync	No	Soft Start	Auto Restart	3.15	2.63	2.10
512-FS6S1565RBYDTU	FS6S1565RBYDTU	TO-3P-5L	160	192	9.7	650	0.65	Sync	No	Soft Start	Auto Restart	4.05	3.38	2.70
512-FS6X1220RTYDTU	FS6X1220RTYDTU	TO-220F-5L	-	-	3.2	200	0.3	300	No	No	No	2.25	1.80	1.40
512-FS7M0680YDTU	FS7M0680YDTU	TO-3P	64	80	4.0	800	2	67	No	Soft Start	Latch	9.58	8.00	7.03
512-FS7M0880TU	FS7M0880TU	TO-3P	85	110	5.0	800	1.5	66	No	Soft Start	Latch	2.93	2.34	1.82
512-FS7M0880YDTU	FS7M0880YDTU	TO-3P-5L	88	104	5.0	800	1.5	67	No	Soft Start	Latch	2.93	2.34	1.82
512-FS8S0965RCBYDTU	FS8S0965RCBYDTU	TO-220	96	116	6.0	650	1.2	Sync	No	Soft Start	Auto Restart	2.81	2.25	1.75
512-FSCQ0765RTYDTU	FSCQ0765RTYDTU	TO-220F	85	100	5.0	650	1.6	QRC	Yes	Soft Start	Latch	1.88	1.50	1.12
512-FSCQ0965RTYDTU	FSCQ0965RTYDTU	TO-220F	110	130	6.0	650	1.2	QRC	Yes	Soft Start	Latch	2.40	2.20	2.00
512-FSCQ1265RTYDTU	FSCQ1265RTYDTU	TO-220F	140	170	7.0	650	0.9	QRC	Yes	Soft Start	Latch	2.40	1.92	1.44
512-FSCQ1465RTYDTU	FSCQ1465RTYDTU	TO-220F	160	210	8.0	650	0.8	QRC	Yes	Soft Start	Auto Restart	3.21	2.94	2.68
512-FSCQ1565RPVDTU	FSCQ1565RPVDTU	TO-220F	170	210	8.0	650	0.065	QRC	Yes	Soft Start	Auto Restart	6.17	5.66	5.15
512-FSCQ1565RTYDTU	FSCQ1565RTYDTU	TO-220F	170	210	8.0	650	0.65	QRC	Yes	Soft Start	Latch	2.88	2.30	1.72
512-FSDM0265RNB	FSDM0265RNB	DIP-8	16	18	1.5	650	6	67	Yes	Soft Start	No	1.44	1.20	.96
512-FSDM0365RNB	FSDM0365RNB	DIP-8	24	28	2.2	650	4.5	67	Yes	Soft Start	No	1.71	1.42	1.14
512-FSDM0465RBWDTU	FSDM0465RBWDTU	TO-220F	38	60	1.8	650	2.6	67	Yes	Soft Start	Auto Restart	2.46	2.25	2.05
512-FSDM0565RBWDTU	FSDM0565RBWDTU	TO-220F	48	56	2.3	650	2.2	67	Yes	Soft Start	Auto Restart	1.88	1.50	1.12
512-FSDM07652RBWDTU	FSDM07652RBWDTU	TO-220F	60	68	2.5	650	1.6	67	Yes	Soft Start	Auto Restart	2.46	2.26	2.05
512-FSDM1265RBWDTU	FSDM1265RBWDTU	TO-220F	90	130	3.4	650	0.9	67	Yes	Soft Start	Auto Restart	3.45	3.16	2.88
512-FSQ0365RN	FSQ0365RN	DIP-8	19	31	1.5	650	4.5	QRC	Yes	Soft Start	Auto Restart	1.62	1.49	1.14
512-KA5H0365RTU	KA5H0365RTU	TO-220F-4L	32	40	2.2	650	4.5	100	No	No	Auto Restart	2.12	1.86	1.54
512-KA5H0380RTU	KA5H0380RTU	TO-220F-4L	32	40	2.2	800	5	100	No	No	Auto Restart	2.20	1.93	1.60
512-KA5L0365RN	KA5L0365RN	DIP-8	32	40	2.2	800	5	50	No	No	Auto Restart	1.61	1.35	1.19
512-KA5L0380RYDTU	KA5L0380RYDTU	TO-220F	32	40	2.2	800	5	50	No	No	Auto Restart	2.20	1.93	1.60
512-KA5M0280RTU	KA5M0280RTU	TO-220F-4L	20	24	1.2	800	7	67	No	No	Auto Restart	2.12	1.86	1.54
512-KA5M0365RTU	KA5M0365RTU	TO-220F	32	40	2.2	800	5	50	No	No	Auto Restart	2.12	1.86	1.54
512-KA5M0380RTU	KA5M0380RTU	TO-220F-4L	32	40	2.2	800	5	67	No	No	Auto Restart	2.20	1.93	1.60
512-KA5M0965QYDTU	KA5M0965QYDTU	TO-3P	-	-	6.7	650	-	70	No	No	Latch	4.00	3.50	2.90
512-KA5Q0740RTYDTU	KA5Q0740RTYDTU	TO-220F-5L	80	-	5.0	400	1.1	QRC	No	No	Latch	4.80	4.20	3.48

FAIRCHILD POWER FACTOR CORRECTION

◆ **Surface Mount Device**

PFC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Startup Current (uA)	Operating Current (mA)	PFC Control	Drive Output (A)	Fpwm FPfc	PWM Duty Cycle Max (%)	UVLO	Price Each			
										1	25	100	250
◆ 512-FAN4810M	FAN4810M	SOIC-16	200	5.5	Average Current	1	1	49	13/10	2.40	2.00	1.60	1.44
512-FAN4810N	FAN4810N	DIP-16	200	5.5	Average Current	1	1	49	13/10	2.25	1.80	1.35	1.26
◆ 512-FAN7527BMX	FAN7527BMX	SOIC-8	60	3	Disc (Transition)	1	-	-	12/9	.91	.75	.56	.55
512-FAN7527BN	FAN7527BN	DIP-8	60	3	Disc (Transition)	0.5	-	-	12/9	.78	.65	.52	.39
512-ML4812CP	ML4812CP	DIP-16	800	20	Peak Current	1	-	-	16/10	9.66	8.05	5.75	4.60
512-ML4821CP	ML4821CP	DIP-18	600	26	Average Current	1	-	-	15/10	5.63	4.50	3.50	3.32

PWM + PFC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Startup Current (uA)	Operating Current (mA)	PFC Control	Drive Output (A)	Fpwm FPfc	PWM Duty Cycle Max (%)	UVLO	Price Each			
										1	25	100	250
512-FAN4803CP1	FAN4803CP1	DIP-8	200	2	Inp Current Shaping	1	1	50	13/10	2.81	2.25	1.75	1.66
512-ML4800CP	ML4800CP	DIP-16	200	5.5	Average Current	1	1	49	13/10	3.38	2.70	2.10	1.99
512-ML4800IP	ML4800IP	DIP-16	200	5.5	Average Current	1	1	49	13/10	3.38	2.70	2.10	1.99
◆ 512-ML4821CS	ML4821CS	SOIC-20	600	26	Average Current	1	-	-	15/10	12.31	10.26	7.33	5.86
512-ML4824CP1	ML4824CP1	DIP-16	700	16	Average Current	0.5	1	49	13/10	4.28	3.42	2.66	2.52
512-ML4824CS2X	ML4824CS2X	SOIC-16(W)	700	16	Average Current	1	1	49	13/10	11.38	9.75	8.13	6.83
512-ML4824IP1	ML4824IP1	DIP-16	700	16	Average Current	0.5	1	49	13/10	3.94	3.15	2.45	2.32
◆ 512-ML4824IS1	ML4824IS1	SOIC-16	700	16	Average Current	0.5	1	49	13/10	19.89	16.59	11.85	9.47
512-ML4826CP2	ML4826CP2	DIP-20	700	22	Average Current	0.5	2	50	13/10	6.75	5.40	4.20	3.99

NJR Low Dropout Voltage Regulators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

LOW DROPOUT VOLTAGE REGULATORS

Features:
- High Precision Single Output
- Internal Short Circuit Current Limiting
- Internal Thermal Overload Protection
- Low Noise
- Low Quiescent Current
- ON/OFF Control
- Suitable for low power, space conscious applications

Applications:
- Battery Backup Systems
- Cellular Phones
- GPS
- Remote Controls
- Set Top Boxes

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NJR Part No.	Package	Lead Free	ON/OFF Control	Typical Output Voltage (V)	Tolerance (±)	Max. Input Voltage (V)	Typical Output Current (A)	Typical Dropout Voltage (V)	Operating Temperature (°C)	Price Each			
											1	25	100	250
513-NJM#2370R02-TE1	NJM2370R02-TE1	VSP-8	-	Yes	2.0	3	20	0.18	0.10	-40 to +85	.40	.37	.34	.31
513-NJM#2370R03-TE1	NJM2370R03-TE1	VSP-8	-	Yes	3.0	3	20	0.18	0.10	-40 to +85	.40	.37	.34	.31
513-NJM#2396F33	NJM2396F33	TO-220F (4-pin)	-	Yes	3.3	4	35	1.50	0.20	-40 to +85	.81	.76	.70	.68
513-NJM#2396F05	NJM2396F05	TO-220F (4-pin)	-	Yes	5.0	4	35	1.50	0.20	-40 to +85	.79	.72	.65	.59
513-NJM#2396F63	NJM2396F63	TO-220F (4-pin)	-	Yes	6.3	4	35	1.50	0.20	-40 to +85	.81	.72	.68	.68
513-NJM#2831F03	NJM#2831F03	SOT-23-5	Yes	Yes	3.0	1	20	0.13	0.10	-40 to +85	.53	.47	.42	.48
513-NJM#2831F05	NJM#2831F05	SOT-23-5	Yes	Yes	5.0	1	20	0.13	0.10	-40 to +85	.53	.47	.42	.48
513-NJM#2831F12	NJM#2831F12	SOT-23-5	Yes	Yes	12.0	1	20	0.13	0.10	-40 to +85	.53	.47	.42	.48
513-NJM#2831F15	NJM#2831F15	SOT-23-5	Yes	Yes	15.0	1	20	0.13	0.10	-40 to +85	.53	.47	.42	.48
513-NJM#2845DL1-18	NJM#2845DL1-18-TE1	TO-252-3	Yes	No	1.8	1	14	1.05	0.18	-40 to +85	.53	.47	.42	.38
513-NJM#2845DL1-25	NJM#2845DL1-25-TE1	TO-252-3	Yes	No	2.5	1	14	1.05	0.18	-40 to +85	.53	.47	.42	.38
513-NJM#2845DL1-33	NJM#2845DL1-33-TE1	TO-252-3	Yes	No	3.3	1	14	1.05	0.18	-40 to +85	.53	.47	.42	.38
513-NJM#2845DL1-05	NJM#2845DL1-05-TE1	TO-252-3	Yes	No	5.0	1	14	1.05	0.18	-40 to +85	.53	.47	.42	.38
513-NJM#2846DL3-18	NJM#2846DL3-18-TE1	TO-252-5	Yes	Yes	1.8	1	14	1.05	0.18	-40 to +85	.68	.61	.54	.48
513-NJM#2846DL3-25	NJM#2846DL3-25-TE1	TO-252-5	Yes	Yes	2.5	1	14	1.05	0.18	-40 to +85	.68	.61	.54	.48
513-NJM#2846DL3-33	NJM#2846DL3-33-TE1	TO-252-5	Yes	Yes	3.3	1	14	1.05	0.18	-40 to +85	.68	.61	.54	.48
513-NJM#2846DL3-05	NJM#2846DL3-05-TE1	TO-252-5	Yes	Yes	5.0	1	14	1.05	0.18	-40 to +85	.68	.61	.54	.48
513-NJM#2860F325TE1	NJM2860F3-25-TE1	SC-88A	No	Yes	2.5	1	14	0.13	0.10	-40 to +85	.36	.32	.30	.27
513-NJM2860F3-33-TE2	NJM2860F3-33-TE2	SC-88A	No	Yes	3.3	1	14	0.13	0.10	-40 to +85	.45	.38	.30	.27
513-NJM2860F3-47-TE3	NJM2860F3-47-TE3	SC-88A	No	Yes	4.7	1	14	0.13	0.10	-40 to +85	.45	.38	.30	.27
513-NJM#2870F21-TE1	NJM2870F21-TE1	SOT-23-5	No	Yes	2.1	2	14	0.20	0.12	-40 to +85	.31	.27	.24	.22
513-NJM#2870F33-TE1	NJM2870F33-TE1	SOT-23-5	No	Yes	3.3	2	14	0.20	0.12	-40 to +85	.31	.27	.24	.22
513-NJM#2870F48-TE1	NJM2870F48-TE1	SOT-23-5	No	Yes	4.8	2	14	0.20	0.12	-40 to +85	.31	.27	.24	.22
513-NJM#2930F05	NJM2930F05	T0-220F	No	No	5.0	10	26	0.15	0.30	-40 to +85	.54	.48	.45	.45
513-NJM#2930F85	NJM2930F85	T0-220F	No	No	8.5	10	26	0.15	0.30	-40 to +85	.56	.50	.44	.41
513-NJM#2930L05	NJM2930L05	T0-92	No	No	5.0	10	26	0.10	0.25	-40 to +85	.44	.36	.32	.45
513-NJM#78LR05BD	NJM78LR05BD	DIP-8	No	No	5.0	4	20	0.30	1.50	-40 to +85	.31	.28	.27	.36
513-NJM#78LR05BU-TE1	NJM78LR05BU-TE1	SOT-89-5	No	No	5.0	4	20	0.30	1.50	-40 to +85	.49	.44	.39	.36
513-NJM#78LR05DD	NJM78LR05DD	DIP-8	No	No	5.0	4	20	0.30	1.50	-40 to +85	.49	.46	.42	.36
513-NJU#7201L12	NJU7201L12	TO-92	No	No	1.2	5	14	0.10	0.02	-25 to +75	.48	.44	.40	.36
513-NJU7201L15	NJU7201L15	TO-92	No	No	1.5	5	14	0.10	0.02	-25 to +75	.41	.37	.34	.36
513-NJU7201L30	NJU7201L30	TO-92	No	No	3.0	5	14	0.10	0.20	-25 to +75	.50	.45	.40	.36
513-NJU#7201L32	NJU7201L32	TO-92	No	No	3.2	5	14	0.10	0.20	-25 to +75	.60	.55	.50	.36
513-NJU#7201L2-50	NJU7201L50	TO-92	No	No	5.0	5	14	0.10	0.30	-25 to +75	.53	.47	.42	.36
513-NJU#7201L2-50	NJU#7201L2-50	TO-92	Yes	No	5.0	5	14	0.10	0.30	-25 to +75	.53	.47	.42	.36
513-NJU7211L30	NJU7211L30	TO-92	No	No	-3.0	5	-14	0.10	0.20	-25 to +75	.60	.54	.48	.43
513-NJU7211L50	NJU7211L50	TO-92	No	No	-5.0	5	-14	0.10	0.30	-25 to +75	.60	.54	.48	.43
513-NJU7211U12	NJU7211U12	SOT-89-3	No	No	-1.2	5	-14	0.10	0.20	-25 to +75	.63	.56	.50	.43
513-NJU7211U32	NJU7211U32	SOT-89-3	No	No	-3.2	5	-14	0.10	0.20	-25 to +75	.60	.54	.48	.43
513-NJU7211U52	NJU7211U52	SOT-89-3	No	No	-5.2	5	-14	0.10	0.30	-25 to +75	.60	.54	.48	.43
513-NJU#7747F4-15	NJU#7747F4-15-TE2	SC-82AB	Yes	Yes	1.5	1	10	0.10	0.19	-40 to +85	.48	.43	.38	.45
513-NJU#7747F4-18	NJU#7747F4-18-TE1	SC-82AB	Yes	Yes	1.8	1	10	0.10	0.19	-40 to +85	.48	.43	.38	.45
513-NJU#7747F4-25	NJU#7747F4-25-TE1	SC-82AB	Yes	Yes	2.5	1	10	0.10	0.18	-40 to +85	.48	.43	.38	.45
513-NJU#7747F4-33	NJU#7747F4-33-TE1	SC-82AB	Yes	Yes	3.3	1	10	0.10	0.17	-40 to +85	.48	.43	.38	.45
513-NJU#7747F4-05	NJU#7747F4-05-TE1	SC-82AB	Yes	Yes	5.0	1	10	0.10	0.16	-40 to +85	.48	.43	.38	.45
513-NJU#7748F4-15	NJU#7748F4-15-TE2	SC-82AB	Yes	Yes	1.5	1	10	0.10	0.19	-40 to +85	.48	.43	.38	.52
513-NJU#7748F4-18	NJU#7748F4-18-TE1	SC-82AB	Yes	Yes	1.8	1	10	0.10	0.19	-40 to +85	.48	.43	.38	.52
513-NJU#7748F4-25	NJU#7748F4-25-TE1	SC-82AB	Yes	Yes	2.5	1	10	0.10	0.18	-40 to +85	.48	.43	.38	.52
513-NJU#7748F4-33	NJU#7748F4-33-TE1	SC-82AB	Yes	Yes	3.3	1	10	0.10	0.17	-40 to +85	.48	.43	.38	.52
513-NJU#7748F4-05	NJU#7748F4-05-TE1	SC-82AB	Yes	Yes	5.0	1	10	0.10	0.16	-40 to +85	.48	.43	.38	.52
513-NJU#7751F21	NJU#7751F21-TE1	SOT-23-5	Yes	Yes	2.1	1	10	0.10	0.20	-40 to +85	.35	.32	.28	.25
513-NJU#7751F25	NJU#7751F25-TE1	SOT-23-5	Yes	Yes	2.5	1	10	0.10	0.18	-40 to +85	.35	.32	.28	.25
513-NJU#7751F33	NJU#7751F33-TE2	SOT-23-5	Yes	Yes	3.3	1	10	0.10	0.15	-40 to +85	.35	.32	.28	.25
513-NJU#7751F05	NJU#7751F05-TE3	SOT-23-5	Yes	Yes	5.0	1	10	0.10	0.12	-40 to +85	.35	.32	.28	.25
513-NJU#7754F21	NJU#7754F21-TE1	SOT-23-5	Yes	Yes	2.1	1	10	0.10	0.20	-40 to +85	.48	.43	.38	.32
513-NJU#7754F25	NJU#7754F25-TE1	SOT-23-5	Yes	Yes	2.5	1	10	0.10	0.18	-40 to +85	.48	.43	.38	.32
513-NJU#7754F33	NJU#7754F33-TE2	SOT-23-5	Yes	Yes	3.3	1	10	0.10	0.15	-40 to +85	.48	.43	.38	.32
513-NJU#7754F05	NJU#7754F05-TE3	SOT-23-5	Yes	Yes	5.0	1	10	0.10	0.12	-40 to +85	.48	.43	.38	.32
513-NJU#3421AFA1	NJU7758F4-25-TE1	SC-82AB	Yes	Yes	2.5	1	10	0.10	0.18	-40 to +85	4.00	3.74	3.50	.43
513-NJU#3421AL	NJU7758F4-33-TE1	SC-82AB	Yes	Yes	3.3	1	10	0.10	0.15	-40 to +85	4.00	3.74	3.50	.43

Products may be RoHS compliant.
Check mouser.com for RoHS status.

MICROCHIP LINEAR REGULATORS

NEW PRODUCT

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-TC1014-1.8VCT713	TC1014-1.8VCT713	SOT-23A-5	50mA LDO with Shutdown & V REF Bypass	.48	.46	.43
579-TC1014-2.5VCT713	TC1014-2.5VCT713	SOT-23A-5	50mA LDO with Shutdown & V REF Bypass	.48	.46	.43
579-TC1014-3.0VCT713	TC1014-3.0VCT713	SOT-23A-5	50mA LDO with Shutdown & V REF Bypass	.48	.46	.43
579-TC1014-3.3VCT713	TC1014-3.3VCT713	SOT-23A-5	50mA LDO with Shutdown & V REF Bypass	.48	.46	.43
579-TC1014-5.0VCT713	TC1014-5.0VCT713	SOT-23A-5	50mA LDO with Shutdown & V REF Bypass	.48	.46	.43
579-TC1015-1.8VCT713	TC1015-1.8VCT713	SOT-23A-5	100mA LDO with Shutdown & V REF Bypass	.50	.47	.44
579-TC1015-3.0VCT713	TC1015-3.0VCT713	SOT-23A-5	100mA LDO with Shutdown & V REF Bypass	.50	.48	.45
579-TC1015-3.3VCT713	TC1015-3.3VCT713	SOT-23A-5	100mA LDO with Shutdown & V REF Bypass	.50	.48	.45
579-TC1015-5.0VCT713	TC1015-5.0VCT713	SOT-23A-5	100mA LDO with Shutdown & V REF Bypass	.50	.48	.45
579-TC1017-1.8VCTTR	TC1017-1.8VCTTR	SOT-23-5	150mA CMOS LDO with Shutdown	.58	.44	.35
579-TC1017-3.0VCTTR	TC1017-3.0VCTTR	SOT-23-5	150mA CMOS LDO with Shutdown	.58	.44	.35
579-TC1017-3.3VCTTR	TC1017-3.3VCTTR	SOT-23-5	150mA CMOS LDO with Shutdown	.58	.44	.35
579-TC1185-1.8VCT713	TC1185-1.8VCT713	SOT-23A-5	150mA LDO with Shutdown &V REF Bypass	.53	.51	.48
579-TC1185-3.0VCT713	TC1185-3.0VCT713	SOT-23A-5	150mA LDO with Shutdown &V REF Bypass	.53	.51	.48
579-TC1185-3.3VCT713	TC1185-3.3VCT713	SOT-23A-5	150mA LDO with Shutdown &V REF Bypass	.53	.51	.48
579-TC1185-5.0VCT713	TC1185-5.0VCT713	SOT-23A-5	150mA LDO with Shutdown &V REF Bypass	.53	.51	.48
579-MCP1700-1802E/TO	MCP1700-1802E/TO	TO-92-3	250mA CMOS LDO, Isupply 1uA and 2% Vout Accuracy	.50	.39	.30
579-MCP1700T-1802E/TT	MCP1700T-1802E/TT	SOT-23-3	250mA CMOS LDO, Isupply 1uA and 2% Vout Accuracy	.50	.39	.30
579-MCP1700-3002E/TO	MCP1700-3002E/TO	TO-92-3	250mA CMOS LDO, Isupply 1uA and 2% Vout Accuracy	.50	.39	.30
579-MCP1700T-3002E/TT	MCP1700T-3002E/TT	SOT-23-3	250mA CMOS LDO, Isupply 1uA and 2% Vout Accuracy	.50	.39	.30
579-MCP1700-3302E/TO	MCP1700-3302E/TO	TO-92-3	250mA CMOS LDO, Isupply 1uA and 2% Vout Accuracy	.50	.39	.30
579-MCP1700T-3302E/TT	MCP1700T-3302E/TT	SOT-23-3	250mA CMOS LDO, Isupply 1uA and 2% Vout Accuracy	.50	.39	.30
579-MCP1700-5002E/TO	MCP1700-5002E/TO	TO-92-3	250mA CMOS LDO, Isupply 1uA and 2% Vout Accuracy	.50	.39	.30
579-MCP1700T-5002E/TT	MCP1700T-5002E/TT	SOT-23-3	250mA CMOS LDO, Isupply 1uA and 2% Vout Accuracy	.50	.39	.30
579-MCP1702-1802E/TO	MCP1702-1802E/TO	TO-92-3	Low Iq 250mA LDO, Vin 10V max, Vout=1.8V	.70	.54	.40
579-MCP1702T-1802E/CB	MCP1702T-1802E/CB	SOT-23A-3	Low Iq 250mA LDO, Vin 10V max, Vout=1.8V	.70	.54	.40
579-MCP1702-3002E/TO	MCP1702-3002E/TO	TO-92-3	Low Iq 250mA LDO, Vin 10V max, Vout=3.0V	.70	.54	.40
579-MCP1702T-3002E/CB	MCP1702T-3002E/CB	SOT-23A-3	Low Iq 250mA LDO, Vin 10V max, Vout=3.0V	.70	.54	.40
579-MCP1702-3302E/TO	MCP1702-3302E/TO	TO-92-3	Low Iq 250mA LDO, Vin 10V max, Vout=3.3V	.70	.54	.40
579-MCP1702T-3302E/CB	MCP1702T-3302E/CB	SOT-23A-3	Low Iq 250mA LDO, Vin 10V max, Vout=3.3V	.70	.54	.40
579-MCP1702-5002E/TO	MCP1702-5002E/TO	TO-92-3	Low Iq 250mA LDO, Vin 10V max, Vout=5.0V	.70	.54	.40
579-MCP1702T-5002E/CB	MCP1702T-5002E/CB	SOT-23A-3	Low Iq 250mA LDO, Vin 10V max, Vout=5.0V	.70	.54	.40
579-MCP1725-1802E/SN	MCP1725-1802E/SN	SOIC-8	500mA CMOS LDO, Vout=1.8V, Extended Temp Range	1.68	1.30	.98
579-MCP1725-3302E/SN	MCP1725-3302E/SN	SOIC-8	500mA CMOS LDO, Vout=3.3V, Extended Temp Range	1.68	1.30	.98
579-MCP1725-5002E/SN	MCP1725-5002E/SN	SOIC-8	500mA CMOS LDO, Vout=5.0V, Extended Temp Range	1.68	1.30	.98
579-MCP1726-1802E/SN	MCP1726-1802E/SN	SOIC-8	1A CMOS LDO, Vout=1.8V, Extended Temp Range	1.90	1.46	1.09
579-MCP1726-3302E/SN	MCP1726-3302E/SN	SOIC-8	1A CMOS LDO, Vout=3.3V, Extended Temp Range	1.90	1.46	1.09
579-MCP1726-5002E/SN	MCP1726-5002E/SN	SOIC-8	1A CMOS LDO, Vout=5.0V, Extended Temp Range	1.90	1.46	1.09
579-MCP1727-1802E/SN	MCP1727-1802E/SN	SOIC-8	1.5A CMOS LDO, Vout=1.8V, Extended Temp Range	1.99	1.54	1.16
579-MCP1727-3002E/SN	MCP1727-3002E/SN	SOIC-8	1.5A CMOS LDO, Vout=3.0V, Extended Temp Range	1.99	1.54	1.16
579-MCP1727-3302E/SN	MCP1727-3302E/SN	SOIC-8	1.5A CMOS LDO, Vout=3.3V, Extended Temp Range	1.99	1.54	1.16
579-MCP1727-5002E/SN	MCP1727-5002E/SN	SOIC-8	1.5A CMOS LDO, Vout=5.0V, Extended Temp Range	1.99	1.54	1.16

MICROCHIP SWITCHING REGULATORS

NEW PRODUCT

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-MCP1601-I/MS	MCP1601-I/MS	MSOP-8	500mA Sychronous Buck Regulator	1.61	1.24	.93
579-MCP1603T-180I/OS	MCP1603T-180I/OS	TSOT-5	2.0MHz, 0.5A, Synch-Buck PFM/PWM Reg	1.68	1.34	.93
579-MCP1603T-330I/OS	MCP1603T-330I/OS	TSOT-5	2.0MHz, 0.5A, Synch-Buck PFM/PWM Reg	1.68	1.34	.93
579-MCP1603T-ADJI/OS	MCP1603T-ADJI/OS	TSOT-5	2.0MHz, 0.5A, Synch-Buck PFM/PWM Reg	1.68	1.34	.93
579-MCP1612-ADJI/MS	MCP1612-ADJI/MS	MSOP-8	1.4MHz, 1.0A, Synch-Buck Regulator, Adj. Output	2.50	1.92	1.44
579-MCP1650R-E/MS	MCP1650R-E/MS	MSOP-8	Boost Controller; UVLO 2V	1.70	1.31	.98
579-MCP1651R-E/MS	MCP1651R-E/MS	MSOP-8	Boost Controller w/Lbatt Ind; UVLO 2V	1.80	1.39	1.04
579-MCP1652R-E/MS	MCP1652R-E/MS	MSOP-8	Boost Controller w/Pgood Ind; UVLO 2V	1.80	1.39	1.04
579-MCP1653R-E/UN	MCP1653R-E/UN	MSOP-10	Boost Controller w/LBatt&Pgood Ind; UVLO 2V	1.90	1.46	1.09

MICROCHIP CHARGE PUMPS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-TC7662ACPA	TC7662ACPA	PDIP-8	Hi Voltage DC-DC Converter	2.21	2.07	2.00
579-TC7662AEPA	TC7662AEPA	PDIP-8	Hi Voltage DC-DC Converter	3.02	2.84	2.74
579-TC7662BCOA	TC7662BCOA	SOIC-8	Hi Voltage DC-DC Converter	1.58	1.49	1.44
579-TC7662BCPA	TC7662BCPA	PDIP-8	Hi Voltage DC-DC Converter	1.58	1.49	1.44
579-TC7662BEOA	TC7662BEOA	SOIC-8	Hi Voltage DC-DC Converter	1.85	1.73	1.68
579-TC7662BEPA	TC7662BEPA	PDIP-8	Hi Voltage DC-DC Converter	1.85	1.73	1.68
579-MCP1252-33X50I/MS	MCP1252-33X50I/MS	MSOP-8	120mA Regulated Charge Pump	1.78	1.37	1.03
579-MCP1252-ADJI/MS	MCP1252-ADJI/MS	MSOP-8	120mA Regulated Charge Pump, Adjustable	1.78	1.37	1.03
579-MCP1253-33X50I/MS	MCP1253-33X50I/MS	MSOP-8	120mA Regulated Charge Pump	1.78	1.37	1.03
579-MCP1253-ADJI/MS	MCP1253-ADJI/MS	MSOP-8	120mA Regulated Charge Pump, Adjustable	1.78	1.37	1.03

MICROCHIP Power Management

Products may be RoHS compliant.
Check mouser.com for RoHS status.

MICROCHIP SYSTEM SUPERVISORS

PRODUCT NEW

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-MCP100-300DI/TO	MCP100-300DI/TO	TO-92-3	Supervisor Push-Pull Active Low	.31	.29	.26
579-MCP100-450DI/TO	MCP100-450DI/TO	TO-92-3	Supervisor Push-Pull Active Low	.31	.29	.26
579-MCP100T-300I/TT	MCP100T-300I/TT	SOT-23-3	Supervisor Push-Pull Active Low	.31	.29	.26
579-MCP100T-450I/TT	MCP100T-450I/TT	SOT-23-3	Supervisor Push-Pull Active Low	.31	.29	.26
579-MCP101-300DI/TO	MCP101-300DI/TO	TO-92-3	Supervisor Push-Pull Active High	.31	.29	.26
579-MCP101-450DI/TO	MCP101-450DI/TO	TO-92-3	Supervisor Push-Pull Active High	.31	.29	.26
579-MCP101T-300I/TT	MCP101T-300I/TT	SOT-23-3	Supervisor Push-Pull Active High	.31	.29	.26
579-MCP101T-450I/TT	MCP101T-450I/TT	SOT-23-3	Supervisor Push-Pull Active High	.31	.29	.26
579-MCP120-300DI/TO	MCP120-300DI/TO	TO-92-3	Supervisor Open Drain Active Low	.41	.38	.34
579-MCP120T-300I/TT	MCP120T-300I/TT	SOT-23-3	Supervisor Open Drain Active Low	.41	.38	.34
579-MCP120-450DI/TO	MCP120-450DI/TO	TO-92-3	Supervisor Open Drain Active Low	.41	.38	.34
579-MCP120T-450I/TT	MCP120T-450I/TT	SOT-23-3	Supervisor Open Drain Active Low	.41	.38	.34
579-MCP130-300DI/TO	MCP130-300DI/TO	TO-92-3	Supervisor w/5K Pull-Up Active Low	.41	.38	.34
579-MCP130-450DI/TO	MCP130-450DI/TO	TO-92-3	Supervisor w/5K Pull-Up Active Low	.41	.38	.34
579-MCP130T-300I/TT	MCP130T-300I/TT	SOT-23-3	Supervisor w/5K Pull-Up Active Low	.41	.38	.34
579-MCP130T-450I/TT	MCP130T-450I/TT	SOT-23-3	Supervisor w/5K Pull-Up Active Low	.41	.38	.34
579-TCM809LENB713	TCM809LENB713	SOT-23B-3	Microprocessor 4.63V Reset Monitor	.31	.29	.27
579-TCM809RENB713	TCM809RENB713	SOT-23B-3	Microprocessor 2.63V Reset Monitor	.31	.29	.27
579-MCP1316T-29LE/OT	MCP1316T-29LE/OT	SOT-23-5	Active low P-P with WDI, MR (WDI = 1.6s, reset delay = 200ms, Vtrpd - 2.9V)	.74	.57	.44
579-MCP1316T-46LE/OT	MCP1316T-46LE/OT	SOT-23-5	Active low P-P with WDI, MR (WDI = 1.6s, reset delay = 200ms, Vtrpd - 4.6V)	.74	.57	.44
579-MCP1317T-29LE/OT	MCP1317T-29LE/OT	SOT-23-5	Active high P-P with WDI, MR (WDI = 1.6s, reset delay = 200ms, Vtrpd - 2.9V)	.74	.57	.44
579-MCP1317T-46LE/OT	MCP1317T-46LE/OT	SOT-23-5	Active high P-P with WDI, MR (WDI = 1.6s, reset delay = 200ms, Vtrpd - 4.6V)	.74	.57	.44
579-MCP1318T-29LE/OT	MCP1318T-29LE/OT	SOT-23-6	WDI, Active low P-P, Active high P-P (WDI = 1.6s, reset delay = 200ms, Vtrpd - 2.9V)	.74	.57	.44
579-MCP1318T-46LE/OT	MCP1318T-46LE/OT	SOT-23-5	WDI, Active low P-P, Active high P-P (WDI = 1.6s, reset delay = 200ms, Vtrpd - 4.6V)	.74	.57	.44
579-MCP1319MT29LE/OT	MCP1319MT-29LE/OT	SOT-23-5	MR, Active low P-P internal pullup, Active high P-P (WDI = 1.6s, reset delay = 200ms, Vtrpd - 2.9V)	.74	.57	.44
579-MCP1319MT46LE/OT	MCP1319MT-46LE/OT	SOT-23-5	MR, Active low P-P internal pullup, Active high P-P (WDI = 1.6s, reset delay = 200ms, Vtrpd - 4.6V)	.74	.57	.44
579-MCP1320T-29LE/OT	MCP1320T-29LE/OT	SOT-23-5	Active low P-P with WDI, MR - WDI = 1.6s, reset delay = 200ms, Vtrpd - 2.9V	.74	.57	.44
579-MCP1320T-46LE/OT	MCP1320T-46LE/OT	SOT-23-5	MR, WDI, Active low OD (WDI = 1.6s, reset delay = 200ms, Vtrpd - 4.6V)	.74	.57	.44
579-MCP1321T-29LE/OT	MCP1321T-29LE/OT	SOT-23-6	WDI, Active low OD, Active high P-P (WDI = 1.6s, reset delay = 200ms, Vtrpd - 2.9V)	.74	.57	.44
579-MCP1321T-46LE/OT	MCP1321T-46LE/OT	SOT-23-5	WDI, Active low OD, Active high P-P (WDI = 1.6s, reset delay = 200ms, Vtrpd - 4.6V)	.74	.57	.44
579-MCP1322T-29LE/OT	MCP1322T-29LE/OT	SOT-23-5	MR, Active low OD, Active High-PP (WDI = 1.6s, reset delay = 200ms, Vtrpd - 2.9V)	.74	.57	.44
579-MCP1322T-46LE/OT	MCP1322T-46LE/OT	SOT-23-5	MR, Active low OD, Active High-PP (WDI = 1.6s, reset delay = 200ms, Vtrpd - 4.6V)	.74	.57	.44

MICROCHIP VOLTAGE DETECTORS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-MCP111-290E/TO	MCP111-290E/TO	TO-92-3	1uA Supervisor Push-Pull Active Low	.41	.37	.33
579-MCP111-450E/TO	MCP111-450E/TO	TO-92-3	1uA Supervisor Push-Pull Active Low	.41	.37	.33
579-MCP111T-290E/TT	MCP111T-290E/TT	SOT-23-3	1uA Supervisor Push-Pull Active Low	.41	.37	.33
579-MCP111T-450E/TT	MCP111T-450E/TT	SOT-23-3	1uA Supervisor Push-Pull Active Low	.41	.37	.33
579-MCP112-290E/TO	MCP112-290E/TO	TO-92-3	1uA Supervisor Push-Pull Active Low	.41	.37	.33
579-MCP112-450E/TO	MCP112-450E/TO	TO-92-3	1uA Supervisor Push-Pull Active Low	.41	.37	.33
579-MCP112T-290E/TT	MCP112T-290E/TT	SOT-23-3	1uA Supervisor Push-Pull Active Low	.41	.37	.33
579-MCP112T-450E/TT	MCP112T-450E/TT	SOT-23-3	1uA Supervisor Push-Pull Active Low	.41	.37	.33

MICROCHIP VOLTAGE REFERENCES

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-MCP1525-I/TO	MCP1525-I/TO	TO-92-3	2.5V Precision Voltage Reference	.62	.60	.58
579-MCP1525T-I/TT	MCP1525T-I/TT	SOT-23-3	2.5V Precision Voltage Reference	.62	.60	.58
579-MCP1541-I/TO	MCP1541-I/TO	TO-92-3	4.096V Precision Voltage Reference	.62	.60	.58
579-MCP1541T-I/TT	MCP1541T-I/TT	SOT-23-3	4.096V Precision Voltage Reference	.62	.60	.58

MICROCHIP BATTERY CHARGERS

PRODUCT NEW

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Price Each		
				1	25	100
579-MCP73811T-420IOT	MCP73811T-420I/OT	SOT-23-5	SOT23 Simple low-cost Integrated Li-Ion/Li-Poly Charge mgnt controller, 4.2V Vreg out	1.08	.86	.60
579-MCP73812T-420IOT	MCP73812T-420I/OT	SOT-23-5	SOT23 Simple low-cost Integrated Li-Ion/Li-Poly Charge mgnt controller, 4.2V Vreg out	1.13	.90	.62
579-MCP73831T-2ACIOT	MCP73831T-2ACI/OT	SOT-23-5	Tiny Integrated Li-Ion/Li-Poly Charge mgnt controller, 4.2V Vreg	1.32	1.02	.78
579-MCP73832T-2ACIOT	MCP73832T-2ACI/OT	SOT-23-5	Tiny Integrated Li-Ion/Li-Poly Charge mgnt controller, 4.2V Vreg	1.34	1.04	.78
579-MCP73833-AMI/UN	MCP73833-AMI/UN	MSOP-10	1A Li-Ion/Li-Poly Charge mgmt controller, PG output	1.58	1.22	.92
579-MCP73834-FCI/UN	MCP73834-FCI/UN	MSOP-10	1A Li-Ion/Li-Poly Charge mgmt controller, TE output	1.58	1.22	.92
579-MCP73861-I/SL	MCP73861-I/SL	SOIC-16	Highly-Integrated Single Cell Lithium-Ion/Lithium-Polymer Charge Management Controller	2.42	1.86	1.46
579-MCP73862-I/SL	MCP73862-I/SL	SOIC-16	Highly-Integrated Dual Cell Lithium-Ion/Lithium-Polymer Charge Management Controller	2.74	2.11	1.65
579-MCP73863-I/SL	MCP73863-I/SL	SOIC-16	Highly-Integrated Dual Cell Lithium-Ion/Lithium-Polymer Charge Management Controller	2.42	1.87	1.46
579-MCP73864-I/SL	MCP73864-I/SL	SOIC-16	Highly-Integrated Dual Cell Lithium-Ion/Lithium-Polymer Charge Management Controller	2.74	2.11	1.65

NEC ELECTRONICS AMERICA Power Management

RoHS Compliant **This page of product is compliant.**

LOW DROPOUT VOLTAGE REGULATORS

- Ranging upward from a low output voltage of 1.5V
- Low current consumption with CMOS process, reduced from 1.5mA
- On/off function on UPC30 series
- High precision output voltage (+/- 1%)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Package	Vin. (V) Max.	Io (A)	Vo (V)	Dropout (V) Max.	Price Each		
							1	25	100
Bipolar Analog									
879-UPC2905BHBZ	UPC2905BHB-AZ	SC-63	16	1.0	5	0.6 at IO=0.5A	.76	.70	.64
879-UPC2918BHBZ	UPC2918BHB-AZ	SC-64	16	1.0	1.8	0.6 at IO=0.5A	.76	.70	.64
879-UPC2918BHFZ	UPC2918BHF-AZ	TO-220	16	1.0	1.8	0.6 at IO=0.5A	.78	.72	.65
879-UPC2925BHBZ	UPC2925BHB-AZ	SC-64	16	1.0	2.5	0.6 at IO=0.5A	.76	.70	.64
879-UPC2925BHFZ	UPC2925BHF-AZ	TO-220	16	1.0	2.5	0.6 at IO=0.5A	.78	.72	.65
879-UPC2933BHBZ	UPC2933BHB-AZ	SC-64	16	1.0	3.3	0.6 at IO=0.5A	.76	.70	.64
879-UPC2933BHFZ	UPC2933BHF-AZ	TO-220	16	1.0	3.3	0.6 at IO=0.5A	.78	.72	.65
879-UPC2925BT1D-AT	UPC2925BT1D-AT-E1	T0-252	16	1.0	2.5	0.6 at IO=0.5A	.70	.64	.59
879-UPC2933BT1D-AT	UPC2933BT1D-AT-E1	T0-252	16	1.0	3.3	0.6 at IO=0.5A	.74	.68	.62
879-UPC2918BT1D-AT	UPC2918BT1D-AT-E1	T0-252	16	1.0	1.8	0.6 at IO=0.5A	.70	.64	.59
879-UPC2905BT1D-E1	UPC2905BT1D-E1-AT	SC-74A	16	1	5	0.6 at IO=0.5A	.70	.64	.59
879-UPC2918BT1D-E1	UPC2918BT1D-E1-AT	TO-220	16	1	1.8	0.6 at IO=0.5A	.70	.64	.59
879-UPC2925BT1D-E1	UPC2925BT1D-E1-AT	TO-221	16	1	2.5	0.6 at IO=0.5A	.70	.64	.59
879-UPC2933BT1D-E1	UPC2933BT1D-E1-AT	TO-222	16	1	3.3	0.6 at IO=0.5A	.70	.64	.59
879-UPC2905BHFZ	UPC2905BHF-AZ	TO-220	16	1	5	0.6 at IO=0.5A	.78	.72	.65
879-UPC37M31TJ-E1	UPC37M31TJ-E1-AZ	5Pin	8	1/.05	3.3/1.8	1.0 at IOUT1=0.5A	1.11	1.02	.93
879-UPC37M32TJ-E1	UPC37M32TJ-E1-AZ	5Pin	8	1/.05	3.3/2.5	1.0 at IOUT1=0.5A	1.11	1.02	.93
879-UPC3033HZ	UPC3033H-AZ	TO-126	8	1	3.3	0.6 at IO=0.5A	.76	.70	.64
879-UPC3005HZ	UPC3005H-AZ	TO-126	8	1.0	5.0	0.6 at IO=0.5A	.76	.70	.64
879-UPC37M21HBZ	UPC37M21HB-AZ	SC-99	8	1/0.5	2.5/1.8	0.6 at IOUT1=0.5A	1.11	1.02	.93
879-UPC37M31HBZ	UPC37M31HB-AZ	SC-99	8	1/0.5	3.3/1.8	1.0 at IOUT1=0.5A	1.11	1.02	.93
879-UPC37M32HBZ	UPC37M32HB-AZ	SC-99	8	1/0.5	3.3/2.5	1.0 at IOUT1=0.5A	1.11	1.02	.93
Standard									
879-UPD120N15T1BZ	UPD120N15T1B-AZ	SOT-89	6	0.3	1.5	0.9 at IO=0.15A	.51	.47	.42
879-UPD120N18T1BZ	UPD120N18T1B-AZ	SOT-89	6	0.3	1.8	0.65 at IO=0.15A	.51	.47	.42
879-UPD120N25T1BZ	UPD120N25T1B-AZ	SOT-89	6	0.3	2.5	0.7at IO=0.15A	.51	.47	.42
879-UPD120N33T1B-AZ	UPD120N33T1B-AZ-E1	SC-62	6	0.3	3.3	0.6 at IO=0.15A	.51	.46	.42
879-UPD120N15T1B-E1	UPD120N15T1B-E1-AZ	SC-74A	6	0.3	1.5	0.9 at IO=0.15A	.51	.46	.42
879-UPD120N15TA-E1-A	UPD120N15TA-E1-A	SC-74A	6	0.3	1.5	0.9 at IO=0.15A	.53	.48	.44
879-UPD120N18T1B-E1	UPD120N18T1B-E1-AZ	TO-126	6	0.3	1.8	0.9 at IO=0.15A	.51	.46	.42
879-UPD120N18TA-E1-A	UPD120N18TA-E1-A	TO-126	6	0.3	1.8	0.65 at IO=0.15A	.53	.48	.44
879-UPD120N25T1B-E1	UPD120N25T1B-E1-AZ	5Pin	6	0.3	2.5	0.65 at IO=0.15A	.51	.46	.42
879-UPD120N25TA-E1-A	UPD120N25TA-E1-A	5Pin	6	0.3	2.5	0.7 at IO=0.15A	.53	.48	.44
879-UPD120N33T1B-E1	UPD120N33T1B-E1-AZ	5Pin	6	0.3	3.3	0.7 at IO=0.15A	.51	.46	.42
879-UPD120N33TA-E1-A	UPD120N33TA-E1-A	5Pin	6	0.3	3.3	0.6 at IO=0.5A	.53	.48	.44

LOW VOLTAGE POWER MOSFETS

- Super low ON-resistance
- Applications ranging from automotive electronics to PC power supplies
- A wide variety of package types for various mounting requirements
- High reliability

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Package	Configuration	Polarity	Vdss (V)	Id (DC) (A)	Price Each		
							1	25	100
879-UPA1792G-E1	UPA1792G-E1-A	SOP-8	Complementary	N/P	30	6.8	1.06	.97	.88
879-UPA1890GR-9JG-E1	UPA1890GR-9JG-E1-A	TSSOP-8	Complementary	N/P	30	6	1.04	.95	.87
879-UPA2790GR-E1	UPA2790GR-E1-A	SOP-8	Complementary	N/P	30	6	.89	.82	.75
879-UPA2709GR-E1	UPA2709GR-E1-A	SOP-8	Complementary	N/P	30/-30	6/-6	.72	.66	.60
879-UPA2450BTL-E1	UPA2450BTL-E1-A	HWSON-6	Dual	N	20	8.6	.51	.47	.43
879-UPA2451BTL-E1	UPA2451BTL-E1-A	HWSON-6	Dual	N	30	8.2	.51	.47	.43
879-UPA2755GR-A	UPA2755GR-A	SOP-8	Dual	N	30	8	.71	.65	.59
879-UPA1750GR-E1	UPA1750GR-E1-A	SOP-8	Dual	P	-20	-3.5	1.14	1.05	.95
879-UPA1763G-E1	UPA1763G-E1-A	SOP-8	Dual	N	60	4.5	1.20	1.10	1.00
879-UPA1764G-E1	UPA1764G-E1-A	SOP-8	Dual	N	60	7	1.49	1.37	1.24
879-UPA1770G-E1	UPA1770G-E1-A	SOP-8	Dual	P	-20	-6	1.06	.97	.88
879-UPA1856GR-9JG-E1	UPA1856GR-9JG-E1-A	TSSOP-8	Dual	P	-20	-4.5	.99	.91	.83
879-UPA1857GR-9JG-E1	UPA1857GR-9JG-E1-A	TSSOP-8	Dual	N	60	3.8	1.01	.92	.84
879-UPA1858GR-9JG-E1	UPA1858GR-9JG-E1-A	TSSOP-8	Dual	P	-20	-5	1.08	.99	.90
879-UPA1950TE-T1	UPA1950TE-T1-A	SC-95	Dual	P	-12	-2.5	.67	.61	.56
879-UPA1951TE-T1	UPA1951TE-T1-A	SC-95	Dual	P	-12	-2.5	.62	.56	.51
879-UPA1952TE-T1	UPA1952TE-T1-A	SC-95	Dual	P	-20	-2	.62	.56	.51
879-UPA1970TE-T1	UPA1970TE-T1-A	SC-95	Dual	N	20	2.2	.48	.44	.40
879-UPA1981TE-T1	UPA1981TE-T1-A	SC-95	Dual	N/P	0	2.8	.29	.27	.24
879-UPA2733GR-E1	UPA2733GR-E1-A	SOP-8	Dual	N	-30	-5	.54	.50	.45
879-UPA2750GR-E1	UPA2750GR-E1-A	SOP-8	Dual	N	30	9	1.55	1.42	1.29
879-UPA2751GR-E1	UPA2751GR-E1-A	SOP-8	Dual	N	30	9	1.41	1.29	1.18
879-UPA2754GR-E1	UPA2754GR-E1-A	SOP-8	Dual	N	30	11	1.49	1.37	1.24
879-UPA2755GR-E1	UPA2755GR-E1-A	SOP-8	Dual	N	30	8	.71	.65	.59
879-UPA672T-T1	UPA672T-T1-A	SC-88	Dual	N	50	0.1	.22	.20	.18
879-UPA675T-T1	UPA675T-T1-A	SC-88	Dual	N	16	0.1	.26	.23	.21
879-UPA677TB-T1	UPA677TB-T1-A	SC-88	Dual	N	20	0.35	.26	.23	.21
879-UPA1911ATE-T1	UPA1911ATE-T1-A	SC-95	Single	P	-20	-2.5	.37	.34	.31
879-UPA2701GR-E1	UPA2701GR-E1-A	SOP-8	Single	N	30	14	1.14	1.04	.95
879-UPA2714GR-E1	UPA2714GR-E1-A	SOP-8	Single	P	-30	-7	.61	.56	.51
879-2SJ557-T1B	2SJ557-T1B-A	SC-75	Single	P	-30	-2.5	.44	.41	.37
879-2SJ621-T1B	2SJ621-T1B-A	SC-96	Single	P	-12	-3.5	.34	.31	.28
879-2SK3105-T1B	2SK3105-T1B-A	SC-75	Single	N	30	2.5	.47	.43	.39
879-2SK3111Z	2SK3111-AZ	TO-220AB	Single	N	200	20	1.99	1.82	1.66
879-2SK3112Z	2SK3112-AZ	TO-220AB	Single	N	200	25	2.81	2.57	2.34
879-2SK3576-T1B	2SK3576-T1B-A	SC-96	Single	N	20	4	.29	.27	.25
879-2SK3634-Z-AZ	2SK3634-Z-AZ	T0-252/MP-3	Single	N	200	6	1.20	1.10	1.00
879-NP110N04PUG-E1Z	NP110N04PUG-E1-AZ	MP-25ZP	Single	N	40	110	3.68	3.37	3.07
879-NP110N055PUG-E1Z	NP110N055PUG-E1-AZ	MP-25ZP	Single	N	55	110	3.76	3.44	3.13
879-2SJ202-T1	2SJ202-T1-A	SC-70	Single	P	-16	-0.1	.14	.12	.11
879-2SJ243-T1	2SJ243-T1-A	SC-75	Single	P	-30	-0.1	.16	.15	.13
879-2SJ356-T1Z	2SJ356-T1-AZ	SC-62	Single	P	-60	-2	.64	.59	.53
879-2SJ463A-T1	2SJ463A-T1-A	SC-75	Single	P	-30	-0.1	.14	.13	.12
879-2SJ559-T1	2SJ559-T1-A	SC-75	Single	P	-30	-0.1	.19	.17	.16
879-2SJ624-T1B	2SJ624-T1B-A	SC-96	Single	P	-20	-4.5	.34	.31	.28
879-2SJ625-T1B	2SJ625-T1B-A	SC-96	Single	P	-20	-3	.29	.27	.25
879-2SJ647-T1	2SJ647-T1-A	SC-70	Single	P	-20	-0.4	.20	.18	.17
879-2SJ648-T1	2SJ648-T1-A	SC-75	Single	P	-20	-0.4	.20	.18	.17
879-2SK1580-T1	2SK1580-T1-A	SC-70	Single	N	16	1	.14	.12	.11
879-2SK1586-T1Z	2SK1586-T1-AZ	SC-62	Single	N	30	1	.57	.53	.48
879-2SK1658-T1	2SK1658-T1-A	SC-70	Single	N	30	0.1	.14	.13	.12
879-2SK1824-T1	2SK1824-T1-A	SC-75	Single	N	30	0.1	.16	.14	.13
879-2SK1958-T1	2SK1958-T1-A	SC-70	Single	N	16	0.1	.12	.11	.10
879-2SK2857-T1Z	2SK2857-T1-AZ	SC-62	Single	N	60	4	.63	.58	.52
879-2SK2858-T1	2SK2858-T1-A	SC-70	Single	N	30	0.1	.13	.12	.11

NEC ELECTRONICS AMERICA Power Management

NEC
NEC Electronics America

RoHS Compliant **This page of product is compliant.**

LOW VOLTAGE POWER MOSFETS (CONT.)

- Super low ON-resistance
- Applications ranging from automotive electronics to PC power supplies
- A wide variety of package types for various mounting requirements
- High reliability

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Package	Configuration	Polarity	Vdss (V)	Id (DC) (A)	Price Each		
							1	25	100
879-2SK3107-T1	2SK3107-T1-A	SC-75	Single	N	30	0.1	.19	.18	.16
879-2SK3503-T1	2SK3503-T1-A	SC-75	Single	N	16	0.1	.12	.11	.10
879-2SK3570-ZK-E1Z	2SK3570-ZK-E1-AZ	MP-25ZK	Single	N	20	48	.66	.61	.55
879-2SK3572-ZK-E1Z	2SK3572-ZK-E1-AZ	MP-25ZK	Single	N	20	80	1.52	1.39	1.27
879-2SK3573-ZK-E1Z	2SK3573-ZK-E1-AZ	MP-25ZK	Single	N	20	83	2.05	1.88	1.71
879-2SK3575-ZK-E1Z	2SK3575-ZK-E1-AZ	MP-25ZK	Single	N	30	83	2.28	2.09	1.90
879-2SK3634-Z-E1Z	2SK3634-Z-E1-AZ	MP-3Z	Single	N	200	6	1.20	1.10	1.00
879-2SK3659	2SK3659-A	TO-220	Single	N	20	65	1.66	1.52	1.38
879-2SK3663-T1	2SK3663-T1-A	SC-70	Single	N	20	0.5	.16	.14	.13
879-2SK3664-T1	2SK3664-T1-A	SC-75	Single	N	20	0.5	.21	.20	.18
879-2SK3919-ZK-E1Z	2SK3919-ZK-E1-AZ	MP-3ZK	Single	N	25	64	.74	.68	.62
879-2SK3991-ZK-E1Z	2SK3991-ZK-E1-AZ	MP-3ZK	Single	N	25	30	.58	.53	.48
879-NP110N03PUG-E1Z	NP110N03PUG-E1-AZ	MP-25ZP	Single	N	30	110	3.60	3.30	3.00
879-NP52N055SUG-E1Z	NP52N055SUG-E1-AZ	MP-3ZK	Single	N	55	52	1.25	1.14	1.04
879-NP55N055SDG-E1Z	NP55N055SDG-E1-AZ	MP-3ZK	Single	N	55	55	1.45	1.33	1.21
879-NP55N055SUG-E1Z	NP55N055SUG-E1-AZ	MP-3ZK	Single	N	55	55	1.45	1.33	1.21
879-NP60N03KUG-E1Z	NP60N03KUG-E1-AZ	MP-25ZK	Single	N	30	60	1.37	1.25	1.14
879-NP60N04KUG-E1Z	NP60N04KUG-E1-AZ	MP-25ZK	Single	N	40	60	1.44	1.32	1.20
879-NP82N03PUG-E1Z	NP82N03PUG-E1-AZ	MP-25ZP	Single	N	30	82	2.05	1.88	1.71
879-NP82N04PUG-E1Z	NP82N04PUG-E1-AZ	MP-25ZP	Single	N	40	82	2.12	1.95	1.77
879-NP82N055PUG-E1Z	NP82N055PUG-E1-AZ	MP-25ZP	Single	N	55	82	2.20	2.02	1.84
879-NP88N03KUG-E1Z	NP88N03KUG-E1-AZ	MP-25ZK	Single	N	30	88	2.47	2.26	2.06
879-NP88N04KUG-E1Z	NP88N04KUG-E1-AZ	MP-25ZK	Single	N	40	82	2.54	2.33	2.12
879-NP88N055KUG-E1Z	NP88N055KUG-E1-AZ	MP-25ZK	Single	N	55	82	2.62	2.40	2.18
879-UPA1723G-E1	UPA1723G-E1-A	SOP-8	Single	N	20	13	1.45	1.33	1.21
879-UPA1724G-E1	UPA1724G-E1-A	SOP-8	Single	N	20	10	.91	.84	.76
879-UPA1725G-E1	UPA1725G-E1-A	SOP-8	Single	N	20	7	.71	.65	.59
879-UPA1730TP-E1Z	UPA1730TP-E1-AZ	HSOP-8	Single	P	-30	-28	1.15	1.05	.96
879-UPA1740TP-E1Z	UPA1740TP-E1-AZ	HSOP-8	Single	N	200	7	1.21	1.11	1.01
879-UPA1741TP-E1Z	UPA1741TP-E1-AZ	HSOP-8	Single	N	250	5	1.25	1.15	1.04
879-UPA1806GR-9JG-E1	UPA1806GR-9JG-E1-A	TSSOP-8	Single	N	30	13	1.04	.95	.86
879-UPA1807GR-9JG-E1	UPA1807GR-9JG-E1-A	TSSOP-8	Single	N	30	12	.82	.75	.68
879-UPA1814GR-9JG-E1	UPA1814GR-9JG-E1-A	TSSOP-8	Single	P	-30	-7	1.10	1.01	.92
879-UPA1816GR-9JG-E1	UPA1816GR-9JG-E1-A	TSSOP-8	Single	P	-12	-9	.78	.71	.65
879-UPA1817GR-9JG-E1	UPA1817GR-9JG-E1-A	TSSOP-8	Single	P	-20	-12	1.16	1.07	.97
879-UPA1820GR-9JG-E1	UPA1820GR-9JG-E1-A	TSSOP-8	Single	N	20	12	.99	.91	.83
879-UPA1840GR-9JG-E1	UPA1840GR-9JG-E1-A	TSSOP-8	Single	N	200	2.2	1.04	.95	.86
879-UPA1901TE-T1	UPA1901TE-T1-A	SC-95	Single	N	30	6.5	.35	.32	.29
879-UPA1902TE-T1	UPA1902TE-T1-A	SC-95	Single	N	30	7	.34	.31	.28
879-UPA1914TE-T1	UPA1914TE-T1-A	SC-95	Single	P	-30	-4.5	.50	.46	.42
879-UPA1915TE-T1	UPA1915TE-T1-A	SC-95	Single	P	-20	-4.5	.41	.38	.34
879-UPA2610T1C-E1	UPA2610T1C-E1-A	8LD2x3MLPM	Single	P	0	-5	.63	.58	.52
879-UPA2701TP-E1Z	UPA2701TP-E1-AZ	HSOP-8	Single	N	30	35	1.25	1.15	1.04
879-UPA2702TP-E1Z	UPA2702TP-E1-AZ	HSOP-8	Single	N	30	35	1.13	1.03	.94
879-UPA2706GR-E1	UPA2706GR-E1-A	SOP-8	Single	N	30	11	.71	.65	.59
879-UPA2707GR-E1	UPA2707GR-E1-A	SOP-8	Single	N	30	19	1.62	1.48	1.35
879-UPA2707TP-E1Z	UPA2707TP-E1-AZ	HSOP-8	Single	N	30	42	1.70	1.55	1.41
879-UPA2708TP-E1Z	UPA2708TP-E1-AZ	HSOP-8	Single	N	30	40	1.28	1.17	1.07
879-UPA2713GR-E1	UPA2713GR-E1-A	SOP-8	Single	P	-30	-8	.64	.59	.54
879-UPA2719GR-E1	UPA2719GR-E1-A	SOP-8	Single	P	-30	-10	.71	.65	.59
879-UPA2730TP-E1Z	UPA2730TP-E1-AZ	SOP-8	Single	P	-30	-42	1.57	1.44	1.31
879-UPA2781GR-A	UPA2781GR-A	SOP-8	Single MOSFET & Schottky	N	30	13	1.08	.99	.90
879-UPA2780GR-E1	UPA2780GR-E1-A	SOP-8	Single MOSFET & Schottky	N	30	14	1.16	1.06	.96
879-UPA2781GR-E1	UPA2781GR-E1-A	SOP-8	Single MOSFET & Schottky	N	30	13	1.08	.99	.90
879-UPA2782GR-E1	UPA2782GR-E1-A	SOP-8	Single MOSFET & Schottky	N	30	11	.99	.91	.83
879-UPA620TT-E1	UPA620TT-E1-A	WSOF-6	Single	N	20	5	.41	.38	.34
879-UPA621TT-E1	UPA621TT-E1-A	WSOF-6	Single	N	20	5	.35	.33	.30
879-UPA622TT-E1	UPA622TT-E1-A	WSOF-6	Single	N	30	3	.34	.31	.28
879-UPA650TT-E1	UPA650TT-E1-A	WSOF-6	Single	P	-12	-5	.39	.36	.33
879-UPA651TT-E1	UPA651TT-E1-A	WSOF-6	Single	P	-20	-5	.39	.36	.33
879-UPA652TT-E1	UPA652TT-E1-A	WSOF-6	Single	P	-20	-2	.35	.33	.30
879-UPA653TT-E1	UPA653TT-E1-A	WSOF-6	Single	P	-30	-2.5	.35	.33	.30
879-2SJ355-T1-A	2SJ355-T1-A	SC-62	Single	P	-30	-2	.62	.56	.51
879-2SK3105-T1B	2SK3105-T1B-A	SC-75	Single	N	30	2.5	.47	.43	.39
879-NP22N055SHE-E1	NP22N055SHE-E1-AZ	TO-252	Single	N	55	22	.93	.86	.78
879-NP22N055SLE-E1	NP22N055SLE-E1-AZ	TO-253	Single	N	55	22	.93	.86	.78
879-NP32N055SHE-E1	NP32N055SHE-E1-AZ	TO-254	Single	N	55	32	1.30	1.19	1.09
879-NP32N055SLE-E1	NP32N055SLE-E1-AZ	TO-255	Single	N	55	32	1.30	1.19	1.09
879-NP34N055SLE-E1	NP34N055SLE-E1-AZ	TO-257	Single	N	55	34	1.50	1.38	1.25
879-NP36N055SHE-E1	NP36N055SHE-E1-AZ	TO-251	Single	N	55	36	1.86	1.71	1.55

ESD PROTECTION DIODES

- Ensured compliance with international ESD standard (IEC61000-4-2 Level 4)
- Low capacitance, suitable for high-speed signal lines

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Package	Configuration	Ct (pF)	IR (uA)	ESD (min.) kV	Price Each		
							1	25	100
879-NSAD500F	NSAD500F-A	SC-59	Dual	3.5	0.1	8	.15	.14	.12
879-NSAD500S	NSAD500S-A	SC-70	Dual	3.5	0.1	8	.27	.25	.23
879-NSAD500H	NSAD500H-A	SC-88A	Quad	3.5	0.1	8	.35	.32	.29

USB DEVICES

- USB2.0 specification
- Supports connection to existing USB1.x devices
- 40 times faster than USB 1.x.

For quantities of 500 and up, call for quote.

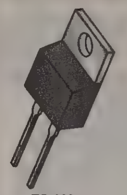
MOUSER STOCK NO.	NEC Part No.	Package	Transfer Rate (USB 2.0)	Vdd (typ.)	Price Each		
					1	25	100
879-UPD720101GJ-UEN	UPD720101GJ-UEN-A	144 Pin LQFP	480Mbps	3.3 - 5.0	16.50	15.13	13.75
879-UPD720101F1-EA8	UPD720101F1-EA8-A	144 Pin FPBGA	480Mbps	3.3 - 5.0	16.50	15.13	13.75
879-UPD720112GK-9EU	UPD720112GK-9EU-A	4 port HUB	480Mbps	2.5 - 3.3	10.50	9.63	8.75
879-UPD720113GK-9EU	UPD720113GK-9EU-A	7 port HUB	480Mbps	2.5 - 3.3	19.50	17.88	16.25
879-UPD720114GA-9EU	UPD720114GA-9EU-A	4 port HUB	480Mbps	3.3	9.00	8.25	7.50

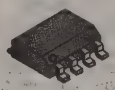
This page of product is compliant.

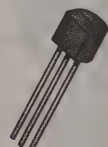
GENERAL PURPOSE LINEAR REGULATORS

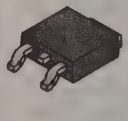
For quantities of 1000 and up, call for quote.

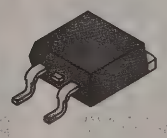
MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VO Typ. (V)	IO Typ. (A)	VDO Typ. (V)	VI Max. (V)	Price Each			
							1	25	100	500
Negative Polarity, Single Output										
863-MC7915ACTG	MC7915ACTG	TO-220	-15	1	1.3	-35	.45	.38	.30	.27
863-MC7915CTG	MC7915CTG	TO-220	-15	1	1.3	-35	.38	.32	.29	.24
863-MC79L15ACDR2G	MC79L15ACDR2G	SOIC-8	-15	0.1	1.7	-35	.21	.17	.14	.13
863-MC79L15ACPG	MC79L15ACPG	TO-92	-15	0.1	1.7	-35	.21	.18	.14	.11
863-MC79M15CTG	MC79M15CTG	TO-220	-15	0.5	1.1	-35	.38	.32	.26	.23
863-MC7912CTG	MC7912CTG	TO-220	-12	1	1.3	-35	.38	.32	.29	.24
863-MC79L12ACPG	MC79L12ACPG	TO-92	-12	0.1	1.7	-35	.21	.18	.14	.11
863-MC79M12BTG	MC79M12BTG	TO-220	-12	0.5	1.1	-35	.51	.43	.34	.31
863-MC79M12CDTG	MC79M12CDTG	DPAK	-12	0.5	1.1	-35	.44	.37	.29	.24
863-MC79M12CTG	MC79M12CTG	TO-220	-12	0.5	1.1	-35	.38	.32	.29	.24
863-MC7905ACTG	MC7905ACTG	TO-220	-5	1	1.3	-35	.45	.38	.30	.27
863-MC7905CTG	MC7905CTG	TO-220	-5	1	1.3	-35	.38	.32	.29	.24
863-MC79L05ABPRAG	MC79L05ABPRAG	TO-92	-5	0.1	1.7	-30	.30	.25	.20	.18
863-MC79L05ACDG	MC79L05ACDG	SOIC-8	-5	0.1	1.7	-30	.21	.17	.14	.13
863-MC79L05ACDR2G	MC79L05ACDR2G	SOIC-8	-5	0.1	1.7	-30	.21	.17	.14	.13
863-MC79L05ACPG	MC79L05ACPG	TO-92	-5	0.1	1.7	-5	.21	.18	.14	.11
863-MC79L05ACPRAG	MC79L05ACPRAG	TO-92	-5	0.1	1.7	-30	.21	.18	.14	.11
863-MC79M05CDTG	MC79M05CDTG	DPAK	-5	0.5	1.1	-35	.44	.37	.29	.24
863-LM337BD2TR4G	LM337BD2TR4G	D2PAK	Adjustable	1.5	2.7	-40	1.25	1.04	.83	.74
863-LM337BTG	LM337BTG	TO-220	Adjustable	1.5	2.5	-40	.95	.79	.63	.54
863-LM337TG	LM337TG	TO-220	Adjustable	1.5	2.5	-40	.95	.79	.60	.51
Positive Polarity, Single Output										
863-LM317LDR2G	LM317LDR2G	SOIC-8	Adjustable	0.1	2	40	.40	.34	.26	.17
863-MC34160PG	MC34160PG	PDIP-16	5	0.1	2	40	2.16	1.80	1.44	1.30
863-MC7805ACD2TG	MC7805ACD2TG	D2PAK	5	1	2	35	.68	.57	.45	.40
863-MC7805ACTG	MC7805ACTG	TO-220	5	1	2	35	.45	.38	.30	.27
863-MC7805BD2TG	MC7805BD2TG	D2PAK	5	1	2	35	.71	.60	.47	.42
863-MC7805BTG	MC7805BTG	TO-220	5	1	2	35	.45	.38	.30	.27
863-MC7805CD2TG	MC7805CD2TG	D2PAK	5	1	2	35	.61	.51	.40	.36
863-MC7805CD2TR4G	MC7805CD2TR4G	D2PAK	5	1	2	35	.93	.78	.62	.56
863-MC7805CDTRKG	MC7805CDTRKG	DPAK	5	1	2	35	1.08	.90	.72	.65
863-MC7815CD2TR4G	MC7815CD2TR4G	D2PAK	15	1	2	35	.93	.78	.62	.56
863-MC78L05ABDG	MC78L05ABDG	SOIC-8	5	0.1	1.7	30	.27	.22	.18	.16
863-MC78L05ABPG	MC78L05ABPG	TO-92	5	0.1	1.7	30	.27	.23	.18	.16
863-MC78L05ABPRAG	MC78L05ABPRAG	TO-92	5	0.1	1.7	30	.27	.23	.18	.16
863-MC78L05ACDG	MC78L05ACDG	SOIC-8	5	0.1	1.7	30	.21	.17	.14	.13
863-MC78L05ACDR2G	MC78L05ACDR2G	SOIC-8	5	0.1	1.7	30	.39	.29	.22	.14
863-MC78L05ACPG	MC78L05ACPG	TO-92	5	0.1	1.7	30	.21	.18	.14	.11
863-MC78L05ACPRAG	MC78L05ACPRAG	TO-92	5	0.1	1.7	30	.21	.18	.14	.11
863-MC78L05ACPREG	MC78L05ACPREG	TO-92	5	0.1	1.7	30	.20	.16	.13	.12
863-MC78L05ACPRMG	MC78L05ACPRMG	TO-92	5	0.1	1.7	30	.20	.16	.13	.12
863-MC78L05ACPRPG	MC78L05ACPRPG	TO-92	5	0.1	1.7	30	.20	.16	.13	.12
863-MC78L05ABDR2G	MC78L05ABDR2G	SOIC-8	5	0.1	1.7	30	.54	.45	.29	.18
863-MC78L05ACPRPG	MC78L05ACPRPG	TO-92	5	0.1	1.7	30	.20	.16	.13	.12
863-MC78LC50HT1G	MC78LC50HT1G	SOT-89	5	0.08	1	12	.64	.53	.48	.41
863-MC78LC50NTRG	MC78LC50NTRG	SOT-23	5	0.08	1	12	.64	.53	.48	.41
863-MC78M05BDTG	MC78M05BDTG	DPAK	5	0.5	2	35	.56	.47	.38	.34
863-MC78M05BTG	MC78M05BTG	TO-220	5	0.5	2	35	.51	.43	.34	.31
863-MC78M05BDTRKG	MC78M05BDTRKG	DPAK	5	0.5	2	35	.47	.39	.35	.30
863-MC78M05CDTG	MC78M05CDTG	DPAK	5	0.5	2	35	.44	.37	.29	.24
863-MC78M05CDTRKG	MC78M05CDTRKG	DPAK	5	0.5	2	35	.44	.37	.29	.24
863-MC78M05CTG	MC78M05CTG	TO-220	5	0.5	2	35	.38	.32	.29	.24
863-MC7806CTG	MC7806CTG	TO-220	6	1	2	35	.38	.32	.29	.24
863-MC7808BTG	MC7808BTG	TO-220	8	1	2	35	.45	.38	.30	.27
863-MC7808CTG	MC7808CTG	TO-220	8	1	2	35	.38	.32	.29	.24
863-MC78L08ACDR2G	MC78L08ACDR2G	SOIC-8	8	0.1	1.7	30	.21	.17	.14	.13
863-MC78L08ACPG	MC78L08ACPG	TO-92	8	0.1	1.7	30	.21	.18	.14	.11
863-MC78M08CDTG	MC78M08CDTG	DPAK	8	0.5	2	35	.44	.37	.29	.24
863-MC78M08CTG	MC78M08CTG	TO-220	8	0.5	2	35	.38	.32	.29	.24
863-MC7809CTG	MC7809CTG	TO-220	9	1	2	35	.38	.32	.29	.24
863-MC7812ACTG	MC7812ACTG	TO-220	12	1	2	35	.45	.38	.30	.27
863-MC7812BTG	MC7812BTG	TO-220	12	1	2	35	.45	.38	.30	.27
863-MC7812CTG	MC7812CTG	TO-220	12	1	2	35	.38	.32	.29	.24
863-MC78L12ACDG	MC78L12ACDG	SOIC-8	12	0.1	1.7	35	.21	.17	.14	.13
863-MC78L12ACDR2G	MC78L12ACDR2G	SOIC-8	12	0.1	1.7	35	.39	.29	.22	.17
863-MC78L12ACPG	MC78L12ACPG	TO-92	12	0.1	1.7	35	.21	.18	.14	.11
863-MC78M12BTG	MC78M12BTG	TO-220	12	0.5	2	35	.51	.43	.34	.31
863-MC78M12CDTG	MC78M12CDTG	DPAK	12	0.5	2	35	.44	.37	.29	.24
863-MC78M12CTG	MC78M12CTG	TO-220	12	0.5	2	35	.38	.32	.29	.24
863-MC7815BTG	MC7815BTG	TO-220	15	1	2	35	.45	.38	.30	.27
863-MC7815CTG	MC7815CTG	TO-220	15	1	2	35	.38	.32	.29	.24
863-MC78L15ACDR2G	MC78L15ACDR2G	SOIC-8	15	0.1	1.7	35	.21	.17	.14	.13
863-MC78L15ACPG	MC78L15ACPG	TO-92	15	0.1	1.7	35	.21	.18	.14	.11
863-MC78M15CTG	MC78M15CTG	TO-220	15	0.5	2	35	.38	.32	.29	.24
863-MC78L18ACPG	MC78L18ACPG	TO-92	18	0.1	1.7	35	.21	.18	.14	.11
863-MC7824CTG	MC7824CTG	TO-220	24	1	2	40	.38	.32	.29	.24
863-MC78M24CTG	MC78M24CTG	TO-220	24	0.5	2	40	.38	.32	.29	.24
863-LM317BD2TG	LM317BD2TG	D2PAK	Adjustable	1.5	2.25	40	.89	.75	.59	.53
863-LM317BTG	LM317BTG	TO-220	Adjustable	1.5	2.25	40	.83	.59	.48	.40
863-LM317D2TG	LM317D2TG	D2PAK	Adjustable	1.5	2.25	40	.78	.66	.52	.47
863-LM317LBDG	LM317LBDG	SOIC-8	Adjustable	0.1	2	40	.59	.48	.35	.29
863-LM317LDG	LM317LDG	SOIC-8	Adjustable	0.1	2	40	.28	.24	.19	.17
863-LM317LZG	LM317LZG	TO-92	Adjustable	0.1	2	40	.55	.39	.30	.22
863-LM317LZRAG	LM317LZRAG	TO-92	Adjustable	0.1	2	40	.27	.22	.18	.16
863-LM317MBTG	LM317MBTG	TO-220	Adjustable	0.5	2.2	40	.57	.47	.38	.34
863-LM317MDTG	LM317MDTG	DPAK	Adjustable	0.5	2.2	40	.59	.49	.39	.35
863-LM317MTG	LM317MTG	TO-220	Adjustable	0.5	2.2	40	.69	.55	.41	.37
863-LM317TG	LM317TG	TO-220	Adjustable	1.5	2.25	40	.75	.53	.41	.27
863-LM350TG	LM350TG	TO-220	Adjustable	3	2.5	35	1.68	1.37	1.10	.96

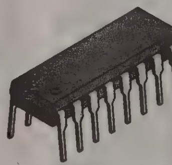

TO-220

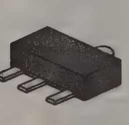

SOIC-8

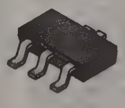

TO-92


DPAK


D2PAK


PDIP-16


SOT-89


SOT-23

ON SEMICONDUCTOR Power Management

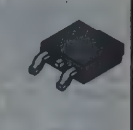
LOW DROP OUT LINEAR REGULATORS

RoHS Compliant **This page of product is compliant.**

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VO Typ. (V)	IO Typ. (A)	VDO Typ. (V)	VI Max. (V)	Price Each			
							1	25	100	500
Positive Polarity, Single Output										
863-CS8101YD8G	CS8101YD8G	SOIC-8	5	0.1	0.4	60	1.68	1.40	1.26	1.06
863-CS8151YDPS7G	CS8151YDPS7G	DPAK	5	0.1	0.4	60	4.08	3.40	3.06	2.58
863-CS8221YDFR8G	CS8221YDFR8G	SOIC-8	5	0.1	0.4	26	1.52	1.27	1.14	.96
863-NCP565D2T12G	NCP565D2T12G	D2PAK	1.2	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCP565D2T12G	NCP565D2T12G	D2PAK	1.2	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCP565D2T12R4G	NCP565D2T12R4G	D2PAK	1.2	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCP565D2T12R4G	NCP565D2T12R4G	D2PAK	1.2	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCP5661MN15T2G	NCP5661MN15T2G	DFN 6	1.5	1	1	9	1.58	1.31	1.18	1.00
863-NCP5661MN18T2G	NCP5661MN18T2G	DFN 6	1.8	1	1	9	1.58	1.31	1.18	1.00
863-NCP5661MN25T2G	NCP5661MN25T2G	DFN 6	2.5	1	1	9	1.58	1.31	1.18	1.00
863-NCP5661MN28T2G	NCP5661MN28T2G	DFN 6	2.8	1	1	9	1.58	1.31	1.18	1.00
863-NCP5661MN30T2G	NCP5661MN30T2G	DFN 6	3	1	1	9	1.58	1.31	1.18	1.00
863-NCV1117ST50T3G	NCV1117ST50T3G	SOT-223	5	1	1.2	20	.93	.78	.70	.59
863-NCV4274ADS50G	NCV4274ADS50G	D2PAK	5	0.4	0.25	45	2.46	2.05	1.85	1.56
863-NCV4274ADS50R4G	NCV4274ADS50R4G	D2PAK	5	0.4	0.25	45	2.46	2.05	1.85	1.56
863-NCV4274ADS50R4G	NCV4274ADS50R4G	D2PAK	5	0.4	0.25	45	2.46	2.05	1.85	1.56
863-NCV4274ADT33RKG	NCV4274ADT33RKG	DPAK	3.3	0.4	0.25	45	1.92	1.60	1.44	1.22
863-NCV4274ADT50RKG	NCV4274ADT50RKG	DPAK	5	0.4	0.25	45	1.92	1.60	1.44	1.22
863-NCV4274AST25T3G	NCV4274AST25T3G	SOT-223	2.5	0.4	0.25	45	1.62	1.35	1.22	1.03
863-NCV4274AST33T3G	NCV4274AST33T3G	SOT-223	3.3	0.4	0.25	45	1.62	1.35	1.22	1.03
863-NCV4274DS50G	NCV4274DS50G	D2PAK	5	0.4	0.25	45	2.40	2.00	1.80	1.52
863-NCV4274DS50R4G	NCV4274DS50R4G	D2PAK	5	0.4	0.25	45	2.40	2.00	1.80	1.52
863-NCV4274DT33RKG	NCV4274DT33RKG	DPAK	3.3	0.4	0.25	45	1.86	1.55	1.40	1.18
863-NCV4274DT50RKG	NCV4274DT50RKG	DPAK	5	0.4	0.25	45	1.86	1.55	1.40	1.18
863-NCV4274ST25T3G	NCV4274ST25T3G	SOT-223	2.5	0.4	0.25	45	1.56	1.30	1.17	.99
863-NCV4274ST33T3G	NCV4274ST33T3G	SOT-223	3.3	0.4	0.25	45	1.56	1.30	1.17	.99
863-NCV4276ADT33RKG	NCV4276ADT33RKG	DPAK	3.3	0.4	0.25	45	1.98	1.65	1.49	1.25
863-NCV551SN31T1G	NCV551SN31T1G	SOT-23	3.1	0.15	0.04	12	.63	.53	.47	.40
863-NCV565D2TG	NCV565D2TG	D2PAK	-	-	1.3	-	1.80	1.50	1.35	1.14
863-NCV565D2TR4G	NCV565D2TR4G	D2PAK	-	-	1.3	-	1.80	1.50	1.35	1.14
863-NCV8501D25G	NCV8501D25G	SOIC-8	2.5	0.15	-	26	1.56	1.30	1.04	.94
863-NCV8501PDW25G	NCV8501PDW25G	SOIC-16W EPAD	2.5	0.15	-	26	1.71	1.43	1.14	1.03
863-NCV8502D25G	NCV8502D25G	SOIC-8	2.5	0.15	-	26	1.53	1.28	1.02	.92
863-NCV8502PDW25G	NCV8502PDW25G	SOIC-16W EPAD	2.5	0.15	-	26	1.71	1.43	1.14	1.03
863-NCV8503PW25G	NCV8503PW25G	SOIC-16W EPAD	2.5	0.4	-	26	1.83	1.53	1.22	1.10
863-NCV8512PW50G	NCV8512PW50G	SOIC 16	5	0.15	0.6	60	2.52	2.10	1.89	1.60
863-NCV8512PW50R2G	NCV8512PW50R2G	SOIC 16	5	0.15	0.6	60	2.52	2.10	1.89	1.60
863-NCV8664DT50RKG	NCV8664DT50RKG	DPAK	5	0.15	0.5	45	3.00	2.50	2.25	1.90
863-NCV8664ST50T3G	NCV8664ST50T3G	SOT-223	5	0.15	0.5	45	2.70	2.25	2.03	1.71
863-LM2931AZ-5.0G	LM2931AZ-5.0G	TO-92	5	0.1	0.16	40	.80	.66	.53	.48
863-NCP1117STAT3G	NCP1117STAT3G	SOT-223	Adjustable	1	1.2	20	.84	.70	.56	.50
863-NCP565D2TG	NCP565D2TG	D2PAK	Adjustable	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCV8504PW25G	NCV8504PW25G	SOIC-16W EPAD	2.5	0.4	N/A	26	1.80	1.50	1.20	1.08
863-MC33269D-3.3G	MC33269D-3.3G	SOIC-8	3.3	0.8	1.1	20	.69	.58	.46	.42
863-NCP1117DT33G	NCP1117DT33G	DPAK	3.3	1	1.2	20	.46	.39	.31	.28
863-NCV8501D33G	NCV8501D33G	SOIC-8	3.3	0.15	N/A	26	1.56	1.30	1.04	.94
863-NCV8501PDW33G	NCV8501PDW33G	SOIC-16W EPAD	3.3	0.15	N/A	26	1.71	1.43	1.14	1.03
863-NCV8502D33G	NCV8502D33G	SOIC-8	3.3	0.15	N/A	26	1.53	1.28	1.02	.92
863-NCV8502PDW33G	NCV8502PDW33G	SOIC-16W EPAD	3.3	0.15	N/A	26	1.71	1.43	1.14	1.03
863-NCV8503PW33G	NCV8503PW33G	SOIC-16W EPAD	3.3	0.4	N/A	26	1.83	1.53	1.22	1.10
863-NCV8504PW33G	NCV8504PW33G	SOIC-16W EPAD	3.3	0.4	N/A	26	1.80	1.50	1.20	1.08
863-NCP630GD2TG	NCP630GD2TG	D2PAK	3.47	3	1.25	12	1.50	1.25	1.00	.90
863-LM2931AT-5.0G	LM2931AT-5.0G	TO-220	5	0.1	0.16	40	1.15	.96	.76	.69
863-LP2950CDT-5.0G	LP2950CDT-5.0G	DPAK	5	0.1	0.35	30	.73	.61	.49	.44
863-MC33269D-5.0G	MC33269D-5.0G	SOIC-8	5	0.8	1.1	20	.69	.58	.46	.42
863-NCV4269D2G	NCV4269D2G	SO-14	5	0.15	0.25	45	1.29	1.08	.86	.77
863-NCV4269DWG	NCV4269DWG	SO-20L	5	0.15	0.25	45	1.68	1.40	1.12	1.01
863-NCV4275DSG	NCV4275DSG	D2PAK5	5	0.45	0.25	45	1.77	1.48	1.18	1.06
863-NCV4279D1G	NCV4279D1G	SOIC-8	5	0.15	0.25	45	1.14	.95	.76	.68
863-NCV4279D1G	NCV4279D1G	SOIC-8	5	0.15	0.25	45	1.14	.95	.76	.68
863-NCV4279D2G	NCV4279D2G	SO-14	5	0.15	0.25	45	1.20	1.00	.80	.72
863-NCV4279D2G	NCV4279D2G	SO-14	5	0.15	0.25	45	1.20	1.00	.80	.72
863-NCV8141D2TG	NCV8141D2TG	D2PAK	5	0.5	1.25	60	5.49	4.58	3.66	3.29
863-NCV8141D2TG	NCV8141D2TG	D2PAK	5	0.5	1.25	60	5.49	4.58	3.66	3.29
863-NCV8501D50G	NCV8501D50G	SOIC-8	5	0.15	0.4	26	1.56	1.30	1.04	.94
863-NCV8501PDW50G	NCV8501PDW50G	SOIC-16W EPAD	5	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8502D50G	NCV8502D50G	SOIC-8	5	0.15	0.4	26	1.53	1.28	1.02	.92
863-NCV8502PDW50G	NCV8502PDW50G	SOIC-16W EPAD	5	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8503PW50G	NCV8503PW50G	SOIC-16W EPAD	5	0.4	0.4	26	1.83	1.53	1.22	1.10
863-NCV8504PW50G	NCV8504PW50G	SOIC-16W EPAD	5	0.4	0.4	26	1.80	1.50	1.20	1.08
863-NCV8505D2T50G	NCV8505D2T50G	D2PAK7	5	0.4	0.4	26	2.55	2.13	1.70	1.53
863-NCV8508DW50G	NCV8508DW50G	SOIC-16W	5	0.25	0.45	45	1.86	1.55	1.24	1.12
863-NCV8508PD50G	NCV8508PD50G	SO-8 EP	5	0.25	0.45	45	1.62	1.35	1.08	.97
863-NCV8501D80G	NCV8501D80G	SOIC-8	8	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8501PDW80G	NCV8501PDW80G	SOIC-16W EPAD	8	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8502D80G	NCV8502D80G	SOIC-8	8	0.15	0.4	26	1.53	1.28	1.02	.92
863-NCV8502PDW80G	NCV8502PDW80G	SOIC-16W EPAD	8	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8501D100G	NCV8501D100G	SOIC-8	10	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8501PDW100G	NCV8501PDW100G	SOIC-16W EPAD	10	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8502D100G	NCV8502D100G	SOIC-8	10	0.15	0.4	26	1.53	1.28	1.02	.92
863-NCV8502PDW100G	NCV8502PDW100G	SOIC-16W EPAD	10	0.15	0.4	26	1.71	1.43	1.14	1.03
863-MC33565DG	MC33565DG	SOIC-8	5 or 3.3	0.2	2.3	7	1.14	.95	.76	.68
863-LP2951ACDG	LP2951ACDG	SOIC-8	5 or adj.	0.1	0.35	30	.66	.55	.44	.39
863-NCP565D2TG	NCP565D2TG	D2PAK	Adjustable	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCP565D2TG	NCP565D2TG	D2PAK	Adjustable	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCP565D2TR4G	NCP565D2TR4G	D2PAK	Adjustable	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCP565D2TR4G	NCP565D2TR4G	D2PAK	Adjustable	1.5	0.9	9	1.59	1.33	1.06	.95
863-NCP630AD2TG	NCP630AD2TG	D2PAK	Adjustable	3	1.25	12	1.50	1.25	1.00	.90
863-NCV8501DADJG	NCV8501DADJG	SOIC-8	Adjustable	0.15	0.4	26	1.56	1.30	1.04	.94
863-NCV8501PDWADJG	NCV8501PDWADJG	SOIC-16W EPAD	Adjustable	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8502DADJG	NCV8502DADJG	SOIC-8	Adjustable	0.15	0.4	26	1.53	1.28	1.02	.92
863-NCV8502PDWADJG	NCV8502PDWADJG	SOIC-16W EPAD	Adjustable	0.15	0.4	26	1.71	1.43	1.14	1.03
863-NCV8503PWADJG	NCV8503PWADJG	SOIC-16W EPAD	Adjustable	0.4	0.4	26	1.83	1.53	1.22	1.10
863-NCV8504PWADJG	NCV8504PWADJG	SOIC-16W EPAD	Adjustable	0.4	0.4	26	1.80	1.50	1.20	1.08
863-NCV8184DG	NCV8184DG	SOIC-8	Trkg (+)/- 0.005	0.07	0.35	26	1.35	1.13	.90	.81
863-NCV8184DG	NCV8184DG	SOIC-8	Trkg (+)/- 0.005	0.07	0.35	26	1.35	1.13	.90	.81
Positive Polarity, Multiple Output										
863-NCV8509PDW18G	NCV8509PDW18G	SOIC-16W	1.8	0.1	0.6	50	4.32	3.60	2.88	2.59
863-NCV8509PDW18G	NCV8509PDW18G	SOIC-16W	1.8	0.1	0.6	50	4.32	3.60	2.88	2.59
863-NCV8509PDW25G	NCV8509PDW25G	SOIC-16W	2.5	0.1	0.6	50	4.32	3.60	2.88	2.59
863-NCV8509PDW25G	NCV8509PDW25G	SOIC-16W	2.5	0.1	0.6	50	4.32	3.60	2.88	2.59
863-NCV8509PDW26G	NCV8509PDW26G	SOIC-16W	2.6	0.1	0.6	50	4.32	3.60	2.88	2.59
863-NCV8509PDW26G	NCV8509PDW26G	SOIC-16W	2.6	0.1	0.6	50	4.32	3.60	2.88	2.59

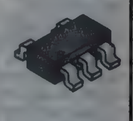
SOIC-8


DPAK

D2PAK

DFN 6

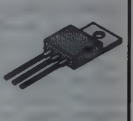
SOT-223

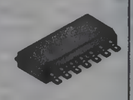

SOT-23

SOIC-16W EPAD

SOIC-16

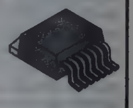
TO-92

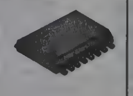

TO-220


SO-14

SO-20L

D2PAK5


D2PAK7

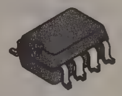

SOIC-16W

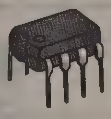
SO-8 EP

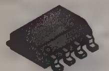
ON SEMICONDUCTOR Power Management

RoHS Compliant This page of product is compliant.

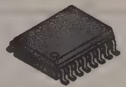
PDIP-7

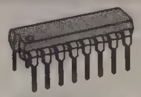

PDIP-7 GW


PDIP-8


SOIC-8

TO-220


SOIC-16W


PDIP-16

OFF-LINE REGULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VO Typ. (V)	IO Typ. (A)	VDO Typ. (V)	Price Each			
						1	25	100	500
Current Mode									
863-NCP1010AP065G	NCP1010AP065G	PDIP-7	10	700	0.1	1.14	.95	.76	.69
863-NCP1010AP100G	NCP1010AP100G	PDIP-7	10	700	0.1	1.14	.95	.76	.69
863-NCP1010AP130G	NCP1010AP130G	PDIP-7	10	700	0.1	1.14	.95	.76	.69
863-NCP1011AP065G	NCP1011AP065G	PDIP-7	10	700	0.25	1.14	.95	.76	.69
863-NCP1011AP100G	NCP1011AP100G	PDIP-7	10	700	0.25	1.14	.95	.76	.69
863-NCP1011AP130G	NCP1011AP130G	PDIP-7	10	700	0.25	1.14	.95	.76	.69
863-NCP1011APL065R2G	NCP1011APL065R2G	PDIP-7 GW	10	700	0.25	1.22	1.02	.81	.73
863-NCP1011APL130R2G	NCP1011APL130R2G	PDIP-7 GW	10	700	0.25	1.22	1.02	.81	.73
863-NCP1012AP065G	NCP1012AP065G	PDIP-7	10	700	0.25	1.22	1.02	.81	.73
863-NCP1012AP100G	NCP1012AP100G	PDIP-7	10	700	0.25	1.22	1.02	.81	.73
863-NCP1012AP133G	NCP1012AP133G	PDIP-7	10	700	0.25	1.22	1.02	.81	.73
863-NCP1012APL130R2G	NCP1012APL130R2G	PDIP-7 GW	10	700	0.25	1.31	1.09	.87	.78
863-NCP1013AP065G	NCP1013AP065G	PDIP-7	10	700	-	1.22	1.02	.81	.73
863-NCP1013AP100G	NCP1013AP100G	PDIP-7	10	-	-	1.22	1.02	.81	.73
863-NCP1013AP133G	NCP1013AP133G	PDIP-7	10	-	0.35	1.22	1.02	.81	.73
863-NCP1014AP065G	NCP1014AP065G	PDIP-7	10	700	0.45	1.22	1.02	.81	.73
863-NCP1014AP100G	NCP1014AP100G	PDIP-7	10	700	0.45	1.22	1.02	.81	.73
863-NCP1014APL100R2G	NCP1014APL100R2G	PDIP-7 GW	10	700	0.45	1.31	1.09	.87	.78
Voltage Mode									
863-NCP1001PG	NCP1001PG	PDIP-8	10	-	1	1.53	1.28	1.02	.92
863-NCP1002PG	NCP1002PG	PDIP-8	10	-	1.5	1.76	1.46	1.17	1.05

REGULATOR ICs

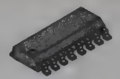
For quantities of 1000 and up, call for quote.

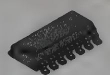
MOUSER STOCK NO.	ON Semi Part No.	Package	VCC		VO Typ. (V)	IO Typ. (A)	Efficiency (%)	fSW Typ. (kHz)	Topology	Mode	Price Each			
			Min. (V)	Max. (V)							1	25	100	500
863-CS5171ED8G	CS5171ED8G	SOIC-8	2.7	30	- - -	1.5	- - -	Up to 500	- - -	Current Mode	2.16	1.80	1.44	1.30
863-CS5171GD8G	CS5171GD8G	SOIC-8	2.7	30	- - -	1.5	- - -	Up to 500	- - -	Current Mode	2.10	1.75	1.40	1.26
863-CS5172ED8G	CS5172ED8G	SOIC-8	2.7	30	- - -	1.5	- - -	Up to 500	- - -	Current Mode	2.16	1.80	1.44	1.30
863-CS5172GD8G	CS5172GD8G	SOIC-8	2.7	30	- - -	1.5	- - -	Up to 500	- - -	Current Mode	2.10	1.75	1.40	1.26
863-CS5173ED8G	CS5173ED8G	SOIC-8	2.7	30	- - -	1.5	- - -	Up to 1000	- - -	Current Mode	2.16	1.80	1.44	1.30
863-CS5173GD8G	CS5173GD8G	SOIC-8	2.7	30	- - -	1.5	- - -	Up to 1000	- - -	Current Mode	2.10	1.75	1.40	1.26
863-CS5174ED8G	CS5174ED8G	SOIC-8	2.7	30	- - -	1.5	- - -	Up to 1000	- - -	Current Mode	2.16	1.80	1.44	1.30
863-CS5174GD8G	CS5174GD8G	SOIC-8	2.7	30	- - -	1.5	- - -	Up to 1000	- - -	Current Mode	2.10	1.75	1.40	1.26
863-CS51411ED8G	CS51411ED8G	SOIC-8	4.5	40	- - -	1.5	- - -	260	Buck	V^2	2.82	2.35	1.88	1.69
863-CS51411GD8G	CS51411GD8G	SOIC-8	4.5	40	- - -	1.5	- - -	260	Buck	V^2	2.73	2.28	1.82	1.64
863-CS51412ED8G	CS51412ED8G	SOIC-8	4.5	40	- - -	1.5	- - -	260	Buck	V^2	2.82	2.35	1.88	1.69
863-CS51412GD8G	CS51412GD8G	SOIC-8	4.5	40	- - -	1.5	- - -	260	Buck	V^2	2.73	2.28	1.82	1.64
863-CS51413ED8G	CS51413ED8G	SOIC-8	4.5	40	- - -	1.5	- - -	520	Buck	V^2	2.82	2.35	1.88	1.69
863-CS51413GD8G	CS51413GD8G	SOIC-8	4.5	40	- - -	1.5	- - -	520	Buck	V^2	2.73	2.28	1.82	1.64
863-CS51414ED8G	CS51414ED8G	SOIC-8	4.5	40	- - -	1.5	- - -	520	Buck	V^2	2.82	2.35	1.88	1.69
863-CS51414GD8G	CS51414GD8G	SOIC-8	4.5	40	- - -	1.5	- - -	520	Buck	V^2	2.73	2.28	1.82	1.64
863-LM2574N-005G	LM2574N-005G	PDIP-8	12	40	5	0.5	77	- - -	Step-Down	- - -	2.61	2.18	1.96	1.65
863-LM2574N-3.3G	LM2574N-3.3G	PDIP-8	12	40	3.3	0.5	77	- - -	Step-Down	- - -	1.68	1.41	1.12	1.01
863-LM2575T-ADJG	LM2575T-ADJG	TO-220	12	40	1.23 to 37	1	77	- - -	Step-Down	- - -	2.40	1.99	1.65	1.39
863-LM2576T-005G	LM2576T-005G	TO-220	12	40	5	3	77	- - -	Step-Down	- - -	2.49	2.14	1.66	1.36
863-LM2576T-ADJG	LM2576T-ADJG	TO-220	12	40	1.23 to 37	3	77	- - -	Step-Down	- - -	2.49	2.14	1.66	1.36
863-LM2576TV-ADJG	LM2576TV-ADJG	TO-220	12	40	1.23 to 37	3	77	- - -	Step-Down	- - -	2.88	2.40	1.92	1.73
863-MC33063ADG	MC33063ADG	SOIC-8	3	40	1.25 to 40	1.5	- - -	100	Step-Up/Step-Down	Voltage Mode	.82	.69	.55	.50
863-MC33063AP1G	MC33063AP1G	PDIP-8	3	40	1.25 to 40	1.5	- - -	100	Step-Up/Step-Down	Voltage Mode	.82	.69	.55	.50
863-MC33063AVDG	MC33063AVDG	SOIC-8	3	40	1.25 to 40	1.5	- - -	100	Step-Up/Step-Down	Voltage Mode	1.07	.89	.71	.64
863-MC33163DWG	MC33163DWG	SOIC-16W	2.5	40	1.25 to 40	3.4	- - -	- - -	Step-Up/Step-Down	Voltage Mode	3.66	3.05	2.44	2.20
863-MC33163PG	MC33163PG	PDIP-16	2.5	40	1.25 to 40	3.4	- - -	- - -	Step-Up/Step-Down	Voltage Mode	3.66	3.05	2.44	2.20
863-MC33166TG	MC33166TG	TO-220	7.5	40	1.5 to 40	3	- - -	- - -	Step-Up/Step-Down	Voltage Mode	2.88	2.40	1.92	1.73
863-MC33166THG	MC33166THG	TO-220	7.5	40	1.5 to 40	3	- - -	- - -	Step-Up/Step-Down	Voltage Mode	2.88	2.40	1.92	1.73
863-MC33167TG	MC33167TG	TO-220	7.5	40	2.0 to 40	5	- - -	- - -	Step-Up/Step-Down	Voltage Mode	3.56	3.05	2.37	1.94
863-MC34063ADG	MC34063ADG	SOIC-8	3	40	1.25 to 40	1.5	- - -	100	Step-Up/Step-Down	Voltage Mode	.61	.50	.45	.38
863-MC34063AP1G	MC34063AP1G	PDIP-8	3	40	1.25 to 40	1.5	- - -	100	Step-Up/Step-Down	Voltage Mode	.70	.58	.52	.44
863-MC34163DWG	MC34163DWG	SOIC-16W	2.5	40	1.25 to 40	3.4	- - -	- - -	Step-Up/Step-Down	Voltage Mode	3.60	3.00	2.40	2.16
863-MC34163PG	MC34163PG	PDIP-16	2.5	40	1.25 to 40	3.4	- - -	- - -	Step-Up/Step-Down	Voltage Mode	3.60	3.00	2.40	2.16
863-MC34166TG	MC34166TG	TO-220	7.5	40	1.5 to 40	3	- - -	- - -	Step-Up/Step-Down	Voltage Mode	2.85	2.37	1.90	1.71
863-MC34166THG	MC34166THG	TO-220	7.5	40	1.5 to 40	3	- - -	- - -	Step-Up/Step-Down	Voltage Mode	2.85	2.37	1.90	1.71
863-MC34166TVG	MC34166TVG	TO-220	7.5	40	1.5 to 40	3	- - -	- - -	Step-Up/Step-Down	Voltage Mode	2.99	2.49	1.99	1.79
863-MC34167TG	MC34167TG	TO-220	7.5	40	2.0 to 40	5	- - -	- - -	Step-Up/Step-Down	Voltage Mode	3.20	2.75	2.14	1.75
863-MC34167TVG	MC34167TVG	TO-220	7.5	40	2.0 to 40	5	- - -	- - -	Step-Up/Step-Down	Voltage Mode	3.33	2.85	2.22	1.82

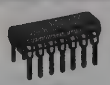
ON SEMICONDUCTOR Power Management

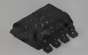
ON Semiconductor®

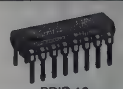
RoHS Compliant **This page of product is compliant.**

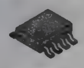

SOIC-16

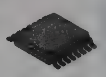

SOIC-14


PDIP-14

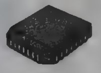

SOIC-8


PDIP-16


TSSOP-8


TSSOP-16

SOIC-16


PLCC-28

PDIP-8

INTERFACE DATA TRANSMISSION

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VCC		tPLH Typ. (µS)	No. of Drivers	No. of Receivers	IC Max. (mA)	IO Max. (µA)	IIH Max. (mA)	PC Max. (mW)	Price Each			
			Min. (V)	Max. (V)								1	25	100	500
863-MC26LS30DG	MC26LS30DG	SOIC-16	4.75	5.25	0.01	2/4	- - -	- - -	Self Limiting	- - -	- - -	1.31	1.04	.94	.84
863-MC1489DG	MC1489DG	SOIC-14	2.5	10	0.085	- - -	4	- - -	4000	8.3	130	.30	.24	.21	.19
863-MC1489PG	MC1489PG	PDIP-14	2.5	10	0.085	- - -	4	- - -	4000	8.3	130	.42	.33	.30	.26
863-MC1488DG	MC1488DG	SOIC-14	9	15	0.275	4	- - -	- - -	12000	0.01	570	.30	.24	.21	.19
863-MC1488PG	MC1488PG	PDIP-14	9	15	0.275	4	- - -	- - -	12000	0.01	570	.42	.33	.30	.26
863-NCV7356D1G	NCV7356D1G	SOIC-8	- - -	18	6.3	1	1	75	350000	0.05	- - -	1.88	1.50	1.35	1.20
863-MC1413BDG	MC1413BDG	SOIC-16	- - -	- - -	1	7	- - -	500	50	- - -	- - -	.39	.31	.28	.24
863-MC1413BPG	MC1413BPG	PDIP-16	- - -	- - -	1	7	- - -	500	50	- - -	- - -	.42	.33	.30	.27
863-MC1413DG	MC1413DG	SOIC-16	- - -	- - -	1	7	- - -	500	50	- - -	- - -	.33	.26	.24	.21
863-MC1413PG	MC1413PG	PDIP-16	- - -	- - -	1	7	- - -	500	50	- - -	- - -	.36	.28	.26	.23

INTERFACE MODULATORS / DEMODULATORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	TA Min. (°C)	zis Typ. (kΩ)	zos Typ. (kΩ)	VCFT Typ. (µV)	VCS Typ. (mV)	AVS Typ. (mV)	B Typ. (MHz)	IIB Typ. (µA)	ACM Typ. (dB)	Price Each			
												1	25	100	500
863-MC1496DG	MC1496DG	SOIC-14	0	200	40	20	65	3.5	300	12	85	.62	.50	.45	.40
863-MC1496PG	MC1496PG	PDIP-14	0	200	40	20	65	3.5	300	12	85	.62	.50	.45	.40

CLOCK SYNTHESIS ICs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	TA Min. (°C)	VCC		tLOCK Max. (ms)	tJitter Typ. (ps)	tsu Min. (ns)	th Min. (ns)	tR & tF Min. (ps)	Max. (ps)	Price Each			
				Min. (MHz)	Max. (MHz)							1	25	100	500
863-NB3N3001DTG	NB3N3001DTG	TSSOP 8	-	3.135	3.465	-	0.3	-	-	275	600	7.29	6.08	5.47	4.62
863-NB3N3011DTG	NB3N3011DTG	TSSOP 8	-	3.135	3.465	-	0.29	-	-	275	600	7.29	6.08	5.47	4.62
863-NB3N508SDTG	NB3N508SDTG	TSSOP-16	-	-	-	-	-	-	-	-	500	2.40	2.00	1.80	1.52
863-NB4N507ADG	NB4N507ADG	SOIC-16	3.3 / 5.0	- - -	200	- - -	10	- - -	- - -	50	- - -	3.00	2.70	2.40	2.10
863-NBC12429FNG	NBC12429FNG	PLCC-28	3.3 / 5.0	25	400	10	20	20	20	175	425	15.45	12.88	11.59	9.79
863-NBC12430FNG	NBC12430FNG	PLCC-28	3.3 / 5.0	50	800	10	20	20	20	175	425	15.45	12.88	11.59	9.79
863-NBC12439FNG	NBC12439FNG	PLCC-28	3.3 / 5.0	50	800	10	20	20	20	175	425	15.45	12.88	11.59	9.79

OFF-LINE CONTROLLERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VCC		VO Max. (V)	IO Max. (A)	VIT Typ. (V)	Price Each			
			Min. (V)	Max. (V)				1	25	100	500
Current Mode											
863-NCP1200P100G	NCP1200P100G	PDIP-8	-	16	-	0.11	-	1.01	.84	.67	.60
863-NCP1200P40G	NCP1200P40G	PDIP-8	-	16	-	0.11	-	1.01	.84	.67	.60
863-NCP1200P60G	NCP1200P60G	PDIP-8	-	16	-	0.11	-	1.01	.84	.67	.60
863-NCP1203P100G	NCP1203P100G	PDIP-8	-	16	-	0.25	12.8	1.05	.88	.70	.63
863-NCP1203P40G	NCP1203P40G	PDIP-8	-	16	-	0.25	12.8	1.05	.88	.70	.63
863-NCP1203P60G	NCP1203P60G	PDIP-8	-	16	-	0.25	12.8	1.05	.88	.70	.63
863-NCP1216AP100G	NCP1216AP100G	PDIP-7	-	16	-	0.5	-	1.89	1.58	1.26	1.13
863-NCP1216AP133G	NCP1216AP133G	PDIP-7	-	16	-	0.5	-	1.89	1.58	1.26	1.13
863-NCP1216AP65G	NCP1216AP65G	PDIP-7	-	16	-	0.5	-	1.89	1.58	1.26	1.13
863-NCP1216P100G	NCP1216P100G	PDIP-7	-	16	-	0.5	-	1.89	1.58	1.26	1.13
863-NCP1216P133G	NCP1216P133G	PDIP-7	-	16	-	0.5	-	1.89	1.58	1.26	1.13
863-NCP1216P65G	NCP1216P65G	PDIP-7	-	16	-	0.5	-	1.89	1.58	1.26	1.13
863-NCP1216AP100G	NCP1216AP100G	PDIP-7	-	16	100	-	-	1.89	1.58	1.26	1.13
863-NCP1216AP133G	NCP1216AP133G	PDIP-7	-	16	133	-	-	1.89	1.58	1.26	1.13
863-NCP1216AP65G	NCP1216AP65G	PDIP-7	-	16	65	-	-	1.89	1.58	1.26	1.13
863-NCP1230P100G	NCP1230P100G	PDIP-7	-	18	17.5	0.5	-	2.49	2.08	1.66	1.49
863-NCP1230P133G	NCP1230P133G	PDIP-7	-	18	17.5	0.5	-	2.49	2.08	1.66	1.49
863-NCP1230P65G	NCP1230P65G	PDIP-7	-	18	17.5	0.5	-	2.49	2.08	1.66	1.49
863-CS5124XD8G	CS5124XD8G	SOIC-8	7.6	20	20	-	7.7	3.51	2.93	2.34	2.11
863-NCP1212PG	NCP1212PG	PDIP-8	10	25	-	1	15	2.34	1.95	1.56	1.40
863-NCP1271D100R2G	NCP1271D100R2G	SOIC-8	-	20	-	-	-	2.16	1.80	1.62	1.37
863-NCP1271D65R2G	NCP1271D65R2G	SOIC-8	-	20	-	-	-	2.16	1.80	1.62	1.37
863-UC2842ANG	UC2842ANG	PDIP-8	10	30	13.5	-	16	1.20	1.00	.80	.72
863-UC2844NG	UC2844BNG	PDIP-8	10	30	13.5	-	16	1.20	1.00	.80	.72
863-UC3842ANG	UC3842ANG	PDIP-8	10	30	13.5	-	16	1.08	.90	.72	.65
863-UC3843ANG	UC3843ANG	PDIP-8	7.6	30	13.5	-	8.4	1.08	.90	.72	.65
863-UC3843BNG	UC3843BNG	PDIP-8	-	-	-	-	-	1.08	.90	.72	.65
863-UC3843BVD1G	UC3843BVD1G	SOIC-8	7.6	30	13.5	-	8.4	1.29	1.08	.86	.77
863-UC3844NG	UC3844NG	PDIP-8	10	30	13.5	-	16	1.08	.90	.72	.65
863-UC3845BVNG	UC3845BVNG	PDIP-8	7.6	30	13.5	-	8.4	1.29	1.08	.86	.77
863-CS2841BEBN8G	CS2841BEBN8G	PDIP-8	7.4	40	13.5	1	8	1.23	1.03	.82	.74

RoHS Compliant This page of product is compliant.

OFF-LINE CONTROLLERS (CONT.)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VCC		VO Max. (V)	IO Max. (A)	VIT Typ. (V)	Price Each			
			Min. (V)	Max. (V)				1	25	100	500
Current Mode (cont.)											
863-NCP1217AP100G	NCP1217AP100G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
863-NCP1217AP133G	NCP1217AP133G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
863-NCP1217AP65G	NCP1217AP65G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
863-NCP1217P100G	NCP1217P100G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
863-NCP1217P133G	NCP1217P133G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
863-NCP1217P65G	NCP1217P65G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
863-NCP1217AP100G	NCP1217AP100G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
863-NCP1217AP133G	NCP1217AP133G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
863-NCP1217AP65G	NCP1217AP65G	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
Current Mode, Quasi Resonant											
863-NCP1205P2G	NCP1205P2G	PDIP-14	-	30	13	-	15	2.73	2.28	1.82	1.64
863-NCP1205PG	NCP1205PG	PDIP-8	-	30	13	-	15	2.73	2.28	1.82	1.64
863-NCP1207APG	NCP1207APG	PDIP-8	-	16	16	-	-	1.74	1.45	1.16	1.04
863-NCP1378PG	NCP1378PG	PDIP-7	-	16	-	-	-	1.89	1.58	1.26	1.13
Current/Voltage Mode											
863-MC33023DWG	MC33023DWG	SOIC-16W	9.2	30	13.5	0.5	9.2	4.56	3.80	3.04	2.74
863-MC33025DWG	MC33025DWG	SOIC-16W	9.2	30	13.5	0.5	9.2	5.46	4.55	3.64	3.28
863-MC33025PG	MC33025PG	PDIP-16	9.2	30	13.5	0.5	9.2	5.46	4.55	3.64	3.28
863-MC34025PG	MC34025PG	PDIP-16	9.2	20	13.5	0.5	9.2	5.10	4.25	3.40	3.06
Resonant											
863-MC33067PG	MC33067PG	PDIP-16	9	20	10.3	0.3	16	4.05	3.38	2.70	2.43
863-MC34067DWG	MC34067DWG	SOIC-16W	9	20	10.3	0.3	16	3.99	3.33	2.66	2.39
Voltage Mode											
863-MC34060APG	MC34060APG	PDIP-14	7	42	30	0.5	4.7	1.25	1.04	.83	.75
863-NCP1562ADBR2G	NCP1562ADBR2G	TSSOP-16	-	20	-	-	-	4.80	4.00	3.60	3.04
863-NCP1562ADR2G	NCP1562ADR2G	SOIC-16	-	20	-	-	-	4.80	4.00	3.60	3.04
863-NCP1562BDBR2G	NCP1562BDBR2G	TSSOP-16	-	20	-	-	-	4.80	4.00	3.60	3.04
863-NCP1562BDR2G	NCP1562BDR2G	SOIC-16	-	20	-	-	-	4.80	4.00	3.60	3.04

POWER FACTOR CORRECTION

RoHS Compliant

For quantities of 1000 and up, call for quote.

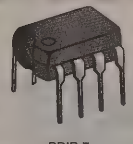
MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VCC Max. (V)	PD Max. (W)	IO Max. (A)	Vref Max. (V)	Restart Max. (V)	Price Each			
								1	25	100	500
Follower Boost											
863-MC33260DG	MC33260DG	SOIC-8	16	0.6	0.6	-	No	1.92	1.60	1.28	1.15
863-MC33260PG	MC33260PG	PDIP-8	16	0.6	0.6	-	No	2.34	1.95	1.56	1.40
Critical Conduction											
863-MC33262DG	MC33262DG	SOIC-8	36	0.45	0.5	2.5	Yes	.99	.85	.66	.54
863-MC33262PG	MC33262PG	PDIP-8	36	0.8	0.5	2.5	Yes	.99	.85	.66	.47
863-MC34262PG	MC34262PG	PDIP-8	36	0.8	0.5	2.5	Yes	.94	.81	.63	.51
Voltage Mode											
863-NCP1601APG	NCP1601APG	PDIP-8	15	0.8	0.1	-	-	2.16	1.80	1.44	1.30
863-NCP1601BPG	NCP1601BPG	PDIP-8	15	0.8	0.1	-	-	2.16	1.80	1.44	1.30
Average Current Mode, CCM											
863-NCP1653APG	NCP1653APG	PDIP-8	18	0.45	0.5	-	-	3.60	3.00	2.40	2.16
863-NCP1653PG	NCP1653PG	PDIP-8	18	0.8	0.5	-	-	3.60	3.00	2.40	2.16

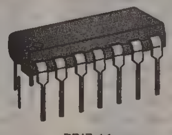
VOLTAGE REFERENCE

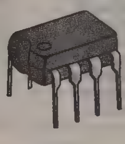
RoHS Compliant

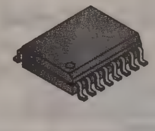
For quantities of 1000 and up, call for quote.

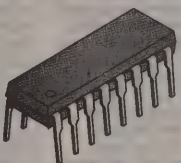
MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) Typ. (V)	TA Min. (°C)	TA Max. (°C)	Toler. (%)	IQ Typ. (mA)	IR Min. (mA)	VF Max. (v)	Price Each			
										1	25	100	500
Fixed													
863-LM285D-1.2G	LM285D-1.2G	SOIC-8	1.235	-40	85	1	-	0.01	-	.57	.47	.38	.34
863-LM285D-1.2R2G	LM285D-1.2R2G	SOIC-8	1.235	-40	85	1	-	0.01	-	1.26	1.05	.84	.76
863-LM285Z-1.2G	LM285Z-1.2G	TO-92	1.235	-40	85	1	-	0.01	-	.57	.47	.38	.34
863-LM385BD-1.2G	LM385BD-1.2G	SOIC-8	1.235	0	70	1	-	0.015	-	.53	.45	.36	.32
863-LM385D-1.2G	LM385D-1.2G	SOIC-8	1.235	0	70	2	-	0.015	-	.53	.45	.36	.32
863-LM285D-2.5G	LM285D-2.5G	SOIC-8	2.5	-40	85	1.5	-	0.01	-	.57	.47	.38	.34
863-LM285Z-2.5G	LM285Z-2.5G	TO-92	2.5	-40	85	1.5	-	0.01	-	.57	.47	.38	.34
863-LM385BD-2.5G	LM385BD-2.5G	SOIC-8	2.5	0	70	1.5	-	0.015	-	.53	.45	.36	.32
863-LM385D-2.5G	LM385D-2.5G	SOIC-8	2.5	0	70	3	-	0.015	-	.53	.45	.36	.32
863-LM385Z-2.5G	LM385Z-2.5G	TO-92	2.5	0	70	3	-	0.015	-	.78	.65	.52	.47
863-MC1403BDG	MC1403BDG	SOIC-8	2.5	-40	85	1	1.2	-	40	.96	.81	.64	.58
863-MC1403DG	MC1403DG	SOIC-8	2.5	0	70	1	1.2	-	40	.89	.75	.59	.53
863-MC1403P1G	MC1403P1G	PDIP-8	2.5	0	70	1	1.2	-	40	.93	.78	.62	.55
863-NCV1009DG	NCV1009DG	SOIC-8	2.5	-40	125	0.2	-	0.4	-	1.65	1.38	1.10	.99
863-NCP4300ADG	NCP4300ADG	SOIC-8	2.6	0	105	1	-	0.08	36	.53	.45	.36	.32
863-NCV431BVDMR2G	NCV431BVDMR2G	Micro8"	2.495	-40	125	0.4	-	1	-	.76	.63	.57	.48

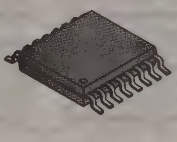

PDIP-7

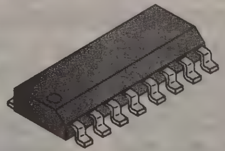

PDIP-14

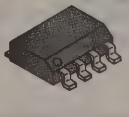

PDIP-8

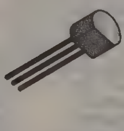

SOIC-16W

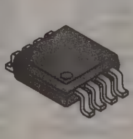

PDIP-16


TSSOP-16


SOIC-16


SOIC-8


TO-92


"Micro8"

RoHS Compliant This page of product is compliant.

VOLTAGE REFERENCE (CONT.)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) Typ. (V)	TA Min. (°C)	TA Max. (°C)	Toler. (%)	IQ Typ. (mA)	IR Min. (mA)	VF Max. (v)	Price Each			
										1	25	100	500
Adjustable 2.495 to 36V													
863-TL431ACDR2G	TL431ACDR2G	SOIC-8	2.495	0	70	1	-	1	36	.25	.21	.17	.15
863-TL431ACLPRAG	TL431ACLPRAG	TO-92	2.495	0	70	1	-	1	36	.26	.22	.17	.16
863-TL431AILPRPG	TL431AILPRPG	TO-92	2.495	-40	85	1	-	1	36	.26	.21	.17	.15
863-TL431BILPRAG	TL431BILPRAG	TO-92	2.495	-40	85	0.4	-	1	36	.43	.36	.29	.26
863-TL431CDR2G	TL431CDR2G	SOIC-8	2.495	0	70	2.2	-	1	36	.22	.18	.14	.13
863-TL431CLPG	TL431CLPG	TO-92	2.495	0	70	2.2	-	1	36	.39	.30	.24	.18
863-TL431ILPG	TL431ILPG	TO-92	2.495	-40	85	2.2	-	1	36	.27	.22	.18	.16
863-TL431ACDG	TL431ACDG	SOIC-8	2.495	0	70	1	-	1	36	.25	.21	.17	.15
863-TL431ACPG	TL431ACPG	PDIP-8	2.495	0	70	1	-	1	36	.35	.29	.23	.21
863-TL431AIDG	TL431AIDG	SOIC-8	2.495	-40	85	1	-	1	36	.28	.23	.19	.17
863-TL431AIPG	TL431AIPG	PDIP-8	2.495	-40	85	1	-	1	36	.37	.31	.25	.22
863-TL431BCDG	TL431BCDG	SOIC-8	2.495	0	70	0.4	-	1	36	.36	.30	.24	.21
863-TL431BIDG	TL431BIDG	SOIC-8	2.495	-40	85	0.4	-	1	36	.43	.36	.29	.26
863-TL431BIPG	TL431BIPG	PDIP-8	2.495	-40	85	0.4	-	1	36	.43	.36	.29	.26
863-TL431BVDG	TL431BVDG	SOIC-8	2.495	-40	85	0.4	-	1	36	.50	.41	.33	.30
863-TL431CDG	TL431CDG	SOIC-8	2.495	0	70	2.2	-	1	36	.22	.18	.14	.13
863-TL431IPG	TL431IPG	PDIP-8	2.495	-40	85	2.2	-	1	36	.35	.29	.23	.21

DC-DC SWITCHING

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VCC (V)		fSW Typ. (kHz)	Mode	Price Each			
			Min.	Max.			1	25	100	500
Controllers										
863-NCP5201MNG	NCP5201MNG	DFN-18	-0.3	6	275	-	5.40	4.50	3.60	3.24
863-NCP5381AMNR2G	NCP5381AMNR2G	QFN-40	10.8	13.2	-	-	2.85	2.38	2.14	1.81
863-NCP5385MNR2G	NCP5385MNR2G	QFN-40	10.8	13.2	100-1000	-	2.85	2.38	2.14	1.81
863-NCP1523BFCT2G	NCP1523BFCT2G	Flip Chip 8	2.4	5.5	3000	-	2.25	1.88	1.69	1.43
863-CS5211ED14G	CS5211ED14G	SOIC-14	4.5	14	750	-	2.55	2.13	1.70	1.53
863-CS5211GD14G	CS5211GD14G	SOIC-14	4.5	14	750	V2	2.49	2.08	1.66	1.49
863-CS51031GD8G	CS51031GD8G	SOIC-8	4.5	16	200	-	2.40	2.00	1.60	1.44
863-NCP5425DBG	NCP5425DBG	TSSOP-20	4.75	13.2	750	V2	3.00	2.50	2.00	1.80
863-NCP5425DBG	NCP5425DBG	TSSOP-20	4.75	13.2	750	V2	3.00	2.50	2.00	1.80
863-NCP5424DG	NCP5424DG	SOIC-16	10.8	13.2	600	V2	2.85	2.38	1.90	1.71
863-NCP5220AMNR2G	NCP5220AMNR2G	DFN-20	4.5	13.2	250	V	3.60	3.00	2.70	2.28
863-NCP5381AMNR2G	NCP5381AMNR2G	QFN-40	10.8	13.2	-	-	2.85	2.38	2.14	1.81
863-NCP5385MNR2G	NCP5385MNR2G	QFN-40	10.8	13.2	100-1000	-	2.85	2.38	2.14	1.81
Converters										
863-MC34063ADR2G	MC34063ADR2G	SOIC-8	40	3	100	Voltage Mode	.61	.50	.45	.38
863-NCV5171EDR2G	NCV5171EDR2G	SOIC-8	30	2.7		Current Mode	3.12	2.60	2.34	1.98
863-CS51414EDR8G	CS51414EDR8G	SOIC-8	40	4.5	X520	V2	2.82	2.35	1.88	1.69
863-CS5173EDR8G	CS5173EDR8G	SOIC-8	30	2.7	Up to 1000	Current Mode	2.16	1.80	1.44	1.10
863-NCV8842MNR2G	NCV8842MNR2G	DFN-18	40	4.5	Up to 200	V2	4.32	3.60	3.24	2.74

DRIVERS- MOSFET/IGBT

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	VCC (V)		Number of Drivers	IO Max. (A)	tp Max. (ns)	Price Each			
			Min.	Max.				1	25	100	500
863-MC33152DG	MC33152DG	SOIC-8	6.5	18	2	1.5	120	1.32	1.10	.88	.79
863-MC34151DG	MC34151DG	SOIC-8	6.5	18	2	1.5	100	1.30	1.09	.87	.78
863-MC34151PG	MC34151PG	PDIP-8	6.5	18	2	1.5	100	1.30	1.09	.87	.78
863-MC34152DG	MC34152DG	SOIC-8	6.5	18	2	1.5	120	1.26	1.05	.84	.76
863-MC34152PG	MC34152PG	PDIP-8	6.5	18	2	1.5	120	1.26	1.05	.84	.76
863-NCV7513FTG	NCV7513FTG	QFP-32	4.75	5.25	6	-	-	4.50	3.75	3.38	2.85
863-NCV7513FTR2G	NCV7513FTR2G	QFP-32	4.75	5.25	6	-	-	4.50	3.75	3.38	2.85

VOLTAGE SUPERVISORY

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	TA (°C)		VCC (V)		V(TO) Typ. (V)	Vhys Typ. (V)	IQ Typ. (µA)	Price Each			
			Min.	Max.	Max.	Min.				1	25	100	500
863-MC34064D-005G	MC34064D-005G	SOIC-8	70	0	1	6.5	4.61	0.02	390	.53	.45	.36	.32
863-MC34161DG	MC34161DG	SOIC-8	70	0	2	40	1.27	0.025	-	1.32	1.10	.88	.79
863-MC3423DG	MC3423DG	SOIC-8	70	0	4.5	40	2.6	-	-	.90	.88	.68	.56
863-MC3423P1G	MC3423P1G	PDIP-8	70	0	4.5	40	2.6	-	-	.89	.74	.59	.54
863-MC33161DG	MC33161DG	SOIC-8	105	-40	2	40	1.27	0.025	-	1.35	1.13	.90	.81
863-MC33161PG	MC33161PG	PDIP-8	105	-40	2	40	1.27	0.025	-	1.35	1.13	.90	.81
863-MC34161PG	MC34161PG	PDIP-8	0	70	40	2	1.27	0.025	-	1.32	1.10	.99	.84
863-MAX809JTRG	MAX809JTRG	SOT-23	-40	105	5.5	1	4	-	0.5	.42	.33	.27	.21
863-MAX809MTRG	MAX809MTRG	SOT-23	-40	105	5.5	1	4.38	-	0.5	.40	.34	.26	.22
863-MC33064D-5R2G	MC33064D-5R2G	SOIC-8	-40	85	6.5	1	4.61	0.02	390	.70	.58	.44	.31
863-MC33161DR2G	MC33161DR2G	SOIC-8	-40	105	40	2	1.27	0.025	-	1.35	1.13	.90	.70
863-MC33164D-5R2G	MC33164D-5R2G	SOIC-8	-40	125	10	1	4.33	0.09	32	1.11	.93	.74	.67
863-MC34161DR2G	MC34161DR2G	SOIC-8	0	70	40	2	1.27	0.025	-	1.32	1.10	.88	.79
863-NCP302LSN30T1G	NCP302LSN30T1G	SOT-23	-40	85	10	0.8	3	0.15	0.5	.40	.34	.26	.22
863-NCP303LSN45T1G	NCP303LSN45T1G	SOT-23	-40	85	10	0.8	4.5	0.225	0.5	.40	.34	.26	.22

SOIC-8

TO-92

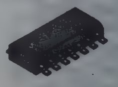
PDIP-8

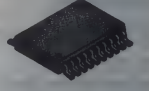
MICRO-8

DFN-18

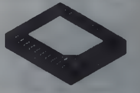
QFN-40

FLIP CHIP 8


SOIC-14


TSSOP-20

SOIC-16


DFN-20

QFP-32

SOT-23

POWER INTEGRATIONS AC-DC Power Conversion

Products may be RoHS compliant.
Check mouser.com for RoHS status.

VERY LOW POWER AC-DC, NON-ISOLATED LINEAR/PASSIVE SUPPLY REPLACEMENT (≤ 360 MA)

NEW FROM SUPPLIER

Features:

- Self Powered
- Remote ON/OFF
- Auto Restart
- Power Limiting
- EcoSmart® Low Standby/No-Load Power Consumption
- Thermal Shutdown - Hysteresis

MOUSER STOCK NO.	PI Part No.	Kit Description	Price Each
869-DAK-48A	DAK-48A	Design Accelerator Kit: AC-DC Buck Converter; Output: 12V @ 1.44W; LinkSwitch-TN	19.95

LinkSwitch-TN

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PI Part No.	Package	Output Current				HV-FET Rating	Switching Frequency	Control Method	Frequency Jitter	Bias Req'd	Adjust. I-Lim	Price Each		
			230VAC ±15%		85-265VAC										
			MDCM	CCM	MDCM	CCM							1	25	100
869-LNK302PN	LNK302PN	DIP-8	63 mA	80 mA	63 mA	80 mA	700 V	66 kHz	ON/OFF	Yes	No	No	.68	.61	.54
◆ 869-LNK302GN	LNK302GN	SMD-8	63 mA	80 mA	63 mA	80 mA	700 V	66 kHz	ON/OFF	Yes	No	No	.72	.65	.58
869-LNK304PN	LNK304PN	DIP-8	120 mA	170 mA	120 mA	170 mA	700 V	66 kHz	ON/OFF	Yes	No	No	1.14	.95	.76
◆ 869-LNK304GN	LNK304GN	SMD-8	120 mA	170 mA	120 mA	170 mA	700 V	66 kHz	ON/OFF	Yes	No	No	.80	.72	.64
869-LNK305PN	LNK305PN	DIP-8	175 mA	360 mA	175 mA	360 mA	700 V	66 kHz	ON/OFF	Yes	No	No	.90	.81	.72
◆ 869-LNK305GN	LNK305GN	SMD-8	175 mA	360 mA	175 mA	360 mA	700 V	66 kHz	ON/OFF	Yes	No	No	.94	.85	.75
869-LNK306PN	LNK306PN	DIP-8	225 mA	360 mA	225 mA	360 mA	700 V	66 kHz	ON/OFF	Yes	No	No	1.06	.95	.85
869-LNK306GN	LNK306GN	SMD-8	225 mA	360 mA	225 mA	360 mA	700 V	66 kHz	ON/OFF	Yes	No	No	1.10	.99	.88
◆ 869-LNK302DN	LNK302DN	S08	63 mA	80 mA	63 mA	80 mA	700	66khZ	ON/OFF	Yes	No	No	1.09	.90	.71
869-LNK304DN	LNK304DN	S08	120 mA	170 mA	120 mA	170 mA	700	66khZ	ON/OFF	Yes	No	No	1.21	1.00	.79
869-LNK305DN	LNK305DN	S08	175 mA	280 mA	175 mA	280 mA	700	66khZ	ON/OFF	Yes	No	No	1.42	1.17	.93
869-LNK306DN	LNK306DN	S08	225 mA	360 mA	225 mA	360 mA	700	66khZ	ON/OFF	Yes	No	No	1.40	1.11	.83

VERY LOW POWER AC-DC POWER CONVERSION (UP TO 6 W)

NEW FROM SUPPLIER

Features:

- Self Powered (LP & XT Series only)
- Auto Restart
- EcoSmart® Low Standby/No-Load Power Consumption
- Power Limiting
- Remote ON/OFF (LP & XT Series only)
- Thermal Shutdown - Hysteresis

MOUSER STOCK NO.	PI Part No.	Kit Description	Price Each
869-DAK-54	DAK-54	Design Accelerator Kit: AC-DC adapter; Output: 5.5V @ 2.75W; LinkSwitch	19.95
869-DAK-16A	DAK-16A	Design Accelerator Kit: AC-DC adapter; Output: 5.5 V @ 2.75 W; LinkSwitch	19.95

LinkSwitch-LP

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PI Part No.	Package	Continuous Output Power				HV-FET Rating	Switching Frequency	Control Method	Frequency Jitter	Bias Req'd	Adjust. I-Lim	Price Each		
			230VAC ±15% / Open		85-265VAC / Open										
			Adapter	Frame	Adapter	Frame							1	25	100
869-LNK562PN	LNK562PN	DIP-8	1.9 W	1.9 W	1.9 W	1.9 W	700 V	66	ON/OFF	Yes	Yes	No	.99	.83	.66
◆ 869-LNK562GN	LNK562GN	SMD-8	1.9 W	1.9 W	1.9 W	1.9 W	700 V	66	ON/OFF	Yes	Yes	No	.70	.63	.56
869-LNK563PN	LNK563PN	DIP-8	2.5 W	2.5 W	2.5 W	2.5 W	700 V	83	ON/OFF	Yes	Yes	No	.68	.61	.54
◆ 869-LNK563GN	LNK563GN	SMD-8	2.5 W	2.5 W	2.5 W	2.5 W	700 V	83	ON/OFF	Yes	Yes	No	.72	.65	.58
869-LNK564PN	LNK564PN	DIP-8	3 W	3 W	3 W	3 W	700 V	100	ON/OFF	Yes	Yes	No	.70	.63	.56
◆ 869-LNK564GN	LNK564GN	SMD-8	3 W	3 W	3 W	3 W	700 V	100	ON/OFF	Yes	Yes	No	.74	.67	.59
869-LNK562DN	LNK562DN	S08	1.9 W	1.9 W	1.9 W	1.9 W	700	66	ON/OFF	Yes	No	No	1.06	.88	.69
869-LNK563DN	LNK563DN	S08	2.5 W	2.5 W	2.5 W	2.5 W	700	83	ON/OFF	Yes	No	No	1.09	.90	.71
869-LNK564DN	LNK564DN	S08	3 W	3 W	3 W	3 W	700	100	ON/OFF	Yes	No	No	1.12	.93	.73

LinkSwitch

For quantities of 500 and up, call for quote.

869-LNK500PN	LNK500PN	DIP-8	4 W	5.5 W	3 W	3.5 W	700 V	42	PWM	No	No	No	.76	.68	.61
◆ 869-LNK500GN	LNK500GN	SMD-8	4 W	5.5 W	3 W	3.5 W	700 V	42	PWM	No	No	No	.80	.72	.64
869-LNK501PN	LNK501PN	DIP-8	4 W	5.5 W	3 W	3.5 W	700 V	42	PWM	No	No	No	1.35	1.13	.90
◆ 869-LNK501GN	LNK501GN	SMD-8	4 W	5.5 W	3 W	3.5 W	700 V	42	PWM	No	No	No	.94	.85	.75
869-LNK520PN	LNK520PN	DIP-8	4 W	5.5 W	3 W	3.5 W	700 V	42	PWM	No	Yes	No	.93	.78	.62
◆ 869-LNK520GN	LNK520GN	SMD-8	4 W	5.5 W	3 W	3.5 W	700 V	42	PWM	No	Yes	No	.66	.59	.53

LinkSwitch-XT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PI Part No.	Package	Continuous Output Power				HV-FET Rating	Switching Frequency	Control Method	Frequency Jitter	Bias Req'd	Adjust. I-Lim	Price Each		
			230VAC ±15% / Open		85-265VAC / Open										
			Adapter	Frame	Adapter	Frame							1	25	100
869-LNK362PN	LNK362PN	DIP-8	2.8 W	2.8 W	2.6 W	2.6 W	700 V	132	ON/OFF	Yes	No	No	1.08	.90	.72
◆ 869-LNK362GN	LNK362GN	SMD-8	2.8 W	2.8 W	2.6 W	2.6 W	700 V	132	ON/OFF	Yes	No	No	.76	.68	.61
869-LNK363PN	LNK363PN	DIP-8	5 W	7.5 W	3.7 W	4.7 W	700 V	132	ON/OFF	Yes	No	No	.78	.70	.62
◆ 869-LNK363GN	LNK363GN	SMD-8	5 W	7.5 W	3.7 W	4.7 W	700 V	132	ON/OFF	Yes	No	No	.82	.74	.66
869-LNK364PN	LNK364PN	DIP-8	5.5 W	9 W	4 W	6 W	700 V	132	ON/OFF	Yes	No	No	.82	.74	.66
◆ 869-LNK364GN	LNK364GN	SMD-8	5.5 W	9 W	4 W	6 W	700 V	132	ON/OFF	Yes	No	No	.86	.77	.69
869-LNK362DN	LNK362DN	S08	2.8 W	2.8 W	2.6 W	2.8 W	700	132	ON/OFF	Yes	No	No	1.15	.95	.75
869-LNK363DN	LNK363DN	S08	5 W	7.5 W	3.7 W	4.7 W	700	132	ON/OFF	Yes	No	No	1.23	1.02	.81
869-LNK364DN	LNK364DN	S08	5.5 W	9 W	4 W	6 W	700	132	ON/OFF	Yes	No	No	1.29	1.07	.85

LOW POWER AC-DC POWER CONVERSION (UP TO 23 W)

Features:

- S- Self Powered
- Auto Restart
- Remote ON/OFF
- Power Limiting
- EcoSmart® Low Standby/No-Load Power Consumption
- Remote ON/OFF
- Thermal Shutdown - Hysteresis

MOUSER STOCK NO.	PI Part No.	Kit Description	Price Each
869-DAK-7	DAK-7	Design Accelerator Kit: Home Appliance Supplies; Output: 12V @ 1.2W and 12V @ 2.4W, 5V @ 2.5W; TinySwitch-II	19.95
869-DAK-14A	DAK-14A	Design Accelerator Kit: AC-DC adapter; Output: 9 V @ 3 W; TinySwitch-II	19.95

TinySwitch II

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PI Part No.	Package	Continuous Output Power				HV-FET Rating	Switching Frequency	Control Method	Frequency Jitter	Bias Req'd	Adjust. I-Lim	Price Each		
			230VAC ±15% / Open		85-265VAC / Open										
			Adapter	Frame	Adapter	Frame							1	25	100
869-TNY263PN	TNY263PN	DIP-8	5 W	7.5 W	3.7 W	4.7 W	700 V	132	ON/OFF	Yes	No	No	.90	.81	.72
◆ 869-TNY263GN	TNY263GN	SMD-8	5 W	7.5 W	3.7 W	4.7 W	700 V	132	ON/OFF	Yes	No	No	.96	.86	.77
869-TNY264PN	TNY264PN	DIP-8	5.5 W	9 W	4 W	6 W	700 V	132	ON/OFF	Yes	No	No	1.47	1.23	.98
◆ 869-TNY264GN	TNY264GN	SMD-8	5.5 W	9 W	4 W	6 W	700 V	132	ON/OFF	Yes	No	No	1.04	.94	.83
869-TNY265PN	TNY265PN	DIP-8	8.5 W	11 W	5.5 W	7.5 W	700 V	132	ON/OFF	Yes	No	No	1.02	.92	.82
◆ 869-TNY265GN	TNY265GN	SMD-8	8.5 W	11 W	5.5 W	7.5 W	700 V	132	ON/OFF	Yes	No	No	1.08	.97	.86
869-TNY266PN	TNY266PN	DIP-8	10 W	15 W	6 W	9.5 W	700 V	132	ON/OFF	Yes	No	No	1.38	1.10	.83
◆ 869-TNY266GN	TNY266GN	SMD-8	10 W	15 W	6 W	9.5 W	700 V	132	ON/OFF	Yes	No	No	1.16	1.04	.93
869-TNY267PN	TNY267PN	DIP-8	13 W	19 W	8 W	12 W	700 V	132	ON/OFF	Yes	No	No	1.26	1.13	1.01
◆ 869-TNY267GN	TNY267GN	SMD-8	13 W	19 W	8 W	12 W	700 V	132	ON/OFF	Yes	No	No	1.32	1.19	1.06
869-TNY268PN	TNY268PN	DIP-8	16 W	23 W	10 W	15 W	700 V	132	ON/OFF	Yes	No	No	1.73	1.38	1.04
◆ 869-TNY268GN	TNY268GN	SMD-8	16 W	23 W	10 W	15 W	700 V	132	ON/OFF	Yes	No	No	1.44	1.30	1.15

AC-DC and DC-DC Power Conversion

Products may be RoHS compliant.
Check mouser.com for RoHS status.

LOW POWER AC-DC POWER CONVERSION (UP TO 23 W) (CONT)

TinySwitch III ◆ Surface Mount Device

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PI Part No.	Package	Continuous Output Power				HV-FET Rating	Switching Frequency	Control Method	Frequency Jitter	Bias Req'd	Adjust. I-Lim	Price Each		
			230VAC ±15% / Open		85-265VAC / Open										
			Adapter	Frame	Adapter	Frame							1	25	100
869-TNY274PN	TNY274PN	DIP-8	6 W	11 W	5 W	8.5 W	700 V	132	ON/OFF	Yes	No	Yes	.90	.81	.72
◆ 869-TNY274GN	TNY274GN	SMD-8	6 W	11 W	5 W	8.5 W	700 V	132	ON/OFF	Yes	No	Yes	.94	.85	.75
869-TNY275PN	TNY275PN	DIP-8	8.5 W	15 W	6 W	11.5 W	700 V	132	ON/OFF	Yes	No	Yes	.94	.85	.75
◆ 869-TNY275GN	TNY275GN	SMD-8	8.5 W	15 W	6 W	11.5 W	700 V	132	ON/OFF	Yes	No	Yes	.98	.88	.78
869-TNY276PN	TNY276PN	DIP-8	10 W	19 W	7 W	15 W	700 V	132	ON/OFF	Yes	No	Yes	1.00	.90	.80
◆ 869-TNY276GN	TNY276GN	SMD-8	10 W	19 W	7 W	15 W	700 V	132	ON/OFF	Yes	No	Yes	1.04	.94	.83
869-TNY277PN	TNY277PN	DIP-8	13 W	23.5 W	8 W	18 W	700 V	132	ON/OFF	Yes	No	Yes	1.10	.99	.88
◆ 869-TNY277GN	TNY277GN	SMD-8	13 W	23.5 W	8 W	18 W	700 V	132	ON/OFF	Yes	No	Yes	1.14	1.03	.91
869-TNY278PN	TNY278PN	DIP-8	16 W	28 W	10 W	21.5 W	700 V	132	ON/OFF	Yes	No	Yes	1.26	1.13	1.01
◆ 869-TNY278GN	TNY278GN	SMD-8	16 W	28 W	10 W	21.5 W	700 V	132	ON/OFF	Yes	No	Yes	1.30	1.17	1.04
869-TNY279PN	TNY279PN	DIP-8	18 W	32 W	12 W	25 W	700 V	132	ON/OFF	Yes	No	Yes	1.44	1.30	1.15
◆ 869-TNY279GN	TNY279GN	SMD-8	18 W	32 W	12 W	25 W	700 V	132	ON/OFF	Yes	No	Yes	1.48	1.33	1.18
869-TNY280PN	TNY280PN	DIP-8	20 W	36.5 W	14 W	28.5 W	700 V	132	ON/OFF	Yes	No	Yes	1.66	1.49	1.33
◆ 869-TNY280GN	TNY280GN	SMD-8	20 W	36.5 W	14 W	28.5 W	700 V	132	ON/OFF	Yes	No	Yes	1.70	1.53	1.36

HIGH POWER AC-DC POWER CONVERSION (UP TO 290 W)

Features:

- Soft Start
- Adjustable Current Limit
- Auto Restart
- Power Limiting
- Line UV Detection
- Line OV Detection
- Remote ON/OFF
- EcoSmart® Low Standby/No-Load Power Consumption
- Thermal Shutdown - Hysteresis

MOUSER STOCK NO.	PI Part No.	Kit Description	Price Each
869-DAK-18	DAK-18	Design Accelerator Kit: AC-DC Broadband Modem PS; Output: 3.3V, 5V, 30V @ 10W; TOPSwitch-GX	24.95
869-DAK-32	DAK-32	Design Accelerator Kit: AC-DC DVD/Set-top box PS; Output: 3.3V, 5V, 12V, -24V @ 20W; TOPSwitch-GX	45.95
869-DAK-34	DAK-34	Design Accelerator Kit: AC-DC power supply; Output: 12V @ 30W; TOPSwitch-GX	31.95

TopSwitch-GX ◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PI Part No.	Package	Continuous Output Power				HV-FET Rating	Switching Frequency	Control Method	Frequency Jitter	Bias Req'd	Simultaneous Line Sensing & Current Limit	Price Each		
			230VAC ±15% / Open		85-265VAC / Open										
			Adapter	Frame	Adapter	Frame							1	25	100
869-TOP242PN	TOP242PN	DIP-8	9 W	15 W	6.5 W	10 W	700 V	132	PWM	Yes	Yes	No	1.80	1.62	1.44
◆ 869-TOP242GN	TOP242GN	SMD-8	9 W	15 W	6.5 W	10 W	700 V	132	PWM	Yes	Yes	No	2.33	1.86	1.40
869-TOP242YN	TOP242YN	TO-220	10 W	22 W	7 W	14 W	700 V	132/66	PWM	Yes	Yes	Yes	2.08	1.87	1.66
869-TOP243PN	TOP243PN	DIP-8	13 W	25 W	9 W	15 W	700 V	132	PWM	Yes	Yes	No	2.08	1.87	1.66
◆ 869-TOP243GN	TOP243GN	SMD-8	13 W	25 W	9 W	15 W	700 V	132	PWM	Yes	Yes	No	2.14	1.93	1.71
869-TOP244PN	TOP244PN	DIP-8	16 W	28 W	11 W	20 W	700 V	132	PWM	Yes	Yes	No	2.66	2.12	1.65
◆ 869-TOP244GN	TOP244GN	SMD-8	16 W	28 W	11 W	20 W	700 V	132	PWM	Yes	Yes	No	2.42	2.18	1.94
869-TOP245PN	TOP245PN	DIP-8	19 W	30 W	13 W	22 W	700 V	132	PWM	Yes	Yes	No	2.60	2.34	2.08
◆ 869-TOP245GN	TOP245GN	SMD-8	19 W	30 W	13 W	22 W	700 V	132	PWM	Yes	Yes	No	2.66	2.39	2.13
869-TOP243YN	TOP243YN	TO-220	20 W	45 W	15 W	30 W	700 V	132/66	PWM	Yes	Yes	Yes	2.36	2.12	1.89
869-TOP246PN	TOP246PN	DIP-8	21 W	34 W	15 W	26 W	700 V	132	PWM	Yes	Yes	No	3.22	2.57	2.00
869-TOP244YN	TOP244YN	TO-220	30 W	65 W	20 W	45 W	700 V	132/66	PWM	Yes	Yes	Yes	2.95	2.36	1.83
869-TOP245YN	TOP245YN	TO-220	40 W	85 W	26 W	60 W	700 V	132/66	PWM	Yes	Yes	Yes	3.24	2.59	2.02
869-TOP246YN	TOP246YN	TO-220	60 W	125 W	40 W	90W	700 V	132/66	PWM	Yes	Yes	Yes	3.12	2.81	2.50
869-TOP247Y	TOP247Y	TO-220	85 W	165 W	55 W	125 W	700 V	132/66	PWM	Yes	Yes	Yes	3.38	3.04	2.70
869-TOP248YN	TOP248YN	TO-220	105 W	205 W	70 W	155 W	700 V	132/66	PWM	Yes	Yes	Yes	4.07	3.26	2.53
869-TOP249YN	TOP249YN	TO-220	120 W	250 W	80 W	180 W	700 V	132/66	PWM	Yes	Yes	Yes	4.37	3.49	2.72
869-TOP250YN	TOP250YN	TO-220	135 W	290 W	90 W	210 W	700 V	132/66	PWM	Yes	Yes	Yes	4.93	3.94	3.07

DPA-SWITCH® FAMILY DC-DC CONVERTERS FOR POWER OVER ETHERNET (POE) & TELECOM

DPA-Switch® cost effectively combines a high frequency power MOSFET, PWM control, fault protection, and other control circuitry on a single CMOS chip. Features include short circuit and open loop protection, programmable current limit, under-voltage and overvoltage detection, hysteretic thermal shutdown, soft-start, feedback compensation, and remote ON/OFF. DPA-Switch ICs can save over 20 external components when compared to conventional discrete designs, providing significant savings in both board space and cost.

Features:

- Soft Start
- Fully Integrated Current Sensing
- Adjustable Current Limit
- Auto Restart
- Power Limiting
- Line UV Detection
- Line OV Detection
- Remote ON/OFF
- Thermal Shutdown - Hysteresis
- EcoSmart® Low Standby/No-Load Power Consumption
- Synchronizable to Lower External Clock Frequency
- Simultaneous Line Sensing and Current Limit

MOUSER STOCK NO.	PI Part No.	Kit Description	Price Each
869-DAK-68A	DAK-68A	Design Accelerator Kit: PoE DC-DC Converter; Output: 3.3V @ 6.6W; DPA-Switch	29.95
869-DAK-71A	DAK-71A	Design Accelerator Kit: DC-DC Converter; Output: 3.3V @ 6.6W; DPA-Switch	29.95

DPA-Switch® ◆ Surface Mount Device

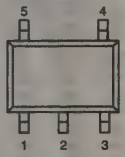
RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PI Part No.	Package	36-75 VDC Input Range				HV-FET Rating	Switching Frequency	Control Method	Frequency Jitter	Simultaneous Line Sensing & Current Limit	Price Each		
			Forward		Flyback									
			0.5W	Max Pwr Output	0.5W	Max Pwr Output						1	25	100
869-DPA423PN	DPA423PN	DIP-8	12 W	18 W	9 W	13 W	220 V	400/300	PWM	No	Yes	2.33	1.86	1.40
◆ 869-DPA423GN	DPA423GN	SMD-8	12 W	18 W	9 W	13 W	220 V	400/300	PWM	No	Yes	1.90	1.71	1.52
869-DPA423SN	DPA423SN	S-PAK	12 W	18 W	9 W	13 W	220 V	400/300	PWM	No	Yes	2.58	2.32	2.06
869-DPA424PN	DPA424PN	DIP-8	16 W	35 W	10 W	26 W	220 V	400/300	PWM	No	Yes	2.30	2.07	1.84
◆ 869-DPA424GN	DPA424GN	SMD-8	16 W	35 W	10 W	26 W	220 V	400/300	PWM	No	Yes	2.34	2.11	1.87
◆ 869-DPA424SN	DPA424SN	S-PAK	16 W	35 W	10 W	26 W	220 V	400/300	PWM	No	Yes	3.02	2.72	2.42
869-DPA425PN	DPA425PN	DIP-8	23 W	70 W	-	52 W	220 V	400/300	PWM	No	Yes	3.20	2.88	2.56
◆ 869-DPA425GN	DPA425GN	SMD-8	23 W	70 W	-	52 W	220 V	400/300	PWM	No	Yes	3.24	2.92	2.59
◆ 869-DPA426SN	DPA426SN	S-PAK	25 W	100 W	-	-	220 V	400/300	PWM	No	Yes	4.92	4.43	3.94

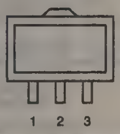
SOT-23-5

Top View



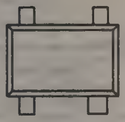
SOT-89-3

Top View

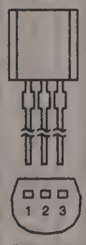


SC-82AB

Top View



TO-92



Bottom View

RoHS Compliant **This page of product is compliant.**

SII HIGH PRECISION VOLTAGE DETECTORS

S-1000 Series

The S-1000 series is a series of high-precision voltage detectors developed using CMOS process. The detection voltage is fixed internally with an accuracy of ±1.0%. It operates with low current consumption of 350 nA typ.

- Ultra-low current consumption 350 nA typ. (VDD = detection voltage + 1.5 V)
- High-precision detection voltage ±1.0%
- Operating voltage range 0.95 to 5.5 V
- Hysteresis characteristics 5% typ.

RoHS Compliant

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (μA) (Typ.)	Price Each			
							1	100	500	1000
Surface Mount										
628-1000N27-M5-G	S-1000N27-M5T1G	SOT-23-5	N-Ch open	2.5	0.050	350 (VDD = -VDET(S)+1.5V)	.40	.36	.32	.29
628-1000N45-M5-G	S-1000N45-M5T1G	SOT-23-5	N-Ch open	4.5	0.050	350 (VDD = 5.5V)	.40	.36	.32	.29

S-801 Series

The S-801 series is a series of high-precision voltage detectors with a built-in delay time generator of fixed time developed using CMOS process. The detection voltage is fixed internally, with an accuracy of ±2.0%. Internal oscillator and counter timer can delay the release signal without external parts.

- Ultra-low current consumption: 1.3 μA Typ. (at VDD = 3.5V)
- High-precision detection voltage: ±2.0%
- Delay times: 100 ms Typ.
- ON/OFF switch of delay time (DS pin)
- Operating voltage range: 0.95V to 10.0V
- Detection voltage: 2.2V to 6.0V (0.1V step)

RoHS Compliant

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (μA) (Typ.)	Price Each			
							1	100	500	1000
Surface Mount										
628-80125BLM-G	S-80125BLMC-JEKT2G	SOT-23-5	CMOS	2.5	0.06	1.3 (VDD = 3.5V)	.48	.43	.38	.35
628-80127BLM-G	S-80127BLMC-JEMT2G	SOT-23-5	CMOS	2.7	0.06	1.5 (VDD = 4.5V)	.48	.43	.38	.35
628-80127BNM-G	S-80127BNMC-JGMT2G	SOT-23-5	N-Ch open	2.7	0.06	1.5 (VDD = 4.5V)	.48	.43	.38	.35
628-80130BLM-G	S-80130BLMC-JEPT2G	SOT-23-5	CMOS	3	0.06	1.5 (VDD = 4.5V)	.48	.43	.38	.35
628-80130BNM-G	S-80130BNMC-JGPT2G	SOT-23-5	N-Ch open	3	0.06	1.5 (VDD = 4.5V)	.48	.43	.38	.35
628-80140BNM-G	S-80140BNMC-JGZT2G	SOT-23-5	N-Ch open	4	0.06	1.8 (VDD = 6.5V)	.48	.43	.38	.35
628-80145BNM-G	S-80145BNMC-JG6T2G	SOT-23-5	N-Ch open	4.5	0.06	1.8 (VDD = 6.5V)	.48	.43	.38	.35

S-808 Series

The S-808xxC series is a series of high-precision voltage detectors developed using CMOS process. The detection voltage is fixed internally with an accuracy of ±2.0%. Ultra-low current consumption and miniature package lineup can meet demand from the portable device applications.

- Ultra-low current consumption: 1.3 μA Typ. (at VDD = 1.5 V) (Products with detection voltage of 1.4 V Typ. or less)
  0.8 μA Typ. (at VDD = 3.5 V) (Products with detection voltage of 1.5 V Typ. or less)
- High-accuracy detection voltage: ±2.0%
- Operating voltage range: 0.65 V to 5.0 V (Products with detection voltage of 1.4 V Typ. or less)
  0.95 V to 10.0 V (Products with detection voltage of 1.5 V Typ. or less)
- Hysteresis characteristics: 5 % Typ.

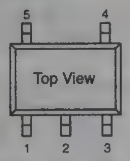
RoHS Compliant

For quantities 2000 and up, call for quote.

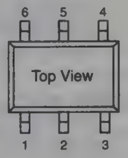
MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (μA) (Typ.)	Price Each			
							1	100	500	1000
Surface Mount										
628-80820CNU-G	S-80820CNUA-B8FT2G	SOT-89-3	N-Ch open	2	0.1	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80823CNM-G	S-80823CNMC-B8IT2G	SOT-23-5	N-Ch open	2.3	0.115	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80824CNU-G	S-80824CNUA-B8JT2G	SOT-89-3	N-Ch open	2.4	0.12	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CLU-G	S-80825CLUA-B6KT2G	SOT-89-3	CMOS	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CNM-G	S-80825CNMC-B8KT2G	SOT-23-5	N-Ch open	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CNU-G	S-80825CNUA-B8KT2G	SOT-89-3	N-Ch open	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80826CNU-G	S-80826CNUA-B8LT2G	SOT-89-3	N-Ch open	2.6	0.13	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80827CNM-G	S-80827CNMC-B8MT2G	SOT-23-5	N-Ch open	2.7	0.135	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80830CNM-G	S-80830CNMC-B8PT2G	SOT-23-5	N-Ch open	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80830CLM-G	S-80830CLMC-B6PT2G	SOT-23-5	CMOS	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80830CNU-G	S-80830CNUA-B8PT2G	SOT-89-3	N-Ch open	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80833CNU-G	S-80833CNUA-B8ST2G	SOT-89-3	N-Ch open	3.3	0.165	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80834CLU-G	S-80834CLUA-B6TT2G	SOT-89-3	CMOS	3.4	0.17	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80835CNU-G	S-80835CNUA-B8UT2G	SOT-89-3	N-Ch open	3.5	0.175	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80840CNM-G	S-80840CNMC-B8ZT2G	SOT-23-5	N-Ch open	4	0.2	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80840CNN-G	S-80840CNNB-B8ZT2G	SC-82AB	N-Ch open	4	0.2	0.9 (VDD = 6.0V)	.48	.43	.38	.35
628-80840CNU-G	S-80840CNUA-B8ZT2G	SOT-89-3	N-Ch open	4	0.2	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80843CNU-G	S-80843CNUA-B84T2G	SOT-89-3	N-Ch open	4.3	0.215	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80845CNM-G	S-80845CNMC-B86T2G	SOT-23-5	N-Ch open	4.5	0.225	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80845CNU-G	S-80845CNUA-B86T2G	SOT-89-3	N-Ch open	4.5	0.225	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80850CNM-G	S-80850CNMC-B9BT2G	SOT-23-5	N-Ch open	5	0.25	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80850CNU-G	S-80850CNUA-B9BT2G	SOT-89-3	N-Ch open	5	0.25	1.0 (VDD = 6.0V)	.48	.43	.38	.35
Thru-Hole										
628-80820CNY-G	S-80820CNY-B-G	TO-92	N-Ch open	2	0.1	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CLY-G	S-80825CLY-B-G	TO-92	CMOS	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80825CNY-G	S-80825CNY-B-G	TO-92	N-Ch open	2.5	0.125	0.8 (VDD = 3.5V)	.48	.43	.38	.35
628-80830CLY-G	S-80830CLY-B-G	TO-92	CMOS	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80830CNY-G	S-80830CNY-B-G	TO-92	N-Ch open	3	0.15	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80833CLY-G	S-80833CLY-B-G	TO-92	CMOS	3.3	0.165	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80833CNY-G	S-80833CNY-B-G	TO-92	N-Ch open	3.3	0.165	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80835CLY-G	S-80835CLY-B-G	TO-92	CMOS	3.5	0.175	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80835CNY-G	S-80835CNY-B-G	TO-92	N-Ch open	3.5	0.175	0.9 (VDD = 4.5V)	.48	.43	.38	.35
628-80840CLY-G	S-80840CLY-B-G	TO-92	CMOS	4	0.2	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80840CNY-G	S-80840CNY-B-G	TO-92	N-Ch open	4	0.2	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80841CLY-G	S-80841CLY-B-G	TO-92	CMOS	4.1	0.205	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80845CLY-G	S-80845CLY-B-G	TO-92	CMOS	4.5	0.225	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80845CNY-G	S-80845CNY-B-G	TO-92	N-Ch open	4.5	0.225	1.0 (VDD = 6.0V)	.48	.43	.38	.35
628-80850CNY-G	S-80850CNY-B-G	TO-92	N-Ch open	5	0.25	1.0 (VDD = 6.0V)	.48	.43	.38	.36

RoHS Compliant This page of product is compliant.

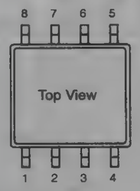
SOT-23-5



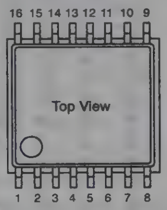
SOT-23-6



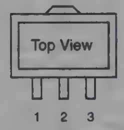
MSOP-8



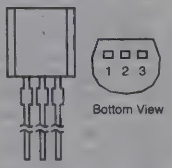
TSSOP-16



SOT-89-3



TO-92



SII HIGH PRECISION VOLTAGE DETECTORS (CONT.)

S-809 Series

The S-809xxC series is a high-precision voltage detector developed using a CMOS process. The detection voltage is fixed internally, with an accuracy of ±2.0%. A time delayed reset can be accomplished with the addition of an external capacitor.

- Ultra-low current consumption: 1.0 μA Typ. (at VDD = 2.0 V); Detection voltage: less-than or equal to 1.4 V
  1.1 μA Typ. (at VDD = 3.5 V); Detection voltage: greater-than or equal to 1.5 V
- High-precision detection voltage: ±2.0%
- Operating voltage range: 0.7 V to 10.0 V
- Detection voltage: 1.3 V to 6.0 V (0.1 V step)
- Hysteresis characteristics: 5% Typ.

RoHS Compliant

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (μA) (Typ.)	Price Each 1	100	500	1000
Surface Mount										
628-80920CLM-G	S-80920CLMC-G6QT2G	SOT-23-5	CMOS	2.0	0.100	1.2 (VDD = 3.5V)	.48	.43	.38	.35
628-80920CNM-G	S-80920CNMC-G8QT2G	SOT-23-5	N-Ch open	2.0	0.100	1.2 (VDD = 3.5V)	.48	.43	.38	.35
628-80925CLM-G	S-80925CLMC-G6VT2G	SOT-23-5	CMOS	2.5	0.125	1.2 (VDD = 3.5V)	.48	.43	.38	.35
628-80925CNM-G	S-80925CNMC-G8VT2G	SOT-23-5	N-Ch open	2.5	0.125	1.2 (VDD =3.5V)	.48	.43	.38	.35
628-80927CLM-G	S-80927CLMC-G6XT2G	SOT-23-5	CMOS	2.7	0.135	1.3 (VDD = 4.5V)	.48	.43	.38	.35
628-80927CNM-G	S-80927CNMC-G8XT2G	SOT-23-5	N-Ch open	2.7	0.135	1.3 (VDD = 4.5V)	.48	.43	.38	.35
628-80930CLM-G	S-80930CLMC-G60T2G	SOT-23-5	CMOS	3.0	0.150	1.3 (VDD = 4.5V)	.48	.43	.38	.35
628-80930CNM-G	S-80930CNMC-G80T2G	SOT-23-5	N-Ch open	3.0	0.150	1.3 (VDD = 4.5V)	.48	.43	.38	.35
628-80943CLM-G	S-80943CLMC-G7DT2G	SOT-23-5	CMOS	4.3	0.215	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80943CNM-G	S-80943CNMC-G9DT2G	SOT-23-5	N-Ch open	4.3	0.215	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80945CLM-G	S-80945CLMC-G7FT2G	SOT-23-5	CMOS	4.5	0.225	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80945CNM-G	S-80945CNMC-G9FT2G	SOT-23-5	N-Ch open	4.5	0.250	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80950CLM-G	S-80950CLMC-G7LT2G	SOT-23-5	CMOS	5.0	0.250	1.5 (VDD = 6.0V)	.48	.43	.38	.35
628-80950CNM-G	S-80950CNMC-G9LT2G	SOT-23-5	N-Ch open	5.0	0.250	1.5 (VDD = 6.0V)	.48	.43	.38	.35

SII BATTERY PROTECTION ICS

RoHS Compliant

S-8241 Series for 1-Cell Batteries

The S-8241 Series is a protection IC for lithium-ion/lithium polymer rechargeable batteries and includes a high precision detection circuit and a delay circuit. It is the optimal IC for protection against overcharge, overdischarge and overcurrent in 1-cell lithium-ion/lithium polymer rechargeable battery packs.

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Overcharge Detection Voltage	Overcharge Release Voltage	Overdischarge Detection Voltage	Overdischarge Release Voltage	Overcurrent Detection Voltage1	0V Batt. Charge Function	Price Each 1	100	500	1000
Surface Mount												
628-8241ABPM-G	S-8241ABPMC-GBPT2G	SOT-23-5	4.350V	4.15V	2.3V	3.0V	0.2V	Available	.44	.37	.35	.32

S-8242 Series for 2-Serial Cell Batteries

The S-8242 Series is a protection IC for 2-serial cell lithium-ion/lithium polymer rechargeable batteries and includes a high precision detection circuit and a delay circuit. These ICs are suitable for protecting 2-cell rechargeable lithium-ion/lithium polymer battery packs from overcharge, overdischarge and overcurrent.

RoHS Compliant

For quantities 2000 and up, call for quote.

Surface Mount												
628-8242AAGZ	S-8242AAG-M6T2GZ	SOT-23-6	4.325V	4.15V	2.4V	3.0V	0.3V	Available	.80	.68	.64	.58

S-8244 for 1-Serial to 4-Serial Cell Batteries

The S-8244 Series is used for secondary protection of lithium-ion rechargeable batteries with one to four cells and includes a high precision voltage detector circuit and a delay circuit. Short circuits between cells accommodates series connection of one to four cells.

RoHS Compliant

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Overcharge Detection Voltage	Overcharge Hysteresis Voltage	Output Form	Current Consumption @ 3.5V each cell	Current Consumption @ 2.5V each cell	Price Each 1	100	500	1000
Surface Mount											
628-8244AAA-G	S-8244AAAFN-CEAT2G	MSOP-8	4.45V	0.38+/- 0.1V	CMOS output active "H"	3.0uA	2.4uA	1.02	.92	.82	.74

S-8254 Series for 3-Serial or 4-Serial Cell Pack Batteries

The S-8254 Series is a protection IC for 3-serial or 4-serial cell lithium-ion rechargeable batteries and includes a high precision detection circuit and a delay circuit. It protects both 3-serial or 4-serial cells using the SEL pin for switching.

RoHS Compliant

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Overcharge Detection Voltage	Overcharge Release Voltage	Overdischarge Detection Voltage	Overdischarge Release Voltage	Overcurrent Detection Voltage1	0V Batt. Charge Function	Price Each 1	100	500	1000
Surface Mount												
628-8254AAJ-G	S-8254AAJFT-TB-G	TSSOP-16	4.350V	4.150V	2.40V	3.00V	0.15V	Available	1.44	1.22	1.15	1.04

SII HIGH PRECISION VOLTAGE REGULATORS

S-812 Series

The S-812 Series is a three-terminal positive voltage regulator made using the CMOS process. Since this has higher precision output voltage and consumes less current than existing three-terminal voltage regulators, battery-powered portable equipment can have a higher performance and a longer service life.

RoHS Compliant

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	I/O Voltage Difference (V) (Typ.)	Current Consumption (μA) (Typ.)	Input Voltage (V) (Max).	Price Each 1	100	500	1000
Surface Mount										
628-812C25AU-G	S-812C25AUA-C2FT2G	SOT-89-3	2.5	0.590	0.9	10	.51	.46	.41	.35
628-812C25AM-G	S-812C25AMC-C2FT2G	SOT-23-5	2.5	0.590	0.9	10	.51	.46	.41	.35
628-812C30AU-G	S-812C30AUA-C2KT2G	SOT-89-3	3.0	0.440	1.0	16	.51	.46	.41	.35
628-812C30AM-G	S-812C30AMC-C2KT2G	SOT-23-5	3.0	0.440	1.0	16	.51	.46	.41	.35
628-812C33AU-G	S-812C33AUA-C2NT2G	SOT-89-3	3.3	0.370	1.0	16	.51	.46	.41	.35
628-812C33AM-G	S-812C33AMC-C2NT2G	SOT-23-5	3.3	0.370	1.0	16	.51	.46	.41	.35
628-812C35AU-G	S-812C35AUA-C2PT2G	SOT-89-3	3.5	0.340	1.0	16	.51	.46	.41	.35
628-812C35AM-G	S-812C35AMC-C2PT2G	SOT-23-5	3.5	0.340	1.0	16	.51	.46	.41	.35
628-812C40AU-G	S-812C40AUA-C2UT2G	SOT-89-3	4.0	0.270	1.2	16	.51	.46	.41	.35
628-812C40AM-G	S-812C40AMC-C2UT2G	SOT-23-5	4.0	0.270	1.2	16	.51	.46	.41	.35
628-812C50AU-G	S-812C50AUA-C3ET2G	SOT-89-3	5.0	0.160	1.2	16	.51	.46	.41	.35
628-812C50AM-G	S-812C50AMC-C3ET2G	SOT-23-5	5.0	0.160	1.2	16	.51	.46	.41	.35
Thru-Hole										
628-812C25AY-G	S-812C25AY-B-G	TO-92	2.5	0.290	0.9	10	.51	.46	.41	.35
628-812C30AY-G	S-812C30AY-B-G	TO-92	3.0	0.440	1.0	16	.51	.46	.41	.35
628-812C33AY-G	S-812C33AY-B-G	TO-92	3.3	0.370	1.0	16	.51	.46	.41	.35
628-812C35AY-G	S-812C35AY-B-G	TO-92	3.5	0.340	1.0	16	.51	.46	.41	.35
628-812C40AY-G	S-812C40AY-B-G	TO-92	4.0	0.270	1.2	16	.51	.46	.41	.35
628-812C50AY-G	S-812C50AY-B-G	TO-92	5.0	0.160	1.2	16	.51	.46	.41	.35

This page of product is compliant.

SII HIGH PRECISION VOLTAGE REGULATORS (CONT.)

S-814 Series

The S-814 Series is a low dropout voltage, high output voltage accuracy and low current consumption positive voltage regulator developed utilizing CMOS technology. Built-in low ON-resistance transistors provide low dropout voltage and large output current. A power-off circuit ensures long battery life. Various types of output capacitors can be used in the S-814 Series compared with the past CMOS voltage regulators. (i.e., small ceramic capacitors can also be used in the S-814 Series). These are recommended to be used for configuring portable devices and large output current applications, respectively.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each			
									1	100	500	1000
Surface Mount												
628-814A20AMC-G	S-814A20AMC-BCKT2G	SOT-23-5	2.0	0.510	110	+/- 2	30	10	.51	.46	.41	.35
628-814A20AUC-G	S-814A20AUC-BCKT2G	SOT-89-5	2.0	0.510	110	+/- 2	30	10	.51	.46	.41	.35
628-814A27AMC-G	S-814A27AMC-BCRT2G	SOT-23-5	2.7	0.380	110	+/- 2	30	10	.51	.46	.41	.35
628-814A30AMC-G	S-814A30AMC-BCUT2G	SOT-23-5	3.0	0.300	110	+/- 2	30	10	.51	.46	.41	.35
628-814A30AUC-G	S-814A30AUC-BCUT2G	SOT-89-5	3.0	0.300	110	+/- 2	30	10	.51	.46	.41	.35
628-814A33AMC-G	S-814A33AMC-BCXT2G	SOT-23-5	3.3	0.300	110	+/- 2	30	10	.51	.46	.41	.35
628-814A33AUC-G	S-814A33AUC-BCXT2G	SOT-89-5	3.3	0.300	110	+/- 2	30	10	.51	.46	.41	.35
628-814A35AMC-G	S-814A35AMC-BCZT2G	SOT-23-5	3.5	0.240	110	+/- 2	30	10	.51	.46	.41	.35
628-814A40AMC-G	S-814A40AMC-BDET2G	SOT-23-5	4.0	0.200	110	+/- 2	30	10	.51	.46	.41	.35
628-814A40AUC-G	S-814A40AUC-BDET2G	SOT-89-5	4.0	0.200	110	+/- 2	30	10	.51	.46	.41	.35
628-814A50AMC-G	S-814A50AMC-BDOT2G	SOT-23-5	5.0	0.170	110	+/- 2	30	10	.51	.46	.41	.35
628-814A50AUC-G	S-814A50AUC-BDOT2G	SOT-89-5	5.0	0.170	110	+/- 2	30	10	.51	.46	.41	.35

S-817 Series

The S-817 Series is a three-terminal positive voltage regulator made using the CMOS process. Since this has higher precision output voltage and consumes less current than existing three-terminal voltage regulators, battery-powered portable equipment can have a higher performance and a longer service life.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each			
									1	100	500	1000
Surface Mount												
628-817A15ANB-G	S-817A15ANB-CUET2G	SC-82AB	1.5	0.580	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B15AMC-G	S-817B15AMC-CWET2G	SOT-23-5	1.5	0.580	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B15AUA-G	S-817B15AUA-CWET2G	SOT-89-3	1.5	0.580	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A18ANB-G	S-817A18ANB-CUHT2G	SC-82AB	1.8	0.580	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B18AMC-G	S-817B18AMC-CWHT2G	SOT-23-5	1.8	0.580	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B18AUA-G	S-817B18AUA-CWHT2G	SOT-89-3	1.8	0.580	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A20ANB-G	S-817A20ANB-CUJT2G	SC-82AB	2.0	0.400	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B20AMC-G	S-817B20AMC-CWJT2G	SOT-23-5	2.0	0.400	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B20AUA-G	S-817B20AUA-CWJT2G	SOT-89-3	2.0	0.400	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A25ANB-G	S-817A25ANB-CUOT2G	SC-82AB	2.5	0.310	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B25AMC-G	S-817B25AMC-CWOT2G	SOT-23-5	2.5	0.310	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B25AUA-G	S-817B25AUA-CWOT2G	SOT-89-3	2.5	0.310	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A27ANB-G	S-817A27ANB-CUQT2G	SC-82AB	2.7	0.310	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A30ANB-G	S-817A30ANB-CUTT2G	SC-82AB	3.0	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B30AMC-G	S-817B30AMC-CWTT2G	SOT-23-5	3.0	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B30AUA-G	S-817B30AUA-CWTT2G	SOT-89-3	3.0	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A33ANB-G	S-817A33ANB-CUWT2G	SC-82AB	3.3	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B33AMC-G	S-817B33AMC-CWWT2G	SOT-23-5	3.3	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B33AUA-G	S-817B33AUA-CWWT2G	SOT-89-3	3.3	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A35ANB-G	S-817A35ANB-CUYT2G	SC-82AB	3.5	0.220	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B35AMC-G	S-817B35AMC-CWYT2G	SOT-23-5	3.5	0.220	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B35AUA-G	S-817B35AUA-CWYT2G	SOT-89-3	3.5	0.220	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A40ANB-G	S-817A40ANB-CVDT2G	SC-82AB	4.0	0.190	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B40AMC-G	S-817B40AMC-CXDT2G	SOT-23-5	4.0	0.190	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B40AUA-G	S-817B40AUA-CXDT2G	SOT-89-3	4.0	0.190	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817A50ANB-G	S-817A50ANB-CVNT2G	SC-82AB	5.0	0.160	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B50AMC-G	S-817B50AMC-CXNT2G	SOT-23-5	5.0	0.160	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B50AUA-G	S-817B50AUA-CXNT2G	SOT-89-3	5.0	0.160	50	+/- 2	1.2	10	.51	.46	.41	.35
Thru-Hole												
628-817B15AY-G	S-817B15AY-B-G	TO-92	1.5	0.580	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B25AY-G	S-817B25AY-B-G	TO-92	2.5	0.310	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B30AY-G	S-817B30AY-B-G	TO-92	3.0	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B33AY-G	S-817B33AY-B-G	TO-92	3.3	0.250	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B40AY-G	S-817B40AY-B-G	TO-92	4.0	0.190	50	+/- 2	1.2	10	.51	.46	.41	.35
628-817B50AY-G	S-817B50AY-B-G	TO-92	5.0	0.160	50	+/- 2	1.2	10	.51	.46	.41	.35

S-818 Series

The S-818 Series is a positive voltage regulator developed utilizing CMOS technology featured by low dropout voltage accuracy and low current consumption. Built in low ON-resistance transistor provides low dropout voltage and large output current. A ceramic capacitor of 2uF or more can be used as an output capacitor. A power-OFF circuit ensures long battery life. The packages available are recommended for configuring portable devices and large output current applications.

RoHS Compliant

For quantities of 2000 and up, call for quote.

Surface Mount												
628-818A20AMC-G	S-818A20AMC-BGAT2G	SOT-23-5	2.0	0.510	200	+/- 2	30	10	.51	.46	.41	.35
628-818A25AMC-G	S-818A25AMC-BGFT2G	SOT-23-5	2.5	0.380	200	+/- 2	30	10	.51	.46	.41	.35
628-818A30AMC-G	S-818A30AMC-BGKT2G	SOT-23-5	3.0	0.300	200	+/- 2	30	10	.51	.46	.41	.35
628-818A33AMC-G	S-818A33AMC-BGNT2G	SOT-23-5	3.3	0.300	200	+/- 2	30	10	.51	.46	.41	.35
628-818A33AUC-G	S-818A33AUC-BGNT2G	SOT-89-5	3.3	0.300	200	+/- 2	30	10	.51	.46	.41	.35
628-818A40AMC-G	S-818A40AMC-BGUT2G	SOT-23-5	4.0	0.200	200	+/- 2	30	10	.51	.46	.41	.35
628-818A40AUC-G	S-818A40AUC-BGUT2G	SOT-89-5	4.0	0.200	200	+/- 2	30	10	.51	.46	.41	.35
628-818A50AMC-G	S-818A50AMC-BHET2G	SOT-23-5	5.0	0.170	200	+/- 2	30	10	.51	.46	.41	.35

SII LOW DROP OUT VOLTAGE REGULATORS

S-1111 Series

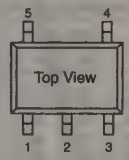
The S-1111 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life, and small SOT-23-5 package realizes high-density mounting.

RoHS Compliant

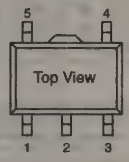
For quantities of 2000 and up, call for quote.

Surface Mount												
628-1111B15MC-G	S-1111B15MC-NYATFG	SOT-23-5	1.5	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B18MC-G	S-1111B18MC-NYDTFG	SOT-23-5	1.8	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B25MC-G	S-1111B25MC-NYKTFG	SOT-23-5	2.5	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B30MC-G	S-1111B30MC-NYPTFG	SOT-23-5	3.0	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B33MC-G	S-1111B33MC-NYSTFG	SOT-23-5	3.3	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32
628-1111B50MC-G	S-1111B50MC-NZJTFG	SOT-23-5	5.0	0.200	150	+/- 1	35	6.5	.46	.42	.38	.32

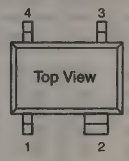
SOT-23-5



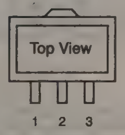
SOT-89-5



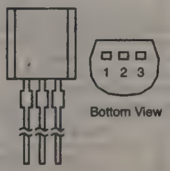
SC-82AB



SOT-89-3



TO-92



This page of product is compliant.

SEIKO INSTRUMENTS LOW DROP OUT VOLTAGE REGULATORS (CONT.)

S-1112 Series

The S-1112 series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life. Compared with the voltage regulators using the conventional CMOS process, a larger variety of capacitors are available, including small ceramic capacitors. A small SOT-23-5 package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each			
									1	100	500	1000
Surface Mount												
628-1112B15MC-G	S-1112B15MC-L6ATFG	SOT-23-5	1.5	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B18MC-G	S-1112B18MC-L6DTFG	SOT-23-5	1.8	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B25MC-G	S-1112B25MC-L6KTFG	SOT-23-5	2.5	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B30MC-G	S-1112B30MC-L6PTFG	SOT-23-5	3.0	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B33MC-G	S-1112B33MC-L6STFG	SOT-23-5	3.3	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33
628-1112B50MC-G	S-1112B50MC-L6JTFG	SOT-23-5	5.0	0.190	150	+/- 1	50	5.5	.48	.44	.40	.33

S-1131 Series

The S-1131 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life and a small SOT-89-5 package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

Surface Mount												
628-1131B15UC-G	S-1131B15UC-N4ATFG	SOT-89-5	1.5	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B18UC-G	S-1131B18UC-N4DTFG	SOT-89-5	1.8	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B25UC-G	S-1131B25UC-N4KTFG	SOT-89-5	2.5	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B30UC-G	S-1131B30UC-N4PTFG	SOT-89-5	3.0	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B33UC-G	S-1131B33UC-N4STFG	SOT-89-5	3.3	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35
628-1131B50UC-G	S-1131B50UC-N5JTFG	SOT-89-5	5.0	0.250	300	+/- 1	35	6.5	.51	.46	.41	.35

S-1165 Series

The S-1165 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life and a small SOT-23-5 package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

Surface Mount												
628-1165B15MC-G	S-1165B15MC-N6ATFG	SOT-23-5	1.5	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B18MC-G	S-1165B18MC-N6DTFG	SOT-23-5	1.8	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B25MC-G	S-1165B25MC-N6KTFG	SOT-23-5	2.5	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B30MC-G	S-1165B30MC-N6PTFG	SOT-23-5	3.0	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B33MC-G	S-1165B33MC-N6STFG	SOT-23-5	3.3	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36
628-1165B50MC-G	S-1165B50MC-N7JTFG	SOT-23-5	5.0	0.140	200	+/- 1	35	6.5	.53	.48	.43	.36

S-1323 Series

The S-1323 series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life. Compared with the voltage regulators using the conventional CMOS process, a larger variety of capacitors are available, including small ceramic capacitors. A small SC-82AB package realizes high-density mounting.

For quantities of 2000 and up, call for quote.

Surface Mount												
628-1323B15NB-G	S-1323B15NB-N8ATFG	SC-82AB	1.5	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B18NB-G	S-1323B18NB-N8DTFG	SC-82AB	1.8	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B25NB-G	S-1323B25NB-N8KTFG	SC-82AB	2.5	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B30NB-G	S-1323B30NB-N8PTFG	SC-82AB	3.0	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B33NB-G	S-1323B33NB-N8STFG	SC-82AB	3.3	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32
628-1323B50NB-G	S-1323B50NB-N9JTFG	SC-82AB	5.0	0.500	150	+/- 1	70	6.5	.46	.42	.38	.32

S-L2980 Series

The S-L2980 series is a low dropout voltage regulator designed for use in battery powered devices and developed using CMOS technology. On-chip low on-resistance on-resistance transistor can provide low dropout voltage and large output current. A power-off switch ensures long battery life. Various types of output capacitors can be used in the S-L2980 series compared with the former CMOS voltage regulators. A small ceramic capacitor can also be used.

For quantities of 2000 and up, call for quote.

Surface Mount												
628-L2980A18MC-G	S-L2980A18MC-C6D-TF-G	SOT-23-5	1.8	0.160	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A25MC-G	S-L2980A25MC-C6K-TF-G	SOT-23-5	2.5	0.130	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A30MC-G	S-L2980A30MC-C6P-TF-G	SOT-23-5	3.0	0.120	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A33MC-G	S-L2980A33MC-C6S-TF-G	SOT-23-5	3.3	0.110	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A40MC-G	S-L2980A40MC-C6Z-TF-G	SOT-23-5	4.0	0.110	150	+/- 2	90	10	.51	.46	.41	.35
628-L2980A50MC-G	S-L2980A50MC-C7J-TF-G	SOT-23-5	5.0	0.110	150	+/- 2	90	10	.51	.46	.41	.35

SEIKO INSTRUMENTS PWM CONTROLLED STEP-UP SWITCHING REGULATORS

S-8330 Series

The S-8330 Series is a CMOS PWM control step-up switching regulator which mainly consists of a reference voltage source, an oscillation circuit, a power MOSFET and an error amplifier. The new output voltage can adjust by a built-in electronic volume circuit and is equipped with a shutdown function. It is a low current consumption device because of the CMOS structure. A step-up switching regulator can be constructed by externally connecting only a coil, a capacitor and a diode.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Maximum Duty Ratio (%)	Oscillation Frequency (kHz) (Typ.)	Current Consumption		Price Each		
						Operating (μA) (Typ.)	Shutdown (μA) (Max.)	1	100	500
Surface Mount										
628-8330A20FS-G	S-8330A20FS-T2-G	SSOP-8	2.0	72.0	180.0	100.0	1.0	1.76	1.58	1.41
628-8330A24FS-G	S-8330A24FS-T2-G	SSOP-8	2.4	72.0	180.0	100.0	1.0	1.76	1.58	1.41
628-8330A30FS-G	S-8330A30FS-T2-G	SSOP-8	3.0	72.0	180.0	100.0	1.0	1.76	1.58	1.41

SEIKO INSTRUMENTS PWM/PFM CONTROLLED STEP-UP SWITCHING REGULATOR/CONTROLLERS

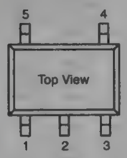
S-8341 Series

The S-8341 Series consists of CMOS step-up switching regulator/controllers with PWM/PFM switched control. These devices contain a reference voltage source, oscillation circuit, error amplifier, phase compensation circuit, PWM control circuit, and other components. Since the oscillation frequency is a high 600 kHz, with the addition of a small external component, the ICs can function as step-up switching regulators with high efficiency and large output current. The speed of the output stage is enhanced so that the Nch power MOS with a low ON resistance can be switched quickly. This device contains a PWM/PFM switching control circuit so that it operates using PWM control with a duty ratio of 27% or higher and using PFM control with a duty ratio of lower than 27% to ensure high efficiency in all load ranges. These ICs serve as ideal main power supply units for portable devices when coupled with the 8-pin TSSOP package and high oscillation frequencies.

For quantities of 1000 and up, call for quote.

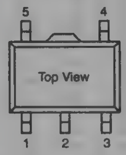
MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption		Price Each		
						Operating (μA) (Typ.)	Shutdown (μA) (Max.)	1	100	500
Surface Mount										
628-8341A30AF-G	S-8341A30AFT-T2-G	TSSOP-8	3.0	+/- 2.0 %	600.0	350.0	3.0	1.08	.97	.86
628-8341A33AF-G	S-8341A33AFT-T2-G	TSSOP-8	3.3	+/- 2.0 %	600.0	350.0	3.0	1.08	.97	.86
628-8341A50AF-G	S-8341A50AFT-T2-G	TSSOP-8	5.0	+/- 2.0 %	600.0	630.0	3.0	1.08	.97	.86

SOT-23-5



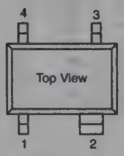
RoHS Compliant

SOT-89-5



RoHS Compliant

SC-82AB



RoHS Compliant

RoHS Compliant **This page of product is compliant.**

SII CONTROLLED STEP-UP SWITCHING REGULATORS

S-8351 Series, PFM

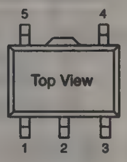
The S-8351 Series is a CMOS PFM-controlled step-up switching regulator that mainly consists of a reference voltage source, an oscillator, and a comparator. The PFM controller allows the duty ratio to be automatically switched according to the load (light load: 50%, high output current: 75%), enabling products with a low ripple over a wide range, high efficiency, and high output current. With the S-8351 Series, a step-up switching regulator can be configured by using an external coil, capacitor, and diode. The built-in MOSFET is turned off by a protection circuit when the voltage at the CONT pin exceeds the limit to prevent it from being damaged. This feature, along with the mini package and low current consumption, makes the S-8351 Series ideal for applications such as the power supply unit of portable equipment.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption		Price Each		
						Operating (μA) (Typ.)	Shutdown (μA) (Max.)	1	100	500
628-8351A30MC-G	S-8351A30MC-J2PT2G	SOT-23-5	3.0	+/- 2.4 %	100.0	23.2	0.5	.60	.54	.48
628-8351A33MC-G	S-8351A33MC-J2ST2G	SOT-23-5	3.3	+/- 2.4 %	100.0	23.2	0.5	.60	.54	.48
628-8351A50MC-G	S-8351A50MC-J3JT2G	SOT-23-5	5.0	+/- 2.4 %	100.0	42.1	0.5	.60	.54	.48

SOT-89-5



S-8353 Series, PWM

The S-8353 Series is a CMOS step-up switching regulator which mainly consists of a reference voltage source, an oscillation circuit, a power MOSFET, an error amplifier, a phase compensation circuit and a PWM controller. The step-up switching regulator can be configured simply by attaching a coil, capacitor, and diode externally. In addition to the above features, the small package and low power consumption of this series make it ideal for portable device applications requiring high efficiency. The S-8353 Series realizes low ripple, high efficiency, and excellent transient characteristics due to its PWM controller, which can vary the duty ratio linearly from 0% to 83% , optimally-designed error amplifier, and phase compensation circuits.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption		Price Each		
						Operating (μA) (Typ.)	Shutdown (μA) (Max.)	1	100	500
628-8353A27MC-G	S-8353A27MC-IQMT2G	SOT-23-5	2.7	+/- 2.4 %	50.0	13.3	0.5	.60	.54	.48
628-8353A50MC-G	S-8353A50MC-IRJT2G	SOT-23-5	5.0	+/- 2.4 %	50.0	31.0	0.5	.60	.54	.48

S-8354 Series, PWM/PFM

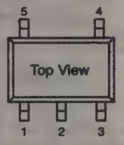
The S-8354 Series is a CMOS step-up switching regulator which mainly consists of a reference voltage source, an oscillation circuit, a power MOSFET, an error amplifier, a phase compensation circuit, and a PWM/PFM switching controller. The step-up switching regulator can be configured simply by attaching a coil, capacitor, and diode externally. In addition to the above features, the small package and low power consumption of this series make it ideal for portable device applications requiring high efficiency. The PWM/PFM switching controller that can switch the operation to a PFM controller with a duty ratio is 15% under a light load to prevent a decline in the efficiency due to the IC operating current.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption		Price Each		
						Operating (μA) (Typ.)	Shutdown (μA) (Max.)	1	100	500
628-8354H30MC-G	S-8354H30MC-JWPT2G	SOT-23-5	3.0	+/- 2.4 %	250.0	18.7	0.5	.60	.54	.48
628-8354A33MC-G	S-8354A33MC-JQST2G	SOT-23-5	3.3	+/- 2.4 %	50.0	18.7	0.5	.60	.54	.48
628-8354A50MC-G	S-8354A50MC-JRJT2G	SOT-23-5	5.0	+/- 2.4 %	50.0	31.0	0.5	.60	.54	.48

SOT-23-5



SII S-8460 SERIES, PWM CONTROLLED STEP-UP/STEP-DOWN SWITCHING REGULATOR/CONTROLLER

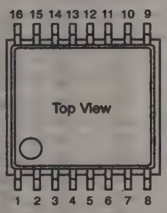
The S-8460 is a PWM controlled step-up and step-down switching regulator-controller consisting of an automatic-selection control circuit for step-up and step-down, a reference voltage source, an oscillation circuit, an error amplifier, a phase compensation CMOS circuit, etc. The automatic selection control circuit for step-up and step-down in PWM control realizes a high performance step-up and step-down switching regulator operating on one coil. Adopting N-channel power MOS transistors for external switches, in addition, enables high efficiency and high output current. It provides low-ripple output, high-efficiency and excellent transient characteristics which come from the PWM control circuit capable of varying the duty ratio linearly from 0%, the optimized error amplifier and the phase compensation circuit.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption		Price Each		
						Operating (μA) (Typ.)	Shutdown (μA) (Max.)	1	100	500
628-8460B00AF-G	S-8460B00AFT-TBG	TSSOP-16	3.3	78.0	300.0	900.0	2.0	2.78	2.50	2.22

TSSOP-16



SII S-8521 SERIES, PWM/PFM CONTROLLED STEP-DOWN SWITCHING REGULATOR/CONTROLLERS

The S-8521 Series consists of a CMOS step-down switching regulator/controllers with PWM/PFM-switched control. These devices contain a reference voltage source, oscillation circuit, error amplifier and other components. It works in either PWM control or PFM control and can switch from one to the other. It normally operates using PWM control with a duty ratio of 25% to 100%, but under a light load, it automatically switches to PFM control with a duty ratio of 25%. This ensures high efficiency over a wide range of conditions, from standby mode to operation of peripheral equipment. With the addition of an external P-Channel MOSFET or PNP transistor, a coil, capacitors and a diode connected externally, these can function as step-down switching regulators.

RoHS Compliant

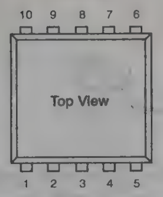
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Output Voltage Accuracy	Oscillation Frequency (kHz) (Typ.)	Current Consumption		Price Each		
						Operating (μA) (Typ.)	Shutdown (μA) (Max.)	1	100	500
628-8521A25MC-G	S-8521A25MC-AXKT2G	SOT-23-5	2.5	10.0	180.0	35.0	0.5	.76	.68	.61
628-8521A30MC-G	S-8521A30MC-AXPT2G	SOT-23-5	3.0	10.0	180.0	35.0	0.5	.76	.68	.61
628-8521A33MC-G	S-8521A33MC-AXST2G	SOT-23-5	3.3	10.0	180.0	35.0	0.5	.76	.68	.61
628-8521A50MC-G	S-8521A50MC-AYJT2G	SOT-23-5	5.0	10.0	180.0	35.0	0.5	.76	.68	.61

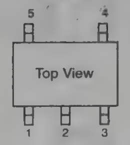
Power Management ICs and Voltage Regulators

RoHS Compliant **This page of product is compliant.**

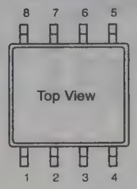
SON-10B



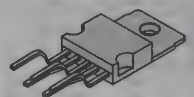
SC-88A



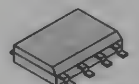
MSOP-8



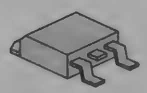
TO-220



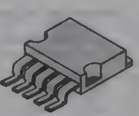
SO-8



TO-263



SC-63



SII ● S-8813 SERIES CHARGE PUMP DC-DC CONVERTER, SURFACE MOUNT

The S-8813 Series is a PFM controlled charge pump DC-DC converter with a built-in constant-current circuit, and was developed using CMOS technology. Its constant current output makes this series ideal as a power supply for current drive LEDs. The S-8813 Series features three output channels and can drive three LEDs. Since small ceramic capacitors can be used as external capacitors (pump capacitors, input capacitors, output capacitors), the S-8813 Series contributes to set miniaturization.

RoHS Compliant

- PFM control CMOS charge pump
- Built-in constant current circuit

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Input Volt Range (V)	Soft start time (ms)(typ)	Output Current Characteristics (mA)(typ)	Oscillation Frequency (kHz)(Typ)	Terminal Output Curr. Matching (%)	Price Each		
								1	100	500
628-881300CPE-G	S-881300CPE-IPATFG	SON-10B	2.7 to 4.5	1.5	0.5	600	+/- 1.0	1.58	1.42	1.26

SII ● S-89431 SERIES RAIL-TO-RAIL CMOS OPERATIONAL AMPLIFIERS, SURFACE MOUNT

The S-8943xA/B series are CMOS type operational amplifiers that feature Rail-to-Rail I/O and an internal phase compensation circuit. These features enable driving at a lower voltage (from 0.9V) and with lower current consumption (0.5 μA typ.) than existing general-purpose operational amplifiers, making the S-8943xA/B series ideal for use in battery-powered compact portable devices. The S-8943xA series is a single operational amplifier, with one circuit incorporated in the ultra-small SC-88A. The S-8943xB Series is a dual operational amplifier, with two circuits incorporated in the slim and small 8-pin MSOP package.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Single Dual Quad Triple	Input Offset Voltage (mV)(Max)	Input Bias Current (pA)(Typ)	Gain Bandwidth Product (kHz)(Typ)	Slew Rate (V/mS) (Typ)	Supply Voltage (V) (Max)	Supply Current (uA) (Max)	Temp. Range (°C)	Price Each		
											1	100	500
628-89431ACNC-G	S-89431ACNC-HBVTFG	SC-88A	Single	5.0	1.0	4.8	5.0	7.0	0.9	-40 to +85	.44	.40	.35

SII ● S-89110 SERIES LOW CURRENT CONSUMPTION CMOS OPERATIONAL AMPLIFIERS, SURFACE MOUNT

The mini-analog series mounts a general purpose analog circuit within a small package. The S-89110A is a CMOS type single operational amplifier having a phase compensation circuit, that can be driven by lower voltage with lower consumption current than former bipolar operational amplifiers. This makes it the optimum solution for small battery powered portable equipment.

RoHS Compliant

For quantities of 1000 and up, call for quote.

628-89110ANC-G	S-89110ANC-1A1TFG	SC-88A	Single	4.0	1.0	180.0	0.07	10.0	50.0	-40 to +85	.32	.29	.26

SII ● VOLTAGE COMPARATORS, SURFACE MOUNT

S-89531 Series

The mini analog series is a group of ICs that incorporates a general purpose analog circuit in an ultra-small packages. The S-89530A/89531A Series are CMOS type comparators that feature rail-to-rail input/out and can be driven at a lower voltage and with lower current consumption than existing comparators, making them ideal for use in battery-powered compact portable devices.

Features:

- Lower operating voltage than the conventional general purpose comparators: VDD = 1.8 to 5.5V
- Low current consumption: IDD = 50 uA
- Low input offset voltage: 4.0 mV (max)

Applications:

- Cellular phones
- Digital cameras
- PDAs
- Digital Video Cameras
- Notebook PCs

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Typ. (pA)	Rise Time Typ. (us)	Supply Currents		Operating Temperature Range (°C)	Price Each		
							Positive Typ/Max (us)	Negative Typ/Max (uA)		1	100	500
628-89531ACNC-G	S-89531ACNC-HCCTFG	SC-88A	Single	5.0	1.0	5.0	0.7/1.3	0.25/0.5	-40 to +85	.44	.40	.35

S-89210 Series

The mini-analog series is a group of ICs that incorporates a general purpose analog circuit in a small package. The S-89210A is a CMOS type comparator that has a phase compensation circuit, and that can be driven at a lower voltage with lower current consumption than existing bipolar comparators. These features make this product the ideal solution for small battery-powered portable equipment.

Features:

- Lower operating voltage than the conventional general purpose comparators: VDD = 1.8 to 5.5V
- Low current consumption: IDD = 50 uA
- Low input offset voltage: 4.0 mV (max)

Applications:

- Cellular phones
- Digital cameras
- PDAs
- Digital Video Cameras
- Notebook PCs

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Typ. (pA)	Rise Time Typ. (us)	Source Current Min. (uA)	Sink Current Min (mA)	Operating Temperature Range (°C)	Price Each		
										1	100	500
628-89210ACNC-G	S-89210ACNC-1C0TFG	SC-88A	Single	4.0	1.0	45.0	120.0	9	-40 to +85	.32	.29	.26

SHARP MICROELECTRONICS OF THE AMERICAS CHOPPER REGULATORS

RoHS Compliant

For quantities of 100 and up, call for quote.

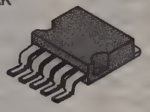
MOUSER STOCK NO.	Sharp Part No.	Package	Type	Frequency Oscillation	Input Voltage max.	Switching Current	Price Each			
							1	10	25	50
852-PQ1CG2032FZH	PQ1CG2032FZH	TO-220	Switching	70kHz	40V	3.5A	1.90	1.52	1.26	1.10
852-PQ1CG2032RZH	PQ1CG2032RZH	TO-220	Switching	70kHz	40V	3.5A	1.90	1.52	1.26	1.10
852-PQ1CG21H2FZH	PQ1CG21H2FZH	TO-220	Switching	100kHz	40V	1.5A	.95	.92	.88	.85
852-PQ1CG21H2RZH	PQ1CG21H2RZH	TO-220	Switching	100kHz	40V	1.5A	.90	.86	.83	.80
852-PQ1CG3032FZH	PQ1CG3032FZH	TO-220	Switching	150kHz	40V	3.5A	1.90	1.52	1.26	1.10
852-PQ1CG3032RZH	PQ1CG3032RZH	TO-220	Switching	150kHz	40V	3.5A	1.90	1.52	1.26	1.10
852-PQ1CG38M2FZH	PQ1CG38M2FZH	TO-220	Switching	300kHz	40V	0.8A	1.38	1.10	.91	.80
852-PQ1CG38M2RZH	PQ1CG38M2RZH	TO-220	Switching	300kHz	40V	0.8A	1.38	1.10	.91	.80
852-PQ1CG41H2FZH	PQ1CG41H2FZH	TO-220	Switching	300kHz	40V	1.5A	1.38	1.10	.91	.80
852-PQ1CG41H2RZH	PQ1CG41H2RZH	TO-220	Switching	300kHz	40V	1.5A	1.33	1.06	.88	.77
852-PQ1CX12H2ZPQ	PQ1CX12H2ZPQ	SO-8	Bootstrap	150kHz	33V	2.5A	1.33	1.28	1.24	1.19
852-PQ1CY1032ZPH	PQ1CY1032ZPH	TO-263	Switching	150kHz	40V	3.5A	2.50	2.20	1.99	1.49
852-PQ1CY1032ZZH	PQ1CY1032ZZH	TO-263	Switching	150kHz	40V	3.5A	2.10	1.68	1.39	1.22
852-PQ1CZ21H2ZPH	PQ1CZ21H2ZPH	SC-63	Switching	100kHz	40V	1.5A	1.08	1.04	1.00	.96
852-PQ1CZ21H2ZZH	PQ1CZ21H2ZZH	SC-63	Switching	100kHz	40V	1.5A	1.13	1.09	1.05	1.01
852-PQ1CZ38M2ZPH	PQ1CZ38M2ZPH	SC-63	Switching	300kHz	40V	0.8A	.69	.66	.64	.61
852-PQ1CZ38M2ZZH	PQ1CZ38M2ZZH	SC-63	Switching	300kHz	40V	0.8A	1.23	.98	.81	.71
852-PQ1CZ41H2ZPH	PQ1CZ41H2ZPH	SC-63	Switching	300kHz	40V	1.5A	1.80	1.59	1.29	1.09
852-PQ1CZ41H2ZZH	PQ1CZ41H2ZZH	SC-63	Switching	300kHz	40V	1.5A	1.38	1.10	.91	.80

SHARP MICROELECTRONICS OF THE AMERICAS LDO VOLTAGE REGULATORS

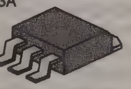
RoHS Compliant This page of product is compliant.

MOUSER STOCK NO.	Sharp Part No.	Package	Input	Input Voltage		Current	Price Each			
				Min (%)	Max (%)		1	10	25	50
852-PQ015YZ5MZPH	PQ015YZ5MZPH	SC-63	Adjustable	1.5V	7.0V	0.5A	.46	.45	.43	.41
852-PQ035ZN01ZPH	PQ035ZN01ZPH	SC-63	Adjustable	0.8V	3.5V	1A	.41	.39	.38	.36
852-PQ035ZN1HZPH	PQ035ZN1HZPH	SC-63	Adjustable	0.8V	3.5V	1.5A	.59	.57	.55	.53
852-PQ05VY053ZPH	PQ05VY053ZPH	TO-263	Adjustable	1.5V	5.0V	5A	1.43	1.38	1.33	1.28
852-PQ05VY3H3ZPH	PQ05VY3H3ZPH	TO-263	Adjustable	1.5V	5.0V	3.5A	2.40	1.92	1.59	1.39
852-PQ070VK01FZH	PQ070VK01FZH	TO-220	Adjustable	1.5V	7.0V	1A	1.13	.94	.75	.61
852-PQ070VK02FZH	PQ070VK02FZH	TO-220	Adjustable	1.5V	7.0V	2A	.74	.72	.69	.66
852-PQ070XF01SZH	PQ070XF01SZH	TO-220	Adjustable	1.5V	7.0V	1A	.86	.72	.57	.46
852-PQ070XF02SZH	PQ070XF02SZH	TO-220	Adjustable	1.5V	7.0V	2A	1.19	.99	.79	.64
852-PQ070XH01ZPH	PQ070XH01ZPH	TO-263	Adjustable	1.5V	7.0V	1A	1.13	.94	.75	.61
852-PQ070XH02ZPH	PQ070XH02ZPH	TO-263	Adjustable	1.5V	7.0V	2A	1.33	1.06	.88	.77
852-PQ070XNA1ZPH	PQ070XNA1ZPH	SC-63	Adjustable	1.5V	7.0V	1A	.56	.54	.52	.50
852-PQ070XZ02ZPH	PQ070XZ02ZPH	SC-63	Adjustable	1.5V	7.0V	2A	1.18	.94	.78	.68
852-PQ070XZ1HZPH	PQ070XZ1HZPH	SC-63	Adjustable	1.5V	7.0V	1.5A	.67	.65	.62	.60
852-PQ070XZ5MZPH	PQ070XZ5MZPH	SC-63	Adjustable	1.5V	7.0V	0.5A	.56	.54	.52	.50
852-PQ07VR5MAZPH	PQ07VR5MAZPH	SC-63	Adjustable	1.5V	7.0V	0.5A	.97	.81	.64	.52
852-PQ07VZ012ZPH	PQ07VZ012ZPH	SC-63	Adjustable	1.5V	7.0V	1A	.67	.65	.62	.60
852-PQ07VZ5M2ZPH	PQ07VZ5M2ZPH	SC-63	Adjustable	1.5V	7.0V	0.5A	1.25	1.00	.83	.73
852-PQ150VB01FZH	PQ150VB01FZH	TO-220	Adjustable	1.5V	15.0V	1A	.64	.62	.60	.58
852-PQ150VB02FZH	PQ150VB02FZH	TO-220	Adjustable	1.5V	15.0V	2A	1.25	1.00	.83	.73
852-PQ15RW08J00H	PQ15RW08J00H	TO-220	Adjustable	3.5V	15.0V	0.8A	1.08	.90	.71	.58
852-PQ15RW11J00H	PQ15RW11J00H	TO-220	Adjustable	3.5V	15.0V	1A	1.08	.90	.71	.58
852-PQ15RW1BJ00H	PQ15RW1BJ00H	TO-220	Adjustable	3.5V	15.0V	1A	.63	.61	.59	.56
852-PQ15RW21J00H	PQ15RW21J00H	TO-220	Adjustable	3.5V	15.0V	2A	1.45	1.16	.96	.84
852-PQ1MX55M2SPQ	PQ1MX55M2SPQ	SOT-89	Adjustable	1.3V	5.0V	0.5A	.49	.40	.32	.26
852-PQ200WNA1ZPH	PQ200WNA1ZPH	SC-63	Adjustable	3.0V	20.0V	1A	.73	.61	.48	.39
852-PQ20RX05J00H	PQ20RX05J00H	TO-220	Adjustable	3.0V	20.0V	0.5A	1.15	.92	.76	.67
852-PQ20RX11J00H	PQ20RX11J00H	TO-220	Adjustable	3.0V	20.0V	1A	1.20	.96	.80	.70
852-PQ7DV10BJ00H	PQ7DV10BJ00H	TO-3P	Adjustable	1.5V	7.0V	10A	6.10	5.34	4.30	4.19
852-PQ7DV10J000H	PQ7DV10J000H	TO-3P	Adjustable	1.5V	7.0V	10A	4.34	4.19	4.03	3.88
852-PQ7DV5J0000H	PQ7DV5J0000H	TO-220	Adjustable	1.5V	7.0V	5A	4.08	3.57	2.88	2.81
852-PQ7RV4J0000H	PQ7RV4J0000H	TO-220	Adjustable	1.5V	7.0V	4A	1.90	1.84	1.77	1.70
852-PQ008GN01ZPH	PQ008GN01ZPH	SC-63	Fixed	-	0.8V	1A	.39	.38	.36	.35
852-PQ010GN01ZPH	PQ010GN01ZPH	SC-63	Fixed	-	1.0V	1A	.39	.38	.36	.35
852-PQ012FZ5MZPH	PQ012FZ5MZPH	SC-63	Fixed	-	1.2V	0.5A	.89	.74	.59	.48
852-PQ012GN01ZPH	PQ012GN01ZPH	SC-63	Fixed	-	1.2V	1A	.39	.38	.36	.35
852-PQ015EF01SZH	PQ015EF01SZH	TO-220	Fixed	-	1.5V	1A	.86	.72	.57	.46
852-PQ015EF02SZH	PQ015EF02SZH	TO-220	Fixed	-	1.5V	2A	1.19	.99	.79	.64
852-PQ015EH01ZPH	PQ015EH01ZPH	TO-263	Fixed	-	1.5V	1A	.59	.57	.55	.53
852-PQ015EH02ZPH	PQ015EH02ZPH	TO-263	Fixed	-	1.5V	2A	.74	.72	.69	.66
852-PQ015ENA1ZPH	PQ015ENA1ZPH	SC-63	Fixed	-	1.5V	1A	.56	.54	.52	.50
852-PQ015EZ02ZPH	PQ015EZ02ZPH	SC-63	Fixed	-	1.5V	2A	.69	.66	.64	.61
852-PQ015EZ1HZPH	PQ015EZ1HZPH	SC-63	Fixed	-	1.5V	1.5A	1.20	.96	.80	.70
852-PQ015Y053ZPH	PQ015Y053ZPH	TO-263	Fixed	-	1.5V	5A	2.55	2.04	1.69	1.48
852-PQ015Y3H3ZPH	PQ015Y3H3ZPH	TO-263	Fixed	-	1.5V	3.5A	1.33	1.28	1.24	1.19
852-PQ018EF01SZH	PQ018EF01SZH	TO-220	Fixed	-	1.8V	1A	.86	.72	.57	.46
852-PQ018EF02SZH	PQ018EF02SZH	TO-220	Fixed	-	1.8V	2A	1.19	.99	.79	.64
852-PQ018EH01ZPH	PQ018EH01ZPH	TO-263	Fixed	-	1.8V	1A	.59	.57	.55	.53
852-PQ018EH02ZPH	PQ018EH02ZPH	TO-263	Fixed	-	1.8V	2A	1.33	1.06	.88	.77
852-PQ018EN5MZPH	PQ018EN5MZPH	TO-263	Fixed	-	1.8V	0.5A	1.03	.85	.68	.55
852-PQ018ENA1ZPH	PQ018ENA1ZPH	SC-63	Fixed	-	1.8V	1A	1.08	.90	.71	.58
852-PQ018EZ02ZPH	PQ018EZ02ZPH	SC-63	Fixed	-	1.8V	2A	1.18	.94	.78	.68
852-PQ018EZ1HZPH	PQ018EZ1HZPH	SC-63	Fixed	-	1.8V	1.5A	1.20	.96	.80	.70
852-PQ025EF01SZH	PQ025EF01SZH	TO-220	Fixed	-	2.5V	1A	.86	.72	.57	.46
852-PQ025EF02SZH	PQ025EF02SZH	TO-220	Fixed	-	2.5V	2A	1.19	.99	.79	.64
852-PQ025EH01ZPH	PQ025EH01ZPH	TO-263	Fixed	-	2.5V	1A	1.13	.94	.75	.61
852-PQ025EH02ZPH	PQ025EH02ZPH	TO-263	Fixed	-	2.5V	2A	1.33	1.06	.88	.77
852-PQ025EN5MZPH	PQ025EN5MZPH	SC-63	Fixed	-	2.5V	0.5A	.53	.51	.49	.48
852-PQ025ENA1ZPH	PQ025ENA1ZPH	SC-63	Fixed	-	2.5V	1A	1.30	1.20	.99	.67
852-PQ025EZ02ZPH	PQ025EZ02ZPH	SC-63	Fixed	-	2.5V	2A	1.18	.94	.78	.68
852-PQ025EZ1HZPH	PQ025EZ1HZPH	SC-63	Fixed	-	2.5V	1.5A	.67	.65	.62	.60
852-PQ025Y053ZPH	PQ025Y053ZPH	TO-263	Fixed	-	2.5V	5A	2.55	2.04	1.69	1.48
852-PQ025Y3H3ZPH	PQ025Y3H3ZPH	TO-263	Fixed	-	2.5V	3.5A	1.33	1.28	1.24	1.19
852-PQ030EN5MZPH	PQ030EN5MZPH	SC-63	Fixed	-	3.0V	0.5A	.53	.51	.49	.48
852-PQ033DNA1ZPH	PQ033DNA1ZPH	SC-63	Fixed	-	3.3V	1A	.57	.47	.38	.31
852-PQ033EF01SZH	PQ033EF01SZH	TO-220	Fixed	-	3.3V	1A	.86	.72	.57	.46
852-PQ033EF02SZH	PQ033EF02SZH	TO-220	Fixed	-	3.3V	2A	1.19	.99	.79	.64
852-PQ033EN5MZPH	PQ033EN5MZPH	SC-63	Fixed	-	3.3V	0.5A	.53	.51	.49	.48
852-PQ033ENA1ZPH	PQ033ENA1ZPH	SC-63	Fixed	-	3.3V	1A	1.08	.90	.71	.58
852-PQ033ES1MXPQ	PQ033ES1MXPQ	TO-92	Fixed	-	3.3V	0.15A	.43	.36	.29	.23
852-PQ033ES3MXPQ	PQ033ES3MXPQ	TO-92	Fixed	-	3.3V	0.3A	.46	.38	.30	.25
852-PQ033EZ1HZPH	PQ033EZ1HZPH	SC-63	Fixed	-	3.3V	1.5A	.67	.65	.62	.60
852-PQ033Y053ZPH	PQ033Y053ZPH	TO-263	Fixed	-	3.3V	5A	2.55	2.04	1.69	1.48
852-PQ033Y3H3ZPH	PQ033Y3H3ZPH	TO-263	Fixed	-	3.3V	3.5A	2.38	1.90	1.58	1.38
852-PQ050DNA1ZPH	PQ050DNA1ZPH	SC-63	Fixed	-	5.0V	1A	.57	.47	.38	.31

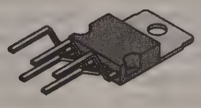
PPAK



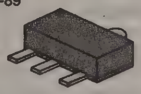
TO-263A



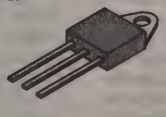
TO-220



SOT-89



TO-3P



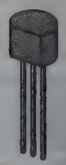
RoHS Compliant This page of product is compliant.

SHARP MICROELECTRONICS OF THE AMERICAS

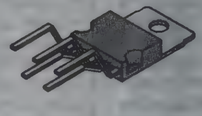
LDO VOLTAGE REGULATORS (CONT.)

MOUSER STOCK NO.	Sharp Part No.	Pkg.	Input	Input Voltage		Current	Price Each			
				Min (%)	Max (%)		1	10	25	50
852-PQ050ES1MXPQ	PQ050ES1MXPQ	TO-92	Fixed	-	5.0V	0.15A	.43	.36	.29	.23
852-PQ050ES3MXPQ	PQ050ES3MXPQ	TO-92	Fixed	-	5.0V	0.3A	.46	.38	.30	.25
852-PQ050RDA1MZH	PQ050RDA1MZH	TO-220	Fixed	-	5.0V	1A	.41	.39	.38	.36
852-PQ050RDA1SZH	PQ050RDA1SZH	TO-220	Fixed	-	5.0V	1A	.73	.61	.48	.39
852-PQ05RD21J00H	PQ05RD21J00H	TO-220	Fixed	-	5.0V	2A	1.43	1.14	.95	.83
852-PQ080DNA1ZPH	PQ080DNA1ZPH	SC-63	Fixed	-	8.0V	1A	.57	.47	.38	.31
852-PQ080RDA1SZH	PQ080RDA1SZH	TO220	Fixed	-	8.0V	1A	.73	.61	.48	.39
852-PQ090DNA1ZPH	PQ090DNA1ZPH	SC-63	Fixed	-	9.0V	1A	.57	.47	.38	.31
852-PQ090RDA1SZH	PQ090RDA1SZH	TO-220	Fixed	-	9.0V	1A	.73	.61	.48	.39
852-PQ120DNA1ZPH	PQ120DNA1ZPH	SC-63	Fixed	-	12.0V	1A	.57	.47	.38	.31
852-PQ120RDA1SZH	PQ120RDA1SZH	TO-220	Fixed	-	12.0V	1A	.73	.61	.48	.39
852-PQ12RD8SJ00H	PQ12RD8SJ00H	TO-220	Fixed	-	12.0V	0.8A	.86	.72	.57	.46
852-PQ1KA153MZPH	PQ1KA153MZPH	SOT-23	Fixed	-	1.5V	0.3A	.21	.20	.20	.19
852-PQ1KA183MZPH	PQ1KA183MZPH	SOT-23	Fixed	-	1.8V	0.3A	.41	.34	.27	.22
852-PQ1KA213MZPH	PQ1KA213MZPH	SOT-23	Fixed	-	2.1V	0.3A	.41	.34	.27	.22
852-PQ1KA253MZPH	PQ1KA253MZPH	SOT-23	Fixed	-	2.5V	0.3A	.21	.20	.20	.19
852-PQ1KA303MZPH	PQ1KA303MZPH	SOT-23	Fixed	-	3.0V	0.3A	.41	.34	.27	.22
852-PQ1KA333MZPH	PQ1KA333MZPH	SOT-23	Fixed	-	3.3V	0.3A	.41	.34	.27	.22
852-PQ1KA343MZPH	PQ1KA343MZPH	SOT-23	Fixed	-	3.4V	0.3A	.41	.34	.27	.22
852-PQ1KA353MZPH	PQ1KA353MZPH	SOT-23	Fixed	-	3.5V	0.3A	.41	.34	.27	.22
852-PQ1KA423MZPH	PQ1KA423MZPH	SOT-23	Fixed	-	4.2V	0.3A	.41	.34	.27	.22
852-PQ1KA503MZPH	PQ1KA503MZPH	SOT-23	Fixed	-	5.0V	0.3A	.41	.34	.27	.22
852-PQ1KA903MZPH	PQ1KA903MZPH	SOT-23	Fixed	-	9.0V	0.3A	.21	.20	.20	.19
852-PQ1LA153MSPQ	PQ1LA153MSPQ	SOT-89	Fixed	-	1.5V	0.3A	.20	.20	.19	.18
852-PQ1LA183MSPQ	PQ1LA183MSPQ	SOT-89	Fixed	-	1.8V	0.3A	.39	.33	.26	.21
852-PQ1LA253MSPQ	PQ1LA253MSPQ	SOT-89	Fixed	-	2.5V	0.3A	.39	.33	.26	.21
852-PQ1LA303MSPQ	PQ1LA303MSPQ	SOT-89	Fixed	-	3.0V	0.3A	.39	.33	.26	.21
852-PQ1LA333MSPQ	PQ1LA333MSPQ	SOT-89	Fixed	-	3.3V	0.3A	.39	.33	.26	.21
852-PQ1LA503MSPQ	PQ1LA503MSPQ	SOT-89	Fixed	-	5.0V	0.3A	.39	.33	.26	.21
852-PQ1LA903MSPQ	PQ1LA903MSPQ	SOT-89	Fixed	-	5.0V	0.3A	.39	.33	.26	.21
852-PQ1M185M2SPQ	PQ1M185M2SPQ	SOT-89	Fixed	-	1.8V	0.5A	.49	.40	.32	.26
852-PQ1M255M2SPQ	PQ1M255M2SPQ	SOT-89	Fixed	-	2.5V	0.5A	.25	.24	.23	.23
852-PQ1M335M2SPQ	PQ1M335M2SPQ	SOT-89	Fixed	-	3.3V	0.5A	.49	.40	.32	.26
852-PQ1M505M2SPQ	PQ1M505M2SPQ	SOT-89	Fixed	-	5.0V	0.5A	.49	.40	.32	.26
852-PQ1N253MASPQ	PQ1N253MASPQ	SOT-89	Fixed	-	2.5V	0.35A	.51	.43	.34	.28
852-PQ1N333MASPQ	PQ1N333MASPQ	SOT-89	Fixed	-	3.3V	0.35A	.27	.26	.25	.24
852-PQ1U181M2ZPH	PQ1U181M2ZPH	SOT-23-5	Fixed	-	1.8V	0.18A	.49	.40	.32	.26
852-PQ1U201M2ZPH	PQ1U201M2ZPH	SOT-23-5	Fixed	-	2.0V	0.18A	.49	.40	.32	.26
852-PQ1U221M2ZPH	PQ1U221M2ZPH	SOT-23-5	Fixed	-	2.2V	0.18A	.49	.40	.32	.26
852-PQ1U231M2ZPH	PQ1U231M2ZPH	SOT-23-5	Fixed	-	2.3V	0.18A	.49	.40	.32	.26
852-PQ1U271M2ZPH	PQ1U271M2ZPH	SOT-23-5	Fixed	-	2.7V	0.18A	.49	.40	.32	.26
852-PQ1U281M2ZPH	PQ1U281M2ZPH	SOT-23-5	Fixed	-	2.8V	0.18A	.25	.24	.23	.23
852-PQ1U291M2ZPH	PQ1U291M2ZPH	SOT-23-5	Fixed	-	2.9V	0.18A	.49	.40	.32	.26
852-PQ1U301M2ZPH	PQ1U301M2ZPH	SOT-23-5	Fixed	-	3.0V	0.18A	.25	.24	.23	.23
852-PQ1U311M2ZPH	PQ1U311M2ZPH	SOT-23-5	Fixed	-	3.1V	0.18A	.49	.40	.32	.26
852-PQ1U321M2ZPH	PQ1U321M2ZPH	SOT-23-5	Fixed	-	3.2V	0.18A	.49	.40	.32	.26
852-PQ1U331M2ZPH	PQ1U331M2ZPH	SOT-23-5	Fixed	-	3.3V	0.18A	.49	.40	.32	.26
852-PQ1U341M2ZPH	PQ1U341M2ZPH	SOT-23-5	Fixed	-	3.4V	0.18A	.49	.40	.32	.26
852-PQ1U351M2ZPH	PQ1U351M2ZPH	SOT-23-5	Fixed	-	3.5V	0.18A	.49	.40	.32	.26
852-PQ1U361M2ZPH	PQ1U361M2ZPH	SOT-23-5	Fixed	-	3.6V	0.18A	.49	.40	.32	.26
852-PQ1U381M2ZPH	PQ1U381M2ZPH	SOT-23-5	Fixed	-	3.8V	0.18A	.49	.40	.32	.26
852-PQ1U401M2ZPH	PQ1U401M2ZPH	SOT-23-5	Fixed	-	4.0V	0.18A	.49	.40	.32	.26
852-PQ1U441M2ZPH	PQ1U441M2ZPH	SOT-23-5	Fixed	-	4.4V	0.18A	.49	.40	.32	.26
852-PQ1U471M2ZPH	PQ1U471M2ZPH	SOT-23-5	Fixed	-	4.7V	0.18A	.49	.40	.32	.26
852-PQ1U491M2ZPH	PQ1U491M2ZPH	SOT-23-5	Fixed	-	4.9V	0.18A	.49	.40	.32	.26
852-PQ1U501M2ZPH	PQ1U501M2ZPH	SOT-23-5	Fixed	-	5.0V	0.18A	.49	.40	.32	.26
852-PQ1U521M2ZPH	PQ1U521M2ZPH	SOT-23-5	Fixed	-	5.2V	0.18A	.49	.40	.32	.26
852-PQ1X251M2ZPH	PQ1X251M2ZPH	SOT-23-5	Fixed	-	2.5V	0.18A	.21	.20	.20	.19
852-PQ1X281M2ZPH	PQ1X281M2ZPH	SOT-23-5	Fixed	-	2.8V	0.18A	.21	.20	.20	.19
852-PQ1X291M2ZPH	PQ1X291M2ZPH	SOT-23-5	Fixed	-	2.9V	0.18A	.21	.20	.20	.19
852-PQ1X301M2ZPH	PQ1X301M2ZPH	SOT-23-5	Fixed	-	3.0V	0.18A	.41	.34	.27	.22
852-PQ1X331M2ZPH	PQ1X331M2ZPH	SOT-23-5	Fixed	-	3.3V	0.18A	.41	.34	.27	.22
852-PQ1X361M2ZPH	PQ1X361M2ZPH	SOT-23-5	Fixed	-	3.6V	0.18A	.41	.34	.27	.22
852-PQ1X381M2ZPH	PQ1X381M2ZPH	SOT-23-5	Fixed	-	3.8V	0.18A	.41	.34	.27	.22
852-PQ1X401M2ZPH	PQ1X401M2ZPH	SOT-23-5	Fixed	-	4.0V	0.18A	.41	.34	.27	.22
852-PQ1X421M2ZPH	PQ1X421M2ZPH	SOT-23-5	Fixed	-	4.2V	0.18A	.41	.34	.27	.22
852-PQ1X451M2ZPH	PQ1X451M2ZPH	SOT-23-5	Fixed	-	4.5V	0.18A	.41	.34	.27	.22
852-PQ1X501M2ZPH	PQ1X501M2ZPH	SOT-23-5	Fixed	-	5.0V	0.18A	.41	.34	.27	.22
852-PQ3RD083J00H	PQ3RD083J00H	TO-220	Fixed	-	3.3V	0.8A	1.08	.90	.71	.58
852-PQ3RD13BJ00H	PQ3RD13BJ00H	TO-220	Fixed	-	3.3V	1A	1.16	.96	.77	.62
852-PQ3RD13J000H	PQ3RD13J000H	TO-220	Fixed	-	3.3V	1A	1.08	.90	.71	.58
852-PQ3RD23J000H	PQ3RD23J000H	TO-220	Fixed	-	3.3V	2A	1.43	1.14	.95	.83
852-PQ3RF33J000H	PQ3RF33J000H	TO-220	Fixed	-	3.3V	3A	2.83	2.26	1.88	1.64
852-PQ5EV3J0000H	PQ5EV3J0000H	TO-220	Fixed	-	5.0V	3A	2.38	1.90	1.58	1.38
852-PQ5EV5J0000H	PQ5EV5J0000H	TO-220	Fixed	-	5.0V	5A	2.55	2.04	1.69	1.48
852-PQ5EV7J0000H	PQ5EV7J0000H	TO-220	Fixed	-	5.0V	7A	2.85	2.28	1.89	1.65
852-PQ5EV7LJ000H	PQ5EV7LJ000H	TO-220	Fixed	-	5.0V	7A	2.90	2.32	1.93	1.68
852-PQ6RD083J00H	PQ6RD083J00H	TO-220	Fixed	-	6.3V	0.8A	.56	.54	.52	.50
852-PQ6RD83BJ00H	PQ6RD83BJ00H	TO-220	Fixed	-	6.3V	0.8A	1.11	.92	.73	.60

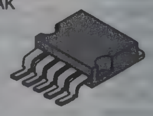
TO-92



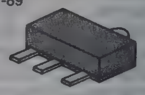
TO-220



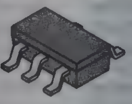
PPAK



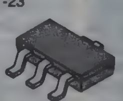
SOT-89



SOT-23-5



SOT-23

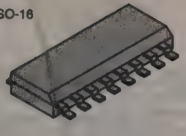


STMICROELECTRONICS Power Management ICs

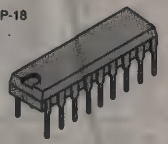
Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMicroelectronics

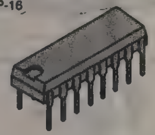
SO-16



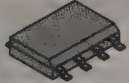
DIP-18



PWRDIP-12+2+2
DIP-16

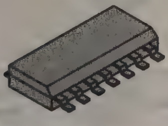


SO-8

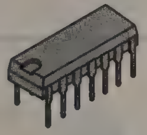


DIP-8

SO-14



DIP-14



SOT-23-5L

TSSOP-14

STMICROELECTRONICS DARLINGTON ARRAYS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Output Voltage (V)	Output Leakage Current		Temperature Range (°C)	VCE (SAT)		Price Each		
					Max (uA)	VCE (V)		Max (V)	@IC (A)	1	10	100
Surface Mount												
511-ULN2004D1013TR	ULN2004D13TR	SO-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.95	.56	.38
511-ULQ2003D1013TR	ULQ2003D13TR	SO-16	Seven NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	1.01	.67	.44
Thru Hole												
511-L603C	L603C	DIP-18	Eight NPN darlington pairs	90	10	90	-20 to +150	2	0.3	1.55	1.53	1.41
511-E-ULN2001A	E-ULN2001A	DIP-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.61	.48	.38
511-E-ULN2002A	E-ULN2002A	DIP-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.61	.48	.38
511-ULN2003A	ULN2003A	DIP-16	Seven NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.43	.40	.36
511-ULN2004A	E-ULN2004A	DIP-16	Seven NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.43	.40	.36
511-ULN2064B	ULN2064B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	1.89	1.86	1.71
511-ULN2065B	ULN2065B	PWRDIP-12+2+2	Four NPN darlington switches	80	100	80	-20 to +85	1.5	1.5	1.89	1.86	1.71
511-ULN2068B	ULN2068B	PWRDIP-12+2+2	Four NPN darlington switches	50	100	50	-20 to +85	1.4	1.25	1.89	1.86	1.71
511-E-ULN2069B	E-ULN2069B	PWRDIP-12+2+2	Four NPN darlington switches	80	100	80	-20 to +85	1.5	1.5	1.89	1.86	1.71
511-ULN2801A	ULN2801A	DIP-18	Eight NPN darlington pairs	50	50	50	-20 to +85	1.6	0.35	.56	.55	.51
511-ULN2802A	ULN2802A	DIP-18	Eight NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.56	.55	.51
511-ULN2804A	ULN2804A	DIP-18	Eight NPN darlington pairs	50	500	50	-20 to +85	1.6	0.35	.56	.55	.51
511-E-ULQ2003A	E-ULQ2003A	DIP-16	Seven NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	.62	.49	.43
511-E-ULQ2803A	E-ULQ2803A	DIP-18	Eight NPN darlington pairs	50	50	50	-40 to +105	1.1	0.1	.80	.78	.72

STMICROELECTRONICS GENERAL PURPOSE VOLTAGE COMPARATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Max (nA)	Response Time Typ (ns)	Supply Currents		Operating Temperature Range (°C)	Price Each		
							Positive Typ/Max (mA)	Negative Typ/Max (mA)		1	10	100
Surface Mount												
511-LM211D	LM211D	SO-8	S	3	100	200	5.1/6.0	4.1/5.0	- 40 to + 105	.35	.32	.29
511-LM311D	LM311D	SO-8	S	7.5	250	200	5.1/7.5	4.1/5.0	- 65 to +150	.27	.25	.22
Thru Hole												
511-LM211N	LM211N	DIP-8	S	3	100	200	5.1/6.0	4.1/5.0	- 40 to + 105	.29	.27	.24
511-LM311N	LM311N	DIP-8	S	7.5	250	200	5.1/7.5	4.1/5.0	- 65 to +150	.18	.16	.15

STMICROELECTRONICS HIGH SPEED VOLTAGE COMPARATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Max (nA)	Response Time Typ (ns)	Supply Currents		Operating Temperature Range (°C)	Price Each		
							Positive Typ/Max (mA)	Negative Typ/Max (mA)		1	10	100
Surface Mount												
511-LM219D	LM219D	SO-14	D	4	500	80	8.0/11.5	3.0/4.5	- 40 to + 105	.84	.82	.76
511-LM319D	LM319D	SO-14	D	8	1000	80	8.0/12.5	3.0/5.0	0 to + 70	.78	.77	.71
Thru Hole												
511-LM319N	LM319N	DIP-14	D	8	1000	80	8.0/12.5	3.0/5.0	0 to + 70	.47	.43	.40

STMICROELECTRONICS LOW POWER VOLTAGE COMPARATORS

For quantities of 250 and up, call for quote.

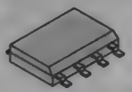
MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Voltage Max (mV)	Input Bias Current Max (nA)	Response Time Typ (ns)	Supply Currents		Operating Temperature Range (°C)	Price Each		
							Positive Typ/Max (mA)	Negative Typ/Max (mA)		1	10	100
Surface Mount												
511-LM239AD	LM239AD	SO-14	Q	2	100	1300	1.3/2.5	----/----	- 40 to + 105	.35	.32	.29
511-LM339AD	LM339AD	SO-14	Q	2	100	1300	1.3/2.5	----/----	0 to + 70	.41	.38	.34
511-LM239D	LM239D	SO-14	Q	5	250	1300	1.3/2.5	----/----	- 40 to + 105	.35	.32	.29
511-LM239P	LM239PT	TSSOP-14	Q	5	250	1300	1.3/2.5	----/----	- 40 to + 105	.27	.25	.22
511-LM339D	LM339D	SO-14	Q	5	250	1300	1.3/2.5	----/----	0 to + 70	.27	.25	.22
511-LM339P	LM339PT	TSSOP-14	Q	5	250	1300	1.3/2.5	----/----	0 to + 70	.21	.19	.17
511-TS391IL	TS391ILT	SOT-23-5L	S	5	250	1300	0.2/0.5	----/----	- 40 to + 125	.39	.36	.33
511-LM293ADT	LM293ADT	SO-8	D	5	250	1300	0.4/1.0	----/----	- 40 to + 105	.45	.41	.38
511-LM293D	LM293D	SO-8	D	5	250	1300	0.4/1.0	----/----	- 40 to + 105	.33	.30	.28
511-LM393ADT	LM393ADT	SO-8	D	5	250	1300	0.4/1.0	----/----	0 to + 70	.41	.38	.34
511-LM393D	LM393D	SO-8	D	5	250	1300	0.4/1.0	----/----	0 to + 70	.27	.25	.22
511-LM2901D	LM2901D	SO-14	Q	7	250	1300	1.1/2.0	----/----	- 40 to + 125	.33	.30	.28
511-LM2901P	LM2901PT	TSSOP-14	Q	7	250	1300	1.1/2.0	----/----	- 40 to + 125	.41	.38	.34
511-LM2903D	LM2903D	SO-8	D	7	250	1300	0.4/1.0	----/----	- 40 to + 125	.33	.30	.28
Thru Hole												
511-LM239AN	LM239AN	DIP-14	Q	2	100	1300	1.1/2.0	----/----	- 40 to + 105	.49	.45	.41
511-LM339AN	LM339AN	DIP-14	Q	2	100	1300	1.3/2.5	----/----	0 to + 70	.23	.21	.19
511-LM239N	LM239N	DIP-14	Q	5	250	1300	1.3/2.5	----/----	- 40 to + 105	.23	.21	.19
511-LM339N	LM339N	DIP-14	Q	5	250	1300	1.3/2.5	----/----	0 to + 70	.18	.16	.15
511-LM293N	LM293N	DIP-8	D	5	250	1300	0.4/1.0	----/----	- 40 to + 105	.23	.21	.19
511-LM393N	LM393N	DIP-8	D	5	250	1300	0.4/1.0	----/----	0 to + 70	.18	.16	.15
511-LM2901N	LM2901N	DIP-14	Q	7	250	1300	1.1/2.0	----/----	- 40 to + 125	.19	.17	.16
511-LM2903N	LM2903N	DIP-8	D	7	250	1300	0.4/1.0	----/----	- 40 to + 125	.13	.12	.10

STMICROELECTRONICS Power Management ICs

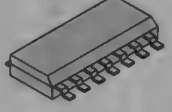
STMicroelectronics

Products may be RoHS compliant.
Check mouser.com for RoHS status.

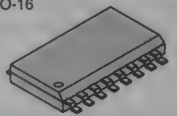
SO-8



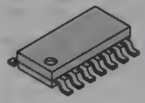
SO-14



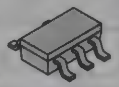
SO-16



TSSOP-14

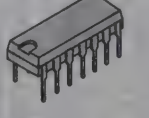


SOT-23-5L

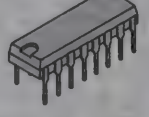


DIP-8

DIP-14



DIP-16



STMICROELECTRONICS MICROPOWER VOLTAGE COMPARATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Single Dual Quad	Input Offset Volt. Max (mV)	Input Bias Current Max (nA)	Response Time Typ (ns)	Supply Currents Typ/Max (mA)		Operating Temperature Range (°C)	Price Each		
							Positive	Negative		1	10	100
Surface Mount												
511-TS3704IP	TS3704IPT	TSSOP-14	Q	5	0.6	0.12	0.036/.08	---/---	- 40 to + 125	**.58**	**.57**	**.53**
511-TS393CD	TS393CD	SO-8	D	5	0.6	0.15	0.02/0.04	---/---	0 to + 70	**.58**	**.57**	**.53**
511-TS393ID	TS393ID	SO-8	D	5	0.6	0.15	0.02/0.04	---/---	- 40 to + 125	**.74**	**.73**	**.67**
511-TS3702CD	TS3702CD	SO-8	D	5	0.6	0.15	0.018/.04	---/---	0 to + 70	**.58**	**.57**	**.53**
511-TS3702ID	TS3702ID	SO-8	D	5	0.6	0.15	0.018/.04	---/---	- 40 to + 125	**.74**	**.73**	**.67**
511-TS339CP	TS339CPT	TSSOP-14	Q	5	0.6	1500	0.009/0.02	---/---	- 40 to + 125	**.33**	**.30**	**.28**
511-TS339ID	TS339ID	SO-14	Q	5	0.6	1500	0.036/0.08	---/---	- 40 to + 125	**1.01**	**1.00**	**.92**
511-TS861AIL	TS861AILT	SOT-23-5L	S	7	0.3	500	.006/.012	---/---	- 40 to + 85	**.70**	**.69**	**.63**
511-TS861IL	TS861ILT	SOT-23-5L	S	7	0.3	500	.006/.012	---/---	- 40 to + 85	**.62**	**.61**	**.56**
Thru Hole												
511-TS3704CN	TS3704CN	DIP-14	Q	5	0.6	0.12	0.036/.08	---/---	0 to + 70	**.44**	**.41**	**.37**
511-TS393CN	TS393CN	DIP-8	D	5	0.6	0.15	0.02/0.04	---/---	0 to + 70	**.58**	**.57**	**.53**
511-TS3702IN	TS3702IN	DIP-8	D	5	0.6	0.15	0.018/.04	---/---	- 40 to + 125	**.56**	**.55**	**.51**
511-TS861AIN	TS861AIN	DIP-8	S	7	0.3	500	.006/.012	---/---	- 40 to + 85	**.70**	**.69**	**.63**

STMICROELECTRONICS POWER FACTOR CORRECTORS

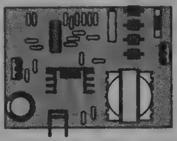
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage Min/Max (V)	Supply Curr. Nom. (mA)	Set Curr. Error Max.(%)	Output Current Nom.(mA)		Regulation Typ.(mV)		Price Each		
							Sink	Source	Line	Load	1	10	100
Surface Mount													
511-E-L4981AD	E-L4981AD	SO-8	Average current mode	-----/19.5	1.6	12	2000	1500	1	15	**4.10**	**3.70**	**3.30**
511-E-L6562DTR	E-L6562DTR	SO-8	Transistion mode	10.3/22	3.5	-----	-----	-----	2	-----	**.90**	**.88**	**.81**
Thru Hole													
511-E-L6561	E-L6561	DIP-8	Transistion mode	11/18	4.0	12	700	700	5	-----	**1.03**	**1.02**	**.94**

STMICROELECTRONICS POWER FACTOR CORRECTOR EVALUATION BOARDS

These demonstration boards have been realized to provide the user with a simple evaluation tool for the operation of the PFC controller L4981A or L6562. The application is a typical boost PFC pre-regulator with a power rating suitable for most office equipment. To help the user in the design stage, the demonstration board is delivered with WINDOWS compatible software covering all ST's PFC controllers.

Features:
- PFC pre-regulator in boost topology
- Wide-range mains supply (88 to 264 Vac)
- 400 V, 200 W output
- 100 kHz switching freq.
- Over voltage and over current protection
- 0.999 Power Factor
- Less than 3.5% Total Harmonic Distortion
- Over 95% efficiency



EVAL4981A Shown

MOUSER STOCK NO.	STM Part No.	Description	Price Each
511-EVAL6562-80W	EVAL6562-80W	For L6562 power factor corrector (80 watt)	**14.00**
511-EVAL6562-250W	EVAL6562-250W	For L6562 power factor corrector (250 watt)	**39.00**

STMICROELECTRONICS PULSE WIDTH MODULATORS (PWM)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Pkg. Type	Ref. Output Voltage Min/Typ/Max (V)	Output Current Max. (A)	Supply Voltage (V)	Freq. Typ./Max. (kHz)	Operating Supp.Curr. Typ. (mA)	Output Voltage Tol. (%)	Duty Cycle Max.(%)	Rise Time Typ.(nS)	Fall Time Typ.(nS)	Price Each		
												1	10	100
Surface Mount														
511-E-UC3843BD	E-UC3843BD1	SO-8	4.90/5.00/5.10	1	30	52/57	12	2	100	50	50	**.90**	**.71**	**.56**
511-E-UC3844BD1	E-UC3844BD1	SO-8	4.90/5.00/5.10	1	30	52/57	12	2	50	50	50	**.62**	**.61**	**.56**
511-E-UC2843BD1	E-UC2843BD1	SO-8	4.95/5.00/5.05	1	30	52/57	12	1	100	50	50	**.64**	**.63**	**.58**
511-E-SG3525AP	E-SG3525AP	SO-16	5.00/5.10/5.20	0.5	40	-----/400	12	2	49	100	50	**1.17**	**1.16**	**1.07**
511-SG3524P	SG3524P	SO-16	5.00/5.10/5.20	1	40	52/57	12	2	49	100	50	**1.17**	**1.16**	**1.07**
Thru Hole														
511-UC3842BN	UC3842BN	DIP-8	4.90/5.00/5.10	1	30	52/57	12	2	100	50	50	**.62**	**.61**	**.56**
511-E-UC3844BN	E-UC3844BN	DIP-8	4.90/5.00/5.10	1	30	52/57	12	2	50	50	50	**.62**	**.61**	**.56**
511-E-UC2843BN	E-UC2843BN	DIP-8	4.95/5.00/5.05	1	30	52/57	12	1	100	50	50	**.64**	**.63**	**.58**
511-E-UC2844BN	E-UC2844BN	DIP-8	4.95/5.00/5.05	1	30	52/57	12	1	50	50	50	**.77**	**.69**	**.58**
511-E-UC2845BN	E-UC2845BN	DIP-8	4.95/5.00/5.05	1	30	52/57	12	1	50	50	50	**.77**	**.69**	**.58**
511-E-SG3525AN	E-SG3525AN	DIP-16	5.00/5.10/5.20	0.5	40	-----/400	12	2	49	100	50	**1.17**	**1.16**	**1.07**
511-SG3524N	SG3524N	DIP-16	5.00/5.10/5.20	1	40	52/57	12	2	49	100	50	**1.17**	**1.16**	**1.07**
511-SG2525AN	SG2525AN	DIP-16	5.05/5.10/5.15	0.5	40	-----/400	12	1	49	100	50	**1.17**	**1.16**	**1.07**

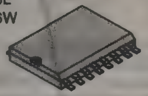
STMICROELECTRONICS Regulators and Temperature Sensors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

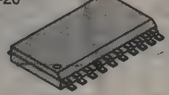
SO-8

SO-16

SO-16L
SO-16W



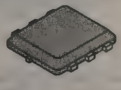
SO-20



PowerSO-20

PowerSO-36

DFN-6



HSOP-8

TSSOP-8

SOT-23-5L

TO-92

DIP-8

PWRDIP-12+2+2

Heptawatt-7V

Multiwatt-15V

STMICROELECTRONICS MULTIFUNCTION SWITCHING REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Input Voltage Range (V)	Output Voltage Max. (V)	Voltage Output Tol.	Output Curr. Cont. Max. (mA)	Quiescent Current Max. (mA)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-ST662ACD	ST662ACD	SO-8	-0.3 to 6.0	12	5%	50	0.5	0 to 70	1.43	1.41	1.30
511-LNBP21PD-TR	LNBP21PD-TR	PowerSO-20	-----/16	2.5	500	90%	20	-40 to +125	3.07	3.03	2.64
511-LNBH21PD-TR	LNBH21PD-TR	PowerSO-20	8/15	40.0	750	94%	-----	-40 to +125	3.77	3.71	3.23
511-ST5R33M	ST5R33MTR	SOT-23-5L	0.6 to 5.5	3.3	5%	-----	0.016	-25 to +85	1.09	1.08	.99
Thru Hole											
511-ST619LBN	ST619LBN	DIP-8	-0.3 to 5.5	5.2	5%	120	0.2	-40 to +85	1.49	1.47	1.35
511-ST662ACN	ST662ACN	DIP-8	-0.3 to 6.0	12	5%	50	0.5	0 to 70	1.43	1.41	1.30

STMICROELECTRONICS STEP-UP SWITCHING REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Input Voltage Min/Max (V)	Quiescent Current Max. (uA)	Output Voltage Min/Max (V)	Shut-Down Current Max. (uA)	Turn-on/off Time Max. (us)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-E-L6920D	E-L6920D	TSSOP-8	0.6/5.5	15	3.2/3.4	1.0	6.25/1.25	-40 to +125	1.43	1.41	1.30

STMICROELECTRONICS STEP-DOWN SWITCHING REGULATORS

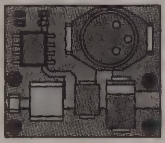
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	DC Input Voltage Min/Max (V)	Output Current Max. (A)	Regulated Output Volt Min/Max (V)	Efficiency Nominal	Switching Freq. Typ/Max (kHz)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-ST735CD	ST735CD	SO-8	4.0 to 6.2	-4.75	5%	0.275	0.8	-40 to +125	1.03	1.02	.94
511-MC34063ACD	MC34063ACD	SO-8	-0.3 to +40	50	2%	1.5	2.5	0 to 70	.76	.75	.69
511-ST1S03PMR	ST1S03PMR	DFN-6	3/16	1.5	-----/-----	70%	1500/1800	-40 to +85	1.27	1.25	1.16
511-E-L5970D	E-L5970D	SO-8	4.4/36	1.0	1.23/35	85%	250/-----	-40 to +150	2.22	2.19	1.91
511-E-L5973D	E-L5973D	HSOP-8	4.4/36	2.5	1.235/35	90%	250/-----	-40 to +150	2.48	2.44	2.13
511-E-L6902D	E-L6902D	SO-8	8/36	1.0	1.23/35	85%	-----/250	-40 to +150	2.78	2.73	2.38
511-E-L4971D	E-L4971D	SO-16W	8/55	1.5	3.3/50	85%	-----/300	-40 to +150	3.45	3.40	2.96
511-L4973D5.1	L4973D5.1	SO-20	8/55	3.5	4.95/5.25	90%	100/110	-40 to +150	5.71	5.62	4.90
Thru Hole											
511-MC34063ACN	MC34063ACN	DIP-8	-0.3 to +40	50	2%	1.5	2.5	0 to 70	.76	.75	.69
511-MC34063ECN	MC34063ECN	DIP-8	-----/50	1.5	1.25/38	80%	-----/-----	0 to 70	.35	.32	.29
511-L4962E/A	L4962E/A	Heptawatt-7V	9/46	1.5	5.1/40	75%	-----/200	-40 to +150	3.77	3.71	3.23
511-L4962/A	L4962/A	PowerDIP-12+2+2	9/46	1.5	5.1/40	75%	-----/200	-40 to +150	3.77	3.71	3.23
511-E-L4960	E-L4960	Heptawatt-7V	9/46	2.5	5.1/40	75%	-----/200	-40 to +150	3.32	3.00	2.38
511-L296P	L296P	Multiwatt-15V	9/46	4.0	5.1/40	75%	-----/200	-40 to +150	7.43	7.32	6.38
511-L4970A	L4970A	Multiwatt-15V	12/50	10	5.1/40	83%	-----/500	-40 to +150	13.14	12.06	9.25

STMICROELECTRONICS EVALUATION BOARDS

These demonstration boards are complete tools to evaluate the L5970D, L5972D, L5973AD, L5973D and L6902D switching regulators. The system is a buck topology converter with a sense resistor to set the constant output current from 50mA up to 1.5A (in according to package power dissipation). The demo board supports maximum input/output voltages of 16V/10V, above this voltage rating of the input /output capacitors must be changed.

EVAL5970D Shown



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Description	Price Each
511-EVAL5973D	EVAL5973D	For L5793D switching regulator	14.00

STMICROELECTRONICS TEMPERATURE SENSORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO,	STM Part No.	Package Type	Description	Supply Voltage (V)	Set Curr. Max. (mA)	Set Curr. Error Max. (%)	Operating Temperature Range(C)	Effective Shunt Cap. Typ. (pF)	Price Each		
									1	10	100
Surface Mount											
511-LM234D	LM234D	SO-8	3-terminal adjustable current	1.0 to 40	10.0	12	- 25 to + 100	15	.86	.84	.78
511-LM334D	LM334D	SO-8	3-terminal adjustable current	1.0 to 40	10.0	12	0 to + 70	15	.76	.75	.69
511-LM335D	LM335D	SO-8	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 100	-----	.78	.77	.71
Thru Hole											
511-LM234Z	LM234Z	TO-92	3-terminal adjustable current	1.0 to 40	10.0	8	- 25 to + 100	15	.90	.88	.81
511-LM334Z	LM334Z	TO-92	3-terminal adjustable current	1.0 to 40	10.0	12	0 to + 70	15	.66	.65	.60
511-LM335AZ	LM335AZ	TO-92	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 100	-----	.82	.80	.74
511-LM235Z	LM235Z	TO-92	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 125	-----	.90	.88	.81
511-LM335Z	LM335Z	TO-92	Precision linear output	2.92 to 3.04	15.0	----	- 40 to + 100	-----	.64	.63	.58

STMICROELECTRONICS VOLTAGE REFERENCE (GENERAL PURPOSE)

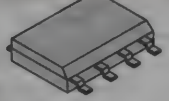
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each		
										1	10	100
Surface Mount												
511-TL431CD	TL431CD	SO-8	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	0 to +70	.29	.27	.24
511-MC1403D	MC1403D	SO-8	Fixed	2.5	1	40	-----	-----	0 to +70	1.41	1.39	1.28
Thru Hole												
511-LM236Z	LM236Z	TO-92	Fixed	2.5	2	-----	0.4 to 10	0.2/0.6	-25 to +85	.90	.88	.81
511-LM336Z	LM336Z	TO-92	Fixed	2.5	4	-----	0.4 to 10	0.2/1.0	0 to +70	.78	.77	.71
511-TL431ACZ	TL431ACZ	TO-92	Adjust	2.5 to 36	1	100	1 to 100	0.22/0.5	0 to +70	.29	.27	.24
511-TL431AIZ	TL431AIZ	TO-92	Adjust	2.5 to 36	1	100	1 to 100	0.22/0.5	-40 to +105	.31	.28	.26
511-TL431CZ	TL431CZ	TO-92	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	0 to +70	.27	.25	.22
511-TL431IZ	TL431IZ	TO-92	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	-40 to +105	.29	.27	.24

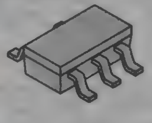
STMICROELECTRONICS Voltage References and Regulators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

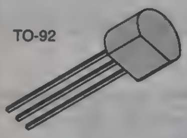
SO-8



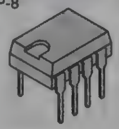
SOT-23-5L



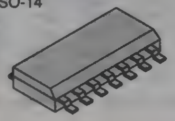
TO-92



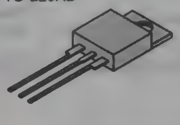
DIP-8



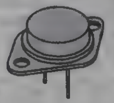
SO-14



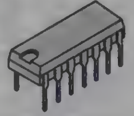
TO-220AB



TO-3



DIP-14



STMICROELECTRONICS VOLTAGE REFERENCE (LOW POWER)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	10	100
Surface Mount												
511-TS431AIL	TS431AILT	SOT-23-5L	Adjust	1.24 to 6.0	1	100	0.06 to 30	0.2/0.4	-40 to +125	.60	.59	.54
Thru Hole												
511-TS431AIZ	TS431AIZ	TO-92	Adjust	1.24 to 6.0	1	100	0.06 to 30	0.2/0.4	-40 to +125	1.23	1.21	1.12

STMICROELECTRONICS VOLTAGE REFERENCE (MICROPOWER)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	10	100
Thru Hole												
511-TS821AIZ	TS821AIZ	TO-92	Fixed	1.225	1	120	0.045 to 12	0.25/0.5	-40 to +85	.64	.63	.58

STMICROELECTRONICS VOLTAGE REFERENCES (PROGRAMMABLE SHUNT)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	10	100
Surface Mount												
511-TS3431BIL	TS3431BILT	SOT-23-3L	Adjust	1.24 to 24	0.5	100	0.5 to 100	0.2/0.4	-40 to +125	.25	.23	.21
511-TS3431CIL	TS3431CILT	SOT-23-3L	Adjust	1.24 to 24	0.25	100	0.5 to 100	0.2/0.4	-40 to +125	.29	.27	.24
511-TS2431BIL	TS2431BILT	SO-8	Adjust	2.5 to 24	0.5	50	1 to 100	0.5/0.75	-40 to +85	.64	.63	.58
Thru Hole												
511-TS3431BIZ-TR	TS3431BIZT	TO-92	Adjust	1.24 to 24	0.5	100	0.5 to 100	0.2/0.4	-40 to +125	.70	.69	.63

STMICROELECTRONICS VOLTAGE REFERENCE (PRECISION)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each 1	10	100
Surface Mount												
511-TL1431CD	TL1431CD	SO-8	Adjust	2.5 to 36	0.4	100	1 to 100	0.2/0.5	-20 to +70	.37	.34	.31
Thru Hole												
511-TL1431ACZ	TL1431ACZ	TO-92	Adjust	2.5 to 36	0.25	100	1 to 100	0.2/0.5	-20 to +70	.94	.92	.85
511-TL1431CZ	TL1431CZ	TO-92	Adjust	2.5 to 36	0.4	100	1 to 100	0.2/0.5	-20 to +70	.56	.55	.51
511-TL1431IZ	TL1431IZ	TO-92	Adjust	2.5 to 36	0.4	100	1 to 100	0.2/0.5	-40 to +105	.72	.71	.65

STMICROELECTRONICS PROGRAMMABLE POSITIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each 1	10	100
Surface Mount											
511-LM723CD	LM723CD	SO-14	2-37	0.15	-----	0.5	0.6	0 to +70	.39	.36	.33
Thru Hole											
511-LM723CN	LM723CN	DIP-14	2-37	0.15	-----	0.5	0.6	0 to +70	.33	.30	.28
511-LM723N	LM723N	DIP-14	2-37	0.15	-----	0.5	0.6	-55 to +125	.45	.41	.38

STMICROELECTRONICS NEGATIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each 1	10	100
Thru Hole											
511-L200CV	L200CV	TO-3	2.85-36	2.0	60	---	1.4	-25 to 150	1.27	1.25	1.16
511-LM337K	LM337K	TO-3	1.2-37	1.5	40	.05	1.0	0 to +125	3.35	3.30	2.88
511-LM337SP	LM337SP	TO-220AB	1.2-37	1.5	40	.05	1.0	0 to +125	.72	.71	.65

STMICROELECTRONICS VOLTAGE SUPERVISORS

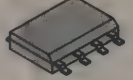
For quantities of 250 and up, call for quote.

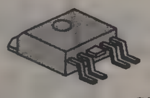
MOUSER STOCK NO.	STM Part No.	Case Type	Description	Supply Current Max. (μA)	Supply Voltage Max. (V)	Threshold Voltage Typ. (V)	Response Time High-Low (μS)	Temperature Range (°C)	Price Each 1	10	100
Surface Mount											
511-TL7705ACD1/A	TL7705ACD1/A	SO-8	Supply voltage supervisor	0.0033	18	4.55	1	0 to 70	.60	.59	.54
511-TS831-4ID	TS831-4ID	SO-8	Micropower voltage supervisor reset active low	12	7	4.5	20	-40 to +125	.74	.73	.67
Thru Hole											
511-TL7705ACP/A	TL7705ACP/A	DIP-8	Supply voltage supervisor	0.0033	18	4.55	1	0 to 70	.60	.59	.54
511-TS831-4IZ	TS831-4IZ	TO-92	Micropower voltage supervisor reset active low	12	7	4.5	20	-40 to +125	.39	.36	.33

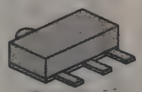
STMICROELECTRONICS Voltage Regulators

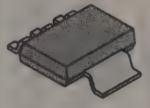
Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMicroelectronics


SO-8

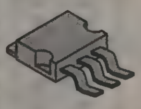

PPAK

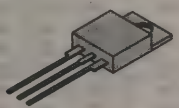

SOT-89

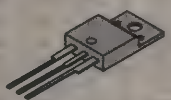

SOT-223

TO-252/TO-263

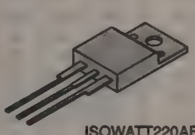
TO-92


TO-263A


TO-220AB


TO-220FP

TO-3


ISOWATT220AB

STMICROELECTRONICS POSITIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-LM317MDT	LM317MDT	TO-252	1.2-37	0.5	40	0.04	0.5	0 to +125	**.64**	**.63**	**.58**
511-LM317D2T	LM317D2T	TO-263	1.2-37	1.5	40	0.04	0.5	0 to +125	**.72**	**.71**	**.65**
511-LM317LD	LM317LD	SO-8	1.2-37	1.5	40	0.04	0.5	0 to +125	**.35**	**.32**	**.29**
Thru Hole											
511-LM217MT	LM217MT	TO-220AB	1.2-37	0.5	40	0.02	0.3	-25 to +150	**.54**	**.53**	**.49**
511-LM317MT	LM317MT	TO-220AB	1.2-37	0.5	40	0.04	0.5	0 to +125	**.54**	**.53**	**.49**
511-LM117K	LM117K	TO-3	1.2-37	1.5	40	0.02	0.3	-55 to +150	**4.26**	**4.20**	**3.66**
511-LM217K	LM217K	TO-3	1.2-37	1.5	40	0.02	0.3	-25 to +150	**2.88**	**2.83**	**2.47**
511-LM217LZ	LM217LZ	TO-92	1.2-37	1.5	40	0.02	0.3	-25 to +150	**.39**	**.36**	**.33**
511-LM317K	LM317K	TO-3	1.2-37	1.5	40	0.04	0.5	0 to +125	**2.08**	**2.05**	**1.79**
511-LM317LZ	LM317LZ	TO-92	1.2-37	1.5	40	0.04	0.5	0 to +125	**.29**	**.27**	**.24**
511-LM317P	LM317P	TO-220FP	1.2-37	1.5	40	0.04	0.5	0 to +125	**.62**	**.61**	**.56**
511-LM317T	LM317T	TO-220AB	1.2-37	1.5	40	0.04	0.5	0 to +125	**.35**	**.32**	**.29**
511-LM350K	LM350K	TO-3	1.2-37	3.0	35	0.03	0.5	0 to +125	**5.70**	**4.72**	**3.71**
511-LM138K	LM138K	TO-3	1.2-37	5.0	35	0.03	0.5	-55 to +150	**9.90**	**9.75**	**8.50**
511-LM238K	LM238K	TO-3	1.2-37	5.0	35	0.03	0.5	-25 to +150	**8.22**	**8.10**	**7.06**
511-LM338K	LM338K	TO-3	1.2-37	5.0	35	0.03	0.5	0 to +125	**7.21**	**7.10**	**6.19**

STMICROELECTRONICS POSITIVE ADJUSTABLE LOW DROPOUT VOLTAGE REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-LD1117DT-TR	LD1117DT-TR	TO-252	1.25-15	0.8	---------	0.2	0.4	0 to +125	**.35**	**.32**	**.29**
511-LD1117S	LD1117STR	SOT-223	1.25-15	0.8	---------	0.2	0.4	0 to +125	**.35**	**.32**	**.29**
511-LD1117SC-R	LD1117SC-R	SOT-223	1.25-15	0.8	-----	1	1	-40 to +125	**.45**	**.41**	**.38**
511-LD29080P	LD29080PTR	PPAK	2.5-13	0.8	-----	1	0.5	-40 to +125	**.90**	**.88**	**.81**
511-LD1086DT-TR	LD1086DTTR	TO-252	2.85-30	1.5	---------	0.2	0.3	-40 to +125	**.96**	**.94**	**.87**
511-LD1085D2M	LD1085D2M-R	TO-263A	2.85-30	3.0	---------	0.2	0.3	-40 to +125	**1.29**	**1.27**	**1.17**
Thru Hole											
511-LD1117V	LD1117V	TO-220AB	1.25-15	0.8	---------	0.2	0.4	0 to +125	**.99**	**.98**	**.90**
511-LD1585CV	LD1585CV	TO-220AB	1.25-28	5.0	---------	0.2	0.3	0 to +125	**1.19**	**1.17**	**1.08**

STMICROELECTRONICS POSITIVE ADJUSTABLE VERY LOW DROPOUT VOLTAGE REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-LM2931D	LM2931D	SO-8	2.5-26	0.01	---------	4.5	30	-40 to +125	**.56**	**.55**	**.51**
511-LD29150PTR	LD29150PTR	PPAK	2.5-30	1.5	---------	1	0.5	-40 to +125	**.92**	**.90**	**.83**

STMICROELECTRONICS NEGATIVE FIXED VOLTAGE REGULATORS

For quantities of 250 and up, call for quote.

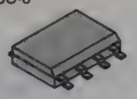
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-L79L05ACU	L79L05ACUTR	SOT-89	5.0	0.1	1.7	150	60	0 to +125	**.39**	**.36**	**.33**
511-L79L05ACD	L79L05ACD	SO-8	5.0	0.1	1.7	150	60	0 to +125	**.39**	**.36**	**.33**
511-L79L08ACD	L79L08ACD	SO-8	8.0	0.1	1.7	175	80	0 to +125	**.43**	**.40**	**.36**
511-L79L12ACD	L79L12ACD	SO-8	12.0	0.1	1.7	250	100	0 to +125	**.39**	**.36**	**.33**
511-L79L15ACD	L79L15ACD	SO-8	15.0	0.1	1.7	300	150	0 to +125	**.43**	**.40**	**.36**
Thru Hole											
511-L79L05ACZ	L79L05ACZ	TO-92	5.0	0.1	1.7	150	60	0 to +125	**.29**	**.27**	**.24**
511-L7905ACV	L7905ACV	TO-220AB	5.0	1.5	1.4	100	100	0 to +125	**.35**	**.32**	**.29**
511-L7905CP	L7905CP	Isowatt220AB	5.0	1.5	1.4	100	100	0 to +150	**.52**	**.51**	**.47**
511-L7905CV	L7905CV	TO-220AB	5.0	1.5	1.4	100	100	0 to +150	**.27**	**.25**	**.22**
511-L79L08ACZ	L79L08ACZ	TO-92	8.0	0.1	1.7	175	80	0 to +125	**.33**	**.30**	**.28**
511-L79L09ACZ	L79L09ACZ	TO-92	9.0	0.1	1.7	225	80	0 to +125	**.33**	**.30**	**.28**
511-L79L12ACZ	L79L12ACZ	TO-92	12.0	0.1	1.7	250	100	0 to +125	**.29**	**.27**	**.24**
511-L7912ACV	L7912ACV	TO-220AB	12.0	1.5	1.1	240	240	0 to +125	**.33**	**.30**	**.28**
511-L7912CP	L7912CP	Isowatt220AB	12.0	1.5	1.1	240	240	0 to +150	**.49**	**.45**	**.41**
511-L7912CV	L7912CV	TO-220AB	12.0	1.5	1.1	240	240	0 to +150	**.27**	**.25**	**.22**
511-L79L15ACZ	L79L15ACZ	TO-92	15.0	0.1	1.7	300	150	0 to +125	**.33**	**.30**	**.28**
511-L7915CV	L7915CV	TO-220AB	15.0	1.5	1.1	300	300	0 to +150	**.27**	**.25**	**.22**

STMICROELECTRONICS Voltage Regulators

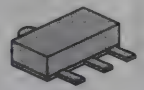
Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMicroelectronics

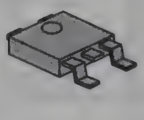
SO-8



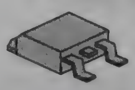
SOT-89



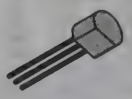
TO-252



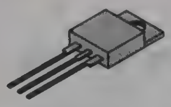
TO-263



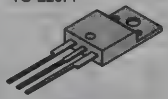
TO-92



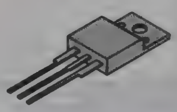
TO-220AB



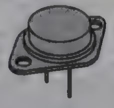
TO-220FP



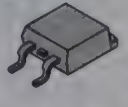
ISOWATT220AB



TO-3



D2PAK



STMICROELECTRONICS POSITIVE FIXED VOLTAGE REGULATORS

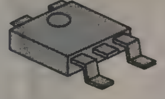
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-L78L33ACD	L78L33ACD	SO-8	3.3	0.1	1.7	150	60	0 to +125	.37	.34	.31
511-L78L33ACU	L78L33ACUTR	SOT-89	3.3	0.1	1.7	150	60	0 to +125	.35	.32	.29
511-L78L05ABU	L78L05ABUTR	SOT-89	5.0	0.1	1.7	150	60	-40 to +125	.41	.38	.34
511-L78L05ACD	L78L05ACD	SO-8	5.0	0.1	1.7	150	60	0 to +125	.20	.18	.17
511-L78L05ACU	L78L05ACUTR	SOT-89	5.0	0.1	1.7	150	60	0 to +125	.35	.32	.29
511-L78L05CD-TR	L78L05CD-TR	SO-8	5.0	0.1	1.7	200	60	0 to +125	.33	.30	.28
511-L78L05ABD	L78L05ABD	SO-8	5.0	0.1	1.7	150	60	-40 to +125	.21	.19	.18
511-L78M05ACDT-TR	L78M05ACDT-TR	TO-252	5.0	0.5	2.0	100	100	0 to +125	.41	.38	.34
511-L78M05CDT	L78M05CDT	TO-252	5.0	0.5	2.0	100	100	0 to +150	.49	.45	.41
511-L7805CD2T-TR	L7805CD2T-TR	TO-263	5.0	1.0	2.0	50	100	-55 to +150	.41	.38	.34
511-L78L06ACD	L78L06ACD	SO-8	6.0	0.1	1.7	150	60	0 to +125	.37	.34	.31
511-L78M06CDT-TR	L78M06CDT-TR	TO-252	6.0	0.5	2.0	100	120	0 to +150	.51	.47	.43
511-L78L08ABU	L78L08ABUTR	SOT-89	8.0	0.1	1.7	175	80	-40 to +125	.41	.38	.34
511-L78L08ACD	L78L08ACD	SO-8	8.0	0.1	1.7	175	80	0 to +125	.22	.21	.19
511-L78M08ACDT	L78M08ACDT	TO-252	8.0	0.5	2.0	100	160	0 to +125	.56	.55	.51
511-L78M08ABDT-TR	L78M08ABDT-TR	TO-252	8.0	0.5	2.0	100	160	-40 to +125	.45	.41	.38
511-L78L09ACU	L78L09ACUTR	SOT-89	9.0	0.1	1.7	225	80	0 to +125	.25	.23	.21
511-L78L09ACD	L78L09ACD	SO-8	9.0	0.1	1.7	225	80	0 to +125	.37	.34	.31
511-L78L09CD	L78L09CD	SO-8	9.0	0.1	1.7	250	80	0 to +125	.33	.30	.28
511-L78M09ABDT	L78M09ABDT	TO-252	9.0	0.5	2.0	100	180	-40 to +125	.84	.82	.76
511-L7809ACD2T-TR	L7809ACD2T-TR	TO-263	9.0	1.5	2.0	90	100	0 to +150	.62	.61	.56
511-L78L12ACU	L78L12ACUTR	SOT-89	12.0	0.1	1.7	250	100	0 to +125	.35	.32	.29
511-L78L12ACD	L78L12ACD	SO-8	12.0	0.1	1.7	250	100	0 to +125	.35	.32	.29
511-L78L12ABD	L78L12ABD	SO-8	12.0	0.1	1.7	250	100	-40 to +125	.41	.38	.34
511-L78M12ABDT	L78M12ABDT	TO-252	12.0	0.5	2.0	100	240	-40 to +125	.88	.86	.80
511-L78M15CDT-TR	L78M15CDT-TR	TO-252	15.0	0.5	2.0	100	300	0 to +150	.49	.45	.41
511-L78L15CD	L78L15CD	SO-8	15.0	0.1	1.7	300	150	0 to +125	.33	.30	.28
511-L7815CD2T-TR	L7815CD2T-TR	TO-263	15.0	1.0	2.0	150	150	-55 to +150	.45	.41	.38
511-L78L24ABD	L78L24ABD	SO-8	24.0	0.1	1.7	350	200	-40 to +125	.45	.41	.38
Thru Hole											
511-L78L33ACZ	L78L33ACZ	TO-92	3.3	0.1	1.7	150	60	0 to +125	.29	.27	.24
511-L78L05ACZ	L78L05ACZ	TO-92	5.0	0.1	1.7	150	60	0 to +125	.22	.21	.19
511-L78L05ABZ	L78L05ABZ	TO-92	5.0	0.1	1.7	150	60	-40 to +125	.29	.27	.24
511-L78M05CV	L78M05CV	TO-220AB	5.0	0.5	2.0	100	100	0 to +150	.41	.38	.34
511-L7805ABP	L7805ABP	TO-220FP	5.0	0.5	2.0	100	100	-40 to +125	.45	.41	.38
511-L7805ACP	L7805ACP	Isowatt220AB	5.0	1.0	2.0	50	100	0 to +125	.52	.51	.47
511-L7805ACV	L7805ACV	TO-220AB	5.0	1.0	2.0	50	100	0 to +125	.33	.30	.28
511-L7805CP	L7805CP	Isowatt220AB	5.0	1.0	2.0	100	100	0 to +150	.37	.34	.31
511-L7805CT	L7805CT	TO-3	5.0	1.0	2.0	100	100	0 to +150	2.28	2.25	1.96
511-L7805CV	L7805CV	TO-220AB	5.0	1.0	2.0	100	100	0 to +150	.25	.23	.21
511-L7805ABV	L7805ABV	TO-220AB	5.0	1.0	2.0	50	100	-40 to +125	.60	.59	.54
511-L78S05CV	L78S05CV	TO-220AB	5.0	2.0	- - - - - - -	100	100	0 to +150	.47	.43	.40
511-LM323K	LM323K	TO-3	5.0	3.0	- - - - - - -	25	100	0 to +125	3.45	3.40	2.96
511-L78L06ACZ	L78L06ACZ	TO-92	6.0	0.1	1.7	150	60	0 to +125	.29	.27	.24
511-L7806CV	L7806CV	TO-220AB	6.0	1.5	2.0	120	120	0 to +150	.27	.25	.22
511-L78S75CV	L78S75CV	TO-220AB	7.5	2.0	- - - - - - -	120	120	0 to +150	.47	.43	.39
511-L78L08ACZ	L78L08ACZ	TO-92	8.0	0.1	1.7	175	80	0 to +125	.29	.27	.24
511-L78L08ABZ	L78L08ABZ	TO-92	8.0	0.1	1.7	175	80	-40 to +125	.31	.28	.26
511-L7808ACV	L7808ACV	TO-220AB	8.0	1.0	2.0	80	100	0 to +125	.41	.38	.34
511-L7808CP	L7808CP	Isowatt220AB	8.0	1.0	2.0	160	160	0 to +150	.52	.51	.47
511-L7808CV	L7808CV	TO-220AB	8.0	1.0	2.0	160	160	0 to +150	.32	.30	.27
511-L78L09ACZ	L78L09ACZ	TO-92	9.0	0.1	1.7	225	80	0 to +125	.25	.23	.21
511-L78M09CV	L78M09CV	TO-220AB	9.0	0.5	2.0	100	180	0 to +150	.41	.38	.34
511-L7809ACV	L7809ACV	TO-220AB	9.0	1.0	2.0	90	100	0 to +125	.47	.43	.40
511-L7809CP	L7809CP	Isowatt220AB	9.0	1.0	2.0	180	180	0 to +150	.52	.51	.47
511-L7809CV	L7809CV	TO-220AB	9.0	1.0	2.0	180	180	0 to +150	.27	.25	.22
511-L78S09CV	L78S09CV	TO-220AB	9.0	2.0	- - - - - - -	130	130	0 to +150	.47	.43	.40
511-L78S10CV	L78S10CV	TO-220AB	10.0	2.0	- - - - - - -	200	150	0 to +150	.31	.28	.26
511-L78L12ACZ	L78L12ACZ	TO-92	12.0	0.1	1.7	250	100	0 to +125	.29	.27	.24
511-L78L12ABZ	L78L12ABZ	TO-92	12.0	0.1	1.7	250	100	-40 to +125	.29	.27	.24
511-L7812ACV	L7812ACV	TO-220AB	12.0	1.0	2.0	120	100	0 to +125	.35	.32	.29
511-L7812CP	L7812CP	Isowatt220AB	12.0	1.0	2.0	240	240	0 to +150	.52	.51	.47
511-L7812CT	L7812CT	TO-3	12.0	1.0	2.0	240	240	0 to +150	2.28	2.25	1.96
511-L7812CV	L7812CV	TO-220AB	12.0	1.0	2.0	240	240	0 to +150	.25	.23	.21
511-L7812ABV	L7812ABV	TO-220AB	12.0	1.0	2.0	120	100	-40 to +125	.37	.34	.31
511-L78S12CV	L78S12CV	TO-220AB	12.0	2.0	- - - - - - -	240	160	0 to +150	.31	.28	.26
511-L78M12CDT-TR	L78M12CDT-TR	TO-252	12.0	0.5	2.0	100	240	0 to +150	.41	.38	.34
511-L7812CD2T-TR	L7812CD2T-TR	D²PAK	12.0	1.5	2.5	120	100	0 to +150	.49	.45	.41
511-L7812ACD2T-TR	L7812ACD2T-TR	D²PAK	12.0	1.0	2.0	120	100	0 to +150	.56	.55	.51

STMICROELECTRONICS Voltage Regulators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMicroelectronics


TO-252

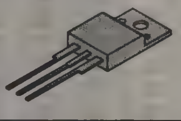
TO-92

TO-263A

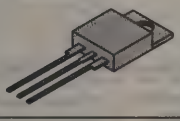
SOT-223

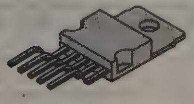
TO-3

SOT-23-5L


ISOWATT220AB

D2PAK


TO-220AB


Pentawatt

SO-8

STMICROELECTRONICS POSITIVE FIXED VOLTAGE REGULATORS CONT.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	10	100
Thru-Hole											
511-L78M15CDT-TR	L78M15CDT-TR	TO-252	15.0	0.5	2.0	100	300	0 to +150	.49	.45	.41
511-L7815CD2T-TR	L7815CD2T-TR	D^{2}PAK	15.0	1.5	2.5	150	150	0 to +150	.45	.41	.38
511-L78L15ACZ	L78L15ACZ	TO-92	15.0	0.1	1.7	300	150	0 to +125	.29	.27	.24
511-L78M15CV	L78M15CV	TO-220AB	15.0	0.5	2.0	100	300	0 to +150	.31	.28	.26
511-L78M15ABV	L78M15ABV	TO-220AB	15.0	0.5	2.0	100	300	-40 to +125	.39	.36	.33
511-L7815ABV	L7815ABV	TO-220AB	15.0	1.0	2.0	150	100	-40 to +125	.42	.38	.35
511-L7815CP	L7815CP	Isowatt220AB	15.0	1.0	2.0	300	300	0 to +150	.52	.51	.47
511-L7815CT	L7815CT	TO-3	15.0	1.0	2.0	300	300	0 to +150	2.28	2.25	1.96
511-L7815CV	L7815CV	TO-220AB	15.0	1.0	2.0	300	300	0 to +150	.27	.25	.22
511-L7818CT	L7818CT	TO-3	18.0	1.0	2.0	360	360	0 to +150	2.28	2.25	1.96
511-L7818CV	L7818CV	TO-220AB	18.0	1.0	2.0	360	360	0 to +150	.27	.25	.22
511-L78S18CV	L78S18CV	TO-220AB	18.0	2.0	-------	360	200	0 to +150	.47	.43	.40
511-L78M24CV	L78M24CV	TO-220AB	24.0	0.5	2.0	100	480	0 to +150	.33	.30	.28
511-L7824CT	L7824CT	TO-3	24.0	1.0	2.0	480	480	0 to +150	2.28	2.25	1.96
511-L7824CV	L7824CV	TO-220AB	24.0	1.0	2.0	480	480	0 to +150	.27	.25	.22
511-L78S24CV	L78S24CV	TO-220AB	24.0	2.0	-------	480	250	0 to +150	.31	.28	.26

STMICROELECTRONICS POSITIVE FIXED LOW DROP VOLTAGE REGULATORS

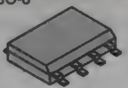
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each 1	10	100
Surface Mount											
511-LD1117DT12	LD1117DT12TR	TO-252	1.2	0.8	1.1	6	10	0 to +125	.62	.61	.56
511-LD1117S12	LD1117S12TR	SOT-223	1.2	0.8	1.1	0.2	0.4	0 to +125	.66	.65	.60
511-LD1117DT18CTR	LD1117DT18CTR	TO-252	1.8	0.8	1.10	6	10	0 to +125	.35	.32	.29
511-LD1086D2M18	LD1086D2M18	TO-263A	1.8	1.5	1.3	4	8	-40 to +125	.96	.82	.72
511-LK112SM25	LK112SM25TR	SOT-23-5L	2.5	0.2	0.24	20	30	-30 to +80	.76	.75	.69
511-LD1117S25C	LD1117S25CTR	SOT-223	2.5	0.8	1.1	30	30	0 to +125	.35	.32	.29
511-LD1086DT25	LD1086DT25	TO-252	2.5	1.5	1.3	4	8	-40 to +125	.96	.94	.87
511-LK112M33	LK112M33TR	SOT-23-5L	3.3	0.1	0.24	20	30	-30 to +80	.64	.63	.58
511-LK112SM33	LK112SM33TR	SOT-23-5L	3.3	0.2	0.24	20	30	-30 to +80	.76	.75	.69
511-LD29080DT33R	LD29080DT33R	TO-252	3.3	0.8	0.1	1	0.5	-40 to +125	.76	.75	.69
511-LD1117DT33CTR	LD1117DT33CTR	TO-252	3.3	0.8	1.1	30	30	0 to +125	1.06	.83	.74
511-LD1117AS33	LD1117AS33TR	SOT-223	3.3	0.8	1.1	6	10	0 to +125	1.09	1.08	.99
511-LD1117S33	LD1117S33	SOT-223	3.3	0.8	1.1	6	10	0 to +125	.35	.32	.29
511-LD1117S33C	LD1117S33C	SOT-223	3.3	0.8	1.1	30	30	-40 to +125	.35	.32	.29
511-LD1086D2M33	LD1086D2M33	TO-263A	3.3	1.5	1.3	6	10	-40 to +125	.96	.82	.72
511-LD1086D2T33-TR	LD1086D2T33TR	D^{2}PAK	3.3	1.5	1.3	6	10	-40 to +25	.78	.77	.71
511-LD1085D2M33	LD1085D2M33	TO-263A	3.3	3.0	1.3	6	15	-40 to +125	1.30	1.11	.98
511-L78M05CDT-TR	L78M05CDT-TR	TO-252	5.0	0.5	2.0	100	100	0 to +150	.29	.27	.24
511-L78M05ACDT-TR	L78M05ACDT-TR	TO-252	5.0	0.5	2.0	100	100	0 to +125	.41	.38	.34
511-L78M05ABDT-TR	L78M05ABDT-TR	TO-252	5.0	0.5	2.0	100	100	-40 to +125	.45	.41	.38
511-L78L05ACD-TR	L78L05ACD13TR	SO-8	5.0	0.1	1.7	200	60	0 to +150	.18	.16	.15
511-L7805CD2T-TR	L7805CD2T-TR	D^{2}PAK	5.0	1.5	2.0	50	100	0 to +150	.41	.38	.34
511-L7805ABD2T-TR	L7805ABD2T-TR	D^{2}PAK	5.0	1.0	2.0	50	100	-40 to +125	.47	.43	.40
511-LK112SM50	LK112SM50TR	SOT-23-5L	5.0	0.2	0.24	20	30	-30 to +80	.39	.36	.33
511-LD1117S50	LD1117S50TR	SOT-223	5.0	0.8	1.1	10	15	0 to +125	1.39	1.37	1.26
511-LD1086DT50	LD1086DT50	TO-252	5.0	1.5	1.3	10	20	-40 to +125	.96	.94	.87
511-LD29080DT90R	LD29080DT90R	TO-252	9.0	0.8	0.1	1	0.5	-40 to +125	.98	.96	.89
Thru Hole											
511-LD1084V12	LD1084V12	TO-220AB	1.2	5.0	1.3	6	15	-40 to +125	1.75	1.72	1.59
511-LD1117V18	LD1117V18	TO-220AB	1.8	0.8	1.1	6	10	0 to +125	.88	.86	.80
511-LD1086V18	LD1086V18	TO-220AB	1.8	1.5	1.3	10	25	-40 to +150	.96	.94	.87
511-LD1084V18	LD1084V18	TO-220AB	1.8	5.0	1.3	6	15	-40 to +125	1.75	1.72	1.59
511-LD1117V25	LD1117V25	TO-220AB	2.5	0.8	1.1	6	10	0 to +125	.88	.86	.80
511-LD1086V25	LD1086V25	TO-220AB	2.5	1.5	1.3	10	25	-40 to +150	.96	.94	.87
511-LD1085V25	LD1085V25	TO-220AB	2.5	3.0	1.3	6	15	-40 to +125	1.29	1.27	1.17
511-LD1084V25	LD1084V25	TO-220AB	2.5	5.0	1.3	6	15	-40 to +125	1.75	1.72	1.59
511-LD1117V30C	LD1117V30C	TO-220AB	3.0	0.8	1.1	30	30	0 to +125	.80	.78	.72
511-LD1117V33	LD1117V33	TO-220AB	3.3	0.8	1.1	6	10	0 to +125	.35	.32	.29
511-LD1117V33C	LD1117V33C	TO-220AB	3.3	0.8	1.1	30	30	0 to +125	.35	.32	.29
511-LD1086V33	LD1086V33	TO-220AB	3.3	1.5	1.3	10	25	-40 to +150	.96	.94	.87
511-LD1085V33	LD1085V33	TO-220AB	3.3	3.0	1.3	6	15	-40 to +125	1.29	1.27	1.17
511-LD1084V33	LD1084V33	TO-220AB	3.3	5.0	1.3	6	15	-40 to +125	1.75	1.72	1.59
511-LD1085V36	LD1085V36	TO-220AB	3.6	3.0	1.3	10	15	-40 to +125	1.29	1.27	1.17
511-L387A	L387A	Pentawatt	5.0	0.5	0.4	50	60	-40 to +125	2.64	2.60	2.27
511-LD1117V50C	LD1117V50C	TO-220AB	5.0	0.8	1.1	50	50	0 to +125	.80	.78	.72
511-L4941BV	L4941BV	TO-220AB	5.0	1.0	0.45	20	20	0 to +125	.72	.71	.65
511-L4940V5	L4940V5	TO-220AB	5.0	1.5	0.5	10	25	0 to +125	1.43	1.41	1.30
511-LD1086V50	LD1086V50	TO-220AB	5.0	1.5	1.3	10	20	-40 to +125	.96	.94	.87
511-LD1085V50	LD1085V50	TO-220AB	5.0	3.0	1.3	10	10	-40 to +125	1.29	1.27	1.17
511-L4940V85	L4940V85	TO-220AB	8.5	1.5	0.5	9	30	0 to +125	1.51	1.49	1.37
511-LD1086V90	LD1086V90	TO-220AB	9.0	1.5	1.3	20	30	-40 to +125	.96	.94	.87

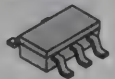
STMICROELECTRONICS Voltage Regulators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

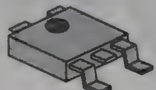
STMicroelectronics



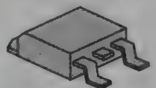
SO-8



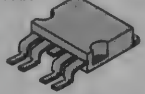
SOT-23-5L



TO-252

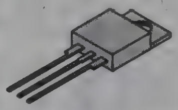


TO-263

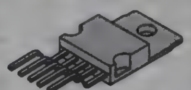


PPAK

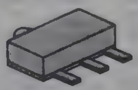
TO-92



TO-220AB



Pentawatt



SOT-89

STMICROELECTRONICS POSITIVE FIXED VOLTAGE REGULATORS

Very Low Drop

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-LF15CDT	LF15CDT	TO-252	1.5	1.0	1.0	10	10	-40 to +125	**.88**	**.86**	**.80**
511-LK115D25	LK115D25	SO-8	2.5	0.1	0.17	10	20	-40 to +125	**.66**	**.65**	**.60**
511-LF25CDT-TR	LF25CDT	TO-252	2.5	0.5	0.2	12	10	-40 to +125	**.96**	**.94**	**.87**
511-LD2981ABM33	LD2981ABM33TR	SOT-23-5L	3.3	0.1	0.2	0.014	- - - - -	-40 to +125	**.84**	**.82**	**.76**
511-LF33CDT-TR	LF33CDT-TR	TO-252	3.3	0.5	0.2	16	16	-40 to +125	**.96**	**.94**	**.87**
511-LF33CPT	LF33CPT	PPAK	3.3	1.0	0.4	16	16	-40 to +125	**1.32**	**1.19**	**.99**
511-KF33BDT-TR	KF33BDT-TR	TO-252	3.3	1.0	0.2	18	50	-40 to +125	**.92**	**.90**	**.83**
511-LD2980ABM50	LD2980ABM50TR	SOT-23-5L	5.0	0.05	0.12	0.014	- - - - -	-40 to +125	**1.03**	**1.02**	**.94**
511-LD2980CM50	LD2980CM50TR	SOT-23-5L	5.0	0.05	0.12	0.014	- - - - -	-40 to +125	**.68**	**.67**	**.62**
511-LE50ABD	LE50ABD	SO-8	5.0	0.1	0.20	20	15	-40 to +125	**.70**	**.69**	**.63**
511-LD2981ABM50	LD2981ABM50TR	SOT-23-5L	5.0	0.1	0.2	0.014	- - - - -	-40 to +125	**1.11**	**1.10**	**1.01**
511-LD2981ABU50	LD2981ABU50TR	SOT-89	5.0	0.1	0.2	0.014	- - - - -	-40 to +125	**.99**	**.98**	**.90**
511-LM2931AD50	LM2931AD50R	SO-8	5.0	0.1	0.25	10	50	-40 to +125	**.51**	**.47**	**.43**
511-LM2931ADT50R	LM2931ADT50	TO-252	5.0	0.1	0.25	10	50	-40 to +125	**.51**	**.47**	**.43**
511-L4931CD50	L4931CD50	SO-8	5.0	0.3	0.4	21	18	-40 to +125	**.74**	**.73**	**.67**
511-LF50CPT	LF50CPT-TR	PPAK	5.0	1.0	0.4	25	25	-40 to +125	**1.09**	**1.08**	**.99**
511-KF50BDT	KF50BDT	TO-252	5.0	1.0	0.2	18	50	-40 to +125	**.80**	**.78**	**.72**
511-KF50BDT-TR	KF50BDT-TR	TO-252	5.0	1.0	0.2	18	50	-40 to +125	**.80**	**.78**	**.72**
511-LD29150DT50R	LD29150DT50R	TO-252	5.0	1.5	0.1	1	0.5	-40 to +125	**1.09**	**1.08**	**.99**
511-LD29150PT50R	LD29150PT50R	PPAK	5.0	1.5	0.1	1	0.5	-40 to +125	**.90**	**.88**	**.81**
511-L4940D2T5	L4940D2T5	TO-263	5.0	1.5	0.5	10	25	-40 to +150	**1.79**	**1.76**	**1.62**
511-LF80ABDT-TR	LF80ABDT-TR	TO-252	8.0	0.5	0.35	40	40	-40 to +125	**.99**	**.98**	**.90**
511-LF90CDT	LF90CDT	TO-252	9.0	1.0	0.40	45	45	-40 to +125	**.96**	**.94**	**.87**
Thru Hole											
511-LD29150V25	LD29150V25	TO-220AB	2.5	1.5	0.1	1	0.5	-40 to +125	**1.09**	**1.08**	**.99**
511-LE30ABZ	LE30ABZ	TO-92	3.0	0.1	0.2	15	15	-40 to +125	**.66**	**.65**	**.60**
511-LF30CV	LF30CV	TO-220AB	3.0	0.5	0.2	15	15	-40 to +125	**.84**	**.82**	**.76**
511-LE33ABZ	LE33ABZ	TO-92	3.3	0.1	0.2	15	15	-40 to +125	**.66**	**.65**	**.60**
511-LE33CZ-TR	LE33CZ-TR	TO-92	3.3	0.1	0.2	20	25	-40 to +125	**.39**	**.36**	**.33**
511-L4931ABV33	L4931ABV33	TO-220AB	3.3	0.3	0.4	15	15	-40 to +125	**.70**	**.69**	**.63**
511-LF33ABV	LF33ABV	TO-220AB	3.3	0.5	0.2	16	16	-40 to +125	**.88**	**.86**	**.80**
511-LF33CV	LF33CV	TO-220AB	3.3	0.5	0.2	16	16	-40 to +125	**.84**	**.82**	**.76**
511-LE40CZ	LE40CZ	TO-92	4.0	0.1	0.2	30	25	-40 to +125	**.56**	**.55**	**.51**
511-LF47CV	LF47CV	TO-220AB	4.7	0.5	0.2	23	23	-40 to +125	**.84**	**.82**	**.76**
511-LM2931AV50	LM2931AV50	TO-220AB	5.0	0.1	0.25	10	50	-40 to +125	**.51**	**.47**	**.43**
511-LM2931AZ50R	LM2931AZ50R	TO-92	5.0	0.1	0.25	10	33	-40 to +125	**.35**	**.32**	**.29**
511-LE50ABZ	LE50ABZ	TO-92	5.0	0.1	0.2	20	15	-40 to +125	**.66**	**.65**	**.60**
511-L4931CZ50-AP	L4931CZ50-AP	TO-92	5.0	0.3	0.4	21	18	-40 to +125	**.66**	**.65**	**.60**
511-LF50CV	LF50CV	TO-220AB	5.0	0.5	0.2	25	25	-40 to +125	**.90**	**.88**	**.81**
511-L4947H	L4947H	Pentawatt	5.0	0.5	0.4	10	60	-40 to +125	**2.57**	**2.53**	**2.20**
511-LF50CP	LF50CP	TO-220AB	5.0	1.0	0.4	25	25	-40 to +125	**1.09**	**1.08**	**.99**

Ultra Low Drop

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-LDS3985M33R	LDS3985M33R	SOT-23-5L	3.3	0.3	0.4	0.1	0.01	-40 to +125	**.41**	**.38**	**.34**

For Battery Charger

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Dropout Voltage (Typ) (V)	Line Regulation (Max) (mV)	Load Regulation (Max) (mV)	Temperature Range (°C)	Price Each		
									1	10	100
Thru Hole											
511-PB137ACV	PB137ACV	TO-220AB	13.7	1.5	2.1	150	100	-0 to +150	**.72**	**.71**	**.65**

TEXAS INSTRUMENTS Voltage Regulators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

GENERAL PURPOSE VOLTAGE REGULATORS

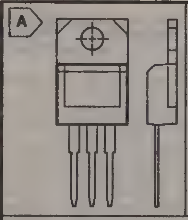
For quantities of 250 and up, call for quote.

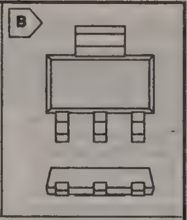
MOUSER STOCK NO.	TI Part No.	Fig.	Package	Output Voltage min (V)	Output Voltage max (V)	Vdo (typ) (V)	Iout (max) (A)	Output Level	Vin (max) (V)	Iq (max) (mA)	Price Each 1	Price Each 25	Price Each 100
595-LM337KC	LM337KC	A	TO-220-3	1.25	37	-	1.5	Negative	-	-	.93	.78	.62
595-LM317MDCY	LM317MDCY	B	SOT-223	1.25	37	-	1.5	Positive	40	-	.80	.60	.45
595-TL783CKC	TL783CKC	A	TO-220-3	1.25	125	-	0.7	Positive	150	-	1.60	1.28	.96
595-UA723CN	UA723CN	C	PDIP-14	2	37	-	0.15	Adjustable	40	4	.53	.48	.43
595-UA78M33CDCYR	UA78M33CDCYR	B	SOT-223	3.3	3.3	2	0.5	Positive	25	6	.34	.30	.27
595-UA78M33CKC	UA78M33CKC	A	TO-220-3	3.3	3.3	2	0.5	Positive	25	6	.60	.54	.49
595-UA78M33CKTPR	UA78M33CKTPR	D	PFM-2	3.3	3.3	2	0.5	Positive	25	6	.48	.43	.39
595-TL780-05CKC	TL780-05CKC	A	TO-220-3	5	5	2	1.5	Positive	25	8	.81	.68	.54
595-UA7805CKC	UA7805CKC	A	TO-220-3	5	5	2	1.5	Positive	25	8	.65	.58	.52
595-UA7805CKCS	UA7805CKCS	A	TO-220-3	5	5	2	1.5	Positive	25	8	.41	.37	.34
595-UA7805CKTER	UA7805CKTER	E	PFM-3	5	5	2	1.5	Positive	25	8	.65	.58	.52
595-UA78L05ACD	UA78L05ACD	F	SOIC-8	5	5	1.7	0.1	Positive	20	6	.19	.17	.16
595-UA78L05ACLP	UA78L05ACLP	G	TO-92	5	5	1.7	0.1	Positive	20	6	.19	.17	.16
595-UA78L05ACLPR	UA78L05ACLPR	G	TO-92	5	5	1.7	0.1	Positive	20	6	.19	.17	.16
595-UA78M05CDCYR	UA78M05CDCYR	B	SOT-223	5	5	2	0.5	Positive	25	6	.34	.30	.27
595-UA78M05CKC	UA78M05CKC	A	TO-220-3	5	5	2	0.5	Positive	25	6	.60	.54	.49
595-UA78M05CKTPR	UA78M05CKTPR	D	PFM-2	5	5	2	0.5	Positive	25	6	.48	.43	.39
595-UA78M05IDCYR	UA78M05IDCYR	B	SOT-223	5	5	2	0.5	Positive	25	6	.50	.45	.41
595-UA7808CKC	UA7808CKC	A	TO-220-3	8	8	2	1.5	Positive	25	8	.65	.58	.52
595-TL780-12CKC	TL780-12CKC	A	TO-220-3	12	12	2	1.5	Positive	30	8	.81	.68	.54
595-UA7812CKC	UA7812CKC	A	TO-220-3	12	12	2	1.5	Positive	30	8	.65	.58	.52
595-UA78M12CKC	UA78M12CKC	A	TO-220-3	12	12	2	0.5	Positive	30	6	.60	.54	.49

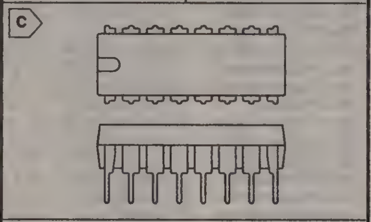
LOW DROPOUT VOLTAGE REGULATORS

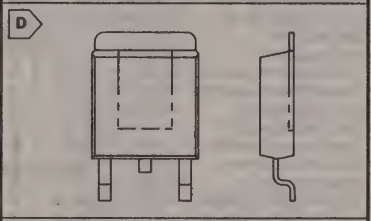
For quantities of 250 and up, call for quote.

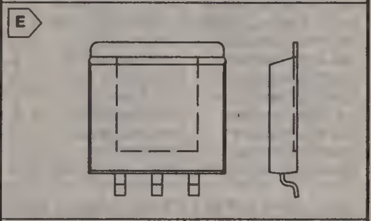
MOUSER STOCK NO.	TI Part No.	Fig.	Package	Output Voltage min (V)	Output Voltage max (V)	Vdo (typ) (mV)	Iout (max) (A)	Accuracy (%)	Vin (max) (V)	Iq (typ) (mA)	Price Each 1	Price Each 25	Price Each 100
595-TPS72325DBVT	TPS72325DBVT	H	SOT-23	-2.5	-2.5	280	0.2	2	-3	0.13	2.52	2.27	2.04
595-TPS73615DBVT	TPS73615DBVT	H	SOT-23	1.5	1.5	-	0.4	2	5.5	0.3	1.94	1.75	1.57
595-TPS75515KTTT	TPS75515KTTT	I	TO-263	1.5	1.5	250	5	-	5.5	0.11	7.20	6.48	5.82
595-TPS75715KTTT	TPS75715KTTT	I	TO-263	1.5	1.5	150	3	-	5.5	0.11	6.48	5.83	5.24
595-TPS75815KTTT	TPS75815KTTT	I	TO-263	1.5	1.5	150	3	3	5.5	0.11	6.48	5.83	5.24
595-REG1117A-1.8	REG1117A-1.8	B	SOT-223	1.8	1.8	1200	1	-	15	4	2.03	1.62	1.22
595-TPS72118DBVT	TPS72118DBVT	H	SOT-23	1.8	1.8	150	0.15	3	5.5	0.09	.98	.89	.80
595-TPS73118DBVT	TPS73118DBVT	H	SOT-23	1.8	1.8	30	0.15	1	5.5	0.4	1.03	.93	.83
595-TPS73618DBVT	TPS73618DBVT	H	SOT-23	1.8	1.8	75	0.4	2	5.5	0.3	1.94	1.75	1.57
595-TPS75718KTTT	TPS75718KTTT	I	TO-263	1.8	1.8	150	3	-	5.5	0.11	6.48	5.83	5.24
595-TPS75818KTTT	TPS75818KTTT	I	TO-263	1.8	1.8	150	3	3	5.5	0.11	6.48	5.83	5.24
595-TPS75918KTTT	TPS75918KTTT	I	TO-263	1.8	1.8	400	7.5	3	5.5	0.11	7.68	6.91	6.21
595-TPS76318DBVT	TPS76318DBVT	H	SOT-23	1.8	1.8	180	0.15	3	10	0.085	.84	.63	.47
595-TPS76918DBVR	TPS76918DBVR	H	SOT-23	1.8	1.8	200	1	2	5.5	0.31	.58	.52	.47
595-TPS71525DCKR	TPS71525DCKR	H	SC70-5	2.5	2.5	415	0.05	4	24	0.0032	.82	.73	.66
595-TPS73125DBVT	TPS73125DBVT	H	SOT-23	2.5	2.5	30	0.15	1	5.5	0.4	1.03	.93	.83
595-TPS73625DBVT	TPS73625DBVT	H	SOT-23	2.5	2.5	75	0.4	2	5.5	0.3	1.94	1.75	1.57
595-TPS75525KTTT	TPS75525KTTT	I	TO-263	2.5	2.5	290	5	-	5.5	0.11	7.20	6.48	5.82
595-TPS75925KTTT	TPS75925KTTT	I	TO-263	2.5	2.5	400	7.5	3	5.5	0.11	7.68	6.91	6.21
595-TPS79325DBVR	TPS79325DBVR	H	SOT-23	2.5	2.5	77	0.2	2	5.5	0.18	.53	.48	.43
595-TPS79525DCQ	TPS79525DCQ	B	SOT-223	2.5	2.5	110	0.5	3	5.5	0.265	2.52	2.27	2.04
595-LP2981-30DBVR	LP2981-30DBVR	H	SOT-23	3	3	-	0.1	1.25	16	0.6	.80	.60	.45
595-TPS79330DBVR	TPS79330DBVR	H	SOT-23	3	3.3	112	0.2	2	5.5	0.18	.53	.48	.43
595-TLV2217-33KC	TLV2217-33KC	A	TO-220-3	3.267	3.333	-	0.5	-	12	0.29	1.32	1.10	.88
595-LP2981-33DBVR	LP2981-33DBVR	H	SOT-23	3.3	3.3	-	0.1	1.25	16	0.6	.80	.60	.45
595-LP2981A-33DBVR	LP2981A-33DBVR	H	SOT-23	3.3	3.3	-	0.1	0.75	16	0.6	.88	.66	.50
595-LP2985A-33DBVR	LP2985A-33DBVR	H	SOT-23	3.3	3.3	-	0.15	1	16	0.85	.74	.56	.42
595-REG101NA-3.3/250	REG101NA-3.3/250	H	SOT-23	3.3	3.3	60	0.1	1.5	10	0.4	2.25	1.80	1.35
595-REG102NA-3.3/250	REG102NA-3.3/250	H	SOT-23	3.3	3.3	150	0.25	1.5	12	0.4	2.50	2.00	1.50
595-REG104GA-3.3	REG104GA-3.3	B	SOT-223	3.3	3.3	230	1	2	15	0.6	5.02	4.01	3.12
595-REG1117-3.3	REG1117-3.3	B	SOT-223	3.3	3.3	1100	0.8	-	15	4	1.90	1.52	1.14
595-REG1117F-3.3KTTT	REG1117F-3.3KTTT	I	TO-263	3.3	3.3	1100	0.8	-	15	4	2.45	1.96	1.64
595-TPS71533DCKR	TPS71533DCKR	H	SC70-5	3.3	3.3	415	0.05	4	24	0.0032	.82	.73	.66
595-TPS73133DBVT	TPS73133DBVT	H	SOT-23	3.3	3.3	30	0.15	1	5.5	0.4	1.03	.93	.83
595-TPS73233DBVT	TPS73233DBVT	H	SOT-23	3.3	3.3	115	0.15	-	10	0.09	1.49	1.34	1.20
595-TPS75533KTTT	TPS75533KTTT	I	TO-263	3.3	3.3	250	5	-	5.5	0.11	7.20	6.48	5.82
595-TPS75633KTTT	TPS75633KTTT	I	TO-263	3.3	3.3	250	5	3	5.5	0.11	7.20	6.48	5.82
595-TPS75733KTTT	TPS75733KTTT	I	TO-263	3.3	3.3	150	3	-	5.5	0.11	6.48	5.83	5.24
595-TPS75833KTTT	TPS75833KTTT	I	TO-263	3.3	3.3	150	3	3	5.5	0.11	6.48	5.83	5.24
595-TPS75933KTTT	TPS75933KTTT	I	TO-263	3.3	3.3	400	7.5	3	5.5	0.11	7.68	6.91	6.21
595-TPS76133DBVT	TPS76133DBVT	H	SOT-23	3.3	3.3	170	0.1	2	16	0.09	.89	.80	.72
595-TPS76333DBVR	TPS76333DBVR	H	SOT-23	3.3	3.3	300	0.15	3	10	0.085	.50	.45	.41
595-TPS76333DBVT	TPS76333DBVT	H	SOT-23	3.3	3.3	300	0.15	3	10	0.085	.50	.45	.41
595-TPS76733QD	TPS76733QD	F	SOIC-8	3.3	3.3	350	1	2	10	0.085	2.64	2.38	2.13
595-TPS76733QPWP	TPS76733QPWP	J	HTSSOP-20	3.3	3.3	350	1	2	10	0.085	2.64	2.38	2.13
595-TPS76833QPWP	TPS76833QPWP	J	HTSSOP-20	3.3	3.3	350	1	2	10	0.08	2.16	1.94	1.75
595-TPS76933DBVT	TPS76933DBVT	H	SOT-23	3.3	3.3	200	1	2	5.5	0.31	.58	.52	.47
595-TPS77033DBVT	TPS77033DBVT	H	SOT-23	3.3	3.3	48	0.05	3	10	0.017	.87	.73	.58
595-TPS77533D	TPS77533D	F	SOIC-8	3.3	3.3	169	0.5	2	10	0.087	2.28	2.05	1.84
595-TPS77633D	TPS77633D	F	SOIC-8	3.3	3.3	169	0.5	2	10	0.087	1.68	1.51	1.36
595-TPS79133DBVR	TPS79133DBVR	H	SOT-23	3.3	3.3	50	0.1	2	5.5	0.185	.96	.86	.78
595-TPS79333DBVR	TPS79333DBVR	H	SOT-23	3.3	3.3	102	0.2	2	5.5	0.18	.53	.48	.43
595-TPS79433DCQR	TPS79433DCQR	B	SOT-223	3.3	3.3	145	0.25	3	5.5	0.172	1.56	1.40	1.26
595-TPS79533DCQ	TPS79533DCQ	B	SOT-223	3.3	3.3	105	0.5	3	5.5	0.265	2.52	2.27	2.04
595-TPS79633DCQR	TPS79633DCQR	B	SOT-223	3.3	3.3	200	1	2	5.5	0.31	2.64	2.38	2.13
595-REG104FA-5KTTT	REG104FA-5KTTT	I	TO-263	5	5	320	1	2	15	0.6	5.52	4.42	4.14
595-REG104GA-5	REG104GA-5	B	SOT-223	5	5	320	1	2	15	0.6	5.02	4.01	3.12
595-REG1117-5	REG1117-5	B	SOT-223	5	5	1100	0.8	-	15	4	1.90	1.52	1.14
595-TL750L05CLP	TL750L05CLP	G	TO-92	5	5	600	0.15	4	26	1	.68	.51	.38
595-TPS71550DCKR	TPS71550DCKR	H	SC70-5	5	5	415	0.05	4	24	0.0032	.82	.73	.66
595-TPS73250DBVT	TPS73250DBVT	H	SOT-23	5	5	75	0.15	-	10	0.09	1.49	1.34	1.20
595-TPS76050DBVR	TPS76050DBVR	H	SOT-23	5	5	120	0.05	2	16	0.09	.86	.78	.70

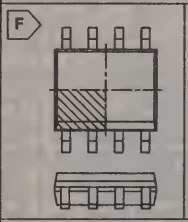


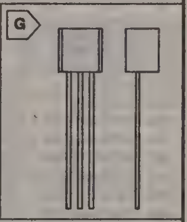


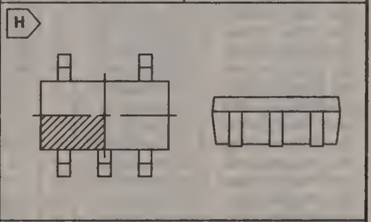


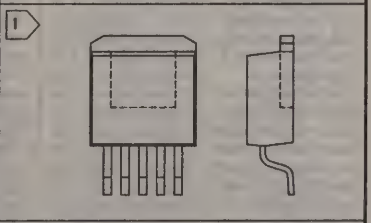


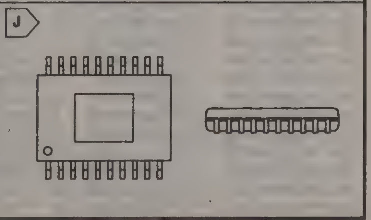












TEXAS INSTRUMENTS Voltage Regulators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

LOW DROPOUT VOLTAGE REGULATORS (CONT.)

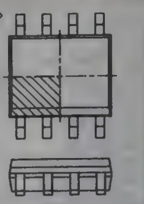
For quantities of 250 and up, call for quote.

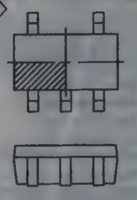
MOUSER STOCK NO.	TI Part No.	Fig.	Package	Output Voltage min (V)	Output Voltage max (V)	Vdo (typ) (V)	Iout (max) (A)	Output Level	Vin (max) (V)	Iq (max) (mA)	Price Each 1	Price Each 25	Price Each 100
595-UCC384DP-ADJ	UCC384DP-ADJ	A	SOIC-8	-1.25	-15	250	0.5	2.5	-15	0.2	4.39	3.51	2.73
595-TPS76201DBVR	TPS76201DBVR	B	SOT-23	0.7	5.5	100	0.1	-	10	0.022	.89	.80	.72
595-TPS51100DGQ	TPS51100DGQ	C	MSOP-10	1.2	3.6	-	3	-	5.25	0.5	1.92	1.73	1.55
595-TPS73101DBVT	TPS73101DBVT	B	SOT-23	1.2	5.5	30	0.15	1	5.5	0.4	1.03	.93	.83
595-TPS73601DBVT	TPS73601DBVT	B	SOT-23	1.2	5.5	75	0.4	2	5.5	0.3	1.94	1.75	1.57
595-TPS73601DCQR	TPS73601DCQR	D	SOT-223	1.2	5.5	75	0.4	2	5.5	0.3	2.16	1.94	1.75
595-TPS73601DRBT	TPS73601DRBT	E	SON-8	1.2	5.5	75	0.4	2	5.5	0.3	2.16	1.94	1.75
595-TPS76801QD	TPS76801QD	A	SOIC-8	1.2	5.5	230	1	2	10	0.08	2.16	1.94	1.75
595-TPS76801QPWP	TPS76801QPWP	F	HTSSOP-20	1.2	5.5	230	1	2	10	0.08	2.16	1.94	1.75
595-TPS77001DBVT	TPS77001DBVT	B	SOT-23	1.2	5.5	35	0.05	3	10	0.017	.70	.63	.56
595-TPS78601KTTR	TPS78601KTTR	G	TO-263	1.2	5.5	305	1.5	3	5.5	0.31	3.84	3.46	3.10
595-TPS78601KTTT	TPS78601KTTT	G	TO-263	1.2	5.5	305	1.5	3	5.5	0.31	3.84	3.46	3.10
595-TPS79301DBVR	TPS79301DBVR	B	SOT-23	1.2	5.5	77	0.2	2	5.5	0.18	.53	.48	.43
595-TPS79601KTTT	TPS79601KTTT	G	TO-263	1.2	5.5	200	1	2	5.5	0.31	3.12	2.81	2.52
595-TPS75501KTTT	TPS75501KTTT	G	TO-263	1.22	5	250	5	-	5.5	0.11	7.20	6.48	5.82
595-TPS70102PWP	TPS70102PWP	F	HTSSOP-20	1.22	5.5	170	0.5	-	-	-	3.60	3.24	2.91
595-TPS72501DCQ	TPS72501DCQ	D	SOT-223	1.22	5.5	170	1	2	6	0.075	2.64	2.38	2.13
595-TPS79401DGNT	TPS79401DGNT	H	MSOP-8	1.22	5.5	145	0.25	3	5.5	0.172	1.56	1.40	1.26
595-TPS79501DCQ	TPS79501DCQ	D	SOT-223	1.22	5.5	105	0.5	3	5.5	0.265	2.52	2.27	2.04
595-REG1117	REG1117	D	SOT-223	1.25	13.5	1100	0.8	-	15	4	1.90	1.52	1.14
595-REG1117A	REG1117A	D	SOT-223	1.25	13.5	1200	1	-	15	4	2.03	1.62	1.22
595-REG1117FAKTTT	REG1117FAKTTT	G	TO-263	1.25	13.5	1200	1	-	15	4	2.68	2.14	1.79
595-REG104FA-AKTTT	REG104FA-AKTTT	G	TO-263	1.295	5.5	230	1	2	15	0.6	5.52	4.42	4.14
595-REG104GA-A	REG104GA-A	D	SOT-223	1.295	5.5	230	1	2	15	0.6	5.02	4.01	3.12
595-TPS76301DBVT	TPS76301DBVT	B	SOT-23	1.5	6.5	180	0.15	3	10	0.085	.50	.45	.41
595-LP2985-18DBVR	LP2985-18DBVR	B	SOT-23	1.8	1.8	-	0.15	-	16	0.85	.72	.54	.41
595-TPS70151PWP	TPS70151PWP	F	HTSSOP-20	3.3	3.3	170	0.5	2	6	0.187	3.60	3.24	2.91
595-TPS7133QD	TPS7133QD	A	SOIC-8	3.3	3.3	235	0.5	0	10	0.285	3.00	2.70	2.43
595-TPS767D301PWP	TPS767D301PWP	F	HTSSOP-28	3.3	3.3	350	1	2	10	0.85	4.80	4.32	3.88
595-TPS767D318PWP	TPS767D318PWP	F	HTSSOP-28	3.3	3.3	350	1	2	10	0.085	4.80	4.32	3.88
595-TPS767D325PWP	TPS767D325PWP	F	HTSSOP-28	3.3	3.3	350	1	2	10	0.85	4.80	4.32	3.88
595-TPS76150DBVT	TPS76150DBVT	B	SOT-23	5	5	170	0.1	2	16	0.09	.89	.80	.72
595-TPS76350DBVT	TPS76350DBVT	B	SOT-23	5	5	180	0.15	3	10	0.085	.50	.45	.41
595-TPS76950DBVT	TPS76950DBVT	B	SOT-23	5	5	200	1	2	5.5	0.31	.58	.52	.47
595-TPS71501DCKR	TPS71501DCKR	I	SC70-5	5	5	415	0.05	4	24	0.0032	.82	.73	.66
595-TPS70302PWP	TPS70302PWP	F	HTSSOP-24	-	-	160	2	2	6	0.195	5.64	5.08	4.56
595-TPS70402PWP	TPS70402PWP	F	HTSSOP-24	-	-	160	2	2	6	0.195	5.64	5.08	4.56
595-TPS7101QDR	TPS7101QDR	A	SOIC-8	-	-	146	0.5	0	10	0.285	3.00	2.70	2.43
595-REG113NA-3.3/3K	REG113NA-3.3/3K	B	SOT-23	3.3	3.3	250	0.4	1.5	10	0.4	2.63	2.10	1.58

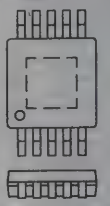
NON-ISOLATED SWITCHING DC/DC REGULATORS

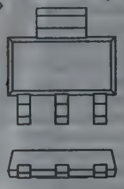
For quantities of 250 and up, call for quote.

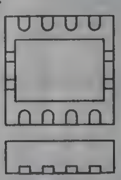
MOUSER STOCK NO.	TI Part No.	Fig.	Package	Output Voltage min (V)	Output Voltage max (V)	Switching Frequency (max) (kHz)	Iout (max) (A)	Duty Cycle (max) (%)	Vin (max) (V)	Iq (max) (mA)	Price Each 1	Price Each 25	Price Each 100
595-TL497ACD	TL497ACD	J	SOIC-14	-25	30	-	0.5	-	12	11	1.44	1.20	.96
595-TL497AIN	TL497AIN	K	PDIP-14	-25	30	-	0.5	-	12	11	1.33	1.06	.80
595-TPS60402DBVT	TPS60402DBVT	B	SOT-23	-1.6	-5.25	80	0.06	-	5.5	-	.74	.67	.60
595-TPS60403DBVT	TPS60403DBVT	B	SOT-23	-1.6	-5.25	400	0.06	-	5.5	-	.74	.67	.60
595-TPS54672PWP	TPS54672PWP	F	HTSSOP-28	0.2	4.5	700	6	90	6	11	8.04	7.24	6.50
595-TPS62020DGQR	TPS62020DGQR	C	MSOP-10	0.7	6	1500	0.6	100	6	0.018	3.84	3.46	3.10
595-TPS62040DGQ	TPS62040DGQ	C	MSOP-10	0.7	6	1500	1.2	100	6	0.018	4.56	4.10	3.69
595-TPS62050DGS	TPS62050DGS	C	MSOP-10	0.7	6	1000	0.8	100	10	0.012	4.44	4.00	3.59
595-TPS62200DBVR	TPS62200DBVR	B	SOT-23	0.7	6	1500	0.3	100	6	0.015	1.92	1.73	1.55
595-TPS54010PWP	TPS54010PWP	F	HTSSOP-28	0.9	2.5	700	14	90	4	13	12.72	11.45	10.28
595-TPS54110PWP	TPS54110PWP	F	HTSSOP-20	0.9	4.5	700	1.5	90	6	4.2	4.80	4.32	3.88
595-TPS54310PWP	TPS54310PWP	F	HTSSOP-20	0.9	3.3	700	3	87	6	6.2	5.64	5.08	4.56
595-TPS54350PWP	TPS54350PWP	F	HTSSOP-16	0.9	12	700	3	80	20	9	4.92	4.43	3.98
595-TPS54610PWP	TPS54610PWP	F	HTSSOP-28	0.9	4.5	700	6	90	6	11	8.04	7.24	6.50
595-TPS54810PWP	TPS54810PWP	F	HTSSOP-28	0.9	3.3	700	8	90	6	11	9.48	8.53	7.66
595-TPS54910PWP	TPS54910PWP	F	HTSSOP-28	0.9	2.5	700	9	90	4	11	10.08	9.07	8.15
595-TPS62000DGS	TPS62000DGS	C	MSOP-10	0.9	5	1000	0.6	100	5.5	0.05	3.12	2.81	2.52
595-TPS62110RSAT	TPS62110RSAT	L	QFN-16	1.2	16	1000	1.5	100	17	0.02	6.00	5.40	4.85
595-MC34063ADR	MC34063ADR	A	SOIC-8	1.55	40	100	-	-	40	-	.78	.65	.52
595-MC34063AP	MC34063AP	M	PDIP-8	1.55	40	100	-	-	40	-	.78	.65	.52
595-TPS61004DGS	TPS61004DGS	C	MSOP-10	2.8	2.8	840	0.2	100	-	0.05	2.16	1.94	1.75
595-TPS62007DGS	TPS62007DGS	C	MSOP-10	3.3	3.3	1000	0.6	100	5.5	0.05	3.36	3.02	2.72
595-TPS62056DGS	TPS62056DGS	C	MSOP-10	3.3	-	1000	0.8	100	10	0.012	4.44	4.00	3.59
595-TPS6735ID	TPS6735ID	A	SOIC-8	4	6.2	160	0.2	100	-	1.9	2.66	2.39	2.15
595-TPS54356PWP	TPS54356PWP	F	HTSSOP-16	4.5	20	700	3	80	-	9	4.92	4.43	3.98
595-TPS60110PWP	TPS60110PWP	F	HTSSOP-20	5	5	400	0.3	-	5.4	-	3.12	2.81	2.52
595-TPS61070DDCR	TPS61070DDCR	N	TO/SOT-6	5.5	1.8	1440	0.15	100	-	0.019	1.92	1.72	1.54
595-TPS61090RSAR	TPS61090RSAR	L	QFN-16	5.5	1.8	700	0.7	100	-	0.02	4.08	3.67	3.30
595-TPS65131RGET	TPS65131RGET	L	QFN-24	5.5	3.2	1500	2	100	-	0.5	7.20	6.48	5.82
595-TPS54357PWP	TPS54357PWP	F	HTSSOP-16	6.5	20	700	3	80	-	9	4.92	4.43	3.98
595-TPS61025DRCR	TPS61025DRCR	O	SON-10	6.5	-	720	0.5	100	-	0.025	3.36	3.02	2.72
595-TPS61027DRCR	TPS61027DRCR	O	SON-10	6.5	-	720	0.5	100	-	0.025	3.36	3.02	2.72
595-TPS54312PWP	TPS54312PWP	F	HTSSOP-20	-	-	700	3	90	6	6.2	5.64	5.08	4.56
595-TPS54313PWP	TPS54313PWP	F	HTSSOP-20	-	-	700	3	90	6	6.2	5.64	5.08	4.56
595-TPS54314PWP	TPS54314PWP	F	HTSSOP-20	-	-	700	3	90	6	6.2	5.64	5.08	4.56
595-TPS54315PWP	TPS54315PWP	F	HTSSOP-20	-	-	700	3	90	6	6.2	5.64	5.08	4.56
595-TPS54316PWP	TPS54316PWP	F	HTSSOP-20	-	-	700	3	90	6	6.2	5.64	5.08	4.56
595-TPS54612PWP	TPS54612PWP	F	HTSSOP-28	-	-	700	6	90	6	11	8.04	7.24	6.50
595-TPS54613PWP	TPS54613PWP	F	HTSSOP-28	-	-	700	6	90	6	11	8.04	7.24	6.50
595-TPS54614PWP	TPS54614PWP	F	HTSSOP-28	-	-	700	6	90	6	11	8.04	7.24	6.50
595-TPS54616PWP	TPS54616PWP	F	HTSSOP-28	-	-	700	6	90	6	11	8.04	7.24	6.50
595-TPS62046DGQ	TPS62046DGQ	C	MSOP-10	-	-	1500	1.2	100	6	0.018	4.56	4.10	3.69
595-TPS62203DBVT	TPS62203DBVT	B	SOT-23	-	-	1500	0.3	100	6	0.015	1.92	1.73	1.55

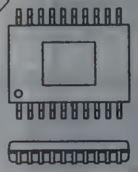
A


B


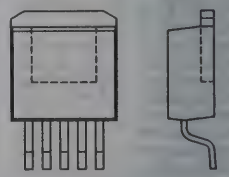
C


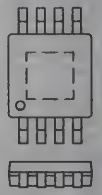
D


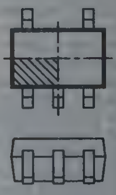
E


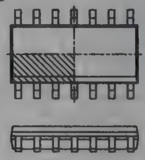
F


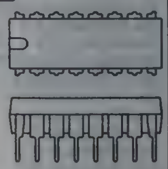
20 Pin shown

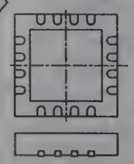
G


H


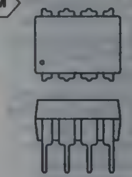
I


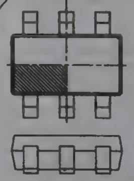
J


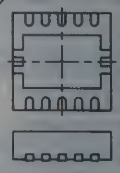
K


L


16 Pin shown

M


N


O


TEXAS INSTRUMENTS Converters and Comparators

Products may be RoHS compliant.
Check mouser.com for RoHS status.

NON-ISOLATED POINT OF LOAD

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Vin (min) (V)	Vin (max) (V)	Vout (V)	Iout (max) (V)	Price Each	
							1	25
96% Efficiency								
595-PTH05010WAS	PTH05010WAS	DIP-10	4.5	5.5	0.8	15	22.04	15.43
595-PTH05060WAS	PTH05060WAS	DIP-10	4.5	5.5	0.8	10	18.62	13.97
595-PTH05T210WAH	PTH05T210WAH	DIP-14	4.5	5.5	-	30	31.64	29.24
595-PTH05T210WAS	PTH05T210WAS	DIP-14	4.5	5.5	-	30	31.64	29.24
595-PTH08T220WAH	PTH08T220WAH	DIP-11	4.5	14	-	16	22.14	20.47
595-PTH08T220WAS	PTH08T220WAS	DIP-11	4.5	14	-	16	22.14	20.47
595-PTH08T240WAH	PTH08T240WAH	DIP-11	4.5	14	-	10	18.98	17.54
595-PTH08T240WAS	PTH08T240WAS	DIP-11	4.5	14	-	10	18.98	17.54
595-PTH08T210WAH	PTH08T210WAH	DIP-14	5.5	14	-	30	31.64	29.24
595-PTH08T210WAS	PTH08T210WAS	DIP-14	5.5	14	-	30	31.64	29.24
595-PTN78020WAH	PTN78020WAH	DIP-7	7	36	12.6	6	27.75	25.65
595-PTN78020WAS	PTN78020WAS	DIP-7	7	36	12.6	6	27.75	25.65
595-PTN78060WAH	PTN78060WAH	DIP-7	7	36	12.6	3	20.35	18.81
595-PTN78060WAS	PTN78060WAS	DIP-7	7	36	12.6	3	20.35	18.81
95% Efficiency								
595-PTH03010WAH	PTH03010WAH	DIP-10	2.95	3.65	0.8	15	20.39	18.84
595-PTH03000WAH	PTH03000WAH	DIP-5	3	3.6	0.9	6	13.80	10.35
595-PTH05050WAH	PTH05050WAH	DIP-6	4.5	5.5	0.8	6	13.12	9.84
595-PTH05050WAS	PTH05050WAS	DIP-6	4.5	5.5	0.8	6	13.12	9.84
595-PTV05010WAH	PTV05010WAH	SIP-8	4.5	5.5	3.6	8	12.14	11.22
595-PTN78000WAH	PTN78000WAH	DIP-5	7	36	12.6	1.5	14.80	13.68
595-PTN78000WAS	PTN78000WAS	DIP-5	7	36	12.6	1.5	14.80	13.68
595-PTV08T250WAH	PTV08T250WAH	DIP-21	8	14	3.6	50	63.27	58.48
595-PTH12060LAS	PTH12060LAS	DIP-10	10.8	13.2	1.8	10	17.22	15.92
94% Efficiency								
595-PTH04070WAH	PTH04070WAH	DIP-5	3	5.5	-	3	6.92	6.49
595-PTH04070WAS	PTH04070WAS	DIP-5	3	5.5	-	3	6.92	6.49
595-PTH05000WAH	PTH05000WAH	DIP-5	4.5	5.5	0.9	6	13.80	10.35
595-PTH12030LAH	PTH12030LAH	DIP-13	10.2	13.8	1.2	26	29.88	27.62
595-PTH12030WAH	PTH12030WAH	DIP-13	10.2	13.8	1.2	26	29.88	27.62
595-PTH12030WAS	PTH12030WAS	DIP-13	10.2	13.8	1.2	26	29.88	27.62
93% Efficiency								
595-PTH03020WAH	PTH03020WAH	DIP-10	2.95	3.65	0.8	22	26.36	24.37
595-PTH03020WAS	PTH03020WAS	DIP-10	2.95	3.65	0.8	22	26.36	24.37
595-PTH03030WAH	PTH03030WAH	DIP-13	2.95	3.65	0.8	30	29.88	27.62
595-PTH03030WAS	PTH03030WAS	DIP-13	2.95	3.65	0.8	30	29.88	27.62
595-PTH08080WAH	PTH08080WAH	DIP-5	4.5	18	-	2.25	6.92	6.49
595-PTH08080WAS	PTH08080WAS	DIP-5	4.5	18	-	2.25	6.92	6.49
595-PTH12050WAH	PTH12050WAH	DIP-6	10.8	13.2	1.2	6	13.12	9.84
595-PTH12050WAS	PTH12050WAS	DIP-6	10.8	13.2	1.2	6	13.12	9.84
595-PTV12010WAH	PTV12010WAH	SIP-8	10.8	13.2	5.5	8	12.14	11.22
595-PTV12020WAH	PTV12020WAH	SIP-12	10.8	13.2	5.5	16	20.39	18.84
92% Efficiency								
595-PTH12000WAH	PTH12000WAH	DIP-5	10.8	13.2	1.2	6	13.80	10.35
90% Efficiency								
595-PT78HT205H	PT78HT205H	SIP-3	9	28	5	2	19.98	18.47
595-PT78HT205V	PT78HT205V	SIP-3	9	28	5	2	19.98	18.47
595-PT5101C	PT5101C	SIP-3	9	38	5	1	13.28	12.28
595-PT5101N	PT5101N	SIP-3	9	38	5	1	13.28	12.28
595-PT6302A	PT6302A	SIP-12	9	38	5	3	21.55	19.92
595-PT6302N	PT6302N	SIP-12	9	38	5	3	21.55	19.92
595-PT6304N	PT6304N	SIP-12	16	38	12	3	21.55	19.92
89% Efficiency								
595-DCP020505P	DCP020505P	PDIP-7	4.5	5.5	5.25	0.4	11.58	10.43
595-DCP020505U	DCP020505U	SOP-12	4.5	5.5	5.25	0.4	11.75	10.58
595-DCP020515DP	DCP020515DP	PDIP-7	4.5	5.5	15.75	0.066	11.58	10.43
595-DCP020515DU	DCP020515DU	SOP-12	4.5	5.5	15.75	0.066	11.75	10.58
595-DCR010505P	DCR010505P	PDIP-10	4.5	5.5	5.1	0.2	9.91	8.93
595-DCR010505U	DCR010505U	SO-28	4.5	5.5	5.1	0.2	10.50	9.45
88% Efficiency								
595-PTH03050YAH	PTH03050YAH	DIP-6	2.95	3.65	-	6	12.14	11.22
595-PTH03050YAS	PTH03050YAS	DIP-6	2.95	3.65	-	6	12.14	11.22
85% Efficiency								
595-DCP010505BP	DCP010505BP	PDIP-7	4.5	5.5	5.25	0.2	8.91	8.03
595-DCP010505BP-U	DCP010505BP-U	SOP-7	4.5	5.5	5.25	0.2	8.91	8.03
595-DCP010505DBP	DCP010505DBP	PDIP-7	4.5	5.5	5.75	0.1	9.83	8.85
595-DCP010512DBP	DCP010512DBP	PDIP-7	4.5	5.5	12.6	0.041	9.83	8.85
595-DCP010512DBP-U	DCP010512DBP-U	SOP-7	4.5	5.5	12.6	0.041	9.83	8.85
595-DCP010515DBP	DCP010515DBP	PDIP-7	4.5	5.5	15.75	0.033	9.83	8.85
595-DCP010515DBP-U	DCP010515DBP-U	SOP-7	4.5	5.5	15.75	0.033	8.91	8.03
595-PT78ST105H	PT78ST105H	SIP-3	9	38	5	1.5	16.00	14.79
595-PT78ST105S	PT78ST105S	SIP-3	9	38	5	1.5	16.00	14.79
595-PT78ST105V	PT78ST105V	SIP-3	9	38	5	1.5	16.00	14.79
595-PT78ST112H	PT78ST112H	SIP-3	16	38	12	1.5	16.00	14.79
84% Efficiency								
595-PTN78000AAZ	PTN78000AAZ	DIP-5	7	29	-3	1.5	14.80	13.68

SINGLE CHANNEL COMPARATORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Sply Volt. (V) (max)	VIO (max) (mV)	Iq (max) (mA)	tRESP (us)	Price Each	
							1	25
Emitter, Open Collector								
595-LM211D	LM211D	SOP-8	30	3	6	0.115	.55	.44
595-LM211P	LM211P	DIP-8	30	3	6	0.115	.55	.44
Open Collector, Open Drain								
595-LM311D	LM311D	SOP-8	30	7.5	7.5	0.115	.50	.40
595-LM311P	LM311P	DIP-8	30	7.5	7.5	0.115	.50	.40
595-LMV331IDBVR	LMV331IDBVR	SOT-23-5	5.5	7	0.12	0.2	.96	.72
595-TL331IDBVR	TL331IDBVR	SOT-23-5	36	5	0.7	0.3	.50	.40
595-TLV3401IDBVR	TLV3401IDBVR	SOT-23	16	3.6	0.00055	80	1.63	1.30
Push-Pull								
595-LM306P	LM306P	DIP-8	24	5	10	0.028	1.29	1.08
595-TL3016CD	TL3016CD	SOP-8	10	3	12.5	0.0078	2.00	1.60
595-TL3116ID	TL3116ID	SOP-8	10	3	14.7	0.0099	2.20	1.76
595-TL712CD	TL712CD	SOP-8	5.25	5	20	0.025	1.38	1.15
595-TL714CP	TL714CP	DIP-8	5.25	10	12	0.006	2.70	2.16
595-TLV3012AIDCKT	TLV3012AIDCKT	SC70-6	5.5	12	0.005	6	1.88	1.50
595-TLV3491AIDBVT	TLV3491AIDBVT	SOT-23-5	5.5	15	0.0012	6	1.20	1.00

DUAL CHANNEL COMPARATORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Sply Volt. (V) (max)	VIO (max) (mV)	Iq (max) (mA)	tRESP (us)	Price Each	
							1	25
Open Collector, Open Drain								
595-LM2903D	LM2903D	SOP-8	30	7	0.5	0.3	.50	.40
595-LM2903DR	LM2903DR	SOIC-8	30	7	0.5	0.3	.50	.40
595-LM2903P	LM2903P	DIP-8	30	7	0.5	0.3	.50	.40
595-LM293D	LM293D	SOP-8	30	5	0.5	0.3	.55	.44
595-LM293P	LM293P	DIP-8	30	5	0.5	0.3	.55	.44
595-LM393AD	LM393AD	SOIC-8	30	2	0.5	0.3	.50	.40
595-LM393AP	LM393AP	DIP-8	30	2	0.5	0.3	.50	.40
595-LM393D	LM393D	SOIC	30	5	0.5	0.3	.45	.36
595-LM393P	LM393P	DIP-8	30	5	0.5	0.3	.45	.36
595-TLC372CD	TLC372CD	SOP-8	16	5	0.15	0.2	.84	.70
595-TLC372CP	TLC372CP	DIP-8	16	5	0.15	0.2	.84	.70
595-TLC372IP	TLC372IP	DIP-8	16	5	0.15	0.2	.90	.75
595-TLC393CP	TLC393CP	DIP-8	16	5	0.02	1.1	.93	.78
595-TLC393ID	TLC393ID	SOIC-8	16	5	0.02	1.1	1.02	.85
Push-Pull								
595-TLC3702CD	TLC3702CD	SOP-8	16	5	0.02	1.1	.87	.73
595-TLC3702CP	TLC3702CP	DIP-8	16	5	0.02	1.1	.87	.73
595-TLC3702ID	TLC3702ID	SOP-8	16	5	0.02	1.1	.93	.78
595-TLC3702IP	TLC3702IP	DIP-8	16	5	0.02	1.1	.93	.78
595-TLC3702MD	TLC3702MD	SOP-8	16	5	0.02	1.1	1.11	.93

QUAD CHANNEL COMPARATORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Sply Volt. (V) (max)	VIO (max) (mV)	Iq (max) (mA)	tRESP (us)	Price Each	
							1	25
Open Collector, Open Drain								
595-LM139D	LM139D	SOIC-14	36	5	0.5	0.3	1.20	1.00
595-LM239D	LM239D	SOP-14	30	5	0.5	0.3	.55	.44
595-LM239N	LM239N	DIP-14	30	5	0.5	0.3	.55	.44
595-LM2901D	LM2901D	SOP-14	30	7	0.5	0.3	.50	.40
595-LM2901N	LM2901N	DIP-14	30	7	0.5	0.3	.50	.40
595-LM339AD	LM339AD	SOP-14	30	2	0.5	0.3	.50	.40
595-LM339AN	LM339AN	DIP-14	30	2	0.5	0.3	.50	.40
595-LM339D	LM339D	SOP-14	30	5	0.5	0.3	.45	.36
595-LM339N	LM339N	DIP-14	30	5	0.5	0.3	.45	.36
595-LP339N	LP339N	DIP-14	30	5	0.025	1.3	.60	.45
595-TLC374CD	TLC374CD	SOP-14	16	5	0.15	0.2	1.02	.85
595-TLC374CN	TLC374CN	DIP-14	16	5	0.15	0.2	1.02	.85
595-TLC374ID	TLC374ID	SOP-14	16	5	0.15	0.2	1.11	.93
595-TLC3704CD	TLC3704CD	SOP-14	16	5	0.02	1.1	1.20	1.00
595-TLC3704ID	TLC3704ID	SOP-14	16	5	0.02	1.1	1.38	1.15

TEXAS INSTRUMENTS Power Management Products

TEXAS INSTRUMENTS

Products may be RoHS compliant.
Check mouser.com for RoHS status.

PWM POWER SUPPLY CONTROLLERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	PWM Outputs (#)	Control Method	Duty Cycle (max.) (%)	Frequency (max.) (kHz)	UVLO Thresholds On/Off (V)	Current Limiting	Price Each		
									1	25	100
595-UC2842N	UC2842N	PDIP-8	1	Current Mode	100	450	16/10	Yes	2.16	1.94	1.75
595-UC2843AD8	UC2843AD8	SOIC-8	1	Current Mode	100	450	8.4/7.6	Yes	2.06	1.86	1.67
595-UC2843D8	UC2843D8	SOIC-8	1	Current Mode	100	450	8.4/7.6	Yes	2.15	1.72	1.29
595-UC2845AD	UC2845AD	SOIC-14	1	Current Mode	50	450	8.4/7.6	Yes	2.40	2.16	1.94
595-UC2845AD8	UC2845AD8	SOIC-8	1	Current Mode	50	450	8.4/7.6	Yes	2.40	2.16	1.94
595-UC2845AN	UC2845AN	PDIP-8	1	Current Mode	50	450	8.4/7.6	Yes	2.40	2.16	1.94
595-UC3842AN	UC3842AN	PDIP-8	1	Current Mode	100	450	16/10	Yes	1.82	1.64	1.47
595-UC3843AD	UC3843AD	SOIC-14	1	Current Mode	100	450	8.4/7.6	Yes	1.82	1.64	1.47
595-UC3843AD8	UC3843AD8	SOIC-8	1	Current Mode	100	450	8.4/7.6	Yes	1.82	1.64	1.47
595-UC3843AN	UC3843AN	PDIP-8	1	Current Mode	100	450	8.4/7.6	Yes	1.90	1.52	1.14
595-UC3844N	UC3844N	PDIP-8	1	Current Mode	50	450	16/10	Yes	1.82	1.64	1.47
595-UC3845AD8	UC3845AD8	SOIC-8	1	Current Mode	50	450	8.4/7.6	Yes	1.82	1.64	1.47
595-TL3843P	TL3843P	PDIP-8	1	Current Mode	100	500	8.4/7.6	Yes	.88	.66	.50
595-UCC3804D	UCC3804D	SOIC-8	1	Current Mode	50	1000	12.5/8.3	Yes	3.38	2.97	2.70
595-UCC3813D-4	UCC3813D-4	SOIC-8	1	Current Mode	50	1000	12.5/8.3	Yes	2.00	1.76	1.48
595-UCC3813N-0	UCC3813N-0	PDIP-8	1	Current Mode	100	1000	7.2/6.9	Yes	2.00	1.76	1.60
595-TL494CD	TL494CD	SOIC-16	2	Voltage	45	300	-	-	.52	.39	.29
595-TL494CN	TL494CN	PDIP-16	2	Voltage	45	300	-	-	.52	.39	.29
595-TL494ID	TL494ID	SOIC-16	2	Voltage	45	300	-	-	.76	.57	.43
595-TL594CD	TL594CD	SOIC-16	2	Voltage	45	300	6.1/6	-	.96	.72	.54
595-TL594CN	TL594CN	PDIP-16	2	Voltage	45	300	6.1/6	-	.84	.63	.47
595-TL598CN	TL598CN	PDIP-16	2	Voltage	45	300	6.1/6	-	1.35	1.13	.90
595-UC3524AN	UC3524AN	PDIP-16	2	Voltage	50	450	7.5/7	Yes	3.89	3.50	3.14
595-UC3525AN	UC3525AN	PDIP-16	2	Voltage	50	450	7/6.8	Yes	2.40	2.16	1.94
595-UC3526ADW	UC3526ADW	SOIC-18	2	Voltage	50	450	7/6.8	Yes	2.40	2.16	1.94
595-UC3526AN	UC3526AN	PDIP-18	2	Voltage	50	450	7/6.8	Yes	2.25	1.80	1.40
595-UC3846N	UC3846N	PDIP-16	2	Current Mode	50	450	7.7/6.95	Yes	4.00	3.52	3.20
595-SG2524N	SG2524N	PDIP-16	2	Voltage	45	722	-	-	.67	.60	.54
595-SG3524D	SG3524D	SOIC-16	2	-	45	722	-	-	.84	.70	.56
595-SG3524N	SG3524N	PDIP-16	2	-	45	722	-	-	.84	.70	.56
595-UC3825AN	UC3825AN	PDIP-16	2	Current Mode,Voltage	50	1000	16/10	Yes	6.36	5.72	5.14
595-UC3825N	UC3825N	PDIP-16	2	Current Mode,Voltage	50	1000	9.2/8.4	Yes	3.65	3.28	2.95
595-UC3825Q	UC3825Q	PLCC-20	2	Current Mode,Voltage	50	1000	9.2/8.4	Yes	3.65	3.28	2.95

CONTROLLERS - DC/DC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Regulated Outputs (#)	Vin (max.) (V)	Vout (max.) (V)	Iout (max.) (A)	Switching Frequency (max.) (kHz)	Iq (typ) (mA)	Price Each		
									1	25	100
595-TPS51116PWP	TPS51116PWP	HTSSOP-20	1	28	3	10	400	0.8	4.32	3.88	3.49
595-TPS40007DGQ	TPS40007DGQ	MSOP-10	1	5.5	4	15	300	1.5	2.88	2.59	2.33
595-TPS40009DGQ	TPS40009DGQ	MSOP-10	1	5.5	4	15	600	1.5	2.88	2.59	2.33
595-TPS40021PWP	TPS40021PWP	HTSSOP-16	1	5.5	4	15	1000	1.5	2.76	2.48	2.23
595-TPS40130DBT	TPS40130DBT	SM8-30	1	40	6	50	1000	-	5.52	4.98	4.46
595-TPS64200DBVT	TPS64200DBVT	SOT-23	1	6.5	6.5	3	-	0.02	1.32	1.19	1.07
595-TPS64203DBVT	TPS64203DBVT	SOT-23	1	6.5	6.5	3	-	0.02	1.32	1.19	1.07
595-TPS40051PWP	TPS40051PWP	HTSSOP-16	1	40	35	20	1000	1.5	3.36	3.02	2.72
595-TPS40055PWP	TPS40055PWP	HTSSOP-16	1	40	35	20	1000	1.5	3.96	3.57	3.20
595-TPS40057PWP	TPS40057PWP	HTSSOP-16	1	40	35	20	1000	1.5	3.96	3.57	3.20
595-TL5001AIP	TL5001AIP	PDIP-8	1	40	50	3	400	1.1	1.30	1.04	.78
595-TL5001CD	TL5001CD	SOIC-8	1	40	50	3	400	1.1	1.29	1.08	.86
595-TL5001CDR	TL5001CDR	SOIC-8	1	40	50	3	400	1.1	1.29	1.08	.86
595-TPS51020DBT	TPS51020DBT	SM8-30	2	28	24	20	450	1.4	5.76	5.18	4.66
595-TL1451ACD	TL1451ACD	SOIC-16	2	50	50	3	500	1.7	2.25	1.80	1.35

USB POWER SWITCHES & CONTROLLERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Vin (max.) (V)	rDS(on) per FET (typ) (mΩ)	Continuous Current (max.) (A)	Current Limit (typ) (A)	Number of Switches	Enable	Price Each		
									1	25	100
595-TPS2021D	TPS2021D	SOIC-8	5.5	33	0.6	0.9	1	Low	2.40	2.16	1.94
595-TPS2031D	TPS2031D	SOIC-8	5.5	33	0.6	0.9	1	High	2.40	2.16	1.94
595-TPS2034D	TPS2034D	SOIC-8	5.5	33	2	3	1	High	2.40	2.16	1.94

PWM POWER DRIVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Vs (max.) (V)	Output Current (min.) (A)	Saturation Voltage (max.) (V)	rDS (on) (Ω)	Switching Frequency (kHz)	Iq (max.) (mA)	Price Each		
									1	25	100
595-DRV104PWPR	DRV104PWPR	HTSSOP-14	32	1.2	0.65	-	-	1	3.60	2.88	2.24
595-DRV101FKTWT	DRV101FKTWT	DDPAK-7	60	1.9	1	0.8	25	5	7.70	6.16	5.78
595-DRV101T	DRV101T	TO-220	60	1.9	1	0.8	25	5	7.70	6.16	5.20
595-DRV102FKTWT	DRV102FKTWT	DDPAK-7	60	2	2.2	-	-	9	7.70	6.16	5.78

POWER FACTOR CORRECTION (PFC) ICS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	UVLO Thold On/Off (V)	Operating Supply (max.) (V)	Operating Supply Current (mA)	Vref (V)	Vref Tolerance (%)	Duty Cycle (max.) (%)	Price Each		
									1	25	100
595-UC2854N	UC2854N	PDIP-16	16/10	30	10	7.5	1.3	95	3.50	3.08	2.80
595-UC3854N	UC3854N	PDIP-16	16/10	30	10	7.5	1.3	95	2.88	2.53	2.30

POWER MUXES & CURRENT LIMITED SWITCH

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Number of Inputs	IN1, IN2 Input Voltage (max.) (V)	IN1 rDS(on) (typ) (mΩ)	IN2 rDS(on) (typ) (Ω)	IN1 Output Current (max.) (A)	IN2 Output Current (max.) (A)	Price Each		
									1	25	100
595-TPS2113APWR	TPS2113APWR	TSSOP-8	2	5.5	84	0.084	1.25	1.25	1.80	1.62	1.46

TEXAS INSTRUMENTS Power Management

Products may be RoHS compliant.
Check mouser.com for RoHS status.

SUPERVISORY CIRCUITS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Number of Supervisors	ICC (max) (µA)	VCC (max) (V)	IDD (typ) (µA)	Reset Threshold Accuracy (%)	Time Delay (ms)	Open Collector/ Drain Output Driver	Price Each			
										1	25	100	250
595-TL7705ACD	TL7705ACD	SOIC-8	1	3000	18	1800	1.1	Prog	Yes	.56	.42	.32	.23
595-TL7705ACP	TL7705ACP	DIP-8	1	3000	18	1800	1.1	Prog	Yes	.56	.42	.32	.23
595-TL7757CLP	TL7757CLP	TO-226AA	1	40	7	1400	2.6	0.005	Yes	.43	.39	.35	.32
595-TLC7701ID	TLC7701ID	SOIC-8	1	16	6	9	5.5	Prog	-	1.55	1.24	.93	.87
595-TLC7701IDR	TLC7701IDR	SOIC-8	1	16	6	9	5.5	Prog	-	1.55	1.47	1.40	1.33
595-TLC7705ID	TLC7705ID	SOIC-8	1	16	6	9	1.8	Prog	-	1.55	1.24	.93	.87
595-TLC7733ID	TLC7733ID	SOIC-8	1	16	6	9	2.4	Prog	-	2.03	1.62	1.22	1.13
595-TLC7733IPW	TLC7733IPW	TSSOP-8	1	16	6	9	2.4	Prog	-	1.90	1.81	1.71	1.63
595-TLC7733IPWR	TLC7733IPWR	TSSOP-8	1	16	6	9	2.4	Prog	-	2.03	1.62	1.22	1.13
595-TPS3103E12DBVT	TPS3103E12DBVT	SOP-6	1	3	3.3	1.2	0.75	130	Yes	1.80	1.44	1.22	1.17
595-TPS3103K33DBVR	TPS3103K33DBVR	SOT-23	1	3	3.3	1.2	0.75	130	Yes	2.16	1.94	1.75	1.58
595-TPS3619-33DGK	TPS3619-33DGK	MSOP-8	1	40	5.5	15	2	100	-	2.64	2.38	2.13	1.93
595-TPS3801K33DCKR	TPS3801K33DCKR	SOP-5	1	25	6	9	2	200	-	.96	.86	.78	.70
595-TPS3802K33DCKR	TPS3802K33DCKR	SOP-5	1	18	4	9	2	400	-	.96	.86	.78	.70
595-TPS3803-01DCKR	TPS3803-01DCKR	SC70-5	1	4	6	3	1.5	0.005	Yes	.50	.45	.41	.37
595-TPS3808G01DBVT	TPS3808G01DBVT	SOT-23	1	5.7	6.5	2.4	0.5	Prog	Yes	1.68	1.51	1.36	1.23
595-TPS3808G09DBVR	TPS3808G09DBVR	SOT-23	1	5.7	6.5	2.4	0.5	Prog	Yes	1.68	1.51	1.36	1.23
595-TPS3808G25DBVR	TPS3808G25DBVR	SOT-23	1	5.7	6.5	2.4	0.5	Prog	Yes	1.68	1.51	1.36	1.23
595-TPS3808G30DBVR	TPS3808G30DBVR	SOT-23	1	5.7	6.5	2.4	0.5	Prog	Yes	1.68	1.51	1.36	1.23
595-TPS3808G33DBVT	TPS3808G33DBVT	SOT-23	1	5.7	6.5	2.4	0.5	Prog	Yes	1.68	1.51	1.36	1.23
595-TPS3808G50DBVR	TPS3808G50DBVR	SOT-23	1	5.7	6.5	2.4	0.5	Prog	Yes	1.68	1.51	1.36	1.23
595-TPS3809K33DBVR	TPS3809K33DBVR	SOT-23	1	25	6	9	2	200	-	.50	.45	.41	.37
595-TPS3809K33DBVT	TPS3809K33DBVT	SOT-23	1	25	6	9	2	200	-	.96	.72	.54	.51
595-TPS3820-33DBVT	TPS3820-33DBVT	SOT-23-5	1	25	5.5	15	2.4	25	-	1.32	1.19	1.07	.96
595-TPS3823-33DBVT	TPS3823-33DBVT	SOP-5	1	25	5.5	15	2.4	200	-	1.32	1.19	1.07	.96
595-TPS3825-33DBVT	TPS3825-33DBVT	SOT-23-5	1	25	5.5	15	2.4	200	-	1.10	.99	.89	.81
595-TPS3825-50DBVT	TPS3825-50DBVT	SOT-23-5	1	25	5.5	15	2	200	-	1.10	.99	.89	.81
595-TPS3828-33DBVT	TPS3828-33DBVT	SOT-23-5	1	25	5.5	15	2.4	200	Yes	1.32	1.19	1.07	.96
595-TPS3828-50DBVT	TPS3828-50DBVT	SOT-23-5	1	25	5.5	15	2	200	Yes	1.32	1.19	1.07	.96
595-TPS3838J25DBVT	TPS3838J25DBVT	SOT-23	1	0.45	6	0.25	2.5	10/200	Yes	2.04	1.84	1.65	1.49
595-TPS3838K33DBVT	TPS3838K33DBVT	SOT-23	1	0.45	6	0.25	2.6	10/200	Yes	2.04	1.84	1.65	1.49
595-UCC2946D	UCC2946D	SOIC-8	1	18	5.5	10	2	Prog	-	3.36	3.02	2.72	2.45
595-TPS3106K33DBVT	TPS3106K33DBVT	SOT-23	2	3	3.3	-	-	-	Yes	2.16	1.94	1.75	1.58
595-TPS3305-18D	TPS3305-18D	SOIC-8	2	40	6	-	-	Yes	-	2.40	2.16	1.94	1.75
595-TPS3305-33D	TPS3305-33D	SOIC-8	2	40	6	-	-	Yes	-	2.40	2.16	1.94	1.75
595-TPS3705-33D	TPS3705-33D	8-SOIC	2	50	3.3	-	-	-	Yes	1.68	1.34	1.01	.94
595-TPS3307-18D	TPS3307-18D	SOIC-8	3	40	6	15	2.7	200	-	2.52	2.27	2.04	1.84
595-TPS3307-25D	TPS3307-25D	SOIC-8	3	40	6	15	2.7	200	-	2.52	2.27	2.04	1.84
595-TPS3307-33D	TPS3307-33D	SOIC-8	3	40	6	15	2.7	200	-	2.52	2.27	2.04	1.84
595-TPS3307-33DGN	TPS3307-33DGN	MSOP-8	3	40	6	15	2.7	200	-	2.52	1.95	1.50	1.40
595-TPS3510P	TPS3510P	PDIP-8	3	1000	15	1000	9.1	300	-	1.08	.97	.87	.79

NON-VOLATIVE SRAM (NVSRAM) CONTROLLERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Memory Density (Kb)	Module	Supply Voltage (V)	Organization	Voltage Tolerance (%)	Controller	Price Each			
									1	25	100	250
595-BQ2201SN	BQ2201SN	SOIC-8	-	-	5	-	-	Yes	4.16	3.33	2.59	2.46
595-BQ4010MA-150	BQ4010MA-150	PDIP-28	64	Yes	5	8x8	5	-	16.38	13.65	10.92	9.83
595-BQ4010YMA-150N	BQ4010YMA-150N	PDIP-28	64	Yes	5	8x8	10	-	16.38	13.65	10.92	9.83
595-BQ4011MA-150	BQ4011MA-150	PDIP-28	256	Yes	5	32x8	5	-	18.90	15.75	12.60	11.34
595-BQ4013YMA-120	BQ4013YMA-120	PDIP-32	1024	Yes	5	128x8	10	-	23.94	19.95	15.96	14.36

CURRENT REFERENCES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	VI (min) (V)	VI (max) (V)	Iout/Iz (max) (mA)	Operating Temperature	Notes	Price Each			
								1	25	100	250
595-REF200AU	REF200AU	PDIP-8	2.5	40	0.1	-25 to 85	No power supply or ground connections	5.20	4.16	3.51	3.38

APPLICATION SPECIFIC MULTI-OUTPUT SOLUTIONS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Description	Price Each			
				1	25	100	250
595-TLC14CD	TLC14CD	SOIC-8	Butterworth Forth-Order Low-Pass Switched-Capacitor Filter	2.38	1.90	1.43	1.33
595-TLE2425CD	TLE2425CD	SOIC-8	Precision Virtual Ground	1.43	1.14	.86	.80
595-TLE2425CLP	TLE2425CLP	TO-92	Precision Virtual Ground	1.43	1.14	.86	.80
595-TLE2426CD	TLE2426CD	SOIC-8	Rail Splitter Precision Virtual Ground	1.30	1.04	.78	.73
595-TLE2426CLP	TLE2426CLP	TO-92	Rail Splitter Precision Virtual Ground	1.30	1.04	.78	.73
595-TLE2426ID	TLE2426ID	SOIC-8	Rail Splitter Precision Virtual Ground	1.30	1.04	.78	.73
595-TLE2426ILP	TLE2426ILP	TO-92-3	Rail Splitter Precision Virtual Ground	1.30	1.04	.78	.73
595-TPS75003RHLT	TPS75003RHLT	QFN-20	Triple-Supply Power Management IC for Powering FPGAs and DSPs	4.56	4.10	3.69	3.33
595-VFC110AP	VFC110AP	CDIP-14	High Frequency Voltage-to-Frequency Converter	25.30	17.71	16.45	16.19
595-VFC32KP	VFC32KP	PDIP-14	High Frequency Frequency-to-Voltage Converter	9.60	7.68	6.48	6.24

BATTERY FUEL GAUGE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Li-Ion	Communication Interface	Charge vs. Discharge	Battery Capacity	Battery Capacity Specifications		Price Each			
							(max) (mAh)	Li-Polymer	1	25	100	250
595-BQ27200DRKR	BQ27200DRKR	SON-10	Yes	I2C	C=D	300	10000	Yes	5.20	4.16	3.51	3.38

BATTERY CHARGE MANAGEMENT

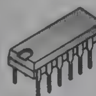
For quantities of 500 and up, call for quote.

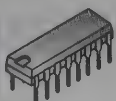
MOUSER STOCK NO.	Texas Instruments Part No.	Package	Lead Acid	Li-Ion	Li-Polymer	NiCd	NiMH	# Series Cells	Price Each			
									1	25	100	250
595-BQ2003S	BQ2003S	SOIC-16	No	No	No	Yes	Yes	Multiple	4.95	3.96	3.08	2.93
595-BQ24032ARHLR	BQ24032ARHLR	QFN-20	No	Yes	Yes	No	No	1	4.98	3.94	3.02	2.86
595-BQ25010RHLR	BQ25010RHLR	QFN-20	No	Yes	No	No	No	1	4.45	3.46	2.58	2.43
595-UC2906DW	UC2906DW	SOIC-16	Yes	No	No	No	No	-	6.60	5.94	5.34	4.81
595-UC2906N	UC2906N	PDIP-16	Yes	No	No	No	No	-	6.60	5.94	5.34	4.81
595-UC3906DW	UC3906DW	SOIC-16	Yes	No	No	No	No	Multiple	6.60	5.94	5.34	4.81
595-UC3906N	UC3906N	PDIP-16	Yes	No	No	No	No	Multiple	6.60	5.94	5.34	4.81

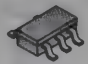
SILICONIX Power Management ICs

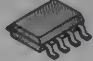
RoHS Compliant This page of product is compliant.

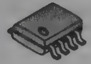
DIP-8

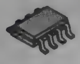

DIP-14

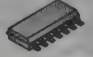

DIP-16

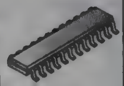

SOT-23-5

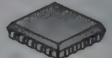

SO-8


TSSOP-8


MSOP-8


SO-14


SO-24


PLCC-20

SQFP-48

SWITCHMODE CONTROLLERS

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Input Voltage		Supply Voltage		Output Voltage			Switching Frequency (Min)(MHz)	Price Each			
			(Min)(V)	(Max)(V)	(Min)(V)	(Max)(V)	(Min)(V)	(Typ)(V)	(Max)(V)		1	100	500	1000
Surface Mount														
781-SI9111DY-E3	SI9111DY-E3	SO-14	10	120	9.5	13.5	3.60	4.00	4.40	1	2.31	1.87	1.76	1.60
781-SI9114ADY-E3	SI9114ADY-E3	SO-14	15	200	9.5	16.5	3.94	4.00	4.06	0.45	3.36	2.72	2.56	2.32
781-SI9113DY-T1-E3	SI9113DY-T1-E3	SO-14	23.5	200	10	14	1.275	1.30	1.325	0.5	1.87	1.51	1.42	1.29
Thru-Hole														
781-SI9120DJ-E3	SI9120DJ-E3	DIP-16	15	450	9.5	13.5	3.88	4.00	4.12	1	1.95	1.58	1.49	1.35

SWITCHMODE REGULATORS

RoHS Compliant

For quantities of 2000 and up, call for quote.

Surface Mount														
781-SI9100DN02-E3	SI9100DN02-E3	PLCC-20	10	70	9.5	13.5	3.92	4.00	4.08	1	2.92	2.36	2.22	2.02
Thru-Hole														
781-SI9100DJ02-E3	SI9100DJ02-E3	DIP-14	10	70	9.5	13.5	3.92	4.00	4.08	1	2.56	2.07	1.95	1.77

BUS INTERFACE-DRIVER AND RECEIVER

RoHS Compliant

The Si9200EY is designed to interface between the Intel 82526 CAN controller and the physical bus to provide drive capability to the bus and differential receive capability to the controller. It is designed to absorb typical electrical transients on the bus which may occur in an automotive or industrial application, and protect itself against any abnormal bus conditions. The transmitter will be disabled during these conditions and will be re-enabled when the abnormal condition is cleared. The Si9200EY is built using the Siliconix BiC/DMOS process. This process supports CMOS, DMOS, and isolated bipolar transistors and uses an epitaxial layer to prevent latchup. The bus line pins are diode protected and can be driven beyond the VDD to ground range. The Si9200EY is offered in the space efficient 8-pin high-density surface-mount plastic package and is specified over the automotive temperature range (–40 to 125°C).

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Supply Voltage Range (Max)(V)	Bus Load Resistance (Max)(Ω)	Continuous Output Current (Max)(mA)	Features	Price Each			
							1	100	500	1000
Surface Mount										
781-SI9200EY-E3	SI9200EY-E3	SO-8	- 0.3 to 12	60	+/-100	Survives ground shorts & transients, single power supply, Intel 82526 CAN compatible	2.18	1.77	1.66	1.51

POWER MOSFET DRIVERS

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Supply Voltage Range (Max)(V)	Output Drive Capacity	Input Drive Logic	Features	Protection	Price Each			
								1	100	500	1000
Surface Mount											
781-SI9910DY-T1-E3	SI9910DY-T1-E3	SO-8	- 0.3 to + 18	1 N-Ch	12V Logic	dv/dt, di/dt control	short circuit, over current, under voltage	1.45	1.17	1.10	1.00
781-SI9912DY-T1-E3	SI9912DY-T1-E3	SO-8	4.5 to 30	2 N-Ch	5V TTL/CMOS	250kHz to 1MHz switching, freq shutdown	undervoltage shoot through	1.70	1.38	1.30	1.17
781-SI9913DY-T1-E3	SI9913DY-T1-E3	SO-8	4.5 to 30	2 N-Ch	5V TTL/CMOS	250kHz to 1MHz switch, sync sw enable	undervoltage shoot through	1.70	1.38	1.30	1.17
Thru-Hole											
781-SI9910DJ-E3	SI9910DJ-E3	DIP-8	- 0.3 to + 18	1 N-Ch	12V Logic	dv/dt, di/dt control	short circuit, over current & under voltage	1.62	1.31	1.23	1.12

MOTOR CONTROLLERS

RoHS Compliant

For quantities of 2000 and up, call for quote.

Surface Mount											
781-SI9986CY-T1-E3	SI9986CY-T1-E3	SO-8	3.8 to 13.2	0.5A	TTL/CMOS	PWM, saturated	Shoot through	2.71	2.19	2.06	1.87
781-SI9986DY-T1-E3	SI9986DY-T1-E3	SO-8	3.8 to 13.2	0.5A	TTL/CMOS	PWM, saturated	Shoot through	2.81	2.28	2.14	1.94
781-SI9988DQ-T1-E3	SI9988DQ-T1-E3	TSSOP-8	3.8 to 13.2	0.6A	TTL/CMOS	PWM, saturated	Shoot through	3.23	2.62	2.46	2.23
781-SI9987CY-T1-E3	SI9987CY-T1-E3	SO-8	3.8 to 13.2	1A	TTL/CMOS	PWM, saturated	Shoot through	3.02	2.45	2.30	2.09
781-SI9987DY-T1-E3	SI9987DY-T1-E3	SO-8	3.8 to 13.2	1A	TTL/CMOS	PWM, saturated	Shoot through	3.78	3.06	2.88	2.61
781-SI9961ACY-E3	SI9961ACY-E3	SO-24	12	1A	Analog	Linear current mode	under voltage	6.34	5.13	4.83	4.38
781-SI9978DW-E3	SI9978DW-E3	SO-24	20 to 40	4 N-Ch	TTL/CMOS	PWM, brake, DC operation	Over current, under voltage	4.85	3.93	3.70	3.35
781-SI9979CS-E3	SI9979CS-E3	SQFP-48	20 to 40	6 N-Ch	TTL/CMOS	PWM hall sensor, computation, DC operation	Over current, under voltage, commutation error	7.85	6.36	5.98	5.42
781-SI9979DS-E3	SI9979DS-E3	SQFP-48	20 to 40	6 N-Ch	TTL/CMOS	PWM hall sensor, computation, DC operation	Over current, under voltage, commutation error	7.85	6.36	5.98	5.42

LOW DROP-OUT VOLTAGE REGULATOR

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Output Voltage (V)	Output Current (A)	Input Voltage		Drop-out Voltage (Max)(mV)	Line Regulation (Max)(%/V)	Shut-Down Supply Current (Max)(uA)	Price Each			
					(Min)(V)	(Max)(V)				1	100	500	1000
Adjustable Surface Mount													
781-SI9181DQ-AD-E3	SI9181DQ-AD-T1-E3	TSSOP-8	1.5 to 5	0.35	2.0	6.0	575	0.18	1	.48	.39	.37	.83
781-SI9182DH-AD-E3	SI9182DH-AD-T1-E3	MSOP-8	1.5 to 5	0.25	2.0	6.0	450	0.18	1	.67	.54	.51	.46
781-SI9183DT-AD-E3	SI9183DT-AD-T1-E3	SOT-23-3	1.5 to 5	0.15	2.0	6.0	380.0	0.18	1	.29	.24	.22	.20
Fixed Surface Mount													
781-SI9181DQ-30-E3	SI9181DQ-30-T1-E3	TSSOP-8	3.0	0.35	2.0	6.0	575	0.18	1	.48	.39	.37	.33
781-SI9181DQ-33-E3	SI9181DQ-33-T1-E3	TSSOP-8	3.3	0.35	2.0	6.0	575	0.18	1	.48	.39	.37	.33
781-SI9181DQ-50-E3	SI9181DQ-50-T1-E3	TSSOP-8	5.0	0.35	2.0	6.0	575	0.18	1	.48	.39	.37	.33
781-SI9182DH-30-E3	SI9182DH-30-T1-E3	MSOP-8	3.0	0.25	2.0	6.0	450	0.18	1	.67	.54	.51	.46
781-SI9182DH-33-E3	SI9182DH-33-T1-E3	MSOP-8	3.3	0.25	2.0	6.0	450	0.18	1	.67	.54	.51	.46
781-SI9182DH-50-E3	SI9182DH-50-T1-E3	MSOP-8	5.0	0.25	2.0	6.0	450	0.18	1	.67	.54	.51	.46
781-SI9183DT-30-E3	SI9183DT-30-T1-E3	SOT-23-5	3.0	0.15	2.0	6.0	380	0.18	1	.29	.24	.22	.20
781-SI9183DT-33-E3	SI9183DT-33-T1-E3	SOT-23-5	3.3	0.15	2.0	6.0	380	0.18	1	.29	.24	.22	.20
781-SI9183DT-50-E3	SI9183DT-50-T1-E3	SOT-23-5	5.0	0.15	2.0	6.0	380	0.18	1	.29	.24	.22	.20

ZETEX Voltage Regulators/References & Current References

ZETEX
SEMICONDUCTORS

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZETEX VERY LOW QUIESCENT CURRENT REFERENCES

MOUSER STOCK NO.	Zetex Part No.	Package	Reverse Breakdown Voltage (V)	Min. Current (μA)	Max. Current (mA)	Max. Temperature Coefficient (ppm/°C)	Max. Slope Resistance (Ω)	Price Each			
								1	25	100	250
◆ 522-ZXRE1004EFTA	ZXRE1004EFTA	SOT-23	1.22	4	20	75	0.5	.92	.67	.59	.41
◆ 522-ZXRE1004CFTA	ZXRE1004CFTA	SOT-23	1.22	4	20	75	0.5	1.88	1.37	1.22	.85
◆ 522-ZXRE1004DFTA	ZXRE1004DFTA	SOT-23	1.22	4	20	75	0.5	1.09	.79	.70	.49
522-ZXRE1004DR	ZXRE1004DR	E-Line	1.22	4	20	75	0.5	2.21	1.61	1.43	1.00
◆ 522-ZXRE125FR	ZXRE125FR	EP3-R	1.22	8 (Max)	20	75	2	1.07	.78	.69	.48
◆ 522-ZXRE125EFTA	ZXRE125EFTA	SOT-23	1.22	8 (Max)	20	75	2	.92	.67	.59	.41
◆ 522-ZXRE125FFTA	ZXRE125FFTA	SOT-23	1.22	8 (Max)	20	75	2	.84	.61	.54	.38
◆ 522-ZXRE125CFTA	ZXRE125CFTA	SOT-23	1.22	30 (Max)	5	90	2	1.74	1.26	1.12	.78
◆ 522-ZXRE125DFTA	ZXRE125DFTA	SOT-23	1.22	30 (Max)	5	90	2	1.09	.79	.70	.49
522-ZXRE125DR	ZXRE125DR	E-Line	1.22	30 (Max)	5	90	2	1.44	1.05	.93	.65
◆ 522-ZXRE4041DFTA	ZXRE4041DFTA	SOT-23	1.22	30 (Max)	12	75	0.6	.78	.56	.50	.35
◆ 522-ZXRE4041CFTA	ZXRE4041CFTA	SOT-23	1.225	30 (Max)	12	75	0.6	.99	.72	.64	.45
◆ 522-ZXRE4041EFTA	ZXRE4041EFTA	SOT-23	1.225	30 (Max)	12	75	0.6	.56	.41	.36	.25
522-ZXRE4041DR	ZXRE4041DR	E-Line	1.225	30 (Max)	12	75	0.6	1.44	1.05	.93	.65

ZETEX FIXED VOLTAGE REFERENCES

◆ 522-ZRC250F01TA	ZRC250F01TA	SOT-23	2.5	20	5	90	1	1.09	.79	.70	.49
522-ZRC250A01	ZRC250A01	E-Line	2.5	20	5	90	1	1.44	1.05	.93	.65
◆ 522-ZRC250F02TA	ZRC250F02TA	SOT-23	2.5	20	5	90	1	.92	.67	.59	.41
◆ 522-ZR285F02TA	ZR285F02TA	SOT-23	2.5	20	20	90	1	.81	.59	.52	.36
◆ 522-ZR285F03TA	ZR285F03TA	SOT-23	2.5	20	20	90	1	.68	.50	.44	.31
◆ 522-ZR285F01TA	ZR285F01TA	SOT-23	2.5	20	20	90	1	1.09	.79	.70	.49
◆ 522-ZR40401F25TA	ZR40401F25TA	SOT-23	2.5	50	20	90	2	.78	.56	.50	.35
522-ZR404005F25TA	ZR404005F25TA	E-Line	2.5	50	20	90	2	.99	.72	.64	.45
◆ 522-ZR40402F25TA	ZR40402F25TA	SOT-23	2.5	50	20	90	2	.56	.41	.36	.25
522-ZRC330A01	ZRC330A01	E-Line	3.3	20	5	50	2	1.44	1.05	.93	.65
◆ 522-ZRC330F01TA	ZRC330F01TA	SOT-23	3.3	20	5	50	2	1.09	.79	.70	.49
◆ 522-ZRC330F03TA	ZRC330F03TA	SOT-23	3.3	20	5	50	2	.84	.61	.54	.38
◆ 522-ZRC400F01TA	ZRC400F01TA	SOT-23L	4.096	18	23	90	2	1.14	.83	.73	.51
522-ZRC400A01	ZRC400A01	E-Line	4.096	23	5	90	2	1.44	1.05	.93	.65
◆ 522-ZRC400F03TA	ZRC400F03TA	SOT-23	4.096	23	5	90	2	.84	.61	.54	.38
◆ 522-ZR40401F41TA	ZR40401F41TA	SOT-23L	4.096	50	20	90	2	.78	.56	.50	.35
◆ 522-ZR40402F41TA	ZR40402F41TA	SOT-23	4.096	50	20	90	2	.56	.41	.36	.25
522-ZRC500A01	ZRC500A01	E-Line	5	25	5	90	2	1.44	1.05	.93	.65
◆ 522-ZRC500F01TA	ZRC500F01TA	SOT-23	5	25	5	90	2	1.09	.79	.70	.49
◆ 522-ZRB500F01TA	ZRB500F01TA	SOT-23	5	50	15	50	1.5	1.09	.79	.70	.49
◆ 522-ZR40401F50TA	ZR40401F50TA	SOT-25	5	50	20	90	1.5	.78	.56	.50	.35
◆ 522-ZR40402F50TA	ZR40402F50TA	SOT-23	5	50	20	90	1.5	.56	.41	.36	.25

ZETEX PROGRAMMABLE VOLTAGE REFERENCES

Operating Temperature Range: -40°C to 85°C

MOUSER STOCK NO.	Zetex Part No.	Package	Reference Voltage (V)	Min. Output Voltage (V)	Max. Output Voltage (V)	Min. Cathode Current (μA)	Max. Cathode Current (mA)	Price Each			
								1	25	100	250
◆ 522-ZR431LF02TA	ZR431LF02TA	SOT-23	1.24	1.2	10	100	25	.59	.43	.38	.27
522-ZR431LC02L	ZR431LC02	TO-92	1.24	1.24	10	100	25	.70	.51	.45	.32
◆ 522-ZR431LF01TA	ZR431LF01TA	SOT-23	1.24	1.24	10	100	25	.78	.56	.50	.35
522-ZR431C01L	ZR431C01L	TO-92	2.5	2.5	20	50	100	.81	.59	.52	.36
◆ 522-ZR431F005TA	ZR431F005TA	SOT-23	2.5	2.5	20	50	100	.82	.60	.53	.37
◆ 522-ZR431F01TA	ZR431F01TA	SOT-23	2.5	2.5	20	50	100	.59	.43	.38	.27
◆ 522-ZR431FTA	ZR431FTA	SOT-23	2.5	2.5	20	50	100	.47	.34	.30	.21

ZETEX ZSR SERIES - FIXED VOLTAGE REGULATORS

MOUSER STOCK NO.	Zetex Part No.	Package	Output Voltage (V)	Max. Output Current (mA)	Max Quiescent Current (μA)	Typical Drop-Out Voltage (V)	Max Line Regulation (mV)	Max. Load Regulation (mV)	Price Each			
									1	25	100	250
522-ZSR285CL	ZSR285CL	TO-92	2.85	200	600	1.7	40	25	1.32	.98	.59	.51
522-ZSR300CL	ZSR300CL	TO-92	3	200	600	1.7	40	25	1.73	1.28	.77	.67
◆ 522-ZSR300GTA	ZSR300GTA	SOT-223	3	200	600	1.7	40	25	1.62	1.20	.72	.63
522-ZSR330CL	ZSR330CL	TO-92	3.3	200	600	1.7	30	25	1.73	1.28	.77	.67
522-ZSR400CL	ZSR400CL	TO-92	4	200	600	1.7	40	25	1.73	1.28	.77	.67
522-ZSR485CL	ZSR485CL	TO-92	4.85	200	600	1.7	40	25	1.32	.98	.59	.51
◆ 522-ZSR485GTA	ZSR485GTA	SOT-223	4.85	200	600	1.7	40	25	2.16	1.60	.96	.84
522-ZSR500CL	ZSR500CL	TO-92	5	200	600	1.7	40	25	1.73	1.28	.77	.67
◆ 522-ZSR500GTA	ZSR500GTA	SOT-223	5	200	600	1.7	40	25	1.62	1.20	.72	.63
522-ZSR520CL	ZSR520CL	TO-92	5.2	200	600	1.7	40	25	1.73	1.28	.77	.67
522-ZSR600CL	ZSR600CL	TO-92	6	200	600	1.7	40	30	1.32	.98	.59	.51
522-ZSR800CL	ZSR800CL	TO-92	6	200	600	1.7	40	30	1.32	.98	.59	.51
◆ 522-ZSR800GTA	ZSR800GTA	SOT-223	8	200	600	1.7	40	30	2.16	1.60	.96	.84
522-ZSR900CL	ZSR900CL	TO-92	9	200	600	1.7	40	30	1.32	.98	.59	.51
◆ 522-ZSR900GTA	ZSR900GTA	SOT-223	9	200	600	1.7	40	30	2.16	1.60	.96	.84
522-ZSR1000CL	ZSR1000CL	TO-92	10	200	600	1.7	40	30	1.73	1.28	.77	.67
◆ 522-ZSR1000GTA	ZSR1000GTA	SOT-223	10	200	600	1.7	40	30	1.62	1.20	.72	.63
522-ZSR1200CL	ZSR1200CL	TO-92	12	200	650	1.7	40	30	1.32	.98	.59	.51
◆ 522-ZSR1200GTA	ZSR1200GTA	SOT-223	12	200	650	1.7	40	30	2.16	1.60	.96	.84

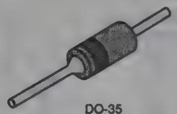
ZETEX ZXCL SERIES - VERY SMALL MICROPOWER LOW DROPOUT REGULATORS

MOUSER STOCK NO.	Zetex Part No.	Package	Output Voltage (V)	Dropout Voltage IL=50mA (mV)	Max. Load Current (mA)	Typical Quiescent Current (μA)	Typical Shutdown Current μA	Output Noise Voltage μV rms	Price Each			
									1	25	100	250
◆ 522-ZXCL250E5TA	ZXCL250E5TA	SOT-23-5	2.50	85	100	25.0	0.01	50	.92	.68	.41	.36
◆ 522-ZXCL250H5TA	ZXCL250H5TA	SC70	3	85	100	25.0	0.01	50	.92	.68	.41	.36
◆ 522-ZXCL280E5TA	ZXCL280E5TA	SOT-23-5	3	85	150	25.0	0.01	50	.92	.68	.41	.36
◆ 522-ZXCL280H5TA	ZXCL280H5TA	SC70	3	85	150	25.0	0.01	50	.92	.68	.41	.36
◆ 522-ZXCL300E5TA	ZXCL300E5TA	SOT-23-5	3	85	150	25.0	0.01	50	.92	.68	.41	.36
◆ 522-ZXCL330E5TA	ZXCL330E5TA	SOT-23-5	3	85	150	25.0	0.01	50	.92	.68	.41	.36
◆ 522-ZXCL330H5TA	ZXCL330H5TA	SC70	3	85	150	25.0	0.01	50	.92	.68	.41	.36
◆ 522-ZXCL400H5TA	ZXCL400H5TA	SC70	4	85	150	25.0	0.01	50	1.31	.97	.58	.51

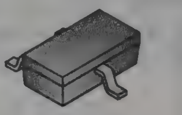
ZETEX ZMR SERIES - MINIATURE VOLTAGE REGULATORS

MOUSER STOCK NO.	Zetex Part No.	Package	Max. Input Voltage (V)	Output Voltage (V)	Max. Output Current (mA)	Max Quiescent Current (μA)	Typical Drop-Out Voltage (V)	Max Line Regulation (mV)	Max. Load Regulation (mV)	Price Each			
										1	25	100	250
522-ZMR250CL	ZMR250CL	TO-92	20	2.5	50	40	1.7	15	30	1.96	1.45	.87	.76
◆ 522-ZMR250FTA	ZMR250FTA	SOT-23	20	2.5	50	40	1.7	15	30	1.32	.98	.59	.51
522-ZMR500CL	ZMR500CL	TO-92	20	5	50	70	1.7	15	40	2.05	1.52	.91	.80
◆ 522-ZMR500FTA	ZMR500FTA	SOT-23	20	5	50	70	1.7	15	40	1.32	.98	.59	.51

AVAGO Diodes

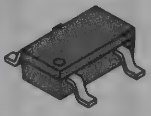


DO-35

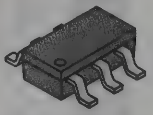


SOT-23

SC-70



SOT-143



SOT-363

SOD-523

AVAGO SCHOTTKY DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	I_F	V_{RRM} (Max)	FV@ 100mA	Price Each			
						1	10	50	100
630-1N5711	1N5711	DO-35	70	410	2.0	1.70	1.60	1.41	1.28
630-1N5712	1N5712	DO-35	20	550	1.2	4.05	3.83	3.37	3.06
630-5082-2800	5082-2800	DO-35	70	410	2.0	1.70	1.60	1.41	1.28
630-5082-2810	5082-2810	DO-35	20	410	1.2	4.00	3.78	3.32	3.02
630-5082-2811	5082-2811	DO-35	15	410	1.2	3.39	3.20	2.82	2.56
630-5082-2835	5082-2835	DO-35	8	340	1.0	1.70	1.60	1.41	1.28

AVAGO PIN DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Avago Part No.	Package	I_F	V_{RRM} (Max)	FV@ 100mA	Price Each			
						1	10	50	100
630-5082-3077	5082-3077	DO-35	200	1.5	0.3	8.08	7.32	6.41	5.80
630-5082-3080	5082-3080	DO-35	100	2.5	0.4	4.11	3.72	3.26	2.95
630-5082-3081	5082-3081	DO-35	100	3.5	0.4	3.60	3.26	2.86	2.58
630-HSMP-3810-BLKG	HSMP-3810-BLKG	SOT-23	100	3.0	0.35	.53	.48	.42	.38
630-HSMP-3810-TR1G	HSMP-3810-TR1G	SOT-23	100	3.0	0.35	.53	.48	.42	.38
630-HSMP-3812-TR1G	HSMP-3812-TR1G	SOT-23	100	3.0	0.35	.85	.77	.67	.61
630-HSMP-3814-BLKG	HSMP-3814-BLKG	SOT-23	100	3.0	0.35	.85	.77	.67	.61
630-HSMP-3814-TR1G	HSMP-3814-TR1G	SOT-23	100	3.0	0.35	.85	.77	.67	.61
630-HSMP-3820-TR1G	HSMP-3820-TR1G	SOT-23	50	0.6	0.8	.34	.31	.27	.25
630-HSMP-3822-BLKG	HSMP-3822-BLKG	SOT-23	50	0.6	0.8	.50	.46	.40	.36
630-HSMP-3822-TR1G	HSMP-3822-TR1G	SOT-23	50	0.6	0.8	.50	.46	.40	.36
630-HSMP-3824-BLKG	HSMP-3824-BLKG	SOT-23	50	0.6	0.8	.50	.46	.40	.36
630-HSMP-3824-TR1G	HSMP-3824-TR1G	SOT-23	50	0.6	0.8	.50	.46	.40	.36
630-HSMP-3862-TR1G	HSMP-3862-TR1G	SOT-23	50	3	0.2	.64	.58	.50	.46
630-HSMP-3890-TR1G	HSMP-3890-TR1G	SOT-23	100	2.5	0.3	.42	.38	.34	.30
630-HSMP-3892-BLKG	HSMP-3892-BLKG	SOT-23	100	2.5	0.3	.64	.58	.50	.46
630-HSMP-3892-TR1G	HSMP-3892-TR1G	SOT-23	100	2.5	0.3	.64	.58	.50	.46
630-HSMP-4820-BLKG	HSMP-4820-BLKG	SOT-323	50	0.75	1	.64	.58	.50	.46
630-HSMP-482B-BLKG	HSMP-482B-BLKG	SOT-323	50	0.75	1	.69	.62	.55	.49
630-HSMS-2800-BLKG	HSMS-2800-BLKG	SOT-23	70	35	2	.40	.38	.33	.30
630-HSMS-2800-TR1G	HSMS-2800-TR1G	SOT-23	70	35	2	.40	.38	.33	.30
630-HSMS-2802-BLKG	HSMS-2802-BLKG	SOT-23	70	35	2	.58	.55	.48	.44
630-HSMS-2802-TR1G	HSMS-2802-TR1G	SOT-23	70	35	2	.58	.55	.48	.44
630-HSMS-2804-TR1G	HSMS-2804-TR1G	SOT-23	70	35	2	.58	.55	.48	.44
630-HSMS-2805-BLKG	HSMS-2805-BLKG	SOT-143	70	35	2	.58	.55	.48	.44
630-HSMS-2805-TR1G	HSMS-2805-TR1G	SOT-143	70	35	2	.58	.55	.48	.44
630-HSMS-2810-BLKG	HSMS-2810-BLKG	SOT-23	20	15	1.2	.58	.55	.48	.44
630-HSMS-2810-TR1G	HSMS-2810-TR1G	SOT-23	20	15	1.2	.58	.55	.48	.44
630-HSMS-2812-BLKG	HSMS-2812-BLKG	SOT-23	20	15	1.2	.90	.85	.75	.68
630-HSMS-2812-TR1G	HSMS-2812-TR1G	SOT-23	20	15	1.2	.90	.85	.75	.68
630-HSMS-2814-TR1G	HSMS-2814-TR1G	SOT-23	20	15	1.2	.90	.85	.75	.68
630-HSMS-2815-BLKG	HSMS-2815-BLKG	SOT-143	20	15	1.2	.90	.85	.75	.68
630-HSMS-2815-TR1G	HSMS-2815-TR1G	SOT-143	20	15	1.2	.90	.85	.75	.68
630-HSMS-2820-BLKG	HSMS-2820-BLKG	SOT-23	15	12	1	.42	.40	.35	.32
630-HSMS-2820-TR1G	HSMS-2820-TR1G	SOT-23	15	12	1	.42	.40	.35	.32
630-HSMS-2822-BLKG	HSMS-2822-BLKG	SOT-23	15	12	1	.64	.60	.53	.48
630-HSMS-2822-TR1G	HSMS-2822-TR1G	SOT-23	15	12	1	.64	.60	.53	.48
630-HSMS-2824-BLKG	HSMS-2824-BLKG	SOT-23	15	12	1	.64	.60	.53	.48
630-HSMS-2825-BLKG	HSMS-2825-BLKG	SOT-143	15	12	1	.64	.60	.53	.48
630-HSMS-2825-TR1G	HSMS-2825-TR1G	SOT-143	15	12	1	.64	.60	.53	.48
630-HSMS-282K-BLKG	HSMS-282K-BLKG	SOT-363	15	12	1	.69	.65	.57	.52
630-HSMS-282K-TR1G	HSMS-282K-TR1G	SOT-363	15	12	1	.69	.65	.57	.52
630-HSMS-282P-BLKG	HSMS-282P-BLKG	SOT-363	15	12	1	1.33	1.25	1.10	1.00
630-HSMS-2850-BLKG	HSMS-2850-BLKG	SOT-143	-	-	0.3	.95	.90	.79	.72
630-HSMS-2850-TR1G	HSMS-2850-TR1G	SOT-143	-	-	0.3	.95	.90	.79	.72
630-HSMS-2852-BLKG	HSMS-2852-BLKG	SOT-23	-	-	0.3	1.17	1.10	.97	.88
630-HSMS-2852-TR1G	HSMS-2852-TR1G	SOT-23	-	-	0.3	1.17	1.10	.97	.88
630-HSMS-2855-BLKG	HSMS-2855-BLKG	SOT-143	-	-	0.3	1.17	1.10	.97	.88
630-HSMS-2855-TR1G	HSMS-2855-TR1G	SOT-143	-	-	0.3	1.17	1.10	.97	.88
630-HSMS-2862-BLKG	HSMS-2862-BLKG	SOT-23	4	-	0.3	.93	.88	.77	.70
630-HSMS-2865-TR1G	HSMS-2865-TR1G	SOT-143	4	-	0.3	.93	.88	.77	.70
630-HSMS-286C-TR1G	HSMS-286C-TR1G	SOT-323	4	-	0.3	1.01	.95	.84	.76
630-HSMS-286Y-BLKG	HSMS-286Y-BLKG	SOD-523	4	-	0.3	.40	.38	.33	.30
630-HSMS-8101-BLKG	HSMS-8101-BLKG	SOT-23	4	11	0.26	1.19	1.13	.99	.90
630-HSMS-8101-TR1G	HSMS-8101-TR1G	SOT-23	4	11	0.26	1.19	1.13	.99	.90
630-HSMS-8202-BLKG	HSMS-8202-BLKG	SOT-23	4	11	0.26	1.38	1.30	1.14	1.04
630-HSMS-8202-TR1G	HSMS-8202-TR1G	SOT-23	4	11	0.26	1.38	1.30	1.14	1.04

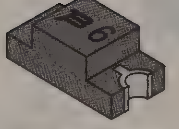
BOURNS SMD Diodes

SMD SWITCHING DIODES

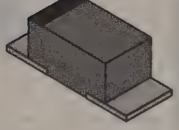
Bourns offers small-signal high-speed Switching Diodes for switching digital signal applications, in compact chip package size format, which offer PCB real estate savings and are considerably smaller than competitive parts. The diodes are lead-free with Cu/Ni/Au plated terminations and are compatible with lead-free manufacturing processes, conforming to many industry and government regulations on lead-free components. Bourns® Chip Diodes conform to JEDEC standards, easy to handle on standard pick and place equipment and their flat configuration makes roll away much more difficult.

RoHS Compliant

LEAD-FREE



CD0805 Series Illustrated



CD1607 Series Illustrated

Features:
- Leadless
- Lead-free
- High speed
- Low Profile Package
- Very Low Forward Voltage Drop

Applications:
- Cellular phones
- PDAs
- Desktop PCs and notebooks
- Digital cameras
- MP3 players

DIMENSIONS (mm)

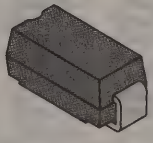
Package Size	Length ±0.2	Width ±0.2	Height (typ.)
0603	1.6	0.8	0.25
0805	2.0	1.2	0.40
1005	2.4	1.1	0.35
1206	3.0	1.4	0.50
1607	3.9	1.6	0.30

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Package Size	Repetitive Peak Reverse Vt.	Reverse Voltage (V_R)	Average Forward Current (mA)	$R_{ØJL}$	Junction Temperature T_J (°C)	Price Each				Piece Price By Reel	
								1	100	500	1000	Qty	Piece
SMD-Small Signal Switching Diode													
652-CD0603-S0180	CD0603-S0180	0603	90	80	100	150	-40 to +125	.08	.07	.06	.04	4000	.039
652-CD0603-S01575	CD0603-S01575	0603	100	75	150	150	-40 to +125	.08	.07	.06	.04	4000	.039
652-CD0603-S0180R	CD0603-S0180R	0603	90	80	100	150	-40 to +125	.10	.08	.06	.05	4000	.045
652-CD0805-S0180	CD0805-S0180	0805	90	80	100	300	-55 to +125	.06	.05	.04	.03	3000	.028
652-CD1005-S01575	CD1005-S01575	1005	100	75	150	300	-40 to +125	.06	.05	.04	.03	4000	.028
652-CD1005-S0180R	CD1005-S0180R	1005	90	80	100	300	-40 to +125	.07	.06	.05	.04	4000	.034
652-CD1206-S0180	CD1206-S0180	1206	90	80	100	300	-55 to +125	.06	.05	.04	.03	3000	.028
652-CD1206-S01575	CD1206-S01575	1206	100	75	150	350	-55 to +125	.06	.05	.04	.03	3000	.028
652-CD1206-S0180R	CD1206-S0180R	1206	90	80	100	300	-55 to +125	.07	.06	.04	.03	3000	.029
SMD-Small Signal Schottky Barrier Diode													
652-CD0603-B00340	CD0603-B00340	0603	45	40	30	150	-40 to +125	.12	.10	.08	.06	4000	.056
652-CD0603-B0130L	CD0603-B0130L	0603	35	30	100	150	-40 to +125	.15	.13	.10	.08	4000	.071
652-CD0603-B0145	CD0603-B0145	0603	50	45	100	150	-40 to +125	.15	.13	.10	.08	4000	.071
652-CD0603-B0230	CD0603-B0230	0603	35	30	200	150	-40 to +125	.17	.14	.11	.08	4000	.077
652-CD0603-B0245	CD0603-B0245	0603	50	45	200	150	-40 to +125	.17	.14	.11	.08	4000	.077
652-CD0805-B00340	CD0805-B00340	0805	45	40	30	200	-40 to +125	.11	.09	.07	.05	3000	.049
652-CD1005-B0130L	CD1005-B0130L	1005	35	30	100	250	-40 to +125	.14	.12	.09	.07	4000	.064
652-CD1005-B0145	CD1005-B0145	1005	50	45	100	250	-40 to +125	.14	.12	.09	.07	4000	.064
652-CD1005-B0230	CD1005-B0230	1005	35	30	200	250	-40 to +125	.15	.13	.10	.08	4000	.071
652-CD1005-B0245	CD1005-B0245	1005	50	45	200	250	-40 to +125	.15	.13	.10	.08	4000	.071
652-CD1607-B120	CD1607-B120	1607	20	20	1000	- - -	-55 to +125	.24	.20	.16	.12	2500	.112
652-CD1607-B120L	CD1607-B120L	1607	20	20	1000	- - -	-55 to +125	.27	.23	.18	.14	2500	.126
652-CD1607-B140	CD1607-B140	1607	40	40	1000	- - -	-55 to +125	.24	.20	.16	.12	2500	.112
652-CD1607-B140L	CD1607-B140L	1607	40	40	1000	- - -	-55 to +125	.27	.23	.18	.14	2500	.126

SMD SCHOTTKY RECTIFIER DIODES

Bourns offers Schottky Rectifier Diodes for rectification applications, in compact chip package DO-214AC (SMA) size format, which offer PCB real estate savings and are considerably smaller than competitive parts. The Schottky Rectifier Diodes offer a forward current of 1 A to 3 A with a choice of repetitive peak reverse voltage of 20 V up to 100 V.



Features:
- SMA package
- Surface mount
- Very low forward voltage drop

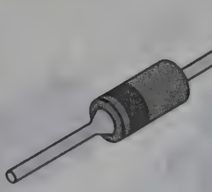
LEAD-FREE

For quantities of 4000 and up, call for quote.

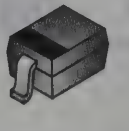
MOUSER STOCK NO.	Bourns Part No.	Package Size	Maximum RMS Voltage	Reverse Voltage (V_R)	Forward Current (A)	$R_{ØJL}$	Junction Temperature T_J (°C)	Price Each				Piece Price By Reel	
								1	100	500	1000	Qty	Piece
652-CD214A-B120	CD214A-B120	DO-214AC	14	20	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
652-CD214A-B130	CD214A-B130	DO-214AC	21	30	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
652-CD214A-B130L	CD214A-B130L	DO-214AC	21	30	1.0	35	-55 to +125	.29	.24	.19	.14	5000	.133
652-CD214A-B140	CD214A-B140	DO-214AC	28	40	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
652-CD214A-B150	CD214A-B150	DO-214AC	38	50	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
652-CD214A-B160	CD214A-B160	DO-214AC	42	60	1.0	20	-55 to +125	.14	.11	.09	.07	5000	.063
652-CD214A-B170	CD214A-B170	DO-214AC	49	70	1.0	25	-55 to +125	.24	.20	.16	.12	5000	.112
652-CD214A-B180	CD214A-B180	DO-214AC	56	80	1.0	25	-55 to +125	.24	.20	.16	.12	5000	.112
652-CD214A-B1100	CD214A-B1100	DO-214AC	70	100	1.0	25	-55 to +125	.24	.20	.16	.12	5000	.112
652-CD214A-B220	CD214A-B220	DO-214AC	14	20	2.0	15	-55 to +125	.23	.19	.15	.11	5000	.105
652-CD214A-B230	CD214A-B230	DO-214AC	21	30	2.0	15	-55 to +125	.23	.19	.15	.11	5000	.105
652-CD214A-B240	CD214A-B240	DO-214AC	28	40	2.0	15	-55 to +125	.23	.19	.15	.11	5000	.105
652-CD214A-B240L	CD214A-B240L	DO-214AC	28	40	2.0	18	-55 to +125	.29	.24	.19	.14	5000	.133
652-CD214A-B250	CD214A-B250	DO-214AC	35	50	2.0	15	-55 to +125	.24	.20	.16	.12	5000	.112
652-CD214A-B260	CD214A-B260	DO-214AC	42	60	2.0	15	-55 to +125	.24	.20	.16	.12	5000	.112
652-CD214A-B320	CD214A-B320	DO-214AC	14	20	3.0	10	-55 to +125	.32	.27	.22	.16	5000	.151
652-CD214A-B330	CD214A-B330	DO-214AC	21	30	3.0	10	-55 to +125	.32	.27	.22	.16	5000	.151
652-CD214A-B340	CD214A-B340	DO-214AC	28	40	3.0	10	-55 to +125	.32	.27	.22	.16	5000	.151
652-CD214A-B340L	CD214A-B340L	DO-214AC	28	40	3.0	20	-55 to +125	.35	.29	.23	.18	5000	.164
652-CD214A-B350	CD214A-B350	DO-214AC	35	50	3.0	10	-55 to +125	.35	.29	.23	.18	5000	.164
652-CD214A-B360	CD214A-B360	DO-214AC	42	60	3.0	10	-55 to +125	.35	.29	.23	.18	5000	.164

CENTRAL Diodes

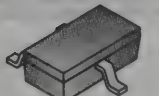
Products may be RoHS compliant.
Check mouser.com for RoHS status.



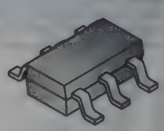
DO-35



SOD-323



SOT-23



SOT-563

CENTRAL SWITCHING DIODES

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	I_O (mA)	I_F (mA)	V_{RRM} (V)	PD (mW)	Price Each			
							1	25	100	250
610-1N914	1N914	DO-35	150	200	100	500	.06	.05	.04	.04
610-1N4152	1N4152	DO-35	150	-	40	500	.17	.16	.14	.13
◆ 610-CMHD3595	CMHD3595	SOD-123	150	-	150	400	.36	.33	.30	.27
◆ 610-CMXD2004	CMXD2004	SOT-26	200	225	300	250	.36	.33	.30	.27
610-1N3600	1N3600	DO-35	200	400	50	500	.28	.26	.25	.23
◆ 610-CMKD2836	CMKD2836	SOT-363	200	-	75	350	.30	.28	.25	.23
◆ 610-CMKD2838	CMKD2838	SOT-363	200	-	75	300	.30	.28	.25	.23
◆ 610-CMSD2836	CMSD2836	SOT-323	200	-	75	275	.23	.21	.19	.17
◆ 610-CMSD2838	CMSD2838	SOT-323	200	-	75	275	.23	.21	.19	.17
◆ 610-CMKD7000	CMKD7000	SOT-363	200	-	100	250	.30	.28	.25	.23
◆ 610-CMSD7000	CMSD7000	SOT-323	200	-	100	275	.23	.21	.19	.17
◆ 610-CMPD2836E	CMPD2836E	SOT-23	200	-	120	350	.12	.11	.10	.09
◆ 610-CMPD2838E	CMPD2838E	SOT-23	200	-	120	350	.13	.11	.09	.07
◆ 610-CMPD7000E	CMPD7000E	SOT-23	200	-	120	350	.13	.11	.09	.07
◆ 610-CMPD3003	CMPD3003	SOT-23	200	-	180	350	.35	.25	.21	.18
◆ 610-CMPD3003A	CMPD3003A	SOT-23	200	-	180	350	.23	.21	.18	.15
◆ 610-CMPD3003C	CMPD3003C	SOT-23	200	-	180	350	.23	.21	.18	.15
◆ 610-CMPD3003S	CMPD3003S	SOT-23	200	-	180	350	.23	.21	.18	.15
◆ 610-CMLD2004	CMLD2004	SOT-563	200	-	300	250	.42	.39	.35	.32
◆ 610-CMLD2004A	CMLD2004A	SOT-563	200	-	300	250	.48	.44	.40	.36
◆ 610-CMLD2004C	CMLD2004C	SOT-563	200	-	300	250	.48	.44	.40	.36
◆ 610-CMLD2004DO	CMLD2004DO	SOT-563	200	-	300	250	.48	.44	.40	.36
◆ 610-CMLD2004S	CMLD2004S	SOT-563	200	-	300	250	.48	.44	.40	.36
◆ 610-CMOD2004	CMOD2004	SOT-563	200	-	300	250	.25	.20	.17	.13
◆ 610-CMPD2004	CMPD2004	SOT-23	200	-	300	350	.55	.45	.43	.39
◆ 610-CMPD2004S	CMPD2004S	SOT-23	200	-	300	350	.50	.45	.40	.35
◆ 610-CMPD2005S	CMPD2005S	SOT-23	200	-	350	350	.38	.34	.31	.28
◆ 610-CMSD2004S	CMSD2004S	SOT-323	-	225	300	275	.44	.40	.36	.33
◆ 610-CMEDA-6I	CMEDA-6I	SOT-28	-	250	60	350	1.05	.96	.88	.79
◆ 610-CLL914	CLL914-TR	SOD-80	-	250	100	500	.10	.09	.08	.07
◆ 610-CMKD6001	CMKD6001	SOT-363	-	250	100	250	.30	.28	.25	.23
◆ 610-CMLD6001	CMLD6001	SOT-563	-	250	100	250	.32	.29	.25	.21
◆ 610-CMLD6001DO	CMLD6001DO	SOT-563	-	250	100	250	.36	.33	.28	.24
◆ 610-CMOD4448	CMOD4448	SOD-523	-	250	100	250	.17	.14	.11	.09
◆ 610-CMOD6001	CMOD6001	SOD-523	-	250	100	250	.27	.24	.22	.20
◆ 610-CMPD4448	CMPD4448	SOT-23	-	250	100	350	.24	.22	.19	.17
◆ 610-CMPD6001	CMPD6001	SOT-23	-	250	100	350	.32	.29	.26	.24
◆ 610-CMPD6001A	CMPD6001A	SOT-23	-	250	100	350	.32	.29	.26	.24
◆ 610-CMPD6001C	CMPD6001C	SOT-23	-	250	100	350	.32	.29	.26	.24
◆ 610-CMPD6001S	CMPD6001S	SOT-23	-	250	100	350	.38	.28	.24	.19
◆ 610-CMPD914	CMPD914	SOT-23	-	250	100	350	.18	.14	.12	.09
◆ 610-CMXD4448	CMXD4448	SOT-26	-	250	100	350	.27	.25	.23	.20
◆ 610-CMXD6001	CMXD6001	SOT-26	-	250	100	350	.33	.30	.28	.25
◆ 610-CMLD4448	CMLD4448	SOT-563	-	250	120	300	.39	.32	.25	.21
◆ 610-CMLD4448DO	CMLD4448DO	SOT-563	-	250	120	300	.30	.28	.25	.23
◆ 610-CMPD914E	CMPD914E	SOT-23	-	250	120	350	.09	.08	.08	.07

CENTRAL CURRENT REGULATING DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	I_F (mA)	POV (V)	PD (mW)	Price Each			
						1	25	100	250
610-1N5283	1N5283	DO-35	0.22	100	600	4.61	4.32	4.09	4.03
610-1N5284	1N5284	DO-35	0.24	100	600	4.75	4.29	3.99	3.43
610-1N5285	1N5285	DO-35	0.27	100	600	2.43	2.18	1.94	1.79
610-1N5286	1N5286	DO-35	0.3	100	600	2.77	2.54	2.33	2.02
610-1N5287	1N5287	DO-35	0.33	100	600	2.43	2.18	1.94	1.79
610-1N5288	1N5288	DO-35	0.39	100	600	2.35	2.16	1.97	1.60
610-1N5289	1N5289	DO-35	0.43	100	600	2.43	2.18	1.94	1.79
610-1N5290	1N5290	DO-35	0.47	100	600	4.75	4.29	3.99	3.43
610-1N5291	1N5291	DO-35	0.56	100	600	1.94	1.79	1.70	1.55
610-1N5292	1N5292	DO-35	0.62	100	600	2.04	1.96	1.75	1.61
610-1N5293	1N5293	DO-35	0.68	100	600	2.04	1.96	1.75	1.61
610-1N5294	1N5294	DO-35	0.75	100	600	2.42	2.23	2.04	1.84
610-1N5295	1N5295	DO-35	0.82	100	600	2.04	1.96	1.75	1.61
610-1N5296	1N5296	DO-35	0.91	100	600	2.11	2.01	1.79	1.65
610-1N5297	1N5297	DO-35	1	100	600	4.85	4.53	4.24	3.94

CENTRAL CURRENT REGULATING DIODES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	I_F (mA)	POV (V)	PD (mW)	Price Each			
						1	25	100	250
610-1N5298	1N5298	DO-35	1.1	100	600	1.78	1.63	1.49	1.21
610-1N5299	1N5299	DO-35	1.2	100	600	2.11	2.01	1.79	1.65
610-1N5301	1N5301	DO-35	1.4	100	600	2.04	1.96	1.75	1.61
610-1N5302	1N5302	DO-35	1.5	100	600	2.04	1.96	1.75	1.61
610-1N5303	1N5303	DO-35	1.6	100	600	2.04	1.96	1.75	1.61
610-1N5304	1N5304	DO-35	1.8	100	600	2.04	1.96	1.75	1.61
610-1N5305	1N5305	DO-35	2	100	600	5.52	5.12	4.72	4.33
610-1N5306	1N5306	DO-35	2.2	100	600	2.42	2.23	2.04	1.84
610-1N5307	1N5307	DO-35	2.4	100	600	1.94	1.79	1.70	1.55
610-1N5308	1N5308	DO-35	2.7	100	600	2.38	2.18	1.94	1.79
610-1N5309	1N5309	DO-35	3	100	600	4.75	4.29	3.99	3.43
610-1N5310	1N5310	DO-35	3.3	100	600	2.43	2.18	1.94	1.79
610-1N5311	1N5311	DO-35	3.6	100	600	2.77	2.54	2.33	2.02
610-1N5312	1N5312	DO-35	3.9	100	600	2.09	2.01	1.80	1.65
610-1N5313	1N5313	DO-35	4.3	100	600	2.35	2.16	1.97	1.60
610-1N5314	1N5314	DO-35	4.7	100	600	4.75	4.29	3.99	3.43

CENTRAL SCHOTTKY DIODES

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	V_{RRM} (V)	I_F (mA)	PD (mW)	Price Each			
						1	25	100	250
◆610-CMKSH-3DO	CMKSH-3DO	SOT-363	30	100	250	.30	.28	.25	.23
◆610-CMOSH-3	CMOSH-3	SOD-523	30	100	250	.30	.24	.20	.16
◆610-CMSSH-3	CMSSH-3	SOT-323	30	100	275	.36	.26	.22	.18
◆610-CMSSH-3A	CMSSH-3A	SOT-323	30	100	275	.40	.29	.25	.20
◆610-CMSSH-3C	CMSSH-3C	SOT-323	30	100	275	.33	.30	.28	.25
◆610-CMSSH-3S	CMSSH-3S	SOT-323	30	100	275	.33	.30	.28	.25
◆610-CMKSH-3T	CMKSH-3T	SOT-363	30	100	350	.30	.28	.25	.23
◆610-CMPSH-3C	CMPSH-3C	SOT-23	30	100	350	.53	.47	.42	.39
◆610-CMXSH-3	CMXSH-3	SOT-26	30	100	350	.33	.30	.28	.25
◆610-CMLSH-4	CMLSH-4	SOT-563	40	200	250	.30	.28	.26	.24
◆610-CMLSH-4DO	CMLSH-4DO	SOT-563	40	200	250	.33	.31	.29	.26
◆610-CMOSH-4E	CMOSH-4E	SOD-523	40	200	250	.20	.16	.13	.11
◆610-CMPSH-3AE	CMPSH-3AE	SOT-23	40	200	350	.40	.36	.32	.28
◆610-CMPSH-3CE	CMPSH-3CE	SOT-23	40	200	350	.24	.22	.20	.18
◆610-CMPSH-3E	CMPSH-3E	SOT-23	40	200	350	.20	.16	.13	.11
◆610-CMPSH-3SE	CMPSH-3SE	SOT-23	40	200	350	.26	.22	.18	.14
◆610-CMPSH1-4	CMPSH1-4	SOT-23F	40	1000	350	.30	.28	.26	.24
◆610-CMDD6263	CMDD6263	SOD-323	70	15	250	.24	.22	.20	.18
◆610-CMKD6263	CMKD6263	SOT-363	70	15	250	.33	.30	.28	.25
◆610-CMKD6263DO	CMKD6263DO	SOT-363	70	15	250	.35	.31	.29	.22
◆610-CMLD6263	CMLD6263	SOT-563	70	15	250	.24	.22	.20	.18
◆610-CMLD6263A	CMLD6263A	SOT-563	70	15	250	.30	.28	.25	.23
◆610-CMLD6263C	CMLD6263C	SOT-563	70	15	250	.30	.28	.25	.23
◆610-CMLD6263DO	CMLD6263DO	SOT-563	70	15	250	.30	.28	.25	.23
◆610-CMLD6263S	CMLD6263S	SOT-563	70	15	250	.30	.28	.25	.23
◆610-CMOD6263	CMOD6263	SOD-523	70	15	250	.27	.25	.23	.20
◆610-CMSD6263A	CMSD6263A	SOT-323	70	15	275	.36	.33	.30	.27
◆610-CMSD6263C	CMSD6263C	SOT-323	70	15	275	.36	.33	.30	.27
◆610-CMSD6263S	CMSD6263S	SOT-323	70	15	275	.36	.33	.30	.27
◆610-CMPD6263	CMPD6263	SOT-23	70	15	350	.24	.22	.20	.18
◆610-CMPD6263A	CMPD6263A	SOT-23	70	15	350	.30	.28	.25	.23
◆610-CMPD6263C	CMPD6263C	SOT-23	70	15	350	.30	.28	.25	.23
◆610-CMPD6263S	CMPD6263S	SOT-23	70	15	350	.33	.27	.22	.17
610-CDSH270	CDSH270A	DO-35	100	100	100	.35	.28	.25	.23

CENTRAL LOW NOISE ZENER DIODES

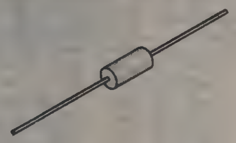
◆Surface Mount Device

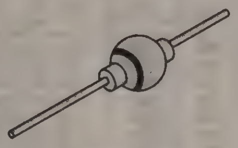
For quantities of 500 and up, call for quote.

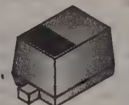
MOUSER STOCK NO.	Central Part No.	Package	V_{RRM} (V)	I_F (mA)	PD (mW)	Price Each			
						1	25	100	250
◆610-CMOZ5L6	CMOZ5L6	SOD-523	250	5.6	0.25	.30	.28	.25	.23
◆610-CMHZ4678	CMHZ4678	SOD-123	500	1.8	0.5	.33	.31	.29	.26
◆610-CMHZ4099	CMHZ4099	SOD-123	500	6.8	0.25	.33	.31	.29	.26
◆610-CMHZ4693	CMHZ4693	SOD-123	500	7.5	0.5	.33	.31	.29	.26
◆610-CMHZ4106	CMHZ4106	SOD-123	500	12	0.25	.33	.31	.29	.26
◆610-CMHZ4715	CMHZ4715	SOD-123	500	36	0.5	.33	.31	.29	.26

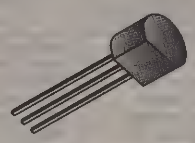
CENTRAL Diodes and Rectifiers

Products may be RoHS compliant.
Check mouser.com for RoHS status.


DO-201


GPR-3A


SOD-523


TO-92

CENTRAL ZENER DIODES

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	I_F (mA)	V_{RRM} (V)	PD (mW)	Price Each			
						1	25	100	250
610-1N4615	1N4615	DO-35	250	2	0.25	.32	.30	.28	.26
610-1N4617	1N4617	DO-35	250	2.4	0.25	.32	.30	.28	.26
◆610-CMOZ2V4	CMOZ2V4	SOD-523	250	2.4	5	.17	.15	.14	.12
◆610-CMDZ5221B	CMDZ5221B	SOD-323	250	2.4	20	.16	.14	.13	.12
◆610-CMDZ3L0	CMDZ3L0	SOD-323	250	3	0.5	.29	.27	.25	.23
◆610-CMOZ3V0	CMOZ3V0	SOD-523	250	3	5	.17	.15	.14	.12
◆610-CMOZ3L3	CMOZ3L3	SOD-523	250	3.3	0.25	.33	.27	.22	.17
◆610-CMDZ3V3	CMDZ3V3	SOD-323	250	3.3	5	.18	.16	.15	.14
◆610-CMDZ5226B	CMDZ5226B	SOD-323	250	3.3	20	.16	.14	.13	.12
610-1N4622	1N4622	DO-35	250	3.9	0.25	.32	.30	.28	.26
◆610-CMOZ4L3	CMOZ4L3	SOD-523	250	4.3	0.25	.30	.28	.25	.23
◆610-CMDZ5229B	CMDZ5229B	SOD-323	250	4.3	20	.16	.14	.13	.12
◆610-CMDZ5230B	CMDZ5230B	SOD-323	250	4.7	20	.16	.14	.13	.12
610-1N4625	1N4625	DO-35	250	5.1	0.25	.32	.30	.28	.26
◆610-CMOZ5L1	CMOZ5L1	SOD-523	250	5.1	0.25	.33	.27	.22	.17
◆610-CMDZ5L1	CMDZ5L1	SOD-323	250	5.1	0.5	.29	.27	.25	.23
◆610-CMDZ5231B	CMDZ5231B	SOD-323	250	5.1	20	.16	.14	.13	.12
610-1N4626	1N4626	DO-35	250	5.6	0.25	.49	.46	.42	.39
◆610-CMOZ5L6	CMOZ5L6	SOD-523	250	5.6	0.25	.30	.28	.25	.23
◆610-CMOZ6L2	CMOZ6L2	SOD-523	250	6.2	0.25	.30	.28	.25	.23
610-1N4099	1N4099	DO-35	250	6.8	0.25	.32	.30	.28	.26
◆610-CMOZ6L8	CMOZ6L8	SOD-523	250	6.8	0.25	.30	.28	.25	.23
◆610-CMDZ5235B	CMDZ5235B	SOD-323	250	6.8	20	.16	.14	.13	.12
◆610-CMDZ7V5	CMDZ7V5	SOD-323	250	7.5	5	.18	.16	.15	.14
◆610-CMOZ7V5	CMOZ7V5	SOD-523	250	7.5	5	.17	.15	.14	.12
◆610-CMDZ5236B	CMDZ5236B	SOD-323	250	7.5	20	.16	.14	.13	.12
◆610-CMOZ9L1	CMOZ9L1	SOD-523	250	9.1	0.25	.30	.28	.25	.23
◆610-CMDZ9L1	CMDZ9L1	SOD-323	250	9.1	0.5	.29	.27	.25	.23
◆610-CMOZ9V1	CMOZ9V1	SOD-523	250	9.1	5	.17	.15	.14	.12
610-1N4104	1N4104	DO-35	250	10	0.25	.32	.30	.28	.26
◆610-CMOZ10L	CMOZ10L	SOD-523	250	10	0.25	.30	.28	.25	.23
◆610-CMDZ10L	CMDZ10L	SOD-323	250	10	0.5	.29	.27	.25	.23
◆610-CMDZ5240B	CMDZ5240B	SOD-323	250	10	20	.16	.14	.13	.12
◆610-CMDZ5241B	CMDZ5241B	SOD-323	250	11	20	.16	.14	.13	.12
◆610-CMOZ12L	CMOZ12L	SOD-523	250	12	0.25	.30	.28	.25	.23
◆610-CMDZ5242B	CMDZ5242B	SOD-323	250	12	20	.16	.14	.13	.12
◆610-CMDZ5243B	CMDZ5243B	SOD-323	250	13	20	.16	.14	.13	.12
610-1N4109	1N4109	DO-35	250	15	0.25	.83	.74	.66	.61
◆610-CMOZ15L	CMOZ15L	SOD-523	250	15	0.25	.30	.28	.25	.23
◆610-CMDZ15L	CMDZ15L	SOD-323	250	15	0.5	.29	.27	.25	.23
610-1N4110	1N4110	DO-35	250	16	0.25	.32	.30	.28	.26
◆610-CMOZ16L	CMOZ16L	SOD-523	250	16	0.25	.30	.28	.25	.23
◆610-CMDZ16L	CMDZ16L	SOD-323	250	16	0.5	.29	.27	.25	.23
◆610-CMDZ5248B	CMDZ5248B	SOD-323	250	18	20	.16	.14	.13	.12
◆610-CMDZ20L	CMDZ20L	SOD-323	250	20	0.5	.29	.27	.25	.23
◆610-CMDZ5250B	CMDZ5250B	SOD-323	250	20	20	.16	.14	.13	.12
◆610-CMOZ22L	CMOZ22L	SOD-523	250	22	0.25	.30	.28	.25	.23
◆610-CMDZ24L	CMDZ24L	SOD-323	250	24	0.5	.29	.27	.25	.23
◆610-CMOZ24V	CMOZ24V	SOD-523	250	24	5	.17	.15	.14	.12
◆610-CMDZ30L	CMDZ30L	SOD-323	250	30	0.5	.29	.27	.25	.23
◆610-CMDZ5256B	CMDZ5256B	SOD-323	250	30	20	.16	.14	.13	.12
◆610-CMOZ36L	CMOZ36L	SOD-523	250	36	0.25	.30	.28	.25	.23
◆610-CMOZ43V	CMOZ43V	SOD-523	250	43	5	.30	.28	.25	.23
◆610-CMDZ5260B	CMDZ5260B	SOD-323	250	43	20	.16	.14	.13	.12
◆610-CMSZDA2V4	CMSZDA2V4	SOT-323	275	2.4	5	.17	.15	.13	.11
◆610-CMSZDA2V7	CMSZDA2V7	SOT-323	275	2.7	5	.17	.15	.13	.11
◆610-CMSZDA3V3	CMSZDA3V3	SOT-323	275	3.3	5	.17	.15	.13	.11
◆610-CMSZDA4V3	CMSZDA4V3	SOT-323	275	4.3	5	.23	.21	.20	.18
◆610-CMSZDA5V6	CMSZDA5V6	SOT-323	275	5.6	5	.23	.21	.19	.17
◆610-CMSZDA6V2	CMSZDA6V2	SOT-323	275	6.2	5	.23	.21	.19	.17
◆610-CMSZ5234B	CMSZ5234B	SOT-323	275	6.2	20	.15	.14	.12	.12
◆610-CMSZDA10V	CMSZDA10V	SOT-323	275	10	5	.23	.21	.19	.17
◆610-CMSZ5240B	CMSZ5240B	SOT-323	275	10	20	.15	.14	.12	.12
◆610-CMSZDA11V	CMSZDA11V	SOT-323	275	11	5	.23	.21	.19	.17
◆610-CMSZDA12V	CMSZDA12V	SOT-323	275	12	5	.23	.21	.19	.17
◆610-CMSZDA13V	CMSZDA13V	SOT-323	275	13	5	.23	.21	.19	.17
◆610-CMSZDA15V	CMSZDA15V	SOT-323	275	15	5	.23	.21	.19	.17
◆610-CMSZDA16V	CMSZDA16V	SOT-323	275	16	5	.23	.21	.19	.17
◆610-CMSZDA18V	CMSZDA18V	SOT-323	275	16.8	5	.23	.21	.20	.18
◆610-CMSZ5261B	CMSZ5261B	SOT-323	275	47	2.7	.15	.14	.12	.12
◆610-CMKTC825A	CMKTC825A	SOT-363	325	6.2	7.5	.84	.77	.70	.63
610-1N746A	1N746A	DO-35	500	3.3	20	.13	.12	.10	.09
610-1N747A	1N747A	DO-35	500	3.6	20	.13	.12	.10	.09
610-1N748A	1N748A	DO-35	500	3.9	20	.13	.12	.10	.09

CENTRAL ZENER DIODES (CONT.)

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	I_F (mA)	V_{RRM} (V)	PD (mW)	Price Each			
						1	25	100	250
610-1N749A	1N749A	DO-35	500	4.3	20	.13	.12	.10	.09
610-1N750A	1N750A	DO-35	500	4.7	20	.13	.12	.10	.09
610-1N751A	1N751A	DO-35	500	5.1	20	.13	.12	.10	.09
610-1N752A	1N752A	DO-35	500	5.6	20	.13	.12	.10	.09
610-1N753A	1N753A	DO-35	500	6.2	20	.13	.12	.10	.09
◆610-CLL5234B	CLL5234B	SOD-80	500	6.2	20	.04	.04	.04	.04
610-1N754A	1N754A	DO-35	500	6.8	20	.13	.12	.10	.09
◆610-CLL5235B	CLL5235B	SOD-80	500	6.8	20	1.13	1.00	.90	.85
610-1N756A	1N756A	DO-35	500	8.2	20	.13	.12	.10	.09
610-1N758A	1N758A	DO-35	500	10	20	.13	.12	.10	.09
610-1N759A	1N759A	DO-35	500	12	20	.13	.12	.10	.09
610-CZ5342B	CZ5342B	DO-201	5000	6.8	175	.52	.47	.42	.38
610-CZ5343B	CZ5343B	DO-201	5000	7.5	175	.52	.47	.42	.38
610-CZ5344B	CZ5344B	DO-201	5000	8.2	150	.52	.47	.42	.38
610-CZ5345B	CZ5345B	DO-201	5000	8.7	150	.52	.47	.42	.38
610-1N5346B	1N5346B	DO-35	5000	9.1	150	.52	.47	.42	.38
610-CZ5347B	CZ5347B	DO-201	5000	10	125	.52	.47	.42	.38
610-CZ5348B	CZ5348B	DO-201	5000	11	125	.52	.47	.42	.38
610-CZ5349B	CZ5349B	DO-201	5000	12	100	.52	.47	.42	.38
610-CZ5350B	CZ5350B	DO-201	5000	13	100	.52	.47	.42	.38
610-CZ5351B	CZ5351B	DO-201	5000	14	100	.52	.47	.42	.38
610-CZ5352B	CZ5352B	DO-201	5000	15	75	.52	.47	.42	.38
610-CZ5353B	CZ5353B	DO-201	5000	16	75	.52	.47	.42	.35
610-CZ5354B	CZ5354B	DO-201	5000	17	70	.52	.47	.42	.38
610-CZ5355B	CZ5355B	DO-201	5000	18	65	.52	.47	.42	.38
610-CZ5356B	CZ5356B	DO-201	5000	19	65	.52	.47	.42	.38
610-CZ5357B	CZ5357B	DO-201	5000	20	65	.52	.47	.42	.38
610-CZ5358B	CZ5358B	DO-201	5000	22	50	.52	.47	.42	.38
610-CZ5359B	CZ5359B	DO-201	5000	24	50	.52	.47	.42	.38
610-CZ5360B	CZ5360B	DO-201	5000	25	50	.52	.47	.42	.38
610-CZ5361B	CZ5361B	DO-201	5000	27	50	.52	.47	.42	.38

CENTRAL RECTIFIERS

◆Surface Mount Device

General Purpose Rectifiers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	V_{RRM} (V)	I_O (mA)	I_{FSM} (A)	Price Each			
						1	25	100	250
610-1N5059	1N5059	GPR-1A	200	1000	50	.33	.30	.28	.26
610-1N5624	1N5624	GPR-3A	200	3000	125	.79	.76	.72	.69
610-1N5060	1N5060	GPR-1A	400	1000	50	.39	.37	.34	.32
610-1N5625	1N5625 BK	GPR-3A	400	3000	125	.84	.77	.71	.65
◆610-CMR5U-04	CMR5U-04	SMC	400	5000	175	.96	.88	.80	.72
610-1N5061	1N5061	GPR-1A	600	1000	50	.38	.36	.34	.32
610-1N5626	1N5626 BK	GPR-3A	600	3000	125	.98	.91	.83	.77
610-1N5062	1N5062	GPR-1A	800	1000	50	.46	.42	.39	.37
610-1N5627	1N5627 BK	GPR-3A	800	3000	125	.95	.87	.80	.74

SCRs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	V_{RRM} (V)	$I_{T(RMS)}$ (A)	P_{GM} (mW)	Price Each			
						1	25	100	250
610-2N5060	2N5060	TO-92	30	0.8	2000	.39	.32	.27	.23
610-2N5061	2N5061	TO-92	60	0.8	2000	.40	.33	.28	.24
610-2N5062	2N5062	TO-92	100	0.8	2000	.40	.33	.28	.24
610-2N683	2N683	TO-48	100	25	5000	9.08	8.35	7.99	7.74
610-2N5063	2N5063	TO-92	150	0.8	2000	.38	.34	.31	.28
◆610-CMPS5062	CMPS5062	SOT-23	200	0.8	350	.54	.46	.38	.32
610-2N5064	2N5064	TO-92	200	0.8	2000	.44	.36	.30	.26
610-2N686	2N686	TO-48	250	25	5000	9.08	8.35	7.99	7.74
610-CS92D	CS92D	TO-92	400	0.8	2000	.45	.41	.38	.34
610-2N688	2N688	TO-48	400	25	5000	13.60	12.55	11.62	10.99
610-2N689	2N689	TO-48	500	25	5000	12.40	11.78	11.16	10.85

Schottky Rectifiers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	V_{RRM} (V)	I_O (mA)	I_{FSM} (A)	Price Each			
						1	25	100	250
◆610-CMHSH5-2L	CMHSH5-2L	SOD-123	20	500	5.5	.22	.20	.18	.16
◆610-CMHSH5-4	CMHSH5-4	SOD-123	40	500	5.5	.24	.20	.16	.13
◆610-CMSH120	CMSH1-20	SMB	20	1000	20	.51	.47	.43	.38
◆610-CZSH5-40	CZSH5-40	SOT-223	40	500	125	.60	.55	.50	.45
◆610-CMPSH1-4	CMPSH1-4	SOT-23F	40	1750	12	.30	.28	.26	.24

DIODES INC. Diodes and TVS

RoHS Compliant This page of product is compliant.

HIGH SPEED SWITCHING DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	Power Dissipation	V_{RRM}	Trr	V_F	I_R	V_R	Total Capacitance	Price Each			
											1	10	100	250
621-1N4148WS-F	1N4148WS-F	SOD-323	Single	200mW	75V	4ns	1V	1μA	75V	2pF	.44	.30	.20	.15
621-1N4448WS-F	1N4448WS-F	SOD-323	Single	200mW	75V	4ns	1V	2.5μA	75V	4pF	.44	.30	.20	.15
621-BAS16W-F	BAS16W-F	SOT-323	Single	200mW	75V	4ns	1V	1μA	75V	2pF	.39	.27	.18	.13
621-BAV16WS-F	BAV16WS-F	SOD-323	Single	200mW	75V	4ns	1V	1μA	75V	2pF	.44	.30	.20	.15
621-MMBD4148W-F	MMBD4148W-F	SOT-323	Single	200mW	75V	4ns	1V	1μA	75V	2pF	.48	.33	.22	.16
621-MMBD4448W-F	MMBD4448W-F	SOT-323	Single	200mW	75V	4ns	1V	2.5μA	75V	4pF	.48	.33	.22	.16
621-BAS16-F	BAS16-F	SOT-23	Single	350mW	75V	4ns	1V	1μA	75V	2pF	.33	.22	.15	.11
621-MMBD4148-F	MMBD4148-F	SOT-23	Single	350mW	75V	4ns	1V	1μA	75V	2pF	.33	.22	.15	.11
621-MMBD4448-F	MMBD4448-F	SOT-23	Single	350mW	75V	4ns	1V	2.5μA	75V	4pF	.33	.22	.15	.11
621-MMBD914-7-F	MMBD914-7-F	SOT-23	Single	350mW	75V	4ns	1V	1μA	75V	2pF	.33	.22	.15	.11
621-1N4448W-F	1N4448W-F	SOD-123	Single	400mW	75V	4ns	1V	2.5μA	75V	4pF	.44	.30	.20	.15
621-1N4448HWT-F	1N4448HWT-F	SOD-523	Single	150mW	80V	4ns	0.72V	0.1μA	80V	3pF	.38	.28	.19	.14
621-MMBD4448HT-F	MMBD4448HT-F	SOT-523	Single	150mW	80V	4ns	1V	0.1μA	70V	3.5pF	.38	.26	.18	.13
621-1N4448HWS-F	1N4448HWS-F	SOD-323	Single	200mW	80V	4ns	1.2V	50μA	75V	3.5pF	.44	.30	.20	.15
621-MMBD4448HW-F	MMBD4448HW-F	SOT-323	Single	200mW	80V	4ns	1V	0.1μA	70V	3.5pF	.48	.33	.22	.16
621-MMBD4448H-F	MMBD4448H-F	SOT-23	Single	350mW	80V	4ns	0.72V	0.1μA	70V	3.5pF	.33	.22	.15	.11
621-PD3SD2580-7	PD3SD2580-7	PowerDI™-323	Single	500mW	80V	4ns	1.25V	0.1μA	80V	1.5pF	.39	.30	.22	.16
621-BAS116T-F	BAS116T-F	SOT-523	Single	150mW	85V	3000ns	1.25V	0.005μA	75V	2pF	.38	.28	.19	.14
621-BAS116-F	BAS116-F	SOT-23	Single	250mW	85V	3000ns	1.1V	0.005μA	75V	2pF	.34	.25	.18	.13
621-1N4148WT	1N4148WT	SOD-523	Single	150mW	100V	4ns	0.715V	1μA	75V	2pF	.38	.28	.19	.14
621-BAV19W-F	BAV19W-F	SOD-123	Single	250mW	100V	50ns	1V	0.1μA	120V	5pF	.42	.31	.22	.16
621-1N4148W-F	1N4148W-F	SOD-123	Single	400mW	100V	4ns	1V	1μA	75V	2pF	.44	.30	.20	.15
621-BAV16W-F	BAV16W-F	SOD-123	Single	400mW	100V	4ns	1V	1μA	100V	2pF	.44	.30	.20	.15
621-BAV19WS-F	BAV19WS-F	SOD-323	Single	200mW	120V	50ns	1V	0.1μA	120V	5pF	.39	.30	.22	.16
621-BAV116W-F	BAV116W-F	SOD-123	Single	250mW	130V	3000ns	1.1V	0.005μA	75V	2.4pF	.38	.28	.19	.14
621-BAV20W-F	BAV20W-F	SOD-123	Single	250mW	150V	50ns	1V	0.1μA	200V	5pF	.42	.31	.22	.16
621-BAS20W-F	BAS20W-F	SOT-323	Single	200mW	200V	50ns	1V	0.1μA	200V	5pF	.45	.33	.24	.17
621-BAV20WS-F	BAV20WS-F	SOD-323	Single	200mW	200V	50ns	1V	0.1μA	200V	5pF	.39	.30	.22	.16
621-BAV21W-F	BAV21W-F	SOD-123	Single	250mW	200V	50ns	1V	0.1μA	250V	5pF	.42	.31	.22	.16
621-BAS20-F	BAS20-F	SOT-23	Single	350mW	200V	50ns	1V	0.1μA	200V	5pF	.38	.28	.19	.14
621-BAS21T-F	BAS21T-F	SOT-523	Single	150mW	250V	50ns	1V	0.1μA	250V	5pF	.42	.31	.22	.16
621-BAS21W-F	BAS21W-F	SOT-323	Single	200mW	250V	50ns	1V	0.1μA	250V	5pF	.45	.33	.24	.17
621-BAV21WS-F	BAV21WS-F	SOD-323	Single	200mW	250V	50ns	1V	0.1μA	250V	5pF	.39	.30	.22	.16
621-BAS21-F	BAS21-F	SOT-23	Single	350mW	250V	50ns	1V	0.1μA	250V	5pF	.38	.28	.19	.14
621-BAV3004W-F	BAV3004W-F	SOD-323	Single	400mW	350V	50ns	1V	0.1μA	240V	5pF	.45	.36	.27	.21
621-BAL99-F	BAL99-F	SOT-23	Single (Alt.)	350mW	75V	4ns	1V	2.5μA	75V	2pF	.44	.30	.20	.15
621-BAS16V-F	BAS16V-F	SOT-563	Dual, Isolated	150mW	75V	4ns	0.715V	1μA	75V	2pF	.33	.30	.24	.16
621-MMBD4448DW-F	MMBD4448DW-F	SOT-363	Dual, Isolated	200mW	75V	4ns	1V	2.5μA	75V	4pF	.42	.31	.22	.16
621-MMBD4448V-F	MMBD4448V-F	SOT-563	Dual, Isolated	150mW	80V	4ns	0.72V	0.1μA	70V	3.5pF	.33	.30	.24	.16
621-BAW56W-F	BAW56W-F	SOT-323	Dual, Com. Anode	200mW	75V	4ns	1V	2.5μA	75V	2pF	.45	.33	.24	.17
621-BAW56-F	BAW56-F	SOT-23	Dual, Com. Anode	350mW	75V	4ns	1V	2.5μA	75V	2pF	.38	.28	.19	.14
621-MMBD4448HTA-F	MMBD4448HTA-F	SOT-523	Dual, Com. Anode	150mW	80V	4ns	1V	0.1μA	70V	3.5pF	.38	.26	.18	.13
621-BAW156T-F	BAW156T-F	SOT-523	Dual, Com. Anode	150mW	85V	3000ns	1.25V	0.005μA	75V	2pF	.42	.31	.22	.16
621-BAW56T-F	BAW56T-F	SOT-523	Dual, Com. Anode	150mW	85V	4ns	1V	2μA	75V	1.5pF	.38	.28	.19	.14
621-BAW156-F	BAW156-F	SOT-23	Dual, Com. Anode	250mW	85V	3000ns	1.1V	0.005μA	75V	3pF	.42	.31	.22	.16
621-BAV23A-F	BAV23A-F	SOT-23	Dual, Com. Anode	350mW	250V	50ns	1V	0.1μA	250V	5pF	.42	.31	.22	.16
621-BAV70W-F	BAV70W-F	SOT-323	Dual, Com. Cathode	200mW	75V	4ns	1V	2.5μA	75V	2pF	.46	.31	.21	.15
621-BAV70-F	BAV70-F	SOT-23	Dual, Com. Cathode	350mW	75V	4ns	1V	2.5μA	75V	2pF	.38	.26	.18	.13
621-BAV170T-F	BAV170T-F	SOT-523	Dual, Com. Cathode	150mW	85V	3000ns	1.25V	0.005μA	75V	2pF	.42	.31	.22	.16
621-BAV70T-F	BAV70T-F	SOT-523	Dual, Com. Cathode	150mW	85V	4ns	1V	2μA	75V	1.5pF	.38	.26	.18	.13
621-BAV170-F	BAV170-F	SOT-23	Dual, Com. Cathode	250mW	85V	3000ns	1.1V	0.005μA	75V	2pF	.42	.31	.22	.16
621-BAV23C-F	BAV23C-F	SOT-23	Dual, Com. Cathode	350mW	250V	50ns	1V	0.1μA	250V	5pF	.42	.31	.22	.16
621-BAV99W-F	BAV99W-F	SOT-323	Dual, Series	200mW	75V	4ns	1V	2.5μA	75V	2pF	.40	.30	.21	.15
621-BAV99-F	BAV99-F	SOT-23	Dual, Series	350mW	75V	4ns	1V	2.5μA	75V	2pF	.44	.30	.20	.15
621-MMBD7000-F	MMBD7000-F	SOT-23	Dual, Series	350mW	75V	4ns	1.25V	1μA	50V	2pF	.44	.30	.20	.15
621-MMBD4448HTS-F	MMBD4448HTS-F	SOT-523	Dual, Series	150mW	80V	4ns	1V	0.1μA	70V	3.5pF	.18	.14	.11	.08
621-BAV199T-F	BAV199T-F	SOT-523	Dual, Series	150mW	85V	3000ns	1.25V	0.005μA	75V	2pF	.42	.31	.22	.16
621-BAV99T-F	BAV99T-F	SOT-523	Dual, Series	150mW	85V	4ns	1V	2μA	75V	1.5pF	.44	.30	.20	.15
621-BAV199-F	BAV199-F	SOT-23	Dual, Series	250mW	85V	3000ns	1.1V	0.005μA	75V	2pF	.25	.20	.15	.12
621-MMBD2004S-F	MMBD2004S-F	SOT-23	Dual, Series	350mW	300V	50ns	1V	0.1μA	240V	5pF	.23	.18	.14	.12
621-MMBD3004S-F	MMBD3004S-F	SOT-23	Dual, Series	350mW	350V	50ns	1.25V	0.1μA	240V	1pF	.42	.31	.22	.16
621-BAV70DW-F	BAV70DW-7-F	SOT-363	Dual-Dual, Com. Cath.	200mW	75V	4ns	1V	2.5μA	75V	2pF	.50	.40	.30	.23
621-MMBD4448HCDW-F	MMBD4448HCDW-7-F	SOT-363	Dual-Dual, Com. Cath.	200mW	80V	4ns	1V	.1μA	70V	3.5pF	.60	.48	.36	.27
621-BAV99BRW-7-F	BAV99BRW-7-F	SOT-363	Dual-Dual, Series	200mW	75V	4ns	1V	2.5μA	75V	2pF	.67	.54	.40	.34
621-MMBD3004BRM-F	MMBD3004BRM-7-F	SOT-26	Dual-Dual, Series	350mW	350V	50ns	.87V	.1μA	240V	5pF	.67	.54	.40	.34
621-BAV99DW-F	BAV99DW-7-F	SOT-363	Dual-Dual, Series (Alt.)	200mW	75V	4ns	1V	2.5μA	75V	2pF	.50	.40	.30	.23
621-MMBD4448HSDW-F	MMBD4448HSDW-7-F	SOT-363	Dual-Dual, Series (Alt.)	200mW	80V	4ns	1V	.1μA	70V	3.5pF	.60	.48	.36	.27
621-SDA004-7	SDA004-7	SOT-363	Dual-Dual, Series (Alt.)	200mW	80V	4ns	1V	2.5μA	75V	2pF	.99	.79	.59	.51
621-BAV199DW-F	BAV199DW-7-F	SOT-363	Dual-Dual, Series (Alt.)	200mW	85V	3000ns	0.9V	.005μA	75V	2pF	.55	.44	.33	.26
621-MMBD4448HTW-F	MMBD4448HTW-7-F	SOT-363	Triple, Isolated	200mW	80V	4ns	1V	.1μA	70V	3.5pF	.50	.40	.30	.23
621-MMBD4448HTM	MMBD4448HTM-7-F	SOT-26	Triple, Isolated (Alt.)	350mW	80V	4ns	1V	0.1μA	70V	3.5pF	.55	.44	.33	.26
621-MMBD4448HCQW-F	MMBD4448HCQW-7-F	SOT-353	Quad, Com. Cathode	200mW	80V	4ns	1V	.1μA	70V	3.5pF	.60	.48	.36	.27

ZENER TVSs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	Power Dissipation	V_{RWM}	Breakdown Voltage			I_R	V_C	Price Each			
						Min.	Max.	@ I_T			1	10	100	250
621-DFLT5V0A-7	DFLT5V0A-7	PowerDI™123	Single, uni-directional	225W	5.0V	6.40V	7.0V	10mA	400μA	9.2V	.81	.64	.48	.41
621-DFLT6V0A-7	DFLT6V0A-7	PowerDI™123	Single, uni-directional	225W	6.0V	6.67V	7.37V	10mA	400μA	10.3V	.81	.64	.48	.41
621-DFLT6V5A-7	DFLT6V5A-7	PowerDI™123	Single, uni-directional	225W	6.5V	7.22V	7.98V	10mA	250μA	11.2V	.81	.64	.48	.41
621-DFLT7V5A-7	DFLT7V5A-7	PowerDI™123	Single, uni-directional	225W	7.5V	8.33V	9.21V	1.0mA	50μA	12.9V	.81	.64	.48	.41
621-DFLT8V0A-7	DFLT8V0A-7	PowerDI™123	Single, uni-directional	225W	8.0V	8.89V	9.83V	1.0mA	25μA	13.6V	.81	.64	.48	.41
621-DFLT10A-7	DFLT10A-7	PowerDI™123	Single, uni-directional	225W	10V	11.1V	12.3V	1.0mA	2.5μA	17.0V	.81	.64	.48	.41
621-DFLT12A-7	DFLT12A-7	PowerDI™123	Single, uni-directional	225W	12V	13.3V	14.7V	1.0mA	2.5μA	19.9V	.81	.64	.48	.41
621-DFLT13A-7	DFLT13A-7	PowerDI™123	Single, uni-directional	225W	13V	14.4V	15.9V	1.0mA	1.0μA	21.5V	.81	.64	.48	.41
621-DFLT15A-7	DFLT15A-7	PowerDI™123	Single, uni-directional	225W	15V	16.7V	18.5V	1.0mA	1.0μA	24.4V	.81	.64	.48	.41
621-DFLT17A-7	DFLT17A-7	PowerDI™123	Single, uni-directional	225W	17V	18.9V	20.9V	1.0mA	1.0μA	27.6V	.81	.64	.48	.41
621-DFLT18A-7	DFLT18A-7	PowerDI™123	Single, uni-directional	225W	18V	20.0V	22.1V	1.0mA	1.0μA	29.2V	.81	.64	.48	.41
621-DFLT24A-7	DFLT24A-7	PowerDI™123	Single, uni-directional	225W	24V	26.7V	29.5V	1.0mA	1.0μA	38.9V	.81	.64	.48	.41
621-DFLT27A-7	DFLT27A-7	PowerDI™123	Single, uni-directional	225W	27V	30V	33.15V	1.0mA	1.0μA	43.7V	.81	.64	.48	.41
621-DFLT40A-7	DFLT40A-7	PowerDI™123	Single, uni-directional	225W	40V	44.4V	49.1V	1.0mA	1.0μA	64.5V	.81	.64	.48	.41
621-DFLT51A-7	DFLT51A-7	PowerDI™123	Single, uni-directional	225W	51V	56.7V	62.7V	1.0mA	1.0μA	82.4V	.81	.64	.48	.41

DIODES INC. Schottky Barrier Diodes

RoHS Compliant **This page of product is compliant.**

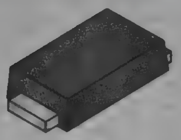
SCHOTTKY BARRIER DIODES

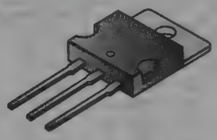
For quantities of 500 and up, call for quote.

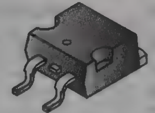
MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	Power Dissipation	V_{RRM}	I_{FM}	Fwd. Voltage Drop		Max. Rev. Current		Price Each			
							V_F	@ I_F	I_R	@ V_R	1	10	100	250
621-BAT54T-F	BAT54T-7-F	SOT-523	Single	150mW	30V	200mA	.32V	1mA	2µA	25V	.50	.40	.30	.23
621-BAT54-F	BAT54-7-F	SOT-23	Single	200mW	30V	200mA	.32V	1mA	2µA	25V	.50	.40	.30	.23
621-BAT54W-F	BAT54W-7-F	SOT-323	Single	200mW	30V	200mA	.32V	1mA	2µA	25V	.60	.48	.36	.27
621-BAT42W-F	BAT42W-F	SOD-123	Single	200mW	30V	200mA	.40V	10mA	.5µA	25V	.60	.48	.36	.27
621-BAT42WS-F	BAT42WS-F	SOD-323	Single	200mW	30V	200mA	.40V	10mA	.5µA	25V	.64	.51	.38	.30
621-BAT43W-F	BAT43W-F	SOD-123	Single	200mW	30V	200mA	.33V	2mA	.5µA	25V	.60	.48	.36	.27
621-BAT43WS-F	BAT43WS-F	SOD-323	Single	200mW	30V	200mA	.33V	2mA	.5µA	25V	.64	.51	.38	.30
621-BAT54WS-F	BAT54WS-F	SOD-323	Single	200mW	30V	200mA	.50V	30mA	2µA	25V	.80	.64	.48	.38
621-SD107WS-F	SD107WS-7-F	SOD-323	Single	250mW	30V	100mA	.55V	50mA	1µA	25V	1.08	.86	.64	.55
621-SD107WS-F	SD107WS-F	SOD-323	Single	250mW	30V	100mA	.55V	50mA	1µA	25V	1.05	.84	.63	.47
621-BAS40T-F	BAS40T-7-F	SOT-523	Single	150mW	40V	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.30
621-SDMP0340LT-F	SDMP0340LT-7-F	SOT-523	Single	150mW	40V	30mA	.37V	1mA	1µA	10V	.81	.64	.48	.41
621-SDMK0340L-F	SDMK0340L-F	SOD-323	Single	160mW	40V	30mA	.37V	1mA	.5µA	30V	.67	.48	.36	.29
621-BAS40W-F	BAS40W-7-F	SOT-323	Single	200mW	40V	200mA	.38V	1mA	.2µA	30V	.80	.64	.48	.38
621-SD101CWS-F	SD101CWS-F	SOD-323	Single	200mW	40V	15mA	.39V	1mA	.2µA	30V	.62	.50	.37	.30
621-SD103AWS-F	SD103AWS-F	SOD-323	Single	200mW	40V	350mA	.37V	20mA	5µA	30V	.60	.48	.36	.29
621-SD103BWS-F	SD103BWS-F	SOD-323	Single	200mW	40V	350mA	.37V	20mA	5µA	20V	.67	.48	.36	.29
621-SD103CWS-F	SD103CWS-F	SOD-323	Single	200mW	40V	350mA	.37V	20mA	5µA	20V	.67	.54	.40	.34
621-BAS40-F	BAS40-7-F	SOT-23	Single	350mW	40V	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.30
621-SD103AW-F	SD103AW-F	SOD-123	Single	400mW	40V	350mA	.37V	20mA	5µA	30V	.52	.42	.31	.24
621-SD103BW-F	SD103BW-F	SOD-123	Single	400mW	40V	350mA	.37V	20mA	5µA	20V	.52	.42	.31	.24
621-SD103CW-F	SD103CW-F	SOD-123	Single	400mW	40V	350mA	.37V	20mA	5µA	20V	.52	.42	.31	.24
621-SDM10P45-F	SDM10P45-7-F	SOT-523	Single	120mW	45V	100mA	.6V	50mA	1µA	10V	.81	.64	.48	.41
621-SD101BWS-F	SD101BWS-F	SOD-323	Single	200mW	50V	15mA	.40V	1mA	.2µA	40V	.62	.50	.37	.30
621-SD101AWS-F	SD101AWS-F	SOD-323	Single	200mW	60V	15mA	.41V	1mA	.2µA	50V	.62	.50	.37	.30
621-1N6263W-F	1N6263W-F	SOD-123	Single	333mW	60V	15mA	.41V	1mA	.2µA	50V	.70	.56	.42	.32
621-SD101AW-F	SD101AW-F	SOD-123	Single	400mW	60V	15mA	.41V	1mA	.2µA	50V	.47	.38	.28	.21
621-1N5711WS-F	1N5711WS-F	SOD-323	Single	150mW	70V	15mA	.41V	1mA	.2µA	50V	.72	.58	.43	.34
621-BAS70-F	BAS70-7-F	SOT-23	Single	200mW	70V	70mA	.41V	1mA	.1µA	50V	.80	.64	.48	.38
621-BAS70W-F	BAS70W-7-F	SOT-323	Single	200mW	70V	70mA	.41V	1mA	.1µA	50V	.88	.70	.53	.42
621-BAT54DW-F	BAT54DW-7-F	SOT-363	Dual, Isolated	200mW	30V	200mA	.32V	1mA	2µA	25V	.83	.65	.50	.42
621-BAT54JW-F	BAT54JW-7-F	SOT-363	Dual, Isolated (Alt.)	200mW	30V	200mA	.32V	1mA	2µA	25V	.64	.51	.38	.30
621-BAT54AT-F	BAT54AT-7-F	SOT-523	Dual, Com. Anode	150mW	30V	200mA	.32V	1mA	2µA	25V	.67	.48	.36	.29
621-BAT54A-F	BAT54A-7-F	SOT-23	Dual, Com. Anode	200mW	30V	200mA	.32V	1mA	2µA	25V	.60	.48	.36	.29
621-BAT54AW-F	BAT54AW-7-F	SOT-323	Dual, Com. Anode	200mW	30V	200mA	.32V	1mA	2µA	25V	.72	.58	.43	.34
621-BAS40-06T-F	BAS40-06T-7-F	SOT-523	Dual, Com. Anode	150mW	40V	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.30
621-SDMP0340LAT-F	SDMP0340LAT-7-F	SOT-523	Dual, Com. Anode	150mW	40V	30mA	.37V	1mA	1µA	10V	.68	.54	.41	.34
621-BAS40W-06-F	BAS40W-06-7-F	SOT-323	Dual, Com. Anode	200mW	40V	200mA	.38V	1mA	.2µA	30V	.80	.64	.48	.38
621-SDMG0340LA-F	SDMG0340LA-7-F	SOT-323	Dual, Com. Anode	200mW	40V	30mA	.37V	1mA	1µA	10V	.67	.54	.40	.30
621-BAS40-06-F	BAS40-06-7-F	SOT-23	Dual, Com. Anode	350mW	40V	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.30
621-BAS70-06-F	BAS70-06-7-F	SOT-23	Dual, Com. Anode	200mW	70V	70mA	.41V	1mA	.1µA	50V	.80	.64	.48	.38
621-BAT54CT-F	BAT54CT-7-F	SOT-523	Dual, Com. Cathode	150mW	30V	200mA	.32V	1mA	2µA	25V	.60	.48	.36	.29
621-BAT54C-F	BAT54C-7-F	SOT-23	Dual, Com. Cathode	200mW	30V	200mA	.32V	1mA	2µA	25V	.60	.48	.36	.29
621-BAT54CW-F	BAT54CW-7-F	SOT-323	Dual, Com. Cathode	200mW	30V	200mA	.32V	1mA	2µA	25V	.72	.58	.43	.34
621-BAS40-05T-F	BAS40-05T-7-F	SOT-523	Dual, Com. Cathode	150mW	40V	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.30
621-BAS40W-05-F	BAS40W-05-7-F	SOT-323	Dual, Com. Cathode	200mW	40V	200mA	.38V	1mA	.2µA	30V	.80	.64	.48	.38
621-SDMG0340LC-F	SDMG0340LC-7-F	SOT-323	Dual, Com. Cathode	200mW	40V	30mA	.37V	1mA	1µA	10V	.67	.54	.40	.30
621-BAS40-05-F	BAS40-05-7-F	SOT-23	Dual, Com. Cathode	350mW	40V	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.30
621-BAS70-05-F	BAS70-05-7-F	SOT-23	Dual, Com. Cathode	200mW	70V	70mA	.41V	1mA	.1µA	50V	.80	.64	.48	.38
621-SDM40E20LS-F	SDM40E20LS-7-F	SOT-23	Dual, Series	300mW	20V	400mA	.31V	100mA	100µA	10V	.64	.51	.38	.30
621-BAT54ST-F	BAT54ST-7-F	SOT-523	Dual, Series	150mW	30V	200mA	.32V	1mA	2µA	25V	.81	.64	.48	.41
621-BAT54S-F	BAT54S-7-F	SOT-23	Dual, Series	200mW	30V	200mA	.32V	1mA	2µA	25V	.60	.48	.36	.29
621-BAT54SW-F	BAT54SW-7-F	SOT-323	Dual, Series	200mW	30V	200mA	.32V	1mA	2µA	25V	.72	.58	.43	.34
621-BAS40-04T-F	BAS40-04T-7-F	SOT-523	Dual, Series	150mW	40V	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.30
621-BAS40W-04-F	BAS40W-04-7-F	SOT-323	Dual, Series	200mW	40V	200mA	.38V	1mA	.2µA	30V	.80	.64	.48	.38
621-SDMG0340LS-F	SDMG0340LS-7-F	SOT-323	Dual, Series	200mW	40V	30mA	.37V	1mA	1µA	10V	.67	.54	.40	.30
621-BAS40-04-F	BAS40-04-7-F	SOT-23	Dual, Series	350mW	40V	200mA	.38V	1mA	.2µA	30V	.64	.51	.38	.30
621-BAS70-04-F	BAS70-04-7-F	SOT-23	Dual, Series	200mW	70V	70mA	.41V	1mA	.1µA	50V	.80	.64	.48	.38
621-BAT54ADW-F	BAT54ADW-7-F	SOT-363	Dual-Dual, Com. Anode	200mW	30V	200mA	.32V	1mA	2µA	25V	.96	.77	.58	.46
621-BAS40DW-06-F	BAS40DW-06-7-F	SOT-363	Dual-Dual, Com. Anode	200mW	40V	200mA	.38V	1mA	.2µA	30V	.80	.64	.48	.38
621-BAS70W-06-F	BAS70W-06-7-F	SOT-323	Dual-Dual, Com. Anode	200mW	70V	70mA	.41V	1mA	.1µA	50V	.88	.70	.53	.42
621-BAS70DW-06-F	BAS70DW-06-7-F	SOT-363	Dual-Dual, Com. Anode	200mW	70V	70mA	.41V	1mA	.1µA	50V	.83	.65	.50	.42
621-BAT54CDW-F	BAT54CDW-7-F	SOT-363	Dual-Dual, Com. Cath	200mW	30V	200mA	.32V	1mA	2µA	25V	.96	.77	.58	.46
621-BAS40DW-05-F	BAS40DW-05-7-F	SOT-363	Dual-Dual, Com. Cath	200mW	40V	200mA	.38V	1mA	.2µA	30V	.80	.64	.48	.38
621-BAS70W-05-F	BAS70W-05-7-F	SOT-323	Dual-Dual, Com. Cath	200mW	70V	70mA	.41V	1mA	.1µA	50V	.88	.70	.53	.42
621-BAT54BRW-F	BAT54BRW-7-F	SOT-363	Dual-Dual, Series	200mW	30V	200mA	.32V	1mA	2µA	25V	.96	.77	.58	.46
621-BAS40BRW-F	BAS40BRW-7-F	SOT-363	Dual-Dual, Series	200mW	40V	200mA	.38V	1mA	.2µA	30V	.72	.57	.43	.36
621-BAT54SDW-F	BAT54SDW-7-F	SOT-363	Dual-Dual, Series (Alt.)	200mW	30V	200mA	.32V	1mA	2µA	25V	.96	.77	.58	.46
621-BAS40DW-04-F	BAS40DW-04-7-F	SOT-363	Dual-Dual, Series (Alt.)	200mW	40V	200mA	.38V	1mA	.2µA	30V	.80	.64	.48	.38
621-SD103ASDM	SD103ASDM	SOT-26	Dual-Dual, Series (Alt.)	225mW	40V	350mA	.37V	20mA	5µA	30V	.72	.58	.43	.34
621-SDM10M45SD-F	SDM10M45SD-7-F	SOT-26	Dual-Dual, Series (Alt.)	225mW	45V	100mA	.45V	10mA	.07µA	10V	1.08	.86	.65	.55
621-BAS70W-04-F	BAS70W-04-7-F	SOT-323	Dual-Dual, Series (Alt.)	200mW	70V	70mA	.41V	1mA	.1µA	50V	.88	.70	.53	.42
621-BAS70DW-04-F	BAS70DW-04-7-F	SOT-363	Dual-Dual, Series (Alt.)	200mW	70V	70mA	.41V	1mA	.1µA	50V	.83	.65	.50	.42
621-BAT54TW-F	BAT54TW-7-F	SOT-363	Triple, Isolated	200mW	30V	200mA	.32V	1mA	2µA	25V	.80	.64	.48	.38
621-BAS40TW-F	BAS40TW-7-F	SOT-363	Triple, Isolated	200mW	40V	200mA	.38V	1mA	.2µA	30V	.81	.64	.48	.41
621-BAS70TW-F	BAS70TW-7-F	SOT-363	Triple, Isolated	200mW	70V	70mA	.41V	1mA	.1µA	50V	.88	.70	.53	.42
621-SD103ATW-F	SD103ATW-7-F	SOT-363	Triple, Isolated (Alt.)	200mW	40V	350mA	.37V	20mA	5µA	30V	.72	.57	.43	.36
621-QSBT40-F	QSBT40-7-F	SOT-363	Quad, Series (Rail Clamp)	200mW	30V	200mA	.35V	1mA	2µA	25V	1.09	.86	.66	.55

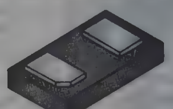
DIODES INC. Diodes and Rectifiers

RoHS Compliant This page of product is compliant.


PowerDI™


TO-220AB


D2PAK


DFN1006-2

SBR® SUPER BARRIER RECTIFIERS

A ground breaking innovation in rectifier technology that uniquely captures the benefits provided by the pn-junction diode and the Schottky Barrier diode and integrates them into a single component. State-of-the-art integrated circuit wafer processing technology has allowed the design and manufacturability of a device, which is able to integrate and improve the benefits of the two existing rectifier technologies into a single device.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	Rectifying Current	V_{RRM}	I_{FSM}	Fwd. Voltage Drop		Price Each			
							V_F	@ I_F	1	10	100	250
621-SBR2M30P1-7	SBR2M30P1-7	PowerDI™123	Single	2A	30V	75A	460mV	2A	.50	.40	.30	.24
621-SBR2U30P1-7	SBR2U30P1-7	PowerDI™123	Single	2A	30V	75A	400mV	2A	.50	.40	.30	.24
621-SBR3M30P1-7	SBR3M30P1-7	PowerDI™123	Single	3A	30V	75A	510mV	3A	.65	.52	.39	.31
621-SBR3U30P1-7	SBR3U30P1-7	PowerDI™123	Single	3A	30V	75A	400mV	3A	.65	.52	.39	.31
621-SBR1040CT	SBR1040CT	TO-220AB	Dual	10A	40V	120A	550mV	5A	1.11	.98	.75	.63
621-SBR1060CT	SBR1060CT	TO-220AB	Dual	10A	60V	120A	680mV	5A	1.17	1.02	.79	.66
621-SBR10U40CT	SBR10U40CT	TO-220AB	Dual	10A	40V	150A	440mV	5A	1.48	1.30	1.00	.84
621-SBR10U60CT	SBR10U60CT	TO-220AB	Dual	10A	60V	150A	480mV	5A	1.52	1.33	1.03	.86
621-SBR10100CT	SBR10100CT	TO-220AB	Dual	10A	100V	120A	800mV	5A	1.22	1.07	.83	.69
621-SBR10U100CT	SBR10U100CT	TO-220AB	Dual	10A	100V	150A	670mV	5A	1.55	1.37	1.05	.88
621-SBR10U150CT	SBR10U150CT	TO-220AB	Dual	10A	150V	150A	790mV	5A	1.59	1.40	1.08	.90
621-SBR2040CT	SBR2040CT	TO-220AB	Dual	20A	40V	120A	530mV	10A	1.48	1.30	1.00	.84
621-SBR2045CT	SBR2045CT	TO-220AB	Dual	20A	45V	120A	540mV	10A	1.52	1.33	1.03	.86
621-SBR20A45CT	SBR20A45CT	TO-220AB	Dual	20A	45V	180A	500mV	10A	1.59	1.33	1.11	.93
621-SBR2060CT	SBR2060CT	TO-220AB	Dual	20A	60V	150A	700mV	10A	1.59	1.40	1.08	.90
621-SBR20A60CT	SBR20A60CT	TO-220AB	Dual	20A	60V	180A	650mV	10A	1.62	1.35	1.13	.95
621-SBR20100CT	SBR20100CT	TO-220AB	Dual	20A	100V	150A	820mV	10A	1.63	1.43	1.10	.92
621-SBR20A100CT	SBR20A100CT	TO-220AB	Dual	20A	100V	180A	750mV	10A	1.65	1.38	1.16	.96
621-SBR20150CT	SBR20150CT	TO-220AB	Dual	20A	150V	150A	880mV	10A	1.78	1.56	1.20	1.01
621-SBR20A150CT	SBR20A150CT	TO-220AB	Dual	20A	150V	180A	820mV	10A	1.74	1.45	1.22	1.02
621-SBR20U150CTFP	SBR20U150CTFP	ITO-220AB	Dual	20A	150V	200A	780mV	10A	2.34	1.95	1.64	1.37
621-SBR20A200CT	SBR20A200CT	TO-220AB	Dual	20A	200V	180A	860mV	10A	1.80	1.50	1.26	1.05
621-SBR20A200CTB	SBR20A200CTB	D2PAK	Dual	20A	200V	180A	840mV	10A	1.83	1.53	1.28	1.07
621-SBR30100CT	SBR30100CT	TO-220AB	Dual	30A	100V	200A	850mV	15A	2.04	1.70	1.43	1.1[illegible]
621-SBR30200CT	SBR30200CT	TO-220AB	Dual	30A	200V	200A	980mV	15A	2.82	2.35	1.97	1.65
621-SBR3040CT	SBR3040CT	TO-220AB	Dual	30A	40V	200A	550mV	15A	1.59	1.33	1.11	.93
621-SBR3060CTFP	SBR3060CTFP	ITO-220AB	Dual	30A	60V	200A	700mV	15A	1.77	1.48	1.24	1.03
621-SBR30A100CTFP	SBR30A100CTFP	ITO-220AB	Dual	30A	100V	250A	800mV	15A	2.13	1.78	1.49	1.24
621-SBR30A40CT	SBR30A40CT	TO-220AB	Dual	30A	40V	250A	500mV	15A	1.89	1.58	1.32	1.10
621-SBR30A60CT	SBR30A60CT	TO-220AB	Dual	30A	60V	250A	600mV	15A	1.98	1.65	1.39	1.16
621-SBR30M100CT	SBR30M100CT	TO-220AB	Dual	30A	100V	250A	850mV	15A	2.55	2.13	1.79	1.49
621-SBR30U30CT	SBR30U30CT	TO-220AB	Dual	30A	30V	280A	450mV	15A	3.51	3.06	2.28	1.95
621-SBR4040CT	SBR4040CT	TO-220AB	Dual	40A	40V	280A	530mV	20A	1.89	1.58	1.32	1.10
621-SBR60A60CT	SBR60A60CT	TO-220AB	Dual	60A	60V	280A	620mV	30A	3.27	2.84	2.12	1.82

.25W SURFACE MOUNT ZENER DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	Nominal Voltage	Power Rating	Test Current	Price Each			
							1	10	100	250
621-BZT52C2V4LP-7	BZT52C2V4LP-7	DFN1006-2	Single	2.4V	.25W	5mA	.45	.33	.24	.17
621-BZT52C2V7LP-7	BZT52C2V7LP-7	DFN1006-2	Single	2.7V	.25W	5mA	.45	.33	.24	.17
621-BZT52C3V0LP-7	BZT52C3V0LP-7	DFN1006-2	Single	3.0V	.25W	5mA	.45	.33	.24	.17
621-BZT52C3V3LP-7	BZT52C3V3LP-7	DFN1006-2	Single	3.3V	.25W	5mA	.45	.33	.24	.17
621-BZT52C3V6LP-7	BZT52C3V6LP-7	DFN1006-2	Single	3.6V	.25W	5mA	.45	.33	.24	.17
621-BZT52C3V9LP-7	BZT52C3V9LP-7	DFN1006-2	Single	3.9V	.25W	5mA	.45	.33	.24	.17
621-BZT52C4V3LP-7	BZT52C4V3LP-7	DFN1006-2	Single	4.3V	.25W	5mA	.45	.33	.24	.17
621-BZT52C4V7LP-7	BZT52C4V7LP-7	DFN1006-2	Single	4.7V	.25W	5mA	.45	.33	.24	.17
621-BZT52C36LP-7	BZT52C36LP-7	DFN1006-2	Single	36V	.25W	5mA	.45	.33	.24	.17
621-BZT52C39LP-7	BZT52C39LP-7	DFN1006-2	Single	39V	.25W	5mA	.45	.33	.24	.17

.5W SURFACE MOUNT ZENER DIODES

For quantities of 500 and up, call for quote.

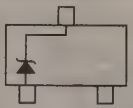
MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Configuration	Nominal Voltage	Power Rating	Test Current	Price Each			
							1	10	100	250
621-PD3Z284C13-7	PD3Z284C13-7	PowerDI™323	Single	13V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C15-7	PD3Z284C15-7	PowerDI™323	Single	15V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C16-7	PD3Z284C16-7	PowerDI™323	Single	16V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C18-7	PD3Z284C18-7	PowerDI™323	Single	18V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C20-7	PD3Z284C20-7	PowerDI™323	Single	20V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C22-7	PD3Z284C22-7	PowerDI™323	Single	22V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C24-7	PD3Z284C24-7	PowerDI™323	Single	24V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C27-7	PD3Z284C27-7	PowerDI™323	Single	27V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C2V4-7	PD3Z284C2V4-7	PowerDI™323	Single	2.4V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C2V7-7	PD3Z284C2V7-7	PowerDI™323	Single	2.7V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C30-7	PD3Z284C30-7	PowerDI™323	Single	30V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C33-7	PD3Z284C33-7	PowerDI™323	Single	33V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C36-7	PD3Z284C36-7	PowerDI™323	Single	36V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C39-7	PD3Z284C39-7	PowerDI™323	Single	39V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C3V0-7	PD3Z284C3V0-7	PowerDI™323	Single	3.0V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C3V3-7	PD3Z284C3V3-7	PowerDI™323	Single	3.3V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C3V6-7	PD3Z284C3V6-7	PowerDI™323	Single	3.6V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C3V9-7	PD3Z284C3V9-7	PowerDI™323	Single	3.9V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C4V3-7	PD3Z284C4V3-7	PowerDI™323	Single	4.3V	.5W	5mA	.60	.48	.36	.29
621-PD3Z284C4V7-7	PD3Z284C4V7-7	PowerDI™323	Single	4.7V	.5W	5mA	.60	.48	.36	.29

DIODES INC. Zener Diodes

RoHS Compliant This page of product is compliant.

DIODES INC. ZENER DIODES - SMD

Schematic for SOD-123 / SOD-323



Schematic for SOT -23

RoHS Compliant

For quantities of 500 and up, call for quote.

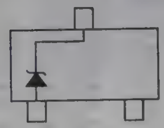
MOUSER STOCK NO.	Diodes Inc. Part No.	Case Type	Nom. Volt. (V)	Power Rating (W)	Test Curr. (mA)	Price Each			
						1	10	100	250
BZT Series; SOD-123									
621-BZT52C2V4-F	BZT52C2V4-F	SOD-123	2.4	0.5	5	.42	.31	.22	.16
621-BZT52C2V7-F	BZT52C2V7-F	SOD-123	2.7	0.5	5	.42	.31	.22	.16
621-BZT52C3V0-F	BZT52C3V0-F	SOD-123	3	0.5	5	.42	.31	.22	.16
621-BZT52C3V3-F	BZT52C3V3-F	SOD-123	3.3	0.5	5	.42	.31	.22	.16
621-BZT52C3V6-F	BZT52C3V6-F	SOD-123	3.6	0.5	5	.42	.31	.22	.16
621-BZT52C3V9-F	BZT52C3V9-F	SOD-123	3.9	0.5	5	.42	.31	.22	.16
621-BZT52C4V3-F	BZT52C4V3-F	SOD-123	4.3	0.5	5	.42	.31	.22	.16
621-BZT52C4V7-F	BZT52C4V7-F	SOD-123	4.7	0.5	5	.42	.31	.22	.16
621-BZT52C5V1-F	BZT52C5V1-F	SOD-123	5.1	0.5	5	.42	.31	.22	.16
621-BZT52C5V6-F	BZT52C5V6-F	SOD-123	5.6	0.5	5	.42	.31	.22	.16
621-BZT52C6V2-F	BZT52C6V2-F	SOD-123	6.2	0.5	5	.42	.31	.22	.16
621-BZT52C6V8-F	BZT52C6V8-F	SOD-123	6.8	0.5	5	.42	.31	.22	.16
621-BZT52C7V5-F	BZT52C7V5-F	SOD-123	7.5	0.5	5	.42	.31	.22	.16
621-BZT52C8V2-F	BZT52C8V2-F	SOD-123	8.2	0.5	5	.42	.31	.22	.16
621-BZT52C9V1-F	BZT52C9V1-F	SOD-123	9.1	0.5	5	.42	.31	.22	.16
621-BZT52C10-F	BZT52C10-F	SOD-123	10	0.5	5	.42	.31	.22	.16
621-BZT52C11-F	BZT52C11-F	SOD-123	11	0.5	5	.42	.31	.22	.16
621-BZT52C12-F	BZT52C12-F	SOD-123	12	0.5	5	.42	.31	.22	.16
621-BZT52C15-F	BZT52C15-F	SOD-123	15	0.5	5	.42	.31	.22	.16
621-BZT52C16-F	BZT52C16-F	SOD-123	16	0.5	5	.42	.31	.22	.16
621-BZT52C18-F	BZT52C18-F	SOD-123	18	0.5	5	.42	.31	.22	.16
621-BZT52C20-F	BZT52C20-F	SOD-123	20	0.5	5	.42	.31	.22	.16
621-BZT52C24-F	BZT52C24-F	SOD-123	24	0.5	5	.42	.31	.22	.16
621-BZT52C27-F	BZT52C27-F	SOD-123	27	0.5	5	.42	.31	.22	.16
621-BZT52C33-F	BZT52C33-F	SOD-123	33	0.5	2	.42	.31	.22	.16
MMSZ Series; SOD-123									
621-MMSZ5221B-F	MMSZ5221B-F	SOD-123	2.4	0.5	20	.42	.31	.22	.16
621-MMSZ5223B-F	MMSZ5223B-F	SOD-123	2.7	0.5	20	.42	.31	.22	.16
621-MMSZ5225B-F	MMSZ5225B-F	SOD-123	3	0.5	20	.42	.31	.22	.16
621-MMSZ5226B-F	MMSZ5226B-F	SOD-123	3.3	0.5	20	.42	.31	.22	.16
621-MMSZ5227B-F	MMSZ5227B-F	SOD-123	3.6	0.5	20	.42	.31	.22	.16
621-MMSZ5228B-F	MMSZ5228B-F	SOD-123	3.9	0.5	20	.42	.31	.22	.16
621-MMSZ5229B-F	MMSZ5229B-F	SOD-123	4.3	0.5	20	.42	.31	.22	.16
621-MMSZ5230B-F	MMSZ5230B-F	SOD-123	4.7	0.5	20	.42	.31	.22	.16
621-MMSZ5231B-F	MMSZ5231B-F	SOD-123	5.1	0.5	20	.42	.31	.22	.16
621-MMSZ5232B-F	MMSZ5232B-F	SOD-123	5.6	0.5	20	.42	.31	.22	.16
621-MMSZ5234B-F	MMSZ5234B-F	SOD-123	6.2	0.5	20	.42	.31	.22	.16
621-MMSZ5235B-F	MMSZ5235B-F	SOD-123	6.8	0.5	20	.42	.31	.22	.16
621-MMSZ5236B-F	MMSZ5236B-F	SOD-123	7.5	0.5	20	.42	.31	.22	.16
621-MMSZ5237B-F	MMSZ5237B-F	SOD-123	8.2	0.5	20	.42	.31	.22	.16
621-MMSZ5239B-F	MMSZ5239B-F	SOD-123	9.1	0.5	20	.42	.31	.22	.16
621-MMSZ5240B-F	MMSZ5240B-F	SOD-123	10	0.5	20	.42	.31	.22	.16
621-MMSZ5241B-F	MMSZ5241B-F	SOD-123	11	0.5	20	.42	.31	.22	.16
621-MMSZ5242B-F	MMSZ5242B-F	SOD-123	12	0.5	20	.42	.31	.22	.16
621-MMSZ5243B-F	MMSZ5243B-F	SOD-123	13	0.5	9.5	.42	.31	.22	.16
621-MMSZ5245B-F	MMSZ5245B-F	SOD-123	15	0.5	8.5	.42	.31	.22	.16
621-MMSZ5246B-F	MMSZ5246B-F	SOD-123	16	0.5	7.8	.42	.31	.22	.16
621-MMSZ5248B-F	MMSZ5248B-F	SOD-123	18	0.5	7	.42	.31	.22	.16
621-MMSZ5250B-F	MMSZ5250B-F	SOD-123	20	0.5	6.2	.42	.31	.22	.16
621-MMSZ5251B-F	MMSZ5251B-F	SOD-123	22	0.5	5.6	.42	.31	.22	.16
621-MMSZ5252B-F	MMSZ5252B-F	SOD-123	24	0.5	5.2	.42	.31	.22	.16
621-MMSZ5254B-F	MMSZ5254B-F	SOD-123	27	0.5	5	.42	.31	.22	.16
621-MMSZ5255B-F	MMSZ5255B-F	SOD-123	28	0.5	4.5	.42	.31	.22	.16
621-MMSZ5256B-F	MMSZ5256B-F	SOD-123	30	0.5	4.2	.42	.31	.22	.16
621-MMSZ5257B-F	MMSZ5257B-F	SOD-123	33	0.5	3.8	.42	.31	.22	.16
621-MMSZ5258B-F	MMSZ5258B-F	SOD-123	36	0.5	3.4	.42	.31	.22	.16
621-MMSZ5259B-F	MMSZ5259B-F	SOD-123	39	0.5	3.2	.42	.31	.22	.16
BZT Series; SOD-323									
621-BZT52C2V4S-F	BZT52C2V4S-F	SOD-323	2.4	0.2	5	.46	.34	.24	.17
621-BZT52C2V7S-F	BZT52C2V7S-F	SOD-323	2.7	0.2	5	.46	.34	.24	.17
621-BZT52C3V0S-F	BZT52C3V0S-F	SOD-323	3	0.2	5	.46	.34	.24	.17
621-BZT52C3V3S-F	BZT52C3V3S-F	SOD-323	3.3	0.2	5	.46	.34	.24	.17
621-BZT52C3V6S-F	BZT52C3V6S-F	SOD-323	3.6	0.2	5	.46	.34	.24	.17
621-BZT52C3V9S-F	BZT52C3V9S-F	SOD-323	3.9	0.2	5	.46	.34	.24	.17
621-BZT52C4V3S-F	BZT52C4V3S-F	SOD-323	4.3	0.2	5	.46	.34	.24	.17
621-BZT52C4V7S-F	BZT52C4V7S-F	SOD-323	4.7	0.2	5	.46	.34	.24	.17
621-BZT52C5V1S-F	BZT52C5V1S-F	SOD-323	5.1	0.2	5	.46	.34	.24	.17
621-BZT52C5V6S-F	BZT52C5V6S-F	SOD-323	5.6	0.2	5	.46	.34	.24	.17
621-BZT52C6V2S-F	BZT52C6V2S-F	SOD-323	6.2	0.2	5	.46	.34	.24	.17
621-BZT52C6V8S-F	BZT52C6V8S-F	SOD-323	6.8	0.2	5	.46	.34	.24	.17
621-BZT52C7V5S-F	BZT52C7V5S-F	SOD-323	7.5	0.2	5	.46	.34	.24	.17
621-BZT52C8V2S-F	BZT52C8V2S-F	SOD-323	8.2	0.2	5	.46	.34	.24	.17
621-BZT52C9V1S-F	BZT52C9V1S-F	SOD-323	9.1	0.2	5	.46	.34	.24	.17
621-BZT52C10S-F	BZT52C10S-F	SOD-323	10	0.2	5	.46	.34	.24	.17
621-BZT52C11S-F	BZT52C11S-F	SOD-323	11	0.2	5	.46	.34	.24	.17
621-BZT52C12S-F	BZT52C12S-F	SOD-323	12	0.2	5	.46	.34	.24	.17
621-BZT52C15S-F	BZT52C15S-F	SOD-323	15	0.2	5	.46	.34	.24	.17
621-BZT52C16S-F	BZT52C16S-F	SOD-323	16	0.2	5	.46	.34	.24	.17
621-BZT52C18S-F	BZT52C18S-F	SOD-323	18	0.2	5	.46	.34	.24	.17
621-BZT52C20S-F	BZT52C20S-F	SOD-323	20	0.2	5	.46	.34	.24	.17
621-BZT52C24S-F	BZT52C24S-F	SOD-323	24	0.2	5	.46	.34	.24	.17
621-BZT52C27S-F	BZT52C27S-F	SOD-323	27	0.2	2	.46	.34	.24	.17
621-BZT52C30S-F	BZT52C30S-F	SOD-323	30	0.2	2	.46	.34	.24	.17
621-BZT52C33S-F	BZT52C33S-F	SOD-323	33	0.2	2	.46	.34	.24	.17

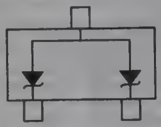
For quantities of 500 and up, call for quote.

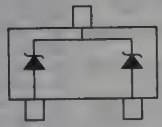
MOUSER STOCK NO.	Diodes Inc. Part No.	Case Type	Nom. Volt. (V)	Power Rating (W)	Test Curr. (mA)	Price Each			
						1	10	100	250
MMSZ Series; SOD-323									
621-MMSZ5221BS-F	MMSZ5221BS-F	SOD-323	2.4	0.2	20	.46	.34	.24	.17
621-MMSZ5225BS-F	MMSZ5225BS-F	SOD-323	3	0.2	20	.46	.34	.24	.17
621-MMSZ5226BS-F	MMSZ5226BS-F	SOD-323	3.3	0.2	20	.46	.34	.24	.17
621-MMSZ5227BS-F	MMSZ5227BS-F	SOD-323	3.6	0.2	20	.46	.34	.24	.17
621-MMSZ5228BS-F	MMSZ5228BS-F	SOD-323	3.9	0.2	20	.46	.34	.24	.17
621-MMSZ5229BS-F	MMSZ5229BS-F	SOD-323	4.3	0.2	20	.46	.34	.24	.17
621-MMSZ5230BS-F	MMSZ5230BS-F	SOD-323	4.7	0.2	20	.46	.34	.24	.17
621-MMSZ5231BS-F	MMSZ5231BS-F	SOD-323	5.1	0.2	20	.46	.34	.24	.17
621-MMSZ5232BS-F	MMSZ5232BS-F	SOD-323	5.6	0.2	20	.46	.34	.24	.17
621-MMSZ5234BS-F	MMSZ5234BS-F	SOD-323	6.2	0.2	20	.46	.34	.24	.17
621-MMSZ5235BS-F	MMSZ5235BS-F	SOD-323	6.8	0.2	20	.46	.34	.24	.17
621-MMSZ5236BS-F	MMSZ5236BS-F	SOD-323	7.5	0.2	20	.46	.34	.24	.17
621-MMSZ5237BS-F	MMSZ5237BS-F	SOD-323	8.2	0.2	20	.46	.34	.24	.17
621-MMSZ5239BS-F	MMSZ5239BS-F	SOD-323	9.1	0.2	20	.46	.34	.24	.17
621-MMSZ5240BS-F	MMSZ5240BS-F	SOD-323	10	0.2	20	.46	.34	.24	.17
621-MMSZ5241BS-F	MMSZ5241BS-F	SOD-323	11	0.2	20	.46	.34	.24	.17
621-MMSZ5242BS-F	MMSZ5242BS-F	SOD-323	12	0.2	20	.46	.34	.24	.17
621-MMSZ5243BS-F	MMSZ5243BS-F	SOD-323	13	0.2	9.5	.46	.34	.24	.17
621-MMSZ5245BS-F	MMSZ5245BS-F	SOD-323	15	0.2	8.5	.46	.34	.24	.17
621-MMSZ5248BS-F	MMSZ5248BS-F	SOD-323	18	0.2	7	.46	.34	.24	.17
621-MMSZ5250BS-F	MMSZ5250BS-F	SOD-323	20	0.2	6.2	.46	.34	.24	.17
621-MMSZ5251BS-F	MMSZ5251BS-F	SOD-323	22	0.2	5.6	.46	.34	.24	.17
621-MMSZ5252BS-F	MMSZ5252BS-F	SOD-323	24	0.2	5.2	.46	.34	.24	.17
621-MMSZ5254BS-F	MMSZ5254BS-F	SOD-323	27	0.2	5	.46	.34	.24	.17
621-MMSZ5255BS-F	MMSZ5255BS-F	SOD-323	28	0.2	4.5	.46	.34	.24	.17
621-MMSZ5256BS-F	MMSZ5256BS-F	SOD-323	30	0.2	4.2	.46	.34	.24	.17
BZX Series; SOT-23									
621-BZX84C2V4-F	BZX84C2V4-F	SOT-23	2.4	0.3	5	.44	.30	.20	.15
621-BZX84C2V7-F	BZX84C2V7-F	SOT-23	2.7	0.3	5	.44	.30	.20	.15
621-BZX84C3V0-F	BZX84C3V0-F	SOT-23	3	0.3	5	.44	.30	.20	.15
621-BZX84C3V3-F	BZX84C3V3-F	SOT-23	3.3	0.3	5	.44	.30	.20	.15
621-BZX84C3V6-F	BZX84C3V6-F	SOT-23	3.6	0.3	5	.44	.30	.20	.15
621-BZX84C3V9-F	BZX84C3V9-F	SOT-23	3.9	0.3	5	.44	.30	.20	.15
621-BZX84C4V3-F	BZX84C4V3-F	SOT-23	4.3	0.3	5	.44	.30	.20	.15
621-BZX84C5V1-F	BZX84C5V1-F	SOT-23	5.1	0.3	5	.44	.30	.20	.15
621-BZX84C5V6-F	BZX84C5V6-F	SOT-23	5.6	0.3	5	.44	.30	.20	.15
621-BZX84C6V2-F	BZX84C6V2-F	SOT-23	6.2	0.3	5	.44	.30	.20	.15
621-BZX84C6V8-F	BZX84C6V8-F	SOT-23	6.8	0.3	5	.44	.30	.20	.15
621-BZX84C7V5-F	BZX84C7V5-F	SOT-23	7.5	0.3	5	.44	.30	.20	.15
621-BZX84C8V2-F	BZX84C8V2-F	SOT-23	8.2	0.3	5	.44	.30	.20	.15
621-BZX84C9V1-F	BZX84C9V1-F	SOT-23	9.1	0.3	5	.44	.30	.20	.15
621-BZX84C10-F	BZX84C10-F	SOT-23	10	0.3	5	.44	.30	.20	.15
621-BZX84C12-F	BZX84C12-F	SOT-23	12	0.3	5	.44	.30	.20	.15
621-BZX84C13-F	BZX84C13-F	SOT-23	13	0.3	5	.44	.30	.20	.15
621-BZX84C15-F	BZX84C15-F	SOT-23	15	0.3	5	.44	.30	.20	.15
621-BZX84C16-F	BZX84C16-F	SOT-23	16	0.3	5	.44	.30	.20	.15
621-BZX84C18-F	BZX84C18-F	SOT-23	18	0.3	5	.44	.30	.20	.15
621-BZX84C20-F	BZX84C20-F	SOT-23	20	0.3	5	.44	.30	.20	.15
621-BZX84C22-F	BZX84C22-F	SOT-23	22	0.3	5	.44	.30	.20	.15
621-BZX84C24-F	BZX84C24-F	SOT-23	24	0.3	5	.44	.30	.20	.15
621-BZX84C27-F	BZX84C27-F	SOT-23	27	0.3	2	.44	.30	.20	.15
621-BZX84C30-F	BZX84C30-F	SOT-23	30	0.3	2	.44	.30	.20	.15
621-BZX84C33-F	BZX84C33-F	SOT-23	33	0.3	2	.44	.30	.20	.15
621-BZX84C36-F	BZX84C36-F	SOT-23	36	0.3	2	.44	.30	.20	.15
621-BZX84C39-F	BZX84C39-F	SOT-23	39	0.3	2	.44	.30	.20	.15
MMBZ Series; SOT-23									
621-MMBZ10VAL-F	MMBZ10VAL-F	SOT-23	10	0.225	1	.50	.40	.30	.23
621-MMBZ15VAL-F	MMBZ15VAL-F	SOT-23	15	0.225	1	.50	.40	.30	.23
621-MMBZ18VAL-F	MMBZ18VAL-F	SOT-23	18	0.225	1	.50	.40	.30	.23
621-MMBZ20VAL-F	MMBZ20VAL-F	SOT-23	20	0.225	1	.50	.40	.30	.23
621-MMBZ27VAL-F	MMBZ27VAL-F	SOT-23	27	0.225	1	.50	.40	.30	.23
621-MMBZ33VAL-F	MMBZ33VAL-F	SOT-23	33	0.225	1	.50	.40	.30	.23
621-MMBZ5241B-F	MMBZ5241B-F	SOT-23	24	0.225	1	.44	.30	.20	.15
621-MMBZ5V6AL-F	MMBZ5V6AL-F	SOT-23	5.6	0.225	1	.50	.40	.30	.23
621-MMBZ6V8AL-F	MMBZ6V8AL-F	SOT-23	6.8	0.225	1	.50	.40	.30	.23
621-MMBZ9V1AL-F	MMBZ9V1AL-F	SOT-23	9.1	0.225	1	.50	.40	.30	.23
621-MMBZ5221B-F	MMBZ5221B-F	SOT-23	2.4	0.35	20	.44	.30	.20	.15
621-MMBZ5226B-F	MMBZ5226B-F	SOT-23	3.3	0.35	20	.44	.30	.20	.15
621-MMBZ5227B-F	MMBZ5227B-F	SOT-23	3.6	0.35	20	.44	.30	.20	.15
621-MMBZ5228B-F	MMBZ5228B-F	SOT-23	3.9	0.35	20	.44	.30	.20	.15
621-MMBZ5229B-F	MMBZ5229B-F	SOT-23	4.3	0.35	20	.44	.30	.20	.15
621-MMBZ5230B-F	MMBZ5230B-F	SOT-23	4.7	0.35	20	.44	.30	.20	.15
621-MMBZ5231B-F	MMBZ5231B-F	SOT-23	5.1	0.35	20	.44	.30	.20	.15
621-MMBZ5232B-F	MMBZ5232B-F	SOT-23	5.6	0.35	20	.44	.30	.20	.15
621-MMBZ5234B-F	MMBZ5234B-F	SOT-23	6.2	0.35	20	.44	.30	.20	.15
621-MMBZ5235B-F	MMBZ5235B-F	SOT-23	6.8	0.35	20	.44	.30	.20	.15
621-MMBZ5236B-F	MMBZ5236B-F	SOT-23	7.5	0.35	20	.44	.30	.20	.15
621-MMBZ5237B-F	MMBZ5237B-F	SOT-23	8.2	0.35	20	.44	.30	.20	.15
621-MMBZ5239B-F	MMBZ5239B-F	SOT-23	9.1	0.35	20	.44	.30	.20	.15
621-MMBZ5240B-F	MMBZ5240B-F	SOT-23	10	0.35	20	.44	.30	.20	.15
621-MMBZ5242B-F	MMBZ5242B-F	SOT-23	12	0.35	20	.44	.30	.20	.15
621-MMBZ5243B-F	MMBZ5243B-F	SOT-23	13	0.35	9.5	.44	.30	.20	.15
621-MMBZ5245B-F	MMBZ5245B-F	SOT-23	15	0.35	8.5	.44	.30	.20	.15
621-MMBZ5246B-F	MMBZ5246B-F	SOT-23	16	0.35	7.8	.44	.30	.20	.15
621-MMBZ5248B-F	MMBZ5248B-F	SOT-23	18	0.35	7	.44	.30	.20	.15
621-MMBZ5252B-F	MMBZ5252B-F	SOT-23	24	0.35	5.2	.44	.30	.20	.15
621-MMBZ5254B-F	MMBZ5254B-F	SOT-23	27	0.35	5	.44	.30	.20	.15
621-MMBZ5255B-F	MMBZ5255B-F	SOT-23	28	0.35	4.5	.44	.30	.20	.15
621-MMBZ5256B-F	MMBZ5256B-F	SOT-23	30	0.35	4.2	.44	.30	.20	.15
621-MMBZ5257B-F	MMBZ5257B-F	SOT-23	33	0.35	3.8	.44	.30	.20	.15
621-MMBZ5258B-F	MMBZ5258B-F	SOT-23	36	0.35	3.4	.44	.30	.20	.15

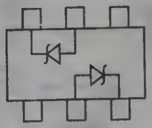
DIODES INC. Zener Diodes

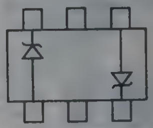
RoHS Compliant This page of product is compliant.


SOT-323


SOT-23
Common Anode


SOT-23
Common Cathode


SOT-363
BZX Configuration
Dual Isolated


SOT-363
MMBZ Configuration
Dual Isolated

SURFACE MOUNT ZENER DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Nom. Volt.	Power Rating	Test Current	Price Each			
						1	10	100	250
BZX Series									
621-BZX84C2V4W-F	BZX84C2V4W-F	SOT-323	2.4V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C2V7W-F	BZX84C2V7W-F	SOT-323	2.7V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C3V0W-F	BZX84C3V0W-F	SOT-323	3V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C3V3W-F	BZX84C3V3W-F	SOT-323	3.3V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C3V6W-F	BZX84C3V6W-F	SOT-323	3.6V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C3V9W-F	BZX84C3V9W-F	SOT-323	3.9V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C4V7W-F	BZX84C4V7W-F	SOT-323	4.7V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C5V1W-F	BZX84C5V1W-F	SOT-323	5.1V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C5V6W-F	BZX84C5V6W-F	SOT-323	5.6V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C6V2W-F	BZX84C6V2W-F	SOT-323	6.2V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C6V8W-F	BZX84C6V8W-F	SOT-323	6.8V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C7V5W-F	BZX84C7V5W-F	SOT-323	7.5V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C8V2W-F	BZX84C8V2W-F	SOT-323	8.2V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C9V1W-F	BZX84C9V1W-F	SOT-323	9.1V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C10W-F	BZX84C10W-F	SOT-323	10V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C12W-F	BZX84C12W-F	SOT-323	12V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C15W-F	BZX84C15W-F	SOT-323	15V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C16W-F	BZX84C16W-F	SOT-323	16V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C18W-F	BZX84C18W-F	SOT-323	18V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C20W-F	BZX84C20W-F	SOT-323	20V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C22W-F	BZX84C22W-F	SOT-323	22V	0.2W	5mA	.38	.28	.19	.14
621-BZX84C30W-F	BZX84C30W-F	SOT-323	30V	0.2W	2mA	.38	.28	.19	.14
MMBZ Series									
621-MMBZ5221BW-F	MMBZ5221BW-F	SOT-323	2.4V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5225BW-F	MMBZ5225BW-F	SOT-323	3V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5226BW-F	MMBZ5226BW-F	SOT-323	3.3V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5227BW-F	MMBZ5227BW-F	SOT-323	3.6V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5228BW-F	MMBZ5228BW-F	SOT-323	3.9V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5230BW-F	MMBZ5230BW-F	SOT-323	4.7V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5231BW-F	MMBZ5231BW-F	SOT-323	5.1V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5232BW-F	MMBZ5232BW-F	SOT-323	5.6V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5235BW-F	MMBZ5235BW-F	SOT-323	6.8V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5242BW-F	MMBZ5242BW-F	SOT-323	12V	0.2W	20mA	.38	.28	.19	.14
621-MMBZ5245BW-F	MMBZ5245BW-F	SOT-323	15V	0.2W	8.5mA	.38	.28	.19	.14
621-MMBZ5246BW-F	MMBZ5246BW-F	SOT-323	16V	0.2W	7.8mA	.38	.28	.19	.14
621-MMBZ5250BW-F	MMBZ5250BW-F	SOT-323	20V	0.2W	6.2mA	.38	.28	.19	.14
621-MMBZ5252BW-F	MMBZ5252BW-F	SOT-323	24V	0.2W	5.2mA	.38	.28	.19	.14
621-MMBZ5258BW-F	MMBZ5258BW-F	SOT-323	36V	0.2W	3.4mA	.38	.28	.19	.14

DUAL SURFACE MOUNT ZENER DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Nom. Volt.	Power Rating	Test Current	Price Each			
						1	10	100	250
Common Anode									
621-AZ23C3V0-F	AZ23C3V0-F	SOT-23	3V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C3V9-F	AZ23C3V9-F	SOT-23	3.9V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C4V7-F	AZ23C4V8-F	SOT-23	4.7V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C5V1-F	AZ23C5V1-F	SOT-23	5.1V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C5V6-F	AZ23C5V6-F	SOT-23	5.6V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C6V2-F	AZ23C6V2-F	SOT-23	6.2V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C6V8-F	AZ23C6V8-F	SOT-23	6.8V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C10-F	AZ23C10-F	SOT-23	10V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C12-F	AZ23C12-F	SOT-23	12V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C15-F	AZ23C15-F	SOT-23	15V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C16-F	AZ23C16-F	SOT-23	16V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C20-F	AZ23C20-F	SOT-23	20V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C22-F	AZ23C22-F	SOT-23	22V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C27-F	AZ23C27-F	SOT-23	27V	0.3W	5mA	.50	.40	.30	.23
621-AZ23C36-F	AZ23C36-F	SOT-23	36V	0.3W	5mA	.50	.40	.30	.23
Common Cathode									
621-DZ23C3V0-F	DZ23C3V0-F	SOT-23	3V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C3V3-F	DZ23C3V3-F	SOT-23	3.3V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C3V6-F	DZ23C3V6-F	SOT-23	3.6V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C3V9-F	DZ23C3V9-F	SOT-23	3.9V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C4V3-F	DZ23C4V4-F	SOT-23	4.3V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C5V1-F	DZ23C5V1-F	SOT-23	5.1V	0.3W	5mA	.45	.36	.27	.21

DUAL SURFACE MOUNT ZENER DIODES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Nom. Volt.	Power Rating	Test Current	Price Each			
						1	10	100	250
Common Cathode (Cont.)									
621-DZ23C5V6-F	DZ23C5V6-F	SOT-23	5.6V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C6V2-F	DZ23C6V2-F	SOT-23	6.2V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C6V8-F	DZ23C6V8-F	SOT-23	6.8V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C7V5-F	DZ23C7V6-F	SOT-23	7.5V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C8V2-F	DZ23C8V3-F	SOT-23	8.2V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C9V1-F	DZ23C9V2-F	SOT-23	9.1V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C10-F	DZ23C10-F	SOT-23	10V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C12-F	DZ23C12-F	SOT-23	12V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C15-F	DZ23C15-F	SOT-23	15V	0.3W	5mA	.45	.36	.27	.21
621-DZ23C27-F	DZ23C27-F	SOT-23	27V	0.3W	5mA	.45	.36	.27	.21

DUAL ISOLATED ZENER DIODES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Nom. Volt.	Power Rating	Test Current	Price Each			
						1	10	100	250
BZX Series									
621-BZX84C2V4S-F	BZX84C2V4S-F	SOT-363	2.4V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C2V7S-F	BZX84C2V7S-F	SOT-363	2.7V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C3V0S-F	BZX84C3V0S-F	SOT-363	3V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C3V3S-F	BZX84C3V3S-F	SOT-363	3.3V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C3V6S-F	BZX84C3V6S-F	SOT-363	3.6V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C5V1S-F	BZX84C5V1S-F	SOT-363	5.1V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C5V6S-F	BZX84C5V6S-F	SOT-363	5.6V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C6V2S-F	BZX84C6V2S-F	SOT-363	6.2V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C8V2S-F	BZX84C8V2S-F	SOT-363	8.2V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C9V1S-F	BZX84C9V1S-F	SOT-363	9.1V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C12S-F	BZX84C12S-F	SOT-363	12V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C15S-F	BZX84C15S-F	SOT-363	15V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C22S-F	BZX84C22S-F	SOT-363	22V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C24S-F	BZX84C24S-F	SOT-363	24V	0.2W	5mA	.42	.31	.22	.16
621-BZX84C27S-F	BZX84C27S-F	SOT-363	27V	0.2W	2mA	.42	.31	.22	.16
621-BZX84C30S-F	BZX84C30S-F	SOT-363	30V	0.2W	2mA	.42	.31	.22	.16
621-BZX84C33S-F	BZX84C33S-F	SOT-363	33V	0.2W	2mA	.42	.31	.22	.16
621-BZX84C39S-F	BZX84C39S-F	SOT-363	39V	0.2W	2mA	.42	.31	.22	.16
MMBZ Series									
621-MMBZ5221BS-F	MMBZ5221BS-F	SOT-363	2.4V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5227BS-F	MMBZ5227BS-F	SOT-363	3.6V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5230BS-F	MMBZ5230BS-F	SOT-363	4.7V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5232BS-F	MMBZ5232BS-F	SOT-363	5.6V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5234BS-F	MMBZ5234BS-F	SOT-363	6.2V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5235BS-F	MMBZ5235BS-F	SOT-363	6.8V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5236BS-F	MMBZ5236BS-F	SOT-363	7.5V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5240BS-F	MMBZ5240BS-F	SOT-363	10V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5241BS-F	MMBZ5241BS-F	SOT-363	11V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5242BS-F	MMBZ5242BS-F	SOT-363	12V	0.2W	20mA	.42	.31	.22	.16
621-MMBZ5245BS-F	MMBZ5245BS-F	SOT-363	15V	0.2W	8.5mA	.42	.31	.22	.16
621-MMBZ5246BS-F	MMBZ5246BS-F	SOT-363	16V	0.2W	7.8mA	.42	.31	.22	.16
621-MMBZ5248BS-F	MMBZ5248BS-F	SOT-363	18V	0.2W	7mA	.42	.31	.22	.16
621-MMBZ5250BS-F	MMBZ5250BS-F	SOT-363	20V	0.2W	6.2mA	.42	.31	.22	.16
621-MMBZ5255BS-F	MMBZ5255BS-F	SOT-363	28V	0.2W	4.5mA	.42	.31	.22	.16
621-MMBZ5256BS-F	MMBZ5256BS-F	SOT-363	30V	0.2W	4.2mA	.42	.31	.22	.16
621-MMBZ5258BS-F	MMBZ5258BS-F	SOT-363	36V	0.2W	3.4mA	.42	.31	.22	.16
SMA Series									
621-SMAZ5V1-F	SMAZ5V1-F	SMA	5.1V	1W	100mA	.52	.40	.29	.21
621-SMAZ5V6-F	SMAZ5V6-F	SMA	5.6V	1W	100mA	.52	.40	.29	.21
621-SMAZ6V8-F	SMAZ6V8-F	SMA	6.8V	1W	100mA	.52	.40	.29	.21
621-SMAZ7V5-F	SMAZ7V5-F	SMA	7.5V	1W	100mA	.52	.40	.29	.21
621-SMAZ12-F	SMAZ12-F	SMA	12V	1W	50mA	.52	.40	.29	.21
621-SMAZ15-F	SMAZ15-F	SMA	15V	1W	50mA	.52	.40	.29	.21
621-SMAZ20-F	SMAZ20-F	SMA	20V	1W	25mA	.52	.40	.29	.21
621-SMAZ24-F	SMAZ24-F	SMA	24V	1W	25mA	.52	.40	.29	.21
621-SMAZ30-F	SMAZ30-F	SMA	30V	1W	25mA	.52	.40	.29	.21
621-SMAZ36-F	SMAZ36-F	SMA	36V	1W	10mA	.52	.40	.29	.21

DIODES INC. Rectifiers

DIODES INCORPORATED

RoHS Compliant **This page of product is compliant.**

STANDARD RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	V_{RRM} (Max.)	Max. Surge Current	Forward Voltage	Operating Temerature	Price Each			
								1	10	100	250
621-1N4001	1N4001-T	DO-41	1A	50	30A	1.0	-65°C to +175°C	.26	.14	.08	.06
621-1N4004	1N4004-T	DO-41	1A	400	30A	1.0	-65°C to +175°C	.26	.14	.08	.06
621-1N4007	1N4007-T	DO-41	1A	1000	30A	1.0	-65°C to +175°C	.26	.14	.08	.06
621-1N5404	1N5404-T	DO-201AD	3A	400	200A	1.0	-65°C to +175°C	.40	.27	.19	.13
621-1N5408	1N5408-T	DO-201AD	3A	1000	200A	1.0	-65°C to +175°C	.40	.27	.19	.13
621-6A1	6A1-T	D-6	6A	100	400A	0.90	-65°C to +175°C	.47	.38	.28	.22
621-6A4	6A4-T	D-6	6A	400	400A	0.90	-65°C to +175°C	.47	.38	.28	.22
621-6A10	6A10-T	D-6	6A	1000	400A	0.90	-65°C to +175°C	.47	.38	.28	.22

GLASS PASSIVATED RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	V_{RRM} (Max.)	Max. Surge Current	Max. Forward Voltage Peak	Operating Temerature	Price Each			
								1	10	100	250
621-DL4001-F	DL4001-13-F	MELF	1A	50V	30A	1.1V	-65°C to +175°C	.42	.29	.20	.14
621-DL4004-F	DL4004-13-F	MELF	1A	400V	30A	1.1V	-65°C to +175°C	.42	.29	.20	.14
621-DL4007-F	DL4007-13-F	MELF	1A	1000V	30A	1.1V	-65°C to +175°C	.46	.31	.21	.15
621-S1AB-F	S1AB-F	SMB	1A	50V	30A	1.1V	-65°C to +150°C	.42	.31	.22	.16
621-S1BB-F	S1BB-F	SMB	1A	100V	30A	1.1V	-65°C to +150°C	.44	.32	.22	.17
621-S1DB-F	S1DB-F	SMB	1A	200V	30A	1.1V	-65°C to +150°C	.45	.33	.24	.17
621-S1GB-F	S1GB-F	SMB	1A	400V	30A	1.1V	-65°C to +150°C	.48	.35	.24	.17
621-S1JB-F	S1JB-F	SMB	1A	600V	30A	1.1V	-65°C to +150°C	.49	.36	.25	.18
621-S1KB-F	S1KB-F	SMB	1A	800V	30A	1.1V	-65°C to +150°C	.39	.30	.22	.16
621-S1MB-F	S1MB-F	SMB	1A	1000V	30A	1.1V	-65°C to +150°C	.44	.34	.24	.18
621-S1A-F	S1A-F	SMA	1A	50V	30A	1V	-65°C to +150°C	.47	.32	.22	.16
621-S1B-F	S1B-F	SMA	1A	100V	30A	1V	-65°C to +150°C	.48	.33	.22	.16
621-S1D-F	S1D-F	SMA	1A	200V	30A	1V	-65°C to +150°C	.38	.28	.19	.14
621-S1G-F	S1G-F	SMA	1A	400V	30A	1V	-65°C to +150°C	.39	.28	.20	.14
621-S1J-F	S1J-F	SMA	1A	600V	30A	1V	-65°C to +150°C	.40	.30	.21	.15
621-S1K-F	S1K-F	SMA	1A	800V	30A	1V	-65°C to +150°C	.46	.34	.24	.17
621-S1M-F	S1M-F	SMA	1A	1000V	30A	1V	-65°C to +150°C	.41	.32	.23	.17
621-S2AA-F	S2AA-F	SMA	1.5A	50V	50A	1.15V	-65°C to +150°C	.39	.30	.22	.16
621-S2BA-F	S2BA-F	SMA	1.5A	100V	50A	1.15V	-65°C to +150°C	.39	.30	.22	.16
621-S2DA-F	S2DA-F	SMA	1.5A	200V	50A	1.15V	-65°C to +150°C	.39	.30	.22	.16
621-S2GA-F	S2GA-F	SMA	1.5A	400V	50A	1.15V	-65°C to +150°C	.39	.30	.22	.16
621-S2JA-F	S2JA-F	SMA	1.5A	600V	50A	1.15V	-65°C to +150°C	.46	.35	.25	.18
621-S2MA-F	S2MA-F	SMA	1.5A	1000V	50A	1.15V	-65°C to +150°C	.46	.35	.25	.18
621-S2A-F	S2A-F	SMB	1.5A	50V	30A	1.5V	-65°C to +150°C	.42	.31	.22	.16
621-S2B-F	S2B-F	SMB	1.5A	100V	30A	1.5V	-65°C to +150°C	.42	.31	.22	.16
621-S2D-F	S2D-F	SMB	1.5A	200V	30A	1.5V	-65°C to +150°C	.42	.31	.22	.16
621-S2G-F	S2G-F	SMB	1.5A	400V	30A	1.5V	-65°C to +150°C	.42	.31	.22	.16
621-S2J-F	S2J-F	SMB	1.5A	600V	30A	1.5V	-65°C to +150°C	.39	.30	.22	.16
621-S2K-F	S2K-F	SMB	1.5A	800V	30A	1.5V	-65°C to +150°C	.39	.30	.22	.16
621-S2M-F	S2M-F	SMB	1.5A	1000V	30A	1.5V	-65°C to +150°C	.39	.30	.22	.16
621-S3AB-F	S3AB-F	SMB	3A	50V	100A	1.15V	-65°C to +150°C	.65	.52	.39	.29
621-S3BB-F	S3BB-F	SMB	3A	100V	100A	1.15V	-65°C to +150°C	.65	.52	.39	.29
621-S3DB-F	S3DB-F	SMB	3A	200V	100A	1.15V	-65°C to +150°C	.65	.52	.39	.29
621-S3GB-F	S3GB-F	SMB	3A	400V	100A	1.15V	-65°C to +150°C	.65	.52	.39	.29
621-S3JB-F	S3JB-F	SMB	3A	600V	100A	1.15V	-65°C to +150°C	.68	.54	.41	.32
621-S3KB-F	S3KB-F	SMB	3A	800V	100A	1.15V	-65°C to +150°C	.68	.54	.41	.32
621-S3MB-F	S3MB-F	SMB	3A	1000V	100A	1.15V	-65°C to +150°C	.68	.54	.41	.32
621-S3A-F	S3A-F	SMC	3A	50V	100A	1.15V	-65°C to +150°C	.70	.56	.42	.32
621-S3B-F	S3B-F	SMC	3A	100V	100A	1.15V	-65°C to +150°C	.70	.56	.42	.32
621-S3D-F	S3D-F	SMC	3A	200V	100A	1.15V	-65°C to +150°C	.70	.56	.42	.32
621-S3G-F	S3G-F	SMC	3A	400V	100A	1.15V	-65°C to +150°C	.70	.56	.42	.32
621-S3J-F	S3J-13-F	SMC	3A	600V	100A	1.15V	-65°C to +150°C	.72	.58	.43	.34
621-S3K-F	S3K-13-F	SMC	3A	800V	100A	1.15V	-65°C to +150°C	.72	.58	.43	.34
621-S3M-F	S3M-13-F	SMC	3A	1000V	100A	1.15V	-65°C to +150°C	.72	.58	.43	.34
621-S5AC-F	S5AC-13-F	SMC	5A	50V	100A	1.15V	-65°C to +150°C	.64	.51	.38	.30
621-S5BC-F	S5BC-13-F	SMC	5A	100V	100A	1.15V	-65°C to +150°C	.68	.54	.41	.32
621-S5DC-F	S5DC-13-F	SMC	5A	200V	100A	1.15V	-65°C to +150°C	.72	.58	.43	.34
621-S5GC-F	S5GC-13-F	SMC	5A	400V	100A	1.15V	-65°C to +150°C	.80	.64	.48	.38
621-S5JC-F	S5JC-13-F	SMC	5A	600V	100A	1.15V	-65°C to +150°C	.84	.67	.50	.40
621-S5KC-F	S5KC-13-F	SMC	5A	800V	100A	1.15V	-65°C to +150°C	.92	.74	.55	.44
621-S5MC-F	S5MC-13-F	SMC	5A	1000V	100A	1.15V	-65°C to +150°C	.83	.65	.50	.42

SCHOTTKY BARRIER RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	V_{RRM} (Max.)	I_{FSM}	Forward Voltage Drop		Price Each			
						V_F	@ I_F	1	10	100	250
621-B0520LW-F	B0520LW-13-F	SOD-123	.5A	20V	5.5A	.385V	.5A	.50	.40	.30	.23
621-B0530WS-F	B0530WS-7	SOD-323	.5A	30V	2A	.45V	.5A	.67	.60	.40	.34
621-B0530W-F	B0530W-13-F	SOD-123	.5A	30V	5.5A	.43V	.5A	.50	.40	.30	.23
621-B0540WS-F	B0540WS-7	SOD-323	.5A	40V	3A	.55V	.5A	.67	.60	.40	.34
621-B0540W-F	B0540W-13-F	SOD-123	.5A	40V	5.5A	.51V	.5A	.50	.40	.30	.23
621-DFLS120L	DFLS120L-7	PowerDI™123	1A	20V	22A	.36V	1A	.64	.51	.38	.29
621-1N5817	1N5817-T	DO-41	1A	20V	25A	.75V	3A	.39	.30	.22	.16
621-B120-F	B120-13-F	SMA	1A	20V	30A	.5V	1A	.55	.44	.33	.25
621-B120B-F	B120B-13-F	SMB	1A	20V	30A	.5V	1A	.62	.50	.37	.30
621-PD3S120L-7	PD3S120L-7	PowerDI™323	1A	20V	33A	.42V	1A	.72	.58	.43	.37
621-B130LAW-F	B130LAW-13-F	SOD-123	1A	30V	12A	.42V	1A	.67	.54	.40	.34
621-DFLS130	DFLS130-7	PowerDI™123	1A	30V	22A	.42V	1A	.60	.48	.36	.30
621-1N5818	1N5818-T	DO-41	1A	30V	25A	.875V	3A	.39	.30	.22	.16
621-B130L-F	B130L-13-F	SMA	1A	30V	25A	.41V	1A	.67	.54	.40	.30

DIODES INC. Rectifiers

RoHS Compliant This page of product is compliant.

SCHOTTKY BARRIER RECTIFIERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	V_{RRM} (Max.)	I_{FSM}	Forward Voltage Drop		Price Each			
						V_F	@ I_F	1	10	100	250
621-B130-F	B130-13-F	SMA	1A	30V	30A	.5V	1A	.57	.46	.34	.26
621-B130B-F	B130B-13-F	SMB	1A	30V	30A	.5V	1A	.65	.52	.39	.29
621-B130LB-F	B130LB-13-F	SMB	1A	30V	40A	.40V	1A	.70	.56	.42	.32
621-1N5819HW-F	1N5819HW-13-F	SOD-123	1A	40V	25A	.45V	1A	.72	.58	.43	.34
621-1N5819	1N5819-T	DO-41	1A	40V	25A	.90V	3A	.39	.30	.22	.15
621-B140-F	B140-13-F	SMA	1A	40V	30A	.5V	1A	.60	.48	.36	.27
621-B140B-F	B140B-13-F	SMB	1A	40V	30A	.5V	1A	.67	.54	.40	.30
621-B140HB-F	B140HB-13-F	SMB	1A	40V	45A	.53V	1A	.72	.58	.43	.33
621-B150-F	B150-13-F	SMA	1A	50V	30A	.7V	1A	.62	.50	.37	.29
621-B150B-F	B150B-13-F	SMB	1A	50V	30A	.7V	1A	.70	.56	.42	.33
621-B160-F	B160-13-F	SMA	1A	60V	30A	.7V	1A	.76	.61	.46	.36
621-B160B-F	B160B-13-F	SMB	1A	60V	30A	.7V	1A	.84	.67	.50	.40
621-DFLS160-F	DFLS160-7	PowerDI™123	1A	60V	50A	.5V	1A	.96	.77	.58	.48
621-B180-F	B180-13-F	SMA	1A	80V	30A	.79V	1A	.80	.64	.48	.38
621-B180B-F	B180B-13-F	SMB	1A	80V	30A	.79V	1A	.88	.70	.53	.42
621-SB1100T	SB1100-T	DO-41	1A	100V	25A	.80V	1A	.55	.44	.33	.25
621-B1100-F	B1100-13-F	SMA	1A	100V	30A	.79V	1A	.84	.67	.50	.40
621-B1100B-F	B1100B-13-F	SMB	1A	100V	30A	.79V	1A	.92	.74	.55	.44
621-DFLS1200-F	DFLS1200-7	PowerDI™123	1A	100V	40A	.77V	1A	2.07	1.84	1.38	1.06
621-B1100LB-F	B1100LB-13-F	SMB	1A	100V	50A	.75V	1A	.83	.65	.50	.42
621-DFLS220L-7	DFLS220L-7	PowerDI™123	2A	20V	40A	.42V	2A	1.08	.86	.65	.55
621-B220-F	B220-13-F	SMB	2A	20V	50A	.5V	2A	.84	.67	.50	.40
621-B220A-F	B220A-13-F	SMA	2A	20V	50A	.5V	2A	.76	.61	.46	.36
621-DFLS230-7	DFLS230-7	PowerDI™123	2A	30V	22A	.49V	2A	.99	.79	.59	.51
621-DFLS230L-7	DFLS230L-7	PowerDI™123	2A	30V	33A	.42V	2A	1.08	.86	.65	.55
621-B230-F	B230-13-F	SMB	2A	30V	50A	.5V	2A	.90	.72	.54	.43
621-B230A-F	B230A-13-F	SMA	2A	30V	50A	.5V	2A	.82	.66	.49	.39
621-DFLS230LH-F	DFLS230LH-7	PowerDI™123	2A	30V	75A	.45V	2A	1.31	1.13	.87	.73
621-B240-F	B240-13-F	SMB	2A	40V	50A	.5V	2A	.96	.77	.58	.46
621-B240A-F	B240A-13-F	SMA	2A	40V	50A	.5V	2A	.86	.69	.52	.41
621-DFLS240L-7	DFLS240L-7	PowerDI™123	2A	40V	50A	.55V	2A	1.08	.86	.65	.55
621-B250-F	B250-13-F	SMB	2A	50V	50A	.7V	2A	.83	.65	.50	.42
621-B250A-F	B250A-13-F	SMA	2A	50V	50A	.7V	2A	.90	.72	.54	.43
621-B260-F	B260-13-F	SMB	2A	60V	50A	.7V	2A	.89	.70	.54	.45
621-B260A-F	B260A-13-F	SMA	2A	60V	50A	.7V	2A	.96	.77	.58	.46
621-B290-F	B290-13-F	SMB	2A	90V	50A	.79V	2A	.99	.78	.60	.50
621-B2100-F	B2100-13-F	SMB	2A	100V	50A	.79V	2A	1.02	.81	.62	.51
621-B320A-F	B320A-13-F	SMA	3A	20V	100A	.5V	3A	.96	.77	.58	.46
621-B320-F	B320-13-F	SMC	3A	20V	125A	.5V	3A	.99	.78	.60	.50
621-B320B-F	B320B-13-F	SMC	3A	20V	125A	.5V	3A	.89	.70	.54	.45
621-1N5820	1N5820-T	DO-201AD	3A	20V	80A	.85V	3A	.67	.54	.40	.32
621-B330A-F	B330A-13-F	SMA	3A	30V	100A	.5V	3A	.83	.65	.50	.42
621-B330-F	B330-13-F	SMC	3A	30V	125A	.5V	3A	1.02	.81	.62	.51
621-B330B-F	B330B-13-F	SMC	3A	30V	125A	.5V	3A	.92	.73	.56	.46
621-1N5821	1N5821-T	DO-201AD	3A	30V	80A	.90V	3A	.67	.54	.40	.32
621-B340A-F	B340A-13-F	SMA	3A	40V	100A	.5V	3A	.86	.68	.52	.43
621-B340-F	B340-13-F	SMC	3A	40V	125A	.5V	3A	1.09	.86	.66	.55
621-B340B-F	B340B-13-F	SMC	3A	40V	125A	.5V	3A	.96	.75	.58	.48
621-B340LA-F	B340LA-13-F	SMA	3A	40V	70A	.45V	3A	.86	.68	.52	.43
621-B340LB-F	B340LB-13-F	SMB	3A	40V	70A	.45V	3A	.96	.75	.58	.48
621-1N5822	1N5822-T	DO-201AD	3A	40V	80A	.95V	3A	.67	.54	.40	.32
621-B350A-F	B350A-13-F	SMA	3A	50V	100A	.7V	3A	1.06	.83	.64	.53
621-B350B-F	B350B-13-F	SMC	3A	50V	125A	.7V	3A	1.19	.94	.72	.60
621-B360A-F	B360A-13-F	SMA	3A	60V	100A	.7V	3A	1.16	.91	.70	.58
621-MBRM360-F	MBRM360-13-F	Powermite®3	3A	60V	100A	.63V	3A	1.06	.83	.64	.53
621-PDS360-F	PDS360-13	PowerDI™5	3A	60V	100A	.62V	3A	1.80	1.50	1.26	1.05
621-B360-F	B360-13-F	SMC	3A	60V	125A	.7V	3A	1.45	1.14	.88	.73
621-B360B-F	B360B-13-F	SMB	3A	60V	125A	.7V	3A	1.29	1.01	.78	.65
621-B370-F	B370-13-F	SMC	3A	70V	100A	.79V	3A	1.49	1.17	.90	.75
621-B380-F	B380-13-F	SMC	3A	80V	100A	.79V	3A	1.52	1.20	.92	.76
621-B3100-F	B3100-13-F	SMC	3A	100V	100A	.79V	3A	1.58	1.25	.96	.80
621-PDS3100-13	PDS3100-13	PowerDI™5	3A	100V	90A	.75V	3A	1.73	1.50	1.15	.97
621-PDS3200-13	PDS3200-13	PowerDI™5	3A	200V	180A	.78V	3A	1.80	1.50	1.26	1.05
621-PDS4150-F	PDS4150-13	PowerDI™5	4A	150V	180A	.76V	4A	2.25	1.87	1.57	1.31
621-B520C-F	B520C-13-F	SMC	5A	20V	175A	.55V	5A	1.16	.91	.70	.58
621-B530C-13-F	B530C-13-F	SMC	5A	30V	175A	.55V	5A	1.22	.96	.74	.61
621-PDS1040CTL-13	PDS1040CTL-13	PowerDI™5	5A	40V	110A	.50V	5A	1.80	1.50	1.26	1.05
621-B540C-F	B540C-13-F	SMC	5A	40V	175A	.55V	5A	1.29	1.01	.78	.65
621-B550C-F	B550C-13-F	SMC	5A	50V	175A	.7V	5A	1.42	1.12	.86	.71
621-MBRM560-F	MBRM560-13-F	Powermite®3	5A	60V	100A	.66V	5A	1.50	1.30	1.00	.84
621-PDS560-F	PDS560-13	PowerDI™5	5A	60V	120A	.67V	5A	1.89	1.57	1.32	1.10
621-B560C-F	B560C-13-F	SMC	5A	60V	175A	.7V	5A	1.55	1.22	.94	.78
621-PDS5100-13	PDS5100-13	PowerDI™5	5A	100V	120A	.78V	5A	1.53	1.28	1.07	.89
621-SB5100T	SB5100-T	DO-201AD	5A	100V	150A	.80V	5A	1.12	.88	.68	.56
621-PDS5100H-13	PDS5100H-13	PowerDI™5	5A	100V	250A	.71V	5A	1.80	1.50	1.26	1.05
621-PDS760-F	PDS760-13	PowerDI™5	7A	60V	275A	.62V	7A	2.04	1.70	1.42	1.19
621-PDS1040-13	PDS1040-13	PowerDI™5	10A	40V	275A	.51V	10A	1.62	1.35	1.13	.95
621-PDS1040L-13	PDS1040L-13	PowerDI™5	10A	40V	275A	.49V	10A	1.65	1.38	1.16	.96
621-PDS1045-F	PDS1045-13	PowerDI™5	10A	45V	275A	.51V	10A	2.07	1.72	1.44	1.20

DIODES INC. Rectifiers

RoHS Compliant This page of product is compliant.

BRIDGE RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	V_{RRM} (Max.)	Max. Surge Current	Operating Temerature	Price Each			
							1	10	100	250
621-HD04T	HD04-T	MiniDIP	0.8A	400	30A	-55°C to +150°C	.64	.51	.38	.30
621-HD06T	HD06-T	MiniDIP	0.8A	600	30A	-55°C to +150°C	.68	.54	.41	.32
621-DF01M	DF01M	DFM	1A	100	50A	-65°C to +150°C	.60	.48	.36	.30
621-DF01ST	DF01S-T	DFS	1A	100	50A	-65°C to +150°C	.76	.61	.46	.36
621-DF04M	DF04M	DFM	1A	400	50A	-65°C to +150°C	.60	.48	.36	.30
621-DF10M	DF10M	DFM	1A	1000	50A	-65°C to +150°C	.80	.64	.48	.40
621-DF1501ST	DF1501S-T	DFS	1.5A	100	50A	-65°C to +150°C	.84	.67	.50	.40
621-KBP04G	KBP04G	KBP	1.5A	400	40A	-65°C to +150°C	1.22	.97	.74	.65
621-DF1504ST	DF1504S-T	DFS	1.5A	400	50A	-65°C to +150°C	.84	.67	.50	.40
621-W04G	W04G	WOG	1.5A	400	50A	-65°C to +150°C	.64	.52	.39	.33
621-KBP10G	KBP10G	KBP	1.5A	1000	40A	-65°C to +150°C	1.62	1.28	.98	.85
621-DF1510ST	DF1510S-T	DFS	1.5A	1000	50A	-65°C to +150°C	.89	.70	.54	.45
621-W10G	W10G	WOG	1.5A	1000	50A	-65°C to +150°C	.72	.58	.44	.37
621-KBP204G	KBP204G	KBP	2A	400	65A	-65°C to +150°C	1.22	.97	.74	.65
621-KBP210G	KBP210G	KBP	2A	1000	65A	-65°C to +150°C	1.62	1.28	.98	.85
621-GBU404	GBU404	GBU	4A	400	150A	-65°C to +150°C	1.42	1.12	.86	.74
621-GBU410	GBU410	GBU	4A	1000	150A	-65°C to +150°C	1.38	1.08	.85	.73
621-GBJ604-F	GBJ604-F	GBJ	6A	400	170A	-65°C to +150°C	1.84	1.43	1.13	1.03
621-GBJ610-F	GBJ610-F	GBJ	6A	1000	170A	-65°C to +150°C	2.05	1.60	1.27	1.15
621-GBJ804-F	GBJ804-F	GBJ	8A	400	170A	-65°C to +150°C	1.94	1.52	1.20	1.09
621-GBU804	GBU804	GBU	8A	400	200A	-65°C to +150°C	1.46	1.14	.90	.82
621-GBJ810-F	GBJ810-F	GBJ	8A	1000	170A	-65°C to +150°C	2.21	1.73	1.37	1.23
621-GBU810	GBU810	GBU	8A	1000	200A	-55°C to +150°C	1.70	1.33	1.05	.96
621-GBJ1004-F	GBJ1004-F	GBJ	10A	400	220A	-65°C to +150°C	2.03	1.58	1.25	1.16
621-GBU1004	GBU1004	GBU	10A	400	220A	-65°C to +150°C	2.03	1.58	1.25	1.16
621-GBJ1010-F	GBJ1010-F	GBJ	10A	1000	220A	-65°C to +150°C	2.38	1.85	1.46	1.33
621-GBU1010	GBU1010	GBU	10A	1000	220A	-65°C to +150°C	2.38	1.85	1.46	1.33
621-GBJ1504	GBJ1504-F	GBJ	15A	400	240A	-65°C to +150°C	2.21	1.73	1.37	1.23
621-GBPC1504	GBPC1504	GBPC	15A	400	300A	-65°C to +150°C	2.88	2.32	1.88	1.76
621-GBJ1510-F	GBJ1510-F	GBJ	15A	1000	240A	-65°C to +150°C	2.48	1.94	1.53	1.39
621-GBPC1510	GBPC1510	GBPC	15A	1000	300A	-65°C to +150°C	3.22	2.59	2.10	1.96
621-GBJ2004	GBJ2004	GBJ	20A	400	240A	-65°C to +150°C	2.27	1.77	1.40	1.27
621-GBJ2010-F	GBJ2010-F	GBJ	20A	1000	240A	-65°C to +150°C	2.51	1.96	1.54	1.41
621-GBPC2504	GBPC2504	GBPC	25A	400	300A	-65°C to +150°C	2.88	2.32	1.88	1.76
621-GBJ2504-F	GBJ2504-F	GBJ	25A	400	350A	-65°C to +150°C	2.51	1.96	1.54	1.41
621-GBPC2510	GBPC2510	GBPC	25A	1000	300A	-65°C to +150°C	3.22	2.59	2.10	1.96
621-GBJ2510-F	GBJ2510-F	GBJ	25A	1000	350A	-65°C to +150°C	2.35	1.89	1.53	1.43
621-GBPC3504	GBPC3504	GBPC	35A	400	400A	-65°C to +150°C	3.22	2.59	2.10	1.96
621-GBPC3510	GBPC3510	GBPC	35A	1000	400A	-65°C to +150°C	3.57	2.87	2.33	2.18

FAST / SUPER-FAST / ULTRA-FAST RECOVERY RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Rectifying Current	Reverse Recovery Time	V_{RRM} (Max.)	Max. Surge Current	Price Each			
							1	10	100	250
621-ES1A-F	ES1A-13-F	SMA	1A	25ns	50	30A	.67	.54	.40	.30
621-ES1B-F	ES1B-13-F	SMA	1A	25ns	100	30A	.70	.56	.42	.32
621-ES1C-F	ES1C-13-F	SMA	1A	25ns	150	30A	.72	.58	.43	.33
621-ES1D-F	ES1D-13-F	SMB	1A	25ns	200	30A	.60	.48	.36	.29
621-MUR120	MUR120-T	DO-41	1A	25ns	200	35A	.55	.44	.33	.26
621-MURS120	MURS120-13-F	SMB	1A	25ns	200	40A	.60	.48	.36	.29
621-UF1001	UF1001-T	DO-41	1A	50ns	50	30A	.45	.30	.21	.15
621-US1A-F	US1A-13-F	SMA	1A	50ns	50	30A	.55	.44	.33	.25
621-MUR140	MUR140-T	DO-41	1A	50ns	400	35A	.55	.44	.33	.26
621-UF1004	UF1004-T	DO-41	1A	50ns	400	30A	.50	.36	.25	.18
621-US1G-F	US1G-13-F	SMA	1A	50ns	400	30A	.70	.56	.42	.32
621-MUR160	MUR160-T	DO-41	1A	50ns	600	35A	.67	.48	.36	.28
621-MURS160-F	MURS160-13-F	SMB	1A	50ns	600	35A	.64	.51	.38	.30
621-US1J-F	US1J-13-F	SMA	1A	75ns	600	30A	.60	.48	.36	.29
621-US1K-F	US1K-13-F	SMA	1A	75ns	800	30A	.64	.51	.38	.30
621-UF1007	UF1007-T	DO-41	1A	75ns	1000	30A	.47	.37	.28	.21
621-US1M-F	US1M-13-F	SMA	1A	75ns	1000	30A	.68	.54	.41	.32
621-RS1D-13-F	RS1D-13-F	SMA	1A	150ns	200	30A	.20	.19	.17	.16
621-ES2A-F	ES2A-13-F	SMB	2A	25ns	50	50A	.64	.51	.38	.30
621-ES2AA-F	ES2AA-13-F	SMA	2A	25ns	50	50A	.64	.51	.38	.30
621-ES2B-F	ES2B-13-F	SMB	2A	25ns	100	50A	.68	.54	.41	.32
621-ES2CA-F	ES2CA-13-F	SMA	2A	25ns	150	50A	.72	.58	.43	.34
621-ES2D-F	ES2D-13-F	SMB	2A	25ns	200	50A	.76	.61	.46	.36
621-ES2DA-13-F	ES2DA-13-F	SMA	2A	25ns	200	50A	.76	.61	.46	.36
621-ES3AB-F	ES3AB-13-F	SMB	3A	25ns	50	100A	.89	.70	.54	.45
621-ES3B-F	ES3B-13-F	SMC	3A	25ns	100	100A	.84	.66	.51	.42
621-ES3BB-F	ES3BB-13-F	SMB	3A	25ns	100	100A	.84	.66	.51	.42
621-ES3C-F	ES3C-13-F	SMC	3A	25ns	150	100A	.89	.70	.54	.45
621-ES3CB-F	ES3CB-13-F	SMB	3A	25ns	150	100A	.89	.70	.54	.45
621-ES3D-F	ES3D-13-F	SMC	3A	25ns	200	100A	1.06	.83	.64	.53
621-ES3DB-F	ES3DB-13-F	SMB	3A	25ns	200	100A	1.06	.83	.64	.53

FAIRCHILD Zener Diodes

Products may be RoHS compliant.
Check mouser.com for RoHS status.

◆ Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Package	PD	VZ	Price Each	
Mfr. Mfr. Part Number		(W)	(V)	1	25
◆512—MMBZ5221B	SOT-23	.35	2.4	.04	.03
◆512—MMBZ5223B	SOT-23	.35	2.7	.05	.04
◆512—BZX84C3V3	SOT-23	.35	3.3	.06	.05
◆512—MMBZ5226B	SOT-23	.35	3.3	.04	.03
◆512—BZX84C3V6	SOT-23	.35	3.6	.05	.04
◆512—MMBZ5227B	SOT-23	.35	3.6	.05	.04
◆512—BZX84C3V9	SOT-23	.35	3.9	.05	.04
◆512—MMBZ5228B	SOT-23	.35	3.9	.04	.03
◆512—MMBZ5229B	SOT-23	.35	4.3	.04	.03
◆512—BZX84C4V7	SOT-23	.35	4.7	.05	.04
◆512—MMBZ5230B	SOT-23	.35	4.7	.04	.03
◆512—BZX84C5V1	SOT-23	.35	5.1	.05	.04
◆512—MMBZ5231B	SOT-23	.35	5.1	.04	.03
◆512—BZX84C5V6	SOT-23	.35	5.6	.05	.04
◆512—MMBZ5232B	SOT-23	.35	5.6	.04	.03
◆512—MMBZ5233B	SOT-23	.35	6	.04	.03
◆512—BZX84C6V2	SOT-23	.35	6.2	.05	.04
◆512—MMBZ5234B	SOT-23	.35	6.2	.04	.03
◆512—BZX84C6V8	SOT-23	.35	6.8	.06	.05
◆512—MMBZ5235B	SOT-23	.35	6.8	.05	.04
◆512—BZX84C7V5	SOT-23	.35	7.5	.06	.05
◆512—MMBZ5236B	SOT-23	.35	7.5	.05	.05
◆512—BZX84C8V2	SOT-23	.35	8.2	.06	.05
◆512—MMBZ5237B	SOT-23	.35	8.2	.05	.04
◆512—MMBZ5238B	SOT-23	.35	8.7	.05	.04
◆512—BZX84C9V1	SOT-23	.35	9.1	.06	.05
◆512—MMBZ5239B	SOT-23	.35	9.1	.05	.04
◆512—BZX84C10	SOT-23	.35	10	.06	.05
◆512—MMBZ5240B	SOT-23	.35	10	.05	.04
◆512—BZX84C11	SOT-23	.35	11	.06	.05
◆512—MMBZ5241B	SOT-23	.35	11	.05	.04
◆512—BZX84C12	SOT-23	.35	12	.06	.05
◆512—MMBZ5242B	SOT-23	.35	12	.05	.04
◆512—BZX84C13	SOT-23	.35	13	.06	.05
◆512—MMBZ5243B	SOT-23	.35	13	.05	.04
◆512—MMBZ5244B	SOT-23	.35	14	.05	.04
◆512—MMBZ5245B	SOT-23	.35	15	.05	.04
◆512—BZX84C16	SOT-23	.35	16	.06	.05
◆512—MMBZ5246B	SOT-23	.35	16	.05	.04
◆512—MMBZ5247B	SOT-23	.35	17	.06	.05
◆512—MMBZ5248B	SOT-23	.35	18	.05	.04
◆512—MMBZ5249B	SOT-23	.35	19	.05	.04
◆512—BZX84C20	SOT-23	.35	20	.06	.05
◆512—MMBZ5250B	SOT-23	.35	20	.05	.04
◆512—BZX84C22	SOT-23	.35	22	.06	.05
◆512—MMBZ5251B	SOT-23	.35	22	.05	.04
◆512—BZX84C24	SOT-23	.35	24	.06	.05
◆512—MMBZ5252B	SOT-23	.35	24	.05	.04
◆512—MMBZ5253B	SOT-23	.35	25	.06	.05
◆512—BZX84C27	SOT-23	.35	27	.06	.05
◆512—MMBZ5254B	SOT-23	.35	27	.05	.04
◆512—MMBZ5255B	SOT-23	.35	28	.08	.07
◆512—BZX84C30	SOT-23	.35	30	.06	.05
◆512—MMBZ5256B	SOT-23	.35	30	.05	.04
◆512—BZX84C33	SOT-23	.35	33	.06	.05
◆512—MMBZ5257B	SOT-23	.35	33	.05	.04
512—1N4370A	DO-35	.50	2.4	.05	.04
512—1N5221B	DO-35	.50	2.4	.04	.04
512—1N5985B	DO-35	.50	2.4	.04	.04
512—BZX79C2V4	DO-35	.50	2.4	.04	.04
512—BZX55C2V4	DO-35	.50	2.4	.04	.04
512—1N5222B	DO-35	.50	2.5	.04	.04
512—1N4371A	DO-35	.50	2.7	.05	.04
512—1N5223B	DO-35	.50	2.7	.04	.04
512—1N5986B	DO-35	.50	2.7	.04	.04
512—BZX55C2V7	DO-35	.50	2.7	.04	.04
512—BZX79C2V7	DO-35	.50	2.7	.04	.04
512—1N5224B	DO-35	.50	2.8	.04	.04
512—1N4372A	DO-35	.50	3	.05	.04
512—1N5225B	DO-35	.50	3	.04	.04
512—1N5987B	DO-35	.50	3	.04	.04
512—BZX55C3V0	DO-35	.50	3	.04	.04
512—BZX79C3V0	DO-35	.50	3	.04	.04
512—1N5226B	DO-35	.50	3.3	.04	.04
512—1N5988B	DO-35	.50	3.3	.04	.04

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Package	PD	VZ	Price Each	
Mfr. Mfr. Part Number		(W)	(V)	1	25
512—1N746A	DO-35	.50	3.3	.04	.04
512—BZX55C3V3	DO-35	.50	3.3	.04	.04
512—BZX79C3V3	DO-35	.50	3.3	.04	.04
◆512—MMSZ4684	SOD-123	.50	3.3	.06	.05
◆512—MMSZ5226B	SOD-123	.50	3.3	.06	.05
512—1N5227B	DO-35	.50	3.6	.04	.04
512—1N5989B	DO-35	.50	3.6	.04	.04
512—1N747A	DO-35	.50	3.6	.04	.04
512—BZX55C3V6	DO-35	.50	3.6	.04	.04
◆512—MMSZ5227B	SOD-123	.50	3.6	.06	.05
512—1N5228B	DO-35	.50	3.9	.04	.04
512—1N748A	DO-35	.50	3.9	.04	.04
512—BZX55C3V9	DO-35	.50	3.9	.04	.04
512—BZX79C3V9	DO-35	.50	3.9	.04	.04
◆512—MMSZ4686	SOD-123	.50	3.9	.06	.05
◆512—MMSZ5228B	SOD-123	.50	3.9	.06	.05
512—1N5229B	DO-35	.50	4.3	.04	.04
512—1N5991B	DO-35	.50	4.3	.04	.04
512—1N749A	DO-35	.50	4.3	.04	.04
512—BZX55C4V3	DO-35	.50	4.3	.04	.04
512—BZX79C4V3	DO-35	.50	4.3	.04	.04
◆512—MMSZ5229B	SOD-123	.50	4.3	.06	.05
512—1N5230B	DO-35	.50	4.7	.04	.04
512—1N750A	DO-35	.50	4.7	.04	.04
512—BZX55C4V7	DO-35	.50	4.7	.04	.04
512—BZX79C4V7	DO-35	.50	4.7	.04	.04
◆512—MMSZ5230B	SOD-123	.50	4.7	.06	.05
512—1N5231B	DO-35	.50	5.1	.04	.04
512—1N5993B	DO-35	.50	5.1	.04	.04
512—1N751A	DO-35	.50	5.1	.04	.04
512—BZX55C5V1	DO-35	.50	5.1	.04	.04
512—BZX79C5V1	DO-35	.50	5.1	.04	.04
◆512—MMSZ4689	SOD-123	.50	5.1	.06	.05
◆512—MMSZ5231B	SOD-123	.50	5.1	.06	.05
512—1N5231C	DO-35	.50	5.2	.04	.04
512—1N5232B	DO-35	.50	5.6	.04	.04
512—1N752A	DO-35	.50	5.6	.04	.04
512—BZX55C5V6	DO-35	.50	5.6	.04	.04
512—BZX79C5V6	DO-35	.50	5.6	.04	.04
◆512—MMSZ5232B	SOD-123	.50	5.6	.06	.05
512—1N5233B	DO-35	.50	6	.04	.04
◆512—MMSZ5233B	SOD-123	.50	6	.06	.05
512—1N5234B	DO-35	.50	6.2	.04	.04
512—1N5995B	DO-35	.50	6.2	.04	.04
512—1N753A	DO-35	.50	6.2	.04	.04
512—BZX55C6V2	DO-35	.50	6.2	.04	.04
512—BZX79C6V2	DO-35	.50	6.2	.04	.04
◆512—MMSZ5234B	SOD-123	.50	6.2	.06	.05
512—1N5235B	DO-35	.50	6.8	.04	.04
512—1N5996B	DO-35	.50	6.8	.04	.04
512—1N754A	DO-35	.50	6.8	.04	.04
512—1N957B	DO-35	.50	6.8	.04	.04
512—BZX79C6V8	DO-35	.50	6.8	.04	.04
◆512—MMSZ5235B	SOD-123	.50	6.8	.07	.06
512—1N5236B	DO-35	.50	7.5	.04	.04
512—1N5997B	DO-35	.50	7.5	.04	.04
512—1N755A	DO-35	.50	7.5	.04	.04
512—1N958B	DO-35	.50	7.5	.04	.04
512—BZX55C7V5	DO-35	.50	7.5	.04	.04
512—BZX79C7V5	DO-35	.50	7.5	.04	.04
512—1N5237B	DO-35	.50	8.2	.04	.04
512—1N5998B	DO-35	.50	8.2	.04	.04
512—1N756A	DO-35	.50	8.2	.04	.04
512—1N959B	DO-35	.50	8.2	.04	.04
512—BZX79C8V2	DO-35	.50	8.2	.04	.04
◆512—MMSZ5237B	SOD-123	.50	8.2	.07	.06
512—1N5238B	DO-35	.50	8.7	.04	.04
◆512—MMSZ5238B	SOD-123	.50	8.7	.07	.06
512—1N5239B	DO-35	.50	9.1	.04	.04
512—1N5999B	DO-35	.50	9.1	.04	.04
512—1N757A	DO-35	.50	9.1	.04	.04
512—BZX55C9V1	DO-35	.50	9.1	.04	.04
◆512—MMSZ5239B	SOD-123	.50	9.1	.07	.06
512—1N5240B	DO-35	.50	10	.04	.04
512—1N6000B	DO-35	.50	10	.04	.04

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Package	PD	VZ	Price Each	
Mfr. Mfr. Part Number		(W)	(V)	1	25
512—1N758A	DO-35	.50	10	.04	.04
512—1N961B	DO-35	.50	10	.04	.04
512—BZX55C10	DO-35	.50	10	.04	.04
512—BZX79C10	DO-35	.50	10	.04	.04
◆512—MMSZ5240B	SOD-123	.50	10	.07	.06
512—1N5241B	DO-35	.50	11	.04	.04
512—1N6001B	DO-35	.50	11	.04	.04
512—1N962B	DO-35	.50	11	.04	.04
512—BZX55C11	DO-35	.50	11	.04	.04
512—BZX79C11	DO-35	.50	11	.04	.04
◆512—MMSZ5241B	SOD-123	.50	11	.07	.06
512—1N5242B	DO-35	.50	12	.04	.04
512—1N6002B	DO-35	.50	12	.04	.04
512—1N759A	DO-35	.50	12	.04	.04
512—1N963B	DO-35	.50	12	.04	.04
512—BZX55C12	DO-35	.50	12	.04	.04
512—BZX79C12	DO-35	.50	12	.04	.04
◆512—MMSZ5242B	SOD-123	.50	12	.07	.06
512—1N5243B	DO-35	.50	13	.04	.04
512—1N6003B	DO-35	.50	13	.04	.04
512—1N964B	DO-35	.50	13	.04	.04
512—BZX55C13	DO-35	.50	13	.04	.04
◆512—MMSZ5243B	SOD-123	.50	13	.07	.06
512—1N5244B	DO-35	.50	14	.04	.04
◆512—MMSZ5244B	SOD-123	.50	14	.07	.06
512—1N5245B	DO-35	.50	15	.04	.04
512—1N6004B	DO-35	.50	15	.04	.04
512—1N965B	DO-35	.50	15	.04	.04
512—BZX55C15	DO-35	.50	15	.04	.04
512—BZX79C15	DO-35	.50	15	.04	.04
◆512—MMSZ4702	SOD-123	.50	15	.06	.05
◆512—MMSZ5245B	SOD-123	.50	15	.07	.06
512—1N5246B	DO-35	.50	16	.04	.04
512—1N6005B	DO-35	.50	16	.04	.04
512—1N966B	DO-35	.50	16	.04	.04
512—BZX55C16	DO-35	.50	16	.04	.04
◆512—MMSZ5246B	SOD-123	.50	16	.07	.06
512—1N5247B	DO-35	.50	17	.04	.04
512—1N5248B	DO-35	.50	18	.04	.04
512—1N6006B	DO-35	.50	18	.04	.04
512—1N967B	DO-35	.50	18	.04	.04
512—BZX55C18	DO-35	.50	18	.04	.04
512—BZX79C18	DO-35	.50	18	.04	.04
◆512—MMSZ5248B	SOD-123	.50	18	.07	.06
512—1N5249B	DO-35	.50	19	.04	.04
◆512—MMSZ4706	SOD-123	.50	19	.06	.05
512—1N5250B	DO-35	.50	20	.04	.04
512—1N6007B	DO-35	.50	20	.04	.04
512—1N968B	DO-35	.50	20	.04	.04
512—BZX79C20	DO-35	.50	20	.04	.04
◆512—MMSZ5250B	SOD-123	.50	20	.07	.06
512—1N5251B	DO-35	.50	22	.04	.04
512—1N6008B	DO-35	.50	22	.04	.04
512—1N969B	DO-35	.50	22	.04	.04
◆512—MMSZ5251B	SOD-123	.50	22	.07	.06
512—1N5252B	DO-35	.50	24	.04	.04
512—1N6009B	DO-35	.50	24	.04	.04
512—1N970B	DO-35	.50	24	.04	.04
512—BZX55C24	DO-35	.50	24	.04	.04
512—BZX79C24	DO-35	.50	24	.04	.04
◆512—MMSZ5253B	SOD-123	.50	25	.07	.06
512—1N5254B	DO-35	.50	27	.04	.04
512—1N6010B	DO-35	.50	27	.04	.04
512—1N971B	DO-35	.50	27	.04	.04
512—1N5255B	DO-35	.50	28	.04	.04
512—1N5256B	DO-35	.50	30	.04	.04
512—1N6011B	DO-35	.50	30	.04	.04
512—BZX55C30	DO-35	.50	30	.04	.04
512—1N5257B	DO-35	.50	33	.04	.04
512—1N6012B	DO-35	.50	33	.04	.04
512—1N973B	DO-35	.50	33	.04	.04
512—BZX79C33	DO-35	.50	33	.04	.04
◆512—MMSZ5257B	SOD-123	.50	33	.07	.06
512—1N5258B	DO-35	.50	36	.04	.04
512—1N6013B	DO-35	.50	36	.04	.04

FAIRCHILD Zener and Small Signal Diodes

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

FAIRCHILD SEMICONDUCTOR ZENER DIODES

◆Surface Mount Device

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package	PD (W)	VZ (V)	Price Each	
Mfr.	Mfr. Part Number				1	25
512	1N974B	DO-35	.50	36	.04	.04
512	BZX55C36	DO-35	.50	36	.04	.04
512	1N5259B	DO-35	.50	39	.04	.04
512	BZX55C39	DO-35	.50	39	.04	.04
512	1N5260B	DO-35	.50	43	.04	.04
512	1N6015B	DO-35	.50	43	.04	.04
512	1N976B	DO-35	.50	43	.04	.04
512	BZX79C43	DO-35	.50	43	.04	.04
512	1N5261B	DO-35	.50	47	.04	.04
512	1N6016B	DO-35	.50	47	.04	.04
512	1N977B	DO-35	.50	47	.04	.04
512	BZX55C47	DO-35	.50	47	.04	.04
512	1N5262B	DO-35	.50	51	.04	.04
512	1N6017B	DO-35	.50	51	.04	.04
512	1N978B	DO-35	.50	51	.04	.04
512	BZX79C51	DO-35	.50	51	.04	.04
512	1N5263B	DO-35	.50	56	.04	.04
512	BZX79C56	DO-35	.50	56	.04	.04
512	1N979B	DO-35	.50	62	.04	.04
512	1N4728A	DO-41	1	3.3	.07	.06
512	BZX85C3V3	DO-41	1	3.3	.06	.06
512	1N4729A	DO-41	1	3.6	.07	.06
512	BZX85C3V6	DO-41	1	3.6	.06	.06
512	1N4730A	DO-41	1	3.9	.07	.06

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package	PD (W)	VZ (V)	Price Each	
Mfr.	Mfr. Part Number				1	25
512	1N4731A	DO-41	1	4.3	.07	.06
512	1N4732A	DO-41	1	4.7	.07	.06
512	BZX85C4V7	DO-41	1	4.7	.06	.06
512	1N4733A	DO-41	1	5.1	.07	.06
512	BZX85C5V1	DO-41	1	5.1	.06	.06
512	1N4734A	DO-41	1	5.6	.07	.06
512	BZX85C5V6	DO-41	1	5.6	.06	.06
512	1N4735A	DO-41	1	6.2	.07	.06
512	BZX85C6V2	DO-41	1	6.2	.06	.06
512	1N4736A	DO-41	1	6.8	.07	.06
512	BZX85C6V8	DO-41	1	6.8	.06	.06
512	1N4737A	DO-41	1	7.5	.07	.06
512	1N4738A	DO-41	1	8.2	.07	.06
512	BZX85C8V2	DO-41	1	8.2	.06	.06
512	1N4739A	DO-41	1	9.1	.07	.06
512	BZX85C9V1	DO-41	1	9.1	.06	.06
512	1N4740A	DO-41	1	10	.07	.06
512	BZX85C10	DO-41	1	10	.06	.06
512	1N4741A	DO-41	1	11	.07	.06
512	1N4742A	DO-41	1	12	.07	.06
512	BZX85C12	DO-41	1	12	.06	.06
512	1N4743A	DO-41	1	13	.07	.06
512	BZX85C13	DO-41	1	13	.06	.06
512	1N4744A	DO-41	1	15	.07	.06

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Package	PD (W)	VZ (V)	Price Each	
Mfr.	Mfr. Part Number				1	25
512	BZX85C15	DO-41	1	15	.06	.06
512	1N4745A	DO-41	1	16	.07	.06
512	BZX85C16	DO-41	1	16	.06	.06
512	1N4746A	DO-41	1	18	.07	.06
512	BZX85C18	DO-41	1	18	.06	.06
512	1N4747A	DO-41	1	20	.07	.06
512	1N4748A	DO-41	1	22	.08	.07
512	BZX85C22	DO-41	1	22	.06	.06
512	1N4749A	DO-41	1	24	.08	.07
512	BZX85C24	DO-41	1	24	.06	.06
512	1N4750A	DO-41	1	27	.08	.07
512	1N4751A	DO-41	1	30	.08	.07
512	1N4752A	DO-41	1	33	.08	.07
512	BZX85C33	DO-41	1	33	.06	.06
512	1N4753A	DO-41	1	36	.08	.07
512	BZX85C36	DO-41	1	36	.06	.06
512	1N4754A	DO-41	1	39	.08	.07
512	1N4755A	DO-41	1	43	.08	.07
512	1N4756A	DO-41	1	47	.08	.07
512	BZX85C47	DO-41	1	47	.06	.06
512	1N4757A	DO-41	1	51	.08	.07
512	BZX85C51	DO-41	1	51	.06	.06
512	1N4758A	DO-41	1	56	.08	.07
512	BZX85C56	DO-41	1	56	.06	.06

FAIRCHILD SEMICONDUCTOR SMALL SIGNAL DIODES

◆Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	VRRM (V)	IFAV (A)	I_R (μA)	Price Each			
Mfr.	Mfr. Part Number					1	25	100	250
Single									
512	1N4148	DO-35	100	0.2	0.025	.02	.01	.01	.01
512	1N4446	DO-35	100	0.2	0.025	.02	.02	.02	.01
512	1N4448	DO-35	100	0.2	0.025	.02	.02	.02	.01
512	1N914	DO-35	100	0.2	0.025	.02	.02	.02	.01
512	1N914A	DO-35	100	0.2	0.025	.02	.02	.02	.01
512	1N914B	DO-35	100	0.2	0.025	.02	.02	.01	.01
512	1N916	DO-35	100	0.2	0.025	.02	.02	.02	.01
512	1N916A	DO-35	100	0.2	0.025	.02	.02	.02	.01
512	1N916B	DO-35	100	0.2	0.025	.02	.02	.02	.01
◆512	FDLL4148	LL-34	100	0.2	0.025	.03	.03	.03	.02
◆512	FDLL4448	LL-34	100	0.2	0.025	.04	.04	.03	.02
◆512	FDLL914	LL-34	100	0.2	0.025	.05	.04	.03	.02
◆512	MMBD1201	SOT-23	100	0.2	0.05	.05	.04	.04	.03
◆512	MMBD914	SOT-23	100	0.2	0.025	.05	.04	.04	.03
◆512	MMSD914	SOD-123	100	0.2	0.025	.05	.04	.04	.03
512	1N4149	DO-35	100	0.3	0.025	.02	.02	.02	.01
◆512	MMBD4448	SOT-23	100	0.6	0.025	.05	.04	.03	.03
◆512	MMSD4148	SOD-123	100	0.6	5	.05	.04	.04	.03
◆512	FDLL914A	LL-34	100	0.2	0.025	.05	.04	.03	.02
◆512	FDLL914B	LL-34	100	0.2	0.025	.05	.04	.03	.02
◆512	MMBD4148	SOT-23	100	200	0.025	.04	.03	.03	.02
◆512	BAS19	SOT-23	120	0.2	0.1	.05	.05	.04	.03
◆512	BAS29	SOT-23	120	0.2	0.1	.05	.05	.04	.03
512	BAV19	DO-35	120	0.2	0.1	.04	.03	.03	.02
512	BAY73	DO-35	125	0.5	0.005	.04	.03	.03	.02
512	1N3595	DO-35	150	0.2	0.1	.05	.04	.03	.03
512	1N458A	DO-35	150	0.5	0.025	.04	.03	.03	.02
512	FDH300	DO-35	150	0.5	0.001	.06	.05	.04	.03
512	FDH300A	DO-35	150	0.5	0.001	.06	.05	.04	.03
512	FDH333	DO-35	150	0.5	0.003	.06	.05	.04	.03
512	FDH3595	DO-35	150	0.5	0.001	.06	.05	.04	.03
◆512	FDLL300A	LL-34	150	0.5	0.001	.07	.06	.05	.04
◆512	FDLL333	LL-34	150	0.5	0.003	.07	.06	.05	.04
◆512	FDLL3595	LL-34	150	0.5	100	.07	.06	.05	.04
512	FJH1101	DO-35	20	0.15	0.005	9.00	7.50	6.60	6.30
512	1N485B	DO-35	200	0.2	0.025	.05	.04	.03	.02
512	FDH3595	DO-35	150	0.5	0.001	.06	.05	.04	.03
◆512	FDLL300A	LL-34	150	0.5	0.001	.07	.06	.05	.04
◆512	FDLL333	LL-34	150	0.5	0.003	.07	.06	.05	.04
◆512	FDLL3595	LL-34	150	0.5	100	.07	.06	.05	.04
512	FJH1101	DO-35	20	0.15	0.005	9.00	7.50	6.60	6.30
512	1N485B	DO-35	200	0.2	0.025	.05	.04	.03	.02
512	1N3064	DO-35	75	0.3	0.1	.02	.02	.02	.01
512	1N3070	DO-35	200	0.5	0.1	.05	.04	.03	.02
512	1N4150	DO-35	75	0.4	0.1	.04	.03	.02	.02

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	VRRM (V)	IFAV (A)	I_R (μA)	Price Each			
Mfr.	Mfr. Part Number					1	25	100	250
512	1N4151	DO-35	75	0.15	0.05	.04	.03	.02	.02
512	1N4152	DO-35	40	0.2	0.05	.04	.03	.02	.02
512	1N4154	DO-35	35	0.3	0.1	.02	.02	.02	.01
512	1N4305	DO-35	75	0.3	0.1	.02	.02	.02	.01
512	1N4454	DO-35	75	0.4	0.1	.02	.02	.02	.01
512	1N456A	DO-35	30	0.5	0.025	.05	.04	.03	.02
512	1N457	DO-35	70	0.2	0.025	.04	.03	.03	.02
512	1N457A	DO-35	70	0.2	0.025	.04	.03	.03	.02
512	1N459	DO-35	200	0.5	0.025	.04	.03	.03	.02
512	1N459A	DO-35	200	0.5	0.025	.04	.03	.03	.02
512	1N486B	DO-35	250	0.2	0.05	.05	.04	.03	.02
512	1N4938	DO-35	200	0.5	0.1	.04	.03	.02	.02
◆512	BAS16	SOT-23	85	0.2	1	.05	.04	.03	.02
◆512	BAS20	SOT-23	200	0.2	0.1	.05	.05	.04	.03
◆512	BAS21	SOT-23	250	0.6	0.1	.05	.05	.04	.03
◆512	BAV102	LL-34	200	0.5	0.1	.06	.05	.04	.03
◆512	BAV103	LL-34	250	0.5	0.1	.06	.05	.04	.03
512	BAV20	DO-35	200	0.2	0.1	.04	.03	.03	.02
512	BAV21	DO-35	250	0.2	0.1	.04	.03	.03	.02
512	BAW62	DO-35	75	0.3	0.025	.02	.02	.02	.01
512	BAW76	DO-35	85	0.3	0.1	.02	.02	.02	.01
512	BAY71	DO-35	50	0.3	0.1	.02	.02	.02	.01
512	FDH400	DO-35	200	0.5	0.1	.06	.05	.04	.03
512	FDH600	DO-35	75	0.4	0.1	.06	.05	.04	.03
512	FDH700	DO-35	30	0.15	0.05	.06	.05	.04	.03
◆512	FDLL4150	LL-34	75	0.4	0.1	.07	.06	.05	.03
◆512	FDLL457A	LL-34	70	0.2	0.025	.06	.06	.05	.03
◆512	FDLL485B	LL-34	200	0.5	0.025	.06	.06	.05	.03
512	FJH1100	DO-35	30	0.15	0.003	5.00	4.00	3.37	3.25
512	FJH1102	DO-35	30	0.15	0.1	7.20	6.00	5.28	5.04
◆512	MMBD1401	SOT-23	200	0.2	0.1	.05	.04	.03	.03
◆512	MMBD1401A	SOT-23	250	0.6	0.1	.05	.04	.04	.03
◆512	MMBD1403	SOT-23	200	0.2	0.1	.06	.05	.05	.04
◆512	MMBD1501A	SOT-23	200	0.2	0.01	.05	.05	.04	.03
◆512	MMBD1701	SOT-23	30	0.05	0.05	.05	.04	.04	.03
◆512	MMSD3070	SOD-123	200	0.2	0.1	.10	.08	.07	.06
Dual & Common Anode									
◆512	MMBD1205	SOT-23	100	0.2	0.05	.06	.05	.04	.04
◆512	MMBD4148CA	SOT-23	100	0.2	0.025	.06	.05	.05	.04
◆512	BAS35	SOT-23	120	0.2	0.1	.06	.05	.04	.03
◆512	MMBD1405	SOT-23	200	0.2	0.1	.06	.05	.04	.04
◆512	MMBD1505A	SOT-23	200	0.2	0.01	.07	.06	.05	.04
◆512	MMBD1405A	SOT-23	250	0.6	0.1	.07	.06	.05	.04
◆512	MMBD1705	SOT-23	30	0.05	0.05	.06	.05	.05	.04
◆512	BAW74	SOT-23	50	0.2	100	.06	.05	.04	.03
◆512	BAW56	SOT-23	85	0.2	2.5	.06	.05	.04	.03

FAIRCHILD Diodes

Products may be RoHS compliant.
Check mouser.com for RoHS status.

◆Surface Mount Device

FAIRCHILD SEMICONDUCTOR SMALL SIGNAL DIODES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	VRRM (V)	IFAV (A)	I_R (µA)	Price Each			
Mfr.	Mfr. Part Number					1	25	100	250
Dual & Common Cathode									
◆512—	MMBD1204	SOT-23	100	0.2	0.05	.06	.05	.05	.04
◆512—	MMBD4148CC	SOT-23	100	0.2	0.025	.06	.05	.05	.04
◆512—	MMBD1404	SOT-23	200	0.2	0.1	.06	.05	.04	.04
◆512—	MMBD1504A	SOT-23	200	0.2	0.01	.07	.06	.05	.04
◆512—	MMBD1404A	SOT-23	250	0.6	0.1	.07	.06	.05	.04
◆512—	MMBD1704A	SOT-23	30	0.05	0.05	.06	.05	.05	.04
◆512—	BAV74	SOT-23	50	0.2	0.1	.05	.05	.04	.03
◆512—	BAV70	SOT-23	70	0.2	5	.05	.05	.04	.03
◆512—	MMBD2838	SOT-23	75	0.2	0.1	.06	.05	.04	.04

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	VRRM Max (V)	IFAV (A)	I_R Max (µA)	Price Each			
Mfr.	Mfr. Part Number					1	25	100	250
Dual Series									
◆512—	MMBD1203	SOT-23	100	0.2	0.05	.06	.05	.04	.03
◆512—	MMBD4148SE	SOT-23	100	0.2	0.025	.06	.05	.05	.04
◆512—	MMBD7000	SOT-23	100	0.2	0.3	.05	.05	.04	.03
◆512—	BAS31	SOT-23	120	0.2	0.1	.06	.05	.04	.03
◆512—	MMBD1503A	SOT-23	200	0.2	0.01	.07	.06	.05	.04
◆512—	FLLD261	SOT-23	200	0.6	0.005	.08	.07	.06	.05
◆512—	BAV23S	SOT-23	250	0.2	0.1	.07	.06	.05	.04
◆512—	MMBD1403A	SOT-23	250	0.6	0.1	.07	.06	.05	.04
◆512—	MMBD1703	SOT-23	30	0.05	0.05	.06	.05	.04	.04
◆512—	BAV99	SOT-23	70	0.2	2.5	.05	.04	.04	.03

FAIRCHILD SEMICONDUCTOR ULTRAFAST DIODES

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Forward Voltage (V)	Max Reverse Recovery Time (ns)	Price Each			
							1	25	100	250
Single										
512-RURP860	RURP860	TO-220	600	8	1.5 V	70 ns	.93	.77	.62	.46
512-RUR1S1560S9A	RUR1S1560S9A	TO-263	600	15	1.5 V	60 ns	2.85	2.38	2.09	2.00
512-RURP1560	RURP1560	TO-220	600	15	1.5 V	60 ns	1.32	1.05	.79	.74
512-RURG3060	RURG3060	TO-247	600	30	1.5 V	60 ns	2.12	1.76	1.32	1.23
512-RURP3060	RURP3060	TO-220	600	30	1.5 V	60 ns	1.79	1.42	1.07	1.00
512-RURG5060	RURG5060	TO-247	600	75	1.6 V	75 ns	3.31	2.64	2.05	1.95
512-RURG8060	RURG8060	TO-247	600	80	1.6 V	85 ns	4.88	3.90	3.03	2.88
512-RURP8100	RURP8100	TO-220	1000	8	1.8 V	100 ns	1.00	.83	.66	.50
512-RURG80100	RURG80100	TO-247	1000	80	1.9 V	200 ns	4.54	3.62	2.82	2.68
Common Cathode										
512-RURG1520CC	RURG1520CC	TO-247	200	15	1.05 V	35 ns	3.40	2.84	2.49	1.32
512-RURG3020CC	RURG3020CC	TO-247	200	30	1 V	50 ns	3.21	2.57	1.99	1.89
512-RURG3060CC	RURG3060CC	TO-247	600	30	1.5 V	60 ns	3.65	2.92	2.27	2.15

FAIRCHILD SEMICONDUCTOR DAMPER DIODES

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Forward Voltage (V)	Max Reverse Recovery Time (ns)	Price Each			
							1	25	100	250
Single										
512-FFPF04F150STU	FFPF04F150STU	TO-220F	1500	4	1.5 V	170 ns	.53	.44	.39	.37
512-FFPF04U150STU	FFPF04U150STU	TO-220F	1500	4	1.8 V	150 ns	.64	.53	.47	.45
512-FFPF06F150STU	FFPF06F150STU	TO-220F	1500	6	1.6 V	170 ns	.69	.58	.51	.48
512-FFPF10F150STU	FFPF10F150STU	TO-220F	1500	10	1.6 V	170 ns	.78	.65	.58	.55
512-FFPF10U150STU	FFPF10U150STU	TO-220F	1500	10	1.8 V	150 ns	1.02	.85	.74	.71
512-FFPF14X150STU	FFPF14X150STU	TO-220F	1500	14	2.4 V	120 ns	1.26	1.05	.92	.88
512-FFAF10U170STU	FFAF10U170STU	TO-3PF	1700	10	2 V	140 ns	1.92	1.60	1.41	1.34
Series										
512-FFAF60A150DSTU	FFAF60A150DSTU	TO-3PF	600 - 1500	6 - 20	1.6 V	170 ns	1.62	1.35	1.19	1.13

FAIRCHILD SEMICONDUCTOR STEALTH™ DIODES

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Forward Voltage (V)	Max Reverse Recovery Time (ns)	Price Each			
							1	25	100	250
Single										
512-ISL9R460P2	ISL9R460P2	TO-220	600	4	2.4 V	22 ns	1.20	1.12	.80	.67
512-ISL9R460PF2	ISL9R460PF2	TO-220F	600	4	2.4 V	22 ns	1.25	1.17	.83	.70
512-ISL9R860P2	ISL9R860P2	TO-220	600	8	2.4 V	30 ns	.95	.79	.63	.47
512-ISL9R860PF2	ISL9R860PF2	TO-220F	600	8	2.4 V	25 ns	1.50	1.40	1.00	.84
512-ISL9R1560G2	ISL9R1560G2	TO-247	600	15	2.2 V	40 ns	3.00	2.80	2.00	1.10
512-ISL9R1560P2	ISL9R1560P2	TO-220	600	15	2.2 V	40 ns	1.32	1.05	.79	.74
512-ISL9R1560PF2	ISL9R1560PF2	TO-220F	600	15	2.2 V	40 ns	2.50	2.33	1.67	1.40
512-ISL9R3060G2	ISL9R3060G2	TO-247	600	30	2.4 V	45 ns	2.85	2.27	1.77	1.68
512-ISL9R3060P2	ISL9R3060P2	TO-220	600	30	2.4 V	45 ns	2.61	2.08	1.62	1.54
512-ISL9R18120G2	ISL9R18120G2	TO-247	1200	18	3.3 V	70 ns	3.75	3.50	2.50	1.37
512-ISL9R18120P2	ISL9R18120P2	TO-220	1200	18	3.3 V	70 ns	2.74	2.56	1.83	1.53
512-ISL9R30120G2	ISL9R30120G2	TO-247	1200	30	3.3 V	100 ns	5.85	5.46	2.02	1.95
512-ISL9K460P3	ISL9K460P3	TO-220	600	4	2.4 V	22 ns	1.99	1.86	1.33	.71
512-ISL9K860P3	ISL9K860P3	TO-220	600	8	2.4 V	30 ns	2.78	2.59	1.85	.96
512-ISL9K1560G3	ISL9K1560G3	TO-247	600	15	2.2 V	30 ns	5.59	5.22	1.98	1.90
512-ISL9K3060G3	ISL9K3060G3	TO-247	600	30	2.2 V	45 ns	7.16	6.69	2.64	2.50
512-ISL9K8120P3	ISL9K8120P3	TO-220	1200	8	3.3 V	44 ns	3.20	2.99	2.13	1.07
512-ISL9K30120G3	ISL9K30120G3	TO-247	1200	30	3.3 V	100 ns	9.75	9.10	3.32	3.30

FAIRCHILD Rectifiers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

FAIRCHILD SEMICONDUCTOR SCHOTTKY BARRIER RECTIFIERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	V_{RRM} (V)	I_{FAV} (A)	Price Each			
					1	25	100	250
Single								
◆512—MBR0520L	MBR0520L	SOD-123	20	0.5	.11	.09	.08	.06
◆512—MBRS320	MBRS320	SMC	20	3	.55	.47	.39	.33
◆512—SS12	SS12	SMA	20	1	.27	.26	.18	.15
◆512—SS32	SS32	SMC	20	3	.54	.51	.36	.30
512—1N5818	1N5818	DO-41	30	1	.19	.16	.11	.10
◆512—BAR43	BAR43	SOT-23	30	0.2	.07	.06	.05	.04
◆512—BAT54	BAT54	SOT-23	30	0.3	.05	.04	.03	.02
◆512—FMKA130L	FMKA130L	SMA	30	1	.18	.15	.13	.12
◆512—FYV0203SMTF	FYV0203SMTF	SOT-23	30	0.2	.83	.69	.61	.58
◆512—MBR0530	MBR0530	SOD-123	30	0.5	.10	.09	.07	.06
◆512—MBRS130	MBRS130	SMB	30	1	.29	.24	.20	.17
◆512—MBRS130L	MBRS130L	SMB	30	1	.29	.24	.20	.17
512—SB130	SB130	DO-41	30	1	.17	.16	.11	.09
512—SB530	SB530	DO-201AD	30	5	.46	.43	.31	.26
◆512—SS13	SS13	SMA	30	1	.27	.26	.18	.15
◆512—SS23	SS23	SMB	30	2	.36	.33	.24	.20
512—1N5817	1N5817	DO-41	40	1	.19	.16	.11	.10
512—1N5819	1N5819	DO-41	40	1	.19	.16	.11	.10
512—1N5822	1N5822	DO-201AD	40	3	.46	.38	.27	.23
512—FYD0504SATM	FYD0504SATM	TO-252	40	5	.49	.41	.36	.34
◆512—FYV0704SMTF	FYV0704SMTF	SOT-23	40	0.75	.20	.17	.15	.14
◆512—MBR0540	MBR0540	SOD-123	40	0.5	.10	.09	.07	.06
◆512—MBRS140	MBRS140	SMB	40	1	.29	.24	.20	.17
◆512—MBRS340	MBRS340	SMC	40	3	.52	.39	.29	.29
512—SB340	SB340	DO-201AD	40	3	.40	.37	.27	.22
512—SB540	SB540	DO-201AD	40	5	.46	.43	.31	.26
◆512—SS14	SS14	SMA	40	1	.25	.23	.17	.14
◆512—SS24	SS24	SMB	40	2	.36	.33	.24	.20
◆512—SS34	SS34	SMC	40	3	.54	.51	.36	.30
512—FYPF0545STU	FYPF0545STU	TO-220F	45	5	.50	.42	.37	.35
512—MBR1045	MBR1045	TO-220AC	45	10	1.06	.91	.76	.64
512—MBR1645	MBR1645	TO-220AC	45	16	1.23	1.06	.88	.74
512—MBR745	MBR745	TO-220AC	45	7.5	1.06	.91	.76	.64
◆512—RS1A	RS1A	SMA	50	1	.11	.09	.08	.08
512—SB350	SB350	DO-201AD	50	3	.44	.41	.29	.24
512—SB550	SB550	DO-201AD	50	5	.50	.47	.34	.28
◆512—SS15	SS15	SMA	50	1	.30	.28	.20	.17
◆512—SS25	SS25	SMB	50	2	.40	.37	.27	.22
◆512—SS35	SS35	SMC	50	3	.59	.55	.39	.33
512—MBR1060	MBR1060	TO-220AC	60	10	1.06	.91	.76	.64
512—MBR1660	MBR1660	TO-220AC	60	16	1.23	1.06	.88	.74
512—SB160	SB160	DO-41	60	1	.22	.21	.15	.12
512—SB360	SB360	DO-201AD	60	3	.44	.41	.29	.24
512—SB560	SB560	DO-201AD	60	5	.50	.47	.34	.28
◆512—SS16	SS16	SMA	60	1	.30	.28	.20	.17
◆512—SS26	SS26	SMB	60	2	.40	.36	.27	.22
512—SS36	SS36	SMC	60	3	.59	.55	.39	.33
512—SB380	SB380	DO-201AD	80	3	.46	.43	.31	.26

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	V_{RRM} (V)	I_{FAV} (A)	Price Each			
					1	25	100	250
Single (cont.)								
◆512—SS18	SS18	SMA	80	1	.32	.30	.22	.18
◆512—SS28	SS28	SMB	80	2	.47	.44	.32	.26
512—SB580	SB580	DO-201AD	80	5	.72	.67	.48	.40
◆512—SS38	SS38	SMC	80	3	.74	.69	.49	.41
◆512—SS19	SS19	SMA	90	1	.37	.35	.25	.21
◆512—SS29	SS29	SMB	90	2	.54	.51	.36	.30
◆512—RS1B	RS1B	SMA	100	1	.11	.09	.08	.08
◆512—S210	S210	SMB	100	2	.64	.60	.43	.36
◆512—S310	S310	SMC	100	3	.85	.79	.57	.48
512—SB1100	SB1100	DO-41	100	1	.22	.20	.15	.12
512—SB3100	SB3100	DO-201AD	100	3	.66	.62	.44	.37
512—SB5100	SB5100	DO-201AD	100	5	.83	.77	.55	.46
◆512—FMKA130	FMKA130	SMA	130	1	.17	.14	.12	.11
◆512—RS1D	RS1D	SMA	200	1	.11	.09	.08	.08
◆512—RS1G	RS1G	SMA	400	1	.11	.09	.08	.08
◆512—RS1J	RS1J	SMA	600	1	.12	.10	.09	.08
◆512—RS1K	RS1K	SMA	800	1	.12	.10	.09	.08
◆512—RS1M	RS1M	SMA	1000	1	.12	.10	.09	.08
Dual & Common Anode								
◆512—BAT54A	BAT54A	SOT-23	30	0.3	.05	.05	.04	.03
Dual & Common Cathode								
◆512—BAR43C	BAR43C	SOT-23	30	0.2	.08	.07	.06	.04
◆512—FYV0203DNMTF	FYV0203DNMTF	SOT-23	30	0.2	.09	.08	.07	.07
◆512—BAT54C	BAT54C	SOT-23	30	0.3	.05	.05	.04	.03
512—MBR1535CT	MBR1535CT	TO-220AB	35	15	1.23	1.06	.88	.74
512—MBR2535CT	MBR2535CT	TO-220AB	35	30	1.76	1.51	1.26	1.06
512—FYP1004DNTU	FYP1004DNTU	TO-220	40	10	.56	.47	.41	.39
512—FYPF2004DNTU	FYPF2004DNTU	TO-220F	40	20	.72	.60	.53	.50
512—FYPF2045DNTU	FYPF2045DNTU	TO-220F	45	10	.72	.60	.53	.50
512—MBR1545CT	MBR1545CT	TO-220AB	45	15	1.23	1.06	.88	.74
512—MBR2545CT	MBR2545CT	TO-220AB	45	30	1.76	1.51	1.26	1.06
512—MBRP3045NTU	MBRP3045NTU	TO-220	45	30	.71	.61	.51	.43
512—MBR2550CT	MBR2550CT	TO-220AB	50	30	1.76	1.51	1.26	1.06
512—MBR3050PT	MBR3050PT	TO-247	50	30	2.31	1.98	1.65	1.39
512—MBR4050PT	MBR4050PT	TO-247	50	40	2.69	2.30	1.92	.90
512—MBR1560CT	MBR1560CT	TO-220AB	60	15	1.23	1.06	.88	.74
512—FYP2006DNTU	FYP2006DNTU	TO-220	60	20	1.04	.86	.76	.73
512—FYPF2006DNTU	FYPF2006DNTU	TO-220F	60	20	1.04	.87	.77	.73
512—MBR3060PT	MBR3060PT	TO-247	60	30	2.31	1.98	1.65	1.39
512—MBR4060PT	MBR4060PT	TO-247	60	40	2.69	2.30	1.92	.90
512—FYP1010DNTU	FYP1010DNTU	TO-220	100	10	.66	.55	.48	.46
512—FYPF1010DNTU	FYPF1010DNTU	TO-220F	100	10	.72	.60	.53	.50
512—FYPF2010DNTU	FYPF2010DNTU	TO-220F	100	20	.67	.56	.49	.47
512—MBRP3010NTU	MBRP3010NTU	TO-220	100	30	.92	.79	.66	.55
Dual Series								
◆512—BAR43S	BAR43S	SOT-23	30	0.2	.08	.07	.06	.04
◆512—FYV0203DSMTF	FYV0203DSMTF	SOT-23	30	0.2	.09	.08	.07	.07
◆512—BAT54S	BAT54S	SOT-23	30	0.3	.05	.05	.04	.03

FAIRCHILD SEMICONDUCTOR GENERAL PURPOSE RECTIFIERS

◆ Surface Mount Device

Single

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	V_{RRM} (V)	I_{FAV} (A)	V_{FM} (V)	Price Each			
						1	25	100	250
512-1N4001	1N4001	DO-41	50	1	1.1 V	.05	.04	.03	.02
◆ 512-GF1A	GF1A	SMA	50	1	1 V	.20	.17	.15	.14
◆ 512-S1A	S1A	SMA	50	1	1.1 V	.10	.09	.07	.06
512-1N5391	1N5391	DO-15	50	1.5	1.4 V	.06	.05	.04	.03
◆ 512-S2A	S2A	SMB	50	1.5	1.15 V	.16	.15	.10	.09
512-1N5400	1N5400	DO-201AD	50	3	1.2 V	.18	.15	.11	.09
◆ 512-S3A	S3A	SMC	50	3	1.2 V	.27	.25	.18	.15
512-1N4002	1N4002	DO-41	100	1	1.1 V	.05	.04	.03	.02
◆ 512-S1B	S1B	SMA	100	1	1.1 V	.10	.09	.07	.06
512-1N5392	1N5392	DO-15	100	1.5	1.4 V	.06	.05	.04	.03
◆ 512-S2B	S2B	SMB	100	1.5	1.15 V	.17	.15	.11	.09
512-1N5401	1N5401	DO-201AD	100	3	1.2 V	.18	.15	.11	.09
◆ 512-S3B	S3B	SMC	100	3	1.2 V	.27	.25	.18	.15
512-1N4003	1N4003	DO-41	200	1	1.1 V	.05	.04	.03	.02
◆ 512-GF1D	GF1D	SMA	200	1	1 V	.20	.17	.15	.14
◆ 512-S1D	S1D	SMA	200	1	1.1 V	.10	.09	.07	.06
512-1N5393	1N5393	DO-15	200	1.5	1.4 V	.06	.05	.04	.03
◆ 512-S2D	S2D	SMB	200	1.5	1.15 V	.17	.15	.11	.09
512-1N5402	1N5402	DO-201AD	200	3	1.2 V	.18	.15	.11	.09
◆ 512-S3D	S3D	SMC	200	3	1.2 V	.27	.25	.18	.15
512-1N5394	1N5394	DO-15	300	1.5	1.4 V	.06	.05	.04	.03
512-1N5403	1N5403	DO-201AD	300	3	1.2 V	.18	.15	.11	.09
512-1N4004	1N4004	DO-41	400	1	1.1 V	.05	.04	.03	.02
◆ 512-GF1G	GF1G	SMA	400	1	1 V	.20	.17	.15	.14
◆ 512-S1G	S1G	SMA	400	1	1.1 V	.10	.09	.07	.06

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	V_{RRM} (V)	I_{FAV} (A)	V_{FM} (V)	Price Each			
						1	25	100	250
512-1N5395	1N5395	DO-15	400	1.5	1.4 V	.06	.05	.04	.03
◆ 512-S2G	S2G	SMB	400	1.5	1.15 V	.17	.15	.11	.09
512-1N5404	1N5404	DO-201AD	400	3	1.2 V	.18	.15	.11	.09
◆ 512-S3G	S3G	SMC	400	3	1.2 V	.27	.25	.18	.15
512-1N5396	1N5396	DO-15	500	1.5	1.4 V	.07	.05	.04	.03
512-1N5405	1N5405	DO-201AD	500	3	1.2 V	.19	.16	.11	.09
512-1N4005	1N4005	DO-41	600	1	1.1 V	.05	.04	.03	.02
◆ 512-S1J	S1J	SMA	600	1	1.1 V	.10	.09	.07	.06
512-1N5397	1N5397	DO-15	600	1.5	1.4 V	.07	.05	.04	.03
◆ 512-S2J	S2J	SMB	600	1.5	1.15 V	.17	.15	.11	.09
512-1N5406	1N5406	DO-201AD	600	3	1.2 V	.19	.16	.11	.09
◆ 512-S3J	S3J	SMC	600	3	1.2 V	.27	.25	.18	.15
512-1N4006	1N4006	DO-41	800	1	1.1 V	.05	.04	.03	.02
◆ 512-GF1K	GF1K	SMA	800	1	1.2 V	.20	.17	.15	.14
◆ 512-S1K	S1K	SMA	800	1	1.1 V	.11	.10	.07	.06
512-1N5398	1N5398	DO-15	800	1.5	1.4 V	.07	.05	.04	.03
512-1N5407	1N5407	DO-201AD	800	3	1.2 V	.20	.16	.12	.10
◆ 512-S3K	S3K	SMC	800	3	1.2 V	.27	.25	.18	.15
512-1N4007	1N4007	DO-41	1000	1	1.1 V	.05	.04	.03	.02
◆ 512-GF1M	GF1M	SMA	1000	1	1.2 V	.20	.17	.15	.14
◆ 512-S1M	S1M	SMA	1000	1	1.1 V	.11	.10	.07	.06
512-1N5399	1N5399	DO-15	1000	1.5	1.4 V	.07	.05	.04	.03
◆ 512-S2M	S2M	SMB	1000	1.5	1.15 V	.19	.18	.13	.11
512-1N5408	1N5408	DO-201AD	1000	3	1.2 V	.20	.16	.12	.10
◆ 512-S3M	S3M	SMC	1000	3	1.2 V	.27	.25	.18	.15

FAIRCHILD Rectifiers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

FAIRCHILD SEMICONDUCTOR FAST RECOVERY RECTIFIERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Forward Current (V)	Max Reverse Recovery Time (ns)	Price Each			
							1	25	100	250
Single										
512-1N4933	1N4933	DO-41	50	1	1.2 V	150 ns	.07	.06	.04	.03
◆512-RGF1A	RGF1A	SMA	50	1	1.3 V	150 ns	.20	.17	.15	.14
512-1N4934	1N4934	DO-41	100	1	1.2 V	150 ns	.07	.06	.04	.03
◆512-RGF1B	RGF1B	SMA	100	1	1.3 V	150 ns	.20	.17	.15	.14
512-1N4935	1N4935	DO-41	200	1	1.2 V	150 ns	.07	.06	.04	.03
512-1N4936	1N4936	DO-41	400	1	1.2 V	150 ns	.07	.06	.04	.03
◆512-RGF1G	RGF1G	SMA	400	1	1.3 V	150 ns	.20	.17	.15	.14
512-RGP10G	RGP10G	DO-41	400	1	1.3 V	150 ns	.11	.09	.08	.07
512-1N4937	1N4937	DO-41	600	1	1.2 V	150 ns	.07	.06	.04	.03
◆512-RGF1J	RGF1J	SMA	600	1	1.3 V	250 ns	.20	.17	.15	.14
◆512-RGF1M	RGF1M	SMA	1000	1	1.3 V	500 ns	.20	.17	.15	.14
512-RGP10M	RGP10M	DO-41	1000	1	1.3 V	500 ns	.11	.09	.08	.08

FAIRCHILD SEMICONDUCTOR ULTRAFAST RECOVERY RECTIFIERS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Forward Current (V)	Max Reverse Recovery Time (ns)	Price Each			
							1	25	100	250
Single										
◆ 512-EGF1A	EGF1A	SMA	50	1	1 V	50 ns	.30	.26	.22	.18
◆ 512-ES1A	ES1A	SMA	50	1	0.92 V	15 ns	.16	.14	.12	.10
◆ 512-ES2A	ES2A	SMB	50	2	0.95 V	20 ns	.22	.19	.16	.13
512-FES16AT	FES16AT	TO-220AC	50	16	0.975 V	35 ns	.91	.76	.67	.64
◆ 512-EGF1B	EGF1B	SMA	100	1	1 V	50 ns	.30	.26	.22	.18
◆ 512-ES1B	ES1B	SMA	100	1	0.92 V	15 ns	.16	.14	.12	.10
512-UF4002	UF4002	DO-41	100	1	1 V	50 ns	.12	.10	.09	.08
◆ 512-ES2B	ES2B	SMB	100	2	0.95 V	20 ns	.22	.19	.16	.13
◆ 512-ES3B	ES3B	SMC	100	3	0.95 V	20 ns	.35	.30	.25	.21
512-FES16BT	FES16BT	TO-220AC	100	16	0.975 V	35 ns	.91	.76	.67	.64
◆ 512-EGF1C	EGF1C	SMA	150	1	1 V	50 ns	.30	.26	.22	.18
◆ 512-ES2C	ES2C	SMB	150	2	0.95 V	20 ns	.22	.19	.16	.13
◆ 512-ES3C	ES3C	SMC	150	3	0.95 V	20 ns	.35	.30	.25	.21
512-FES16CT	FES16CT	TO-220AC	150	16	0.975 V	35 ns	.94	.78	.69	.66
◆ 512-ES1D	ES1D	SMA	200	1	0.92 V	15 ns	.16	.14	.12	.10
512-UF4003	UF4003	DO-41	200	1	1 V	50 ns	.12	.10	.09	.08
◆ 512-ES2D	ES2D	SMB	200	2	0.95 V	20 ns	.22	.19	.16	.13
◆ 512-ES3D	ES3D	SMC	200	3	0.95 V	20 ns	.35	.30	.25	.21
512-FES16DT	FES16DT	TO-220AC	200	16	0.975 V	35 ns	.91	.76	.67	.64
512-FES16FT	FES16FT	TO-220AC	300	16	1.3 V	50 ns	.94	.78	.69	.66
512-UF4004	UF4004	DO-41	400	1	1 V	50 ns	.12	.10	.09	.08
512-FES16GT	FES16GT	TO-220AC	400	16	1.3 V	50 ns	.91	.76	.67	.64
512-FES16HT	FES16HT	TO-220AC	500	16	1.5 V	50 ns	.94	.78	.69	.66
512-UF4005	UF4005	DO-41	600	1	1.7 V	75 ns	.12	.10	.09	.08
512-UF4006	UF4006	DO-41	800	1	1.7 V	75 ns	.12	.10	.09	.08
512-UF4007	UF4007	DO-41	1000	1	1.7 V	75 ns	.12	.10	.09	.08
Common Anode										
512-FEP16BTA	FEP16BTA	TO-220AB	100	16	0.975 V	35 ns	.98	.82	.72	.69
512-FEP16CTA	FEP16CTA	TO-220AB	150	16	0.975 V	35 ns	.98	.82	.72	.69
512-FEP16DTA	FEP16DTA	TO-220AB	200	16	0.975 V	35 ns	1.00	.83	.73	.70
512-FEP16JTA	FEP16JTA	TO-220AB	600	16	1.5 V	50 ns	.98	.82	.72	.69
Common Cathode										
512-FEP16BT	FEP16BT	TO-220AB	100	16	0.975 V	35 ns	.95	.79	.69	.66
512-FEP16CT	FEP16CT	TO-220AB	150	16	0.975 V	35 ns	.98	.82	.72	.69
512-FEP16DT	FEP16DT	TO-220AB	200	16	0.975 V	35 ns	.98	.82	.72	.69
512-FEP16FT	FEP16FT	TO-220AB	300	16	1.3 V	50 ns	.95	.79	.69	.66
512-FEP16GT	FEP16GT	TO-220AB	400	16	1.3 V	50 ns	.95	.79	.69	.66
512-FEP16HT	FEP16HT	TO-220AB	500	16	1.5 V	50 ns	.95	.79	.69	.66
512-FEP16JT	FEP16JT	TO-220AB	600	16	1.5 V	50 ns	.95	.79	.69	.66
512-FFP20U60DNTU	FFP20U60DNTU	TO-220	600	20	2.2 V	90 ns	1.44	1.20	1.05	1.01
512-FFP30U60DNTU	FFP30U60DNTU	TO-220	600	30	2.3 V	90 ns	1.65	1.38	1.21	1.16
Dual Series										
512-FEP16ATD	FEP16ATD	TO-220AB	50	16	0.975 V	35 ns	1.06	.89	.78	.74
512-FEP16DTD	FEP16DTD	TO-220AB	200	16	0.975 V	35 ns	1.00	.83	.73	.70
512-FEP16FTD	FEP16FTD	TO-220AB	300	16	1.3 V	50 ns	1.05	.87	.77	.73
512-FEP16GTD	FEP16GTD	TO-220AB	400	16	1.3 V	50 ns	1.05	.87	.77	.73
512-FEP16HTD	FEP16HTD	TO-220AB	500	16	1.5 V	50 ns	1.05	.87	.77	.73
512-FEP16JTD	FEP16JTD	TO-220AB	600	16	1.5 V	50 ns	.98	.82	.72	.69

FAIRCHILD SEMICONDUCTOR HYPERFAST RECOVERY RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part Number	Package	Max Repetitive Reverse Voltage (V)	Avg Rectified Forward Current (A)	Max Instantaneous Forward Current (V)	Max Reverse Recovery Time (ns)	Price Each			
							1	25	100	250
Single										
512-RHRP860	RHRP860	TO-220	600	8	2.1 V	35 ns	.84	.78	.62	.47
512-RHRP1560	RHRP1560	TO-220	600	15	2.1 V	40 ns	1.41	1.17	.94	.71
512-RHRG3060	RHRG3060	TO-247	600	30	2.1 V	45 ns	2.27	1.89	1.41	1.32
512-RHRP3060	RHRP3060	TO-220	600	30	2.1 V	45 ns	2.57	2.14	1.88	1.80
512-RHRD660S9A	RHRD660S9A	TO-252	600	6	2.1 V	35 ns	.99	.83	.73	.70
512-RHRG5060	RHRG5060	TO-247	600	50	2.1 V	50 ns	5.38	4.48	3.94	1.98
512-RHRP8120	RHRP8120	TO-220	1200	8	3.2 V	70 ns	1.02	.85	.68	.51
512-RHRP15120	RHRP15120	TO-220	1200	15	3.2 V	75 ns	1.90	1.58	1.39	1.33
512-RHRG30120	RHRG30120	TO-247	1200	30	3.2 V	75 ns	2.32	1.85	1.44	1.36
512-RHRP30120	RHRP30120	TO-220	1200	30	3 V	75 ns	1.87	1.55	1.16	1.08
512-RHRG75120	RHRG75120	TO-247	1200	75	3.2 V	100 ns	4.25	3.40	2.64	2.51
Common Cathode										
512-RHRG1560CC	RHRG1560CC	TO-247	600	15	1.5 V	60 ns	3.78	3.15	2.77	1.39
512-RHRG3060CC	RHRG3060CC	TO-247	600	30	2.1 V	45 ns	4.86	4.05	3.57	1.79

FAIRCHILD Rectifiers

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD SEMICONDUCTOR BRIDGE RECTIFIERS

◆ Surface Mount

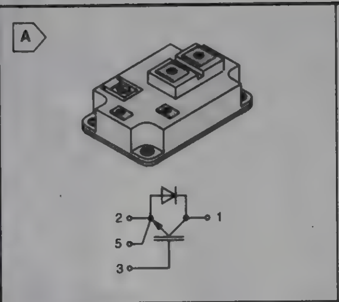
For quantities of 500 and up, call for quote.

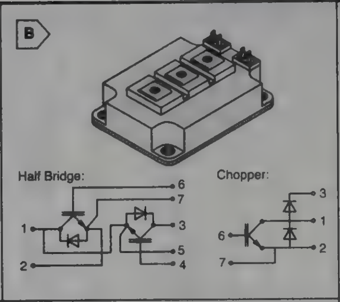
MOUSER STOCK NO.	Fairchild Part Number	Package	V_{RRM} (V)	I_{FAV} (A)	V_{FM} (V)	Price Each			
						1	25	100	250
512-3N246	3N246	KBPM	50	1.5	1.3	.46	.40	.33	.28
512-DF005M	DF005M	DIP-4	50	1.5	1.1	.32	.27	.23	.19
512-DF005S	DF005S	DIP-4	50	1.5	1.1	.32	.27	.23	.19
512-KBP005M	KBP005M	KBPM	50	1.5	1.3	.56	.49	.40	.29
512-2KBP005M	2KBP005M	KBPM	50	2	1.1	.53	.45	.38	.32
512-3N253	3N253	KBPM	50	2	1.1	.53	.45	.38	.32
512-KBL005	KBL005	KBL	50	4	1.1	.94	.82	.68	.49
512-GBU6A	GBU6A	GBU	50	6	1	1.02	.85	.75	.72
512-GBU8A	GBU8A	GBU	50	8	1	1.29	1.07	.94	.90
512-KBU8A	KBU8A	KBU	50	8	1	1.84	1.61	1.34	.97
512-GBPC12005	GBPC12005	GBPC	50	12	1.1	2.70	2.25	1.98	1.05
512-GBPC15005W	GBPC15005W	GBPC-W	50	15	1.1	2.84	2.37	2.09	1.10
◆ 512-MB1S	MB1S	SOIC-4	100	0.5	1	.28	.24	.20	.17
512-3N247	3N247	KBPM	100	1.5	1.3	.46	.40	.33	.28
512-DF01M	DF01M	DIP-4	100	1.5	1.1	.32	.27	.23	.19
512-DF01S	DF01S	DIP-4	100	1.5	1.1	.32	.27	.23	.19
512-3N254	3N254	KBPM	100	2	1.1	.53	.45	.38	.32
512-GBU4B	GBU4B	GBU	100	4	1	.98	.82	.72	.69
512-GBU6B	GBU6B	GBU	100	6	1	1.02	.85	.75	.72
512-GBU8B	GBU8B	GBU	100	8	1	1.29	1.07	.94	.90
512-KBU8B	KBU8B	KBU	100	8	1	1.84	1.61	1.34	.97
512-GBPC1201	GBPC1201	GBPC	100	12	1.1	2.70	2.25	1.98	1.05
512-GBPC1201W	GBPC1201W	GBPC-W	100	12	1.1	2.70	2.25	1.98	1.05
512-GBPC2501W	GBPC2501W	GBPC-W	100	25	1.1	2.95	2.46	2.16	1.14
512-GBPC3501	GBPC3501	GBPC	100	35	1.1	3.06	2.55	2.24	1.19
512-GBPC3501W	GBPC3501W	GBPC-W	100	35	1.1	3.20	2.67	2.35	1.24
◆ 512-MB2S	MB2S	SOIC-4	200	0.5	1	.28	.24	.20	.17
512-3N248	3N248	KBPM	200	1.5	1.3	.46	.40	.33	.28
512-DF02M	DF02M	DIP-4	200	1.5	1.1	.32	.27	.23	.19
512-DF02S	DF02S	DIP-4	200	1.5	1.1	.32	.27	.23	.19
512-KBP02M	KBP02M	KBPM	200	1.5	1.3	.56	.49	.40	.29
512-3N255	3N255	KBPM	200	2	1.1	.53	.45	.38	.32
512-GBU4D	GBU4D	GBU	200	4	1	.98	.82	.72	.69
512-KBL02	KBL02	KBL	200	4	1.1	.94	.82	.68	.49
512-KBU4D	KBU4D	KBU	200	4	1	1.33	1.16	.96	.70
512-KBU6D	KBU6D	KBU	200	6	1	1.33	1.16	.96	.70
512-GBU8D	GBU8D	GBU	200	8	1	1.29	1.07	.94	.90
512-KBU8D	KBU8D	KBU	200	8	1	1.84	1.61	1.34	.97
512-GBPC1202	GBPC1202	GBPC	200	12	1.1	2.70	2.25	1.98	1.05
512-GBPC1202W	GBPC1202W	GBPC-W	200	12	1.1	2.70	2.25	1.98	1.05
512-GBPC1502W	GBPC1502W	GBPC-W	200	15	1.1	2.84	2.37	2.09	1.10
512-GBPC2502	GBPC2502	GBPC	200	25	1.1	2.05	1.64	1.23	1.14
512-GBPC2502W	GBPC2502W	GBPC-W	200	25	1.1	2.95	2.46	2.16	1.14
512-GBPC3502	GBPC3502	GBPC	200	35	1.1	3.06	2.55	2.24	1.19
512-GBPC3502W	GBPC3502W	GBPC-W	200	35	1.1	3.20	2.67	2.35	1.24
512-MB4S	MB4S	SOIC-4	400	0.5	1	.31	.26	.22	.18
512-3N249	3N249	KBPM	400	1.5	1.3	.51	.44	.36	.30
512-DF04M	DF04M	DIP-4	400	1.5	1.1	.31	.27	.22	.19
512-DF04S	DF04S	DIP-4	400	1.5	1.1	.32	.27	.23	.19
512-KBP04M	KBP04M	KBPM	400	1.5	1.3	.60	.53	.44	.32
512-2KBP04M	2KBP04M	KBPM	400	2	1.1	.55	.41	.31	.23
512-GBU4G	GBU4G	GBU	400	4	1	1.02	.85	.75	.72
512-KBL04	KBL04	KBL	400	4	1.1	.94	.82	.68	.49
512-KBU4G	KBU4G	KBU	400	4	1	1.33	1.16	.96	.70
512-GBU6G	GBU6G	GBU	400	6	1	1.10	.92	.81	.77
512-KBU6G	KBU6G	KBU	400	6	1	1.66	1.45	1.20	.87

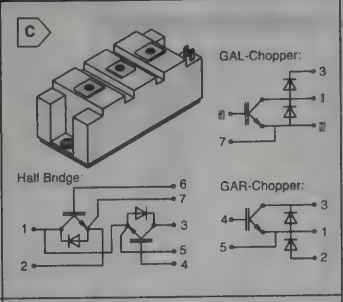
For quantities of 500 and up, call for quote.

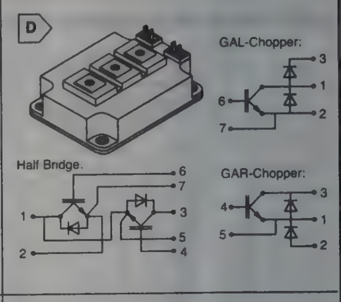
MOUSER STOCK NO.	Fairchild Part Number	Package	V_{RRM} (V)	I_{FAV} (A)	V_{FM} (V)	Price Each			
						1	25	100	250
512-GBU8G	GBU8G	GBU	400	8	1	1.40	1.17	1.03	.98
512-KBU8G	KBU8G	KBU	400	8	1	1.84	1.61	1.34	.97
512-GBPC1204	GBPC1204	GBPC	400	12	1.1	2.70	2.25	1.98	1.05
512-GBPC1204W	GBPC1204W	GBPC-W	400	12	1.1	2.70	2.25	1.98	1.05
512-GBPC1504	GBPC1504	GBPC	400	15	1.1	2.84	2.37	2.09	1.10
512-GBPC1504W	GBPC1504W	GBPC-W	400	15	1.1	2.84	2.37	2.09	1.10
512-GBPC2504	GBPC2504	GBPC	400	25	1.1	2.95	2.46	2.16	1.14
512-GBPC2504W	GBPC2504W	GBPC-W	400	25	1.1	2.95	2.46	2.16	1.14
512-GBPC3504	GBPC3504	GBPC	400	35	1.1	3.06	2.55	2.24	1.19
512-GBPC3504W	GBPC3504W	GBPC-W	400	35	1.1	3.24	2.70	2.38	1.26
512-MB6S	MB6S	SOIC-4	600	0.5	1	.31	.26	.22	.18
512-DF06M	DF06M	DIP-4	600	1.5	1.1	.32	.28	.23	.19
512-DF06S	DF06S	DIP-4	600	1.5	1.1	.33	.28	.24	.20
512-KBP06M	KBP06M	KBPM	600	1.5	1.3	.60	.53	.44	.32
512-2KBP06M	2KBP06M	KBPM	600	2	1.1	.58	.49	.41	.35
512-3N257	3N257	KBPM	600	2	1.1	.58	.49	.41	.35
512-GBU4J	GBU4J	GBU	600	4	1	1.02	.85	.75	.72
512-KBL06	KBL06	KBL	600	4	1.1	.94	.82	.68	.49
512-KBU4J	KBU4J	KBU	600	4	1	1.36	1.19	.98	.71
512-GBU6J	GBU6J	GBU	600	6	1	1.10	.92	.81	.77
512-KBU6J	KBU6J	KBU	600	6	1	1.66	1.45	1.20	.87
512-GBU8J	GBU8J	GBU	600	8	1	1.40	1.17	1.03	.98
512-KBU8J	KBU8J	KBU	600	8	1	1.84	1.61	1.34	.97
512-GBPC1206W	GBPC1206W	GBPC-W	600	12	1.1	2.70	2.25	1.98	1.05
512-GBPC1506W	GBPC1506W	GBPC-W	600	15	1.1	2.84	2.37	2.09	1.10
512-GBPC2506	GBPC2506	GBPC	600	25	1.1	2.95	2.46	2.16	1.14
512-GBPC2506W	GBPC2506W	GBPC-W	600	25	1.1	2.95	2.46	2.16	1.14
512-GBPC3506	GBPC3506	GBPC	600	35	1.1	3.06	2.55	2.24	1.19
512-GBPC3506W	GBPC3506W	GBPC-W	600	35	1.1	3.24	2.70	2.38	1.26
512-MB8S	MB8S	SOIC-4	800	0.5	1	.33	.28	.23	.20
512-DF08S	DF08S	DIP-4	800	1.5	1.1	.34	.29	.24	.20
512-2KBP08M	2KBP08M	KBPM	800	2	1.1	.58	.49	.41	.35
512-KBL08	KBL08	KBL	800	4	1.1	.94	.82	.68	.49
512-GBU6K	GBU6K	GBU	800	6	1	1.13	.95	.83	.79
512-KBU6K	KBU6K	KBU	800	6	1	1.66	1.45	1.20	.87
512-GBU8K	GBU8K	GBU	800	8	1	1.44	1.20	1.05	1.01
512-KBU8K	KBU8K	KBU	800	8	1	1.84	1.61	1.34	.97
512-GBPC1208W	GBPC1208W	GBPC-W	800	12	1.1	2.70	2.25	1.98	1.05
512-GBPC1508W	GBPC1508W	GBPC-W	800	15	1.1	2.84	2.37	2.09	1.10
512-GBPC2508W	GBPC2508W	GBPC-W	800	25	1.1	2.95	2.46	2.16	1.14
512-GBPC3508	GBPC3508	GBPC	800	35	1.1	3.06	2.55	2.24	1.19
512-GBPC3508W	GBPC3508W	GBPC-W	800	35	1.1	3.24	2.70	2.38	1.26
512-3N252	3N252	KBPM	1000	1.5	1.3	.53	.45	.38	.32
512-DF10M	DF10M	DIP-4	1000	1.5	1.1	.42	.36	.30	.25
512-DF10S	DF10S	DIP-4	1000	1.5	1.1	.40	.35	.29	.24
512-2KBP10M	2KBP10M	KBPM	1000	2	1.1	.68	.59	.49	.41
512-3N259	3N259	KBPM	1000	2	1.1	.68	.59	.49	.41
512-KBL10	KBL10	KBL	1000	4	1.1	.94	.82	.68	.49
512-GBU6M	GBU6M	GBU	1000	6	1	1.17	.98	.86	.82
512-KBU4M	KBU4M	KBU	1000	4	1	1.36	1.19	.98	.71
512-KBU8M	KBU8M	KBU	1000	8	1	1.86	1.63	1.35	.98
512-KBU6M	KBU6M	KBU	1000	6	1	1.71	1.50	1.24	.90
512-GBPC1210W	GBPC1210W	GBPC-W	1000	12	1.1	2.70	2.25	1.98	1.05
512-GBPC1510W	GBPC1510W	GBPC-W	1000	15	1.1	2.84	2.37	2.09	1.10
512-GBPC3510	GBPC3510	GBPC	1000	35	1.1	3.06	2.55	2.24	1.19
512-GBPC3510W	GBPC3510W	GBPC-W	1000	35	1.1	3.24	2.70	2.38	1.26

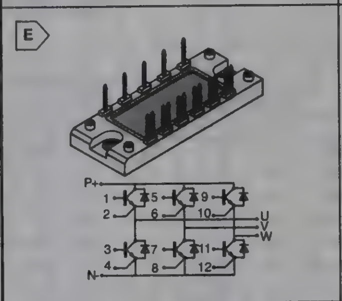
EUPEC Power Modules

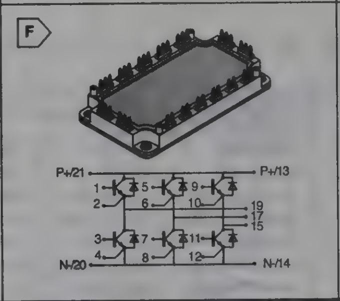


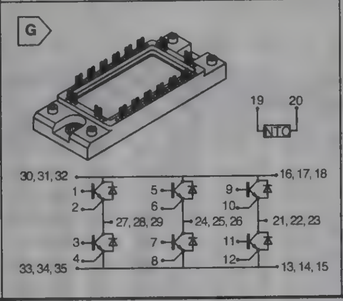

B
Half Bridge:
Chopper:
6
7
1
3
5
2
4
6
7
3
1
2

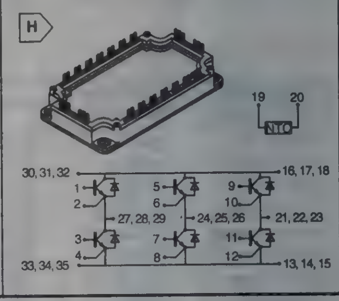

C
GAL-Chopper:
Half Bridge
GAR-Chopper:
6
7
1
3
5
2
4


D
GAL-Chopper:
Half Bridge
GAR-Chopper:
6
7
1
3
5
2
4




F
P+/21
P+/13
N-/20
N-/14
19
17
15


G
19
20
NTC
30, 31, 32
16, 17, 18
27, 28, 29
24, 25, 26
21, 22, 23
33, 34, 35
13, 14, 15


H
19
20
NTC
30, 31, 32
16, 17, 18
27, 28, 29
24, 25, 26
21, 22, 23
33, 34, 35
13, 14, 15

EUPEC IGBT MODULES

Features:
- Voltage Controlled MOS Input
- N-Channel
- Isolated Copper Baseplate

Applications:
- Inductive Heating
- DC Choppers
- Electronic Welding
- Uninterruptible Power Supplies
- DC Servo and Robot Drives
- General Power Switching Applications

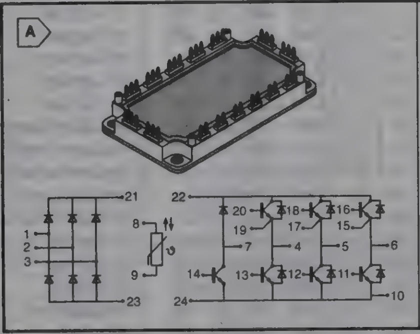
For quantities of 20 and up, call for quote.

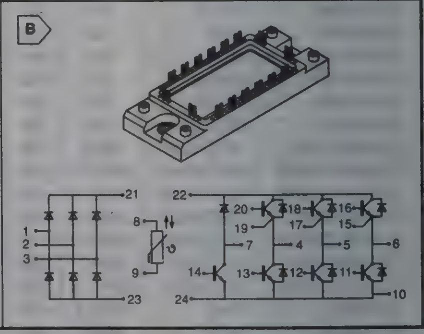
MOUSER STOCK NO.	Eupec Part No.	Fig.	Package	Description	Voltage (V) (max)	Current (A) (max)	Wattage (W) (max)	Temp. (°C) (max)	Price Each		
									1	5	10
641-FZ600R12KE3	FZ600R12KE3	A	IS6a (62mm)	Single switch	1200	600	2500	80	185.74	167.17	- - -
641-BSM200GAL120DN2	BSM200GAL120DN2	B	IS5 (62mm)	GAL Chopper	1200	200	1400	80	145.14	130.63	- - -
641-BSM75GAR120DN2	BSM75GAR120DN2	C	IS4 (34mm)	GAR Chopper	1200	75	625	80	57.20	51.48	- - -
641-BSM200GAR120DN2	BSM200GAR120DN2	B	IS5 (62mm)	GAR Chopper	1200	200	1400	80	145.14	130.63	- - -
641-BSM50GB120DN2	BSM50GB120DN2	C	IS4 (34mm)	Dual IGBT	1200	50	400	80	73.80	66.42	- - -
641-BSM100GB120DN2K	BSM100GB120DN2K	C	IS4 (34mm)	Dual IGBT	1200	100	700	80	79.37	71.57	- - -
641-BSM200GB120DN2	BSM200GB120DN2	D	IS5a (62mm)	Dual IGBT	1200	200	800	80	165.44	148.90	- - -
641-BSM50GB120DLC	BSM50GB120DLC	C	IS4 (34mm)	Dual IGBT	1200	50	460	80	46.12	41.51	- - -
641-BSM100GB120DLCK	BSM100GB120DLCK	C	IS4 (34mm)	Dual IGBT	1200	100	830	80	76.26	68.63	- - -
641-BSM200GB120DLC	BSM200GB120DLC	D	IS5a (62mm)	Dual IGBT	1200	200	1300	80	154.98	139.48	- - -
641-FF300R12KE3	FF300R12KE3	D	IS5a (62mm)	Dual IGBT	1200	300	1470	80	185.74	167.17	- - -
641-BSM10GD120DN2	BSM10GD120DN2	E	IS2 (Econo2)	3 Phase Full Bridge	1200	10	80	80	39.36	35.42	25.30
641-BSM25GD120DN2	BSM25GD120DN2	E	IS2 (Econo2)	3 Phase Full Bridge	1200	25	145	80	73.80	66.42	54.12
641-BSM50GD120DN2	BSM50GD120DN2	E	IS2 (Econo2)	3 Phase Full Bridge	1200	50	350	80	114.40	102.96	98.56
641-BSM100GD120DN2	BSM100GD120DN2	F	IS8 (Econo3)	3 Phase Full Bridge	1200	100	680	80	217.10	195.39	192.51
641-FS50R12KE3	FS50R12KE3	G	IS3a (EconoPACK2)	3 Phase Full Bridge	1200	50	270	80	100.86	90.77	- - -
641-FS150R12KE3	FS150R12KE3	H	IS8a (EconoPACK3)	3 Phase Full Bridge	1200	150	650	80	255.22	229.70	- - -

EUPEC IGBT POWER INTERGRATED MODULES

Features:
- High Level Power Integration
- Integrated Temperature Sensor
- High Power Density, Low Losses

Applications:
- Three Phase Motor Drive Inverter
- Converter
- General Power Switching Supplies


A
21
22
1
2
3
8
9
23
24
20
19
18
17
16
15
7
4
5
6
14
13
12
11
10


B
21
22
1
2
3
8
9
23
24
20
19
18
17
16
15
7
4
5
6
14
13
12
11
10

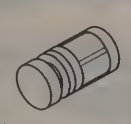
For quantities of 10 and up, call for quote.

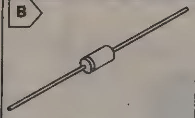
MOUSER STOCK NO.	Eupec Part No.	Fig.	Package	Description	Voltage (V) (max)	Current (A) (max)	Wattage (W) (max)	Temp. (°C) (max)	Price Each	
									1	5
641-BSM10GP120	BSM10GP120	A	IS12 (EconoPIM2)	PIM (Power Integrated Module)	1200	10	100	80	63.34	57.01
641-BSM25GP120	BSM25GP120	A	IS12 (EconoPIM2)	PIM (Power Integrated Module)	1200	25	230	80	89.18	80.26
641-BSM50GP120	BSM50GP120	A	IS13 (EconoPIM3)	PIM (Power Integrated Module)	1200	50	360	80	154.98	139.48
641-FP15R12KE3G	FP15R12KE3G	A	IS12 (EconoPIM2)	PIM (Power Integrated Module)	1200	15	100	80	69.50	62.55
641-FP40R12KE3	FP40R12KE3	A	IS12 (EconoPIM2)	PIM (Power Integrated Module)	1200	40	200	80	107.02	96.32
641-FP50R12KE3	FP50R12KE3	B	IS13 (EconoPIM3)	PIM (Power Integrated Module)	1200	50	270	80	145.14	130.63
641-FP75R12KE3	FP75R12KE3	B	IS13 (EconoPIM3)	PIM (Power Integrated Module)	1200	75	350	80	183.28	164.95

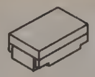
MCC Rectifiers

RoHS Compliant **This page of product is compliant.**

RoHS Compliant

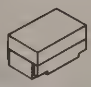
A

MELF

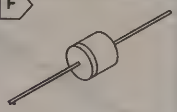
B

DO-41

C

DO-214AC

D

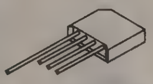
DO-214AA

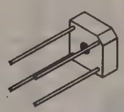
E

DO-214AB

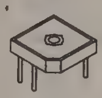
F

R-6

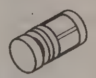
G

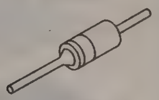
RB-15

H

RS-4L

I

PB-6 / BR-6

J

MP-50

K

MiniMelf

L

DO-35

MCC GLASS PASSIVATED

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	MCC Part No.	Fig.	Package	PVR (V)	IFSM (A)	Price Each		
						1	100	500
1.0 Amp								
833-DL4001-TP	DL4001-TP	A	MELF	50	30	.15	.09	.07
833-DL4002-TP	DL4002-TP	A	MELF	100	30	.15	.09	.07
833-DL4003-TP	DL4003-TP	A	MELF	200	30	.15	.09	.07
833-DL4004-TP	DL4004-TP	A	MELF	400	30	.15	.09	.07
833-DL4005-TP	DL4005-TP	A	MELF	600	30	.15	.09	.07
833-DL4006-TP	DL4006-TP	A	MELF	800	30	.15	.09	.07
833-DL4007-TP	DL4007-TP	A	MELF	1000	30	.17	.10	.08

MCC GENERAL PURPOSE

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	MCC Part No.	Fig.	Package	PVR (V)	IFSM (A)	Price Each		
						1	100	500
1.0 Amp								
833-1N4001-TP	1N4001-TP	B	DO-41	50	30	.05	.03	.02
833-1N4002-TP	1N4002-TP	B	DO-41	100	30	.05	.03	.02
833-1N4003-TP	1N4003-TP	B	DO-41	200	30	.05	.03	.02
833-1N4004-TP	1N4004-TP	B	DO-41	400	30	.05	.03	.02
833-1N4005-TP	1N4005-TP	B	DO-41	600	30	.05	.03	.02
833-1N4006-TP	1N4006-TP	B	DO-41	800	30	.05	.03	.02
833-1N4007-TP	1N4007-TP	B	DO-41	1000	30	.05	.03	.02

MCC STANDARD RECTIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	MCC Part No.	Fig.	Package	PVR (V)	IFSM (A)	Price Each		
						1	100	500
1.0 Amp								
833-GS1M-TP	GS1M-TP	C	DO-214AC	1000	30	.15	.09	.07
2.0 Amp								
833-S2A-TP	S2A-TP	D	DO-214AA	50	50	.21	.14	.09
833-S2B-TP	S2B-TP	D	DO-214AA	100	50	.21	.14	.09
833-S2D-TP	S2D-TP	D	DO-214AA	200	50	.21	.14	.09
833-S2G-TP	S2G-TP	D	DO-214AA	400	50	.21	.14	.09
833-S2J-TP	S2J-TP	D	DO-214AA	600	50	.21	.15	.09
833-S2K-TP	S2K-TP	D	DO-214AA	800	50	.21	.15	.09
833-S2M-TP	S2M-TP	D	DO-214AA	1000	50	.21	.15	.09
3.0 Amp								
833-S3B-TP	S3B-TP	E	DO-214AB	100	100	.45	.28	.24
833-S3G-TP	S3G-TP	E	DO-214AB	400	100	.45	.28	.24
833-S3J-TP	S3J-TP	E	DO-214AB	600	100	.49	.31	.27
833-S3M-TP	S3M-TP	E	DO-214AB	1000	100	.49	.31	.27
6.0 Amp								
833-6A05-TP	6A05-TP	F	R-6	50	250	.20	.16	.14
833-6A1-TP	6A1-TP	F	R-6	100	250	.20	.16	.14
833-6A2-TP	6A2-TP	F	R-6	200	250	.20	.16	.14
833-6A4-TP	6A4-TP	F	R-6	400	250	.20	.16	.14
833-6A6-TP	6A6-TP	F	R-6	600	250	.20	.16	.14
833-6A10-TP	6A10-TP	F	R-6	1000	250	.20	.16	.14

MCC SCHOTTKY BARRIER RECTIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	MCC Part No.	Fig.	Package	PVR (V)	IFSM (A)	Price Each		
						1	100	500
1.0 Amp								
833-SK12-TP	SK12-TP	D	DO-214AA	20	30	.34	.29	.25
833-SK13-TP	SK13-TP	D	DO-214AA	30	30	.34	.29	.25
833-SK14-TP	SK14-TP	D	DO-214AA	40	30	.34	.29	.25
833-SK15-TP	SK15-TP	D	DO-214AA	50	30	.37	.32	.26
833-SK16-TP	SK16-TP	D	DO-214AA	60	30	.37	.32	.26
833-SK110-TP	SK110-TP	D	DO-214AA	100	30	.37	.32	.26
3.0 Amp								
833-SK32-TP	SK32-TP	E	DO-214AB	20	100	.76	.65	.31
833-SK33-TP	SK33-TP	E	DO-214AB	30	100	.76	.65	.31
833-SK34-TP	SK34-TP	E	DO-214AB	40	100	.76	.65	.31
833-SK35-TP	SK35-TP	E	DO-214AB	50	100	.76	.65	.31
833-SK36-TP	SK36-TP	E	DO-214AB	60	100	.76	.65	.31
833-SK38-TP	SK38-TP	E	DO-214AB	80	100	.76	.65	.31

MCC BRIDGE RECTIFIERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	MCC Part No.	Fig.	Package	PVR (V)	IFSM (A)	Price Each		
						1	100	500
1.0 Amp								
833-RB151-BP	RB151-BP	G	RB-15	50	50	.34	.29	.25
833-RB152-BP	RB152-BP	G	RB-15	100	50	.34	.29	.25
833-RB153-BP	RB153-BP	G	RB-15	200	50	.34	.29	.25
833-RB154-BP	RB154-BP	G	RB-15	400	50	.34	.29	.25
833-RB155-BP	RB155-BP	G	RB-15	600	50	.34	.29	.25
4.0 Amp								
833-RS401L-BP	RS401L-BP	H	RS-4L	50	200	.93	.72	.67
833-RS402L-BP	RS402L-BP	H	RS-4L	100	200	.93	.72	.67
833-RS403L-BP	RS403L-BP	H	RS-4L	200	200	.93	.72	.67
833-RS404L-BP	RS404L-BP	H	RS-4L	400	200	.93	.72	.67
833-RS406L-BP	RS406L-BP	H	RS-4L	800	200	1.05	.81	.75
833-RS407L-BP	RS407L-BP	H	RS-4L	1000	200	1.05	.81	.75
6.0 Amp								
833-PB605-BP	PB605-BP	I	PB-6	50	150	.98	.76	.71
833-PB61-BP	PB61-BP	I	PB-6	50	150	.98	.76	.71
833-PB64-BP	PB64-BP	I	PB-6	400	150	.98	.76	.71
833-PB66-BP	PB66-BP	I	PB-6	600	150	.98	.76	.71
833-PB68-BP	PB68-BP	I	PB-6	800	150	.98	.76	.71
833-PB610-BP	PB610-BP	I	PB-6	1000	150	.98	.76	.71
8.0 Amp								
833-MB805-BP	MB805-BP	I	BR-6	50	125	1.12	.87	.81
833-MB81-BP	MB81-BP	I	BR-6	100	125	1.12	.87	.81
833-MB82-BP	MB82-BP	I	BR-6	200	125	1.12	.87	.81
833-MB84-BP	MB84-BP	I	BR-6	400	125	1.12	.87	.81
833-MB86-BP	MB86-BP	I	BR-6	600	125	1.12	.87	.81
833-MB88-BP	MB88-BP	I	BR-6	800	125	1.12	.87	.81
833-MB810-BP	MB810-BP	I	BR-6	1000	125	1.12	.87	.81
10.0 Amp								
833-MB1005-BP	MB1005-BP	I	BR-6	50	150	2.04	1.73	1.44
833-MB101-BP	MB101-BP	I	BR-6	100	150	2.04	1.73	1.44
833-MB102-BP	MB102-BP	I	BR-6	200	150	2.04	1.73	1.44
833-MB104-BP	MB104-BP	I	BR-6	400	150	2.04	1.73	1.44
833-MB106-BP	MB106-BP	I	BR-6	600	150	2.04	1.73	1.44
833-MB108-BP	MB108-BP	I	BR-6	800	150	2.04	1.73	1.44
833-MB1010-BP	MB1010-BP	I	BR-6	1000	150	2.04	1.73	1.44
15.0 Amp								
833-MB151W-BP	MB151W-BP	I	MB-35W	100	400	4.40	3.30	2.75
25.0 Amp								
833-MB251W-BP	MB251W-BP	I	MB-35W	100	400	4.40	3.30	2.75
833-MB252W-BP	MB252W-BP	I	MB-35W	200	400	4.40	3.30	2.75
833-MB256W-BP	MB256W-BP	I	MB-35W	600	400	4.40	3.30	2.75
35.0 Amp								
833-MB351W-BP	MB351W-BP	I	MB-35W	100	400	5.60	4.20	3.50
833-MB352W-BP	MB352W-BP	I	MB-35W	200	400	5.60	4.20	3.50
833-MB354W-BP	MB354W-BP	I	MB-35W	400	400	5.60	4.20	3.50
833-MB356W-BP	MB356W-BP	I	MB-35W	600	400	5.60	4.20	3.50
833-MB358W-BP	MB358W-BP	I	MB-35W	800	400	5.60	4.20	3.50
833-MB3510W-BP	MB3510W-BP	I	MB-35W	1000	400	5.60	4.20	3.50
50.0 Amp								
833-MP502W-BP	MP502W-BP	J	MP-50W	100	400	6.40	4.80	4.00
833-MP504W-BP	MP504W-BP	J	MP-50W	400	400	6.40	4.80	4.00
833-MP506-BP	MP506-BP	J	MP-50	600	400	6.40	4.80	4.00
833-MP506W-BP	MP506W-BP	J	MP-50W	600	400	6.40	4.80	4.00

MCC SWITCHING RECTIFIERS

For quantities of 1000 and up, call for quote.

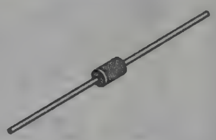
MOUSER STOCK NO.	MCC Part No.	Fig.	Package	PVR (V)	IFSM (A)	Price Each		
						1	100	500
833-DL4148-TP	DL4148-TP	K	MiniMELF	100V	0.5	.10	.07	.05
833-1N4148-TP	1N4148-TP	L	DO-35	100V	0.5	.05	.03	.02

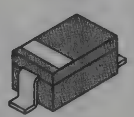
ON SEMICONDUCTOR Zener Diodes

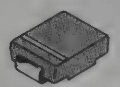
ON Semiconductor® ON

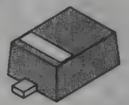
RoHS Compliant This page of product is compliant.

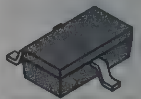
Surmetric 30

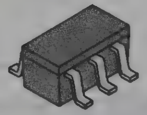

Surmetric 40

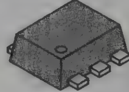

SOD-323

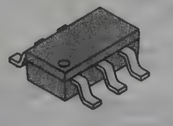

SMA

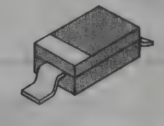

SOD-523

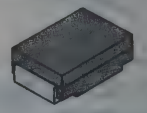

SOT-23


SOT-353


SOT-553


SOT-363


SOD-123


SMB

ON Semiconductor® ON **ZENER DIODES**

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	P Max (W)	VZ Typ. (V)	Price Each			
					1	25	100	500
Axial Lead								
863-1N5920BG	1N5920BG	Surmetic 30	3	6.2	.18	.15	.13	.11
863-1N5929BG	1N5929BG	Surmetic 30	3	15	.18	.15	.13	.11
863-1N5934BG	1N5934BG	Surmetic 30	3	24	.18	.15	.13	.11
863-1N5953BG	1N5953BG	Surmetic 30	3	150	.18	.15	.13	.11
863-1N5956BG	1N5956BG	Surmetic 30	3	200	.18	.15	.13	.11
863-1N5333BG	1N5333BG	Surmetic 40	5	3.3	.27	.23	.21	.17
863-1N5335BG	1N5335BG	Surmetic 40	5	3.9	.27	.23	.21	.17
863-1N5337BG	1N5337BG	Surmetic 40	5	4.7	.27	.23	.21	.17
863-1N5338BG	1N5338BG	Surmetic 40	5	5.1	.27	.23	.21	.17
863-1N5339BG	1N5339BG	Surmetic 40	5	5.6	.27	.23	.21	.17
863-1N5340BG	1N5340BG	Surmetic 40	5	6	.27	.23	.21	.17
863-1N5341BG	1N5341BG	Surmetic 40	5	6.2	.27	.23	.21	.17
863-1N5342BG	1N5342BG	Surmetic 40	5	6.8	.27	.23	.21	.17
863-1N5343BG	1N5343BG	Surmetic 40	5	7.5	.27	.23	.21	.17
863-1N5344BG	1N5344BG	Surmetic 40	5	8.2	.27	.23	.21	.17
863-1N5346BG	1N5346BG	Surmetic 40	5	9.1	.27	.23	.21	.17
863-1N5347BG	1N5347BG	Surmetic 40	5	10	.27	.23	.21	.17
863-1N5348BG	1N5348BG	Surmetic 40	5	11	.27	.23	.21	.17
863-1N5349BG	1N5349BG	Surmetic 40	5	12	.27	.23	.21	.17
863-1N5350BG	1N5350BG	Surmetic 40	5	13	.27	.23	.21	.17
863-1N5351BG	1N5351BG	Surmetic 40	5	14	.27	.23	.21	.17
863-1N5352BG	1N5352BG	Surmetic 40	5	15	.27	.23	.21	.17
863-1N5353BG	1N5353BG	Surmetic 40	5	16	.27	.23	.21	.17
863-1N5355BG	1N5355BG	Surmetic 40	5	18	.27	.23	.21	.17
863-1N5357BG	1N5357BG	Surmetic 40	5	20	.27	.23	.21	.17
863-1N5358BG	1N5358BG	Surmetic 40	5	22	.27	.23	.21	.17
863-1N5359BG	1N5359BG	Surmetic 40	5	24	.27	.23	.21	.17
863-1N5360BG	1N5360BG	Surmetic 40	5	25	.27	.23	.21	.17
863-1N5361BG	1N5361BG	Surmetic 40	5	27	.27	.23	.21	.17
863-1N5362BG	1N5362BG	Surmetic 40	5	28	.27	.23	.21	.17
863-1N5363BG	1N5363BG	Surmetic 40	5	30	.27	.23	.21	.17
863-1N5364BG	1N5364BG	Surmetic 40	5	33	.27	.23	.21	.17
863-1N5365BG	1N5365BG	Surmetic 40	5	36	.27	.23	.21	.17
863-1N5366BG	1N5366BG	Surmetic 40	5	39	.27	.23	.21	.17
863-1N5368BG	1N5368BG	Surmetic 40	5	47	.27	.23	.21	.17
863-1N5373BG	1N5373BG	Surmetic 40	5	68	.27	.23	.21	.17
863-1N5374BG	1N5374BG	Surmetic 40	5	75	.27	.23	.21	.17
863-1N5378BG	1N5378BG	Surmetic 40	5	100	.27	.23	.21	.17
863-1N5384BG	1N5384BG	Surmetic 40	5	160	.27	.23	.21	.17
863-1N5386BG	1N5386BG	Surmetic 40	5	180	.27	.23	.21	.17
Surface Mount								
863-MM3Z12VT1G	MM3Z12VT1G	SOD-323	0.2	12	.03	.03	.03	.02
863-MM3Z4V7T1G	MM3Z4V7T1G	SOD-323	0.2	4.7	.03	.03	.03	.02
863-MM3Z5V6T1G	MM3Z5V6T1G	SOD-323	0.2	5.6	.03	.03	.03	.02
863-1SMA5921BT3G	1SMA5921BT3G	SMA	1.5	6.8	.19	.15	.14	.12
863-1SMB5939BT3G	1SMB5939BT3G	SMB	3	39	.20	.17	.15	.13
863-MM5Z3V6ST1G	MM5Z3V6ST1G	SOD-523	0.2	3.7	.10	.09	.06	.05
863-BZX84C10LT1G	BZX84C10LT1G	SOT-23	0.225	10	.04	.03	.03	.02
863-BZX84C13LT1G	BZX84C13LT1G	SOT-23	0.225	13	.04	.03	.03	.02
863-BZX84C15LT1G	BZX84C15LT1G	SOT-23	0.225	15	.04	.03	.03	.02
863-BZX84C16LT1G	BZX84C16LT1G	SOT-23	0.225	16	.04	.03	.03	.02
863-BZX84C27LT3G	BZX84C27LT3G	SOT-23	0.225	27	.04	.03	.03	.02
863-BZX84C2V4LT1G	BZX84C2V4LT1G	SOT-23	0.225	2.4	.04	.03	.03	.02
863-BZX84C33LT1G	BZX84C33LT1G	SOT-23	0.225	33	.04	.03	.03	.02
863-BZX84C3V3LT1G	BZX84C3V3LT1G	SOT-23	0.225	3.3	.04	.03	.03	.02
863-BZX84C3V9LT1G	BZX84C3V9LT1G	SOT-23	0.225	3.9	.04	.03	.03	.02
863-BZX84C47LT1G	BZX84C47LT1G	SOT-23	0.225	47	.04	.03	.03	.02
863-BZX84C4V3LT1G	BZX84C4V3LT1G	SOT-23	0.225	4.3	.04	.03	.03	.02
863-BZX84C51LT1G	BZX84C51LT1G	SOT-23	0.225	51	.04	.03	.03	.02
863-BZX84C6V8LT1G	BZX84C6V8LT1G	SOT-23	0.225	6.8	.04	.03	.03	.02
Surface Mount (cont.)								
863-BZX84C7V5LT1G	BZX84C7V5LT1G	SOT-23	0.225	7.5	.04	.03	.03	.02
863-BZX84C8V2LT1G	BZX84C8V2LT1G	SOT-23	0.225	8.2	.04	.03	.03	.02
863-MMBZ5238BLT1G	MMBZ5238BLT1G	SOT-23	0.225	8.7	.04	.03	.03	.02
863-MMBZ5244BLT1G	MMBZ5244BLT1G	SOT-23	0.225	14	.04	.03	.03	.02
863-MMBZ5247BLT1G	MMBZ5247BLT1G	SOT-23	0.225	17	.04	.03	.03	.02
863-NSQA12VAW5T2G	NSQA12VAW5T2G	SOT-353	0.3	12	.39	.33	.22	.20
863-NSQA6V8AW5T2G	NSQA6V8AW5T2G	SOT-353	0.38	6.8	.39	.33	.22	.20
863-NZQA5V6AXV5T1G	NZQA5V6AXV5T1G	SOT-553	0.38	5.6	.40	.35	.23	.21
863-MSQA6V1W5T2G	MSQA6V1W5T2G	SOT-353	0.385	6.6	.21	.18	.12	.11
863-DF6A6.8FUT1G	DF6A6.8FUT1G	SOT-363	0.385	6.8	.23	.20	.13	.12
863-MMBZ18VALT1G	MMBZ18VALT1G	SOT-23	0.225	18	.06	.05	.05	.04
863-MMBZ5V6ALT1G	MMBZ5V6ALT1G	SOT-23	0.225	5.6	.06	.05	.05	.04
863-MMSZ15T1G	MMSZ15T1G	SOD-123	0.5	15	.06	.05	.04	.04
863-MMSZ43T1G	MMSZ43T1G	SOD-123	0.5	43	.06	.05	.04	.04
863-MMSZ5231BT1G	MMSZ5231BT1G	SOD-123	0.5	5.1	.06	.05	.04	.04
863-MMSZ5248BT1G	MMSZ5248BT1G	SOD-123	0.5	18	.06	.05	.04	.04
863-MMSZ5252BT1G	MMSZ5252BT1G	SOD-123	0.5	24	.06	.05	.04	.04
863-MMSZ5256BT1G	MMSZ5256BT1G	SOD-123	0.5	30	.06	.05	.04	.04
863-MMSZ5258BT1G	MMSZ5258BT1G	SOD-123	0.5	36	.06	.05	.04	.04
863-MMSZ5V6T1G	MMSZ5V6T1G	SOD-123	0.5	5.6	.06	.05	.04	.04
863-MMSZ4678T1G	MMSZ4678T1G	SOD-123	0.5	1.8	.06	.05	.04	.04
863-MMSZ4679T1G	MMSZ4679T1G	SOD-123	0.5	2	.06	.05	.04	.04
863-MMSZ4683T1G	MMSZ4683T1G	SOD-123	0.5	3	.06	.05	.04	.04
863-MMSZ4685T1G	MMSZ4685T1G	SOD-123	0.5	3.6	.06	.05	.04	.04
863-MMSZ4687T1G	MMSZ4687T1G	SOD-123	0.5	4.3	.06	.05	.04	.04
863-MMSZ4689ET1G	MMSZ4689ET1G	SOD-123	0.5	5.1	.18	.16	.10	.09
863-MMSZ4690T1G	MMSZ4690T1G	SOD-123	0.5	5.6	.06	.05	.04	.04
863-MMSZ4691T1G	MMSZ4691T1G	SOD-123	0.5	6.2	.06	.05	.04	.04
863-MMSZ4692T1G	MMSZ4692T1G	SOD-123	0.5	6.8	.06	.05	.04	.04
863-MMSZ4693T1G	MMSZ4693T1G	SOD-123	0.5	7.5	.06	.05	.04	.04
863-MMSZ4694T1G	MMSZ4694T1G	SOD-123	0.5	8.2	.06	.05	.04	.04
863-MMSZ4696T1G	MMSZ4696T1G	SOD-123	0.5	9.1	.06	.05	.04	.04
863-MMSZ4697T1G	MMSZ4697T1G	SOD-123	0.5	10	.06	.05	.04	.04
863-MMSZ4698T1G	MMSZ4698T1G	SOD-123	0.5	11	.06	.05	.04	.04
863-MMSZ4699T1G	MMSZ4699T1G	SOD-123	0.5	12	.06	.05	.04	.04
863-MMSZ4703T1G	MMSZ4703T1G	SOD-123	0.5	16	.06	.05	.04	.04
863-MMSZ4704T1G	MMSZ4704T1G	SOD-123	0.5	17	.06	.05	.04	.04
863-MMSZ4711T1G	MMSZ4711T1G	SOD-123	0.5	27	.06	.05	.04	.04
863-MMSZ5233BT1G	MMSZ5233BT1G	SOD-123	0.5	6	.06	.05	.04	.04
863-MMSZ5255BT1G	MMSZ5255BT1G	SOD-123	0.5	28	.06	.05	.04	.04
863-MMSZ5261BT1G	MMSZ5261BT1G	SOD-123	0.5	47	.06	.05	.04	.04
863-MMSZ5262BT1G	MMSZ5262BT1G	SOD-123	0.5	51	.06	.05	.04	.04
863-MMSZ5267BT1G	MMSZ5267BT1G	SOD-123	0.5	75	.06	.05	.04	.04
863-MMSZ5270BT1G	MMSZ5270BT1G	SOD-123	0.5	91	.06	.05	.04	.04
863-1SMA5919BT3G	1SMA5919BT3G	SMA	1.5	5.6	.19	.15	.14	.12
863-1SMB5914BT3G	1SMB5914BT3G	SMB	3	3.6	.20	.17	.15	.13
863-1SMB5915BT3G	1SMB5915BT3G	SMB	3	3.9	.20	.17	.15	.13
863-1SMB5916BT3G	1SMB5916BT3G	SMB	3	4.3	.20	.17	.15	.13
863-1SMB5917BT3G	1SMB5917BT3G	SMB	3	4.7	.20	.17	.15	.13
863-1SMB5918BT3G	1SMB5918BT3G	SMB	3	5.1	.20	.17	.15	.13
863-1SMB5922BT3G	1SMB5922BT3G	SMB	3	7.5	.20	.17	.15	.13
863-1SMB5923BT3G	1SMB5923BT3G	SMB	3	8.2	.20	.17	.15	.13
863-1SMB5925BT3G	1SMB5925BT3G	SMB	3	10	.20	.17	.15	.13
863-1SMB5928BT3G	1SMB5928BT3G	SMB	3	13	.20	.17	.15	.13
863-1SMB5930BT3G	1SMB5930BT3G	SMB	3	16	.20	.17	.15	.13
863-1SMB5932BT3G	1SMB5932BT3G	SMB	3	20	.20	.17	.15	.13
863-1SMB5933BT3G	1SMB5933BT3G	SMB	3	22	.20	.17	.15	.13
863-1SMB5943BT3G	1SMB5943BT3G	SMB	3	56	.20	.17	.15	.13
863-1SMB5949BT3G	1SMB5949BT3G	SMB	3	100	.20	.17	.15	.13

ON SEMICONDUCTOR Rectifiers

RoHS Compliant This page of product is compliant.

STANDARD RECOVERY

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	IO (rec) Max. (A)	VRRM Min. (V)	trr Max. (ns)	VFM Max. (V)	IFSM Max. (A)	IR Max. (mA)	Price Each			
									1	25	100	500
863-1N4001G	1N4001G	DO-41	1	50	-	1.1	30	0.01	.05	.04	.03	.02
863-1N4002G	1N4002G	DO-41	1	100	-	1.1	30	0.01	.05	.04	.03	.02
863-1N4003G	1N4003G	DO-41	1	200	-	1.1	30	0.01	.05	.04	.03	.02
863-MRA4003T3G	MRA4003T3G	SMA	1	300	-	1.1	30	0.01	.23	.17	.12	.09
863-1N4004G	1N4004G	DO-41	1	400	-	1.1	30	0.01	.05	.04	.03	.02
863-MRA4004T3G	MRA4004T3G	SMA	1	400	-	1.1	30	0.01	.14	.12	.09	.07
863-1N4005G	1N4005G	DO-41	1	600	-	1.1	30	0.01	.05	.04	.03	.02
863-MRA4005T3G	MRA4005T3G	SMA	1	600	-	1.1	30	0.01	.24	.17	.12	.09
863-1N4006G	1N4006G	DO-41	1	800	-	1.1	30	0.01	.05	.04	.03	.02
863-MRA4006T3G	MRA4006T3G	SMA	1	800	-	1.1	30	0.01	.23	.17	.13	.09
863-1N4007G	1N4007G	DO-41	1	1000	-	1.1	30	0.01	.05	.04	.03	.02
863-MRA4007T3G	MRA4007T3G	SMA	1	1000	-	1.1	30	0.01	.30	.24	.17	.09
863-1N5400G	1N5400G	DO-201AD	3	50	-	1	200	0.01	.16	.14	.10	.08
863-1N5401G	1N5401G	DO-201AD	3	100	-	1	200	0.01	.16	.14	.10	.08
863-1N5402G	1N5402G	DO-201AD	3	200	-	1	200	0.01	.16	.14	.10	.08
863-1N5404G	1N5404G	DO-201AD	3	400	-	1	200	0.01	.16	.14	.10	.08
863-1N5406G	1N5406G	DO-201AD	3	600	-	1	200	0.01	.16	.14	.10	.08
863-1N5408G	1N5408G	DO-201AD	3	1000	-	1	200	0.01	.16	.14	.10	.08
863-MR750G	MR750G	Axial Lead Button	6	50	-	1.25	400	0.025	1.19	1.04	.75	.59
863-MR751G	MR751G	Axial Lead Button	6	100	-	1.25	400	0.025	1.19	1.04	.75	.59
863-MR752G	MR752G	Axial Lead Button	6	200	-	1.25	400	0.025	1.19	1.04	.75	.59
863-MR754G	MR754G	Axial Lead Button	6	400	-	1.25	400	0.025	1.19	1.04	.75	.59
863-MR756G	MR756G	Axial Lead Button	6	600	-	1.25	400	0.025	1.19	1.04	.75	.59

FAST RECOVERY

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	IO (rec) Max. (A)	VRRM Min. (V)	trr Max. (ns)	VFM Max. (V)	IFSM Max. (A)	IR Max. (mA)	Price Each			
									1	25	100	500
863-1N4934G	1N4934G	DO-41	1	100	200	1.2	30	0.005	.11	.09	.07	.06
863-1N4935G	1N4935G	DO-41	1	200	200	1.2	30	0.005	.11	.09	.07	.06
863-1N4936G	1N4936G	DO-41	1	400	200	1.2	30	0.005	.11	.09	.07	.06
863-1N4937G	1N4937G	DO-41	1	600	200	1.2	30	0.005	.11	.09	.07	.06
863-MR854G	MR854G	DO-201AD	3	400	200	1.25	100	0.01	.19	.17	.12	.10
863-MR856G	MR856G	DO-201AD	3	600	200	1.25	100	0.01	.19	.17	.12	.10

ULTRAFAST RECOVERY

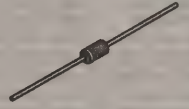
For quantities of 1000 and up, call for quote.

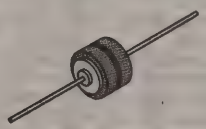
MOUSER STOCK NO.	ON Semi Part No.	Package	IO (rec) Max. (A)	VRRM Min. (V)	trr Max. (ns)	VFM Max. (V)	IFSM Max. (A)	IR Max. (mA)	Price Each			
									1	25	100	500
863-MUR110G	MUR110G	DO-41	1	100	35	0.875	35	0.002	.24	.21	.15	.12
863-MUR115G	MUR115G	DO-41	1	150	35	0.875	35	0.002	.24	.21	.15	.12
863-MUR120G	MUR120G	DO-41	1	200	35	0.875	35	0.002	.24	.21	.15	.12
863-MURS120T3G	MURS120T3G	SMB	1	200	35	0.875	40	0.002	.35	.27	.20	.12
863-MUR140G	MUR140G	DO-41	1	400	75	1.25	35	0.005	.24	.21	.15	.12
863-MURA140T3G	MURA140T3G	SMA	1	400	65	1.1	35	0.005	.29	.22	.17	.14
863-MURA210T3G	MURA210T3G	SMA	2	100	30	0.94	50	0.002	.30	.26	.19	.15
863-MUR160G	MUR160G	DO-41	1	600	75	1.25	35	0.005	.26	.23	.16	.13
863-MUR160RLG	MUR160RLG	DO-41	1	600	75	1.25	35	0.005	.48	.42	.30	.24
863-MURS160T3G	MURS160T3G	SMB	1	600	75	1.25	35	0.005	.30	.23	.17	.14
863-MUR180EG	MUR180EG	DO-41	1	800	75	1.75	35	0.01	.48	.38	.27	.22
863-MURS220T3G	MURS220T3G	SMB	2	200	25	0.95	40	0.002	.46	.37	.27	.21
863-MUR260G	MUR260G	DO-41	2	600	75	1.35	35	0.005	.28	.25	.18	.14
863-MUR410G	MUR410G	DO-201AD	4	100	35	0.89	125	0.005	.43	.37	.27	.21
863-MUR415G	MUR415G	DO-201AD	4	150	35	0.89	125	0.005	.43	.37	.27	.21
863-MUR450PFG	MUR450PFG	DO-201AD	4	520	95	1.15	85	0.005	.88	.77	.55	.44
863-MUR460G	MUR460G	DO-201AD	4	600	75	1.28	70	0.01	.47	.42	.30	.24
863-MUR460RLG	MUR460RLG	DO-41	4	600	75	0.89	70	0.01	.80	.70	.50	.40
863-MUR480EG	MUR480EG	DO-201AD	4	800	75	1.85	70	0.025	.62	.54	.39	.31
863-MUR4100EG	MUR4100EG	DO-201AD	4	1000	75	1.85	70	0.9	.66	.58	.42	.33
863-MUR550PFG	MUR550PFG	TO-220	5	520	95	1.15	100	0.005	2.20	1.93	1.38	1.10
863-MUR620CTG	MUR620CTG	TO-220	6	200	35	0.975	75	0.005	.76	.67	.48	.38
863-MUR810G	MUR810G	TO-220	8	100	35	0.975	100	0.005	.95	.83	.60	.47
863-MUR815G	MUR815G	TO-220	8	150	35	0.975	100	0.005	1.04	.92	.66	.52
863-MUR820G	MUR820G	TO-220	8	200	35	0.975	100	0.005	.90	.77	.61	.51
863-MURD620CTT4G	MURD620CTT4G	DPAK	6	200	35	1.2	63	0.005	.68	.55	.40	.29
863-MURH840CTG	MURH840CTG	TO-220	8	400	28	2	100	0.5	1.95	1.70	1.22	.97
863-MUR860G	MUR860G	TO-220	8	600	60	1.5	100	0.01	1.05	.95	.74	.62
863-MUR880EG	MUR880EG	TO-220	8	800	100	1.8	100	0.01	2.78	2.44	1.74	1.39
863-MURH860CTG	MURH860CTG	TO-220	8	600	35	2.8	100	0.5	1.95	1.70	1.22	.97
863-MURHF860CTG	MURHF860CTG	TO-220 FP	8	600	35	2.8	100	0.5	2.99	2.62	1.87	1.50
863-MUR1510G	MUR1510G	TO-220	15	100	35	1.05	200	0.01	2.40	2.10	1.50	1.20
863-MUR1520G	MUR1520G	TO-220	15	200	35	1.05	200	0.01	1.22	1.10	.85	.56
863-MUR1560G	MUR1560G	TO-220	15	600	60	1.5	150	0.01	1.41	1.25	.97	.64
863-MUR1610CTG	MUR1610CTG	TO-220	16	100	35	0.975	100	0.005	1.19	1.04	.74	.59
863-MUR1620CTG	MUR1620CTG	TO-220	16	200	35	0.975	100	0.005	.99	.87	.68	.57
863-MUR1620CTRG	MUR1620CTRG	TO-220	16	200	85	1.2	100	0.005	1.45	1.25	.97	.83
863-MURF1620CTG	MURF1620CTG	TO-220 FP	16	200	25	0.975	100	0.005	2.13	1.87	1.33	1.07
863-MUR1640CTG	MUR1640CTG	TO-220	16	400	60	1.3	100	0.25	1.80	1.58	1.13	.90
863-MUR2020RG	MUR2020RG	TO-220	20	200	95	1.1	250	0.05	2.60	2.28	1.63	1.30
863-MUR3020PTG	MUR3020PTG	TO-218	30	200	35	1.12	200	0.01	3.08	2.70	1.93	1.54
863-MUR3020WTG	MUR3020WTG	TO-247	30	200	35	1.05	150	0.01	3.89	3.41	2.44	1.95
863-MUR3040PTG	MUR3040PTG	TO-218	30	400	60	1.12	150	0.01	3.89	3.41	2.44	1.95
863-MUR3060PTG	MUR3060PTG	TO-218	30	600	60	1.2	150	0.01	4.27	3.74	2.67	2.14
863-MURS260T3G	MURS260T3G	SMB	2	600	50	1.45	35	0.005	.64	.56	.40	.32
863-MURS320T3G	MURS320T3G	SMC	3	200	35	0.875	75	0.005	1.32	1.16	.83	.66
863-MURS360T3G	MURS360T3G	SMC	3	600	75	1.25	75	0.01	.60	.49	.37	.23

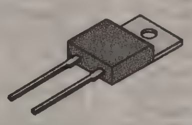
DO-41

SMB

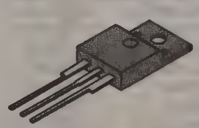
SMA

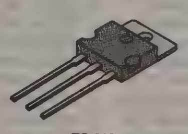

DO-201AD

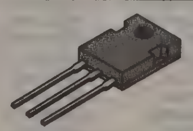

Axial Lead Button

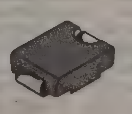

TO-220

DPAK


TO-220 FP


TO-218


TO-247


SMC

ON SEMICONDUCTOR Schottky Diodes

ON Semiconductor®

This page of product is compliant.

SCHOTTKY DIODES

RoHS Compliant

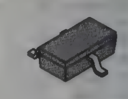
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VRRM Min. (V)	VF Max. (V)	IRM Max. (ns)	IO Max. (A)	IFSM Max. (A)	trr Max. (ns)	Cj Max. (pF)	Price Each 1	25	100	500
863-MBR30H60CTG	MBR30H60CTG	TO-220 3	60	0.78	300	30	260	-	-	2.20	1.84	1.65	1.40
863-NSR0130P2T5G	NSR0130P2T5G	SOD-923	30	0.385	0.35	0.1	1	-	10	.14	.12	.11	.09
863-NSR0140P2T5G	NSR0140P2T5G	SOD-923	30	0.35	0.5	-	0.03	-	2.5	.14	.12	.11	.09
863-NSR0230P2T5G	NSR0230P2T5G	SOD-923	30	0.325	10	-	0.2	-	-	.14	.12	.11	.09
863-MBR0520LT1G	MBR0520LT1G	SOD-123	20	0.385	250	0.5	5.5	-	-	.11	.09	.08	.07
863-MBR0530T1G	MBR0530T1G	SOD-123	30	0.43	130	0.5	5.5	-	-	.11	.09	.08	.07
863-MBR0540T1G	MBR0540T1G	SOD-123	40	0.51	20	0.5	5.5	-	-	.11	.09	.08	.07
863-MBR2030CTLG	MBR2030CTLG	TO-220 3	30	0.58	5000	20	150	-	-	1.85	1.57	1.10	1.10
863-MBRB1545CTT4G	MBRB1545CTT4G	D2PAK 3	45	0.84	100	15	150	-	-	1.00	.83	.75	.63
863-MBRB20200CTT4G	MBRB20200CTT4G	D2PAK 3	200	1	1000	20	150	-	-	3.45	2.88	2.59	2.19
863-MBRB2535CTLT4G	MBRB2535CTLT4G	D2PAK 3	35	0.55	10000	25	150	-	-	2.31	1.93	1.74	1.47
863-MBRD1035CTLG	MBRD1035CTLG	DPAK 4	35	0.56	2000	10	50	-	-	.82	.68	.61	.52
863-MBRD320T4G	MBRD320T4G	DPAK 4	20	0.6	200	3	75	-	-	.55	.46	.41	.35
863-MBRD330T4G	MBRD330T4G	DPAK 4	30	0.6	200	3	75	-	-	.55	.46	.41	.35
863-MBRD360T4G	MBRD360T4G	DPAK 4	60	0.6	200	3	75	-	-	.55	.46	.41	.35
863-MBRD835LT4G	MBRD835LT4G	DPAK 4	35	0.51	1400	8	75	-	-	.61	.50	.45	.38
863-MBRS230LT3G	MBRS230LT3G	SMB	30	0.49	1000	2	40	-	-	.23	.19	.17	.15
863-MBRS340T3G	MBRS340T3G	SMC	40	0.5	2000	3	80	-	-	.28	.24	.21	.18
863-MBRS360T3G	MBRS360T3G	SMC	60	0.74	150	3	125	-	-	.30	.25	.23	.19
863-MBRS540T3G	MBRS540T3G	SMC	40	0.5	300	5	190	-	-	.36	.30	.27	.23
863-MMBD101LT1G	MMBD101LT1G	SOT-23	7	0.6	2.5	-	-	-	1	.09	.07	.07	.06
863-MMBD352LT1G	MMBD352LT1G	SOT-23	7	0.6	0.25	-	-	-	1	.12	.10	.09	.08
863-MMBD354LT1G	MMBD354LT1G	SOT-23	7	0.6	0.25	-	-	-	1	.12	.10	.09	.08
863-MBR2515LG	MBR2515LG	TO-220	15	0.45	15000	25	150	-	-	2.67	2.22	2.00	1.69
863-MBR4015LWTG	MBR4015LWTG	TO-247	15	0.5	5000	40	120	-	-	7.50	6.25	5.63	4.75
863-MBR120VLSFT1G	MBR120VLSFT1G	SOD-123 FL	20	0.34	600	1	45	-	-	.30	.25	.23	.19
863-1N5817G	1N5817G	DO-41	20	0.45	1000	1	25	-	-	.16	.13	.12	.10
863-MBR120LSFT1G	MBR120LSFT1G	SOD-123 FL	20	0.45	40	1	50	-	-	.18	.15	.13	.11
863-1N5820G	1N5820G	DO-201AD	20	0.475	2000	3	80	-	-	.28	.23	.21	.18
863-MBR120ESFT1G	MBR120ESFT1G	SOD-123 FL	20	0.53	10	1	40	-	-	.18	.15	.13	.11
863-MBRS120T3G	MBRS120T3G	SMB	20	0.6	1000	1	40	-	-	.17	.14	.13	.11
863-NSR0320MW2T1G	NSR0320MW2T1G	SOD-323	23	0.27	50	-	-	-	35	.11	.09	.08	.07
863-NSR0320XV6T1G	NSR0320XV6T1G	SOT-563	23	0.27	50	-	-	-	35	.18	.15	.13	.11
863-BAT54CWT1G	BAT54CWT1G	SC-70	30	0.32	2	-	-	-	10	.07	.06	.05	.04
863-BAT54SWT1G	BAT54SWT1G	SC-70	30	0.32	2	-	-	-	10	.07	.06	.05	.04
863-BAT54WT1G	BAT54WT1G	SC-70	30	0.32	2	-	-	-	10	.06	.05	.05	.04
863-BAT54CTT1G	BAT54CTT1G	SC-75	30	0.32	2	-	-	-	10	.07	.06	.05	.05
863-BAT54T1G	BAT54T1G	SOD-123	30	0.32	2	-	0.6	-	10	.07	.06	.06	.05
863-BAT54HT1G	BAT54HT1G	SOD-323	30	0.32	2	-	-	-	10	.07	.06	.06	.05
863-BAT54XV2T1G	BAT54XV2T1G	SOD-523	30	0.32	2	-	0.6	-	10	.08	.07	.06	.05
863-BAT54SLT1G	BAT54SLT1G	SOT-23	30	0.32	2	-	-	-	10	.06	.05	.04	.04
863-NSR30CM3T5G	NSR30CM3T5G	SOT-723	30	0.32	2	-	0.6	-	10	.15	.13	.11	.10
863-RB751V40T1G	RB751V40T1G	SOD-323	30	0.37	0.5	-	-	-	2.5	.08	.07	.06	.05
863-MBR130LSFT1G	MBR130LSFT1G	SOD-123 FL	30	0.38	1000	1	40	-	-	.18	.15	.13	.11
863-MBRS130LT3G	MBRS130LT3G	SMB	30	0.395	1000	1	40	-	-	.17	.14	.13	.11
863-MMSD301T1G	MMSD301T1G	SOD-123	30	0.45	0.2	-	-	-	1.5	.10	.08	.07	.06
863-MMBD301LT1G	MMBD301LT1G	SOT-23	30	0.45	0.2	-	-	-	1.5	.08	.07	.06	.05
863-1N5821G	1N5821G	DO-201AD	30	0.5	2000	3	80	-	-	.28	.23	.21	.18
863-1N5818G	1N5818G	DO-41	30	0.55	1000	1	25	-	-	.16	.13	.12	.10
863-MBR2030CTLG	MBR2030CTLG	TO-220	30	0.58	5000	20	150	-	-	1.85	1.57	1.10	1.10
863-MBRS130T3G	MBRS130T3G	SMB	30	0.6	1000	1	40	-	-	.17	.14	.13	.11
863-MBR2535CTLG	MBR2535CTLG	TO-220	35	0.47	5000	25	150	-	-	1.55	1.28	.90	.90
863-MBRD835LG	MBRD835LG	DPAK	35	0.51	1400	8	75	-	-	.61	.50	.45	.38
863-1N5822G	1N5822G	DO-201AD	40	0.525	2000	3	80	-	-	.28	.23	.21	.18
863-MBR140SFT1G	MBR140SFT1G	SOD-123 FL	40	0.55	500	1	30	-	-	.15	.12	.11	.09
863-MBR340G	MBR340G	DO-201AD	40	0.6	600	3	80	-	-	.25	.21	.19	.16
863-1N5819G	1N5819G	DO-41	40	0.6	1000	1	25	-	-	.16	.13	.12	.10
863-MBRS140T3G	MBRS140T3G	SMB	40	0.6	1000	1	40	-	-	.17	.14	.13	.11
863-80SQ045NG	80SQ045NG	DO-201AD	45	0.55	1000	8	140	-	-	.57	.47	.43	.36
863-MBR1645G	MBR1645G	TO-220	45	0.63	20	16	150	-	-	.96	.80	.72	.61
863-MBR6045PTG	MBR6045PTG	TO-218	45	0.75	1000	60	500	-	-	3.92	3.26	2.94	2.48
863-MBR6045WTG	MBR6045WTG	TO-247	45	0.75	1000	60	500	-	-	3.70	3.23	2.07	2.07
863-MBR3045PTG	MBR3045PTG	TO-218	45	0.76	1000	30	200	-	-	2.14	1.78	1.60	1.35
863-MBR4045PTG	MBR4045PTG	TO-218	45	0.8	1000	40	400	-	-	2.49	2.08	1.87	1.58
863-MBRB2545CTG	MBRB2545CTG	D2PAK	45	0.82	20	30	150	-	-	1.96	1.63	1.47	1.24
863-MBR2545CTG	MBR2545CTG	TO-220	45	0.82	20	30	150	-	-	1.17	.98	.88	.74
863-MBRB1045T4G	MBRB1045T4G	D2PAK	45	0.84	10	10	150	-	-	1.00	.83	.75	.63
863-MBRB1545CTG	MBRB1545CTG	D2PAK	45	0.84	10	15	150	-	-	1.00	.83	.75	.63
863-MBR1045G	MBR1045G	TO-220	45	0.84	10	10	150	-	-	.71	.59	.53	.45
863-MBR1545CTG	MBR1545CTG	TO-220	45	0.84	10	15	150	-	-	.68	.56	.51	.43
863-MBR2045CTG	MBR2045CTG	TO-220	45	0.84	10	20	150	-	-	.71	.59	.53	.45
863-MBR745G	MBR745G	TO-220	45	0.84	10	7.5	150	-	-	.64	.53	.48	.41
863-MBR150G	MBR150G	DO-41	50	0.75	500	1	25	-	-	.18	.15	.13	.11
863-MBRD360G	MBRD360G	DPAK	60	0.6	20	3	75	-	-	.55	.46	.41	.35
863-MBR360G	MBR360G	DO-201AD	60	0.74	600	3	80	-	-	.25	.21	.19	.16
863-MBR160G	MBR160G	DO-41	60	0.75	500	1	25	-	-	.18	.15	.13	.11
863-MBR1060G	MBR1060G	TO-220	60	0.8	6000	10	150	-	-	.71	.59	.53	.45
863-MBRD660CTG	MBRD660CTG	DPAK	60	0.9	10	6	75	-	-	.62	.52	.47	.39
863-MBRB2060CTG	MBRB2060CTG	D2PAK	60	0.95	150	20	150	-	-	2.14	1.78	1.60	1.35
863-MBR2060CTG	MBR2060CTG	TO-220	60	0.95	10	20	150	-	-	1.28	1.07	.96	.81
863-MBRF2060CTG	MBRF2060CTG	TO-220 FP	60	0.95	150	20	150	-	-	2.49	2.08	1.87	1.58
863-MMBD701LT1G	MMBD701LT1G	SOT-23	70	0.5	0.2	-	-	-	1	.09	.07	.07	.06
863-MBD770DWT1G	MBD770DWT1G	SOT-363	70	0.5	0.2	-	-	-	1	.14	.12	.11	.09
863-MBRS190T3G	MBRS190T3G	SMB	90	0.75	500	1	50	-	-	.25	.21	.19	.16

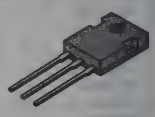
ON Semiconductor®

SOD-923

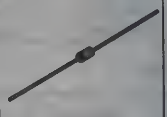
SMC


SOT-23

TO-220


TO-247

SOD-123 FL


DO-41

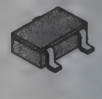
DO-201AD

SMB

SOD-323

SOT-563

SC-70


SC-75

SOD-123

SOD-523

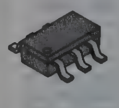
SOT-723

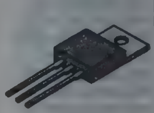
DPak

TO-218

D2Pak

TO-220 FP


SOT-363


TO-220-3

Schottky, Small Signal Switching, and Tuning Diodes

ON Semiconductor®

RoHS Compliant **This page of product is compliant.**

SCHOTTKY DIODES

ON Semiconductor®

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VRRM Min. (V)	VF Max. (V)	IRM Max. (ns)	IO Max. (A)	IFSM Max. (A)	trr Max. (ns)	Cj Max. (pF)	Price Each			
										1	25	100	500
863-MBR1090G	MBR1090G	TO-220	90	0.8	6000	10	150	-	-	1.00	.83	.75	.63
863-MBR10H100CTG	MBR10H100CTG	TO-220	100	0.73	3.5	5	180	-	-	.92	.77	.69	.59
863-MBRS1100T3G	MBRS1100T3G	SMB	100	0.75	500	1	50	-	-	.23	.19	.17	.14
863-MBR20H100CTG	MBR20H100CTG	TO-220	100	0.77	4.5	10	250	-	-	1.16	.96	.87	.73
863-MBR3100G	MBR3100G	DO-201AD	100	0.79	600	3	150	-	-	.43	.36	.32	.27
863-MBR1100G	MBR1100G	DO-41	100	0.79	500	1	50	-	-	.23	.19	.17	.15
863-MBR10100G	MBR10100G	TO-220	100	0.8	6000	10	150	-	-	1.00	.83	.75	.52
863-MBR16100CTG	MBR16100CTG	TO-220	100	0.84	10	16	150	-	-	1.68	1.36	1.15	.96
863-MBR60H100CTG	MBR60H100CTG	TO-220	100	0.84	10	30	350	-	-	3.00	2.50	2.25	1.90
863-MBR41H100CTG	MBR41H100CTG	TO-220	100	0.9	10	20	350	-	-	3.15	2.63	2.36	2.00
863-MBR30H100CTG	MBR30H100CTG	TO-220	100	0.93	4.5	15	250	-	-	2.40	2.00	1.80	1.52
863-MBRB20100CTG	MBRB20100CTG	D2PAK	100	0.95	10	20	150	-	-	1.71	1.42	1.28	1.08
863-MBR20100CTG	MBR20100CTG	TO-220	100	0.95	10	20	150	-	-	1.00	.83	.75	.63
863-MBRF20100CTG	MBRF20100CTG	TO-220 FP	100	0.95	150	20	150	-	-	2.72	2.30	1.76	1.40
863-MBRB20200CTG	MBRB20200CTG	D2PAK	200	1	1000	20	150	-	-	3.45	2.88	2.59	2.19
863-MBR20200CTG	MBR20200CTG	TO-220	200	1	10	20	150	-	-	1.96	1.63	1.47	1.24
863-MBRF20200CTG	MBRF20200CTG	TO-220 FP	200	1	1000	20	150	-	-	3.05	2.68	2.02	1.72
863-MBRF40250TG	MBRF40250TG	TO-220 FP	250	0.97	30	40	150	35	500	2.25	1.88	1.69	1.43
863-MBR40250G	MBR40250G	TO-220-2	250	0.97	30	40	150	35	500	2.25	1.88	1.69	1.43
863-MBR40250TG	MBR40250TG	TO-220-3	250	0.97	30	40	150	35	500	2.25	1.88	1.69	1.43

SMALL SIGNAL SWITCHING DIODES

ON Semiconductor®

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VRRM Min. (V)	VF Max. (V)	IRM Max. (ns)	trr Max. (ns)	Cj Max. (pF)	Price Each			
								1	25	100	500
863-MPN3404G	MPN3404G	TO-92	20	-	0.1	-	2	.57	.48	.43	.36
863-MMBD2837LT1G	MMBD2837LT1G	SOT-23	35	1	1	4	4	.04	.03	.03	.02
863-M1MA141KT1G	M1MA141KT1G	SC-70	40	1.2	0.1	3	2	.04	.03	.03	.02
863-M1MA151AT1G	M1MA151AT1G	SC-59	40	1.2	0.1	3	2	.11	.09	.08	.07
863-BAV74LT1G	BAV74LT1G	SOT-23	50	1	0.1	4	2	.05	.04	.03	.02
863-MMDL6050T1G	MMDL6050T1G	SOD-323	70	0.7	0.1	4	2.5	.05	.04	.04	.03
863-BAV70WT1G	BAV70WT1G	SC-70	70	1	50	6	1.5	.04	.03	.03	.02
863-BAV99WT1G	BAV99WT1G	SC-70	70	1	2.5	6	1.5	.04	.03	.03	.02
863-BAV70TT1G	BAV70TT1G	SC-75	70	1	50	6	1.5	.04	.03	.03	.02
863-BAL99LT1G	BAL99LT1G	SOT-23	70	1	2.5	6	1.5	.04	.03	.03	.02
863-BAV70LT1G	BAV70LT1G	SOT-23	70	1	2.5	6	1.5	.05	.04	.03	.02
863-BAV99LT1G	BAV99LT1G	SOT-23	70	1	2.5	6	1.5	.05	.04	.03	.02
863-BAW56LT1G	BAW56LT1G	SOT-23	70	1	2.5	6	2	.05	.04	.03	.02
863-MMBD6050LT1G	MMBD6050LT1G	SOT-23	70	1.1	0.1	4	2.5	.04	.03	.03	.02
863-MMBD6100LT1G	MMBD6100LT1G	SOT-23	70	1.1	0.1	4	2.5	.04	.03	.03	.02
863-BAS16HT1G	BAS16HT1G	SOD-323	75	1	1	6	2	.04	.03	.03	.02
863-BAS16XV2T1G	BAS16XV2T1G	SOD-523	75	1	1	6	2	.04	.04	.03	.03
863-BAS16LT1G	BAS16LT1G	SOT-23	75	1	1	6	2	.05	.04	.03	.02
863-MMBD2836LT1G	MMBD2836LT1G	SOT-23	75	1	0.1	4	4	.04	.03	.03	.02
863-MMBD2838LT1G	MMBD2838LT1G	SOT-23	75	1	0.1	4	4	.04	.03	.03	.02
863-BAS16DXV6T1G	BAS16DXV6T1G	SOT-563	75	1	0.02	6	2	.14	.12	.11	.09
863-DA121TT1G	DA121TT1G	SC-75	80	1	1	6	2	.04	.03	.03	.02
863-NSDEMN11XV6T1G	NSDEMN11XV6T1G	SOT-563	80	1.2	0.1	4	3.5	.18	.15	.14	.11
863-DAN222G	DAN222G	SC-75	80	1.2	0.1	4	3.5	.04	.03	.03	.02
863-DAP202UG	DAP202UG	SC-70	80	1.2	0.1	10	3.5	.08	.06	.06	.05
863-DAP222G	DAP222G	SC-75	80	1.2	0.1	4	3.5	.04	.03	.03	.02
863-M1MA142KT1G	M1MA142KT1G	SC-70	80	1.2	0.1	3	2	.11	.09	.08	.07
863-M1MA152AT1G	M1MA152AT1G	SC-59	80	1.2	0.1	3	2	.11	.09	.08	.07
863-MMSD71RKT1G	MMSD71RKT1G	SOD-123	80	1.2	0.5	4	2	.22	.18	.16	.14
863-HN2D02FUTW1T1G	HN2D02FUTW1T1G	SOT-363	85	1.2	0.1	3	2	.12	.10	.09	.08
863-MSD6100G	MSD6100G	TO-92	100	0.82	0.1	4	1.5	.18	.15	.14	.11
863-MMSD4148T1G	MMSD4148T1G	SOD-123	100	1	50	4	4	.06	.05	.04	.04
863-MMSD914T1G	MMSD914T1G	SOD-123	100	1	50	4	4	.06	.05	.05	.04
863-MMDL914T1G	MMDL914T1G	SOD-323	100	1	50	4	4	.04	.03	.03	.02
863-MMBD914LT1G	MMBD914LT1G	SOT-23	100	1	50	4	4	.05	.04	.03	.02
863-MMBD7000LT1G	MMBD7000LT1G	SOT-23	100	1.1	1	4	1.5	.04	.03	.03	.02
863-BAS19LT1G	BAS19LT1G	SOT-23	120	1	0.1	50	5	.05	.04	.03	.02
863-BAS20LT1G	BAS20LT1G	SOT-23	200	1	0.1	50	5	.05	.04	.03	.02
863-BAS20HT1G	BAS20HT1G	SOD-323	200	1	0.1	50	5	.05	.04	.04	.03
863-MPN3700G	MPN3700G	TO-92	200	-	0.1	-	1	.57	.48	.43	.36
863-BAS21LT1G	BAS21LT1G	SOT-23	250	1	0.1	50	5	.05	.04	.03	.02
863-MMSD103T1G	MMSD103T1G	SOD-123	250	1	1	50	5	.05	.04	.04	.03
863-BAV70DXV6T1G	BAV70DXV6T1G	SOT-563	-	0.715	60	6	1.5	.18	.15	.14	.11
863-NSD914XV2T1G	NSD914XV2T1G	SOD-523	-	1	50	4	4	.10	.08	.07	.06
863-1SS400T1G	1SS400T1G	SOD-523	-	1.2	0.1	4	3	.05	.04	.04	.03
863-NSDEMP11XV6T1G	NSDEMP11XV6T1G	SOT-563	-	1.2	-	4	3.5	.15	.12	.11	.09
863-BAS21DW5T1G	BAS21DW5T1G	SOT-353	250	1	0.1	50	5	.06	.05	.05	.04

TUNING DIODES

ON Semiconductor®

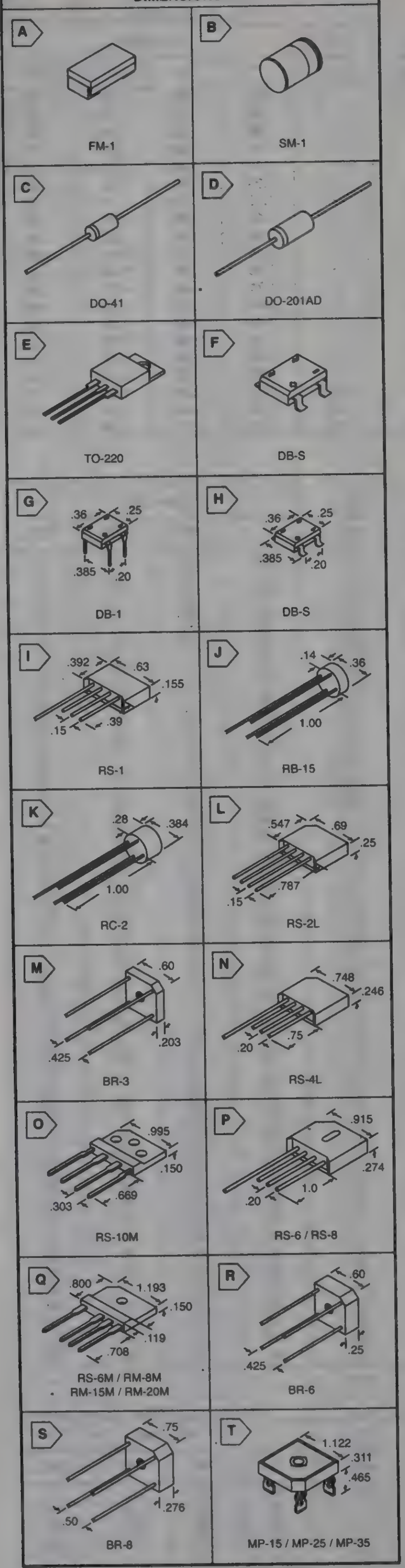
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VRRM Min. (V)	VF Max. (V)	IRM Max. (ns)	trr Max. (ns)	Cj Max. (pF)	Price Each			
								1	25	100	500
863-MV209G	MV209G	TO-92	30	26	32	5	6.5	.18	.15	.13	.11
863-MMBV3401LT1G	MMBV3401LT1G	SOT-23	35	-	1	-	-	.16	.13	.12	.10
863-BAV199LT1G	BAV199LT1G	SOT-23	70	-	2	-	-	.07	.06	.05	.05
863-BAS116LT1G	BAS116LT1G	SOT-23	75	-	2	-	-	.06	.05	.05	.04
863-MMBV609LT1G	MMBV609LT1G	SOT-23	20	-	-	-	32	.16	.13	.12	.10

RECTRON Rectifiers

Products may be RoHS compliant. Check mouser.com for RoHS status.

DIMENSIONS: in.



RECTRON GLASS PASSIVATED

- Operating and storage temperature: -65°C to +175°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each		
				1	100	500
1.0 Amp						
◆583-FM4001	A	50	30	.17	.098	.078
◆583-SM4001-W	B	50	30	.16	.14	.13
◆583-FM4002	A	100	30	.18	.10	.082
◆583-SM4002-W	B	100	30	.16	.14	.13
583-1N4003G	C	200	30	.11	.084	.06
◆583-SM4003	B	200	30	.11	.09	.07
◆583-FM4004	A	400	30	.20	.12	.092
◆583-SM4004	B	400	30	.18	.10	.08
◆583-FM4005-W	A	600	30	.17	.14	.12
◆583-FM4007-W	A	1000	30	.18	.15	.13
◆583-SM4007	B	1000	30	.24	.14	.11

RECTRON FAST RECOVERY, GLASS PASSIVATED

Specifications:

- Operating temp.: -65°C to +150°C • Storage temp.: -65°C to +150°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	Trr (ns)	Price Each		
				1	100	500
3.0 Amp						
583-FR307G	D	1000	500	.75	.54	.41

RECTRON SUPER FAST RECOVERY

Specifications:

- Operating temperature: -65°C to +150°C
- Storage temperature: -65°C to +150°C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	Trr (ns)	Price Each		
				1	100	500
1.0 Amp						
583-EDB104S	E	200	50	.90	.82	.71
583-EFM106-W	F	400	35	.50	.46	.37
16.0 Amp						
583-SF164C	G	200	35	2.01	1.83	1.59

RECTRON SCHOTTKY BARRIER

Specifications:

- Operating temperature: -65°C to +125°C
- Storage temperature: -65°C to +150°C

For quantities greater than listed, call for quote.

1.0 Amp						
◆ 583-FM5817	E	20	25	.48	.34	.27
◆ 583-FM5818	E	30	25	.43	.31	.25
◆ 583-FM5819	E	40	25	.43	.31	.25

RECTRON BRIDGE RECTIFIERS

*UL File No. 94233 ◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each		
				1	100	500
1.0 Amp						
*583-DB101	G	50	50	.31	.26	.21
◆*583-DB101S	H	50	50	.37	.32	.25
*583-DB102	G	100	50	.33	.28	.22
◆*583-DB102S	H	100	50	.39	.33	.27
*583-DB103	G	200	50	.36	.31	.25
◆*583-DB103S	H	200	50	.41	.35	.28
*583-DB104	G	400	50	.37	.32	.25
*583-DB105	G	600	50	.41	.35	.28
*583-DB107	G	1000	50	.50	.43	.34
*583-RS101	I	50	30	.37	.32	.25
*583-RS102	I	100	30	.39	.34	.27
*583-RS105	I	600	30	.48	.40	.33
*583-MDA104G	I	400	30	.47	.40	.32
1.5 Amp						
*583-RB151	J	50	50	.26	.22	.18
*583-RB152	J	100	50	.27	.23	.19
*583-RB153	J	200	50	.28	.24	.19
*583-RB154	J	400	50	.29	.25	.20
*583-RB155	J	600	50	.37	.31	.25
583-RB157	J	1000	50	.42	.36	.29
2.0 Amp						
583-RC201	K	50	60	.32	.27	.22
583-RC202	K	100	60	.33	.28	.22
583-RC203	K	200	60	.34	.29	.23
583-RC204	K	400	60	.36	.31	.25
583-RC205	K	600	60	.39	.34	.27
583-RC206	K	800	60	.45	.38	.31
*583-RS201L	L	50	60	.41	.35	.28
*583-RS202L	L	100	60	.42	.36	.29

RECTRON BRIDGE RECTIFIERS (CONT.)

*UL File No. 94233 ◆ Surface Mount Device

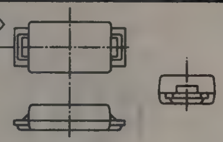
For quantities greater than listed, call for quote.

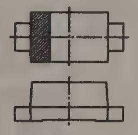
MOUSER STOCK NO.	Fig.	PRV (V)	IFM (Surge) (A)	Price Each		
				1	100	500
2.0 Amp						
* 583-RS203L	L	200	60	.44	.37	.30
* 583-RS204L	L	400	60	.45	.38	.31
* 583-RS205L	L	600	60	.48	.41	.33
* 583-RS206L	L	800	60	.51	.43	.35
* 583-RS207L	L	1000	60	.55	.47	.38
3.0 Amp						
* 583-BR305	M	50	50	.41	.35	.28
* 583-BR31	M	100	50	.42	.36	.29
* 583-BR32	M	200	50	.44	.37	.30
* 583-BR34	M	400	50	.46	.39	.31
* 583-BR36	M	600	50	.49	.41	.33
* 583-BR38	M	800	50	.58	.49	.40
583-BR310	M	1000	50	.61	.52	.42
4.0 Amp						
* 583-RS401L	N	50	200	.73	.63	.50
* 583-RS402L	N	100	200	.73	.63	.50
* 583-RS403L	N	200	200	.80	.69	.55
* 583-RS404L	N	400	200	.82	.70	.56
* 583-RS405L	N	600	200	.85	.72	.58
* 583-RS406L	N	800	200	.96	.82	.66
* 583-RS407L	N	1000	200	1.15	.98	.79
* 583-RS405M	O	600	150	.87	.74	.59
* 583-MDA970G2	N	100	200	.80	.69	.55
6.0 Amp						
* 583-RS601	P	50	250	1.01	.86	.69
* 583-RS602	P	100	250	1.04	.89	.71
* 583-RS604	P	400	250	1.19	1.01	.82
* 583-RS605	P	600	250	1.26	1.07	.86
* 583-RS606	P	800	250	1.50	1.28	1.03
583-RS607	P	1000	250	1.61	1.37	1.10
* 583-BR605	R	50	125	.78	.67	.54
* 583-BR61	R	100	125	.80	.68	.55
* 583-BR62	R	200	125	.90	.77	.62
* 583-BR64	R	400	125	.97	.83	.67
* 583-BR66	R	600	125	1.01	.86	.69
* 583-BR68	R	800	125	1.14	.97	.78
* 583-BR610	R	1000	125	1.34	1.14	.92
8.0 Amp						
583-RS801	P	50	250	1.01	.86	.69
583-RS802	P	100	250	1.11	.95	.76
583-RS803	P	200	250	1.20	1.02	.82
583-RS804	P	400	250	1.25	1.07	.86
583-RS805	P	600	250	1.35	1.15	.93
583-RS807	P	1000	250	1.72	1.47	1.18
* 583-BR81	S	100	125	.92	.79	.63
* 583-BR82	S	200	125	.94	.80	.64
* 583-BR84	S	400	125	1.07	.91	.73
* 583-BR86	S	600	125	1.14	.97	.78
583-BR810	S	1000	125	1.41	1.20	.97
10 Amp						
* 583-BR1005	S	50	200	1.04	.89	.71
* 583-BR101	S	100	200	1.06	.90	.72
* 583-BR102	S	200	200	1.07	.91	.73
* 583-BR104	S	400	200	1.14	.97	.78
* 583-BR106	S	600	200	1.21	1.03	.83
* 583-BR108	S	800	200	1.34	1.14	.92
583-BR1010	S	1000	200	1.58	1.34	1.08
15 Amp						
* 583-MP1505	T	50	300	2.61	2.22	1.79
* 583-MP151	T	100	300	2.68	2.29	1.84
* 583-MP152	T	200	300	2.74	2.33	1.87
* 583-MP154	T	400	300	2.79	2.37	1.91
583-RS1502M	Q	100	250	1.71	1.46	1.17
583-RS1503M	Q	200	250	1.96	1.67	1.34
583-RS1504M	Q	400	250	2.01	1.72	1.38
583-RS1505M	Q	600	250	2.25	1.92	1.54
583-RS1506M	Q	800	250	2.60	2.21	1.78
583-RS1507M	Q	1000	250	2.87	2.44	1.97
25 Amp						
* 583-MP251	T	100	300	2.73	2.33	1.87
* 583-MP252	T	200	300	2.77	2.36	1.90
* 583-MP254	T	400	300	2.84	2.42	1.94
* 583-MP256	T	600	300	2.93	2.49	2.01
* 583-MP2510	T	1000	300	3.86	3.29	2.64
35 Amp						
* 583-MP3505	T	50	400	2.83	2.41	1.94
* 583-MP351	T	100	400	2.88	2.45	1.97
* 583-MP352	T	200	400	2.90	2.47	1.99
* 583-MP354	T	400	400	3.26	2.78	2.23
* 583-MP356	T	600	400	3.52	3.00	2.41
* 583-MP3510	T	1000	400	3.99	3.40	2.73

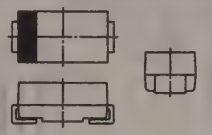
SHINDENGEN Rectifiers

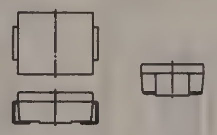
Shindengen America, Inc.

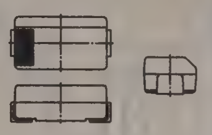
RoHS Compliant This page of product is compliant.

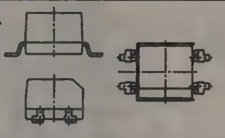
A

G1F

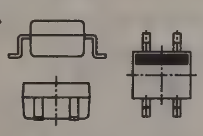
B

M1F

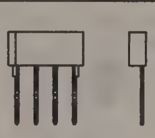
C

1F

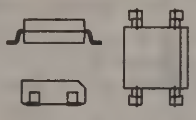
D

M2F

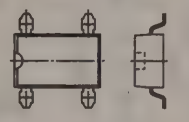
E

2F

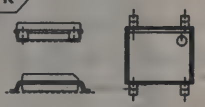
F

1Y (SMT)

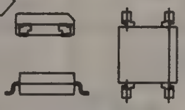
G

1Z

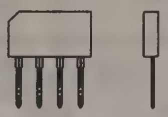
H

1V

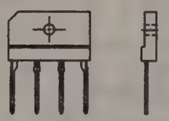
I

1N

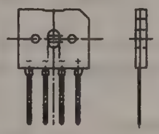
J

1W

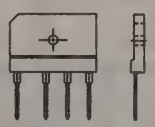
K

SOPA-4

L

1NA

M

2S

N

3S

O

KB

P

5S

SHINDENGEN GENERAL PURPOSE RECTIFIERS

◆Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics						Price Each			
Mfr.	Mfr. Part Number			Io (A)	Cond-itions Ta (°C)	IFSM (A)	VRM (V)	Tstg (°C)	Tj (°C)	VF Max (V)	Con-ditions IF (A)	IR Max VR=VRM (μA)	Θjl Max (°C/W)	Θja Max (°C/W)	Θjc Max (°C/W)	1	100	500	1000
◆627—	DG0R7E40-5063	A	G1F	0.7	64	20	400	-55 to 150	150	1.1	0.7	10	20	120	—	.09	.08	.07	.05
◆627—	M1FE40-5063	B	M1F	1	25	25	400	-55 to 150	150	1.1	1	10	20	108	18	.20	.17	.15	.11
◆627—	M1F60-5063	B	M1F	1	25	25	600	-55 to 150	150	1.1	1	10	20	108	—	.09	.08	.07	.05
◆627—	D1F60-5063	C	1F	1	25	25	600	-55 to 150	150	1.1	1	10	23	108	—	.09	.08	.07	.05
◆627—	M2F60-5063	D	M2F	1.2	51	50	600	-55 to 150	150	0.97	1.2	10	33	90	—	.47	.40	.36	.25
◆627—	D2F60-5063	E	2F	1.4	25	60	600	-55 to 150	150	1.05	1.4	10	24	90	—	.44	.37	.33	.24
◆627—	M3FE40-5063	D	M2F	3	76	75	400	-55 to 150	150	1.1	3	10	25	110	25	.39	.32	.29	.21
◆627—	D3F60-5063	E	2F	3	80	150	600	-55 to 150	150	1.05	3	10	23	80	—	.52	.43	.39	.28
◆627—	M3F60-5063	D	M2F	3	100	90	600	-55 to 150	150	1.05	3	10	16	55	—	.47	.40	.36	.25
◆627—	D4F60-5063	E	2F	4	68	200	600	-55 to 150	150	0.95	4	10	23	80	—	.58	.49	.44	.31

SHINDENGEN BRIDGE RECTIFIERS

◆Surface Mount Device

*UL Recognized (UL File No. E142422)

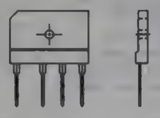
For quantities of 2000 and up, call for quote.

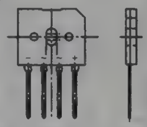
MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics						Price Each			
Mfr.	Mfr. Part Number			Io (A)	Cond-itions Tc (°C)	IFSM (A)	VRM (V)	Tstg (°C)	Tj (°C)	VF Max (V)	Con-ditions IF (A)	IR Max VR=VRM (μA)	Θjl Max (°C/W)	Θja Max (°C/W)	Θjc Max (°C/W)	1	100	500	1000
◆627—	S1YB20-7102	F	1Y	0.4	40	30	200	-40 to 150	150	1.05	0.2	10	—	150	—	.29	.25	.22	.16
◆627—	S1YB60-7102	F	1Y	0.4	40	30	600	-40 to 150	150	1.05	0.2	10	—	150	—	.29	.25	.22	.16
◆627—	S1ZB20-7102	G	1Z	0.8	25	30	200	-40 to 150	150	1.05	0.4	10	20	76	—	.21	.17	.16	.11
◆627—	S1ZB60-7102	G	1Z	0.8	25	30	600	-40 to 150	150	1.05	0.4	10	20	76	—	.17	.14	.13	.09
◆627—	S1ZB80-7102	G	1Z	0.8	25	30	800	-40 to 150	150	1.05	0.4	10	20	76	—	.27	.22	.20	.14
627—	S1VB20-7000	H	1V	1	25	30	200	-40 to 150	150	1.05	0.5	10	16	62	—	.35	.29	.26	.18
◆627—	S1NB20-7101	I	1N	1	25	30	200	-40 to 150	150	1.05	0.5	10	15	68	—	.26	.22	.20	.14
627—	S1VBA20-7000	H	1V	1	25	50	200	-40 to 150	150	1.05	0.5	10	16	62	—	.47	.39	.35	.25
627—	S1VB60-7000	H	1V	1	25	30	600	-40 to 150	150	1.05	0.5	10	16	62	—	.35	.29	.26	.18
◆627—	S1NB60-7101	I	1N	1	25	30	600	-40 to 150	150	1.05	0.5	10	15	68	—	.26	.22	.20	.14
627—	S1VBA60-7000	H	1V	1	25	50	600	-40 to 150	150	1.05	0.5	10	16	62	—	.47	.39	.35	.25
◆627—	S1WBA60B-7062	J	1W	1	25	50	600	-40 to 150	150	1	0.5	10	10	65	—	.29	.24	.21	.15
627—	S1VB80-7000	H	1V	1	25	30	800	-40 to 150	150	1.05	0.5	10	16	62	—	.35	.29	.26	.18
◆627—	S1NB80-7101	I	1N	1	25	30	800	-40 to 150	150	1.05	0.5	10	15	68	—	.26	.22	.20	.14
◆627—	S1WBA80-7062	J	1W	1	25	30	800	-40 to 150	150	1	0.5	10	10	65	—	.29	.24	.21	.15
◆627—	D1UBA80-7062	K	SOPA-4	1	25	30	800	-55 to 150	150	0.95	0.4	10	25	62.5	—	.27	.22	.20	.14
◆627—	S1NBB80-7062	L	1NA	1	26	50	800	-40 to 150	150	1.05	0.5	10	15	68	—	.26	.22	.20	.14
627—	D2SBA20-7000	M	2S	1.5	25	60	200	-40 to 150	150	1.05	0.75	10	10	47	—	.50	.41	.37	.26
627—	D2SB20-7000	M	2S	1.5	25	80	200	-40 to 150	150	1.05	0.75	10	10	47	—	.54	.45	.41	.29
627—	D2SBA60-7000	M	2S	1.5	25	60	600	-40 to 150	150	1.05	0.75	10	10	47	—	.50	.41	.37	.26
◆627—	S1NBC60-7062	L	1NA	1.5	105	60	600	-55 to 150	150	1.05	0.75	10	15	68	—	.27	.22	.20	.14
627—	D2SB60-7000	M	2S	1.5	25	80	600	-40 to 150	150	1.05	0.75	10	10	47	—	.54	.45	.41	.29
627—	D2SB60L-7000	M	2S	1.5	25	120	600	-40 to 150	150	1.05	0.75	10	10	47	—	.64	.54	.48	.34
◆627—	S1NBC80-7062	L	1NA	1.5	105	60	800	-55 to 150	150	1.05	0.75	10	15	68	—	.27	.22	.20	.14
627—	D2SB80-7000	M	2S	1.5	25	80	800	-40 to 150	150	1.05	0.75	10	10	47	—	.54	.45	.41	.29
627—	D2SB60A-7000	M	2S	2	115	120	600	-40 to 150	150	0.95	1	10	10	47	—	.57	.48	.43	.30
627—	D2SB80A-7000	M	2S	2	115	120	800	-40 to 150	150	0.95	1	10	10	47	—	.57	.48	.43	.30
*627—	D3SBA20-7100	N	3S	4	108	80	200	-40 to 150	150	1.05	2	10	6	30	5.5	.77	.64	.58	.41
*627—	D3SB20-7000	N	3S	4	108	120	200	-40 to 150	150	1.05	2	10	6	30	5.5	.77	.65	.58	.41
*627—	D3SBA60-7100	N	3S	4	108	80	600	-40 to 150	150	1.05	2	10	6	30	5.5	.77	.64	.58	.41
*627—	D3SB60-7000	N	3S	4	108	120	600	-40 to 150	150	1.05	2	10	6	30	5.5	.77	.65	.58	.41
*627—	D4SB60L-7000	N	3S	4	111	150	600	-40 to 150	150	0.95	2	10	6	30	5.5	.90	.75	.68	.48
*627—	D3SB80-7000	N	3S	4	108	120	800	-40 to 150	150	1.05	2	10	6	30	5.5	.94	.78	.70	.50
*627—	US4KB80R-7000	O	KB	4	125	130	800	-55 to 150	150	1	2	10	5	35	3.5	.54	.45	.41	.29
*627—	D4SB80-7000	N	3S	4	108	150	800	-40 to 150	150	0.95	2	10	6	30	5.5	.81	.67	.61	.43
*627—	D5SBA20-7000	P	5S	6	110	120	200	-40 to 150	150	1.05	3	10	5	26	3.4	.87	.73	.65	.47
*627—	D5SB20-7000	P	5S	6	110	170	200	-40 to 150	150	1.05	3	10	5	26	3.4	.99	.83	.74	.53
*627—	D5SBA60-7000	P	5S	6	110	120	600	-40 to 150	150	1.05	3	10	5	26	3.4	.87	.73	.65	.47
*627—	D5SB60-7000	P	5S	6	110	170	600	-40 to 150	150	1.05	3	10	5	26	3.4	.99	.83	.74	.53
*627—	D6SB60L-7000	P	5S	6	112	170	600	-40 to 150	150	1.05	3	10	5	26	3.4	1.04	.87	.78	.56
*627—	US6KB80R-7000	O	KB	6	116	165	800	-55 to 150	150	1	3	10	5	35	3.0	.56	.47	.42	.30
*627—	D5SB80-7000	P	5S	6	110	170	800	-40 to 150	150	1.05	3	10	5	26	3.4	.99	.83	.74	.53
*627—	D6SB80-7000	P	5S	6	110	170	800	-40 to 150	150	1.05	3	10	5	26	3.4	1.07	.89	.80	.57
*627—	US8KB80R-7000	O	KB	8	108	200	800	-55 to 150	150	1	4	10	5	35	2.8	.73	.61	.55	.39
*627—	D10XB20-7100	N	3S	10	100	120	200	-40 to 150	150	1.1	5	10	6	26	2.3	1.25	1.04	.93	.66
*627—	D10XB20H-7100	N	3S	10	112	170	200	-40 to 150	150	1.05	5	10	6	26	1.9	1.36	1.13	1.02	.73
*627—	D10XB60-7100	N	3S	10	100	120	600	-40 to 150	150	1.1	5	10	6	26	2.3	1.25	1.04	.93	.66
*627—	D10XB60H-7100	N	3S	10	112	170	600	-40 to 150	150	1.05	5	10	6	26	1.9	1.36	1.13	1.02	.73
*627—	D10XB80-7100	N	3S	10	100	120	800	-40 to 150	150	1.1	5	10	6	26	2.3	1.25	1.04	.93	.66
*627—	US10KB80R-7000	O	KB	10	100	150	800	-55 to 150	150	1.1	5	10	5	35	2.5	.71	.60	.54	.38

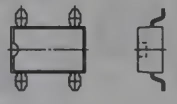
SHINDENGEN Diodes and Rectifiers

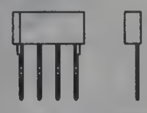
Shindengen America, Inc.

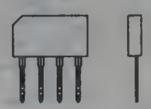
RoHS Compliant This page of product is compliant.

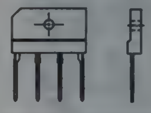
A

5S

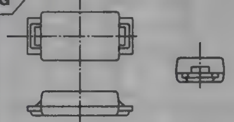
B

KB

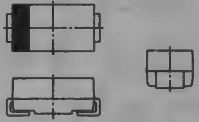
C

1W

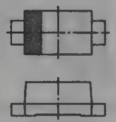
D

G1F

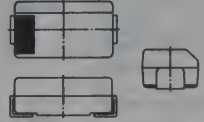
E

1V

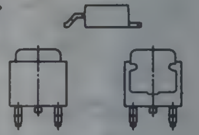
F

3S

G

G1F

H

1F

I

M1F

J

2F

K

E-PACK

SHINDENGEN BRIDGE RECTIFIERS (CONT.)

* UL Recognized (UL File No. E142422)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics						Price Each			
Mfr.	Mfr. Part Number			Io (A)	Cond-itions Tc (°C)	IFSM (A)	VRM (V)	Tstg (°C)	Tj (°C)	VF Max (V)	Con-ditions IF (A)	IR Max VR=VRM (μA)	Θjl Max (°C/W)	Θja Max (°C/W)	Θjc Max (°C/W)	1	100	500	1000
*627	D15XB20-7000	A	5S	15	100	200	200	-40 to 150	150	1.1	7.5	10	5	22	1.5	1.28	1.06	.96	.68
*627	D15XB20H-7000	A	5S	15	107	240	200	-40 to 150	150	1.05	7.5	10	5	22	1.5	1.50	1.25	1.13	.80
*627	D15XB60-7000	A	5S	15	100	200	600	-40 to 150	150	1.1	7.5	10	5	22	1.5	1.28	1.06	.96	.68
*627	D15XB60H-7000	A	5S	15	107	240	600	-40 to 150	150	1.05	7.5	10	5	22	1.5	1.50	1.25	1.13	.80
*627	D15XB80-7000	A	5S	15	100	200	800	-40 to 150	150	1.1	7.5	10	5	22	1.5	1.50	1.25	1.13	.80
*627	US15KB80R-7000	B	KB	15	101	200	800	-55 to 150	150	1.1	7.5	10	5	35	1.5	.83	.69	.62	.44
*627	D20XB60-7000	A	5S	20	87	240	600	-40 to 150	150	1.1	10	10	5	22	1.5	1.28	1.06	.96	.68
*627	D20XB80-7000	A	5S	20	87	240	800	-40 to 150	150	1.1	10	10	5	22	1.5	1.28	1.06	.96	.68
*627	D25XB20-7000	A	5S	25	98	350	200	-40 to 150	150	1.05	12.5	10	5	22	1.0	1.39	1.16	1.04	.74
*627	D25XB60-7000	A	5S	25	98	350	600	-40 to 150	150	1.05	12.5	10	5	22	1.0	1.39	1.16	1.04	.74
*627	D25XB80-7000	A	5S	25	98	350	800	-40 to 150	150	1.05	12.5	10	5	22	1.0	1.39	1.16	1.04	.74
*627	US30KB80R-7000	B	KB	30	97	350	800	-55 to 150	150	1.1	15	10	5	35	0.8	1.13	.94	.84	.60
*627	D50XB80-7000	B	KB	50	95	600	800	-40 to 150	150	1.05	25	10	- - - - -	16	0.5	14.73	12.28	11.05	7.86

LOW NOISE BRIDGE DIODES

◆Surface Mount Device

* UL Recognized (UL File No. E142422)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics							Price Each			
Mfr.	Mfr. Part Number			Io (A)	Cond-itions Tc (°C)	IFSM (A)	VRM (V)	Tstg (°C)	Tj (°C)	VF Max (V)	Con-ditions IF (A)	IR Max VR=VRM (μA)	trr (Max) (μS)	Θjl Max (°C/W)	Θja Max (°C/W)	Θjc Max (°C/W)	1	100	500	1000
◆627	LN1WBA60-7102	C	1W	1.1	25	50	600	-40 to 150	150	1	0.55	10	5	10	65	---	.49	.41	.37	.26
627	LN1VB60-7000	D	1V	1.2	25	50	600	-40 to 150	150	1	0.6	10	5	16	62	---	.51	.43	.38	.27
627	LN2SB60-7000	E	2S	1.6	25	120	600	-40 to 150	150	1	0.8	10	5	10	47	---	.78	.65	.58	.41
*627	LN4SB60-7000	F	3S	4	111	150	600	-40 to 150	150	0.95	2	10	5	6	30	5.5	.99	.82	.74	.53
*627	LN6SB60-7000	A	5S	6	111	170	600	-40 to 150	150	1.05	3	10	5	5	26	3.4	1.33	1.11	1.00	.71
627	LN15XB60-7000	A	5S	15	100	200	600	-55 to 150	150	1.1	7.5	10	5	5	23	1.5	1.71	1.43	1.28	.91
627	LN15XB60H-7000	A	5S	15	106	290	600	-55 to 150	150	1.05	7.5	10	5	5	23	1.5	1.96	1.63	1.47	1.04
627	LN25XB60-7000	A	5S	25	85	350	600	-55 to 150	150	1.05	12.5	10	5	5	23	1.3	2.62	2.18	1.96	1.40

SCHOTTKY BARRIER DIODES

◆Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics							Price Each			
Mfr.	Mfr. Part Number			VRM (V)	Io (A)	Cond-itions Tc (°C)	IFSM (A)	Tstg (°C)	Tj (°C)	VF Max (V)	Con-ditions IF (A)	IR Max VR=VRM (μA)	Cj (Typ) (pF)	Θjl Max (°C/W)	Θja Max (°C/W)	Θjc Max (°C/W)	1	100	500	1000
◆627	DG1H3-5063	G	G1F	30	1	113	20	-55 to 125	125	0.36	0.7	1	37	25	70	22	.18	.15	.13	.09
◆627	DG1M3-5063	G	G1F	30	1	27	20	-55 to 150	150	0.46	0.7	0.05	36	25	70	22	.17	.14	.13	.091
◆627	DG1S4-5063	G	G1F	40	1	36	30	-55 to 150	150	0.55	0.7	0.8	37	20	70	---	.15	.12	.11	.078
◆627	DG1S6-5063	G	G1F	60	1	30	30	-55 to 150	150	0.58	0.7	1	32	20	70	---	.16	.13	.12	.09
◆627	DG1J10A-5063	G	G1F	100	1	125	30	-55 to 150	150	0.82	1	0.1	43	20	70	---	.20	.16	.15	.10
◆627	D1FJ10-5063	H	1F	100	1	59	50	-55 to 150	150	0.72	1	0.2	63	23	108	---	.36	.30	.27	.19
◆627	D1FS4-5063	H	1F	40	1.1	51	30	-55 to 150	150	0.55	1.1	1	65	23	108	---	.24	.20	.18	.13
◆627	D1FS6-5063	H	1F	60	1.1	25	40	-55 to 150	150	0.58	1.1	1	50	23	108	---	.21	.17	.16	.11
◆627	M1FS6-5063	I	M1F	60	1.2	25	40	-55 to 150	150	0.58	1.1	1	53	20	108	---	.31	.26	.23	.17
◆627	M1FP3-5063	I	M1F	30	1.29	25	30	-55 to 125	125	0.35	0.4	2.5	90	20	108	---	.23	.19	.17	.12
◆627	M1FS4-5063	I	M1F	40	1.33	25	30	-55 to 150	150	0.55	1.1	0.8	50	20	108	---	.22	.18	.16	.12

SCHOTTKY BARRIER DIODES

◆Surface Mount Device

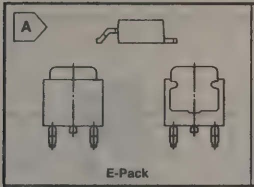
For quantities of 2000 and up, call for quote.

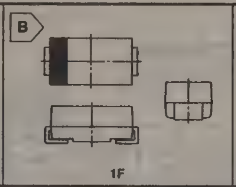
MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics							Price Each			
Mfr.	Mfr. Part Number			VRM (V)	Io (A)	Cond-itions Tc (°C)	IFSM (A)	Tstg (°C)	Tj (°C)	VF Max (V)	Con-ditions IF (A)	IR Max VR=VRM (μA)	Cj (Typ) (pF)	Θjl Max (°C/W)	Θja Max (°C/W)	Θjc Max (°C/W)	1	100	500	1000
◆627	DG1N15A-5063	G	G1F	150	1.5	5	5	-55 to 150	150	0.88	1.4	0.05	5	20	70	---	.20	.17	.15	.11
◆627	DG1H3A-5063	G	G1F	30	1.5	107	30	-55 to 125	125	0.36	1.4	1	70	25	70	22	.21	.17	.16	.11
◆627	DG1M3A-5063	G	G1F	30	1.5	37	30	-55 to 150	150	0.46	1.5	0.05	70	25	70	22	.20	.17	.15	.11
◆627	M1FH3-5063	I	M1F	30	1.5	105	30	-55 to 125	125	0.3	0.5	1	80	20	80	18	.31	.26	.23	.17
◆627	M1FJ4-5063	I	M1F	40	1.5	31	30	-55 to 150	150	0.57	1	0.05	65	20	108	---	.24	.20	.18	.13
◆627	D1FS4A-5063	H	1F	40	1.5	28	60	-55 to 150	150	0.45	1.1	2	95	23	108	---	.42	.35	.31	.22
◆627	D2FS6-5063	J	2F	60	1.5	31	60	-55 to 150	150	0.58	2	2	120	24	90	---	.54	.45	.40	.29
◆627	D2FS4-5063	J	2F	40	1.6	34	60	-55 to 150	150	0.55	1.6	2.5	150	24	90	—	.53	.44	.39	.28
◆627	D1FJ4-5063	H	1F	40	2	117	50	-55 to 150	150	0.57	1.5	0.2	96	23	108	---	.34	.28	.25	.18
◆627	D1FP3-5063	H	1F	30	2	98	60	-55 to 125	125	0.4	2	4.5	130	23	108	---	.25	.21	.19	.13
◆627	D3FS4A-5063	J	2F	40	2.6	34	150	-55 to 150	150	0.45	2.6	5	340	23	80	—	.66	.55	.50	.35
◆627	M1FM3-5063	I	M1F	30	3	100	30	-55 to 150	150	0.4	0.5	0.05	80	20	80	18	.25	.21	.18	.13
◆627	D1FH3-5063	H	1F	30	3	95	60	-55 to 125	125	0.3	1	1	130	18	65	16	.34	.28	.25	.18
◆627	DE3S4M-7101	K	E-Pack	40	3	121	70	-40 to 150	150	0.55	3	2.5	150	---	55	12	.71	.59	.53	.38
◆627	D3FS6-5063	J	2F	60	3	87	80	-55 to 150	150	0.58	3	2.5	130	24	90	---	.55	.46	.41	.29
◆627	DE3S6M-7101	K	E-Pack	60	3	117	80	-40 to 150	150	0.58	3	2.5	130	---	55	12	.72	.60	.54	.38
◆627	D3FJ10-5063	J	2F	100	3	92	100	-55 to 150	150	0.74	3	0.4	143	23	115	---	.55	.46	.41	.29
◆627	D3FP3-5063	J	2F	30	3	74	150	-55 to 125	125	0.4	3	10	300	24	90	---	.63	.53	.47	.34

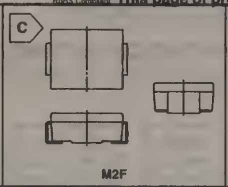
SHINDENGEN Diodes, SIDACs & Surge Absorbers

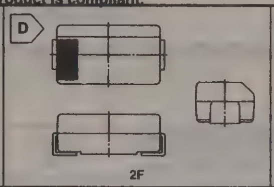
Shindengen America, Inc.

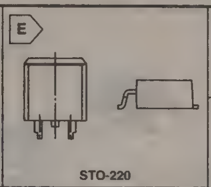
RoHS Compliant This page of product is compliant.

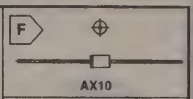


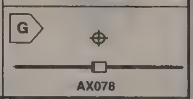












SCHOTTKY BARRIER DIODES (CONT.)

◆ Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics							Price Each			
Mfr.	Mfr. Part Number			VRM (V)	Io (A)	Conditions Tc (°C)	IFSM (A)	Tstg (°C)	Tj (°C)	VF Max (V)	Conditions IF (A)	IR Max VR=VRM (µA)	Cj (Typ) (pF)	Θjl Max (°C/W)	Θja Max (°C/W)	Θjc Max (°C/W)	1	100	500	1000
◆ 627	DE5S4M-7101	A	E-Pack	40	5	101	80	-40 to 150	150	0.55	5	3.5	180	---	55	12	.79	.66	.59	.42
◆ 627	D1FM3-5063	B	1F	30	5	83	90	-55 to 150	150	0.4	1	0.1	130	18	65	16	.34	.28	.25	.18
◆ 627	DE5S6M-7101	A	E-Pack	60	5	96	90	-40 to 150	150	0.58	5	4.5	200	---	55	12	.81	.67	.61	.43
◆ 627	M2FH3-5063	C	M2F	30	6	70	110	-55 to 125	125	0.3	2	4	240	16	55	14	.74	.62	.56	.40
◆ 627	M2FM3-5063	C	M2F	30	6	99	120	-55 to 150	150	0.4	2	0.2	240	16	55	14	.64	.54	.48	.34
◆ 627	DE10P3-7101	A	E-Pack	30	10	95	200	-55 to 125	125	0.4	8	25	600	---	---	4	1.08	.90	.81	.58
◆ 627	DE10SC3L-7101	A	E-Pack	30	10	124	100	-55 to 150	150	0.45	4	5mA	290	---	---	4	1.07	.89	.80	.57

SUPER FAST RECOVERY DIODES

◆ Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics							Price Each			
Mfr.	Mfr. Part Number			VRM (V)	Io (A)	Conditions Tc (°C)	IFSM (A)	Tstg (°C)	Tj (°C)	VF Max (V)	Conditions IF (A)	IR Max VR=VRM (µA)	trr (Max) (ns)	Θjl Max (°C/W)	Θja Max (°C/W)	Θjc Max (°C/W)	1	100	500	1000
◆ 627	D1FK60-5063	B	1F	600	0.8	29	20	-55 to 150	150	1.3	0.8	10	75	23	108	---	.20	.16	.15	.10
◆ 627	D1FL40-5063	B	1F	400	0.8	25	25	-55 to 150	150	1.3	0.8	10	50	23	108	---	.24	.20	.18	.13
◆ 627	D1FK70-5063	B	1F	700	0.8	32	25	-55 to 150	150	1.3	0.8	10	400	23	108	---	.17	.14	.13	.091
◆ 627	M1FL40-5063	B	M1F	400	1	25	25	-55 to 150	150	1.3	1	10	50	20	80	18	.29	.24	.22	.15
◆ 627	D1FL20U-5063	B	1F	200	1.1	25	20	-55 to 150	150	0.98	1.1	10	35	23	108	---	.32	.27	.24	.17
◆ 627	M1FL20U-5063	B	M1F	200	1.1	25	30	-55 to 150	150	0.98	1.1	10	35	20	108	---	.20	.17	.15	.11
◆ 627	D2FL40-5063	D	2F	400	1.3	25	40	-40 to 150	150	1.3	1.3	10	50	24	90	---	.72	.60	.54	.38
◆ 627	D2FK60-5063	D	2F	600	1.5	101	40	-55 to 150	150	1.3	1.5	10	75	24	90	---	.43	.36	.32	.23
◆ 627	D2FL20U-5063	D	2F	200	1.5	25	50	-55 to 150	150	0.98	1.5	10	35	24	90	---	.58	.49	.44	.31
◆ 627	DE3L40-7101	A	E-Pack	400	3	99	50	-55 to 150	150	1.3	3	10	50	---	55	12	.82	.68	.61	.44
◆ 627	DE3L20U-7101	A	E-Pack	200	3	113	60	-55 to 150	150	0.98	3	10	35	---	55	12	.90	.75	.67	.48
◆ 627	DE5L60-7101	A	E-Pack	600	5	57	60	-55 to 150	150	2	5	10	50	---	125	12	1.02	.85	.77	.54
◆ 627	DF10L60-7102	E	STO-220	600	10	105	100	-55 to 150	150	1.9	10	10	50	---	---	2	2.21	1.84	1.65	1.18
◆ 627	DF20L60U-7102	E	STO-220	600	20	93	160	-55 to 150	150	3	20	25	35	---	---	0.9	2.59	2.16	1.94	1.38
◆ 627	DF20L60-7102	E	STO-220	600	20	84	170	-55 to 150	150	1.9	20	25	70	---	---	1.5	2.83	2.36	2.12	1.51

SHINDENGEN SIDACs

Bi-Directional

◆ Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings							Electrical Characteristics					Price Each			
Mfr.	Mfr. Part Number			VDRM (V)	IT (A)	Conditions TI (°C)	ITSM (A)	ITRM @1 kHz (A)	diT/dt (A/µS)	VBO (V)	IDRM (Max) (µA)	Conditions VD (V)	IBO (Max) (mA)	IH (Typ) (mA)	VT (Max) @ IT 1A (V)	1	100	500	1000
627	K1V11-4060	F	AX10	90	1	112	20	25	80	104 to 118	10	90	0.5	50	1.5	.96	.80	.72	.51
627	K1V12-4060	F	AX10	90	1	112	20	25	80	110 to 125	10	90	0.5	50	1.5	.96	.80	.72	.51
627	K1V14-4060	F	AX10	115	1	109	20	25	80	125 to 150	10	115	0.5	30	1.5	.96	.80	.72	.51
627	K1V22-4060	F	AX10	180	1	108	20	25	80	200 to 230	10	180	0.5	20	1.5	1.06	.89	.80	.57
627	K1V22W-4060	F	AX10	180	1	91	16	17	80	200 to 230	10	180	0.5	50	3	1.11	.93	.83	.59
627	K1V24-4060	F	AX10	180	1	108	20	25	80	220 to 250	10	180	0.5	20	1.5	1.06	.89	.80	.57
627	K1V24W-4060	F	AX10	180	1	91	16	17	80	220 to 250	10	180	0.5	50	3	1.16	.97	.87	.62
627	K1V26-4060	F	AX10	180	1	108	20	25	80	240 to 270	10	180	0.5	20	1.5	1.06	.89	.80	.57
627	K1V26W-4060	F	AX10	180	1	91	16	17	80	240 to 270	10	180	0.5	50	3	1.25	1.05	.94	.67

Uni-Directional

◆ Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics					Price Each			
Mfr.	Mfr. Part Number			VDRM(A) (V)	IT (A)	Conditions TI (°C)	ITRM @60 Hz (A)	diT/dt (A/µS)	VBO (V)	IDRM(A) (Max) (µA)	Conditions VD (V)	IBO(A) (Max) (mA)	IH(A)/IHK(A) (Max) (mA)	VT(A)/ VT(K) (Max)@IT 1A (V)	1	100	500	1000
627	G1VB20C-4000	G	AX078	170	1	102	120	220	190 to 210	10	170	0.5	60	1.5	.56	.47	.42	.30
627	G1VB22C-4000	G	AX078	190	1	102	120	80	210 to 230	10	190	0.5	60	1.5	.56	.47	.42	.30
627	G1VB23C-4000	G	AX078	200	1	102	120	220	220 to 240	10	200	0.5	60	1.5	.56	.47	.42	.30
627	G1VB24C-4000	G	AX078	210	1	102	120	220	230 to 250	10	210	0.5	60	1.5	.56	.47	.42	.30

SHINDENGEN TRANKILLERS

◆ Surface Mount Device

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics					Price Each			
Mfr.	Mfr. Part Number			PRSM (W)	Tstg (°C)	Tj (°C)	VRM (V)	VBR (Std) (V)	Conditions IF (A)	IR (Max) (µA)	Conditions VR (V)	IZ (Max) (%/°C)	VCL (Max) (V)	Conditions IPP (A)	1	100	500	1000
◆ 627	ST0358F1-5063	B	1F	300	-55 to 150	150	45	58	1	5	45	---	---	---	.33	.28	.25	.18
◆ 627	ST0368F1-5063	B	1F	300	-55 to 175	175	58	68	1	5	58	---	100	3	.33	.28	.25	.18
◆ 627	ST0416F1-5063	B	1F	400	-55 to 175	175	13.6	16	1	5	13.6	---	23	15	.21	.18	.16	.11
◆ 627	ST0418F1-5063	B	1F	400	-55 to 175	175	15.3	18	1	5	15.3	---	26	15	.17	.14	.13	.09
◆ 627	ST0427F1-5063	B	1F	400	-55 to 175	175	23	27	1	5	23	---	37	10	.21	.17	.16	.11
◆ 627	ST50V27F-7072	E	STO-220	5000	-40 to 150	150	23	27	1	5	23	0.09	40	130	2.21	1.84	1.65	1.18
◆ 627	ST7027F-7072	E	STO-220	7000	-40 to 150	150	23	27	1	5	23	0.09	40	180	2.03	1.69	1.52	1.08

SHINDENGEN THYRISTOR SURGE SUPPRESSORS

◆ Surface Mount Device

For quantities of 2000 and up, call for quote.

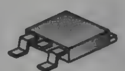
MOUSER STOCK NO.		Fig.	Package	Absolute Max Ratings						Electrical Characteristics			Price Each			
Mfr.	Mfr. Part Number			ITSM (A)	Conditions (µS)	VDRM (V)	VBO (Min) (V)	VCL (Max) (V)	IDRM (Max) (µA)	Conditions VD (V)	IH (Min) (mA)	Cj (Max) (pF)	1	100	500	1000
◆ 627	KU5R29N-5063	C	M2F	50	10/1000	250	275	400	5	250	100	70	.66	.55	.50	.35
◆ 627	KU10R23N-5063	C	M2F	100	10/1000	190	200	260	5	190	100	90	.94	.78	.70	.50
◆ 627	KU10R29N-5063	C	M2F	100	10/1000	250	275	400	5	250	100	90	.71	.59	.53	.38
◆ 627	KU10S35N-5063	C	M2F	100	10/1000	275	310	450	5	275	100	90	.71	.60	.54	.38
◆ 627	KU10S40N-5063	C	M2F	100	10/1000	300	350	500	5	300	100	60	.88	.74	.66	.47

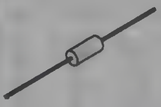
STMICROELECTRONICS Rectifiers

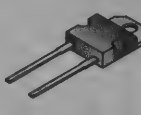
Products may be RoHS compliant.
Check mouser.com for RoHS status.

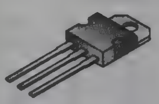
STMicroelectronics

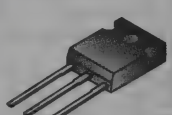
DO-214AA

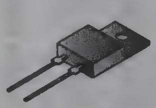

TO-252

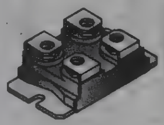

F-126/DO-201AD

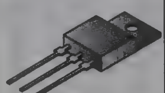

TO-220AC

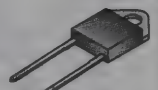

TO-220AB


TO-247

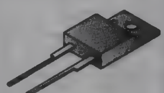

TO-220FPAC


ISOTOP

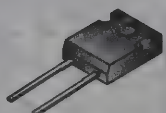

TO-220FPAB


DOP-3I

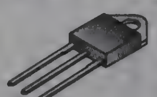
DO-214AC


ISOWATT220AC

DO-41


DO-247

SMC


TOP-3

STMICROELECTRONICS FAST RECOVERY RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Case Type	VRMM Max. (V)	IF (AV) Typ. (A)	VF @ IF Max. (V)	trr Typ./Max. (ns)	tfr Typ./Max. (ns)	IFSM Max. (A)	Price Each			
Mfr.	Mfr. Part Number								1	10	100	250
Surface Mount												
511	SMBYW01-200	DO-214AA	200	1.0	0.9	25/35	----/25	60	.16	.14	.13	.12
511	SMBYW02-200	DO-214AA	200	2.0	0.85	26/35	30/----	50	.21	.19	.17	.16
511	STPR1020CB	TO-252	200	2 X 5	1.2	----/30	20/----	50	.80	.78	.72	.66
Thru Hole												
511	BYW100-200	F-126	200	1.5	1.2	----/35	30/----	50	.16	.14	.13	.12
511	BYW98-200	DO-201AD	200	3.0	1.2	----/35	20/----	70	.37	.34	.31	.29
511	STPR820D	TO-220AC	200	8.0	0.99	----/30	20/----	80	.43	.40	.36	.34
511	BYW29-200	TO-220AC	200	8.0	1.15	----/25	15/----	80	.78	.66	.59	.54
511	BYW80-200	TO-220AC	200	10.0	1.15	----/25	15/----	100	.62	.61	.56	.52
511	STPR1020CT	TO-220AB	200	2 X 5	1.25	----/30	20/----	50	.90	.88	.81	.75
511	BYW99W-200	TO-247	200	15.0	1.15	----/25	15/----	200	3.36	2.67	2.09	1.71
511	STPR1620CT	TO-220AB	200	2 X 8	1.25	----/30	20/----	80	.68	.67	.62	.57
511	BYW51-200	TO-220AB	200	2 X 10	1.15	----/25	15/----	100	.70	.69	.63	.58
511	BYV54V-200	ISOTOP	200	2 X 50	1	----/40	10/----	2000	18.66	17.14	13.14	12.38
511	BYV541V-200	ISOTOP	200	2 X 50	1.15	----/40	10/----	2000	18.66	17.14	13.14	12.38
511	BYV255V-200	ISOTOP	200	2 X 100	1.15	----/80	10/----	3200	32.17	27.68	24.31	23.75
511	STTH2003CT	TO-220AB	300	2 X 10	1.25	----/25	----/230	110	1.47	1.45	1.34	1.23
511	STTH3003CW	TO-247	300	2 X 15	1	----/30	----/300	140	3.05	3.01	2.62	2.27
511	STTH6003CW	TO-247	300	2 X 30	1	----/55	----/350	300	3.67	3.61	3.15	2.72
511	BYT01-400	F-126	400	1.0	1.5	----/55	----/----	30	.12	.11	.10	.09
511	BYT03-400	DO-201AD	400	3.0	1.5	----/55	----/----	60	.29	.27	.24	.22
511	BYT08P-400	TO-220AC	400	8.0	1.5	----/75	----/----	100	1.25	1.23	1.14	1.04
511	BYT261PIV-400	ISOTOP	400	2 X 60	1.5	----/100	----/----	600	17.70	15.23	13.38	13.07
511	BYT12P-1000	TO-220AC	1000	12.0	1.9	----/155	----/----	75	3.44	2.92	2.58	2.37
511	BYT30PI-1000	DOP-3I	1000	30.0	1.9	----/165	----/----	200	7.92	7.80	6.80	5.88
511	BYT230PIV-1000	ISOTOP	1000	2 X 30	1.9	----/165	----/----	200	17.64	16.20	12.42	11.70
511	BYT261PIV-1000	ISOTOP	1000	2 X 60	1.5	----/100	----/----	600	29.24	25.16	22.10	21.59

STMICROELECTRONICS ULTRA FAST RECOVERY RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Case Type	VRMM Max. (V)	IF (AV) Typ. (A)	VF @ IF Max. (V)	trr Typ./Max. (ns)	tfr Typ./Max. (ns)	IFSM Max. (A)	Price Each			
Mfr.	Mfr. Part Number								1	10	100	250
Surface Mount												
511	STTH102A	DO-214AC	200	1.0	0.78	----/20	----/----	40	.14	.13	.11	.10
511	STTH1R06U	DO-214AA	600	1.0	1.7	----/25	----/100	20	.18	.16	.15	.14
511	STTA506B	TO-252	600	5.0	1.75	20/50	----/500	55	1.70	1.45	1.28	1.18
511	STTA1206G	TO-252	600	12.0	1.75	28/55	----/500	110	1.79	1.76	1.62	1.49
511	STTH212S	SMC	1200	2.0	1.50	----/75	----/500	40	.64	.63	.58	.53
Thru Hole												
511	STTH302	DO-201AD	200	3.0	.95	----/35	70/----	130	.21	.19	.17	.16
511	STTH60P03SW	TO-247	300	60.0	1.5	----/----	----/----	250	1.59	1.56	1.44	1.32
511	STTH2R06-TR	DO-41	600	2.0	1.7	35/50	----/100	40	.23	.21	.19	.18
511	STTH3L06	DO-201AD	600	3.0	1.3	60/85	----/100	80	.31	.28	.26	.24
511	STTH3R06	DO-201AD	600	3.0	1.7	----/30	----/100	55	.37	.34	.31	.29
511	STTH8R06D	TO-220AC	600	8.0	2.9	----/25	----/150	80	1.23	1.21	1.12	1.03
511	STTH16L06CFP	TO-220FPAB	600	2 X 8	1.8	----/35	----/200	90	1.11	1.10	1.01	.93
511	STTA1206D	TO-220AC	600	12.0	1.75	28/55	----/500	110	.90	.88	.81	.75
511	STTH12R06D	TO-220AC	600	12.0	2.9	----/25	----/200	100	1.13	1.12	1.03	.95
511	STTH12R06DI	TO-220AC	600	12.0	2.9	----/25	----/200	100	1.19	1.17	1.08	.99
511	STTH15L06FP	TO-220FPAC	600	15.0	1.55	----/55	----/300	130	1.11	1.10	1.01	.93
511	STTH30R06D	TO-220AC	600	30.0	1.85	50/70	----/500	160	1.05	1.04	.96	.88
511	STTH30R06W	DO-247	600	30.0	1.85	50/70	----/500	160	1.09	1.08	.99	.91
511	STTH3006TPI	TOP-3	600	30.0	3.6	25/----	----/400	180	4.95	4.88	4.25	3.68
511	STTA3006CW	TO-247	600	2 X 15	1.8	35/65	----/500	230	3.71	3.65	3.18	2.75
511	STTH30R06CW	TO-247	600	2 X 15	2.9	----/30	----/200	120	3.17	3.12	2.72	2.36
511	STTH200L06TV1	ISOTOP	600	2 X 120	1.55	----/80	----/700	800	25.80	22.20	19.50	19.05
511	STTA512FP	TO-220FPAC	1200	5.0	2.2	45/95	----/900	45	.76	.75	.69	.63
511	STTA812DI	DO-220AC	1200	8.0	2	50/100	----/900	70	2.18	2.15	1.87	1.62
511	STTA1212D	TO-220AC	1200	12.0	2	50/100	----/900	100	1.69	1.66	1.53	1.41

STMICROELECTRONICS Rectifiers

STMicroelectronics

Products may be RoHS compliant.
Check mouser.com for RoHS status.

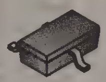
DO-216AA

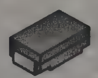
SOD-123-2L

DO-214AA

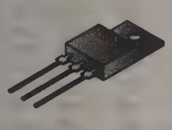
TO-252/TO-263

SOT-23

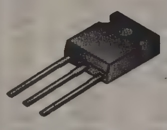

SOT-323


DO-214AC

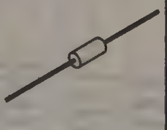
DO-214AB

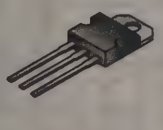

TO-220FPAB

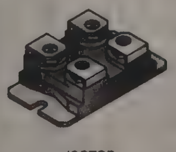
TO-220AC


TO-247

MAX247


DO-35/DO-41/DO-201AD


TO-220AB


ISOTOP

STMICROELECTRONICS SCHOTTKY RECTIFIERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Case Type	VRMM Max. (V)	IF Max. (A)	VF @ IF Max. (V)	Tj Max. (C)	IFSM Max. (A)	Price Each			
Mfr. Mfr. Part No.							1	10	100	250
Surface Mount										
511—STPS0520M	DO-216AA	20	0.5	0.33	5.5	150	.18	.16	.15	.14
511—STPS0520Z	SOD-123-2L	20	0.5	0.3	5.5	125	.27	.25	.22	.21
511—BAR42FILM	SOT-23	30	0.1	1	0.75	150	.09	.08	.07	.06
511—BAR43FILM	SOT-23	30	0.1	1	0.75	150	.09	.08	.07	.06
511—BAR43AFILM	SOT-23	30	0.1	1	0.75	150	.08	.07	.06	.06
511—BAR43CFILM	SOT-23	30	0.1	1	0.75	150	.09	.08	.07	.06
511—BAR43SFILM	SOT-23	30	0.1	1	0.75	150	.09	.08	.07	.06
511—BAT54FILM	SOT-23	30	0.3	0.9	1	150	.21	.19	.17	.16
511—BAT54AWFILM	SOT-323	30	0.3	0.9	1	150	.08	.07	.06	.06
511—BAT54CFILM	SOT-23	30	0.3	0.9	1	150	.09	.08	.07	.06
511—BAT54SFILM	SOT-23	30	0.3	0.9	1	150	.09	.08	.07	.06
511—STPS1L30U	DO-214AA	30	1	0.3	75	150	.16	.14	.13	.12
511—STPS15L30CB	TO-252	30	2 X 7.5	0.57	75	150	.99	.98	.90	.83
511—STPS140U	DO-214AA	40	1	0.5	60	150	.16	.15	.13	.12
511—STPS140A	DO-214AC	40	1	0.55	60	150	.14	.13	.11	.10
511—STPS2L40U	DO-214AA	40	2	0.34	75	150	.41	.38	.34	.32
511—STPS340B	TO-252	40	3	0.63	75	150	.74	.73	.67	.62
511—STPS340S	DO-214AB	40	3	0.63	75	150	.29	.27	.24	.22
511—STPS340U	DO-214AA	40	3	0.63	75	150	.31	.28	.26	.24
511—STPS640CB	TO-252	40	2 X 3	0.63	75	150	.98	.96	.89	.81
511—STPS15L45CB	TO-252	45	2 X 7.5	0.64	75	150	.54	.53	.49	.45
511—STPS1545CG	TO-263	45	2 X 7.5	0.84	150	175	.90	.88	.81	.75
511—STPS160A	DO-214AC	60	1	0.67	75	150	.33	.30	.28	.26
511—STPS15L60CB	TO-252	60	2 X 7.5	0.82	75	150	.99	.98	.90	.83
511—STPS41L60CG	TO-263	60	2 X 20	0.77	220	150	2.18	2.15	1.87	1.62
511—BAR18FILM	SOT-23	70	0.15	0.41	- - - - -	150	.10	.09	.08	.08
511—BAS70-04FILM	SOT-23	70	0.15	0.41	- - - - -	150	.08	.07	.06	.06
511—BAS70-05FILM	SOT-23	70	0.15	0.41	- - - - -	150	.11	.10	.09	.08
511—STPS1H100U	DO-214AA	100	1	0.77	50	175	.68	.67	.62	.57
511—STPS5H100B	TO-252	100	5	0.61	75	175	1.07	1.06	.98	.90
511—STPS8H100G	TO-263	100	8	0.58	250	175	.99	.98	.90	.83
511—STPS20H100CG-TR	TO-263	100	2 X 5	0.64	250	175	1.07	1.06	.98	.90
511—STPS15H100CB	TO-252	100	2 X 7.5	0.89	75	175	.99	.98	.90	.83
511—STPS41H100CG	TO-263	100	2 X 20	0.9	220	175	2.38	2.34	2.04	1.77
511—STPS2150A	DO-214AC	150	2	0.67	75	175	.16	.14	.13	.12
Thru Hole										
511—STPS20L15D	TO-220AC	15	20	0.41	310	125	2.04	2.01	1.76	1.52
511—BAT47	DO-35	20	0.35	0.5	7.5	125	.11	.10	.09	.08
511—BAT48	DO-35	20	0.35	0.75	7.5	125	.11	.10	.09	.08
511—1N5817	DO-41	20	1	0.45	25	150	.09	.08	.07	.06
511—1N5820	DO-201AD	20	3	0.475	80	150	.17	.15	.14	.13
511—STPS10L25D	TO-220AC	25	10	0.46	200	150	.80	.78	.72	.66
511—STPS15L25D	TO-220AC	25	15	0.46	250	150	1.73	1.70	1.57	1.44
511—BAT42	DO-35	30	0.2	1	4	125	.11	.10	.09	.08
511—BAT43	DO-35	30	0.2	1	4	125	.11	.10	.09	.08
511—1N5818	DO-41	30	1	0.55	25	150	.09	.08	.07	.06
511—1N5821	DO-201AD	30	3	0.5	80	150	.17	.15	.14	.13
511—STPS30L30CT	TO-220AB	30	2 X 15	0.37	220	150	1.09	1.08	.99	.91
511—STPS60L30CW	TO-247	30	2 X 30	0.38	600	150	3.01	2.97	2.59	2.24
511—1N5819	DO-41	40	1	0.6	25	150	.13	.12	.10	.10
511—1N5822	DO-201AD	40	3	0.525	80	150	.17	.15	.14	.13
511—STPS30L40CT	TO-220AB	40	2 X 15	0.37	220	150	1.51	1.49	1.37	1.26
511—STPS745D	TO-220AC	45	7.5	0.84	150	175	.49	.45	.41	.38
511—STPS1045D	TO-220AB	45	10	0.84	180	175	.49	.45	.41	.38
511—STPS1545D	TO-220AC	45	15	0.57	220	175	.51	.47	.43	.40
511—STPS1545CT	TO-220AB	45	2 X 7.5	0.57	150	175	.55	.54	.50	.46
511—STPS2045CT	TO-220AB	45	2 X 10	0.84	180	175	1.10	1.08	1.00	.91
511—STPS3045CT	TO-220AB	45	2 X 15	0.84	220	175	.77	.76	.70	.64
511—STPS6045CW	TO-247	45	2 X 30	0.84	400	175	2.40	2.36	2.06	1.78
511—STPS12045TV	ISOTOP	45	2 X 60	0.91	900	150	18.06	15.54	13.65	13.34
511—STPS16045TV	ISOTOP	45	2 X 80	0.95	900	150	20.71	17.82	15.66	15.30
511—STPS24045TV	ISOTOP	45	2 X 120	0.67	1500	150	29.86	25.70	22.57	22.05
511—1N6263	DO-35	60	0.15	1	50	200	.11	.10	.09	.08
511—1N5711	DO-35	70	0.15	1	- - - - -	200	.10	.09	.08	.08
511—BAT41	DO-35	100	0.1	0.45	0.75	125	.10	.09	.08	.08
511—BAT46	DO-35	100	0.15	0.25	0.75	115	.15	.14	.12	.11
511—STPS8H100D	TO-220AB	100	8	0.71	250	175	.66	.65	.60	.55
511—STPS20H100CT	TO-220AB	100	2 X 10	0.77	250	175	1.07	1.06	.98	.90
511—STPS41H100CT	TO-220AB	100	2 X 20	0.9	220	175	2.28	2.25	1.96	1.70
511—STPS160H100TV	ISOTOP	100	2 X 80	0.68	1000	150	26.49	22.80	20.02	19.56
511—STPS1150	DO-41	150	1	0.82	75	175	.14	.13	.11	.10
511—STPS20150CFP	TO-220FPAB	150	2 X 10	0.92	189	175	.99	.98	.90	.83
511—STPS20150CT	TO-220AB	150	2 X 10	1	180	175	1.51	1.49	1.37	1.26

TAIWAN SEMICONDUCTOR Rectifiers

TAIWAN SEMICONDUCTOR

RoHS Compliant **This page of product is compliant.**

TAIWAN SEMICONDUCTOR STANDARD BRIDGE RECTIFIERS

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-MBS2	MBS2	MBS	35	200	0.8	.26	.23	.21	.19
821-MBS4	MBS4	MBS	35	400	0.8	.26	.23	.21	.19
821-MBS6	MBS6	MBS	35	600	0.8	.26	.23	.21	.19
821-MBS8	MBS8	MBS	35	800	0.8	.27	.25	.23	.20
821-MBS10	MBS10	MBS	35	1000	0.8	.29	.26	.24	.21
821-W01	W01	RB-15	40	100	1.5	.28	.23	.20	.15
821-W02	W02	RB-15	40	200	1.5	.28	.25	.21	.16
821-W04	W04	RB-15	40	400	1.5	.28	.25	.21	.16
821-W06	W06	RB-15	40	600	1.5	.32	.26	.23	.17
821-W08	W08	RB-15	40	800	1.5	.32	.26	.23	.17
821-W10	W10	RB-15	40	1000	1.5	.32	.26	.23	.17
821-DB101G	DB101G	DB	50	50	1	.30	.25	.21	.16
821-DB102G	DB102G	DB	50	100	1	.32	.26	.23	.17
821-DBS102G	DBS102G	DBS	50	100	1	.36	.30	.26	.19
821-DB152G	DB152G	DB	50	100	1.5	.38	.32	.27	.20
821-DBS152G	DBS152G	DBS	50	100	1.5	.43	.35	.30	.23
821-DB103G	DB103G	DB	50	200	1	.32	.26	.23	.17
821-DBS103G	DBS103G	DBS	50	200	1	.36	.30	.26	.19
821-DB153G	DB153G	DB	50	200	1.5	.40	.33	.29	.21
821-DBS153G	DBS153G	DBS	50	200	1.5	.43	.35	.30	.23
821-DB104G	DB104G	DB	50	400	1	.34	.28	.24	.18
821-DBS104G	DBS104G	DBS	50	400	1	.36	.30	.26	.19
821-DB154G	DB154G	DB	50	400	1.5	.43	.35	.30	.23
821-DBS154G	DBS154G	DBS	50	400	1.5	.45	.37	.32	.24
821-DB105G	DB105G	DB	50	600	1	.34	.28	.24	.18
821-DBS105G	DBS105G	DBS	50	600	1	.38	.32	.27	.20
821-DB155G	DB155G	DB	50	600	1.5	.43	.35	.30	.23
821-DBS155G	DBS155G	DBS	50	600	1.5	.47	.39	.33	.25
821-DB106G	DB106G	DB	50	800	1	.36	.30	.26	.19
821-DBS106G	DBS106G	DBS	50	800	1	.50	.45	.27	.20
821-DB156G	DB156G	DB	50	800	1.5	.45	.37	.32	.24
821-DBS156G	DBS156G	DBS	50	800	1.5	.49	.40	.35	.26
821-DB107G	DB107G	DB	50	1000	1	.36	.30	.26	.19
821-DBS107G	DBS107G	DBS	50	1000	1	.52	.48	.29	.21
821-DB157G	DB157G	DB	50	1000	1.5	.47	.39	.33	.25
821-DBS157G	DBS157G	DBS	50	1000	1.5	.49	.40	.35	.26
821-GBU402	GBU402	GBU	150	100	4	.69	.63	.58	.52
821-GBU403	GBU403	GBU	150	200	4	.72	.66	.60	.54
821-GBU404	GBU404	GBU	150	400	4	.72	.66	.60	.54
821-GBU405	GBU405	GBU	150	600	4	.72	.66	.60	.54
821-GBU406	GBU406	GBU	150	800	4	.72	.66	.60	.54
821-GBU407	GBU407	GBU	150	1000	4	.75	.69	.63	.56
821-GBU602	GBU602	GBU	175	100	6	1.09	.93	.81	.71
821-GBU603	GBU603	GBU	175	200	6	1.09	.93	.81	.71
821-GBU604	GBU604	GBU	175	400	6	1.09	.93	.81	.71
821-GBU605	GBU605	GBU	175	600	6	1.09	.93	.81	.71
821-GBU606	GBU606	GBU	175	800	6	1.12	.96	.83	.74
821-GBU607	GBU607	GBU	175	1000	6	1.12	.96	.83	.74
821-SB602	SB602	SB-6	200	100	6	1.02	.84	.72	.54
821-SBT602	SBT602	SBT-6	200	100	6	1.19	.98	.84	.63
821-SB603	SB603	SB-6	200	200	6	1.02	.84	.72	.54
821-SBT603	SBT603	SBT-6	200	200	6	1.09	.93	.81	.71
821-SB604	SB604	SB-6	200	400	6	1.06	.88	.75	.56
821-SBT604	SBT604	SBT-6	200	400	6	1.16	.99	.86	.76
821-SB605	SB605	SB-6	200	600	6	1.06	.88	.75	.56
821-SBT605	SBT605	SBT-6	200	600	6	1.26	1.08	.94	.83
821-SB606	SB606	SB-6	200	800	6	1.15	.95	.81	.61
821-SBT606	SBT606	SBT-6	200	800	6	1.30	1.11	.96	.85
821-SB607	SB607	SB-6	200	1000	6	1.05	.90	.78	.69
821-SBT607	SBT607	SBT-6	200	1000	6	1.37	1.17	1.01	.90
821-TS20P02G	TS20P02G	TS6P	250	100	20	2.25	1.86	1.59	1.19
821-TS20P03G	TS20P03G	TS6P	250	200	20	2.25	1.86	1.59	1.19
821-TS20P04G	TS20P04G	TS6P	250	400	20	2.34	1.93	1.65	1.24
821-TS20P05G	TS20P05G	TS6P	250	600	20	2.34	1.93	1.65	1.24
821-TS20P06G	TS20P06G	TS6P	250	800	20	2.51	2.07	1.77	1.33
821-TS20P07G	TS20P07G	TS6P	250	1000	20	2.64	2.17	1.86	1.40
821-KBU1002	KBU1002	KBU	300	100	10	1.44	1.23	1.07	.94
821-SB251	SB251	SB35	300	100	25	2.93	2.42	2.07	1.55
821-SB251W	SB251W	SB35-W	300	100	25	2.98	2.45	2.10	1.58
821-KBU1003	KBU1003	KBU	300	200	10	1.44	1.23	1.07	.94
821-SB252	SB252	SB35	300	200	25	2.98	2.45	2.10	1.58
821-SB252W	SB252W	SB35-W	300	200	25	3.02	2.49	2.13	1.60
821-KBU1004	KBU1004	KBU	300	400	10	1.44	1.23	1.07	.94
821-SB254	SB254	SB35	300	400	25	2.98	2.45	2.10	1.58
821-SB254W	SB254W	SB35-W	300	400	25	3.10	2.56	2.19	1.64
821-KBU1005	KBU1005	KBU	300	600	10	1.51	1.29	1.12	.99
821-SB256	SB256	SB35	300	600	25	3.02	2.49	2.13	1.60
821-SB256W	SB256W	SB35-W	300	600	25	3.10	2.56	2.19	1.64
821-KBU1006	KBU1006	KBU	300	800	10	1.51	1.29	1.12	.99
821-SB258	SB258	SB35	300	800	25	3.10	2.56	2.19	1.64
821-SB258W	SB258W	SB35-W	300	800	25	3.15	2.59	2.22	1.67
821-KBU1007	KBU1007	KBU	300	1000	10	1.51	1.29	1.12	.99
821-SB2510	SB2510	SB35	300	1000	25	3.23	2.66	2.28	1.71
821-SB2510W	SB2510W	SB35-W	300	1000	25	3.23	2.66	2.28	1.71
821-SB351	SB351	SB35	400	100	35	2.98	2.45	2.10	1.58
821-SB351W	SB351W	SB35-W	400	100	35	3.02	2.49	2.13	1.60
821-GBPC4001	GBPC4001	GBPC40	400	100	40	3.96	3.63	3.30	2.97
821-SB352	SB352	SB35	400	200	35	3.02	2.49	2.13	1.60
821-SB352W	SB352W	SB35-W	400	200	35	3.10	2.56	2.19	1.64
821-GBPC4002	GBPC4002	GBPC40	400	200	40	4.02	3.69	3.35	3.02
821-SB354	SB354	SB35	400	400	35	3.02	2.49	2.13	1.60
821-SB354W	SB354W	SB35-W	400	400	35	3.10	2.56	2.19	1.64
821-GBPC4004	GBPC4004	GBPC40	400	400	40	4.11	3.77	3.43	3.08
821-SB356	SB356	SB35	400	600	35	3.10	2.56	2.19	1.64
821-SB356W	SB356W	SB35-W	400	600	35	3.15	2.59	2.22	1.67
821-GBPC4006	GBPC4006	GBPC40	400	600	40	4.20	3.85	3.50	3.15
821-SB358	SB358	SB35	400	800	35	3.15	2.59	2.22	1.67
821-SB358W	SB358W	SB35-W	400	800	35	3.23	2.66	2.28	1.71
821-GBPC4008	GBPC4008	GBPC40	400	800	40	4.29	3.93	3.58	3.22
821-SB3510	SB3510	SB35	400	1000	35	3.27	2.70	2.31	1.73
821-SB3510W	SB3510W	SB35-W	400	1000	35	3.32	2.73	2.34	1.76
821-GBPC4010	GBPC4010	GBPC40	400	1000	40	4.62	4.24	3.85	3.47

For quantities of 2500 and up, call for quote.

TAIWAN SEMICONDUCTOR STANDARD RECTIFIERS

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-1N4001	1N4001	DO-41	30	50	1	.05	.04	.03	.02
821-S1A	S1A	SMA/DO-214AC	30	50	1	.09	.08	.07	.06
821-S1AL	S1AL	Sub-SMA	30	50	1	.11	.09	.08	.07
821-S1BL	S1BL	Sub-SMA	30	100	1	.11	.09	.08	.07
821-1N4002	1N4002	DO-41	30	100	1	.05	.04	.03	.02
821-S1B	S1B	SMA/DO-214AC	30	100	1	.09	.08	.07	.06
821-1N4003	1N4003	DO-41	30	200	1	.05	.04	.03	.02
821-S1D	S1D	SMA/DO-214AC	30	200	1	.09	.07	.06	.05
821-S1DL	S1DL	Sub-SMA	30	200	1	.11	.09	.08	.07
821-S1GL	S1GL	Sub-SMA	30	400	1	.11	.09	.08	.07
821-1N4004	1N4004	DO-41	30	400	1	.05	.04	.03	.02
821-S1G	S1G	SMA/DO-214AC	30	400	1	.09	.08	.07	.06
821-1N4005	1N4005	DO-41	30	600	1	.05	.04	.03	.02
821-S1J	S1J	SMA/DO-214AC	30	600	1	.09	.08	.07	.06
821-S1JL	S1JL	Sub-SMA	30	600	1	.11	.09	.08	.07
821-S1KL	S1KL	Sub-SMA	30	800	1	.11	.09	.08	.07
821-1N4006	1N4006	DO-41	30	800	1	.05	.04	.03	.02
821-S1K	S1K	SMA/DO-214AC	30	800	1	.10	.09	.08	.07
821-S1ML	S1ML	Sub-SMA	30	1000	1	.11	.09	.08	.07
821-1N4007	1N4007	DO-41	30	1000	1	.05	.04	.03	.02
821-S1M	S1M	SMA/DO-214AC	30	1000	1	.10	.09	.08	.07
821-1N5391	1N5391	DO-15	50	50	1.5	.08	.07	.05	.04
821-1N5391G	1N5391G	DO-15	50	50	1.5	.12	.08	.07	.05
821-1N5392	1N5392	DO-15	50	100	1.5	.08	.07	.05	.04
821-1N5392G	1N5392G	DO-15	50	100	1.5	.13	.09	.08	.06
821-1N5393	1N5393	DO-15	50	200	1.5	.08	.07	.06	.05
821-1N5393G	1N5393G	DO-15	50	200	1.5	.15	.09	.08	.06
821-S2D	S2D	SMB/DO-214AA	50	200	2	.11	.10	.09	.08
821-1N5395	1N5395	DO-15	50	400	1.5	.08	.07	.06	.05
821-1N5395G	1N5395G	DO-15	50	400	1.5	.15	.09	.08	.06
821-S2G	S2G	SMB/DO-214AA	50	400	2	.12	.11	.10	.08
821-1N5397	1N5397	DO-15	50	600	1.5	.08	.07	.06	.05
821-1N5397G	1N5397G	DO-15	50	600	1.5	.15	.11	.09	.07
821-S2J	S2J	SMB/DO-214AA	50	600	2	.12	.11	.10	.09
821-1N5398	1N5398	DO-15	50	800	1.5	.08	.07	.06	.05
821-1N5398G	1N5398G	DO-15	50	800	1.5	.16	.10	.09	.07
821-S2K	S2K	SMB/DO-214AA	50	800	2	.12	.11	.10	.09
821-1N5399	1N5399	DO-15	50	1000	1.5	.09	.08	.06	.05
821-1N5399G	1N5399G	DO-15	50	1000	1.5	.17	.11	.09	.07
821-S2M	S2M	SMB/DO-214AA	50	1000	2	.13	.12	.11	.10

For quantities of 2500 and up, call for quote.

TAIWAN SEMICONDUCTOR Rectifiers

TAIWAN SEMICONDUCTOR

RoHS Compliant This page of product is compliant.

TAIWAN SEMICONDUCTOR STANDARD RECTIFIERS (CONT.)

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-2A01	2A01	DO-15	60	50	2	.07	.06	.05	.04
821-2A02	2A02	DO-15	60	100	2	.07	.06	.05	.04
821-2A03	2A03	DO-15	60	200	2	.07	.06	.05	.04
821-2A04	2A04	DO-15	60	400	2	.07	.06	.05	.04
821-2A05	2A05	DO-15	60	600	2	.07	.06	.05	.04
821-2A06	2A06	DO-15	60	800	2	.07	.06	.05	.04
821-2A07	2A07	DO-15	60	1000	2	.07	.06	.05	.04
821-S3A	S3A	SMC/DO-214AB	100	50	3	.17	.15	.14	.12
821-S3B	S3B	SMC/DO-214AB	100	100	3	.18	.17	.15	.14
821-S3D	S3D	SMC/DO-214AB	100	200	3	.18	.17	.15	.14
821-S3G	S3G	SMC/DO-214AB	100	400	3	.18	.17	.15	.14
821-S3J	S3J	SMC/DO-214AB	100	600	3	.18	.17	.15	.14
821-S3K	S3K	SMC/DO-214AB	100	800	3	.20	.18	.16	.15
821-S3M	S3M	SMC/DO-214AB	100	1000	3	.21	.19	.18	.16
821-GP1002	GP1002	TO-220	125	100	10	.51	.47	.43	.38
821-GP1003	GP1003	TO-220	125	200	10	.57	.52	.48	.43
821-GP1004	GP1004	TO-220	125	400	10	.57	.52	.48	.43
821-GP1005	GP1005	TO-220	125	600	10	.63	.58	.53	.47
821-GP1006	GP1006	TO-220	125	800	10	.63	.58	.53	.47
821-GP1007	GP1007	TO-220	125	1000	10	.63	.58	.53	.47

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-GP1602	GP1602	TO-220	150	100	16	1.00	.70	.55	.45
821-GP1603	GP1603	TO-220	150	200	16	1.00	.70	.55	.45
821-GP1604	GP1604	TO-220	150	400	16	1.05	.74	.58	.47
821-GP1605	GP1605	TO-220	150	600	16	1.05	.74	.58	.47
821-GP1606	GP1606	TO-220	150	800	16	1.15	.81	.63	.52
821-GP1607	GP1607	TO-220	150	1000	16	1.20	.84	.66	.54
821-1N5400	1N5400	DO-201AD	200	50	3	.14	.09	.08	.06
821-1N5401	1N5401	DO-201AD	200	100	3	.14	.09	.08	.06
821-1N5402	1N5402	DO-201AD	200	200	3	.15	.09	.08	.06
821-1N5404	1N5404	DO-201AD	200	400	3	.16	.10	.09	.07
821-1N5406	1N5406	DO-201AD	200	600	3	.16	.10	.09	.07
821-1N5407	1N5407	DO-201AD	200	800	3	.17	.11	.09	.07
821-1N5408	1N5408	DO-201AD	200	1000	3	.17	.11	.09	.07
821-6A05	6A05	R-6	250	50	6	.18	.17	.15	.14
821-6A10	6A10	R-6	250	100	6	.18	.17	.15	.14
821-6A20	6A20	R-6	250	200	6	.18	.17	.15	.14
821-6A40	6A40	R-6	250	400	6	.18	.17	.15	.14
821-6A60	6A60	R-6	250	600	6	.18	.17	.15	.14
821-6A80	6A80	R-6	250	800	6	.20	.18	.16	.15
821-6A100	6A100	R-6	250	1000	6	.20	.18	.16	.15

TAIWAN SEMICONDUCTOR FAST RECTIFIERS

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-1N4933	1N4933	DO-41	30	50	1	.07	.06	.04	.03
821-RS1A	RS1A	SMA/DO-214AC	30	50	1	.10	.09	.08	.07
821-RSFAL	RSFAL	Sub-SMA	30	50	0.5	.14	.12	.10	.08
821-RSFBL	RSFBL	Sub-SMA	30	100	0.5	.14	.12	.10	.08
821-1N4934	1N4934	DO-41	30	100	1	.07	.06	.04	.03
821-RS1B	RS1B	SMA/DO-214AC	30	100	1	.10	.09	.08	.07
821-1N4935	1N4935	DO-41	30	200	1	.07	.06	.04	.03
821-RS1D	RS1D	SMA/DO-214AC	30	200	1	.10	.09	.08	.07
821-RSFDL	RSFDL	Sub-SMA	30	200	0.5	.14	.12	.10	.08
821-RSFGL	RSFGL	Sub-SMA	30	400	0.5	.14	.12	.10	.08

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-1N4936	1N4936	DO-41	30	400	1	.07	.06	.04	.03
821-RS1G	RS1G	SMA/DO-214AC	30	400	1	.10	.09	.08	.07
821-1N4937	1N4937	DO-41	30	600	1	.07	.06	.05	.04
821-RS1J	RS1J	SMA/DO-214AC	30	600	1	.10	.09	.08	.07
821-RSFJL	RSFJL	Sub-SMA	30	600	0.5	.15	.13	.11	.09
821-RSFKL	RSFKL	Sub-SMA	30	800	0.5	.14	.12	.10	.08
821-RS1K	RS1K	SMA/DO-214AC	30	800	1	.11	.10	.09	.08
821-RS1M	RS1M	SMA/DO-214AC	30	1000	1	.11	.10	.09	.08
821-RSFML	RSFML	Sub-SMA	30	1000	0.5	.14	.12	.10	.08

TAIWAN SEMICONDUCTOR SUPERFAST RECTIFIERS

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-ES1AL	ES1AL	Sub-SMA	30	50	1	.16	.14	.12	.11
821-ES1BL	ES1BL	Sub-SMA	30	100	1	.16	.14	.12	.11
821-ES1B	ES1B	SMA/DO-214AC	30	100	1	.11	.10	.09	.08
821-SF12	SF12	DO-41	30	100	1	.20	.13	.11	.08
821-ES1CL	ES1CL	Sub-SMA	30	150	1	.16	.14	.12	.11
821-ES1D	ES1D	SMA/DO-214AC	30	200	1	.12	.11	.10	.09
821-SF14	SF14	DO-41	30	200	1	.21	.14	.12	.09
821-ES1DL	ES1DL	Sub-SMA	30	200	1	.16	.14	.12	.11
821-ES1FL	ES1FL	Sub-SMA	30	300	1	.16	.14	.12	.11
821-ES1G	ES1G	SMA/DO-214AC	30	400	1	.13	.12	.11	.09
821-SF16	SF16	DO-41	30	400	1	.23	.14	.12	.09
821-ES1GL	ES1GL	Sub-SMA	30	400	1	.16	.14	.12	.11
821-ES1HL	ES1HL	Sub-SMA	30	500	1	.16	.14	.12	.11
821-ES1J	ES1J	SMA/DO-214AC	30	600	1	.14	.13	.12	.10
821-SF18	SF18	DO-41	30	600	1	.24	.15	.13	.10
821-ES1JL	ES1JL	Sub-SMA	30	600	1	.16	.14	.12	.11
821-ES2B	ES2B	SMB/DO-214AA	50	100	2	.16	.15	.13	.12
821-ES2D	ES2D	SMB/DO-214AA	50	200	2	.16	.15	.14	.12
821-ES2G	ES2G	SMB/DO-214AA	50	400	2	.19	.17	.16	.13
821-ES2J	ES2J	SMB/DO-214AA	50	600	2	.21	.19	.18	.16

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-ES3B	ES3B	SMC/DO-214AB	100	100	3	.27	.25	.23	.20
821-ES3D	ES3D	SMC/DO-214AB	100	200	3	.27	.25	.23	.20
821-ES3G	ES3G	SMC/DO-214AB	100	400	3	.29	.26	.24	.21
821-ES3J	ES3J	SMC/DO-214AB	100	600	3	.32	.29	.26	.24
821-SF32	SF32	DO-201AD	125	100	3	.47	.30	.26	.19
821-SF1002G	SF1002G	TO-220	125	100	10	1.00	.70	.55	.45
821-SF1602G	SF1602G	TO-220	125	100	16	1.30	.91	.72	.59
821-SF34	SF34	DO-201AD	125	200	3	.50	.32	.27	.20
821-SF1004G	SF1004G	TO-220	125	200	10	1.05	.74	.58	.47
821-SF1604G	SF1604G	TO-220	125	200	16	1.30	.91	.72	.59
821-SF36	SF36	DO-201AD	125	400	3	.55	.35	.30	.23
821-SF1006G	SF1006G	TO-220	125	400	10	1.10	.77	.61	.50
821-SF1606G	SF1606G	TO-220	125	400	16	1.35	.95	.74	.61
821-SF38	SF38	DO-201AD	125	600	3	.58	.37	.32	.24
821-SF1008G	SF1008G	TO-220	125	600	10	1.20	.84	.66	.54
821-SF1608G	SF1608G	TO-220	125	600	16	1.45	1.02	.80	.65
821-SFA1602G	SFA1602G	TO-220A	200	100	16	1.25	.88	.69	.56
821-SFA1604G	SFA1604G	TO-220A	200	200	16	1.25	.88	.69	.56
821-SFA1606G	SFA1606G	TO-220A	200	400	16	1.30	.91	.72	.59
821-SFA1608G	SFA1608G	TO-220A	200	600	16	1.40	.98	.77	.63

TAIWAN SEMICONDUCTOR HIGH EFFICIENCY RECTIFIERS

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-HER101	HER101	DO-41	30	50	1	.10	.09	.08	.07
821-HER102	HER102	DO-41	30	100	1	.10	.09	.08	.07
821-MUR820	MUR820	TO-220A	100	200	8	.63	.58	.52	.47
821-MUR1620CT	MUR1620CT	TO-220	100	200	16	.88	.80	.73	.65
821-HER103	HER103	DO-41	30	200	1	.10	.09	.08	.07

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-HER104	HER104	DO-41	30	300	1	.10	.09	.08	.07
821-HER105	HER105	DO-41	30	400	1	.10	.09	.08	.07
821-HER107	HER107	DO-41	30	800	1	.10	.09	.08	.07
821-HER108	HER108	DO-41	30	1000	1	.10	.09	.08	.07
821-MUR160	MUR160	DO-41	35	600	1	.18	.16	.15	.13

TAIWAN SEMICONDUCTOR Rectifiers

RoHS Compliant **This page of product is compliant.**

TAIWAN SEMICONDUCTOR SCHOTTKY RECTIFIERS

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-1N5817	1N5817	DO-41	25	20	1	.14	.09	.08	.06
821-1N5818	1N5818	DO-41	25	30	1	.14	.09	.08	.06
821-1N5819	1N5819	DO-41	25	40	1	.14	.09	.08	.06
821-SS12	SS12	SMA/DO-214AC	30	20	1	.20	.13	.11	.08
821-SS12L	SS12L	Sub-SMA	30	20	1	.16	.14	.12	.11
821-SS13L	SS13L	Sub-SMA	30	30	1	.16	.14	.12	.11
821-SS13	SS13	SMA/DO-214AC	30	30	1	.20	.13	.11	.08
821-SS14	SS14	SMA/DO-214AC	30	40	1	.24	.21	.18	.14
821-SS14L	SS14L	Sub-SMA	30	40	1	.16	.14	.12	.11
821-SS15L	SS15L	Sub-SMA	30	50	1	.16	.14	.12	.11
821-SS15	SS15	SMA/DO-214AC	30	50	1	.20	.13	.11	.08
821-SS16	SS16	SMA/DO-214AC	30	60	1	.20	.13	.11	.08
821-SS16L	SS16L	Sub-SMA	30	60	1	.16	.14	.12	.11
821-SS19	SS19	SMA/DO-214AC	30	90	1	.21	.13	.11	.09
821-SS19L	SS19L	Sub-SMA	30	90	1	.16	.14	.12	.11
821-SS110L	SS110L	Sub-SMA	30	100	1	.16	.14	.12	.11
821-SS22	SS22	SMB/DO-214AA	50	20	2	.37	.24	.20	.15
821-SS23	SS23	SMB/DO-214AA	50	30	2	.40	.26	.22	.16
821-SS24	SS24	SMB/DO-214AA	50	40	2	.42	.27	.23	.17
821-SS25	SS25	SMB/DO-214AA	50	50	2	.42	.27	.23	.17
821-SS26	SS26	SMB/DO-214AA	50	60	2	.47	.30	.26	.19
821-SS29	SS29	SMB/DO-214AA	50	90	2	.47	.30	.26	.19
821-1N5820	1N5820	DO-201AD	80	20	3	.49	.31	.27	.20
821-1N5821	1N5821	DO-201AD	80	30	3	.49	.31	.27	.20
821-1N5822	1N5822	DO-201AD	80	40	3	.49	.31	.27	.20
821-SR305	SR305	DO-201AD	80	50	3	.50	.32	.27	.20
821-SR306	SR306	DO-201AD	80	60	3	.50	.32	.27	.20
821-SS32	SS32	SMC/DO-214AB	100	20	3	.59	.37	.32	.24
821-SS33	SS33	SMC/DO-214AB	100	30	3	.59	.37	.32	.24
821-SS34	SS34	SMC/DO-214AB	100	40	3	.59	.37	.32	.24
821-SS35	SS35	SMC/DO-214AB	100	50	3	.59	.37	.32	.24
821-SS36	SS36	SMC/DO-214AB	100	60	3	.59	.37	.32	.24
821-SS39	SS39	SMC/DO-214AB	100	90	3	.61	.39	.33	.25
821-SR502	SR502	DO-201AD	150	20	5	.65	.46	.36	.29
821-SR503	SR503	DO-201AD	150	30	5	.65	.46	.36	.29
821-MBR1035	MBR1035	TO-220A	150	35	10	.64	.59	.53	.48
821-MBR2035CT	MBR2035CT	TO-220	150	35	20	.89	.82	.75	.67
821-MBRS2035CT	MBRS2035CT	D2PAK	150	35	20	1.07	.92	.80	.70
821-MBR2535CT	MBR2535CT	TO-220	150	35	30	1.28	1.10	.95	.84
821-MBRS2535CT	MBRS2535CT	D2PAK	150	35	30	1.31	1.12	.97	.86
821-SR504	SR504	DO-201AD	150	40	5	.65	.46	.36	.29
821-MBR1045	MBR1045	TO-220A	150	45	10	.64	.59	.53	.48
821-MBR2045CT	MBR2045CT	TO-220	150	45	20	.89	.82	.75	.67
821-MBRS2045CT	MBRS2045CT	D2PAK	150	45	20	1.13	.97	.84	.74

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Package	Peak Fwd./Rev. Surge Current IFSM (A)	Max. Reverse Voltage VRM (V)	Max. Aver. Rect. Current Io (A)	Price Each			
						1	100	500	1000
821-MBR2545CT	MBR2545CT	TO-220	150	45	30	1.28	1.10	.95	.84
821-MBRS2545CT	MBRS2545CT	D2PAK	150	45	30	1.31	1.12	.97	.86
821-SR505	SR505	DO-201AD	150	50	5	.65	.46	.35	.29
821-MBR1050	MBR1050	TO-220A	150	50	10	.64	.59	.53	.48
821-MBR2050CT	MBR2050CT	TO-220	150	50	20	1.07	.92	.80	.70
821-MBRS2050CT	MBRS2050CT	D2PAK	150	50	20	1.13	.97	.84	.74
821-MBR2550CT	MBR2550CT	TO-220	150	50	30	1.31	1.12	.97	.86
821-MBRS2550CT	MBRS2550CT	D2PAK	150	50	30	1.34	1.15	1.00	.88
821-SR506	SR506	DO-201AD	150	60	5	.70	.49	.38	.32
821-MBR1060	MBR1060	TO-220A	150	60	10	.66	.61	.55	.50
821-MBR2060CT	MBR2060CT	TO-220	150	60	20	1.07	.92	.80	.70
821-MBRS2060CT	MBRS2060CT	D2PAK	150	60	20	1.16	1.00	.86	.76
821-MBR2560CT	MBR2560CT	TO-220	150	60	30	1.31	1.12	.97	.86
821-MBRS2560CT	MBRS2560CT	D2PAK	150	60	30	1.34	1.15	1.00	.88
821-SR309	SR309	DO-201AD	150	90	3	.52	.33	.29	.21
821-SR1620	SR1620	TO-220	200	20	16	1.41	.98	.77	.63
821-SR1630	SR1630	TO-220	200	30	16	1.41	.98	.77	.63
821-SR1640	SR1640	TO-220	200	40	16	1.45	1.01	.79	.65
821-SR1650	SR1650	TO-220	200	50	16	1.53	1.07	.84	.69
821-SR1660	SR1660	TO-220	200	60	16	1.58	1.10	.87	.71
821-SR509	SR509	DO-201AD	200	90	5	.73	.51	.40	.33
821-SRS1620	SRS1620	D2PAK	250	20	16	1.49	1.04	.82	.67
821-SRS1630	SRS1630	D2PAK	250	30	16	1.49	1.04	.82	.67
821-MBR3035CT	MBR3035CT	TO-220	250	35	30	1.11	1.02	.93	.83
821-SRS1640	SRS1640	D2PAK	250	40	16	1.53	1.07	.84	.69
821-MBR3045CT	MBR3045CT	TO-220	250	45	30	1.11	1.02	.93	.83
821-SRS1650	SRS1650	D2PAK	250	50	16	1.58	1.10	.87	.71
821-MBR3050CT	MBR3050CT	TO-220	250	50	30	1.11	1.02	.93	.83
821-SRS1660	SRS1660	D2PAK	250	60	16	1.66	1.16	.91	.75
821-MBR3060CT	MBR3060CT	TO-220	250	60	30	1.11	1.02	.93	.83
821-MBR3090CT	MBR3090CT	TO-220	250	90	30	1.14	1.05	.95	.86
821-MBR30100CT	MBR30100CT	TO-220	250	100	30	1.14	1.05	.95	.86
821-MBR4035PT	MBR4035PT	TO-247AD	400	35	40	1.56	1.43	1.30	1.17
821-MBR4045PT	MBR4045PT	TO-247AD	400	45	40	1.56	1.43	1.30	1.17
821-MBR4050PT	MBR4050PT	TO-247AD	400	50	40	1.56	1.43	1.30	1.17
821-MBR4060PT	MBR4060PT	TO-247AD	400	60	40	1.56	1.43	1.30	1.17
821-MBR4090PT	MBR4090PT	TO-247AD	400	90	40	1.59	1.46	1.33	1.19
821-MBR40100PT	MBR40100PT	TO-247AD	400	100	40	1.59	1.46	1.33	1.19
821-MBR6035PT	MBR6035PT	TO-247AD	500	35	60	1.85	1.85	1.67	1.48
821-MBR6045PT	MBR6045PT	TO-247AD	500	45	60	1.85	1.85	1.67	1.48
821-MBR6050PT	MBR6050PT	TO-247AD	500	50	60	1.85	1.85	1.67	1.48
821-MBR6060PT	MBR6060PT	TO-247AD	500	60	60	1.85	1.85	1.67	1.48
821-MBR60100PT	MBR60100PT	TO-247AD	500	100	60	2.10	2.10	1.89	1.68

TAIWAN SEMICONDUCTOR ZENER DIODES

Specifications:

- Max. Rev. Leakage at VWM, ID of 5μA
- -55~+150°C Operating and Storage Temperature Range

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Nominal Voltage VZ @ IZT	Test Current @ IT (mA)	Stand-Off Voltage VWM	Price Each			
					1	100	500	1000
1W								
821-1SMA4741	1SMA4741	11	23	8.4	.20	.18	.17	.15
821-1SMA4742	1SMA4742	12	21	9.1	.20	.18	.17	.15
821-1SMA4743	1SMA4743	13	19	9.9	.20	.18	.17	.15
821-1SMA4744	1SMA4744	15	17	11.4	.20	.18	.17	.15
821-1SMA4745	1SMA4745	16	15.5	12.2	.20	.18	.17	.15
821-1SMA4746	1SMA4746	18	14.0	13.7	.20	.18	.17	.15
821-1SMA4747	1SMA4747	20	12.5	15.2	.20	.18	.17	.15
821-1SMA4748	1SMA4748	22	11.5	16.7	.20	.18	.17	.15
821-1SMA4749	1SMA4749	24	10.5	18.2	.20	.18	.17	.15
821-1SMA4750	1SMA4750	27	9.5	20.6	.20	.18	.17	.15
821-1SMA4751	1SMA4751	30	8.5	22.8	.20	.18	.17	.15
821-1SMA4752	1SMA4752	33	7.5	25.1	.20	.18	.17	.15
821-1SMA4753	1SMA4753	36	7.0	27.4	.20	.18	.17	.15
821-1SMA4754	1SMA4754	39	6.5	29.7	.20	.18	.17	.15
821-1SMA4755	1SMA4755	43	6.0	32.7	.20	.18	.17	.15
821-1SMA4756	1SMA4756	47	5.5	35.8	.20	.18	.17	.15
821-1SMA4757	1SMA4757	51	5.0	38.8	.20	.18	.17	.15
821-1SMA4758	1SMA4758	56	4.5	42.6	.20	.18	.17	.15
821-1SMA4759	1SMA4759	62	4.0	47.1	.20	.18	.17	.15
821-1SMA4760	1SMA4760	68	3.7	51.7	.20	.18	.17	.15
821-1SMA4761	1SMA4761	75	3.3	56.0	.20	.18	.17	.15
821-1SMA4762	1SMA4762	82	3.0	62.2	.20	.18	.17	.16
821-1SMA4763	1SMA4763	91	2.8	69.2	.20	.18	.17	.15
821-1SMA4764	1SMA4764	100	2.5	76.0	.20	.18	.17	.15
821-1SMA110Z	1SMA110Z	110	2.3	83.6	.17	.16	.15	.13
821-1SMA120Z	1SMA120Z	120	2.0	91.2	.17	.16	.15	.13

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Taiwan Semi Part No.	Nominal Voltage VZ @ IZT	Test Current @ IT (mA)	Stand-Off Voltage VWM	Price Each			
					1	100	500	1000
1W (cont.)								
821-1SMA130Z	1SMA130Z	130	1.9	98.8	.17	.16	.15	.13
821-1SMA150Z	1SMA150Z	150	1.7	114.0	.17	.16	.15	.13
821-1SMA160Z	1SMA160Z	160	1.6	121.6	.17	.16	.15	.13
821-1SMA180Z	1SMA180Z	180	1.4	136.8	.17	.16	.15	.13
821-1SMA200Z	1SMA200Z	200	1.2	152.0	.17	.16	.15	.13
1.5W								
821-1SMA5926	1SMA5926	11	34.1	8.4	.24	.22	.20	.18
821-1SMA5927	1SMA5927	12	31.2	9.1	.24	.22	.20	.18
821-1SMA5928	1SMA5928	13	28.8	9.9	.24	.22	.20	.18
821-1SMA5929	1SMA5929	15	25.0	11.4	.24	.22	.20	.18
821-1SMA5930	1SMA5930	16	23.4	12.2	.24	.22	.20	.18
821-1SMA5931	1SMA5931	18	20.8	13.7	.24	.22	.20	.18
821-1SMA5932	1SMA5932	20	18.7	15.2	.24	.22	.20	.18
821-1SMA5933	1SMA5933	22	17.0	16.7	.24	.22	.20	.18
821-1SMA5934	1SMA5934	24	15.6	18.2	.24	.22	.20	.18
821-1SMA5935	1SMA5935	27	13.9	20.6	.24	.22	.20	.18
821-1SMA5936	1SMA5936	30	12.5	22.8	.24	.22	.20	.18
821-1SMA5937	1SMA5937	33	11.4	25.1	.24	.22	.20	.18
821-1SMA5938	1SMA5938	36	10.4	27.4	.24	.22	.20	.18
821-1SMA5939	1SMA5939	39	9.6	29.7	.24	.22	.20	.18
821-1SMA5940	1SMA5940	43	8.7	32.7	.24	.22	.20	.18
821-1SMA5941	1SMA5941	47	8.0	35.8	.24	.22	.20	.18
821-1SMA5942	1SMA5942	51	7.3	38.8	.24	.22	.20	.18
821-1SMA5943	1SMA5943	56	6.7	42.6	.24	.22	.20	.18
821-1SMA5944	1SMA5944	62	6.0	47.1	.24	.22	.20	.18
821-1SMA5945	1SMA5945	68	5.5	51.7	.24	.22	.20	.18

VISHAY Diodes

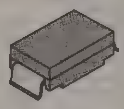
Products may be RoHS compliant.
Check mouser.com for RoHS status.

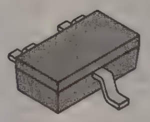
VISHAY SCHOTTKY DIODES

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	VRMM Max. (V)	IF Max. (A)	VF @ IF Max. (V)	IF (mA)	IFSM Max. (A)	trr Typ/Max (ns)	Tj Max. (°C)	Price Each 1	100	500	1000
Surface Mount													
625-LL103C	LL103C-GS08	SOD-80C	20	0.35	0.37	20	15	----/10	125	.20	.13	.059	.046
625-SD103CW-V	SD103CW-V-GS08	SOD-123	20	0.35	0.37	20	2	10/----	125	.10	.072	.056	.048
625-BAT54-V	BAT54-V-GS08	SOT-23-3	30	0.2	0.4	10	0.6	----/5	125	.11	.067	.047	.043
625-BAT54A-V	BAT54A-V-GS08	SOT-23-3	30	0.2	0.4	10	0.6	----/5	125	.13	.079	.055	.051
625-BAT54C-V	BAT54C-V-GS08	SOT-23-3	30	0.2	0.4	10	0.6	----/5	125	.13	.079	.055	.051
625-BAT54S-V	BAT54S-V-GS08	SOT-23-3	30	0.2	1	100	0.6	----/5	125	.13	.079	.055	.051
625-LL103B	LL103B-GS08	SOD-80C	30	0.35	0.37	20	15	----/10	125	.20	.13	.06	.047
625-SD103BW-V	SD103BW-V-GS08	SOD-123	30	0.35	0.37	20	2	10/----	125	.10	.072	.056	.048
625-LL101C	LL101C-GS08	SOD-80C	40	0.2	0.39	1	2	----/1	125	.17	.11	.051	.04
625-SD101CW-V	SD101CW-V-GS08	SOD-123	40	0.2	0.39	1	2	----/1	125	.09	.068	.053	.045
625-SD103AW-V	SD103AW-V-GS08	SOD-123	40	0.35	0.37	20	2	10/----	125	.10	.072	.056	.048
[illegible]25-LL103A	LL103A-GS08	SOD-80C	40	0.35	0.37	20	15	----/10	125	.21	.14	.061	.048
625-LL101B	LL101B-GS08	SOD-80C	50	0.2	0.4	1	2	----/1	125	.18	.11	.052	.041
625-SD101BW-V	SD101BW-V-GS08	SOD-123	50	0.2	0.4	1	2	----/1	125	.09	.068	.053	.045
625-LL101A	LL101A-GS08	SOD-80C	60	0.2	0.41	1	2	----/1	125	.18	.12	.054	.042
625-SD101AW-V	SD101AW-V-GS08	SOD-123	60	0.2	0.41	1	2	----/1	125	.09	.068	.053	.045
625-BAS70-00-V	BAS70-00-V-GS08	SOT-23-3	70	0.2	0.41	1	0.6	----/5	150	.19	.12	.083	.077
625-BAS70-04-V	BAS70-04-V-GS08	SOT-23-3	70	0.2	0.41	1	0.6	----/5	150	.19	.12	.083	.077
625-BAS70-05-V	BAS70-05-V-GS08	SOT-23-3	70	0.2	0.41	1	0.6	----/5	150	.19	.12	.083	.077
625-BAS70-06-V	BAS70-06-V-GS08	SOT-23-3	70	0.2	0.41	1	0.6	----/5	150	.19	.12	.083	.077
Thru-Hole													
625-SD103C	SD103C-TR	DO-35	20	0.35	0.37	20	15	10/----	125	.20	.13	.059	.046
625-BAT42	BAT42-TR	DO-35	30	0.2	0.4	10	4	----/5	125	.12	.075	.053	.049
625-SD103B	SD103B-TR	DO-35	30	0.35	0.37	20	15	10/----	125	.19	.13	.057	.045
625-SD101C	SD101C-TR	DO-35	40	0.2	0.39	1	2	----/1	125	.17	.11	.049	.038
625-SD103A	SD103A-TR	DO-35	40	0.35	0.37	20	15	10/----	125	.20	.13	.058	.046
625-SD101B	SD101B-TR	DO-35	50	0.2	0.4	1	2	----/1	125	.17	.11	.05	.039
625-SD101A	SD101A-TR	DO-35	60	0.2	0.41	1	2	----/1	125	.17	.11	.051	.04


SOD-123

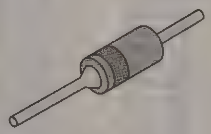

SOT-23-3

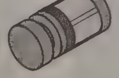
VISHAY SMALL SIGNAL DIODES

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	VRMM Max. (V)	IF(AV) Max. (mA)	IR @ VR Max. (nA)	VR (V)	VF @ IF Max. (V)	IF (mA)	trr Typ/Max (ns)	Price Each 1	100	500	1000
Surface Mount													
78-LL4150	LL4150-GS08	SOD-80C	50	600	0.1	50	1	200	----/4	.07	.043	.019	.015
625-BAV99-V	BAV99-V-GS08	SOT-23-3	70	250	25000	70	1	50	----/6	.10	.060	.028	.021
625-BAV70-V	BAV70-V-GS08	SOT-23-3	70	250	25000	70	1	50	----/6	.10	.060	.028	.021
625-BAW56-V	BAW56-V-GS08	SOT-23-3	70	250	25000	70	1	50	----/6	.04	.029	.025	.021
78-LL4151	LL4151-GS08	SOD-80C	75	200	50	50	1	50	----/4	.06	.041	.019	.016
625-1N4148W-V	1N4148W-V-GS08	SOD-123	100	150	5000	75	1	10	----/4	.10	.064	.03	.023
625-IMBD4148-V	IMBD4148-V-GS08	SOT-23-3	100	150	25000	70	1	10	----/4	.09	.056	.025	.02
78-LL4448	LL4448-GS08	SOD-80C	100	150	.005	75	1	100	—/8	.06	.039	.018	.015
625-MMBD7000-V	MMBD7000-V-GS08	SOT-23-3	100	200	3000	100	0.82	10	----/4	.09	.060	.027	.022
625-BAS16-V	BAS16-V-GS08	SOT-23-3	100	150	1000	75	1	50	----/6	.10	.060	.028	.021
78-LL4148	LL4148-GS08	SOD-80C	100	450	5	75	1	10	----/8	.06	.039	.018	.014
78-LS4148	LS4148-GS08	Quadro MELF	100	500	5	75	1	50	----/8	.06	.052	.033	.024
625-BAS21-V	BAS21-V-GS08	SOT-23-3	250	200	100	200	1	100	----/50	.12	.073	.034	.026
Thru-Hole													
78-1N4154	1N4154-TR	DO-35	35	450	0.1	25	1	30	----/4	.03	.022	.015	.01
78-1N4150	1N4150-TR	DO-35	50	600	0.1	50	1	200	----/4	.05	.035	.016	.014
78-1N4151	1N4151-TR	DO-35	75	450	0.05	50	1	50	----/4	.03	.022	.015	.01
78-1N914	1N914-TR	DO-35	100	300	5	75	1	10	----/4	.03	.021	.01	.008
78-1N4148	1N4148-TR	DO-35	100	500	5	75	1	10	----/4	.03	.021	.01	.008
78-1N4448	1N4448-TR	DO-35	100	500	5	75	1	100	----/4	.03	.022	.015	.01
78-BAV20	BAV20-TR	DO-35	200	200	100	100	1	100	----/50	.06	.036	.017	.014
78-BAV21	BAV21-TR	DO-35	250	250	100	200	1	100	—/50	.06	.039	.018	.015


DO-35

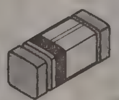

MELF/SOD-80C

VISHAY ZENER DIODES

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	Nominal Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each 1	100	500	1000
Surface Mount									
625-BZX84C2V7-V	BZX84C2V7-V-GS08	SOT-23-3	2.7	0.35	100	.07	.043	.03	.026
625-BZX84C3V0-V	BZX84C3V0-V-GS08	SOT-23-3	3.0	0.35	100	.07	.043	.03	.026
625-BZX84C3V3-V	BZX84C3V3-V-GS08	SOT-23-3	3.3	0.35	95	.07	.043	.03	.026
625-BZX84C3V6-V	BZX84C3V6-V-GS08	SOT-23-3	3.6	0.35	95	.07	.043	.03	.026
625-BZX84C3V9-V	BZX84C3V9-V-GS08	SOT-23-3	3.9	0.35	90	.07	.043	.03	.026
625-BZX84C4V3-V	BZX84C4V3-V-GS08	SOT-23-3	4.3	0.35	90	.07	.043	.03	.026
625-BZX84C4V7-V	BZX84C4V7-V-GS08	SOT-23-3	4.7	0.35	80	.07	.043	.03	.026
625-BZX84C5V1-V	BZX84C5V1-V-GS08	SOT-23-3	5.1	0.35	60	.07	.043	.03	.026
625-BZX84C5V6-V	BZX84C5V6-V-GS08	SOT-23-3	5.6	0.35	40	.07	.043	.03	.026


QUADRO MELF

VISHAY Zener Diodes

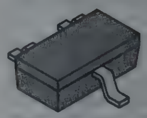
Products may be RoHS compliant.
Check mouser.com for RoHS status.

VISHAY

VISHAY ZENER DIODES (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	Nominal Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each			
						1	100	500	1000
Surface Mount									
625-BZX84C6V2-V	BZX84C6V2-V-GS08	SOT-23-3	6.2	0.35	10	.07	.043	.03	.026
625-BZX84C6V8-V	BZX84C6V8-V-GS08	SOT-23-3	6.8	0.35	15	.07	.043	.03	.026
625-BZX84C7V5-V	BZX84C7V5-V-GS08	SOT-23-3	7.5	0.35	15	.07	.043	.03	.026
625-BZX84C8V2-V	BZX84C8V2-V-GS08	SOT-23-3	8.2	0.35	15	.07	.043	.03	.026
625-BZX84C9V1-V	BZX84C9V1-V-GS08	SOT-23-3	9.1	0.35	15	.07	.043	.03	.026
625-BZX84C10-V	BZX84C10-V-GS08	SOT-23-3	10	0.35	20	.07	.043	.03	.026
625-BZX84C11-V	BZX84C11-V-GS08	SOT-23-3	11	0.35	20	.07	.043	.03	.026
625-BZX84C12-V	BZX84C12-V-GS08	SOT-23-3	12	0.35	25	.07	.043	.03	.026
625-BZX84C13-V	BZX84C13-V-GS08	SOT-23-3	13	0.35	30	.07	.043	.03	.026
625-BZX84C15-V	BZX84C15-V-GS08	SOT-23-3	15	0.35	30	.07	.043	.03	.026
625-BZX84C16-V	BZX84C16-V-GS08	SOT-23-3	16	0.35	40	.07	.043	.03	.026
625-BZX84C18-V	BZX84C18-V-GS08	SOT-23-3	18	0.35	45	.07	.043	.03	.026
625-BZX84C20-V	BZX84C20-V-GS08	SOT-23-3	20	0.35	55	.07	.043	.03	.026
625-BZX84C22-V	BZX84C22-V-GS08	SOT-23-3	22	0.35	55	.07	.043	.03	.026
625-BZX84C24-V	BZX84C24-V-GS08	SOT-23-3	24	0.35	70	.07	.043	.03	.026
625-BZX84C27-V	BZX84C27-V-GS08	SOT-23-3	27	0.35	80	.07	.043	.03	.026
625-BZX84C30-V	BZX84C30-V-GS08	SOT-23-3	30	0.35	80	.07	.043	.03	.026
625-BZX84C33-V	BZX84C33-V-GS08	SOT-23-3	33	0.35	80	.07	.043	.03	.026
625-BZX84C36-V	BZX84C36-V-GS08	SOT-23-3	36	0.35	90	.07	.043	.03	.026
625-BZX84C39-V	BZX84C39-V-GS08	SOT-23-3	39	0.35	130	.07	.043	.03	.026
625-BZX84C43-V	BZX84C43-V-GS08	SOT-23-3	43	0.35	150	.07	.043	.03	.026
625-BZX84C47-V	BZX84C47-V-GS08	SOT-23-3	47	0.35	170	.07	.043	.03	.026
625-BZX84C51-V	BZX84C51-V-GS08	SOT-23-3	51	0.35	180	.07	.043	.03	.026
78-TZM5221B	TZM5221B-GS08	SOD-80C	2.4	0.5	20	.06	.035	.025	.021
78-TZM5222B	TZM5222B-GS08	SOD-80C	2.5	0.5	20	.06	.035	.025	.021
78-TZM5223B	TZM5223B-GS08	SOD-80C	2.7	0.5	20	.06	.035	.025	.021
78-TZM5224B	TZM5224B-GS08	SOD-80C	2.8	0.5	20	.06	.035	.025	.021
78-TZM5225B	TZM5225B-GS08	SOD-80C	3.0	0.5	20	.06	.035	.025	.021
78-TZM5226B	TZM5226B-GS08	SOD-80C	3.3	0.5	20	.06	.035	.025	.021
78-TZM5227B	TZM5227B-GS08	SOD-80C	3.6	0.5	20	.06	.035	.025	.021
78-TZM5228B	TZM5228B-GS08	SOD-80C	3.9	0.5	20	.06	.035	.025	.021
78-TZM5229B	TZM5229B-GS08	SOD-80C	4.3	0.5	20	.06	.035	.025	.021
78-TZM5230B	TZM5230B-GS08	SOD-80C	4.7	0.5	20	.06	.035	.025	.021
78-TZM5231B	TZM5231B-GS08	SOD-80C	5.1	0.5	20	.06	.035	.025	.021
78-TZM5232B	TZM5232B-GS08	SOD-80C	5.6	0.5	20	.06	.035	.025	.021
78-TZM5233B	TZM5233B-GS08	SOD-80C	6.0	0.5	20	.06	.035	.025	.021
78-TZM5234B	TZM5234B-GS08	SOD-80C	6.2	0.5	20	.06	.035	.025	.021
78-TZM5235B	TZM5235B-GS08	SOD-80C	6.8	0.5	20	.06	.035	.025	.021
78-TZM5236B	TZM5236B-GS08	SOD-80C	7.5	0.5	20	.06	.035	.025	.021
78-TZM5237B	TZM5237B-GS08	SOD-80C	8.2	0.5	20	.06	.035	.025	.021
78-TZM5238B	TZM5238B-GS08	SOD-80C	8.7	0.5	20	.06	.035	.025	.021
78-TZM5239B	TZM5239B-GS08	SOD-80C	9.1	0.5	20	.06	.035	.025	.021
78-TZM5240B	TZM5240B-GS08	SOD-80C	10	0.5	20	.06	.035	.025	.021
78-TZM5241B	TZM5241B-GS08	SOD-80C	11	0.5	20	.06	.035	.025	.021
78-TZM5242B	TZM5242B-GS08	SOD-80C	12	0.5	20	.06	.035	.025	.021
78-TZM5243B	TZM5243B-GS08	SOD-80C	13	0.5	9.5	.06	.035	.025	.021
78-TZM5244B	TZM5244B-GS08	SOD-80C	14	0.5	9.0	.06	.035	.025	.021
78-TZM5245B	TZM5245B-GS08	SOD-80C	15	0.5	8.5	.06	.035	.025	.021
78-TZM5246B	TZM5246B-GS08	SOD-80C	16	0.5	7.8	.06	.035	.025	.021
78-TZM5247B	TZM5247B-GS08	SOD-80C	17	0.5	7.4	.06	.035	.025	.021
78-TZM5248B	TZM5248B-GS08	SOD-80C	18	0.5	7.0	.06	.035	.025	.021
78-TZM5249B	TZM5249B-GS08	SOD-80C	19	0.5	6.6	.06	.035	.025	.021
78-TZM5250B	TZM5250B-GS08	SOD-80C	20	0.5	6.2	.06	.035	.025	.021
78-TZM5251B	TZM5251B-GS08	SOD-80C	22	0.5	5.6	.06	.035	.025	.021
78-TZM5252B	TZM5252B-GS08	SOD-80C	24	0.5	5.2	.06	.035	.025	.021
78-TZM5253B	TZM5253B-GS08	SOD-80C	25	0.5	5.0	.06	.035	.025	.021
78-TZM5254B	TZM5254B-GS08	SOD-80C	27	0.5	4.6	.06	.035	.025	.021
78-TZM5255B	TZM5255B-GS08	SOD-80C	28	0.5	4.5	.06	.035	.025	.021
78-TZM5256B	TZM5256B-GS08	SOD-80C	30	0.5	4.2	.06	.035	.025	.021
78-TZM5257B	TZM5257B-GS08	SOD-80C	33	0.5	3.8	.06	.035	.025	.021
78-TZM5258B	TZM5258B-GS08	SOD-80C	36	0.5	3.4	.06	.035	.025	.021
78-TZM5259B	TZM5259B-GS08	SOD-80C	39	0.5	3.2	.06	.035	.025	.021
78-TZM5260B	TZM5260B-GS08	SOD-80C	43	0.5	3.0	.06	.035	.025	.021
78-TZM5261B	TZM5261B-GS08	SOD-80C	47	0.5	2.7	.06	.035	.025	.021
78-TZM5262B	TZM5262B-GS08	SOD-80C	51	0.5	2.5	.06	.035	.025	.021
78-TZM5263B	TZM5263B-GS08	SOD-80C	56	0.5	2.2	.06	.035	.025	.021
78-TZM5264B	TZM5264B-GS08	SOD-80C	60	0.5	2.1	.06	.035	.025	.021
78-TZM5265B	TZM5265B-GS08	SOD-80C	62	0.5	2.0	.06	.035	.025	.021
78-TZM5266B	TZM5266B-GS08	SOD-80C	68	0.5	1.8	.06	.035	.025	.021
78-TZM5267B	TZM5267B-GS08	SOD-80C	75	0.5	1.7	.06	.035	.025	.021
625-ZM4730A	ZM4730A-GS08	MELF	3.9	1	64	.22	.14	.095	.08
625-ZM4731A	ZM4731A-GS08	MELF	4.3	1	58	.22	.14	.095	.08
625-ZM4732A	ZM4732A-GS08	MELF	4.7	1	53	.22	.14	.095	.08
625-ZM4733A	ZM4733A-GS08	MELF	5.1	1	49	.22	.14	.095	.08
625-ZM4734A	ZM4734A-GS08	MELF	5.6	1	45	.22	.14	.095	.08
625-ZM4735A	ZM4735A-GS08	MELF	6.2	1	41	.22	.14	.095	.08
625-ZM4736A	ZM4736A-GS08	MELF	6.8	1	37	.22	.14	.095	.08
625-ZM4737A	ZM4737A-GS08	MELF	7.5	1	34	.22	.14	.095	.08
625-ZM4738A	ZM4738A-GS08	MELF	8.2	1	31	.22	.14	.095	.08
625-ZM4739A	ZM4739A-GS08	MELF	9.1	1	28	.22	.14	.095	.08
625-ZM4740A	ZM4740A-GS08	MELF	10	1	25	.22	.14	.095	.08
625-ZM4741A	ZM4741A-GS08	MELF	11	1	23	.22	.14	.095	.08
625-ZM4742A	ZM4742A-GS08	MELF	12	1	21	.22	.14	.095	.08
625-ZM4743A	ZM4743A-GS08	MELF	13	1	19	.22	.14	.095	.08
625-ZM4744A	ZM4744A-GS08	MELF	15	1	17	.22	.14	.095	.08
625-ZM4745A	ZM4745A-GS08	MELF	16	1	15.5	.22	.14	.095	.08
625-ZM4746A	ZM4746A-GS08	MELF	18	1	14	.22	.14	.095	.08
625-ZM4747A	ZM4747A-GS08	MELF	20	1	12.5	.22	.14	.095	.08
625-ZM4748A	ZM4748A-GS08	MELF	22	1	11.5	.22	.14	.095	.08
625-ZM4749A	ZM4749A-GS08	MELF	24	1	10.5	.22	.14	.095	.08
625-ZM4750A	ZM4750A-GS08	MELF	27	1	9.5	.22	.14	.095	.08
625-ZM4751A	ZM4751A-GS08	MELF	30	1	8.5	.22	.14	.095	.08



SOT-23-3

MELF/SOD-80C

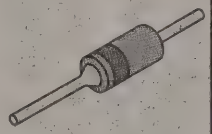
VISHAY Zener Diodes

Products may be RoHS compliant.
Check mouser.com for RoHS status.

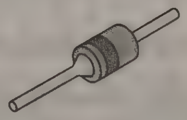
VISHAY ZENER DIODES (CONT.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Type	Nominal Voltage (V)	Power Rating (W)	Test Current (mA)	Price Each			
						1	100	500	1000
Thru-Hole									
78-1N5226B	1N5226B-TR	DO-35	3.3	0.5	20	.04	.024	.017	.014
78-1N5227B	1N5227B-TR	DO-35	3.6	0.5	20	.04	.024	.017	.014
78-1N5228B	1N5228B-TR	DO-35	3.9	0.5	20	.04	.024	.017	.014
78-1N5229B	1N5229B-TR	DO-35	4.3	0.5	20	.04	.024	.017	.014
78-1N5230B	1N5230B-TR	DO-35	4.7	0.5	20	.04	.024	.017	.014
78-1N5231B	1N5231B-TR	DO-35	5.1	0.5	20	.04	.024	.017	.014
78-1N5232B	1N5232B-TR	DO-35	5.6	0.5	20	.04	.024	.017	.014
78-1N5233B	1N5233B-TR	DO-35	6.0	0.5	20	.04	.024	.017	.014
78-1N5234B	1N5234B-TR	DO-35	6.2	0.5	20	.04	.024	.017	.014
78-1N5235B	1N5235B-TR	DO-35	6.8	0.5	20	.04	.024	.017	.014
78-1N5236B	1N5236B-TR	DO-35	7.5	0.5	20	.04	.024	.017	.014
78-1N5237B	1N5237B-TR	DO-35	8.2	0.5	20	.04	.024	.017	.014
78-1N5238B	1N5238B-TR	DO-35	8.7	0.5	20	.04	.024	.017	.014
78-1N5239B	1N5239B-TR	DO-35	9.1	0.5	20	.04	.024	.017	.014
78-1N5240B	1N5240B-TR	DO-35	10	0.5	20	.04	.024	.017	.014
78-1N5241B	1N5241B-TR	DO-35	11	0.5	20	.04	.024	.017	.014
78-1N5242B	1N5242B-TR	DO-35	12	0.5	20	.04	.024	.017	.014
78-1N5243B	1N5243B-TR	DO-35	13	0.5	9.5	.04	.024	.017	.014
78-1N5244B	1N5244B-TR	DO-35	14	0.5	9.0	.04	.024	.017	.014
78-1N5245B	1N5245B-TR	DO-35	15	0.5	8.5	.04	.024	.017	.014
78-1N5246B	1N5246B-TR	DO-35	16	0.5	7.8	.04	.024	.017	.014
78-1N5247B	1N5247B-TR	DO-35	17	0.5	7.4	.04	.024	.017	.014
78-1N5248B	1N5248B-TR	DO-35	18	0.5	7.0	.04	.024	.017	.014
78-1N5249B	1N5249B-TR	DO-35	19	0.5	6.6	.04	.024	.017	.014
78-1N5250B	1N5250B-TR	DO-35	20	0.5	6.2	.04	.024	.017	.014
78-1N5251B	1N5251B-TR	DO-35	22	0.5	5.6	.04	.024	.017	.014
78-1N5252B	1N5252B-TR	DO-35	24	0.5	5.2	.04	.024	.017	.014
78-1N5253B	1N5253B-TR	DO-35	25	0.5	5.0	.04	.024	.017	.014
78-1N5254B	1N5254B-TR	DO-35	27	0.5	4.6	.04	.024	.017	.014
78-1N5255B	1N5255B-TR	DO-35	28	0.5	4.5	.04	.024	.017	.014
78-1N5256B	1N5256B-TR	DO-35	30	0.5	4.2	.04	.024	.017	.014
78-1N5257B	1N5257B-TR	DO-35	33	0.5	3.8	.04	.024	.017	.014
78-1N5258B	1N5258B-TR	DO-35	36	0.5	3.4	.04	.024	.017	.014
78-1N5259B	1N5259B-TR	DO-35	39	0.5	3.2	.04	.024	.017	.014
78-1N5260B	1N5260B-TR	DO-35	43	0.5	3.0	.04	.024	.017	.014
78-1N5261B	1N5261B-TR	DO-35	47	0.5	2.7	.04	.024	.017	.014
78-1N5262B	1N5262B-TR	DO-35	51	0.5	2.5	.04	.024	.017	.014
78-1N5263B	1N5263B-TR	DO-35	56	0.5	2.2	.04	.024	.017	.014
78-1N5264B	1N5264B-TR	DO-35	60	0.5	2.1	.04	.024	.017	.014
78-1N5265B	1N5265B-TR	DO-35	62	0.5	2.0	.04	.024	.017	.014
78-1N5266B	1N5266B-TR	DO-35	68	0.5	1.8	.04	.024	.017	.014
78-1N5267B	1N5267B-TR	DO-35	75	0.5	1.7	.04	.024	.017	.014
78-1N4728A	1N4728A-TR	DO-41	3.3	1	76	.07	.042	.03	.025
78-1N4729A	1N4729A-TR	DO-41	3.6	1	69	.07	.042	.03	.025
78-1N4730A	1N4730A-TR	DO-41	3.9	1	64	.07	.042	.03	.025
78-1N4731A	1N4731A-TR	DO-41	4.3	1	58	.07	.042	.03	.025
78-1N4732A	1N4732A-TR	DO-41	4.7	1	53	.07	.042	.03	.025
78-1N4733A	1N4733A-TR	DO-41	5.1	1	49	.07	.042	.03	.025
78-1N4734A	1N4734A-TR	DO-41	5.6	1	45	.07	.042	.03	.025
78-1N4735A	1N4735A-TR	DO-41	6.2	1	41	.07	.042	.03	.025
78-1N4736A	1N4736A-TR	DO-41	6.8	1	37	.07	.042	.03	.025
78-1N4737A	1N4737A-TR	DO-41	7.5	1	34	.07	.042	.03	.025
78-1N4738A	1N4738A-TR	DO-41	8.2	1	31	.07	.042	.03	.025
78-1N4739A	1N4739A-TR	DO-41	9.1	1	28	.07	.042	.03	.025
78-1N4740A	1N4740A-TR	DO-41	10	1	25	.07	.042	.03	.025
78-1N4741A	1N4741A-TR	DO-41	11	1	23	.07	.042	.03	.025
78-1N4742A	1N4742A-TR	DO-41	12	1	21	.07	.042	.03	.025
78-1N4743A	1N4743A-TR	DO-41	13	1	19	.07	.042	.03	.025
78-1N4744A	1N4744A-TR	DO-41	15	1	17	.07	.042	.03	.025
78-1N4745A	1N4745A-TR	DO-41	16	1	15.5	.07	.042	.03	.025
78-1N4746A	1N4746A-TR	DO-41	18	1	14	.07	.042	.03	.025
78-1N4747A	1N4747A-TR	DO-41	20	1	12.5	.07	.042	.03	.025
78-1N4748A	1N4748A-TR	DO-41	22	1	11.5	.07	.042	.03	.025
78-1N4749A	1N4749A-TR	DO-41	24	1	10.5	.07	.042	.03	.025
78-1N4750A	1N4750A-TR	DO-41	27	1	9.5	.07	.042	.03	.025
78-1N4751A	1N4751A-TR	DO-41	30	1	8.5	.07	.042	.03	.025
78-1N4752A	1N4752A-TR	DO-41	33	1	7.5	.07	.042	.03	.025
78-1N4753A	1N4753A-TR	DO-41	36	1	7.0	.07	.042	.03	.025
78-1N4754A	1N4754A-TR	DO-41	39	1	6.5	.07	.042	.03	.025
78-1N4755A	1N4755A-TR	DO-41	43	1	6.0	.07	.042	.03	.025
78-1N4756A	1N4756A-TR	DO-41	47	1	5.5	.07	.042	.03	.025
78-1N4757A	1N4757A-TR	DO-41	51	1	5.0	.07	.042	.03	.025
78-1N4758A	1N4758A-TR	DO-41	56	1	4.5	.07	.042	.03	.025
78-1N4759A	1N4759A-TR	DO-41	62	1	4.0	.07	.042	.03	.025
78-1N4760A	1N4760A-TR	DO-41	68	1	3.7	.07	.042	.03	.025
78-1N4761A	1N4761A-TR	DO-41	75	1	3.3	.07	.042	.03	.025
78-1N4762A	1N4762A-TR	DO-41	82	1	3.0	.07	.056	.048	.036
78-1N4763A	1N4763A-TR	DO-41	91	1	2.8	.07	.056	.048	.036
78-1N4764A	1N4764A-TR	DO-41	100	1	2.5	.07	.056	.048	.036



DO-35



DO-41

VISHAY Rectifiers

RoHS Compliant This page of product is compliant.

A

DO-214BA

B

DO-214AC (SMA)
NEW FROM SUPPLIER

C

DO-204AL (DO-41)
NEW FROM SUPPLIER

D

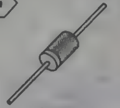
DO-214AA (SMB)
NEW FROM SUPPLIER

E

DO-214AB (SMB)
NEW FROM SUPPLIER

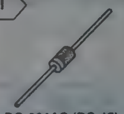
F

DO-201AD

G

P600

H

DO-220AA (SMP)
NEW FROM SUPPLIER

I

DO-204AC (DO-15)

VISHAY STANDARD SILICON

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each			
					1	100	500	1000
1.0 Amp - Surface Mount								
625-GF1A-E3	GF1A-E3/17A	A	50	30	.26	.21	.15	.12
625-S1A-E3	S1A-E3/61T	B	50	30	.12	.10	.07	.06
625-GF1B-E3	GF1B-E3/67A	A	100	30	.26	.21	.15	.12
625-S1B-E3	S1B-E3/61T	B	100	30	.12	.10	.07	.06
625-GF1D-E3	GF1D-E3/67A	A	200	30	.26	.21	.15	.12
625-S1D-E3	S1D-E3/61T	B	200	30	.12	.10	.07	.06
625-GF1G-E3	GF1G-E3/67A	A	400	30	.26	.21	.15	.12
625-S1G-E3	S1G-E3/61T	B	400	30	.12	.10	.07	.06
625-GF1J-E3	GF1J-E3/67A	A	600	30	.26	.21	.15	.12
625-S1J-E3	S1J-E3/61T	B	600	30	.12	.10	.07	.06
625-S1K-E3	S1K-E3/61T	B	800	30	.12	.10	.07	.06
625-GF1M-E3	GF1M-E3/67A	A	1000	30	.26	.21	.15	.12
625-S1M-E3	S1M-E3/61T	B	1000	30	.12	.10	.07	.06
1.0 Amp - Thru-Hole								
625-1N4001-E3	1N4001-E3/1	C	50	30	.04	.04	.03	.02
625-1N4002-E3	1N4002-E3/1	C	100	30	.04	.04	.03	.02
625-1N4003-E3	1N4003-E3/1	C	200	30	.04	.04	.03	.02
625-1N4004-E3	1N4004-E3/1	C	400	30	.04	.04	.03	.02
625-1N4005-E3	1N4005-E3/1	C	600	30	.04	.04	.03	.02
625-1N4006-E3	1N4006-E3/1	C	800	30	.04	.04	.03	.02
625-1N4007-E3	1N4007-E3/1	C	1000	30	.04	.04	.03	.02
2.0 Amp - Surface Mount								
625-S2A-E3	S2A-E3/52T	D	50	50	.18	.14	.10	.08
625-S2B-E3	S2B-E3/52T	D	100	50	.18	.14	.10	.08
625-S2D-E3	S2D-E3/52T	D	200	50	.18	.14	.10	.08
625-S2G-E3	S2G-E3/52T	D	400	50	.18	.14	.10	.08
625-S2J-E3	S2J-E3/52T	D	600	50	.18	.14	.10	.08
625-S2K-E3	S2K-E3/52T	D	800	50	.18	.14	.10	.08
625-S2M-E3	S2M-E3/52T	D	1000	50	.18	.14	.10	.08
3.0 Amp - Surface Mount								
625-S3A-E3	S3A-E3/57T	E	50	100	.29	.23	.16	.14
625-S3B-E3	S3B-E3/57T	E	100	100	.29	.23	.16	.14
625-S3D-E3	S3D-E3/57T	E	200	100	.29	.23	.16	.14
625-S3G-E3	S3G-E3/57T	E	400	100	.29	.23	.16	.14
625-S3J-E3	S3J-E3/57T	E	600	100	.29	.23	.16	.14
625-S3K-E3	S3K-E3/57T	E	800	100	.29	.23	.16	.14
625-S3M-E3	S3M-E3/57T	E	1000	100	.29	.23	.16	.14
3.0 - Thru-Hole								
625-1N5400-E3	1N5400-E3/54	F	50	200	.28	.22	.16	.13
625-1N5401-E3	1N5401-E3/54	F	100	200	.28	.22	.16	.13
625-1N5402-E3	1N5402-E3/54	F	200	200	.28	.22	.16	.13
625-1N5404-E3	1N5404-E3/54	F	400	200	.28	.22	.16	.13
625-1N5406-E3	1N5406-E3/54	F	600	200	.28	.22	.16	.13
625-1N5407-E3	1N5407-E3/54	F	800	200	.28	.22	.16	.13
625-1N5408-E3	1N5408-E3/54	F	1000	200	.28	.22	.16	.13
5.0 Amp - Surface Mount								
625-S5A-E3	S5A-E3/57T	E	50	100	.32	.25	.18	.15
625-S5B-E3	S5B-E3/57T	E	100	100	.32	.25	.18	.15
625-S5D-E3	S5D-E3/57T	E	200	100	.32	.25	.18	.15
625-S5G-E3	S5G-E3/57T	E	400	100	.32	.25	.18	.15
625-S5J-E3	S5J-E3/57T	E	600	100	.32	.25	.18	.15
625-S5K-E3	S5K-E3/57T	E	800	100	.32	.25	.18	.15
625-S5M-E3	S5M-E3/57T	E	1000	100	.32	.25	.18	.15
6.0 Amp - Thru-Hole								
625-GI750-E3	GI750-E3/1	G	50	400	.57	.45	.32	.27
625-GI751-E3	GI751-E3/1	G	100	400	.57	.45	.32	.27
625-GI752-E3	GI752-E3/1	G	200	400	.57	.45	.32	.27
625-GI754-E3	GI754-E3/1	G	400	400	.57	.45	.32	.27
625-GI756-E3	GI756-E3/1	G	600	400	.57	.45	.32	.27
625-GI758-E3	GI758-E3/1	G	800	400	.57	.45	.32	.27

VISHAY GENERAL PURPOSE GLASS PASSIVATED

RoHS Compliant

For quantities of 2000 and up, call for quote.

1.0 Amp - Surface Mount								
625-S1PB-E3	S1PB-E3/84A	H	100	30	.25	.19	.14	.12
625-S1PD-E3	S1PD-E3/84A	H	200	30	.25	.19	.14	.12
625-S1PG-E3	S1PG-E3/84A	H	400	30	.25	.19	.14	.12
625-S1PJ-E3	S1PJ-E3/84A	H	600	30	.25	.19	.14	.12
625-S1PM-E3	S1PM-E3/84A	H	1000	30	.25	.19	.14	.12
1.0 Amp - Thru-Hole								
625-1N4001GP-E3	1N4001GP-E3/1	C	50	30	.11	.09	.07	.05
625-1N4002GP-E3	1N4002GP-E3/1	C	100	30	.11	.09	.07	.05
625-1N4003GP-E3	1N4003GP-E3/1	C	200	30	.11	.09	.07	.05
625-1N4004GP-E3	1N4004GP-E3/1	C	400	30	.11	.09	.07	.05
625-1N4005GP-E3	1N4005GP-E3/1	C	600	30	.11	.09	.07	.05
625-1N4006GP-E3	1N4006GP-E3/1	C	800	30	.11	.09	.07	.05
625-1N4007GP-E3	1N4007GP-E3/1	C	1000	30	.11	.09	.07	.05

VISHAY FAST RECOVERY

RoHS Compliant

For quantities of 2000 and up, call for quote.

1.0 Amp - Surface Mount								
625-RS1A-E3	RS1A-E3/61T	B	50	30	.17	.13	.10	.09
625-RS1B-E3	RS1B-E3/61T	B	100	30	.17	.13	.10	.09
625-RS1D-E3	RS1D-E3/61T	B	200	30	.17	.13	.10	.09
625-RS1G-E3	RS1G-E3/61T	B	400	30	.17	.13	.10	.09
625-RS1J-E3	RS1J-E3/61T	B	600	30	.17	.13	.10	.09
625-RS1K-E3	RS1K-E3/61T	B	800	30	.17	.13	.10	.09

VISHAY FAST RECOVERY (CONT.)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each			
					1	100	500	1000
1.0 Amp - Thru-Hole								
625-1N4933-E3	1N4933-E3/54	C	50	200	.06	.04	.03	.03
625-1N4934-E3	1N4934-E3/54	C	100	200	.06	.04	.03	.03
625-1N4935-E3	1N4935-E3/54	C	200	200	.06	.04	.03	.03
625-1N4936-E3	1N4936-E3/54	C	400	200	.06	.04	.03	.03
625-1N4937-E3	1N4937-E3/54	C	600	200	.06	.04	.03	.03
1.5 Amp - Surface Mount								
625-RS2A-E3	RS2A-E3/52T	D	50	50	.28	.21	.16	.14
625-RS2B-E3	RS2B-E3/52T	D	100	50	.28	.21	.16	.14
625-RS2D-E3	RS2D-E3/52T	D	200	50	.28	.21	.16	.14
625-RS2G-E3	RS2G-E3/52T	D	400	50	.28	.21	.16	.14
625-RS2J-E3	RS2J-E3/52T	D	600	50	.28	.21	.16	.14
625-RS2K-E3	RS2K-E3/52T	D	800	50	.28	.21	.16	.14
3.0 Amp - Surface Mount								
625-RS3A-E3	RS3A-E3/57T	E	50	100	.44	.33	.25	.22
625-RS3B-E3	RS3B-E3/57T	E	100	100	.44	.33	.25	.22
625-RS3D-E3	RS3D-E3/57T	E	200	100	.44	.33	.25	.22
625-RS3G-E3	RS3G-E3/57T	E	400	100	.44	.33	.25	.22
625-RS3J-E3	RS3J-E3/57T	E	600	100	.44	.33	.25	.22
625-RS3K-E3	RS3K-E3/57T	E	800	100	.44	.33	.25	.22
3.0 Amp - Thru-Hole								
625-GI850-E3	GI850-E3/54	F	50	200	.29	.22	.17	.14
625-GI851-E3	GI851-E3/54	F	100	200	.29	.22	.17	.14
625-GI852-E3	GI852-E3/54	F	200	200	.29	.22	.17	.14
625-GI854-E3	GI854-E3/54	F	400	200	.29	.22	.17	.14
625-GI856-E3	GI856-E3/54	F	600	200	.29	.22	.17	.14
5.0 Amp - Thru-Hole								
625-GI820-E3	GI820-E3/51	G	50	300	.69	.52	.40	.34
625-GI821-E3	GI821-E3/51	G	100	300	.69	.52	.40	.34
625-GI822-E3	GI822-E3/51	G	200	300	.69	.52	.40	.34
625-GI824-E3	GI824-E3/51	G	400	300	.69	.52	.40	.34
625-GI826-E3	GI826-E3/51	G	600	300	.69	.52	.40	.34
625-GI828-E3	GI828-E3/51	G	800	300	.69	.52	.40	.34

VISHAY FAST RECOVERY GLASS PASSIVATED

RoHS Compliant

For quantities of 2000 and up, call for quote.

1.0 Amp - Thru-Hole								
625-1N4933GP-E3	1N4933GP-E3/54	C	50	200	.10	.062	.043	.036
625-1N4934GP-E3	1N4934GP-E3/54	C	100	200	.11	.081	.063	.054
625-1N4935GP-E3	1N4935GP-E3/54	C	200	200	.11	.081	.063	.054
625-1N4936GP-E3	1N4936GP-E3/54	C	400	200	.11	.081	.063	.054
625-1N4937GP-E3	1N4937GP-E3/54	C	600	200	.11	.081	.063	.054

VISHAY ULTRA FAST

RoHS Compliant

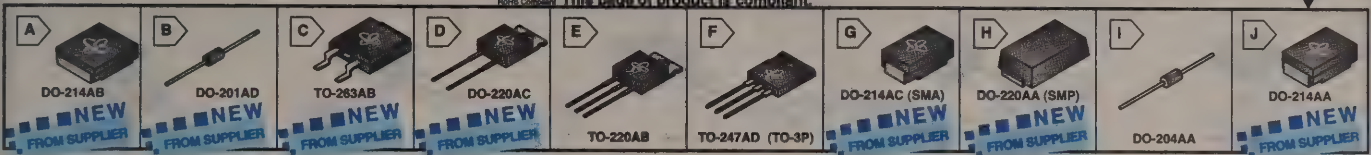
For quantities of 2000 and up, call for quote.

1.0 Amp - Surface Mount								
625-EGF1A-E3	EGF1A-E3/67A	A	50	30	.26	.19	.15	.13
625-ES1A-E3	ES1A-E3/61T	B	50	30	.18	.13	.10	.09
625-US1A-E3	US1A-E3/61T	B	50	30	.22	.16	.13	.11
625-EGF1B-E3	EGF1B-E3/67A	A	100	30	.26	.19	.15	.13
625-ES1B-E3	ES1B-E3/61T	B	100	30	.18	.13	.10	.09
625-US1B-E3	US1B-E3/61T	B	100	30	.22	.16	.13	.11
625-ES1PB-E3	ES1PB-E3/84A	H	100	30	.29	.22	.17	.14
625-ESH1PB-E3	ESH1PB-E3/84A	H	100	50	.31	.23	.18	.15
625-EGF1C-E3	EGF1C-E3/67A	A	150	30	.26	.19	.15	.13
625-ES1C-E3	ES1C-E3/61T	B	150	30	.18	.13	.10	.09
625-ES1PC-E3	ES1PC-E3/84A	H	150	30	.29	.22	.17	.14
625-ESH1PC-E3	ESH1PC-E3/84A	H	150	50	.31	.23	.18	.15
625-EGF1D-E3	EGF1D-E3/67A	A	200	30	.26	.19	.15	.13
625-ES1D-E3	ES1D-E3/61T	B	200	30	.18	.13	.10	.09
625-ES1PD-E3	ES1PD-E3/84A	H	200	30	.29	.22	.17	.14
625-ESH1PD-E3	ESH1PD-E3/84A	H	200	50	.31	.23	.18	.15
625-MURS120-E3	MURS120-E3/52T	D	200	40	.30	.23	.18	.15
625-US1D-E3	US1D-E3/61T	B	200	30	.22	.16	.13	.11
625-MURS140-E3	MURS140-E3/52T	D	400	40	.30	.23	.18	.15
625-US1G-E3	US1G-E3/61T	B	400	30	.22	.16	.13	.11
625-MURS160-E3	MURS160-E3/52T	D	600	40	.30	.23	.18	.15
625-US1J-E3	US1J-E3/61T	B	600	30	.22	.16	.13	.11
625-US1K-E3	US1K-E3/61T	B	800	30	.22	.16	.13	.11
625-US1M-E3	US1M-E3/61T	B	1000	30	.22	.16	.13	.11
1.0 Amp - Thru-Hole								
625-UF4001-E3	UF4001-E3/54	C	50	30	.18	.13	.10	.09
625-UF4002-E3	UF4002-E3/54	C	100	30	.18	.13	.10	.09
625-UF4003-E3	UF4003-E3/54	C	200	30	.18	.13	.10	.09
625-UF4004-E3	UF4004-E3/54	C	400	30	.18	.13	.10	.09
625-UF4005-E3	UF4005-E3/54	C	600	30	.18	.13	.10	.09
625-UF4006-E3	UF4006-E3/54	C	800	30	.18	.13	.10	.09
625-UF4007-E3	UF4007-E3/54	C	1000	30	.18	.13	.10	.09
2.0 Amp - Surface Mount								
625-ES2A-E3	ES2A-E3/52T	D	50	50	.34	.25	.20	.17
625-ES2B-E3	ES2B-E3/52T	D	100	50	.34	.25	.20	.17
625-ES2D-E3	ES2D-E3/52T	D	200	50	.34	.25	.20	.17
625-ES2F-E3	ES2F-E3/52T	D	300	50	.34	.25	.20	.17
625-ES2G-E3	ES2G-E3/52T	D	400	50	.34	.25	.20	.17
2.0 Amp - Thru-Hole								
625-EGP20A-E3	EGP20A-E3/54	I	50	75	.28	.21	.16	.14
625-EGP20B-E3	EGP20B-E3/1	I	100	75	.28	.21	.16	.14
625-EGP20D-E3	EGP20D-E3/54	I	200	75	.28	.21	.16	.14

VISHAY Rectifiers

VISHAY

RoHS Compliant **This page of product is compliant.**



VISHAY ULTRA FAST (CONT.)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each			
					1	100	500	1000
3.0 Amp - Surface Mount								
625-ES3A-E3	ES3A-E3/57T	A	50	100	.53	.40	.31	.26
625-ES3B-E3	ES3B-E3/57T	A	100	100	.53	.40	.31	.26
625-ES3C-E3	ES3C-E3/57T	A	150	100	.53	.40	.31	.26
625-ES3D-E3	ES3D-E3/57T	A	200	100	.53	.40	.31	.26
625-MURS320-E3	MURS320-E3/57T	A	200	125	.58	.44	.34	.29
625-ES3F-E3	ES3F-E3/57T	A	300	100	.57	.43	.33	.29
625-ES3G-E3	ES3G-E3/57T	A	400	100	.57	.43	.33	.29
625-MURS340-E3	MURS340-E3/57T	A	400	125	.53	.40	.31	.27
625-MURS360-E3	MURS360-E3/57T	A	600	125	.53	.40	.31	.27
3.0 Amp - Thru-Hole								
625-UF5400-E3	UF5400-E3/1	B	50	150	.41	.31	.24	.20
625-UF5401-E3	UF5401-E3/1	B	100	150	.41	.31	.24	.20
625-UF5402-E3	UF5402-E3/1	B	200	150	.41	.31	.24	.20
625-UF5403-E3	UF5403-E3/1	B	300	150	.41	.31	.24	.20
625-UF5404-E3	UF5404-E3/1	B	400	150	.41	.31	.24	.20
625-UF5405-E3	UF5405-E3/1	B	500	150	.44	.33	.26	.22
625-UF5406-E3	UF5406-E3/1	B	600	150	.44	.33	.26	.22
625-UF5407-E3	UF5407-E3/1	B	800	150	.44	.33	.26	.22
625-UF5408-E3	UF5408-E3/1	B	1000	150	.44	.33	.26	.22
6.0 Amp - Surface Mount								
625-FEPB6AT-E3	FEPB6AT-E3/31	C	50	100	1.03	.77	.60	.51
625-FEPB6BT-E3	FEPB6BT-E3/31	C	100	100	1.03	.77	.60	.51
625-FEPB6CT-E3	FEPB6CT-E3/31	C	150	100	1.03	.77	.60	.51
625-FEPB6DT-E3	FEPB6DT-E3/31	C	200	100	1.03	.77	.60	.51
8.0 Amp - Surface Mount								
625-UGB8AT-E3	UGB8AT-E3/31	C	50	150	1.13	.85	.66	.57
625-UGB8BT-E3	UGB8BT-E3/31	C	100	150	1.13	.85	.66	.57
625-UGB8CT-E3	UGB8CT-E3/31	C	150	150	1.13	.85	.66	.57
625-UGB8DT-E3	UGB8DT-E3/31	C	200	150	1.13	.85	.66	.57
625-UGB8GT-E3	UGB8GT-E3/31	C	400	110	1.06	.80	.62	.53
625-UGB8JT-E3	UGB8JT-E3/31	C	600	100	1.35	1.01	.79	.67
8.0 Amp - Thru-Hole								
625-FES8AT-E3	FES8AT-E3/45	D	50	125	.96	.72	.56	.48
625-FES8BT-E3	FES8BT-E3/45	D	100	125	.96	.72	.56	.48
625-FES8DT-E3	FES8DT-E3/45	D	200	125	.96	.72	.56	.48
10.0 Amp - Surface Mount								
625-UGB10BCT-E3	UGB10BCT-E3/81	C	100	55	1.11	.83	.65	.55
625-UGB10CCT-E3	UGB10CCT-E3/81	C	150	55	1.11	.83	.65	.55
625-UGB10DCT-E3	UGB10DCT-E3/81	C	200	55	1.11	.83	.65	.55
625-UGB10FCT-E3	UGB10FCT-E3/81	C	300	60	1.26	.95	.74	.63
625-UHB10FT-E3	UHB10FT-E3/4W	C	300	180	1.13	.85	.66	.56
625-UGB10GCT-E3	UGB10GCT-E3/81	C	400	60	1.26	.95	.74	.63
10.0 Amp - Thru-Hole								
625-UH10FT-E3	UH10FT-E3/4W	D	300	180	1.04	.78	.61	.52
16.0 Amp - Surface Mount								
625-FEPB16AT-E3	FEPB16AT-E3/81	C	50	200	1.59	1.19	.93	.79
625-FESB16AT-E3	FESB16AT-E3/45	C	50	250	1.67	1.25	.97	.83
625-FEPB16BT-E3	FEPB16BT-E3/81	C	100	200	1.59	1.19	.93	.79
625-FESB16BT-E3	FESB16BT-E3/45	C	100	250	1.67	1.25	.97	.83
625-FEPB16CT-E3	FEPB16CT-E3/81	C	150	200	1.59	1.19	.93	.79
625-FESB16CT-E3	FESB16CT-E3/45	C	150	250	1.67	1.25	.97	.83
625-FEPB16DT-E3	FEPB16DT-E3/81	C	200	200	1.59	1.19	.93	.79
625-FESB16DT-E3	FESB16DT-E3/45	C	200	250	1.67	1.25	.97	.83
625-FEPB16FT-E3	FEPB16FT-E3/81	C	300	125	1.76	1.32	1.03	.88
625-FESB16FT-E3	FESB16FT-E3/45	C	300	250	1.73	1.30	1.01	.86
625-FEPB16GT-E3	FEPB16GT-E3/81	C	400	125	1.76	1.32	1.03	.88
625-FESB16GT-E3	FESB16GT-E3/45	C	400	250	1.73	1.30	1.01	.86
625-FEPB16JT-E3	FEPB16JT-E3/81	C	600	125	1.76	1.32	1.03	.88
625-FESB16JT-E3	FESB16JT-E3/45	C	600	250	1.73	1.30	1.01	.86
16.0 Amp - Thru-Hole								
625-FEP16AT-E3	FEP16AT-E3/45	E	50	200	1.49	1.12	.87	.74
625-FES16AT-E3	FES16AT-E3/45	D	50	200	1.34	1.00	.78	.67
625-FEP16BT-E3	FEP16BT-E3/45	E	100	200	1.49	1.12	.87	.74
625-FES16BT-E3	FES16BT-E3/45	D	100	200	1.34	1.00	.78	.67
625-FES16CT-E3	FES16CT-E3/45	D	150	200	1.34	1.00	.78	.67
625-FEP16DT-E3	FEP16DT-E3/45	E	200	200	1.49	1.12	.87	.74
625-FES16DT-E3	FES16DT-E3/45	D	200	200	1.34	1.00	.78	.67
625-FEP16FT-E3	FEP16FT-E3/45	E	300	200	1.50	1.13	.88	.75
625-FES16FT-E3	FES16FT-E3/45	D	300	200	1.36	1.02	.79	.68
625-FEP16GT-E3	FEP16GT-E3/45	E	400	200	1.50	1.13	.88	.75
625-FES16GT-E3	FES16GT-E3/45	D	400	200	1.36	1.02	.79	.68
625-FEP16JT-E3	FEP16JT-E3/45	E	600	200	1.50	1.13	.88	.75
625-FES16JT-E3	FES16JT-E3/45	D	600	200	1.36	1.02	.79	.68
30.0 Amp - Thru-Hole								
625-FEP30AP-E3	FEP30AP-E3/45	F	50	300	2.87	2.16	1.68	1.44
625-FEP30BP-E3	FEP30BP-E3/45	F	100	300	2.87	2.16	1.68	1.44
625-FEP30DP-E3	FEP30DP-E3/45	F	200	300	2.87	2.16	1.68	1.44
625-FEP30FP-E3	FEP30FP-E3/45	F	300	300	3.12	2.34	1.82	1.56
625-FEP30GP-E3	FEP30GP-E3/45	F	400	300	3.12	2.34	1.82	1.56

VISHAY SHOTTKY BARRIER

RoHS Compliant

For quantities of 2000 and up, call for quote.

1.0 Amp - Surface Mount								
625-SS12-E3	SS12-E3/61T	G	20	30	.15	.12	.09	.08

VISHAY SCHOTTKY BARRIER (CONT)

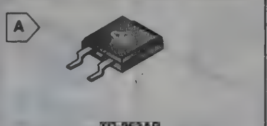
RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each			
					1	100	500	1000
1.0 Amp - Surface Mount (cont.)								
625-SS13-E3	SS13-E3/61T	G	30	30	.15	.12	.09	.08
625-SS1P3L-E3	SS1P3L-E3/84A	H	30	50	.25	.19	.14	.12
625-SS14-E3	SS14-E3/61T	G	40	30	.15	.12	.09	.08
625-SS1P4L-E3	SS1P4L-E3/84A	H	40	50	.25	.19	.14	.12
625-SS15-E3	SS15-E3/61T	G	50	30	.17	.13	.098	.084
625-SS16-E3	SS16-E3/61T	G	60	30	.17	.13	.098	.084
625-SS1H10-E3	SS1H10-E3/61T	G	100	50	.20	.15	.11	.098
1.0 Amp - Thru-Hole								
625-1N5817-E3	1N5817-E3/54	H	20	25	.12	.093	.073	.062
625-1N5818-E3	1N5818-E3/54	H	30	25	.12	.093	.073	.062
625-1N5819-E3	1N5819-E3/54	H	40	25	.12	.093	.073	.062
1.5 Amp - Surface Mount								
625-SL12-E3	SL12-E3/61T	G	20	50	.18	.13	.10	.09
625-SL13-E3	SL13-E3/61T	G	30	50	.18	.13	.10	.09
2.0 Amp - Surface Mount								
625-SS22-E3	SS22-E3/52T	I	20	50	.34	.26	.20	.17
625-SS2P2-E3	SS2P2-E3/84A	H	20	50	.25	.19	.14	.12
625-SS2P2L-E3	SS2P2L-E3/84A	H	20	50	.25	.19	.14	.12
625-SL22-E3	SL22-E3/52T	J	20	100	.37	.28	.22	.18
625-SS23-E3	SS23-E3/52T	I	30	50	.34	.26	.20	.17
625-SS2P3-E3	SS2P3-E3/84A	H	30	50	.25	.19	.14	.12
625-SS2P3L-E3	SS2P3L-E3/84A	H	30	50	.25	.19	.14	.12
625-SSA23L-E3	SSA23L-E3/61T	G	30	60	.21	.16	.12	.11
625-SL23-E3	SL23-E3/52T	J	30	100	.37	.28	.22	.18
625-SS24-E3	SS24-E3/52T	I	40	50	.34	.26	.20	.17
625-SS2P4-E3	SS2P4-E3/84A	H	40	50	.25	.19	.14	.12
625-SSA24-E3	SSA24-E3/61T	G	40	60	.20	.15	.12	.10
625-SS25-E3	SS25-E3/52T	I	50	50	.35	.26	.21	.18
625-SS26-E3	SS26-E3/52T	I	60	50	.35	.26	.21	.18
625-SS2P6-E3	SS2P6-E3/84A	H	60	50	.21	.15	.12	.10
625-SS2H10-E3	SS2H10-E3/52T	J	100	75	.32	.24	.18	.16
3.0 Amp - Surface Mount								
625-SS32-E3	SS32-E3/57T	A	20	100	.46	.35	.27	.23
625-SS3P3-E3	SS3P3-E3/84A	H	30	50	.17	.13	.10	.09
625-SSA33L-E3	SSA33L-E3/61T	G	30	75	.29	.22	.17	.15
625-SS33-E3	SS33-E3/57T	A	30	100	.46	.35	.27	.23
625-SS3P4-E3	SS3P4-E3/84A	H	40	50	.34	.26	.20	.17
625-SSA34-E3	SSA34-E3/61T	G	40	75	.26	.20	.15	.13
625-SS34-E3	SS34-E3/57T	A	40	100	.46	.35	.27	.23
625-SS35-E3	SS35-E3/57T	A	50	100	.48	.36	.28	.24
625-SS36-E3	SS36-E3/57T	A	60	100	.48	.36	.28	.24
625-SS3H9-E3	SS3H9-E3/57T	A	90	100	.50	.38	.29	.25
625-SS3H10-E3	SS3H10-E3/57T	A	100	100	.50	.38	.29	.25
3.0 Amp - Thru-Hole								
625-1N5820-E3	1N5820-E3/54	B	20	80	.29	.22	.17	.15
625-SB320-E3	SB320-E3/51	B	20	100	.29	.22	.17	.15
625-1N5821-E3	1N5821-E3/54	B	30	80	.29	.22	.17	.15
625-SB330-E3	SB330-E3/51	B	30	100	.29	.22	.17	.15
625-1N5822-E3	1N5822-E3/54	B	40	80	.29	.22	.17	.15
625-SB340-E3	SB340-E3/51	B	40	100	.29	.22	.17	.15
625-SB350-E3	SB350-E3/51	B	50	100	.33	.25	.19	.16
625-SB360-E3	SB360-E3/51	B	60	100	.33	.25	.19	.16
625-SB3H90-E3	SB3H90-E3/54	B	90	100	.35	.26	.20	.17
625-SB3H100-E3	SB3H100-E3/54	B	100	100	.35	.26	.20	.17
4.0 Amp - Surface Mount								
625-SL42-E3	SL42-E3/57T	A	20	150	.84	.63	.49	.42
625-SSB43L-E3	SSB43L-E3/52T	J	30	100	.38	.29	.22	.19
625-SL43-E3	SL43-E3/57T	A	30	150	.84	.63	.49	.42
625-SSB44-E3	SSB44-E3/52T	J	40	100	.32	.24	.19	.16
625-SL44-E3	SL44-E3/57T	A	40	150	.84	.63	.49	.42
5.0 Amp - Surface Mount								
625-SSC53L-E3	SSC53L-E3/57T	A	30	175	.47	.35	.27	.24
625-SSC54-E3	SSC54-E3/57T	A	40	175	.46	.34	.27	.23
7.5 Amp - Surface Mount								
625-MBRB735-E3	MBRB735-E3/81	J	35	150	1.03	.78	.60	.52
625-MBRB745-E3	MBRB745-E3/81	J	45	150	1.03	.78	.60	.52
625-MBRB750-E3	MBRB750-E3/81	J	50	150	.98	.74	.57	.49
625-MBRB760-E3	MBRB760-E3/81	J	60	150	.98	.74	.57	.49
7.5 Amp - Thru-Hole								
625-MBR735-E3	MBR735-E3/45	D	35	150	.79	.59	.46	.40
625-MBR745-E3	MBR745-E3/45	D	45	150	.79	.59	.46	.40
10.0 Amp - Surface Mount								
625-SBLB10L25-E3	SBLB10L25-E3/81	C	25	240	1.55	1.16	.90	.77
625-SBLB10L30-E3	SBLB10L30-E3/81	C	30	200	1.20	.90	.70	.60
625-MBRB1035-E3	MBRB1035-E3/81	C	35	150	1.02	.77	.60	.51
625-SBLB1030CT-E3	SBLB1030CT-E3/45	C	30	250	1.22	.92	.71	.61
625-SBLB1040CT-E3	SBLB1040CT-E3/45	C	40	250	1.22	.92	.71	.61
625-MBRB1045-E3	MBRB1045-E3/81	C	45	150	1.02	.77	.60	.51
625-MBRB1050-E3	MBRB1050-E3/81	C	50	150	1.03	.77	.60	.51
625-MBRB1060-E3	MBRB1060-E3/81	C	60	150	1.03	.77	.60	.51
625-MBRB1090-E3	MBRB1090-E3/81	C	60	150	1.55	1.16	.90	.78
625-MBRB10100-E3	MBRB10100-E3/81	C	100	150	1.55	1.16	.90	.78
10.0 Amp - Thru-Hole								
625-MBR1035-E3	MBR1035-E3/45	D	35	150	.95	.72	.56	.48
625-MBR1045-E3	MBR1045-E3/45	D	45	150	.95	.72	.56	.48

VISHAY Rectifiers

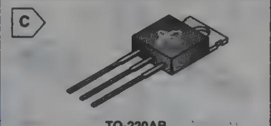
RoHS Compliant This page of product is compliant.



TO-263AB

B
NEW
FROM SUPPLIER

TO-220AC

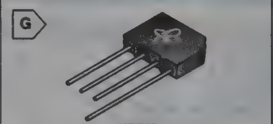


TO-220AB

TO-247AD, (TO-3P)

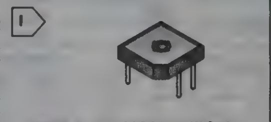
DFS

DFM



KBPM

WG



GSPC6 Series, GBPC12-35W Series

GBPC12-35 Series

VISHAY SCHOTTKY BARRIER (CONT.)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each			
					1	100	500	1000
15.0 Amp - Surface Mount								
625-MBRB1535CT-E3	MBRB1535CT-E3/81	A	35	150	1.24	.93	.73	.62
625-MBRB1545CT-E3	MBRB1545CT-E3/81	A	45	150	1.24	.93	.73	.62
625-MBRB1550CT-E3	MBRB1550CT-E3/81	A	50	150	1.23	.92	.72	.62
625-MBRB1560CT-E3	MBRB1560CT-E3/81	A	60	150	1.23	.92	.72	.62
15.0 Amp - Thru-Hole								
625-MBR1535CT-E3	MBR1535CT-E3/45	B	35	150	1.10	.83	.64	.55
625-MBR1545CT-E3	MBR1545CT-E3/45	B	45	150	1.10	.83	.64	.55
16.0 Amp - Surface Mount								
625-SBLB1630CT-E3	SBLB1630CT-E3/81	A	30	250	1.41	1.06	.82	.71
625-MBRB1635-E3	MBRB1635-E3/45	A	35	150	1.26	.95	.74	.63
625-SBLB1640CT-E3	SBLB1640CT-E3/81	A	40	250	1.41	1.06	.82	.71
625-MBRB1645-E3	MBRB1645-E3/45	A	45	150	1.26	.95	.74	.63
625-MBRB1650-E3	MBRB1650-E3/45	A	50	150	1.29	.97	.75	.64
625-MBRB1660-E3	MBRB1660-E3/81	A	60	150	1.29	.97	.75	.64
16.0 Amp - Thru-Hole								
625-MBR1635-E3	MBR1635-E3/45	C	35	150	1.15	.86	.67	.57
625-MBR1645-E3	MBR1645-E3/45	C	45	150	1.15	.86	.67	.57
20.0 Amp - Surface Mount								
625-SBLB2030CT-E3	SBLB2030CT-E3/45	A	30	175	1.41	1.06	.82	.71
625-MBRB2035CT-E3	MBRB2035CT-E3/45	A	35	150	1.38	1.04	.81	.69
625-SBLB2040CT-E3	SBLB2040CT-E3/45	A	40	175	1.41	1.06	.82	.71
625-MBRB2045CT-E3	MBRB2045CT-E3/45	A	45	150	1.38	1.04	.81	.69
625-MBRB2050CT-E3	MBRB2050CT-E3/45	A	50	150	1.50	1.13	.88	.75
625-MBRB2060CT-E3	MBRB2060CT-E3/45	A	60	150	1.50	1.13	.88	.75
625-MBRB2090CT-E3	MBRB2090CT-E3/45	A	60	150	2.19	1.64	1.27	1.09
625-MBRB20100CT-E3	MBRB20100CT-E3/45	A	100	150	2.19	1.64	1.27	1.09
20.0 Amp - Thru-Hole								
625-SBL2030CT-E3	SBL2030CT-E3/45	B	30	175	1.19	.89	.69	.60
625-MBR2035CT-E3	MBR2035CT-E3/45	B	35	150	1.44	1.08	.84	.72
625-SBL2040CT-E3	SBL2040CT-E3/45	B	40	175	1.19	.89	.69	.60
625-MBR2045CT-E3	MBR2045CT-E3/45	B	45	150	1.44	1.08	.84	.72
25.0 Amp - Surface Mount								
625-SBLB25L20CT-E3	SBLB25L20CT-E3/45	A	20	180	1.78	1.33	1.04	.89
625-SBLB25L30CT-E3	SBLB25L30CT-E3/45	A	30	180	1.78	1.33	1.04	.89
625-MBRB2535CT-E3	MBRB2535CT-E3/45	A	35	150	1.86	1.39	1.08	.93
625-MBRB2545CT-E3	MBRB2545CT-E3/45	A	45	150	1.86	1.39	1.08	.93
625-MBRB2550CT-E3	MBRB2550CT-E3/45	A	50	150	1.97	1.48	1.15	.99
625-MBRB2560CT-E3	MBRB2560CT-E3/45	A	60	150	1.97	1.48	1.15	.99
25.0 Amp - Thru-Hole								
625-MBR2535CT-E3	MBR2535CT-E3/45	B	35	150	1.81	1.36	1.06	.90
625-MBR2545CT-E3	MBR2545CT-E3/45	B	45	150	1.81	1.36	1.06	.90
30.0 Amp - Surface Mount								
625-MBRB3035CT-E3	MBRB3035CT-E3/45	A	35	200	1.86	1.39	1.08	.93
625-MBRB3045CT-E3	MBRB3045CT-E3/45	A	45	200	1.86	1.39	1.08	.93
30.0 Amp - Thru-Hole								
625-MBR3035PT-E3	MBR3035PT-E3/45	D	35	200	2.34	1.76	1.37	1.17
625-MBR3045PT-E3	MBR3045PT-E3/45	D	45	200	2.34	1.76	1.37	1.17
40.0 Amp - Thru-Hole								
625-MBR4035PT-E3	MBR4035PT-E3/45	D	35	400	2.65	1.99	1.55	1.33
625-MBR4045PT-E3	MBR4045PT-E3/45	D	45	400	2.65	1.99	1.55	1.33
40.0 Amp (2 X 20) - Thru-Hole								
625-VTS40100CT-E3	VTS40100CT-E3/45	B	100	250	2.48	1.86	1.45	1.24

VISHAY BRIDGE RECTIFIERS

RoHS Compliant

For quantities of 2000 and up, call for quote.

1.0 Amp - Surface Mount								
625-DF005S-E3	DF005S-E3/45	E	50	50	.52	.39	.30	.26
625-DF01S-E3	DF01S-E3/45	E	100	50	.52	.39	.30	.26
625-DF02S-E3	DF02S-E3/45	E	200	50	.52	.39	.30	.26
625-DF04S-E3	DF04S-E3/45	E	400	50	.52	.39	.30	.26
625-DF06S-E3	DF06S-E3/45	E	600	50	.52	.39	.30	.26
625-DF08S-E3	DF08S-E3/45	E	800	50	.52	.39	.30	.26
1.0 Amp - Thru-Hole								
625-DF005M-E3	DF005M-E3/45	F	50	50	.49	.37	.29	.24
625-DF01M-E3	DF01M-E3/45	F	100	50	.49	.37	.29	.24
625-DF02M-E3	DF02M-E3/45	F	200	50	.49	.37	.29	.24
625-DF04M-E3	DF04M-E3/45	F	400	50	.49	.37	.29	.24
625-DF06M-E3	DF06M-E3/45	F	600	50	.49	.37	.29	.24

VISHAY BRIDGE RECTIFIERS (CONT.)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	PRV (V)	IFM Surge (A)	Price Each			
					1	100	500	1000
1.0 Amp - Thru-Hole (cont.)								
625-DF08M-E3	DF08M-E3/45	F	800	50	.49	.37	.29	.24
625-DF10M-E3	DF10M-E3/45	F	1000	50	.49	.37	.29	.24
1.5 Amp - Thru-Hole								
625-KBP005M-E4	KBP005M-E4/45	G	50	30	.58	.43	.34	.29
625-W005G-E4	W005G-E4/51	H	50	50	.52	.39	.30	.26
625-KBP01M-E4	KBP01M-E4/45	G	100	30	.58	.43	.34	.29
625-W01G-E4	W01G-E4/51	H	100	50	.52	.39	.30	.26
625-KBP02M-E4	KBP02M-E4/45	G	200	30	.58	.43	.34	.29
625-W02G-E4	W02G-E4/51	H	200	50	.52	.39	.30	.26
625-KBP04M-E4	KBP04M-E4/45	G	400	30	.58	.43	.34	.29
625-W04G-E4	W04G-E4/51	H	400	50	.52	.39	.30	.26
625-KBP06M-E4	KBP06M-E4/45	G	600	30	.58	.43	.34	.29
625-W06G-E4	W06G-E4/51	H	600	50	.52	.39	.30	.26
625-KBP08M-E4	KBP08M-E4/45	G	800	30	.58	.43	.34	.29
625-W08G-E4	W08G-E4/51	H	800	50	.52	.39	.30	.26
625-KBP10M-E4	KBP10M-E4/45	G	1000	30	.58	.43	.34	.29
625-W10G-E4	W10G-E4/51	H	1000	50	.52	.39	.30	.26
2.0 Amp - Thru-Hole								
625-2KBP005M-E4	2KBP005M-E4/45	G	50	60	.59	.44	.34	.29
625-2KBP01M-E4	2KBP01M-E4/45	G	100	60	.59	.44	.34	.29
625-2KBP02M-E4	2KBP02M-E4/45	G	200	60	.59	.44	.34	.29
625-2KBP04M-E4	2KBP04M-E4/45	G	400	60	.59	.44	.34	.29
625-2KBP06M-E4	2KBP06M-E4/45	G	600	60	.59	.44	.34	.29
625-2KBP08M-E4	2KBP08M-E4/45	G	800	60	.59	.44	.34	.29
625-2KBP10M-E4	2KBP10M-E4/45	G	1000	60	.59	.44	.34	.29
6.0 Amp - Thru-Hole								
625-GBPC6005-E4	GBPC6005-E4/51	I	50	175	2.10	1.58	1.23	1.05
625-GBPC601-E4	GBPC601-E4/51	I	100	175	2.10	1.58	1.23	1.05
625-GBPC602-E4	GBPC602-E4/51	I	200	175	2.10	1.58	1.23	1.05
625-GBPC604-E4	GBPC604-E4/51	I	400	175	2.10	1.58	1.23	1.05
625-GBPC606-E4	GBPC606-E4/51	I	600	175	2.10	1.58	1.23	1.05
625-GBPC608-E4	GBPC608-E4/51	I	800	175	2.10	1.58	1.23	1.05
625-GBPC610-E4	GBPC610-E4/51	I	1000	175	2.10	1.58	1.23	1.05
12.0 Amp - Thru-Hole								
625-GBPC12005-E4	GBPC12005-E4/51	I	50	200	4.72	3.54	2.75	2.36
625-GBPC1201-E4	GBPC1201-E4/51	I	100	200	4.72	3.54	2.75	2.36
625-GBPC1202-E4	GBPC1202-E4/51	I	200	200	4.72	3.54	2.75	2.36
625-GBPC1204-E4	GBPC1204-E4/51	I	400	200	4.72	3.54	2.75	2.36
625-GBPC1206-E4	GBPC1206-E4/51	I	600	200	4.72	3.54	2.75	2.36
625-GBPC1208-E4	GBPC1208-E4/51	I	800	200	4.72	3.54	2.75	2.36
625-GBPC1210-E4	GBPC1210-E4/51	I	1000	200	4.72	3.54	2.75	2.36
25.0 Amp - Thru-Hole								
625-GBPC25005-E4	GBPC25005-E4/51	J	50	300	4.72	3.54	2.75	2.36
625-GBPC25005W-E4	GBPC25005W-E4/51	I	50	300	4.72	3.54	2.75	2.36
625-GBPC2501-E4	GBPC2501-E4/51	J	100	300	4.72	3.54	2.75	2.36
625-GBPC2501W-E4	GBPC2501W-E4/51	I	100	300	4.72	3.54	2.75	2.36
625-GBPC2502-E4	GBPC2502-E4/51	J	200	300	4.72	3.54	2.75	2.36
625-GBPC2502W-E4	GBPC2502W-E4/51	I	200	300	4.72	3.54	2.75	2.36
625-GBPC2504-E4	GBPC2504-E4/51	J	400	300	4.72	3.54	2.75	2.36
625-GBPC2504W-E4	GBPC2504W-E4/51	I	400	300	4.72	3.54	2.75	2.36
625-GBPC2506-E4	GBPC2506-E4/51	J	600	300	4.72	3.54	2.75	2.36
625-GBPC2506W-E4	GBPC2506W-E4/51	I	600	300	4.72	3.54	2.75	2.36
625-GBPC2508-E4	GBPC2508-E4/51	J	800	300	4.72	3.54	2.75	2.36
625-GBPC2508W-E4	GBPC2508W-E4/51	I	800	300	4.72	3.54	2.75	2.36
625-GBPC2510-E4	GBPC2510-E4/51	J	1000	300	4.72	3.54	2.75	2.36
625-GBPC2510W-E4	GBPC2510W-E4/51	I	1000	300	4.72	3.54	2.75	2.36
35.0 Amp - Thru-Hole								
625-GBPC35005-E4	GBPC35005-E4/51	J	50	400	5.46	4.09	3.18	2.73
625-GBPC35005W-E4	GBPC35005W-E4/51	I	50	400	5.24	3.93	3.06	2.62
625-GBPC3501-E4	GBPC3501-E4/51	J	100	400	5.46	4.09	3.18	2.73
625-GBPC3501W-E4	GBPC3501W-E4/51	I	100	400	5.24	3.93	3.06	2.62
625-GBPC3502-E4	GBPC3502-E4/51	J	200	400	5.46	4.09	3.18	2.73
625-GBPC3502W-E4	GBPC3502W-E4/51	I	200	400	5.24	3.93	3.06	2.62
625-GBPC3504-E4	GBPC3504-E4/51	J	400	400	5.46	4.09	3.18	2.73
625-GBPC3504W-E4	GBPC3504W-E4/51	I	400	400	5.24	3.93	3.06	2.62
625-GBPC3506-E4	GBPC3506-E4/51	J	600	400	5.46	4.09	3.18	2.73
625-GBPC3506W-E4	GBPC3506W-E4/51	I	600	400	5.24	3.93	3.06	2.62
625-GBPC3508-E4	GBPC3508-E4/51	J	800	400	5.46	4.09	3.18	2.73
625-GBPC3508W-E4	GBPC3508W-E4/51	I	800	400	5.24	3.93	3.06	2.62
625-GBPC3510-E4	GBPC3510-E4/51	J	1000	400	5.46	4.09	3.18	2.73
625-GBPC3510W-E4	GBPC3510W-E4/51	I	1000	400	5.24	3.93	3.06	2.62

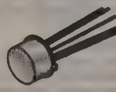
SILICONIX Diodes

RoHS Compliant **This page of product is compliant.**

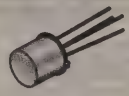
SOT-23-3

TO-92

TO-18


TO-78

TO-71


TO-72

LOW LEAKAGE DIODES

RoHS Compliant

The PAD/JPAD/SSTPAD series of extremely low-leakage diodes provides a superior alternative to conventional diode technology when reverse current (leakage) must be minimized. They feature leakage currents ranging from –1 pA (PAD1) to –100 pA (SSTPAD100) to support a wide range of applications. These devices are well suited for use in applications such as input protection for operational amplifiers. The hermetically sealed TO-206AF (TO-72) package allows full military processing per MIL-S-19500. The TO-226A (TO-92) plastic package provides a low-cost option. The TO-236 (SOT-23) package provides surface-mount capability.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Reverse Current (pA)	Breakdown Voltage		Forward Voltage (Max)(V)	Reverse Capacitance (Max)(pF)	Forward Current (Max)(mA)	Price Each			
				(Min)(V)	(Max)(V)				1	100	500	1000
Surface Mount												
781-SSTPAD5-E3	SSTPAD5-E3	SOT-23-3	- 5.0	- 35	-----	1.5	2	10	.48	.39	.37	.33
781-SSTPAD100-E3	SSTPAD100-E3	SOT-23-3	- 100	- 35	-----	1.5	2	10	.59	.48	.45	.41
Thru-Hole												
781-DPAD1-E3	DPAD1-E3	TO-78	- 1.0	- 45	- 120	1.5	0.8	50	16.38	13.26	12.48	11.31
781-PAD1-E3	PAD1-E3	TO-72	- 1.0	- 45	- 120	1.5	0.8	50	4.62	3.74	3.52	3.19
781-DPAD5-E3	DPAD5-E3	TO-71	- 5.0	- 45	- 120	1.5	0.8	50	9.03	7.31	6.88	6.24
781-PAD5-E3	PAD5-E3	TO-72	- 5.0	- 45	- 120	1.5	0.8	50	3.78	3.06	2.88	2.61
781-JPAD5-E3	JPAD5-E3	TO-92	- 5.0	- 35	-----	1.5	2	10	.95	.77	.72	.65
781-DPAD50-E3	DPAD50-E3	TO-71	- 50	- 35	-----	1.5	2	50	5.04	4.08	3.84	3.48
781-JPAD50-E3	JPAD50-E3	TO-92	- 50	- 35	-----	1.5	2	10	.82	.66	.62	.57
781-PAD50-E3	PAD50-E3	TO-18	- 50	- 35	-----	1.5	2	50	2.94	2.38	2.24	2.03

CURRENT REGULATOR DIODES

RoHS Compliant

These current regulators are designed for demanding applications in test equipment and instrumentation. These devices utilize the JFET techniques to produce a device which is extremely simple to operate. With nominal current ranges from 0.24 mA to 4.7 mA, these devices will meet a wide array of design requirements. These come in the low-cost TO-92 and SOT-23 package for cost-effective design solutions and the TO-18 hermetically sealed package for high reliability designs.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Nominal Forward Current (mA)	Forward Current Tolerance (%)	Limiting Voltage (Max)(V)	Peak Operating Voltage (Min)(V)	Dynamic Impedance (Min)(kΩ)	Knee Impedance (Typ)(kΩ)	Price Each			
									1	100	500	1000
Surface Mount												
781-SST502-E3	SST502-E3	SOT-23-3	0.43	20	1.5	45	1000	700	1.83	1.48	1.39	1.26
781-SST503-E3	SST503-E3	SOT-23-3	0.56	20	1.7	45	700	200	1.83	1.48	1.39	1.26
781-SST504-E3	SST504-E3	SOT-23-3	0.75	20	1.9	45	500	400	1.66	1.34	1.26	1.15
781-SST505-E3	SST505-E3	SOT-23-3	1.00	20	2.1	45	400	300	1.83	1.48	1.39	1.26
781-SST506-E3	SST506-E3	SOT-23-3	1.40	20	2.5	45	300	200	1.66	1.34	1.26	1.15
781-SST507-E3	SST507-E3	SOT-23-3	1.80	20	2.8	45	200	120	1.83	1.48	1.39	1.26
781-SST508-E3	SST508-E3	SOT-23-3	2.40	20	3.1	45	100	80	1.83	1.48	1.39	1.26
781-SST509-E3	SST509-E3	SOT-23-3	3.00	20	3.5	45	90	60	1.83	1.48	1.39	1.26
781-SST510-E3	SST510-E3	SOT-23-3	3.60	20	3.9	45	80	40	1.83	1.48	1.39	1.26
Thru-Hole												
781-J502-E3	J502-E3	TO-92	0.43	20	2.1	50	1500	1100	1.62	1.31	1.23	1.12
781-J503-E3	J503-E3	TO-92	0.56	20	2.1	50	1200	800	1.91	1.55	1.46	1.32
781-J504-E3	J504-E3	TO-92	0.75	20	2.1	50	800	550	1.62	1.31	1.23	1.12
781-J505-E3	J505-E3	TO-92	1.00	20	2.1	50	500	400	1.91	1.55	1.46	1.32
781-J506-E3	J506-E3	TO-92	1.40	20	2.1	50	330	250	1.62	1.31	1.23	1.12
781-CR160-E3	CR160-E3	TO-18	1.60	10	1.65	100	475	400	8.19	6.63	6.24	5.66
781-CR180-E3	CR180-E3	TO-18	1.80	10	1.75	100	420	340	7.77	6.29	5.92	5.37
781-J507-E3	J507-E3	TO-92	1.80	20	2.1	50	200	190	1.91	1.55	1.46	1.32
781-CR200-E3	CR200-E3	TO-18	2.00	10	1.85	100	395	280	6.93	5.61	5.28	4.79
781-CR220-E3	CR220-E3	TO-18	2.20	10	1.95	100	370	250	6.30	5.10	4.80	4.35
781-CR240-E3	CR240-E3	TO-18	2.40	10	2	100	345	220	6.30	5.10	4.80	4.35
781-J508-E3	J508-E3	TO-92	2.40	20	2.1	50	200	130	1.91	1.55	1.46	1.32
781-CR270-E3	CR270-E3	TO-18	2.70	10	2.15	100	320	190	6.30	5.10	4.80	4.35
781-CR300-E3	CR300-E3	TO-18	3.00	10	2.25	100	300	160	6.30	5.10	4.80	4.35
781-J509-E3	J509-E3	TO-92	3.00	20	2.1	50	150	90	1.91	1.55	1.46	1.32
781-CR330-E3	CR330-E3	TO-18	3.30	10	2.35	100	280	140	6.30	5.10	4.80	4.35
781-CR360-E3	CR360-E3	TO-18	3.60	10	2.5	100	265	130	7.25	5.87	5.52	5.00
781-J510-E3	J510-E3	TO-92	3.60	20	2.1	50	150	70	1.91	1.55	1.46	1.32
781-CR390-E3	CR390-E3	TO-18	3.90	10	2.6	100	255	120	7.46	6.04	5.68	5.15
781-CR430-E3	CR430-E3	TO-18	4.30	10	2.75	100	245	100	7.67	6.21	5.84	5.29
781-CR470-E3	CR470-E3	TO-18	4.70	10	2.9	100	235	90	7.67	6.21	5.84	5.29

ZETEX Diodes

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZETEX SEMICONDUCTORS

NEW FROM SUPPLIER

RoHS Compliant

ZETEX SCHOTTKY BARRIER DIODES

Zetex schottky barrier diodes offer the combined benefits of an excellent high performance specification in miniature surface mount packages. An optimized geometry / process with superior packaging gives an unmatched IF/VF performance and PD capability, enabling significant space savings, circuit efficiencies and cost effective solutions to larger package options

Features:
- Low forward voltage
- High current capability
- Fast recovery time
- Miniature package size

Applications:
- DC-DC conversion
- Distributed and auxiliary supplies
- High frequency rectification
- Mobile telecommunications, PCMCIA (flashcards) and SCSI LAN PSUs
- Charger circuits

♦ **Surface Mount**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Device Type	V_R Max. (V)	I_F Max. (A)	V_F@I_F		I_R@		I_{FSM} Max. (A)	Price Each			
						Max. (mV)	(mA)	Max.(μA)	V_R		1	10	100	250
♦522-BAT54TA	BAT54TA	SOT-23	Single	30	200	500	30	4	25	0.6	.27	.20	.14	.12
♦522-BAT54ATA	BAT54ATA	SOT-23	Common Anode	30	200	500	30	4	25	0.6	.43	.32	.22	.18
♦522-BAT54CTA	BAT54CTA	SOT-23	Common Cathode	30	200	500	30	4	25	0.6	.43	.32	.22	.18
♦522-BAT54STA	BAT54STA	SOT-23	Series	30	200	500	30	4	25	0.6	.43	.32	.22	.18
♦522-ZHCS400TA	ZHCS400TA	SOD-323	-----	40	400	500	400	40	30	6.75	.49	.36	.24	.21
♦522-ZHCS1000TA	ZHCS1000TA	SOT-23	-----	40	1000	425	1000	100	30	12	.68	.50	.34	.29
♦522-ZHCS2000TA	ZHCS2000TA	SOT-23-6	-----	40	2000	500	2000	300	30	20	.95	.70	.47	.40

ZETEX LOW LEAKAGE SCHOTTKY RECTIFIER DIODES

Zetex has strengthened its current Schottky range with the introduction of 4 new surface mount, high current, very low leakage, fast switching Schottky diodes which complement the existing low VF, ZHCS series (ideal for lower temperature operation). These new low leakage diodes are ideally suited to address applications requiring efficient operation at higher temperatures, often a significant limitation of conventional Schottky types. The ZLLS series diodes are provided in choice of packages which relate directly to die size and IF performance ensuring that designers have the optimum choice of package size / performance / cost.

Features:
- VR - 40V
- Very low VF at high temperature operation (above 85°C)
- Very low leakage capability in all packages
- High temperature operation of ZLLS diodes compliment the existing range of ZHCS series (optimized for operation at lower temperatures)

Applications:
- Automotive power conversion
- DC conversion (telecom DC modules)
- Charging circuits
- High frequency rectification
- Motor control
- Battery powered equipment

♦ **Surface Mount**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	V_R Max (V)	I_F Max. (A)	V_F@I_F		IR @ 30V Max. (μA)	Trr (ns)	CD @ 30V (pF)	PD W	Price Each			
					Max. (mV)	(mA)					1	10	100	250
♦522-ZLLS350TA	ZLLS350TA	SOD-523	40	0.38	1000	275	4	1	3.5	0.36	.51	.38	.26	.22
♦522-ZLLS500TA	ZLLS500TA	SOT-23	40	0.52	530	500	10	2.46	15.5	0.33	.59	.44	.31	.24
♦522-ZLLS400TA	ZLLS400TA	SOD-323	40	0.7	500	400	10	2.46	15.5	0.5	.51	.38	.27	.21
♦522-ZLLS1000TA	ZLLS1000TA	SOT-23	40	1.16	560	1000	40	3.71	65	1.1	.70	.52	.35	.30
♦522-ZLLS2000TA	ZLLS2000TA	SOT-23-6	40	2.2	540	2000	20	2.58	31	0.625	.97	.72	.50	.40

ZETEX LOW VOLTAGE HYPERABRUPT VARACTOR DIODES

The 950 series of low voltage octave tuning or hyperabrupt diodes are particularly suited to applications with 3 volt supplies

Features:
- VHF-UHF operation
- Close tolerance CV characteristics
- High tuning ratio
- High Q

Applications:
- Phase locked VCO systems
- Battery powered systems including DAB receiver modules
- VCXO in ADSL modem chipsets

♦ **Surface Mount**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Capacitance V_R=0.5V, f=1MHz Min (pF)	Capacitance V_R=1.5V, f=1MHz		Capacitance C0.5/C2.5, f=1MHz	Q VR=0.5V, f=50MHz	Price Each			
				Min.	Max.	Min.		1	10	100	250
♦522-ZMDC953TA	ZMDC953TA	SOT-323	45	30	37	2	200	1.00	.79	.69	.60
♦522-ZV953V2TA	ZV953V2TA	SOD-523	45	30	37	2	200	.91	.72	.63	.55
♦522-ZV950V2TA	ZV950V2TA	SOD-523	9.5	6.3	7.8	2	250	.87	.69	.61	.53
♦522-ZV952V2TA	ZV952V2TA	SOD-523	19	12.7	15.7	2	250	.87	.69	.61	.53

ZETEX 12 AND 25 VOLTAGE HYPERABRUPT VARACTOR DIODES

Features:
- Close tolerance C-V characteristics
- High tuning ratio
- Low IR (typically 200pA)
- Excellent phase noise performance
- High Q
- Range of miniature surface mount packages

Applications:
- VCXO and TCXO
- Wireless communications
- Pagers
- Mobile radio

♦ **Surface Mount**

12 Voltage

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Voltage	Capacitance V_R=1V, f=1MHz	Capacitance V_R=2.5V, f=1MHz		Capacitance V_R=4V, f=1MHz	Q V_R=4V, f=50MHz	Price Each			
				Min. (pF)	Min. (pF)	Max. (pF)	Max. (pF)	Min. (pF)	1	10	100	250
♦522-ZC930TA	ZC930TA	SOT-23	12	8.7	4.3	5.5	2.9	200	2.38	1.87	1.66	1.44
♦522-ZC932TA	ZC932TA	SOT-23	12	17	8.5	10.5	5.5	200	2.38	1.87	1.66	1.44
♦522-ZC933TA	ZC933TA	SOT-23	12	42	18	27	12	150	2.38	1.87	1.66	1.44
♦522-ZMV933TA	ZMV933TA	SOD-323	12	42	18	27	12	150	1.68	1.32	1.17	1.02
♦522-ZC933ATA	ZC933ATA	SOT-23	12	42	20.25	24.75	12	150	2.38	1.87	1.66	1.44
♦522-ZC934TA	ZC934TA	SOT-23	12	95	40	65	25	80	2.38	1.87	1.66	1.44
♦522-ZC934ATA	ZC934ATA	SOT-23	12	95	47.25	57.75	25	80	2.38	1.87	1.66	1.44
♦522-ZMV934ATA	ZMV934ATA	SOD-323	12	95	47.25	57.75	25	80	1.68	1.32	1.17	1.02

25 Voltage

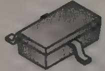
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	Voltage	Capacitance V_R=2V, f=1MHz	Capacitance Ratio C_2/C_{20} at f=MHz		Q V_R=3V, f=50MHz	Price Each			
				Typ. (pF)	Min. (pF)	Max. (pF)	Min. (pF)	1	10	100	250
♦522-ZC830ATA	ZC830ATA	SOT-23	25	10	4.5	6	300	1.68	1.32	1.17	1.02
♦522-ZC831ATA	ZC831ATA	SOT-23	25	15	4.5	6	300	1.51	1.19	1.05	.92
♦522-ZC832ATA	ZC832ATA	SOT-23	25	22	5	6.5	200	1.68	1.32	1.17	1.02
♦522-ZC836BTA	ZC836BTA	SOT-23	25	100	5	6.5	100	1.81	1.42	1.26	1.10

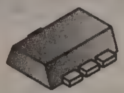
CEL RF Transistors

RoHS Compliant This page of product is compliant.

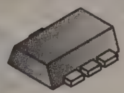
CEL California Eastern Laboratories

A

SOT-23

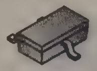
Standard Pin Connections
1. Emitter
2. Base
3. Collector

B

M03

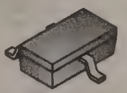
Standard Pin Connections
1. Emitter
2. Base
3. Collector

C

M13

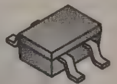
Standard Pin Connections
1. Emitter
2. Base
3. Collector

D

Mini-3

Standard Pin Connections
1. Emitter
2. Base
3. Collector

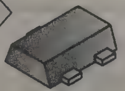
E

SOT-323

Standard Pin Connections
1. Emitter
2. Base
3. Collector

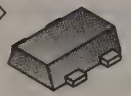
F

SOT-143, 343, 143R

Standard Pin Connections
1. Collector
2. Emitter
3. Base
4. Emitter

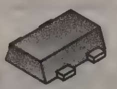
Reverse Pin Connections
1. Emitter
2. Collector
3. Emitter
4. Base

G

M33

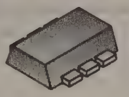
Standard Pin Connections
1. Emitter
2. Base
3. Collector

H

M04

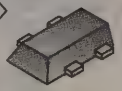
Standard Pin Connections
1. Emitter
2. Collector
3. Emitter
4. Base

I

M05

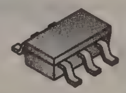
Standard Pin Connections
1. Base
2. Emitter
3. Collector
4. Emitter

J

M16

Standard Pin Connections
1. Collector 4. Base
2. Emitter 5. Emitter
3. Emitter 6. Emitter

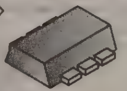
K

M14

Standard Pin Connections
1. Collector
2. Emitter
3. Base
4. NC (Connected w/Pin 2)

L

SOT-363

Standard Pin Connections for UPA801T UPA806T
1. C1 4. E2
2. E1 5. B2
3. C2 6. B1

Standard Pin Connections for UPA801T UPA812 T UPA814T
1. C1 4. E2
2. B2 5. E1
3. C2 6. B1

M

TD

Standard Pin Connections
1. C1 4. B2
2. E1 5. E2
3. C2 6. B1

CEL California Eastern Laboratories

SMALL SIGNAL SILICON BIPOLAR TRANSISTORS

NEW FROM SUPPLIER

RoHS Compliant

♦ Surface Mount Device

For quantities of 2000 and up, call for quote.

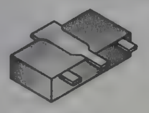
MOUSER STOCK NO.	CEL Part No.	Fig.	Test f. (GHz)	NF/GA		NF TYP (dB)	GA TYP (dB)	Insertion Power Gain			fT TYP (GHz)	hFE TYP	IC MAX (mA)	Price Each			
				VCE (V)	IC (mA)			VCE (V)	IC (mA)	TYP (dB)				1	100	500	1000
Low Current, Low Voltage Applications																	
♦551-NE97833-A	NE97833-A	A	1.0	-10.0	-3	2.0	7.0	-10.0	-15	10.0	5.5	40	-50	2.45	1.96	1.67	1.47
♦551-NE97733-A	NE97733-A	A	1.0	-8.0	-3	1.5	10.0	-8.0	-20	12.0	8.5	60	-50	4.83	3.86	3.28	2.90
♦551-NE681M03-A	NE681M03-A	B	1.0	2.5	3	1.0	13.0	2.5	3	16.0	7.0	110	65	.68	.54	.46	.41
♦551-NE681M13-A	NE681M13-A	C	1.0	3.0	7	1.4	-----	3.0	7	12.0	7.0	110	65	.50	.40	.34	.30
♦551-NE68119-A	NE68119-A	D	1.0	8.0	7	1.4	14.0	8.0	20	14.0	7.0	120	65	.78	.62	.53	.47
♦551-NE68130-A	NE68130-A	E	1.0	8.0	7	1.5	13.5	8.0	20	13.0	7.0	120	65	.70	.56	.48	.42
♦551-NE68133-A	NE68133-A	A	1.0	8.0	7	1.2	13.0	8.0	20	11.0	9.0	100	65	.78	.62	.53	.47
♦551-NE68139-A	NE68139-A	F	1.0	8.0	7	1.2	13.5	8.0	20	15.0	9.0	100	65	.78	.62	.53	.47
♦551-NE85619-A	NE85619	D	1.0	10.0	7	1.4	12.5	3.0	7	9.0	4.5	120	100	.53	.42	.36	.32
♦551-NE85630-A	NE85630-A	E	1.0	10.0	7	1.3	12.0	10.0	20	12.0	4.5	110	100	.68	.54	.46	.41
♦551-NE85633L-A	NE85633L-A	A	1.0	10.0	7	1.4	9.0	10.0	20	11.5	7.0	120	100	.68	.54	.46	.41
♦551-NE85639-A	NE85639-A	F	1.0	10.0	7	1.5	13.5	10.0	20	13.0	7.0	120	100	.68	.54	.46	.41
♦551-NESG2107M33-A	NESG2107M33-A	G	2.0	1.0	1	0.9	10.0	1.0	5	9.0	10.0	180	100	1.30	1.04	.88	.78
♦551-NE68619-A	NE68619-A	D	2.0	1.0	3	1.5	8.5	1.0	5	9.0	12.0	100	10	.95	.76	.65	.57
♦551-NE68719-A	NE68719-A	D	2.0	1.0	3	1.3	7.5	1.0	10	7.5	9.0	100	30	.35	.28	.24	.21
♦551-NESG204619-A	NESG204619-A	D	2.0	1.0	3	0.8	11.0	-----	-----	-----	18.0	180	40	1.28	1.02	.87	.77
♦551-NESG210719-A	NESG210719-A	D	2.0	1.0	5	0.9	9.0	-----	-----	-----	10.0	180	100	1.28	1.02	.87	.77
♦551-NE661M04-A	NE661M04-A	H	2.0	2.0	2	1.2	16.0	2.0	5	17.0	25.0	70	12	.53	.42	.36	.32
♦551-NE856M03-A	NE856M03-A	B	2.0	2.0	2	1.2	10.0	2.0	5	17.0	25.0	70	12	.55	.44	.37	.33
♦551-NESG2021M05-A	NESG2021M05-A	I	2.0	2.0	3	0.9	18.0	3.0	10	22.5	-----	195	35	1.03	.82	.70	.62
♦551-NESG2021M16-A	NESG2021M16-A	J	2.0	2.0	3	0.9	18.0	3.0	10	22.5	-----	195	35	1.03	.82	.70	.62
♦551-NESG2030M04-A	NESG2030M04-A	H	2.0	2.0	5	0.9	16.0	2.0	20	20.0	60.0	300	35	.70	.56	.48	.42
♦551-NESG2031M05-A	NESG2031M05-A	I	2.0	2.0	5	0.8	17.0	3.0	20	21.5	-----	195	35	1.03	.82	.70	.62
♦551-NESG2031M16-A	NESG2031M16-A	J	2.0	2.0	5	0.8	17.0	3.0	20	21.5	-----	195	35	1.05	.84	.71	.63
♦551-NESG2101M05-A	NESG2101M05-A	I	2.0	2.0	5	0.6	13.0	3.0	50	13.5	-----	130	100	1.23	.98	.83	.74
♦551-NESG2101M16-A	NESG2101M16-A	J	2.0	2.0	5	0.6	13.0	3.0	50	13.5	-----	130	100	1.28	1.02	.87	.77
♦551-NE662M04-A	NE662M04-A	H	2.0	2.0	5	1.1	16.0	2.0	20	20.0	23.0	70	35	.73	.58	.49	.44
♦551-NESG3032M14-A	NESG3032M14-A	K	2.0	2.0	6	0.6	17.5	3.0	20	20.5	-----	300	35	1.18	.94	.80	.71
♦551-NE663M04-A	NE663M04-A	H	2.0	2.0	10	1.2	10.0	2.0	50	15.0	18.0	100	100	.90	.72	.61	.54
♦551-NE68518-A	NE68518-A	F	2.0	3.0	3	1.5	8.5	3.0	10	11.0	12.0	110	30	.95	.76	.65	.57
♦551-NE68519-A	NE68519-A	D	2.0	3.0	3	1.5	7.5	3.0	10	9.0	12.0	110	30	.48	.38	.32	.29
♦551-NE68530-A	NE68530-A	E	2.0	3.0	3	1.5	7.0	3.0	10	8.5	12.0	110	30	.83	.66	.56	.50
♦551-NE68819-A	NE68819-A	D	2.0	3.0	7	1.5	8.0	3.0	20	8.0	9.5	120	100	.35	.28	.24	.21
♦551-NE68833-A	NE68833-A	A	2.0	3.0	7	1.5	7.5	3.0	20	6.5	8.5	120	100	.78	.62	.53	.47
♦551-NE68019-A	NE68019-A	D	2.0	6.0	5	1.9	9.5	6.0	10	9.0	10.0	120	35	.68	.54	.46	.41
♦551-NE68030-A	NE68030-A	E	2.0	6.0	5	1.7	9.5	6.0	10	8.5	10.0	100	35	.88	.70	.60	.53
♦551-NE68033-A	NE68033-A	A	2.0	6.0	5	1.8	9.0	6.0	10	8.0	10.0	100	35	.88	.70	.60	.53
♦551-NE68039-A	NE68039-A	F	2.0	6.0	5	1.7	11.0	6.0	10	9.0	10.0	100	35	.95	.76	.65	.57
♦551-NESG3031M05-A	NESG3031M05-A	I	5.8	2.0	6	1.1	9.5	3.0	20	8.5	-----	300	35	1.15	.92	.78	.69
♦551-NESG3031M14-A	NESG3031M14-A	K	5.2	2.0	6	0.95	10.0	3.0	20	9.0	-----	300	35	1.18	.94	.80	.71
Low Noise Applications																	
♦551-UPA801T-A	UPA801T-A	L	1.0	3.0	7	1.2	10.0	3.0	7	9	4.5	120	100	1.03	.82	.70	.62
♦551-UPA810T-A	UPA810T-A	L	1.0	3.0	7	1.2	10.0	3.0	7	9.0	4.5	120	100	1.03	.82	.70	.62
♦551-UPA812T-A	UPA812T-A	L	1.0	3.0	7	1.4	14.0	3.0	7	12.0	7.0	100	65	1.23	.98	.83	.74
♦551-UPA895TD-A	UPA895TD-A	M	2.0	1.0	10	1.9	9.0	1.0	15	5.5	5.0	120	100	1.23	.98	.83	.74
♦551-NE851M03-A	NE851M03-A	B	2.0	1.0	15	1.9	---	1.0	15	5.5	6.5	120	100	.65	.52	.44	.39
♦551-NE851M13-A	NE851M13-A	C	2.0	1.0	15	1.9	---	1.0	15	5.5	6.5	120	100	.50	.40	.34	.30
♦551-NE894M13-A	NE894M13-A	C	2.0	1.0	20	1.4	---	1.0	20	13	20.0	75	35	.65	.52	.44	.39
♦551-UPA861TD-A	UPA861TD-A	M	2.0	1.0	3/5	1.5/1.4	9.0/12.5	1.0	10/20	9.0/13	12/20	105/75	30/35	1.28	1.02	.87	.77
♦551-UPA806T-A	UPA806T-A	L	2.0	3.0	3	1.5	7.5	3.0	10	8.5	12.0	110	30	1.23	.98	.83	.74
♦551-UPA862TD-A	UPA862TD-A	M	2.0	3.0/1.0	3/10	1.5/1.9	9.5/9.0	3/1	10/15	8.5/5.5	12/5	110/120	30/100	1.23	.98	.83	.74

CEL RF Transistors

CEL California Eastern Laboratories

RoHS Compliant This page of product is compliant.

A

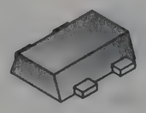


SOT-89-3

Standard Pin Connections

1. Emitter
2. Collector
3. Base

B

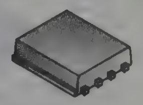


M04

Standard Pin Connections

1. Emitter
2. Collector
3. Emitter
4. Base

C

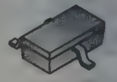


TU

Standard Pin Connections

1. Collector (2)
2. N. C.
3. Emitter
4. Base (1)
5. Collector (1)
6. Emitter
7. Base (2)
8. Bias

D

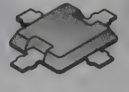


Mini-3

Standard Pin Connections

1. Emitter
2. Collector
3. Base

E

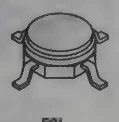


79A

Standard Pin Connections

1. Gate
2. Source
3. Drain

F

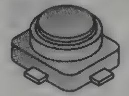


S01

Standard Pin Connections

1. Source
2. Drain
3. Source
4. Gate

G

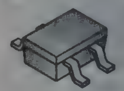


S02

Standard Pin Connections

1. Source
2. Drain
3. Source
4. Gate

H



SOT-343

Standard Pin Connections

1. Source
2. Drain
3. Source
4. Gate

CEL California Eastern Laboratories SMALL SIGNAL SILICON BIPOLAR TRANSISTORS

NEW FROM SUPPLIER

RoHS Compliant

Medium Power Applications

♦ Surface Mount Device

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Test f. (GHz)	P1dB VCE (V)	P1dB IC (mA)	P1dB PIN (dBm)	P1dB TYP (dB)	MAG VCE (V)	MAG IC (mA)	MAG TYP (dB)	fT TYP (GHz)	hFE TYP	IC MAX (mA)	Price Each 1	100	500	1000
♦551-NESG270034-AZ	NESG270034-AZ	A	0.46	6.0	30	20	33.5	-----	-----	-----	15.0	120	750	1.23	.98	.83	.74
♦551-NESG250134-AZ	NESG250134-AZ	A	0.5	3.6	30	15	29.0	3.6	100	23.0	10.0	120	500	1.30	1.04	.88	.78
♦551-NESG260234-AZ	NESG260234-AZ	A	0.5	6.0	30	15	30.0	6.0	100	23.0	10.0	120	600	1.33	1.06	.90	.80
♦551-NE85634-A	NE85634-A	A	1.0	10.0	7	1.5	11.5	10.0	20	9.0	6.5	120	100	.80	.64	.54	.48
♦551-NE46134-AZ	NE46134-AZ	A	1.0	12.5	100	20.5	27.5	10	50	9	5.5	100	250	1.60	1.28	1.09	.96
♦551-NE461M02-AZ	NE461M02-AZ	A	1.0	12.5	100	19.0	27.5	10	50	11	5.5	120	250	2.03	1.62	1.38	1.22
♦551-NE677M04-A	NE677M04-A	B	1.8	2.8	23	1.0	15.0	3.0	20	16	15	120	50	.68	.54	.46	.41
♦551-NE678M04-A	NE678M04-A	B	1.8	2.8	40	7.0	18.0	3.0	30	13.5	12	120	100	.70	.56	.48	.42
♦551-NE664M04-A	NE664M04-A	B	1.8	3.6	200	15.0	26.0	3.0	100	12	20	60	500	1.28	1.02	.87	.77
♦551-UPA901TU-A	UPA901TU-A	C	5.6	3.6	90	-3.0	19.0	3.6	52	25	-----	120	300	1.98	1.58	1.34	1.19

Oscillators Applications

♦ Surface Mount Device

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Test f. (GHz)	POSC VCE (V)	POSC IC (mA)	POSC TYP (dBm)	fT TYP (GHz)	hFE TYP	IC MAX (mA)	Price Each 1	100	500	1000
♦551-NE58219-A	NE58219-A	D	0.9	5.0	5	0.001	5.0	90	60	.35	.28	.24	.21

CEL California Eastern Laboratories DISCRETE POWER DEVICES

RoHS Compliant

Silicon LD MOSFETs

♦ Surface Mount Device

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Test f. (GHz)	GL TYP (dB)	POUT TYP (dBm)	ID TYP (A)	IGSS MAX (nA)	IDSS MAX (V)	RDS (ON) Ω	BVDSS TYP (V)	VDS TYP (GHz)	VGS TYP (V)	PIN TYP (dBm)	Price Each 1	100	500	1000
♦551-NE5520379A-A	NE5520379A-A	E	0.9	15	35	1.5	100	100	0.12	24.0	3.0	2.0	25	8.40	6.72	5.71	5.04
♦551-NE5511279A-A	NE5511279-A	E	0.9	15	40.5	2.75	100	100	---	24.0	20.0	6.0	27	14.03	11.22	9.54	8.42
♦551-NE5520279A-A	NE5520279A-A	E	1.8	10	32	0.8	100	100	---	18.0	15.0	5	25	8.93	7.14	6.07	5.36
♦551-NE552R479A-A	NE552R479A-A	E	2.45	11	26	230	100	100	2	18.0	3.0	2.0	19	7.43	5.94	5.05	4.46

GaAs Drivers

♦ Surface Mount Device

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Freq. Range (GHz)	POUT (dBm)	Gain (dB)	Linear Effeciency @P1dB(%)	Power Added Freq. (GHz)	Test VDS (V)	IDS @ P1dB (mA)	IDS Max (A)	IGS Min/Max (mA)	Price Each 1	100	500	1000
♦551-NE6510179A-A	NE6510179A-A	E	0.4 to 4.0	32.5	10.0	58	1.9	5.0	200	2.8	-25/+25	11.15	8.92	7.58	6.69
♦551-NE651R479A-A	NE651R479A-A	E	0.5 to 4.0	29.5	12.0	58	1.9	5.0	50	1	—	9.28	7.42	6.31	5.57

CEL California Eastern Laboratories SMALL SIGNAL GAAS FIELD EFFECT TRANSISTORS

NEW FROM SUPPLIER

RoHS Compliant

Low Noise Applications

♦ Surface Mount Device

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	CEL Part No.	Fig.	Gate Length (um)	Gate Width (um)	Rec. Freq. Range (GHz)	Test Freq. (GHz)	NF / GA Bias VDS (mA)	NF / GA Bias IDS (mA)	NF OPT (dB)	GA (dB)	Power Bias VDS (mA)	Power Bias IDS (mA)	P1dB (dBm)	Price Each 1	100	500	1000
♦551-NE3210S01	NE3210S01	F	0.2	160	0.1 to 22.5	12.0	2.0	10	---	13.5	2.0	10	---	2.13	1.70	1.45	1.28
♦551-NE3511S02-A	NE3511S02-A	G	0.2	160	2.0 to 18	12.0	2.0	10	0.30	13.5	---	---	---	2.38	1.90	1.62	1.43
♦551-NE3512S02-A	NE3512S02-A	G	0.2	160	2.0 to 18	12.0	2.0	10	0.35	13.5	---	---	---	1.73	1.38	1.17	1.04
♦551-NE3514S02-A	NE3514S02-A	G	0.2	160	4.0 to 20	20.0	2.0	10	0.75	10.0	---	---	---	2.05	1.64	1.39	1.23
♦551-NE3508M04-A	NE3508M04-A	B	0.6	500	0.1 to 6	2.0	2.0	10	0.40	14.0	3.0	30	15	1.20	.96	.82	.72
♦551-NE3509M04-A	NE3509M04-A	B	0.6	400	0.1 to 6	2.0	2.0	10	0.45	17.5	3.0	30	11	1.20	.96	.82	.72

General Purpose and HBT Applications

♦ Surface Mount Device

For quantities 2000 and up, call for quote.

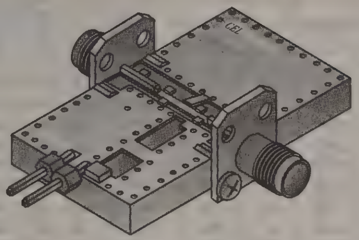
MOUSER STOCK NO.	CEL Part No.	Fig.	Gate Length (um)	Gate Width (um)	Rec. Freq. Range (GHz)	Test Freq. (GHz)	NF / GA Bias VDS (mA)	NF / GA Bias IDS (mA)	NF OPT (dB)	GA (dB)	Power Bias VDS (mA)	Power Bias IDS (mA)	P1dB (dBm)	Price Each 1	100	500	1000
♦551-NE52418-A	NE52418-A	H	- - - - -	- - - - -	0.1 to 14	2.0	2.0	3	1.0	16.0	2.8	30	14	2.03	1.62	1.38	1.22

CEL RF Transistor Evaluation Boards

Evaluation boards help speed the design process by providing our customers with good examples of working circuit designs. Prototypes are designed, etched and tested in the engineering facility at California Eastern Laboratories.

Features:
- Layout is done in AutoCad®
- Boards are produced on FR4 board material to simulate the production environment
- RF and IF inputs and outputs are ported through SMA connectors
- DC connections are through header pins
- On-board bypass capacitors are provided
- Includes assembly drawings, schematics, datasheet and typical test data

Transistor evaluation boards have been designed for use at industry standard frequencies (900 MHz, 1.9 GHz, 2.4 GHz, etc.) and have been optimized for a variety of specifications (Noise Figure, Gain, Power or Intercept Point).



(Small Signal GaAs Field Effect Transistor Shown)

CEL SMALL SIGNAL SILICON BIPOLAR TRANSISTORS

Low Current, Low Voltage Applications

MOUSER STOCK NO.	Description	Price Each
NE662M04-EVGA09	For evaluation of NE662M04-A, optimized for gain at 900MHz	108.00
NE662M04-EVGA19	For evaluation of NE662M04-A, optimized for gain at 1.9GHz	108.00
NE662M04-EVNF09	For evaluation of NE662M04-A, optimized for noise figure at 900MHz	108.00
NE662M04-EVNF16	For evaluation of NE662M04-A, optimized for noise figure at 1.6GHz	108.00
NE662M04-EVNF19	For evaluation of NE662M04-A, optimized for noise figure at 1.9GHz	108.00
NE662M04-EVNF24	For evaluation of NE662M04-A, optimized for noise figure at 2.4GHz	108.00
NE663M04-EVPW08	For evaluation of NE663M04-A, optimized for power at 800MHz	108.00
NE663M04-EVPW19	For evaluation of NE663M04-A, optimized for power at 1.9GHz	108.00
NESG2021M05-EVNF58	For evaluation of NESG2021M05-A, optimized for noise figure at 5.8GHz	135.00
NESG2031M05-EVNF58	For evaluation of NESG2031M05-A, optimized for noise figure at 5.8GHz	135.00
NESG2101M05-EVPW24	For evaluation of NESG2101M05-A, optimized for power at 2.4GHz	135.00
NESG3031M05-EVNF16	For evaluation of NESG3031M05-A, optimized for noise figure at 1.6GHz	135.00
NESG3031M05-EVNF24	For evaluation of NESG3031M05-A, optimized for noise figure at 2.4GHz	135.00
NESG3031M05-EVNF58	For evaluation of NESG3031M05-A, optimized for noise figure at 5.8GHz	135.00

NEW FROM SUPPLIER

Medium Power Applications

MOUSER STOCK NO.	Description	Price Each
NE664M04-EVPW09	For evaluation of NE664M04-A, optimized for power at 900MHz	108.00
NE664M04-EVPW24	For evaluation of NE664M04-A, optimized for power at 2.4GHz	108.00
NE678M04-EV09	For evaluation of NE678M04-A. optimized at 900MHz	108.00
NESG270034-EV09-AZ	For evaluation of NESG270034-AZ, optimized at 900MHz	135.00

CEL DISCRETE POWER DEVICES

Silicon LD MOSFETs

MOUSER STOCK NO.	Description	Price Each
NE5520279A-EVPW09	For evaluation of NE5520279-A, optimized for power at 900MHz	162.00
NE5520279A-EVPW24	For evaluation of NE5520279-A, optimized for power at 2.4GHz	120.00
NE5520379A-EVPW09	For evaluation of NE5520379-A, optimized for power at 900MHz	162.00
NE552R479A-EVPW24	For evaluation of NE552R479-A, optimized for power at 2.4GHz	162.00

GaAs Drivers

MOUSER STOCK NO.	Description	Price Each
NE6510179A-EVPW19	For evaluation of NE6510179-A, optimized for power at 1.9GHz	135.00
NE6510179A-EVPW24	For evaluation of NE6510179-A, optimized for power at 2.4GHz	162.00
NE6510179A-EVPW26	For evaluation of NE6510179-A, optimized for power at 2.6GHz	162.00
NE6510179A-EVPW35	For evaluation of NE6510179-A, optimized for power at 3.5GHz	162.00
NE651R479A-EVPW19	For evaluation of NE651R479-A, optimized for power at 1.9GHz	162.00
NE651R479A-EVPW24	For evaluation of NE651R479-A, optimized for power at 2.4GHz	162.00
NE651R479A-EVPW26	For evaluation of NE651R479-A, optimized for power at 2.6GHz	162.00
NE651R479A-EVPW35	For evaluation of NE651R479-A, optimized for power at 3.5GHz	162.00

CEL SMALL SIGNAL GAAS FIELD EFFECT TRANSISTORS

Low Noise Applications

MOUSER STOCK NO.	Description	Price Each
NE34018-EVGA19	For evaluation of NE34018-A, optimized for gain at 1.9GHz	109.00
NE34018-EVNF19	For evaluation of NE34018-A, optimized for noise figure at 1.9GHz	109.00

CENTRAL Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

SMALL SIGNAL TRANSISTORS - LEADED

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	hFE		f T(MHz)	Price Each			
			Min.	Max.	MIN	1	25	100	250
NPN Small Signal Transistors									
610-2N3866	2N3866	TO-39	10	200	500	1.82	1.77	1.69	1.63
610-2N4427	2N4427	TO-39	10	200	500	2.21	2.14	2.06	1.98
610-2N918	2N918	TO-72	20	- - -	600	1.04	1.01	.97	.93
610-2N1480	2N1480	TO-39	20	60	1.5	2.32	2.25	2.16	2.07
610-2N1700	2N1700	TO-39	20	80	- - -	1.96	1.81	1.67	1.53
610-2N5785	2N5785	TO-39	20	100	1	3.30	2.92	2.64	2.48
610-2N2925	2N2925	TO-92	25	235	160	.33	.20	.14	.13
610-2N5179	2N5179	TO-72	25	250	900	1.10	1.07	1.02	.98
610-2N708	2N708	TO-18	30	120	400	.71	.59	.53	.48
610-2N2845	2N2845	TO-18	30	120	250	1.24	1.10	.99	.94
610-2N2857	2N2857	TO-72	30	150	1000	1.89	1.80	1.72	1.65
610-2N3014	2N3014	TO-18	30	120	350	.80	.74	.68	.62
610-2N3114	2N3114	TO-39	30	120	40	2.58	2.51	2.41	2.31
610-2N3706	2N3706	TO-92	30	600	100	.23	.21	.19	.17
610-2N3839	2N3839	TO-72	30	150	1000	1.19	1.09	.99	.89
610-2N4237	2N4237	TO-39	30	150	2	1.98	1.82	1.65	1.49
610-2N4238	2N4238	TO-39	30	150	2	2.81	2.73	2.62	2.51
610-2N5109	2N5109	TO-39	30	90	60	1.87	1.81	1.74	1.67
610-2N5225	2N5225	TO-92	30	600	50	.29	.26	.24	.22
610-2N5772	2N5772	TO-92	30	120	350	.23	.21	.20	.18
610-2N1481	2N1481	TO-39	35	100	1.5	1.78	1.64	1.51	1.39
610-2N697A	2N697A	TO-39	40	120	50	1.28	1.19	1.04	.90
610-2N718A	2N718A	TO-18	40	120	60	.72	.67	.63	.58
610-2N1613	2N1613	TO-39	40	120	60	.79	.76	.73	.70
610-2N2218A	2N2218A	TO-39	40	120	250	.98	.95	.91	.87
610-2N3020	2N3020	TO-39	40	120	250	.61	.54	.49	.42
610-2N3420	2N3420	TO-39	40	120	40	2.96	2.87	2.76	2.65
610-2N3421	2N3421	TO-39	40	120	40	2.64	2.42	2.20	1.98
610-2N4895	2N4895	TO-39	40	120	50	5.07	4.97	4.82	4.67
610-MPSA20	MPSA20	TO-92	40	400	125	.22	.20	.18	.16
610-MPSA42	MPSA42	TO-92	40	- - -	50	.25	.15	.14	.13
610-PN2369A	PN2369A	TO-92	40	120	500	.27	.21	.17	.12
610-PN3567	PN3567	TO-92	40	120	60	.22	.20	.18	.16
610-2N3708	2N3708	TO-92	45	660	- - -	.30	.27	.23	.19
610-2N2270	2N2270	TO-39	50	200	100	1.31	1.27	1.22	1.17
610-2N3053	2N3053	TO-39	50	250	100	.76	.74	.71	.68
610-2N3705	2N3705	TO-92	50	150	100	.23	.21	.19	.17
610-2N3903	2N3903	TO-92	50	150	250	.18	.12	.10	.09
610-2N5770	2N5770	TO-92	50	200	800	.35	.32	.28	.25
610-2N2405	2N2405	TO-39	60	200	50	.77	.74	.71	.69
610-2N3725A	2N3725A	TO-39	60	150	300	1.60	1.55	1.49	1.43
610-2N4013	2N4013	TO-18	60	150	300	1.09	.96	.87	.79
610-2N4410	2N4410	TO-92	60	400	60	.18	.17	.15	.14
610-2N5550	2N5550	TO-92	60	250	100	.22	.20	.11	.08
610-MPSH10	MPSH10	TO-92	60	- - -	650	.35	.32	.28	.26
610-2N5154	2N5154	TO-39	70	200	70	2.34	2.15	1.95	1.76
610-2N3416	2N3416	TO-92	75	225	- - -	.18	.17	.15	.14
610-2N5551	2N5551	TO-92	80	250	100	.20	.18	.16	.14
610-2N2923	2N2923	TO-92	90	180	160	.38	.34	.30	.28
610-2N3393	2N3393	TO-92	90	180	120	.29	.26	.24	.22
610-MPS6531	MPS6531	TO-92	90	270	- - -	.29	.17	.12	.11
610-2N930B	2N930B	TO-18	100	300	45	.55	.46	.41	.38
610-2N2222A	2N2222A	TO-18	100	300	250	.43	.42	.40	.38
610-2N2484	2N2484	TO-18	100	500	60	.65	.63	.61	.58
610-2N3107	2N3107	TO-39	100	300	70	1.15	1.06	.96	.86
610-2N3501	2N3501	TO-39	100	300	150	2.20	2.13	2.05	1.97
610-2N3704	2N3704	TO-92	100	300	100	.34	.27	.22	.17
610-2N3707	2N3707	TO-92	100	400	- - -	.38	.36	.34	.31
610-2N3904	2N3904	TO-92	100	300	300	.10	.08	.06	.05
610-2N4401	2N4401	TO-92	100	300	250	.16	.14	.13	.11
610-2N5172	2N5172	TO-92	100	500	200	.28	.17	.12	.11
610-2N5209	2N5209	TO-92	100	300	30	.43	.38	.34	.30
610-MPS3704	MPS3704	TO-92	100	300	100	.37	.30	.24	.19
610-MPS3706	MPS3706	TO-92	100	300	100	.34	.32	.29	.27
610-PN2222A	PN2222A	TO-92	100	300	300	.18	.16	.14	.12
610-PN3569	PN3569	TO-92	100	300	60	.17	.16	.15	.13
610-PN3643	PN3643	TO-92	100	300	250	.23	.21	.19	.17
610-2N2924	2N2924	TO-92	150	300	160	.34	.32	.30	.29
610-2N3392	2N3392	TO-92	150	300	120	.30	.28	.25	.23
610-2N3860	2N3860	TO-92	150	300	90	.29	.26	.24	.22
610-2N5818	2N5818	TO-92	150	300	135	.38	.35	.32	.29
610-MPS3392	MPS3392	TO-92	150	300	- - -	.26	.24	.22	.20
610-PN3565	PN3565	TO-92	150	600	40	.17	.15	.14	.12
610-PN3566	PN3566	TO-92	150	600	40	.18	.17	.15	.14
610-2N5961	2N5961	TO-92	170	700	100	.18	.17	.15	.14
610-2N3415	2N3415	TO-92	180	540	- - -	.18	.14	.12	.10
NPN Small Signal Transistors (cont.)									
610-2N3417	2N3417	TO-92	180	540	- - -	.18	.14	.12	.10
610-2N3711	2N3711	TO-92	180	660	- - -	.30	.28	.25	.23
610-2N4424	2N4424	TO-92	180	540	- - -	.22	.18	.16	.14
610-2N5210	2N5210	TO-92	200	600	30	.28	.17	.12	.11
610-MPS6520	MPS6520	TO-92	200	400	- - -	.29	.27	.25	.23
610-2N3117	2N3117	TO-18	250	500	60	1.36	1.16	.99	.84
610-2N3391A	2N3391A	TO-92	250	500	120	.34	.31	.28	.26
610-2N5232A	2N5232A	TO-92	250	500	- - -	.33	.20	.14	.13
610-MPS6515	MPS6515	TO-92	250	500	- - -	.27	.22	.17	.14
610-MPS8097	MPS8097	TO-92	250	5	- - -	.30	.25	.20	.16
610-2N5088	2N5088	TO-92	300	900	50	.26	.21	.17	.13
610-MPS6521	MPS6521	TO-92	300	600	- - -	.22	.20	.18	.16
610-2N5089	2N5089	TO-92	400	1200	50	.26	.21	.17	.13
610-MPSA18	MPSA18	TO-92	500	1500	100	.43	.40	.36	.32
610-2N5962	2N5962	TO-92	600	1400	100	.24	.22	.20	.18
610-2N5306	2N5306	TO-92	7000	70000	60	.23	.18	.16	.15
610-2N5308	2N5308	TO-92	7000	70000	60	.33	.20	.14	.13
610-MPS5306	MPS5306	TO-92	7000	70000	60	.26	.22	.16	.14
610-MPSA13	MPSA13	TO-92	10000	- - -	125	.23	.20	.18	.16
610-MPSA26	MPSA26	TO-92	10000	- - -	- - -	.24	.22	.20	.18
610-MPSA28	MPSA28	TO-92	10000	- - -	125	.30	.27	.25	.22
610-MPSA29	MPSA29	TO-92	10000	- - -	125	.36	.30	.23	.19
610-2N6427	2N6427	TO-92	14000	140000	130	.33	.20	.14	.12
610-2N6426	2N6426	TO-92	20000	200000	- - -	.36	.22	.18	.15
610-MPSA14	MPSA14	TO-92	20000	- - -	125	.25	.15	.14	.13
610-2N706A	2N706A	TO-18	- - -	- - -	- - -	.62	.57	.53	.49
PNP Small Signal Transistors									
610-MPSA92	MPSA92	TO-92	25	- - -	50	.25	.15	.14	.13
610-2N4208	2N4208	TO-18	30	120	700	1.85	1.79	1.72	1.65
610-2N4234	2N4234	TO-39	30	150	3	1.65	1.49	1.32	1.22
610-2N3703	2N3703	TO-92	30	150	100	.23	.21	.19	.17
610-2N5226	2N5226	TO-92	30	600	50	.22	.20	.18	.16
610-PN3640	PN3640	TO-92	30	120	500	.55	.50	.44	.41
610-2N2906A	2N2906A	TO-18	40	120	200	.95	.92	.88	.84
610-2N2904A	2N2904A	TO-39	40	120	200	.90	.88	.84	.81
610-2N4030	2N4030	TO-39	40	120	100	.90	.81	.72	.67
610-2N4032	2N4032	TO-39	40	120	100	1.43	1.39	1.33	1.28
610-2N5400	2N5400	TO-92	40	180	100	.15	.14	.13	.11
610-MPSA70	MPSA70	TO-92	40	400	125	.34	.20	.15	.13
610-PN5139	PN5139	TO-92	40	- - -	300	.29	.27	.25	.23
610-2N3250	2N3250	TO-18	50	150	250	.72	.64	.58	.54
610-2N4037	2N4037	TO-39	50	250	60	.87	.84	.81	.77
610-2N3905	2N3905	TO-92	50	150	200	.21	.19	.18	.16
610-MPSA55	MPSA55	TO-92	50	- - -	50	.24	.19	.15	.12
610-MPS6562	MPS6562	TO-92	50	200	60	.27	.21	.18	.15
610-PN4356	PN4356	TO-92	50	250	100	.31	.29	.28	.26
610-PN5138	PN5138	TO-92	50	800	30	.25	.23	.21	.19
610-2N3702	2N3702	TO-92	60	300	100	.34	.27	.22	.17
610-2N5401	2N5401	TO-92	60	240	100	.19	.14	.13	.12
610-MPS6517	MPS6517	TO-92	90	180	- - -	.22	.20	.18	.16
610-2N2907A	2N2907A	TO-18	100	300	200	.55	.53	.51	.49
610-2N3504	2N3504	TO-18	100	300	200	.72	.64	.58	.54
610-2N3505	2N3505	TO-18	100	300	200	.81	.72	.65	.61
610-2N3962	2N3962	TO-18	100	450	40	.83	.68	.61	.55
610-2N2905A	2N2905A	TO-39	100	300	200	.64	.53	.48	.43
610-2N3502	2N3502	TO-39	100	300	200	.81	.72	.65	.61
610-2N3503	2N3503	TO-39	100	300	200	.86	.77	.69	.65
610-2N3906	2N3906	TO-92	100	300	250	.10	.08	.06	.05
610-2N4403	2N4403	TO-92	100	300	200	.15	.14	.13	.11
610-2N5366	2N5366	TO-92	100	300	250	.21	.19	.17	.15
610-PN2907A	PN2907A	TO-92	100	300	200	.16	.14	.13	.11
610-PN3638A	PN3638A	TO-92	100	- - -	150	.25	.23	.20	.18
610-PN3644	PN3644	TO-92	100	300	200	.22	.20	.18	.16
610-PN3645	PN3645	TO-92	100	300	200	.34	.31	.27	.24
610-PN4249	PN4249	TO-92	100	300	40	.18	.17	.15	.14
610-PN4355	PN4355	TO-92	100	400	100	.22	.20	.18	.16
610-2N5086	2N5086	TO-92	150	500	40	.26	.21	.17	.13
610-2N5819	2N5819	TO-92	150	300	135	.40	.36	.32	.30
610-PN4917	PN4917	TO-92	150	300	450	.26	.23	.21	.19
610-2N5087	2N5087	TO-92	250	800	40	.25	.23	.20	.18
610-MPS6519	MPS6519	TO-92	250	500	- - -	.38	.36	.34	.31
610-PN4250A	PN4250A	TO-92	250	700	50	.24	.19	.14	.10
610-MPSA63	MPSA63	TO-92	10000	- - -	125	.36	.32	.29	.25
610-MPSA77	MPSA77	TO-92	10000	- - -	125	.31	.28	.25	.23
610-MPSA64	MPSA64	TO-92	20000	- - -	125	.19	.16	.16	.14
610-MPSA65	MPSA65	TO-92	20000	- - -	100	.32	[illegible]	.28	.22

CENTRAL Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

◆Surface Mount Device

Central SMALL SIGNAL TRANSISTORS - SMD

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	h_{FE}		f_T (MHz) Min.	Price Each			
			Min.	Max.		1	25	100	250
NPN Small Signal Transistors - SMD									
◆610-CMPT2369	CMPT2369	SOT-23	40	120	500	.29	.23	.21	.18
◆610-CMPTA42	CMPTA42	SOT-23	40	- - -	50	.24	.22	.19	.17
◆610-CMPTH10	CMPTH10	SOT-23	60	- - -	650	.68	.61	.54	.47
◆610-CMPT5551	CMPT5551	SOT-23	80	250	100	.24	.22	.19	.17
◆610-CMPT3904	CMPT3904	SOT-23	100	300	300	.20	.18	.16	.14
◆610-CMPT4401	CMPT4401	SOT-23	100	300	250	.20	.18	.16	.14
◆610-CMPT5088	CMPT5088	SOT-23	300	900	50	.23	.20	.18	.16
◆610-CMPT5089	CMPT5089	SOT-23	400	1200	50	.23	.20	.18	.16
◆610-CMPTA13	CMPTA13	SOT-23	10000	- - -	125	.23	.20	.18	.16
◆610-CMPTA14	CMPTA14	SOT-23	20000	- - -	125	.23	.20	.18	.16

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	h_{FE}		f_T (MHz) Min.	Price Each			
			Min.	Max.		1	25	100	250
Small Signal Transistors - SMD									
◆610-CMPTA92	CMPTA92	SOT-23	25	- - -	50	.24	.22	.19	.17
◆610-CMPT5401	CMPT5401	SOT-23	60	240	100	.24	.22	.19	.17
◆610-CMPT2907A	CMPT2907A	SOT-23	100	300	200	.20	.18	.16	.14
◆610-CMPT3906	CMPT3906	SOT-23	100	300	250	.20	.18	.16	.14
◆610-CMPT4403	CMPT4403	SOT-23	100	300	200	.18	.16	.14	.12
◆610-CMPTA56	CMPTA56	SOT-23	100	- - -	- - -	.21	.20	.18	.17
◆610-CXT3906	CXT3906	SOT-89	100	300	250	.56	.39	.35	.32
◆610-CMPT5087	CMPT5087	SOT-23	250	800	40	.23	.20	.18	.16
◆610-CMPTA63	CMPTA63	SOT-23	10000	- - -	125	.18	.16	.15	.13
◆610-CMPTA64	CMPTA64	SOT-23	20000	- - -	125	.18	.16	.15	.13

Central POWER TRANSISTORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	h_{FE}		f_T (MHz) Min.	Price Each			
			Min.	Max.		1	25	100	250
NPN Power Transistors									
610-2N5878	2N5878	TO-3	4	- - -	4	1.93	1.87	1.80	1.73
610-2N6543	2N6543	TO-3	7	35	6	3.48	3.38	3.24	3.11
610-2N6545	2N6545	TO-3	7	35	6	4.14	4.01	3.85	3.70
610-MJE13004	MJE13004	TO-220	8	40	4	1.49	1.36	1.24	1.11
610-MJE13005	MJE13005	TO-220	8	40	4	1.24	1.03	.92	.83
610-TIP31	TIP31	TO-220	10	50	3	.63	.56	.50	.46
610-TIP31B	TIP31B	TO-220	10	50	3	.63	.56	.50	.46
610-TIP101	TIP101	TO-220	15	75	3	.86	.79	.73	.68
610-TIP29	TIP29	TO-220	15	75	3	.75	.67	.60	.55
610-TIP29A	TIP29A	TO-220	15	75	3	.75	.67	.60	.55
610-TIP29B	TIP29B	TO-220	15	75	3	.75	.67	.60	.55
610-TIP41A	TIP41A	TO-220	15	75	3	.71	.59	.53	.49
610-2N3713	2N3713	TO-3	15	- - -	4	1.92	1.77	1.63	1.50
610-2N3714	2N3714	TO-3	15	- - -	4	1.80	1.66	1.53	1.41
610-2N3773	2N3773	TO-3	15	60	- - -	3.84	3.72	3.58	3.43
610-2N5301	2N5301	TO-3	15	60	4	3.98	3.86	3.71	3.56
610-2N5303	2N5303	TO-3	15	60	2	3.88	3.76	3.61	3.47
610-2N5298	2N5298	TO-220	20	80	0.8	.86	.72	.60	.54
610-2N6099	2N6099	TO-220	20	80	5	1.06	.87	.78	.70
610-2N6123	2N6123	TO-220	20	80	2.5	.80	.74	.68	.63
610-2N6486	2N6486	TO-220	20	150	5	.73	.68	.62	.58
610-2N3442	2N3442	TO-3	20	70	- - -	2.36	2.29	2.20	2.11
610-2N5885	2N5885	TO-3	20	100	4	3.78	3.67	3.52	3.38
610-2N5629	2N5629	TO-3	25	100	1	5.98	5.53	5.23	4.78
610-2N4923	2N4923	TO-126	30	150	3	.60	.49	.44	.40
610-2N6288	2N6288	TO-220	30	150	4	.79	.69	.62	.58
610-2N6290	2N6290	TO-220	30	150	4	.85	.78	.72	.66
610-2N6292	2N6292	TO-220	30	150	4	.71	.65	.60	.55
610-2N3715	2N3715	TO-3	30	- - -	4	2.13	2.06	1.98	1.90
610-2N3716	2N3716	TO-3	30	- - -	4	2.13	2.06	1.98	1.90
610-2N3583	2N3583	TO-66	40	- - -	10	5.07	4.97	4.82	4.67
610-2N3584	2N3584	TO-66	40	- - -	10	5.07	4.97	4.82	4.67
610-2N3585	2N3585	TO-66	40	- - -	10	5.07	4.97	4.82	4.67
610-MJE180	MJE180	TO-126	50	250	50	.72	.64	.58	.54
610-2N6714	2N6714	TO-237	50	250	50	.41	.34	.31	.28
610-2N6715	2N6715	TO-237	50	250	50	.70	.63	.56	.49
610-2N6716	2N6716	TO-237	50	250	50	.41	.34	.31	.28
610-TIP111	TIP111	TO-220	500	- - -	25	.62	.57	.53	.50
610-2N6037	2N6037	TO-126	750	15000	25	.53	.49	.45	.41
610-2N6038	2N6038	TO-126	750	15000	25	.53	.49	.45	.41
610-2N6039	2N6039	TO-126	750	15000	25	.70	.63	.56	.52
610-2N6043	2N6043	TO-220	1000	20000	4	.92	.80	.72	.65
610-2N6044	2N6044	TO-220	1000	20000	4	1.15	1.08	1.04	.95
610-2N6045	2N6045	TO-220	1000	20000	4	1.33	1.04	.96	.88
610-2N6387	2N6387	TO-220	1000	20000	20	.74	.61	.54	.50
610-2N6384	2N6384	TO-3	1000	20000	6	2.81	2.73	2.62	2.51
610-2N6724	2N6724	TO-237	4000	40000	1	.41	.37	.34	.30
610-2N6725	2N6725	TO-237	4000	40000	1	.67	.54	.43	.34

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	h_{FE}		f_T (MHz) Min.	Price Each			
			Min.	Max.		1	25	100	250
PNP Power Transistors									
610-TIP32	TIP32	TO-220	10	50	3	.75	.67	.60	.55
610-2N6476	2N6476	TO-220	15	150	4	1.18	1.11	1.07	1.00
610-TIP30	TIP30	TO-220	15	75	3	.75	.67	.60	.55
610-2N3790	2N3790	TO-3	15	- - -	4	2.16	2.08	1.99	1.91
610-2N4398	2N4398	TO-3	15	60	4	4.36	4.23	4.06	3.90
610-2N4399	2N4399	TO-3	15	60	4	3.92	3.80	3.65	3.50
610-2N6126	2N6126	TO-220	20	80	2.5	1.08	.90	.75	.68
610-2N6491	2N6491	TO-220	20	150	5	.73	.68	.62	.58
610-2N5884	2N5884	TO-3	20	100	4	3.78	3.67	3.52	3.38
610-2N6124	2N6124	TO-220	25	100	2.5	.77	.71	.66	.60
610-2N6125	2N6125	TO-220	25	100	2.5	.58	.53	.49	.45
610-2N6029	2N6029	TO-3	25	100	1	3.77	3.47	3.19	2.87
610-2N4918	2N4918	TO-126	30	150	3	.73	.65	.58	.54
610-2N4920	2N4920	TO-126	30	150	3	.60	.49	.44	.40
610-2N6107	2N6107	TO-220	30	150	4	.78	.72	.67	.61
610-2N6109	2N6109	TO-220	30	150	4	.88	.81	.75	.70
610-2N3791	2N3791	TO-3	30	- - -	4	2.28	2.21	2.12	2.04
610-2N3792	2N3792	TO-3	30	- - -	4	2.42	2.35	2.25	2.16
610-MJE371	MJE371	TO-126	50	250	50	.72	.64	.58	.54
610-2N6727	2N6727	TO-237	50	250	50	.44	.41	.38	.35
610-TIP116	TIP116	TO-220	500	- - -	25	.60	.55	.51	.47
610-2N6034	2N6034	TO-126	750	15000	25	.62	.57	.53	.49
610-2N6035	2N6035	TO-126	750	15000	25	.53	.49	.45	.41
610-2N6050	2N6050	TO-3	750	18000	4	2.82	2.74	2.63	2.52
610-2N6051	2N6051	TO-3	750	18000	4	2.82	2.74	2.63	2.52
610-2N6052	2N6052	TO-3	750	18000	4	2.82	2.74	2.63	2.52
610-2N6040	2N6040	TO-220	1000	20000	4	1.17	1.07	.98	.88
610-2N6041	2N6041	TO-220	1000	20000	4	1.03	.93	.85	.77
610-2N6042	2N6042	TO-220	1000	20000	4	1.05	.96	.87	.79
610-2N6650	2N6650	TO-3	1000	20000	6	2.20	2.04	1.93	1.76
610-MJ11013	MJ11013	TO-3	1000	- - -	4	8.28	8.04	7.71	7.41

Central JUNCTION FETS AND MOSFET

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Central Part No.	Package	h_{FE}		f_T (MHz) Min.	Price Each			
			Min.	Max.		1	25	100	250
N-Channel JFETs									
610-2N4392	2N4392	TO-18	40	2.0	5.0	1.64	1.59	1.53	1.46
610-2N4393	2N4393	TO-18	40	0.5	3.0	1.89	1.83	1.76	1.69
P-Channel JFETs									
610-2N2609	2N2609	TO-18	30	1.0	4.0	2.16	2.00	1.84	1.73
610-2N5460	2N5460	TO-92	40	0.75	6.0	.36	.33	.30	.28
N-Channel JFETs - RF Amplifiers									
610-2N5484	2N5484	TO-92	25	0.3	3.0	.68	.64	.59	.56
610-2N5485	2N5485	TO-92	25	0.5	4.0	.55	.50	.44	.41
610-2N5486	2N5486	TO-92	25	2.0	6.0	.55	.50	.44	.41
610-2N3819	2N3819	TO-92	30	- - -	6.0	.55	.46	.42	.38
610-2N4416A	2N4416A	TO-72	35	2.0	6.0	2.24	2.17	2.09	2.00
N-Channel Small Signal MOSFET									
610-2N7002	2N7002	SOT-23	40	1.0	2.5	.33	.29	.26	.23

DIODES INC. MOSFETs and Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIODES INC. MOSFETS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	Ch	V_{DSS} (V)	RDS (On)	ID (mA)	Price Each			
							1	10	100	250
N-Channel Enhancement Mode										
621-BSS138W-F	BSS138W7-F	SOT-323	Single	50	3.5Ω	200	.55	.44	.33	.25
621-2N7002T-F	2N7002T-7-F	SOT-523	Single	60	7.5Ω	115	.60	.48	.36	.28
621-BS870-F	BS8707-F	SOT-23	Single	60	5.0Ω	250	.50	.40	.30	.23
621-BSS123W-F	BSS123W7-F	SOT-323	Single	100	6.0Ω	170	.52	.42	.31	.25
Dual N-Channel Enhancement Mode										
621-BSS138DW-F	BSS138DW7-F	SOT-363	Dual	50	3.5Ω	200	.74	.53	.40	.31
621-2N7002V-F	2N7002V7-F	SOT-563	Dual	60	3.5Ω	280	.67	.54	.40	.34
621-2N7002VA-F	2N7002VA7-F	SOT-563	Dual	60	3.5Ω	280	.67	.54	.40	.34
P-Channel Enhancement Mode										
621-BSS84-F	BSS847-F	SOT-23	Single	-50	10Ω	-130	.50	.40	.30	.23
621-BSS84W-F	BSS84W7-F	SOT-323	Single	-50	10Ω	-130	.55	.44	.33	.25
Dual P-Channel Enhancement Mode										
621-BSS84DW-F	BSS84DW7-F	SOT-363	Dual	-50	10Ω	-130	.74	.59	.44	.35
N-Channel/P-Channel Array Enhancement Mode										
621-BSS8402DW-F	BSS8402DW7-F	SOT-363	- - -	60 -50	10Ω 10Ω	115 -130	.74	.59	.44	.37

DIODES INC. BIPOLAR TRANSISTORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	V_{CEO} (V)	IC (Max.) (mA)	RDS (On)	ID (mA)	Price Each			
							1	10	100	250
NPN Transistors										
621-MMSTA42-F	MMSTA42-7-F	SOT-323	300	300	25	--	.45	.36	.27	.21
621-MMBTH24-F	MMBTH24-7-F	SOT-23	40	50	30	--	.52	.40	.29	.21
621-MMBT2222AT-F	MMBT2222AT-7-F	SOT-523	40	600	35	--	.38	.26	.18	.13
621-MMBTA42-F	MMBTA42-7-F	SOT-23	300	200	40	--	.49	.36	.25	.18
621-MMBTH10-F	MMBTH10-7-F	SOT-23	25	50	60	--	.52	.40	.29	.21
621-MMBT2222A-F	MMBT2222A-7-F	SOT-23	40	600	100	300	.38	.26	.18	.13
621-MMBT3904-F	MMBT3904-7-F	SOT-23	40	200	100	300	.33	.22	.15	.11
621-MMBT3904T-F	MMBT3904T-7-F	SOT-523	40	200	100	300	.33	.22	.15	.11
621-MMBT4401T-F	MMBT4401T-7-F	SOT-523	40	600	100	300	.38	.26	.18	.13
621-MMST3904-F	MMST3904-7-F	SOT-323	40	200	100	300	.42	.33	.23	.17
621-BC81716W-7	BC817-16W-7	SOT-323	45	500	100	250	.44	.30	.20	.15
621-MMBTA05-F	MMBTA05-7-F	SOT-23	60	100	100	--	.49	.36	.25	.18
621-MMSTA05-F	MMSTA05-7-F	SOT-323	60	500	100	--	.45	.36	.27	.21
621-MMBTA06-F	MMBTA06-7-F	SOT-23	80	100	100	--	.49	.36	.25	.18
621-MMSTA06-F	MMSTA06-7-F	SOT-323	80	500	100	--	.45	.36	.27	.21
621-MMBT4124-F	MMBT4124-7-F	SOT-23	25	200	120	360	.38	.26	.18	.13
621-MMST4124-F	MMST4124-7-F	SOT-323	25	200	120	360	.42	.33	.23	.17
621-MMBT123S-F	MMBT123S-7-F	SOT-23	18	1000	150	800	.39	.30	.22	.16
621-BC817-25W-7	BC817-25W-7	SOT-323	45	500	160	400	.44	.30	.20	.15
621-BC817-40W-7	BC817-40W-7	SOT-323	45	500	250	600	.44	.30	.20	.15
PNP Transistors										
621-MMBTA92-F	MMBTA92-7-F	SOT-23	-300	-500	40	--	.49	.36	.25	.18
621-MMSTA56-F	MMSTA56-7-F	SOT-323	-80	-500	100	--	.45	.36	.27	.21
621-MMBT2907AT-F	MMBT2907AT-7-F	SOT-523	-60	-600	100	300	.38	.26	.18	.13
621-MMST2907A-F	MMST2907A-7-F	SOT-323	-60	-600	100	300	.42	.33	.23	.17
621-MMSTA55-F	MMSTA55-7-F	SOT-323	-60	-500	100	--	.45	.36	.27	.21
621-BC807-16W-7	BC807-16W-7	SOT-323	-45	-500	100	250	.44	.30	.20	.15
621-MMBT3906T-F	MMBT3906T-7-F	SOT-523	-40	-200	100	300	.33	.22	.15	.11
621-MMBT4403T-F	MMBT4403T-7-F	SOT-523	-40	-600	100	300	.38	.26	.18	.13
621-MMST3906-F	MMST3906-7-F	SOT-323	-40	-200	100	300	.42	.33	.23	.17
621-MMBT4403-F	MMBT4403-7-F	SOT-23	40	750	100	300	.38	.26	.18	.13
621-MMBTA55-F	MMBTA55-7-F	SOT-23	100	100	100	--	.49	.36	.25	.18
621-MMBT2907A-F	MMBT2907A-7-F	SOT-23	150	150	100	300	.38	.26	.18	.13
621-MMBT4126-F	MMBT4126-7-F	SOT-23	-25	-200	120	360	.38	.26	.18	.13
621-MMST4126-F	MMST4126-7-F	SOT-323	-25	-200	120	360	.42	.33	.23	.17
621-BC807-25W-7	BC807-25W-7	SOT-323	-45	-500	160	400	.44	.30	.20	.15
621-BC807-40W-7	BC807-40W-7	SOT-323	-45	-500	250	600	.44	.30	.20	.15
Dual NPN Transistors										
621-MMDT5551-F	MMDT5551-7-F	SOT-363	160	200	80	250	.50	.40	.30	.23
621-MMDT3904V-F	MMDT3904V-7-F	SOT-563	40	200	100	300	.44	.40	.29	.21
621-MMDT4401-F	MMDT4401-7-F	SOT-363	40	600	100	300	.50	.40	.30	.23
621-BC847BV-F	BC847BV-7-F	SOT-563	45	100	200	450	.44	.40	.29	.21
Dual PNP Transistors										
621-MMDT2907A-F	MMDT2907A-7-F	SOT-363	-60	-600	100	300	.52	.40	.29	.21
621-DMMT3906W-F	DMMT3906W-7-F	SOT-363	-40	-200	100	--	.50	.40	.30	.23
621-MMDT3906-F	MMDT3906-7-F	SOT-363	-40	-200	100	300	.52	.40	.29	.21
621-MMDT4403-F	MMDT4403-7-F	SOT-363	-40	-600	100	300	.50	.40	.30	.23
621-MMDT4126-F	MMDT4126-7-F	SOT-363	-25	-200	120	360	.50	.40	.30	.23
Complementary NPN/PNP Transistors										
621-MMDT4413-F	MMDT4413-7-F	SOT-363	±40	±600	±100	±300	.50	.40	.30	.23
621-MMDT2227-F	MMDT2227-7-F	SOT-363	±40	±600	±100	±300	.52	.40	.29	.21
621-MMDT5451-F	MMDT5451-7-F	SOT-363	±150	±200	80 (-60)	250 (-240)	.50	.40	.30	.23
Darlington NPN Transistors										
621-MMBTA13-F	MMBTA13-7-F	SOT-23	30	100	10K	--	.49	.36	.25	.18
621-MMBTA14-F	MMBTA14-7-F	SOT-23	30	100	20K	--	.49	.36	.25	.18
621-MMBTA28-F	MMBTA28-7-F	SOT-23	80	500	10K	--	.49	.36	.25	.18

DIODES INC. PRE-BIASED TRANSISTORS

Dual Complimentary NPN/PNP

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	R1 (Ω)	R2 (Ω)	IC (Max.) (mA)	Price Each			
						1	10	100	250
621-DCX123JU-F	DCX123JU-7-F	SOT-363	2.2K	47K	100	.55	.42	.30	.22
621-DCX143TU-F	DCX143TU-7-F	SOT-363	4.7K	--	100	.55	.42	.30	.22
621-DCX114EU-F	DCX114EU-7-F	SOT-363	10K	10K	100	.55	.42	.30	.22
621-DCX114YU-F	DCX114YU-7-F	SOT-363	10K	47K	100	.55	.42	.30	.22
621-DCX124EU-F	DCX124EU-7-F	SOT-363	22K	22K	100	.55	.42	.30	.22

Dual PNP

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	R1 (Ω)	R2 (Ω)	IC (Max.) (mA)	Price Each			
						1	10	100	250
621-DDA143TU-F	DDA143TU-7-F	SOT-363	4.7K	--	-100	.47	.36	.26	.19
621-DDA114EU-F	DDA114EU-7-F	SOT-363	10K	10K	-100	.47	.36	.26	.19
621-DDA114YU-F	DDA114YU-7-F	SOT-363	10K	47K	-100	.47	.36	.26	.19

Dual NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	R1 (Ω)	R2 (Ω)	IC (Max.) (mA)	Price Each			
						1	10	100	250
621-DDC123JU-F	DDC123JU-7-F	SOT-363	2.2K	47K	100	.47	.36	.26	.19
621-DDC143TU-F	DDC143TU-7-F	SOT-363	4.7K	--	100	.47	.36	.26	.19
621-DDC114TU-F	DDC114TU-7-F	SOT-363	10K	--	100	.47	.36	.26	.19
621-DDC114EU-F	DDC114EU-7-F	SOT-363	10K	10K	100	.47	.36	.26	.19
621-DDC124EU-F	DDC124EU-7-F	SOT-363	22K	22K	100	.47	.36	.26	.19
621-DDC144EU-F	DDC144EU-7-F	SOT-363	47K	47K	100	.47	.36	.26	.19

PNP Pre-Biased Transistors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	R1 (Ω)	R2 (Ω)	IC (Max.) (mA)	Price Each			
						1	10	100	250
621-DDTB122LC-F	DDTB122LC-7-F	SOT-23	.22K	10K	-500	.40	.30	.21	.15
621-DDTB142TC-F	DDTB142TC-7-F	SOT-23	.47K	--	-500	.40	.30	.21	.15
621-DDTA113ZCA-F	DDTA113ZCA-7-F	SOT-23	1K	10K	-100	.40	.30	.21	.15
621-DDTA113TCA-F	DDTA113TCA-7-F	SOT-23	1K	--	-100	.40	.30	.21	.15
621-DDTA123JUA-F	DDTA123JUA-7-F	SOT-323	2.2K	47K	-100	.40	.30	.21	.15
621-DDTA123YCA-F	DDTA123YCA-7-F	SOT-23	2.2K	10K	-100	.40	.30	.21	.15
621-DDTA123ECA-F	DDTA123ECA-7-F	SOT-23	2.2K	2.2K	-100	.40	.30	.21	.15
621-DDTA123EUA-F	DDTA123EUA-7-F	SOT-323	2.2K	2.2K	-100	.40	.30	.21	.15
621-DDTA143ZCA-F	DDTA143ZCA-7-F	SOT-23	4.7K	47K	-100	.40	.30	.21	.15
621-DDTA143XCA-F	DDTA143XCA-7-F	SOT-23	4.7K	10K	-100	.40	.30	.21	.15
621-DDTA143ECA-F	DDTA143ECA-7-F	SOT-23	4.7K	4.7K	-100	.40	.30	.21	.15
621-DDTA143TCA-F	DDTA143TCA-7-F	SOT-23	4.7K	--	-100	.40	.30	.21	.15
621-DDTA143TUA-F	DDTA143TUA-7-F	SOT-323	4.7K	--	-100	.40	.30	.21	.15
621-DDTA114YCA-F	DDTA114YCA-7-F	SOT-23	10K	47K	-100	.40	.30	.21	.15
621-DDTA114YUA-F	DDTA114YUA-7-F	SOT-323	10K	47K	-100	.40	.30	.21	.15
621-DDTA114ECA-F	DDTA114ECA-7-F	SOT-23	10K	10K	-100	.40	.30	.21	.15
621-DDTA114WCA-F	DDTA114WCA-7-F	SOT-23	10K	4.7K	-100	.40	.30	.21	.15
621-DDTA144EE-F	DDTA144EE-7-F	SOT-523	47K	47K	-100	.39	.30	.22	.16
621-DDTA115ECA-F	DDTA115ECA-7-F	SOT-23	100K	100K	-100	.40	.30	.21	.15

NPN Pre-Biased Transistors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Diodes Inc. Part No.	Package	R1 (Ω)	R2 (Ω)	IC (Max.) (mA)	Price Each			
						1	10	100	250
621-DDTC115GUA-F	DDTC115GUA-7-F	SOT-323	--	100K	100	.40	.30	.21	.15
621-DDTD122LC-F	DDTD122LC-7-F	SOT-23	.22K	10K	500	.40	.30	.21	.15
621-DDTD122LU-F	DDTD122LU-7-F	SOT-323	.22K	10K	500	.40	.30	.21	.15
621-DDTD142TC-F	DDTD142TC-7-F	SOT-23	.47K	--	500	.40	.30	.21	.15
621-DDTC113ZCA-F	DDTC113ZCA-7-F	SOT-23	1K	10K	100	.40	.30	.21	.15
621-DDTC113TCA-F	DDTC113TCA-7-F	SOT-23	1K	--	100	.40	.30	.21	.15
621-DDTC113TUA-F	DDTC113TUA-7-F	SOT-323	1K	--	100	.40	.30	.21	.15
621-DDTC123ECA-F	DDTC123ECA-7-F	SOT-23	2.2K	2.2K	100	.40	.30	.21	.15
621-DDTC123YCA-F	DDTC123YCA-7-F	SOT-23	2.2K	10K	100	.40	.30	.21	.15
621-DDTC123JCA-F	DDTC123JCA-7-F	SOT-23	2.2K	47K	100	.40	.30	.21	.15
621-DDTC123JE-F	DDTC123JE-7-F	SOT-523	2.2K	47K	100	.39	.30	.22	.16
621-DDTC123TCA-F	DDTC123TCA-7-F	SOT-23	2.2K	--	100	.40	.30	.21	.15
621-DDTC143ECA-F	DDTC143ECA-7-F	SOT-23	4.7K	4.7K	100	.40	.30	.21	.15
621-DDTC143EE-F	DDTC143EE-7-F	SOT-523	4.7K	4.7K	100	.39	.30	.22	.16
621-DDTC143FCA-F	DDTC143FCA-7-F	SOT-23	4.7K	22K	100	.40	.30	.21	.15
621-DDTC143ZE-F	DDTC143ZE-7-F	SOT-523	4.7K	47K	100	.39	.30	.22	.16
621-DDTC143TCA-F	DDTC143TCA-7-F	SOT-23	4.7K	--	100	.40	.30	.21	.15
621-DDTC114WE-F	DDTC114WE-7-F	SOT-523	10K	4.7K	100	.39	.30	.22	.16
621-DDTC114YUA-F	DDTC114YUA-7-F	SOT-323	10K	47K	100	.40	.30	.21	.15
621-DDTC114ECA-F	DDTC114ECA-7-F	SOT-23	10K	10K	100	.40	.30	.21	.15
621-DDTC114EE-F	DDTC114EE-7-F	SOT-523	10K	10K	100	.39	.30	.22	.16
621-DDTC114EUA-F	DDTC114EUA-7-F	SOT-323	10K	10K	100	.40	.30	.21	.15
621-DDTC114YCA-F	DDTC114YCA-7-F	SOT-23	10K	47K	100	.40	.30	.21	.15
621-DDTC114YE-F	DDTC114YE-7-F	SOT-523	10K	47K	100	.39	.30	.22	.16
621-DDTC114TCA-F	DDTC114TCA-7-F	SOT-23	10K	--	100	.40	.30	.21	.15
621-DDTC114TUA-F	DDTC114TUA-7-F	SOT-323	10K	--	100	.40	.30	.21	.15
621-DDTC124ECA-F	DDTC124ECA-7-F	SOT-23	22K	22K	100	.40	.30	.21	.15
621-DDTC124XCA-F	DDTC124XCA-7-F	SOT-23	22K	47K	100	.40	.30	.21	.15
621-DDTC124TCA-F	DDTC124TCA-7-F	SOT-23	22K	--	100	.40	.30	.21	.15
621-DDTC144VUA-F	DDTC144VUA-7-F	SOT-323	47K	10K	100	.40	.30	.21	.15
621-DDTC144WUA-F	DDTC144WUA-7-F	SOT-323	47K	22K	100	.40	.30	.21	.15
621-DDTC144EE-F	DDTC144EE-7-F	SOT-523	47K	47K	100	.39	.30	.22	.16
621-DDTC144EUA-F	DDTC144EUA-7-F	SOT-323	47K	47K	100	.40	.30	.21	.15
621-DDTC144TCA-F	DDTC144TCA-7-F	SOT-23	47K	--	100	.40	.30	.21	.15
621-DDTC115ECA-F	DDTC115ECA-7-F	SOT-23	100K	100K	100	.40	.30	.21	.15
621-DDTC115TUA-F	DDTC115TUA-7-F	SOT-323	100K	--	100	.40	.30	.21	.15
621-DDTC115TE-F	DDTC115TE-7-F	SOT-523	100K	--	100	.39	.30	.22	.16

FAIRCHILD Power and Small Signal Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

FAIRCHILD GENERAL POWER TRANSISTORS

◆ Surface Mount Device

NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	V_{CEO} (V)	I_C (A)	h_{FE}		Price Each		
Mfr.	Mfr. Part Number				Max(mA)	TC @IC (A)	1	25	100
512	KSH200TF	TO-252	25	5	180	2	.45	.38	.27
512	MJE200STU	TO-126	25	5	180	2	.27	.23	.19
512	KSC1173YTU	TO-220	30	3	240	0.5	.47	.40	.28
512	KSD882YS	TO-126	30	3	320	1	.32	.27	.19
512	KSD882YSTU	TO-126	30	3	320	1	.32	.27	.19
512	BD13510S	TO-126	45	1.5	160	0.15	.31	.27	.23
512	BD1356STU	TO-126	45	1.5	100	0.15	.31	.27	.23
512	KSC3074YTU	TO-251	50	5	240	1	.69	.57	.42
512	KSC3076YTU	TO-251	50	2	240	0.5	.51	.42	.30
512	BD235STU	TO-126	60	2	-	0.15	.37	.32	.27
512	KSD1273OTU	TO-220F	60	3	2500	0.5	.71	.59	.43
512	KSD1273PTU	TO-220F	60	3	1500	0.5	.67	.55	.40
512	KSD1273QTU	TO-220F	60	3	1000	0.5	.64	.54	.39
512	KSD2012GTU	TO-220F	60	3	320	0.5	.56	.47	.33
512	KSD2058YTU	TO-220F	60	3	300	0.5	.51	.43	.31
512	KSD73Y	TO-220	60	5	240	1	.71	.60	.45
512	KSD794AYS	TO-126	60	3	320	0.5	.48	.41	.31
512	KSD880O	TO-220	60	3	120	0.5	.61	.51	.36
512	KSD880Y	TO-220	60	3	200	0.5	.61	.51	.36
512	MJE181STU	TO-126	60	3	250	0.1	.27	.23	.20
512	MJE3055TTU	TO-220	60	10	100	4	.50	.43	.36
512	BD13916STU	TO-126	80	1.5	250	0.15	.31	.27	.23
512	BD1396S	TO-126	80	1.5	100	0.15	.31	.27	.23
512	BD1396STU	TO-126	80	1.5	100	0.15	.31	.27	.23
512	BD17910STU	TO-126	80	3	250	0.15	.37	.32	.27
512	BD239BTU	TO-220	80	2	-	1	.50	.44	.36
512	KSD526O	TO-220	80	4	140	0.5	.62	.52	.37
512	KSE44H11TU	TO-220	80	10	-	2	.74	.62	.44
512	KSH44H11TF	TO-252	80	8	-	2	.75	.63	.45
512	MJD44H11TF	TO-252	80	8	-	2	.59	.50	.42
512	MJE182STU	TO-126	80	3	250	0.1	.27	.23	.20
512	BD239C	TO-220	100	2	-	1	.50	.44	.36
512	BD241CTU	TO-220	100	3	-	3	.50	.44	.37
512	KSC2334YTU	TO-220	100	7	240	3	.92	.77	.55
512	KSH29CTF	TO-251	100	1	75	1	.49	.41	.30
512	KSH41CTF	TO-252	100	6	75	3	.65	.53	.39
512	TIP29C	TO-220	100	1	75	1	.41	.35	.31
512	TIP41C	TO-220	100	6	75	3	.45	.39	.35
512	KSD363R	TO-220	120	6	80	1	.89	.74	.54
512	BU407	TO-220	150	7	-	-	.80	.70	.58
512	KSC3296YTU	TO-220F	150	1.5	140	0.5	.52	.43	.31
512	KSC2690AOSTSTU	TO-126	160	1.2	200	0.3	.39	.32	.23
512	KSC2690AYS	TO-126	160	1.2	320	0.3	.39	.32	.23
512	KSC2690AYSTSTU	TO-126	160	1.2	320	0.3	.39	.32	.23
512	KSC2682YSTU	TO-126	180	0.1	320	0.01	.31	.25	.19
512	KSC3502ESTU	TO-126	200	0.1	320	0.01	.31	.26	.18
512	KSC2688YSTU	TO-126	300	0.2	200	0.01	.31	.26	.18
512	KSC3503CS	TO-126	300	0.1	80	0.01	.32	.26	.19
512	KSC3503DSTU	TO-126	300	0.1	120	0.01	.30	.24	.18
512	KSH340TF	TO-252	300	0.5	240	0.05	.57	.46	.34
512	MJE340STU	TO-126	300	0.5	240	0.05	.32	.27	.23
512	KSC3233DTF	TO-252	400	2	-	0.1	.56	.47	.33

PNP

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	V_{CEO} (V)	I_C (A)	h_{FE}		Price Each		
Mfr.	Mfr. Part Number				Max(mA)	TC @IC (A)	1	25	100
512	MJD210TF	TO-252	25	5	180	2	.42	.36	.30
512	KSB772YS	TO-126	30	3	320	1	.33	.27	.20
512	KSB772YSTU	TO-126	30	3	320	1	.33	.27	.20
512	MJE170STU	TO-126	40	3	250	0.1	.28	.24	.20
512	TIP42	TO-220	40	6	75	3	.47	.41	.36
512	BD13610STU	TO-126	45	1.5	160	0.15	.33	.29	.24
512	BD13616S	TO-126	45	1.5	250	0.15	.33	.29	.24
512	BD13616STU	TO-126	45	1.5	250	0.15	.33	.29	.24
512	BD438STU	TO-220	45	4	-	0.01	.46	.40	.33
512	KSA1244YTU	TO-251	50	5	240	1	.66	.58	.48
512	BD244A	TO-220	60	6	-	0.3	.59	.52	.43
512	KSB1097YTU	TO-220F	60	7	200	3	1.02	.89	.74
512	KSB1151YSTSTU	TO-126	60	5	320	2	.59	.50	.37
512	KSB1151YSTU	TO-126	60	5	320	2	.59	.50	.37
512	KSB1366GTU	TO-220F	60	3	320	0.5	.62	.52	.37
512	KSE2955T	TO-220	60	10	100	4	.61	.51	.36
512	KSH2955TF	TO-251	60	10	100	4	.59	.50	.36
512	KSH2955TM	TO-251	60	10	100	4	.59	.50	.36
512	MJD2955TF	TO-252	60	10	100	4	.50	.43	.36
512	MJE2955TTU	TO-220	60	10	100	4	.50	.43	.36
512	BD14010STU	TO-126	80	1.5	160	0.15	.33	.29	.24
512	BD14016S	TO-126	80	1.5	250	0.15	.33	.29	.24
512	BD14016STU	TO-126	80	1.5	250	0.15	.33	.29	.24
512	BD238STU	TO-126	80	2	-	0.15	.37	.32	.27
512	BD242B	TO-220	80	3	-	3	.50	.44	.37
512	KSB596OTU	TO-220	80	4	140	0.5	.62	.52	.37
512	KSB596YTU	TO-220	80	4	240	0.5	.62	.52	.37
512	MJD45H11TF	TO-252	80	8	-	2	.58	.44	.33
512	MJD45H11TM	TO-252	80	8	-	2	.63	.54	.45

PNP (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	V_{CEO} (V)	I_C (A)	h_{FE}		Price Each		
Mfr.	Mfr. Part Number				Max(mA)	TC @IC (A)	1	25	100
512	MJE172STU	TO-126	80	3	250	0.1	.28	.24	.20
512	TIP32BTU	TO-220	80	3	50	3	.45	.39	.35
512	TIP42B	TO-220	80	6	75	3	.47	.41	.36
512	BD244C	TO-220	100	6	-	0.3	.59	.52	.43
512	KSH42CTF	TO-252	100	6	75	3	.66	.55	.40
512	KSB546O	TO-220	150	2	140	0.4	.63	.53	.38
512	KSA1220AOS	TO-126	160	1.2	200	0.3	.38	.33	.27
512	KSA1220AYS	TO-126	160	1.2	320	0.3	.38	.33	.27
512	KSA1220AYSTSTU	TO-126	160	1.2	320	0.3	.38	.33	.27
512	KSA1142YSTU	TO-126	180	0.1	320	0.01	.28	.25	.21
512	KSA1406CSTU	TO-126	200	0.1	120	0.01	.27	.24	.20
512	KSA1381ESTU	TO-126	300	0.1	200	0.01	.28	.25	.21
512	KSH350TF	TO-252	300	0.5	240	0.05	.59	.49	.35
512	MJE350STU	TO-126	300	0.5	240	0.05	.32	.27	.23

FAIRCHILD DARLINGTON POWER TRANSISTORS

NPN

For quantities of 500 and up, call for quote.

512	BD675AS	TO-126	45	45	-	2	.46	.40	.33
512	BDX53ATU	TO-220	60	8	-	3	.58	.51	.42
512	MJE800STU	TO-126	60	4	-	1.5	.42	.36	.30
512	TIP140TU	TO-3P	60	10	-	5	1.11	.93	.74
512	BDW93CFTU	TO-220F	100	12	20000	5	.83	.73	.60
512	BDX53C	TO-220	100	8	-	3	.59	.51	.42
512	KSH127TF	TO-252	100	8	12000	4	.67	.55	.40
512	TIP102	TO-220	100	8	20000	3	.62	.53	.47
512	TIP122	TO-220	100	5	-	0.5	.45	.37	.28
512	TIP127TU	TO-220	100	5	-	0.5	.47	.41	.36
512	BU806	TO-220	200	8	-	-	1.03	.90	.74

PNP

For quantities of 500 and up, call for quote.

512	MJE700STU	TO-126	60	4	-	1.5	.42	.36	.30
512	BDW94C	TO-220	100	12	20000	5	.86	.75	.62
512	BDX34C	TO-220	100	10	-	3	.86	.75	.62

FAIRCHILD SWITCHING POWER TRANSISTORS

NPN

For quantities of 500 and up, call for quote.

512	KSC2752OSTU	TO-126	400	0.5	80	0.05	.36	.30	.21
512	FJP13009TU	TO-220	400	12	40	5	.87	.73	.64
512	KSC3552OTU	TO-3P	800	12	40	0.8	3.89	3.24	2.31

FAIRCHILD AUDIO AND CAR AMP

NPN

For quantities of 500 and up, call for quote.

512	FJA4310OTU	TO-3P	140	10	180	3	1.59	1.32	1.16
512	FJL4315OTU	TO-264	230	15	55	1	3.13	2.61	2.29
512	FJP13007TU	TO-220	400	8	60	2	.67	.56	.49

PNP

For quantities of 500 and up, call for quote.

512	FJA4213OTU	TO-3P	230	15	160	1	2.27	1.89	1.66
512	FJAF4210YTU	TO-3PF	140	10	180	3	1.70	1.42	1.25
512	FJL4215OTU	TO-264	230	15	160	1	3.48	2.90	2.56

FAIRCHILD GEN. PURPOSE SMALL SIGNAL TRANSISTORS

NPN

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA)		Price Each			
Mfr.	Mfr. Part Number				Max	@IC	1	25	100	250
512	KSC2500BBU	TO-92L	10	2.0	330	2000	.14	.12	.08	.06
512	KSC2500BTA	TO-92L	10	2.0	330	2000	.14	.12	.08	.06
512	KSC2500DBU	TO-92L	10	2.0	600	2000	.14	.12	.08	.06
512	KSC5019MBU	TO-92	10	2.0	330	2000	.09	.07	.05	.04
512	KSC5019MTA	TO-92L	10	2.0	600	2000	.09	.08	.06	.05
512	KSC5019NTA	TO-92	10	2.0	450	2000	.08	.06	.05	.04
◆512	BSV52	SOT-23	12	0.2	120	50	.06	.05	.04	.03
512	2N5769	TO-92	15	0.2	120	100	.10	.08	.06	.05
◆512	MMBT2369	SOT-23	15	-	120	10	.07	.06	.05	.04
◆512	MMBT3646	SOT-23	15	0.3	120	300	.06	.05	.04	.03
512	PN2369	TO-92	15	-	120	10	.09	.07	.05	.04
512	PN2369A	TO-92	15	0.2	120	100	.09	.07	.05	.04
512	PN3646	TO-92	15	-	120	100	.10	.08	.06	.05
512	PN4275	TO-92	15	0.2	120	100	.11	.09	.06	.05
◆512	BCP68	SOT-223	20	2.0	375	1	.31	.25	.19	.15
512	FJN5471TA	TO-92	20	5.0	1000	3000	.09	.08	.07	.06
512	FJN965TA	TO-92	20	5.0	600	3000	.52	.40	.24	.12
512	KSC2710YBU	TO-92S	20	0.5	240	500	.08	.06	.05	.04
512	KSD5041PBU	TO-92	20	5.0	270	3000	.09	.08	.05	.04
512	KSD5041PTA	TO-92	20	5.0	270	3000	.09	.07	.05	.04
512	KSD5041QBU	TO-92	20	5.0	380	3000	.09	.08	.05	.04
512	KSD5041RBU	TO-92	20	5.0	600	3000	.09	.08	.05	.04
512	KSD5041RTA	TO-92	20	5.0	600	3000	.09	.07	.05	.04
512	SS9013FBU	TO-92	20	0.5	135	500	.06	.05	.04	.03
512	2N3390	TO-92	25	0.5	800	-	.12	.11	.06	.05

FAIRCHILD Small Signal Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD GENERAL PURPOSE SMALL SIGNAL TRANSISTORS (CONT.)

♦ Surface Mount Device

NPN (Cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part Number	Package	VCEO (V)	IC Max (A)	hFE (mA) Max	@IC	Price Each 1	25	100	250
512—2N3391A	TO-92	25	0.5	500	-	.12	.11	.06	.05
512—2N3392	TO-92	25	0.5	300	-	.12	.11	.06	.05
512—2N3393	TO-92	25	0.5	180	-	.11	.09	.06	.05
512—2N3415	TO-92	25	0.5	540	50	.11	.10	.06	.05
512—2N5089TF	TO-92	25	0.1	1200	10	.05	.04	.03	.02
512—2N5172	TO-92	25	0.5	500	10	.06	.05	.04	.03
512—BC238	TO-92	25	0.1	800	100	.10	.09	.05	.04
512—BC239CTA	TO-92	25	0.1	800	2	.06	.05	.04	.02
512—BC338	TO-92	25	0.8	630	500	.21	.17	.11	.09
♦512—FSB649	SuperSOT-3	25	3.0	300	3000	.23	.20	.17	.15
♦512—FZT649	SOT-223	25	3.0	300	3000	.37	.29	.26	.22
♦512—KSC3265YMTF	SOT-23	25	0.8	320	500	.08	.07	.04	.03
♦512—KSD1621STF	SOT-89	25	2.0	280	1500	.35	.27	.20	.17
♦512—MMBT4124	SOT-23	25	0.2	360	50	.06	.05	.04	.03
♦512—MMBT5089	SOT-23	25	0.1	1200	10	.07	.05	.04	.03
♦512—MMBT6515	SOT-23	25	-	500	50	.07	.05	.04	.03
512—MPS6514	TO-92	25	-	300	50	.11	.08	.06	.04
512—MPS6515	TO-92	25	-	500	50	.11	.08	.06	.04
512—MPS6521	TO-92	25	-	600	50	.10	.09	.05	.04
512—PN3565	TO-92	25	0.5	600	1	.11	.09	.06	.04
512—SS8050BBU	TO-92	25	1.5	160	800	.09	.07	.06	.03
512—SS8050CTA	TO-92	25	1.5	200	100	.09	.07	.06	.03
512—SS8050DTA	TO-92	25	1.5	300	100	.09	.07	.06	.03
512—SS8550DBU	TO-92	25	1.5	300	800	.08	.07	.04	.03
512—2N3704	TO-92	30	0.5	300	100	.11	.10	.06	.05
512—2N4953	TO-92	30	1.0	600	150	.09	.07	.06	.05
512—BC183	TO-92	30	0.1	-	100	.52	.40	.24	.12
512—BC183C	TO-92	30	0.1	800	100	.52	.40	.24	.12
512—BC183LC	TO-92	30	0.1	850	100	.52	.40	.24	.12
512—BC184	TO-92	30	0.5	-	100	.52	.40	.24	.12
512—BC184C	TO-92	30	0.5	800	10	.52	.40	.24	.12
512—BC184L	TO-92	30	0.5	-	100	.52	.40	.24	.12
512—BC184LC	TO-92	30	0.2	-	100	.52	.40	.24	.12
512—BC549	TO-92	30	0.1	800	100	.24	.20	.14	.10
♦512—BC848AMTF	SOT-23	30	0.1	220	2	.06	.05	.04	.03
♦512—BC848BMTF	SOT-23	30	0.1	450	2	.06	.05	.04	.03
♦512—BC848CMTF	SOT-23	30	0.1	800	2	.06	.05	.04	.03
♦512—BC849BMTF	SOT-23	30	0.1	450	2	.06	.05	.04	.03
♦512—BSR13	SOT-23	30	0.5	300	500	.07	.06	.04	.03
♦512—FJC1963STF	SOT-89	30	3.0	560	1500	.24	.20	.15	.13
♦512—FMMT449	SuperSOT-3	30	1.0	300	2000	.13	.12	.08	.06
512—KSC2328AYBU	TO-92	30	2.0	320	1500	.13	.11	.08	.06
512—KSC2328AYTA	TO-92	30	2.0	320	1500	.12	.10	.07	.05
512—KSC839YBU	TO-92	30	0.1	240	10	.07	.06	.04	.03
512—KSD1021YTA	TO-92S	30	1.0	240	1000	.08	.06	.04	.03
512—KSD471ACGTA	TO-92	30	1.0	400	1000	.08	.07	.04	.03
512—KSD471ACYBU	TO-92	30	1.0	240	1000	.08	.07	.04	.03
512—KSD471AGTA	TO-92	30	1.0	400	1000	.08	.07	.04	.03
♦512—MMBT2222	SOT-23	30	-	-	150	.06	.05	.04	.03
512—MPS6513	TO-92	30	-	180	50	.11	.08	.06	.05
512—MPSW01	TO-226	30	-	-	1	.29	.25	.21	.18
512—PN3566	TO-92	30	0.6	600	100	.11	.09	.06	.05
512—PN3643	TO-92	30	0.5	300	150	.11	.10	.06	.05
512—PN4141	TO-92	30	0.5	300	500	.11	.10	.06	.05
♦512—BCW31	SOT-23	32	0.5	220	10	.07	.05	.04	.03
♦512—BCW32	SOT-23	32	0.5	450	10	.10	.08	.07	.06
♦512—BCW33	SOT-23	32	0.5	800	10	.07	.05	.04	.03
♦512—BCW60B	SOT-23	32	0.1	310	50	.06	.05	.04	.03
♦512—BCW60D	SOT-23	32	0.1	630	50	.06	.05	.04	.03
512—2N3903	TO-92	40	0.2	150	50	.11	.10	.06	.05
512—2N3904TA	TO-92	40	0.2	300	50	.21	.19	.14	.13
512—2N4401BU	TO-92	40	0.6	300	500	.06	.05	.04	.03
♦512—BSR14	SOT-23	40	0.8	300	500	.07	.05	.04	.03
♦512—BSR17A	SOT-23	40	0.2	300	50	.06	.05	.04	.03
♦512—BSS79C	SOT-23	40	0.8	300	150	.07	.05	.04	.03
♦512—FJX2222ATF	SOT-323	40	0.6	300	500	.07	.06	.05	.04
♦512—FJX3904TF	SOT-323	40	0.2	300	50	.09	.07	.06	.05
♦512—KST2222AMTF	SOT-23	40	0.6	300	150	.07	.05	.04	.03
♦512—KST3904MTF	SOT-23	40	0.2	300	10	.07	.06	.05	.04
♦512—MMBT2222A	SOT-23	40	1.0	300	500	.06	.05	.04	.03
♦512—MMBT2222AK	SOT-23	40	0.6	300	500	.03	.03	.02	.02
♦512—MMBT3904	SOT-23	40	0.2	300	50	.06	.05	.04	.03
♦512—MMBT3904K	SOT-23	40	0.2	300	50	.03	.03	.02	.02
♦512—MMBT4400	SOT-23	40	0.6	150	500	.06	.05	.04	.03
♦512—MMBT4401	SOT-23	40	0.6	300	500	.06	.05	.04	.03
512—MPS6531	TO-92	40	1.0	270	100	.09	.08	.05	.04
512—MPSA20	TO-92	40		400	10	.12	.10	.06	.04
♦512—NZT6715	SOT-223	40	1.5	250	1000	.21	.18	.16	.13
512—PN3567	TO-92	40	0.6	120	150	.11	.09	.06	.05
512—PN3569	TO-92	40	0.5	300	150	.11	.09	.06	.05
♦512—PZT2222A	SOT-223	40	1.0	300	500	.22	.19	.16	.13
♦512—PZT3904	SOT-223	40	0.2	300	50	.24	.20	.15	.12
512—TIS97	TO-92	40	0.5	700	-	.10	.08	.07	.04
512—TN2219A	TO-226	40	1.0	300	500	.21	.18	.13	.09
512—TN6715A	TO-226	40	1.5	250	1000	.40	.34	.23	.20
512—2N5962	TO-92	45	0.1	1400	10	.14	.11	.08	.06

NPN (Cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part Number	Package	VCEO (V)	IC Max (A)	hFE (mA) Max	@IC	Price Each 1	25	100	250
512—BC237	TO-92	45	0.1	800	100	.11	.10	.06	.05
512—BC337	TO-92	45	0.8	630	500	.36	.30	.20	.14
512—BC33725TA	TO-92L	45	0.8	630	500	.05	.05	.04	.03
512—BC33740TA	TO-92L	45	0.8	630	500	.05	.05	.04	.03
512—BC547	TO-92	45	0.1	800	100	.24	.20	.14	.10
512—BC550	TO-92	45	0.1	800	100	.24	.20	.14	.10
512—BC635	TO-92	45	1.0	250	500	.17	.15	.11	.07
♦512—BC81716MTF	SOT-23	45	0.8	630	100	.07	.05	.04	.03
♦512—BC847AMTF	SOT-23	45	0.1	220	2	.06	.05	.04	.03
♦512—BC847BMTF	SOT-23	45	0.1	450	2	.06	.05	.04	.03
♦512—BC847CMTF	SOT-23	45	0.1	800	2	.06	.05	.04	.03
♦512—BC850BMTF	SOT-23	45	0.1	450	2	.06	.05	.04	.03
♦512—BC850CMTF	SOT-23	45	0.1	800	2	.06	.05	.04	.03
♦512—BCP54	SOT-223	45	1.5	250	500	.29	.24	.18	.15
♦512—BCW66G	SOT-23	45	1.0	400	500	.07	.06	.04	.03
♦512—BCW71	SOT-23	45	0.5	220	10	.07	.05	.04	.03
♦512—BCX19	SOT-23	45	0.5	600	500	.12	.10	.06	.05
♦512—BCX70H	SOT-23	45	0.2	310	50	.07	.05	.04	.03
♦512—BCX70J	SOT-23	45	0.2	460	50	.06	.05	.04	.03
♦512—BCX70K	SOT-23	45	0.2	630	50	.06	.05	.04	.03
♦512—MMBT100	SOT-23	45	0.5	450	200	.07	.05	.04	.03
♦512—MMBT100A	SOT-23	45	0.5	600	200	.07	.05	.04	.03
♦512—MMBT5962	SOT-23	45	0.1	1400	10	.07	.05	.04	.03
512—MPSA18	TO-92	45	0.1	1500	50	.13	.10	.08	.06
512—PN100	TO-92	45	0.5	450	200	.11	.10	.06	.05
512—PN100A	TO-92	45	0.5	600	200	.12	.10	.07	.06
512—PN3642	TO-92	45	0.5	120	150	.11	.10	.06	.05
512—SS9014ABU	TO-92	45	0.1	150	100	.07	.06	.04	.03
512—SS9014BBU	TO-92	45	0.1	300	100	.07	.06	.04	.03
512—2N3416	TO-92	50	0.5	225	50	.11	.09	.06	.05
512—2N3417	TO-92	50	0.5	540	50	.11	.09	.06	.05
512—BC182	TO-92	50	0.5	-	100	.52	.40	.24	.12
512—BC182B	TO-92	50	0.5	-	100	.52	.40	.24	.12
512—BC182L	TO-92	50	0.5	-	100	.52	.40	.24	.12
512—BC182LB	TO-92	50	0.1	-	100	.52	.40	.24	.12
♦512—FJX945GTF	SOT-323	50	0.2	400	100	.07	.06	.05	.04
♦512—FJX945YTF	SOT-323	50	0.2	240	100	.07	.06	.05	.04
♦512—KSC1623LMTF	SOT-23	50	0.1	600	100	.06	.05	.04	.03
♦512—KSC1623OMTF	SOT-23	50	0.1	180	100	.06	.05	.04	.03
512—KSC1815GRBU	TO-92	50	0.2	400	100	.06	.05	.04	.03
512—KSC1815GRTA	TO-92	50	0.2	400	100	.06	.05	.04	.03
512—KSC1815YBU	TO-92	50	0.2	240	100	.06	.05	.04	.03
512—KSC1815YTA	TO-92	50	0.2	240	100	.06	.05	.04	.03
512—KSC2785OTA	TO-92S	50	0.2	140	100	.08	.07	.04	.03
512—KSC2785YBU	TO-92S	50	0.2	240	100	.08	.07	.04	.03
512—KSC945CGBU	TO-92	50	0.2	400	100	.06	.05	.04	.03
512—KSC945CGTA	TO-92	50	0.2	400	100	.06	.05	.04	.03
512—KSC945CLTA	TO-92	50	0.2	700	100	.06	.05	.04	.03
512—KSC945CYBU	TO-92	50	0.2	240	100	.06	.05	.04	.03
512—KSC945CYTA	TO-92	50	0.2	240	100	.06	.05	.04	.03
512—KSC945GBU	TO-92	50	0.2	400	100	.06	.05	.04	.03
512—KSC945GTA	TO-92	50	0.2	400	100	.06	.05	.04	.03
512—KSC945LBU	TO-92	50	0.2	700	100	.06	.05	.04	.03
512—KSC945OBU	TO-92	50	0.2	140	100	.05	.04	.03	.02
512—KSC945OTA	TO-92	50	0.2	140	100	.06	.05	.04	.03
512—KSC945YBU	TO-92	50	0.2	240	100	.06	.05	.04	.03
512—KSC945YTA	TO-92	50	0.2	240	100	.06	.05	.04	.03
512—KSD1616GBU	TO-92	50	1.0	400	1000	.09	.08	.05	.04
512—KSD1616LBU	TO-92	50	1.0	600	1000	.09	.08	.05	.04
512—KSD1616YBU	TO-92	50	1.0	270	1000	.09	.08	.05	.04
♦512—MMBT5210	SOT-23	50	0.5	600	10	.07	.05	.04	.03
♦512—MMBT6428	SOT-23	50	0.5	650	100	.07	.05	.04	.03
512—2N3859A	TO-92	60	0.5	200	-	.11	.09	.06	.05
512—BC337A	TO-92	60	-	400	500	.34	.28	.17	.13
512—BC637	TO-92	60	1.0	160	500	.16	.14	.10	.07
♦512—BCP55	SOT-223	60	1.5	250	500	.29	.24	.18	.15
♦512—BCV71	SOT-23	60	-	220	10	.07	.05	.04	.03
512—FPN560A	TO-226	60	3.0	550	2000	.48	.41	.31	.23
♦512—FSB560	SuperSOT-3	60	2.0	300	2000	.20	.17	.15	.11
♦512—FSB560A	SuperSOT-3	60	2.0	550	2000	.26	.22	.19	.16
512—KSC1008CYTA	TO-92	60	0.7	240	50	.10	.06	.05	.03
512—KSC1008GBU	TO-92	60	0.7	400	500	.10	.06	.05	.03
512—KSC2331YBU	TO-92	60	0.7	240	500	.11	.09	.06	.05
512—KSD1616AGBU	TO-92	60	1.0	400	1000	.09	.08	.05	.04
512—KSD1616AGTA	TO-92	60	1.0	400	1000	.09	.08	.05	.04
512—KSD1616ALTA	TO-92	60	1.0	600	1000	.09	.08	.05	.04
512—KSD1616AYBU	TO-92	60	1.0	270	1000	.09	.08	.05	.04
512—KSP05TA	TO-92L	60	0.5	-	100	.06	.05	.04	.03
♦512—MMBT2484	SOT-23	60	0.1	500	1	.07	.05	.04	.03
♦512—MMBTA05	SOT-23	60	-	-	100	.08	.07	.05	.03
512—MPS651	TO-92	60	-	-	1000	.17	.14	.11	.08
512—MPS8098	TO-92	60	0.5	300	100	.11	.09	.06	.04
512—MPSA05	TO-92	60	-	-	100	.13	.10	.07	.05
♦512—NZT560A	SOT-223	60	3.0	550	3000	.31	.27	.23	.19
♦512—NZT651	SOT-223	60	4.0	-	2000	.48	.41	.35	.29
512—PN2484	TO-92	60	0.1	500	1	.12	.09	.07	.06

FAIRCHILD Small Signal Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

◆ Surface Mount Device

FAIRCHILD GENERAL PURPOSE SMALL SIGNAL TRANSISTORS (CONT.)

NPN (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA)		Price Each			
Mfr.	Mfr. Part Number				Max	@IC	1	25	100	250
512	PN3568	TO-92	60	1.0	120	150	.20	.18	.13	.12
512	TN6716A	TO-226	60	2.0	250	250	.40	.34	.23	.20
512	BC546	TO-92	65	0.1	800	100	.24	.20	.14	.10
◆512	BC846BMTF	SOT-23	65	0.1	450	2	.06	.05	.04	.03
512	2N4410	TO-92	80	0.2	400	1	.20	.17	.12	.10
512	BC639	TO-92	80	1.0	160	500	.18	.16	.10	.08
◆512	BCP56	SOT-223	80	1.2	250	500	.31	.25	.18	.15
◆512	BSS64	SOT-23	80	200.0	-	50	.09	.08	.05	.04
◆512	FZT3019	SOT-223	80	-	-	150	.24	.20	.18	.15
512	KSP06TA	TO-92L	80	0.5	-	100	.06	.05	.04	.03
◆512	KST06MTF	SOT-23	80	0.5	-	100	.08	.07	.04	.03
◆512	MMBTA06	SOT-23	80	0.5	-	100	.10	.08	.06	.05
512	MPSA06	TO-92	80	0.5	-	100	.13	.11	.07	.06
512	MPSW06	TO-226	80	0.5	-	100	.41	.34	.26	.20
◆512	NZT6717	SOT-223	80	1.2	250	250	.22	.19	.17	.12
◆512	PZTA06	SOT-223	80	0.5	-	100	.30	.25	.19	.15
512	TN3019A	TO-226	80	1.0	300	500	.39	.32	.24	.19
512	TN6717A	TO-226	80	1.2	250	250	.44	.38	.26	.21
512	2N5830	TO-92	100	0.2	500	50	.12	.11	.06	.05
◆512	FJV1845EMTF	SOT-23	120	0.1	800	10	.06	.05	.04	.03
◆512	FJV1845FMTF	SOT-23	120	0.1	600	10	.06	.05	.04	.03
512	KSC1845EBU	TO-92	120	0.1	800	10	.07	.06	.05	.03
512	KSC1845ETA	TO-92	120	0.1	800	10	.06	.05	.04	.03
512	KSC1845FBU	TO-92	120	0.1	600	10	.07	.06	.05	.03
512	KSC1845FTA	TO-92	120	0.1	600	10	.07	.06	.05	.03
512	KSC1845PBU	TO-92	120	0.1	400	10	.07	.06	.05	.03
512	KSC1845PTA	TO-92	120	0.1	400	10	.07	.06	.04	.03
512	KSC1845UBU	TO-92	120	0.1	1200	10	.06	.05	.04	.02
512	KSC2316OTA	TO-92L	120	0.8	160	500	.13	.11	.07	.05
512	KSC2316YBU	TO-92L	120	0.8	240	500	.82	.65	.40	.27
512	KSC2316YTA	TO-92L	120	0.8	240	500	.82	.65	.40	.27
◆512	KSC2881OTF	SOT-89	120	0.8	160	500	.25	.20	.14	.11
◆512	KSC2881YTF	SOT-89	120	0.8	240	500	.25	.20	.14	.11
512	MPSL01	TO-92	120	0.2	300	50	.11	.09	.07	.06
◆512	KST5550MTF	SOT-23	140	0.6	250	10	.09	.06	.05	.03
512	KSC2310OTA	TO-92L	150	0.1	140	10	.11	.08	.06	.05
◆512	MMBT5550	SOT-23	150	0.6	250	50	.07	.06	.04	.03
512	KSC2383OBU	TO-92L	160	1.0	200	500	.17	.14	.09	.07
512	KSC2383OTA	TO-92L	160	1.0	200	500	.17	.14	.09	.07
512	KSC2383YBU	TO-92L	160	1.0	320	500	.17	.14	.09	.07
512	KSC2383YTA	TO-92L	160	1.0	320	500	.17	.14	.09	.07
◆512	MMBT5551	SOT-23	160	0.6	250	50	.08	.07	.05	.04
512	KSP43TA	TO-92	200	0.5	-	30	.09	.08	.07	.06
512	TN3440A	TO-226	250	0.1	160	50	.64	.51	.39	.29
512	KSC2330OBU	TO-92L	300	0.1	140	10	.10	.08	.06	.05
512	KSC2330OTA	TO-92L	300	0.1	140	10	.10	.08	.06	.05
512	KSC2330RBU	TO-92L	300	0.1	80	10	.10	.08	.06	.05
512	KSC2330YBU	TO-92L	300	0.1	240	10	.10	.08	.06	.05
512	KSP42TA	TO-92	300	0.5	-	30	.09	.08	.07	.06
◆512	KST42MTF	SOT-23	300	0.5	-	30	.08	.07	.04	.03
◆512	MMBTA42	SOT-23	300	0.5	-	20	.12	.10	.06	.05
512	MPSA42	TO-92	300	0.5	-	20	.14	.12	.08	.07
◆512	PZTA42	SOT-223	300	0.5	-	20	.30	.25	.19	.15
512	TN6719A	TO-226	300	0.2	200	30	.38	.32	.22	.19
512	2N6517BU	TO-92	350	0.5	200	50	.11	.08	.06	.05
512	2N6517TA	TO-92	350	0.5	200	50	.12	.09	.06	.05
◆512	FJT44KTF	SOT-223	400	0.3	200	50	.30	.25	.22	.21
◆512	FJT44TF	SOT-223	400	0.3	200	50	.32	.27	.22	.20
512	KSP44TA	TO-92	400	0.3	200	10	.13	.10	.07	.06

PNP

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA)		Price Each			
Mfr.	Mfr. Part Number				Max	@IC	1	25	100	250
◆512	MMBT3640	SOT-23	12	0.2	120	50	.67	.66	.65	.64
512	PN3640	TO-92	12	0.2	120	50	.65	.63	.60	.59
512	2N5771	TO-92	15	0.2	120	50	4.82	4.79	4.73	4.71
512	2N5772	TO-92	15	-	120	100	.11	.10	.06	.05
◆512	MMBT5771	SOT-23	15	0.2	120	50	2.13	2.12	2.11	2.10
◆512	BCP69	SOT-223	20	1.0	375	1	.30	.25	.18	.15
◆512	FJC1386QTF	SOT-89	20	5.0	270	4	.23	.20	.15	.11
◆512	FJC1386RTF	SOT-89	20	5.0	390	4	.23	.20	.15	.11
512	2N3702	TO-92	25	0.5	300	50	.11	.10	.06	.05
512	2N6076	TO-92	25	0.5	500	10	.15	.11	.08	.06
512	BC308	TO-92	25	0.1	800	10	.10	.09	.06	.04
512	BC309CBU	TO-92	25	0.1	800	10	.06	.05	.04	.03
◆512	FSB749	SuperSOT-3	25	3.0	300	3000	.21	.18	.16	.13
◆512	FZT749	SOT-223	25	3.0	300	3000	.33	.27	.24	.21
◆512	KSA1298YMTF	SOT-23	25	0.8	320	500	.07	.06	.04	.03
◆512	KSB1121STM	SOT-89	25	2.0	280	1500	.27	.22	.16	.13
◆512	KSB1121TTF	SOT-89	25	2.0	400	1500	.34	.29	.20	.17
512	KSB564ACGTA	TO-92	25	1.0	400	100	.09	.07	.06	.04
◆512	KSB798YTF	SOT-89	25	1.0	270	1000	.30	.25	.19	.15
◆512	MMBT3702	SOT-23	25	0.8	300	50	.07	.06	.05	.03
◆512	MMBT4126	SOT-23	25	0.2	360	50	.06	.05	.04	.03
512	MPS3702	TO-92	25	0.8	300	50	.11	.09	.06	.04
512	MPS6523	TO-92	25	0.5	600	50	.11	.10	.07	.04
512	MPS6562	TO-92	25	1.0	200	500	.16	.13	.09	.07
◆512	NZT749	SOT-223	25	4.0	300	1000	.41	.33	.30	.25
512	PN3638	TO-92	25	0.8	-	300	.10	.08	.06	.05

PNP (Cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA)		Price Each			
Mfr.	Mfr. Part Number				Max	@IC	1	25	100	250
512	PN3638A	TO-92	25	0.8	-	300	.10	.08	.06	.05
512	SS8550DTA	TO-92	25	1.5	300	100	.08	.07	.04	.03
512	2N3703	TO-92	30	0.5	150	50	.11	.10	.06	.05
512	BC213L	TO-92	30	0.5	400	100	.12	.10	.08	.06
512	BC214	TO-92	30	0.5	400	100	.12	.10	.08	.06
512	BC214LB	TO-92	30	0.5	400	100	.12	.10	.08	.06
512	BC558	TO-92	30	0.1	800	100	.26	.21	.15	.11
512	BC559	TO-92	30	0.1	800	100	.25	.20	.13	.10
◆512	BC858CMTF	SOT-23	30	0.1	800	2	.06	.05	.04	.03
◆512	BC859AMTF	SOT-23	30	0.1	220	2	.06	.05	.04	.03
◆512	FJC1308RTF	SOT-89	30	3.0	390	1500	.25	.21	.15	.12
◆512	FMMT549	SuperSOT-3	30	1.0	300	2000	.16	.13	.10	.08
◆512	KSA1182YMTF	SOT-23	30	0.5	240	100	.08	.06	.05	.03
◆512	KSA1203YTF	SOT-89	30	1.5	320	1500	.33	.28	.19	.16
512	KSA928AOBU	TO-92L	30	2.0	200	1500	.16	.14	.10	.08
512	KSA928AOTA	TO-92L	30	2.0	200	1500	.12	.10	.07	.05
512	KSA928AYBU	TO-92L	30	2.0	320	1500	.12	.10	.07	.05
512	KSA928AYTA	TO-92L	30	2.0	320	1500	.12	.10	.07	.05
512	PN4917	TO-92	30	0.2	300	50	.10	.08	.06	.05
512	PN5138	TO-92	30	0.5	800	10	.12	.10	.08	.05
◆512	BCW30	SOT-23	32	0.5	500	10	.07	.05	.04	.03
512	ZTX749A	TO-226	35	2.0	300	2000	.55	.49	.38	.28
512	2N3906TA	TO-92	40	0.2	300	50	.22	.19	.15	.12
512	2N4403TA	TO-92	40	0.6	300	500	.19	.16	.12	.10
512	2N5366	TO-92	40	0.5	300	50	.17	.15	.09	.07
◆512	BSR15	SOT-23	40	0.8	300	500	.07	.06	.04	.03
◆512	BSR18A	SOT-23	40	0.2	300	50	.07	.05	.04	.03
◆512	FJX3906TF	SOT-323	40	0.2	300	50	.09	.07	.05	.04
◆512	FZT790A	SOT-223	40	3.0	80	1000	.26	.21	.19	.16
◆512	KST3906MTF	SOT-23	40	0.2	300	10	.09	.06	.05	.03
◆512	MMBT2907	SOT-23	40	0.8	300	500	.08	.06	.05	.03
◆512	MMBT3906	SOT-23	40	0.2	300	50	.06	.05	.04	.03
◆512	MMBT4403	SOT-23	40	0.6	300	500	.08	.06	.05	.03
512	MPS6518	TO-92	40	0.2	300	50	.09	.08	.05	.04
512	MPS6534	TO-92	40	0.8	270	100	.10	.09	.05	.04
512	PN4122	TO-92	40	0.2	300	50	.11	.10	.06	.05
512	PN4250	TO-92	40	-	700	10	.11	.09	.06	.05
◆512	PZT3906	SOT-223	40	0.2	300	50	.24	.20	.15	.11
512	TIS93	TO-92	40	0.8	300	50	.10	.09	.06	.04
512	BC307	TO-92	45	0.1	800	10	.10	.09	.06	.04
512	BC327	TO-92	45	0.8	630	500	.37	.31	.20	.14
512	BC32725TA	TO-92	45	0.8	630	500	.05	.05	.04	.03
512	BC560	TO-92	45	0.1	800	100	.25	.20	.13	.10
512	BC636	TO-92	45	1.0	250	500	.23	.19	.13	.11
◆512	BC857AMTF	SOT-23	45	0.1	220	2	.06	.05	.04	.03
◆512	BC857BMTF	SOT-23	45	0.1	450	2	.06	.05	.04	.03
◆512	BC860BMTF	SOT-23	45	0.1	450	2	.07	.06	.04	.03
◆512	BCP51	SOT-223	45	-	250	500	.30	.25	.18	.15
◆512	BCW68G	SOT-23	45	0.8	400	300	.07	.06	.04	.03
◆512	BCX71G	SOT-23	45	0.1	220	50	.07	.06	.04	.03
◆512	BCX71J	SOT-23	45	0.1	460	50	.06	.05	.04	.03
◆512	BCX71K	SOT-23	45	0.5	630	50	.07	.05	.04	.03
◆512	MMBT200	SOT-23	45	0.5	450	200	.07	.05	.04	.03
◆512	MMBT200A	SOT-23	45	0.5	600	200	.07	.05	.04	.03
512	PN200	TO-92	45	0.5	450	200	.08	.07	.06	.05
512	PN200A	TO-92	45	0.5	600	200	.11	.09	.06	.05
512	PN3644	TO-92	45	0.8	300	150	.10	.08	.06	.05
512	BC212	TO-92	50	0.3	-	100	.13	.10	.08	.06
512	BC212B	TO-92	50	0.1	-	100	.13	.10	.08	.06
512	BC212L	TO-92	50	0.3	300	100	.12	.10	.08	.06
◆512	FJX733GTF	SOT-323	50	0.2	400	20	.07	.06	.05	.04
◆512	FJX733YTF	SOT-323	50	0.2	240	20	.07	.06	.05	.04
512	KSA1015GRBU	TO-92	50	0.2	400	100	.07	.06	.04	.03
512	KSA1015GRTA	TO-92	50	0.2	400	100	.07	.06	.04	.03
512	KSA1015YBU	TO-92	50	0.2	240	100	.60	.57	.52	.49
512	KSA1015YTA	TO-92	50	0.2	240	100	.60	.57	.52	.49
512	KSA1281YBU	TO-92L	50	2.0	240	1000	.11	.09	.07	.05
512	KSA1281YTA	TO-92L	50	2.0	240	1000	.11	.09	.07	.05
512	KSA733CYTA	TO -92	50	0.2	240	1	.06	.05	.04	.03
512	KSA733GBU	TO-92	50	0.2	400	100	.06	.05	.04	.03
512	KSA733LBU	TO-92	50	0.2	700	100	.06	.05	.04	.03
512	KSA733OBU	TO-92	50	0.2	140	100	.06	.05	.04	.03
512	KSA733YBU	TO-92	50	0.2	240	100	.06	.05	.04	.03
◆512	KSA812LMTF	SOT-23	50	0.1	600	100	.06	.05	.04	.03
◆512	KSA812YMTF	SOT-23	50	0.1	270	100	.06	.05	.04	.03
512	KSB1116GTA	TO-92	50	1.0	400	1000	.11	.09	.06	.05
512	KSB1116LBU	TO-92	50	1.0	600	1000	.10	.08	.06	.05
512	KSB1116LTA	TO-92	50	1.0	600	1000	.10	.08	.06	.05
512	KSB1116SYBU	TO-92	50	1.0	600	1000	.09	.08	.06	.04
◆512	MMBT5087	SOT-23	50	0.1	800	10	.08	.07	.05	.03
512	BC638	TO-92	60	1.0	160	500	.21	.18	.13	.08
◆512	BCP52	SOT-223	60	1.2	250	500	.29	.24	.18	.15
◆512	BCW89	SOT-23	60	0.5	260	10	.07	.06	.04	.03
◆512	BSR16	SOT-23	60	0.8	300	500	.07	.05	.04	.03
512	FPN660A	TO-226	60	3.0	550	2000	.43	.36	.26	.22
◆512	FSB660	SuperSOT-3	60	2.0	300	2000	.22	.19	.17	.14

FAIRCHILD Small Signal Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR

FAIRCHILD GENERAL PURPOSE SMALL SIGNAL TRANSISTORS (CONT.)

◆ Surface Mount Device

PNP (Cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	V_{CEO}	I_C Max	h_{FE} (mA)		Price Each			
Mfr. Mfr. Part Number		(V)	(A)	Max	@IC	1	25	100	250
◆ 512—FSB660A	SuperSOT-3	60	2.0	550	2000	.21	.18	.15	.12
512—KSA708OBU	TO-92	60	0.7	140	500	.08	.07	.04	.03
512—KSA708YBU	TO-92	60	0.7	240	500	.08	.07	.04	.03
512—KSA931YBU	TO-92L	60	0.7	240	500	.10	.08	.06	.05
512—KSB1116AGBU	TO-92	60	1.0	400	1000	.10	.08	.06	.05
512—KSP2907ACTA	TO-92	60	0.6	300	150	.09	.08	.06	.05
◆ 512—KST2907AMTF	SOT-23	60	0.6	300	150	.08	.06	.05	.03
◆ 512—KST55MTF	SOT-23	60	0.5	-	100	.07	.06	.04	.03
◆ 512—MMBT2907A	SOT-23	60	0.8	300	500	.08	.06	.05	.03
◆ 512—MMBT2907AK	SOT-23	60	0.8	300	500	.04	.03	.03	.02
◆ 512—MMBTA55	SOT-23	60	0.5	-	100	.08	.06	.05	.04
512—MPS751	TO-92	60	2.0	-	2000	.29	.25	.19	.17
512—MPS8598	TO-92	60		300	100	.12	.09	.07	.06
512—MPSA55	TO-92	60	0.5	-	100	.15	.12	.09	.06
◆ 512—NZT660A	SOT-223	60	3.0	550	3000	.30	.26	.23	.19
◆ 512—NZT751	SOT-223	60	4.0	-	2000	.45	.38	.33	.27
512—PN3645	TO-92	60	0.8	300	150	.10	.08	.06	.05
512—PN4249	TO-92	60	0.5	300	10	.13	.11	.08	.06
512—PN4250A	TO-92	60	0.5	700	10	.13	.11	.08	.06
◆ 512—PZT2907A	SOT-223	60	0.8	300	500	.21	.18	.15	.12
512—TN2907A	TO-226	60	0.8	300	500	.31	.26	.18	.16
512—TN6728A	TO-226	60	1.2	250	250	.40	.34	.23	.20
512—BC556	TO-92	65	0.1	800	100	.21	.17	.11	.09
◆ 512—BC856CMTF	SOT-23	65	0.1	800	2	.06	.05	.04	.03
512—BC640	TO-92	80	1.0	160	500	.22	.17	.12	.08
◆ 512—MMBT4356	SOT-23	80	0.8	250	150	.10	.08	.06	.05
◆ 512—MMBTA56	SOT-23	80	0.5	-	100	.08	.06	.05	.04
512—MPSA56	TO-92	80	0.5	-	100	.12	.10	.06	.05
512—MPSW56	TO-226	80	1.0	-	250	.36	.30	.22	.17
◆ 512—NZT6729	SOT-223	80	1.0	250	250	.22	.19	.17	.14
◆ 512—PZTA56	SOT-223	80	0.5	-	100	.29	.24	.17	.14
512—TN4033A	TO-226	80	1.0	300	500	.33	.27	.20	.16
◆ 512—BSS63	SOT-23	100	0.2	-	25	.09	.08	.06	.05
512—MPSL51	TO-92	100	0.2	250	50	.11	.09	.06	.05
◆ 512—NZT753	SOT-223	100	-	300	1000	.41	.33	.30	.25
512—2N5400	TO-92	120	0.6	180	50	.11	.09	.07	.05
◆ 512—FJV992FMTF	SOT-23	120	0.1	600	10	.06	.05	.04	.03
◆ 512—FJV992PMTF	SOT-23	120	0.1	400	10	.06	.05	.04	.03
512—KSA1174FTA	TO -92S	120	0.1	600	1	.09	.08	.07	.06
◆ 512—KSA1201YTF	SOT-89	120	0.8	240	500	.27	.23	.17	.14
512—KSA916OBU	TO-92L	120	0.8	160	500	.13	.11	.07	.06
512—KSA916YBU	TO-92L	120	0.8	240	500	.14	.12	.09	.06
512—KSA916YTA	TO-92L	120	0.8	240	500	.15	.13	.11	.08
512—KSA992FBU	TO-92	120	0.1	600	10	.08	.07	.05	.04
512—KSA992FTA	TO-92	120	0.1	600	10	.08	.07	.05	.04
512—KSA992PBU	TO-92	120	0.1	400	10	.08	.07	.05	.04
512—KSA992PTA	TO-92	120	0.1	400	10	.08	.07	.05	.04
512—2N5401TA	TO-92	150	0.6	240	50	.19	.16	.12	.10
512—KSA709GTA	TO-92	150	0.7	400	200	.07	.06	.04	.03
512—KSA910YTA	TO-92	150	0.1	240	10	.11	.08	.06	.05
◆ 512—KST5401MTF	SOT-23	150	0.5	240	10	.08	.06	.05	.03
◆ 512—MMBT5401	SOT-23	150	0.6	240	50	.08	.06	.05	.04
512—KSA1013OTA	TO-92L	160	1.0	200	500	.17	.14	.09	.07
512—KSA1013RTA	TO-92L	160	1.0	120	500	.17	.14	.09	.07
512—KSA1013YTA	TO-92L	160	1.0	320	500	.17	.14	.09	.07
512—MPSA93	TO-92	200		-	20	.17	.13	.09	.07
512—2N6518TA	TO-92	250	0.5	300	50	.12	.10	.06	.05
512—KSP92TA	TO-92	272	0.5	-	10	.08	.07	.04	.03
◆ 512—KST92MTF	SOT-23	272	0.5	-	30	.09	.08	.07	.06
512—2N6519TA	TO-92	300	0.5	270	50	.07	.06	.04	.03
◆ 512—MMBTA92	SOT-23	300	0.5	-	20	.10	.09	.07	.05
512—MPSA92	TO-92	300	0.5	-	20	.17	.13	.09	.07
◆ 512—PZTA92	SOT-223	300	0.5	-	20	.30	.25	.19	.15
512—2N6520BU	TO-92	350	0.5	200	50	.07	.06	.04	.03
512—2N6520TA	TO-92	350	0.5	200	50	.07	.06	.04	.03
512—KSA1625KTA	TO-92	400	0.5	200	100	.14	.12	.10	.07
512—KSP94TA	TO-92	400	0.3	272	10	.13	.10	.07	.06

FAIRCHILD DARLINGTON SMALL SIGNAL TRANSISTORS

NPN

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

512—2N7051	TO-92	100	1.5	20000	100	.17	.14	.12	.10
512—2N7053	TO-226	100	1.5	20000	100	.34	.29	.24	.20
512—MPSA29	TO-92	100	0.8	-	100	.12	.11	.09	.07
◆ 512—NZT7053	SOT-223	100	1.5	20000	100	.30	.26	.21	.18
◆ 512—NZT605	SOT-223	11	1.5	-	1000	.30	.26	.21	.18
512—MPSA12	TO-92	20	1.2	-	10	.10	.08	.07	.06
512—2N5306	TO-92	25	1.2	70000	200	.09	.08	.07	.06
◆ 512—BCV27	SOT-23	30	1.2	-	100	.07	.06	.05	.03
◆ 512—MMBTA13	SOT-23	30	1.2	-	100	.06	.06	.05	.04
◆ 512—MMBTA14	SOT-23	30	1.2	-	100	.06	.06	.05	.04
512—MPSA13	TO-92	30	1.2	-	100	.10	.08	.07	.06
512—MPSA14	TO-92	30	1.2	-	100	.10	.08	.07	.06
◆ 512—PZTA14	SOT-223	30	1.2	-	100	.22	.19	.16	.13
512—2N5307	TO-92	40	1.2	20000	200	.09	.08	.07	.06
512—2N5308	TO-92	40	1.2	70000	200	.09	.08	.07	.06

FAIRCHILD DARLINGTON SMALL SIGNAL TRANSISTORS

◆ Surface Mount Device

NPN (Cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	V_{CEO}	I_C Max	h_{FE} (mA)		Price Each			
Mfr. Mfr. Part Number		(V)	(A)	Max	@IC	1	25	100	250
512—2N6426	TO-92	40	1.2	300000	500	.10	.09	.07	.06
512—2N6427	TO-92	40	1.2	200000	500	.09	.08	.06	.05
512—BC517	TO-92	40	-	-	100	.10	.09	.07	.05
◆ 512—MMBT6427	SOT-23	40	1.2	200000	500	.07	.06	.05	.04
512—TN6725A	TO-226	50	1.2	40000	1000	.21	.18	.16	.15
512—MPSA27	TO-92	60	0.8	-	100	.12	.11	.09	.07
◆ 512—BSP52	SOT-223	80	0.8	-	500	.30	.26	.22	.16
◆ 512—MMBTA28	SuperSOT	80	0.8	-	100	.15	.13	.11	.09
◆ 512—PZTA28	SOT-223	80	0.8	-	100	.26	.22	.19	.16
◆ 512—PZTA27	SOT-223	-	0.8	-	100	.26	.22	.19	.16

PNP

For quantities of 500 and up, call for quote.

◆ 512—MMBTA63	SOT-23	30	1.2	-	100	.06	.05	.05	.04
◆ 512—MMBTA64	SOT-23	30	1.2	-	100	.06	.05	.05	.04
512—MPSA63	TO-92	30	1.2	-	100	.09	.08	.06	.05
512—MPSA65	TO-92	30	1.2	-	100	.09	.08	.06	.05
◆ 512—PZTA64	SOT-223	30	1.2	-	100	.22	.19	.16	.13
◆ 512—BCV26	SuperSOT	80	0.8	-	100	.07	.06	.05	.04
512—MPSA77	TO-92	-	1.2	-	100	.09	.08	.06	.05

FAIRCHILD GENERAL PURPOSE SMALL SIGNAL TRANSISTORS

◆ Surface Mount Device

NPN Dual

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	V_{CEO}	I_C Max	h_{FE} (mA)		Price Each			
Mfr. Mfr. Part Number		(V)	(A)	Max	@IC	1	25	100	250
◆ 512—FFB2222A	SC70-6	40	0.5	300	500	.12	.10	.08	.08
◆ 512—FFB3904	SC70-6	40	0.2	300	50	.13	.11	.09	.08
◆ 512—FMB2222A	SuperSOT-6	40	0.5	300	500	.16	.13	.11	.11
◆ 512—FMB3904	SuperSOT-6	40	0.2	300	50	.14	.12	.11	.10
◆ 512—BC847S	SC70-6	45	0.2	630	100	.21	.19	.15	.11
◆ 512—FMBA06	SuperSOT-6	80	0.5	-	100	.26	.22	.19	.18
◆ 512—FMB5551	SuperSOT-6	160	0.1	250	10	.20	.17	.15	.14

NPN Quad

For quantities of 500 and up, call for quote.

512—MMPQ2222	SOIC-16	30	0.5	-	150	1.48	1.27	1.06	.89
512—FTM3725	SOIC-16	40	1.2	180	100	2.23	1.86	1.64	1.56
512—MMPQ2222A	SOIC-16	40	0.5	300	500	1.06	.88	.70	.68
512—MMPQ3904	SOIC-16	40	0.2	-	50	1.05	.87	.70	.52

NPN/PNP Dual

For quantities of 500 and up, call for quote.

512—FFB2227A	SC70-6	30	0.5	-	300	.12	.10	.08	.08
◆ 512—FMB3946	SuperSOT-6	40	0.2	300	10	.17	.14	.13	.12

NPN/PNP Quad

For quantities of 500 and up, call for quote.

◆ 512—MMPQ6700	SOIC-16	40	0.2	-	10	1.48	1.27	1.06	.89

PNP Dual

For quantities of 500 and up, call for quote.

◆ 512—FFB3906	SC70-6	40	0.2	300	50	.13	.11	.10	.09
◆ 512—FJYF2906TF	SOT-563F	40	0.15	300	10	.21	.18	.16	.15
◆ 512—FMB3906	SuperSOT-6	40	0.2	300	50	.15	.13	.11	.11
◆ 512—BC857S	SC70-6	45	0.2	630	100	.22	.19	.16	.12
◆ 512—FMB200	SuperSOT-6	45	0.5	450	200	.29	.24	.21	.20
◆ 512—FFB2907A	SC70-6	60	0.6	300	500	.12	.10	.08	.08
◆ 512—FMB2907A	SuperSOT-6	60	0.6	300	500	.18	.15	.13	.13
◆ 512—FMBA56	SuperSOT-6	80	0.5	-	100	.21	.17	.15	.14

PNP Quad

For quantities of 500 and up, call for quote.

◆ 512—MMPQ2907	SOIC-16	40	0.6	300	300	1.51	1.29	1.08	.90
◆ 512—MMPQ3906	SOIC-16	40	0.2	-	50	1.49	1.27	1.06	.89
◆ 512—MMPQ2907A	SOIC-16	60	0.6	300	500	.91	.84	.67	.63

FAIRCHILD DIGITAL SMALL SIGNAL TRANSISTORS

NPN

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	V_{CEO}	I_C Max	h_{FE} (mA)		Price Each			
Mfr. Mfr. Part Number		(V)	(A)	Max	@IC	1	25	100	250
512—FJN3309RBU	TO-92	40	0.1	600	10	.04	.03	.03	.03
◆ 512—FJV3109RMTF	SOT-23	40	0.1	600	10	.05	.04	.03	.03
◆ 512—FJV3110RMTF	SOT-23	40	0.1	600	10	.05	.04	.03	.03
512—FJN3301RBU	TO-92	50	0.1	-	10	.04	.03	.03	.03
512—FJN3302RBU	TO-92	50	0.1	-	10	.04	.03	.03	.03
512—FJNS3215RBU	TO-92S	50	0.1	-	10	.05	.04	.04	.03
◆ 512—FJV3101RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆ 512—FJV3102RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆ 512—FJV3103RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆ 512—FJV3104RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆ 512—FJV3105RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆ 512—FJV3106RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆ 512—FJV3113RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆ 512—FJX3002RTF	SOT-323	50	0.1	-	10	.06	.05	.04	.04

FAIRCHILD Small Signal Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

FAIRCHILD DIGITAL SMALL SIGNAL TRANSISTORS (CONT.)

PNP ◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	V_{CEO} (V)	I_C Max (A)	h_{FE} (mA)		Price Each			
Mfr. — Mfr. Part Number				Max	@IC	1	25	100	250
◆512—FJV4109RMTF	SOT-23	40	0.1	600	10	.05	.04	.03	.03
512—FJN4301RBU	TO-92	50	0.1	-	10	.04	.03	.03	.03
512—FJN4302RBU	TO-92	50	0.1	-	10	.04	.03	.03	.03
512—FJN4306RBU	TO-92	50	0.1	-	10	.04	.03	.03	.03
512—FJN4313RBU	TO-92	50	0.1	-	10	.04	.03	.03	.03
512—FJN4314RBU	TO-92	50	0.1	-	10	.04	.03	.03	.03
◆512—FJV4101RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆512—FJV4102RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆512—FJV4103RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆512—FJV4104RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆512—FJV4106RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆512—FJV4113RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆512—FJV4114RMTF	SOT-23	50	0.1	-	10	.05	.04	.03	.03
◆512—FJX4002RTF	SOT-323	50	0.1	-	10	.06	.05	.05	.04
◆512—FJX4004RTF	SOT-323	50	0.1	-	10	.06	.05	.05	.04
◆512—FJX4006RTF	SOT-323	50	0.1	-	10	.06	.05	.05	.04

FAIRCHILD RF SMALL SIGNAL TRANSISTORS

NPN ◆ Surface Mount Device

For quantities of 500 and up, call for quote.

512—2N3663	TO-92	12	0.05	-	-	.08	.07	.06	.05
◆512—MMBT5179	SOT-23	12	0.05	250	10	.06	.05	.04	.04
512—MPS5179	TO-92	12	0.05	250	10	.13	.11	.09	.08
512—PN5179	TO-92	12	0.05	250	10	.07	.06	.05	.04
512—2N5770	TO-92	15	0.05	200	10	.08	.07	.06	.05
512—KSC1730OBU	TO-92	15	0.05	140	10	.06	.05	.04	.03
◆512—KSC2757RMTF	SOT-23	15	0.05	120	10	.06	.05	.04	.03
◆512—KSC2757YMTF	SOT-23	15	0.05	240	10	.06	.05	.04	.03
◆512—MMBT5770	SOT-23	15	0.09	200	10	.06	.05	.04	.03
◆512—MMBT918	SOT-23	15	0.05	-	10	.06	.05	.04	.04
512—PN3563	TO-92	15	0.05	200	-	.07	.06	.05	.04
512—PN918	TO-92	15	0.05	-	10	.07	.06	.05	.04
512—BF494	TO-92	20	-	220	-	.20	.18	.15	.11
512—KSC1674OTA	TO-92	20	0.02	140	10	.06	.05	.04	.03
512—KSC2786YTA	TO-92S	20	0.02	240	10	.07	.06	.04	.03
◆512—KSC3123OMTF	SOT-23	20	0.05	180	-	.06	.05	.04	.03
◆512—KSC3123RMTF	SOT-23	20	0.05	120	-	.06	.05	.04	.03
◆512—KSC3123YMTF	SOT-23	20	0.05	240	-	.06	.05	.04	.03
512—KSP10TA	TO-92	25	-	-	4	.06	.05	.04	.03
512—KST10MTF	TO-92	25	-	-	4	.06	.05	.04	.03
512—BF199	TO-92	25	0.05	-	10	.11	.09	.08	.06
◆512—MMBTH11	SOT-23	25	0.05	-	4	.05	.04	.04	.03
512—MPSH10	TO-92	25	0.05	-	4	.13	.11	.09	.08
512—MPSH11	TO-92	25	0.05	-	4	.13	.11	.09	.08
◆512—KSC2755YMTF	SOT-23	30	0.02	240	10	.06	.05	.04	.03
512—KSC2787OTA	TO-92S	30	0.05	140	10	.07	.06	.05	.04
512—KSC2787RTA	TO-92S	30	0.05	80	10	.07	.06	.05	.04
◆512—MMBTH24	SOT-23	30	0.05	-	-	.06	.05	.04	.04
512—BF240	TO-92	40	0.05	225	1	.10	.09	.07	.05
◆512—MMBTH10RG	SOT-23	40	0.045	120	10	.12	.10	.08	.07
512—MPSH34	TO-92	40	0.05	-	-	.13	.11	.09	.08

PNP

For quantities of 500 and up, call for quote.

◆512—MMBTH81	SOT-23	20	0.05	-	5	.06	.05	.04	.04
512—MPSH81	TO-92	20	0.05	-	5	.13	.11	.09	.08

FAIRCHILD JFETs

◆ Surface Mount Device

N-Channel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	BVgss (V)	I DSS			Price Each			
Mfr. — Mfr. Part Number			Min (mA)	Max (mA)	@V_{DS} (V)	1	25	100	250
512—FJN598JABU	TO-92	20	0.1	0.35	5	.05	.04	.03	.03
512—FJN598JATA	TO-92	20	0.1	0.35	5	.05	.04	.03	.03
◆512—FJN598JBTA	SOT-323	20	0.15	0.24	5	.05	.04	.03	.03
◆512—FJN598JBBU	SOT-323	20	0.15	0.24	5	.05	.04	.03	.03
◆512—FJX597JHTF	SOT-323	20	0.15	0.35	5	.10	.08	.07	.07
◆512—FJN598JCTA	SOT-323	20	0.21	0.35	5	.05	.04	.03	.03
512—2N5457	TO-92	25	1	5	15	.13	.11	.09	.08
512—2N5484	TO-92	25	1	5	15	.11	.09	.08	.07
◆512—MMBF5457	SOT-23	25	1	5	15	.21	.18	.15	.13
◆512—MMBF5484	SOT-23	25	1	5	15	.12	.10	.09	.07
512—2N3819	TO-92	25	2	20	15	.11	.09	.08	.06
512—2N5458	TO-92	25	2	9	15	.12	.10	.08	.07
512—J210	TO-92	25	2	15	15	.13	.12	.10	.07
◆512—MMBF5458	SOT-23	25	2	9	15	.14	.12	.10	.08
◆512—MMBFJ210	SOT-23	25	2	15	15	.21	.18	.15	.13
512—MPF102	TO-92	25	2	20	15	.11	.10	.08	.07
512—2N5459	TO-92	25	4	16	15	.14	.12	.10	.09
512—2N5485	TO-92	25	4	10	15	.11	.09	.08	.07
◆512—MMBF5459	SOT-23	25	4	16	15	.14	.12	.10	.08
◆512—MMBF5485	SOT-23	25	4	10	15	.12	.10	.09	.07
512—J211	TO-92	25	7	20	15	.13	.12	.10	.07
◆512—MMBFJ211	SOT-23	25	7	20	15	.21	.18	.15	.13
512—2N5486	TO-92	25	8	20	15	.11	.09	.08	.07
◆512—MMBF5486	SOT-23	25	8	20	15	.12	.10	.09	.07
512—J110	TO-92	25	10	-	15	.30	.26	.22	.16
512—J309	TO-92	25	12	30	10	.16	.14	.11	.08
◆512—MMBFJ309	SOT-23	25	12	30	10	.23	.20	.17	.14
512—J212	TO-92	25	15	40	15	.13	.12	.10	.07

FAIRCHILD JFETs (CONT.)

◆ Surface Mount Device

N-Channel (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Package	BVgss (V)	I DSS			Price Each			
Mfr. — Mfr. Part Number			Min (mA)	Max (mA)	@V_{DS} (V)	1	25	100	250
◆512—MMBFJ212	SOT-23	25	15	40	15	.21	.18	.15	.13
512—J310	TO-92	25	24	60	10	.16	.14	.11	.08
◆512—MMBFJ310	SOT-23	25	24	60	10	.23	.20	.17	.14
◆512—MMBF5434	SuperSOT-3	25	30	-	15	.33	.28	.23	.20
512—PN5434	TO-92	25	30	-	15	.24	.20	.17	.14
512—J109	TO-92	25	40	-	15	.30	.26	.22	.16
512—BF246B	TO-92	25	60	140	15	.15	.13	.11	.08
512—J108	TO-92	25	80	-	15	.30	.26	.22	.16
◆512—MMBFJ108	SuperSOT-3	25	80	-	15	.32	.28	.23	.19
512—J107	TO-92	25	100	-	15	.53	.46	.38	.28
512—PN5432	TO-92	25	150	-	15	.24	.20	.17	.14
512—J105	TO-92	25	500	-	15	.50	.46	.33	.28
◆512—JFTJ105	SOT-223	25	500	-	15	1.49	1.31	1.08	.78
◆512—MMBF4416	SOT-23	30	0.005	0.015	15	.12	.10	.09	.07
512—PN4302	TO-92	30	0.5	5	20	.11	.10	.08	.07
512—2N5246	TO-92	30	1.5	7	15	.13	.11	.09	.08
512—BF244A	TO-92	30	2	6.5	15	.12	.11	.09	.06
512—BF245A	TO-92	30	2	6.5	15	.12	.11	.09	.06
512—2N5953	TO-92	30	2.5	5	15	.11	.10	.08	.07
◆512—2N5952	TO-92	30	4	8	15	.11	.10	.08	.07
512—2N5245	TO-92	30	5	15	15	.13	.11	.09	.08
512—J304	TO-92	30	5	15	15	.13	.11	.09	.07
512—MMBF4393	SOT-23	30	5	30	20	.16	.14	.11	.09
512—PN4393	TO-92	30	5	30	20	.12	.11	.09	.07
512—PN4416	TO-92	30	5	15	15	.10	.09	.07	.06
512—BF244B	TO-92	30	6	15	15	.12	.11	.09	.06
512—BF245B	TO-92	30	6	15	15	.12	.11	.09	.06
512—BF256B	TO-92	30	6	13	15	.12	.11	.09	.06
512—2N5951	TO-92	30	7	13	15	.11	.10	.08	.07
512—2N5247	TO-92	30	8	24	15	.13	.11	.09	.08
512—2N5950	TO-92	30	10	15	15	.11	.10	.08	.07
512—BF256C	TO-92	30	11	18	15	.12	.11	.09	.06
◆512—BF245C	TO-92	30	12	25	15	.12	.11	.09	.06
512—TIS74	TO-92	30	20	100	15	.18	.16	.14	.13
512—2N5639	TO-92	30	25	-	20	.14	.12	.10	.08
512—MMBF4392	SOT-23	30	25	75	20	.16	.14	.11	.09
◆512—PN4392	TO-92	30	25	75	20	.12	.11	.09	.07
512—BF246A	TO-92	30	30	80	15	.15	.13	.11	.08
512—2N5638	TO-92	30	50	-	20	.14	.12	.10	.08
◆512—MMBF4391	SOT-23	30	50	150	20	.16	.14	.11	.09
512—PN4391	TO-92	30	50	150	20	.12	.11	.09	.07
◆512—J113	TO-92	35	2	-	15	.16	.14	.11	.08
◆512—MMBFJ113	SOT-23	35	2	-	15	.20	.17	.15	.12
512—J112	TO-92	35	5	-	15	.16	.14	.11	.08
◆512—MMBF4416A	SOT-23	35	5	15	15	.12	.10	.09	.07
◆512—MMBFJ112	SOT-23	35	5	-	15	.20	.17	.15	.12
512—J111	TO-92	35	20	-	15	.16	.14	.11	.08
◆512—MMBFJ111	SOT-23	35	20	-	15	.20	.17	.15	.12
512—MMBF4117	SOT-23	40	0.03	0.09	10	.19	.16	.14	.11
512—PN4117A	TO-92	40	0.03	0.09	10	.13	.11	.09	.08
◆512—MMBF4118	SOT-23	40	0.08	0.24	10	.19	.16	.14	.11
◆512—PN4118	TO-92	40	0.08	0.24	10	.13	.11	.09	.08
512—J201	TO-92	40	0.2	1	20	.14	.12	.10	.07
512—MMBFJ201	SOT-23	40	0.2	1	20	.21	.18	.15	.13
◆512—PN4119	TO-92	40	0.2	0.6	10	.13	.11	.09	.08
512—J202	TO-92	40	0.9	4.5	20	.14	.12	.10	.07
◆512—PF5102	TO-92	40	4	20	15	.12	.11	.09	.07
512—BSR58	SOT-23	40	8	80	15	.17	.15	.12	.09
◆512—PN4093	TO-92	40	8	-	20	.12	.11	.09	.07
512—MMBF5103	SOT-23	40	10	40	15	.16	.14	.11	.09
512—PF5103	TO-92	40	10	40	15	.12	.11	.09	.07
◆512—MMBF4092	SOT-23	40	15	-	20	.16	.14	.11	.09
◆512—PN4092	TO-92	40	15	-	20	.12	.11	.09	.07
512—U1898	TO-92	40	15	-	20	.13	.12	.10	.09
512—BSR57	SOT-23	40	20	100	15	.17	.15	.12	.09
◆512—MMBF4091	SOT-23	40	30	-	20	.16	.14	.11	.09
512—PN4091	TO-92	40	30	-	20	.12	.11	.09	.07
512—U1897	TO-92	40	30	-	20	.13	.12	.10	.09
512—BSR56	SOT-23	40	50	-	15	.12	.11	.09	.07

P-Channel

For quantities of 500 and up, call for quote.

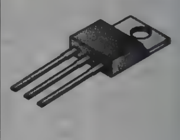
MOUSER STOCK NO.	Package	BVgss (V)	I DSS			Price Each			
Mfr. — Mfr. Part Number			Min (mA)	Max (mA)	@V_{DS} (V)	1	25	100	250
512—2N3820	TO-92	20	0.3	15	10	.14	.12	.10	.08
512—J177	TO-92	30	1.5	20	15	.26	.23	.19	.14
◆512—MMBFJ177	SOT-23	30	1.5	20	15	.26	.22	.18	.15
512—J176	TO-92	30	2	25	15	.26	.23	.19	.14
◆512—MMBFJ176	SOT-23	30	2	25	15	.26	.22	.18	.15
◆512—MMBFJ270	SOT-23	30	2	15	15	.29	.25	.21	.17
512—P1087	TO-92	30	5	-	20	.21	.18	.15	.12
◆512—MMBFJ271	SOT-23	30	6	50	15	.29	.25	.21	.17
512—J175	TO-92	30	7	60	15	.26	.23	.19	.14
◆512—MMBFJ175	SOT-23	30	7	60	15	.26	.22	.18	.15
512—P1086	TO-92	30	10	-	20	.21	.18	.15	.12
512—J174	TO-92	30	20	100	15	.26	.23	.19	.14
512—2N5460	TO-92	40	1	5	15	.14	.12	.10	.09
◆512—MMBF5460	SOT-23	40	1	5	15	.16	.13	.11	.09
512—2N5461	TO-92	40	2	9	15	.14	.12	.10	.09
512—2N5462	TO-92	40	4	16	15	.14	.12	.10	.09
◆512—MMBF5462	SOT-23	40	4	16	15	.16	.13	.11	.09

RoHS Compliant This page of product is compliant.

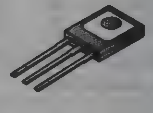
ON SEMICONDUCTORS GENERAL PURPOSE BIPOLAR TRANSISTORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	IC Max (A)	hFE Min	hFE Max	Price Each			
							1	25	100	500
NPN										
863-BUL642D2G	BUL642D2G	TO-220	440	3	16	-	1.65	1.38	1.24	1.05
863-2N3055G	2N3055G	TO-204	60	15	-	70	2.10	1.75	1.47	2.10
863-MJD200T4G	MJD200T4G	DPAK	25	5	45	180	.51	.39	.32	.51
863-MJD3055G	MJD3055G	DPAK	60	10	20	100	.64	.53	.48	.64
863-MJD3055T4G	MJD3055T4G	DPAK	60	10	20	100	.64	.53	.48	.64
863-MJE13005G	MJE13005G	TO-220	400	4	8	40	.78	.69	.49	.39
863-MJE3439G	MJE3439G	TO-225	350	0.3	15	200	.68	.60	.43	.34
863-2N3904RLRPG	2N3904RLRPG	TO-92	40	0.2	100	300	.10	.08	.06	.10
863-2N4401RLRPG	2N4401RLRPG	TO-92	40	0.6	100	300	.10	.08	.06	.05
863-BC847BTT1G	BC847BTT1G	SC-75	45	0.1	200	450	.12	.11	.08	.12
863-MPSA06RLRMG	MPSA06RLRMG	TO-92	80	0.5	100	-	.19	.17	.12	.10
863-MPSW42RLRAG	MPSW42RLRAG	TO-92	300	0.5	40	-	.44	.39	.28	.22
863-2N6292G	2N6292G	TO-220	7	7	-	150	.83	.69	.63	.83
863-MSD1328-RT1G	MSD1328-RT1G	SC-59	25	0.5	200	350	.14	.12	.09	.07
863-MJE200G	MJE200G	Case 77	25	5	45	180	.65	.49	.40	.65
863-MJD200G	MJD200G	DPAK	25	5	45	180	1.60	1.40	1.00	.80
863-MMBT5089LT1G	MMBT5089LT1G	SOT-23	30	0.05	400	1200	.06	.05	.04	.06
863-BC848BLT1G	BC848BLT1G	SOT-23	30	0.1	200	450	.05	.04	.03	.05
863-MMBT4124LT1G	MMBT4124LT1G	SOT-23	30	0.2	120	360	.12	.10	.07	.06
863-2N4124G	2N4124G	TO-92	30	0.2	120	360	.28	.17	.15	.28
863-MPS4124RLRAG	MPS4124RLRAG	TO-92	30	0.2	60	-	.23	.20	.15	.12
863-MMBT5088LT1G	MMBT5088LT1G	SOT-23	35	0.05	300	-	.06	.05	.04	.06
863-MMBT6521LT1G	MMBT6521LT1G	SOT-23	40	0.1	300	600	.15	.13	.10	.08
863-PZT3904T1G	PZT3904T1G	SOT-223	40	0.2	100	300	.71	.62	.45	.36
863-2N4921G	2N4921G	Case 77	40	3	-	150	.79	.59	.47	.79
863-MJE180G	MJE180G	Case 77	40	3	50	250	.60	.53	.38	.30
863-MJE521G	MJE521G	Case 77	40	4	-	-	.76	.67	.48	.38
863-MPSA18RLRAG	MPSA18RLRAG	TO-92	45	0.2	500	1500	.19	.09	.09	.19
863-BC847BLT1G	BC847BLT1G	SOT-23	50	0.1	200	450	.05	.04	.03	.05
863-BC847CLT1G	BC847CLT1G	SOT-23	50	0.1	420	800	.12	.08	.05	.12
863-BC850CLT1G	BC850CLT1G	SOT-23	50	0.1	420	800	.09	.07	.05	.09
863-BCW72LT1G	BCW72LT1G	SOT-23	50	0.1	200	450	.15	.13	.10	.08
863-BC847BDW1T1G	BC847BDW1T1G	SOT-363	50	0.1	200	450	.14	.12	.09	.07
863-BC547CG	BC547CG	TO-92	50	0.1	420	800	.28	.20	.09	.28
863-BC817-16LT1G	BC817-16LT1G	SOT-23	50	0.5	100	250	.05	.04	.03	.05
863-BC817-25LT1G	BC817-25LT1G	SOT-23	50	0.5	160	400	.05	.04	.03	.05
863-BC817-40LT1G	BC817-40LT1G	SOT-23	50	0.5	250	600	.05	.04	.03	.05
863-BCX19LT1G	BCX19LT1G	SOT-23	50	0.5	100	600	.09	.08	.07	.09
863-MMBT6429LT1G	MMBT6429LT1G	SOT-23	55	0.2	500	1250	.14	.10	.08	.14
863-MSD601-RT1G	MSD601-RT1G	SC-59	60	0.1	90	-	.14	.12	.09	.07
863-2SC2712GT1G	2SC2712GT1G	SC-59	60	0.15	200	400	.05	.04	.03	.02
863-MMBT3904WT1G	MMBT3904WT1G	SC-70	60	0.2	100	300	.12	.10	.07	.12
863-MMBT3904TT1G	MMBT3904TT1G	SC-75	60	0.2	100	300	.12	.07	.06	.12
863-MMBT3904LT1G	MMBT3904LT1G	SOT-23	60	0.2	-	300	.30	.04	.03	.30
863-MMBT6428LT1G	MMBT6428LT1G	SOT-23	60	0.2	250	-	.14	.10	.08	.14
863-MBT3904DW1T1G	MBT3904DW1T1G	SOT-363	60	0.2	100	300	.17	.10	.09	.17
863-2N3904G	2N3904G	TO-92	60	0.2	100	300	.50	.20	.09	.50
863-MMBTA05LT1G	MMBTA05LT1G	SOT-23	60	0.5	100	-	.06	.05	.04	.06
863-MPSA05RLRAG	MPSA05RLRAG	TO-92	60	0.5	100	100	.23	.20	.15	.23
863-MMBT4401LT1G	MMBT4401LT1G	SOT-23	60	0.6	100	300	.30	.14	.04	.30
863-2N4401G	2N4401G	TO-92	60	0.6	100	300	.50	.20	.09	.50
863-2N4922G	2N4922G	Case 77	60	3	-	150	.75	.57	.48	.75
863-TIP31AG	TIP31AG	TO-220	60	3	10	50	.84	.74	.53	.42
863-D44H8G	D44H8G	TO-220	60	10	40	-	1.15	1.08	.81	1.15
863-MJE3055TG	MJE3055TG	TO-220	60	10	20	100	1.00	.85	.67	1.00
863-2N3055AG	2N3055AG	TO-3	60	15	-	70	3.40	2.98	2.13	1.70
863-2N3772G	2N3772G	TO-3	60	20	-	60	5.76	5.04	3.60	2.88
863-2N5885G	2N5885G	TO-3	60	25	-	100	3.25	2.95	2.18	3.25
863-2N5302G	2N5302G	TO-3	60	30	-	60	3.25	2.95	2.18	3.25
863-MMBT2484LT1G	MMBT2484LT1G	SOT-23	60	-	250	800	.13	.10	.07	.13
863-MMBT2222AWT1G	MMBT2222AWT1G	SC-70	75	0.6	100	300	.13	.11	.08	.13
863-PZT2222AT1G	PZT2222AT1G	SOT-223	75	0.6	40	-	.29	.19	.15	.29
863-MMBT2222ALT1G	MMBT2222ALT1G	SOT-23	75	0.6	-	300	.30	.14	.04	.30
863-MMBT2222LT1G	MMBT2222LT1G	SOT-23	75	0.6	30	-	.05	.04	.03	.05
863-MPS2222AG	MPS2222AG	TO-92	75	0.6	40	-	.50	.20	.09	.50
863-PN2222AG	PN2222AG	TO-92	75	0.6	40	-	.28	.24	.17	.14
863-BC846BWT1G	BC846BWT1G	SC-70	80	0.1	200	450	.14	.12	.09	.07
863-BC846ALT1G	BC846ALT1G	SOT-23	80	0.1	110	220	.05	.04	.03	.05
863-BC846BLT1G	BC846BLT1G	SOT-23	80	0.1	200	450	.05	.04	.03	.05
863-MMBT8099LT1G	MMBT8099LT1G	SOT-23	80	0.5	75	-	.14	.10	.08	.14
863-MMBTA06LT1G	MMBTA06LT1G	SOT-23	80	0.5	100	-	.30	.18	.04	.30
863-MPSA06RLRAG	MPSA06RLRAG	TO-92	80	0.5	100	-	.14	.10	.08	.14
863-BCP56-16T1G	BCP56-16T1G	SOT-223	80	1	100	250	.26	.17	.15	.26
863-BCP56T1G	BCP56T1G	SOT-223	80	1	40	250	.27	.17	.15	.27
863-BD139G	BD139G	Case 77	80	1.5	40	250	.60	.53	.38	.60
863-2N4923G	2N4923G	Case 77	80	3	-	150	.75	.57	.48	.75
863-MJE182G	MJE182G	Case 77	80	3	50	250	.60	.53	.38	.30


TO-220

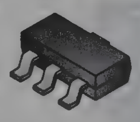
DPAK

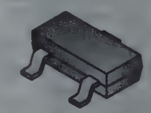

TO-225 and Case 77

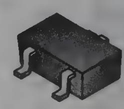
TO-92

SC-75

SC-59


SOT-23


SOT-223


SOT-363

SC-70

TO-3

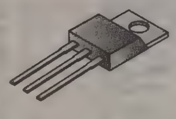
ON SEMICONDUCTOR Transistors

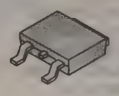
RoHS Compliant This page of product is compliant.

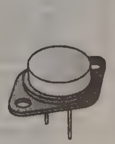
ON SEMICONDUCTOR GENERAL PURPOSE BIPOLAR TRANSISTORS (CONT.)

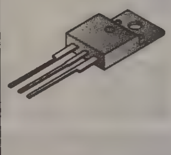
For quantities of 1000 and up, call for quote.

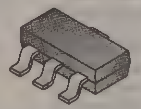
MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	IC Max (A)	hFE Min	hFE Max	Price Each			
							1	25	100	500
NPN (cont.)										
863-TIP31BG	TIP31BG	TO-220	80	3	10	50	.69	.55	.41	.35
863-MJD44H11G	MJD44H11G	DPAK	80	8	60	-	1.36	1.19	.85	.68
863-D44H11G	D44H11G	TO-220	80	10	20	-	1.15	1.00	.82	.69
863-MJF44H11G	MJF44H11G	TO-220 FP	80	10	-	-	1.62	1.35	1.21	1.02
863-2N6488G	2N6488G	TO-220	80	15	20	150	1.13	.97	.73	.49
863-D44VH10G	D44VH10G	TO-220	80	15	20	-	1.20	1.00	.82	.54
863-2N5886G	2N5886G	TO-3	80	25	-	100	3.25	2.79	2.19	1.85
863-2N5038G	2N5038G	TO-3	90	20	-	100	8.10	7.15	5.85	4.96
863-MJ802G	MJ802G	TO-3	90	30	-	100	5.20	4.55	3.25	2.60
863-BCP56-16T1G	BCP56-16T1G	SOT-223	100	1	100	250	.26	.17	.15	.11
863-BCP56T1G	BCP56T1G	SOT-223	100	1	40	250	.27	.17	.15	.11
863-TIP29CG	TIP29CG	TO-220	100	1	15	75	.92	.81	.58	.46
863-MJD31CG	MJD31CG	DPAK	100	3	10	50	1.20	1.05	.75	.60
863-TIP31CG	TIP31CG	TO-220	100	3	10	50	.69	.49	.41	.37
863-MJE243G	MJE243G	Case 77	100	4	40	180	.72	.57	.39	.34
863-TIP41CG	TIP41CG	TO-220	100	6	15	75	.64	.53	.48	.41
863-TIP33CG	TIP33CG	TO-218	100	10	20	100	2.80	2.45	1.75	1.40
863-TIP35CG	TIP35CG	TO-218	100	25	15	75	2.28	1.90	1.71	1.44
863-2N3442G	2N3442G	TO-3	140	10	-	70	3.40	2.98	2.13	1.70
863-2N3773G	2N3773G	TO-3	140	16	-	60	3.50	3.05	2.45	2.08
863-MJF15030G	MJF15030G	TO-220 FP	150	8	4	-	1.62	1.35	1.21	1.02
863-MMBT5551LT1G	MMBT5551LT1G	SOT-23	160	0.6	30	30	.06	.05	.04	.03
863-MJE4343G	MJE4343G	TO-218	160	16	15	-	3.92	3.26	2.94	2.48
863-MJE344G	MJE344G	Case 77	200	0.5	30	300	.68	.60	.43	.34
863-MMBTA42LT1G	MMBTA42LT1G	SOT-23	200	0.5	40	-	.30	.18	.04	.03
863-MPSA43RLRAG	MPSA43RLRAG	TO-92	200	0.5	40	-	.17	.15	.11	.08
863-BU406G	BU406G	TO-220	200	7	-	-	1.30	1.25	1.02	.85
863-2N5655G	2N5655G	Case 77	250	1	-	250	.65	.50	.41	.34
863-TIP47G	TIP47G	TO-220	250	1	30	150	.71	.59	.53	.45
863-MJF47G	MJF47G	TO-220 FP	250	1	-	150	2.40	2.10	1.50	1.20
863-2N6497G	2N6497G	TO-220	250	5	-	75	.55	.45	.41	.35
863-MJE340G	MJE340G	Case 77	300	0.5	30	240	.65	.49	.40	.32
863-PZTA42T1G	PZTA42T1G	SOT-223	300	0.5	40	-	.29	.19	.16	.13
863-TIP48G	TIP48G	TO-220	300	1	30	150	.71	.59	.53	.45
863-MMBT6517LT1G	MMBT6517LT1G	SOT-23	350	0.5	15	-	.40	.35	.25	.20
863-2N5657G	2N5657G	Case 77	350	1	-	250	.68	.60	.43	.34
863-TIP50G	TIP50G	TO-220	400	1	30	150	.71	.59	.53	.45
863-MJE13005G	MJE13005G	TO-220	400	4	8	40	.78	.69	.49	.39
863-BUL45D2G	BUL45D2G	TO-220	400	5	-	-	1.84	1.61	1.15	.92
863-BUL146FG	BUL146FG	TO-220 FP	400	6	-	34	2.20	1.93	1.38	1.10
863-MJE13007G	MJE13007G	TO-220	400	8	5	30	.85	.71	.57	.48
863-MJE13009G	MJE13009G	TO-220	400	12	-	30	.90	.75	.68	.57
863-BUX85G	BUX85G	TO-220	450	2	30	-	.90	.79	.62	.52
863-MJE18004G	MJE18004G	TO-220	450	5	-	34	1.52	1.33	.95	.76
863-MJE18008G	MJE18008G	TO-220	450	8	16	34	2.56	2.24	1.60	1.28
PNP										
863-BCP69T1G	BCP69T1G	SOT-223	20	1	85	375	.26	.17	.15	.11
863-MMBT4126LT1G	MMBT4126LT1G	SOT-23	25	0.2	60	-	.12	.10	.07	.06
863-MPS4126RLRAG	MPS4126RLRAG	TO-92	25	0.2	60	-	.23	.20	.15	.12
863-MJD210G	MJD210G	DPAK	25	5	45	180	1.12	.98	.70	.56
863-MJE210G	MJE210G	Case 77	25	5	45	180	.65	.52	.40	.32
863-BC858BLT1G	BC858BLT1G	SOT-23	30	0.1	220	475	.05	.04	.03	.02
863-BC858CLT1G	BC858CLT1G	SOT-23	30	0.1	420	800	.09	.07	.05	.04
863-2N6111G	2N6111G	TO-220	30	7	-	150	1.09	.99	.75	.64
863-2N3906G	2N3906G	TO-92	40	0.2	100	300	.50	.20	.09	.08
863-MMBT3906LT1G	MMBT3906LT1G	SOT-23	40	0.2	100	300	.30	.04	.04	.03
863-MMBT3906WT1G	MMBT3906WT1G	SC-70	40	0.2	100	300	.14	.09	.07	.04
863-2N4403G	2N4403G	TO-92	40	0.6	100	300	.50	.20	.09	.08
863-MMBT4403LT1G	MMBT4403LT1G	SOT-23	40	0.6	100	300	.30	.14	.04	.03
863-MJE371G	MJE371G	Case 77	40	4	40	-	.76	.67	.48	.38
863-TIP42G	TIP42G	TO-220	40	6	15	75	.62	.52	.47	.39
863-MMBT5087LT1G	MMBT5087LT1G	SOT-23	50	0.05	250	800	.06	.05	.04	.03
863-BC857BLT1G	BC857BLT1G	SOT-23	50	0.1	220	475	.05	.04	.03	.02
863-BC807-16LT1G	BC807-16LT1G	SOT-23	50	0.5	100	250	.05	.04	.03	.02
863-BC807-25LT1G	BC807-25LT1G	SOT-23	50	0.5	160	400	.05	.04	.03	.02
863-BC807-40LT1G	BC807-40LT1G	SOT-23	50	0.5	250	600	.14	.10	.06	.04
863-BCX17LT1G	BCX17LT1G	SOT-23	50	0.5	100	600	.15	.09	.07	.05
863-2N6109G	2N6109G	TO-220	50	7	-	150	1.09	.99	.75	.64
863-2SA1774G	2SA1774G	SC-75	60	0.1	120	560	.12	.11	.08	.06
863-MPSA55RLRAG	MPSA55RLRAG	TO-92	60	0.1	100	-	.23	.20	.15	.12
863-MMBTA55LT1G	MMBTA55LT1G	SOT-23	60	0.5	100	-	.06	.05	.04	.03
863-MMBT2907ALT1G	MMBT2907ALT1G	SOT-23	60	0.6	50	300	.30	.14	.04	.03
863-MMBT2907AWT1G	MMBT2907AWT1G	SC-70	60	0.6	50	300	.13	.11	.08	.06
863-MPS2907AG	MPS2907AG	TO-92	60	0.6	50	-	.12	.11	.08	.06
863-PN2907AG	PN2907AG	TO-92	60	0.6	50	-	.28	.24	.17	.14
863-PZT2907AT1G	PZT2907AT1G	SOT-223	60	0.6	50	-	.71	.62	.45	.36
863-MPS751RLRAG	MPS751RLRAG	TO-92	60	2	40	-	.60	.53	.38	.30
863-TIP32AG	TIP32AG	TO-220	60	3	10	50	.68	.52	.41	.36
863-MJE2955TG	MJE2955TG	TO-220	60	10	20	100	.95	.87	.67	.56
863-2N5883G	2N5883G	TO-3	60	25	-	100	3.50	3.02	2.30	1.97
863-2N6107G	2N6107G	TO-220	70	7	-	150	.89	.80	.65	.55

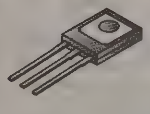

TO-220

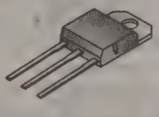

DPAK

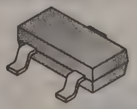

TO-3

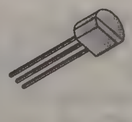

TO-220FP

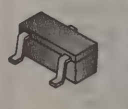

SOT-223

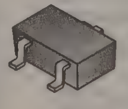

Case 77


TO-218


SOT-23


TO-92


SC-70


SC-75

ON SEMICONDUCTOR Transistors

RoHS Compliant This page of product is compliant.

ON SEMICONDUCTOR GENERAL PURPOSE BIPOLAR TRANSISTORS (CONT.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	IC Max (A)	hFE Min	hFE Max	Price Each			
							1	25	100	500
PNP (cont.)										
863-BC856ALT1G	BC856ALT1G	SOT-23	80	0.1	125	250	.05	.04	.03	.02
863-BC856BLT1G	BC856BLT1G	SOT-23	80	0.1	220	475	.05	.04	.03	.02
863-MMBTA56LT1G	MMBTA56LT1G	SOT-23	80	0.5	100	-	.06	.05	.04	.03
863-MPSA56RLRAG	MPSA56RLRAG	TO-92	80	0.5	100	-	.19	.17	.12	.10
863-BD140G	BD140G	Case 77	80	1.5	40	250	.58	.51	.36	.29
863-2N4920G	2N4920G	Case 77	80	3	-	150	.76	.67	.48	.38
863-MJE172G	MJE172G	Case 77	80	3	-	250	.58	.51	.36	.29
863-2N5195G	2N5195G	Case 77	80	4	-	80	.76	.67	.48	.38
863-MJD45H11G	MJD45H11G	DPAK	80	8	60	-	1.36	1.19	.85	.68
863-MJF45H11G	MJF45H11G	TO-220 FP	80	10	-	-	1.62	1.35	1.21	1.02
863-D45H11G	D45H11G	TO-220	80	10	40	-	1.15	1.00	.82	.69
863-2N6491G	2N6491G	TO-220	80	15	20	150	1.09	.97	.74	.49
863-D45VH10G	D45VH10G	TO-220	80	15	20	-	1.20	1.00	.82	.68
863-2N5884G	2N5884G	TO-3	80	25	-	100	3.50	2.99	2.29	1.99
863-2N5684G	2N5684G	TO-3	80	50	-	60	7.50	6.99	5.50	4.65
863-TIP30CG	TIP30CG	TO-220	100	1	15	75	.69	.52	.41	.36
863-BCP53-16T1G	BCP53-16T1G	SOT-223	100	1.5	100	250	.71	.62	.45	.36
863-BCP53T1G	BCP53T1G	SOT-223	100	1.5	40	250	.29	.19	.15	.11
863-MJD32CG	MJD32CG	DPAK	100	3	10	50	1.20	1.05	.75	.60
863-TIP32CG	TIP32CG	TO-220	100	3	10	50	.70	.49	.41	.37
863-MJE253G	MJE253G	Case77	100	4	40	180	.72	.59	.36	.29
863-TIP42CG	TIP42CG	TO-220	100	6	15	75	.79	.65	.49	.42
863-TIP36CG	TIP36CG	TO-218	100	25	15	75	3.60	3.15	2.25	1.80
863-MJF15031G	MJF15031G	TO-220 FP	150	8	40	-	2.20	1.93	1.38	1.10
863-MJE4353G	MJE4353G	TO-218	160	16	-	-	5.80	5.08	3.63	2.90
863-MJE15033G	MJE15033G	TO-220	250	8	50	-	.87	.86	.85	.81
863-MJE350G	MJE350G	Case 77	300	0.5	30	240	.60	.53	.38	.30
863-MMBTA92LT1G	MMBTA92LT1G	SOT-23	300	0.5	25	-	.06	.05	.04	.03
863-MPSA92G	MPSA92G	TO-92	300	0.5	25	-	.17	.15	.11	.08
863-PZTA92T1G	PZTA92T1G	SOT-223	300	0.5	25	-	.71	.62	.45	.36
863-MJE5730G	MJE5730G	TO-220	300	1	-	150	1.84	1.61	1.15	.92
863-MJE5850G	MJE5850G	TO-220	300	8	-	-	6.00	5.25	3.75	3.00
863-MMBT6520LT1G	MMBT6520LT1G	SOT-23	350	0.5	15	-	.40	.35	.25	.20
863-MJE5851G	MJE5851G	TO-220	350	8	-	-	6.00	5.25	3.75	3.00
863-MJE5852G	MJE5852G	TO-220	400	8	-	-	2.99	2.49	1.90	1.65
Complementary										
863-MBT3946DW1T1G	MBT3946DW1T1G	SOT-363	40	0.2	100	300	.17	.10	.09	.06
863-BC847BPDW1T1G	BC847BPDW1T1G	SOT-363	50	0.1	200	450	.14	.12	.09	.07

ON SEMICONDUCTOR LOW VCE BIPOLAR TRANSISTORS - PNP

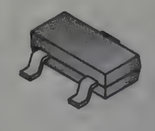
For quantities of 1000 and up, call for quote.

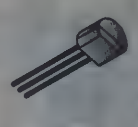
MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	IC Max (A)	hFE Min	hFE Max	Price Each			
							1	25	100	500
863-NSS12100XV6T1G	NSS12100XV6T1G	SOT 563	12	2	150	-	.42	.35	.32	.27
863-NSS12200LT1G	NSS12200LT1G	SOT-23	-12	4	250	-	.41	.34	.30	.26
863-NSS12600CF8T1G	NSS12600CF8T1G	ChipFET	12	6	250	-	.84	.70	.63	.53
863-NSS20200LT1G	NSS20200LT1G	SOT-23	20	4	250	-	.41	.34	.30	.26
863-NSS20600CF8T1G	NSS20600CF8T1G	ChipFET	20	6	250	-	.84	.70	.63	.53
863-NSS40200LT1G	NSS40200LT1G	SOT-23	40	4	250	-	.41	.34	.30	.26
863-NSS40200UW6T1G	NSS40200UW6T1G	DFN 6	-	4	150	-	.90	.75	.68	.57
863-NSS40600CF8T1G	NSS40600CF8T1G	ChipFET	40	6	250	-	.84	.70	.63	.53
863-NUS5530MNR2G	NUS5530MNR2G	DFN 8	35	2	100	400	1.50	1.25	1.13	.95

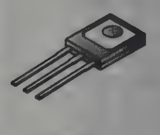
ON SEMICONDUCTOR AUDIO BIPOLAR TRANSISTORS

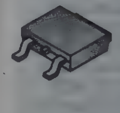
For quantities of 1000 and up, call for quote.

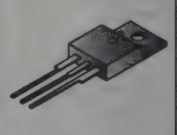
MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	IC Max (A)	hFE Min	hFE Max	Price Each			
							1	25	100	500
NPN										
863-MJ15003G	MJ15003G	TO-3	140	20	25	150	3.49	3.05	2.45	2.30
863-MJ15024G	MJ15024G	TO-3	250	16	15	60	4.15	4.10	2.99	2.35
863-MJ21196G	MJ21196G	TO-3	250	16	25	75	3.49	3.05	2.45	2.30
863-MJE15034G	MJE15034G	TO-220	350	4	100	-	1.50	1.27	.99	.84
863-MJE15028G	MJE15028G	TO-220	120	8	40	-	.99	.82	.74	.63
863-MJ15015G	MJ15015G	TO-3	120	15	20	70	2.50	2.10	1.69	1.41
863-MJE15030G	MJE15030G	TO-220	150	8	40	-	.87	.77	.63	.61
863-MJW21192G	MJW21192G	TO-247	150	8	15	100	5.00	4.38	3.13	2.50
863-MJ15022G	MJ15022G	TO-3	200	16	15	60	4.68	3.99	2.99	2.55
863-MJW3281AG	MJW3281AG	TO-247	230	15	50	200	5.24	4.59	3.28	2.62
863-MJE15032G	MJE15032G	TO-220	250	8	50	-	.87	.77	.63	.61
863-MJ15011G	MJ15011G	TO-3	250	10	20	100	3.75	3.20	2.50	2.10
863-MJ15024G	MJ15024G	TO-3	250	16	15	60	4.15	4.10	2.99	2.35
863-MJ21194G	MJ21194G	TO-3	250	16	25	75	4.68	3.99	2.99	2.35
863-MJL21194G	MJL21194G	TO-264	250	16	25	75	4.80	4.10	3.08	2.42
863-MJL21196G	MJL21196G	TO-264	250	16	25	100	4.10	3.75	2.89	2.48
863-MJW21194G	MJW21194G	TO-247	250	16	20	70	6.20	5.43	3.88	3.10
863-MJL3281AG	MJL3281AG	TO-264	260	15	75	150	3.50	3.05	2.32	1.99
863-MJE15034G	MJE15034G	TO-220	350	4	100	-	1.50	1.27	.99	.84
863-MJL4281AG	MJL4281AG	TO-264	350	15	80	250	5.50	4.99	4.02	3.43

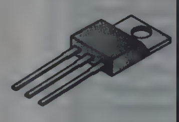

SOT-23

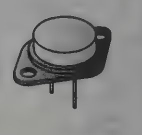

TO-92

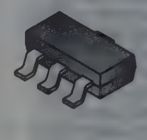

Case 77

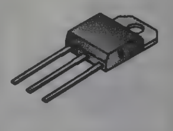

DPAK

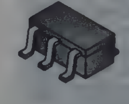

TO-220FP

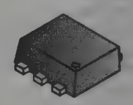

TO-220

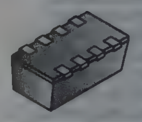

TO-3

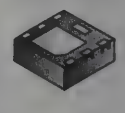

SOT-223

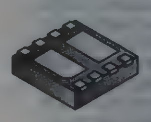

TO-218

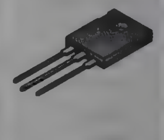

SOT-363

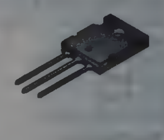

SOT-563


ChipFET


DFN-6


DFN-8


TO-247


TO-264

ON SEMICONDUCTOR Transistors

RoHS Compliant This page of product is compliant.

ON SEMICONDUCTOR BIAS RESISTORS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	hFE	hFE Max	R2 (Ω)	Price Each			
							1	25	100	500
NPN										
863-MMUN2233LT1G	MMUN2233LT1G	SOT-23	50	80	-	47000	.03	.03	.02	.02
863-MUN5311DW1T1G	MUN5311DW1T1G	SC 88	50	35	-	10000	.19	.14	.09	.08
863-DTA123EM3T5G	DTA123EM3T5G	SOT-723	50	8	2200	2200	.16	.14	.10	.08
863-DTA143EM3T5G	DTA143EM3T5G	SOT-723	50	15	4700	4700	.16	.14	.10	.08
863-DTA114EM3T5G	DTA114EM3T5G	SOT-723	50	35	10000	10000	.16	.14	.10	.08
863-DTC114EM3T5G	DTC114EM3T5G	SOT-23	50	35	10000	10000	.16	.14	.10	.08
863-DTC114TM3T5G	DTC114TM3T5G	SC-59	50	35	10000	10000	.16	.14	.10	.08
863-DTA124EM3T5G	DTA124EM3T5G	SOT-723	50	60	22000	22000	.16	.14	.10	.08
863-DTA114YM3T5G	DTA114YM3T5G	SOT-723	50	80	10000	47000	.16	.14	.10	.08
863-DTA115EM3T5G	DTA115EM3T5G	SOT-723	50	80	100000	100000	.16	.14	.10	.08
863-DTA123JM3T5G	DTA123JM3T5G	SOT-723	50	80	2200	47000	.16	.14	.10	.08
863-DTA124XM3T5G	DTA124XM3T5G	SOT-723	50	80	22000	47000	.16	.14	.10	.08
863-DTA143ZM3T5G	DTA143ZM3T5G	SOT-723	50	80	4700	47000	.16	.14	.10	.08
863-DTA144EM3T5G	DTA144EM3T5G	SOT-723	50	80	47000	47000	.16	.14	.10	.08
863-DTA144WM3T5G	DTA144WM3T5G	SOT-723	50	80	47000	22000	.16	.14	.10	.08
863-DTC114YM3T5G	DTC114YM3T5G	SC-59	50	80	47000	47000	.16	.14	.10	.08
863-DTC115EM3T5G	DTC115EM3T5G	SC-70	50	80	47000	47000	.16	.14	.10	.08
863-DTC123EM3T5G	DTC123EM3T5G	SOT-353	50	80	4700	47000	.16	.14	.10	.08
863-DTA114TM3T5G	DTA114TM3T5G	SOT-723	50	160	10000	Infinity	.16	.14	.10	.08
863-DTA143TM3T5G	DTA143TM3T5G	SOT-723	50	160	4700	Infinity	.16	.14	.10	.08
863-DTA144TM3T5G	DTA144TM3T5G	SOT-723	50	160	47000	Infinity	.16	.14	.10	.08
PNP										
863-DTC143TM3T5G	DTC143TM3T5G	SOT-723	50	8	2200	2200	.16	.14	.10	.08
863-DTC144WM3T5G	DTC144WM3T5G	SOT-723	50	15	4700	4700	.16	.14	.10	.08
863-DTC123JM3T5G	DTC123JM3T5G	SOT-723	50	35	10000	10000	.16	.14	.10	.08
863-MUN5213T1G	MUN5213T1G	SOT-23	50	35	10000	10000	.23	.20	.15	.12
863-NSB1706DMW5T1G	NSB1706DMW5T1G	SC-59	50	35	10000	10000	.15	.13	.10	.08
863-DTC144EM3T5G	DTC144EM3T5G	SOT-723	50	60	22000	22000	.16	.14	.10	.08
863-DTC124XM3T5G	DTC124XM3T5G	SOT-723	50	80	10000	47000	.16	.14	.10	.08
863-DTC143EM3T5G	DTC143EM3T5G	SOT-723	50	80	100000	100000	.16	.14	.10	.08
863-DTC143ZM3T5G	DTC143ZM3T5G	SOT-723	50	80	2200	47000	.16	.14	.10	.08
863-DTC144TM3T5G	DTC144TM3T5G	SOT-723	50	80	22000	47000	.16	.14	.10	.08
863-MMUN2211LT1G	MMUN2211LT1G	SOT-723	50	80	4700	47000	.05	.04	.03	.02
863-MUN2213T1G	MUN2213T1G	SOT-723	50	80	47000	22000	.16	.14	.10	.08
863-MUN2111T1G	MUN2111T1G	SOT-723	50	120	47000	47000	.16	.14	.10	.08
863-MUN2211T1G	MUN2211T1G	SOT-723	50	120	47000	47000	.15	.09	.06	.04
863-DTC124EM3T5G	DTC124EM3T5G	SOT-723	50	160	10000	Infinity	.16	.14	.10	.08
863-MMUN2111LT1G	MMUN2111LT1G	SOT-723	50	160	4700	Infinity	.05	.04	.03	.02

ON SEMICONDUCTOR NPN BIPOLAR RF TRANSISTORS

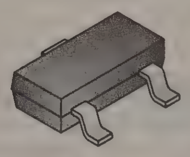
For quantities of 1000 and up, call for quote.

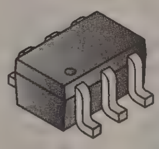
MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	IC Max (A)	hFE Min/Max	PTM Max (W)	Price Each			
							1	25	100	500
863-MMBT918LT1G	MMBT918LT1G	SOT-23	15	0.05	20/-	0.225	.26	.23	.16	.13
863-MMBT2369ALT1G	MMBT2369ALT1G	SOT-23	15	0.2	40/120	0.225	.06	.05	.04	.03
863-MMBTH10LT1G	MMBTH10LT1G	SOT-23	25	-	60/-	0.225	.17	.10	.09	.06
863-MPSH10RLRPG	MPSH10RLRPG	TO-92	25	-	60/-	0.35	.21	.18	.13	.10

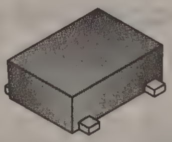
ON SEMICONDUCTOR JFETS

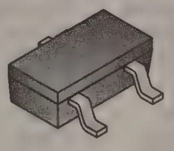
For quantities of 1000 and up, call for quote.

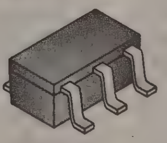
MOUSER STOCK NO.	ON Semi Part No.	Package	V (BR) GSS Min (V)	IDSS		Price Each			
				Min (uA)	Max (uA)	1	25	100	500
N-Channel									
863-2N5457G	2N5457G	TO-92	25	1000	5000	.40	.30	.23	.18
863-MMBF5457LT1G	MMBF5457LT1G	SOT-23	25	1000	5000	.30	.23	.18	.14
863-MMBF5484LT1G	MMBF5484LT1G	SOT-23	25	1000	5000	.30	.23	.18	.14
863-MPF102G	MPF102G	TO-92	25	2000	20000	.60	.51	.43	.34
863-MMBFJ309LT1G	MMBFJ309LT1G	SOT-23	25	12000	30000	.30	.23	.18	.14
863-J310G	J310G	TO-92	25	24000	60000	.39	.30	.23	.18
863-MMBFJ310LT1G	MMBFJ310LT1G	SOT-23	25	24000	60000	.29	.22	.18	.14
863-MMBFU310LT1G	MMBFU310LT1G	SOT-23	25	24000	60000	.51	.44	.36	.29
863-MMBF4391LT1G	MMBF4391LT1G	SOT-23	30	50	150000	.51	.44	.36	.29
863-MMBF4392LT1G	MMBF4392LT1G	SOT-23	30	25	75000	.27	.19	.16	.13
863-MMBF4393LT1G	MMBF4393LT1G	SOT-23	30	5000	30000	.29	.20	.16	.13
863-MMBF4416LT1G	MMBF4416LT1G	SOT-23	30	5000	15000	.29	.20	.16	.13
P-Channel									
863-MMBFJ175LT1G	MMBFJ175LT1G	SOT-23	30	70	60000	.30	.23	.18	.14
863-MMBFJ177LT1G	MMBFJ177LT1G	SOT-23	30	1500	20000	.51	.44	.36	.29
863-MMBF5460LT1G	MMBF5460LT1G	SOT-23	40	1000	5000	.30	.23	.18	.14

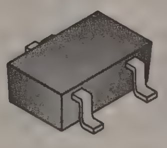

SOT-23

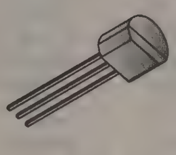

SC-88


SOT-723


SC-59


SOT-353


SC-70


TO-92

ON SEMICONDUCTOR Transistors

RoHS Compliant This page of product is compliant.

ON SEMICONDUCTOR AUDIO BIPOLAR TRANSISTORS (CONT.)

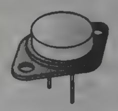
For quantities of 1000 and up, call for quote.

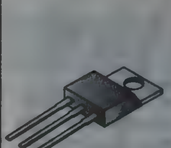
MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	IC Max (A)	hFE Min	hFE Max	Price Each			
							1	25	100	500
PNP										
863-MJ15004G	MJ15004G	TO-3	140	20	25	150	3.29	3.15	2.10	1.85
863-MJ21195G	MJ21195G	TO-3	250	16	25	75	3.49	3.05	2.45	2.30
863-MJE15035G	MJE15035G	TO-220	350	4	100	-	1.25	1.05	.88	.63
863-MJE15029G	MJE15029G	TO-220	120	8	40	-	1.04	.87	.78	.66
863-MJ15016G	MJ15016G	TO-3	120	15	20	70	3.92	3.43	2.45	1.96
863-MJE15031G	MJE15031G	TO-220	150	8	40	-	.87	.77	.63	.61
863-MJ15023G	MJ15023G	TO-3	200	16	15	60	7.00	6.13	4.38	3.50
863-MJW1302AG	MJW1302AG	TO-247	230	15	50	200	5.24	4.59	3.28	2.62
863-MJ15025G	MJ15025G	TO-3	250	16	15	60	7.00	6.13	4.38	3.50
863-MJ21193G	MJ21193G	TO-3	250	16	25	75	7.00	6.13	4.38	3.50
863-MJL21193G	MJL21193G	TO-264	250	16	25	75	7.20	6.30	4.50	3.60
863-MJW21193G	MJW21193G	TO-247	250	16	20	70	6.20	5.43	3.88	3.10
863-MJL1302AG	MJL1302AG	TO-264	260	15	75	150	5.56	4.87	3.48	2.78
853-MJE15035G	MJE15035G	TO-220	350	4	100	-	1.25	1.05	.88	.63
863-MJL4302AG	MJL4302AG	TO-264	350	15	80	250	10.00	8.75	6.25	5.00

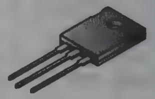
ON SEMICONDUCTOR DARLINGTON BIPOLAR TRANSISTORS

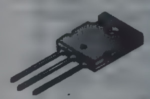
For quantities of 1000 and up, call for quote.

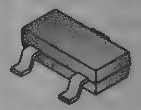
MOUSER STOCK NO.	ON Semi Part No.	Package	VCEO Min (V)	IC Max (A)	hFE Min	hFE Max	Price Each			
							1	25	100	500
NPN										
863-MMBTA13LT1G	MMBTA13LT1G	SOT-23	30	0.3	10	-	.06	.05	.04	.03
863-MMBTA14LT1G	MMBTA14LT1G	SOT-23	30	0.3	20	-	.06	.05	.04	.03
863-MPSA13RLRAG	MPSA13RLRAG	TO-92	30	0.5	10	-	.19	.09	.09	.06
863-MPSA14RLRAG	MPSA14RLRAG	TO-92	30	0.5	20	-	.23	.20	.15	.12
863-MMBT6427LT1G	MMBT6427LT1G	SOT-23	40	0.5	20	200	.15	.09	.08	.05
863-MPSA27RLRAG	MPSA27RLRAG	TO-92	60	0.5	10	-	.17	.10	.09	.06
863-TIP110G	TIP110G	TO-220	60	2	0.5	-	.89	.76	.57	.49
863-MJE800G	MJE800G	Case 77	60	4	0.75	-	.69	.52	.41	.36
863-TIP120G	TIP120G	TO-220	60	5	1	-	.52	.43	.39	.33
863-2N6043G	2N6043G	TO-220	60	8	0.001	20	.99	.80	.61	.52
863-TIP140G	TIP140G	TO-218	60	10	0.5	-	1.65	1.38	1.24	1.05
863-2N6039G	2N6039G	Case 77	80	4	0.75	15	.76	.67	.48	.38
863-MJE802G	MJE802G	Case 77	80	4	-	-	.69	.52	.41	.36
863-TIP121G	TIP121G	TO-220	80	5	1	-	.52	.43	.39	.33
863-TIP101G	TIP101G	TO-220	80	8	1	20	1.16	1.02	.73	.58
863-2N6388G	2N6388Gs	TO-220	80	10	1	20	.95	.87	.67	.56
863-MJD112G	MJD112G	DPAK	100	2	12000	25	.96	.84	.60	.48
863-MJF6388G	MJF6388G	TO-220 FP	100	10	15000	20	2.20	1.93	1.38	1.10
863-MPSA29RLRPG	MPSA29RLRPG	TO-92	100	0.5	10	-	.15	.10	.09	.06
863-TIP112G	TIP112G	TO-220	100	2	0.5	-	1.24	1.09	.78	.62
863-TIP117G	TIP117G	TO-220	100	2	0.5	-	1.20	1.05	.75	.60
863-TIP122G	TIP122G	TO-220	100	5	1	-	.69	.49	.40	.36
863-MJF122G	MJF122G	TO-220 FP	100	5	-	-	1.52	1.33	.95	.76
863-2N6045G	2N6045G	TO-220	100	8	1	20	.99	.79	.60	.52
863-MJD122G	MJD122G	DPAK	100	8	1	12	.96	.84	.60	.48
863-TIP102G	TIP102G	TO-220	100	8	1	20	.80	.75	.57	.50
863-MJF6388G	MJF6388G	TO-220 FP	100	10	3	15	2.20	1.93	1.38	1.10
863-TIP142G	TIP142G	TO-218	100	10	0.5	-	1.65	1.38	1.24	1.05
863-MJH6284G	MJH6284G	TO-218	100	20	-	18	7.20	6.30	4.50	3.60
863-MJ11032G	MJ11032G	TO-3	120	50	-	-	12.00	10.50	7.50	6.00
863-MJH11020G	MJH11020G	TO-218	200	15	-	15	4.70	3.92	3.52	2.98
863-MJH11022G	MJH11022G	TO-218	250	15	-	15	4.70	3.92	3.52	2.98
863-MJE5742G	MJE5742G	TO-220	400	8	-	-	1.75	1.45	1.19	1.02
PNP										
863-2N6052G	2N6052G	TO-3	100	12000	0.75	18	3.65	3.15	2.54	2.39
863-2N6286G	2N6286G	TO-3	80	20000	0.75	18	5.80	5.08	2.17	2.16
863-MJ11015G	MJ11015G	TO-3	120	30000	1	-	3.65	3.15	2.54	2.39
863-MJ11021G	MJ11021G	TO-3	250	30000	0.4	15	11.52	10.08	4.78	4.77
863-MJD117T4G	MJD117T4G	DPAK	100	2000	1	12	.44	.36	.32	.28
863-MMBTA63LT1G	MMBTA63LT1G	SOT-23	30	0.5	10	-	.06	.05	.04	.03
863-MMBTA64LT1G	MMBTA64LT1G	SOT-23	30	0.5	20	-	.06	.05	.04	.03
863-MPSA63RLRAG	MPSA63RLRAG	TO-92	30	0.5	10	-	.23	.20	.15	.12
863-MPSA75RLRPG	MPSA75RLRPG	TO-92	40	0.5	10	-	.23	.20	.15	.12
863-MJE700G	MJE700G	Case 77	60	4	-	-	.67	.52	.41	.37
863-TIP125G	TIP125G	TO-220	60	5	1	-	.75	.62	.56	.47
863-2N6040G	2N6040G	TO-220	60	8	1	20	.89	.76	.61	.50
863-2N6667G	2N6667G	TO-220	60	10	1	20	1.09	.99	.76	.64
863-2N6036G	2N6036G	Case 77	80	4	0.75	15	.77	.56	.49	.41

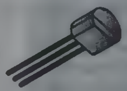

TO-3

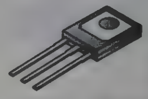

TO-220

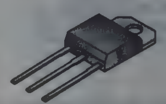

TO-247

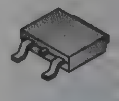

TO-264

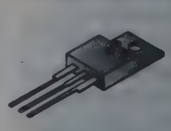

SOT-23


TO-92


Case 77


TO-218


DPAK


TO-220FP

STMICROELECTRONICS Power Bipolar Transistors

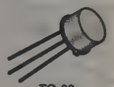
STMicroelectronics

Products may be RoHS compliant.
Check mouser.com for RoHS status.

TO-220AB

TO-252

TO-3


TO-39

TO-220FP

TO-218

SOT-93

SOT-32

STMICROELECTRONICS NPN POWER BIPOLAR TRANSISTORS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	$V_{CE (SAT)}$		h_{FE}		f_T		Price Each			
					Max. (V)	@ IC (A)	Min/Typ/Max	@ IC (A)	Min/Typ (MHz)	@ IC (A)	1	10	100	250
Surface Mount														
511-MJD112	MJD112	TO-252	100	2	0.01	0.5	500/----/12000	0.05	----/----	1	.37	.34	.31	.29
511-MJD31C	MJD31C	TO-252	100	3	1.2	3	10/----/50	3	----/----	----	.26	.24	.22	.20
511-MJD122	MJD122T4	TO-252	100	5	2	4	1000/----/12000	5	----/----	----	.39	.36	.33	.30
511-MJD340	MJD340	TO-252	300	0.5	----	----	30/----/240	0.05	----/----	----	.49	.45	.41	.38
Thru Hole														
511-BD435	BD435	SOT-32	32	4	0.5	2	40/130/----	0.01	3/----	0.25	1.03	1.02	.94	.86
511-MJE521	MJE521	SOT-32	40	4	----	----	40/----/----	1	----/----	----	.31	.28	.26	.24
511-2N3771	2N3771	TO-3	40	30	4	30	15/----/60	30	0.2/----	1	1.75	1.72	1.59	1.46
511-TIP29A	TIP29A	TO-220AB	60	1	0.7	1	15/----/75	1	----/----	----	.39	.36	.33	.30
511-BD235	BD235	SOT-32	60	2	0.6	1	25/----/----	1	3/----	0.25	.52	.51	.47	.43
511-TIP110	TIP110	TO-220AB	60	2	2.5	2	500/----/----	2	----/----	----	.39	.36	.33	.30
511-TIP31A	TIP31A	TO-220AB	60	3	1.2	3	10/----/50	3	----/----	----	.31	.28	.26	.24
511-2N5191	2N5191	SOT-32	60	4	1.4	4	25/----/100	1.5	2/----	1	.51	.47	.43	.40
511-BD677A	BD677A	SOT-32	60	4	2.8	2	750/----/----	2	----/----	----	.60	.59	.54	.50
511-BFX34	BFX34	TO-39	60	5	1	5	40/80/150	2	70/100	0.5	1.41	1.39	1.28	1.18
511-TIP120	TIP120	TO-220AB	60	5	4	5	1000/----/----	3	----/----	----	.34	.31	.28	.26
511-D44H8	D44H8	TO-220AB	60	10	1	8	40/----/----	4	----/----	----	.62	.61	.56	.52
511-MJE3055T	MJE3055T	TO-220AB	60	10	8	10	20/----/70	4	2	0.5	.45	.41	.38	.35
511-2N3055	2N3055	TO-3	60	15	3	10	20/----/70	4	3/----	0.5	1.11	1.10	1.01	.93
511-MJ3001	MJ3001	TO-3	60	15	3	10	20/----/70	4	3/----	0.5	1.71	1.68	1.55	1.42
511-TIP3055	TIP3055	TO-218	60	15	3	10	20/----/70	4	3/----	0.5	.94	.92	.85	.78
511-2N3772	2N3772	TO-3	60	20	4	20	15/----/60	20	0.2/----	1	1.98	1.95	1.80	1.65
511-BD139	BD139	SOT-32	80	1.5	0.5	0.5	40/----/250	0.15	----/----	----	.41	.38	.34	.32
511-BD237	BD237	SOT-32	80	2	0.6	1	25/----/----	1	3/----	0.25	.54	.53	.49	.45
511-MJE182	MJE182	SOT-32	80	3	1.7	3	50/----/250	0.1	50/----	0.1	.27	.25	.22	.21
511-2N5192	2N5192	SOT-32	80	4	1.4	4	20/----/80	1.5	2/----	1	.52	.51	.47	.43
511-2N6039	2N6039	SOT-32	80	4	2	3	100/----/15000	4	----/----	4	.39	.36	.33	.30
511-MJE802	MJE802	SOT-32	80	4	2.5	1.5	750/----/----	1.5	----/----	----	.32	.29	.27	.25
511-BD679A	BD679A	SOT-32	80	4	2.8	2	750/----/----	2	----/----	----	.84	.82	.76	.70
511-TIP121	TIP121	TO-220AB	80	5	4	5	1000/----/----	3	----/----	----	.43	.40	.36	.34
511-D44H11	D44H11	TO-220AB	80	10	1	8	40/----/----	4	----/----	----	.55	.54	.50	.46
511-2N6388	2N6388	TO-220AB	80	10	3	10	1000/----/20000	5	----/----	----	.62	.61	.56	.52
511-MJ802	MJ802	TO-3	90	30	0.8	7.5	25/----/100	7.5	2/----	1	2.86	2.81	2.45	2.12
511-TIP29C	TIP29C	TO-220AB	100	1	0.7	1	15/----/75	1	----/----	----	.58	.57	.53	.48
511-TIP112	TIP112	TO-220AB	100	2	2.5	2	500/----/----	2	----/----	----	.35	.32	.29	.27
511-TIP31C	TIP31C	TO-220AB	100	3	1.2	3	10/----/50	3	----/----	----	.32	.29	.27	.25
511-BD681	BD681	SOT-32	100	4	2.5	1.5	750/----/----	1.5	----/----	----	.86	.84	.78	.71
511-TIP122	TIP122	TO-220AB	100	5	4	5	1000/----/----	3	----/----	----	.35	.32	.29	.27
511-BD243C	BD243C	TO-220AB	100	6	1.5	6	15/----/----	3	----/----	----	.64	.63	.58	.53
511-TIP41C	TIP41C	TO-220AB	100	6	1.5	6	15/----/75	3	----/----	----	.43	.40	.36	.34
511-TIP102	TIP102	TO-220AB	100	8	2.5	8	1000/----/20000	3	----/----	----	.43	.40	.36	.34
511-TIP132	TIP132	TO-220AB	100	8	4	6	1000/----/15000	4	----/----	----	.64	.63	.58	.53
511-TIP142	TIP142	TO-218	100	10	3	10	500/----/----	10	----/----	----	1.11	1.10	1.01	.93
511-TIP33C	TIP33C	TO-218	100	10	4	10	20/----/100	3	3/----	0.5	1.19	1.17	1.08	.99
511-2N6059	2N6059	TO-3	100	12	3	12	100/----/----	12	4/----	5	1.77	1.74	1.61	1.48
511-BDW93C	BDW93C	TO-220AB	100	12	3	10	750/----/20000	5	----/----	----	.74	.73	.67	.62
511-BDW93CFP	BDW93CFP	TO-220FP	100	12	3	10	750/----/20000	5	----/----	----	.84	.82	.76	.70
511-BDW83C	BDW83C	SOT-93	100	15	2.5	6	750/----/20000	10	----/----	1	1.98	1.95	1.80	1.65
511-BD911	BD911	TO-220AB	100	15	3	10	15/----/150	5	----/----	----	.76	.75	.69	.63
511-MJ4035	MJ4035	TO-3	100	16	4	16	1000/----/----	10	----/----	----	2.18	2.15	1.87	1.62
511-2N6284	2N6284	TO-3	100	20	3	20	750/----/18000	10	----/----	----	2.88	2.83	2.47	2.14
511-TIP35C	TIP35C	TO-218	100	25	4	25	25/----/50	1.5	3/----	1	1.15	1.14	1.05	.96
511-BU406	BU406	TO-220AB	200	7	1	5	----/----/----	----	10/----	0.5	1.41	1.39	1.28	1.18
511-BU806	BU806	TO-218	200	8	1.5	5	----/----/----	----	----/----	----	1.29	1.27	1.17	1.08
511-2N3440	2N3440	TO-39	250	1	0.5	0.5	30/----/----	0.02	15/----	5	.60	.59	.54	.50
511-TIP47	TIP47	TO-220AB	250	1	1	1	30/----/150	0.3	10/----	10	.35	.32	.29	.27
511-MJE340	MJE340	SOT-32	300	0.5	----	----	30/----/240	0.05	----/----	----	.30	.27	.25	.23
511-2N3439	2N3439	TO-39	350	1	0.5	0.5	40/----/160	0.02	15/----	5	.66	.65	.60	.55
511-BU941ZT	BU941ZT	TO-220AB	350	15	1.8	10	300/----/----	10	.05/15	7	2.31	2.28	1.99	1.72
511-TIP50	TIP50	TO-220AB	400	1	1	1	30/----/150	0.3	10/----	10	.34	.31	.28	.26
511-BU931P	BU931P	SOT-93	400	15	1.8	10	300/----/----	5	----/----	----	1.97	1.94	1.79	1.64
511-BU941	BU941	TO-3	400	15	2	12	300/----/----	5	----/----	----	2.58	2.54	2.21	1.92
511-2N6547	2N6547	TO-3	400	15	----	----	6/----/----	10	----/----	----	3.67	3.61	3.15	2.72
511-BUL38D	BUL38D	TO-220AB	450	5	1.1	3	----/----/60	0.5	----/----	----	.49	.45	.41	.38
511-BUL510	BUL510	TO-220AB	450	10	1.5	5	15/----/45	1	----/----	----	1.43	1.41	1.30	1.19
511-BUV48A	BUV48A	TO-218	450	15	5	12	----/----/----	----	----/----	----	2.40	2.36	2.06	1.78
511-BUX98A	BUX98A	TO-3	450	30	5	24	----/----/----	----	----/----	----	11.86	10.89	8.35	7.87
511-BU208A	BU208A	TO-3	700	8	1	4.5	----/----/----	----	----/7	0.1	2.18	2.15	1.87	1.62
511-BU508A	BU508A	TO-218	700	8	1	4.5	----/----/----	----	----/7	0.1	1.97	1.94	1.79	1.64
511-BUL216	BUL216	TO-220AB	800	4	3	2	12/----/40	0.4	----/----	----	1.11	1.10	1.01	.93

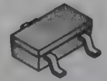
STMICROELECTRONICS PNP POWER BIPOLAR TRANSISTORS

For quantities 500 and up, call for quote.

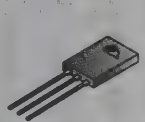
Thru Hole														
511-MJE210	MJE210	SOT-32	25	5	1.8	5	45/----/180	2	65/----	0.1	.27	.25	.22	.21
511-2N6111	2N6111	TO-220AB	30	7	3.5	7	30/----/150	2	4/----	0.5	.56	.55	.51	.47
511-BD534	BD534	TO-220AB	45	8	0.8	2	20/----/----	0.01	3/12	0.5	.72	.71	.65	.60
511-D45H5	D45H5	TO-220AB	45	10	1	8	40/70/----	4	----/----	----	.77	.76	.70	.64
511-TIP115	TIP115	TO-220AB	60	2	2.5	2	500/----/----	2	----/----	----	.38	.35	.32	.30
511-TIP32A	TIP32A	TO-220AB	60	3	1.2	3	10/----/50	3	----/----	----	.33	.30	.28	.26
511-TIP125	TIP125	TO-220AB	60	5	4	5	1000/----/----	3	----/----	----	.37	.34	.31	.29
511-TIP42A	TIP42A	TO-220AB	60	6	1.5	6	15/----/75	3	----/----	----	.47	.43	.40	.37
511-TIP105	TIP105	TO-220AB	60	8	2.5	8	1000/----/20000	3	----/----	----	.41	.38	.34	.32
511-D45H8	D45H8	TO-220AB	60	10	1	8	40/70/----	4	----/----	----	.56	.55	.51	.47
511-MJE2955T	MJE2955T	TO-220AB	60	10	8	10	20/----/70	4	2	0.5	.47	.43	.40	.37
511-BD678A	BD678A	SOT-32	60	4	2.8	2	750/----/----	2	----/----	----	.80	.68	.60	.55

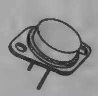
STMICROELECTRONICS Bipolar and Small Signal Transistors

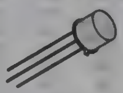
Products may be RoHS compliant.
Check mouser.com for RoHS status.

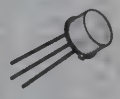

SOT-23-3

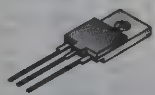
TO-220AB

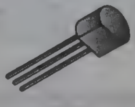

SOT-32


TO-3


TO-18


TO-39


TO-218


TO-92

TO-252

STMICROELECTRONICS PNP POWER BIPOLAR TRANSISTORS (CONT.)

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	$V_{CE\ (SAT)}$		h_{FE}		f_T		Price Each			
					Max. (V)	@ IC (A)	Min/Typ/Max	@ IC (A)	Min/Typ (MHz)	@ IC (A)	1	10	100	250
Thru Hole														
511-TIP145	TIP145	TO-218	60	10	3	10	500/----/----	10	----/----	----	1.31	1.29	1.19	1.09
511-MJ2955	MJ2955	TO-3	60	15	3	10	20/----/70	4	3/----	0.5	1.25	1.23	1.14	1.04
511-TIP2955	TIP2955	TO-218	60	15	3	10	20/----/70	4	3/----	0.5	1.25	1.23	1.14	1.04
511-BD140	BD140	SOT-32	80	1.5	0.5	0.5	40/----/250	0.15	----/----	----	.41	.38	.34	.32
511-BD238	BD238	SOT-32	80	2	0.6	1	25/----/----	1	3/----	0.25	.54	.53	.49	.45
511-MJE172	MJE172	SOT-32	80	3	1.7	3	50/----/250	0.1	50/----	0.1	.31	.28	.26	.24
511-2N5195	2N5195	SOT-32	80	4	1.2	4	20/----/80	1.5	2/----	1	.45	.41	.38	.35
511-BD680A	BD680A	SOT-32	80	4	2.8	2	750/----/----	2	----/----	----	.84	.82	.76	.70
511-2N6036	2N6036	SOT-32	80	4	3	4	75/----/15000	2	----/----	----	.43	.40	.36	.34
511-TIP126	TIP126	TO-220AB	80	5	4	5	1000/----/----	3	----/----	----	.39	.36	.33	.30
511-D45H11	D45H11	TO-220AB	80	10	1	8	40/70/----	4	----/----	----	.49	.45	.41	.38
511-MJ2501	MJ2501	TO-3	80	10	4	10	1000/----/----	5	----/----	----	2.58	2.54	2.21	1.92
511-TIP30C	TIP30C	TO-220AB	100	1	0.7	1	15/----/75	1	----/----	----	.33	.30	.28	.26
511-TIP117	TIP117	TO-220AB	100	2	2.5	2	500/----/----	2	----/----	----	.35	.32	.29	.27
511-TIP32C	TIP32C	TO-220AB	100	3	1.2	3	10/----/50	3	----/----	----	.33	.30	.28	.26
511-TIP127	TIP127	TO-220AB	100	5	4	5	1000/----/----	3	----/----	----	.35	.32	.29	.27
511-BD244C	BD244C	TO-220AB	100	6	1.5	6	15/----/----	3	----/----	----	.66	.65	.60	.55
511-TIP42C	TIP42C	TO-220AB	100	6	1.5	6	15/----/75	3	----/----	----	.39	.36	.33	.30
511-TIP107	TIP107	TO-220AB	100	8	2.5	8	1000/----/20000	3	----/----	----	.45	.41	.38	.35
511-TIP137	TIP137	TO-220AB	100	8	4	6	1000/----/15000	4	----/----	----	1.29	1.27	1.17	1.08
511-TIP147	TIP147	TO-218	100	10	3	10	500/----/----	10	----/----	----	1.27	1.25	1.15	1.06
511-TIP34C	TIP34C	TO-218	100	10	4	10	20/----/100	3	3/----	0.5	.88	.86	.80	.73
511-BDW94C	BDW94C	TO-220AB	100	12	3	10	750/----/20000	5	----/----	----	.74	.73	.67	.62
511-BD912	BD912	TO-220AB	100	15	3	10	15/----/150	5	----/----	----	.80	.78	.72	.66
511-2N6287	2N6287	TO-3	100	20	3	20	750/----/18000	10	----/----	----	2.62	2.58	2.25	1.95
511-TIP36C	TIP36C	TO-218	100	25	4	25	25/----/50	1.5	3/----	1	1.15	1.14	1.05	.96
511-2N5415	2N5415	TO-39	200	1	2.5	0.05	30/----/150	0.05	15/----	10	.64	.63	.58	.53
511-MJE350	MJE350	SOT-32	300	0.5	----	----	30/----/240	0.05	----/----	----	.31	.28	.26	.24
511-2N5416	2N5416	TO-39	300	1	2.5	0.05	30/----/120	0.05	15/----	10	.72	.71	.65	.60

STMICROELECTRONICS NPN SMALL SIGNAL TRANSISTORS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	$V_{CE\ (SAT)}$		h_{FE}		f_T		Price Each			
					Max. (V)	@ IC (A)	Min/Typ/Max	@ IC (A)	Min/Typ (MHz)	@ IC (A)	1	10	100	250
Thru Hole														
511-2N2219A	2N2219A	TO-39	40	0.8	1.0	0.5	100/----/300	0.15	250/----	0.02	.49	.45	.41	.38
511-BC107	BC107	TO-18	45	0.01	0.25	0.01	110/----/450	0.02	----/----	----	.80	.78	.72	.66
511-BC107B	BC107B	TO-18	45	0.01	0.25	0.01	110/----/450	0.02	----/----	----	.80	.78	.72	.66
511-BCY59VIII	BCY59VIII	TO-18	45	0.2	0.7	0.1	180/250/310	0.02	----/200	0.01	.45	.41	.38	.35
511-BC141-16	BC141-16	TO-39	60	1.0	1.0	1.0	100/160/250	0.1	50/----	0.05	.90	.88	.81	.75
511-2N3019	2N3019	TO-39	60	1.0	0.5	0.5	100/----/300	0.15	100/----	0.05	.60	.59	.54	.50
511-2N2102	2N2102	TO-39	65	1.0	0.5	0.15	40/----/120	0.15	----/----	----	.52	.51	.47	.43
511-2N1711	2N1711	TO-39	75	0.5	1.5	0.15	----/130/300	0.15	70/100	0.05	.49	.45	.41	.38
511-2N1893	2N1893	TO-39	80	0.5	5.0	0.15	40/80/120	0.15	50/70	0.05	.49	.45	.41	.38
511-2N720A	2N720A	TO-18	80	0.5	5.0	0.15	40/----/120	0.15	----/----	----	.78	.77	.71	.65
511-2N3700	2N3700	TO-18	80	1.0	0.5	0.5	100/----/300	0.15	100/----	0.05	.58	.57	.53	.48
511-STPSA42	STPSA42	TO-92	300	0.3	0.5	0.02	40/----/----	0.02	50/----	0.01	.05	.04	.04	.03

STMICROELECTRONICS PNP SMALL SIGNAL TRANSISTORS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Case Type	V_{CEO} Max. (V)	IC Max. (A)	$V_{CE\ (SAT)}$		h_{FE}		f_T		Price Each			
					Max. (V)	@ IC (A)	Min/Typ/Max	@ IC (A)	Min/Typ (MHz)	@ IC (A)	1	10	100	250
Surface Mount														
511-MJD127	MJD127T4	TO-252	100	5	2	4	1000/----/12000	4	100/----	5	.39	.36	.33	.30
511-MMBTA92	MMBTA92	SOT-23-3	300	0.3	0.5	0.02	40/----/----	0.01	50/----	0.01	.05	.04	.04	.03
Thru Hole														
511-2N2905A	2N2905A	TO-39	60	0.6	1.6	0.5	100/----/300	0.15	200/----	0.05	.90	.88	.81	.75
511-2N2907A	2N2907A	TO-18	60	0.6	1.6	0.5	100/----/300	0.15	200/----	0.05	.51	.47	.43	.40
511-2N4033	2N4033	TO-39	80	1.0	0.5	0.5	100/----/300	0.1	150/----	0.05	.68	.67	.62	.57
511-STPSA92	STPSA92	TO-92	300	0.3	0.5	0.02	40/----/----	0.02	50/----	0.01	.05	.04	.04	.03

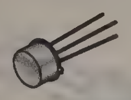
SILICONIX JFET Amplifiers and Switches

VISHAY

RoHS Compliant **This page of product is compliant.**

SOT-23

TO-18


TO-52

TO-72

TO-92

JFET AMPLIFIERS

RoHS Compliant

N-Channel JFET Amplifiers (Single)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Gate Source Breakdown Voltage (Min)(V)	Drain Source On-Resistance (Max)(Ω)	Gate-Source Cutoff Voltage		Saturation Drain Current		Common-Source Forward Transconductance		Gale Reverse Current		Price Each			
					(Min)(V)	(Max)(V)	(Min)(mA)	(Max)(mA)	(Min)(mS)	(Max)(mS)	(Min)(mS)	(Max)(mS)	1	100	500	1000
Thru-Hole																
781-2N5486-E3	2N5486-E3	TO-92	- 25	150/-----	- 2.0	- 6.0	8	20	4.0	8.0	- 2.0	- 1000	.36	.29	.27	.25
781-2N5485-E3	2N5485-E3	TO-92	- 25	150/-----	- 0.5	- 4.0	4	10	3.5	7.0	- 2.0	- 1000	.40	.32	.30	.28
781-2N5484-E3	2N5484-E3	TO-92	- 25	150/-----	- 0.3	- 3.0	1	5	3.0	6.0	- 2.0	- 1000	.46	.37	.35	.32
781-2N3819-E3	2N3819-E3	TO-92	- 25	150/-----	-----	-8	2.0	20	2.0	6.5	- 2.0	- 2000	.46	.37	.35	.32
781-U310-E3	U310-E3	TO-52	- 25	35/-----	- 2.5	- 6.0	24	60	10.0	-----	- 2.0	- 150	3.47	2.81	2.64	2.39
781-J310-E3	J310-E3	TO-92	- 25	35/-----	- 2.0	- 6.5	24	60	8.0	-----	- 2.0	- 1000	.42	.34	.32	.29
781-J308-E3	J308-E3	TO-92	- 25	35/-----	- 1.0	- 6.5	12	60	8.0	-----	- 2.0	- 1000	.42	.34	.32	.29
781-U309-E3	U309-E3	TO-52	- 25	35/-----	- 1.0	- 4.0	12	30	10.0	-----	- 2.0	- 150	3.47	2.81	2.64	2.39
781-J309-E3	J309-E3	TO-92	- 25	45/-----	- 1.0	- 4.0	12	30	10.0	-----	- 2.0	- 1000	.42	.34	.32	.29
781-2N4416A-E3	2N4416A-E3	TO-72	- 35	150/-----	- 2.5	- 6.0	5	15	4.5	7.5	-----	- 100	2.73	2.21	2.08	1.89
781-2N4117A-E3	2N4117A-E3	TO-72	- 40	11000/-----	- 0.6	- 1.8	0.03	0.09	0.07	0.21	- 0.2	- 1.0	3.99	3.23	3.04	2.76
781-PN4117A-E3	PN4117A-E3	TO-92	- 40	11000/-----	- 0.6	- 1.8	0.03	0.09	0.07	0.21	- 0.2	- 1.0	.67	.54	.51	.46
781-J202-E3	J202-E3-E3	TO-92	- 40	400/-----	- 0.8	- 4.0	0.9	4.5	1.0	-----	-----	- 100	.42	.34	.32	.29
781-PN4119A-E3	PN4119A-E3	TO-92	- 40	4500/-----	- 2.0	- 6.0	0.2	0.6	0.1	0.33	- 0.2	- 1.0	.57	.46	.43	.39
781-PN4118A-E3	PN4118A-E3	TO-92	- 40	7000/-----	- 1.0	- 3.0	0.08	0.24	0.08	0.25	- 0.2	- 1.0	.63	.51	.48	.44
781-J201-E3	J201-E3	TO-92	- 40	750/-----	- 0.3	- 1.5	0.2	1	0.5	-----	-----	- 100	.53	.43	.40	.36
781-2N4339-E3	2N4339-E3	TO-18	- 50	-----/1700	- 0.6	- 1.8	0.5	1.5	0.8	2.4	- 2.0	- 100	3.36	2.72	2.56	2.32
781-2N4338-E3	2N4338-E3	TO-18	- 50	-----/2500	- 0.3	- 1.0	0.2	0.6	0.6	1.8	- 2.0	- 100	3.36	2.72	2.56	2.32
781-2N4341-E3	2N4341-E3	TO-18	- 50	-----/800	- 2.0	- 6.0	3.0	9.0	2.0	4.0	- 2.0	- 100	3.36	2.72	2.56	2.32

RoHS Compliant

N-Channel JFET Amplifiers (Dual)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Gate Source Breakdown Voltage (Min)(V)	Drain Source On-Resistance (Max)(Ω)	Gate-Source Cutoff Voltage		Saturation Drain Current		Common-Source Forward Transconductance		Gale Reverse Current		Price Each			
					(Min)(V)	(Max)(V)	(Min)(mA)	(Max)(mA)	(Min)(mS)	(Max)(mS)	(Min)(mS)	(Max)(mS)	1	100	500	1000
Thru-Hole																
781-2N5564-E3	2N5564-E3	TO-52	- 40	50/100	- 0.5	- 3.0	5	30	7.5	12.5	-----	- 100	14.70	11.90	11.20	10.15
781-2N5565-E3	2N5565-E3	TO-52	- 40	50/100	- 0.5	- 3.0	5	30	7.5	12.5	-----	- 100	14.70	11.90	11.20	10.15
781-2N5566-E3	2N5566-E3	TO-52	- 40	50/100	- 0.5	- 3.0	5	30	7.5	12.5	-----	- 100	14.70	11.90	11.20	10.15

JFET SWITCHES

RoHS Compliant

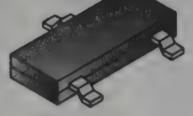
P-Channel JFET Switches

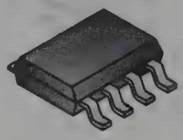
For quantities of 2000 and up, call for quote.

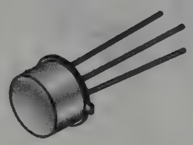
MOUSER STOCK NO.	Siliconix Part No.	Package	Gate Source Breakdown Voltage (Min)(V)	Drain Source On-Resistance (Max)(Ω)	Gate-Source Cutoff Voltage		Saturation Drain Current		Gate Operating Current (Typ)(pA)	Common Source Input Cap. (Typ)(pF)	Price Each			
					(Min)(V)	(Max)(V)	(Min)(mA)	(Max)(mA)			1	100	500	1000
Surface Mount														
781-SST174-E3	SST174-E3	SOT-23	- 30	85	5	10	- 20	- 135	100	20	.57	.46	.43	.39
781-SST175-E3	SST175-E3	SOT-23	- 30	125	3	6	- 7	- 70	100	20	.53	.43	.40	.36
781-SST176-E3	SST176-E3	SOT-23	- 30	250	1	4	- 2	- 35	100	20	.53	.43	.40	.36
781-SST177-E3	SST177-E3	SOT-23	- 30	300	0.8	2.25	- 1.5	- 20	100	20	.57	.46	.43	.39
781-SST270-E3	SST270-E3	SOT-23	- 30	- - - - -	0.5	2	- 2	- 15	10	20	.69	.56	.53	.48
781-SST271-E3	SST271-E3	SOT-23	- 30	- - - - -	1.5	4.5	- 6	- 50	10	20	.65	.53	.50	.45
781-SST5462-E3	SST5462-E3	SOT-23	- 40	- - - - -	1.8	9	- 4	- 16	3	4.5	.44	.36	.34	.30
781-SST5460-E3	SST5460-E3	SOT-23	- 40	- - - - -	0.5	6	- 1	- 5	3	4.5	1.60	1.29	1.22	1.10
781-SST5461-E3	SST5461-E3	SOT-23	- 40	- - - - -	1	7.5	- 2	- 9	3	4.5	.48	.39	.37	.33
Thru-Hole														
781-2N5114-E3	2N5114-E3	TO-18	- 30	75	5	10	- 30	- 90	5	20	3.68	2.98	2.80	2.54
781-2N5115-E3	2N5115-E3	TO-18	- 30	100	3	6	- 15	- 60	5	20	3.68	2.98	2.80	2.54
781-2N5116-E3	2N5116-E3	TO-18	- 30	150	1	4	-5	- 25	5	20	3.68	2.98	2.80	2.54
781-J174-E3	J174-E3	TO-92	- 30	85	5	10	- 20	- 135	10	20	.50	.41	.38	.35
781-J175-E3	J175-E3	TO-92	- 30	125	3	6	- 7	- 70	10	20	.48	.39	.37	.33
781-J176-E3	J176-E3	TO-92	- 30	250	1	4	- 2	- 35	100	20	.48	.39	.37	.33
781-J177-E3	J177-E3	TO-92	- 30	300	0.8	2.25	- 1.5	- 20	100	20	.50	.41	.38	.35
781-J270-E3	J270-E3	TO-92	- 30	- - - - -	0.5	2	- 2	- 15	10	20	.63	.51	.48	.44
781-2N5460-E3	2N5460-E3	TO-92	- 40	- - - - -	0.5	6	- 1	- 5	3	4.5	.55	.44	.42	.38
781-2N5461-E3	2N5461-E3	TO-92	- 40	- - - - -	1	7.5	- 2	- 9	3	4.5	.55	.44	.42	.38
781-2N5462-E3	2N5462-E3	TO-92	- 40	- - - - -	1.8	9	- 4	- 16	3	4.5	.55	.44	.42	.38

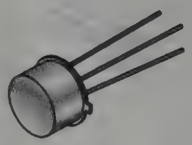
SILICONIX JFET Switches

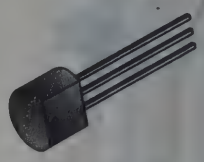
This page of product is compliant.


SOT-23


SO-8


TO-18


TO-52


TO-92

JFET SWITCHES

N-Channel JFET Switches

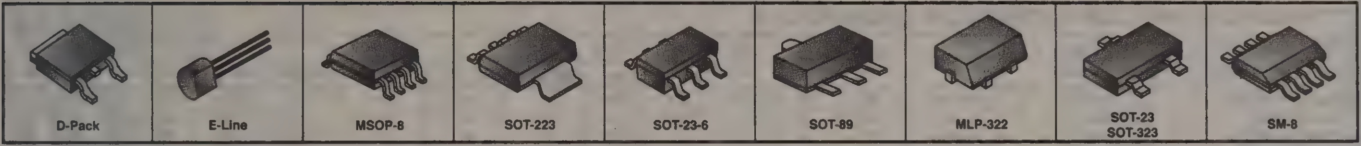
RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Gate Source Breakdown Voltage (Min)(V)	Drain Source On-Resistance (Max)(Ω)	Gate-Source Cutoff Voltage		Saturation Drain Current		Gate Operating Current (Typ)(pA)	Common Source Input Cap. (Typ)(pF)	Price Each			
					(Min)(V)	(Max)(V)	(Min)(mA)	(Max)(mA)			1	100	500	1000
Surface Mount														
781-SST108-E3	SST108-E3	SOT-23	- 25	8	- 3.0	- 10.0	80	----	- 10	60	.59	.48	.45	.41
781-SST109-E3	SST109-E3	SOT-23	- 25	12	- 2.0	- 6.0	40	----	- 10	60	.67	.54	.51	.46
781-SST110-E3	SST110-E3	SOT-23	- 25	18	- 0.5	- 4.0	10	----	- 10	60	.61	.49	.46	.42
781-SST310-E3	SST310-E3	SOT-23	- 25	35	- 2.0	- 6.5	24	60	- 15	4	.48	.39	.37	.33
781-SST308-E3	SST308-E3	SOT-23	- 25	35	- 1.0	- 6.5	12	60	- 15	4	.48	.39	.37	.33
781-SST309-E3	SST309-E3	SOT-23	- 25	35	- 1.0	- 4.0	12	30	- 15	4	.48	.39	.37	.33
781-SST5486-E3	SST5486-E3	SOT-23	- 25	-----	- 2.0	- 6.0	8	20	- 20	2.2	.42	.38	.32	.29
781-SST441-E3	SST441-E3	SO-8	- 25	-----	- 1.0	- 6.0	6	30	- 1.0	3.5	3.28	2.65	2.50	2.26
781-SST5485-E3	SST5485-E3	SOT-23	- 25	-----	- 0.5	- 4.0	4	10	- 20	2.2	.46	.37	.35	.32
781-SST200-E3	SST200-T1-E3	SOT-23	- 25	-----	- 0.3	- 0.9	0.15	0.150	- 2.0	4.5	.53	.43	.40	.36
781-SST201-E3	SST201-E3	SOT-23	- 25	-----	- 0.3	- 0.9	0.7	1.0	- 2.0	4.5	.59	.48	.45	.41
781-SST204-E3	SST204-E3	SOT-23	- 25	-----	- 0.3	- 2.0	0.7	3.0	- 2.0	4.5	.44	.36	.34	.30
781-SST5484-E3	SST5484-E3	SOT-23	- 25	-----	- 0.3	- 3.0	1	5	- 20	2.2	.44	.36	.34	.30
781-SST4416-E3	SST4416-E3	SOT-23	- 30	150	----	- 6.0	5	15	20	4	.57	.46	.43	.39
781-SST111-E3	SST111-E3	SOT-23	- 35	30	- 3.0	- 10.0	20	----	- 5	12	.48	.39	.37	.33
781-SST112-E3	SST112-E3	SOT-23	- 35	50	- 1.0	- 5.0	5	----	- 5	12	.48	.39	.37	.33
781-SST113-E3	SST113-E3	SOT-23	- 35	100	----	- 3.0	2	----	- 5	12	.48	.39	.37	.33
781-SST4391-E3	SST4391-E3	SOT-23	- 40	30	- 4.0	- 10.0	50	----	- 5	13	.40	.32	.30	.28
781-SST4392-E3	SST4392-E3	SOT-23	- 40	60	- 2.0	- 5.0	25	----	- 5	13	.40	.32	.30	.28
781-SST4393-E3	SST4393-E3	SOT-23	- 40	100	- 0.5	- 3.0	5	----	- 5	13	.40	.32	.30	.28
781-SST404-E3	SST404-E3	SO-8	- 40	250	- 0.5	- 2.5	0.5	10	- 15	8	3.53	2.86	2.69	2.44
781-SST406-E3	SST406-E3	SO-8	- 40	250	- 0.5	- 2.5	0.5	10	- 15	8	3.26	2.64	2.48	2.25
781-SST4119-E3	SST4119-E3	SOT-23	- 40	-----	- 2.0	- 6.0	0.2	0.6	- 0.2	1.2	.57	.46	.43	.39
781-SST4118-E3	SST4118-E3	SOT-23	- 40	-----	- 1.0	- 3.0	0.08	0.24	- 0.2	1.2	.63	.51	.48	.44
781-SST202-E3	SST202-E3	SOT-23	- 40	-----	- 0.8	- 4.0	0.9	4.5	- 2.0	4.5	.48	.39	.37	.33
781-SST4117-E3	SST4117-E3	SOT-23	- 40	-----	- 0.6	- 1.8	0.03	0.09	- 0.2	1.2	.67	.54	.51	.46
Thru-Hole														
781-J105-E3	J105-E3	TO-92	- 25	3	- 4.5	- 10.0	500	----	- 10	120	2.10	1.70	1.60	1.45
781-2N5432-E3	2N5432-E3	TO-52	- 25	5	- 4.0	- 10.0	150	----	- 10	20	3.99	3.23	3.04	2.76
781-J106-E3	J106-E3	TO-92	- 25	6	- 2.0	- 6.0	200	----	- 10	120	1.89	1.53	1.44	1.31
781-2N5433-E3	2N5433-E3	TO-52	- 25	7	- 3.0	- 9.0	100	----	- 10	20	3.99	3.23	3.04	2.76
781-J108-E3	J108-E3	TO-92	- 25	8	- 3.0	- 10.0	80	----	- 10	60	.50	.41	.38	.35
781-J107-E3	J107-E3	TO-92	- 25	8	- 0.5	- 4.5	100	----	- 10	120	1.89	1.53	1.44	1.31
781-2N5434-E3	2N5434-E3	TO-52	- 25	10	- 1.0	- 4.0	30	----	- 10	20	3.99	3.23	3.04	2.76
781-J109-E3	J109-E3	TO-92	- 25	12	- 2.0	- 6.0	40	----	- 10	60	.55	.44	.42	.38
781-J110-E3	J110-E3	TO-92	- 25	18	- 0.5	- 4.0	10	----	- 10	60	.57	.46	.43	.39
781-J111-E3	J111-E3	TO-92	- 35	30	- 3.0	- 10.0	20	----	- 5	7	.42	.34	.32	.29
781-J112-E3	J112-E3	TO-92	- 35	50	- 1.0	- 5.0	5	----	- 5	7	.42	.34	.32	.29
781-J113-E3	J113-E3	TO-92	- 35	100	----	- 3.0	2	----	- 5	7	.42	.34	.32	.29
781-2N4391-E3	2N4391-E3	TO-18	- 40	30	- 4.0	- 10.0	50	150	- 5	12	2.73	2.21	2.08	1.89
781-PN4391-E3	PN4391-E3	TO-92	- 40	30	- 4.0	- 10.0	50	150	- 5	12	.44	.36	.34	.30
781-2N4392-E3	2N4392-E3	TO-18	- 40	60	- 2.0	- 6.0	25	75	- 5	12	2.73	2.21	2.08	1.89
781-PN4392-E3	PN4392-E3	TO-92	- 40	60	- 2.0	- 6.0	25	75	- 5	12	.44	.36	.34	.30
781-2N4393-E3	2N4393-E3	TO-18	- 40	100	- 0.5	- 3.0	5	30	- 5	12	2.73	2.21	2.08	1.89
781-PN4393-E3	PN4393-E3	TO-92	- 40	100	- 0.5	- 3.0	5	30	- 5	12	.44	.36	.34	.30

ZETEX Bipolar Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.



ZETEX RF TRANSISTORS

♦ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			N			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (mA)	Typ (dB)	@ f (MHz)	@ I_C (mA)		1	25	100	250
♦522-FMMT5179TA	FMMT5179TA	SOT-23	12	50	0.33	25	250	3	4.5	500	2	900	.52	.39	.27	.21
♦522-ZUMTS17HTA	ZUMTS17HTA	SOT-323	15	25	0.33	70	200	2	4.5	500	2	1300	.70	.52	.36	.29
♦522-BFS17HTA	BFS17HTA	SOT-23	15	25	0.33	70	200	2	4.5	500	2	1300	.59	.44	.31	.24
522-ZTX325	ZTX325	E-Line	15	25	0.5	20	125	25	5	500	2	600	.73	.54	.38	.30
♦522-FMMTH10TA	FMMTH10TA	SOT-23	25	25	0.33	60	-----	4	3	500	2	650	.43	.32	.21	.17

ZETEX SINGLE NPN MEDIUM POWER TRANSISTORS

♦ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
522-FMMT451TA	FMMT451TA	E-Line	60	1	0.5	50	150	0.15	350	0.15	15	150	.41	.30	.21	.17
♦522-FMMT491TA	FMMT491TA	SOT-23	60	1	0.5	100	300	0.5	500	1	100	150	.41	.30	.21	.17
♦522-FMMT493ATA	FMMT493ATA	SOT-23	60	1	0.5	500	1200	0.15	500	1	50	150	.41	.30	.21	.17
522-ZTX451	ZTX451	E-Line	60	1	1	50	150	0.15	350	0.15	15	150	.76	.56	.39	.31
♦522-FCX491TA	FCX491TA	SOT-89	60	1	1	100	300	0.5	500	1	100	150	.57	.42	.29	.23
♦522-FZT491TA	FZT491TA	SOT-223	60	1	2	100	300	0.5	500	1	100	150	.92	.68	.48	.37
522-ZTX651	ZTX651	E-Line	60	2	1	100	300	0.5	500	2	200	140	1.24	.92	.64	.51
♦522-FZT651TA	FZT651TA	SOT-223	60	3	2	100	300	0.5	600	3	300	140	.97	.72	.50	.40
♦522-ZXTN25060BFHTA	ZXTN25060BFHTA	SOT-23	60	3.5	1.25	100	300	0.01	65	1	100	185	.81	.60	.42	.33
522-ZX5T851A	ZX5T851A	E-Line	60	4.5	1	100	300	2	65	1	50	130	1.56	1.15	.81	.63
522-ZXTN2010A	ZXTN2010A	E-Line	60	4.5	1	100	300	2	65	1	50	130	1.56	1.15	.81	.63
522-ZXTN2010ASTZ	ZXTN2010ASTZ	E-Line	60	4.5	1	100	300	2	65	1	50	130	1.56	1.15	.81	.63
♦522-ZXTN2010ZTA	ZXTN2010Z	SOT-89	60	5	2.1	100	300	2	55	1	100	130	1.24	.92	.64	.51
♦522-ZX5T851GTA	ZX5T851GTA	SOT-223	60	6	3	100	300	2	70	1	50	130	1.46	1.08	.76	.59
♦522-ZXTN2010GTA	ZXTN2010G	SOT-223	60	6	3	100	300	2	70	1	50	130	1.35	1.00	.70	.55
522-ZTX692B	ZTX692B	E-Line	70	1	1	400	-----	0.5	150	500	1	10	1.46	1.08	.76	.59
522-ZTX1053A	ZTX1053A	E-Line	75	3	1	300	1200	1	150	1	10	140	1.51	1.12	.78	.62
♦522-FCX1053ATA	FCX1053ATA	SOT-89	75	3	1	300	1200	0.5	200	1	10	140	1.03	.76	.53	.42
♦522-FMMTA06TA	FMMTA06TA	SOT-23	80	0.5	0.33	50	-----	0.1	250	0.1	10	100	.35	.26	.18	.14
♦522-BSR43TA	BSR43TA	SOT-89	80	1	1	100	300	0.1	250	0.15	15	100	.43	.32	.22	.18
522-ZTX614	ZTX614	E-Line	100	0.8	1	10000	-----	0.5	1250	0.8	8	-----	.76	.56	.39	.31
♦522-FMMT493TA	FMMT493TA	SOT-23	100	1	0.5	100	300	0.25	300	0.5	50	150	.41	.30	.21	.17
522-ZTX453	ZTX453	E-Line	100	1	1	40	200	0.15	700	0.15	15	150	.76	.56	.39	.31
♦522-FZT493TA	FZT493TA	SOT-223	100	1	2	100	300	0.25	300	0.5	50	150	.92	.68	.48	.37
♦522-FZT653TA	FZT653TA	SOT-223	100	2	1	100	300	0.5	300	1.2	100	175	.97	.72	.50	.40
522-ZTX653	ZTX653	E-Line	100	2	1	100	300	0.5	300	1.2	100	175	1.24	.92	.64	.51
♦522-ZXTN25100BFHTA	ZXTN25100BFHTA	SOT-23	100	3	1.25	100	300	0.01	80	1	100	160	.81	.60	.42	.33
♦522-ZXTN2011ZTA	ZXTN2011ZTA	SOT-89	100	4.5	2.1	100	300	2	60	1	100	130	1.24	.92	.64	.51
♦522-ZX5T853GTA	ZX5T853GTA	SOT-223	100	6	.3	100	300	2	65	1	100	130	1.46	1.08	.76	.59
♦522-ZXTN2011GTA	ZXTN2011GTA	SOT-223	100	6	3	100	300	2	65	1	100	130	1.35	1.00	.70	.55

ZETEX DUAL NPN MEDIUM POWER TRANSISTORS

RoHS Compliant

♦ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
♦522-ZDT651TA	ZDT651TA	SM-8	60	2	2.5	80	-----	1	0.5	2	200	-----	1.67	1.24	.87	.68
♦522-ZDT694TA	ZDT694TA	SM-8	120	0.5	2.75	400	-----	0.2	500	0.4	5	-----	1.85	1.37	.96	.75

ZETEX SINGLE PNP MEDIUM POWER TRANSISTORS

♦ Surface Mount

522-FMMT551TA	FMMT551TA	E-Line	-60	-1	0.5	50	150	-0.15	-350	-0.15	-15	150	.41	.30	.21	.17
♦522-FMMT591TA	FMMT591TA	SOT-23	-60	-1	0.5	100	300	-0.5	-600	-1	-100	150	.41	.30	.21	.17
522-ZTX551	ZTX551	E-Line	-60	-1	1	50	150	-0.15	-350	-0.15	-15	150	.76	.56	.39	.31
♦522-FCX591TA	FCX591TATA	SOT-89	-60	-1	1	100	300	-0.5	-600	-1	-100	150	.57	.42	.29	.23
♦522-FZT591ATA	FZT591ATA	SOT-223	-60	-1	2	100	300	-0.5	-600	-1	-100	150	.92	.68	.48	.37
♦522-FZT591TA	FZT591TATA	SOT-223	-60	-1	2	100	300	-0.5	-600	-1	-100	150	.92	.68	.48	.37
522-ZTX751	ZTX751	E-Line	-60	-2	1	100	300	-500	-0.5	-2	-200	100	1.24	.92	.64	.51
♦522-FZT751TA	FZT751TA	SOT-223	-60	-2	2	100	300	-600	-0.5	-3	-200	100	1.04	.77	.54	.42
522-ZXTP2012A	ZXTP2012A	E-Line	-60	-3.5	-3.5	1	100	300	1	-65	-1	120	1.11	.82	.58	.45
♦522-ZXTP2012ZTA	ZXTP2012ZTA	SOT-89	-60	-4.3	2.1	100	300	-2	-65	-1	-100	120	1.24	.92	.64	.51
♦522-ZX5T951GTA	ZX5T951GTA	SOT-223	-60	-5.5	3	100	300	-2	-70	-1	-100	120	1.46	1.08	.76	.59
♦522-ZXTP2012GTA	ZXTP2012GTA	SOT-223	-60	-5.5	3	100	300	-2	-70	-1	-100	120	1.35	1.00	.70	.55
♦522-FMMT722TA	FMMT722TA	SOT-23	-70	-2	0.625	300	-----	-0.1	-220	-1	-100	150	.69	.51	.36	.28
522-ZTX792A	ZTX792A	E-Line	-70	-2	1	250	-----	-0.5	-450	-0.5	-5	100	1.51	1.12	.78	.62
♦522-FZT792ATA	FZT792ATA	SOT-223	-70	-2	2	250	-----	-0.5	-450	-0.5	-5	100	1.19	.88	.62	.48
♦522-ZXT4M322TA	ZXT4M322TA	MLP-322	-70	-2.5	1.5	300	-----	-0.1	-220	-1	-100	150	1.03	.76	.53	.42
♦522-BSR33TA	BSR33TA	SOT-89	-80	-1	1	100	300	-0.1	-500	-0.5	-50	100	.43	.32	.22	.18
♦522-FMMT734TA	FMMT734TA	SOT-23	-100	-0.8	0.625	15000	-----	-1	-970	-0.8	-5	140	.69	.51	.36	.28
♦522-FMMT593TA	FMMT593TA	SOT-23	-100	-1	0.5	100	300	-0.5	-300	-0.5	-50	50	.41	.30	.21	.17
♦522-FMMT723TA	FMMT723TA	SOT-23	-100	-1	0.625	300	-----	-0.1	-200	-0.5	-50	200	.69	.51	.36	.28
522-ZTX553	ZTX553	E-Line	-100	-1	1	40	200	-0.15	-250	-0.15	-15	150	.76	.56	.39	.31
♦522-FZT593TA	FZT593TA	SOT-223	-100	-1	2	100	300	-0.5	-300	-0.5	-50	50	.92	.68	.48	.37
522-ZTX753	ZTX753	E-Line	-100	-2	1	100	300	-0.5	-500	-2	-200	120	1.24	.92	.64	.51
♦522-ZXTP25100BFHTA	ZXTP25100BFHTA	SOT-23	-100	-2	1.25	100	300	-0.01	-90	-0.5	-50	200	.81	.60	.42	.33
♦522-FZT753TA	FZT753TA	SOT-223	-100	-2	2	100	300	-0.5	-500	-2	-200	120	1.04	.77	.54	.42
522-ZTX953	ZTX953	E-Line	-100	-3.5	1.2	100	300	-1	-100	-1	-100	125	1.67	1.24	.87	.68
♦522-ZXTP2013ZTA	ZXTP2013ZTA	SOT-89	-100	-3.5	2.1	100	300	-1	-85	-1	-100	125	1.24	.92	.64	.51
♦522-ZX5T953GTA	ZX5T953GTA	SOT-223	-100	-5	3	100	300	-1	-90	-1	-100	125	1.46	1.08	.76	.59
♦522-FZT953TA	FZT953TA	SOT-223	-100	-5	3	100	300	-1	-115	-1	-100	125	1.62	1.20	.84	.66
♦522-ZXTP2013GTA	ZXTP2013GTA	SOT-223	-100	-5	3	100	300	-1	-90	-1	-100	125	1.35	1.00	.70	.55

ZETEX Bipolar Transistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZETEX SINGLE NPN LOW SATURATION TRANSISTORS

♦ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
♦522-FZT1047ATA	FZT1047ATA	SOT-223	10	5	2.5	300	1200	1	40	0.5	10	150	1.16	.86	.60	.47
522-ZTX688B	ZTX688B	E-Line	12	3	1	500	-----	0.1	40	0.1	1	150	1.46	1.08	.76	.59
♦522-FCX688BTA	FCX688BTA	SOT-89	12	3	3	1	500	0.1	40	0.1	1	150	.70	.52	.36	.29
♦522-FZT688BTA	FZT688BTA	SOT-223	12	4	2	500	-----	0.1	40	0.1	1	150	1.19	.88	.62	.48
♦522-ZUMT617TA	ZUMT617TA	SOT-223	15	1.5	0.385	300	-----	0.1	20	0.1	10	180	.49	.36	.25	.20
♦522-ZXT11N15DFTA	ZXT11N15DFTA	SOT-23	15	3	0.625	300	900	0.2	0.08	1	10	145	.77	.57	.40	.31
♦522-FMMT617TA	FMMT617TA	SOT-23	15	3	0.625	300	-----	0.2	14	0.1	10	120	.69	.51	.36	.28
♦522-FCX617TA	FCX617TA	SOT-89	15	3	1	300	-----	0.2	14	0.1	10	120	.69	.51	.36	.28
♦522-ZXT10N15DE6TA	ZXT10N15DE6TA	SOT-23-6	15	4	1.1	200	-----	3	100	1	10	120	.81	.60	.42	.33
♦522-ZXT13N15DE6TA	ZXT13N15DE6TA	SOT-23-6	15	5	1.1	300	900	1	70	1	10	72	.97	.72	.50	.40
♦522-ZXTN25015DFHTA	ZXTN25015DFHTA	SOT-23	15	5	1.25	300	900	0.01	40	1	100	240	.81	.60	.42	.33
♦522-ZXTN23015CFHTA	ZXTN23015CFHTA	SOT-23	15	6	1.25	200	560	0.5	30	1	100	235	1.13	.84	.59	.46
522-ZTX1048A	ZTX1048A	E-Line	17.5	4	1	300	1200	1	45	0.5	10	150	1.51	1.12	.78	.62
♦522-FZT1048ATA	FZT1048ATA	SOT-223	17.5	5	2.5	300	1200	1	45	0.5	10	150	1.16	.86	.60	.47
♦522-ZUMT618TA	ZUMT618TA	SOT-323	20	1.25	0.385	300	-----	0.1	25	0.1	10	210	.49	.36	.25	.20
♦522-ZXT11N20DFTA	ZXT11N20DFTA	SOT-23	20	2.5	0.625	300	900	0.1	0.1	1	10	160	.87	.65	.45	.36
♦522-FMMT618TA	FMMT618TA	SOT-23	20	2.5	0.625	300	-----	0.2	15	0.1	10	140	.69	.51	.36	.28
522-ZTX689B	ZTX689B	E-Line	20	3	1	500	-----	0.1	100	0.1	0.5	150	1.46	1.08	.76	.59
♦522-FZT689BTA	FZT689BTA	SOT-223	20	3	2	500	-----	0.1	100	0.1	0.5	150	1.19	.88	.62	.48
522-ZTX618	ZTX618	E-Line	20	3.5	1	300	-----	0.2	15	0.1	10	140	.97	.72	.50	.40
♦522-ZXT10N20DE6TA	ZXT10N20DE6TA	SOT-23-6	20	3.5	1.1	200	-----	2	135	2	50	140	.81	.60	.42	.33
♦522-ZXT13N20DE6TA	ZXT13N20DE6TA	SOT-23-6	20	4.5	1.1	300	900	1	75	1	10	96	.97	.72	.50	.40
522-ZTX649	ZTX649	E-Line	25	2	1	100	300	1	300	1	100	240	1.24	.92	.64	.51
♦522-FZT649TA	FZT649TA	SOT-223	25	3	2	100	300	1	300	1	100	240	.97	.72	.50	.40
♦522-ZXTN2005ZTA	ZXTN2005ZTA	SOT-89	25	5.5	2.1	300	-----	1	45	1	100	150	1.19	.88	.62	.48
♦522-ZX5T869GTA	ZX5T869GTA	SOT-223	25	7	3	300	-----	0.1	25	0.1	10	210	1.32	.98	.66	.54
♦522-ZXTN2005GTA	ZXTN2005GTA	SOT-223	25	7	3	300	-----	1	40	0.5	10	150	1.35	1.00	.70	.55
♦522-FMMT449TA	FMMT449TA	SOT-23	30	1	0.5	100	300	0.5	500	1	100	150	.41	.30	.21	.17
♦522-FMMT489TA	FMMT489TA	SOT-23	30	1	0.5	100	300	1	300	1	100	150	.41	.30	.21	.17
522-ZTX449	ZTX449	E-Line	30	1	1	100	300	0.5	500	1	100	150	.76	.56	.39	.31
♦522-FZT489TA	FZT489TA	SOT-223	30	1	2	100	300	1	300	1	100	150	.92	.68	.48	.37
522-ZTX1049A	ZTX1049A	E-Line	30	4	1	300	1200	1	60	0.5	10	100	1.51	1.12	.78	.62
♦522-FZT1049ATA	FZT1049ATA	SOT-223	30	5	2.5	300	1200	1	60	0.5	10	180	1.16	.86	.60	.47
♦522-ZXTN2007ZTA	ZXTN2007ZTA	SOT-89	30	6	2.1	100	300	1	45	1	100	140	1.24	.92	.64	.51
♦522-ZX5T849GTA	ZX5T849GTA	SOT-223	30	7	3	100	300	1	110	1	20	140	1.40	1.04	.73	.57
522-ZTX849	ZTX849	E-Line	30	7	3	100	300	1	110	1	20	100	1.67	1.24	.87	.68
♦522-ZXTN2007GTA	ZXTN2007GTA	SOT-223	30	7	3	100	300	1	80	1	20	100	1.35	1.00	.70	.55
♦522-ZXT849KTC	ZXT849KTC	DPAK	30	7	4.2	100	300	1	80	1	20	100	2.14	1.58	1.11	.87
♦522-FMMT491ATA	FMMT491ATA	SOT-23	40	1	0.5	300	900	0.5	300	0.5	50	150	.41	.30	.21	.17
♦522-FZT491ATA	FZT491ATA	SOT-223	40	1	2	300	900	0.5	300	0.5	50	150	.92	.68	.48	.37
♦522-FCX1051ATA	FCX1051ATA	SOT-89	40	3	1	300	1200	1	120	1	10	155	1.03	.76	.53	.42
522-ZTX1051A	ZTX1051A	E-Line	40	4	1	300	1200	1	110	1	10	155	1.51	1.12	.78	.62
♦522-FZT1051ATA	FZT1051ATA	SOT-223	40	5	2.5	270	1200	1	120	1	10	155	1.16	.86	.60	.47
♦522-BCW66HTA	BCW66HTATA	SOT-23	45	0.8	0.33	250	630	0.1	300	0.1	10	100	.38	.28	.20	.15
522-ZTX450	ZTX450	E-Line	45	1	1	100	300	0.15	250	0.15	15	150	.76	.56	.39	.31
522-ZTX690B	ZTX690B	E-Line	45	2	1	400	-----	1	100	0.1	0.5	150	1.46	1.08	.76	.59
♦522-FCX690BTA	FCX690BTA	SOT-89	45	2	1	400	-----	1	80	0.1	0.5	150	.70	.52	.36	.29
♦522-FZT690BTA	FZT690BTA	SOT-223	45	3	2	400	-----	1	100	0.1	0.5	150	1.19	.88	.62	.48
♦522-ZXT690BKTC	ZXT690BKTC	DPAK	45	3	3.9	400	-----	1	80	1	20	150	1.65	1.22	.86	.67
♦522-ZUMT619TA	ZUMT619TA	SOT-323	50	1	0.385	300	-----	0.1	35	0.1	10	215	.49	.36	.25	.20
♦522-FMMT619TA	FMMT619TA	SOT-23	50	2	0.625	300	-----	0.2	20	0.1	10	170	.69	.51	.36	.28
♦522-ZXT10N50DE6TA	ZXT10N50DE6TA	SOT-23-6	50	3	1.1	200	-----	1	200	1	10	165	.81	.60	.42	.33
♦522-ZXT13N50DE6TA	ZXT13N50DE6TA	SOT-23-6	50	4	1.1	300	900	1	100	1	10	115	.97	.72	.50	.40
♦522-ZXTN2031FTA	ZXTN2031FTA	SOT-23	50	5	1.2	200	560	0.5	40	1	100	125	1.13	.84	.59	.46
♦522-FZT692BTA	FZT692BTA	SOT-223	70	2	2	400	-----	0.5	500	1	10	150	1.19	.88	.62	.48
♦522-FZT1053ATA	FZT1053ATA	SOT-223	75	4.5	2.5	300	1200	0.5	200	1	10	140	1.16	.86	.60	.47
♦522-ZXT1053AKTC	ZXT1053AKTC	DPAK	75	5	4	300	1200	1	160	1	10	160	2.52	1.86	1.30	1.03
♦522-FMMT620TA	FMMT620TA	SOT-23	80	1.5	0.625	300	-----	0.2	23	0.1	10	150	.69	.51	.36	.28

ZETEX DUAL NPN LOW SATURATION TRANSISTORS

RoHS Compliant

♦ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
♦522-ZDT1048TA	ZDT1048TA	SM-8	17.5	5	2.75	250	-----	5	0.24	5	100	-----	2.53	1.87	1.31	1.03
♦522-ZXTD09N50DE6TA	ZXTD09N50DE6TA	SOT-23-6	50	1	1.1	300	-----	0.1	0.27	1	50	-----	1.61	1.20	.84	.66
♦522-ZXT12N50DXTA	ZXT12N50DXTA	MSOP-8	50	3	1.25	300	900	1	0.12	1	10	-----	2.43	1.80	1.26	.99
♦522-ZDT1053TA	ZDT1053TA	SM-8	75	5	2.75	300	-----	1	0.44	5	250	-----	2.53	1.87	1.31	1.03

ZETEX SINGLE PNP LOW SATURATION TRANSISTORS

♦ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
♦522-FMMTL717TA	FMMTL717TA	SOT-23	-12	-1.25	0.5	300	-----	-0.1	-40	-0.1	-10	205	.46	.34	.24	.19
♦522-FMMT717TA	FMMT717TA	SOT-23	-12	-2.5	0.625	300	-----	-0.1	-17	-0.1	-10	110	.54	.40	.28	.22
♦522-ZXT10P12DE6TA	ZXT10P12DE6TA	SOT-23-6	-12	-3	1.1	300	-----	-0.1	-17	-0.1	-10	110	.81	.60	.42	.33
♦522-FZT717TA	FZT717TA	SOT-223	-12	-3	2	300	-----	-0.1	-17	-0.1	-10	110	1.04	.77	.54	.42
522-ZTX1147A	ZTX1147A	E-Line	-12	-4	1	250	850	-0.5	-130	-1	-6	115	1.51	1.12	.78	.62
♦522-ZXT13P12DE6TA	ZXT13P12DE6TA	SOT-23-6	-12	-4	1.1	300	900	-1	-90	-1	-10	55	.97	.72	.50	.40
522-ZTX968	ZTX968	E-Line	-12	-4.5	1.2	300	1000	-0.5	-100	-0.5	-5	80	1.67	1.24	.87	.68
♦522-FZT1147ATA	FZT1147ATA	SOT-223	-12	-5	2.5	250	850	-0.5	-110	-0.5	-2.5	115	1.24	.92	.64	.51
♦522-FZT968TA	FZT968TA	SOT-223	-12	-6	3	300	1000	-0.5	-130	-0.5	-5	80	1.62	1.20	.84	.66
522-ZTX788B	ZTX788B	E-Line	-15	-3	1	400	-----	-1	-150	-0.5	-2.5	100	1.51	1.12	.78	.62
522-ZTX788A	ZTX788A	E-Line	-15	-3	1	300	800	-0.01	-35	-0.1	-2	150	1.51	1.12	.78	.62
♦522-FZT788BTA	FZT788BTA	SOT-223	-15	-3	2	400	-----	-1	-150	-0.5	-2.5	100	1.32	.98	.69	.54
♦522-BCP6925TA	BCP6925TA	SOT-223	-20	-1	-1	2	160	400	-0.5	-500	-1	100	1.10	.82	.57	.45
♦522-FMMT718TA	FMMT718TA	SOT-23	-20	-1.5	0.625	300	-----	-0.1	-40	-0.1	-10	180	.54	.40	.28	.22
522-ZTX718	ZTX718	E-Line	-20	-2.5	1	300	-----	-0.1	-40	-0.1	-10	180	.97	.72	.50	.40

ZETEX Bipolar Transistors

Products may be RoHS compliant. Check mouser.com for RoHS status.

ZETEX SINGLE PNP LOW SATURATION TRANSISTORS (CONT.)

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
◆522-ZXT10P20DE6TA	ZXT10P20DE6TA	SOT-23-6	-20	-2.5	1.1	150	-----	-2	-220	-1	-20	180	.81	.60	.42	.33
◆522-ZXT13P20DE6TA	ZXT13P20DE6TA	SOT-23-6	-20	-3.5	1.1	300	900	-1	-0.13	-1	-10	90	.97	.72	.50	.40
◆522-ZX5T2E6TA	ZX5T2E6TA	SOT-23-6	-20	-3.5	1.1	300	900	-1	-140	-1	-10	110	.82	.60	.42	.33
◆522-ZXTP2006E6TA	ZXTP2006E6TA	SOT-23-6	-20	-3.5	1.1	300	900	-1	-140	-1	-10	110	.92	.68	.48	.37
◆522-FZT948TA	FZT948TATA	SOT-223	-20	-6	3	100	300	-1	-130	-0.5	-10	80	1.62	1.20	.84	.66
522-ZTX749	ZTX749	E-Line	-25	-2	1	100	300	-1	-300	-1	-100	160	1.24	.92	.64	.51
522-ZTX1149A	ZTX1149A	E-Line	-25	-3	1	250	800	-2	-170	-0.5	-3	135	1.51	1.12	.78	.62
522-ZTX789A	ZTX789A	E-Line	-25	-3	1	250	-----	-1	-250	-1	-10	100	1.51	1.12	.78	.62
◆522-FCX1149ATA	FCX1149ATA	SOT-89	-25	-3	1	250	800	-0.5	-240	-1	-7	135	1.07	.79	.55	.44
◆522-FZT749TA	FZT749TA	SOT-223	-25	-3	2	100	300	-1	-300	-1	-100	160	1.04	.77	.54	.42
◆522-FZT1149ATA	FZT1149ATA	SOT-223	-25	-4	2.5	250	800	-0.5	-240	-1	-7	135	1.24	.92	.64	.51
◆522-FMMT549TA	FMMT549TA	SOT-23	-30	-1	0.5	100	300	-0.5	-500	-1	-100	100	.41	.30	.21	.17
◆522-FMMT589TA	FMMT589TA	SOT-23	-30	-1	0.5	100	300	-0.5	-350	-1	-100	100	.41	.30	.21	.17
◆522-FMMT549ATA	FMMT549ATA	SOT-23	-30	-1	0.5	150	500	-0.5	-300	-0.1	-1	100	.41	.30	.21	.17
522-ZTX549	ZTX549	E-Line	-30	-1	1	100	300	-0.5	-500	-1	-100	100	.76	.56	.39	.31
◆522-FZT549TA	FZT549TA	SOT-223	-30	-1	2	100	300	-0.5	-500	-1	-100	100	.92	.68	.48	.37
◆522-FZT589TA	FZT589TA	SOT-223	-30	-2	2	100	300	-0.5	-350	-1	-100	100	.92	.68	.48	.37
◆522-ZXTP2008ZTA	ZXTP2008ZTA	SOT-89	-30	-2.2	2.1	100	300	-1	-45	-1	-100	110	1.24	.92	.64	.51
522-ZTX949	ZTX949	E-Line	-30	-4.5	1.2	100	300	-1	-60	-0.5	-20	100	1.67	1.24	.87	.68
◆522-ZX5T949GTA	ZX5T949GTA	SOT-223	-30	-5.5	3	100	300	-1	-45	-0.5	-0.2	100	1.46	1.08	.76	.59
◆522-ZXTP2008GTA	ZXTP2008GTA	SOT-223	-30	-5.5	3	100	300	-1	-45	-0.5	-20	110	1.35	1.00	.70	.55
◆522-ZUMT720TA	ZUMT720TA	SOT-323	-40	-0.75	0.385	300	-----	-0.1	-65	-0.1	-10	220	.49	.36	.25	.20
◆522-FMMT591ATA	FMMT591ATA	SOT-23	-40	-1	0.5	300	800	-0.1	-200	-0.1	-1	150	.41	.30	.21	.17
◆522-FZT591ATA	FZT591ATA	SOT-223	-40	-1	2	300	800	-0.1	-200	-0.1	-1	150	.92	.68	.48	.37
◆522-FCX591ATA	FCX591ATA	SOT-89	-40	-1	2	300	800	-0.1	-200	-0.1	-1	150	.57	.42	.29	.23
◆522-FMMT720TA	FMMT720TA	SOT-23	-40	-1.5	0.625	300	-----	-0.1	-40	-0.1	-10	190	.54	.40	.28	.22
522-ZTX790A	ZTX790A	E-Line	-40	-2	1	300	800	-0.01	-250	-0.5	-5	100	1.51	1.12	.78	.62
◆522-FCX790ATA	FCX790ATA	SOT-89	-40	-2	1	250	-----	-0.5	-250	-0.5	-5	100	.70	.52	.36	.29
◆522-ZXT10P40DE6TA	ZXT10P40DE6TA	SOT-23-6	-40	-2	1.1	300	-----	-0.1	-40	-0.1	-10	190	.81	.60	.42	.33
522-ZTX1151A	ZTX1151A	E-Line	-40	-3	1	250	800	-0.5	-170	-0.5	-5	155	1.51	1.12	.78	.62
◆522-ZXT13P40DE6TA	ZXT13P40DE6TA	SOT-23-6	-40	-3	1.1	300	900	-1	-200	-1	-20	115	.97	.72	.50	.40
◆522-FZT790ATA	FZT790ATA	SOT-223	-40	-3	2	250	-----	-0.5	-250	-0.5	-5	100	1.19	.88	.62	.48
◆522-FCX1151ATA	FCX1151ATA	SOT-89	-40	-3	2.5	250	800	-0.5	-180	-0.5	-5	145	1.03	.76	.53	.42
◆522-FZT1151ATA	FZT1151ATA	SOT-223	-40	-5	2.5	270	1200	-1	-120	-1	-10	155	1.24	.92	.64	.51
◆522-ZX5T3ZTA	ZX5T3ZTATA	SOT-89	-40	-5.5	2.1	200	550	-0.5	-165	-1	-10	152	.82	.60	.42	.33
◆522-ZXTP2009ZTA	ZXTP2009ZTA	SOT-89	-40	-5.5	2.1	200	550	-0.5	-165	-1	-10	152	1.24	.92	.64	.51
◆522-BCW68HTA	BCW68HTA	SOT-23	-45	-0.8	0.33	250	630	-0.1	-300	-0.1	-10	100	.38	.28	.20	.15
522-ZTX550	ZTX550	E-Line	-45	-1	1	100	300	-0.15	-350	-0.15	-15	150	.76	.56	.39	.31
◆522-ZXT951KTC	ZXT951KTC	DPAK	-60	-6	4.2	100	300	-2	-90	-1	-100	120	2.24	1.66	1.16	.91
◆522-ZXT953KTC	ZXT953KTC	DPAK	-100	-5	4.2	100	300	-1	-100	-1	-100	125	2.24	1.66	1.16	.91
◆522-ZX5T955GTA	ZX5T955GTA	SOT-223	-140	-4	1.6	100	300	-1	-80	-0.5	-50	120	1.46	1.08	.76	.59

ZETEX DUAL PNP/NPN LOW SATURATION TRANSISTOR

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
◆522-ZDT749TA	ZDT749TA	SM-8	-25/-25	-2/-2	2.75/2.75	75/75	-----	-2/-2	-500/-500	-2/-2	-200/-200	-----	1.85	1.37	.96	.75

ZETEX DUAL NPN/PNP LOW SATURATION TRANSISTORS

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
◆ 522-ZXTD4591E6TA	ZXTD4591E6TA	SOT-23-6	60/-60	1/-1	1.1/1.1	100/100	-----	0.5/-0.5	0.25/-0.3	0.5/-0.5	50/-50	-----	.84	.62	.43	.34
◆ 522-ZXTD6717E6TA	ZXTD6717E6TA	SOT-23-6	15/-12	1.5/-1.25	1.1/1.1	200/200	-----	1/-0.5	0.2/-0.215	1/-1	10/-50	-----	.84	.62	.43	.34

ZETEX SINGLE NPN HIGH VOLTAGE TRANSISTORS

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
◆522-FMMT494TA	FMMT494TA	SOT-23	120	1	0.5	100	300	0.25	200	0.25	25	100	.41	.30	.21	.17
522-ZTX694B	ZTX694B	E-Line	120	1	1	400	-----	0.2	250	0.1	0.5	130	1.46	1.08	.76	.59
◆522-FZT694BTA	FZT694BTA	SOT-223	120	1	2	100	-----	0.2	250	0.1	0.5	130	1.19	.88	.62	.48
522-ZTX1055A	ZTX1055A	E-Line	120	3	1	300	1200	1	310	3	150	130	1.51	1.12	.78	.62
◆522-FMMT624TA	FMMT624TA	SOT-23	125	1	0.625	300	-----	0.2	220	0.5	10	100	.69	.51	.36	.28
◆522-FMMT455TA	FMMT455TA	SOT-23	140	1	0.5	100	300	0.15	700	0.15	15	100	.41	.30	.21	.17
522-ZTX455	ZTX455	E-Line	140	1	1	100	300	0.15	700	0.15	0.15	100	.76	.56	.39	.31
◆522-FMMT495TA	FMMT495TA	SOT-23	150	1	0.5	100	300	0.25	300	0.5	50	100	.41	.30	.21	.17
◆522-FMMT625TA	FMMT625TA	SOT-23	150	1	0.625	300	-----	0.2	200	0.1	1	100	.69	.51	.36	.28
522-ZTX655	ZTX655	E-Line	150	1	1	50	-----	0.5	500	0.5	50	30	1.24	.92	.64	.51
◆522-FCX495TA	FCX495TA	SOT-89	150	1	1	100	300	0.25	300	0.5	50	100	.57	.42	.29	.23
◆522-FZT655TA	FZT655TA	SOT-223	150	1	2	50	-----	0.5	500	0.5	50	30	.97	.72	.50	.40
522-ZTX855	ZTX855	E-Line	150	4	1.2	100	300	1	60	0.5	50	90	1.67	1.24	.87	.68
◆522-FZT855TA	FZT855TA	SOT-223	150	5	3	100	300	1	65	0.5	50	90	1.51	1.12	.78	.62
522-ZTX1056A	ZTX1056A	E-Line	160	3	1	300	1200	0.5	300	3	200	120	1.51	1.12	.78	.62
522-ZTX696B	ZTX696B	E-Line	180	0.5	1	500	-----	0.1	250	0.2	5	70	1.46	1.08	.76	.59
◆522-FZT696BTA	FZT696BTA	SOT-223	180	0.5	2	500	-----	0.1	250	0.2	5	70	1.19	.88	.62	.48
◆522-FMMTA42TA	FMMTA42TA	SOT-23	300	0.2	0.33	40	-----	0.03	500	0.02	2	50	.35	.26	.18	.14
◆522-FMMT497TA	FMMT497TA	SOT-23	300	0.5	0.5	80	300	0.1	200	0.1	10	75	.41	.30	.21	.17
522-ZTX657	ZTX657	E-Line	300	0.5	1	50	-----	0.1	500	0.1	10	30	1.24	.92	.64	.51
522-ZTX457	ZTX457	E-Line	300	0.5	1	50	300	0.05	300	0.1	10	75	.76	.56	.39	.31
◆522-FZTA42TA	FZTA42TA	SOT-223	300	0.5	2	40	-----	0.03	500	0.02	2	50	.59	.44	.31	.24
◆522-FZT657TA	FZT657TA	SOT-223	300	0.5	2	50	-----	0.1	500	0.1	10	30	.97	.72	.50	.40
◆522-FZT857TA	FZT857TA	SOT-223	300	3.5	3	100	300	0.5	230	2	200	80	1.51	1.12	.78	.62
◆522-FMMT458TA	FMMT458TA	SOT-23	400	0.225	0.5	100	300	0.1	500	0.1	6	50	.41	.30	.21	.17
◆522-FCX458TA	FCX458TA	SOT-89	400	0.225	1	100	300	0.05	500	0.05	6	50	.57	.42	.29	.23
522-ZTX458	ZTX458	E-Line	400	0.3	1	100	300	0.1	500	0.1	6	50	.76	.56	.39	.31
◆522-FZT458TA	FZT458TA	SOT-223	400	0.3	2	100	300	0.05	500	0.05	6	50	.92	.68	.48	.37
522-ZTX658	ZTX658	E-Line	400	0.5	1	50	-----	0.1	500	0.1	10	50	1.24	.92	.64	.51
◆522-FZT658TA	FZT658TA	SOT-223	400	0.5	2	50	-----	0.1	500	0.1	10	50	.97	.72	.50	.40
◆522-FMMT459TA	FMMT459TA	SOT-23	500	0.15	0.625	50	-----	0.03	75	0.02	2	50	.70	.52	.36	.28

ZETEX Bipolar Transistors

Products may be RoHS compliant. Check mouser.com for RoHS status.

ZETEX DUAL NPN/NPN HIGH VOLTAGE TRANSISTOR

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
◆ 522-ZDT694TA	ZDT694TA	SM-8	120/120	0.5/0.5	2.75/2.75	400/400	-----	0.2/0.2	500/500	0.4/0.4	5/5	-----	1.85	1.37	.96	.75

ZETEX SINGLE PNP HIGH VOLTAGE TRANSISTORS

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
◆ 522-FCX705TA	FCX705TA	SOT-89	-120	-1	1	3000	30000	-1	-1300	-1	-1	160	.70	.52	.36	.29
522-ZTX795A	ZTX795A	E-Line	-140	-0.5	1	250	-----	-0.2	-300	-0.2	-5	100	1.51	1.12	.78	.62
◆ 522-FZT795ATA	FZT795ATA	SOT-223	-140	-0.5	2	250	-----	-0.2	-300	-0.2	-5	100	1.19	.88	.62	.48
◆ 522-ZXTP23140BFHTA	ZXTP23140BFHTA	SOT-23	-140	-2.5	1.25	100	300	-1	-95	-1	-100	130	1.13	.84	.59	.46
522-ZTX955	ZTX955	E-Line	-140	-3	1.2	100	300	-1	-330	-3	-300	110	1.67	1.24	.87	.68
◆ 522-ZXTP2014ZTA	ZXTP2014ZTA	SOT-89	-140	-3	2.1	100	300	-1	-75	-0.5	-50	120	1.24	.92	.64	.51
◆ 522-ZXTP2014GTA	ZXTP2014GTA	SOT-223	-140	-4	3	100	300	-1	-80	-0.5	-50	120	1.35	1.00	.70	.55
◆ 522-FMMT555TA	FMMT555TA	SOT-23	-150	-1	0.5	50	300	-0.3	-300	-0.1	-10	100	.41	.30	.21	.17
522-ZTX555	ZTX555	E-Line	-150	-1	1	50	300	-0.3	-300	-0.1	-10	100	.76	.56	.39	.31
522-ZTX755	ZTX755	E-Line	-150	-1	1	50	-----	-0.5	-500	-1	-200	100	1.24	.92	.64	.51
◆ 522-FZT755TA	FZT755TA	SOT-223	-150	-1	2	50	-----	-0.5	-500	-1	-200	100	1.04	.77	.54	.42
◆ 522-FMMT596TA	FMMT596TA	SOT-23	-200	-0.3	0.5	85	300	-0.25	-350	-0.25	-25	150	.49	.36	.25	.20
◆ 522-FCX596TA	FCX596TATA	SOT-89	-200	-0.3	1	85	300	-0.25	-350	-0.25	-25	150	.57	.42	.29	.23
522-ZTX796A	ZTX796A	E-Line	-200	-0.5	1	250	-----	-0.3	-300	-0.2	-20	100	1.46	1.08	.76	.59
◆ 522-FZT796ATA	FZT796ATA	SOT-223	-200	-0.5	2	250	-----	-0.3	-300	-0.2	-20	100	1.19	.88	.62	.48
522-ZTX576	ZTX576	E-Line	-200	-1	1	50	300	-0.3	-300	-0.1	-10	100	.76	.56	.39	.31
◆ 522-FZT956TA	FZT956TA	SOT-223	-200	-2	3	100	300	-1	-275	-2	-400	110	1.62	1.20	.84	.66
◆ 522-FMMTA92TA	FMMTA92TA	SOT-23	-300	-0.2	0.33	0.25	-----	-0.03	-500	-0.02	-2	50	.35	.26	.18	.14
◆ 522-BST16TA	BST16TA	SOT-89	-300	-0.5	1	30	150	-0.05	-500	-0.03	-3	15	.53	.40	.28	.22
522-ZTX757	ZTX757	E-Line	-300	-0.5	1	40	-----	-0.01	-500	-0.1	-10	30	.97	.72	.50	.40
522-ZTX557	ZTX557	E-Line	-300	-0.5	1	50	300	-0.05	-500	-0.05	-5	75	.76	.56	.39	.31
◆ 522-FZTA92TA	FZTA92TA	SOT-223	-300	-0.5	2	25	-----	-0.03	-500	-0.02	-2	50	.59	.44	.31	.24
◆ 522-FZT757TA	FZT757TA	SOT-223	-300	-0.5	2	40	-----	-0.01	-500	-0.1	-10	30	1.04	.77	.54	.42
◆ 522-FZT957TA	FZT957TA	SOT-223	-300	-1	3	100	300	-0.5	-240	-1	-300	85	1.62	1.20	.84	.66
◆ 522-FMMT558TA	FMMT558TA	SOT-23	-400	-0.15	0.5	100	300	-0.05	-500	-0.05	-6	50	.41	.30	.21	.17
522-ZTX558	ZTX558	E-Line	-400	-0.2	1	100	300	-0.05	-500	-0.05	-6	50	.76	.56	.39	.31
◆ 522-FCX558TA	FCX558TA	SOT-89	-400	-0.2	1	100	300	-0.05	-500	-0.05	-6	50	.57	.42	.29	.23
◆ 522-FZT558TA	FZT558TA	SOT-223	-400	-0.2	2	100	300	-0.05	-500	-0.05	-6	50	.92	.68	.48	.37
522-ZTX758	ZTX758	E-Line	-400	-0.5	1	50	-----	-0.1	-500	-0.1	-10	50	1.24	.92	.64	.51
522-ZTX958	ZTX958	E-Line	-400	-0.5	1.2	100	300	-0.5	-400	-0.5	-100	85	1.67	1.24	.87	.68
◆ 522-FZT958TA	FZT958TA	SOT-223	-400	-0.5	3	100	300	-0.5	-400	-0.5	-100	85	1.62	1.20	.84	.66
◆ 522-FMMT560TA	FMMT560TA	SOT-23	-500	-0.15	0.5	80	-----	-0.05	-200	-0.02	-2	60	.59	.44	.31	.24
522-ZTX560	ZTX560	E-Line	-500	-0.15	1	80	-----	-0.05	-200	-0.02	-2	60	.89	.66	.46	.36
◆ 522-FZT560TA	FZT560TA	SOT-223	-500	-0.15	2	80	-----	-0.05	-200	-0.02	-2	60	1.03	.76	.53	.42

ZETEX DUAL PNP/PNP HIGH VOLTAGE TRANSISTORS

◆ Surface Mount

◆ 522-ZDT795ATA	ZDT795ATA	SM-8	-140/-140	-0.5/-0.5	2.75/2.75	250/250	-----	-0.2/-0.2	-300/-300	-0.2/-0.2	-5/-5	-----	1.85	1.37	.96	.75
◆ 522-ZDT758TA	ZDT758TA	SM-8	-400/-400	-0.5/-0.5	2.75/2.75	50/50	-----	-0.1/-0.1	-500/-500	-0.1/-0.1	-10/-10	-----	1.67	1.24	.87	.68

ZETEX DUAL NPN/PNP HIGH VOLTAGE TRANSISTOR

◆ Surface Mount

◆ 522-ZDT6758TA	ZDT6758TA	SM-8	400/-400	0.5/-0.5	2.75/2.75	50/50	-----	0.1/-0.1	500/-500	0.1/-0.1	10/-10	-----	1.67	1.24	.87	.68

ZETEX SINGLE NPN DARLINGTON TRANSISTORS

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
◆ 522-FZTA14TA	FZTA14TA	SOT-223	30	1	2	5k	-----	1	1.6	1	1	170	.59	.44	.31	.24
◆ 522-FMMTA13TA	FMMTA13TA	SOT-23	40	0.3	0.33	10k	-----	0.1	0.9	0.1	0.1	-----	.35	.26	.18	.14
◆ 522-FMMTA14TA	FMMTA14TA	SOT-23	40	0.3	0.33	20k	-----	0.1	0.9	0.1	0.1	-----	.35	.26	.18	.14
◆ 522-FMMT38CTA	FMMT38CTA	SOT-23	60	0.3	0.33	10k	-----	0.5	1.25	0.8	8	100	.38	.28	.20	.15
◆ 522-BST52TA	BST52TA	SOT-89	80	0.5	1	2k	-----	0.5	1.3	0.5	0.5	-----	.43	.32	.22	.18
◆ 522-FZT603TA	FZT603TA	SOT-223	80	2	2	2k	100k	2	1	1	1	150	.97	.72	.50	.40
522-ZTX614	ZTX614	E-Line	100	0.8	1	10k	-----	0.5	1.25	0.8	8	-----	.76	.56	.39	.31
◆ 522-FMMT614TA	FMMT614TA	SOT-23	100	0.9	0.5	5k	-----	0.5	1	0.5	5	100	.49	.36	.25	.20
◆ 522-FMMT634TA	FMMT634TA	SOT-23	100	0.9	0.625	15k	-----	1	0.96	1	5	140	.69	.51	.36	.28
522-ZTX605	ZTX605	E-Line	120	1	1	2k	100k	1	1.5	1	1	150	1.24	.92	.64	.51
◆ 522-FZT605TA	FZT605TA	SOT-223	120	2	2	2k	100k	1	1.5	1	1	150	.97	.72	.50	.40
◆ 522-FZT600BTA	FZT600BTA	SOT-223	140	2	2	2k	100k	0.5	1.2	1	10	150	.97	.72	.50	.40
◆ 522-FZT600TA	FZT600TA	SOT-223	140	2	2	2k	100k	0.5	1.2	1	10	150	.97	.72	.50	.40
522-ZTX601A	ZTX601A	E-Line	160	1	1	2k	100k	0.5	1.2	1	10	150	1.24	.92	.64	.51
522-ZTX601B	ZTX601B	E-Line	160	1	1	10k	100k	0.5	1.2	1	10	250	1.24	.92	.64	.51
522-ZTX601	ZTX601	E-Line	160	1	1	2k	100k	0.5	1.2	1	10	150	1.24	.92	.64	.51

ZETEX SINGLE PNP DARLINGTON TRANSISTORS

◆ Surface Mount

522-ZTX705	ZTX705	E-Line	-120	-1	1	3k	-----	-1	-1.3	-1	-1	160	1.24	.92	.64	.51
◆ 522-FZT705TA	FZT705TA	SOT-223	-120	-2	2	3k	-----	-1	-1.3	-1	-1	160	1.04	.77	.54	.42

ZETEX DUAL NPN/PNP DARLINGTON TRANSISTOR

RoHS Compliant

◆ Surface Mount

◆ 522-ZDT6718TA	ZDT6718TA	SM-8	20/-20	2/-1.5	2.5/2.5	200/150	-----	2/-2	0.2/-0.22	2.5/-1.5	50/-50	-----	1.85	1.37	.96	.75

ZETEX NPN PLANAR AVALANCHE TRANSISTORS

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	V_{CBO} (V)	I_C (A)	P_D (W)	I_{SB}		h_{FE}		f_T		Price Each			
							(A)	@ I_C (A)	Min.	@ I_C (mA)	(MHz)	@ I_C (mA)	1	25	100	250
◆ 522-FMMT413TA	FMMT413TA	SOT-23	150	50	50	0.33	31	130	50	10	150	10	9.32	5.16	4.47	3.44
522-ZTX415	ZTX415	E-Line	260	100	60	0.68	25	250	25	10	40	10	23.91	17.71	12.40	9.74

ZETEX DUAL NPN/PNP HIGH GAIN TRANSISTORS

RoHS Compliant

◆ Surface Mount

MOUSER STOCK NO.	Zetex Part No.	Package	V_{CEO} (V)	I_C (A)	P_D (W)	h_{FE}			V_{CE} (sat)			f_T (MHz)	Price Each			
						Min.	Max.	@ I_C (A)	Max. (mV)	@ I_C (mA)	@ I_B (mA)		1	25	100	250
◆ 522-ZDT6790TA	ZDT6790TA	SM-8	45/-40	2/-2	2.75/2.75	150/150	-----	2/-2	0.5/-0.45	1/-1	5/-10	-----	1.85	1.37	.96	.75

ALD Precision Matched Small Signal MOSFET Arrays

RoHS Compliant **This page of product is compliant.**

ADVANCED
LINEAR
DEVICES, INC.

- Low Threshold Voltage
- Patented EPAD® Technology
- Near Infinite Current Gain
- Ideal Current Sources and Current Mirrors
- Temperature Range: 0 to 70°C
- Drain Source Breakdown: 10V Min.
- Drain Source on Resistance Match: 0.5% Typ.
- Low Voltage and Nanopower Circuits

ALD N-CHANNEL ENHANCEMENT MODE

◆ **Surface Mount**

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Description	Package	Threshold Voltage Typ. (V)	Threshold Voltage Tolerance (±) (V)	Offset Voltage Max. (mV)	On Drain Current Min. (mA)	Gate Input Leakage Current Max. (pA)	Drain Source On Resistance Max. (Ω)	Drain Source Leakage Current Max. (nA)	Price Each		
Mfr.	Mfr. Part No.										1	25	100
585—	ALD1101APAL	Dual N-Channel Matched Pair MOSFET	DIP-8	0.7	0.3	2	25	50	75	4	4.38	3.48	2.78
◆585—	ALD1101ASAL	Dual N-Channel Matched Pair MOSFET	SO-8	0.7	0.3	2	25	50	75	4	4.38	3.48	2.78
585—	ALD1101PAL	Dual N-Channel Matched Pair MOSFET	DIP-8	0.7	0.3	10	25	50	75	4	2.69	2.14	1.71
◆585—	ALD1101SAL	Dual N-Channel Matched Pair MOSFET	SO-8	0.7	0.3	10	25	50	75	4	2.85	2.26	1.81
585—	ALD1106PBL	Quad N-Channel Matched Pair MOSFET Array	DIP-14	0.7	0.3	10	3	10	500	0.4	1.69	1.34	1.07
◆585—	ALD1106SBL	Quad N-Channel Matched Pair MOSFET Array	SO-14	0.7	0.3	10	3	10	500	0.4	1.76	1.39	1.12
585—	ALD110802PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.2	0.02	10	3	30	500	0.1	2.37	1.88	1.51
◆585—	ALD110802SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.2	0.02	10	3	30	500	0.1	2.37	1.88	1.51
585—	ALD110804PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.4	0.2	10	3	100	500	0.4	2.21	1.76	1.41
◆585—	ALD110804SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.4	0.2	10	3	100	500	0.4	2.14	1.70	1.36
585—	ALD110808PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.8	0.02	10	3	30	500	0.1	1.98	1.57	1.26
◆585—	ALD110808SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.8	0.02	10	3	30	500	0.1	1.98	1.57	1.26
585—	ALD110808APCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.8	0.02	2	3	30	500	0.1	2.81	2.03	1.79
◆585—	ALD110808ASCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.8	0.02	2	3	30	500	0.1	2.81	2.03	1.79
585—	ALD110814PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	1.4	0.04	10	3	30	500	0.1	2.21	1.76	1.41
◆585—	ALD110814SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	1.4	0.04	10	3	30	500	0.1	2.14	1.70	1.36
585—	ALD110902PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.2	0.02	10	3	30	500	0.1	1.80	1.43	1.15
◆585—	ALD110902SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.2	0.02	10	3	30	500	0.1	1.80	1.43	1.15
585—	ALD110904PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.4	0.2	10	3	100	500	0.4	1.25	1.00	.80
◆585—	ALD110904SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.4	0.2	10	3	100	500	0.4	1.30	1.03	.83
585—	ALD110908PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.8	0.02	10	3	30	500	0.1	1.05	.83	.67
◆585—	ALD110908SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.8	0.02	10	3	30	500	0.1	1.23	.98	.78
585—	ALD110908APAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.8	0.02	2	3	30	500	0.1	1.46	1.06	.93
◆585—	ALD110908ASAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.8	0.02	2	3	30	500	0.1	1.50	1.08	.96
585—	ALD110914PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	1.4	0.04	10	3	30	500	0.1	1.25	.90	.79
◆585—	ALD110914SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	1.4	0.04	10	3	30	500	0.1	1.30	.93	.82
585—	ALD1116PAL	Dual N-Channel Matched Pair MOSFET	DIP-8	0.7	0.3	10	3	10	500	0.4	1.48	1.18	.94
◆585—	ALD1116SAL	Dual N-Channel Matched Pair MOSFET	SO-8	0.7	0.3	10	3	10	500	0.4	1.48	1.18	.94
◆585—	ALD111933MAL	Dual N-Channel Matched Pair MOSFET	MSOP-8	3.3	0.05	20	3	100	500	0.4	1.30	.93	.82
585—	ALD111933PAL	Dual N-Channel Matched Pair MOSFET	DIP-8	3.3	0.05	20	3	100	500	0.4	1.25	.90	.79
◆585—	ALD111933SAL	Dual N-Channel Matched Pair MOSFET	SO-8	3.3	0.05	20	3	100	500	0.4	1.30	.93	.82
585—	ALD1121EPAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	1	0.01	5	3	100	500	0.4	1.48	1.18	.94
◆585—	ALD1121ESAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	1	0.01	5	3	100	500	0.4	1.48	1.18	.94
585—	ALD1123EPCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	1	0.01	5	3	100	500	0.4	2.46	1.95	1.57
◆585—	ALD1123ESCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	1	0.01	5	3	100	500	0.4	2.46	1.95	1.57

ALD P-CHANNEL ENHANCEMENT MODE

◆ **Surface Mount**

For quantities of 250 and up, call for quote.

585—	ALD1102PAL	Dual P-Channel Matched Pair MOSFET	DIP-8	-0.8	0.4	10	-8	50	270	4	1.83	1.71	1.59
◆585—	ALD1102SAL	Dual P-Channel Matched Pair MOSFET	SO-8	-0.8	0.4	10	-8	50	270	4	2.85	2.26	1.81
585—	ALD1102APAL	Dual P-Channel Matched Pair MOSFET	DIP-8	-0.8	0.4	2	-8	50	270	4	4.38	3.48	2.78
◆585—	ALD1102ASAL	Dual P-Channel Matched Pair MOSFET	SO-8	-0.8	0.4	2	-8	50	270	4	4.38	3.48	2.78
585—	ALD1107PBL	Quad P-Channel Matched Pair MOSFET Array	DIP-14	-0.7	0.3	10	-1.3	10	1800	0.4	1.69	1.34	1.07
◆585—	ALD1107SBL	Quad P-Channel Matched Pair MOSFET Array	SO-14	-0.7	0.3	10	-1.3	10	1800	0.4	1.76	1.39	1.12
585—	ALD1117PAL	Dual P-Channel Matched Pair MOSFET	DIP-8	-0.7	0.3	10	-1.3	10	1800	0.4	1.48	1.18	.94
◆585—	ALD1117SAL	Dual P-Channel Matched Pair MOSFET	SO-8	-0.7	0.3	10	-1.3	10	1800	0.4	1.48	1.18	.94

ALD COMPLEMENTARY N-CHANNEL & P-CHANNEL ENHANCEMENT MODE

◆ **Surface Mount**

For quantities of 250 and up, call for quote.

585—	ALD1103PBL	Dual N-Channel & Dual P-Channel Matched Pair MOSFET	DIP-14	0.7/-0.7	0.3 / 0.3	10	25/-8	50	75/270	4	3.17	2.52	2.02
◆585—	ALD1103SBL	Dual N-Channel & Dual P-Channel Matched Pair MOSFET	SO-14	0.7/-0.7	0.3 / 0.3	10	25/-8	50	75/270	4	3.17	2.52	2.02
585—	ALD1105PBL	Dual N-Channel & Dual P-Channel Matched Pair MOSFET	DIP-14	0.7/-0.7	0.3 / 0.3	10	3/-1.3	50	500/1800	0.4	1.98	1.57	1.26
◆585—	ALD1105SBL	Dual N-Channel & Dual P-Channel Matched Pair MOSFET	SO-14	0.7/-0.7	0.3 / 0.3	10	3/-1.3	50	500/1800	0.4	1.98	1.57	1.26
◆585—	ALD1115MAL	Complementary N-Channel & P-Channel MOSFET	MSOP-8	0.7/-0.7	0.3	10	3/-1.3	50	500/1800	0.4	1.48	1.18	.94
585—	ALD1115PAL	Complementary N-Channel & P-Channel MOSFET	DIP-8	0.7/-0.7	0.3	10	3/-1.3	50	500/1800	0.4	1.48	1.18	.94
◆585—	ALD1115SAL	Complementary N-Channel & P-Channel MOSFET	SO-8	0.7/-0.7	0.3	10	3/-1.3	50	500/1800	0.4	1.48	1.18	.94

ALD N-CHANNEL ZERO THRESHOLD MODE

◆ **Surface Mount**

For quantities of 250 and up, call for quote.

585—	ALD110800PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.0	0.02	10	3	30	500	0.1	2.37	1.88	1.51
◆585—	ALD110800SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.0	0.02	10	3	30	500	0.1	2.37	1.88	1.51
585—	ALD110800APCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	0.0	0.01	2	3	30	500	0.1	3.08	2.21	1.96
◆585—	ALD110800ASCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	0.0	0.01	2	3	30	500	0.1	3.01	2.18	1.91
585—	ALD110900PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.0	0.02	10	3	30	500	0.1	1.80	1.43	1.15
◆585—	ALD110900SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.0	0.02	10	3	30	500	0.1	1.80	1.43	1.15
585—	ALD110900APAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	0.0	0.01	2	3	30	500	0.1	2.35	1.70	1.49
◆585—	ALD110900ASAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	0.0	0.01	2	3	30	500	0.1	2.35	1.70	1.49

ALD N-CHANNEL DEPLETION MODE

◆ **Surface Mount**

For quantities of 250 and up, call for quote.

585—	ALD114804PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	-0.4	0.04	20	3	30	75	0.1	2.37	1.88	1.51
◆585—	ALD114804SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	-0.4	0.04	20	3	30	75	0.1	2.37	1.88	1.51
585—	ALD114804APCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	-0.4	0.02	5	3	30	75	0.1	3.08	2.44	1.96
◆585—	ALD114804ASCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	-0.4	0.02	5	3	30	75	0.1	3.08	2.44	1.96
585—	ALD114813PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	-1.3	0.04	20	3	30	75	0.1	2.37	1.88	1.51
◆585—	ALD114813SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	-1.3	0.04	20	3	30	75	0.1	2.37	1.88	1.51
585—	ALD114835PCL	Quad N-Channel EPAD Matched Pair MOSFET Array	DIP-16	-3.5	0.05	20	3	30	75	0.1	2.60	2.06	1.65
◆585—	ALD114835SCL	Quad N-Channel EPAD Matched Pair MOSFET Array	SO-16	-3.5	0.05	20	3	30	75	0.1	2.60	2.06	1.65
585—	ALD114904PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	-0.4	0.04	20	3	30	75	0.1	1.80	1.43	1.15
◆585—	ALD114904SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	-0.4	0.04	20	3	30	75	0.1	1.80	1.43	1.15
585—	ALD114904APAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	-0.4	0.02	5	3	30	75	0.1	2.21	1.76	1.41
◆585—	ALD114904ASAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	-0.4	0.02	5	3	30	75	0.1	2.21	1.76	1.41
585—	ALD114913PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	-1.3	0.04	20	3	30	75	0.1	1.80	1.43	1.15
◆585—	ALD114913SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	-1.3	0.04	20	3	30	75	0.1	1.80	1.43	1.15
585—	ALD114935PAL	Dual N-Channel EPAD Matched Pair MOSFET	DIP-8	-3.5	0.05	20	3	30	75	0.1	1.98	1.57	1.26
◆585—	ALD114935SAL	Dual N-Channel EPAD Matched Pair MOSFET	SO-8	-3.5	0.05	20	3	30	75	0.1	1.98	1.57	1.26

FAIRCHILD Power MOSFETs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD LOW POWER MOSFETS

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS=				Qg nC	ID A	PD W	Price Each			
				10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)				1	25	100	250
Single P-Channel														
◆512-FDS7079ZN3	FDS7079ZN3	SO-8	-30	0.0075	0.0115	-	-	39	16	3.13	1.40	1.12	.84	.80
◆512-FDS9435A	FDS9435A	SO-8	-30	0.05	0.08	-	-	10	5.3	2.5	.64	.49	.37	.31
◆512-NDS9435A	NDS9435A	SO-8	-30	0.05	0.08	-	-	10	5.3	2.5	.79	.67	.50	.47
◆512-NDT456P	NDT456P	SOT-223	-30	0.03	0.045	-	-	47	7.5	3	1.53	1.22	.92	.92
◆512-FDN358P	FDN358P	SOT-23	-30	0.125	0.2	-	-	4	1.5	0.5	.41	.34	.26	.21
◆512-NDS352AP	NDS352AP	SOT-23	-30	0.3	0.5	-	-	2	0.9	0.5	.44	.37	.27	.26
◆512-NDS356AP	NDS356AP	SOT-23	-30	0.2	0.3	-	-	3.4	1.1	0.5	.47	.41	.31	.28
◆512-FDW256P	FDW256P	TSSOP-8	-30	0.0135	0.02	-	-	28	8	1.3	2.16	1.89	1.57	1.13
◆512-FDV302P	FDV302P	SOT-23	-25	-	10	13	-	0.22	0.12	0.35	.17	.15	.13	.09
◆512-FDV304P	FDV304P	SOT-23	-25	-	1.1	1.5	-	1.1	0.46	0.35	.42	.42	.31	.22
◆512-FDZ202P	FDZ202P	BGA-12	-20	-	0.045	0.075	-	9	5.5	2	1.18	1.04	.86	.62
◆512-FDZ204P	FDZ204P	BGA-6	-20	-	0.045	0.075	-	9	4.5	1.8	.88	.77	.64	.46
◆512-FDZ299P	FDZ299P	BGA-7	-20	-	0.055	0.08	-	6.6	4.6	1.7	.88	.77	.64	.46
◆512-FDN338P	FDN338P	SOT-23	-20	-	0.115	0.155	-	4.4	1.6	0.5	.52	.42	.30	.22
◆512-NDS332P	NDS332P	SOT-23	-20	-	0.3	0.41	-	3.7	1	0.5	.37	.32	.27	.23
◆512-FDC697P	FDC697P	SSOT-6	-20	-	0.02	0.025	0.035	39	8	1.9	2.12	1.86	1.54	1.11
◆512-FDC638P	FDC638P	SSOT-6	-20	-	0.048	0.065	-	10	4.5	1.6	.60	.48	.36	.29
512-NDP6020P	NDP6020P	TO-220	-20	-	0.05	0.075	-	25	24	60	1.55	1.33	1.11	.93
◆512-FDB6021P	FDB6021P	TO-263	-20	-	0.03	0.04	0.065	20	28	37	1.22	1.07	.89	.64
◆512-NDB6020P	NDB6020P	TO-263	-20	-	0.05	0.075	-	25	24	60	1.30	1.12	.93	.78
◆512-FDW252P	FDW252P	TSSOP-8	-20	-	0.0125	0.018	-	41	8.8	1.3	1.20	1.05	.87	.63
◆512-FDW254P	FDW254P	TSSOP-8	-20	-	0.012	0.015	0.0215	60	9.2	1.3	1.20	1.05	.87	.63
◆512-FDW262P	FDW262P	TSSOP-8	-20	-	0.047	0.065	0.1	13	4.5	1.3	.86	.76	.63	.45
Single N-Channel														
◆512-FDZ201N	FDZ201N	BGA-12	20	-	0.018	0.03	-	11	9	2	1.26	1.05	.84	.63
◆512-FDZ203N	FDZ203N	BGA-6	20	-	0.018	0.03	-	11	7.5	1.6	1.24	1.09	.90	.65
◆512-FDG311N	FDG311N	SC70-6	20	-	0.115	0.15	-	3	1.9	0.75	.47	.41	.34	.24
◆512-FDS6064N3	FDS6064N3	SO-8	20	-	0.004	0.005	0.007	70	23	3	1.53	1.22	.92	.89
◆512-FDS6162N7	FDS6162N7	SO-8	20	-	0.0035	0.005	-	52	23	3	1.74	1.39	1.04	1.00
◆512-FDN335N	FDN335N	SOT-23	20	-	0.07	0.1	-	3.5	1.7	0.5	.40	.32	.24	.17
◆512-FDV305N	FDV305N	SOT-23	20	-	0.22	0.3	-	1.1	0.9	0.35	.47	.41	.34	.24
◆512-NDS331N	NDS331N	SOT-23	20	-	0.16	0.21	-	3.5	1.3	0.5	.38	.32	.27	.23
◆512-NDS335N	NDS335N	SOT-23	20	-	0.11	0.14	-	6.4	1.7	0.5	.39	.33	.28	.24
512-FDU6512A	FDU6512A	TO-251	20	-	0.021	0.031	-	12	36	43	1.56	1.37	1.13	.82
◆512-FDD6530A	FDD6530A	TO-252	20	-	0.032	0.047	-	6.5	21	33	.84	.74	.61	.44
◆512-FDV301N	FDV301N	SOT-23	25	-	4	5	-	0.49	0.22	0.35	.13	.12	.10	.07
◆512-FDV303N	FDV303N	SOT-23	25	-	0.45	0.6	-	1.64	0.68	0.35	.33	.26	.17	.13
◆512-FDZ5047N	FDZ5047N	BGA-36	30	0.0029	0.0045	-	-	52	22	2.8	5.00	4.38	3.63	2.63
◆512-FDS6670A	FDS6670A	SO-8	30	0.008	0.01	-	-	21	13	2.5	1.52	1.21	.91	.91
◆512-FDS6680A	FDS6680A	SO-8	30	0.0095	0.013	-	-	16	12.5	2.5	1.24	1.03	.82	.75
◆512-FDS6690A	FDS6690A	SO-8	30	0.0125	0.017	-	-	12	11	2.5	.78	.60	.45	.36
◆512-FDS7060N7	FDS7060N7	SO-8	30	0.005	0.007	-	-	35	19	3	1.39	1.11	.83	.80
◆512-FDS7066N3	FDS7066N3	SO-8	30	0.0055	0.0065	-	-	43	23	3	2.24	1.96	1.62	1.18
◆512-FDS7082N3	FDS7082N3	SO-8	30	0.006	0.008	-	-	38	17.5	3	1.60	1.40	1.16	.84
◆512-FDS7088N7	FDS7088N7	SO-8	30	0.003	0.004	-	-	37	23	3	1.75	1.40	1.05	.98
◆512-FDS7096N3	FDS7096N3	SO-8	30	0.009	0.012	-	-	16	14	3	1.11	.93	.74	.74
◆512-FDN337N	FDN337N	SOT-23	30	-	0.065	0.082	-	7	2.2	0.5	.58	.47	.34	.24
◆512-FDN357N	FDN357N	SOT-23	30	0.06	0.09	-	-	4.2	1.9	0.5	.47	.39	.29	.25
◆512-NDS351AN	NDS351AN	SOT-23	30	0.16	0.25	-	-	1.3	1.4	0.5	.29	.25	.21	.18
◆512-NDS355AN	NDS355AN	SOT-23	30	0.085	0.125	-	-	3.5	1.7	0.5	.42	.36	.27	.21
◆512-FDC796N	FDC796N	SSOT-6	30	0.009	0.012	-	-	14	12.5	1.8	1.32	1.10	.88	.88
◆512-NDC651N	NDC651N	SSOT-6	30	0.06	0.09	-	-	10	3.2	1.6	.68	.59	.44	.41
◆512-FDR4420A	FDR4420A	SSOT-8	30	0.009	0.013	-	-	23	11	1.8	1.26	1.05	.84	.84
512-FDP6030BL	FDP6030BL	TO-220	30	0.018	0.024	-	-	12	40	60	1.29	1.13	.93	.68
512-FDP6035AL	FDP6035AL	TO-220	30	0.0125	0.017	-	-	17	48	58	1.32	1.16	.96	.70
512-FDP7030BL	FDP7030BL	TO-220	30	0.009	0.012	-	-	17	60	60	1.63	1.42	1.18	.85
512-FDP8030L	FDP8030L	TO-220	30	0.0035	0.0045	-	-	120	80	187	7.93	6.94	2.31	2.31
◆512-FDD6670A	FDD6670A	TO-252	30	0.008	0.01	-	-	18	66	63	1.45	1.20	.97	.96
◆512-FDB6030BL	FDB6030BL	TO-263	30	0.018	0.024	-	-	12	40	60	1.29	1.13	.93	.68
Dual P-Channel														
◆512-FDS9953A	FDS9953A	SO-8	-30	0.13	0.2	-	-	2.5	2.9	2	.99	.87	.72	.52
◆512-FDC6506P	FDC6506P	SSOT-6	-30	0.17	0.28	-	-	2.3	1.8	0.96	.58	.44	.33	.33
◆512-FDG6302P	FDG6302P	SC70-6	-25	-	10	13	-	0.22	0.14	0.3	.26	.23	.19	.14
◆512-FDG6304P	FDG6304P	SC70-6	-25	-	1.1	1.5	-	1.1	0.41	0.3	.45	.36	.27	.24
◆512-FDC6302P	FDC6302P	SSOT-6	-25	-	10	13	-	0.22	0.12	0.9	.43	.37	.31	.22
◆512-FDG6306P	FDG6306P	SC70-6	-20	-	0.42	0.63	-	1.4	0.6	0.3	.43	.37	.31	.22
◆512-FDG6308P	FDG6308P	SC70-6	-20	-	0.4	0.55	0.8	1.8	0.6	0.3	.60	.52	.43	.31
◆512-FDS9933A	FDS9933A	SO-8	-20	-	0.075	0.105	-	8	3.8	2	1.20	1.05	.87	.63
◆512-FDC6306P	FDC6306P	SSOT-6	-20	-	0.17	0.25	-	3	1.9	0.96	.48	.38	.29	.23
◆512-FDC6310P	FDC6310P	SSOT-6	-20	-	0.125	0.19	-	3.7	2.2	0.96	.59	.52	.43	.31
◆512-FDC6312P	FDC6312P	SSOT-6	-20	-	0.115	0.155	0.225	4.4	2.3	0.96	.43	.36	.27	.19
◆512-FDW2504P	FDW2504P	TSSOP-8	-20	-	0.043	0.07	-	9.7	3.8	1	1.20	1.05	.87	.63
◆512-FDW2506P	FDW2506P	TSSOP-8	-20	-	0.022	0.033	-	21	5.3	1	1.58	1.39	1.15	.83
◆512-FDG6316P	FDG6316P	SC70-6	-12	-	0.27	0.36	0.65	1.7	0.7	0.3	.41	.36	.30	.21
◆512-FDW2508P	FDW2508P	TSSOP-8	-12	-	0.018	0.022	0.03	26	6	1.3	1.34	1.18	.97	.71

FAIRCHILD Power MOSFETs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD LOW POWER MOSFETS (CONT.)

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS=				Qg nC	ID A	PD W	Price Each			
				10V (Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)				1	25	100	250
Dual N-Channel														
◆ 512-FDS9926A	FDS9926A	SO-8	20	-	0.03	0.043	-	6.2	6.5	2	.69	.53	.40	.34
◆ 512-FDC6401N	FDC6401N	SSOT-6	20	-	0.07	0.095	-	3.3	3	0.96	.48	.40	.30	.21
◆ 512-FDW2501N	FDW2501N	TSSOP-8	20	-	0.018	0.028	-	14	6	1	1.06	.92	.77	.55
◆ 512-FDW9926A	FDW9926A	TSSOP-8	20	-	0.032	0.045	-	6.1	4.5	1	.67	.59	.49	.35
◆ 512-FDG6301N	FDG6301N	SC70-6	25	-	4	5	-	0.29	0.22	0.3	.43	.34	.26	.21
◆ 512-FDG6303N	FDG6303N	SC70-6	25	-	0.45	0.6	-	1.64	0.5	0.3	.43	.34	.26	.21
◆ 512-FDC6301N	FDC6301N	SSOT-6	25	-	4	5	-	0.49	0.22	0.9	.43	.36	.27	.22
◆ 512-FDC6303N	FDC6303N	SSOT-6	25	-	0.45	0.6	-	1.64	0.68	0.9	.43	.36	.27	.22
◆ 512-FDS6912A	FDS6912A	SO-8	30	0.028	0.035	-	-	5.8	6	1.6	.94	.78	.63	.63
◆ 512-FDS6930A	FDS6930A	SO-8	30	0.04	0.055	-	-	5	5.5	2	.82	.62	.46	.46
◆ 512-FDS6961A	FDS6961A	SO-8	30	0.09	0.14	-	-	2.1	3.5	2	.80	.70	.58	.42
◆ 512-FDS6990A	FDS6990A	SO-8	30	0.018	0.023	-	-	12	7.5	1.6	.82	.76	.61	.61
◆ 512-NDS9956A	NDS9956A	SO-8	30	0.08	0.11	-	-	9.5	3.7	2	.90	.75	.60	.60
◆ 512-FDC6561AN	FDC6561AN	SSOT-6	30	0.095	0.145	-	-	2.1	2.5	0.9	.50	.38	.28	.28
SyncFET - N-Channel														
◆ 512-FDS6680S	FDS6680S	SO-8	30	0.011	0.017	-	-	17	11.5	2.5	1.44	1.26	1.04	.76
◆ 512-FDS7064SN3	FDS7064SN3	SO-8	30	0.008	0.0095	-	-	25	16	3.13	1.20	1.00	.80	.75
◆ 512-FDS7764S	FDS7764S	SO-8	30	0.0075	0.009	-	-	25	13.5	2.5	2.16	1.89	1.57	1.13
◆ 512-FDN372S	FDN372S	SOT-23	30	0.04	0.05	-	-	5.8	2.6	0.5	.46	.40	.33	.24
Dual (MOSFET & SyncFET) N-Channel														
◆ 512-FDS6982S	FDS6982S	SO-8	30	0.016	0.022	-	-	17.5	8.6	2	1.72	1.51	1.25	.90
◆ 512-FDS6984S	FDS6984S	SO-8	30	0.019	0.028	-	-	11	8.5	2	1.25	1.09	.90	.66
◆ 512-FDS6994S	FDS6994S	SO-8	30	0.021	0.026	-	-	8	6.9	2	2.21	1.93	1.60	1.16
Dual Common Drain - N-Channel														
◆ 512-FDW2507N	FDW2507N	TSSOP-8	20	-	0.019	0.023	-	20	7.5	1.6	1.44	1.26	1.04	.76
Complementary N & P Channel														
◆ 512-FDC6420C	FDC6420C	SSOT-6	20	-	0.07	0.095	-	3.3	3	0.96	.63	.55	.46	.33
			-20	-	0.125	0.19	-	3.7	2.2	0.96				
◆ 512-FDW2520C	FDW2520C	TSSOP-8	20	-	0.018	0.028	-	14	6	1	.99	.83	.66	.66
			-20	-	0.035	0.057	-	14	4.4	1				
◆ 512-FDW2521C	FDW2521C	TSSOP-8	20	-	0.021	0.035	-	12	5.5	1	1.52	1.33	1.10	.80
			-20	-	0.043	0.07	-	9.7	3.8	1				
◆ 512-FDG6321C	FDG6321C	SC70-6	25	-	0.45	0.6	-	1.64	0.5	0.3	.54	.47	.39	.28
			-25	-	1.1	1.5	-	1.1	0.41	0.3				
◆ 512-FDG6322C	FDG6322C	SC70-6	25	-	4	5	-	1.1	0.22	0.3	.41	.34	.26	.21
			-25	-	1.1	1.5	-	1.4	0.41	0.3				
◆ 512-FDC6320C	FDC6320C	SSOT-6	25	-	-	5	-	0.29	0.22	0.9	.48	.42	.35	.25
			-25	-	-	13	-	0.23	0.12	0.9				
◆ 512-FDC6321C	FDC6321C	SSOT-6	25	-	0.45	-	-	1.64	0.68	0.9	.59	.52	.43	.31
			-25	-	1.1	-	-	1.1	0.46	0.9				
◆ 512-FDG6321C	FDG6321C	SC70-6	25	-	0.45	0.6	-	1.64	0.5	0.3	.54	.47	.39	.28
			-25	-	1.1	1.5	-	1.1	0.41	0.3				
◆ 512-FDG6322C	FDG6322C	SC70-6	25	-	4	5	-	1.1	0.22	0.3	.41	.34	.26	.21
			-25	-	1.1	1.5	-	1.4	0.41	0.3				
◆ 512-FDC6320C	FDC6320C	SSOT-6	25	-	-	5	-	0.29	0.22	0.9	.48	.42	.35	.25
			-25	-	-	13	-	0.23	0.12	0.9				
◆ 512-FDC6321C	FDC6321C	SSOT-6	25	-	0.45	-	-	1.64	0.68	0.9	.59	.52	.43	.31
			-25	-	1.1	-	-	1.1	0.46	0.9				
			-25	-	-	1.5	-	1	0.46	0.9				
◆ 512-FDS8958A	FDS8958A	SO-8	30	0.028	0.04	-	-	10.7	7	2	.91	.76	.61	.56
			-30	0.052	0.08	-	-	9.6	5	2				
◆ 512-NDS9952A	NDS9952A	SO-8	30	0.08	-	-	-	9.5	3.7	2	.98	.81	.65	.65
			-30	0.13	-	-	-	10	2.9	2				
◆ 512-FDC6333C	FDC6333C	SSOT-6	30	0.095	0.15	-	-	4.7	2.5	0.96	.44	.33	.25	.22
			-30	0.15	0.22	-	-	4.1	2	0.96				
Single P-Channel														
512-FQP3P20	FQP3P20	TO-220	-200	2.7	-	-	-	6	2.8	52	.69	.60	.50	.36
512-SFP9610	SFP9610	TO-220	-200	3	-	-	-	9	1.8	20	.82	.76	.55	.46
512-SFP9630	SFP9630	TO-220	-200	0.8	-	-	-	29	6.5	70	1.07	1.00	.71	.60
512-SFP9640	SFP9640	TO-220	-200	0.5	-	-	-	46	11	123	1.95	1.82	1.30	1.09
512-FQPF3P20	FQPF3P20	TO-220F	-200	2.7	-	-	-	6	2.2	32	.80	.70	.58	.42
512-SFS9640	SFS9640	TO-220F	-200	0.5	-	-	-	46	6.2	40	1.46	1.37	.98	.82
◆ 512-FQB3P20TM	FQB3P20TM	TO-263	-200	2.7	-	-	-	6	2.8	52	1.00	.87	.72	.52
◆ 512-FQB5P20TM	FQB5P20TM	TO-263	-200	1.4	-	-	-	10	4.8	75	1.05	.92	.76	.55
◆ 512-SFW9620TM	SFW9620TM	TO-263	-200	1.5	-	-	-	15	3.5	38	1.09	.92	.65	.52
512-FQA12P20	FQA12P20	TO-3P	-200	0.47	-	-	-	31	12.6	150	2.20	1.93	1.60	1.16
512-SFH9240	SFH9240	TO-3P	-200	0.5	-	-	-	46	11	126	2.13	1.99	1.42	1.19
512-FQAF12P20	FQAF12P20	TO-3PF	-200	0.47	-	-	-	31	11.5	70	2.17	1.90	1.57	1.14
512-FQP5P10	FQP5P10	TO-220	-100	1.05	-	-	-	6.3	4.5	40	.82	.71	.59	.43
512-FQP8P10	FQP8P10	TO-220	-100	0.53	-	-	-	12	8	65	.83	.73	.60	.44
512-SFP9520	SFP9520	TO-220	-100	0.6	-	-	-	16	6	49	.72	.68	.48	.41
512-SFP9540	SFP9540	TO-220	-100	0.2	-	-	-	43	17	132	1.47	1.37	.98	.82
512-FQPF5P10	FQPF5P10	TO-220F	-100	1.05	-	-	-	6.3	2.9	23	.75	.66	.55	.40
512-FQPF8P10	FQPF8P10	TO-220F	-100	0.53	-	-	-	12	5.3	28	.88	.77	.64	.46
512-SFS9520	SFS9520	TO-220F	-100	0.6	-	-	-	16	4.6	29	.95	.80	.57	.47

FAIRCHILD Power MOSFETs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR

FAIRCHILD MEDIUM POWER MOSFETs

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS=				Qg nC	ID A	PD W	Price Each			
				10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)				1	25	100	250
Single P-Channel (Cont.)														
512-SFS9540	SFS9540	TO-220F	-100	0.2	-	-	-	43	10.7	53	1.44	1.19	.85	.70
512-FQU8P10TU	FQU8P10TU	TO-251	-100	0.53	-	-	-	12	6.6	44	1.22	1.07	.89	.64
512-SFI9510TU	SFI9510TU	TO-262	-100	1.2	-	-	-	9	3.6	32	.91	.75	.54	.44
◆ 512-FQB12P10TM	FQB12P10TM	TO-263	-100	0.29	-	-	-	21	11.5	75	1.20	1.05	.87	.63
◆ 512-FQB8P10TM	FQB8P10TM	TO-263	-100	0.53	-	-	-	12	8	65	.98	.86	.71	.51
◆ 512-SFW9510TM	SFW9510TM	TO-263	-100	1.2	-	-	-	9	3.6	32	1.04	.97	.69	.58
◆ 512-SFW9530TM	SFW9530TM	TO-263	-100	0.3	-	-	-	30	10.5	66	1.13	1.06	.76	.64
512-FQA17P10	FQA17P10	TO-3P	-100	0.19	-	-	-	30	18	120	1.95	1.71	1.41	1.02
512-FQA22P10	FQA22P10	TO-3P	-100	0.125	-	-	-	40	24	150	2.16	1.89	1.56	1.13
512-SFH9140	SFH9140	TO-3P	-100	0.2	-	-	-	43	19	166	1.94	1.81	1.29	1.09
512-FQAF17P10	FQAF17P10	TO-3PF	-100	0.19	-	-	-	30	12.4	56	1.85	1.62	1.34	.97
512-FQAF22P10	FQAF22P10	TO-3PF	-100	0.125	-	-	-	40	16.6	70	2.19	1.83	1.32	1.06
512-SFF9140	SFF9140	TO-3PF	-100	0.2	-	-	-	43	13	80	1.87	1.56	1.13	.92
512-NDT2955	NDT2955	SOT-223	-60	0.3	0.5	-	-	11	2.5	3	.63	.54	.41	.35
512-FQP11P06	FQP11P06	TO-220	-60	0.175	-	-	-	13	11.4	53	.82	.71	.59	.43
512-FQP17P06	FQP17P06	TO-220	-60	0.12	-	-	-	21	17	79	.88	.66	.50	.37
◆ 512-NDT2955	NDT2955	SOT-223	-60	0.3	0.5	-	-	11	2.5	3	.63	.54	.41	.35
512-FQP11P06	FQP11P06	TO-220	-60	0.175	-	-	-	13	11.4	53	.82	.71	.59	.43
512-FQP17P06	FQP17P06	TO-220	-60	0.12	-	-	-	21	17	79	.88	.66	.50	.37
512-FQP7P06	FQP7P06	TO-220	-60	0.41	-	-	-	6.3	6.7	45	.73	.64	.53	.38
512-SFP9Z14	SFP9Z14	TO-220	-60	0.5	-	-	-	9	6.7	38	.65	.61	.44	.37
512-SFP9Z24	SFP9Z24	TO-220	-60	0.28	-	-	-	15	9.7	49	.82	.76	.55	.46
512-SFP9Z34	SFP9Z34	TO-220	-60	0.14	-	-	-	30	18	82	1.04	.97	.69	.58
512-FQPF11P06	FQPF11P06	TO-220F	-60	0.175	-	-	-	13	8.6	30	.79	.69	.57	.41
512-FQPF17P06	FQPF17P06	TO-220F	-60	0.12	-	-	-	21	12	39	1.22	1.07	.89	.64
512-FQPF7P06	FQPF7P06	TO-220F	-60	0.41	-	-	-	6.3	5.3	24	.65	.57	.47	.34
512-SFS2955	SFS2955	TO-220F	-60	0.3	-	-	-	15	7.3	29	.97	.81	.59	.47
512-SFS9Z24	SFS9Z24	TO-220F	-60	0.28	-	-	-	15	7.5	29	.66	.61	.44	.37
512-SFS9Z34	SFS9Z34	TO-220F	-60	0.14	-	-	-	30	12	36	.99	.92	.66	.55
512-FQU17P06TU	FQU17P06TU	TO-251	-60	0.135	-	-	-	21	12	44	.84	.63	.47	.35
512-FQI11P06TU	FQI11P06TU	TO-262	-60	0.175	-	-	-	13	11.4	53	1.00	.88	.73	.53
512-FQI17P06TU	FQI17P06TU	TO-262	-60	0.12	-	-	-	21	17	79	1.20	1.05	.87	.63
512-FQI27P06TU	FQI27P06TU	TO-262	-60	0.07	-	-	-	33	27	120	1.55	1.36	1.12	.81
512-SFI2955TU	SFI2955TU	TO-262	-60	0.3	-	-	-	15	9.4	49	1.01	.84	.60	.49
512-SFI9Z34TU	SFI9Z34TU	TO-262	-60	0.14	-	-	-	30	18	82	1.19	.99	.71	.57
◆ 512-FQB11P06TM	FQB11P06TM	TO-263	-60	0.175	-	-	-	13	11.4	53	1.00	.88	.73	.53
◆ 512-FQB17P06TM	FQB17P06TM	TO-263	-60	0.12	-	-	-	21	17	79	1.21	1.06	.88	.64
◆ 512-FQB27P06TM	FQB27P06TM	TO-263	-60	0.07	-	-	-	33	27	120	1.60	1.40	1.16	.84
◆ 512-FQB7P06TM	FQB7P06TM	TO-263	-60	0.41	-	-	-	6.3	7	45	.97	.85	.70	.51
◆ 512-BSS84	BSS84	SOT-23	-50	10	-	-	-	0.9	0.13	0.36	.13	.12	.10	.07
Single N-Channel														
◆ 512-FDS4070N7	FDS4070N7	SO-8	40	0.007	-	-	-	47	15.3	3	1.53	1.22	.92	.90
◆ 512-FDS4072N7	FDS4072N7	SO-8	40	0.009	0.011	-	-	33	12.4	3	1.45	1.15	.87	.85
◆ 512-FDS4080N7	FDS4080N7	SO-8	40	0.01	-	-	-	30	13	3.9	1.45	1.15	.87	.85
◆ 512-BSS138	BSS138	SOT-23	50	3.5	6	-	-	1.7	0.22	0.36	.14	.13	.10	.08
◆ 512-RFD16N05LSM	RFD16N05LSM	TO-252	50	-	0.047	-	-	61	16	60	.89	.74	.59	.45
512-HUF75309P3	HUF75309P3	TO-220	55	0.07	-	-	-	11	19	55	.84	.77	.70	.58
512-HUF75321P3	HUF75321P3	TO-220	55	0.034	-	-	-	21	35	93	.84	.70	.56	.42
512-HUF75333P3	HUF75333P3	TO-220	55	0.016	-	-	-	40	66	150	1.54	1.41	1.28	1.08
512-HUF75337P3	HUF75337P3	TO-220	55	0.014	-	-	-	51	75	175	1.86	1.71	1.55	1.30
512-HUF75339P3	HUF75339P3	TO-220	55	0.012	-	-	-	60	75	200	1.29	1.03	.78	.72
512-HUF75343P3	HUF75343P3	TO-220	55	0.009	-	-	-	92	75	270	2.51	2.30	2.09	1.76
512-HUF75345P3	HUF75345P3	TO-220	55	0.007	-	-	-	125	75	325	1.96	1.63	1.22	1.14
512-HUFA75309P3	HUFA75309P3	TO-220	55	0.07	-	-	-	11	19	55	.94	.86	.79	.66
◆ 512-HUF75345G3	HUF75345G3	TO-247	55	0.007	-	-	-	125	75	325	4.42	4.06	3.69	1.63
◆ 512-FDZ209N	FDZ209N	BGA-12	60	-	.08@5V	-	-	6.3	4	2	1.51	1.21	.91	.85
◆ 512-FDS5170N7	FDS5170N7	SO-8	60	0.012	-	-	-	51	10.6	3	1.66	1.32	1.00	.95
◆ 512-2N7002	2N7002	SOT-23	60	7.5	7.5	-	-	1.7	0.12	0.2	.09	.08	.06	.05
◆ 512-2N7002MTF	2N7002MTF	SOT-23	60	5	-	-	-	-	0.115	0.2	.09	.08	.07	.06
◆ 512-MMBF170	MMBF170	SOT-23	60	5	-	-	-	1.7	0.5	0.3	.13	.11	.09	.08
◆ 512-NDS7002A	NDS7002A	SOT-23	60	2	3	-	-	1.7	0.28	0.3	.21	.18	.15	.13
512-FDP5690	FDP5690	TO-220	60	0.027	-	-	-	23	32	58	2.04	1.79	1.48	1.07
512-FQP13N06	FQP13N06	TO-220	60	0.135	-	-	-	5.8	13	45	.89	.78	.64	.47
512-FQP13N06L	FQP13N06L	TO-220	60	0.11	.14@5V	-	-	4.8	13.6	45	.89	.78	.64	.47
512-FQP20N06	FQP20N06	TO-220	60	0.06	-	-	-	11.5	20	53	.92	.81	.67	.48
512-FQP20N06L	FQP20N06L	TO-220	60	0.055	.07@5V	-	-	9.5	21	53	.92	.81	.67	.48
512-FQP30N06	FQP30N06	TO-220	60	0.04	-	-	-	19	30	79	1.33	1.17	.97	.70
512-FQP20N06L	FQP20N06L	TO-220	60	0.055	.07@5V	-	-	9.5	21	53	.92	.81	.67	.48
512-FQP30N06	FQP30N06	TO-220	60	0.04	-	-	-	19	30	79	1.33	1.17	.97	.70
512-FQP50N06	FQP50N06	TO-220	60	0.022	-	-	-	31	50	120	1.04	.87	.69	.52
512-FQP50N06L	FQP50N06L	TO-220	60	0.021	.025@5V	-	-	24.5	52	121	1.04	.87	.69	.52
512-FQP65N06	FQP65N06	TO-220	60	0.016	-	-	-	48	65	150	2.50	2.18	1.81	1.31
512-FQP85N06	FQP85N06	TO-220	60	0.01	-	-	-	86	85	160	3.20	2.80	2.32	1.68
512-HUF76407P3	HUF76407P3	TO-220	60	0.092	0.107	-	-	9.4	13	38	.80	.74	.67	.56
512-FQPF13N06	FQPF13N06	TO-220F	60	0.135	-	-	-	5.8	9.4	24	.89	.78	.64	.47
512-FQPF13N06L	FQPF13N06L	TO-220F	60	0.11	.14@5V	-	-	4.8	10	24	.96	.84	.70	.50
512-FQPF20N06	FQPF20N06	TO-220F	60	0.06	-	-	-	11.5	15	30	1.11	.97	.80	.58
512-FQPF20N06L	FQPF20N06L	TO-220F	60	0.055	.07@5V	-	-	9.5	15.7	30	1.22	1.07	.89	.64
512-FQPF30N06	FQPF30N06	TO-220F	60	0.04	-	-	-	19	21	39	1.18	1.03	.85	.62
512-FQPF30N06L	FQPF30N06L	TO-220F	60	0.035	.045@5V	-	-	15	22.5	38	1.34	1.18	.97	.71
512-FQPF50N06	FQPF50N06	TO-220F	60	0.022	-	-	-	31	31	47	1.42	1.24	1.03	.74
512-FQPF50N06L	FQPF50N06L	TO-220F	60	0.021	.025@5V	-	-	24.5	32.6	47	1.56	1.37	1.1[illegible]	.82
512-HUF76419D3	HUF76419D3	TO-251	60	0.037	0.043	-	-	23	20	75	1.45	1.33	1.21	1.01
◆ 512-FQD30N06LTF	FQD30N06LTF	TO-252	60	0.039	.047@5V	-	-	15	24	44	1.18	1.03	.85	.62
512-FQI13N06LTU	FQI13N06LTU	TO-262	60	0.11	.14@5V	-	-	4.8	13.6	45	.98	.81	.58	.45
◆ 512-FQB13N06TM	FQB13N06TM	TO-263	60	0.135	-	-	-	5.8	13	45	.95	.79	.57	.45
◆ 512-FQB20N06TM	FQB20N06TM	TO-263	60	0.06	-	-	-	11.5	20	53	1.21	1.00	.71	.57
◆ 512-FQB20N06LTM	FQB20N06LTM	TO-263	60	0.055	.07@5V	-	-	9.5	21	53	1.04	.91	.75	.54
◆ 512-FQB30N06TM	FQB30N06TM	TO-263	60	0.04	-	-	-	19	30	79	1.27	1.11	.92	.67
◆ 512-FQB30N06LTM	FQB30N06LTM	TO-263	60	0.035	.045@5V	-	-	15	32	79	1.25	1.09	.90	.66
512-FQA65N06	FQA65N06	TO-3P	60	0.016	-	-	-	48	72	183	2.90	2.42	1.75	1.41
512-FQA85N06	FQA85N06	TO-3P	60	0.01	-	-	-	86	100	214	4.27	3.74	3.10	1.24
512-2N7000	2N7000	TO-92	60	5	5.3	-	-	1.7	0.2	0.4	.11	.09	.08	.07
512-BS170	BS170	TO-92	60	5	-	-	-	-	0.5	0.83	.16	.14	.12	.09
512-BS270	BS270	TO-92	60	2	-	-	-	-	0.4	0.63	.18	.16	.13	.10

FAIRCHILD Power MOSFETs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR™

FAIRCHILD MEDIUM POWER MOSFETS (CONT.)

◆ Surface Mount Device

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	VDS (V)	RDS (ON) Max @ VGS=				Qg nC	ID A	PD W	Price Each			
				10V(Ω)	4.5V(Ω)	2.5V(Ω)	1.8V(Ω)				1	25	100	250
Single N-Channel (cont.)														
512-HUF75545P3	HUF75545P3	TO-220	80	0.01	-	-	-	105	75	270	2.38	1.90	1.42	1.33
512-FQPF17N08L	FQPF17N08L	TO-220F	80	0.1	.115@5V	-	-	8.8	11.2	30	1.12	.93	.67	.54
512-FQPF9N08L	FQPF9N08L	TO-220F	80	0.21	.23@5V	-	-	4.7	7	23	.86	.72	.51	.41
◆ 512-FQB17N08LTM	FQB17N08LTM	TO-263	80	0.1	.115@5V	-	-	8.8	16.5	65	1.11	.94	.68	.53
◆ 512-FQB24N08TM	FQB24N08TM	TO-263	80	0.06	-	-	-	19	24	75	1.47	1.29	1.07	.77
◆ 512-FQB9N08TM	FQB9N08TM	TO-263	80	0.21	-	-	-	5.9	9.3	40	.95	.83	.69	.50
◆ 512-FQB9N08LTM	FQB9N08LTM	TO-263	80	0.21	.23@5V	-	-	4.7	9.3	40	.98	.82	.59	.48
512-FQA44N08	FQA44N08	TO-3P	80	0.034	-	-	-	38	49.8	163	2.61	2.19	1.58	1.27
512-FQAF58N08	FQAF58N08	TO-3PF	80	0.024	-	-	-	50	44	85	2.81	2.37	1.73	1.43
◆ 512-FDS3170N7	FDS3170N7	SO-8	100	0.026	-	-	-	55	6.7	3	1.88	1.50	1.12	1.10
◆ 512-BSS123	BSS123	SOT-23	100	6	-	-	-	1.4	0.17	0.36	.15	.13	.11	.08
512-FQP13N10	FQP13N10	TO-220	100	0.18	-	-	-	12	12.8	65	.84	.73	.61	.44
512-FQP13N10L	FQP13N10L	TO-220	100	0.18	.2@5V	-	-	8.7	12.8	65	.84	.73	.61	.44
512-FQP7N10	FQP7N10	TO-220	100	0.35	-	-	-	5.8	7.3	40	.65	.57	.47	.34
512-HUF75639P3	HUF75639P3	TO-220	100	0.025	-	-	-	57	56	200	1.42	1.18	.89	.83
512-HUF75645P3	HUF75645P3	TO-220	100	0.014	-	-	-	106	75	310	2.32	1.93	1.44	1.35
512-IRF510A	IRF510A	TO-220	100	0.4	-	-	-	8.5	5.6	33	.90	.79	.65	.47
512-IRF520A	IRF520A	TO-220	100	0.2	-	-	-	16	9.2	45	.93	.81	.68	.49
512-IRF530A	IRF530A	TO-220	100	0.11	-	-	-	27	14	55	1.03	.90	.75	.54
512-IRF540A	IRF540A	TO-220	100	0.052	-	-	-	60	28	107	1.67	1.46	1.21	.87
512-IRF550A	IRF550A	TO-220	100	0.04	-	-	-	75	40	167	2.04	1.78	1.48	1.07
512-IRL510A	IRL510A	TO-220	100	-	.44@5V	-	-	5.5	5.6	37	.73	.64	.53	.38
512-IRL520A	IRL520A	TO-220	100	-	.22@5V	-	-	10.2	9.2	49	.90	.79	.65	.47
512-FQPF13N10	FQPF13N10	TO-220F	100	0.18	-	-	-	12	8.7	30	.81	.71	.59	.43
512-FQPF13N10L	FQPF13N10L	TO-220F	100	0.18	.2@5V	-	-	8.7	8.7	30	.84	.71	.50	.41
512-FQPF19N10	FQPF19N10	TO-220F	100	0.1	-	-	-	19	13.6	38	1.34	1.18	.97	.71
512-FQPF7N10	FQPF7N10	TO-220F	100	0.35	-	-	-	5.8	5.5	23	.80	.70	.58	.42
512-FQPF7N10L	FQPF7N10L	TO-220F	100	0.35	.38@5V	-	-	4.6	5.5	23	.64	.56	.46	.34
512-IRFS520A	IRFS520A	TO-220F	100	0.2	-	-	-	16	7.2	28	.93	.81	.68	.49
512-IRFS540A	IRFS540A	TO-220F	100	0.052	-	-	-	60	17	39	1.74	1.52	1.26	.91
512-IRLS510A	IRLS510A	TO-220F	100	-	.44@5V	-	-	5.5	4.5	23	.69	.58	.41	.33
512-IRLS520A	IRLS520A	TO-220F	100	-	.22@5V	-	-	10.2	7.2	30	.92	.78	.56	.46
512-IRLS540A	IRLS540A	TO-220F	100	-	.058@5V	-	-	38.4	17	44	1.54	1.34	1.11	.81
◆ 512-HUF75639G3	HUF75639G3	TO-247	100	0.025	-	-	-	57	56	200	3.14	2.88	2.62	1.22
◆ 512-HUF75652G3	HUF75652G3	TO-247	100	0.008	-	-	-	211	75	515	8.73	8.01	3.39	3.39
512-FQU7N10LTU	FQU7N10LTU	TO-251	100	0.35	.38@5V	-	-	4.6	5.8	25	.64	.56	.46	.34
512-IRFU110ATU	IRFU110ATU	TO-251	100	0.4	-	-	-	8.5	4.7	20	.72	.63	.52	.38
512-IRFU120ATU	IRFU120ATU	TO-251	100	0.2	-	-	-	16	8.4	32	.84	.74	.61	.44
◆ 512-IRFR110ATF	IRFR110ATF	TO-252	100	0.4	-	-	-	8.5	4.7	20	.74	.65	.54	.39
512-IRFI510ATU	IRFI510ATU	TO-262	100	0.4	-	-	-	8.5	5.6	33	.87	.73	.52	.42
512-IRLI510ATU	IRLI510ATU	TO-262	100	-	.44@5V	-	-	5.5	5.6	37	.95	.83	.69	.50
◆ 512-FQB13N10TM	FQB13N10TM	TO-263	100	0.18	-	-	-	12	12.8	65	1.13	.93	.68	.53
◆ 512-FQB13N10LTM	FQB13N10LTM	TO-263	100	0.18	.2@5V	-	-	8.7	12.8	65	1.08	.94	.78	.56
◆ 512-FQB19N10TM	FQB19N10TM	TO-263	100	0.1	-	-	-	19	19	75	1.21	1.06	.88	.64
◆ 512-FQB7N10TM	FQB7N10TM	TO-263	100	0.35	-	-	-	5.8	7.3	40	.90	.79	.66	.47
◆ 512-FQB7N10LTM	FQB7N10LTM	TO-263	100	0.35	.38@5V	-	-	4.6	7.3	40	.93	.79	.57	.45
◆ 512-IRFW510ATM	IRFW510ATM	TO-263	100	0.4	-	-	-	8.5	5.6	33	.87	.73	.52	.42
◆ 512-IRFW530ATM	IRFW530ATM	TO-263	100	0.11	-	-	-	27	14	55	1.32	1.16	.96	.69
◆ 512-IRLW510ATM	IRLW510ATM	TO-263	100	-	.44@5V	-	-	5.5	5.6	37	.87	.73	.52	.42
512-FQA33N10	FQA33N10	TO-3P	100	0.052	-	-	-	38	36	163	2.17	1.90	1.58	1.14
512-IRFP140A	IRFP140A	TO-3P	100	0.052	-	-	-	60	31	131	2.37	2.07	1.72	1.24
512-IRFP150A	IRFP150A	TO-3P	100	0.04	-	-	-	75	43	193	3.48	3.05	2.53	1.83
512-SSH70N10A	SSH70N10A	TO-3P	100	0.023	-	-	-	151	70	300	4.36	4.07	2.90	2.44
512-FQAF33N10	FQAF33N10	TO-3PF	100	0.052	-	-	-	38	25.8	83	2.14	1.87	1.55	1.12
512-FQAF33N10L	FQAF33N10L	TO-3PF	100	0.052	.055@5V	-	-	30	25.8	83	2.05	1.73	1.25	1.01
512-FQAF44N10	FQAF44N10	TO-3PF	100	0.039	-	-	-	48	33	85	2.59	2.27	1.88	1.36
512-IRFS140A	IRFS140A	TO-3PF	100	0.052	-	-	-	60	23	72	1.79	1.48	1.06	.86
512-IRFS150A	IRFS150A	TO-3PF	100	0.04	-	-	-	75	31	100	2.64	2.31	1.91	1.39
512-FDP2570	FDP2570	TO-220	150	0.08	-	-	-	40	22	93	3.47	3.03	2.51	1.82
512-FQP9N15	FQP9N15	TO-220	150	0.4	-	-	-	10	9	75	.83	.72	.60	.43
512-FQPF9N15	FQPF9N15	TO-220F	150	0.4	-	-	-	10	6.9	44	1.02	.84	.59	.47
◆ 512-FQB14N15TM	FQB14N15TM	TO-263	150	0.21	-	-	-	18	14.4	104	1.18	1.00	.72	.59
◆ 512-FQB16N15TM	FQB16N15TM	TO-263	150	0.16	-	-	-	23	16.4	108	1.37	1.20	.99	.72
◆ 512-FQB9N15TM	FQB9N15TM	TO-263	150	0.4	-	-	-	10	9	75	1.22	1.02	.72	.59
512-FQA28N15	FQA28N15	TO-3P	150	0.09	-	-	-	40	33	227	2.15	2.09	1.63	1.30
512-FQAF28N15	FQAF28N15	TO-3PF	150	0.09	-	-	-	40	22	102	2.29	1.92	1.40	1.14
◆ 512-FDS2170N7	FDS2170N7	SO-8	200	0.128	-	-	-	26	3	3	1.88	1.50	1.12	1.10
512-FDP2670	FDP2670	TO-220	200	0.13	-	-	-	27	19	93	4.33	3.79	3.14	1.26
512-FQP19N20	FQP19N20	TO-220	200	0.15	-	-	-	31	19.4	140	1.90	1.66	1.38	1.00
512-FQP4N20	FQP4N20	TO-220	200	1.4	-	-	-	5	3.6	45	.77	.67	.56	.40
512-FQP4N20L	FQP4N20L	TO-220	200	1.35	1.4@5V	-	-	4	3.8	45	.64	.56	.46	.34
512-FQP7N20	FQP7N20	TO-220	200	0.69	-	-	-	8	6.6	63	.82	.71	.59	.43
512-IRF610B	IRF610B_FP001	TO-220	200	1.5	-	-	-	7.2	3.3	38	.67	.58	.48	.35
512-IRF630B	IRF630B_FP001	TO-220	200	0.4	-	-	-	22	9	72	.81	.71	.58	.42
512-IRL610A	IRL610A	TO-220	200	-	1.5@5V	-	-	6.1	3.3	33	.79	.69	.57	.42
512-IRL630A	IRL630A	TO-220	200	-	.4@5V	-	-	18.6	9	69	1.00	.88	.73	.53
512-FQPF4N20	FQPF4N20	TO-220F	200	1.4	-	-	-	5	2.8	27	.67	.58	.48	.35
512-FQPF4N20L	FQPF4N20L	TO-220F	200	1.35	1.4@5V	-	-	4	3	27	.73	.62	.44	.36
512-FQPF7N20	FQPF7N20	TO-220F	200	0.69	-	-	-	8	4.8	37	.72	.63	.53	.38
512-SSS45N20B	SSS45N20B_FP001	TO-220F	200	0.065	-	-	-	133	20	57	3.54	3.31	2.36	1.98
512-IRFU220BTU	IRFU220BTU_FP001	TO-251	200	0.8	-	-	-	12	4.6	40	.66	.58	.48	.35
512-IRLI620ATU	IRLI620ATU	TO-262	200	-	.8@5V	-	-	10.3	5	39	.99	.83	.59	.48
◆ 512-FQB10N20LTM	FQB10N20LTM	TO-263	200	0.36	.38@5V	-	-	13	10	87	1.18	1.03	.86	.62
◆ 512-FQB5N20TM	FQB5N20TM	TO-263	200	1.2	-	-	-	6	4.5	52	.94	.80	.58	.46
◆ 512-FQB5N20LTM	FQB5N20LTM	TO-263	200	1.2	1.25@5V	-	-	4.8	4.5	52	.96	.84	.69	.50
◆ 512-IRFW630BTM	IRFW630BTM_FP001	TO-263	200	0.4	-	-	-	22	9	72	1.09	.96	.79	.57
◆ 512-IRLW610ATM	IRLW610ATM	TO-263	200	-	1.5@5V	-	-	6.1	3.3	33	.90	.75	.54	.44
512-FQA19N20	FQA19N20	TO-3P	200	0.15	-	-	-	31	23	190	2.43	2.04	1.47	1.18
512-FQA19N20L	FQA19N20L	TO-3P	200	0.14	.15@5V	-	-	27	25	190	2.29	2.00	1.66	1.20
512-FQA34N20	FQA34N20	TO-3P	200	0.075	-	-	-	60	34	210	3.36	2.92	2.36	1.69
512-FQAF19N20	FQAF19N20	TO-3PF	200	0.15	-	-	-	31	15	85	2.21	1.93	1.60	1.16
512-FQAF19N20L	FQAF19N20L	TO-3PF	200	0.14	.15@5V	-	-	27	16	85	2.17	1.90	1.57	1.14
512-IRFS240B	IRFS240B_FP001	TO-3PF	200	0.18	-	-	-	45	12.8	73	1.94	1.70	1.41	1.02
512-IRFS250B	IRFS250B_FP001	TO-3PF	200	0.085	-	-	-	95	21.3	90	2.66	2.33	1.93	1.40
512-FQA32N20C	FQA32N20C	TO-3P	200	0.082	-	-	-	82.5	32	204	2.83	2.48	2.05	1.49
512-FQPF10N20C	FQPF10N20C	TO-220F	200	0.36	-	-	-	20	9.5	38	.78	.68	.56	.41
512-FQPF19N20C	FQPF19N20C	TO-220F	200	0.17	-	-	-	40.5	19	43	1.17	1.02	.85	.61
512-FQP19N20C	FQP19N20C	TO-220	200	0.17	-	-	-	40.5	19	139	1.24	1.09	.90	.65
512-FQPF32N20C	FQPF32N20C	TO-220F	200	0.082	-	-	-	82.5	28	50	1.78	1.55	1.29	.93
512-FQP32N20C	FQP32N20C	TO-220	200	0.082	-	-	-	82.5	28	156	1.78	1.55	1.29	.93
512-FQA19N20C	FQA19N20C	TO-3P	200	0.17	-	-	-	40.5	21.8	180	1.82	1.60	1.32	.96

FAIRCHILD Power MOSFETs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

FAIRCHILD
SEMICONDUCTOR

HIGH POWER MOSFETS

♦ Surface Mount Device

Single P-Channel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	RDS (ON) Max @ VGS= (10VΩ)	Qg nC	ID A	PD W	Price Each			
							1	25	100	250
-500V (VDS)										
512-FQP1P50	FQP1P50	TO-220	10.5	11	1.5	63	.90	.79	.65	.47
512-FQP3P50	FQP3P50	TO-220	4.9	18	2.7	85	1.27	1.11	.92	.67
512-FQPF1P50	FQPF1P50	TO-220F	10.5	11	1	28	.88	.77	.64	.46
♦ 512-FQB1P50TM	FQB1P50TM	TO-263	10.5	11	1.5	63	1.09	.96	.79	.57
♦ 512-FQB3P50TM	FQB3P50TM	TO-263	4.9	18	2.7	85	1.47	1.29	1.06	.77
-400V (VDS)										
512-FQP2P40	FQP2P40	TO-220	6.5	10	2	63	.96	.84	.70	.50
512-FQP4P40	FQP4P40	TO-220	3.1	18	3.5	85	1.39	1.22	1.01	.73
512-FQPF4P40	FQPF4P40	TO-220F	3.1	18	2.4	39	1.40	1.17	.87	.71
512-FQI4P40TU	FQI4P40TU	TO-262	3.1	18	3.5	85	1.59	1.39	1.16	.84
♦ 512-FQB2P40TM	FQB2P40TM	TO-263	6.5	10	2	63	1.15	1.01	.84	.60
♦ 512-FQB4P40TM	FQB4P40TM	TO-263	3.1	18	3.5	85	1.59	1.39	1.16	.84
-250V (VDS)										
512-FQP2P25	FQP2P25	TO-220	4	6.5	2.3	52	.69	.60	.50	.36
512-FQPF2P25	FQPF2P25	TO-220F	4	6.5	1.8	32	.79	.69	.57	.41
512-SFS9614	SFS9614	TO-220F	4	9	1.3	13	.62	.58	.41	.35
512-SFS9634	SFS9634	TO-220F	1.3	29	3.4	33	1.25	1.17	.83	.70
♦ 512-FQB2P25TM	FQB2P25TM	TO-263	4	6.5	2.3	52	1.00	.87	.72	.52
♦ 512-FQB4P25TM	FQB4P25TM	TO-263	2.1	10	4	75	1.02	.89	.74	.53
512-FQA9P25	FQA9P25	TO-3P	0.62	29	10.5	150	2.14	1.87	1.55	1.12
512-FQAF9P25	FQAF9P25	TO-3PF	0.62	29	7.1	70	2.10	1.84	1.52	1.10

Single N-Channel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	RDS (ON) Max @ VGS= (10VΩ)	Qg nC	ID A	PD W	Price Each			
							1	25	100	250
250V (VDS)										
512-FQP3N25	FQP3N25	TO-220	2.2	4	2.8	45	.65	.57	.47	.34
512-FQP6N25	FQP6N25	TO-220	1	6.6	5.5	63	.97	.85	.71	.51
512-IRF634B	IRF634B_FP001	TO-220	0.45	29	8.1	74	.93	.81	.67	.49
512-IRF644B	IRF644B_FP001	TO-220	0.28	47	14	139	1.33	1.17	.97	.70
512-FQPF3N25	FQPF3N25	TO-220F	2.2	4	2.3	27	.75	.66	.54	.39
♦ 512-FQB6N25TM	FQB6N25TM	TO-263	1	6.6	5.5	63	.95	.83	.69	.50
♦ 512-FQB8N25TM	FQB8N25TM	TO-263	0.55	12	8	87	1.28	1.12	.93	.67
512-FQA40N25	FQA40N25	TO-3P	0.07	85	40	280	5.66	4.96	4.11	1.56
512-FQAF34N25	FQAF34N25	TO-3PF	0.085	60	21.7	100	4.41	3.86	3.20	1.28
512-FQP9N25C	FQP9N25C	TO-220	0.43	26.5	8.8	74	1.02	.89	.74	.53
512-FQA16N25C	FQA16N25C	TO-3P	0.27	41	17.8	180	6.00	5.25	4.35	1.66
300V (VDS)										
512-FQI2N30TU	FQI2N30TU	TO-262	3.7	3.7	2.1	40	.88	.77	.64	.46
512-FQI5N30TU	FQI5N30TU	TO-262	0.9	9.8	5.4	70	1.19	1.04	.86	.62
♦ 512-FQB2N30TM	FQB2N30TM	TO-263	3.7	3.7	2.1	40	.98	.81	.58	.47
♦ 512-FQB3N30TM	FQB3N30TM	TO-263	2.2	5.5	3.2	55	1.00	.88	.73	.53
♦ 512-FQB5N30TM	FQB5N30TM	TO-263	0.9	9.8	5.4	70	1.20	1.05	.87	.63
♦ 512-FQB7N30TM	FQB7N30TM	TO-263	0.7	13	7	85	1.43	1.25	1.04	.75
512-FQAF14N30	FQAF14N30	TO-3PF	0.29	30	11.4	90	2.75	2.30	1.66	1.33
400V (VDS)										
512-FQP2N40	FQP2N40	TO-220	5.8	4	1.8	40	.70	.61	.50	.37
512-FQP3N40	FQP3N40	TO-220	3.4	6	2.5	55	.82	.72	.60	.43
512-IRF710B	IRF710B	TO-220	3.4	7.7	2	36	.76	.67	.55	.40
512-IRF720B	IRF720B	TO-220	1.75	14	3.3	46	.86	.76	.63	.45
512-FQPF2N40	FQPF2N40	TO-220F	5.8	4	1.1	16	.88	.73	.52	.43
512-FQPF3N40	FQPF3N40	TO-220F	3.4	6	1.6	20	1.01	.89	.73	.53
512-IRFS710B	IRFS710B	TO-220F	3.4	7.7	2	23	.82	.68	.49	.39
512-IRFS730B	IRFS730B	TO-220F	1	25	5.5	38	1.28	1.12	.93	.67
♦ 512-FQB5N40TM	FQB5N40TM	TO-263	1.6	10	4.5	70	1.20	1.05	.87	.63
512-FQA20N40	FQA20N40	TO-3P	0.22	60	19.5	200	5.62	4.91	4.07	1.55
512-FQA30N40	FQA30N40	TO-3P	0.14	90	30	290	8.46	7.40	6.14	2.34

Single N-Channel (cont.)

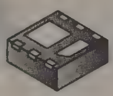
For quantities of 500 and up, call for quote.

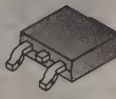
MOUSER STOCK NO.	Fairchild Part No.	Package	RDS (ON) Max @ VGS= (10VΩ)	Qg nC	ID A	PD W	Price Each			
							1	25	100	250
400V (VDS) (cont.)										
512-IRFP350A	IRFP350A	TO-3P	0.3	101	17	202	5.23	4.57	3.79	2.74
512-FQAF11N40	FQAF11N40	TO-3PF	0.48	27	8.8	90	2.67	2.34	1.94	1.40
512-IRFS340B	IRFS340B	TO-3PF	0.54	41	8	85	1.57	1.31	.94	.76
512-IRFS350A	IRFS350A	TO-3PF	0.3	101	11.5	92	3.91	3.42	2.83	2.05
512-FQP6N40C	FQP6N40C	TO-220	1	16	6	73	1.13	.99	.82	.59
512-FQPF6N40C	FQPF6N40C	TO-220F	1	16	6	38	1.14	1.00	.83	.60
512-FQP11N40C	FQP11N40C	TO-220	0.53	28	11	135	1.63	1.42	1.18	.85
512-FQPF11N40C	FQPF11N40C	TO-220F	0.53	28	11	44	1.65	1.44	1.19	.86
500V (VDS)										
512-FQP1N50	FQP1N50	TO-220	9	4	1.4	40	.70	.61	.50	.37
512-FQP2N50	FQP2N50	TO-220	5.3	6	2.1	55	1.16	1.02	.84	.61
512-IRF840B	IRF840B	TO-220	0.85	41	8	134	1.78	1.55	1.29	.93
♦ 512-FQB2N50TM	FQB2N50TM	TO-263	5.3	6	2.1	55	.99	.87	.72	.52
512-FQA16N50	FQA16N50	TO-3P	0.32	17	16	200	5.54	4.85	4.02	1.53
512-FQA24N50	FQA24N50	TO-3P	0.2	90	24	290	3.90	3.11	2.42	2.30
512-IRFP450B	IRFP450B	TO-3P	0.4	87	14	205	3.77	3.30	2.74	1.98
512-SSH22N50A	SSH22N50A	TO-3P	0.25	182	22	278	2.99	2.39	1.86	1.77
512-FQAF9N50	FQAF9N50	TO-3PF	0.73	28	7.2	90	2.70	2.36	1.96	1.42
512-IRFS440B	IRFS440B	TO-3PF	0.85	41	6.2	85	1.58	1.32	.95	.75
512-IRFS450B	IRFS450B	TO-3PF	0.4	87	9.6	96	3.77	3.30	2.74	1.98
512-FQPF5N50C	FQPF5N50C	TO-220F	1.4	18	5	38	1.10	.96	.80	.58
512-FQP5N50C	FQP5N50C	TO-220	1.4	18	5	73	1.12	.98	.81	.59
512-FQPF9N50C	FQPF9N50C	TO-220F	0.8	28	9	44	1.66	1.45	1.20	.87
600V (VDS)										
512-SSP1N60B	SSP1N60B	TO-220	12	5.9	1	34	.74	.69	.49	.41
512-SSP4N60B	SSP4N60B	TO-220	2.5	22	4	100	1.31	1.22	.87	.73
512-SSS10N60B	SSS10N60B	TO-220F	0.8	54	9	50	2.07	1.93	1.38	1.16
512-SSS1N60B	SSS1N60B	TO-220F	12	5.9	1	17	.71	.66	.47	.40
512-SSS2N60B	SSS2N60B	TO-220F	5	12.5	2	23	.94	.79	.57	.46
512-SSS4N60B	SSS4N60B	TO-220F	2.5	22	4	33	1.14	1.06	.76	.64
512-SSS7N60B	SSS7N60B	TO-220F	1.2	38	7	48	1.61	1.35	.96	.79
512-SSI10N60BTU	SSI10N60BTU	TO-262	0.8	54	9	156	1.88	1.56	1.26	1.07
♦ 512-SSW1N60BTM	SSW1N60BTM	TO-263	12	5.9	1	34	.97	.82	.58	.47
512-FQA19N60	FQA19N60	TO-3P	0.38	70	18.5	300	6.11	5.34	4.43	1.69
512-SSH7N60B	SSH7N60B	TO-3P	1.2	38	7.3	160	2.29	1.93	1.41	1.15
512-FQPF10N60C	FQPF10N60C	TO-220F	0.73	44	9.5	50	2.51	2.19	1.82	1.32
512-FQPF2N60C	FQPF2N60C	TO-220F	4.7	8.5	2	23	.89	.78	.64	.47
512-FQP5N60C	FQP5N60C	TO-220	2.5	15	4.5	100	1.20	1.05	.87	.63
512-FQPF5N60C	FQPF5N60C	TO-220F	2.5	15	4.5	33	1.22	1.07	.88	.64
512-FQPF8N60C	FQPF8N60C	TO-220F	1.2	28	7.5	48	1.53	1.34	1.11	.80
512-FQP10N60C	FQP10N60C	TO-220	0.73	44	9.5	156	2.27	1.98	1.64	1.19
700V (VDS)										
♦ 512-FQB6N70TM	FQB6N70TM	TO-263	1.5	30	6.2	142	2.88	2.52	2.09	1.51
800V (VDS)										
512-FQP4N80	FQP4N80	TO-220	3.6	19	3.9	130	1.86	1.63	1.35	.98
512-FQP5N80	FQP5N80	TO-220	2.6	25	4.8	140	2.21	1.93	1.60	1.16
512-FQPF2N80	FQPF2N80	TO-220F	6.3	12	1.5	35	1.30	1.14	.94	.68
512-FQPF4N80	FQPF4N80	TO-220F	3.6	19	2.2	43	2.00	1.75	1.45	1.05
512-FQI2N80TU	FQI2N80TU	TO-262	6.3	12	2.4	85	1.54	1.29	.93	.75
512-FQI4N80TU	FQI4N80TU	TO-262	3.6	19	3.9	130	1.90	1.66	1.38	1.00
♦ 512-FQB4N80TM	FQB4N80TM	TO-263	3.6	19	3.9	130	1.90	1.66	1.38	1.00
♦ 512-FQB6N80TM	FQB6N80TM	TO-263	1.95	31	5.8	158	2.76	2.41	2.00	1.45
512-FQAF6N80	FQAF6N80	TO-3PF	1.95	31	4.4	90	3.25	2.85	2.36	1.71
512-FQP3N80C	FQP3N80C	TO-220	4.8	13	3	107	1.28	1.12	.93	.67
900V (VDS)										
512-FQP2N90	FQP2N90	TO-220	7.2	12	2.2	85	1.33	1.17	.97	.70
512-FQPF2N90	FQPF2N90	TO-220F	7.2	12	1.4	35	1.47	1.29	1.06	.77
512-FQPF2NA90	FQPF2NA90	TO-220F	5.8	15	1.7	39	1.40	1.23	1.02	.74
512-FQPF4N90	FQPF4N90	TO-220F	3.1	24	2.5	47	2.24	1.96	1.63	1.18
512-FQI2N90TU	FQI2N90TU	TO-262	7.2	12	2.2	85	1.56	1.31	.95	.77
512-FQI2NA90TU	FQI2NA90TU	TO-262	5.8	15	2.8	107	1.78	1.49	1.07	.86
512-FQI3N90TU	FQI3N90TU	TO-262	4.25	20	3.6	130	1.97	1.73	1.43	1.04
♦ 512-FQB2NA90TM	FQB2NA90TM	TO-263	5.8	15	2.8	107	1.69	1.42	1.02	.82
♦ 512-FQB3N90TM	FQB3N90TM	TO-263	4.25	20	3.6	130	1.97	1.73	1.43	1.04
♦ 512-FQB4N90TM	FQB4N90TM	TO-263	3.1	24	4.2	140	2.35	2.06	1.71	1.23
♦ 512-FQB5N90TM	FQB5N90TM	TO-263	2.3	31	5.4	158	2.88	2.52	2.09	1.51

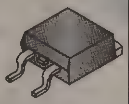
ON SEMICONDUCTOR MOSFETs

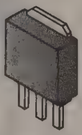
RoHS Compliant This page of product is compliant.

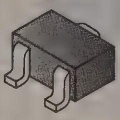
SOT-723

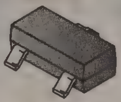

WDFN-6

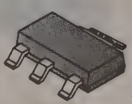

DPAK

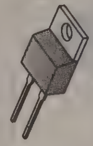

D2PAK

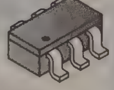

IPAK


SC-70


SOT-23


SOT-223


TO-220


TSOP-6

N-CHANNEL & P-CHANNEL POWER MOSFETS

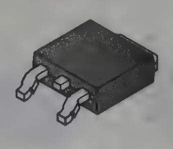
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) DSS Min (V)	rDS(on) Max (mΩ)	PD Max (W)	ID Max (A)	Price Each			
							1	25	100	500
N-Channel										
863-NTK3134NT1G	NTK3134NT1G	SOT-723	20	350	0.55	0.89	.30	.25	.23	.19
863-NTK3134NT5G	NTK3134NT5G	SOT-723	20	350	0.55	0.89	.30	.25	.23	.19
863-NTLJF3118NTAG	NTLJF3118NTAG	WDFN-6	20	65	2.2	4.6	.66	.55	.50	.42
863-NTLJF3118NTBG	NTLJF3118NTBG	WDFN-6	20	65	2.2	4.6	.66	.55	.50	.42
863-NTLJS4114NT1G	NTLJS4114NT1G	WDFN-6	30	35	3.3	7.8	.66	.55	.50	.42
863-NTK3134NT1G	NTK3134NT1G	SOT723	20	350	0.55	0.89	.30	.25	.23	.19
863-NTK3134NT5G	NTK3134NT5G	SOT723	20	350	0.55	0.89	.30	.25	.23	.19
863-NTGS3446T1G	NTGS3446T1G	TSOP-6	20	45	2	5.1	.46	.39	.33	.26
863-NTR4501NT1G	NTR4501NT1G	SOT-23	20	80	1.25	3.2	.40	.30	.25	.24
863-MGSF2N02ELT1G	MGSF2N02ELT1G	SOT-23	20	85	1.25	2.8	.35	.30	.25	.20
863-MGSF1N02LT1G	MGSF1N02LT1G	SOT-23	20	90	0.4	0.75	.35	.30	.25	.20
863-MMBF0201NLT1G	MMBF0201NLT1G	SOT-23	20	1000	0.225	0.3	.32	.27	.23	.18
863-NTB125N02RG	NTB125N02RG	D2PAK	24	4.6	113.6	125	1.58	1.35	1.13	.90
863-NTB125N02RT4G	NTB125N02RT4G	D2PAK	24	4.6	113.6	125	1.58	1.35	1.13	.90
863-NTP125N02RG	NTP125N02RG	TO-220	24	4.6	113.6	125	1.93	1.65	1.38	1.10
863-NTD95N02R-1G	NTD95N02R-1G	DPAK	24	5	2.4	95	1.75	1.50	1.25	1.00
863-NTD95N02RG	NTD95N02RG	DPAK	24	5	2.4	95	1.75	1.50	1.25	1.00
863-NTD85N02RG	NTD85N02RG	DPAK	24	5.2	78.1	85	.72	.60	.54	.46
863-NTB65N02RG	NTB65N02RG	D2PAK	24	10.5	62.5	65	1.75	1.50	1.25	1.00
863-NTB65N02RT4G	NTB65N02RT4G	D2PAK	24	10.5	62.5	65	1.75	1.50	1.25	1.00
863-NTP65N02RG	NTP65N02RG	TO-220	24	10.5	62.5	65	1.75	1.50	1.25	1.00
863-NTD78N03R-1G	NTD78N03R-1G	DPAK	25	5.7	76.9	85	1.40	1.20	1.00	.80
863-NTD78N03R-35G	NTD78N03R-35G	DPAK	25	5.7	76.9	85	1.40	1.20	1.00	.80
863-NTD78N03RG	NTD78N03RG	DPAK	25	5.7	76.9	85	1.40	1.20	1.00	.80
863-NTD78N03-1G	NTD78N03-1G	DPAK	25	6	64	78	.63	.53	.47	.40
863-NTD78N03G	NTD78N03G	DPAK	25	6	64	78	.63	.53	.47	.40
863-NTD78N03-35G	NTD78N03-35G	IPAK	25	6	64	78	.63	.53	.47	.40
863-NTB75N03RG	NTB75N03RG	D2PAK	25	8	62.5	72	1.47	1.26	1.05	.84
863-NTB75N03RT4G	NTB75N03RT4G	D2PAK	25	8	62.5	72	1.47	1.26	1.05	.84
863-NTD70N03R-1G	NTD70N03R-1G	DPAK	25	8	62.5	72	.59	.49	.44	.37
863-NTP75N03RG	NTP75N03RG	TO-220	25	8	62.5	72	1.47	1.26	1.05	.84
863-NTD65N03R-1G	NTD65N03R-1G	DPAK	25	8.4	50	65	1.23	1.05	.88	.70
863-NTD65N03RG	NTD65N03RG	DPAK	25	8.4	50	65	1.23	1.05	.88	.70
863-NTD65N03R-35G	NTD65N03R-35G	IPAK	25	8.4	50	65	1.23	1.05	.88	.70
863-NTD50N03R-1G	NTD50N03R-1G	DPAK	25	11.7	50	45	.43	.36	.32	.27
863-NTD50N03R-35G	NTD50N03R-35G	DPAK	25	11.7	50	45	.43	.36	.32	.27
863-NTD50N03RG	NTD50N03RG	DPAK	25	11.7	50	45	.43	.36	.32	.27
863-NTD20N03L27G	NTD20N03L27G	DPAK	30	27	74	20	.98	.84	.70	.56
863-BSS138LT1G	BSS138LT1G	SOT-23	50	3500	0.225	0.2	.30	.23	.14	.13
863-NTB75N06G	NTB75N06G	D2PAK	60	9.5	214	75	3.96	3.39	2.83	2.26
863-NTP75N06G	NTP75N06G	TO-220	60	9.5	214	75	3.56	3.05	2.55	2.04
863-NTP60N06G	NTP60N06G	TO-220	60	14	150	60	2.24	1.87	1.68	1.42
863-NTB45N06T4G	NTB45N06T4G	D2PAK	60	26	125	45	1.68	1.44	1.20	.96
863-NTP45N06G	NTP45N06G	TO-220	60	26	125	45	1.68	1.44	1.20	.96
863-NTB45N06LT4G	NTB45N06LT4G	D2PAK	60	28	125	45	1.68	1.44	1.20	.96
863-NTP45N06LG	NTP45N06LG	TO-220	60	28	125	45	1.68	1.44	1.20	.96
863-NTD20N06G	NTD20N06G	DPAK	60	46	60	20	1.12	.96	.80	.64
863-NTB30N06LT4G	NTB30N06LT4G	D2PAK	60	46	88.2	30	1.64	1.40	1.17	.94
863-NTP18N06G	NTP18N06G	TO-220	60	90	48.4	15	.70	.60	.50	.40
863-NTD3055-094T4G	NTD3055-094T4G	DPAK	60	94	48	12	.54	.46	.39	.31
863-NTF3055-100T1G	NTF3055-100T1G	SOT-223	60	100	2.1	3	.49	.38	.33	.27
863-NTB18N06LT4G	NTB18N06LT4G	D2PAK	60	100	48.4	15	1.40	1.20	1.00	.80
863-NTP18N06LG	NTP18N06LG	TO-220	60	100	48.4	15	.70	.60	.50	.40
863-NTD3055L104G	NTD3055L104G	DPAK	60	104	48	12	.45	.37	.34	.28
863-NTD3055L104T4G	NTD3055L104T4G	DPAK	60	104	48	12	.45	.37	.34	.28
863-NTF3055L108T1G	NTF3055L108T1G	SOT-223	60	120	2.1	3	.52	.45	.37	.30
863-NTD3055-150-1G	NTD3055-150-1G	DPAK	60	150	28.8	9	.50	.43	.36	.28
863-MMFT960T1G	MMFT960T1G	SOT-223	60	1700	0.8	0.3	.60	.51	.43	.34
863-MMBF170LT1G	MMBF170LT1G	SOT-23	60	5000	0.225	0.5	.09	.08	.07	.06
863-NTB52N10G	NTB52N10G	D2PAK	100	30	178	52	2.98	2.55	2.13	1.70
863-NTP52N10G	NTP52N10G	TO-220	100	30	214	60	4.20	3.60	3.00	2.40
863-BSS123LT1G	BSS123LT1G	SOT-23	100	6000	0.225	0.17	.30	.26	.14	.13
863-NTP35N15G	NTP35N15G	TO-220	150	50	178	37	3.50	3.00	2.50	2.00
P-Channel										
863-NTK3139PT1G	NTK3139PT1G	SOT-723	20	480	0.55	-0.78	.30	.25	.23	.19
863-NTK3139PT5G	NTK3139PT5G	SOT-723	20	480	0.55	-0.78	.30	.25	.23	.19
863-NTLJD2105LTBG	NTLJD2105LTBG	WDFN-6	-8	50	1.56	-4.3	.90	.75	.68	.57
863-NTLJD3119CTAG	NTLJD3119CTAG	WDFN-6	20	65	2.3	4.6	.75	.63	.56	.48
863-NTLJD3119CTBG	NTLJD3119CTBG	WDFN-6	20	65	2.3	4.6	.75	.63	.56	.48
863-NTGS3443T1G	NTGS3443T1G	TSOP-6	20	65	2	2	.29	.24	.21	.18
863-NTGS3441T1G	NTGS3441T1G	TSOP-6	20	90	1	2.35	.27	.23	.20	.17
863-NTS4101PT1G	NTS4101PT1G	SC-70	20	120	0.329	1.37	.31	.26	.22	.18
863-NTR1P02T1G	NTR1P02T1G	SOT-23	20	180	0.4	1	.32	.27	.23	.18
863-NTR1P02LT1G	NTR1P02LT1G	SOT-23	20	220	0.4	1.3	.32	.27	.23	.18
863-NTR0202PLT1G	NTR0202PLT1G	SOT-23	20	800	0.225	0.4	.25	.21	.18	.14
863-NTD25P03LG	NTD25P03LG	DPAK	30	72	75	25	.91	.78	.65	.52
863-NTR4502PT1G	NTR4502PT1G	SOT-23	30	200	1.25	1.95	.29	:25	.21	.17

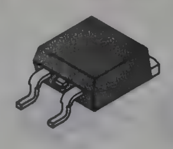
ON SEMICONDUCTOR MOSFETs

RoHS Compliant This page of product is compliant.

ON Semiconductor®

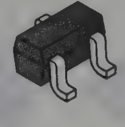


DPAK

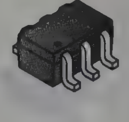


D2PAK

SC-70

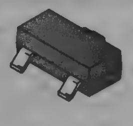


SC-75

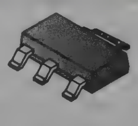


SC-88

SC-89



SOT-23

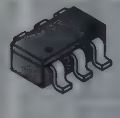


SOT-223

SOT-563

TO-92

TO-220



TSOP-6

P-CHANNEL POWER MOSFETS (CONT.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) DSS Min (V)	rDS(on) Max (mΩ)	PD Max (W)	ID Max (A)	Price Each			
							1	25	100	500
P-Channel (cont.)										
863-NTK3139PT1G	NTK3139PT1G	SOT723	20	480	0.55	-0.78	.30	.25	.23	.19
863-NTK3139PT5G	NTK3139PT5G	SOT723	20	480	0.55	-0.78	.30	.25	.23	.19
863-BSS84LT1G	BSS84LT1G	SOT-23	50	10000	0.225	0.13	.10	.08	.08	.06
863-NTB25P06G	NTB25P06G	D2PAK	60	82	120	27.5	1.73	1.49	1.24	.99
863-NTB25P06T4G	NTB25P06T4G	D2PAK	60	82	120	27.5	1.73	1.49	1.24	.99
863-NTB5605PG	NTB5605PG	D2PAK	60	140	88	18.5	1.09	.93	.78	.62
863-NTB5605PT4G	NTB5605PT4G	D2PAK	60	140	88	18.5	1.09	.93	.78	.62
863-NTF2955T1G	NTF2955T1G	SOT-223	60	170	1	2.6	1.28	.84	.63	.63
863-NTD2955G	NTD2955G	DPAK	60	180	55	12	.65	.64	.63	.55
863-NTD2955T4G	NTD2955T4G	DPAK	60	180	55	12	.68	.59	.49	.39
863-NTP2955G	NTP2955G	TO-220	60	196	2.4	12	1.30	1.11	.93	.74
863-MTP12P10G	MTP12P10G	TO-220	100	300	75	12	2.10	1.80	1.50	1.20
P-Channel With Level Shift										
863-NTGD1100LT1G	NTGD1100LT1G	TSOP-6	8	55	0.83	3.3	.53	.45	.38	.30

TRENCH POWER MOSFETS

For quantities of 1000 and up, call for quote.

N-Channel										
863-NTJS3157NT1G	NTJS3157NT1G	SC-88	20	60	1	4	.26	.21	.19	.16
863-NTJS3157NT2G	NTJS3157NT2G	SC-88	20	60	1	4	.26	.21	.19	.16
P-Channel										
863-NTJS3151PT1G	NTJS3151PT1G	SC-88	12	60	0.625	3.3	.26	.21	.19	.16
863-NTJS3151PT2G	NTJS3151PT2G	SC-88	12	60	0.625	3.3	.26	.21	.19	.16
863-NTJS4151PT1G	NTJS4151PT1G	SC-88	20	60	1	4.2	.53	.45	.38	.30
863-NTR4101PT1G	NTR4101PT1G	SOT-23	20	85	0.73	3.2	.35	.30	.25	.20

SMALL SIGNAL MOSFETS

For quantities of 1000 and up, call for quote.

N-Channel										
863-NTE4153NT1G	NTE4153NT1G	SC-89	20	230	0.3	0.915	.22	.18	.16	.14
863-NTJD4401NT2G	NTJD4401NT2G	SC-88	20	375	0.27	0.63	.37	.31	.26	.21
863-NTJD4401NT1G	NTJD4401NT1G	SC-88	20	375	0.27	0.63	.42	.36	.30	.24
863-NTZD3154NT1G	NTZD3154NT1G	SOT-563	20	550	0.28	0.54	.42	.27	.25	.19
863-NTA4001NT1G	NTA4001NT1G	SC-75	20	1500	0.3	0.238	.22	.19	.16	.12
863-NTJS4405NT1G	NTJS4405NT1G	SC-88	25	350	0.63	1.2	.35	.30	.25	.20
863-NTJD4001NT1G	NTJD4001NT1G	SC-88	30	1500	0.272	0.25	.42	.36	.30	.24
863-NTS4001NT1G	NTS4001NT1G	SC-70	30	1500	0.33	0.27	.35	.30	.25	.20
863-NTA7002NT1G	NTA7002NT1G	SC-75	30	7000	0.3	0.154	.14	.12	.10	.08
863-2N7000G	2N7000G	TO-92	60	5000	0.35	0.2	1.38	.30	.20	.19
863-BS170G	BS170G	TO-92	60	5000	0.35	0.5	1.50	.23	.19	.15
863-BS170RLRAG	BS170RLRAG	TO-92	60	5000	0.35	0.5	.26	.23	.19	.15
863-2N7002LT1G	2N7002LT1G	SOT-23	60	7500	0.3	0.115	.30	.18	.04	.03
863-VN2222LLG	VN2222LLG	TO-92	60	7500	0.4	0.15	.42	.36	.30	.24
863-BS107AG	BS107AG	TO-92	200	6000	0.35	0.25	.28	.24	.20	.16
863-BS107ARL1G	BS107ARL1G	TO-92	200	6000	0.35	0.25	.29	.25	.21	.16
P-Channel										
863-NTR2101PT1G	NTR2101PT1G	SOT-23	8	52	0.96	3.7	.39	.33	.28	.17
863-NTS2101PT1G	NTS2101PT1G	SC-70	8	100	0.29	1.4	.35	.30	.25	.20
863-NTZS3151PT1G	NTZS3151PT1G	SOT-563	20	150	0.21	0.95	.42	.36	.30	.24
863-NTE4151PT1G	NTE4151PT1G	SC-89	20	360	0.313	0.76	.22	.18	.15	.14
Complementary										
863-NTZD3155CT1G	NTZD3155CT1G	SOT-563	20	400 / 500	0.25	+0.54 / -0.43	.38	.32	.27	.22

TRENCH SMALL SIGNAL P-CHANNEL MOSFETS

For quantities of 1000 and up, call for quote.

863-NTJD2152PT1G	NTJD2152PT1G	SC-88	8	300	0.27	0.775	.42	.36	.30	.24
863-NTJD2152PT2G	NTJD2152PT2G	SC-88	8	300	0.27	0.775	.49	.42	.35	.28
863-NTJD4152PT1G	NTJD4152PT1G	SC-88	20	215	0.272	0.88	.49	.42	.35	.28

PROTECTED N-Channel Mosfets

For quantities of 1000 and up, call for quote.

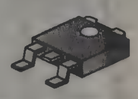
863-NID5004NT4G	NID5004NT4G	DPAK	36	130	2.5	-	1.39	1.16	1.04	.88
863-NIF5002NT3G	NIF5002NT3G	SOT-223	42	200	-	2	.66	.55	.50	.42
863-NIF5003NT1G	NIF5003NT1G	SOT-223	42	68	1.25	14	1.33	1.14	.95	.76
863-NIF5002NT1G	NIF5002NT1G	SOT-223	42	200	-	3	.77	.66	.55	.38
863-NID9N05CLT4G	NID9N05CLT4G	DPAK	52	181	28.8	9	.49	.42	.35	.28
863-MLP1N06CLG	MLP1N06CLG	TO-220	60	750	40	-	1.58	1.35	1.13	.90
863-MLP1N06CLG	MLP1N06CLG	TO-220	750	60	40	1	1.58	1.35	1.13	.90

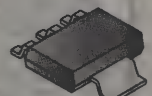
STMICROELECTRONICS Power MOSFET Transistors

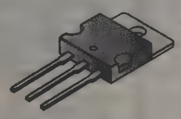
STMicroelectronics

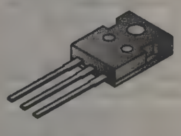
Products may be RoHS compliant.
Check mouser.com for RoHS status.

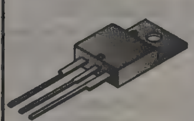
TSSOP-8

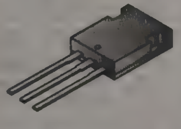

TO-252/TO-263


SOT-223


TO-220AB


TO-247


TO-220FP


MAX247

N-CHANNEL ENHANCEMENT MODE MOSFETs

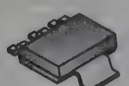
For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Static Drain-Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	10	100	250
Surface Mount											
511-STC5NF30V	STC5NF30V	TSSOP-8	30	5.0	1.5	0.031	2.5	.33	.30	.28	.26
511-STB140NF55	STB140NF55T4	TO-263	55	80.0	300.0	0.008	40.0	1.94	1.91	1.77	1.62
511-STD45NF75	STD45NF75T4	TO-252	75	40.0	100.0	0.024	20.0	.84	.82	.76	.70
511-STN2NE10	STN2NE10	SOT-223	100	2.0	2.5	0.400	1.0	.49	.45	.41	.38
511-STD10NF10	STD10NF10T4	TO-252	100	10.0	50.0	0.130	5.0	.64	.63	.58	.53
511-STD15NF10	STD15NF10t4	TO-252	100	23.0	70.0	0.065	10.0	.70	.69	.63	.58
511-STB80NF10	STB80NF10T4	TO-263	100	80.0	300.0	0.015	40.0	1.97	1.94	1.79	1.64
511-STD5N20	STD5N20T4	TO-252	200	5.0	45.0	0.800	2.5	.56	.55	.51	.47
511-STD20N20	STD20N20T4	TO-252	200	18.0	90.0	0.125	10.0	.96	.95	.87	.80
511-STB5NK50Z	STB5NK50ZT4	TO-263	500	4.4	70.0	1.500	2.2	.67	.66	.61	.56
511-STB20NK50Z	STB20NK50ZT4	TO-263	500	17.0	190.0	0.270	8.5	2.08	2.05	1.79	1.55
511-STB8NM60	STB8NM60T4	TO-263	650	5.0	96.0	1.000	2.5	1.89	1.86	1.71	1.57
511-STD2NK70Z	STD2NK70ZT4	TO-252	700	1.6	45.0	7.000	0.8	.80	.79	.73	.67
511-STB12NK80Z	STB12NK80ZT4	TO-263	800	10.5	190.0	0.750	5.25	2.34	2.31	2.01	1.74
511-STD2NK90Z	STD2NK90ZT4	TO-252	900	2.1	70.0	6.500	1.05	.80	.79	.73	.67
511-STB120NF10	STB120NF10T4	TO-263	1000	120.0	312.0	0.0105	60.00	2.06	2.03	1.77	1.53
Thru-Hole											
511-STP100NF04	STP100NF04	TO-220AB	40	120.0	300.0	0.0046	50.0	2.18	2.15	1.87	1.62
511-STP80NF55-06	STP80NF55-06	TO-220AB	55	80.0	300.0	0.0065	40.0	1.53	1.51	1.39	1.28
511-STP140NF55	STP140NF55	TO-220AB	55	80.0	300.0	0.0080	40.0	1.55	1.53	1.41	1.30
511-STP85NF55	STP85NF55	TO-220AB	55	80.0	300.0	0.008	40.0	1.79	1.76	1.62	1.49
511-STP80NF55-08	STP80NF55-08	TO-220AB	55	80.0	300.0	0.008	40.0	1.95	1.92	1.77	1.62
511-STP16NF06	STP16NF06L	TO-220AB	60	16.0	45.0	0.100	8.0	.41	.38	.34	.32
511-STF20NF06	STF20NF06	TO-220FP	60	20.0	28.0	0.070	10.0	.46	.42	.39	.36
511-STP20NF06	STP20NF06	TO-220AB	60	20.0	28.0	0.070	10.0	.60	.59	.54	.50
511-STF40NF06	STF40NF06	TO-220FP	60	23.0	30.0	0.028	11.5	.84	.82	.76	.70
511-STP45NF06	STP45NF06	TO-220AB	60	38.0	80.0	0.028	19.0	.86	.84	.78	.71
511-STP55NF06	STP55NF06	TO-220AB	60	50.0	110.0	0.018	27.5	.72	.71	.65	.60
511-STP60NE06-16	STP60NE06-16	TO-220AB	60	60.0	150.0	0.016	30.0	1.39	1.37	1.26	1.16
511-STP60NF06	STP60NF06	TO-220AB	60	60.0	110.0	0.016	30.0	.99	.97	.90	.82
511-STP24NF10	STP24NF10	TO-220AB	100	24.0	85.0	0.060	12.0	.88	.86	.80	.73
511-STP35NF10	STP35NF10	TO-220AB	100	40.0	115.0	0.035	17.5	.82	.80	.74	.68
511-STP60NF10	STP60NF10	TO-220AB	100	80.0	300.0	0.023	40.0	1.69	1.66	1.53	1.41
511-STP80NF10	STP80NF10	TO-220AB	100	80.0	300.0	0.015	40.0	1.85	1.82	1.68	1.54
511-STP40NF12	STP40NF12	TO-220AB	120	40.0	150.0	0.032	20.0	1.14	1.13	1.04	.95
511-STP40NS15	STP40NS15	TO-220AB	150	40.0	140.0	0.052	40.0	1.87	1.84	1.70	1.56
511-IRF630	IRF630	TO-220AB	200	9.0	75.0	0.400	5.0	.60	.59	.54	.50
511-IRF640	IRF640	TO-220AB	200	18.0	125.0	0.180	9.0	.90	.88	.81	.75
511-STF20N20	STF20N20	TO-220FP	200	18.0	25.0	0.125	10.0	1.03	1.02	.94	.86
511-STW34NB20	STW34NB20	TO-247	200	34.0	180.0	0.075	17.0	2.78	2.73	2.38	2.06
511-STP40N20	STP40N20	TO-220AB	200	40.0	160.0	0.045	20.0	1.94	1.91	1.77	1.62
511-STW40N20	STW40N20	TO-247	200	40.0	160.0	0.045	20.0	2.28	2.25	1.96	1.70
511-STP22NS25Z	STP22NS25Z	TO-220AB	250	22.0	135.0	0.150	11.0	1.49	1.47	1.35	1.24
511-STW52NK25Z	STW52NK25Z	TO-247	250	52.0	300.0	0.045	26.0	3.42	3.37	2.94	2.54
511-STY60NK30Z	STY60NK30Z	MAX247	300	60.0	450.0	0.045	30.0	6.28	6.19	5.39	4.66
511-STP6NK50Z	STP6NK50Z	TO-220AB	500	5.6	90.0	1.200	2.8	.64	.63	.58	.53
511-STP12NM50	STP12NM50	TO-220AB	500	12.0	160.0	0.350	6.0	3.47	3.42	2.98	2.58
511-STP12NM50FP	STP12NM50FP	TO-220FP	500	12.0	35.0	0.350	6.0	2.58	2.54	2.21	1.92
511-STW14NK50Z	STW14NK50Z	TO-247	500	14.0	150.0	0.380	6.0	2.38	2.34	2.04	1.77
511-STW14NM50	STW14NM50	TO-247	500	14.0	175.0	0.350	6.0	3.87	3.81	3.32	2.87
511-STW20NK50Z	STW20NK50Z	TO-247	500	17.0	190.0	0.270	8.5	2.28	2.25	1.96	1.70
511-STW20NM50	STW20NM50	TO-247	500	20.0	214.0	0.250	10.0	3.96	3.90	3.40	2.94
511-STW20NM50FD	STW20NM50FD	TO-247	500	20.0	214.0	0.250	10.0	4.95	4.88	4.25	3.68
511-STP20NM50	STP20NM50	TO-220AB	500	20.0	192.0	0.250	10.0	3.96	3.90	3.40	2.94
511-STP20NM50FP	STP20NM50FP	TO-220FP	500	20.0	45.0	0.250	10.0	4.16	4.10	3.57	3.09
511-STW26NM50	STW26NM50	TO-247	500	30.0	313.0	0.120	13.0	7.92	7.80	6.80	5.88
511-STW29NK50Z	STW29NK50Z	TO-247	500	31.0	350.0	0.130	15.5	5.94	5.85	5.10	4.41
511-STW45NM50	STW45NM50	TO-247	500	45.0	417.0	0.100	22.5	9.81	9.66	8.42	7.28
511-STW45NM50FD	STW45NM50FD	TO-247	500	45.0	417.0	0.100	22.5	10.78	9.90	7.59	7.15
511-STE53NC50	STE53NC50	ISOTOP	500	53.0	460.0	0.080	27.0	30.10	25.90	22.75	22.23
511-STY60NM50	STY60NM50	MAX247	500	60.0	560.0	0.050	30.0	16.66	15.30	11.73	11.05
511-STP2NK60Z	STP2NK60Z	TO-220AB	600	1.4	45.0	8.000	0.7	.41	.38	.34	.32
511-STP11NM60	STP11NM60	TO-220AB	600	11.0	160.0	0.450	5.5	2.38	2.34	2.04	1.77
511-STP11NM60FD	STP11NM60FD	TO-220AB	600	11.0	160.0	0.450	5.5	2.97	2.93	2.55	2.21
511-STP16NK60Z	STP16NK60Z	TO-220AB	600	14.0	190.0	0.420	7.0	1.49	1.47	1.35	1.24
511-STP20NM60FP	STP20NM60FP	TO-220FP	600	20.0	45.0	0.290	10.0	4.16	4.10	3.57	3.09
511-STW26NM60	STW26NM60	TO-247	600	30.0	313.0	0.135	13.0	7.92	7.80	6.80	5.88
511-STW45NM60	STW45NM60	TO-247	650	45.0	417.0	0.110	22.5	9.90	9.75	8.50	7.35
511-STF11NM80	STF11NM80	TO-220FP	800	11.0	35.0	0.400	5.5	3.96	3.90	3.40	2.94
511-STP11NM80	STP11NM80	TO-220AB	800	11.0	160.0	0.450	5.5	3.96	3.90	3.40	2.94
511-STW11NM80	STW11NM80	TO-247	800	11.0	150.0	0.400	5.5	4.76	4.68	4.08	3.53
511-STW18NK80Z	STW18NK80Z	TO-247	800	18.0	350.0	0.380	10.0	4.10	4.04	3.52	3.05
511-STE45NK80ZD	STE45NK80ZD	ISOTOP	800	45.0	600.0	0.130	22.5	51.60	44.40	39.00	38.10
511-STP2NK90Z	STP2NK90Z	TO-220AB	900	2.1	70.0	6.500	1.05	.62	.61	.56	.52
511-STF3HNK90Z	STF3HNK90Z	TO-220FP	900	3.0	25.0	4.200	1.5	.73	.72	.67	.61
511-STP9NK90Z	STP9NK90Z	TO-220AB	900	8.0	160.0	1.300	3.60	1.71	1.68	1.55	1.42
511-STW9NK90Z	STW9NK90Z	TO-247	900	8.0	160.0	1.300	3.60	1.95	1.92	1.77	1.62
511-STW12NK90Z	STW12NK90Z	TO-247	900	11.0	230.0	0.880	5.50	3.09	3.05	2.66	2.30
511-STE40NK90ZD	STE40NK90ZD	ISOTOP	900	40.0	600.0	0.180	20.0	51.60	44.40	39.00	38.10
511-STF5NK100Z	STF5NK100Z	TO-220FP	1000	3.5	30.0	3.700	1.75	1.65	1.62	1.50	1.37
511-STP5NK100Z	STP5NK100Z	TO-220AB	1000	3.5	125.0	3.700	1.75	1.78	1.75	1.62	1.49

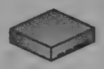
STMICROELECTRONICS Power MOSFET Transistors

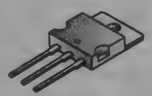
STMicroelectronics

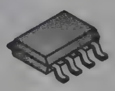
Products may be RoHS compliant. Check mouser.com for RoHS status.

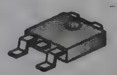

SOT-223

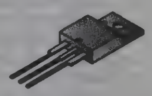
PowerFlat (3.3 x 3.3)

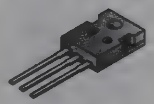

PowerFlat (6 x 5)

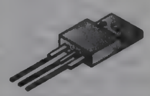

TO-220AB


SO-8


TO-252/TO-263


TO-220FP


TO-247


ISOWATT220AB

P-CHANNEL ENHANCEMENT MODE MOSFETs

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Breakdown Voltage (Min) (V)	Drain Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Static Drain Source On Resistance		Price Each			
						Ohms (Max)	@ Drain Current (A)	1	10	100	250
Surface Mount											
511-STD10PF06-TR	STD10PF06T4	TO-252	60	10.0	40.0	0.200	5.0	.39	.36	.33	.30
Thru-Hole											
511-STP80PF55	STP80PF55	TO-220AB	55	80.0	300.0	0.018	40.0	1.63	1.60	1.48	1.36
511-STF12PF06	STF12PF06	TO-220FP	60	12.0	225.0	0.200	10.0	.55	.54	.50	.46
511-STP12PF06	STP12PF06	TO-220AB	60	12.0	225.0	0.200	10.0	.41	.38	.34	.32

N-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETS

✻ Dual Gate MOSFETs

For quantities 500 and up, call for quote.

Surface Mount											
511-STN5PF02V	STN5PF02V	SOT-223	20	5.0	2.5	0.0650	5.0	.47	.43	.40	.37
✻ 511-STD95NH02L	STD95NH02LT4	TO-252	24	80.0	100.00	0.0050	40.00	1.55	1.53	1.41	1.29
✻ 511-STL8NH3LL	STL8NH3LL	PowerFlat 3.3x3.3	30	8.0	50.0	0.0150	4.0	.84	.82	.76	.70
✻ 511-STS8DNF3LL	STS8DNF3LL	SO-8	30	8.0	2.0	0.0200	4.0	.70	.69	.63	.58
✻ 511-STS8DNH3LL	STS8DNH3LL	SO-8	30	8.0	2.0	0.0220	4.0	.74	.73	.67	.62
✻ 511-STS12NF30L	STS12NF30L	SO-8	30	12.0	2.5	0.0100	6.0	.74	.73	.67	.62
511-STS12NH3LL	STS12NH3LL	SO-8	30	12.0	2.5	0.0105	6.0	.80	.78	.72	.66
511-STS25NH3LL	STS25NH3LL	SO-8	30	25.0	3.2	0.0035	12.5	1.09	1.08	.99	.91
511-STL50NH3LL	STL50NH3LL	PowerFlat 6x5	30	27.0	60.0	0.0130	6.5	.96	.94	.87	.80
511-STN3NF06L	STN3NF06L	SOT-223	60	3.0	2.5	0.1000	1.5	.60	.59	.54	.50
511-STD12NF06L	STD12NF06LT4	TO-252	60	12.0	30.0	0.1000	6.0	.37	.34	.31	.29
511-STB16NF06L	STB16NF06LT4	TO-263	60	16.0	45.0	0.1000	8.0	.55	.54	.50	.46
511-STD16NF06L	STD16NF06LT4	TO-252	60	24.0	40.0	0.0700	8.0	.55	.54	.50	.46
511-STB55NF06L	STB55NF06LT4	TO-263	60	55.0	95.0	0.0140	27.5	.90	.88	.81	.75
511-STN2NE10L	STN2NE10L	SOT-223	100	1.8	2.5	0.4000	1.0	.51	.47	.43	.40
511-STD5N20L	STD5N20LT4	TO-252	200	5.0	33.0	0.7000	2.5	.56	.55	.51	.47
Thru-Hole											
511-STP40NF03L	STP40NF03L	TO-220AB	30	40.0	70.0	0.0350	20.0	1.09	1.08	.99	.91
511-STP80NE03L06	STP80NE03L-06	TO-220AB	30	80.0	150.0	0.0060	40.0	2.18	2.15	1.87	1.62
511-STP80NF03L-04	STP80NF03L-04	TO-220AB	30	80.0	300.0	0.0040	40.0	2.18	2.15	1.87	1.62
511-STP16NF06L	STP16NF06L	TO-220AB	60	16.0	45.0	0.1000	8.0	.51	.47	.43	.40
511-STP20NF06L	STP20NF06L	TO-220AB	60	20.0	60.0	0.0700	10.0	.60	.59	.54	.50
511-STP36NF06L	STP36NF06L	TO-220AB	60	30.0	70.0	0.0480	15.0	.80	.78	.72	.66
511-STP55NF06L	STP55NF06L	TO-220AB	60	55.0	95.0	0.0200	27.5	.80	.78	.72	.66

P-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETS

Surface Mount

✻ Dual Gate MOSFETs

For quantities 500 and up, call for quote.

✻ 511-STS4DPFS30L	STS4DPFS30L	SO-8	30	5.0	2.50	0.0550	2.50	.88	.86	.80	.73
511-STS10PF30L	STS10PF30L	SO-8	30	10.0	2.50	0.0140	5.0	.80	.78	.72	.66
✻ 511-STS3DPF60L	STS3DPF60L	SO-8	60	3.0	2.00	0.1200	1.5	.76	.75	.69	.63
511-STB16PF06L	STB16PF06LT4	TO-263	60	16.0	70.0	0.1250	8.0	.68	.67	.62	.57

N & P-CHANNEL ENHANCEMENT MODE LOGIC LEVEL MOSFETS

Surface Mount

For quantities 500 and up, call for quote.

511-STS8C5H30L	STS8C5H30L	SO-8	30/30	8.0/5.0	1.60	0.022/0.025	4.0/4.0	.84	.82	.76	.70

N-CHANNEL IGBT (INSULATED GATE BIPOLAR TRANSISTOR) MOSFETS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Collector-Emitter Voltage (Min) (V)	Collector Current (Cont.) (Max) (A)	Total Dissipation @ 25°C (Max)(W)	Delay Time		Price Each			
						On (nS) (Typ)	Off (nS) (Typ)	1	10	100	250
Surface Mount											
511-STGB7NC60HD	STGB7NC60HDT4	TO-263	600	14.0	80.0	18.5	72.0	1.05	1.04	.96	.88
511-STGD5NB120SZ	STGD5NB120SZT4	TO-252	1200	5.0	55.0	690.0	12100.0	.92	.90	.83	.76
Thru-Hole											
511-STGF7NC60HD	STGF7NC60HD	TO-220FP	600	7.0	25.0	18.5	116.0	1.19	1.17	1.08	.99
511-STGP10NB60S	STGP10NB60S	TO-220AB	600	10.0	80.0	700.0	-----	2.50	2.46	2.15	1.86
511-STGP20NC60V	STGP20NC60V	TO-220AB	600	30.0	200.0	31.0	100.0	2.28	2.25	1.96	1.70
511-STGW20NC60V	STGW20NC60V	TO-247	600	30.0	200.0	31.0	100.0	3.08	3.03	2.65	2.29
511-STGW20NC60VD	STGW20NC60VD	TO-247	600	30.0	200.0	31.0	100.0	3.19	3.14	2.74	2.37
511-STGW40NC60V	STGW40NC60V	TO-247	600	50.0	260.0	43.0	140.0	5.93	5.84	5.09	4.40

N-CHANNEL INTERNALLY CLAMPED IGBT (INSULATED GATE BIPOLAR TRANSISTOR) MOSFETS

Surface Mount

For quantities 500 and up, call for quote.

511-STGB20NB41LZ	STGB20NB41LZT4	TO-263	Clamped	20.0	200.0	1000.0	12.1	2.74	2.70	2.35	2.03

AUTOPROTECTED POWER MOSFETS

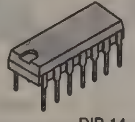
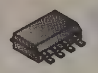
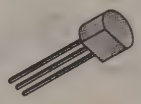
For quantities 500 and up, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Drain Source Clamp Voltage Min. (V)	Drain Current Limit Min. (A)	Static Drain-Source On State Resistance Max. (Ω)	Power Dissipation (W)	Turn-On/ Turn-Off Delay Time Typ. (nS)	Price Each			
								1	10	100	250
Surface Mount											
511-VNS3NV04D-E	VNS3NV04D-E	SO-8	40	3.5	0.0024	4.0	300/1350	1.14	.97	.84	.75
511-VND5N07-E	VND5N07-E	TO-252	70	5.0	0.28	60.0	100/300	1.20	1.02	.89	.80
511-VNB20N07-E	VNB20N07-E	TO-263	70	20.0	0.07	83.0	180/800	2.54	2.16	1.76	1.67
Thru-Hole											
511-VNP14NV04-E	VNP14NV04-E	TO-220AB	40	12.0	0.035	70.0	80/450	1.52	1.29	1.14	1.05
511-VNP35NV04-E	VNP35NV04-E	TO-220AB	40	30.0	0.01	125.0	150/900	4.54	3.86	3.16	3.00
511-VNP14N04-E	VNP14N04-E	TO-220AB	42	14.0	0.10	50.0	120/400	1.58	1.34	1.17	1.05
511-VNP49N04-E	VNP49N04-E	TO-220AB	42	49.0	0.05	125.0	600/2400	3.40	2.89	2.37	2.25
511-VNW100N04-E	VNW100N04-E	TO-247	42	100.0	0.015	50.0	250/1800	7.64	6.49	5.73	5.27
511-VNP10N06-E	VNP10N06-E	TO-220AB	60	10.0	0.30	42.0	1600/400	1.08	.92	.80	.71
511-VNP10N07-E	VNP10N07-E	TO-220AB	70	10.0	0.14	50.0	100/400	1.58	1.34	1.17	1.05
511-VNP35N07-E	VNP35N07-E	TO-220AB	70	35.0	0.035	125.0	200/1000	3.70	3.15	2.58	2.45
511-VNP35N07FI-E	VNP35N07FI-E	ISOWATT220AB	70	35.0	0.035	40.0	200/1000	3.80	3.23	2.85	2.62

SUPERTEX Enhancement-Mode MOSFETs

Supertex

Products may be RoHS compliant.
Check mouser.com for RoHS status.

RoHS Compliant	 DIP-14	SOIC-8	 SOIC-8 (Narrow)	SOT-23-3	SOT-89-3	 TO-92

SUPERTEX P-CHANNEL ENHANCEMENT-MODE MOSFETs

◆Surface Mount Device
† Low Threshold
For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	RoHS Compliant	Drain-to-Source Breakdown Voltage	Gate Threshold Voltage		Drain-to-Source ON-State Resistance	ON-State Drain Current	Input Capacitance	Turn-ON/ Turn-OFF Delay Time		Power Dissipation	Price Each			
				BV_{DSS}	$V_{GS(th)}$		$R_{DS(ON)}$	$I_{D(ON)}$	C_{ISS}	$t_{(ON)}$	$t_{(OFF)}$	@ TA=25°C				
				Min. (V)	Min. (V)	Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)	1	100	500	1000
†689-LP0701N3-G	LP0701N3-G	TO-92	Yes	-16.5	0.5	-1	1.5	-1.25	120	20	80	1	.99	.82	.76	.73
◆†689-TP2502N8-G	TP2502N8-G	SOT-89-3	Yes	-20	-1	-2.4	2	-2	100	10	15	1.6	.86	.71	.66	.63
689-VP3203N3-G	VP3203N3-G	TO-92	Yes	-30	-1	-3.5	0.6	-4	220	10	25	0.74	.99	.82	.76	.73
◆†689-TP2104K1-G	TP2104K1-G	SOT-23-3	Yes	-40	-1	-2	6	-0.6	45	6	9	0.36	.44	.36	.34	.32
†689-TP2104N3-G	TP2104N3-G	TO-92	Yes	-40	-1	-2	6	-0.6	45	6	9	0.74	.42	.35	.32	.31
689-VP0104N3-G	VP0104N3-G	TO-92	Yes	-40	-1.5	-3.5	8	-0.5	45	4	8	1	.51	.43	.39	.38
◆ 689-TP0610T-G	TP0610T-G	SOT-23-3	Yes	-60	-1	-2.4	10	-0.05	60	10	15	0.36	.49	.41	.38	.36
†689-TP0606N3-G	TP0606N3-G	TO-92	Yes	-60	-1	-2.4	3.5	-1.5	80	10	20	1	.59	.49	.45	.43
689-VP2106N3-G	VP2106N3-G	TO-92	Yes	-60	-1.5	-3.5	12	-0.5	45	5	9	0.74	.34	.28	.26	.25
689-VP0106N3-G	VP0106N3-G	TO-92	Yes	-60	-1.5	-3.5	8	-0.5	45	4	8	1	.53	.44	.41	.39
689-VP2206N3-G	VP2206N3-G	TO-92	Yes	-60	-1	-3.5	0.9	-4	325	15	50	1	1.37	1.14	1.05	1.01
689-VP0808L-G	VP0808L-G	TO-92	Yes	-80	-1	-4.5	5	-1.1	150	15	30	1	1.03	.85	.79	.76
689-VP0109N3-G	VP0109N3-G	TO-92	Yes	-90	-1.5	-3.5	8	-0.5	45	4	8	1	.59	.49	.45	.43
◆†689-TP2510N8-G	TP2510N8-G	SOT-89-3	Yes	-100	-1	-2.4	3.5	-1.5	80	10	20	1.6	.82	.68	.63	.60
◆ 689-VP2110K1-G	VP2110K1-G	SOT-23-3	Yes	-100	-1.5	-3.5	12	-0.5	45	5	9	0.74	.42	.35	.32	.31
†689-TP0620N3-G	TP0620N3-G	TO-92	Yes	-200	-1	-2.4	12	-0.75	85	10	20	1	.95	.79	.73	.70
◆†689-TP2520N8-G	TP2520N8-G	SOT-89-3	Yes	-200	-1	-2.4	12	-0.25	75	10	20	1.6	.91	.76	.70	.67
◆†689-TP2522N8-G	TP2522N8-G	SOT-89-3	Yes	-220	-1	-2.4	12	-0.25	75	10	20	1.6	.93	.77	.72	.69
◆†689-TP2424N8-G	TP2424N8-G	SOT-89-3	Yes	-240	-1	-2.4	8	-0.8	200	20	35	1.6	.95	.79	.73	.70
†689-TP2635N3-G	TP2635N3-G	TO-92	Yes	-350	-0.8	-2	15	-0.7	220	10	60	1	1.06	.88	.82	.78
◆†689-TP5335K1-G	TP5335K1-G	SOT-23-3	Yes	-350	-1	-2.4	30	-0.4	65	20	25	0.36	.61	.51	.47	.45
†689-TP2535N3-G	TP2535N3-G	TO-92	Yes	-350	-1	-2.4	25	-0.4	60	10	20	0.74	.91	.76	.70	.67
◆†689-TP2435N8-G	TP2435N8-G	SOT-89-3	Yes	-350	-1	-2.4	15	-0.8	200	15	25	1.6	.99	.82	.76	.73
◆†689-TP2640LG-G	TP2640LG-G	SOIC-8 (N)	Yes	-400	-0.8	-2	15	-0.7	220	10	60	1.3	1.33	1.11	1.02	.98
†689-TP2640N3-G	TP2640N3-G	TO-92	Yes	-400	-0.8	-2	15	-0.7	220	10	60	1	1.10	.92	.85	.81
†689-TP2540N3-G	TP2540N3-G	TO-92	Yes	-400	-1	-2.4	25	-0.4	60	10	20	0.74	.95	.79	.73	.70
◆†689-TP2540N8-G	TP2540N8-G	SOT-89-3	Yes	-400	-1	-2.4	25	-0.4	60	10	20	1.6	1.05	.87	.80	.77
689-VP2450N3-G	VP2450N3-G	TO-92	Yes	-500	-1.5	-3.5	30	-0.2	130	10	45	1	1.08	.90	.83	.80
◆ 689-VP2450N8-G	VP2450N8-G	SOT-89-3	Yes	-500	-1.5	-3.5	30	-0.2	130	10	45	1.6	1.14	.95	.88	.84
689-VP0550N3-G	VP0550N3-G	TO-92	Yes	-500	-2	-4.5	125	-0.1	40	10	15	1	1.18	.98	.91	.87

SUPERTEX N-CHANNEL ENHANCEMENT-MODE MOSFETs

† Low Threshold
For quantities 2000 and up, call for quote.

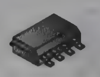
MOUSER STOCK NO.	Supertex Part No.	Package Type	RoHS Compliant	Drain-to-Source Breakdown Voltage	Gate Threshold Voltage		Drain-to-Source ON-State Resistance	ON-State Drain Current	Input Capacitance	Turn-ON/ Turn-OFF Delay Time		Power Dissipation	Price Each			
				BV_{DSS}	$V_{GS(th)}$		$R_{DS(ON)}$	$I_{D(ON)}$	C_{ISS}	$t_{(ON)}$	$t_{(OFF)}$	@ TA=25°C				
				Min. (V)	Min. (V)	Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)	1	100	500	1000
◆†689-TN2501N8-G	TN2501N8-G	SOT-89-3	Yes	18	0.3	1	2.5	0.25	70	5	15	1.6	.82	.68	.63	.60
†689-TN0702N3-G	TN0702N3-G	TO-92	Yes	20	0.5	1	1.3	0.5	130	20	30	1	.76	.63	.58	.56
689-VN0300L-G	VN0300L-G	TO-92	Yes	30	0.8	2.5	1.2	1	190	30	30	1	.76	.63	.58	.56
†689-TN0604N3-G	TN0604N3-G	TO-92	Yes	40	0.6	1.6	0.75	4	140	10	25	1	.70	.58	.54	.52
◆†689-TN2504N8-G	TN2504N8-G	SOT-89-3	Yes	40	0.6	1.6	1	4	70	10	25	1.6	.74	.62	.57	.55
†689-TN0104N3-G	TN0104N3-G	TO-92	Yes	40	0.6	1.6	1.8	2	50	5	9	1	.63	.52	.48	.46
◆†689-TN0104N8-G	TN0104N8-G	SOT-89-3	Yes	40	0.6	1.6	2	2	50	5	9	1.6	.76	.63	.58	.56
689-VN0104N3-G	VN0104N3-G	TO-92	Yes	40	0.8	2.4	3	2	35	5	9	1	.42	.35	.32	.31
689-VN3205N3-G	VN3205N3-G	TO-92	Yes	50	0.8	2.4	0.3	3	220	10	25	1	.89	.74	.69	.66
689-VN3205N6	VN3205N6	DIP-14	No	50	0.8	2.4	0.3	3	220	10	25	3	3.71	3.08	2.85	2.73
◆ 689-VN3205N8-G	VN3205N8-G	SOT-89-3	Yes	50	0.8	2.4	0.3	3	220	10	25	1.6	.97	.81	.74	.71
†689-TN0606N3-G	TN0606N3-G	TO-92	Yes	60	0.6	2	1.5	3	100	6	16	1	.53	.44	.41	.39
◆†689-TN2106K1-G	TN2106K1-G	SOT-23-3	Yes	60	0.6	2	2.5	0.6	45	5	9	0.36	.34	.28	.26	.25
†689-TN2106N3-G	TN2106N3-G	TO-92	Yes	60	0.6	2	2.5	0.6	45	5	9	0.74	.36	.30	.28	.27
†689-TN0106N3-G	TN0106N3-G	TO-92	Yes	60	0.6	2	3	2	50	5	7	1	.53	.44	.41	.39
689-VN2222LL-G	VN2222LL-G	TO-92	Yes	60	0.6	2.5	7.5	0.75	60	10	10	1	.29	.24	.22	.21
689-VN0606L-G	VN0606L-G	TO-92	Yes	60	0.8	2	3	1.5	50	10	10	1	.80	.66	.61	.59
689-VN0106N3-G	VN0106N3-G	TO-92	Yes	60	0.8	2.4	3	2	55	5	9	1	.44	.36	.34	.32
689-VN2106N3-G	VN2106N3-G	TO-92	Yes	60	0.8	2.4	4	0.6	35	5	9	1	.27	.22	.21	.20
689-VN10KN3-G	VN10KN3-G	TO-92	Yes	60	0.8	2.5	5	0.75	60	10	10	1	.32	.27	.25	.24
689-2N7000-G	2N7000-G	TO-92	Yes	60	0.8	3.0	5.3	0.75	60	10	10	1	.27	.22	.21	.20
◆ 689-2N7002-G	2N7002-G	SOT-23-3	Yes	60	1	2.5	7.5	0.5	50	20	20	0.36	.34	.28	.26	.25
689-2N7008	2N7008	TO-92	No	60	1	2.5	7.5	0.5	50	20	20	1	.32	.27	.25	.24
689-2N7000	2N7000	TO-92	No	60	0.8	3	5	0.75	60	10	10	1	.23	.19	.18	.17
689-VN0808L-G	VN0808L-G	TO-92	Yes	80	0.8	2	4	1.5	50	10	10	1	.80	.66	.61	.59
†689-TN0610N3-G	TN0610N3-G	TO-92	Yes	100	0.6	2	1.5	3	100	6	16	1	.68	.57	.53	.50
◆†689-TN2510N8-G	TN2510N8-G	SOT-89-3	Yes	100	0.6	2	1.5	3	70	10	20	1.6	.72	.60	.55	.53
†689-TN0110N3-G	TN0110N3-G	TO-92	Yes	100	0.6	2	3	2	50	5	7	1	.63	.52	.48	.46
689-VN2210N3-G	VN2210N3-G	TO-92	Yes	100	0.8	2.4	0.35	8	300	15	65	1	1.33	1.11	1.02	.98
◆ 689-VN2110K1-G	VN2110K1-G	SOT-23-3	Yes	100	0.8	2.4	4	0.6	35	5	9	0.36	.34	.28	.26	.25
689-VN1206L-G	VN1206L-G	TO-92	Yes	120	0.8	2	6	1	125	8	18	1	1.08	.90	.83	.80
†689-TN0620N3-G	TN0620N3-G	TO-92	Yes	200	0.6	1.6	6	1	110	10	20	1	.87	.73	.67	.64
◆†689-TD9944TG-G	TD9944TG-G	SOIC-8	Yes	240	0.6	2	6	1	65	10	20	- - -	1.71	1.42	1.31	1.26
◆†689-TN2524N8-G	TN2524N8-G	SOT-89-3	Yes	240	0.6	2	6	1	65	10	20	1.6	.82	.68	.63	.60
689-VN2406L-G	VN2406L-G	TO-92	Yes	240	0.8	2	6	1	125	8	23	1	.99	.82	.76	.73

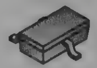
SUPERTEX Enhancement & Depletion Mode MOSFETs **Supertex**

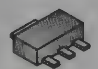
RoHS Compliant **This page of product is compliant.**

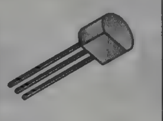
RoHS Compliant

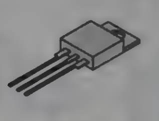
SOIC-8


SOIC-8 (Narrow)


SOT-23-3


SOT-89-3


TO-92


TO-220

TO-252

♦Surface Mount Device

SUPERTEX N-CHANNEL ENHANCEMENT-MODE MOSFETS (CONT.)

† Low Threshold

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	Drain-to-Source Breakdown Voltage	Gate Threshold Voltage		Drain-to-Source ON-State Resistance	ON-State Drain Current	Input Capacitance	Turn-ON/ Turn-OFF Delay Time		Power Dissipation	Price Each			
			BV_{DSS}	$V_{GS(th)}$		$R_{DS(ON)}$	$I_{D(ON)}$	C_{ISS}	$t_{(ON)}$	$t_{(OFF)}$	@ TA=25°C				
			Min. (V)	Min. (V)	Max. (V)	Max. (Ω)	Min. (A)	(pF)	Max. (ns)	Max. (ns)	(W)	1	100	500	1000
689-VN2410L-G	VN2410L-G	TO-92	240	0.8	2	10	1	125	8	23	1	.63	.52	.48	.46
♦ 689-TN2124K1-G	TN2124K1-G	SOT-23-3	240	0.8	2	15	0.14	38	7	10	0.36	.46	.38	.35	.34
† 689-VN2224N3-G	VN2224N3-G	TO-92	240	1	3	1.25	5	300	15	90	1	2.07	1.72	1.59	1.53
689-TN5325N3-G	TN5325N3-G	TO-92	250	0.6	2	7	1.2	70	20	25	0.74	.40	.33	.31	.29
♦ † 689-TN5325K1-G	TN5325K1-G	SOT-23-3	250	0.6	2	7	1.2	110	20	25	0.74	.36	.30	.28	.27
♦ † 689-TN2425N8-G	TN2425N8-G	SOT-89-3	250	0.8	2.4	3.5	0.8	105	15	35	1.6	.86	.71	.66	.63
♦ † 689-TN2130K1-G	TN2130K1-G	SOT-23-3	300	0.8	2.4	25	0.25	35	10	12	0.36	.46	.38	.35	.34
† 689-VN3515L-G	VN3515L-G	TO-92	350	0.6	1.8	15	0.15	110	20	65	1	.97	.81	.74	.71
♦ 689-TN2535N8-G	TN2535N8-G	SOT-89-3	350	1	2	10	1	125	20	25	1.6	.86	.71	.66	.63
♦ † 689-TN5335K1-G	TN5335K1-G	SOT-23-3	350	0.6	2	15	0.75	65	20	25	0.36	.53	.44	.41	.39
♦ † 689-TN2435N8-G	TN2435N8-G	SOT-89-3	350	0.8	2.4	6	1	200	20	40	1.6	.89	.74	.69	.66
† 689-VN4012L-G	VN4012L-G	TO-92	400	0.6	1.8	12	0.15	110	20	65	1	1.06	.88	.82	.78
♦ 689-TN2640LG-G	TN2640LG-G	SOIC-8 (N)	400	0.8	2	5	2	180	15	25	1.3	1.29	1.07	.99	.95
† 689-TN2640N3-G	TN2640N3-G	TO-92	400	0.8	2	5	2	180	15	25	1	1.03	.85	.79	.76
† 689-TN2540N3-G	TN2540N3-G	TO-92	400	0.6	2	12	1	95	20	25	1	.84	.70	.64	.62
♦ † 689-TN2540N8-G	TN2540N8-G	SOT-89-3	400	0.6	2	12	1	95	20	25	1.6	.89	.74	.69	.66
† 689-VN2450N3-G	VN2450N3-G	TO-92	500	1.5	4	13	0.5	150	10	25	1	.97	.81	.74	.71
♦ 689-VN2450N8-G	VN2450N8-G	SOT-89-3	500	1.5	4	13	0.5	150	10	25	1.6	1.03	.85	.79	.76
689-VN0550N3-G	VN0550N3-G	TO-92	500	2	4	60	0.15	45	10	10	1	.99	.82	.76	.73
689-VN2460N3-G	VN2460N3-G	TO-92	600	1.5	4	20	0.25	150	10	25	1	.82	.68	.63	.60
♦ 689-VN2460N8-G	VN2460N8-G	SOT-89-3	600	1.5	4	20	0.25	150	10	25	1.6	.82	.68	.63	.60

SUPERTEX N & P-CHANNEL ENHANCEMENT-MODE MOSFETS

For quantities 2000 and up, call for quote.

♦ 689-TC2320TG-G	TC2320TG-G	SOIC-8	200/-200	0.6/-1.0	2.0/-2.4	7/12	1.0/-0.2	110/125	20/10	25/20	- - - - -	1.77	1.47	1.36	1.30
♦ 689-TC6320TG-G	TC6320TG-G	SOIC-8	200/-200	1.0/-1.0	2.0/-2.4	7/8	1.0/-1.0	110/200	10/10	20/20	- - - - -	1.86	1.55	1.43	1.37

SUPERTEX DEPLETION MODE N-CHANNEL MOSFETS

Advanced Vertical DMOS Technology N-Channel Depletion Mode Vertical DMOS FETs

These depletion-mode (normally-on) transistors utilize an advanced vertical DMOS structure and Supertex's well-proven silicon-gate manufacturing process. This combination produces devices with the power handling capabilities of bipolar transistors and with the high input impedance and positive temperature coefficient inherent in MOS devices. Characteristic of all MOS structure, these devices are free from thermal runaway and thermally-induced secondary breakdown.

Supertex's vertical DMOS FETs are ideally suited to a wide range of switching and amplifying applications where high breakdown voltage, high input impedance, low input capacitance, and fast switching speeds are desired.

Features:
- High input impedance
- Low input capacitance
- Fast switching speeds
- Low on resistance
- Free from secondary breakdown
- Low input and output leakage

Applications:
- Normally-on switches
- Solid state relays
- Converters
- Constant current sources
- Power supply circuits
- Telecom

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Supertex Part No.	Package Type	Drain-to-Source Breakdown Voltage	Drain-to-Source ON-State Resistance	Drain-to-Source Current	Gate-to-Source OFF Voltage		Reverse Recovery Time	Power Dissipation	Price Each			
			BV_{DSX}	$R_{DS(ON)}$	I_{DSS}	$V_{GS(OFF)}$		T_{rr}	@TA=25°C				
			Min. (V)	Max. (Ω)	Min. (mA)	Min. (V)	Max. (V)	TYP (ns)	(W)	1	100	500	1000
♦ 689-DN3525N8-G	DN3525N8-G	SOT-89-3	250	6	300	-1.5	-3.5	800	1.6	.80	.66	.61	.59
♦ 689-DN3535N8-G	DN3535N8-G	SOT-89-3	350	10	200	-1.5	-3.5	800	1.6	.82	.68	.63	.60
689-DN2540N5-G	DN2540N5-G	TO-220	400	25	150	-1.5	-3.5	800	15	1.60	1.33	1.23	1.18
♦ 689-DN3145N8-G	DN3145N8-G	SOT-89-3	450	60	120	-1.5	-3.5	800	1.3	.82	.68	.63	.60
689-DN3545N3-G	DN3545N3-G	TO-92	450	20	200	-1.5	-3.5	800	.74	.82	.68	.63	.60
♦ 689-DN3545N8-G	DN3545N8-G	SOT-89-3	450	20	200	-1.5	-3.5	800	1.6	.89	.74	.69	.66

Advanced Lateral DMOS Technology N-Channel Depletion Mode MOSFETs

The LND1 and LND2 are high voltage N-channel depletion-mode (normally-on) transistors utilizing Supertex's lateral DMOS technology. The gate is ESD protected. The LND1 and LND2 are ideal for high voltage applications in the areas of normally-on switches, precision constant current sources, voltage ramp generation and amplification.

Features:
- High input impedance and low CISS
- Low power drive requirement
- ESD gate protection
- Ease of paralleling
- Free from secondary breakdown
- Excellent thermal stability
- Integral source-drain diode

Applications:
- Normally-on switches
- Solid state relays
- Converters
- Constant current sources
- Power supply circuits
- Input protection circuits

For quantities 2000 and up, call for quote.

689-LND150N3-G	LND150N3-G	TO-92	500	1000	1	-1	-3	200	.74	.55	.46	.42	.41
♦ 689-LND150N8-G	LND150N8-G	SOT-89-3	500	1000	1	-1	-3	200	1.6	.72	.60	.55	.53
♦ 689-LND250K1-G	LND250K1-G	SOT-23-3	500	1000	1	-1	-3	200	.36	.46	.38	.35	.34

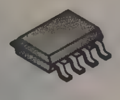
SUPERTEX N-CHANNEL IGBT (INSULATED GATE BIPOLAR TRANSISTOR) MOSFET

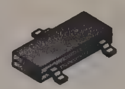
For quantities 2000 and up, call for quote.

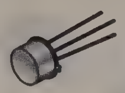
MOUSER STOCK NO.	Supertex Part No.	Package Type	Collector Emitter Breakdown Voltage	Collector Current	Power Dissipation @25°C	Gate Threshold Voltage		Delay Time		Rise/Fall Times	Price Each			
			Min. (V)	Max. (A)	Max. (W)	Min. (V)	Max. (V)	Min. (V)	Max. (V)	Max. (ns)	1	100	500	1000
♦ 689-GN2470K4-G	GN2470K4-G	TO-252	700	1	2.5	1.5	3.5	15	50	600/12000	.84	.70	.64	.62

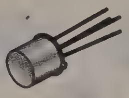
SILICONIX MOSFET Transistors

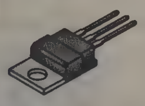
RoHS Compliant This page of product is compliant.

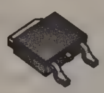

SO-8

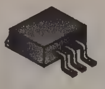

SOT-23

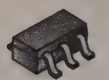

TO-39

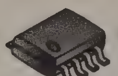

TO-72


TO-220AB


TO-252


TO-263


TSOP-6


TSSOP-8

P-CHANNEL MOSFETS (SINGLE CONFIGURATION)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =			Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5		1	100	500
Surface Mount												
781-SI3853DV-E3	SI3853DV-T1-E3	TSOP-6	- 20	± 1.8	± 7	0.200	0.340	-----	1.15	.74	.60	.56
781-SI6923DQ-E3	SI6923DQ-T1-E3	TSSOP-8	- 20	- 3.5	± 30	-----	0.050	0.085	1.2	1.87	1.51	1.42
781-SI4463BDY-T1-E3	SI4463BDY-T1-E3	SO-8	- 20	- 13.7	- 50	.011	0.014	0.020	1.5	1.22	.99	.93
781-SI3851DV-E3	SI3851DV-T1-E3	TSOP-6	- 30	± 1.8	± 7	0.200	0.360	-----	1.15	.74	.60	.56
781-SI4833DY-T1-E3	SI4833DY-T1-E3	SO-8	- 30	- 3.5	± 20	0.085	0.180	-----	2.0	1.24	1.00	.94
781-SI4831DY-T1-E3	SI4831DY-T1-E3	SO-8	- 30	± 5.0	± 20	0.045	0.090	-----	2.0	.90	.73	.69
781-SI4435BDY-E3	SI4435BDY-T1-E3	SO-8	- 30	- 9.1	- 50	0.020	0.035	-----	1.5	.80	.65	.61
781-SI4835BDY-T1-E3	SI4835BDY-T1-E3	SO-8	- 30	- 9.6	- 50	0.018	0.03	-----	1.5	.80	.65	.61
781-SUB65P04-15-E3	SUB65P04-15-E3	TO-263	- 40	- 65	- 240	0.015	0.023	-----	120	2.73	2.21	2.08
781-SI2309DS-E3	SI2309DS-T1-E3	SOT-23	- 60	- 1.25	- 8	0.340	0.550	-----	1.25	.61	.49	.46
Thru Hole												
781-VP0300B-E3	VP0300B-E3	TO-39	- 30	- 0.32	- 2.4	2.5 (12V)	-----	-----	0.80	39.90	32.30	30.40
781-SUP65P04-15-E3	SUP65P04-15-E3	TO-220AB	- 40	- 65	- 240	0.015	0.023	-----	120	2.79	2.26	2.13
781-SUP65P06-20-E3	SUP65P06-20-E3	TO-220AB	- 60	- 65	- 200	0.020	-----	-----	187	5.29	4.28	4.03
781-3N163-E3	3N163-E3	TO-72	- 70	-0.30	-----	-----	-----	-----	375	9.45	7.65	7.20
781-VP0808B-E3	VP0808B-E3	TO-39	- 80	- 0.28	- 3.0	5	-----	-----	0.80	100.80	81.60	76.80

P-CHANNEL TRENCHFET MOSFETS (SINGLE CONFIGURATION)

These TrenchFET power MOSFETs provide efficient power control with extremely low on-resistance.

RoHS Compliant

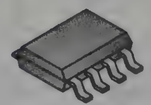
For quantities of 1000 and up, call for quote.

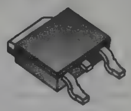
MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Surface Mount													
781-SI2305DS-E3	SI2305DS-T1-E3	SOT-23	- 8	- 3.5	± 12	-----	0.052	0.071	0.108	1.25	.57	.46	.43
781-SI3445DV-E3	SI3445DV-T1-E3	TSOP-6	- 8	- 5.6	± 20	-----	0.042	0.060	0.080	2.0	.86	.70	.66
781-SUB15P01-52-E3	SUB15P01-52-E3	TO-263	- 8	± 15	- 25	-----	0.052	0.070	0.105	25	1.16	.94	.88
781-SI2315BDS-E3	SI2315BDS-T1-E3	SOT-23	- 12	- 3.85	- 12	-----	0.050	0.065	0.100	0.75	.40	.32	.30
781-SI3447BDV-E3	SI3447BDV-T1-E3	TSOP-6	- 12	- 6.0	- 20	-----	0.04	0.053	0.072	1.1	.36	.29	.27
781-SI6467BDQ-E3	SI6467BDQ-T1-E3	TSSOP-8	- 12	- 8.0	- 30	-----	0.0125	0.0155	0.020	1.05	.80	.65	.61
781-SI3443BDV-E3	SI3443BDV-T1-E3	TSOP-6	- 20	- 4.7	- 20	-----	0.06	0.100	-----	1.1	.29	.24	.22
781-SI3433BDV-E3	SI3433BDV-T1-E3	TSOP-6	- 20	- 5.6	- 20	-----	0.042	0.057	0.080	1.1	.46	.38	.35
781-SI6463BDQ-E3	SI6463BDQ-T1-E3	TSSOP-8	- 20	- 7.4	- 30	-----	0.015	0.02	0.027	1.05	.99	.80	.75
781-SI6473DQ-E3	SI6473DQ-T1-E3	TSSOP-8	- 20	-9.5	- 30	-----	0.0125	0.016	0.0215	1.08	1.68	1.36	1.28
781-SI4421DY-T1-E3	SI4421DY-TI-E3	SO-8	-20	-14	-40	-----	0.007	0.0085	0.011	1.5	1.87	1.51	1.42
781-SUD45P03-10-E3	SUD45P03-10-E3	TO-252	- 20	- 15	- 100	0.010	-----	-----	-----	70	2.27	1.84	1.73
781-SI2307BDS-E3	SI2307BDS-T1-E3	SOT-23	- 30	- 3.2	- 12	0.078	0.130	-----	-----	0.75	.43	.38	.34
781-SI3455ADV-E3	SI3455ADV-T1-E3	TSOP-6	- 30	- 3.5	- 20	0.100	0.170	-----	-----	1.14	.69	.56	.53
781-SI3457BDV-E3	SI3457BDV-T1-E3	TSOP-6	- 30	- 5.0	- 20	0.054	0.100	-----	-----	1.14	.40	.32	.30
781-SI6435ADQ-E3	SI6435ADQ-T1-E3	TSSOP-8	- 30	± 5.5	± 30	0.030	0.055	-----	-----	1.05	1.41	1.14	1.07
781-SI6415DQ-E3	SI6415DQ-T1-E3	TSSOP-8	- 30	± 6.5	± 30	0.019	0.030	-----	-----	1.5	1.72	1.39	1.31
781-SI4927DY-T1-E3	SI4927DY-T1-E3	SO-8	- 30	± 7.4	± 40	0.028	0.045	-----	-----	2.5	1.87	1.51	1.42
781-SI4431BDY-E3	SI4431BDY-T1-E3	SO-8	- 30	- 7.5	- 30	0.030	0.05	-----	-----	1.5	.76	.61	.58
781-SI4425BDY-E3	SI4425BDY-T1-E3	SO-8	- 30	- 11.4	- 50	0.012	0.019	-----	-----	1.5	1.47	1.20	1.12
781-SI4825DY-T1-E3	SI4825DY-T1-E3	SO-8	- 30	- 11.5	- 50	0.014	0.022	-----	-----	1.5	1.76	1.43	1.34
781-SI4427BDY-E3	SI4427BDY-T1-E3	SO-8	- 30	- 12.6	- 50	0.0105	0.0125	0.0195	-----	1.5	1.39	1.13	1.06
781-SUB75P03-07-E3	SUB75P03-07-E3	TO-263	- 30	± 75	-240	0.007	0.010	-----	-----	187	5.06	4.10	3.86
781-SI4401BDY-T1-E3	SI4401BDY-T1-E3	SO-8	- 40	- 10.5	- 50	0.014	0.021	-----	-----	1.5	1.47	1.19	1.12
781-SUD50P04-13L-E3	SUD50P04-13L-E3	TO-252	-40	-60	-100	0.013	0.022	-----	-----	93.7	1.62	1.32	1.23
781-SUB75P05-08-E3	SUB75P05-08-E3	TO-263	- 55	- 75	- 240	0.008	0.013	-----	-----	250	6.53	5.29	4.98
781-SI3459DV-E3	SI3459DV-T1-E3	TSOP-6	- 60	± 2.2	± 10	0.220	0.310	-----	-----	2.0	.88	.71	.67
781-SI6459BDQ-E3	SI6459DQ-T1-E3	TSSOP-8	- 60	- 2.7	- 20	0.115	0.150	-----	-----	1.0	.71	.58	.54
781-SI9407AEY-T1-E3	SI9407AEY-T1-E3	SO-8	- 60	± 3.5	± 30	0.120	0.150	-----	-----	3.0	1.24	1.00	.94
Thru Hole													
781-SUP15P01-52-E3	SUP15P01-52-E3	TO-220AB	- 8	- 15	- 15	-----	0.052	0.070	0.105	25	1.41	1.14	1.07
781-SUP75P03-07-E3	SUP75P03-07-E3	TO-220AB	- 30	± 75	- 240	0.007	0.010	-----	-----	187	5.21	4.22	3.97
781-SUP75P05-08-E3	SUP75P05-08-E3	TO-220AB	- 55	- 75	- 240	0.008	0.013	-----	-----	250	6.70	5.42	5.10
781-SUP65P06-20-E3	SUP65P06-20-E3	TO-220AB	- 60	- 65	- 200	0.020	-----	-----	-----	187	5.29	4.28	4.03

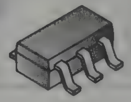
SILICONIX MOSFET Transistors

RoHS Compliant This page of product is compliant.

RoHS Compliant


SO-8


TO-252


TSOP-6

TSSOP-8

P-CHANNEL TRENCHFET MOSFETs (DUAL CONFIGURATION)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Load Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI6967DQ-E3	SI6967DQ-T1-E3	TSSOP-8	- 8	± 5.0	± 30	- - - - -	0.030	0.045	0.070	1.1	1.64	1.33	1.25
781-SI4965DY-T1-E3	SI4965DY-T1-E3	SO-8	- 8	± 8.0	± 30	- - - - -	0.021	0.027	0.040	2.0	2.04	1.65	1.55
781-SI6969DQ-E3	SI6969DQ-T1-E3	TSSOP-8	- 12	± 4.6	± 30	- - - - -	0.034	0.050	0.075	1.1	1.64	1.33	1.25
781-SI6975DQ-E3	SI6975DQ-T1-E3	TSSOP-8	- 12	-5.1	- 30	- - - - -	0.027	0.035	0.046	1.14	1.64	1.33	1.25
781-SI4967DY-T1-E3	SI4967DY-T1-E3	SO-8	- 12	+ 7.5	± 30	- - - - -	0.023	0.030	0.045	2.0	2.27	1.84	1.73
781-SI6963BDQ-E3	SI6963BDQ-T1-E3	TSSOP-8	- 20	-3.9	-30	- - - - -	0.045	0.680	- - - - -	0.83	.99	.80	.75
781-SI6973DQ-E3	SI6973DQ-T1-E3	TSSOP-8	- 20	- 4.8	- 30	- - - - -	0.030	0.039	0.055	1.14	1.64	1.33	1.25
781-SI6965DQ-E3	SI6965DQ-T1-E3	TSSOP-8	- 20	± 5.0	± 30	- - - - -	0.035	0.060	- - - - -	1.5	1.79	1.45	1.36
781-SI4963BDY-E3	SI4963BDY-T1-E3	SO-8	- 20	-6.5	-40	0:052	0.050	- - - - -	- - - - -	1.1	1.28	1.04	.98
781-SI6875DQ-E3	SI6875DQ-T1-E3	TSSOP-8	- 20	- 6.4	- 30	- - - - -	0.027	0.036	- - - - -	1.78	1.74	1.41	1.33
781-SI4947ADY-T1-E3	SI4947ADY-T1-E3	SO-8	- 30	± 3.9	± 20	0.080	0.135	- - - - -	- - - - -	2.0	.97	.78	.74
781-SI4953ADY-T1-E3	SI4953ADY-T1-E3	SO-8	- 30	± 4.9	± 30	0.053	0.090	- - - - -	- - - - -	2.0	1.24	1.00	.94
781-SI4925BDY-T1-E3	SI4925BDY-T1-E3	SO-8	- 30	-7.1	- 40	0.025	0.041	- - - - -	- - - - -	1.1	1.28	1.04	.98
781-SI6933DQ-E3	SI6933DQ-T1-E3	TSSOP-8	- 30	± 3.5	± 20	0.045	0.085	- - - - -	- - - - -	1.0	1.60	1.29	1.22
781-SI9948AEY-T1-E3	SI9948AEY-T1-E3	SO-8	- 60	± 2.6	± 15	0.170	0.260	- - - - -	- - - - -	2.4	1.11	.90	.85
781-SI4948BEY-TI-E3	SI4948BEY-TI-E3	SO-8	-60	-3.1	-25	0.120	0.150	- - - - -	- - - - -	1.4	1.03	.83	.78

P-CHANNEL LOGIC LEVEL MOSFETs (SINGLE CONFIGURATION)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Volt. (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SUD10P06-280L-E3	SUD10P06-280L-E3	TO-252	- 60	- 10.0	- 20	0.170	0.280	- - - - -	- - - - -	37	.78	.63	.59

BI-DIRECTIONAL P-CHANNEL MOSFETs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Volt. (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI3831DV-E3	SI3831DV-T1-E3	TSOP-6	± 7	± 2.4	± 8	- - - - -	0.170	0.240	- - - - -	1.5	.78	.63	.59

N & P-CHANNEL MOSFETs (DUAL CONFIGURATION)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (N-Ch/P-Ch) (Max)(V)	Cont. Drain Current (N-Ch/P-Ch) (Max)(A)	Pulsed Drain Current (N-Ch/P-Ch) (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10 (N-Ch/P-Ch)	(Max)(Ω) 4.5 (N-Ch/P-Ch)	(Max)(Ω) 2.5 (N-Ch/P-Ch)	(Max)(Ω) 1.8 (N-Ch/P-Ch)	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI4500BDY-E3	SI4500BDY-T1-E3	SO-8	+ 20/- 20	+9.1/-5.3	+ 30/- 20	----/----	0.020/0.060	0.03/0.100	----/----	1.3	.80	.65	.61
781-SI6562DQ-E3	SI6562DQ-T1-E3	TSSOP-8	+ 20/- 20	± 4.5/± 3.5	± 30/± 30	----/----	0.03/0.05	0.04/0.085	----/----	1.0	1.55	1.26	1.18
781-SI4562DY-T1-E3	SI4562DY-T1-E3	SO-8	+ 20/- 20	± 7.1/± 6.2	± 40/± 40	----/----	0.025/0.033	0.035/0.05	----/----	2.0	2.06	1.67	1.57
781-SI4501ADY-T1-E3	SI4501ADY-T1-E3	SO-8	+ 30/- 8	+8.8/-5.7	+30/-20	0.018/----	0.027/0.042	----/0.06	----/----	1.3	.92	.75	.70
781-SI3872DV-E3	SI3872DV-T1-E3	TSOP-6	+ 30/- 20	± 2.5/± 1.8	± 8/± 7	0.105/----	0.175/0.20	----/0.34	----/----	1.15	.48	.39	.37
781-SI6543DQ-E3	SI6543DQ-T1-E3	TSSOP-8	+ 30/- 30	± 3.9/± 2.5	± 20/± 20	0.065/0.085	0.095/0.19	----/----	----/----	1.0	1.43	1.16	1.09
781-SI6544BDQ-E3	SI6544BDQ-T1-E3	TSSOP-8	+ 30/- 30	+4.3/-3.8	+20/-20	0.032/0.043	0.046/0.073	----/----	----/----	0.83	.99	.80	1.31
781-SI4558DY-T1-E3	SI4558DY-T1-E3	SO-8	+ 30/- 30	± 6.0/± 6.0	± 30/± 30	0.04/0.04	0.06/0.07	----/----	----/----	2.4	2.00	1.62	1.52
781-SI4532ADY-T1-E3	SI4532ADY-T1-E3	SO-8	+ 30/- 30	+ 4.9/- 3.9	20/20	0.053/0.08	0.075/0.135	----/----	----/----	2.0	1.16	.94	.88
781-SI4539ADY-T1-E3	SI4539ADY-T1-E3	SO-8	+ 30/- 30	+ 5.9/- 4.9	30/30	0.036/0.053	0.053/0.09	----/----	----/----	2.0	1.49	1.21	1.14
781-SI4544DY-T1-E3	SI4544DY-T1-E3	SO-8	+ 30/- 30	± 6.5/± 5.7	± 20/± 20	0.035/0.045	0.05/0.09	----/----	----/----	2.4	1.60	1.29	1.22
781-SI4542DY-T1-E3	SI4542DY-T1-E3	SO-8	+ 30/- 30	± 6.9/± 6.1	± 40/± 40	0.025/0.032	0.035/0.045	----/----	----/----	2.0	2.06	1.67	1.57
781-SI4559EY-T1-E3	SI4559EY-T1-E3	SO-8	+ 60/- 60	± 4.5/± 3.1	± 30/± 30	0.055/0.12	0.075/0.15	----/----	----/----	2.4	1.68	1.36	1.28

N & P-CHANNEL LOAD SWITCH WITH LEVEL SHIFT (DUAL CONFIGURATION)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS = (Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8	Power Dissipation @ 25°C (Max) (W)	Price Each 1	100	500
Surface Mount													
781-SI3863BDV-T1-E3	SI3863BDV-T1-E3	TSOP-6	2.5 to 12	± 2.5	± 5	- - - - -	.075	0.14	- - - - -	0.83	.44	.36	.34
781-SI3861BDV-TI-E3	SI3861BDV-T1-E3	TSOP-6	4.5 to 20	± 2.3	± 4	.075	.145	- - - - -	- - - - -	0.83	.44	.36	.34

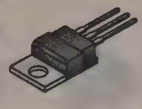
SILICONIX MOSFET Transistors

RoHS Compliant This page of product is compliant.

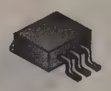
SO-8

SOT-23

TO-92


TO-220AB

TO-252


TO-263

TO-39

TSOP-6

TSSOP-8

N-CHANNEL MOSFETS (SINGLE CONFIGURATION)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Surface Mount													
781-SI2312BDS-E3	SI2312BDS-T1-E3	SOT-23	20	5.0	15	-----	0.031	0.037	0.047	0.75	.29	.24	.22
781-SI6968ADQ-E3	SI6968ADQ-T1-E3	TSSOP-8	20	±6.2	±30	-----	0.022	0.030	-----	1.5	1.95	1.58	1.49
781-SI6434DQ-E3	SI6434DQ-T1-E3	TSSOP-8	30	5.6	±30	0.028	0.042	-----	-----	1.5	1.43	1.16	1.09
781-SI4412DY-T1-E3	SI4412DY-T1-E3	SO-8	30	±7.0	±30	0.028	0.042	-----	-----	2.5	1.47	1.19	1.12
781-SI4410BDY-E3	SI4410BDY-T1-E3	SO-8	30	10.0	50	0.0135	0.020	-----	-----	1.4	.76	.62	.58
781-SI4822DY-T1-E3	SI4822DY-T1-E3	SO-8	30	12.0	±80	0.0100	0.015	-----	-----	2.5	1.49	1.21	1.14
781-SUD30N04-10-E3	SUD30N04-10-E3	TO-252	40	30	120	0.010	0.014	-----	-----	97	2.25	1.82	1.71
781-SUB70N04-10-E3	SUB70N04-10-E3	TO-263	40	70	140	0.010	0.014	-----	-----	107	2.65	2.14	2.02
781-SUB75N05-06-E3	SUB75N05-06-E3	TO-263	50	75	240	0.006	-----	-----	-----	187	5.25	4.25	4.00
781-2N7002E-T1-E3	2N7002E-T1-E3	SOT-23	60	0.24	1.3	3.000	4.000	-----	-----	0.35	.27	.22	.21
781-SI2308DS-E3	SI2308DS-T1-E3	SOT-23	60	2.0	10	0.160	0.220	-----	-----	1.25	.59	.48	.45
781-SI4450DY-T1-E3	SI4450DY-T1-E3	SO-8	60	7.5	±50	0.0240	-----	-----	-----	2.5	1.79	1.45	1.36
781-SUB70N06-14-E3	SUB70N06-14-E3	TO-263	60	70	160	0.014	-----	-----	-----	142	3.21	2.60	2.45
781-SI2328DS-E3	SI2328DS-T1-E3	SOT-23	100	1.5	6	0.250	-----	-----	-----	0.73	.65	.53	.50
781-SI3430DV-E3	SI3430DV-T1-E3	TSOP-6	100	2.4	8	0.170	-----	-----	-----	2.0	.97	.78	.74
781-SI4484EY-T1-E3	SI4484EY-T1-E3	SO-8	100	6.9	30	0.0340	-----	-----	-----	3.8	2.06	1.67	1.57
781-SI4486EY-T1-E3	SI4486EY-T1-E3	SO-8	100	7.9	40	0.0250	-----	-----	-----	3.8	2.50	2.02	1.90
Thru Hole													
781-SUP70N04-10-E3	SUP70N04-10-E3	TO-220AB	40	70.0	140	0.010	0.014	-----	-----	107	2.84	2.30	2.16
781-SUP75N05-06A-E3	SUP75N05-06A-E3	TO-220AB	50	75	240	0.006	-----	-----	-----	250	5.25	4.28	4.00
781-2N6660-E3	2N6660-E3	TO-39	60	1.1	3	3.0	-----	-----	-----	6.25	29.40	23.80	22.40
781-SUP70N06-14-E3	SUP70N06-14-E3	TO-220AB	60	70	160	0.014	-----	-----	-----	142	3.13	2.53	2.38

N-CHANNEL MOSFETS (DUAL CONFIGURATION)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Load Current (Max)(A)	Pulsed Drain Current (Max)(A)	P-Channel Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Surface Mount													
781-SI6954ADQ-E3	SI6954ADQ-T1-E3	TSSOP-8	30	±3.9	±20/±20	0.065	0.095	-----	-----	1.0	1.03	.83	.78
781-SI6928DQ-E3	SI6928DQ-T1-E3	TSSOP-8	30	±4.0	±20/±20	0.035	0.050	-----	-----	1.0	1.60	1.29	1.22

N-CHANNEL LITTLEFOOT PLUS™ MOSFETs (SINGLE CONFIGURATION)

High performance MOSFET with a compatible Schottky rectifier for commonly for applications were space savings and efficiency are a requirement.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Surface Mount													
781-SI6820DQ-E3	SI6820DQ-T1-E3	TSSOP-8	20	1.9	±8	-----	0.160	-----	-----	1.2	1.64	1.33	1.25
781-SI3812DV-E3	SI3812DV-T1-E3	TSSOP-8	20	±2.4	±8	-----	0.125	0.20	-----	1.15	.74	.60	.56
781-SI4812BDY-E3	SI4812BDY-T1-E3	SO-8	30	9.5	50	0.016	0.021	-----	-----	1.4	.86	.70	.66
781-SI4832DY-T1-E3	SI4832DY-T1-E3	SO-8	30	9.0	50	0.0180	0.028	-----	-----	2.5	1.64	1.33	1.25
781-SI4810BDY-E3	SI4810BDY-T1-E3	SO-8	30	10.0	±50	0.0135	0.020	-----	-----	1.38	1.34	1.09	1.02
781-SI4852DY-T1-E3	SI4852DY-T1-E3	SO-8	30	11.0	50	0.0120	0.0175	-----	-----	2.5	1.76	1.43	1.34

N-CHANNEL LITTLEFOOT PLUS™ MOSFETs (DUAL CONFIGURATION)

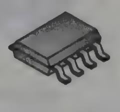
RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Surface Mount													
781-SI4818DY-T1-E3	SI4818DY-T1-E3	SO-8	30	6.3/9.5	30/40	0.022/0.015	0.03/0.0205	-----	-----	1.4/2.4	1.55	1.26	1.18
781-SI4816DY-T1-E3	SI4816DY-T1-E3	SO-8	30	6.3/10.0	30/40	0.022/0.013	0.03/0.0185	-----	-----	1.4/2.4	1.55	1.26	1.18
781-SI4808DY-T1-E3	SI4808DY-T1-E3	SO-8	30	7.5	30	0.022	0.030	-----	-----	2.0	1.55	1.26	1.18
781-SI4830ADY-E3	SI4830ADY-T1-E3	SO-8	30	7.5	30	0.022	0.030	-----	-----	1.1	1.05	.86	.80
781-SI4834BDY-E3	SI4834BDY-T1-E3	SO-8	30	7.5	30	0.022	0.030	-----	-----	1.1	1.28	1.04	.96

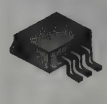
SILICONIX MOSFET Transistors

RoHS Compliant This page of product is compliant.


SO-8

SOT-23

TO-252


TO-263

TSOP-6

TSSOP-8

N-CHANNEL TRENCHFET MOSFETS (SINGLE CONFIGURATION)

RoHS Compliant

These TrenchFET power MOSFETs provide efficient power control with extremely low on-resistance.

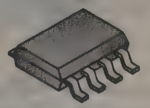
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Surface Mount													
781-SI4838DY-T1-E3	SI4838DY-T1-E3	SO-8	12	25.0	60	-----	0.003	0.004	-----	3.5	2.23	1.80	1.70
781-SI3446DV-E3	SI3446DV-T1-E3	TSOP-6	20	5.3	± 20	-----	0.045	0.065	-----	2.0	.78	.63	.59
781-SI3460DV-E3	SI3460DV-T1-E3	TSOP-6	20	6.8	20	-----	0.027	0.032	0.038	2.0	.88	.71	.67
781-SI6466ADQ-E3	SI6466ADQ-T1-E3	TSSOP-8	20	8.1	30	-----	0.014	0.020	-----	1.05	1.49	1.21	1.14
781-SI4426DY-T1-E3	SI4426DY-T1-E3	SO-8	20	± 8.5	± 40	-----	0.025	0.035	-----	2.5	1.26	1.02	.96
781-SI4466DY-T1-E3	SI4466DY-T1-E3	SO-8	20	13.2	± 50	-----	0.009	0.013	-----	2.5	2.35	1.90	1.79
781-SI4876DY-T1-E3	SI4876DY-T1-E3	SO-8	20	21.0	50	-----	0.005	0.0075	-----	3.6	1.76	1.43	1.34
781-SUD50N02-06P-E3	SUD50N02-06P-E3	TO-252	20	26	100	0.006	0.0095	-----	-----	6.8	1.43	1.16	1.09
781-SI6954ADQ-E3	SI6954ADQ-T1-E3	TSSOP-8	30	3.4	20	0.053	0.075	-----	-----	1.0	1.03	.83	.78
781-SI2306DS-E3	SI2306DS-T1-E3	SOT-23	30	3.5	± 16	0.057	0.094	-----	-----	1.25	.65	.53	.50
781-SI3454ADV-E3	SI3454ADV-T1-E3	TSOP-6	30	4.5	20	0.060	0.085	-----	-----	1.14	.61	.49	.46
781-SI3456BDV-E3	SI3456BDV-T1-E3	TSOP-6	30	6.0	± 30	0.035	0.052	-----	-----	1.1	.40	.32	.30
781-SI3424DV-E3	SI3424DV-T1-E3	TSOP-6	30	6.7	30	0.028	0.038	-----	-----	2.0	.80	.65	.61
781-SI6410DQ-E3	SI6410DQ-T1-E3	TSSOP-8	30	7.8	± 30	0.014	0.021	-----	-----	1.5	1.81	1.46	1.38
781-SI4412ADY-T1-E3	SI4412ADY-T1-E3	SO-8	30	8.0	± 30	0.024	0.035	-----	-----	2.5	.90	.73	.69
781-SI4416DY-T1-E3	SI4416DY-T1-E3	SO-8	30	9.0	± 50	0.018	0.028	-----	-----	2.5	1.41	1.14	1.07
781-SI4820DY-T1-E3	SI4820DY-T1-E3	SO-8	30	10.0	± 50	0.014	0.020	-----	-----	2.5	1.37	1.11	1.04
781-SI4420BDY-T1-E3	SI4420BDY-T1-E3	SO-8	30	13.5	50	0.0085	0.011	-----	-----	1.4	.99	.80	.75
781-SI4886DY-T1-E3	SI4886DY-T1-E3	SO-8	30	13.0	± 50	0.010	0.0135	-----	-----	2.95	2.44	1.97	1.86
781-SI4872DY-T1-E3	SI4872DY-T1-E3	SO-8	30	15.0	50	0.0075	0.010	-----	-----	3.1	2.35	1.90	1.79
781-SI4888DY-T1-E3	SI4888DY-T1-E3	SO-8	30	16.0	± 50	0.007	0.0100	-----	-----	3.5	1.85	1.50	1.41
781-SUD50N03-09P-E3	SUD50N03-09P-E3	TO-252	30	63	50	0.0095	0.014	-----	-----	65.2	1.41	1.15	1.07
781-SI4442DY-T1-E3	SI4442DY-T1-E3	SO-8	30	22.0	60	0.0045	0.005	0.0075	-----	3.5	2.14	1.73	1.63
781-SI4842BDY-E3	SI4842BDY-T1-E3	SO-8	30	28	60	0.0042	0.0057	-----	-----	6.25	1.87	1.52	1.42
781-SUD50N03-06AP-E3	SUD50N03-06AP-E3	TO-252	30	90	100	0.0057	0.0078	-----	-----	83	2.06	1.68	1.57
781-SUD30N03-30-E3	SUD30N03-30-E3	TO-252	30	30	± 40	0.030	0.045	-----	-----	50	1.43	1.16	1.09
781-SUD50N03-11-E3	SUD50N03-11-E3	TO-252	30	50	100	0.011	0.017	-----	-----	62.5	1.74	1.41	1.33
781-SUB70N03-09P-E3	SUB70N03-09P-E3	TO-263	30	70	± 180	0.009	0.015	-----	-----	93	2.14	1.73	1.63
781-SUB70N03-09BP-E3	SUB70N03-09BP-E3	TO-263	30	70	200	0.009	0.013	-----	-----	93	2.37	1.92	1.81
781-SUB75N03-04-E3	SUB75N03-04-E3	TO-263	30	75	250	0.004	0.006	-----	-----	187	6.20	5.02	4.72
781-SUB85N03-04P-E3	SUB85N03-04P-E3	TO-263	30	85	240	0.0043	0.007	-----	-----	166	4.64	3.76	3.54
781-SUB85N02-06-E3	SUB85N02-06-E3	TO-263	30	85	240	0.007	0.010	-----	-----	107	2.60	2.11	1.98
781-SUB85N03-07P-E3	SUB85N03-07P-E3	TO-263	30	85	240	0.007	0.010	-----	-----	107	2.00	1.62	1.52
781-SI4896DY-T1-E3	SI4896DY-T1-E3	SO-8	30	± 6.9	± 40	0.025	0.0350	-----	-----	2.0	1.76	1.43	1.34
781-SI4802DY-T1-E3	SI4802DY-T1-E3	SO-8	30	± 8.4	± 20	0.0220	0.030	-----	-----	2.5	1.05	.85	.80
781-SI4800BDY-E3	SI4800BDY-T1-E3	SO-8	30	9.0	40	0.0185	0.030	-----	-----	1.3	1.45	1.17	1.10
781-SI4882DY-T1-E3	SI4882DY-T1-E3	SO-8	30	± 11.0	± 50	0.0105	0.0205	-----	-----	2.5	1.81	1.46	1.38
781-SI4890DY-T1-E3	SI4890DY-T1-E3	SO-8	30	± 11.0	± 50	0.012	0.0200	-----	-----	2.5	1.81	1.46	1.38
781-SI4822DY-T1-E3	SI4822DY-T1-E3	SO-8	30	± 12.0	± 80	0.010	0.015	-----	-----	2.5	1.49	1.21	1.14
781-SI4894DY-T1-E3	SI4894DY-T1-E3	SO-8	30	± 12.5	20	0.012	0.0180	-----	-----	3.0	1.51	1.22	1.15
781-SI4880DY-T1-E3	SI4880DY-T1-E3	SO-8	30	± 13.0	± 50	0.0085	0.014	-----	-----	2.5	2.58	2.09	1.97
781-SI4874BDY-T1-E3	SI4874BDY-T1-E3	SO-8	30	16	± 50	0.007	0.0085	-----	-----	1.6	1.68	1.36	1.28
781-SI4404DY-T1-E3	SI4404DY-T1-E3	SO-8	30	± 23	± 60	-----	0.008	-----	-----	3.5	2.46	1.99	1.87
781-SI4430BDY-T1-E3	SI4430BDY-T1-E3	SO-8	30	20	± 60	0.0045	0.006	-----	-----	1.6	2.18	1.77	1.66
781-SUD40N03-18P-E3	SUD40N03-18P-E3	TO-252	30	± 40	± 100	0.0180	0.027	-----	-----	62.5	1.68	1.36	1.28
781-SI4884DY-T1-E3	SI4884DY-T1-E3	SO-8	30	+/1 12.0	± 50	0.0105	0.0165	-----	-----	2.95	1.28	1.04	.98
781-SI4840DY-T1-E3	SI4840DY-T1-E3	SO-8	40	14.0	50	0.009	0.012	-----	-----	3.1	1.43	1.16	1.09
781-SUD25N04-25-E3	SUD25N04-25-E3	TO-252	40	25	50	0.0250	0.040	-----	-----	33	1.34	1.09	1.02
781-SUB85N04-03-E3	SUB85N04-03-E3	TO-263	40	85	240	0.0035	0.0053	-----	-----	250	6.09	4.93	4.64
781-SUB85N04-04-E3	SUB85N04-04-E3	TO-263	40	85	240	0.004	-----	-----	-----	250	6.20	5.02	4.72
781-SUB75N05-07-E3	SUB75N05-07-E3	TO-263	55	± 75	± 240	0.007	0.009	-----	-----	158	3.95	3.20	3.01
781-SI3458DV-E3	SI3458DV-T1-E3	TSOP-6	60	3.2	± 15	0.100	0.130	-----	-----	2.0	.92	.75	.70
781-SUB60N06-18-E3	SUB60N06-18-E3	TO-263	60	60	100	0.022	0.025	-----	-----	90	2.58	2.09	1.97
781-SUB75N06-08-E3	SUB75N06-08-E3	TO-263	60	75	240	0.008	-----	-----	-----	187	5.25	4.25	4.00
781-SUB85N06-05-E3	SUB85N06-05-E3	TO-263	60	± 85	± 240	0.0052	0.0072	-----	-----	250	4.81	3.89	3.66
781-SUB75N08-10-E3	SUB75N08-10-E3	TO-263	75	75	240	0.010	-----	-----	-----	187	5.19	4.20	3.95
781-SUB85N08-08-E3	SUB85N08-08-E3	TO-263	75	85	240	0.0080	-----	-----	-----	250	5.25	4.25	4.00
781-SI4480DY-T1-E3	SI4480DY-T1-E3	SO-8	80	6.0	± 40	0.035	-----	-----	-----	2.5	2.06	1.67	1.57
781-SUD40N08-16-E3	SUD40N08-16-E3	TO-252	80	40	60	0.016	-----	-----	-----	100	2.56	2.07	1.95
781-SI4482DY-T1-E3	SI4482DY-T1-E3	SO-8	100	4.6	± 40	0.060	-----	-----	-----	2.5	2.25	1.82	1.71
781-SUD40N10-25-E3	SUD40N10-25-E3	TO-252	100	40	70	0.025	0.063	-----	-----	33	2.77	2.24	2.11
781-SUB85N10-10-E3	SUB85N10-10-E3	TO-263	100	85	240	0.0105	0.012	-----	-----	250	6.91	5.59	5.26
781-SI4848DY-T1-E3	SI4848DY-T1-E3	SO-8	150	3.7	25	0.0850	-----	-----	-----	3.0	1.41	1.14	1.07
781-SI4488DY-T1-E3	SI4488DY-T1-E3	SO-8	150	5.0	50	0.050	-----	-----	-----	3.1	2.39	1.94	1.82
781-SI4490DY-T1-E3	SI4490DY-T1-E3	SO-8	200	4.0	40	0.080	-----	-----	-----	3.1	1.76	1.43	1.34

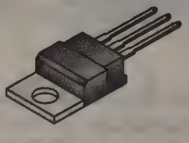
SILICONIX MOSFET Transistors

RoHS Compliant This page of product is compliant.

VISHAY

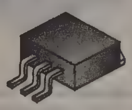


SO-8

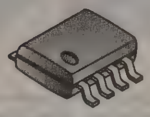


TO-220AB

TO-252



TO-263



TSSOP-8

N-CHANNEL TRENCHFET MOSFETS (SINGLE CONFIGURATION) (CONT.)

RoHS Compliant

These TrenchFET power MOSFETs provide efficient power control with extremely low on-resistance.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Thru Hole													
781-SUP85N02-06-E3	SUP85N02-06-E3	TO-220AB	20	85	240	-----	0.006	0.0090	-----	120	2.75	2.23	2.10
781-SUP70N03-09BP-E3	SUP70N03-09BP-E3	TO-220AB	30	70	200	0.009	0.013	-----	-----	93	2.00	1.62	1.52
781-SUP85N03-04P-E3	SUP85N03-04P-E3	TO-220AB	30	85	240	0.0043	0.007	-----	-----	166	4.64	3.76	3.54
781-SUP85N03-07P-E3	SUP85N03-07P-E3	TO-220AB	30	85	240	0.007	0.010	-----	-----	107	2.37	1.92	1.81
781-SUP85N04-03-E3	SUP85N04-03-E3	TO-220AB	40	85	240	0.0035	0.0053	-----	-----	250	6.09	4.93	4.64
781-SUP85N04-04-E3	SUP85N04-04-E3	TO-220AB	40	85	240	0.004	-----	-----	-----	250	6.20	5.02	4.72
781-SUP75N05-07-E3	SUP75N05-07-E3	TO-220AB	55	± 75	± 240	0.007	0.009	-----	-----	158	4.16	3.37	3.17
781-SUP60N06-18-E3	SUP60N06-18-E3	TO-220AB	60	60	120	0.018	-----	-----	-----	120	2.63	2.13	2.00
781-SUP75N06-08-E3	SUP75N06-08-E3	TO-220AB	60	75	240	0.008	-----	-----	-----	187	5.29	4.28	4.03
781-SUP85N06-05-E3	SUP85N06-05-E3	TO-220AB	60	± 85	± 240	0.0052	0.0072	-----	-----	250	6.41	5.19	4.88
781-SUP75N08-10-E3	SUP75N08-10-E3	TO-220AB	75	75	240	0.010	-----	-----	-----	187	5.21	4.22	3.97
781-SUP85N08-08-E3	SUP85N08-08-E3	TO-220AB	75	85	240	0.0080	-----	-----	-----	250	5.48	4.44	4.18
781-SUP85N10-10-E3	SUP85N10-10-E3	TO-220AB	100	85	240	0.0105	0.012	-----	-----	250	7.29	5.90	5.55

N-CHANNEL TRENCHFET MOSFETS (DUAL CONFIGURATION)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Voltage (Max)(V)	Cont. Load Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Surface Mount													
781-SI6966DQ-E3	SI6966DQ-T1-E3	TSSOP-8	20	± 4.5	± 30	-----	0.030	0.040	-----	1.0	1.60	1.29	1.22
781-SI6866BDQ-E3	SI6866BDQ-T1-E3	TSSOP-8	20	6.0	± 30	-----	0.0275	0.040	-----	1.67	.86	.70	.66
781-SI6862DQ-E3	SI6862DQ-T1-E3	TSSOP-8	20	6.6	30	-----	0.026	0.036	-----	1.8	1.47	1.19	1.12
781-SI4966DY-T1-E3	SI4966DY-T1-E3	SO-8	20	± 7.1	± 40	-----	0.025	0.035	-----	2.0	1.81	1.46	1.38
781-SI4936ADY-T1-E3	SI4936ADY-T1-E3	SO-8	30	5.9	± 30	0.036	0.053	-----	-----	2.0	1.28	1.04	.98
781-SI4920DY-T1-E3	SI4920DY-T1-E3	SO-8	30	± 6.9	± 40	0.025	0.035	-----	-----	2.0	1.68	1.36	1.28
781-SI4804BDY-E3	SI4804BY-T1-E3	SO-8	30	7.5	30	0.022	0.030	-----	-----	1.1	1.16	.94	.88
781-SI4922DY-T1-E3	SI4922DY-T1-E3	SO-8	30	8.8	± 30	0.016	0.053	0.024	-----	2.0	1.81	1.46	1.38
781-SI9945AEY-T1-E3	SI9945AEY-T1-E3	SO-8	60	± 3.7	25	0.080	0.100	-----	-----	2.4	1.32	1.07	1.01
781-SI4946EY-T1-E3	SI4946EY-T1-E3	SO-8	60	± 4.5	± 30	0.055	0.075	-----	-----	2.4	1.85	1.50	1.41
781-SI4980DY-T1-E3	SI4980DY-T1-E3	SO-8	80	± 3.7	± 30	0.075	-----	-----	-----	2.0	2.04	1.65	1.55
781-SI4982DY-T1-E3	SI4982DY-T1-E3	SO-8	100	± 2.6	± 20	0.150	-----	-----	-----	2.0	1.81	1.46	1.38

N-CHANNEL LOGIC LEVEL MOSFETS (SINGLE CONFIGURATION)

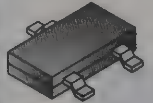
RoHS Compliant

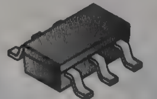
For quantities of 1000 and up, call for quote.

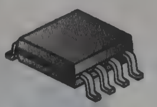
MOUSER STOCK NO.	Siliconix Part No.	Package	Drain Source Breakdown Voltage (Max)(V)	Cont. Drain Current (Max)(A)	Pulsed Drain Current (Max)(A)	Drain-Source On Resistance @ VGS =				Power Dissipation @ 25°C (Max) (W)	Price Each		
						(Max)(Ω) 10	(Max)(Ω) 4.5	(Max)(Ω) 2.5	(Max)(Ω) 1.8		1	100	500
Surface Mount													
781-SUB45N03-13L-E3	SUB45N03-13L-E3	TO-263	30	45	100	0.013	0.020	-----	-----	88	1.20	.97	.91
781-SUB75N04-05L-E3	SUB75N04-05L-E3	TO-263	40	75	240	0.0055	0.0065	-----	-----	187	5.19	4.20	3.95
781-SUD45N05-20L-E3	SUD45N05-20L-E3	TO-252	50	30	100	0.018	0.020	-----	-----	75	2.18	1.77	1.66
781-SUB45N05-20L-E3	SUB45N05-20L-E3	TO-263	50	± 45	± 100	0.018	0.020	-----	-----	93	2.10	1.70	1.60
781-SUD15N06-90L-E3	SUD15N06-90L-E3	TO-252	60	15	30	0.065	0.090	-----	-----	37	1.03	.83	.78
781-SUD25N06-45L-E3	SUD25N06-45L-E3	TO-252	60	25	30	0.035	0.045	-----	-----	50	1.53	1.24	1.17
781-SUD40N06-25L-E3	SUD40N06-25L-E3	TO-252	60	30	100	0.022	0.025	-----	-----	75	2.18	1.77	1.66
781-SUB40N06-25L-E3	SUB40N06-25L-E3	TO-263	60	40	100	0.0220	0.025	-----	-----	90	2.10	1.70	1.60
781-SUB75N06-07L-E3	SUB75N06-07L-E3	TO-263	60	75	240	0.0075	0.0085	-----	-----	187	5.59	4.52	4.26
781-SUB75N06-12L-E3	SUB75N06-12L-E3	TO-263	60	75	180	0.012	0.014	-----	-----	142	2.94	2.38	2.24
781-SUD06N10-225L-E3	SUD06N10-225L-E3	TO-252	100	6.5	8	0.200	0.225	-----	-----	20	1.26	1.02	.96
Thru Hole													
781-SUP45N03-13L-E3	SUP45N03-13L-E3	TO-220AB	30	45	100	-----	0.020	-----	-----	88	1.83	1.48	1.39
781-SUP45N05-20L-E3	SUP45N05-20L-E3	TO-220AB	50	± 45	± 100	0.018	0.020	-----	-----	93	2.50	2.02	1.90
781-SUP40N06-25L-E3	SUP40N06-25L-E3	TO-220AB	60	40	100	0.022	0.025	-----	-----	90	2.44	1.97	1.86
781-SUP75N06-07L-E3	SUP75N06-07L-E3	TO-220AB	60	75	240	0.0075	0.0085	-----	-----	187	5.59	4.52	4.26
781-SUP75N06-12L-E3	SUP75N06-12L-E3	TO-220AB	60	75	180	0.012	0.014	-----	-----	142	3.00	2.43	2.29
781-SUP75N08-09L-E3	SUP75N08-09L-E3	TO-220AB	75	± 75	± 240	0.009	0.011	-----	-----	± 240	5.27	4.27	4.02

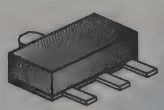
ZETEX N-Channel MOSFETs

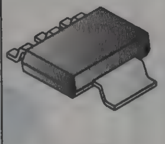
Products may be RoHS compliant.
Check mouser.com for RoHS status.

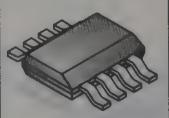

SOT-23

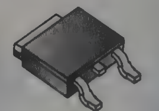

SOT-23-6


MSOP-8


SOT-89


SOT-223


SO-8


DPAK

E-LINE

N-CHANNEL ENHANCEMENT MODE MOSFETs

◆ Surface Mount Device

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @		C_{ISS} typ(pF) @ V_{DS}=10V	Q_g typ(nC) @ V_{GS}=4.5V	Price Each			
						V_{GS}=2.5V	V_{GS}=4.5V			1	10	100	500
◆522-ZXM61N02FTA	ZXM61N02FTA	SOT-23	20	1.7	0.8	0.24 @ 2.7V	0.18	170	2.6	.65	.48	.32	.28
◆522-ZXMN2A01FTA	ZXMN2A01FTA	SOT-23	20	2	0.8	0.225	0.12	310	3	.54	.40	.27	.23
◆522-ZXMN2A01E6TA	ZXMN2A01E6TA	SOT-23-6	20	3	1.7	0.3	0.12	299	3.1	.78	.58	.39	.33
◆522-ZXM62N02E6TA	ZXM62N02E6TA	SOT-23-6	20	3.2	1.7	0.125 @ 2.7V	0.1	480	5	1.03	.76	.51	.44
◆522-ZXMN2A14FTA	ZXMN2A14FTA	SOT-23	20	3.3	1	0.11	0.06	613	6.4	.97	.72	.49	.41
◆522-ZXMN2A03E6TA	ZXMN2A03E6TA	SOT-23-6	20	4.5	1.7	0.1	0.055	823	8.6	1.13	.84	.57	.48
◆522-ZXM64N02XTA	ZXM64N02XTA	MSOP-8	20	5.4	1.8	0.050 @ 2.7V	0.04	1100	12.5	1.78	1.32	.89	.76
◆522-ZVN4525E6TA	ZVN4525E6TA	SOT-23-6	250	0.23	1.1	9.5 @ 2.4V	8.5	72	2.5	1.24	.92	.62	.53
◆522-ZVN4525ZTA	ZVN4525ZTA	SOT-89	250	0.24	1.2	9.5 @ 2.4V	8.5	72	2.5	1.19	.88	.59	.51
◆522-ZVN4525GTA	ZVN4525GTA	SOT-223	250	0.31	2	9.5 @ 2.4V	8.5	72	2.5	1.24	.92	.62	.53

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @		C_{ISS} typ(pF) @ V_{DS}=30V	Q_g typ(nC) @ V_{GS}=10V	Price Each			
						V_{GS}=4.5V	V_{GS}=10V			1	10	100	500
◆522-ZXM61N03FTA	ZXM61N03FTA	SOT-23	30	1.4	0.8	0.3	0.22	160	3.2	.65	.48	.32	.28
◆522-ZXMN3A01FTA	ZXMN3A01FTA	SOT-23	30	2	0.8	0.18	0.12	190	3.9	.54	.40	.27	.23
◆522-ZXMN3A01E6TA	ZXMN3A01E6TA	SOT-23-6	30	3	1.7	0.18	0.12	190	3.9	.78	.58	.39	.33
◆522-ZXM62N03E6TA	ZXM62N03E6TA	SOT-23-6	30	3.2	1.7	0.15	0.11	390	7	1.29	.96	.65	.55
◆522-ZXMN3A14FTA	ZXMN3A14FTA	SOT-23	30	3.5	1	0.095	0.065	450	8.7	.81	.60	.41	.35
◆522-ZXM62N03GTA	ZXM62N03GTA	SOT-223	30	4.7	3.9	0.15	0.11	380	9.6	1.13	.84	.57	.48
◆522-ZXMN3A02N8TA	ZXMN3A02N8TA	SO-8	30	9	2.5	0.035	0.025	1400	26.8	2.21	1.64	1.11	.94
◆522-ZXMN3B04N8TA	ZXMN3B04N8TA	SO-8	30	9.1	2.5	0.025	-----	2480	23.1 @ 4.5V	1.78	1.32	.89	.76
◆522-ZXMN3A04KTC	ZXMN3A04KTC	DPAK	30	18.4	10.1	0.03	0.02	1890	36.8	3.02	2.24	1.51	1.29
◆522-ZXM64N035GTA	ZXM64N035GTA	SOT-223	35	6.7	3.9	0.062	0.05	970	22	2.21	1.64	1.11	.94
◆522-ZXMN4A06GTA	ZXMN4A06GTA	SOT-223	40	7	3.9	0.075	0.05	810	18.2	1.86	1.38	.93	.79
◆522-ZXMN6A07FTA	ZXMN6A07FTA	SOT-23	60	1	0.8	0.45	0.3	166	3.2	.65	.48	.32	.28
◆522-ZXMN6A08E6TA	ZXMN6A08E6TA	SOT-23-6	60	3.1	1.7	0.18	0.1	459	5.8	1.13	.84	.57	.48
◆522-ZXMN6A11GTA	ZXMN6A11GTA	SOT-223	60	3.8	3.9	0.25	0.14	330	5.7	1.13	.84	.57	.48

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @		C_{ISS} typ(pF) @ V_{DS}=50V	Q_g typ(nC) @ V_{GS}=10V	Price Each			
						V_{GS}=6V	V_{GS}=10V			1	10	100	500
◆522-ZXMN10A08E6TA	ZXMN10A08E6TA	SOT-23-6	100	1.5	1.7	0.3	0.25	405	7.7	.90	.67	.45	.38
◆522-ZXMN10A11GTA	ZXMN10A11GTA	SOT-223	100	1.9	3.9	0.45	0.35	274	5.4	1.13	.84	.57	.48
◆522-ZXMN10A09KTC	ZXMN10A09KTC	DPAK	100	7.7	10.1	0.1	0.085	1313	26	2.97	2.20	1.49	1.27

N-CHANNEL ENHANCEMENT MODE VERTICAL DMOS FETs

◆ Surface Mount Device

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @		C_{ISS} typ(pF) @ V_{DS}=50V	Q_g typ(nC) @ V_{GS}=10V	Price Each			
						V_{GS}=2.5V	V_{GS}=10V			1	10	100	500
◆522-ZVN3320FTA	ZVN3320FTA	SOT-23	200	0.06	0.33	-----	25	-----	-----	.84	.62	.42	.36
522-BS107P	BS107P	E-Line	200	0.12	0.5	23 @ 2.6V	30 @ 5V	58	2.7	1.07	.79	.53	.46
522-ZVN2120A	ZVN2120A	E-Line	200	0.18	0.7	-----	10	58	2.2	.97	.72	.49	.41
522-ZVNL120A	ZVNL120A	E-Line	200	0.18	0.7	10 @ 3V	10 @ 5V	58	2.2	.92	.68	.46	.39
◆522-ZVN2120GTA	ZVN2120GTA	SOT-223	200	0.32	2	-----	10	58	2.2	1.35	1.00	.68	.58
◆522-ZVNL120GTA	ZVNL120GTA	SOT-223	200	0.32	2	10 @ 3V	10 @ 5V	58	2.2	1.46	1.08	.73	.62
522-ZVN0124A	ZVN0124A	E-Line	240	0.16	0.7	-----	16	62	1.4	.97	.72	.49	.41
522-ZVN4424A	ZVN4424A	E-Line	240	0.26	0.75	6	5.5	100	18	1.51	1.12	.76	.64
◆522-ZVN4424ZTA	ZVN4424ZTA	SOT-89	240	0.26	0.75	6	5.5	100	18	1.11	.82	.55	.47
◆522-ZVN4424GTA	ZVN4424GTA	SOT-223	240	0.5	2.5	6	5.5	100	18	1.70	1.26	.85	.72
522-ZVN0545A	ZVN0545A	E-Line	450	0.09	0.7	-----	50	55	-----	2.48	1.84	1.24	1.06
◆522-ZVN0545GTA	ZVN0545GTA	SOT-223	450	0.14	2	-----	50	55	-----	1.19	.88	.59	.51

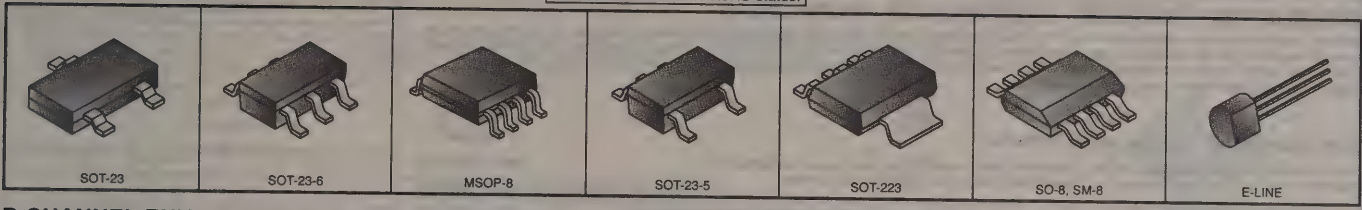
MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @		C_{ISS} typ(pF) @ V_{DS}=30V	Q_g typ(nC) @ V_{GS}=10V	Price Each			
						V_{GS}=4.5V	V_{GS}=10V			1	10	100	500
◆522-BSS138TA	BSS138TA	SOT-23	50	0.2	0.36	3.5 @ 5V	-----	35	-----	.52	.39	.26	.22
◆522-2N7002TA	2N7002TA	SOT-23	60	0.115	0.33	-----	3.75	27	1	.27	.20	.14	.12
◆522-ZVN3306FTA	ZVN3306FTA	SOT-23	60	0.15	0.33	-----	5	30	0.95	.84	.62	.42	.36
◆522-ZVN4106FTA	ZVN4106FTA	SOT-23	60	0.2	0.33	5 @ 5V	2.5	27	1	.92	.68	.46	.39
522-ZVN3306A	ZVN3306A	E-Line	60	0.27	0.625	-----	5	30	0.95	.92	.68	.46	.39
522-VN10LP	VN10LP	E-Line	60	0.27	0.625	7.5 @ 5V	5	30	0.95	.92	.68	.46	.39
522-ZVN2106A	ZVN2106A	E-Line	60	0.45	0.7	-----	2	50	1.6	.97	.72	.49	.41
522-ZVN4206A	ZVN4206A	E-Line	60	0.6	0.7	1.5 @ 5V	1	70	2.4	.92	.68	.46	.39
◆522-ZVN2106GTA	ZVN2106GTA	SOT-223	60	0.71	2	-----	2	50	1.6	1.19	.88	.59	.51
◆522-ZVN4206GTA	ZVN4206GTA	SOT-223	60	1	2	1.5 @ 5V	1	70	2.4	1.46	1.08	.73	.62
522-ZVN4306A	ZVN4306A	E-Line	60	1.1	1.1	0.45 @ 5V	0.33	220	5.2	2.46	1.82	1.23	1.05
522-ZVN4306AV	ZVN4306AV	E-Line	60	1.1	1.1	0.45 @ 5V	0.33	220	5.2	2.46	1.82	1.23	1.05
◆522-ZVN4306GTA	ZVN4306GTA	SOT-223	60	2.1	3	0.45 @ 5V	0.33	220	5.2	2.16	1.60	1.08	.92
◆522-ZVN4306GVTA	ZVN4306GVTA	SOT-223	60	2.1	3	0.45 @ 5V	0.33	220	5.2	2.38	1.76	1.19	1.01
◆522-ZXMN6A09KTC	ZXMN6A09KTC	DPAK	60	11.2	10.1	0.07	0.045	1426	29	3.02	2.24	1.51	1.29

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @		C_{ISS} typ(pF) @ V_{DS}=50V	Q_g typ(nC) @ V_{GS}=10V	Price Each			
						V_{GS}=6V	V_{GS}=10V			1	10	100	500
◆522-ZVN3310FTA	ZVN3310FTA	SOT-23	100	0.1	0.33		10	25	0.7	.84	.62	.42	.36
◆522-BSS123ATA	BSS123ATA	SOT-23	100	0.17	0.36	10 @ 4.5V	6	40	1.2	.49	.36	.24	.21
◆522-BSS123TA	BSS123TA	SOT-23	100	0.17	0.36	-----	6	25	0.7	.49	.36	.24	.21
522-ZVN3310A	ZVN3310A	E-Line	100	0.2	0.625	-----	10	25	0.7	.92	.68	.46	.39
522-ZVN2110A	ZVN2110A	E-Line	100	0.32	0.7	-----	4	60	1.8	.97	.72	.49	.41
522-ZVN4210A	ZVN4210A	E-Line	100	0.45	0.7	1.8 @ 5V	1.5	65	2.7	1.13	.84	.57	.48
◆522-ZVN2110GTA	ZVN2110GTA	SOT-223	100	0.5	0.2	-----	4	60	1.8	1.35	1.00	.68	.58
◆522-ZVNL110GTA	ZVNL110GTA	SOT-223	100	0.6	2	4.5 @ 5V	3	60	1.8	1.46	1.08	.73	.62
◆522-ZXMN10A07FTA	ZXMN10A07FTA	SOT-23	100	0.64	0.8	0.9	0.7	138	2.5	.59	.44	.30	.25
◆522-ZVN4210GTA	ZVN4210GTA	SOT-223	100	0.8	2	1.8 @ 5V	1.5	65	2.7	1.46	1.08	.73	.62
522-ZVN4310A	ZVN4310A	E-Line	100	0.9	1.1	0.65 @ 5V	0.5	200	6	2.46	1.82	1.23	1.05
◆522-ZVN4310GTA	ZVN4310GTA	SOT-223	100	1.67	3	0.75 @ 5V	0.54	200	6	2.16	1.60	1.08	.92

ZETEX Single and Dual MOSFETs

Products may be RoHS compliant.
Check mouser.com for RoHS status.

ZETEX
SEMICONDUCTORS



P-CHANNEL ENHANCEMENT MODE MOSFETs

◆Surface Mount Device

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @ V_{GS}=		C_{ISS} typ(pF) @ V_{DS}=-10V	Q_g typ(nC) @ V_{GS}=-4.5V	Price Each			
						-2.5V	-4.5V			1	10	100	500
◆522-ZXM61P02FTA	ZXM61P02FTA	SOT-23	-20	-0.9	0.8	0.9 @ 2.7V	0.6	160	2.7	.65	.48	.32	.28
◆522-ZXM62P02E6TA	ZXM62P02E6TA	SOT-23-6	-20	-2.3	1.7	0.375 @ 2.7V	0.2	340	4.6	1.03	.76	.51	.44
◆522-ZXM64P02XTA	ZXM64P02XTA	MSOP-8	-20	-3.5	1.8	0.13 @ 2.7V	0.09	950	5	1.89	1.40	.95	.81
◆522-ZXM66P02N8TA	ZXM66P02N8TA	SO-8	-20	-8	2.5	0.045	0.025	2100	43.3	4.05	3.00	2.03	1.73

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @ V_{GS}=				C_{ISS} typ(pF) @ V_{DS}=			Q_g typ(nC) @ V_{GS}=-10V	Price Each			
						-3.5V	-4.5V	-6V	-10V	-15V	-30V	-50V		1	10	100	500
◆522-ZVP4525E6TA	ZVP4525E6TA	SOT-23-6	-250	-0.197	1.1	18	-----	-----	14	-----	-----	75	2.5	1.24	.92	.62	.53
◆522-ZVP4525GTA	ZVP4525GTA	SOT-223	-250	-0.265	2	18	-----	-----	14	-----	-----	75	2.5	.95	.70	.47	.40
◆522-ZXMP2120E5TA	ZXMP2120E5TA	SOT-23-5	-200	-0.122	0.75	-----	-----	-----	28	-----	-----	65	1.6	.97	.72	.49	.41
◆522-ZXM61P03FTA	ZXM61P03FTA	SOT-23	-30	-1.1	0.8	-----	0.55	-----	0.35	145	-----	-----	3.7	.65	.48	.32	.28
◆522-ZXMP3A13FTA	ZXMP3A13FTA	SOT-23	-30	-1.6	0.8	-----	0.33	-----	0.21	204	-----	-----	5.2	.65	.48	.32	.28
◆522-ZXM62P03E6TA	ZXM62P03E6TA	SOT-23-6	-30	-2.6	1.7	-----	0.23	-----	0.15	350	-----	-----	8	1.03	.76	.51	.44
◆522-ZXM64P03XTA	ZXM64P03XTA	MSOP-8	-30	-3.8	1.8	-----	0.1	-----	0.075	875	-----	-----	37	2.38	1.76	1.19	1.01
◆522-ZXMP3A17E6TA	ZXMP3A17E6TA	SOT-23-6	-30	-4	1.7	-----	0.11	-----	0.07	630	-----	-----	15.8	.95	.70	.47	.40
◆522-ZXM62P03GTA	ZXM62P03GTA	SOT-223	-30	-4	3.9	-----	0.23	-----	0.15	332	-----	-----	10.2	1.24	.92	.62	.53
◆522-ZXMP3A16N8TA	ZXMP3A16N8TA	SO-8	-30	-6.7	2.5	-----	0.07	-----	0.04	970	-----	-----	24.9	1.40	1.04	.70	.60
◆522-ZXMP3A16GTA	ZXMP3A16GTA	SOT-223	-30	-7.5	2	-----	0.07	-----	0.045	970	-----	-----	24.9	1.46	1.08	.73	.62
◆522-ZXM66P03N8TA	ZXM66P03N8TA	SO-8	-30	-7.9	2.5	-----	0.035	-----	0.025	2000	-----	-----	62.5	4.05	3.00	2.03	1.73
◆522-ZXM64P035GTA	ZXM64P035GTA	SOT-223	-35	-5.3	3.9	-----	0.105	-----	0.075	875	-----	-----	37	2.86	2.12	1.43	1.22
◆522-ZXMP4A16GTA	ZXMP4A16GTA	SOT-223	-40	-6.4	3.9	-----	0.1	-----	0.06	1010	-----	-----	26.1	1.86	1.38	.93	.79
◆522-ZXMP6A13FTA	ZXMP6A13FTA	SOT-23	-60	-1.1	0.8	-----	0.6	-----	0.4	233	-----	-----	5.1	.57	.42	.28	.24
◆522-ZXMP6A17E6TA	ZXMP6A17E6TA	SOT-23-6	-60	-3	1.7	-----	0.19	-----	0.125	-----	637	-----	17.7	.95	.70	.47	.40
◆522-ZXMP10A13FTA	ZXMP10A13FTA	SOT-23	-100	-0.7	0.8	-----	-----	1.45	1.0	-----	-----	141	3.5	.59	.44	.30	.25

P-CHANNEL ENHANCEMENT MODE VERTICAL DMOS FETs

◆Surface Mount Device

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @ V_{GS}=			C_{ISS} typ(pF) @ V_{DS}=			Q_g typ(nC) @ V_{GS}=-10V	Price Each			
						-3.5V	-4.5V	-10V	-15V	-30V	-50V		1	10	100	500
◆522-ZVP1320FTA	ZVP1320FTA	SOT-23	-200	-0.035	0.33	-----	-----	80	-----	-----	28	2	.65	.48	.32	.28
522-ZVP2120A	ZVP2120A	E-Line	-200	-0.12	0.7	-----	-----	25	-----	-----	65	1.6	1.13	.84	.57	.48
◆522-ZVP2120GTA	ZVP2120GTA	SOT-223	-200	-0.3	2	-----	-----	25	-----	-----	65	1.6	.97	.72	.49	.41
522-ZVP4424A	ZVP4424A	E-Line	-240	-0.2	0.75	11	-----	9	-----	-----	100	3.7	1.57	1.16	.78	.67
◆522-ZVP4424GTA	ZVP4424GTA	SOT-223	-240	-0.48	2.5	11	-----	9	-----	-----	100	3.7	1.62	1.20	.81	.69
522-ZVP0545A	ZVP0545A	E-Line	-450	-0.045	0.7	-----	-----	150	-----	-----	-----	-----	2.48	1.84	1.24	1.06
◆522-ZVP0545GTA	ZVP0545GTA	SOT-223	-450	-0.075	2	-----	-----	150	-----	-----	-----	-----	1.19	.88	.59	.51
◆522-BS250FTA	BS250FTA	SOT-23	-45	-0.09	0.33	-----	-----	14	30	-----	-----	0.75	.92	.68	.46	.39
522-BS250P	BS250P	E-Line	-45	-0.23	0.7	-----	-----	14	60	-----	-----	1.6	1.14	.84	.57	.49
◆522-BSS84TA	BSS84TA	SOT-23	-50	-0.13	0.36	-----	10 @ 5V	-----	-----	-----	-----	-----	.52	.39	.26	.22
522-ZVP4105A	ZVP4105A	E-Line	-50	-0.18	0.625	-----	10 @ 5V	-----	-----	-----	-----	-----	1.08	.80	.54	.46
◆522-ZVP3306FTA	ZVP3306FTA	SOT-23	-60	-0.09	0.33	-----	-----	14	-----	27	-----	0.9	1.00	.74	.50	.43
522-ZVP3306A	ZVP3306A	E-Line	-60	-0.16	0.625	-----	-----	14	-----	27	-----	0.9	.76	.56	.38	.32
522-ZVP2106A	ZVP2106A	E-Line	-60	-0.28	0.7	-----	-----	5	-----	55	-----	1.7	1.13	.84	.57	.48
◆522-ZVP2106GTA	ZVP2106GTA	SOT-223	-60	-0.45	2	-----	-----	5	-----	55	-----	1.7	1.62	1.20	.81	.69
522-ZVP2110A	ZVP2110A	E-Line	-100	-0.14	0.7	-----	-----	8	-----	-----	58	1.8	1.13	.84	.57	.48
◆522-ZVP2110GTA	ZVP2110GTA	SOT-223	-100	-0.31	2	-----	-----	8	-----	-----	58	1.8	1.62	1.20	.81	.69
522-ZVP3310A	ZVP3310A	E-Line	-100	-0.14	0.625	-----	-----	20	-----	-----	20	0.7	.95	.70	.47	.40
◆522-ZVP3310FTA	ZVP3310FTA	SOT-23	-100	-0.075	0.33	-----	-----	20	-----	-----	20	0.7	1.00	.74	.50	.43

DUAL N-CHANNEL ENHANCEMENT MODE MOSFETs

◆Surface Mount Device

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @ V_{GS}=			C_{ISS} typ(pF) @ V_{DS}=		Q_g typ(nC) @ V_{GS}=		Price Each			
						-2.5V	-4.5V	-10V	-10V	-15V	-4.5V	-10V	1	10	100	500
◆522-ZXMD63N02XTA	ZXMD63N02XTA	MSOP-8	20	2.4	1.25	0.150 @ 2.7V	0.13	-----	360	-----	4.8	-----	3.40	2.52	1.70	1.45
◆522-ZXMN2A04DN8TA	ZXMN2A04DN8TA	SO-8	20	6.8	2.1	0.04	0.025	-----	2300	-----	24	-----	3.35	2.48	1.67	1.43
◆522-ZXMD63N03XTA	ZXMD63N03XTA	MSOP-8	30	2.3	1.25	-----	0.2	0.135	-----	300	-----	6.1	3.40	2.52	1.70	1.45
◆522-ZXMN3A06DN8TA	ZXMN3A06DN8TA	SO-8	30	6.2	2.1	-----	0.05	0.035	-----	750	-----	17.5	1.78	1.32	.89	.76
◆522-ZXMN3A04DN8TA	ZXMN3A04DN8TA	SO-8	30	8.5	2.1	-----	0.03	0.02	-----	1890	-----	35.7	3.02	2.24	1.51	1.29
◆522-ZDM4206NTA	ZDM4206NTA	SM-8	60	1	2.25	-----	1.5 @ 5V	1	-----	70	-----	2.4	3.13	2.32	1.57	1.33
◆522-ZXMN6A25DN8TA	ZXMN6A25DN8TA	SO-8	60	4.7	2.1	-----	0.075	0.055	-----	980	-----	20.4	2.32	1.72	1.16	.99
◆522-ZXMN6A09DN8TA	ZXMN6A09DB8TA	SO-8	60	5.2	2.1	-----	0.07	0.045	-----	1410	-----	24	3.24	2.40	1.62	1.38

DUAL P-CHANNEL ENHANCEMENT MODE MOSFETs

◆Surface Mount Device

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @ V_{GS}=			C_{ISS} typ(pF) @ V_{DS}=		Q_g typ(nC) @ V_{GS}=		Price Each			
						-2.5V	-4.5V	-10V	-10V	-15V	-4.5V	-10V	1	10	100	500
◆522-ZXMD63P02XTA	ZXMD63P02XTA	MSOP-8	-20	-1.7	1.25	0.4 @ 2.7V	0.27	-----	300	-----	4.1	-----	3.58	2.65	1.79	1.52
◆522-ZXMD65P02N8TA	ZXMD65P02N8TA	SO-8	-20	-5.1	2	0.08	0.05	-----	970	-----	20	-----	4.08	3.02	2.04	1.74
◆522-ZXMP3A17DN8TA	ZXMP3A17DN8TA	SO-8	-30	-4.4	2.1	-----	0.11	0.07	-----	630	-----	15.8	1.78	1.32	.89	.76
◆522-ZXMP3A16DN8TA	ZXMP3A16DN8TA	SO-8	-30	-5.5	2.1	-----	0.07	0.045	-----	970	-----	24.9	1.94	1.44	.97	.83

DUAL N & P-CHANNEL ENHANCEMENT MODE MOSFETs

◆Surface Mount Device

RoHS Compliant

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Zetex Part No.	Package	BV_{DSS} (V)	I_D (A)	P_D (W)	$R_{DS(on)}$ Max (Ω) @ V_{GS}=			C_{ISS} typ(pF) @ V_{DS}=		Q_g typ(nC) @ V_{GS}=		Price Each			
						-2.5V	-4.5V	-10V	-10V	-15V	-4.5V	-10V	1	10	100	500
◆522-ZXMD63C02XTA	ZXMD63C02XTA	MSOP-8	20	2.4	1.25	0.15	0.13	-----	360	-----	4.8	-----	3.24	2.40	1.62	1.38
			-20	-1.7	1.25	0.4	0.27	-----	390	-----	4.1	-----				
◆522-ZXMD63C03XTA	ZXMD63C03XTA	MSOP-8	30	2.3	1.25	-----	0.2	0.135	-----	300	-----	6.1	3.24	2.40	1.62	1.38
			-30	-2	1.25	-----	0.27	0.185	-----	280	-----	5.4				
◆522-ZXMC3A16DN8TA	ZXMC3A16DN8TA	SO-8	30	7.6	2.1	-----	0.05	0.035	-----	796	-----	17.5	2.16	1.60	1.08	.92
			-30	-6.3	2.1	-----	0.07	0.048	-----	970	-----	24.9				
◆522-ZXMC3A17DN8	ZXMC3A17DN8	SO-8	30	5.4	2.1	-----	0.065	0.05	-----	600	-----	12.2	1.47	1.09	.73	.63
			-30	-4.4	2.1	-----	0.11	0.07	-----	630	-----	15.8				

BOURNS Thyristor Surge Protectors

RoHS Compliant This page of product is compliant.

BOURNS
Reliable Electronic Solutions

BOURNS TISP THYRISTOR OVERVOLTAGE PROTECTORS

Continuing to provide the most complete solutions to your circuit protection needs, Bourns recently introduced the TISP® line of products. The TISP® products are specially designed to provide protection for telecommunications equipment in instances where high voltages occur as a result of lightning strikes, power line crosses or a/c power surges. Coupled with Bourns' Multifuse® PPTC overcurrent protectors and Bourns, Line Protection Networks, the TISP® products offer telecom customers a more comprehensive total protection product line.

Dual Bidirectional Thyristor Surge Protector

This TISP® device series protects central office, access and customer premise equipment against overvoltages on the telecom line. These devices are housed in a through-hole-3-pin single-in-line (SL) plastic package.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/45/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	1	25	50	100
652	TISP3080H3SL-S	A	65	80	500	300	200	100	1.80	1.50	1.35	1.20
652	TISP3082F3SL-S	A	66	82	80	70	50	35	1.62	1.35	1.22	1.08
652	TISP3350H3SL-S	A	275	350	500	300	200	100	1.80	1.50	1.35	1.20

Bidirectional Thyristor Surge Protector

This TISP® device series protects central office, access and customer premise equipment against overvoltages on the telecom line. These devices are housed in a through-hole DO-92 package (TO-92 package with cropped center leg).

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/45/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	1	25	50	100
652	TISP4070M3LM-S	B	58	70	300	220	100	50	.72	.60	.54	.48
652	TISP4080M3LM-S	B	65	80	300	220	100	50	.72	.60	.54	.48
652	TISP4350M3LM-S	B	275	350	300	220	100	50	.72	.60	.54	.48
652	TISP4070H3LM-S	B	58	70	500	300	200	100	.87	.73	.65	.58
652	TISP4080H3LM-S	B	65	80	500	300	200	100	.87	.73	.65	.58
652	TISP4350H3LM-S	B	275	350	500	300	200	100	.87	.73	.65	.58

Quad-Forward-Conducting Buffered P-Gate Thyristor

This small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

Independent Overvoltage Protection for Two SLICs in Short Loop Applications:

- Wide 0 to -90 V Programming Range
- Low 5 mA max. Gate Triggering Current
- High 150 mA min. (85°C) Holding Current
- Specified 1.2/50 & 0.5/700 Limiting Voltage
- Full -40°C to 85°C Temperature Range

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.		Fig.	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.			GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	ITU-T K.20/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	1	25	50	100
652	TISP6NTP2ADR-S	C	0 to -90	85	75	25	20	1.80	1.50	1.35	1.20
652	TISP61089ASDR-S	C	0 to -90	85	75	25	20	1.26	1.05	.95	.84
652	TISP61089DR-S	C	0 to -75	120	No Vaule	40	30	1.26	1.05	.95	.84
652	TISP61521DR-S	C	0 to-150	170	100	40	30	1.26	1.05	.95	.84
652	TISP6NTP2CDR-S	C	0 to-150	90	No Value	40	25	1.80	1.50	1.35	1.20
652	TISP8200MDR-S	C	0 to -90	210	No Value	70	45	1.08	.90	.81	.72
652	TISP8201MDR-S	C	0 to +90	210	No Value	70	45	1.08	.90	.81	.72

Very Low Voltage Bidirectional Thyristor Overvoltage Protectors

This surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage $V_{(BO)}$ (V)	Protect. Voltage $V_{(BO)}$ (V)	Holding Current $I_{H(mA)}$	I_{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.					GR-1089-CORE 2/10 µs (A)	TIA/EIA-IS-968 10/560 µs (A)	ITU-T K.20/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	1	25	50	100
652	TISP4015H1BJR-S	D1	8	15	50	500	125	150	100	.60	.50	.45	.40
652	TISP4040H1BJR-S	D1	25	40	50	500	125	150	100	.60	.50	.45	.40

Forward-Conducting Unidirectional Thyristor Overvoltage Protectors

This surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

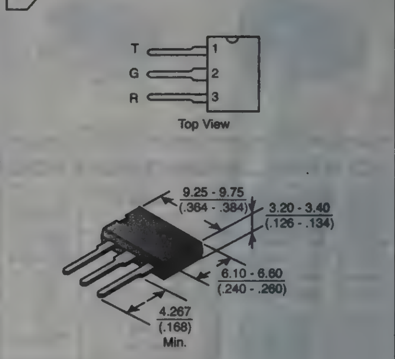
RoHS Compliant

For quantities of 500 and up, call for quote.

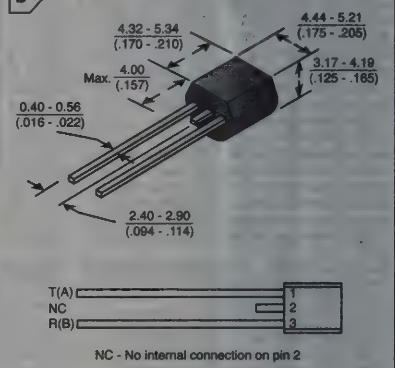
MOUSER STOCK NO.		Fig.	Standoff Voltage $V_{(BO)}$ (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards					Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 µs (A)	ANSI C62.41 8/20 µs (A)	TIA/EIA-IS-968 10/560 µs (A)	ITU-T K.20/21 5/310 µs (A)	GR-1089-CORE 10/1000 µs (A)	1	25	50	100
652	TISP5070H3BJR-S	D2	-58	-70	500	300	160	200	100	.75	.63	.56	.50
652	TISP5080H3BJR-S	D2	-65	-80	500	300	160	200	100	.75	.63	.56	.50
652	TISP5115H3BJR-S	D2	-90	-115	500	300	160	200	100	.75	.63	.56	.50
652	TISP5150H3BJR-S	D2	-120	-150	500	300	160	200	100	.75	.63	.56	.50

DIMENSIONS: mm (In.)

A

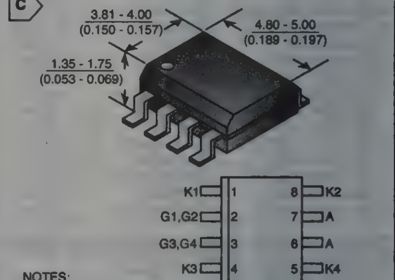


B



NC - No internal connection on pin 2

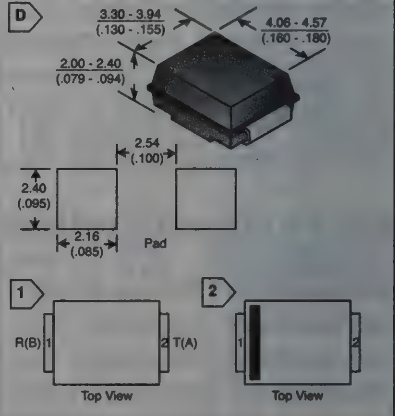
C



NOTES:

A. Leads are within 0.25 (0.010) radius of true position at maximum material condition.
B. Body dimensions do not include mold flash or protrusion.
C. Mold flash or protrusion shall not exceed 0.15 (0.006).
D. Lead tips to be planar within ±0.051 (0.002).

D



BOURNS Thyristor Surge Protectors

RoHS Compliant **This page of product is compliant.**

Reliable Electronic Solutions

BOURNS TISP THYRISTOR OVERVOLTAGE PROTECTORS

Continuing to provide the most complete solutions to your circuit protection needs, Bourns recently introduced the TISP® line of products. The TISP® products are specially designed to provide protection for telecommunications equipment in instances where high voltages occur as a result of lightning strikes, power line crosses or a/c power surges. Coupled with Bourns' Multifuse® PPTC overcurrent protectors and Bourns, Line Protection Networks, the TISP® products offer telecom customers a more comprehensive total protection product line.

Bidirectional Thyristor Overvoltage Protectors

This surface mount package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage $V_{(BO)}$ (V)	Protect. Voltage $V_{(BO)}$ (V)	Holding Current $I_{H(mA)}$	I_{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.					GR-1089-CORE 2/10 μs (A)	TIA/EIA-IS-968 10/560 μs (A)	ITU-T K.20/21 5/310 μs (A)	GR-1089-CORE 10/1000 μs (A)	1	25	50	100
652—	TISP4115H3BJR-S	A	90	115	150	500	160	200	100	.75	.63	.56	.50
652—	TISP4125H3BJR-S	A	100	125	150	500	160	200	100	.75	.63	.56	.50
652—	TISP4145H3BJR-S	A	120	145	150	500	160	200	100	.75	.63	.56	.50
652—	TISP4250H3BJR-S	A	190	250	150	500	160	200	100	.75	.63	.56	.50
652—	TISP4290H3BJR-S	A	220	290	150	500	160	200	100	.75	.63	.56	.50
652—	TISP4395H3BJR-S	A	320	395	150	500	160	200	100	.75	.63	.56	.50
652—	TISP4C115H3BJR-S	A	90	115	150	500	100	150	100	.69	.58	.52	.46
652—	TISP4C125H3BJR-S	A	100	125	150	500	100	150	100	.69	.58	.52	.46
652—	TISP4C180H3BJR-S	A	145	150	150	500	100	150	100	.69	.58	.52	.46
652—	TISP4C220H3BJR-S	A	180	220	150	500	100	150	100	.69	.58	.52	.46
652—	TISP4C250H3BJR-S	A	190	250	150	500	100	150	100	.69	.58	.52	.46
652—	TISP4C290H3BJR-S	A	220	150	150	500	100	150	100	.69	.58	.52	.46
652—	TISP4C350H3BJR-S	A	275	150	150	500	100	150	100	.69	.58	.52	.46
652—	TISP4C395H3BJR-S	A	320	150	150	500	100	150	100	.69	.58	.52	.46

Medium and High-Voltage Triple Element Bidirectional Thyristor Overvoltage Protectors

This small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

This TISP7xxxF3 series are 3-point overvoltage protectors designed for protecting against metallic (differential mode) and simultaneous longitudinal (common mode) surges. Each terminal pair as the same voltage limiting values and surge current capability. This terminal pair surge capability ensures that the protector can meet the simultaneous longitudinal surge requirement which is typically twice the metallic surge requirement.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 μs (A)	ANSI C62.41 8/20 μs (A)	ITU-T K.20/45/21 5/310 μs (A)	GR-1089-CORE 10/1000 μs (A)	1	25	50	100
652—	TISP7125F3SL-S	B	100	125	190	175	70	45	2.16	1.80	1.62	1.44
652—	TISP7290F3SL-S	B	220	290	190	175	70	45	1.80	1.50	1.35	1.20
652—	TISP7350F3SL-S	B	275	350	190	175	70	45	1.80	1.50	1.35	1.20

Triple Element Bidirectional Thyristor Overvoltage Protectors

This single-in-line package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.		Fig.	Standoff Voltage V_{DRM} (V)	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.				GR-1089-CORE 2/10 μs (A)	ANSI C62.41 8/20 μs (A)	ITU-T K.20/45/21 5/310 μs (A)	GR-1089-CORE 10/1000 μs (A)	1	25	50	100
652—	TISP7290H3SL-S	B	230	290	500	350	200	100	2.55	2.13	1.91	1.70
652—	TISP7350H3SL-S	B	275	350	500	350	200	100	2.55	2.13	1.91	1.70

Dual Forward-Conducting P-Gate Thyristor Programmable Overvoltage Protectors

This small-outline package consists of a circuit mounted on a lead frame and encapsulated within a plastic compound. The compound will withstand soldering temperature with no deformation, and circuit performance characteristics will remain stable when operated in high humidity conditions. Leads require no additional cleaning or processing when used in soldered assembly.

This TISP61089B is a dual forward-conducting buffered p-gate thyristor (SCR) overvoltage protector. It is designed to protect monolithic SLICs (Subscriber Line Interface Circuits) against overvoltages on the telephone line caused by lightning, a/c power contact and induction. The TISP61089B limits voltages that exceed the SLIC supply rail voltage. The TISP61089B parameters are specified to allow equipment compliance with Bell core GR-1089-CORE, Issue 2 and ITU-T recommendations K.20, K.21 and K.45.

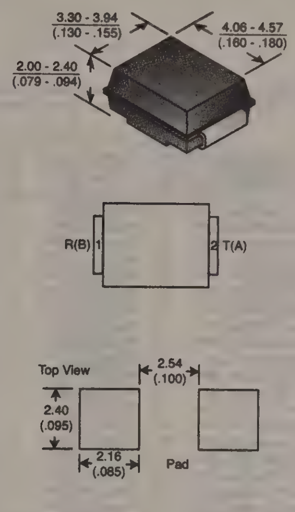
RoHS Compliant

For quantities of 200 and up, call for quote.

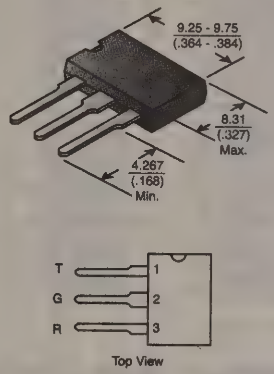
MOUSER STOCK NO.		Fig.	Protect. Voltage $V_{(BO)}$ (V)	I_{PPSM} Ratings for Lighting Surge Standards				Price Each			
Mfr.	Mfr. Part No.			GR-1089-CORE 2/10 μs (A)	ANSI C62.41 8/20 μs (A)	ITU-T K.20/21 5/310 μs (A)	GR-1089-CORE 10/1000 μs (A)	1	25	50	100
652—	TISP61089ADR-S	C	0 to -120	120	- - -	40	30	1.26	1.05	.95	.84
652—	TISP61089BDR-S	C	0 to -170	120	- - -	40	30	1.26	1.05	.95	.84
652—	TISP61089HDMR-S	C	0 to -170	- - -	150	100	- - -	3.45	2.88	2.59	2.30

DIMENSIONS: mm (in.)

A



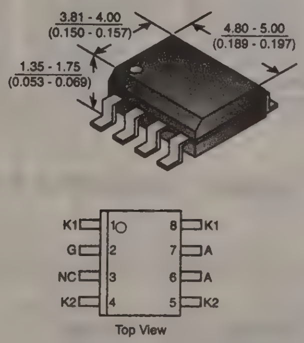
B



NOTES:

- A. Each pin centerline is located within 0.25 (0.010 of its true longitudinal position.
- B. Body molding flash of up to 0.15 (0.006) may occur in the package lead plane.

C



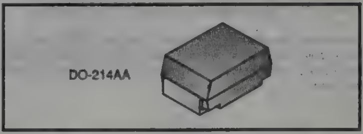
NOTES:

- A. Leads are within 0.25 (0.010) radius of true position at maximum material condition.
- B. Body dimensions do not include mold flash or protrusion.
- C. Mold flash or protrusion shall not exceed 0.15 (0.006).
- D. Lead tips to be planar within ±0.051 (0.002).

LITTELFUSE SIDACtor® Devices

RoHS Compliant This page of product is compliant.

SIDACTOR® DEVICES



RoHS Compliant

DO-214AA SIDACtor solid state protection devices protect telecommunications equipment such as; modems, line cards, and CPE (telephones, answering machines, and fax machines).

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Package	Volts			Idrm Uamps	Is mAmps	It Amps	Ih mAmps	Price Each			Price Per Reel	
			Vdrm	Vs	Vt					1	10	25	Quantity	Each
576-P0080SALRP	P0080SALRP	DO-214AA	6	25	4	5	800	2.2	50	.70	.64	.61	2500	.50
576-P0080SBLRP	P0080SBLRP	DO-214AA	6	25	4	5	800	2.2	50	.77	.70	.67	2500	.54
576-P0080SCLRP	P0080SCLRP	DO-214AA	6	25	4	5	800	2.2	50	.86	.78	.74	2500	.60
576-P0220SALRP	P0220SALRP	DO-214AA	15	32	4	5	800	2.2	50	.70	.64	.61	2500	.50
576-P0300SALRP	P0300SALRP	DO-214AA	25	40	4	5	800	2.2	50	.70	.64	.61	2500	.50
576-P0300SBLRP	P0300SBLRP	DO-214AA	25	40	4	5	800	2.2	50	.77	.70	.67	2500	.54
576-P0300SCLRP	P0300SCLRP	DO-214AA	25	40	4	5	800	2.2	50	.86	.78	.74	2500	.60
576-P0640SALRP	P0640SALRP	DO-214AA	58	77	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P0640SBLRP	P0640SBLRP	DO-214AA	58	77	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P0640SCLRP	P0640SCLRP	DO-214AA	58	77	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P0720SALRP	P0720SALRP	DO-214AA	65	88	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P0720SBLRP	P0720SBLRP	DO-214AA	65	88	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P0720SCLRP	P0720SCLRP	DO-214AA	65	88	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P0900SALRP	P0900SALRP	DO-214AA	75	98	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P0900SBLRP	P0900SBLRP	DO-214AA	75	98	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P0900SCLRP	P0900SCLRP	DO-214AA	75	98	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P1100SALRP	P1100SALRP	DO-214AA	90	130	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P1100SBLRP	P1100SBLRP	DO-214AA	90	130	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P1100SCLRP	P1100SCLRP	DO-214AA	90	130	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P1300SALRP	P1300SALRP	DO-214AA	120	160	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P1300SBLRP	P1300SBLRP	DO-214AA	120	160	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P1300SCLRP	P1300SCLRP	DO-214AA	120	160	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P1500SALRP	P1500SALRP	DO-214AA	140	180	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P1500SCLRP	P1500SCLRP	DO-214AA	140	180	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P1800SALRP	P1800SALRP	DO-214AA	170	220	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P1800SBLRP	P1800SBLRP	DO-214AA	170	220	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P1800SCLRP	P1800SCLRP	DO-214AA	170	220	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P2300SALRP	P2300SALRP	DO-214AA	190	260	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P2300SBLRP	P2300SBLRP	DO-214AA	190	260	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P2300SCLRP	P2300SCLRP	DO-214AA	190	260	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P2600SALRP	P2600SALRP	DO-214AA	220	300	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P2600SBLRP	P2600SBLRP	DO-214AA	220	300	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P2600SCLRP	P2600SCLRP	DO-214AA	220	300	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P3100SALRP	P3100SALRP	DO-214AA	275	350	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P3100SBLRP	P3100SBLRP	DO-214AA	275	350	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P3100SCLRP	P3100SCLRP	DO-214AA	275	350	4	5	800	2.2	150	.86	.78	.74	2500	.60
576-P3500SALRP	P3500SALRP	DO-214AA	320	400	4	5	800	2.2	150	.70	.64	.61	2500	.50
576-P3500SBLRP	P3500SBLRP	DO-214AA	320	400	4	5	800	2.2	150	.77	.70	.67	2500	.54
576-P3500SCLRP	P3500SCLRP	DO-214AA	320	400	4	5	800	2.2	150	.86	.78	.74	2500	.60

MICROCAPACITANCE (MC) SC SIDACTOR DEVICES

RoHS Compliant

These DO-214AA SCMC SIDACtor devices are intended for applications sensitive to load values. Typically, high speed connections, such as xDSL and T1/E1, require a lower capacitance. CO values for the MicroCapacitance device are 40 percent lower than a standard SC part.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Package	Volts			Idrm Uamps	Is mAmps	It Amps	Ih mAmps	Price Each			Price Per Reel	
			Vdrm	Vs	Vt					1	10	25	Quantity	Each
576-P0080SCMCLRP	P0080SCMCLRP	DO-214AA	6	25	4	5	800	2.2	50	.95	.86	.82	2500	.67
576-P0300SCMCLRP	P0300SCMCLRP	DO-214AA	25	40	4	5	800	2.2	50	.95	.86	.82	2500	.67
576-P0640SCMCLRP	P0640SCMCLRP	DO-214AA	58	77	4	5	800	2.2	150	.95	.86	.82	2500	.67
576-P0900SCMCLRP	P0900SCMCLRP	DO-214AA	75	98	4	5	800	2.2	150	.95	.86	.82	2500	.67
576-P1300SCMCLRP	P1300SCMCLRP	DO-214AA	120	160	4	5	800	2.2	150	.95	.86	.82	2500	.67
576-P1800SCMCLRP	P1800SCMCLRP	DO-214AA	170	220	4	5	800	2.2	150	.95	.86	.82	2500	.67
576-P2600SCMCLRP	P2600SCMCLRP	DO-214AA	220	300	4	5	800	2.2	150	.95	.86	.82	2500	.67
576-P3100SCMCLRP	P3100SCMCLRP	DO-214AA	275	350	4	5	800	2.2	150	.95	.86	.82	2500	.67

HIGH SURGE CURRENT (D-RATED) SIDACTOR DEVICES

RoHS Compliant

DO-214AA SIDACtor solid state protection devices with a D surge rating protect telecommunications equipment located in hostile environments. Surge ratings are twice that of a device with a C surge rating.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Package	Volts			Idrm Uamps	Is mAmps	It Amps	Ih mAmps	Price Each			Price Per Reel	
			Vdrm	Vs	Vt					1	10	25	Quantity	Each
576-P0080SDLRP	P0080SDLRP	DO-214AA	6	25	4	5	800	2	50	1.08	.98	.93	2500	.76
576-P0640SDLRP	P0640SDLRP	DO-214AA	58	77	4	5	800	2.2	50	1.08	.98	.93	2500	.76
576-P0720SDLRP	P0720SDLRP	DO-214AA	65	88	4	5	800	2.2	50	1.08	.98	.93	2500	.76
576-P0900SDLRP	P0900SDLRP	DO-214AA	75	98	4	5	800	2.2	50	1.08	.98	.93	2500	.76
576-P1500SDLRP	P1500SDLRP	DO-214AA	140	180	4	5	800	2.2	50	1.08	.98	.93	2500	.76
576-P1800SDLRP	P1800SDLRP	DO-214AA	170	220	4	5	800	2.2	50	1.08	.98	.93	2500	.76
576-P2300SDLRP	P2300SDLRP	DO-214AA	190	260	4	5	800	2.2	50	1.08	.98	.93	2500	.76
576-P2600SDLRP	P2600SDLRP	DO-214AA	220	300	4	5	800	2.2	50	1.08	.98	.93	2500	.76
576-P3100SDLRP	P3100SDLRP	DO-214AA	275	350	4	5	800	2.2	50	1.08	.98	.93	2500	.76
576-P3500SDLRP	P3500SDLRP	DO-214AA	320	400	4	5	800	2.2	50	1.08	.98	.93	2500	.76

LITTELFUSE Teccor® Thyristors

RoHS Compliant This page of product is compliant.

♦ Surface Mount

LITTELFUSE SIDACS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	$I_{T(RMS)}$	V_{DRM}	VBO (V)		I_{DRM} Max.	I_{BO} Max.	I_H (mA)		V_{TM} (V)	I_{TSM} (A)		RS (kΩ)	Price Each		
Mfr.	Mfr. Part No.		Amps	Volts	Min.	Max.	(µA)	(µA)	TYP.	Max.	Max.	60Hz	50Hz	Min.	1	10	100
576	K0900E70	TO-92	1	±70	79	97	5	10	60	150	1.5	20	16.7	0.1	.50	.47	.45
576	K0900G	DO-15X	1	±70	79	97	5	10	60	150	1.5	20	16.7	0.1	.57	.51	.47
♦576	K0900SRP	DO-214	1	±70	79	97	5	10	60	150	1.5	20	16.7	0.1	.54	.52	.49
576	K1050E70	TO-92	1	±90	95	113	5	10	60	150	1.5	20	16.7	0.1	.50	.47	.45
576	K1050G	DO-15X	1	±90	95	113	5	10	60	150	1.5	20	16.7	0.1	.57	.51	.47
♦576	K1050SRP	DO-214	1	±90	95	113	5	10	60	150	1.5	20	16.7	0.1	.54	.52	.49
576	K1100E70	TO-92	1	±90	104	118	5	10	60	150	1.5	20	16.7	0.1	.50	.47	.45
576	K1100G	DO-15X	1	±90	104	118	5	10	60	150	1.5	20	16.7	0.1	.57	.51	.47
♦576	K1100SRP	DO-214	1	±90	104	118	5	10	60	150	1.5	20	16.7	0.1	.54	.52	.49
576	K1200E70	TO-92	1	±90	110	125	5	10	60	150	1.5	20	16.7	0.1	.50	.47	.45
576	K1200G	DO-15X	1	±90	110	125	5	10	60	150	1.5	20	16.7	0.1	.57	.51	.47
♦576	K1200SRP	DO-214	1	±90	110	125	5	10	60	150	1.5	20	16.7	0.1	.54	.52	.49
576	K1300E70	TO-92	1	±90	120	138	5	10	60	150	1.5	20	16.7	0.1	.50	.47	.45
576	K1300G	DO-15X	1	±90	120	138	5	10	60	150	1.5	20	16.7	0.1	.57	.51	.47
♦576	K1300SRP	DO-214	1	±90	120	138	5	10	60	150	1.5	20	16.7	0.1	.54	.52	.49
576	K1400E70	TO-92	1	±90	130	146	5	10	60	150	1.5	20	16.7	0.1	.57	.51	.47
576	K1400G	DO-15X	1	±90	130	146	5	10	60	150	1.5	20	16.7	0.1	.56	.54	.51
♦576	K1400SRP	DO-214	1	±90	130	146	5	10	60	150	1.5	20	16.7	0.1	.59	.56	.53
576	K1500E70	TO-92	1	±90	140	170	5	10	60	150	1.5	20	16.7	0.1	.57	.51	.47
576	K1500G	DO-15X	1	±90	140	170	5	10	60	150	1.5	20	16.7	0.1	.56	.54	.51
♦576	K1500SRP	DO-214	1	±90	140	170	5	10	60	150	1.5	20	16.7	0.1	.59	.56	.53
576	K2000E70	TO-92	1	±180	190	215	5	10	60	150	1.5	20	16.7	0.1	.59	.56	.53
576	K2000F1	TO-202	1	±180	190	215	5	10	60	150	3	20	16.7	0.1	.83	.80	.76
576	K2000G	DO-15X	1	±180	190	215	5	10	60	150	1.5	20	16.7	0.1	.63	.60	.57
♦576	K2000SRP	DO-214	1	±180	190	215	5	10	60	150	1.5	20	16.7	0.1	.65	.62	.59
576	K2200E70	TO-92	1	±180	205	230	5	10	60	150	1.5	20	16.7	0.1	.59	.56	.53
576	K2200F1	TO-202	1	±180	205	230	5	10	60	150	3	20	16.7	0.1	.83	.80	.76
576	K2200G	DO-15X	1	±180	205	230	5	10	60	150	1.5	20	16.7	0.1	.63	.60	.57
♦576	K2200SRP	DO-214	1	±180	205	230	5	10	60	150	1.5	20	16.7	0.1	.65	.62	.59
576	K2400E70	TO-92	1	±190	220	250	5	10	60	150	1.5	20	16.7	0.1	.63	.60	.57
576	K2400F1	TO-202	1	±190	220	250	5	10	60	150	3	20	16.7	0.1	.88	.84	.80
576	K2400G	DO-15X	1	±190	220	250	5	10	60	150	1.5	20	16.7	0.1	.68	.65	.62
♦576	K2400SRP	DO-214	1	±190	220	250	5	10	60	150	1.5	20	16.7	0.1	.70	.67	.64
576	K2500E70	TO-92	1	±200	240	280	5	10	60	150	1.5	20	16.7	0.1	.63	.60	.57
576	K2500F1	TO-202	1	±200	240	280	5	10	60	150	3	20	16.7	0.1	.88	.84	.80
576	K2500G	DO-15X	1	±200	240	280	5	10	60	150	1.5	20	16.7	0.1	.68	.65	.62
♦576	K2500SRP	DO-214	1	±200	240	280	5	10	60	150	1.5	20	16.7	0.1	.70	.67	.64
576	K3000F1	TO-202	1	±200	270	330	5	10	60	150	3	20	16.7	0.1	1.28	1.19	1.10

LITTELFUSE DIACS

For quantities of 500 and up, call for quote.

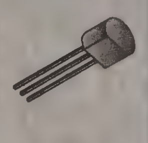
MOUSER STOCK NO.		Pkg.	VBO (V)		ΔV_{BO} (V)	V_{BB} (V)	I_{BO} (µA)	I_{TRM} (A)	Dissipation (TA = -40 to +40°C) mW	Derate Above 40°C	Price Each		
Mfr.	Mfr. Part No.		Min.	Max.	Max.	Min.	Max.	Max.			1	10	100
576	HT32	DO-35	27	37	3	10	25	2	250	3.6	.18	.17	.16
576	ST32RP	DO-214	27	37	3	10	25	2	300	3	.36	.34	.33
576	HT32A	DO-35	28	36	2	7 at 10mA	25	2	250	3.6	.18	.17	.16
576	HT5761	DO-35	28	36	2	7 at 10mA	25	2	250	3.6	.18	.17	.16
576	HT32B	DO-35	30	34	2	7 at 10mA	25	2	250	3.6	.23	.22	.21
576	HT35	DO-35	30	40	3	10	25	2	250	3.6	.18	.17	.16
576	HT5761A	DO-35	30	34	2	7 at 10mA	25	2	250	3.6	.23	.22	.21
576	ST32BRP	DO-214	30	34	2	7 at 10mA	25	2	300	3	.50	.47	.45
576	ST35RP	DO-214	30	40	3	10	25	2	300	3	.32	.30	.29
576	HT34B	DO-35	32	36	2	10	25	2	250	3.6	.23	.22	.21
576	HT36A	DO-35	32	40	2	7 at 10mA	25	2	250	3.6	.18	.17	.16
576	HT5762	DO-35	32	40	2	7 at 10mA	25	2	250	3.6	.18	.17	.16
576	ST34BRP	DO-214	32	36	2	10	25	2	300	3	.50	.47	.45
576	ST36ARP	DO-214	32	40	2	7 at 10mA	25	2	300	3	.43	.41	.39
576	HT36B	DO-35	34	38	2	10	25	2	250	3.6	.23	.22	.21
576	ST36BRP	DO-214	34	38	2	10	25	2	300	3	.50	.47	.45
576	HT40	DO-35	35	45	3	10	25	2	250	3.6	.18	.17	.16
576	ST40RP	DO-214	35	45	3	10	25	2	300	3	.32	.30	.29
576	HT60	DO-35	56	70	4	20	25	1.5	250	3.6	.18	.17	.16

LITTELFUSE TRIACS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	$I_{T(RMS)}$	V_{DRM}	I_{GT} (mA)				I_{DRM} Max. (mA)			V_{TM} (V)	V_{GT} (V)	Watts		dv/dt (V/µs)		Price Each		
					Max.			TYP												
Mfr.	Mfr. Part No.		Amps	Volts	Q1	Q2	Q3	Q4	TC=25°C	TC=100°C	TC=125°C	TC=25°C	TC=25°C	P_{GM}	$P_{G(AV)}$	TYP.	TC=25°C	1	10	100
♦576	Q6X3RP	Compak	0.8	600	10	10	10	25	0.02	0.5	1	1.6	2	10	0.2	1	25	.70	.67	.64
576	Q201E3	TO-92	1	200	10	10	10	25	0.02	0.5	1	1.6	2	10	0.2	1	40	.56	.54	.51
576	Q401E3	TO-92	1	400	10	10	10	25	0.02	0.5	1	1.6	2	10	0.2	1	40	.63	.60	.57
576	Q2004F31	TO-202	4	200	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.77	.73	.70
576	Q2004F41	TO-202	4	200	25	25	25	50	0.05	0.5	2	1.6	2.5	15	0.3	2	100	.72	.69	.66
576	Q2004L3	TO-220	4	200	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.97	.93	.88
♦576	Q4004D3RP	TO-252	4	400	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.81	.77	.74
576	Q4004F31	TO-202	4	400	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	.83	.80	.76
576	Q4004F41	TO-202	4	400	25	25	25	50	0.05	0.5	2	1.6	2.5	15	0.3	2	100	.81	.77	.74
576	Q4004L3	TO-220	4	400	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	50	1.06	1.01	.96
576	Q4004L4	TO-220	4	400	25	25	25	50	0.05	0.5	2	1.6	2.5	15	0.3	2	100	1.01	.97	.92
576	Q6004L3	TO-220	4	600	10	10	10	25	0.05	0.5	2	1.6	2	15	0.3	2	40	1.26	1.21	1.15
576	Q6004L4	TO-220	4	600	25	25	25	50	0.05	0.5	2	1.6	2.5	15	0.3	2	75	1.20	1.14	1.09
576	Q4006L4	TO-220	6	400	25	25	25	50	0.05	0.5	2	1.6	2.5	18	0.5	4	200	1.15	1.10	1.05
576	Q6006L5	TO-220	6	600	50	50	50	75	0.05	0.5	2	1.6	2.5	18	0.5	4	150	1.31	1.25	1.19
576	Q6006R5	TO-220	6	600	50	50	50	75	0.05	0.5	2	1.6	2.5	18	0.5	4	150	1.20	1.14	1.09
576	Q2008R4	TO-220	8	200	25	25	25	50	0.05	0.5	2	1.6	2.5	20	0.5	4	250	1.06	1.01	.96
576	Q4008L4	TO-220	8	400	25	25	25	50	0.05	0.5	2	1.6	2.5	20	0.5	4	250	1.26	1.21	1.15
576	Q4008R4	TO-220	8	400	25	25	25	50	0.05	0.5	2	1.6	2.5	20	0.5	4	250	1.15	1.10	1.05
576	Q6008L5	TO-220	8	600	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	220	1.40	1.33	1.27
576	Q6008R5	TO-220	8	600	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	220	1.29	1.23	1.17

RoHS Compliant



TO-92

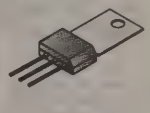
RoHS Compliant

DO-15X

RoHS Compliant

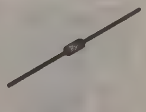
TO-214

RoHS Compliant



TO-202

RoHS Compliant



DO-35

RoHS Compliant

Compak

LITTELFUSE Teccor® Thyristors

RoHS Compliant This page of product is compliant.

♦ Surface Mount

LITTELFUSE TRIACS (CONT.)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Pkg.	$I_{T (RMS)}$	V_{DRM}	I_{GT} (mA)				I_{DRM} Max. (mA)			V_{TM} (V)	V_{GT} (V)	Watts		dv/dt (V/μs)		Price Each	
					Max.			TYP.											
Mfr.	Mfr. Part No.		Amps	Volts	Q1	Q2	Q3	Q4	TC=25°C	TC=100°C	TC=125°C	TC=25°C	TC=25°C	P_{GM}	$P_{G(AV)}$	TYP.	TC=25°C	1	10
576—	Q2010L5	TO-220	10	200	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.24	1.18
576—	Q2010R5	TO-220	10	200	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.15	1.10
576—	Q4010L5	TO-220	10	400	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.38	1.31
576—	Q4010R5	TO-220	10	400	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.26	1.21
576—	Q6010L5	TO-220	10	600	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	300	1.62	1.55
576—	Q6010R5	TO-220	10	600	50	50	50	75	0.05	0.5	2	1.6	2.5	20	0.5	4	300	1.49	1.42
576—	Q8010L5	TO-220	10	800	50	50	50	75	0.1	0.5	2	1.6	2.5	20	0.5	4	250	1.87	1.79
576—	Q2015L5	TO-220	15	200	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	400	1.49	1.42
576—	Q2015R5	TO-220	15	200	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	400	1.38	1.31
576—	Q4015L5	TO-220	15	400	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	400	1.65	1.57
576—	Q4015R5	TO-220	15	400	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	400	1.51	1.44
576—	Q6015L5	TO-220	15	600	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.94	1.85
576—	Q6015R5	TO-220	15	600	50	50	50	-	0.05	0.5	2	1.6	2.5	20	0.5	4	350	1.80	1.72
576—	Q8015L5	TO-220	15	800	50	50	50	-	0.1	1	3	1.6	2.5	20	0.5	4	300	2.26	2.15
♦ 576—	Q4025N5RP	TO-263	25	400	50	50	50	-	0.1	1	3	1.8	2.5	20	0.5	5	400	2.16	2.07
576—	Q4025R5	TO-220	25	400	50	50	50	-	0.1	1	3	1.8	2.5	20	0.5	5	400	1.94	1.85
♦ 576—	Q4025R5	TO-263	25	600	50	50	50	-	0.1	1	3	1.8	2.5	20	0.5	5	350	1.94	1.85
576—	Q6025P5	TO-3	25	600	50	50	50		0.1	0	5	1.4	0.2	20	0.5	5	550	7.80	7.45
576—	Q6025R5	TO-220	25	600	50	50	50	-	0.1	1	3	1.8	2.5	20	0.5	5	350	2.30	2.20
576—	Q6035P5	TO-3	35	600	50	50	50	120	0.1	5	3	1.5	2.75	20	0.5	5	550	9.49	9.06

LITTELFUSE ALTERNISTOR TRIACS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	$I_{T (RMS)}$	V_{DRM}	I_{GT} (mA)			I_{DRM} Max. (mA)			V_{TM} (V)	V_{GT} (V)	Watts		dv/dt (V/μs)		Price Each	
					Max.													
Mfr.	Mfr. Part No.		Amps	Volts	Q1	Q2	Q3	TC=25°C	TC=100°C	TC=125°C	TC=25°C	TC=25°C	P_{GM}	$P_{G(AV)}$	TYP.	TC=100°C	1	10
576—	Q4025K6	TO-218	25	400	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	875	4.76	4.54
576—	Q6025K6	TO-218	25	600	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	800	5.28	5.04
576—	Q4040K7	TO-218	40	400	100	100	100	0.2	2	5	1.8	2.5	40	0.8	50	1100	6.36	6.07
576—	Q6040K7	TO-218	40	600	100	100	100	0.2	2	5	1.8	2.5	40	0.8	50	1000	7.04	6.72
576—	Q6006LH4	TO-220	6	600	35	35	35	0.01	0.5	2	1.6	1.3	18	0.5	25	425	1.38	1.31
576—	Q8010LH5	TO-220	10	800	50	50	50	0.01	0.5	2	1.6	1.3	20	0.5	30	650	1.76	1.68
576—	Q4012LH5	TO-220	12	400	50	50	50	0.01	0.5	2	1.6	1.3	20	0.5	30	1000	1.47	1.40
576—	Q8016LH4	TO-220	16	800	35	35	35	0.1	1	3	1.6	2	20	0.5	25	425	2.30	2.20
576—	Q2025L6	TO-220	25	200	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	875	2.21	2.11
576—	Q4025L6	TO-220	25	400	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	875	2.44	2.32
576—	Q6025L6	TO-220	25	600	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	800	2.71	2.58
576—	Q6025R6	TO-220	25	600	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	800	2.44	2.32
576—	Q8025L6	TO-220	25	800	80	80	80	0.1	1	3	1.8	2.5	20	0.5	30	700	3.22	3.08
576—	Q4025J6	TO-218X	25	400	80	80	80	0.05	0.5	2	1.8	2.5	20	0.5	30	875	5.25	5.02
576—	Q8025J6	TO-218X	25	800	80	80	80	0.1	1	3	1.8	2.5	20	0.5	30	700	6.92	6.61
576—	Q4030LH5	TO0220	30	400	50	50	50	0.05	0	2	1.4	2	20	0.5	20	600	2.71	2.58
576—	Q4040J7	TO-218X	40	400	100	100	100	0.2	2	5	1.8	2.5	40	0.8	50	1100	7.01	6.69
576—	Q8040J7	TO-218X	40	800	100	100	100	0.2	2	5	1.8	2.5	40	0.8	50	900	9.25	8.83

LITTELFUSE SENSITIVE TRIACS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Pkg.	$I_{T (RMS)}$	V_{DRM}	I_{GT} (mA) Max.				I_{DRM} Max. (mA)		V_{TM} (V)	V_{GT} (V)	Watts		I_{TSM} Amps	dv/dt (V/μs)		Price Each	
Mfr.	Mfr. Part No.		Amps	Volts	Q1	Q2	Q3	Q4	TC=25°C	TC=110°C	TC=25°C	TC=25°C	P_{GM}	$P_{G(AV)}$	60/50Hz	TYP.	TC=100°C	1	10
♦ 576—	L2X3RP	Compak	0.8	200	3	3	3	3	0.01	0.1	1.6	2	10	0.2	10/8.3	0.5	20	.68	.65
576—	L201E3	TO-92	1	200	3	3	3	3	0.01	0.1	1.6	2	10	0.2	20/16.7	0.5	20	.65	.62
576—	L601E3	TO-92	1	600	3	3	3	3	0.01	0.1	1.6	2	10	0.2	20/16.7	0.5	10	.79	.75
576—	L2004F31	TO-202	4	200	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	25	.92	.88
576—	L2004F51	TO-202	4	200	5	5	5	5	0.01	0.2	1.6	2	15	0.3	40/33	1	25	.88	.84
576—	L2004L3	TO-220	4	200	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	25	1.17	1.12
576—	L4004F31	TO-202	4	400	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0	25	.97	.93
576—	L4004F51	TO-202	4	400	5	5	5	5	0.01	0.2	1.6	2	15	0.3	40/33	1	25	.92	.88
576—	L4004L3	TO-220	4	400	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	25	1.22	1.16
576—	L6004F31	TO-202	4	600	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	15	1.10	1.05
576—	L6004F51	TO-202	4	600	5	5	5	5	0.01	0.2	1.6	2	15	0.3	40/33	1	15	1.06	1.01
576—	L6004L3	TO-220	4	600	3	3	3	3	0.01	0.2	1.6	2	15	0.3	40/33	0.5	15	1.40	1.33
576—	L6008L6	TO-220	8	600	5	5	5	10	0.02	0.5	1.6	2	18	0.4	80/65	2	20	1.99	1.85

LITTELFUSE QUADRIACS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Pkg.	$I_{T (RMS)}$	V_{DRM}	I_{DRM} Max. (mA)			V_{TM} (V)	ΔV_{BO} (V)	V_{BO} (V)		ΔV ± (V)	I_{BO} (μA)	C_T (μF)	I_{TSM} Amps	dv/dt (V/μs)		Price Each	
Mfr.	Mfr. Part No.		Amps	Volts	TC=25°C	TC=100°C	TC=125°C	TC=25°C	TC=25°C	Min.	Max.	Min.	Max.	Max.	60/50Hz	TYP.	TC=100°C	1	10
576—	Q2004LT	TO-220	4	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	55/46	3	75	1.08	1.03
576—	Q4004LT	TO-220	4	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	55/46	3	75	1.17	1.12
576—	Q6004LT	TO-220	4	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	55/46	3	50	1.40	1.33
576—	Q2006LT	TO-220	6	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	4	150	1.20	1.14
576—	Q4006LT	TO-220	6	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	4	150	1.31	1.25
576—	Q6006LT	TO-220	6	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	4	125	1.56	1.49
576—	Q4006LTH	TO-220	6	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	25	575	1.35	1.29
576—	Q6006LTH	TO-220	6	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	80/65	25	425	1.60	1.53
576—	Q2008LT	TO-220	8	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	4	175	1.31	1.25
576—	Q4008LT	TO-220	8	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	4	175	1.42	1.36
576—	Q6008LT	TO-220	8	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	4	150	1.69	1.61
576—	Q4008LTH	TO-220	8	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	25	575	1.47	1.40
576—	Q6008LTH	TO-220	8	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	100/83	25	425	1.74	1.66
576—	Q2010LT	TO-220	10	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	4	200	1.40	1.33
576—	Q4010LT	TO-220	10	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	4	200	1.56	1.49
576—	Q6010LT	TO-220	10	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	4	175	1.83	1.74
576—	Q4010LTH	TO-220	10	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	30	925	1.60	1.53
576—	Q6010LTH	TO-220	10	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	120/100	30	775	1.87	1.79
576—	Q2015LT	TO-220	15	200	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	4	300	1.60	1.53
576—	Q4015LT	TO-220	15	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	4	300	1.76	1.68
576—	Q6015LT	TO-220	15	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	4	200	2.10	2.00
576—	Q4015LTH	TO-220	15	400	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	30	925	1.83	1.74
576—	Q6015LTH	TO-220	15	600	0.05	0.5	2	1.6	3	33	43	5	25	0.1	200/167	30	775	2.14	2.04

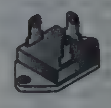
RoHS Compliant

TO-220

RoHS Compliant

TO-263

RoHS Compliant



TO-3

RoHS Compliant

TO-218

RoHS Compliant

TO-218X

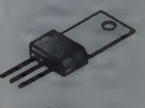
RoHS Compliant

Compak

RoHS Compliant

TO-92

RoHS Compliant



TO-202

ON SEMICONDUCTOR Thyristors and Circuit Protection

RoHS Compliant **This page of product is compliant.**

THYRISTORS

Silicon

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT(RMS) Max (A)	VDRM Min (V)	ITSM Max (A)	IGT Max (mA)	VGT Max (V)	Price Each			
								1	25	100	500
863-2N5061RLRAG	2N5061RLRAG	TO-92	0.8	-	10	0.2	0.8	.20	.17	.15	.13
863-2N6404G	2N6404G	TO-220 3	16	-	160	30	1.5	1.55	1.39	1.15	1.09
863MCR100-6G	MCR100-6G	TO-92	0.8	-	10	0.2	0.8	.17	.14	.13	.11
863-MCR12DSMT4G	MCR12DSMT4G	DPAK 4	12	600	100	0.2	1	1.05	.90	.67	.63
863-MCR22-6RLRAG	MCR22-6-RLRAG	TO-92	1.5	400	15	0.2	0.8	.52	.44	.37	.30
863-MCR22-8RL1G	MCR22-8RL1G	TO-92	1.5	600	15	0.2	0.8	.43	.35	.28	.26
863-MCR69-3G	MCR69-3G	TO-220 3	25	-	300	30	1.5	1.58	1.39	1.15	1.09
863-MCR8SNG	MCR8SNG	TO-220 3	8	800	80	0.2	1	1.26	1.08	.90	.72

Programmable Unijunction Transistors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IGAO Max (μA)	IP Max (μA)	VT		IV Max (μA)	Price Each			
					Min (V)	Max (V)		1	25	100	500
863-2N6027G	2N6027G	TO-92	0.01	2	0.2	1.6	50	1.38	.28	.20	.16
863-2N6028G	2N6028G	TO-92	0.01	0.15	0.2	0.6	25	.30	.26	.19	.15

EMI and RFI Filters

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT(RMS) Max (A)	VDRM Min (V)	ITSM Max (A)	IGT Max (mA)	VGT Max (V)	Price Each			
								1	25	100	500
863-C106BG	C106BG	TO-225	4	200	20	0.2	0.8	.50	.39	.32	.27
863-2N6507TG	2N6507TG	TO-220	25	400	300	30	1.5	1.54	1.32	1.10	.88
863-C106D1G	C106D1G	TO-225	4	400	20	0.2	0.8	.42	.36	.30	.24
863-C106DG	C106DG	TO-225	4	400	20	0.2	0.8	.50	.39	.32	.27
863-MCR25DG	MCR25DG	TO-220	25	400	300	30	1	1.74	1.49	1.25	1.00
863-MCR8SDG	MCR8SDG	TO-220	8	400	80	0.2	1	.96	.82	.68	.55
863-C106MG	C106MG	TO-225	4	600	20	0.2	0.8	.50	.39	.32	.27
863-MCR12NG	MCR12NG	DPAK	12	800	100	20	1	1.04	.89	.74	.59
863-MCR8SNG	MCR8SNG	TO-220	8	800	80	0.2	1	1.04	.89	.74	.59

SIDACs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT(RMS) Max (A)	V(BO) Min.	V(BO) Max	Price Each			
						1	25	100	500
863-MKP3V120G	MKP3V120G	Axial Lead	1	110	130	1.08	.90	.81	.68
863-MKP3V120RLG	MKP3V120RLG	Axial Lead	1	110	130	1.08	.90	.81	.68

TRIACS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	IT (RMS) Max (A)	VDRM Min (V)	ITSM Max (A)	Type	Price Each			
							1	25	100	500
863-2N6344G	2N6344G	TO-220 3	8	600	100	Triac	1.74	1.40	1.12	.90
863-MAC12DG	MAC12DG	TO-220 3	12	100	100	Sensitive Gate Triacs	1.00	.86	.70	.60
863-MAC4DHMT4G	MAC4DHMT4G	DPAK 4	4	600	40	Triac	.64	.51	.41	.33
863-MAC12DG	MAC12DG	TO-220	12	100	100	Sensitive Gate Triac	1.00	.86	.70	.60
863-2N6071BG	2N6071BG	TO-225	4	200	30	Sensitive Gate Triac	.63	.54	.45	.36
863-2N6071BTG	2N6071BTG	TO-225	4	200	30	Sensitive Gate Triac	.58	.50	.42	.33
863-2N6073BG	2N6073BG	TO-225	4	400	30	Sensitive Gate Triac	.63	.54	.45	.36
863-MAC15A6G	MAC15A6G	TO-220	15	400	150	Triac	1.26	1.19	1.02	.87
863-MAC16DG	MAC16DG	TO-220	16	400	150	Triac	1.10	1.10	.90	.72
863-MAC228A6G	MAC228A6G	TO-220	8	400	80	Sensitive Gate Triac	1.25	1.15	.96	.79
863-MAC8DG	MAC8DG	TO-220	8	400	80	Triac	1.05	.89	.71	.60
863-2N6075AG	2N6075AG	TO-225	4	600	30	Sensitive Gate Triac	.63	.54	.45	.36
863-2N6075BG	2N6075BG	TO-225	4	600	30	Sensitive Gate Triac	.63	.54	.45	.36
863-2N6348AG	2N6348AG	TO-220	12	600	100	Triac	1.26	1.19	1.02	.87
863-MAC12MG	MAC12MG	TO-220	12	600	100	Triac	1.00	.85	.71	.57
863-MAC15A8G	MAC15A8G	TO-220	15	600	150	Triac	1.26	1.19	1.02	.87
863-MAC16MG	MAC16MG	TO-220	16	600	150	Triac	1.25	1.07	.89	.71
863-MAC228A8G	MAC228A8G	TO-220	8	600	80	Sensitive Gate Triac	1.25	1.15	.96	.79
863-MAC8MG	MAC8MG	TO-220	8	600	80	Triac	1.00	.86	.70	.60
863-MAC8SMG	MAC8SMG	TO-220	8	600	70	Sensitive Gate Triac	1.19	.97	.77	.68
863-2N6349AG	2N6349AG	TO-220	12	800	100	Triac	1.26	1.19	1.02	.87
863-MAC15A10G	MAC15A10G	TO-220	15	800	150	Triac	1.25	1.18	1.05	.87
863-MAC16NG	MAC16NG	TO-220	16	800	150	Triac	1.41	1.21	1.01	.81
863-MAC228A10G	MAC228A10G	TO-220	8	800	80	Sensitive Gate Triac	1.25	1.22	.97	.83
863-MAC8NG	MAC8NG	TO-220	8	800	80	Triac	1.05	.97	.72	.49
863-MAC8SNG	MAC8SNG	TO-220	8	800	70	Sensitive Gate Triac	1.12	.96	.80	.64

CIRCUIT PROTECTION

EMI and RFI Filters

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) Typ (V)	VRWM Max (V)	IR Max (μAmps)	R Typ (Ω)	C Typ (pF)	Price Each			
								1	25	100	500
Dataline Filters											
863-NUF2240W1T1G	NUF2240W1T1G	SOT-363	7	5	1	100	17	.38	.30	.27	.24
863-NZF220DFT1G	NZF220DFT1G	SOT-353	7	3	1	100	22	.39	.31	.28	.25
USB Filters											
863-NUF2101MT1G	NUF2101MT1G	TSOP-6	7	5.25	0.1	30	55	.50	.40	.36	.32
863-NUF2221W1T2G	NUF2221W1T2G	SC-88	6.8	5.25	0.1	22	42	.63	.50	.45	.40
863-NUF2015W1T2G	NUF2015W1T2G	SOT-363	6.8	5.25	0.1	15	42	.38	.30	.27	.24
863-NUF4220MNT1G	NUF4220MNT1G	DFN-8	7	5	0.1	0.85	205	.75	.63	.56	.48

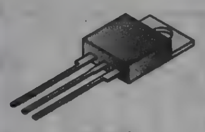
ESD

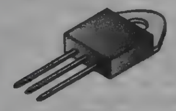
For quantities of 1000 and up, call for quote.

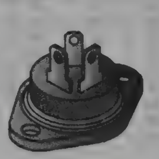
MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR)		VRWM Max (V)	IR Max (μAmps)	Price Each			
			Min (V)	Max (V)			1	25	100	500
Bidirectional										
863-NUP4301MR6T1G	NUP4301MR6T1G	SC-74	70	-	-	2.5	.58	.46	.41	.37
863-NUP1301ML3T1G	NUP1301ML3T1G	SOT-23	70	2.5	---	---	.10	.08	.07	.06
863-NUP2301MW6T1G	NUP2301MW6T1G	SOT-363	70	2.5	---	---	.25	.20	.18	.16
Unidirectional										
863-NUP4103FCT1G	NUP4103FCT1G	Flip Chip-5	6	8	5.5	0.1	.25	.20	.18	.16
863-NUR30QW5T1G	NUR30QW5T1G	SOT-353	---	---	---	1.5	.31	.25	.23	.20

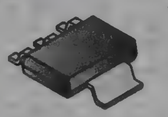
STMICROELECTRONICS Triacs

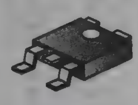
STMicroelectronics

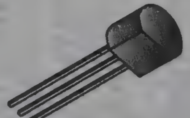

TO-220AB

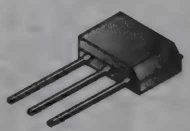

TOP3

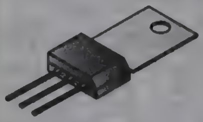

RD91


SOT-223


TO-252


TO-92


TO-202-3


TO-202-1

NON-SENSITIVE GATE TRIACS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case, N = Non-Isolated Case

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	I_{TRMS} Max. (A)	V_{DRM} Min. (V)	I_{GT} Max. (mA)	I_{DRM} @ 25°C Max. (mA)	V_{TM} @ 25°C Max. (V)	P_{G} (AV) (W)	t_{gt} Typ. (µSec)	Price Each		
											1	10	100
Thru-Hole													
511-BTA06-400C	BTA06-400CRG	TO-220AB	I	6.0	400	25	0.01	1.65	1.0	2.0	.80	.78	.72
511-BTA06-400B	BTA06-400BRG	TO-220AB	I	6.0	400	50	0.01	1.65	1.0	2.0	.70	.69	.63
511-BTA06-600C	BTA06-600CRG	TO-220AB	I	6.0	600	25	0.01	1.65	1.0	2.0	.82	.80	.74
511-BTA06-600B	BTA06-600BRG	TO-220AB	I	6.0	600	50	0.01	1.65	1.0	2.0	.82	.80	.74
511-BTB06-600C	BTB06-600CRG	TO-220AB	N	6.0	600	25	0.01	1.65	1.0	2.0	.76	.75	.69
511-BTA08-400B	BTA08-400BRG	TO-220AB	I	8.0	400	50	0.01	1.75	1.0	2.0	.66	.65	.60
511-BTB08-400C	BTB08-400CRG	TO-220AB	N	8.0	400	25	0.01	1.75	1.0	2.0	.76	.75	.69
511-BTB08-400B	BTB08-400BRG	TO-220AB	N	8.0	400	50	0.005	1.55	1.0	2.0	.76	.75	.69
511-BTA08-600C	BTA08-600CRG	TO-220AB	I	8.0	600	25	0.01	1.75	1.0	2.0	.94	.92	.85
511-BTB08-600B	BTB08-600BRG	TO-220AB	N	8.0	600	50	0.01	1.75	1.0	2.0	.80	.78	.72
511-BTA10-400C	BTA10-400CRG	TO-220AB	I	10.0	400	25	0.01	1.50	1.0	2.0	.88	.86	.80
511-BTA10-400B	BTA10-400BRG	TO-220AB	I	10.0	400	50	0.01	1.50	1.0	2.0	.86	.84	.78
511-BTA10-600C	BTA10-600CRG	TO-220AB	I	10.0	600	25	0.01	1.50	1.0	2.0	.98	.96	.89
511-BTA10-600B	BTA10-600BRG	TO-220AB	I	10.0	600	50	0.01	1.50	1.0	2.0	.98	.96	.89
511-BTA12-600B	BTA12-600BRG	TO-220AB	I	12.0	600	50	0.01	1.50	1.0	2.0	1.05	1.04	.96
511-BTB12-600B	BTB12-600BRG	TO-220AB	N	12.0	600	50	0.01	1.50	1.0	2.0	.94	.92	.85
511-BTA12-700B	BTA12-700BRG	TO-220AB	I	12.0	700	50	0.01	1.50	1.0	2.0	.90	.88	.81
511-BTA16-400B	BTA16-400BRG	TO-220AB	I	16.0	400	50	0.01	1.60	1.0	2.0	1.09	1.08	.99
511-BTA16-600B	BTA16-600BRG	TO-220AB	I	16.0	600	50	0.01	1.60	1.0	2.0	1.05	1.04	.96
511-BTB16-600B	BTB16-600BRG	TO-220AB	N	16.0	600	50	0.01	1.60	1.0	2.0	1.17	1.16	1.07
511-BTA16-800B	BTA16-800BRG	TO-220AB	I	16.0	800	50	0.01	1.60	1.0	2.0	1.45	1.43	1.32
511-BTB16-800BWRG	BTB16-800BWRG	TO-220AB	N	16.0	800	50	0.005	1.55	1.0	2.0	.92	.90	.83
511-BTA26-600B	BTA26-600BRG	TOP3	I	25.0	600	50	0.01	1.70	1.0	2.5	4.95	4.88	4.25
511-BTA25-600B	BTA25-600B	TO-220AB	I	25.0	600	50	0.005	1.55	1.0	2.0	4.95	4.88	4.25
511-BTA24-800BWRG	BTA24-800BWRG	TO-220AB	I	25.0	600	50	.01	1.55	1.0	2.5	1.59	1.56	1.44
511-BTB24-600B	BTB24-600BRG	TO-220AB	N	25.0	600	50	0.01	1.80	1.0	2.5	1.53	1.51	1.39
511-BTA26-800B	BTA26-800BRG	TOP3	I	25.0	800	50	0.005	1.55	1.0	2.0	2.97	2.93	2.55
511-BTB24-800B	BTB24-800BRG	TO-220AB	N	25.0	800	50	0.005	1.55	1.0	2.5	1.61	1.58	1.46
511-BTA41-400B	BTA41-400B	TOP3	I	40.0	400	50	0.01	1.80	1.0	2.5	6.60	5.61	4.95
511-BTA40-600B	BTA40-600B	RD91	I	40.0	600	50	0.005	1.55	1.0	2.5	6.54	6.44	5.61
511-BTA41-700B	BTA41-700BRG	TOP3	I	40.0	700	50	0.01	1.80	1.0	2.5	5.67	5.58	4.87
511-BTA40-800B	BTA40-800B	RD91	I	40.0	800	50	0.005	1.55	1.0	2.5	6.62	6.52	5.68

SENSITIVE GATE TRIACS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case, N = Non-Isolated Case

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	I_{TRMS} Max. (A)	V_{DRM} Min. (V)	I_{GT} Max. (mA)	I_{DRM} @ 25°C Max. (mA)	V_{TM} @ 25°C Max. (V)	P_{G} (AV) (W)	t_{gt} Typ. (µSec)	Price Each		
											1	10	100
Surface Mount													
511-Z0103MN	Z0103MN 5AA4	SOT-223	N	1.0	600	5	0.01	1.80	0.1	2.0	.44	.41	.37
511-T405-600B	T405-600B	TO-252	N	4.0	600	5	0.01	1.75	1.0	2.0	.49	.45	.41
Thru Hole													
511-Z00607MA	Z00607MA 1BA2	TO-92	N	0.8	600	5	0.01	1.50	0.1	2.0	.19	.18	.16
511-T410-400T	T410-400T	TO-220AB	N	4.0	400	10	0.01	1.75	1.0	2.0	.58	.57	.53
511-Z0402MF	Z0402MF 1AA2	TO-202-3	N	4.0	600	3	0.005	2.00	0.2	2.0	.44	.41	.37
511-T405-600T	T405-600T	TO-220AB	N	4.0	600	5	0.01	1.75	1.0	2.0	.62	.61	.56
511-BTB04-600T	BTB04-600TRG	TO-220AB	N	4.0	600	5	0.010	1.65	1.0	2.0	.56	.55	.51
511-T410-600T	T410-600T	TO-220AB	N	4.0	600	10	0.01	1.75	1.0	2.0	.60	.59	.54
511-Z0409MF	Z0409MF 1AA2	TO-202-3	N	4.0	600	10	0.005	2.00	0.2	2.0	.44	.41	.37
511-BTA04-700T	BTA04-700TRG	TO-220AB	I	4.0	700	5	0.010	1.65	1.0	2.0	.56	.55	.51
511-BTA06-600T	BTA06-600TRG	TO-220AB	I	6.0	600	5	0.01	1.65	1.0	2.0	.82	.80	.74
511-BTA06-600S	BTA06-600SRG	TO-220AB	I	6.0	600	10	0.01	1.65	1.0	2.0	.82	.80	.74

LOGIC LEVEL TRIACS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case, N = Non-Isolated Case

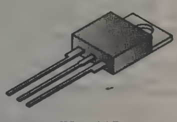
For quantities of 250 and up, call for quote.

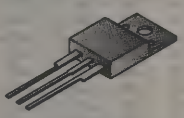
MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	I_{TRMS} Max. (A)	V_{DRM} Min. (V)	I_{GT} Max. (mA)	I_{DRM} @ 25°C Max. (mA)	V_{TM} @ 25°C Max. (V)	P_{G} (AV) (W)	t_{gt} Typ. (µSec)	Price Each		
											1	10	100
Surface Mount													
511-Z0107NN5AA4	Z0107NN 5AA4	SOT-223	N	0.8	800	7	0.005	1.56	1.0	——	.33	.30	.28
Thru Hole													
511-Z0107DA	Z0107DA 1AA2	TO-92	N	0.8	400	5	0.01	1.50	0.1	2.0	.39	.36	.33
511-Z0109DA	Z0109DA 1AA2	TO-92	N	0.8	400	10	0.01	1.50	0.1	2.0	.37	.34	.31
511-Z0103MA	Z0103MA 1AA2	TO-92	N	0.8	600	3	0.01	1.50	0.1	2.0	.27	.25	.22
511-Z0109MA	Z0109MA 1AA2	TO-92	N	0.8	600	10	0.01	1.50	0.1	2.0	.37	.34	.31
511-Z0103NA5AL2	Z0103NA 5AL2	TO-92	N	0.8	800	3	0.01	1.50	0.1	2.0	.33	.30	.28
511-Z0405DE	Z0405DE 1AA2	TO-202-1	N	4.0	400	5	0.005	2.00	0.2	2.0	.64	.63	.60
511-BTB06-600SW	BTB06-600CWRG	TO-220AB	N	6.0	600	10	0.01	1.75	1.0	2.0	.56	.55	.51
511-BTA08-600SW	BTA08-600SWRG	TO-220AB	I	8.0	600	10	0.01	1.75	1.0	2.0	.92	.90	.83
511-BTB12-700SW	BTB12-700SWRG	TO-220AB	N	12.0	700	10	0.005	1.55	1.0	2.0	.80	.78	.72

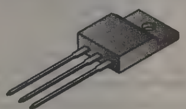
STMICROELECTRONICS Alternistors, SCRs, and Trigger Diodes

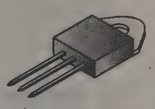
TO-252

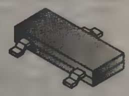
TO-263

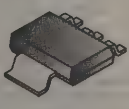

TO-220AB

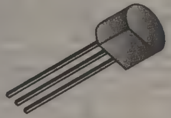

ISOWATT220

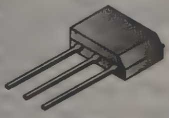

TO-220FPAB


TO-3P


SOT-23-3L


SOT-223


TO-92


TO-202-3

DO-35

SNUBBERLESS TRIACS

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case N = Non-Isolated Case

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Pkg. Type	ITRMS Max. (A)	VDRM Min. (V)	IGT Max. (mA)	IDRM @ 25°C Max. (mA)	VTM @ 25°C Max. (V)	PG (AV) (W)	tgt Typ. (µSec)	Price Each		
											1	10	100
Surface Mount													
511-T435-600B	T435-600B	TO-252	N	4.0	600	35	0.01	1.75	1.0	2.0	**.54**	**.53**	**.49**
511-T835-600G	T835-600G	TO-263	N	8.0	600	35	0.005	1.50	1.0	2.0	**.84**	**.82**	**.76**
511-T1235-600G	T1235-600G	TO-263	N	12.0	600	35	0.005	1.50	1.0	2.0	**1.19**	**1.17**	**1.08**
511-T1635-600G	T1635-600G	TO-263	N	16.0	600	35	0.005	1.50	1.0	2.0	**1.49**	**1.47**	**1.35**
511-T2535-600G	T2535-600G	TO-263	N	25.0	600	35	0.005	1.50	1.0	2.0	**2.26**	**2.23**	**1.94**
Thru Hole													
511-BTB06-400BW	BTB06-400BWRG	TO-220AB	N	6.0	400	50	0.005	1.55	1.0	2.0	**.66**	**.65**	**.60**
511-BTA06-600CW	BTA06-600CWRG	TO-220AB	N	6.0	600	35	0.005	1.55	1.0	2.0	**.82**	**.80**	**.74**
511-T630-800W	T630-800W	ISOWATT220	I	6.0	800	30	0.005	1.40	1.0	2.0	**.92**	**.90**	**.83**
511-BTA08-600BW	BTA08-600BWRG	TO-220AB	I	8.0	600	50	0.01	1.75	1.0	2.0	**.92**	**.90**	**.83**
511-BTA10-600BW	BTA10-600BW	TO-220AB	I	10.0	600	50	0.01	1.65	1.0	2.0	**.98**	**.96**	**.89**
511-BTA10-700CW	BTA10-700CWRG	TO-220AB	I	10.0	700	50	0.01	1.65	1.0	2.0	**.90**	**.88**	**.81**
511-BTA12-600BW	BTA12-600BWRG	TO-220AB	I	12.0	600	50	0.01	1.60	1.0	2.0	**1.03**	**1.02**	**.94**
511-BTA12-800BW	BTA12-800BWRG	TO-220AB	I	12.0	800	50	0.01	1.60	1.0	2.0	**.92**	**.90**	**.83**
511-BTA16-600CW	BTA16-600CWRG	TO-220AB	I	16.0	600	35	0.01	1.60	1.0	2.0	**1.19**	**1.17**	**1.08**
511-BTA16-600BW	BTA16-600BWRG	TO-220AB	I	16.0	600	50	0.01	1.60	1.0	2.0	**1.19**	**1.17**	**1.08**
511-BTB16-600BW	BTB16-600BWRG	TO-220AB	N	16.0	600	50	0.01	1.60	1.0	2.0	**1.03**	**1.02**	**.94**
511-BTA16-700CW	BTA16-700CWRG	TO-220AB	I	16.0	700	35	0.01	1.50	1.0	2.0	**.96**	**.94**	**.87**
511-BTA16-700BW	BTA16-700BWRG	TO-220AB	I	16.0	700	50	0.01	1.50	1.0	2.0	**.96**	**.94**	**.87**
511-BTA16-800CW	BTA16-800CWRG	TO-220AB	I	16.0	800	35	0.01	1.50	1.0	2.0	**1.07**	**1.06**	**.98**
511-BTA24-600BW	BTA24-600BWRG	TO-220AB	I	25.0	600	50	0.005	1.55	1.0	2.0	**1.49**	**1.47**	**1.35**
511-BTB24-600BW	BTB24-600BWRG	TO-220AB	N	25.0	600	50	0.005	1.55	1.0	2.0	**1.53**	**1.51**	**1.39**
511-BTA24-800CW	BTA24-800CWRG	TO-220AB	I	25.0	800	35	0.005	1.55	1.0	2.0	**1.49**	**1.47**	**1.35**
511-BTB24-800BW	BTB24-800BWRG	TO-220AB	N	25.0	800	50	0.005	1.55	1.0	2.0	**1.27**	**1.25**	**1.16**

NON-SENSITIVE GATE SCRs

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case N = Non-Isolated Case

For quantities of 250 and up, call for quote.

Surface Mount													
511-TN1215-600G	TN1215-600G	TO-263	N	12.0	600	15	0.005	1.50	1.0	2.0	**1.07**	**1.06**	**.98**
Thru Hole													
511-TYN606	TYN606RG	TO-220AB	N	6.0	600	15	0.01	1.60	1.0	2.0	**.60**	**.59**	**.54**
511-TYN1006	TYN1006RG	TO-220AB	N	6.0	1000	15	0.01	1.60	1.0	2.0	**.70**	**.69**	**.63**
511-TYN058	TYN058RG	TO-220AB	N	8.0	50	15	0.01	1.80	1.0	2.0	**1.09**	**1.08**	**.99**
511-TYN408	TYN408RG	TO-220AB	N	8.0	400	15	0.01	1.80	1.0	2.0	**.80**	**.78**	**.72**
511-TYN608	TYN608RG	TO-220AB	N	8.0	600	15	0.01	1.80	1.0	2.0	**.90**	**.88**	**.81**
511-TYN1008	TYN1008RG	TO-220AB	N	8.0	1000	25	0.01	1.80	1.0	2.0	**.76**	**.75**	**.69**
511-TYN410	TYN410RG	TO-220AB	N	10.0	400	15	0.01	1.60	1.0	2.0	**.84**	**.82**	**.76**
511-TYN610	TYN610RG	TO-220AB	N	10.0	600	15	0.01	1.60	1.0	2.0	**.92**	**.90**	**.83**
511-TYN810	TYN810RG	TO-220AB	N	10.0	800	15	0.01	1.60	1.0	2.0	**.78**	**.77**	**.71**
511-TYN412	TYN412RG	TO-220AB	N	12.0	400	15	0.01	1.60	1.0	2.0	**.84**	**.82**	**.76**
511-TYN612	TYN612RG	TO-220AB	N	12.0	600	15	0.01	1.60	1.0	2.0	**.88**	**.86**	**.80**
511-TYN612MFP	TYN612MFP	TO-220FPAB	I	12.0	600	5	0.005	1.60	1.0	-----	**.60**	**.59**	**.54**
511-TYN812	TYN812TRG	TO-220AB	N	12.0	800	15	0.010	1.60	1.0	2.0	**1.03**	**1.02**	**.94**
511-TXN1012	TXN1012RG	TO-220AB	I	12.0	1000	15	0.01	1.60	1.0	2.0	**1.49**	**1.47**	**1.35**
511-TYN416	TYN416RG	TO-220AB	N	16.0	400	25	0.01	1.60	1.0	2.0	**.99**	**.98**	**.90**
511-TYN616	TYN616RG	TO-220AB	N	16.0	600	25	0.01	1.60	1.0	2.0	**.90**	**.88**	**.81**
511-TYN825	TYN825RG	TO-220AB	N	25.0	800	40	0.01	1.60	1.0	2.0	**2.06**	**2.03**	**1.77**
511-TYN640	TYN640RG	TO-220AB	N	40.0	600	35	0.005	1.60	1.0	2.0	**1.39**	**1.37**	**1.26**
511-BTW69-200	BTW69-200RG	TO-3P	I	50.0	200	80	0.020	1.90	1.0	2.0	**4.04**	**3.98**	**3.47**

SENSITIVE GATE SCRs

(DC Gate Trigger Voltage @ 25°C Max.: 1.5V)

Package Type: I = Isolated Case N = Non-Isolated Case

For quantities of 250 and up, call for quote.

Surface Mount													
511-P0102BL	P0102BL 5AA4	SOT-23-3L	N	0.25	200	0.2	0.001	1.70	0.02	-----	**.39**	**.36**	**.33**
511-P0102DN	P0102DN 5AA4	SOT-223	N	0.8	400	0.2	0.001	1.95	0.1	0.1	**.33**	**.30**	**.28**
511-X0202MN	X0202MN 5BA4	SOT-223	N	1.4	600	0.2	0.005	1.50	0.2	0.5	**.41**	**.38**	**.34**
511-TS820-600B	TS820-600B	TO-252	N	8.0	600	0.2	0.005	1.60	0.2	0.5	**.82**	**.80**	**.74**
Thru Hole													
511-P0130AA	P0130AA 2AL3	TO-92	N	0.8	100	0.8	0.001	1.95	0.1	---	**.15**	**.14**	**.12**
511-P0102BA	P0102BA 1AA3	TO-92	N	0.8	200	0.2	0.001	1.93	0.1	0.5	**.23**	**.21**	**.19**
511-XL0840	XL0840	TO-92	N	0.8	400	0.2	0.001	1.95	0.1	---	**.11**	**.10**	**.09**
511-P0102DA	P0102DA 1AA3	TO-92	N	0.8	400	0.2	0.001	1.93	0.1	0.5	**.31**	**.28**	**.26**
511-P0102MA1AA3	P0102MA 1AA3	TO-92	N	0.8	600	0.2	0.001	1.93	0.1	0.5	**.15**	**.14**	**.12**
511-X00602MA2AL2	X00602MA 2AL2	TO-92	N	0.8	600	0.2	0.001	1.35	0.1	-----	**.17**	**.15**	**.14**
511-X0205MA	X0205MA 1BA2	TO-92	N	1.25	600	0.05	0.005	1.45	0.2	0.5	**.56**	**.55**	**.53**
511-X0202NA	X0202NA 1BA2	TO-92	N	1.25	800	0.2	0.005	1.45	0.2	---	**.37**	**.34**	**.31**
511-X0202MA	X0202MA 1BA2	TO-92	N	1.3	600	0.2	0.005	1.45	0.2	0.5	**.27**	**.25**	**.22**
511-X0403DF	X0403DF 1AA2	TO-202-3	N	4.0	400	0.2	0.005	1.80	0.2	2.0	**.49**	**.45**	**.41**
511-X0402MF0AA2	X0402MF 0AA2	TO-202-3	N	4.0	600	0.2	0.005	1.80	0.2	2.0	**.31**	**.28**	**.26**
511-TS820-600T	TS820-600T	TO-220AB	N	8.0	600	0.2	0.005	1.60	1.0	0.5	**.76**	**.75**	**.69**

TRIGGER DIODES

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	V (BO) (V)			V (BO) Semetry (V) Min.	Dynamic Breakover Voltage (V) Min.	I(BO) Max. (µA)	ITRM Max. (A)	Price Each		
			Min.	Typ.	Max.					1	10	100
Thru Hole												
511-DB3	DB3	DO-35	28	32.0	36	3	5	10.0	2.0	**.11**	**.10**	**.09**
511-DB4	DB4	DO-35	35	40.0	45	5	5	10.0	2.0	**.17**	**.15**	**.14**

TRANSFEED™ MULTILAYER CERAMIC TRANSIENT VOLTAGE SUPPRESSORS

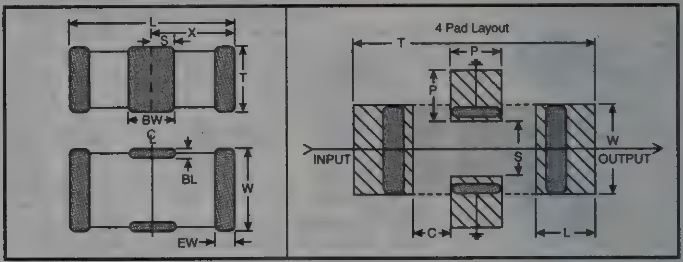
AVX has combined the best electrical characteristics of its TransGuard™ Transient Voltage Suppressors (TVS) and its Feedthru Capacitors into a single chip for state-of-the-art overvoltage circuit protection and EMI reduction over a broad range of frequencies. This unique combination of multilayer ceramic construction in a feedthru configuration gives the circuit designer a single 0805 chip that responds to transient events faster than any TVS device on the market today, and provides significant EMI attenuation when in the off-state.

Where designers are concerned with both transient voltage protection and EMI attenuation, either due to the electrical performance of their circuits or due to required compliance to specific EMC regulations, the TransFeed™ product is an ideal choice.

Applications:

- Fingerprint ID Circuit
- Magnetic Field Circuit
- LCD Dashboard Driver

LEAD-FREE



DIMENSIONS: mm (in.)									Recommended Solder Pad Layout					
Size	L	W	T	BW	BL	EW	X	S	T	P	S	W	L	C
0805	2.01 ± 0.20 (0.079 ± 0.008)	1.25 ± 0.20 (0.049 ± 0.008)	1.143 Max. (0.045 Max.)	0.46 ± 0.10 (0.018 ± 0.004)	0.18 ± 0.25 -0.08 (0.007 ± 0.010 -0.003)	0.25 ± 0.13 (0.010 ± 0.005)	1.02 ± 0.10 (0.040 ± 0.004)	0.23 ± 0.05 (0.009 ± 0.002)	3.45 (0.136)	0.51 (0.020)	0.76 (0.030)	1.27 (0.050)	1.02 (0.040)	0.46 (0.018)

For quantities of 1000 and up, call for quote.

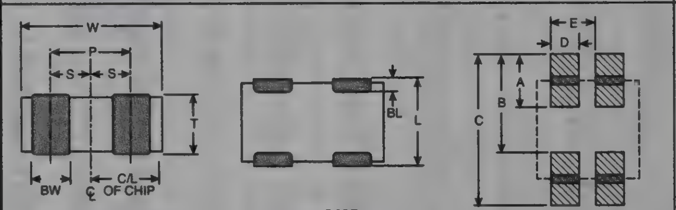
MOUSER STOCK NO.	AVX Part Number	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage (V@ImA$_{DC}$)	Clamping Voltage (V@I$_{VC}$)	Max. Leakage Current (μA)	Transient Energy Rating Joules (J)	Peak Current Rating (A)	Typical Cap (pF)	DC Resistance	Max. Feedthru Current	Price Each				Price Per Reel of 1000 (ea.)
												1	50	100	500	
581-V2F105A150Y2EDP	V2F105A150Y2EDP	5.6	4	8.5+20%	18	35	0.1	30	800	0.20	0.75	.46	.38	.33	.30	.27
581-V2F105C150Y1FDP	V2F105C150Y1FDP	5.6	4	8.5+20%	18	35	0.3	120	25000	0.15	1	.68	.57	.50	.46	.40
581-V2F109A200Y2EDP	V2F109A200Y2EDP	9	6.4	12.7+15%	22	25	0.1	30	575	0.20	0.75	.46	.38	.33	.30	.27
581-V2F109C200Y1FDP	V2F109C200Y1FDP	9	6.4	12.7+15%	22	25	0.3	120	1800	0.15	1	.68	.57	.50	.46	.40
581-V2F114A300Y2EDP	V2F114A300Y2EDP	14	10	18.5+12%	32	15	0.1	30	300	0.20	0.75	.46	.38	.33	.30	.27
581-V2F114C300Y1FDP	V2F114C300Y1FDP	14	10	18.5+12%	32	15	0.3	120	900	0.15	1	.68	.57	.50	.46	.40
581-V2F118A400Y2EDP	V2F118A400Y2EDP	18	13	25.5+10%	42	10	0.1	3	200	0.20	0.75	.46	.38	.33	.30	.27
581-V2F118C400Y1FDP	V2F118C400Y1FDP	18	13	25.5+10%	42	10	0.3	120	500	0.15	1	.68	.57	.50	.46	.40
581-V2F118X500Y3DDP	V2F118X500Y3DDP	18	13	25.5+10%	50	10	0.05	20	75	0.25	0.5	.46	.38	.33	.30	.27

MULTIGUARD™ MULTILAYER CERAMIC TRANSIENT VOLTAGE SUPPRESSION ARRAYS

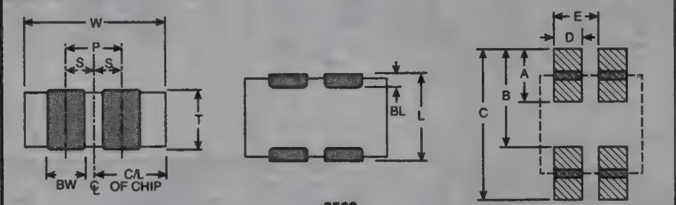
LEAD-FREE

AVX's Transient Voltage Suppression (TVS) Arrays address six trends in today's electronic circuits: (1) mandatory ESD protection, (2) mandatory EMI control, (3) signal integrity improvement, (4) PCB downsizing, (5) reduced component placement costs, and (6) protection from induced slow speed transient voltages and currents.

2 Element

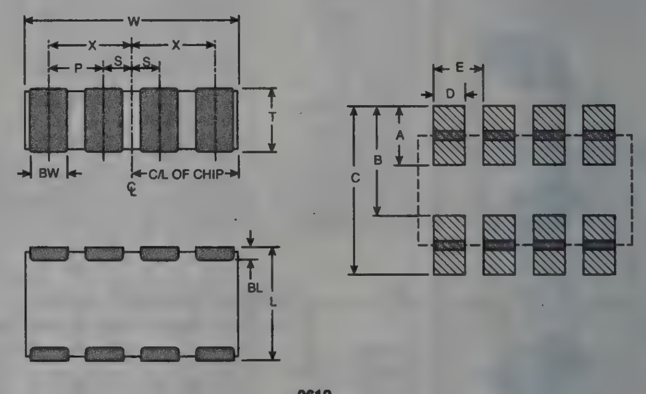


0405



0508

4 Element



0612

2 Element DIMENSIONS: mm (in.)								Pad Layout Dimensions				
Size	L	W	T	BW	BL	P	S	A	B	C	D	E
0405	1.00±0.15 (0.039±0.006)	1.37±0.15 (0.054±0.006)	0.66 MAX (0.026 MAX)	0.36±0.10 (0.014±0.004)	0.20±0.10 (0.008±0.004)	064 REF (0.025 REF)	0.32±0.10 (0.013±0.004)	0.46 (0.018)	0.74 (0.029)	1.20 (0.047)	0.38 (0.015)	0.64 (0.025)
0508	1.25±0.20 (0.049±0.008)	2.01±0.20 (0.079±0.008)	1.02 MAX (0.040 MAX)	0.41±0.1 (0.016±0.004)	$0.18^{+0.25}_{-0.08}$ ($0.007^{+.010}_{-.003}$)	0.76 REF (0.030 REF)	0.38±0.10 (0.015±0.004)	0.89 (0.035)	1.27 (0.050)	2.16 (0.085)	0.46 (0.018)	0.76 (0.030)

4 Element DIMENSIONS: mm (in.)								Pad Layout Dimensions				
Size	L	W	T	BW	BL	P	X	S	A	B	C	D	E
0612	1.60±0.20 (0.063±0.008)	3.20±0.20 (0.126±0.008)	1.22 MAX (0.048 MAX)	0.41±0.10 (0.016±0.004)	$0.18^{+0.25}_{-0.08}$ ($0.007^{+.010}_{-.003}$)	0.76 REF (0.030 REF)	1.14±0.10 (0.045±0.004)	0.38±0.10 (0.015±0.004)	0.89 (0.035)	1.65 (0.065)	2.54 (0.100)	0.46 (0.018)	0.76 (0.030)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage (V@ImA$_{DC}$)	Clamping Voltage (V@I$_{VC}$)	Max. Leakage Current (μA)	Transient Energy Rating (J, 10x1000μS)	Peak Current Rating (A)	Typical Cap (pF)	Number of Elements	Chip Size	Price Each				Price Per Reel of 1000 (ea.)
												1	50	100	500	
581-MG052S05A150DP	MG052S05A150DP	5.6	4	8.5+20%	18	35	0.1	30	825	2	0508	1.64	1.52	1.27	1.14	1.01
581-MG064S05A150DP	MG064S05A150DP	5.6	4	8.5+20%	18	35	0.1	30	825	4	0612	1.59	1.47	1.22	1.10	.98
581-MG052S09A200DP	MG052S09A200DP	9	6.4	12.7+15%	22	25	0.1	30	550	2	0508	1.21	1.11	.93	.83	.74
581-MG064L18X500DP	MG064L18X500DP	9	6.4	12.7+15%	22	25	0.1	30	550	4	0612	1.51	1.40	1.16	1.05	.93
581-MG052S14A300DP	MG052S14A300DP	14	10	19.5+12%	32	15	0.1	30	425	2	0508	1.21	1.11	.93	.83	.74
581-MG064S09A200DP	MG064S09A200DP	14	10	19.5+12%	32	15	0.1	30	425	4	0612	1.59	1.47	1.22	1.10	.98
581-MG042L18V500DP	MG042L18V500DP	18	14	N/A	50	10	0.2	15	40	2	0405	.66	.61	.51	.45	.40
581-MG052S18A400DP	MG052S18A400DP	18	14	25.5+10%	42	10	0.1	30	225	2	0508	1.10	1.01	.84	.76	.67
581-MG052L18X500DP	MG052L18X500DP	18	14	N/A	50	10	0.1	20	50	2	0508	.98	.91	.76	.68	.61
581-MG064S14A300DP	MG064S14A300DP	18	14	25.5+10%	42	10	0.05	15	120	4	0612	1.59	1.47	1.22	1.10	.98
581-MG064S18A400DP	MG064S18A400DP	18	14	N/A	50	10	0.1	20	75	4	0612	1.59	1.47	1.22	1.10	.98

AVX TransGuard™ Ceramic Transient Voltage Suppressors

The AVX TransGuard™ Transient Voltage Suppressors (TVS) with unique high-energy multilayer construction represents state-of-the-art overvoltage circuit protection. Monolithic multilayer construction provides protection from voltage transients caused by ESD, lightning, Nuclear Explosion Magnetic Pulse (NEMP), inductive switching, etc. True surface mount product is provided in EIA industry standard packages.

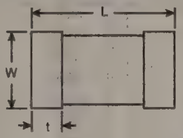
TransGuard products are zinc oxide (ZnO) based ceramic semiconductor devices with non-linear voltage-current characteristics (bi-directional) similar to back-to-back zener diodes.
They have the added advantage of greater current and energy handling capabilities as well as EMI/RFI attenuation. Devices are fabricated by ceramic sintering process that yields a structure of conductive ZnO grains surrounded by electrically insulating barriers, creating varistor-like behavior.

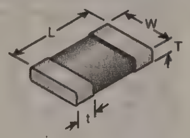
RoHS Compliant

Marking
All standard surface mount TransGuard chips are unmarked.

Features:

- Ni/Sn Alloy(Plated)
- Operation temp: -55°C to +125°C
- Meets IEC 1000 -4 specifications





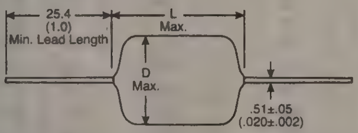
DIMENSIONS: mm (in.)

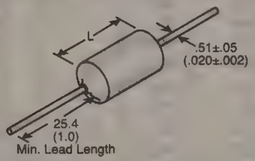
Size	L	W	T	t
0402	1.00±0.10 (0.040±0.004)	0.50±0.10 (0.020±0.004)	0.6 (0.024)	0.25±0.15 (0.010±0.006)
0603	1.60±0.15 (0.063±0.006)	0.80±0.15 (0.031±0.006)	0.9 (0.035)	0.35±0.15 (0.014±0.006)
0805	2.01±0.20 (0.079±0.008)	1.25±0.20 (0.049±0.008)	1.02 (0.04)	0.71 max. (0.028 max.)
1206	3.20±0.20 (0.126±0.008)	1.60±0.20 (0.063±0.008)	1.02 (0.04)	0.71 max. (0.028 max.)
1210	3.20±0.20 (0.126±0.008)	2.49±0.20 (0.098±0.008)	1.70 (0.067)	0.71 max. (0.028 max.)

Surface Mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Case Size	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage ($V@ImA_{DC}$)	Clamping Voltage ($V@I_{VC}$)	Test Current For Vc (A, 8x20μS)	Max. Leakage Current (mA)	Transient Energy Rating Joules (J)	Peak Current Rating (A)	Typical Cap (pF)	Freq.	Price Each			Qty per Reel	Price Per Reel (ea.)
													1	100	500		
581-VC040205X150WP	VC040205X150WP	0402	5.6	4	8.5±20%	18	1	35	0.05	20	175	M	.86	.72	.57	10000	.19
581-VC040209X200WP	VC040209X200WP	0402	9	6.4	12.7±15%	22	1	25	0.05	20	175	M	.86	.72	.57	10000	.19
581-VC040214X300WP	VC040214X300WP	0402	14	10	18.5±12%	32	1	15	0.05	20	100	M	.43	.36	.32	10000	.21
581-VC040218X400WP	VC040218X400WP	0402	18	13	25.5±10%	42	1	10	0.05	20	65	M	.43	.36	.32	10000	.21
581-VC060303A100DP	VC060303A100DP	0603	3.3	2.3	5.0±20%	12	1	100	0.1	30	1450	K	.28	.24	.23	1000	.22
581-VC060305A150DP	VC060305A150DP	0603	5.6	4	8.5±20%	18	1	35	0.01	30	750	K	.28	.24	.23	1000	.22
581-VC060309A200DP	VC060309A200DP	0603	9	6.4	12.7±15%	22	1	25	0.1	30	550	K	.28	.24	.23	1000	.22
581-VC060314A300DP	VC060314A300DP	0603	14	10	18.5±12%	32	1	15	0.1	30	350	K	.28	.24	.23	1000	.22
581-VC060318A400DP	VC060318A400DP	0603	18	13	25.5±10%	42	1	10	0.1	30	150	K	.28	.24	.23	1000	.22
581-VC060326A580DP	VC060326A580DP	0603	26	18	34.5±10%	60	1	10	0.1	30	155	K	.28	.24	.23	1000	.22
581-VC060330A650DP	VC060330A650DP	0603	30	21	41.0±10%	67	1	10	0.1	30	125	K	.28	.24	.23	1000	.22
581-VC080503A100DP	VC080503A100DP	0805	3.3	2.3	5.0±20%	12	1	100	0.1	40	1400	K	.29	.25	.24	1000	.23
581-VC080503C100DP	VC080503C100DP	0805	3.3	2.3	5.0±20%	12	1	100	0.3	120	5000	K	.43	.38	.36	1000	.34
581-VC080505A150DP	VC080505A150DP	0805	5.6	4	8.5±20%	18	1	35	0.1	40	1100	K	.29	.25	.24	1000	.23
581-VC080505C150DP	VC080505C150DP	0805	5.6	4	8.5±20%	18	1	35	0.3	120	3000	K	.43	.38	.36	1000	.34
581-VC080509A200DP	VC080509A200DP	0805	9	6.4	12.7±15%	22	1	25	0.1	40	750	K	.29	.25	.24	1000	.23
581-VC080512A250DP	VC080512A250DP	0805	12	8.5	16±15%	27	1	25	0.1	40	525	K	.29	.25	.24	1000	.23
581-VC080514A300DP	VC080514A300DP	0805	14	10	18.5±12%	32	1	15	0.1	40	325	K	.29	.25	.24	1000	.23
581-VC080514C300DP	VC080514C300DP	0805	14	10	18.5±12%	32	1	15	0.3	120	900	K	.43	.36	.32	10000	.21
581-VC080518A400DP	VC080518A400DP	0805	18	13	25.5±10%	42	1	10	0.1	30	225	K	.29	.25	.24	1000	.23
581-VC080518C400DP	VC080518C400DP	0805	18	13	25.5±10%	42	1	10	0.3	100	550	K	.43	.36	.32	10000	.21
581-VC080526A580DP	VC080526A580DP	0805	26	18	34.5±10%	60	1	10	0.1	30	120	K	.28	.24	.23	1000	.22
581-VC080526C580DP	VC080526C580DP	0805	26	18	34.5±10%	60	1	10	0.3	100	250	K	.43	.36	.32	10000	.12
581-VC080530A650DP	VC080530A650DP	0805	30	21	41.0±10%	67	1	10	0.1	30	90	M	.29	.24	.24	1000	.23
581-VC120603A100DP	VC120603A100DP	1206	3.3	2.3	5.0±20%	12	1	100	0.1	40	1250	K	.36	.32	.30	1000	.29
581-VC120603D100DP	VC120603D100DP	1206	3.3	2.3	5.0±20%	12	1	35	0.4	150	4700	K	.47	.42	.40	1000	.38
581-VC120605A150DP	VC120605A150DP	1206	5.6	4	8.5±20%	18	1	35	0.1	40	1200	K	.36	.32	.30	1000	.29
581-VC120605D150DP	VC120605D150DP	1206	5.6	4	8.5±20%	18	1	35	0.1	150	3000	K	.48	.42	.40	1000	.38
581-VC120614A300DP	VC120614A300DP	1206	14	10	18.5±12%	32	1	15	0.01	40	600	K	.36	.32	.30	1000	.29
581-VC120614D300DP	VC120614D300DP	1206	14	10	18.5±12%	32	1	15	0.4	150	1050	K	.47	.42	.40	1000	.38
581-VC120618A400DP	VC120618A400DP	1206	18	13	25.5±10%	42	1	10	0.1	30	350	K	.36	.32	.30	1000	.29
581-VC120618D400DP	VC120618D400DP	1206	18	13	25.5±10%	42	1	10	0.4	150	900	K	.47	.42	.40	1000	.38
581-VC120626D580DP	VC120626D580DP	1206	26	18	34.5±10%	60	1	10	0.4	120	500	K	.47	.42	.40	1000	.38
581-VC120630D650DP	VC120630D650DP	1206	30	21	41.0±10%	67	1	10	0.4	120	400	K	.47	.42	.40	1000	.38
581-VC120648D101DP	VC120648D101DP	1206	48	34	62.0±10%	100	1	10	0.4	100	225	K	.52	.46	.44	1000	.41
581-VC13MA0160KBA	VC13MA0160KBA	1210	16	14	24.5±10%	40	2.5	25	1.6	400	1800	K	.71	.59	.53	1000	.42
581-VC121018J390DP	VC121018J390DP	1210	18	13	25.5±10%	42	5	10	1.5	500	3100	K	.72	.63	.59	1000	.57
581-VJ13MC0180KBA	VJ13MC0180KBA	1210	18	13	24.0±10%	45	10	25	1.5	500	3000	K	.72	.63	.59	1000	.57
581-VC121026H560DP	VC121026H560DP	1210	26	18	34.5±10%	60	5	10	1.2	300	2150	K	.72	.36	.59	1000	.57
581-VJ13MC0260KBA	VJ13MC0260KBA	1210	26	18	33.0±10%	62	10	25	1.2	300	1120	K	.72	.36	.59	1000	.57
581-VC121030G620DP	VC121030G620DP	1210	30	21	41.0±10%	67	5	10	0.9	220	1750	K	.69	.63	.55	1000	.48
581-VC121030H620DP	VC121030H620DP	1210	30	21	41.0±10%	67	5	10	1.2	280	1850	K	.99	.83	.75	1000	.66
581-VJ13MC0300KBA	VJ13MC0300KBA	1210	30	21	39.0±10%	73	10	25	0.9	220	1020	K	.79	.66	.59	1000	.55
581-VJ13PC0300KBA	VJ13PC0300KBA	1210	30	21	39.0±10%	73	10	25	1.2	280	1150	K	.79	.66	.59	1000	.55
581-VC121048G101DP	VC121048G101DP	1210	48	34	62.0±10%	100	5	10	0.9	220	450	K	.69	.63	.55	1000	.48
581-VC121048H101DP	VC121048H101DP	1210	48	34	62.0±10%	100	5	10	1.2	250	500	K	.69	.63	.55	1000	.48
581-VJ13MC0480KBA	VJ13MC0480KBA	1210	48	34	60.5±10%	110	10	25	0.9	220	800	K	.79	.66	.59	1000	.55
581-VJ13PC0480KBA	VJ13PC0480KBA	1210	48	34	60.5±10%	110	10	25	1.2	250	840	K	.79	.66	.59	1000	.55
581-VC121060J121DP	VC121060J121DP	1210	60	42	76.0±10%	120	5	10	1.5	250	400	K	.79	.66	.59	1000	.55
581-VJ13MC0600KBA	VJ13MC0600KBA	1210	60	42	76.0±10%	126	10	25	1.5	250	600	K	.79	.66	.59	1000	.55





DIMENSIONS: mm (in.)

Size	L	D
1000	4.32 (0.170)	2.54 (0.100)
2000	4.83 (0.190)	3.56 (0.140)

Axial

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Working Voltage (DC)	Working Voltage (AC)	Breakdown Voltage ($V@ImA_{DC}$)	Clamping Voltage ($V@I_{VC}$)	Test Current For Vc (A, 8x20μS)	Max. Leakage Current (μA)	Transient Energy Rating Joules (J)	Peak Current Rating (A,8x20μS)	Typical Cap (pF)	Freq.	Price Each			
												1	100	500	1000
581-VA100003A100DL	VA100003A100DL	3.3	2.3	5.0±20%	12	1	100	0.1	40	1500	K	.49	.41	.37	.30
581-VA100003D100DL	VA100003D100DL	3.3	2.3	5.0±20%	12	1	100	0.4	150	4700	K	.64	.53	.48	.38
581-VA100005A150DL	VA100005A150DL	5.6	4.0	8.5±20%	18	1	35	0.1	40	1000	K	.49	.41	.37	.30
581-VA100005D150DL	VA100005D150DL	5.6	4.0	8.5±20%	18	1	35	0.4	150	2800	K	.64	.53	.48	.38
581-VA100014A300DL	VA100014A300DL	14.0	10.0	18.5±12%	32	1	15	0.1	40	325	K	.49	.41	.37	.30
581-VA100014D300DL	VA100014D300DL	14.0	10.0	18.5±12%	32	1	15	0.4	150	1100	K	.64	.53	.48	.38
581-VA100018A400DL	VA100018A400DL	18.0	13.0	25.5±10%	42	1	10	0.1	40	350	K	.49	.41	.37	.30
581-VA100018D400DL	VA100018D400DL	18.0	13.0	25.5±10%	42	1	10	0.4	150	900	K	.64	.53	.48	.38
581-VA100026D580DL	VA100026D580DL	26.0	18.0	34.5±10%	60	1	10	0.4	120	650	K	.64	.53	.48	.38
581-VA100030D650DL	VA100030D650DL	30.0	21.0	41.0±10%	67	1	10	0.4	120	550	K	.49	.41	.37	.30
581-VA100048D101DL	VA100048D101DL	48.0	34.0	62.0±10%	100	1	10	0.4	100	200	K	.64	.53	.48	.38
581-VA200060K121DL	VA200060K121DL	60.0	42.0	76.0±10%	120	1	10	2.0	300	400	K	1.01	.84	.76	.61

FAIRCHILD TVS

**Products may be RoHS compliant.
Check mouser.com for RoHS status.**

FAIRCHILD SEMICONDUCTOR

◆ Surface Mount Device

TRANSIENT VOLTAGE SUPPRESSORS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fairchild Part No.	Package	Vrwm (V)	Vbr Breakdown Min (V)	Vbr Breakdown Max (V)	Test Condition It (mA)	Vc Max Clamping Voltage at Ippm (V)	Ipp Max Peak Pulse Surge Current (A)	Ir Max Reverse Leakage at Vrwm (μA)	Pppm (W)	Price Each			
											1	25	100	250
Bidirectional														
512-SA5V0CA	SA5V0CA	DO-15	5	6.4	7	10	9.2	54.3	1200	500	.37	.35	.25	.21
◆512-SMBJ5V0CA	SMBJ5V0CA	SMB	5	6.4	7	10	9.2	65.2	1600	600	.32	.30	.21	.18
◆512-SMCJ5V0CA	SMCJ5V0CA	SMC	5	6.4	7	10	9.2	163	2000	1500	.70	.65	.46	.39
512-SA6V0CA	SA6V0CA	DO-15	6	6.67	7.37	10	10.3	48.5	1200	500	.37	.35	.25	.21
◆512-SMCJ6V0CA	SMCJ6V0CA	SMC	6	6.67	7.37	10	10.3	145.6	2000	1500	.71	.67	.48	.40
◆512-SMBJ11CA	SMBJ11CA	SMB	11	12.2	13.5	1	18.2	33	5	600	.31	.29	.21	.17
◆512-SMBJ12CA	SMBJ12CA	SMB	12	13.3	14.7	1	19.9	30.2	5	600	.30	.28	.20	.17
◆512-SMBJ20CA	SMBJ20CA	SMB	20	22.2	24.5	1	32.4	18.5	5	600	.31	.29	.20	.17
512-1V5KE27CA	1V5KE27CA	DO-201AE	23.1	25.7	28.4	1	37.5	40	5	1500	.71	.59	.42	.36
◆512-SMBJ24CA	SMBJ24CA	SMB	24	26.7	29.5	1	38.9	15.4	5	600	.31	.29	.20	.17
512-1V5KE30CA	1V5KE30CA	DO-201AE	25.6	28.5	31.5	1	41.4	36.2	5	1500	.71	.59	.42	.36
◆512-SMCJ28CA	SMCJ28CA	SMC	28	31.1	34.4	1	45.4	33	5	1500	.55	.52	.37	.31
512-SA33CA	SA33CA	DO-15	33	36.7	40.6	1	53.3	9.4	1	500	.37	.35	.25	.21
512-1V5KE39CA	1V5KE39CA	DO-201AE	33.3	37.1	41	1	53.9	28	5	1500	.71	.59	.42	.36
◆512-SMCJ45CA	SMCJ45CA	SMC	45	50	55.3	1	72.7	20.6	5	1500	.55	.52	.37	.31
512-P6KE62CA	P6KE62CA	DO-15	53	58.9	65.1	1	85	7.1	5	600	.36	.31	.25	.21
◆512-SMBJ54CA	SMBJ54CA	SMB	54	60	66.3	1	87.1	6.9	5	600	.31	.29	.20	.17
◆512-SMBJ58CA	SMBJ58CA	SMB	58	64.4	71.2	1	93.6	6.4	5	600	.31	.29	.20	.17
◆512-SMBJ130CA	SMBJ130CA	SMB	130	144	159	1	209	2.9	5	600	.31	.29	.20	.17
512-SA170CA	SA170CA	DO-15	170	189	209	1	275	1.8	1	500	.37	.35	.25	.21
512-1V5KE220CA	1V5KE220CA	DO-201AE	185	209	231	1	328	4.6	5	1500	.71	.59	.42	.36
512-P6KE300CA	P6KE300CA	DO-15	256	285	315	1	414	1.5	5	600	.45	.39	.32	.27
512-P6KE350CA	P6KE350CA	DO-15	300	332	368	1	482	1.3	5	600	.47	.40	.33	.28
512-1V5KE350CA	1V5KE350CA	DO-201AE	300	333	368	1	482	3.2	5	1500	1.01	.84	.60	.51
512-1V5KE440CA	1V5KE440CA	DO-201AE	376	418	462	1	602	2.6	5	1500	1.01	.84	.60	.51
Unidirectional														
◆512-SMBJ5V0A	SMBJ5V0A	SMB	5	6.4	7	10	9.2	65.2	800	600	.25	.23	.17	.14
◆512-SMBJ6V0A	SMBJ6V0A	SMB	6	6.67	7.37	10	10.3	58.3	800	600	.26	.24	.17	.14
◆512-SMCJ6V5A	SMCJ6V5A	SMC	6.5	7.22	7.98	10	11.2	133.9	500	1500	.53	.49	.35	.30
◆512-SMBJ10A	SMBJ10A	SMB	10	11.1	12.8	1	17	35.3	5	600	.26	.24	.17	.14
◆512-SMBJ11A	SMBJ11A	SMB	11	12.2	13.5	1	18.2	33	5	600	.25	.23	.16	.14
◆512-SMBJ12A	SMBJ12A	SMB	12	13.3	14.7	1	19.9	30.2	5	600	.25	.23	.16	.14
◆512-SMCJ12A	SMCJ12A	SMC	12	13.3	14.7	1	19.9	75.3	5	1500	.47	.44	.31	.26
◆512-SMBJ14A	SMBJ14A	SMB	14	15.6	17.2	1	23.2	25.9	5	600	.25	.23	.16	.14
◆512-SMBJ15A	SMBJ15A	SMB	15	16.7	18.5	1	24.4	24.6	5	600	.25	.23	.16	.14
◆512-SMBJ16A	SMBJ16A	SMB	16	17.8	19.7	1	26	23.1	5	600	.25	.23	.16	.14
◆512-SMBJ17A	SMBJ17A	SMB	17	18.9	20.9	1	27.6	21.7	5	600	.25	.23	.16	.14
◆512-SMBJ18A	SMBJ18A	SMB	18	20	22.1	1	29.2	20.5	5	600	.25	.23	.16	.14
◆512-SMCJ18A	SMCJ18A	SMC	18	20	22.1	1	29.2	51.4	5	1500	.47	.44	.31	.26
512-P6KE22A	P6KE22A	DO-15	18.8	20.9	23.1	1	30.6	20	5	600	.29	.25	.21	.17
◆512-SMBJ20A	SMBJ20A	SMB	20	22.2	24.5	1	32.4	18.5	5	600	.25	.23	.16	.14
512-P6KE24A	P6KE24A	DO-15	20.5	22.8	25.2	1	33.2	18.1	5	600	.29	.25	.21	.17
◆512-SMCJ22A	SMCJ22A	SMC	22	24.4	26.9	1	35.5	42.3	5	1500	.47	.44	.31	.26
◆512-SMCJ24A	SMCJ24A	SMC	24	26.7	29.5	1	38.9	38.6	5	1500	.47	.44	.31	.26
◆512-SMBJ26A	SMBJ26A	SMB	26	28.9	31.9	1	42.1	14.3	5	600	.25	.23	.16	.14
◆512-SMBJ28A	SMBJ28A	SMB	28	31.1	34.4	1	45.4	13.2	5	600	.26	.24	.17	.14
512-1V5KE33A	1V5KE33A	DO-201AE	28.2	31.4	34.7	1	45.7	33	5	1500	.65	.54	.39	.32
512-P6KE33A	P6KE33A	DO-15	28.2	31.4	34.7	1	45.7	13.2	5	600	.29	.25	.21	.17
◆512-SMBJ33A	SMBJ33A	SMB	33	36.7	40.6	1	53.3	11.3	5	600	.25	.23	.16	.14
◆512-SMBJ36A	SMBJ36A	SMB	36	40	44.2	1	58.1	10.3	5	600	.26	.24	.17	.14
◆512-SMCJ36A	SMCJ36A	SMC	36	40	44.2	1	58.1	25.8	5	1500	.56	.52	.37	.31
512-SA40A	SA40A	DO-15	40	44.4	49.1	1	64.5	7.8	1	500	.23	.21	.15	.13
◆512-SMBJ40A	SMBJ40A	SMB	40	44.4	49.1	1	64.5	9.3	5	600	.25	.23	.16	.14
◆512-SMBJ51A	SMBJ51A	SMB	51	56.7	62.7	1	82.4	7.3	5	600	.25	.23	.16	.14
512-P6KE62A	P6KE62A	DO-15	53	58.9	65.1	1	85	7.1	5	600	.29	.25	.21	.17
◆512-SMBJ54A	SMBJ54A	SMB	54	60	66.3	1	87.1	6.9	5	600	.25	.23	.16	.14
◆512-SMCJ58A	SMCJ58A	SMC	58	64.4	71.2	1	93.6	16	5	1500	.47	.44	.31	.26
◆512-SMBJ60A	SMBJ60A	SMB	60	66.7	73.7	1	96.8	6.2	5	600	.25	.23	.16	.14
◆512-SMCJ60A	SMCJ60A	SMC	60	66.7	73.7	1	96.8	15.5	5	1500	.47	.44	.31	.26
◆512-SMBJ70A	SMBJ70A	SMB	70	77.8	86	1	113	5.3	5	600	.25	.23	.16	.14
◆512-SMBJ75A	SMBJ75A	SMB	75	83.3	92.1	1	121	5	5	600	.25	.23	.16	.14
◆512-SMBJ85A	SMBJ85A	SMB	85	94.4	104	1	137	4.4	5	600	.25	.23	.16	.14
◆512-SMBJ100A	SMBJ100A	SMB	100	111	123	1	162	3.7	5	600	.25	.23	.16	.14
512-1V5KE150A	1V5KE150A	DO-201AE	128	143	158	1	207	7.2	5	1500	.65	.54	.39	.32
512-P6KE170A	P6KE170A	DO-15	145	162	179	1	234	2.6	5	600	.29	.25	.21	.17
512-SA150A	SA150A	DO-15	150	167	185	1	243	2.1	1	500	.23	.21	.15	.13
◆512-SMBJ150A	SMBJ150A	SMB	150	167	185	1	243	2.5	5	600	.25	.23	.16	.14
512-P6KE180A	P6KE180A	DO-15	154	171	189	1	246	2.4	5	600	.29	.25	.21	.17
◆512-SMCJ170A	SMCJ170A	SMC	170	189	209	1	275	5.5	5	1500	.47	.44	.31	.26
512-P6KE200A	P6KE200A	DO-15	171	190	210	1	274	2.2	5	600	.29	.25	.21	.17
512-P6KE250A	P6KE250A	DO-15	214	237	263	1	344	1.8	5	600	.29	.25	.21	.17
512-1V5KE400A	1V5KE400A	DO-201AE	342	380	420	1	548	2.8	5	1500	.89	.74	.53	.45
512-P6KE440A	P6KE440A	DO-15	376	418	462	1	602	1	5	600	.37	.32	.26	.22

LITTELFUSE TVS (Silicon Avalanche) Diodes

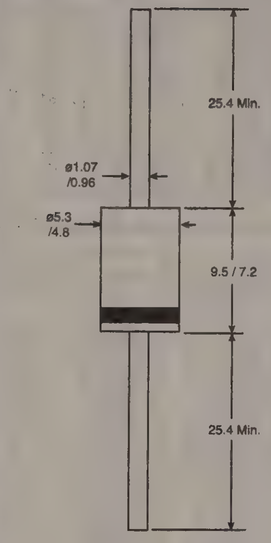
RoHS Compliant **This page of product is compliant.**

LITTELFUSE 1.5KE SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT Min.	Max.	(mA)	Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temp. (°C)	Price Each 1	10	100	250
576-1.5KE9.1	1.5KE9.1	7.37	8.19	10	1	50	13.8	109	0.068	.42	.36	.29	.28
576-1.5KE10	1.5KE10	8.1	9	11	1	10	15	100	0.073	.42	.36	.29	.28
576-1.5KE11	1.5KE11	8.92	9.9	12.1	1	5	16.2	93	0.075	.42	.36	.29	.28
576-1.5KE12	1.5KE12	9.72	10.8	13.2	1	5	17.3	87	0.078	.42	.36	.29	.28
576-1.5KE13	1.5KE13	10.5	11.7	14.3	1	5	19	79	0.081	.42	.36	.29	.28
576-1.5KE15	1.5KE15	12.1	13.5	16.5	1	5	22	68	0.084	.42	.36	.29	.28
576-1.5KE15C	1.5KE15C	12.1	13.5	16.5	1	5	22	68	0.084	.35	.34	.32	.31
576-1.5KE16	1.5KE16	12.9	14.4	17.6	1	5	23.5	64	0.086	.42	.36	.29	.28
576-1.5KE18	1.5KE18	14.5	16.2	19.8	1	5	26.5	56.5	0.088	.42	.36	.29	.28
576-1.5KE22	1.5KE22	17.8	19.8	24.2	1	5	31.9	47	0.092	.42	.36	.29	.28
576-1.5KE24	1.5KE24	19.4	21.6	26.4	1	5	34.7	43	0.094	.42	.36	.29	.28
576-1.5KE27	1.5KE27	21.8	24.3	29.7	1	5	39.1	38.5	0.096	.42	.36	.29	.28
576-1.5KE30	1.5KE30	24.3	27	33	1	5	43.5	34.5	0.097	.42	.36	.29	.28
576-1.5KE33	1.5KE33	26.8	29.7	36.3	1	5	47.7	31.5	0.098	.42	.36	.29	.28
576-1.5KE36	1.5KE36	29.1	32.4	39.6	1	5	52	29	0.099	.42	.36	.29	.28
576-1.5KE39	1.5KE39	31.6	35.1	42.9	1	5	56.4	26.5	0.1	.42	.36	.29	.28
576-1.5KE43	1.5KE43	34.8	38.7	47.3	1	5	61.9	24	0.101	.42	.36	.29	.28
576-1.5KE47	1.5KE47	38.1	42.3	51.7	1	5	67.8	22.2	0.101	.42	.36	.29	.28
576-1.5KE51	1.5KE51	41.3	45.9	56.1	1	5	73.5	20.4	0.102	.42	.36	.29	.28
576-1.5KE56	1.5KE56	45.4	50.4	61.6	1	5	80.5	18.6	0.103	.42	.36	.29	.28
576-1.5KE62	1.5KE62	50.2	55.8	68.2	1	5	89	16.9	0.104	.42	.36	.29	.28
576-1.5KE68	1.5KE68	55.1	61.2	74.8	1	5	98	15.3	0.104	.42	.36	.29	.28
576-1.5KE75	1.5KE75	60.7	67.5	82.5	1	5	108	13.9	0.105	.42	.36	.29	.28
576-1.5KE82	1.5KE82	66.4	73.8	90.2	1	5	118	12.7	0.105	.42	.36	.29	.28
576-1.5KE91	1.5KE91	73.7	81.9	100	1	5	131	11.4	0.106	.42	.36	.29	.28
576-1.5KE100	1.5KE100	81	90	110	1	5	144	10.4	0.106	.42	.36	.29	.28
576-1.5KE130C	1.5KE130C	105	117	143	1	5	187	8	0.107	.35	.34	.32	.31
576-1.5KE150	1.5KE150	121	135	165	1	5	215	7	0.108	.42	.36	.29	.28
576-1.5KE170	1.5KE170	138	153	187	1	5	244	6.2	0.108	.42	.36	.29	.28
576-1.5KE180	1.5KE180	146	162	198	1	5	258	5.8	0.108	.42	.36	.29	.28
576-1.5KE200	1.5KE200	162	180	220	1	5	287	5.2	0.108	.42	.36	.29	.28
576-1.5KE220	1.5KE220	175	198	242	1	5	344	4.3	0.108	.45	.43	.41	.39
576-1.5KE250	1.5KE250	202	225	275	1	5	360	5	0.11	.45	.43	.41	.39
576-1.5KE300	1.5KE300	243	270	330	1	5	430	3.5	0.11	.45	.43	.41	.39
576-1.5KE350	1.5KE350	284	315	385	1	5	504	3	0.11	.45	.43	.41	.39
576-1.5KE440A	1.5KE440A	376	418	462	1	5	602	2.5	0.11	.46	.44	.42	.40

RoHS Compliant



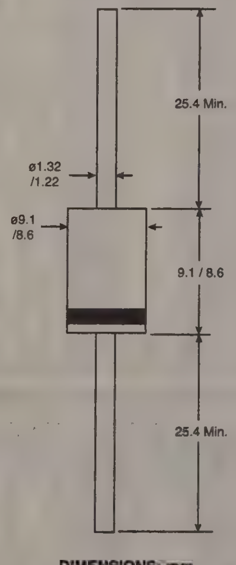
DIMENSIONS: mm

LITTELFUSE 5KP SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT Min.	Max.	(mA)	Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temp. (°C)	Price Each 1	10	100	250
576-5KP6.0	5KP6.0	6	6.67	8.15	50	5000	11.4	439	4	1.77	1.69	1.61	1.53
576-5KP6.5	5KP6.5	6.5	7.22	8.82	50	2000	12.3	407	4	1.77	1.69	1.61	1.53
576-5KP7.0	5KP7.0	7	7.78	9.51	50	1000	13.3	378	5	1.77	1.69	1.61	1.53
576-5KP7.5	5KP7.5	7.5	8.33	10.2	5	250	14.3	350	6	1.77	1.69	1.61	1.53
576-5KP8.0	5KP8.0	8	8.89	10.9	5	150	15	333	6	1.77	1.69	1.61	1.53
576-5KP8.5	5KP8.5	8.5	9.44	11.5	5	50	15.9	314	7	1.77	1.69	1.61	1.53
576-5KP9.0	5KP9.0	9	10	12.2	5	20	16.9	295	8	1.77	1.69	1.61	1.53
576-5KP10	5KP10	10	11.1	13.6	5	15	18.8	266	9	1.77	1.69	1.61	1.53
576-5KP11	5KP11	11	12.2	14.9	5	10	20.1	249	10	1.77	1.69	1.61	1.53
576-5KP12	5KP12	12	13.3	16.3	5	10	22	227	11	1.77	1.69	1.61	1.53
576-5KP13	5KP13	13	14.4	17.6	5	10	23.8	210	12	1.77	1.69	1.61	1.53
576-5KP14	5KP14	14	15.6	19.1	5	10	25.8	194	13	1.77	1.69	1.61	1.53
576-5KP15	5KP15	15	16.7	20.4	5	10	26.9	188	15	1.77	1.69	1.61	1.53
576-5KP16	5KP16	16	17.8	21.8	5	10	28.8	176	18	1.77	1.69	1.61	1.53
576-5KP17	5KP17	17	18.9	23.1	5	10	30.5	164	19	1.77	1.69	1.61	1.53
576-5KP18	5KP18	18	20	24.4	5	10	32.2	155	20	1.77	1.69	1.61	1.53
576-5KP20	5KP20	20	22.2	27.1	5	10	35.8	139	24	1.77	1.69	1.61	1.53
576-5KP22	5KP22	22	24.4	29.8	5	10	39.4	127	27	1.77	1.69	1.61	1.53
576-5KP26	5KP26	26	28.9	35.3	5	10	46.6	107	33	1.77	1.69	1.61	1.53
576-5KP28	5KP28	28	31.1	39	5	10	50.1	99	34	1.77	1.69	1.61	1.53
576-5KP33	5KP33	33	36.7	44.9	5	10	59	85	41	1.77	1.69	1.61	1.53
576-5KP36	5KP36	36	40	48.9	5	10	64.3	78	45	1.77	1.69	1.61	1.53
576-5KP40	5KP40	40	44.4	54.3	5	10	71.4	70	50	1.77	1.69	1.61	1.53
576-5KP43	5KP43	43	47.8	58.4	5	10	76.7	65	54	1.77	1.69	1.61	1.53
576-5KP45	5KP45	45	50	61.1	5	10	80.3	62	57	1.77	1.69	1.61	1.53
576-5KP48	5KP48	48	53.3	65.2	5	10	85.5	58	62	1.77	1.69	1.61	1.53
576-5KP51	5KP51	51	56.7	69.3	5	10	91.1	55	65	1.77	1.69	1.61	1.53
576-5KP54	5KP54	54	60	73.3	5	10	96.3	52	70	1.77	1.69	1.61	1.53
576-5KP58	5KP58	58	64.4	78.7	5	10	103	49	77	1.77	1.69	1.61	1.53
576-5KP60	5KP60	60	66.7	81.5	5	10	107	47	79	1.77	1.69	1.61	1.53
576-5KP64	5KP64	64	71	86.9	5	10	114	44	85	1.77	1.69	1.61	1.53
576-5KP70	5KP70	70	77	95.1	5	10	125	40	93	1.77	1.69	1.61	1.53
576-5KP78	5KP78	78	86.7	106	5	10	139	36	104	1.77	1.69	1.61	1.53
576-5KP85	5KP85	85	94.4	115	5	10	151	33	113	1.77	1.69	1.61	1.53
576-5KP90	5KP90	90	100	122	5	10	160	31	120	1.77	1.69	1.61	1.53
576-5KP100	5KP100	100	111	136	5	10	179	28	134	1.77	1.69	1.61	1.53
576-5KP110A	5KP110A	110	122	149	5	10	196	26	147	1.83	1.75	1.66	1.58
576-5KP120	5KP120	120	133	1603	5	10	215	23	158	1.77	1.69	1.61	1.53

RoHS Compliant



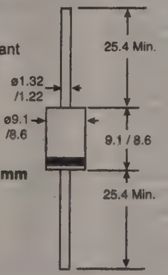
DIMENSIONS: mm

LITTELFUSE 15KP SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT Min.	(mA)	Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temp. (°C)	Price Each 1	10	100	250
576-15KP17	15KP17	17	18.9	50	5000	32.2	464	19	12.03	11.48	10.93	10.39
576-15KP18	15KP18	18	20	50	5000	34.2	439	20	12.03	11.48	10.93	10.39
576-15KP20	15KP20	20	22.2	20	1500	37.9	396	24	12.03	11.48	10.93	10.39
576-15KP22	15KP22	22	24.4	10	500	41.1	365	27	12.03	11.48	10.93	10.39
576-15KP24	15KP24	24	26.7	5	150	45	333	30	12.03	11.48	10.93	10.39
576-15KP28	15KP28	28	31.1	5	25	52.4	286	35	12.03	11.48	10.93	10.39
576-15KP30	15KP30	30	33.3	5	15	56.2	267	27	12.03	11.48	10.93	10.39
576-15KP33	15KP33	33	36.7	5	10	60.6	248	42	12.03	11.48	10.93	10.39
576-15KP36	15KP36	36	40	5	10	66	227	46	12.03	11.48	10.93	10.39
576-15KP43	15KP43	43	47.8	5	10	77.1	195	55	12.03	11.48	10.93	10.39
576-15KP45	15KP45	45	50	5	10	80.7	186	57	12.03	11.48	10.93	10.39
576-15KP48	15KP48	48	53.3	5	10	85.9	175	62	12.03	11.48	10.93	10.39

RoHS Compliant



DIMENSIONS: mm

LITTELFUSE TVS (Silicon Avalanche) Diodes

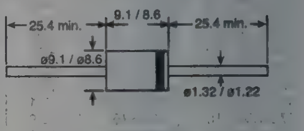
RoHS Compliant This page of product is compliant.

LITTELFUSE 15KP SERIES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT		Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	(mA)					1	10	100	250
576-15KP51	15KP51	51	56.7	5	10	91.5	164	66	12.03	11.48	10.93	10.39
576-15KP54	15KP54	54	60	5	10	96.8	155	70	12.03	11.48	10.93	10.39
576-15KP58	15KP58	58	64.4	5	10	104	144	76	12.03	11.48	10.93	10.39
576-15KP60	15KP60	60	66.7	5	10	107	140	78	12.03	11.48	10.93	10.39
576-15KP64	15KP64	64	71.1	5	10	115	130	84	12.03	11.48	10.93	10.39
576-15KP70	15KP70	70	77.8	5	10	126	119	92	12.03	11.48	10.93	10.39
576-15KP78	15KP78	78	86.7	5	10	140	107	104	12.03	11.48	10.93	10.39
576-15KP85	15KP85	85	94.4	5	10	152	99	113	12.03	11.48	10.93	10.39
576-15KP100	15KP100	100	111	5	10	179	84	134	12.03	11.48	10.93	10.39
576-15KP180	15KP180	180	200	5	10	321	47	242	12.03	11.48	10.93	10.39

RoHS Compliant

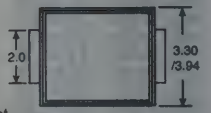


DIMENSIONS: mm

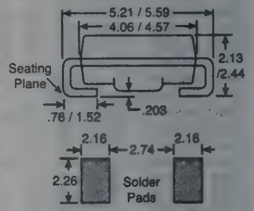
LITTELFUSE 1KSMBJ SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Device Code	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Price Each			
				Min.	Max.	(mA)				1	10	100	250
576-1KSMBJ15	1KSMBJ15	N10Q	12.1	13.5	16.5	1	5	22	45	.42	.36	.32	.30
576-1KSMBJ16	1KSMBJ16	N10S	12.9	14.4	17.6	1	5	23.5	43.3	.42	.36	.32	.30
576-1KSMBJ16A	1KSMBJ16A	N10T	13.6	15.2	16.8	1	5	22.5	45	.42	.36	.33	.31
576-1KSMBJ18	1KSMBJ18	N10U	14.5	16.2	19.8	1	5	26.5	38	.42	.36	.32	.30
576-1KSMBJ22	1KSMBJ22	N10Y	17.8	19.8	24.2	1	5	31.9	31.7	.34	.31	.28	.26
576-1KSMBJ24	1KSMBJ24	O10A	19.4	21.6	26.4	1	5	34.7	28.3	.42	.36	.32	.30
576-1KSMBJ27	1KSMBJ27	O10C	21.8	24.3	29.7	1	5	39.1	25.5	.42	.36	.32	.30
576-1KSMBJ30	1KSMBJ30	O10E	24.3	27	33	1	5	43.5	22.9	.42	.36	.32	.30
576-1KSMBJ33	1KSMBJ33	O10G	26.8	29.7	36.3	1	5	47.7	21	.30	.27	.25	.23
576-1KSMBJ36	1KSMBJ36	O10I	29.1	32.4	39.6	1	5	52	19.2	.42	.36	.32	.30
576-1KSMBJ47	1KSMBJ47	O10O	38.1	42.3	51.7	1	5	67.8	14.8	.42	.36	.32	.30
576-1KSMBJ51	1KSMBJ51	O10Q	41.3	45.9	56.1	1	5	73.5	13.7	.42	.36	.32	.30
576-1KSMBJ56	1KSMBJ56	O10S	45.4	50.4	61.6	1	5	80.5	12.3	.42	.36	.32	.30
576-1KSMBJ62	1KSMBJ62	O10U	50.2	55.8	68.2	1	5	89	11.3	.42	.36	.32	.30
576-1KSMBJ68	1KSMBJ68	O10W	55.1	61.2	74.8	1	5	98	10.2	.42	.36	.32	.30
576-1KSMBJ160A	1KSMBJ160A	P10P	136	152	168	1	5	219	4.6	.42	.36	.33	.31



RoHS Compliant



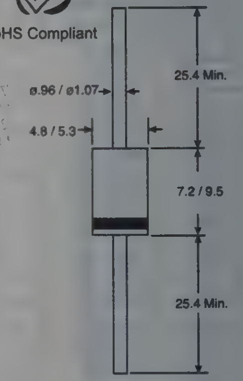
DIMENSIONS: mm

LITTELFUSE LCE SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Capacitance @ 0 Volts (pF)	Price Each			
			Min.	Max.	(mA)					1	10	100	250
576-LCE6.5A	LCE6.5A	6.5	7.22	7.98	10	1000	11.2	100	100	.40	.36	.33	.30
576-LCE7.0A	LCE7.0A	7	7.78	8.6	10	500	12	100	100	1.31	1.25	1.20	1.14
576-LCE7.5A	LCE7.5A	7.5	8.33	9.21	10	250	12.9	100	100	1.31	1.25	1.20	1.14
576-LCE8.0A	LCE8.0A	8	8.89	9.83	1	100	13.6	100	100	1.31	1.25	1.20	1.14
576-LCE8.5A	LCE8.5A	8.5	9.44	10.4	1	50	14.4	100	100	1.31	1.25	1.20	1.14
576-LCE9.0A	LCE9.0A	9	10	11.1	1	10	15.4	97	100	1.31	1.25	1.20	1.14
576-LCE10A	LCE10A	10	11.1	12.3	1	5	17	88	100	1.31	1.25	1.20	1.14
576-LCE11A	LCE11A	11	12.2	13.5	1	5	18.2	82	100	1.31	1.25	1.20	1.14
576-LCE12A	LCE12A	12	13.3	14.7	1	5	19.9	75	100	1.31	1.25	1.20	1.14
576-LCE13A	LCE13A	13	14.4	15.9	1	5	21.5	70	100	1.31	1.25	1.20	1.14
576-LCE14A	LCE14A	14	15.6	17.2	1	5	23.2	65	100	1.31	1.25	1.20	1.14
576-LCE15A	LCE15A	15	16.7	18.5	1	5	24.4	61	100	1.31	1.25	1.20	1.14
576-LCE16A	LCE16A	16	17.8	19.7	1	5	26	57	100	1.31	1.25	1.20	1.14
576-LCE17A	LCE17A	17	18.6	20.9	1	5	27.6	54	100	1.31	1.25	1.20	1.14
576-LCE18A	LCE18A	18	20	22.1	1	5	29.2	51	100	1.31	1.25	1.20	1.14
576-LCE20A	LCE20A	20	22.2	24.5	1	5	32.4	46	100	1.31	1.25	1.20	1.14
576-LCE22A	LCE22A	22	24.4	26.9	1	5	35.5	42	100	1.31	1.25	1.20	1.14
576-LCE24A	LCE24A	24	26.7	29.5	1	5	38.9	39	100	1.31	1.25	1.20	1.14
576-LCE26A	LCE26A	26	28.9	31.9	1	5	42.1	36	100	1.31	1.25	1.20	1.14
576-LCE28A	LCE28A	28	31.1	34.4	1	5	45.5	33	100	1.31	1.25	1.20	1.14

RoHS Compliant



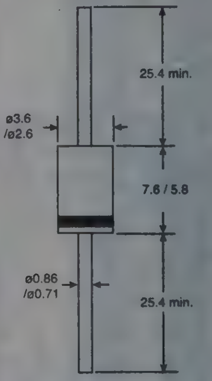
DIMENSIONS: mm

LITTELFUSE P6KE SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	Max.	(mA)					1	10	100	250
576-P6KE7.5	P6KE7.5	6.05	6.75	8.25	10	500	11.7	51	0.061	.18	.17	.17	.16
576-P6KE8.2	P6KE8.2	6.63	7.38	9.02	10	200	12.5	48	0.065	.18	.17	.17	.16
576-P6KE9.1	P6KE9.1	7.37	8.19	10	1	50	13.8	44	0.068	.18	.17	.17	.16
576-P6KE10	P6KE10	8.1	9	11	1	10	15	40	0.073	.18	.17	.17	.16
576-P6KE11	P6KE11	8.92	9.9	12.1	1	5	16.2	37	0.075	.18	.17	.17	.16
576-P6KE12	P6KE12	9.72	10.8	13.2	1	5	17.3	35	0.078	.18	.17	.17	.16
576-P6KE13	P6KE13	10.5	11.7	14.3	1	5	19	32	0.081	.18	.17	.17	.16
576-P6KE16	P6KE16	12.9	14.4	17.6	1	5	23.5	26	0.086	.18	.17	.17	.16
576-P6KE18	P6KE18	14.5	16.2	19.8	1	5	26.5	23	0.088	.18	.17	.17	.16
576-P6KE22	P6KE22	17.8	19.8	24.2	1	5	31.9	19	0.092	.18	.17	.17	.16
576-P6KE24	P6KE24	19.4	21.6	26.4	1	5	34.7	17	0.094	.18	.17	.17	.16
576-P6KE30	P6KE30	24.3	27	33	1	5	43.5	14	0.097	.18	.17	.17	.16
576-P6KE30A	P6KE30A	25.6	28.5	31.5	1	5	41.4	14.4	0.097	.19	.18	.17	.16
576-P6KE33	P6KE33	26.8	29.7	36.3	1	5	47.7	12.6	0.098	.18	.17	.17	.16
576-P6KE36	P6KE36	29.1	32.4	39.6	1	5	52	11.6	0.099	.18	.17	.17	.16
576-P6KE39	P6KE39	31.6	35.1	42.9	1	5	56.4	10.5	0.1	.18	.17	.17	.16
576-P6KE43	P6KE43	34.8	38.7	47.3	1	5	61.9	9.6	0.101	.18	.17	.17	.16
576-P6KE47	P6KE47	38.1	42.3	51.7	1	5	67.8	8.9	0.101	.18	.17	.17	.16
576-P6KE51	P6KE51	41.3	45.9	56.1	1	5	73.5	8.2	0.102	.18	.17	.17	.16
576-P6KE56	P6KE56	45.4	50.4	61.6	1	5	80.5	7.4	0.103	.18	.17	.17	.16
576-P6KE62	P6KE62	50.2	55.8	68.2	1	5	89	6.8	0.104	.18	.17	.17	.16
576-P6KE68	P6KE68	55.1	61.2	74.8	1	5	98	6.1	0.104	.18	.17	.17	.16
576-P6KE75	P6KE75	60.7	67.5	82.5	1	5	108	5.5	0.105	.18	.17	.17	.16
576-P6KE82	P6KE82	66.4	73.8	90.2	1	5	118	5.1	0.105	.18	.17	.17	.16
576-P6KE91	P6KE91	73.7	81.9	100	1	5	131	4.5	0.106	.18	.17	.17	.16
576-P6KE110	P6KE110	89.2	99	121	1	5	158	3.8	0.107	.18	.17	.17	.16

RoHS Compliant



DIMENSIONS: mm

LITTELFUSE TVS (Silicon Avalanche) Diodes

Littelfuse

RoHS Compliant **This page of product is compliant.**

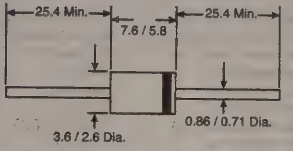
LITTELFUSE P6KE SERIES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	Max.	(mA)					1	10	100	250
576-P6KE120	P6KE120	97.2	108	132	1	5	173	3.5	0.107	.18	.17	.17	.16
576-P6KE130	P6KE130	105	117	143	1	5	187	3.2	0.107	.18	.17	.17	.16
576-P6KE160	P6KE160	130	144	176	1	5	230	2.6	0.108	.18	.17	.17	.16
576-P6KE170	P6KE170	138	153	187	1	5	244	2.5	0.108	.18	.17	.17	.16
576-P6KE180	P6KE180	146	162	198	1	5	258	2.3	0.108	.18	.17	.17	.16
576-P6KE250	P6KE250	202	225	275	1	5	360	1.67	0.11	.25	.24	.23	.22
576-P6KE300	P6KE300	243	270	330	1	5	430	1.4	0.11	.25	.24	.23	.22
576-P6KE350	P6KE350	284	315	385	1	5	504	1.2	0.11	.25	.24	.23	.22

DIMENSIONS: mm

RoHS Compliant

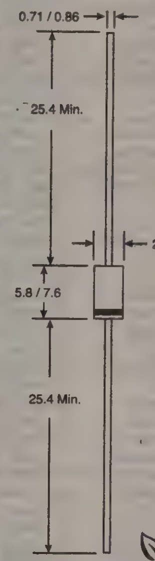


LITTELFUSE SA SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT			Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Max. Voltage Temperature	Price Each			
			Min.	Max.	(mA)					1	10	100	250
576-SA6.0C	SA6.0C	6	6.67	8.15	10	600	11.4	43.9	5	.23	.22	.21	.20
576-SA8.0C	SA8.0C	8	8.89	10.9	1	25	15	33.3	7	.23	.22	.21	.20
576-SA8.5C	SA8.5C	8.5	9.44	11.5	1	10	15.9	31.4	8	.23	.22	.21	.20
576-SA9.0C	SA9.0C	9	10	12.2	1	5	16.9	29.5	9	.23	.22	.21	.20
576-SA11C	SA11C	11	12.2	14.9	1	3	20.1	24.9	11	.23	.22	.21	.20
576-SA12C	SA12C	12	13.3	16.3	1	3	22	22.7	12	.23	.22	.21	.20
576-SA14C	SA14C	14	15.6	19.1	1	3	25.8	19.4	14	.23	.22	.21	.20
576-SA15C	SA15C	15	16.7	20.4	1	3	26.9	18.8	16	.23	.22	.21	.20
576-SA16C	SA16C	16	17.8	21.8	1	3	28.8	17.6	19	.23	.22	.21	.20
576-SA17C	SA17C	17	18.9	23.1	1	3	30.5	16.4	20	.23	.22	.21	.20
576-SA22C	SA22C	22	24.4	29.8	1	3	39.4	12.7	28	.23	.22	.21	.20
576-SA24C	SA24C	24	26.7	32.6	1	3	43	11.6	31	.23	.22	.21	.20
576-SA28	SA28	28	31.1	38	1	3	50	9.9	35	.21	.20	.19	.18
576-SA30C	SA30C	30	33.3	40.7	1	3	53.5	9.3	39	.23	.22	.21	.20
576-SA33C	SA33C	33	36.7	44.9	1	3	59	8.5	42	.23	.22	.21	.20
576-SA40C	SA40C	40	44.4	54.3	1	3	71.4	7	51	.23	.22	.21	.20
576-SA43C	SA43C	43	47.8	58.4	1	3	76.7	6.5	55	.23	.22	.21	.20
576-SA45C	SA45C	45	50	61.1	1	3	80.3	6.2	58	.23	.22	.21	.20
576-SA48C	SA48C	48	53.3	65.1	1	3	85.5	5.8	63	.23	.22	.21	.20
576-SA54	SA54	54	60	73.3	1	3	96.3	5.2	71	.21	.20	.19	.18
576-SA54C	SA54C	54	60	73.3	1	3	96.3	5.2	71	.23	.22	.21	.20
576-SA58C	SA58C	58	64.4	78.7	1	3	103	4.9	78	.23	.22	.21	.20
576-SA60C	SA60C	60	66.7	81.5	1	3	107	4.7	80	.23	.22	.21	.20
576-SA64C	SA64C	64	71	86.9	1	3	114	4.4	86	.23	.22	.21	.20
576-SA70C	SA70C	70	77.8	95.1	1	3	125	4	94	.23	.22	.21	.20
576-SA75C	SA75C	75	83	102	1	3	134	3.7	101	.23	.22	.21	.20
576-SA78C	SA78C	78	86	106	1	3	139	3.6	105	.23	.22	.21	.20
576-SA85C	SA85C	85	94	115	1	3	151	3.3	114	.23	.22	.21	.20
576-SA110C	SA110C	110	122	149	1	3	196	2.6	148	.23	.22	.21	.20
576-SA120C	SA120C	120	133	163	1	3	214	2.3	162	.23	.22	.21	.20
576-SA130C	SA130C	130	144	176	1	3	231	2.2	175	.23	.22	.21	.20
576-SA150C	SA150C	150	167	204	1	3	268	1.9	203	.23	.22	.21	.20
576-SA160C	SA160C	160	178	218	1	3	287	1.7	217	.23	.22	.21	.20
576-SA170C	SA170C	170	189	231	1	3	304	1.6	230	.23	.22	.21	.20

DIMENSIONS: mm



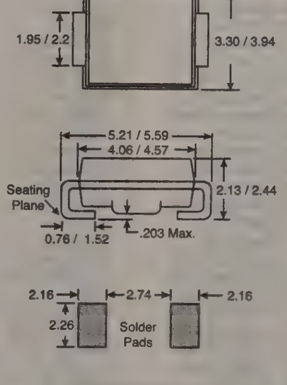
RoHS Compliant

LITTELFUSE SMBJ SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Type	Device Code	Reverse Standoff (V_R)	Breakdown Voltage VBR (Volts) @ IT		Max. Reverse Leakage IR @ VR	Max. Clamping Voltage VC @ IPP	Max. Peak Pulse Current	Price Each			
					Min.	(mA)				1	10	100	250
576-SMBJ10A	SMBJ10A	Uni-Polar	KX	10	11.1	1	5	17	35.3	.28	.23	.21	.19
576-SMBJ15	SMBJ15	Uni-Polar	LL	15	16.7	1	5	26.9	22.3	.28	.23	.21	.19
576-SMBJ10C	SMBJ10C	Bi-Polar	AW	10	11.1	1	5	18.8	31.9	.28	.23	.21	.19
576-SMBJ11C	SMBJ11C	Bi-Polar	AY	11	12.2	1	5	20.1	29.9	.28	.23	.21	.19
576-SMBJ13C	SMBJ13C	Bi-Polar	BF	13	14.4	1	5	23.8	25.2	.28	.23	.21	.19
576-SMBJ17C	SMBJ17C	Bi-Polar	BQ	17	18.9	1	5	30.5	19.7	.28	.23	.21	.19
576-SMBJ48	SMBJ48	Uni-Polar	MW	48	53.3	1	5	85.5	7	.28	.23	.21	.19
576-SMBJ20C	SMBJ20C	Bi-Polar	BU	20	22.2	1	5	35.8	16.7	.28	.23	.21	.19
576-SMBJ24C	SMBJ24C	Bi-Polar	BY	24	26.7	1	5	43	14	.28	.23	.21	.19
576-SMBJ26C	SMBJ26C	Bi-Polar	CD	26	28.9	1	5	46.6	12.4	.28	.23	.21	.19
576-SMBJ28C	SMBJ28C	Bi-Polar	CF	28	31.1	1	5	50	12	.28	.23	.21	.19
576-SMBJ43C	SMBJ43C	Bi-Polar	CS	43	47.8	1	5	76.7	7.8	.28	.23	.21	.19
576-SMBJ45C	SMBJ45C	Bi-Polar	CU	45	50	1	5	80.3	7.5	.28	.23	.21	.19
576-SMBJ48C	SMBJ48C	Bi-Polar	CW	48	53.3	1	5	85.5	7	.28	.23	.21	.19
576-SMBJ51C	SMBJ51C	Bi-Polar	CY	51	56.7	1	5	91.1	6.6	.28	.23	.21	.19
576-SMBJ54C	SMBJ54C	Bi-Polar	DD	54	60	1	5	96.3	6.2	.28	.23	.21	.19
576-SMBJ58C	SMBJ58C	Bi-Polar	DF	58	64.4	1	5	103	5.8	.28	.23	.21	.19
576-SMBJ100A	SMBJ100A	Uni-Polar	NZ	100	111	1	5	162	3.7	.28	.23	.21	.19
576-SMBJ64C	SMBJ64C	Bi-Polar	DL	64	71.1	1	5	114	5.3	.28	.23	.21	.19
576-SMBJ70C	SMBJ70C	Bi-Polar	DN	70	77.8	1	5	125	4.8	.28	.23	.21	.19
576-SMBJ75C	SMBJ75C	Bi-Polar	DQ	75	83.3	1	5	134	4.5	.28	.23	.21	.19
576-SMBJ78C	SMBJ78C	Bi-Polar	DS	78	86.7	1	5	139	4.3	.28	.23	.21	.19
576-SMBJ85C	SMBJ85C	Bi-Polar	DU	85	94.4	1	5	151	3.9	.28	.23	.21	.19
576-SMBJ90C	SMBJ90C	Bi-Polar	DW	90	100	1	5	160	3.8	.28	.23	.21	.19
576-SMBJ100C	SMBJ100C	Bi-Polar	DY	100	111	1	5	179	3.4	.28	.23	.21	.19
576-SMBJ100CA	SMBJ100CA	Bi-Polar	DZ	100	111	1	5	162	3.7	.28	.23	.21	.19
576-SMBJ110C	SMBJ110C	Bi-Polar	ED	110	122	1	5	196	3	.28	.23	.21	.19
576-SMBJ130C	SMBJ130C	Bi-Polar	EH	130	144	1	5	231	2.6	.28	.23	.21	.19
576-SMBJ170C	SMBJ170C	Bi-Polar	EQ	170	189	1	5	304	2	.28	.23	.21	.19

RoHS Compliant



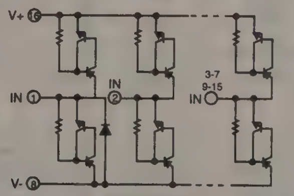
DIMENSIONS: mm

LITTELFUSE TVS DIODE ARRAYS

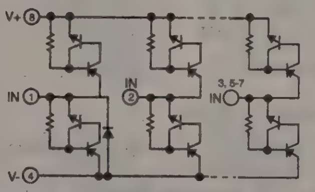
Electronic Protection Array for ESD and Overvoltage Protection

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Pkg.	Inputs	Price Each			
				1	10	100	250
576-SP720AB	SP720AB	SOIC-16	14	3.06	2.82	2.11	1.83
576-SP720AP	SP720AP	PDIP-16	14	3.06	2.82	2.11	1.83
576-SP721AB	SP721AB	SOIC-8	6	2.11	1.95	1.46	1.30
576-SP721AP	SP721AP	PDIP-8	6	2.11	1.95	1.46	1.30
576-SP723AB	SP723AB	SOIC-8	6	2.80	2.58	1.93	1.72
576-SP723AP	SP723AP	PDIP-8	6	2.86	2.64	1.98	1.71



SP720 Series



SP721 and SP723 Series

ON SEMICONDUCTOR Transient Voltage Suppressors

ON Semiconductor®

RoHS Compliant **This page of product is compliant.**

UNIDIRECTIONAL

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) Typ. (V)	PPK Max. (W)	VRWM Max. (V)	IR Max. (µA)	VC Max. (V)	Price Each 1	25	100	500
863-NZQA5V6AXV5T1G	NZQA5V6AXV5T1G	SOT-553	5.6	20	3	1	13	.40	.35	.23	.21
863-NZQA5V6XV5T1G	NZQA5V6XV5T1G	SOT-553	5.6	100	3	1	10.5	.39	.33	.22	.20
863-MMQA5V6T1G	MMQA5V6T1G	SC-74	5.6	150	-	2	8	.21	.18	.12	.11
863-1N5908G	1N5908G	Mosorb	6	1500	5	300	8.5	.60	.52	.34	.31
863-1N6373G	1N6373G	Mosorb	6	1500	5	300	9.4	.60	.52	.34	.31
863-SA5.0AG	SA5.0AG	Mosorb MINI	6.7	500	5	600	9.2	.51	.44	.29	.26
863-1SMB5.0AT3G	1SMB5.0AT3G	SMB	6.7	600	5	800	9.2	.20	.17	.15	.13
863-SD05T1G	SD05T1G	SOD-323	6.75	350	5	10	14.5	.18	.15	.10	.09
863-NSQA6V8AW5T2G	NSQA6V8AW5T2G	SOT-353	6.8	20	5	1	13	.39	.33	.22	.20
863-MMQA6V8T1G	MMQA6V8T1G	SC-74	6.8	150	-	0.5	9.8	.21	.18	.12	.11
863-P6SMB6.8AT3G	P6SMB6.8AT3G	SMB	6.8	600	5.8	1000	10.5	.22	.18	.16	.14
863-P6KE6.8AG	P6KE6.8AG	Surmetic 40	6.8	600	5.8	1000	10.5	.27	.23	.15	.14
863-1.5KE6.8AG	1.5KE6.8AG	Mosorb	6.8	1500	5.8	1000	10.5	.67	.52	.41	.36
863-1N6267AG	1N6267AG	Mosorb	6.8	1500	5.8	1000	10.5	.60	.52	.34	.31
863-1SMB6.0AT3G	1SMB6.0AT3G	SMB	7.02	600	6	800	10.3	.20	.17	.15	.13
863-1SMB6.5AT3G	1SMB6.5AT3G	SMB	7.6	600	6.5	500	11.2	.20	.17	.15	.13
863-1SMB7.0AT3G	1SMB7.0AT3G	SMB	8.19	600	7	200	12	.20	.17	.15	.13
863-P6KE10AG	P6KE10AG	Surmetic 40	10	600	8.55	10	14.5	.33	.29	.19	.17
863-1N6271AG	1N6271AG	Mosorb	10	1500	8.55	10	14.5	.69	.57	.42	.38
863-1SMB9.0AT3G	1SMB9.0AT3G	SMB	10.55	600	9	50	15.4	.20	.17	.15	.13
863-1SMB10AT3G	1SMB10AT3G	SMB	11.7	600	10	5	17	.20	.17	.15	.13
863-NSQA12VAW5T2G	NSQA12VAW5T2G	SOT-353	12	20	9	0.05	23	.39	.33	.22	.20
863-P6SMB13AT3G	P6SMB13AT3G	SMB	13	600	11.1	5	18.2	.22	.18	.16	.14
863-SA12AG	SA12AG	Mosorb MINI	14	500	12	1	19.9	.29	.25	.17	.15
863-1SMB12AT3G	1SMB12AT3G	SMB	14	600	12	50	19.9	.20	.17	.15	.13
863-P6SMB15AT3G	P6SMB15AT3G	SMB	15	600	12.8	5	21.2	.22	.18	.16	.14
863-P6KE15AG	P6KE15AG	Surmetic 40	15	600	12.8	5	21.2	.45	.32	.24	.20
863-SA13AG	SA13AG	Mosorb MINI	15.15	500	13	1	21.5	.29	.25	.17	.15
863-1SMB13AT3G	1SMB13AT3G	SMB	15.15	600	13	5	21.5	.20	.17	.15	.13
863-P6SMB16AT3G	P6SMB16AT3G	SMB	16	600	13.6	5	22.5	.22	.18	.16	.14
863-1.5KE16AG	1.5KE16AG	Mosorb	16	1500	13.6	5	22.5	.68	.49	.41	.37
863-SA15AG	SA15AG	Mosorb MINI	17.6	500	15	1	24.4	.29	.25	.17	.15
863-1SMB15AT3G	1SMB15AT3G	SMB	17.6	600	15	5	24.4	.20	.17	.15	.13
863-1N6377G	1N6377G	Mosorb	17.6	1500	15	2	25	.60	.52	.34	.31
863-P6KE18AG	P6KE18AG	Surmetic 40	18	600	15.3	5	25.2	.27	.23	.15	.14
863-1.5KE18AG	1.5KE18AG	Mosorb	18	1500	15.3	5	25.2	.58	.50	.33	.30
863-1N6277AG	1N6277AG	Mosorb	18	1500	15.3	5	25.2	.68	.57	.43	.37
863-1SMB16AT3G	1SMB16AT3G	SMB	19.7	600	16	50	26	.20	.17	.15	.13
863-1SMB18AT3G	1SMB18AT3G	SMB	21.05	600	18	5	29.2	.20	.17	.15	.13
863-MR2835SKG	MR2835SKG	Top Can Button	23	32	-	1	-	1.79	1.53	1.02	.92
863-1SMB20AT3G	1SMB20AT3G	SMB	23.35	600	20	5	32.4	.20	.17	.15	.13
863-1SMB22AT3G	1SMB22AT3G	SMB	25.65	600	22	50	35.5	.20	.17	.15	.13
863-P6SMB27AT3G	P6SMB27AT3G	SMB	27	600	23.1	5	37.5	.22	.18	.16	.14
863-1SMB24AT3G	1SMB24AT3G	SMB	28.1	600	24	5	38.9	.20	.17	.15	.13
863-P6SMB30AT3G	P6SMB30AT3G	SMB	30	600	25.6	5	41.4	.22	.18	.16	.14
863-1N6282AG	1N6282AG	Mosorb	30	1500	25.6	5	41.4	.60	.52	.34	.31
863-1SMB26AT3G	1SMB26AT3G	SMB	30.4	600	26	5	42.1	.20	.17	.15	.13
863-SA28AG	SA28AG	Mosorb MINI	32.75	500	28	1	45.4	.29	.25	.17	.15
863-1SMB28AT3G	1SMB28AT3G	SMB	32.75	600	28	5	45.4	.20	.17	.15	.13
863-P6SMB33AT3G	P6SMB33AT3G	SMB	33	600	28.2	5	45.7	.22	.18	.16	.14
863-1.5KE33AG	1.5KE33AG	Mosorb	33	1500	28.2	5	45.7	.67	.52	.41	.36
863-1N6283AG	1N6283AG	Mosorb	33	1500	28.2	5	45.7	.68	.57	.43	.37
863-1SMB30AT3G	1SMB30AT3G	SMB	35.05	600	30	5	48.4	.20	.17	.15	.13
863-P6SMB36AT3G	P6SMB36AT3G	SMB	36	600	30.8	5	49.9	.22	.18	.16	.14
863-P6KE36AG	P6KE36AG	Surmetic 40	36	600	30.8	5	49.9	.27	.23	.15	.14
863-1.5KE36AG	1.5KE36AG	Mosorb	36	1500	30.8	50	49.9	.58	.50	.33	.30
863-1N6284AG	1N6284AG	Mosorb	36	1500	30.8	50	49.9	.69	.57	.42	.38
863-1SMB33AT3G	1SMB33AT3G	SMB	38.65	600	33	5	53.3	.20	.17	.15	.13
863-P6SMB39AT3G	P6SMB39AT3G	SMB	39	600	33.3	5	53.9	.37	.27	.20	.14
863-P6KE39AG	P6KE39AG	Surmetic 40	39	600	33.3	5	53.9	.45	.32	.24	.20
863-1N6285AG	1N6285AG	Mosorb	39	1500	33.3	5	53.9	.69	.57	.42	.38
863-1SMB36AT3G	1SMB36AT3G	SMB	42.1	600	36	5	58.1	.20	.17	.15	.13
863-1N6380G	1N6380G	Mosorb	42.4	1500	36	2	65.2	.69	.57	.42	.38
863-1N6286AG	1N6286AG	Mosorb	43	1500	36.8	5	59.3	.69	.57	.42	.38
863-1SMB40AT3G	1SMB40AT3G	SMB	46.75	600	40	5	64.5	.20	.17	.15	.13
863-1SMB43AT3G	1SMB43AT3G	SMB	50.3	600	43	5	69.4	.20	.17	.15	.13
863-P6SMB51AT3G	P6SMB51AT3G	SMB	51	600	43.6	50	70.1	.22	.18	.16	.14
863-P6KE51AG	P6KE51AG	Surmetic 40	51	600	43.6	5	70.1	.27	.23	.15	.14
863-1N6288AG	1N6288AG	Mosorb	51	1500	43.6	5	70.1	.60	.52	.34	.31
863-1SMB51AT3G	1SMB51AT3G	SMB	59.7	600	51	5	82.4	.20	.17	.15	.13
863-P6SMB62AT3G	P6SMB62AT3G	SMB	62	600	53	50	85	.22	.18	.16	.14
863-1SMB54AT3G	1SMB54AT3G	SMB	63.15	600	54	5	87.1	.20	.17	.15	.13
863-1SMB58AT3G	1SMB58AT3G	SMB	67.8	600	58	5	93.6	.20	.17	.15	.13
863-P6SMB68AT3G	P6SMB68AT3G	SMB	68	600	58.1	5	92	.22	.18	.16	.14
863-1SMB60AT3G	1SMB60AT3G	SMB	70.2	600	60	50	96.8	.20	.17	.15	.13
863-1SMB70AT3G	1SMB70AT3G	SMB	81.9	600	70	5	113	.20	.17	.15	.13
863-1N6295AG	1N6295AG	Mosorb	100	1500	85.5	5	137	1.23	1.05	.70	.63
863-P6SMB150AT3G	P6SMB150AT3G	SMB	150	600	128	5	207	.32	.27	.18	.17
863-1N6299AG	1N6299AG	Mosorb	150	1500	128	5	207	1.23	1.05	.70	.63
863-P6SMB160AT3G	P6SMB160AT3G	SMB	160	600	136	5	219	.32	.27	.18	.17
863-P6SMB180AT3G	P6SMB180AT3G	SMB	180	600	154	50	246	.32	.27	.18	.17
863-1SMB170AT3G	1SMB170AT3G	SMB	199	600	170	5	275	.30	.23	.21	.16
863-P6SMB200AT3G	P6SMB200AT3G	SMB	200	600	171	50	274	.30	.23	.21	.16
863-P6KE200AG	P6KE200AG	Surmetic 40	200	600	171	5	274	.33	.29	.19	.17
863-1N6303AG	1N6303AG	Mosorb	200	1500	171	5	274	1.23	1.05	.70	.63

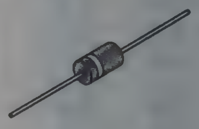
BIDIRECTIONAL

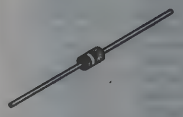
For quantities of 1000 and up, call for quote.

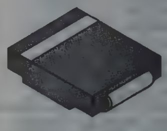
MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V(BR) Typ. (V)	PPK Max. (W)	VRWM Max. (V)	IR Max. (µA)	VC Max. (V)	Price Each 1	25	100	500
863-SD12CT1G	SD12CT1G	SOD-323	13.3	350	12	1	19	.53	.45	.30	.27

SOT-553

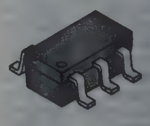
SC-74

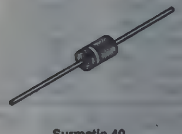

Mosorb

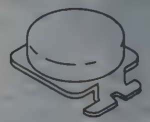

Mosorb MINI


SMB

SOD-323


SOT-353

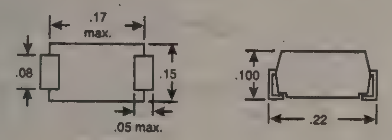

Surmetic 40


Top Can Bottom

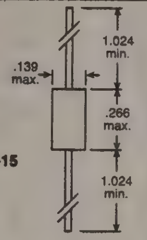
STMICROELECTRONICS Surge Protection Devices

STMicroelectronics

DIMENSIONS: in.



DO-214AA



DO-15

◆ Surface Mount Devices

CROWBAR TYPE PROTECTION DIODES

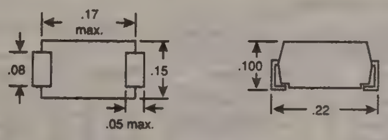
For quantities 500 and up, call for quote.

Replaces Teccor	MOUSER STOCK NO.	STM Part No.	Package	VBR @ IR (V) Min.	VBR @ IR (mA) Min.	VBO @ IBO (V) Min.	VBO @ IBO (mA) Min.	IPP (A) Max.	ITSM (A) Max.	IH (mA) Min.	Price Each 1	Price Each 10	Price Each 100	Price Each 250
-------	◆511-SMP75-8	SMP75-8	DO-2144	8	0.05	15	800	75	14	150	.96	.83	.74	.66
P0640EA70	511-TPA62	TPA62	DO-15	62	0.05	82	300	50	30	150	.49	.45	.41	.38
-------	◆511-SMTPA68	SMTPA68	DO-214AA	68	1.00	90	800	50	30	150	.56	.55	.51	.47
-------	511-SMP100LC-8	SMP100LC-8	DO-2144	8	0.05	15	800	100	24	150	.78	.68	.60	.54
-------	511-SMP100LC-35	SMP100LC-35	DO-2144	35	0.05	55	800	100	24	150	.68	.60	.53	.47
-------	◆511-SMTPA120	SMTPA120	DO-214AA	120	0.05	160	800	50	30	150	.56	.55	.51	.47
P2300SA	◆511-SMTPA180	SMTPA180	DO-214AA	180	0.05	240	800	50	30	150	.39	.36	.33	.30
P2300EA70	511-TPA180	TPA180	DO-15	180	0.05	240	800	50	30	150	.37	.34	.31	.29
P3000AA61	511-TPA240	TPA240	DO-15	240	0.05	320	800	50	30	150	.37	.34	.31	.29
P3500SA	◆511-SMTPA270	SMTPA270	DO-214AA	270	0.05	360	800	50	30	150	.45	.41	.38	.35
P3100EA70	511-TPA270	TPA270	DO-15	270	0.05	360	300	50	30	150	.37	.34	.31	.29

TRANSIENT VOLTAGE SUPPRESSORS

DIMENSIONS: in.

DO-214AA



◆ Surface Mount Devices

SM6T Series 600 Watt

For quantities 500 and up, call for quote.

Unidirectional MOUSER STOCK NO. Mfr. — Mfr. Part No.	Unidirectional Price Each 1	10	100	250	Bidirectional MOUSER STOCK NO. Mfr. — Mfr. Part No.	Bidirectional Price Each 1	10	100	250	Package	VBR @ IR Min. (V)	VBR @ IR Max. (V)	VBR @ IR (mA)	VRWM (V)	IRSM Max. (A)	VRSM Max. (V)
◆ 511—SM6T6V8A	.37	.34	.31	.29	◆511—SM6T6V8CA	.23	.21	.19	.18	DO-214AA	6.45	7.14	10	5.80	57.00	10.5
◆ 511—SM6T7V5A	.37	.34	.31	.29	--------------	---	---	---	---	DO-214AA	7.13	7.88	10	6.40	53.00	11.3
--------------	---	---	---	---	◆511—SM6T10CA	.41	.38	.34	.32	DO-214AA	9.50	10.50	1	8.55	41.00	14.5
◆ 511—SM6T18A	.37	.34	.31	.29	◆511—SM6T18CA	.23	.21	.19	.18	DO-214AA	17.10	18.90	1	15.30	24.00	25.2
--------------	---	---	---	---	◆511—SM6T22CA	.41	.38	.34	.32	DO-214AA	20.90	23.10	1	18.80	20.00	30.6
--------------	---	---	---	---	◆511—SM6T24CA	.41	.38	.34	.32	DO-214AA	22.80	25.20	1	20.50	18.00	33.2
◆ 511—SM6T30A	.37	.34	.31	.29	◆511—SM6T30CA	.41	.38	.34	.32	DO-214AA	28.50	31.50	1	25.60	14.50	41.5
◆ 511—SM6T33A	.37	.34	.31	.29	--------------	---	---	---	---	DO-214AA	31.40	34.70	1	28.20	13.10	45.7
--------------	---	---	---	---	◆511—SM6T36CA	.41	.38	.34	.32	DO-214AA	34.20	37.80	1	30.80	12.00	49.9
◆ 511—SM6T39A	.37	.34	.31	.29	◆511—SM6T39CA	.37	.34	.31	.29	DO-214AA	37.10	41.00	1	33.30	11.10	53.9
◆ 511—SM6T68A	.37	.34	.31	.29	◆511—SM6T68CA	.41	.38	.34	.32	DO-214AA	64.60	71.40	1	58.10	6.50	92.0
◆ 511—SM6T200A	.37	.34	.31	.29	--------------	---	---	---	---	DO-214AA	190.00	210.00	1	171.00	2.20	274.0

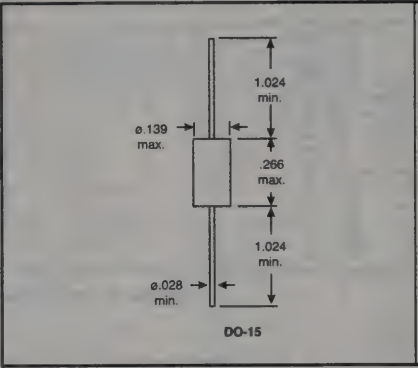
SMBJ Series 600 Watt

For quantities 500 and up, call for quote.

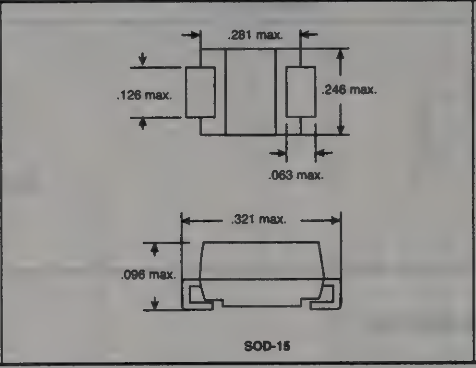
Unidirectional MOUSER STOCK NO. Mfr. — Mfr. Part No.	Unidirectional Price Each 1	10	100	250	Bidirectional MOUSER STOCK NO. Mfr. — Mfr. Part No.	Bidirectional Price Each 1	10	100	250	Package	VBR @ IR Min. (V)	VBR @ IR Max. (V)	VBR @ IR (mA)	VRWM (V)	IRSM Max. (A)	VRSM Max. (V)
◆ 511—SMBJ5.0A	.19	.17	.16	.14	◆511—SMBJ5.0CA	.41	.38	.34	.32	DO-214AA	6.40	7.07	10	5.00	68.00	9.2
◆ 511—SMBJ12A	.21	.19	.17	.16	◆511—SMBJ12CA	.19	.17	.16	.14	DO-214AA	13.30	14.70	1	12.00	31.00	19.9
◆ 511—SMBJ13A	.16	.15	.14	.13	◆511—SMBJ13CA	.41	.38	.34	.32	DO-214AA	14.40	15.90	1	13.00	29.00	21.5
◆ 511—SMBJ15A	.21	.19	.17	.16	◆511—SMBJ15CA	.19	.17	.16	.14	DO-214AA	16.70	18.50	1	15.00	25.10	24.4
◆ 511—SMBJ18A	.21	.19	.17	.16	◆511—SMBJ18CA	.41	.38	.34	.32	DO-214AA	20.00	22.10	1	18.00	21.50	29.0
◆ 511—SMBJ22A	.37	.34	.31	.29	--------------	---	---	---	---	DO-214AA	24.40	26.90	1	22.00	17.70	35.5
◆ 511—SMBJ24A	.21	.19	.17	.16	◆511—SMBJ24CA	.19	.17	.16	.14	DO-214AA	26.70	29.50	1	24.00	16.00	38.9
◆ 511—SMBJ30A	.37	.34	.31	.29	511—SMBJ30CA	.20	.18	.16	.15	DO-214AA	33.30	36.80	1	30.00	13.00	48.4
511—SMBJ33A	.18	.16	.15	.14	◆511—SMBJ33CA	.19	.17	.16	.14	DO-214AA	36.70	40.60	1	33.00	11.80	53.3
511-SMLVT3V3	.33	.30	.28	.26	◆--------------	---	---	---	---	DO-214AA	4.10	7.30	1	3.30	50.00	10.3

STMICROELECTRONICS Surge Protection Devices

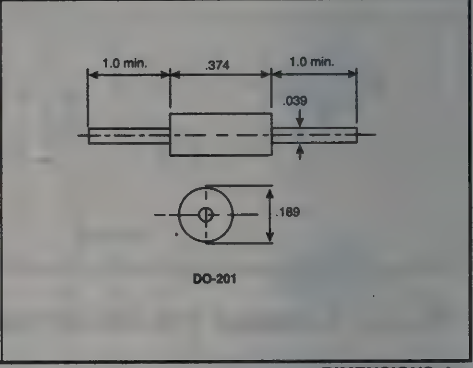
STMicroelectronics



DO-15



SOD-15



DO-201

DIMENSIONS: In.

TRANSIENT VOLTAGE SUPPRESSORS

P6KE Series 600 Watt

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)	Price Each			
Unidirectional		Bidirectional			Min. (V)	Max. (V)	(mA)							
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.								1	10	100	250
511	P6KE6V8A	511	P6KE6V8CA	DO-15	6.45	7.14	10	5.80	57.00	10.5	.23	.21	.19	.18
511	P6KE7V5A	511	P6KE7V5CA	DO-15	7.13	7.88	10	6.40	53.00	11.3	.33	.30	.28	.26
511	P6KE12A	511	P6KE12CA	DO-15	11.40	12.60	1	10.20	36.00	16.7	.23	.21	.19	.18
511	P6KE18A	511	P6KE18CA	DO-15	17.10	18.90	1	15.30	24.00	25.2	.23	.21	.19	.18
511	P6KE24A	-------		DO-15	22.80	25.20	1	20.50	18.00	33.2	.23	.21	.19	.18
511	P6KE27A	511	P6KE27CA	DO-15	25.70	28.40	1	23.10	16.00	37.5	.23	.21	.19	.18
511	P6KE30A	511	P6KE30CA	DO-15	28.50	31.50	1	25.60	14.50	41.5	.23	.21	.19	.18
-------		511	P6KE33CA	DO-15	31.40	34.70	1	28.20	13.10	45.7	.25	.23	.21	.19
511	P6KE36A	511	P6KE36CA	DO-15	34.20	37.80	1	30.80	12.00	49.9	.23	.21	.19	.18
511	P6KE39A	511	P6KE39CA	DO-15	37.10	41.00	1	33.30	11.10	53.9	.23	.21	.19	.18

SM15T Series 1500 Watt

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)	Price Each			
Unidirectional		Bidirectional			Min. (V)	Max. (V)	(mA)							
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.								1	10	100	250
◆ 511	SM15T6V8A	511	SM15T6V8CA	SOD-15	6.45	7.14	10	5.80	143.00	10.5	.60	.59	.54	.50
◆ 511	SM15T7V5A	-------		SOD-15	7.13	7.88	10	6.40	132.00	11.3	.60	.59	.54	.50
◆ 511	SM15T10A	511	SM15T10CA	SOD-15	9.50	10.50	1	8.55	103.00	14.5	.60	.59	.54	.50
◆ 511	SM15T12A	511	SM15T12CA	SOD-15	11.40	12.60	1	10.20	90.00	16.7	.60	.59	.54	.50
◆ 511	SM15T15A	511	SM15T15CA	SOD-15	14.30	15.80	1	12.80	71.00	21.2	.60	.59	.54	.50
◆ 511	SM15T18A	511	SM15T18CA	SOD-15	17.10	18.90	1	15.30	59.50	25.2	.60	.59	.54	.50
◆ 511	SM15T22A	511	SM15T22CA	SOD-15	20.90	23.10	1	18.80	49.00	30.6	.60	.59	.54	.50
◆ 511	SM15T24A	511	SM15T24CA	SOD-15	22.80	25.20	1	20.50	45.00	33.2	.60	.59	.54	.50
◆ 511	SM15T27A	-------		SOD-15	25.70	28.40	1	23.10	40.00	37.5	.60	.59	.54	.50
◆ 511	SM15T30A	511	SM15T30CA	SOD-15	28.50	31.50	1	25.60	36.00	41.5	.60	.59	.54	.50
◆ 511	SM15T33A	511	SM15T33CA	SOD-15	31.40	34.70	1	28.20	33.00	45.7	.60	.59	.54	.50
◆ 511	SM15T36A	511	SM15T36CA	SOD-15	34.20	37.80	1	30.80	30.00	49.9	.60	.59	.54	.50
◆ 511	SM15T68A	511	SM15T68CA	SOD-15	64.60	71.40	1	58.10	16.30	92.0	.60	.59	.54	.50
◆ 511	SM15T100A	511	SM15T100CA	SOD-15	95.00	105.00	1	85.50	11.00	137.0	.60	.59	.54	.50
◆ 511	SM15T200A	511	SM15T200CA	SOD-15	190.00	210.00	1	171.00	5.50	274.0	.60	.59	.54	.50
◆ 511	SM15T220A	511	SM15T220CA	SOD-15	209.00	231.00	1	188.00	4.60	328.0	.60	.59	.54	.50
◆ 511	SM15T39A	511	SM15T39CA	SOD-15	37.10	41.00	1	33.30	28.00	53.9	.43	.40	.36	.34

1.5KE Series 1500 Watt

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM Max. (A)	VRSM Max. (V)	Price Each							
Unidirectional		Bidirectional			Min. (V)	Max. (V)	(mA)				Unidirectional				Bidirectional			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.								1	10	100	250	1	10	100	250
511	1.5KE6V8A	511	1.5KE6V8CA	DO-201	6.45	7.14	10	5.80	143.00	10.5	.36	.33	.30	.28	.41	.38	.34	.32
511	1.5KE12A	511	1.5KE12CA	DO-201	11.40	12.60	1	10.20	90.00	16.7	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE15A	511	1.5KE15CA	DO-201	14.30	15.80	1	12.80	71.00	21.2	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE18A	511	1.5KE18CA	DO-201	17.10	18.90	1	15.30	59.50	25.2	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE22A	511	1.5KE22CA	DO-201	20.90	23.10	1	18.80	49.00	30.6	.56	.48	.42	.39	.41	.38	.34	.32
511	1.5KE24A	511	1.5KE24CA	DO-201	22.80	25.20	1	20.50	45.00	33.2	.67	.56	.42	.37	.41	.38	.34	.32
511	1.5KE30A	511	1.5KE30CA	DO-201	28.50	31.50	1	25.60	36.00	41.5	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE33A	511	1.5KE33CA	DO-201	31.40	34.70	1	28.20	33.00	45.7	.39	.36	.33	.30	.36	.33	.30	.28
511	1.5KE36A	511	1.5KE36CA	DO-201	34.20	37.80	1	30.80	30.00	49.9	.39	.36	.33	.30	.35	.32	.29	.27
511	1.5KE39A	511	1.5KE39CA	DO-201	37.10	41.00	1	33.30	28.00	53.9	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE47A	511	1.5KE47CA	DO-201	44.70	49.40	1	40.20	23.20	64.8	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE62A	511	1.5KE62CA	DO-201	58.90	65.10	1	53.00	17.70	85.0	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE68A	511	1.5KE68CA	DO-201	64.60	71.40	1	58.10	16.30	92.0	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE100A	511	1.5KE100CA	DO-201	95.00	105.00	1	85.50	11.00	137.0	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE150A	511	1.5KE150CA	DO-201	143.00	158.00	1	128.00	7.20	207.0	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE180A	511	1.5KE180CA	DO-201	171.00	189.00	1	154.00	6.10	246.0	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE200A	511	1.5KE200CA	DO-201	190.00	210.00	1	171.00	5.50	274.0	.33	.30	.28	.26	.41	.38	.34	.32
511	1.5KE220A	511	1.5KE220CA	DO-201	209.00	231.00	1	188.00	4.60	328.0	.39	.36	.33	.30	.41	.38	.34	.32
511	1.5KE300A	511	1.5KE300CA	DO-201	285.00	315.00	1	256.00	5.00	414.0	.39	.36	.33	.30	.60	.59	.54	.50

VISHAY Transient Voltage Suppressors

RoHS Compliant This page of product is compliant.

VISHAY SMAJ SERIES 400 WATT

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional								
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.		(V) Min.	(V) Max.	(mA)			
Surface Mount										
625	SMAJ5.0A-E3	625	SMAJ5.0CA-E3	DO-214AC	6.40	7.07	10	5.00	43.5	9.2
625	SMAJ6.0A-E3	625	SMAJ6.0CA-E3	DO-214AC	6.67	7.37	10	6.00	38.8	10.3
625	SMAJ6.5A-E3	625	SMAJ6.5CA-E3	DO-214AC	7.22	7.98	10	6.50	35.7	11.2
625	SMAJ7.0A-E3	625	SMAJ7.0CA-E3	DO-214AC	7.78	8.60	10	7.00	33.3	12.0
625	SMAJ7.5A-E3	625	SMAJ7.5CA-E3	DO-214AC	8.33	9.21	1	7.50	31.0	12.9
625	SMAJ8.0A-E3	625	SMAJ8.0CA-E3	DO-214AC	8.89	9.83	1	8.00	29.4	13.6
625	SMAJ8.5A-E3	625	SMAJ8.5CA-E3	DO-214AC	9.44	10.40	1	8.50	27.8	14.4
625	SMAJ9.0A-E3	625	SMAJ9.0CA-E3	DO-214AC	10.00	11.10	1	9.00	26.0	15.4
625	SMAJ10A-E3	625	SMAJ10CA-E3	DO-214AC	11.10	12.30	1	11.00	23.5	17.0
625	SMAJ12A-E3	625	SMAJ12CA-E3	DO-214AC	13.30	14.70	1	12.00	20.1	19.9
625	SMAJ13A-E3	625	SMAJ13CA-E3	DO-214AC	14.40	15.90	1	13.00	18.6	21.5
625	SMAJ14A-E3	625	SMAJ14CA-E3	DO-214AC	15.60	17.20	1	14.00	17.2	23.2
625	SMAJ15A-E3	625	SMAJ15CA-E3	DO-214AC	16.70	18.50	1	15.00	16.4	24.4
625	SMAJ16A-E3	625	SMAJ16CA-E3	DO-214AC	17.80	19.70	1	16.00	15.4	26.0
625	SMAJ18A-E3	625	SMAJ18CA-E3	DO-214AC	20.00	22.10	1	18.00	13.7	29.2
625	SMAJ20A-E3	625	SMAJ20CA-E3	DO-214AC	22.20	24.50	1	20.00	12.3	32.4
625	SMAJ22A-E3	625	SMAJ22CA-E3	DO-214AC	24.40	26.90	1	22.00	11.3	35.5
625	SMAJ24A-E3	625	SMAJ24CA-E3	DO-214AC	26.70	29.50	1	24.00	10.3	38.9
625	SMAJ26A-E3	625	SMAJ26CA-E3	DO-214AC	28.90	31.90	1	26.00	9.5	42.1
625	SMAJ28A-E3	625	SMAJ28CA-E3	DO-214AC	31.10	34.40	1	28.00	8.8	45.4
625	SMAJ30A-E3	625	SMAJ30CA-E3	DO-214AC	33.30	36.80	1	30.00	8.3	48.4
625	SMAJ33A-E3	625	SMAJ33CA-E3	DO-214AC	36.70	40.60	1	33.00	7.5	53.3
625	SMAJ36A-E3	625	SMAJ36CA-E3	DO-214AC	40.00	44.20	1	36.00	6.9	58.1
625	SMAJ40A-E3	625	SMAJ40CA-E3	DO-214AC	44.40	49.10	1	40.00	6.2	64.5
625	SMAJ43A-E3	625	SMAJ43CA-E3	DO-214AC	47.80	52.80	1	43.00	5.8	69.4
625	SMAJ45A-E3	625	SMAJ45CA-E3	DO-214AC	50.00	55.30	1	45.00	5.5	72.7
625	SMAJ48A-E3	625	SMAJ48CA-E3	DO-214AC	53.30	58.90	1	48.00	5.2	77.4
625	SMAJ51A-E3	625	SMAJ51CA-E3	DO-214AC	56.70	62.70	1	51.00	4.9	82.4
625	SMAJ54A-E3	625	SMAJ54CA-E3	DO-214AC	60.00	66.30	1	54.00	4.6	87.1
625	SMAJ58A-E3	625	SMAJ58CA-E3	DO-214AC	64.40	71.20	1	58.00	4.3	93.6
625	SMAJ60A-E3	625	SMAJ60CA-E3	DO-214AC	66.70	73.70	1	60.00	4.1	96.8
625	SMAJ64A-E3	625	SMAJ64CA-E3	DO-214AC	71.10	78.60	1	64.00	3.9	103.0
625	SMAJ70A-E3	625	SMAJ70CA-E3	DO-214AC	77.80	86.00	1	70.00	3.5	113.0
625	SMAJ75A-E3	625	SMAJ75CA-E3	DO-214AC	83.30	92.10	1	75.00	3.3	121.0
625	SMAJ78A-E3	625	SMAJ78CA-E3	DO-214AC	86.70	95.80	1	78.00	3.2	126.0
625	SMAJ85A-E3	625	SMAJ85CA-E3	DO-214AC	94.40	104.00	1	85.00	2.2	137.0
625	SMAJ90A-E3	625	SMAJ90CA-E3	DO-214AC	100.00	111.00	1	90.00	2.1	146.0
625	SMAJ100A-E3	625	SMAJ100CA-E3	DO-214AC	111.00	123.00	1	100.00	1.9	162.0
625	SMAJ120A-E3	625	SMAJ120CA-E3	DO-214AC	133.00	163.00	1	120.00	1.4	214.0
625	SMAJ150A-E3	625	SMAJ150CA-E3	DO-214AC	167.00	185.00	1	150.00	1.2	243.0
625	SMAJ170A-E3	625	SMAJ170CA-E3	DO-214AC	189.00	209.00	1	170.00	1.09	275.0
625	SMAJ530-E3	- - - - - - - - - - -		DO-214AC	530.00	-----	0.1	447.00	-----	-----
625	SMAJ550-E3	- - - - - - - - - - -		DO-214AC	550.00	-----	0.1	495.00	-----	-----

VISHAY TPSMP SERIES 400 WATT [EXCEPT 6.8V (250 WATT) AND 7.5V (300 WATT)]

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional								
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.		(V) Min.	(V) Max.	(mA)			
Surface Mount										
625	TPSMP6.8AHE3	- - - - - - - - - - -		DO-220AA	6.45	7.14	10	5.80	23.8	10.5
625	TPSMP7.5AHE3	- - - - - - - - - - -		DO-220AA	7.13	7.88	10	6.40	26.5	11.3
625	TPSMP13AHE3	- - - - - - - - - - -		DO-220AA	12.40	13.70	1	11.10	22.0	18.2
625	TPSMP15AHE3	- - - - - - - - - - -		DO-220AA	14.30	15.80	1	12.80	18.9	21.2
625	TPSMP16AHE3	- - - - - - - - - - -		DO-220AA	15.20	16.80	1	13.60	17.8	22.5
625	TPSMP18AHE3	- - - - - - - - - - -		DO-220AA	17.10	18.90	1	15.30	15.9	25.5
625	TPSMP20AHE3	- - - - - - - - - - -		DO-220AA	19.00	21.00	1	17.10	14.4	27.7
625	TPSMP22AHE3	- - - - - - - - - - -		DO-220AA	20.90	23.10	1	18.80	13.1	30.6
625	TPSMP24AHE3	- - - - - - - - - - -		DO-220AA	22.80	25.20	1	20.50	12.0	33.2
625	TPSMP27AHE3	- - - - - - - - - - -		DO-220AA	25.70	28.40	1	23.10	10.7	37.5
625	TPSMP30AHE3	- - - - - - - - - - -		DO-220AA	28.50	31.50	1	25.60	9.7	41.4
625	TPSMP33AHE3	- - - - - - - - - - -		DO-220AA	31.40	34.70	1	28.20	8.8	45.7
625	TPSMP36AHE3	- - - - - - - - - - -		DO-220AA	34.20	37.80	1	30.80	8.0	49.9
625	TPSMP39AHE3	- - - - - - - - - - -		DO-220AA	37.10	41.00	1	33.30	7.4	53.9
625	TPSMP43AHE3	- - - - - - - - - - -		DO-220AA	40.90	45.20	1	36.80	6.7	59.3

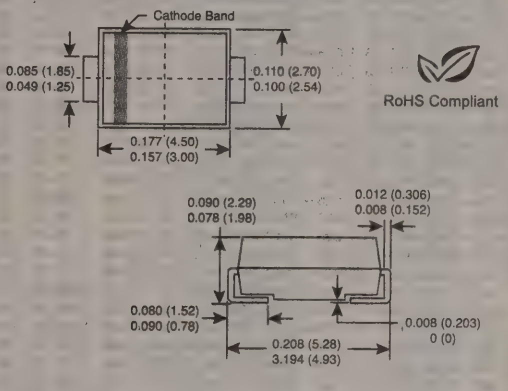
VISHAY SMBJ SERIES 600 WATT

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional								
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.		(V) Min.	(V) Max.	(mA)			
Surface Mount										
625	SMBJ3V3-E3	- - - - - - - - - - -		DO-214AA	4.10	- - - - -	1	3.30	7.3	10.3
625	SMBJ5.0A-E3	625	SMBJ5.0CA-E3	DO-214AA	6.40	7.07	10	5.00	65.2	9.2
625	SMBJ6.0A-E3	625	SMBJ6.0CA-E3	DO-214AA	6.67	7.37	10	6.00	58.3	10.3
625	SMBJ6.5A-E3	625	SMBJ6.5CA-E3	DO-214AA	7.22	7.98	10	6.50	53.6	11.2
625	SMBJ7.0A-E3	625	SMBJ7.0CA-E3	DO-214AA	7.78	8.60	10	7.00	50.0	12.0
625	SMBJ7.5A-E3	625	SMBJ7.5CA-E3	DO-214AA	8.33	9.21	1	7.50	46.5	12.9
625	SMBJ8.0A-E3	625	SMBJ8.0CA-E3	DO-214AA	8.89	9.83	1	8.00	44.1	13.6
625	SMBJ8.5A-E3	625	SMBJ8.5CA-E3	DO-214AA	9.44	10.40	1	8.50	41.7	14.4
625	SMBJ9.0A-E3	625	SMBJ9.0CA-E3	DO-214AA	10.00	11.10	1	9.00	39.0	15.4
625	SMBJ10A-E3	625	SMBJ10CA-E3	DO-214AA	11.10	12.30	1	10.00	35.3	17.0
625	SMBJ11A-E3	625	SMBJ11CA-E3	DO-214AA	12.20	13.50	1	11.00	33.0	18.2

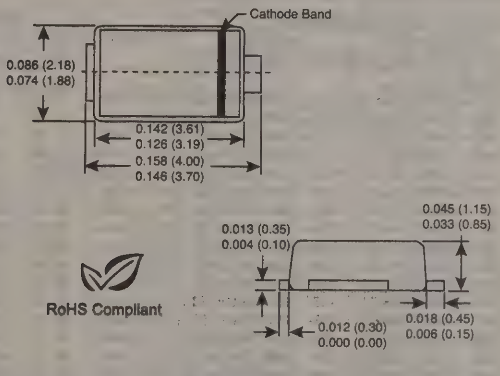
For quantities of 2000 and up, call for quote.

Series	Type	Voltage Range	Price Each			
			1	100	500	1000
SMAJ	Unidirectional	5.0 - 170	.23	.20	.17	.14
SMAJ	Bidirectional	5.0 - 170	.25	.21	.18	.15
SMAJ	Unidirectional	530 - 550	.34	.28	.24	.20
TPSMP	Unidirectional	6.8 - 7.5	.17	.14	.12	.10
TPSMP	Unidirectional	13 - 43	.24	.20	.17	.14
SMBJ	Unidirectional	3.3 - 8.0	.28	.23	.20	.17
SMBJ	Bidirectional	5.0 - 8.0	.35	.29	.25	.21
SMBJ	Unidirectional	8.5 - 11	.24	.20	.17	.15
SMBJ	Bidirectional	8.5 - 11	.35	.29	.25	.21

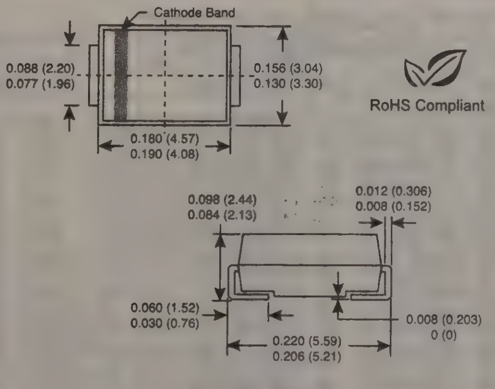
DIMENSIONS: in. (mm)



DO-214AC (SMA)



DO-220AA (SMP)



DO-214AA (SMB)

VISHAY Transient Voltage Suppressors

RoHS Compliant This page of product is compliant.

VISHAY SMBJ SERIES 600 WATT (CONT.)

MOUSER STOCK NO.		Package	VBR @ It			VRWM	IRSM	VRSM
Unidirectional	Bidirectional		(V) Min.	(V) Max.	(mA)	(V)	(A) Max.	(V) Max.
Mfr. Mfr. Part No.	Mfr. Mfr. Part No.							
Surface Mount								
625—SMBJ12A-E3	625—SMBJ12CA-E3	DO-214AA	13.30	14.70	1	12.00	30.2	19.9
625—SMBJ13A-E3	625—SMBJ13CA-E3	DO-214AA	14.40	15.90	1	13.00	27.9	21.5
625—SMBJ14A-E3	625—SMBJ14CA-E3	DO-214AA	15.60	17.20	1	14.00	25.9	23.2
625—SMBJ15A-E3	625—SMBJ15CA-E3	DO-214AA	16.70	18.50	1	15.00	24.6	24.4
625—SMBJ16A-E3	625—SMBJ16CA-E3	DO-214AA	17.80	19.70	1	16.00	23.1	26.0
625—SMBJ17A-E3	625—SMBJ17CA-E3	DO-214AA	18.90	20.90	1	17.00	21.7	27.6
625—SMBJ18A-E3	625—SMBJ18CA-E3	DO-214AA	20.00	22.10	1	18.00	20.5	29.2
625—SMBJ20A-E3	625—SMBJ20CA-E3	DO-214AA	22.20	24.50	1	20.00	18.5	32.4
625—SMBJ22A-E3	625—SMBJ22CA-E3	DO-214AA	24.40	26.90	1	22.00	16.9	35.5
625—SMBJ24A-E3	625—SMBJ24CA-E3	DO-214AA	26.70	29.50	1	24.00	15.4	38.9
625—SMBJ26A-E3	625—SMBJ26CA-E3	DO-214AA	28.90	31.90	1	26.00	14.3	42.1
625—SMBJ28A-E3	625—SMBJ28CA-E3	DO-214AA	31.10	34.40	1	28.00	13.2	45.4
625—SMBJ30A-E3	625—SMBJ30CA-E3	DO-214AA	33.30	36.80	1	30.00	12.4	48.4
625—SMBJ33A-E3	625—SMBJ33CA-E3	DO-214AA	36.70	40.60	1	33.00	11.3	53.3
625—SMBJ36A-E3	625—SMBJ36CA-E3	DO-214AA	40.00	44.20	1	36.00	10.3	58.1
625—SMBJ40A-E3	625—SMBJ40CA-E3	DO-214AA	44.40	49.10	1	40.00	9.3	64.5
625—SMBJ43A-E3	625—SMBJ43CA-E3	DO-214AA	47.80	52.80	1	43.00	8.6	69.4
625—SMBJ45A-E3	625—SMBJ45CA-E3	DO-214AA	50.00	55.30	1	45.00	8.3	72.7
625—SMBJ48A-E3	625—SMBJ48CA-E3	DO-214AA	53.30	58.90	1	48.00	7.8	77.4
625—SMBJ51A-E3	625—SMBJ51CA-E3	DO-214AA	56.70	62.70	1	51.00	7.3	82.4
625—SMBJ54A-E3	625—SMBJ54CA-E3	DO-214AA	60.00	66.30	1	54.00	6.9	87.1
625—SMBJ58A-E3	625—SMBJ58CA-E3	DO-214AA	64.40	71.20	1	58.00	6.4	93.6
625—SMBJ60A-E3	625—SMBJ60CA-E3	DO-214AA	66.70	73.70	1	60.00	6.2	96.8
625—SMBJ64A-E3	625—SMBJ64CA-E3	DO-214AA	71.10	78.60	1	64.00	5.8	103.0
625—SMBJ70A-E3	625—SMBJ70CA-E3	DO-214AA	77.80	86.00	1	70.00	5.3	113.0
625—SMBJ75A-E3	625—SMBJ75CA-E3	DO-214AA	83.30	92.10	1	75.00	5.0	121.0
625—SMBJ78A-E3	625—SMBJ78CA-E3	DO-214AA	86.70	95.80	1	78.00	4.8	126.0
625—SMBJ85A-E3	625—SMBJ85CA-E3	DO-214AA	94.40	104.00	1	85.00	4.4	137.0
625—SMBJ90A-E3	625—SMBJ90CA-E3	DO-214AA	100.00	111.00	1	90.00	4.1	146.0
625—SMBJ100A-E3	625—SMBJ100CA-E3	DO-214AA	111.00	123.00	1	100.00	3.7	162.0
625—SMBJ110A-E3	625—SMBJ110CA-E3	DO-214AA	122.00	135.00	1	110.00	3.4	177.0
625—SMBJ120A-E3	625—SMBJ120CA-E3	DO-214AA	133.00	147.00	1	120.00	3.1	193.0
625—SMBJ130A-E3	625—SMBJ130CA-E3	DO-214AA	144.00	159.00	1	130.00	2.9	209.0
625—SMBJ150A-E3	625—SMBJ150CA-E3	DO-214AA	167.00	185.00	1	150.00	2.5	243.0
625—SMBJ160A-E3	625—SMBJ160CA-E3	DO-214AA	178.00	197.00	1	160.00	2.3	259.0
625—SMBJ170A-E3	625—SMBJ170CA-E3	DO-214AA	189.00	209.00	1	170.00	2.2	275.0
625—SMBJ188A-E3	625—SMBJ188CA-E3	DO-214AA	209.00	231.00	1	188.00	2.0	328.0

VISHAY SM6T SERIES 600 WATT

MOUSER STOCK NO.		Package	VBR @ It			VRWM	IRSM	VRSM
Unidirectional	Bidirectional		(V) Min.	(V) Max.	(mA)	(V)	(A) Max.	(V) Max.
Mfr. Mfr. Part No.	Mfr. Mfr. Part No.							
Surface Mount								
625—SM6T6V8A-E3	625—SM6T6V8CA-E3	DO-214AA	6.45	7.14	10	5.80	57.0	10.5
625—SM6T7V5A-E3	625—SM6T7V5CA-E3	DO-214AA	7.13	7.88	10	6.40	53.0	11.3
625—SM6T10A-E3	625—SM6T10CA-E3	DO-214AA	9.50	10.50	1	8.55	41.0	14.5
625—SM6T12A-E3	625—SM6T12CA-E3	DO-214AA	11.40	12.60	1	10.20	36.0	16.7
625—SM6T15A-E3	625—SM6T15CA-E3	DO-214AA	14.30	15.80	1	12.80	28.0	21.2
625—SM6T18A-E3	625—SM6T18CA-E3	DO-214AA	17.10	18.90	1	15.30	24.0	25.2
625—SM6T22A-E3	625—SM6T22CA-E3	DO-214AA	20.90	23.10	1	18.80	20.0	30.6
625—SM6T24A-E3	625—SM6T24CA-E3	DO-214AA	22.80	25.20	1	20.50	18.0	33.2
625—SM6T27A-E3	625—SM6T27CA-E3	DO-214AA	25.70	28.40	1	23.10	16.0	37.5
625—SM6T30A-E3	625—SM6T30CA-E3	DO-214AA	28.50	31.50	1	25.60	14.5	41.5
625—SM6T33A-E3	625—SM6T33CA-E3	DO-214AA	31.40	34.70	1	28.20	13.1	45.7
625—SM6T36A-E3	625—SM6T36CA-E3	DO-214AA	34.20	37.80	1	30.80	12.0	49.9
625—SM6T39A-E3	625—SM6T39CA-E3	DO-214AA	37.10	41.00	1	33.30	11.1	53.9
625—SM6T68A-E3	625—SM6T68CA-E3	DO-214AA	64.60	71.40	1	58.10	6.5	92.0
625—SM6T100A-E3	625—SM6T100CA-E3	DO-214AA	95.00	105.00	1	85.50	4.4	137.0
625—SM6T150A-E3	625—SM6T150CA-E3	DO-214AA	143.00	158.00	1	128.00	2.9	207.0
625—SM6T200A-E3	625—SM6T200CA-E3	DO-214AA	190.00	210.00	1	171.00	2.2	274.0
625—SM6T220A-E3	625—SM6T220CA-E3	DO-214AA	209.00	231.00	1	188.00	2.0	328.0

VISHAY SMCJ SERIES 1500 WATT

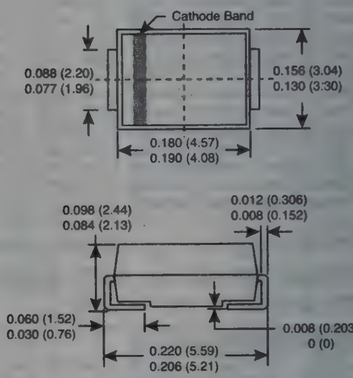
MOUSER STOCK NO.		Package	VBR @ It			VRWM	IRSM	VRSM
Unidirectional	Bidirectional		(V) Min.	(V) Max.	(mA)	(V)	(A) Max.	(V) Max.
Mfr. Mfr. Part No.	Mfr. Mfr. Part No.							
cSurface Mount								
625—SMCJ5.0A-E3	625—SMCJ5.0CA-E3	DO-214AB	6.40	7.07	10	5.00	163.0	9.2
625—SMCJ6.0A-E3	625—SMCJ6.0CA-E3	DO-214AB	6.67	7.37	10	6.00	145.6	10.3
625—SMCJ6.5A-E3	625—SMCJ6.5CA-E3	DO-214AB	7.22	7.98	10	6.50	133.9	11.2
625—SMCJ7.0A-E3	625—SMCJ7.0CA-E3	DO-214AB	7.78	8.60	10	7.00	125.0	12.0
625—SMCJ7.5A-E3	625—SMCJ7.5CA-E3	DO-214AB	8.33	9.21	1	7.50	116.3	12.9
625—SMCJ8.0A-E3	625—SMCJ8.0CA-E3	DO-214AB	8.89	9.83	1	8.00	110.3	13.6
625—SMCJ8.5A-E3	625—SMCJ8.5CA-E3	DO-214AB	9.44	10.40	1	8.50	104.2	14.4
625—SMCJ9.0A-E3	625—SMCJ9.0CA-E3	DO-214AB	10.00	11.10	1	9.00	97.4	15.4
625—SMCJ10A-E3	625—SMCJ10CA-E3	DO-214AB	11.10	12.30	1	10.00	88.2	17.0
625—SMCJ11A-E3	625—SMCJ11CA-E3	DO-214AB	12.20	13.50	1	11.00	82.4	18.2
625—SMCJ12A-E3	625—SMCJ12CA-E3	DO-214AB	13.30	14.70	1	12.00	75.4	19.9
625—SMCJ13A-E3	625—SMCJ13CA-E3	DO-214AB	14.40	15.90	1	13.00	69.8	21.5
625—SMCJ14A-E3	625—SMCJ14CA-E3	DO-214AB	15.60	17.20	1	14.00	64.7	23.2
625—SMCJ15A-E3	625—SMCJ15CA-E3	DO-214AB	16.70	18.50	1	15.00	61.5	24.4
625—SMCJ16A-E3	625—SMCJ16CA-E3	DO-214AB	17.80	19.70	1	16.00	57.7	26.0
625—SMCJ17A-E3	625—SMCJ17CA-E3	DO-214AB	18.90	20.90	1	17.00	54.3	27.6

For quantities of 2000 and up, call for quote.

Series	Type	Voltage Range	Price Each			
			1	100	500	1000
SMBJ	Unidirectional	12 - 188	.24	.20	.17	.15
SMBJ	Bidirectional	12 - 188	.35	.29	.25	.21
SM6T	Unidirectional	6.8 - 7.5	.28	.23	.20	.17
SM6T	Bidirectional	6.8 - 7.5	.35	.29	.25	.21
SM6T	Unidirectional	10	.28	.23	.20	.17
SM6T	Bidirectional	10	.35	.29	.25	.21
SM6T	Unidirectional	12 - 220	.51	.42	.36	.30
SM6T	Bidirectional	12 - 220	.35	.29	.25	.21
SMCJ	Unidirectional	5.0 - 8.0	.51	.42	.36	.30
SMCJ	Bidirectional	5.0 - 8.0	.67	.57	.49	.40
SMCJ	Unidirectional	8.5 - 17	.51	.42	.36	.30
SMCJ	Bidirectional	8.5 - 17	.67	.57	.49	.40

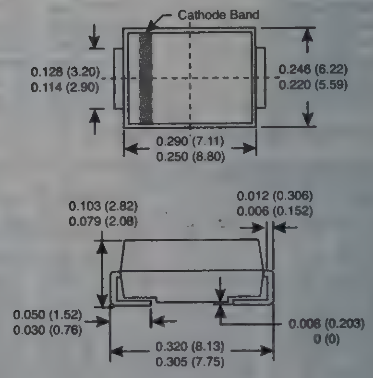
DIMENSIONS: in.

RoHS Compliant



DO-214AA (SMB)

RoHS Compliant



DO-214AB (SMC)

VISHAY Transient Voltage Suppressors

RoHS Compliant **This page of product is compliant.**

VISHAY SMCJ SERIES 1500 WATT (CONT.)

MOUSER STOCK NO.				Package	VBR @ It			VRWM	IRSM	VRSM
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)	(V)	(A) Max.	(V) Max.
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Surface Mount										
625	SMCJ18A-E3	625	SMCJ18CA-E3	DO-214AB	20.00	22.10	1	18.00	51.4	29.2
625	SMCJ20A-E3	625	SMCJ20CA-E3	DO-214AB	22.20	24.50	1	20.00	46.3	32.4
625	SMCJ22A-E3	625	SMCJ22CA-E3	DO-214AB	24.40	26.90	1	22.00	42.3	35.5
625	SMCJ24A-E3	625	SMCJ24CA-E3	DO-214AB	26.70	29.50	1	24.00	38.6	38.9
625	SMCJ26A-E3	625	SMCJ26CA-E3	DO-214AB	28.90	31.90	1	26.00	35.6	42.1
625	SMCJ30A-E3	625	SMCJ30CA-E3	DO-214AB	33.30	36.80	1	30.00	31.0	48.4
625	SMCJ33A-E3	625	SMCJ33CA-E3	DO-214AB	36.70	40.60	1	33.00	28.1	53.3
625	SMCJ36A-E3	625	SMCJ36CA-E3	DO-214AB	40.00	44.20	1	36.00	25.8	58.1
625	SMCJ40A-E3	625	SMCJ40CA-E3	DO-214AB	44.40	49.10	1	40.00	23.3	64.5
625	SMCJ28A-E3	625	SMCJ28CA-E3	DO-214AB	31.10	34.40	1	28.00	33.0	45.4
625	SMCJ43A-E3	625	SMCJ43CA-E3	DO-214AB	47.80	52.80	1	43.00	21.6	69.4
625	SMCJ45A-E3	625	SMCJ45CA-E3	DO-214AB	50.00	55.30	1	45.00	20.6	72.7
625	SMCJ48A-E3	625	SMCJ48CA-E3	DO-214AB	53.30	58.90	1	48.00	19.4	77.4
625	SMCJ51A-E3	625	SMCJ51CA-E3	DO-214AB	56.70	62.70	1	51.00	18.2	82.4
625	SMCJ54A-E3	625	SMCJ54CA-E3	DO-214AB	60.00	66.30	1	54.00	17.2	87.1
625	SMCJ58A-E3	625	SMCJ58CA-E3	DO-214AB	64.40	71.20	1	58.00	16.0	93.0
625	SMCJ60A-E3	625	SMCJ60CA-E3	DO-214AB	66.70	73.70	1	60.00	15.5	96.0
625	SMCJ64A-E3	625	SMCJ64CA-E3	DO-214AB	71.10	78.60	1	64.00	14.6	103.0
625	SMCJ51A-E3	625	SMCJ51CA-E3	DO-214AB	56.70	62.70	1	51.00	18.2	82.4
625	SMCJ54A-E3	625	SMCJ54CA-E3	DO-214AB	60.00	66.30	1	54.00	17.2	87.1
625	SMCJ58A-E3	625	SMCJ58CA-E3	DO-214AB	64.40	71.20	1	58.00	16.0	93.0
625	SMCJ60A-E3	625	SMCJ60CA-E3	DO-214AB	66.70	73.70	1	60.00	15.5	96.0
625	SMCJ64A-E3	625	SMCJ64CA-E3	DO-214AB	71.10	78.60	1	64.00	14.6	103.0
625	SMCJ70A-E3	625	SMCJ70CA-E3	DO-214AB	77.80	86.00	1	70.00	13.3	113.0
625	SMCJ75A-E3	625	SMCJ75CA-E3	DO-214AB	83.30	92.10	1	75.00	12.4	121.0
625	SMCJ78A-E3	625	SMCJ78CA-E3	DO-214AB	86.70	95.80	1	78.00	11.9	126.0
625	SMCJ85A-E3	625	SMCJ85CA-E3	DO-214AB	94.40	104.00	1	85.00	10.9	137.0
625	SMCJ90A-E3	625	SMCJ90CA-E3	DO-214AB	100.00	111.00	1	90.00	10.3	146.0
625	SMCJ100A-E3	625	SMCJ100CA-E3	DO-214AB	111.00	123.00	1	100.00	9.3	162.0
625	SMCJ110A-E3	625	SMCJ110CA-E3	DO-214AB	122.00	135.00	1	110.00	8.5	177.0
625	SMCJ120A-E3	625	SMCJ120CA-E3	DO-214AB	133.00	147.00	1	120.00	7.8	193.0
625	SMCJ130A-E3	625	SMCJ130CA-E3	DO-214AB	144.00	159.00	1	130.00	7.2	209.0
625	SMCJ150A-E3	625	SMCJ150CA-E3	DO-214AB	167.00	185.00	1	150.00	6.2	243.0
625	SMCJ160A-E3	625	SMCJ160CA-E3	DO-214AB	178.00	197.00	1	160.00	5.8	259.0
625	SMCJ170A-E3	625	SMCJ170CA-E3	DO-214AB	189.00	209.00	1	170.00	5.5	275.0
625	SMCJ188A-E3	625	SMCJ188CA-E3	DO-214AB	209.00	231.00	1	188.00	4.6	328.0

VISHAY SM15T SERIES 1500 WATT

MOUSER STOCK NO.				Package	VBR @ It			VRWM	IRSM	VRSM
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)	(V)	(A) Max.	(V) Max.
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Surface Mount										
625	SM15T10A-E3	625	SM15T10CA-E3	DO-214AB	9.50	10.50	1	8.55	103.0	14.5
625	SM15T12A-E3	625	SM15T12CA-E3	DO-214AB	11.40	12.60	1	10.20	90.0	16.7
625	SM15T15A-E3	625	SM15T15CA-E3	DO-214AB	14.30	15.80	1	12.80	71.0	21.2
625	SM15T18A-E3	625	SM15T18CA-E3	DO-214AB	17.10	18.90	1	15.30	59.5	25.2
625	SM15T22A-E3	625	SM15T22CA-E3	DO-214AB	20.90	23.10	1	18.80	49.0	30.6
625	SM15T24A-E3	625	SM15T24CA-E3	DO-214AB	22.80	25.20	1	20.50	45.0	33.2
625	SM15T27A-E3	625	SM15T27CA-E3	DO-214AB	25.70	28.40	1	23.10	40.0	37.5
625	SM15T30A-E3	625	SM15T30CA-E3	DO-214AB	28.50	31.50	1	25.60	36.0	41.5
625	SM15T33A-E3	625	SM15T33CA-E3	DO-214AB	31.40	34.70	1	28.20	33.0	45.7
625	SM15T36A-E3	625	SM15T36CA-E3	DO-214AB	34.20	37.80	1	30.80	30.0	49.9
625	SM15T39A-E3	625	SM15T39CA-E3	DO-214AB	37.10	41.00	1	33.30	28.0	53.9
625	SM15T68A-E3	625	SM15T68CA-E3	DO-214AB	64.60	71.40	1	58.10	16.3	92.0

VISHAY SA SERIES 500 WATT

MOUSER STOCK NO.				Package	VBR @ It			VRWM	IRSM	VRSM
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)	(V)	(A) Max.	(V) Max.
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Thru-Hole										
625	SA5.0A-E3	625	SA5.0CA-E3	DO-204AC	6.40	7.00	10	5.00	54.3	9.2
625	SA6.0A-E3	625	SA6.0CA-E3	DO-204AC	6.67	7.37	10	6.00	48.5	10.3
625	SA6.5A-E3	625	SA6.5CA-E3	DO-204AC	7.22	7.98	10	6.50	44.7	11.2
625	SA10A-E3	625	SA10CA-E3	DO-204AC	11.10	12.30	1	10.00	29.4	17.0
625	SA11A-E3	625	SA11CA-E3	DO-204AC	12.20	13.50	1	11.00	27.5	18.2
625	SA12A-E3	625	SA12CA-E3	DO-204AC	13.30	14.70	1	12.00	25.1	19.9
625	SA13A-E3	625	SA13CA-E3	DO-204AC	14.40	15.90	1	13.00	23.3	21.5
625	SA15A-E3	625	SA15CA-E3	DO-204AC	16.70	18.50	1	15.00	20.5	24.4
625	SA20A-E3	625	SA20CA-E3	DO-204AC	22.20	24.50	1	20.00	15.4	32.4
625	SA22A-E3	625	SA22CA-E3	DO-204AC	24.40	26.90	1	22.00	14.1	35.5
625	SA24A-E3	625	SA24CA-E3	DO-204AC	26.70	29.50	1	24.00	12.9	38.9
625	SA28A-E3	625	SA28CA-E3	DO-204AC	31.10	34.40	1	28.00	11.0	45.4
625	SA30A-E3	625	SA30CA-E3	DO-204AC	33.30	36.80	1	30.00	10.0	48.4
625	SA33A-E3	625	SA33CA-E3	DO-204AC	36.70	40.60	1	33.00	9.4	53.3
625	SA36A-E3	625	SA36CA-E3	DO-204AC	40.00	44.20	1	36.00	8.6	58.1
625	SA75A-E3	625	SA75CA-E3	DO-204AC	83.30	92.10	1	75.00	4.1	121.0

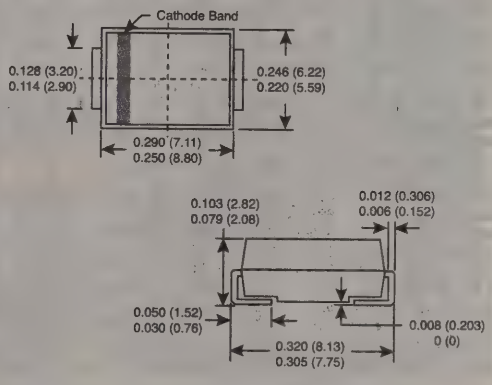
VISHAY SAC SERIES 500 WATT (LOW CAPACITANCE)

MOUSER STOCK NO.				Package	$V_{(BR)}$ (V) Min.	I_o Max. (µA)	V_c Max. (V)	I_{pp} Max. (A)	V_{WIB} Max. (A)	V_{PIB} Max. (V)
Unidirectional		Bidirectional								
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Thru-Hole										
625	SAC5.0-E3	-----------		DO-204AC	7.60	300.0	10.0	44.0	75	100
625	SAC6.0-E3	-----------		DO-204AC	7.90	300.0	11.2	41.0	75	100
625	SAC7.0-E3	-----------		DO-204AC	8.33	300.0	12.6	38.0	75	100
625	SAC8.0-E3	-----------		DO-204AC	8.89	100.0	13.4	36.0	75	100
625	SAC8.5-E3	-----------		DO-204AC	9.44	50.0	14.0	34.0	75	100
625	SAC10-E3	-----------		DO-204AC	11.10	5.0	16.3	29.0	75	100

For quantities of 2000 and up, call for quote.

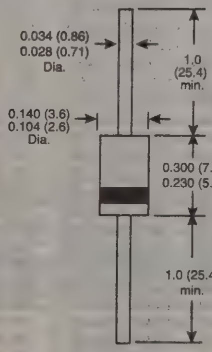
Series	Type	Voltage Range	Price Each			
			1	100	500	1000
SMCJ	Unidirectional	18 - 20	.51	.42	.36	.30
SMCJ	Bidirectional	18 - 20	.67	.57	.49	.40
SMCJ	Unidirectional	22 - 26	.51	.42	.36	.30
SMCJ	Bidirectional	22 - 26	.67	.57	.49	.40
SMCJ	Unidirectional	30 - 188	.51	.42	.36	.30
SMCJ	Bidirectional	30 - 188	.67	.57	.49	.40
SM15T	Unidirectional	10 - 22	.51	.42	.36	.30
SM15T	Bidirectional	10 - 22	.67	.57	.49	.40
SM15T	Unidirectional	24 - 68	.51	.42	.36	.30
SM15T	Bidirectional	24 - 68	.67	.57	.49	.40
SA	Unidirectional	5.0 - 75	.32	.27	.23	.19
SA	Bidirectional	5.0 - 75	.35	.29	.25	.21
SAC	Unidirectional	5.0 - 10	.36	.30	.26	.22

DIMENSIONS: in.



RoHS Compliant

DO-214AB (SMC)



RoHS Compliant

DO-204AC (DO-15)

VISHAY Transient Voltage Suppressors

RoHS Compliant This page of product is compliant.

VISHAY SAC SERIES 500 WATT (LOW CAPACITANCE) (CONT.)

RoHS Compliant

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Thru-Hole										
625	SAC12-E3	-----------		DO-204AC	13.30	5.0	19.0	25.0	75	100
625	SAC15-E3	-----------		DO-204AC	16.70	5.0	23.6	20.0	75	100
625	SAC18-E3	-----------		DO-204AC	20.00	5.0	28.8	15.0	75	100
625	SAC22-E3	-----------		DO-204AC	24.40	5.0	35.4	14.0	75	100
625	SAC26-E3	-----------		DO-204AC	28.90	5.0	42.3	11.1	75	100
625	SAC30-E3	-----------		DO-204AC	33.30	5.0	48.6	10.0	75	100
625	SAC36-E3	-----------		DO-204AC	40.00	5.0	60.0	8.6	75	100
625	SAC45-E3	-----------		DO-204AC	50.00	5.0	77.0	6.8	150	200
625	SAC50-E3	-----------		DO-204AC	55.50	5.0	88.0	5.8	150.0	200

For quantities of 2000 and up, call for quote.

Series	Type	Voltage Range	Price Each			
			1	100	500	1000
SAC	Unidirectional	12 - 50	.36	.30	.26	.22
P6KE	Unidirectional	6.8 - 9.1	.31	.26	.22	.18
P6KE	Bidirectional	6.8 - 9.1	.32	.27	.23	.19
P6KE	Unidirectional	10 - 22	.22	.19	.16	.13
P6KE	Bidirectional	10 - 22	.32	.27	.23	.19
P6KE	Unidirectional	24 - 220	.22	.19	.16	.13
P6KE	Bidirectional	24 - 220	.36	.30	.26	.21
1.5KE	Unidirectional	6.8 - 9.1	.58	.49	.42	.35
1.5KE	Bidirectional	6.8 - 9.1	.60	.51	.44	.36
1.5KE	Unidirectional	10 - 22	.46	.39	.33	.28
1.5KE	Bidirectional	10 - 22	.60	.51	.44	.36
1.5KE	Unidirectional	24 - 220	.46	.39	.33	.28
1.5KE	Bidirectional	24 - 220	.68	.57	.49	.41
1.5KE	Unidirectional	300	.78	.65	.56	.47
1.5KE	Bidirectional	300	1.20	1.01	.86	.72

VISHAY P6KE SERIES 600 WATT

RoHS Compliant

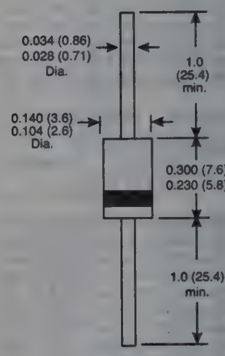
MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Thru-Hole										
625	P6KE6.8A-E3	625	P6KE6.8CA-E3	DO-204AC	6.45	7.14	10	5.80	57.4	10.5
625	P6KE7.5A-E3	625	P6KE7.5CA-E3	DO-204AC	7.13	7.88	1	6.40	53.1	11.3
625	P6KE8.2A-E3	625	P6KE8.2CA-E3	DO-204AC	7.79	8.61	1	7.02	49.6	12.1
625	P6KE9.1A-E3	625	P6KE9.1CA-E3	DO-204AC	8.65	9.55	1	7.78	44.8	13.4
625	P6KE10A-E3	625	P6KE10CA-E3	DO-204AC	9.50	10.50	1	8.55	41.4	14.5
625	P6KE12A-E3	625	P6KE12CA-E3	DO-204AC	11.40	12.60	1	10.20	35.9	16.7
625	P6KE13A-E3	625	P6KE13CA-E3	DO-204AC	12.40	13.70	1	11.10	33.0	18.2
625	P6KE15A-E3	625	P6KE15CA-E3	DO-204AC	14.30	15.80	1	12.80	28.3	21.2
625	P6KE16A-E3	625	P6KE16CA-E3	DO-204AC	15.20	16.80	1	13.60	26.7	22.5
625	P6KE18A-E3	625	P6KE18CA-E3	DO-204AC	17.10	18.90	1	15.30	23.8	25.2
625	P6KE20A-E3	625	P6KE20CA-E3	DO-204AC	19.00	21.00	1	17.10	21.7	27.7
625	P6KE22A-E3	625	P6KE22CA-E3	DO-204AC	20.90	23.10	1	18.80	19.6	30.6
625	P6KE24A-E3	625	P6KE24CA-E3	DO-204AC	22.80	25.20	1	20.50	18.1	33.2
625	P6KE27A-E3	625	P6KE27CA-E3	DO-204AC	25.70	28.40	1	23.10	16.0	37.5
625	P6KE30A-E3	625	P6KE30CA-E3	DO-204AC	28.50	31.50	1	25.60	14.5	41.4
625	P6KE33A-E3	625	P6KE33CA-E3	DO-204AC	31.40	34.70	1	26.20	13.1	45.7
625	P6KE36A-E3	625	P6KE36CA-E3	DO-204AC	34.20	37.80	1	30.80	12.0	49.9
625	P6KE39A-E3	625	P6KE39CA-E3	DO-204AC	37.10	41.00	1	33.30	11.1	53.9
625	P6KE47A-E3	625	P6KE47CA-E3	DO-204AC	44.70	49.40	1	40.20	9.3	64.8
625	P6KE51A-E3	625	P6KE51CA-E3	DO-204AC	48.50	53.60	1	43.60	8.6	70.1
625	P6KE68A-E3	625	P6KE68CA-E3	DO-204AC	64.60	71.40	1	58.10	6.5	92.0
625	P6KE100A-E3	625	P6KE100CA-E3	DO-204AC	95.00	105.00	1	85.50	4.4	137.0
625	P6KE150A-E3	625	P6KE150CA-E3	DO-204AC	143.00	158.00	1	128.00	2.9	207.0
625	P6KE200A-E3	625	P6KE200CA-E3	DO-204AC	190.00	210.00	1	171.00	2.2	274.0
625	P6KE220A-E3	625	P6KE220CA-E3	DO-204AC	209.00	231.00	1	185.00	1.8	328.0

VISHAY 1.5KE SERIES 1500 WATT

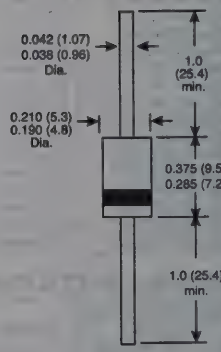
RoHS Compliant

MOUSER STOCK NO.				Package	VBR @ It			VRWM (V)	IRSM (A) Max.	VRSM (V) Max.
Unidirectional		Bidirectional			(V) Min.	(V) Max.	(mA)			
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.							
Thru-Hole										
625	1.5KE6.8A-E3	625	1.5KE6.8CA-E3	GP-20	6.45	7.14	10	5.80	143.0	10.5
625	1.5KE7.5A-E3	625	1.5KE7.5CA-E3	GP-20	7.13	7.88	10	6.40	133.0	11.3
625	1.5KE8.2A-E3	625	1.5KE8.2CA-E3	GP-20	7.79	8.61	10	7.02	124.0	12.1
625	1.5KE9.1A-E3	625	1.5KE9.1CA-E3	GP-20	8.65	9.55	1	7.78	112.0	13.4
625	1.5KE10A-E3	625	1.5KE10CA-E3	GP-20	9.50	10.50	1	8.55	103.0	14.5
625	1.5KE12A-E3	625	1.5KE12CA-E3	GP-20	11.40	12.60	1	10.20	89.9	16.7
625	1.5KE13A-E3	625	1.5KE13CA-E3	GP-20	12.40	13.70	1	11.10	82.4	18.2
625	1.5KE15A-E3	625	1.5KE15CA-E3	GP-20	14.30	15.80	1	12.80	70.8	21.2
625	1.5KE16A-E3	625	1.5KE16CA-E3	GP-20	15.20	16.80	1	13.60	66.7	22.5
625	1.5KE18A-E3	625	1.5KE18CA-E3	GP-20	17.10	18.90	1	15.30	59.5	26.2
625	1.5KE20A-E3	625	1.5KE20CA-E3	GP-20	19.00	21.00	1	17.10	54.2	27.7
625	1.5KE22A-E3	625	1.5KE22CA-E3	GP-20	20.90	23.10	1	18.80	49.0	30.6
625	1.5KE24A-E3	625	1.5KE24CA-E3	GP-20	22.80	25.20	1	20.50	45.2	33.2
625	1.5KE27A-E3	625	1.5KE27CA-E3	GP-20	25.70	28.40	1	23.10	40.0	37.5
625	1.5KE30A-E3	625	1.5KE30CA-E3	GP-20	28.50	31.50	1	25.60	36.2	41.4
625	1.5KE33A-E3	625	1.5KE33CA-E3	GP-20	31.40	34.70	1	28.20	32.8	45.7
625	1.5KE36A-E3	625	1.5KE36CA-E3	GP-20	34.20	37.80	1	30.80	30.1	49.9
625	1.5KE39A-E3	625	1.5KE39CA-E3	GP-20	37.10	41.00	1	33.30	27.8	53.9
625	1.5KE43A-E3	625	1.5KE43CA-E3	GP-20	40.90	45.20	1	36.80	25.3	59.3
625	1.5KE51A-E3	625	1.5KE51CA-E3	GP-20	48.50	53.60	1	43.60	21.4	70.1
625	1.5KE62A-E3	625	1.5KE62CA-E3	GP-20	58.90	65.10	1	53.00	17.6	85.0
625	1.5KE68A-E3	625	1.5KE68CA-E3	GP-20	64.60	71.40	1	58.10	16.3	92.0
625	1.5KE100A-E3	625	1.5KE100CA-E3	GP-20	95.00	105.00	1	85.50	10.9	137.0
625	1.5KE120A-E3	625	1.5KE120CA-E3	GP-20	114.00	126.00	1	102.00	9.1	165.0
625	1.5KE150A-E3	625	1.5KE150CA-E3	GP-20	143.00	158.00	1	128.00	7.2	207.0
625	1.5KE180A-E3	625	1.5KE180CA-E3	GP-20	171.00	189.00	1	154.00	6.1	246.0
625	1.5KE200A-E3	625	1.5KE200CA-E3	GP-20	190.00	210.00	1	171.00	5.5	274.0
625	1.5KE220A-E3	625	1.5KE220CA-E3	GP-20	209.00	231.00	1	185.00	4.6	328.0
625	1.5KE300A-E3	625	1.5KE300CA-E3	GP-20	285.00	315.00	1	256.00	3.6	414.0

DIMENSIONS: In.



DO-204AC (DO-15)



1.5KE (GP-20)

PASSIVES, CIRCUIT PROTECTION SECTION GUIDE

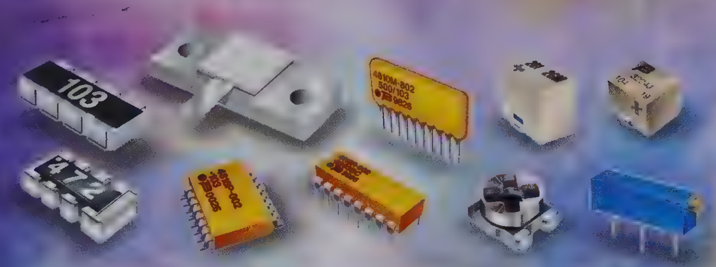
Section Pages : 477 - 870

Sponsored by:

BOURNS®

Reliable Electronic Solutions

Your Source for Reliable Electronic Solutions

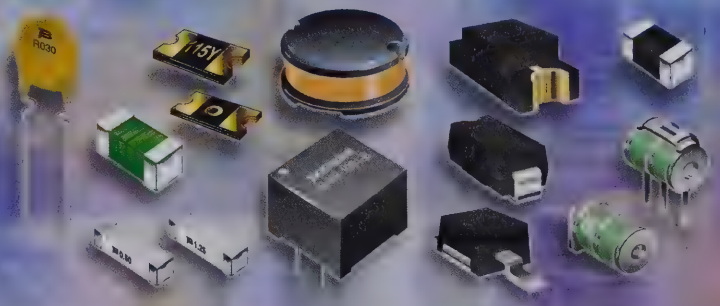


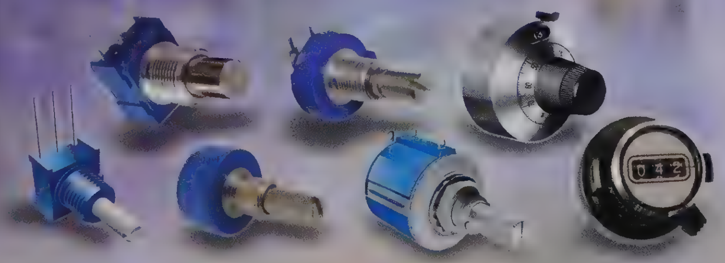
Resistive Products

- *Chip Resistors & Arrays, Pgs. 519-522*
- *Power Resistors, Pg. 540*
- *Resistor Networks, Pgs. 519-522*
- *Trimmers, Pgs. 585-590, 599-601*

Circuit Protection Products

- *Gas Discharge Tubes, Pgs. 486-487*
- *Magnetics, Pgs. 822-829*
- *Resettable Fuses, Pg. 495*





Sensors & Controls Products

- *Panel Controls, Pgs. 567-568*
- *Precision Controls, Pgs. 567-568*
- *Dials, Pg. 568*

For over 60 years, Bourns has been a leading global source for a wide range of technology-driven electronic components including resistive components, circuit protection devices, sensors, and controls. Bourns' outstanding quality products serve in a broad range of markets including the telecom, computer, industrial, automotive, consumer, medical industries, and more.

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser! For more information or to purchase Bourns products online, visit *www.mouser.com/bourns* today!

www.mouser.com/bourns (800) 346-6873

MOUSER ELECTRONICS®

a tti company

The Newest Products For Your Newest Designs

CIRCUIT PROTECTION

See Previous Pages for Sidactors, TVSs, and Thyristors.

Varistors

AVX . . . 479
Littelfuse . . . 480-482
Raychem . . . 483-484
Vishay/BC Components . . . 485

Gas Discharge Tubes

Bourns . . . 486-487
Littelfuse . . . 488
Raychem . . . 489
Xicon . . . 494

Thermal Protection

Murata . . . 490
Thermometrics . . . 491
Vishay/Dale . . . 492-493
Vishay/BC Components . . . 493
Xicon . . . 494

Resettable Fuses

Bourns . . . 495
Littelfuse . . . 496
Raychem . . . 497-500

Fuses & Fuse Holders

AEM . . . 501
Cooper/Bussmann . . . 502-506
Eagle Plastic Devices . . . 507-508
Keystone . . . 509
Littelfuse . . . 510-518
Raychem . . . 500
Vishay/Beyschlag . . . 492

RESISTORS

Networks and Arrays

Bourns . . . 519-521
KOA Speer . . . 522
Vishay/Sfernice . . . 524
Vishay/Thin Film . . . 523-524
Vishay/Dale . . . 525
Xicon . . . 525

Surface Mount

IRC/TTe . . . 526, 527
KOA Speer . . . 528-532
Vishay/Dale . . . 533-537
Vishay/Sfernice . . . 538
Vishay/ThinFilm . . . 538
Xicon . . . 539

Leaded

Bourns . . . 540
IRC/TTe . . . 541
KOA Speer . . . 542-543
Vishay/Dale . . . 544-546
Vishay/Sfernice . . . 546
Vishay/BC Components . . . 547
Xicon . . . 548-549

Power (Surface Mount and Leaded)

Arcol . . . 550-551
Bourns . . . 552
Caddock . . . 553-554
Ohmite . . . 555-563
Vishay/Dale . . . 535-537, 565
Vishay/Sfernice . . . 564-565

POTENTIOMETERS

Rheostats

Ohmite . . . 566

Precision Potentiometers and Dials

BI Technologies/TTe . . . 598
Bourns . . . 567-568
ETI Systems . . . 569-571
Ohmite . . . 566
Vishay/Sfernice . . . 572

Potentiometers

Alpha . . . 573-578
ALPS . . . 579
Bourns . . . 580-582
Piher . . . 583
Vishay/Sfernice . . . 584
Vishay/Spectrol . . . 583
Xicon . . . 575

Single-Turn Trimmers

BI Technologies/TTe . . . 598
Bourns . . . 585-590
Murata . . . 591-593
Piher . . . 594-595
Vishay/BC Components . . . 596
Vishay/Sfernice . . . 596-597
Vishay/Spectrol . . . 597

Multi-Turn Trimmers

BI Technologies/TTe . . . 598
Bourns . . . 599-601
Vishay/Sfernice . . . 602-603
Vishay/Spectrol . . . 603

CAPACITORS

Aluminum Surface Mount

Cornell Dubilier . . . 604
Nichicon . . . 605-606
United Chemi-Con . . . 607-608

Aluminum Polymer

Cornell Dubilier . . . 609
KEMET . . . 610
United Chemi-Con . . . 611-612
Vishay . . . 613

Aluminum Can Type

Cornell Dubilier . . . 614-616
Cornell Dubilier/Mallory . . . 617
United Chemi-Con . . . 618
Vishay/Sprague . . . 619
Xicon . . . 620

Supercapacitors

Cornell Dubilier . . . 621
Elna . . . 622
NEC-Tokin . . . 623

Aluminum Leaded

Nichicon . . . 624-629
United Chemi-Con . . . 622
Vishay/Sprague . . . 630-632
Xicon . . . 633-638

Capacitor Arrays

AVX . . . 639-640

Ceramic Surface Mount

AVX . . . 641-651
KEMET . . . 652-664
Murata . . . 665-678
Syfer . . . 679
TDK . . . 680-683
Vishay/Vitramon . . . 684-688
Xicon . . . 689

Ceramic Leaded

AVX . . . 690-693
KEMET . . . 694-698
Cornell Dubilier/Mallory . . . 699
Murata . . . 700-702
Vishay/Roederstein . . . 703
Vishay/Sprague . . . 703-704
Xicon . . . 705-706

Film Capacitors

AVX . . . 707-709
Cornell Dubilier . . . 710-712
Cornell Dubilier/Mallory . . . 711-713
EPCOS . . . 714-717
Evox Rifa . . . 718
Vishay/Roederstein . . . 719-720
Vishay/Sprague . . . 721-722
Wima . . . 723-724
Xicon . . . 725-727

Mica Capacitors

Cornell Dubilier . . . 728-729

Silicon Capacitors

Vishay . . . 730

Tantalum Surface Mount

AVX . . . 731-734
KEMET . . . 735-743
Vishay/Sprague . . . 744-748

Tantalum Leaded

AVX . . . 749
KEMET . . . 750-752
Vishay/Sprague . . . 753-754

Wet Tantalum

KEMET . . . 755
Vishay/Sprague . . . 756

Trimmers

Murata . . . 757
Sprague Goodman . . . 758-759
Xicon . . . 760

FREQUENCY CONTROL

Abracon . . . 761, 764-769
AVX . . . 770-771
Citizen . . . 762, 772-776
Crystek . . . 777-783
Ecliptek . . . 763
ECS . . . 784-788
FOX . . . 762, 789-790
Murata . . . 791
Vishay/Dale . . . 792-793

INDUCTORS, EMI/RFI SUPPRESSION, SIGNAL TRANSFORMERS

EMI Suppression

Fair-Rite . . . 794-795
FerriShield . . . 796-800
Gore . . . 801
Laird Technologies . . . 802-804
Murata . . . 805-809
Spectrum Control . . . 810
Steward . . . 811-814
Syfer . . . 815
TDK . . . 816-817
Vishay Dale . . . 818

Inductors

API Delevan . . . 819-821
Bourns . . . 822-823
J.W. Miller . . . 824-829
C&D Technologies . . . 830, 835
Coiltronics . . . 831-834
EPCOS . . . 836-837
Fastron . . . 838-839
Gowanda . . . 840
KEMET . . . 841-843
Murata . . . 844-848
Pulse . . . 849-850
Sumida . . . 851-853
Schurter . . . 854
TDK . . . 855-858
Triad . . . 859
Vishay/Dale . . . 860-865
Xicon . . . 866-867
Yageo . . . 867

Signal Transformers

Pulse . . . 868-869
Xicon . . . 870

AVX Varistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

AVX
A KYOCERA GROUP COMPANY

METAL OXIDE VARISTORS HEAVY DUTY APPLICATIONS ("P SERIES")

Features:

- "P Series" are especially dedicated to heavy duty applications encountered in the AC power network. Higher surge current and energy ratings provide an improved protection and a better reliability
- Radial lead varistors
- Operating voltage range from 130 V to 625 V (Vrms for VE types) or 205 V to 1000 V (V1mA for VF types)
- Available in tape and reel for use with automatic insertion equipment

* VE13: For models with $V_{RMS} \leq 320$ V other version/suffixes available with:
E = 5.08 (0.20) Suffix:
Ø = 0.6 (.024) Bulk: HB
D = 12.5 (.492) max Tape: DA, DB, DC, DD, DQ, ...

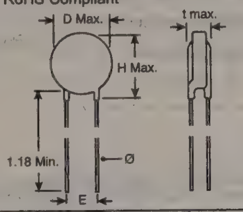
**VE24: For lead diameter = 1.0 (.039), please consult us.

Specifications:

- Storage temperature: -40°C to +125°C
- Max. operating temperature: +85°C
- Response time: < 25 ns
- Voltage coefficient temp.: lKl < 0.09%/°C
- Voltage proof: 2500 V
- Epoxy coating: Flame retardant UL94-VO
- Tolerance 10%

RoHS Compliant

File No.
E84108 (S)



DIMENSIONS: mm (in.)

Type	D		H max.	■ +10% –0.05 (.002)	E ± 0.8
	Ceramic Diameter	Maximum Coated Dia.			
VE07	5 (.196)	7 (.275)	10 (.394)	0.6 (.024)	5.08 (0.20)
VE09	7 (.275)	9 (.354)	12 (.472)	0.6 (.024)	5.08 (0.20)
VE13*	10 (.393)	13* (.512)	16 (.630)	0.8* (.031)	7.62*(0.30)
VE17	14 (.551)	17 (.669)	20 (.787)	0.8 (.031)	7.62 (0.30)
VE24**	20 (.787)	24 (.945)	27 (1.06)	0.8** (.031)	7.62 (0.30)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Maximum Operating Voltage		Maximum Clamping Voltage (8 x 20μs)		Energy (Joules) (10 x 1000μs) Number of Surges	Permissible Peak Current (8 x 20μs)		Typical Capacitance f = 1k Hz	Max. Thickness t	Mean Power Dissipation	Price Each			
		(Vrms)	(Vdc)	Vp (V)	Ip(A)	1 Surge	1 Surge	2 Surge	pF	mm (in.)	W	1	100	500	1000
581-VE09P00131K	VE09P00131K--	130	170	340	10	17.5	1750	1250	250	4.1 (0.161)	0.2	.17	.14	.13	.11
581-VE13P00131K	VE13P00131K--	130	170	340	25	35	3500	2500	450	4.7 (0.185)	0.4	.24	.20	.18	.16
581-VE17P00131K	VE17P00131K--	130	170	340	50	70	6000	4500	1000	4.7 (0.185)	0.6	.36	.30	.27	.24
581-VE24P00131K	VE24P00131K--	130	170	340	100	140	10000	7000	2500	5.1 (0.201)	0.8	.71	.59	.53	.47
581-VE07P00141K	VE07P00141K--	140	180	360	5	9	800	600	85	4.2 (0.165)	0.1	.28	.24	.21	.19
581-VE13P00141K	VE13P00141K--	140	180	360	25	39	3500	2500	425	4.8 (0.189)	0.4	.41	.35	.31	.28
581-VE07P00151K	VE07P00151K--	150	200	400	5	10.5	800	600	80	4.3 (0.169)	0.1	.17	.14	.13	.11
581-VE09P00151K	VE09P00151K--	150	200	400	10	21	1750	1250	220	4.3 (0.169)	0.2	.17	.14	.13	.11
581-VE13P00151K	VE13P00151K--	150	200	400	25	42	3500	2500	400	4.9 (0.193)	0.4	.24	.20	.18	.16
581-VE17P00151K	VE17P00151K--	150	200	400	50	85	6000	4500	850	4.9 (0.193)	0.6	.36	.30	.27	.24
581-VE24P00151K	VE24P00151K--	150	200	400	100	170	10000	7000	2000	5.3 (0.209)	0.8	.71	.59	.53	.47
581-VE07P01750K	VE07P01750K--	175	225	445	5	11	800	600	70	4.5 (0.177)	0.1	.28	.24	.21	.19
581-VE09P01750K	VE09P01750K--	175	225	445	10	24	1750	1250	190	4.5 (0.177)	0.2	.28	.24	.21	.19
581-VE13P01750K	VE13P01750K--	175	225	445	25	50	3500	2500	340	5.1 (0.201)	0.4	.41	.35	.31	.28
581-VE17P01750K	VE17P01750K--	175	225	445	50	100	6000	4500	750	5.1 (0.201)	0.6	.60	.50	.45	.40
581-VE24P01750K	VE24P01750K--	175	225	445	100	190	10000	7000	2000	5.5 (0.217)	0.8	1.20	1.00	.90	.80
581-VE07P00211K	VE07P00211K--	210	275	545	5	13	800	600	60	4.9 (0.193)	0.1	.29	.24	.22	.19
581-VE09P00211K	VE09P00211K--	210	275	545	10	28	1750	1250	155	4.9 (0.193)	0.2	.29	.24	.22	.19
581-VE13P00211K	VE13P00211K--	210	275	545	25	60	3500	2500	275	5.5 (0.217)	0.4	.45	.37	.34	.30
581-VE17P00211K	VE17P00211K--	210	275	545	50	115	6000	4500	600	5.5 (0.217)	0.6	.64	.53	.48	.42
581-VE24P00211K	VE24P00211K--	210	275	545	100	230	10000	7000	1650	5.9 (0.232)	0.8	1.24	1.04	.93	.83
581-VE24P00231K	VE24P00231K--	230	300	595	100	250	10000	70000	1500	6.1 (0.240)	0.8	1.24	1.04	.93	.83
581-VE07P00251K	VE07P00251K--	250	320	645	5	17	800	600	50	5.4 (0.213)	0.1	.17	.14	.13	.11
581-VE09P00251K	VE09P00251K--	250	320	645	10	35	1750	1250	130	5.4 (0.213)	0.2	.17	.14	.13	.11
581-VE13P00251K	VE13P00251K--	250	320	645	25	70	3500	2500	230	5.9 (0.232)	0.4	.26	.22	.20	.18
581-VE17P00251K	VE17P00251K--	250	320	645	50	140	6000	4500	500	5.9 (0.232)	0.6	.38	.31	.28	.25
581-VE24P00251K	VE24P00251K--	250	320	645	100	280	10000	7000	1300	6.3 (0.248)	0.8	.73	.61	.55	.49
581-VE07P02750K	VE07P02750K--	275	350	710	5	20	800	600	45	5.7 (0.224)	0.1	.17	.14	.13	.11
581-VE09P02750K	VE09P02750K--	275	350	710	10	40	1750	1250	120	5.7 (0.224)	0.2	.17	.14	.13	.11
581-VE13P02750K	VE13P02750K--	275	350	710	25	80	3500	2500	210	6.3 (0.248)	0.4	.26	.22	.20	.18
581-VE17P02750K	VE17P02750K--	275	350	710	50	160	6000	4500	450	6.3 (0.248)	0.6	.38	.31	.28	.25
581-VE24P02750K	VE24P02750K--	275	350	710	100	310	10000	7000	1200	6.7 (0.264)	0.8	.73	.61	.55	.49
581-VE07P00301K	VE07P00301K--	300	385	775	5	21	800	600	40	6.0 (0.236)	0.1	.29	.24	.22	.19
581-VE13P00301K	VE13P00301K--	300	385	775	25	85	3500	2500	180	6.6 (0.260)	0.4	.51	.43	.38	.34
581-VE17P00301K	VE17P00301K--	300	385	775	50	170	6000	4500	400	6.6 (0.260)	0.6	.68	.57	.51	.45
581-VE24P00301K	VE24P00301K--	300	385	775	100	340	10000	7000	1000	7.0 (0.276)	0.8	1.49	1.24	1.12	.99

AVX
A KYOCERA GROUP COMPANY

VE TYPE METAL OXIDE VARISTORS ("M SERIES")

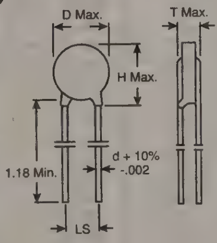
Applications:

- Transient suppression in automotive environments (such as ignition pulses, alternator field, mutual harness coupling, inductive load switching fan, heater and booster starts)
- Consumer appliances connected to 110 or 220 VAC lines
- Protection of expensive semiconductor components
- Protection of industrial equipment and motors endangered by AC line transients (computers, traffic controls, ground fault interrupters, etc.)
- Protection of equipment connected to telephone or signal lines, such as railroad and communications equipment, security and fire alarm systems
- Voltage regulation and ARC suppression across relay contacts
- Additional uses are found in instrumentation to protect input terminals from encountering destructive high voltages

Features:

- Superior response time of less than 25 ns
- Maximum clamping voltage up to 1350V
- Superior clamping characteristics
- Three different case sizes
- Voltage range from 48 through 510 VRMS
- Polycrystalline zinc oxide dielectric
- Standardized lead spacings
- Tolerance 10%

**VE24: For lead diameter = 1.0 (.039), please consult us.



RoHS Compliant

File No.
E84108 (S)

DIMENSIONS: mm (in.)

Type	D		H max.	ø +10% –0.05 (.002)	E ± 0.8
	Ceramic Diameter	Maximum Coated Dia.			
VE09	7 (.275)	9 (.354)	12 (.472)	0.6 (.024)	5.08 (0.20)
VE17	14 (.551)	17 (.669)	20 (.787)	0.8 (.031)	7.62 (0.30)
VE24**	20 (.787)	24 (.945)	27 (1.06)	0.8** (.031)	7.62 (0.30)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Maximum Operating Voltage (Vrms)	Maximum Clamping Voltage (8 x 20μs)		Energy (Joules) (10 x 1000μs) Number of Surges		Permissible Peak Current (8 x 20μs)	Typical Capacitance f = 1k Hz	Typical Power	Price Each			
			Vp (V)	Ip(A)	1	10	2 Surges	pF	Watts	1	100	500	1000
581-VE09030K	VE09M00300K	30	93	2.5	2	1	125	1050	0.02	.15	.13	.12	.10
581-VZA048XX	VE09M00480K	48	135	10	4	1.6	600	530	0.2	.26	.23	.21	.18
581-VZA075XX	VE09M00750K	75	200	10	5.9	1.8	600	400	0.2	.26	.23	.21	.18
581-VZA130XX	VE09M00131K	130	340	10	9.5	4	600	250	0.2	.14	.13	.12	.09
581-VZC130XX	VE17M00131K	130	340	50	34	25	2500	1000	0.6	.29	.27	.24	.19
581-VZD130XX	VE24M00131K	130	340	100	74	46	4000	2500	0.8	.59	.54	.49	.39
581-VZA150XX	VE09M00151K	150	400	10	11	4.1	600	220	0.2	.14	.13	.12	.09
581-VZC150XX	VE17M00151K	150	400	50	40	30	2500	850	0.6	.29	.27	.24	.19
581-VZD150XX	VE24M00151K	150	400	100	85	56	4000	2000	0.8	.59	.54	.49	.39
581-VZA250XX	VE09M00251K	250	645	10	19	7.3	600	130	0.2	.13	.12	.11	.09
581-VZC250XX	VE17M00251K	250	645	50	65	39	2500	500	0.6	.29	.27	.24	.19
581-VZA275XX	VE09M02750K	275	710	10	21	7.4	600	120	0.2	.13	.12	.11	.09
581-VZC275XX	VE17M02750K	275	710	50	71	40	2500	450	0.6	.29	.27	.24	.19
581-VZD275XX	VE24M02750K	275	710	100	151	105	4000	1200	0.8	.61	.56	.51	.41
581-VZD510XX	VE24M00511K	510	1350	100	190	150	4000	550	0.8	1.69	1.48	1.38	1.16

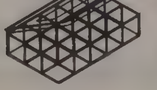
AVX
A KYOCERA GROUP COMPANY

METAL OXIDE VARISTOR KIT

The 30 piece kit contains 2 of the VZC Series, 2 of the VZD Series, 3 of the VZA Series, and 3 of the VZC Series. For a Customized Kit with other values, please contact a Mouser Customer Service Representative.

Contains:

3 each, VZA Series: 48, 130, 150 (Vrms)
3 each, VZC Series: 130, 150 (Vrms)
2 each, VZC Series: 250 (Vrms)
2 each, VZD Series: 130, 150, 275, 510 (Vrms)



For quantities greater than listed, call for quote.

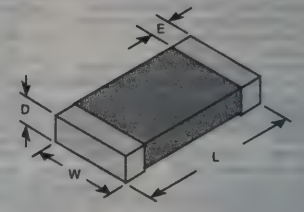
MOUSER STOCK NO.	Price Each
370-MOV-1	32.95

RoHS Compliant **This page of product is compliant.**

Littelfuse® SURFACE MOUNT ML SERIES VARISTORS

The ML Series family of Transient Voltage Surge Suppressions devices is based on the Littelfuse Multilayer fabrication technology.
These components are designed to suppress a variety of transient events, including those specified in IEC 61000-4-2 or other standards used for Electromagnetic Compliance (EMC).
The ML Series is typically applied to protect integrated circuits and other components at the circuit board level.

RoHS Compliant



Features:

- Leadless Chip Size: 0603, 0805, 1206 and 1210
- Multilayer Ceramic Construction Technology
- Operating Temperature Range: -55°C to +125°C
- Operating Voltage Range: V_M(DC) = 5.5V to 120V

Applications:

- Suppression of inductive switching or other transient events such as EFT
- Provides on-board transient voltage protection for ICs and transistors
- Used to help achieve electromagnetic compliance of end products
- Replace larger surface mount TVS Zeners in many applications

Chip Dimensions	1210		1206		0805		0603		0402	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
D Max.	0.113	2.87	0.071	1.8	0.043	1.1	0.035	0.9	0.024	0.9
E	.02 ± .01	.5 ± .25	.02 ± .01	.5 ± .25	.02 ± .01	.5 ± .25	.015 ± .008	.4 ± .2	.01 ± .006	.25 ± .15
L	.125 ± .012	3.2 ± .3	.125 ± .012	3.2 ± .3	.079 ± .008	2.01 ± .2	.063 ± .006	1.6 ± .15	.039 ± .004	1 ± .1
W	.1 ± .012	2.54 ± .3	.06 ± .011	1.6 ± .28	.049 ± .008	1.25 ± .2	.032 ± .06	.8 ± .15	.02 ± .004	.5 ± .1

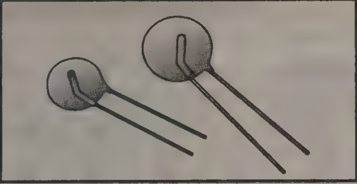
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package Size	Max. Ratings (125° C)						Specifications (25° C)			Price Each				Reel	
			Max. Cont. Working Volt.		Max. Non-repetitive Surge Curr. (8/20μs)	Max. Non-repetitive Surge Engy. (10/1000μs)	Max. Clamping Volt. (8/20μs)		Norm. Volt. at 1mADC Test Current		Typical Capacitance at f=1MHz						
Mfr.	Mfr. Part No.		$V_{M(DC)}$	$V_{M(AC)}$	I_{TM}	W_{TM}	V_C		$V_{N(DC)\ MIN.}$	$V_{N(DC)\ MAX.}$	C	1	10	100	250	Qty.	Ea.
			Volts	Volts	Amps	Joules	Volts	Amps	Volts	Volts	pF						
576—	V3.5MLA0603H	0603	3.5	2.5	30	0.1	13	1	3.7	7	1100	.37	.319	.276	.25	2,500	.226
576—	V3.5MLA0805LH	0805	3.5	2.5	40	0.1	13	1	3.7	7	1200	.46	.42	.31	.25	2,500	.24
576—	V3.5MLA1206H	1206	3.5	2.5	100	0.3	13	1	3.7	70	6000	.59	.57	.51	.49	2,500	.46
576—	V3.5MLA0805H	0805	3.5	2.5	120	0.3	13	1	3.7	7	2200	.46	.42	.31	.25	2,500	.17
576—	V5.5MLA0402NH	0402	5.5	4	20	0.05	19	1	7.1	10.8	220	.29	.28	.27	.25	10,000	.12
576—	V5.5MLA0603H	0603	5.5	4	30	0.1	17.5	1	7.1	9.3	660	.37	.319	.276	.25	2,500	.226
576—	V5.5MLA0805LH	0805	5.5	4	40	0.1	17.5	1	7.1	9.3	860	.46	.42	.31	.25	2,500	.17
576—	V5.5MLA0805LNH	0805	5.5	4	40	0.1	17.5	1	7.1	9.3	860	.35	.33	.32	.29	2,500	.28
576—	V5.5MLA0805H	0805	5.5	4	120	0.3	17.5	1	7.1	9.3	1600	.46	.42	.31	.25	2,500	.17
576—	V5.5MLA1206H	1206	5.5	4	150	0.4	17.5	1	7.1	9.3	4500	.59	.57	.51	.49	2,500	.46
576—	V5.5MLA1206NH	1206	5.5	4	150	0.4	17.5	1	7.1	9.3	4500	1.02	.94	.71	.65	2,500	.58
576—	V9MLA0402LNH	0402	9	6.5	4	0.02	35	1	11	16	33	.29	.28	.27	.25	10,000	.12
576—	V9MLA0603H	0603	9	6.5	30	0.1	25.5	1	11	16	420	.37	.319	.276	.25	2,500	.226
576—	V9MLA0603NH	0603	9	6.5	30	0.1	25.5	1	11	16	420	.46	.42	.31	.25	2,500	.24
576—	V9MLA0805LH	0805	9	6.5	40	0.1	25.5	1	11	16	450	.46	.42	.31	.25	2,500	.17
576—	V12MLA0805LNH	0805	12	9	40	0.1	29	1	14	18.5	350	.34	.32	.31	.29	2,500	.28
576—	V12MLA0805LH	0805	12	9	40	0.1	29	1	14	18.5	350	.25	.24	.226	.21	2,500	.19
576—	V14MLA0402NH	0402	14	10	20	0.05	38	1	15.9	21.5	70	.46	.42	.23	.21	10,000	.12
576—	V14MLA0603H	0603	14	10	30	0.1	34.5	1	15.9	21.5	150	.37	.319	.276	.25	2,500	.226
576—	V14MLA0603NH	0603	14	10	30	0.1	34.5	1	15.9	21.5	150	.46	.42	.27	.25	2,500	.17
576—	V14MLA0805LNH	0805	14	10	40	0.1	32	1	15.9	20.3	270	.46	.42	.31	.29	2,500	.28
576—	V14MLA0805LH	0805	14	10	120	0.3	32	1	15.9	20.3	480	.32	.32	.31	.25	2,500	.22
576—	V14MLA1206H	1206	14	10	150	0.4	32	1	15.9	20.3	1600	.88	.81	.61	.56	2,500	.50
576—	V14MLA1206NH	1206	14	10	150	0.4	32	1	15.9	20.3	1600	1.02	.94	.71	.65	2,500	.58
576—	V18MLA0402NH	0402	18	14	20	0.05	50	1	22	28	40	.32	.29	.22	.21	10,000	.18
576—	V18MLA0603H	0603	18	14	30	0.1	50	1	22	28	100	.37	.31	.27	.25	2,500	.22
576—	V18MLA0805LH	0805	18	14	40	0.1	44	1	22	28	250	.46	.42	.27	.25	2,500	.24
576—	V18MLA0805LNH	0805	18	14	40	0.1	44	1	22	28	250	.46	.42	.31	.29	2,500	.28
576—	V18MLA0805H	0805	18	14	120	0.3	44	1	22	28	450	.27	.26	.23	.20	2,500	.18
576—	V18MLA1206H	1206	18	14	150	0.4	44	1	22	28	1100	.88	.81	.61	.56	2,500	.50
576—	V18MLA1210H	1210	18	14	500	2.5	44	2.5	22	28	1250	1.09	1.01	.76	.69	2,000	.509
576—	V26MLA0603H	0603	26	20	30	0.1	60	1	31	38	90	.37	.319	.276	.25	2,500	.226
576—	V26MLA0805LH	0805	26	20	40	0.1	60	1	29.5	38.5	115	.46	.42	.31	.25	2,500	.24
576—	V26MLA0805H	0805	26	20	100	0.3	60	1	29.5	38.5	190	.46	.42	.31	.25	2,500	.17
576—	V26MLA1206H	1206	26	20	150	0.6	60	1	29.5	38.5	900	.59	.57	.51	.49	2,500	.46
576—	V26MLA1206NH	1206	26	20	150	0.6	60	1	29.5	38.5	900	1.02	.94	.71	.65	2,500	.58
576—	V26MLA1210A	1210	26	20	300	1.2	60	2.5	29.5	38.5	1000	1.09	1.01	.76	.65	2,000	.62
576—	V26MLA1210H	1210	26	20	300	1.2	60	2.5	29.5	38.5	1000	1.09	1.01	.76	.65	2,000	.62
576—	V30MLA0603H	0603	30	25	30	0.1	74	1	37	46	75	.37	.319	.276	.226	2,500	.225
576—	V30MLA0805LH	0805	30	25	30	0.1	72	1	37	46	80	.46	.42	.31	.25	2,500	.24
576—	V30MLA1210H	1210	30	25	280	1.2	68	2.5	35	43	1575	1.09	1.01	.76	.65	2,000	.62
576—	V33MLA1206NH	1206	33	26	180	0.8	75	1	38	49	550	1.02	.94	.71	.65	2,500	.58
576—	V42MLA1206H	1206	42	30	180	0.8	92	1	46	60	550	.59	.57	.51	.49	2,500	.46
576—	V42MLA1206NH	1206	42	30	180	0.8	92	1	46	60	550	1.02	.94	.71	.65	2,500	.58
576—	V48MLA1210H	1210	48	40	250	1.2	105	2.5	54.5	66.5	450	1.09	1.01	.76	.65	2,000	.62
576—	V56MLA1206H	1206	56	40	180	1	120	1	61	77	150	.59	.57	.51	.49	2,500	.46
576—	V60MLA1210H	1210	60	50	250	1.5	130	2.5	67	83	375	1.09	1.01	.76	.65	2,000	.62
576—	V68MLA1206H	1206	68	50	180	1	140	1	76	90	150	.59	.57	.51	.49	2,500	.46
576—	V68MLA1206NH	1206	68	50	180	1	140	1	76	90	150	1.02	.94	.71	.65	2,500	.58
576—	V85MLA1210H	1210	85	67	250	2.5	180	2.5	95	115	225	1.09	1.01	.76	.65	2,000	.62
576—	V85MLA1210NH	1210	85	67	250	2.5	180	2.5	95	115	225	1.02	.94	.71	.65	2,000	.58
576—	V120MLA1210H	1210	120	107	125	2	260	2.5	135	165	65	1.02	.94	.71	.65	2,000	.58

LITTELFUSE Metal Oxide Varistors

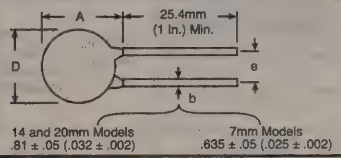
Littelfuse®

RoHS Compliant **This page of product is compliant.**



DIMENSIONS: mm (in.)				
Symbol	7mm	10mm	14mm	20mm
A (max)	12.0 (0.472)	16.0 (0.630)	20.0 (0.787)	26.5 (1.043)
D (max)	9.0 (0.354)	12.5 (0.492)	17.0 (0.669)	23.0 (.906)
e + 1mm -(.039)	6.0 (0.236)	8.5 (0.335)	8.5 (0.335)	8.5 (.335)

DIMENSIONS: mm (in.)


A
25.4mm (1 In.) Min.
D
e
b
14 and 20mm Models .81 ± .05 (.032 ± .002)
7mm Models .635 ± .05 (.025 ± .002)

LITTELFUSE METAL OXIDE VARISTORS ZA SERIES

- Wide Operating Voltage Range Vm (AC) MS: 4V to 460V
- DC Voltage Ratings: 5.5V to 615V
- No Derating up to 85°C Ambient
- 5 Model Sizes Available: 5,7,10,14 and 20mm
- Radial-Lead Package Design

The ZA Series of transient voltage surge suppressors are radial-lead varistors (MOVs) designed for use in the protection of low and medium voltage circuits and systems. Typical applications include motor control, telecom, automotive systems, solenoid, and power supply circuits to protect circuit board components and maintain data integrity.

✱ Energy rating for impulse duration of 30ms minimum to one half of peak current (auto load dump). ✱✱ 10mA DC test current.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Model Size Disc Dia. (mm)	Device Model Number Brand	Maximum Ratings (85°C)				Specifications (25°C)				Typical Capacitance f=1MHz	Price Each			
				Continuous		Transient		Varistor Voltage @ 1mA DC Test Current		Max. Clamping Voltage 8 x 20μs						
				V_{RMS}	V_{DC}	Energy (10/1000μs)	Peak Cur. (8/20μs)									
Mfr.	Mfr. Part No.			$V_{M (AC)}$	$V_{M (DC)}$	W_{TM}	I_{TM}	V_{NOM} Min.	V_{NOM} Max.	V_C	I_{PK}	C	1	10	100	250
				Volts	Volts	Joules	Amps	Volts	Volts	Volts	Amps	pF				
576	V8ZA05P	5	Z08	4	5.5	0.1	50	6	11	30	1	1400	.35	.33	.32	.26
576	V8ZA1P	7	08Z1	4	5.5	0.4	100	6	11	22	2.5	3000	.39	.36	.34	.31
576	V8ZA2P	10	08Z2	4	5.5	0.8	250	6	11	20	5	7500	.29	.28	.27	.25
576	V12ZA05P	5	Z12	6	8	0.14	50	9	16	37	1	1200	.39	.36	.34	.31
576	V12ZA2P	10	12Z2	6	8	1.2	250	9	16	30	5	6000	.36	.33	.31	.29
576	V18ZA05P	5	Z18	10	14	0.17	100	14.4	21.6	36	1	1000	.36	.33	.31	.29
576	V18ZA1P	7	18Z1	10	14	0.8	250	14.4	21.6	36	2.5	2000	.33	.32	.31	.29
576	V18ZA2P	10	18Z2	10	14	1.5	500	14.4	21.6	36	5	5000	.27	.26	.25	.24
576	V18ZA3P	14	18Z3	10	14	3.5	1000	14.4	21.6	36	10	11000	.35	.33	.32	.30
576	V18ZA40P	20	18Z40	10	14	80	2000	14.4	21.6	37	20	22000	.72	.67	.62	.57
576	V22ZA05P	5	Z22	14	18	0.2	100	18.7	26	43	1	800	.37	.36	.34	.32
576	V22ZA1P	7	22Z1	14	18	0.9	250	18.7	26	43	2.5	1800	.26	.24	.23	.21
576	V22ZA2P	10	22Z2	14	18	2	500	18.7	26	43	5	4000	.36	.33	.31	.29
576	V22ZA3P	14	22Z3	14	18	4	1000	18.7	26	43	10	9000	.40	.36	.34	.32
576	V24ZA50P	20	24Z50	14	18	100	2000	19.2	26	43	20	18000	.72	.67	.62	.57
576	V27ZA05P	5	Z27	17	22	0.25	100	23	31.1	53	1	600	.26	.24	.23	.21
576	V47ZA20P	20	47Z20	30	38	23	2000	42	52	93	20	11000	.48	.44	.42	.40
576	V47ZA7P	14	47Z7	30	38	8.8	1000	42	52	93	10	4500	.35	.33	.32	.30
576	V47ZA3P	10	47Z3	30	38	4.5	500	42	52	93	5	2000	.29	.28	.27	.25
576	V56ZA2P	7	56Z2	35	45	2.3	250	50	62	110	2.5	700	.25	.19	.18	.17
576	V56ZA8P	14	56Z8	35	45	10	1000	50	62	110	10	3900	.35	.33	.32	.30
576	V68ZA2P	7	68Z2	40	56	3	250	61	75	135	2.5	600	.25	.19	.18	.17
576	V68ZA3P	10	68Z3	40	56	6.5	500	61	75	135	5	1500	.36	.33	.31	.29
576	V68ZA10P	14	68Z10	40	56	13	1000	61	75	135	10	3300	.46	.43	.40	.36
576	V82ZA4P	10	82Z4	50	68	8	2500	73	91	135	25	1100	.47	.45	.43	.41
576	V82ZA12P	14	82Z12	50	68	15	4500	73	91	145	50	2500	.45	.36	.34	.32
576	V100ZA3P	5	Z100	60	81	2.5	400	90	117	165	5	180	.20	.19	.18	.17
576	V100ZA15P	14	100Z15	60	81	20	4500	90	110	175	50	2000	.31	.28	.27	.25
576	V150ZA20P	20	150Z20	95	127	45	6500	135	165	250	100	1000	.55	.52	.50	.47
576	V180ZA1P	7	180Z	115	153	10	1200	162	198	300	10	200	.24	.22	.21	.20
576	V180ZA5P	10	180Z5	115	153	18	2500	162	198	300	25	500	.36	.33	.31	.29
576	V180ZA10P	14	180Z10	115	153	35	4500	162	198	300	50	1100	.35	.33	.32	.30
576	V220ZA05P	5	Z220	140	180	6	400	198	253	360	5	90	.49	.46	.42	.39
576	V330ZA05P	5	Z330	210	275	9	400	297	380	540	5	60	.49	.46	.42	.39
576	V390ZA05P	5	Z390	250	330	10	400	351	449	650	5	50	.37	.36	.34	.32

LITTELFUSE METAL OXIDE VARISTORS LA SERIES

- Wide voltage / energy range
- Excellent clamp ratio
- Fast response time
- Low standby power
- No follow-on current
- Radial package
- Line voltage operation
- UL recognized

Littelfuse varistors are voltage dependent, symmetrical, metal-oxide semiconductor devices. Their characteristics enable them to protect against high transient voltage spikes (when properly selected) to meet anticipated loads. When the protected equipment or circuit encounters high voltage spikes, the varistor impedance changes from a very high standby value to a very low conducting value, thus clamping the transient voltage to a protective level. The excess energy of the incoming high voltage pulse is absorbed by the Harris varistor, protecting voltage sensitive components against damage.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Model Size Disc Dia. (mm)	Device Model Number Brand	Maximum Ratings (85°C)				Specifications (25°C)				Typical Capacitance @ f=1MHz (pF)	Price Each			
				Continuous		Transient		V_{NOM} Varistor Peak Voltage		Max. Clamping Voltage VC @ Test Current (8x20μs)						
Mfr.	Mfr. Part No.			RMS Voltage	DC Voltage	Energy (10/1000μs)	Peak Cur. (8/20μs)	Max @ 1mA DC	Max @ 1mA AC	Vc	Ip		1	10	100	250
				Volts	Volts	Joules	Amps	Volts	Volts	Volts	Volts					
576	V130LA1P	7	1301	130	175	11	1200	184	255	390	10	180	.26	.24	.23	.21
576	V130LA2P	7	1302	130	175	11	1200	184	228	340	10	180	.20	.19	.18	.17
576	V130LA5P	10	1305	130	175	20	2500	184	228	340	25	450	.27	.26	.25	.24
576	V130LA10AP	14	130L10	130	175	38	4500	184	228	340	50	1000	.31	.28	.27	.25
576	V130LA20AP	20	130L20	130	175	70	6500	184	228	340	100	1900	.55	.52	.50	.47
576	V130LA20BP	20	130L20B	130	175	70	6500	184	220	325	100	1900	.48	.44	.42	.40
576	V140LA5P	10	1405	140	180	22	2500	198	242	360	25	400	.36	.33	.31	.29
576	V140LA10AP	14	140L10	140	180	42	4500	198	242	360	50	900	.35	.33	.32	.30
576	V150LA1P	7	1501	150	200	13	1200	212	284	430	10	150	.26	.24	.23	.21
576	V150LA2P	7	1502	150	200	13	1200	212	268	395	10	150	.18	.16	.15	.14
576	V150LA5P	10	1505	150	200	25	2500	212	268	395	25	360	.36	.33	.31	.29
576	V150LA10AP	14	150L10	150	200	45	4500	212	268	395	50	800	.35	.33	.32	.30
576	V150LA20AP	20	150L20	150	200	80	6500	212	268	395	100	1600	.55	.52	.50	.47
576	V150LA20BP	20	150L20B	150	200	80	6500	212	243	360	100	1600	.55	.52	.50	.47
576	V250LA10P	10	250L	250	330	40	2500	354	429	650	25	220	.37	.36	.34	.32
576	V275LA2P	7	2752	275	369	23	1200	389	515	775	10	80	.25	.19	.18	.17
576	V275LA40AP	20	275L40	275	369	140	6500	389	473	710	100	900	.48	.44	.42	.40
576	V275LA40BP	20	275L40B	275	369	140	6500	389	453	680	100	900	.48	.44	.42	.40
576	V320LA20AP	14	320L20	320	420	80	4500	462	565	850	50	380	.46	.43	.40	.36
576	V320LA40BP	20	320L40	320	420	150	6500	462	540	810	100	750	.48	.44	.42	.40
576	V420LA20AP	14	420L20	420	560	90	4500	610	748	1120	50	300	.46	.43	.40	.36
576	V420LA40BP	20	420L40	420	560	160	6500	610	720	1060	100	600	.85	.79	.73	.67
576	V480LA40AP	14	480L40	480	640	105	4500	670	825	1240	50	270	.47	.45	.43	.41
576	V480LA80BP	20	480L80	480	640	180	6500	670	790	1160	100	550	.98	.91	.85	.78
576	V510LA40AP	14	510L40	510	675	110	4500	735	910	1350	50	250	.98	.91	.85	.78
576	V510LA80BP	20	510L80	510	675	190	6500	735	860	1280	100	500	1.24	1.16	1.07	.98
576	V575LA40AP	14	575L40	575	730	120	4500	805	1000	1500	50	220	.98	.91	.85	.78
576	V575LA80BP	20	575L80	575	730	220	6500	805	960	1410	100	450	1.24	1.18	1.13	1.07
576	V1000LA160BP	20	1000L160	1000	1200	360	6500	1425	1600	2420	100	250	3.11	2.89	2.68	2.46

LITTELFUSE Metal Oxide Varistors

RoHS Compliant This page of product is compliant.

LITTELFUSE UltraMOV™ SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Model Size Disc Dia. (mm)	Device Model Number Branding	Maximum Rating (85°C) Continuous RMS Volts $V_{M(AC)}$ (V)	Continuous DC Volts $V_{M(DC)}$ (V)	Transient Energy 2ms W_{TM} (J)	Transient Peak Current 8/20 µs I_{TM} 1 x Pulse (A)	Transient Peak Current 8/20 µs I_{TM} 2 x Pulse (A)	Specifications (25°C) Varistor Voltage at 1mA DC Test Current V_{NOM} Min (V)	Varistor Voltage at 1mA DC Test Current V_{NOM} Max (V)	Maximum Clamping Voltage 8/20 µs V_C (V)	Maximum Clamping Voltage 8/20 µs I_{PK} (A)	Typical Capacitance f = 1MHz (pF)	Price Each 1	Price Each 10	Price Each 100	Price Each 250
576	V07E130P	07	7V130	130	170	12.5	1750	1200	184	226	340	10	180	.20	.19	.18	.17
576	V10E130P	10	10V130	130	170	25	3500	2500	184	226	340	25	450	.36	.33	.31	.29
576	V14E130P	14	14V130	130	170	50	6000	4500	184	226	340	50	1000	.35	.33	.32	.30
576	V20E130P	20	20V130	130	170	100	10000	6500	184	226	340	100	1900	.73	.68	.50	.47
576	V07E150P	07	7V150	150	200	15	1750	1200	216	264	395	10	150	.26	.24	.23	.21
576	V14E150P	14	14V150	150	200	60	6000	4500	216	264	395	50	800	.35	.33	.32	.30
576	V20E150P	20	20V150	150	200	120	10000	6500	216	264	395	100	1600	.73	.68	.50	.47
576	V07E175P	07	7V175	175	225	17	1750	1200	243	297	455	10	130	.26	.24	.23	.21
576	V20E175P	20	20V175	175	225	135	10000	6500	243	297	455	100	1400	.72	.67	.62	.57
576	V20E230P	20	20V230	230	300	160	10000	6500	324	396	595	100	1100	.72	.67	.62	.57
576	V07E250P	07	7V250	250	320	25	1750	1200	351	429	650	10	90	.20	.19	.18	.17
576	V14E250P	14	14V250	250	320	100	6000	4500	351	429	650	50	500	.35	.33	.32	.30
576	V20E250P	20	20V250	250	320	170	10000	6500	351	429	650	100	1000	.73	.68	.50	.47
576	V07E300P	07	7V300	300	385	30	1750	1200	423	517	775	10	70	.26	.24	.23	.21
576	V10E300P	10	10V300	300	385	60	3500	2500	423	517	775	25	180	.36	.33	.31	.29
576	V14E300P	14	14V300	300	385	125	6000	4500	423	517	775	50	400	.46	.43	.40	.36
576	V20E300P	20	20V300	300	385	250	10000	6500	423	517	775	100	800	.72	.67	.62	.57
576	V10E320P	10	10V320	320	420	67	3500	2500	459	561	840	25	170	.36	.33	.31	.29
576	V14E320P	14	14V320	320	420	136	6000	4500	459	561	840	50	380	.46	.43	.40	.36
576	V20E320P	20	20V320	320	420	273	10000	6500	459	561	840	100	750	.72	.67	.62	.57
576	V20E385P	20	20V385	385	505	300	10000	6500	558	682	1025	100	700	.72	.67	.62	.57
576	V14E420P	14	14V420	420	560	160	6000	4500	612	748	1120	50	300	.46	.43	.40	.36
576	V20E420P	20	20V420	420	560	320	10000	6500	612	748	1120	100	600	.72	.67	.62	.57
576	V20E440P	20	20V440	440	585	340	10000	6500	643	787	1180	100	500	.82	.76	.71	.65
576	V10E510P	10	10V510	510	670	80	3500	2500	738	902	1355	25	110	.46	.43	.40	.36
576	V14E510P	14	14V510	510	670	165	6000	4500	738	902	1355	50	200	.59	.55	.51	.47
576	V20E510P	20	20V510	510	670	325	10000	6500	738	902	1355	100	350	.98	.91	.85	.78
576	V20E550P	20	20V550	550	745	360	10000	6500	819	1001	1500	100	300	1.08	1.00	.93	.86

LITTELFUSE TMOV, iTMOV SERIES

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	MOUSER STOCK NO. Mfr. Part No.	Model Size Disc Dia. (mm)	Device Model Number Branding	Maximum Rating (85°C) Continuous AC Volts V_M (AC) RMS (V)	Continuous Suppressed Vol. Rating UL 1449 Table 60.1 (V)	Transient Energy 2ms W_{TM} (J)	Transient Peak Surge Current 8/20 µs I_{TM} 1 x Pulse (A)	Transient Peak Surge Current 8/20 µs I_{TM} 2 x Pulse (A)	Specifications (25°C) Varistor Voltage at 1mA Test Current $V_{N(DC)}$ Min (V)	Varistor Voltage at 1mA Test Current $V_{N(DC)}$ Max (V)	Maximum Clamping Voltage 8/20µs V_c (V)	Maximum Clamping Voltage 8/20µs I_{PK} (A)	Typical Capacitance f = 1MHz C (pF)	Price Each 1	Price Each 10	Price Each 100	Price Each 250
TMOV																	
576	TMOV14R130E	14	4T130E	115	300	35	6000	4500	162	198	300	50	1100	1.15	1.10	1.05	.99
576	TMOV20R130E	20	20T130E	115	300	52	10000	6500	162	198	300	100	2400	1.33	1.29	1.21	1.15
576	TMOV14R175E	14	4T175E	150	500	60	6000	4500	216	264	395	50	800	1.15	1.10	1.05	.99
576	TMOV20R175E	20	20T175E	150	400	120	10000	6500	216	264	395	100	1600	1.39	1.38	1.21	1.15
576	TMOV14R250E	14	4T250E	200	700	75	6000	4500	281	344	530	50	630	1.15	1.10	1.05	.99
576	TMOV20R250E	20	20T250E	200	700	154	10000	6500	281	344	530	100	1250	1.39	1.38	1.21	1.15
576	TMOV14R115E	14	4T115E	250	800	100	6000	4500	351	429	650	50	500	1.15	1.10	1.05	.99
576	TMOV20R115E	20	20T115E	250	700	170	10000	6500	351	429	650	100	1000	1.33	1.27	1.21	1.15
576	TMOV14R300E	14	4T300E	300	900	125	6000	4500	423	517	775	50	400	1.15	1.10	1.05	.99
576	TMOV20R300E	20	20T300E	300	900	250	10000	6500	423	517	775	100	800	1.33	1.27	1.21	1.15
576	TMOV14R385E	14	4T385E	385	1200	150	6000	4500	558	682	1025	50	360	1.20	1.14	1.09	1.03
576	TMOV20R385E	20	20T385E	385	1200	300	10000	6500	558	682	1025	100	700	1.38	1.31	1.25	1.19
576	TMOV14R420E	14	4T420E	420	1200	160	6000	4500	612	748	1120	50	300	1.20	1.14	1.09	1.03
576	TMOV14R115E	14	4T115E	250	800	100	6000	4500	351	429	650	50	500	1.15	1.10	1.05	.99
576	TMOV20R115E	20	20T115E	250	700	170	10000	6500	351	429	650	100	1000	1.33	1.27	1.21	1.15
576	TMOV14R300E	14	4T300E	300	900	125	6000	4500	423	517	775	50	400	1.15	1.10	1.05	.99
576	TMOV20R300E	20	20T300E	300	900	250	10000	6500	423	517	775	100	800	1.33	1.27	1.21	1.15
576	TMOV14R385E	14	4T385E	385	1200	150	6000	4500	558	682	1025	50	360	1.20	1.14	1.09	1.03
576	TMOV20R385E	20	20T385E	385	1200	300	10000	6500	558	682	1025	100	700	1.38	1.31	1.25	1.19
576	TMOV14R420E	14	4T420E	420	1200	160	6000	4500	612	748	1120	50	300	1.20	1.14	1.09	1.03
576	TMOV20R420E	20	20T420E	420	1200	320	10000	6500	612	748	1120	100	600	1.46	1.45	1.25	1.19
576	TMOV20R460E	20	20T460E	460	n/a	360	10000	6500	675	825	1240	100	200	1.20	1.14	1.08	1.02
576	TMOV20R510E	20	20T510E	540	n/a	325	10000	6500	738	902	1355	100	350	1.47	1.40	1.33	1.27
576	TMOV20R550E	20	20T550E	550	n/a	360	10000	6500	819	1001	1500	100	300	1.47	1.40	1.33	1.27
576	TMOV20R575E	20	20T575E	575	n/a	375	10000	6500	856	1047	1568	100	275	1.47	1.40	1.33	1.27
576	TMOV20R750E	20	20T750E	625	n/a	52	10000	6500	900	1100	1650	100	250	1.69	1.61	1.54	1.46
576	TMOV20R625E	20	20T625E	750	n/a	100	10000	6500	1080	1320	1980	100	175	1.58	1.51	1.44	1.36
iTMOV																	
576	TMOV14R130M	14	4T130M	115	300	35	6000	4500	162	198	300	50	1100	1.24	1.18	1.13	1.07
576	TMOV20R130M	20	20T130M	115	300	52	10000	6500	162	198	300	100	2400	1.42	1.36	1.29	1.23
576	TMOV14R175M	14	4T175M	150	500	60	6000	4500	216	264	395	50	800	1.24	1.18	1.13	1.07
576	TMOV20R175M	20	20T175M	150	400	120	10000	6500	216	264	395	100	1600	1.48	1.47	1.29	1.23
576	TMOV14R250M	14	4T250M	200	700	75	6000	4500	281	344	530	50	630	1.24	1.18	1.13	1.07
576	TMOV20R250M	20	20T250M	200	700	154	10000	6500	281	344	530	100	1250	1.42	1.36	1.29	1.23
576	TMOV14R115M	14	4T115M	250	800	100	6000	4500	351	429	650	50	500	1.24	1.18	1.13	1.07
576	TMOV20R115M	20	20T115M	250	700	170	10000	6500	351	429	650	100	1000	1.42	1.36	1.29	1.23
576	TMOV14R300M	14	4T300M	300	900	125	6000	4500	423	517	775	50	400	1.24	1.18	1.13	1.07
576	TMOV20R300M	20	20T300M	300	900	250	10000	6500	423	517	775	100	800	1.42	1.36	1.29	1.23
576	TMOV14R385M	14	4T385M	385	1200	150	6000	4500	558	682	1025	50	360	1.29	1.23	1.17	1.11
576	TMOV20R385M	20	20T385M	385	1200	300	10000	6500	558	682	1025	100	700	1.47	1.40	1.33	1.27
576	TMOV20R250M	20	20T250M	200	700	154	10000	6500	281	344	530	100	1250	1.42	1.36	1.29	1.23
576	TMOV14R115M	14	4T115M	250	800	100	6000	4500	351	429	650	50	500	1.24	1.18	1.13	1.07
576	TMOV20R115M	20	20T115M	250	700	170	10000	6500	351	429	650	100	1000	1.42	1.36	1.29	1.23
576	TMOV14R300M	14	4T300M	300	900	125	6000	4500	423	517	775	50	400	1.24	1.18	1.13	1.07
576	TMOV20R300M	20	20T300M	300	900	250	10000	6500	423	517	775	100	800	1.42	1.36	1.29	1.23
576	TMOV14R385M	14	4T385M	385	1200	150	6000	4500	558	682	1025	50	360	1.29	1.23	1.17	1.11
576	TMOV20R385M	20	20T385M	385	1200	300	10000	6500	558	682	1025	100	700	1.47	1.40	1.33	1.27
576	TMOV14R420M	14	4T420M	420	1200	160	6000	4500	612	748	1120	50	300	1.29	1.23	1.17	1.11
576	TMOV20R420M	20	20T420M	420	1200	320	10000	6500	612	748	1120	100	600	1.47	1.40	1.33	1.27
576	TMOV20R460M	20	20T460M	460	n/a	360	10000	6500	675	825	1240	100	200	1.47	1.40	1.33	1.27
576	TMOV20R510M	20	20T510M	510	n/a	325	10000	6500	738	902	1355	100	350	1.56	1.49	1.41	1.34
576	TMOV20R550M	20	20T550M	550	n/a	360	10000	6500	819	1001	1500	100	300	1.56	1.49	1.41	1.34
576	TMOV20R575M	20	20T575M	575	n/a	375	10000	6500	856	1047	1568	100	275	1.56	1.49	1.41	1.34
576	TMOV20R750M	20	20T750M	625	400	52	10000	6500	900	1100	1650	100	250	1.80	1.72	1.64	1.56
576	TMOV20R625M	20	20T625M	750	480	100	10000	6500	1080	1320	1980	100	175	1.69	1.61	1.54	1.46

RAYCHEM Metal Oxide Varistors

RoHS Compliant **This page of product is compliant.**

RAYCHEM VARISTORS

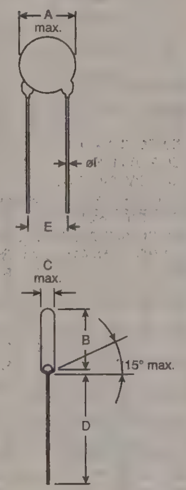
Raychem's ROV (Radial-leaded Metal Oxide Varistor) products help to provide protection against overvoltage faults such as lightning, power contact, and power induction, for a wide variety of power systems. Suitable for a broad range of applications including, but not limited to, security systems, power supplies, surge strips, motors, and telecommunications equipment, ROV devices help to protect valuable equipment from potential power surge damage by clamping high-energy, short duration impulses. The ROV devices have high current handling and energy absorption capability and fast response times to help protect against transient faults.

RoHS Compliant

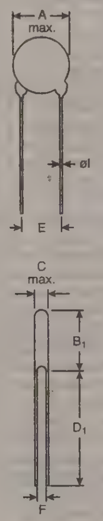
For quantities of 2,500 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Voltage					Current		Wattage	Energy (10x 1000μS)	Cap. Typ. (pF)	Price Each		
		@ .1mA		Max.		Max.	Max. Surge							
		VDC	Tol.	ACrms	VDC	V@5A	1	2				1	100	500
5mm Standard														
650-ROV05-180M-S	ROV05-180M	18	±20%	11	14	40.1	100	50	0.01	0.6	1121	.07	.07	.07
650-ROV05-220L-S	ROV05-220L	22	±15%	14	18	48.1	100	50	0.01	0.7	1233	.07	.07	.07
650-ROV05-330K-S	ROV05-330K	33	±10%	20	26	73.1	100	50	0.01	1.1	834	.07	.07	.07
650-ROV05-390K	ROV05-390K	39	±10%	25	31	86.1	100	50	0.01	1.2	877	.07	.07	.07
650-ROV05-820K-S	ROV05-820K	82	±10%	50	65	145	400	200	0.1	2.8	269	.06	.05	.05
650-ROV05-201K-S-2	ROV05-201K	200	±10%	130	170	355	400	200	0.1	7.1	85	.06	.06	.06
650-ROV05-221K-S-2	ROV05-221K	220	±10%	140	180	380	400	200	0.1	7.8	80	.06	.06	.06
650-ROV05-241K-S-2	ROV05-241K	240	±10%	150	200	415	400	200	0.1	8.4	74	.06	.05	.05
650-ROV05-271K-S-2	ROV05-271K	270	±10%	175	225	475	400	200	0.1	9.9	69	.06	.05	.05
650-ROV05-301K-S-2	ROV05-301K	300	±10%	195	250	525	400	200	0.1	10.5	65	.06	.06	.05
650-ROV05-331K-S-2	ROV05-331K	330	±10%	210	275	575	400	200	0.1	11.5	60	.06	.06	.06
650-ROV05-361K-S-2	ROV05-361K	360	±10%	230	300	620	400	200	0.1	13	69	.06	.06	.06
650-ROV05-391K-S-2	ROV05-391K	390	±10%	250	320	675	400	200	0.1	15	56	.06	.05	.05
650-ROV05-431K-S-2	ROV05-431K	430	±10%	275	350	745	400	200	0.1	16.5	47	.06	.05	.05
650-ROV05-471K-2	ROV05-471K	470	±10%	300	385	810	400	200	0.1	17.5	50	.06	.05	.05
650-ROV05-511K-S-2	ROV05-511K	510	±10%	320	418	880	400	200	0.1	18.5	50	.07	.07	.06
650-ROV05-561K-S-2	ROV05-561K	560	±10%	350	460	940	400	200	0.1	19.5	50	.07	.07	.06
7mm Standard														
650-ROV07-180M	ROV07-180M	18	±20%	11	14	36.1	250	125	0.02	1.2	2918	.09	.08	.07
650-ROV07-220L-S	ROV07-220L	22	±15%	14	18	43.1	250	125	0.02	1.4	1933	.09	.08	.07
650-ROV07-270K-S	ROV07-270K	27	±10%	17	22	53.1	250	125	0.02	1.7	2344	.08	.07	.07
650-ROV07-330K-S	ROV07-330K	33	±10%	20	26	65.1	250	125	0.02	2.2	1840	.08	.07	.07
650-ROV07-390K-S	ROV07-390K	39	±10%	25	31	77.1	250	125	0.02	2.4	1817	.08	.07	.07
650-ROV07-470K-S	ROV07-470K	47	±10%	30	38	93.1	250	125	0.02	3	1595	.08	.07	.07
650-ROV07-560K-S	ROV07-560K	56	±10%	35	45	110.1	250	125	0.02	3.5	1333	.08	.07	.07
650-ROV07-101K-S	ROV07-101K	100	±10%	60	85	165	1200	600	0.25	7	535	.06	.06	.05
650-ROV07-201K-S-2	ROV07-201K	200	±10%	130	170	340	1200	600	0.25	14.3	224	.08	.07	.06
650-ROV07-221K-S-2	ROV07-221K	220	±10%	140	180	360	1200	600	0.25	15.5	190	.07	.06	.06
650-ROV07-241K-S-2	ROV07-241K	240	±10%	150	200	395	1200	600	0.25	16.8	185	.06	.06	.05
650-ROV07-271K-S-2	ROV07-271K	270	±10%	175	225	455	1200	600	0.25	19.8	161	.06	.06	.05
650-ROV07-301K-S-2	ROV07-301K	300	±10%	195	250	505	1200	600	0.25	21	135	.06	.06	.06
650-ROV07-331K-S-2	ROV07-331K	330	±10%	210	275	550	1200	600	0.25	23	141	.07	.06	.06
650-ROV07-361K-S-2	ROV07-361K	360	±10%	230	300	595	1200	600	0.25	26	117	.07	.06	.06
650-ROV07-391K-S-2	ROV07-391K	390	±10%	250	320	650	1200	600	0.25	30	110	.06	.06	.05
650-ROV07-431K-S-2	ROV07-431K	430	±10%	275	350	710	1200	600	0.25	33	111	.06	.06	.05
650-ROV07-471K-S-2	ROV07-471K	470	±10%	300	385	775	1200	600	0.25	35	102	.06	.06	.05
650-ROV07-511K-S-2	ROV07-511K	510	±10%	320	418	842	1200	600	0.25	37	100	.07	.07	.07
650-ROV07-561K-S-2	ROV07-561K	560	±10%	350	460	920	1200	600	0.25	39	87	.07	.07	.07
10mm Standard														
650-ROV10-180M-S	ROV10-180M	18	±20%	11	14	36.1	500	250	0.05	2.4	6500	.12	.12	.11
650-ROV10-220L-S	ROV10-220L	22	±15%	14	18	43.1	500	250	0.05	2.7	5521	.12	.12	.11
650-ROV10-270K-S	ROV10-270K	27	±10%	17	22	53.1	500	250	0.05	3.5	4742	.12	.12	.11
650-ROV10-390K-S	ROV10-390K	39	±10%	25	31	77.1	500	250	0.05	4.7	3658	.12	.12	.11
650-ROV10-470K-S	ROV10-470K	47	±10%	30	38	93.1	500	250	0.05	6	3137	.12	.12	.11
650-ROV10-560K-S	ROV10-560K	56	±10%	35	45	110.1	500	250	0.05	7	2900	.12	.12	.11
650-ROV10-820K-S-2	ROV10-820K	82	±10%	50	65	135	2500	1250	0.4	11	1261	.10	.09	.09
650-ROV10-101K-S	ROV10-101K	100	±10%	60	85	165	2500	1250	0.4	14	1021	.09	.09	.08
650-ROV10-151K-S	ROV10-151K	150	±10%	95	125	250	2500	1250	0.4	22	733	.09	.09	.08
650-ROV10-201K-S-2	ROV10-201K	200	±10%	130	170	340	2500	1250	0.4	28.5	400	.10	.09	.09
650-ROV10-221K-S-2	ROV10-221K	220	±10%	140	180	360	2500	1250	0.4	31	393	.10	.09	.09
650-ROV10-241K-S-2	ROV10-241K	240	±10%	150	200	395	2500	1250	0.4	33.5	325	.08	.08	.08
650-ROV10-271K-S-2	ROV10-271K	270	±10%	175	225	455	2500	1250	0.4	39.5	334	.08	.08	.08
650-ROV10-301K-S-2	ROV10-301K	300	±10%	195	250	505	2500	1250	0.4	42	278	.10	.09	.09
650-ROV10-331K-S-2	ROV10-331K	330	±10%	210	275	550	2500	1250	0.4	46	275	.11	.10	.10
650-ROV10-361K-S-2	ROV10-361K	360	±10%	230	300	595	2500	1250	0.4	52	231	.11	.10	.10
650-ROV10-391K-S-2	ROV10-391K	390	±10%	250	320	650	2500	1250	0.4	60	247	.10	.09	.09
650-ROV10-431K-S-2	ROV10-431K	430	±10%	275	350	710	2500	1250	0.4	66	216	.10	.09	.09
650-ROV10-471K-S-2	ROV10-471K	470	±10%	300	385	775	2500	1250	0.4	70	210	.10	.09	.09
650-ROV10-511K-S-2	ROV10-511K	510	±10%	320	418	842	2500	1250	0.4	74	187	.12	.12	.11
650-ROV10-561K-S-2	ROV10-561K	560	±10%	350	460	920	2500	1250	0.4	78	186	.11	.11	.10
650-ROV10-681K-S-2	ROV10-681K	680	±10%	420	560	1120	2500	1250	0.4	86	156	.16	.15	.14
14mm Standard														
650-ROV14-180M	ROV14-180M	18	±20%	11	14	36.1	1000	500	0.1	4.7	14898	.17	.17	.16
650-ROV14-220L-S	ROV14-220L	22	±15%	14	18	43.1	1000	500	0.1	5.4	11957	.17	.17	.16
650-ROV14-201K-S-2	ROV14-201K	200	±10%	130	170	340	4500	2500	0.6	57	845	.15	.14	.13
650-ROV14-221K-S-2	ROV14-221K	220	±10%	140	180	360	4500	2500	0.6	62	713	.15	.14	.13
650-ROV14-241K-S	ROV14-241K	240	±10%	150	200	395	4500	2500	0.6	67	769	.12	.12	.11
650-ROV14-271K-S-2	ROV14-271K	270	±10%	175	225	455	4500	2500	0.6	79	655	.13	.12	.12
650-ROV14-301K-S-2	ROV14-301K	300	±10%	195	250	505	4500	2500	0.6	84	650	.15	.14	.13
650-ROV14-331K-S-2	ROV14-331K	330	±10%	210	275	550	4500	2500	0.6	92	613	.15	.15	.14
650-ROV14-361K-S-2	ROV14-361K	360	±10%	230	300	595	4500	2500	0.6	104	465	.15	.15	.14
650-ROV14-391K-S-2	ROV14-391K	390	±10%	250	320	650	4500	2500	0.6	120	458	.14	.13	.12
650-ROV14-431K-S-2	ROV14-431K	430	±10%	275	350	710	4500	2500	0.6	132	454	.14	.13	.12
650-ROV14-471K-S-2	ROV14-471K	470	±10%	300	385	775	4500	2500	0.6	140	413	.14	.13	.12
650-ROV14-511K-S	ROV14-511K	510	±10%	320	418	842	4500	2500	0.6	148	374	.17	.17	.16
650-ROV14-561K-S-2	ROV14-561K	560	±10%	350	460	920	4500	2500	0.6	156	398	.16	.16	.15
650-ROV14-681K-S	ROV14-681K	680	±10%	420	560	1120	4500	2500	0.6	172	312	.23	.20	.18

**Kinked Lead
(Standard)**



**Straight Lead
(-S)**



Diameter	5mm	7mm
A max.	7.5	9
I ± .05	0.6	0.6
E ± 1	5	5
B max.	11	13
C min.	4.5	4.5
C max.	7.9	8.3
D1 min.	25	25
D min.	24	24

Diameter	10mm	14mm
A max.	12.5	16.5
I ± .05	0.8	0.8
E ± 1	7.5	7.5
B max.	18	22
C min.	4.9	5
C max.	12.6	12.8
D1 min.	25	25
D min.	24	24

RoHS Compliant This page of product is compliant.

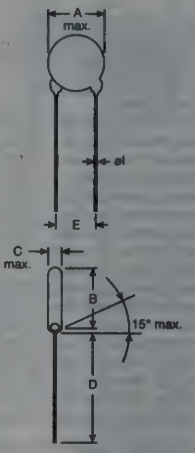
RAYCHEM VARISTORS (CONT.)

For quantities of 2,500 and up, call for quote.

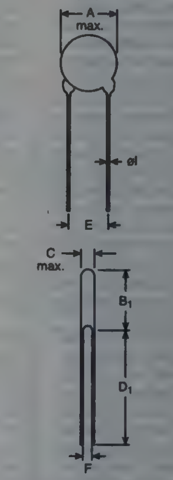
MOUSER STOCK NO.	Raychem Part No.	Voltage					Current		Wattage	Energy (10x 1000μS)	Cap. Typ. (pF)	Price Each		
		@ .1mA		Max.		Max.	Max. Surge							
		VDC	Tol.	ACrms	VDC	V@5A	1	2				1	100	500
20mm Standard														
650-ROV20-180M-S	ROV20-180M	18	±20%	11	14	36.1	2000	1000	0.2	7	27100	.38	.37	.35
650-ROV20-220M-S	ROV20-220M	22	±20%	14	18	43.1	2000	1000	0.2	8	21200	.38	.37	.35
650-ROV20-820K-S-2	ROV20-820K	82	±10%	50	65	135	6500	4000	1	44	5200	.33	.32	.30
650-ROV20-201K-S	ROV20-201K	200	±10%	130	170	340	6500	4000	1	114	1829	.31	.30	.28
650-ROV20-221K-S-2	ROV20-221K	220	±10%	140	180	360	6500	4000	1	124	1600	.33	.32	.30
650-ROV20-241K-S-2	ROV20-241K	240	±10%	150	200	395	6500	4000	1	134	1422	.29	.27	.26
650-ROV20-271K-S-2	ROV20-271K	270	±10%	175	225	455	6500	4000	1	158	1261	.29	.27	.26
650-ROV20-331K-S-2	ROV20-331K	330	±10%	210	275	550	6500	4000	1	184	1106	.35	.33	.31
650-ROV20-361K-S-2	ROV20-361K	360	±10%	230	300	595	6500	4000	1	208	987	.35	.33	.31
650-ROV20-391K-S-2	ROV20-391K	390	±10%	250	320	650	6500	4000	1	240	975	.33	.31	.30
650-ROV20-431K-S-2	ROV20-431K	430	±10%	275	350	710	6500	4000	1	264	858	.33	.31	.30
650-ROV20-471K-S-2	ROV20-471K	470	±10%	300	385	775	6500	4000	1	280	761	.33	.31	.30
650-ROV20-511K-S-2	ROV20-511K	510	±10%	320	418	842	6500	4000	1	296	792	.36	.34	.33
650-ROV20-561K-S-2	ROV20-561K	560	±10%	350	460	920	6500	4000	1	312	679	.36	.34	.33
5mm H Series, High Surge														
650-ROV05H201K-S-2	ROV05H201K	200	±10%	130	170	355	800	600	0.1	8.5	85	.07	.06	.06
650-ROV05H221K-S-2	ROV05H221K	220	±10%	140	180	380	800	600	0.1	9	80	.07	.06	.06
650-ROV05H241K-S-2	ROV05H241K	240	±10%	150	200	415	800	600	0.1	10.5	75	.06	.06	.05
650-ROV05H271K-S-2	ROV05H271K	270	±10%	175	225	475	800	600	0.1	11	70	.06	.06	.05
650-ROV05H301K-S-2	ROV05H301K	300	±10%	195	250	525	800	600	0.1	12	65	.06	.06	.06
650-ROV05H331K-S-2	ROV05H331K	330	±10%	210	275	575	800	600	0.1	13	60	.07	.06	.06
650-ROV05H361K-S-2	ROV05H361K	360	±10%	230	300	620	800	600	0.1	16	70	.07	.06	.06
650-ROV05H391K-S-2	ROV05H391K	390	±10%	250	320	675	800	600	0.1	17	55	.06	.06	.05
650-ROV05H431K-S-2	ROV05H431K	430	±10%	275	350	745	800	600	0.1	20	45	.06	.06	.05
650-ROV05H471K-S-2	ROV05H471K	470	±10%	300	385	810	800	600	0.1	21	50	.06	.06	.05
650-ROV05H511K-S-2	ROV05H511K	510	±10%	320	418	880	800	600	0.1	22	50	.07	.07	.07
650-ROV05H561K-S-2	ROV05H561K	560	±10%	350	460	940	800	600	0.1	25	50	.07	.07	.07
7mm H Series, High Surge														
650-ROV07H220L	ROV07H220L	22	±15%	14	18	43.1	500	250	0.02	1.7	2930	.08	.08	.07
650-ROV07H201K-S-2	ROV07H201K	200	±10%	130	170	340	1750	1250	0.25	17.5	220	.07	.07	.06
650-ROV07H221K-2	ROV07H221K	220	±10%	140	180	360	1750	1250	0.25	19	190	.07	.07	.06
650-ROV07H241K-S-2	ROV07H241K	240	±10%	150	200	395	1750	1250	0.25	21	190	.06	.06	.06
650-ROV07H271K-S-2	ROV07H271K	270	±10%	175	225	455	1750	1250	0.25	24	160	.06	.06	.06
650-ROV07H301K-S	ROV07H301K	300	±10%	195	250	505	1750	1250	0.25	26	140	.06	.06	.05
650-ROV07H331K-S	ROV07H331K	330	±10%	210	275	550	1750	1250	0.25	28	140	.06	.06	.06
650-ROV07H361K	ROV07H361K	360	±10%	230	300	595	1750	1250	0.25	32	120	.06	.06	.06
650-ROV07H391K-S-2	ROV07H391K	390	±10%	250	320	650	1750	1250	0.25	35	110	.06	.06	.06
650-ROV07H431K-2	ROV07H431K	430	±10%	275	350	710	1750	1250	0.25	40	110	.06	.06	.06
650-ROV07H471K-S-2	ROV07H471K	470	±10%	300	385	775	1750	1250	0.25	42	100	.06	.06	.06
650-ROV07H511K-2	ROV07H511K	510	±10%	320	418	842	1750	1250	0.25	45	100	.08	.07	.07
650-ROV07H561K-S-2	ROV07H561K	560	±10%	350	460	920	1750	1250	0.25	51	85	.08	.07	.07
10mm H Series, High Surge														
650-ROV10H201K-S-2	ROV10H201K	200	±10%	130	170	340	3500	2500	0.4	35	400	.10	.10	.09
650-ROV10H221K-S-2	ROV10H221K	220	±10%	140	180	360	3500	2500	0.4	39	390	.10	.10	.09
650-ROV10H241K-S-2	ROV10H241K	240	±10%	150	200	395	3500	2500	0.4	42	330	.09	.08	.08
650-ROV10H271K-S-2	ROV10H271K	270	±10%	175	225	455	3500	2500	0.4	49	330	.09	.08	.08
650-ROV10H301K-S-2	ROV10H301K	300	±10%	195	250	505	3500	2500	0.4	52	280	.10	.10	.09
650-ROV10H331K-S-2	ROV10H331K	330	±10%	210	275	550	3500	2500	0.4	58	280	.11	.11	.10
650-ROV10H361K-S-2	ROV10H361K	360	±10%	230	300	595	3500	2500	0.4	65	230	.11	.11	.10
650-ROV10H391K-S-2	ROV10H391K	390	±10%	250	320	650	3500	2500	0.4	70	250	.10	.10	.09
650-ROV10H431K-S-2	ROV10H431K	430	±10%	275	350	710	3500	2500	0.4	80	220	.10	.10	.09
650-ROV10H471K-S-2	ROV10H471K	470	±10%	300	385	775	3500	2500	0.4	85	210	.10	.10	.09
650-ROV10H511K-S-2	ROV10H511K	510	±10%	320	418	842	3500	2500	0.4	92	190	.13	.12	.12
650-ROV10H561K-S-2	ROV10H561K	560	±10%	350	460	920	3500	2500	0.4	102	190	.12	.11	.11
14mm H Series, High Surge														
650-ROV14H201K-S-2	ROV14H201K	200	±10%	130	170	340	6000	4500	0.6	70	840	.15	.15	.14
650-ROV14H221K-S-2	ROV14H221K	220	±10%	140	180	360	6000	4500	0.6	78	710	.15	.15	.14
650-ROV14H241K-S-2	ROV14H241K	240	±10%	150	200	395	6000	4500	0.6	84	770	.13	.13	.12
650-ROV14H271K-S-2	ROV14H271K	270	±10%	175	225	455	6000	4500	0.6	99	650	.13	.13	.12
650-ROV14H301K-S-2	ROV14H301K	300	±10%	195	250	505	6000	4500	0.6	105	650	.15	.14	.14
650-ROV14H331K-S-2	ROV14H331K	330	±10%	210	275	550	6000	4500	0.6	115	610	.16	.15	.15
650-ROV14H361K-S-2	ROV14H361K	360	±10%	230	300	595	6000	4500	0.6	130	470	.16	.15	.15
650-ROV14H391K-S-2	ROV14H391K	390	±10%	250	320	650	6000	4500	0.6	140	460	.14	.14	.13
650-ROV14H431K-S-2	ROV14H431K	430	±10%	275	350	710	6000	4500	0.6	155	450	.14	.14	.13
650-ROV14H471K-S-2	ROV14H471K	470	±10%	300	385	775	6000	4500	0.6	175	420	.14	.14	.13
650-ROV14H511K-S	ROV14H511K	510	±10%	320	418	842	6000	4500	0.6	190	370	.18	.17	.17
650-ROV14H561K-S-2	ROV14H561K	560	±10%	350	460	920	6000	4500	0.6	205	400	.17	.16	.16
20mm H Series, High Surge														
650-ROV20H201K-S-2	ROV20H201K	200	±10%	130	170	340	10000	6500	1	140	1830	.35	.33	.32
650-ROV20H221K-S-2	ROV20H221K	220	±10%	140	180	360	10000	6500	1	155	1600	.35	.33	.32
650-ROV20H241K-S-2	ROV20H241K	240	±10%	150	200	395	10000	6500	1	168	1420	.30	.29	.27
650-ROV20H271K-S-2	ROV20H271K	270	±10%	175	225	455	10000	6500	1	190	1260	.30	.29	.27
650-ROV20H301K-S-2	ROV20H301K	300	±10%	195	250	505	10000	6500	1	210	1100	.34	.33	.31
650-ROV20H331K-S-2	ROV20H331K	330	±10%	210	275	550	10000	6500	1	228	1110	.36	.35	.33
650-ROV20H361K-S-2	ROV20H361K	360	±10%	230	300	595	10000	6500	1	255	990	.36	.35	.33
650-ROV20H391K-S-2	ROV20H391K	390	±10%	250	320	650	10000	6500	1	275	980	.34	.33	.31
650-ROV20H431K-S-2	ROV20H431K	430	±10%	275	350	710	10000	6500	1	303	860	.34	.33	.31
650-ROV20H471K-S-2	ROV20H471K	470	±10%	300	385	775	10000	6500	1	350	760	.34	.33	.31
650-ROV20H511K-S-2	ROV20H511K	510	±10%	320	418	842	10000	6500	1	382	790	.38	.36	.34
650-ROV20H561K-S-2	ROV20H561K	560	±10%	350	460	920	10000	6500	1	410	680	.38	.36	.34
14mm E Series, Extra High Surge														
650-ROV14E201K-S	ROV14E201K	200	±10%	130	170	340	6500	6000	0.6	84	840	.16	.15	.15
650-ROV14E221K-S	ROV14E221K	220	±10%	140	180	360	6500	6000	0.6	93	710	.16	.15	.15
650-ROV14E241K-S-2	ROV14E241K	240	±10%	150	200	395	6500	6000	0.6	101	770	.15	.14	.13
20mm E Series, Extra High Surge														
650-ROV20E201K-S-2	ROV20E201K	200	±10%	130	170	340	12500	10000	1	168	2250	.38	.36	.34
650-ROV20E221K-S	ROV20E221K	220	±10%	140	180	360	12500	10000	1	186	2050	.36	.34	.33

RoHS Compliant

Kinked Lead (Standard)



Straight Lead (-S)



Diameter	5mm	7mm
A max.	7.5	9
I ± .05	0.6	0.6
E ± 1	5	5
B max.	11	13
C min.	4.5	4.5
C max.	7.9	8.3
D1 min.	25	25
D min.	24	24

Diameter	10mm	14mm
A max.	12.5	16.5
I ± .05	0.8	0.8
E ± 1	7.5	7.5
B max.	18	22
C min.	4.9	5
C max.	12.6	12.8
D1 min.	25	25
D min.	24	24

Diameter	20mm
A max.	23
I ± .05	1
E ± 1	10
B max.	28
C min.	5.2
C max.	13.5
D1 min.	25
D min.	24

VISHAY BC COMPONENTS Radial Leaded Metal Oxide Varistors

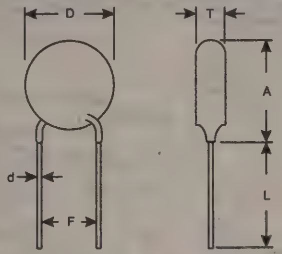
RoHS Compliant **This page of product is compliant.**

VISHAY 2381 59x xxxx SERIES

The varistors consist of a disc of ceramic material with two tinned solid copper leads.

They are coated with a layer of epoxy, which provides electrical, mechanical, and climactic protection. The encapsulation is resistant to all cleaning solvents in accordance with "IEC 60068-2-45".

Features:
- Zinc oxide disc, epoxy coated
- Non-flammable
- Lead Free



LEAD-FREE

RoHS Compliant

Model	DIMENSIONS: mm							
	D (max.)	A (max.)	A_0 (max.)	L (min.)	T (max.)	T (min.)	øD	F
2381 592	7.0	9.0	11.0	27.0	6	4.1	0.6 ±.05	5 ±0.6/-0.1
2381 593	9.0	11.0	13.0	27.0	6	4.1	0.6 ±.05	5 ±0.6/-0.1
2381 594	13.5	15.5	18.0	17.0	7	4.4	0.8 ±.05	7.5 ±0.8
2381 595	17.0	19.0	23.0	16.0	7	4.4	0.8 ±.05	7.5 ±0.8

For quantities of 2,500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Max. Cont. Voltage		Voltage @ 1mA (V)	Max. Volt. @ Current		Max. Energy (J)	Max. Non Rep. Transient	Typical Capacitance (pF)	Price Each				
		RMS (V)	DC (V)		V (V)	I (A)				1	25	50	100	500
594-2381-592-53006	238159253006	30	38	47	96	1	1.1	100	700	.29	.26	.22	.20	.16
594-2381-592-53506	238159253506	35	45	56	123	1	1.4	100	560	.29	.26	.22	.20	.16
594-2381-592-54006	238159254006	40	56	68	145	1	1.6	100	460	.29	.26	.22	.20	.16
594-2381-592-55006	238159255006	50	65	82	145	5	2.6	400	370	.29	.26	.22	.20	.16
594-2381-592-56006	238159256006	60	85	100	165	5	2.9	400	290	.29	.26	.22	.20	.16
594-2381-592-57506	238159257506	75	100	120	190	5	3.4	400	240	.29	.26	.22	.20	.16
594-2381-592-51316	238159251316	130	170	205	310	5	5.5	400	130	.29	.26	.22	.20	.16
594-2381-592-51416	238159251416	140	180	220	350	5	6.3	400	120	.29	.26	.22	.20	.16
594-2381-592-51516	238159251516	150	200	240	395	5	7.1	400	110	.29	.26	.22	.20	.16
594-2381-592-51716	238159251716	175	225	275	410	5	7.3	400	90	.29	.26	.22	.20	.16
594-2381-592-52516	238159252516	250	320	390	600	5	11	400	60	.29	.26	.22	.20	.16
594-2381-592-52716	238159252716	275	350	430	695	5	12	400	55	.29	.26	.22	.20	.16
594-2381-592-53816	238159253816	385	505	620	1000	5	18	400	40	.29	.26	.22	.20	.16
594-2381-592-54616	238159254616	460	615	750	1200	5	21	400	30	.29	.26	.22	.20	.16
594-2381-593-53006	238159353006	30	38	47	93	2.5	3.6	250	1600	.31	.28	.24	.22	.18
594-2381-593-53506	238159353506	35	45	56	115	2.5	4.4	250	1300	.31	.28	.24	.22	.18
594-2381-593-54006	238159354006	40	56	68	135	2.5	5.2	250	1000	.31	.28	.24	.22	.18
594-2381-593-55006	238159355006	50	65	82	140	10	7	1200	900	.31	.28	.24	.22	.18
594-2381-593-57506	238159357506	75	100	120	200	10	10	1200	130	.31	.28	.24	.22	.18
594-2381-593-51316	238159351316	130	170	205	340	10	17	1200	320	.31	.28	.24	.22	.18
594-2381-593-51416	238159351416	140	180	220	370	10	21	1200	290	.31	.28	.24	.22	.18
594-2381-593-51516	238159351516	150	200	240	400	10	20	1200	270	.31	.28	.24	.22	.18
594-2381-593-51716	238159351716	175	225	275	455	10	23	1200	230	.31	.28	.24	.22	.18
594-2381-593-52316	238159352316	230	300	360	600	10	30	1200	170	.31	.28	.24	.22	.18
594-2381-593-52716	238159352716	275	350	430	710	10	36	1200	140	.31	.28	.24	.22	.18
594-2381-593-53016	238159353016	300	385	470	800	10	40	1200	130	.31	.28	.24	.22	.18
594-2381-593-53216	238159353216	320	420	510	850	10	44	1200	120	.31	.28	.24	.22	.18
594-2381-593-53816	238159353816	385	505	620	1025	10	51	1200	95	.31	.28	.24	.22	.18
594-2381-593-54616	238159354616	460	615	750	1240	10	63	1200	75	.31	.28	.24	.22	.18
594-2381-594-53006	238159453006	30	38	47	93	5	9.2	500	2700	.52	.45	.39	.37	.29
594-2381-594-53506	238159453506	35	45	56	110	5	11	500	2200	.52	.45	.39	.37	.29
594-2381-594-54006	238159454006	40	56	68	130	5	13	500	1800	.52	.45	.39	.37	.29
594-2381-594-55006	238159455006	50	65	82	140	25	12	2500	1500	.52	.45	.39	.37	.29
594-2381-594-56006	238159456006	60	85	100	165	25	15	2500	1200	.52	.45	.39	.37	.29
594-2381-594-57506	238159457506	75	100	120	200	25	18	2500	1000	.52	.45	.39	.37	.29
594-2381-594-51316	238159451316	130	170	205	340	25	30	2500	580	.52	.45	.39	.37	.29
594-2381-594-51416	238159451416	140	180	220	370	25	33	2500	540	.52	.45	.39	.37	.29
594-2381-594-51516	238159451516	150	200	240	400	25	36	2500	490	.52	.45	.39	.37	.29
594-2381-594-51716	238159451716	175	225	275	455	25	41	2500	430	.52	.45	.39	.37	.29
594-2381-594-52316	238159452316	230	300	360	600	25	54	2500	320	.52	.45	.39	.37	.29
594-2381-594-52516	238159452516	250	320	390	650	25	58	2500	300	.52	.45	.39	.37	.29
594-2381-594-52716	238159452716	275	350	430	710	25	63	2500	270	.52	.45	.39	.37	.29
594-2381-594-53016	238159453016	300	385	470	800	25	71	2500	240	.52	.45	.39	.37	.29
594-2381-594-53216	238159453216	320	420	510	850	25	77	2500	220	.52	.45	.39	.37	.29
594-2381-594-53816	238159453816	385	505	620	1025	25	67	2500	180	.52	.45	.39	.37	.29
594-2381-594-54216	238159454216	420	560	680	1120	25	73	2500	165	.52	.45	.39	.37	.29
594-2381-594-54616	238159454616	460	615	750	1240	25	82	2500	150	.52	.45	.39	.37	.29
594-2381-594-55116	238159455116	510	670	820	1355	25	89	2500	135	.52	.45	.39	.37	.29
594-2381-594-55516	238159455516	550	745	910	1500	25	98	2500	120	.52	.45	.39	.37	.29
594-2381-595-53006	238159553006	30	38	47	90	10	12	1000	6000	.67	.58	.50	.48	.38
594-2381-595-53506	238159553506	35	45	56	105	10	14	1000	4800	.67	.58	.50	.48	.38
594-2381-595-54006	238159554006	40	56	68	130	10	17	1000	3800	.67	.58	.50	.48	.38
594-2381-595-55006	238159555006	50	65	82	140	50	21	4500	3100	.67	.58	.50	.48	.38
594-2381-595-51316	238159551316	130	170	205	340	50	56	4500	1050	.67	.58	.50	.48	.38
594-2381-595-51416	238159551416	140	180	220	370	50	57	4500	950	.76	.66	.57	.54	.43
594-2381-595-51516	238159551516	150	200	240	400	50	59	4500	850	.72	.62	.54	.51	.41
594-2381-595-51716	238159551716	175	225	275	455	50	67	4500	750	.67	.58	.50	.48	.38
594-2381-595-52316	238159552316	230	300	360	600	50	88	4500	540	.67	.58	.50	.48	.38
594-2381-595-52516	238159552516	250	320	390	650	50	96	4500	480	.67	.58	.50	.48	.38
594-2381-595-52716	238159552716	275	350	430	710	50	104	4500	440	.67	.58	.50	.48	.38
594-2381-595-53016	238159553016	300	385	470	800	50	117	4500	400	.67	.58	.50	.48	.38
594-2381-595-53216	238159553216	320	420	510	850	50	120	4500	370	.67	.58	.50	.48	.38
594-2381-595-53816	238159553816	385	505	620	1025	50	110	4500	280	.67	.58	.50	.48	.38
594-2381-595-54616	238159554616	460	615	750	1240	50	135	4500	225	.67	.58	.50	.48	.38
594-2381-595-55116	238159555116	510	670	820	1355	50	145	4500	220	.67	.58	.50	.48	.38
594-2381-595-55516	238159555516	550	745	910	1500	50	160	4500	180	.67	.58	.50	.48	.38

BOURNS Gas Discharge Tubes

Reliable Electronic Solutions

1669 SERIES TRANSIENT PROTECTOR

DIMENSIONS: mm (In.)

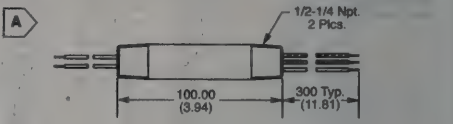
Used for full weather protection of field transmitters and instrumentation operating on 24-28V systems, the 1669 Series protects sensitive I/O circuitry from surges of any polarity or magnitude. Principal use is on 4-20 mA control loops and can be used on grounded (+ or -) or ungrounded circuits. Able to survive and protect even from direct lightning strikes to the transmitter ground or field wiring. Automatic recovery after passage of the surge. Construction is hybrid 3-stage design, using a high surge capacity Balanced Trigard® Gas Tube protector, coordination impedance and silicon suppressors to provide differential and common mode protection with very low clamping levels for delicate loads. The housing is thick walled schedule 40, type 303 stainless steel Wiring is #20 (.5 mm2) 1000V, PVC insulated Solid red and black colors are used for the input; striped colors signify the protected output. The protector ground wire (green) is electrically bonded to the metallic housing; it is for connection to the grounding screw within the field device. Intrinsically Safe (IS) and Flame Proof (FP) versions available conforming to EU Atex Directive 94/9/EC IS version II 1 G Certificate No SIRA99ATEX2154X, EEx ia IIC T4 (P1=1.13W) T5 (P1=0.73W) FP version II 2 G Certificate No. SIRA99ATEX1143X, EEx d IIC T6 Ta=55C Use Model 1669-02/06 for standard ground resistance conditions. Use Model 1669-01 / 05 with higher voltage isolation to ground for sites with high resistance soil conditions or where significant ground potential differences are known to exist.

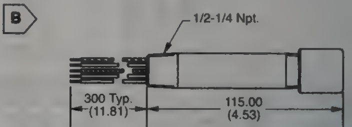
Characteristics:

- Ambient Temperature Range, Storage: -65°C to +130°C
- Operating Temperature: Non-hazardous areas: -40°C to +100°C; Hazardous areas: -20°C to + 55°C
- Maximum Load Current: 150 mA Except when limited for T5 conditions (.73W) 129 mA
- Component Response Time: <1 ns
- Surge Life (L+L)-G: 20 kA 8/20 μs: 20 times; 1 kA 10/1000μs: 1000 times

Features:

- Fits single or dual conduit ports
- Intrinsically Safe (IS) and Flameproof (FP) models available
- Weatherproof
- Long life, high operational reliability
- Stainless steel construction

A


B


For quantities of 50 and up, call for quote.

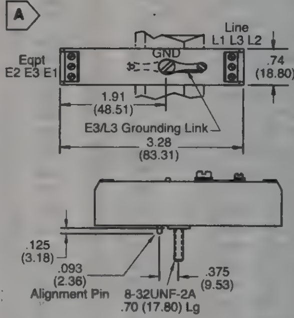
MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Clamping Voltage		Capacitance 1MHz Max.		Price Each				
			L-L	L-G	L-L	L-G	1	2	5	10	25
652-1669-01	1669-01	A	36V	250V	1200pF	40pF	103.90	85.00	80.00	70.00	66.00
652-1669-02	1669-02	A	36V	36V	2000pF	2000pF	103.90	85.00	80.00	70.00	66.00
652-1669-06	1669-06	B	36V	36V	2000pF	2000pF	114.42	92.50	87.00	80.50	75.50

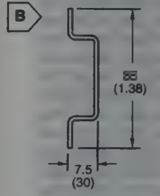
Reliable Electronic Solutions

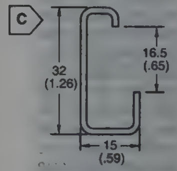
1800 SERIES SIGNAL AND DATALINE PROTECTOR

DIMENSIONS: mm (In.)

Bourns 1800 Series Signal and Dataline Protectors are designed to protect sensitive electronic circuits and components from damaging surge voltages and currents. Their extremely fast response and low clamping voltages make them particularly suitable for the protection of signal and data lines associated with computer, data communication, instrumentation, broadcasting and industrial controls. They may be used directly with EIA standard interfaces RS-232, RS-422, RS-423, RS-485 and with 20mA and 50mA instrumentation loops. Model 1800 Series Signal and Dataline Protectors are fast, rugged and capable of protecting against fast rising voltage transients as well as the severe current surges associated with lightning discharges. Method of Operation: Bourns 1800 Series are heavy-duty, multi-staged protectors. A solid-state section intercepts the leading edge of the surge with subnanosecond response time. Within microseconds a 3-pole common chambered Gas Tube capable of handling 200,000 ampere lightning currents operates and crowbars the surge to ground. The protector remains in the crowbar state until the surge has passed and line voltages return to safe levels, then automatically restores the line to normal operation. There is no need for resetting a breaker or replacing a fuse. Application: Protectors are generally placed at each end of a signal or data line or current loop. In the case of daisy-chain configurations (such as RS-485), protectors are placed at each node. 1820 models provide both line-to-ground and line-to-line protection and are designed to use on differential signals (such as RS-422 or RS-485) and most current loops. 1810 models provide line-to-ground protection for two separate circuits and are designed for use on ground referenced signals (such as RS-232) and 4-20 mA loops where the return wire is grounded at the protector. The 1811 and 1821 models provide the same protection modes for high frequency applications. Related Bourns Protectors: For outdoor applications with 1/2 inch NPT ports (such as field-mounted 4-20mA transmitters), please refer to Bourns 1669 Series Protector. In this application, the mixed use of an 1800 Series Protector at the controller and a 1669 Series Protector at the field is recommended.

A


B


C


Characteristics:

- Surge Life:
  - >100 operations with 200 Amps: 10 x 1000 μsec
  - >10 operations with 10,000 Amps: 8 x 20 μsec
- DC Leakage Current at Rated L/G Voltage: >10 μAmps
- Signal/Data Attenuation at Maximum Data Rate: 3db with 600 Ω termination
- Operating Temperature: -40°C to + 60°C
- Response Time: 50 pico-seconds
- Wire Size: 22-14 AWG

Features:

- Low peak clamping voltage even during severe current surges
- Ability to repeatedly protect against surge currents in excess of 10,000 amperes
- Convenient mounting and grounding to any flat surface or to Din 1 (TS-32) or DIN-3 (TS-35) rail
- Cable shields are passed through and may be either grounded or not grounded at the protector
- Vibration-proof screw-type clamp terminals
- Flame-resistant epoxy-filled housing

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Price Each				
			1	2	5	10	25
652-1810-28-A1	1810-28-A1	A	96.00	77.60	66.80	62.80	58.00
652-1810-28-A3	1810-28-A3	A	102.02	82.46	70.67	66.74	61.63
652-1820-28-A1	1820-28-A1	A	116.07	92.45	81.31	73.35	69.64
652-1820-28-A3	1820-28-A3	A	103.95	86.50	75.00	67.50	63.50

Din Rail for 1800 Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Use with Bourns Part No.	Fig.	Description	Price Each		
				1	10	50
651-5602100	18XX-28-A1	B	35mm x 7.5mm x 1m DIN Rail Perf.	9.98	9.18	8.26
651-1201002-C-1M	18XX-28-A3	C	32mm x 15mm x1m DIN Rail Perf	15.00	13.75	12.50

Reliable Electronic Solutions

2027 SERIES - 2-POLE GAS DISCHARGE TUBE

DIMENSIONS: mm (In.)

Characteristics:

- DC Holdover Voltage 1: 135 V (52 V for Model 2027-09, 80 V for Model 2027-15)/< 150 ms
- Impulse Discharge Current: 25000 A, 8/20 μs 2/1 operation minimum; 10000 A, 8/20 μs/> 10 operations; 500 A, 10/1000 μs/> 400 operations; 100 A, 10/1000 μs or 10/700 μs/> 1000 operations
- Alternating Discharge Current: 65 Arms, 11 cycles 2; 1 operation minimum
- Operating Temperature: -55°C to +250°C

Features:

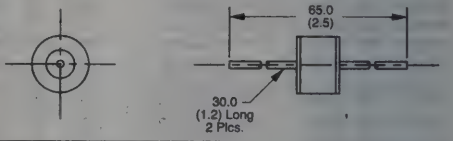
- 8mm diameter, 6mm long
- UL recognized
- Custom configurations available
- High surge current rating
- Stable breakdown throughout life

Applications:

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	DC Sparkover		Impulse Sparkover		Price Each				
		@ 100V/s	Tolerance (±)	100V/μs	1000V/μs	1	25	50	100	500
652-2027-09-B	2027-09-B	90	20%	300V	500V	2.15	1.89	1.73	1.55	1.40
652-2027-15-B	2027-15-B	150	15%	350V	575V	2.15	1.89	1.73	1.55	1.40
652-2027-35-B	2027-35-B	350	15%	600V	875V	2.15	1.89	1.73	1.55	1.40



Reliable Electronic Solutions

SURGE PROTECTOR TEST SET FOR GAS DISCHARGE TUBES

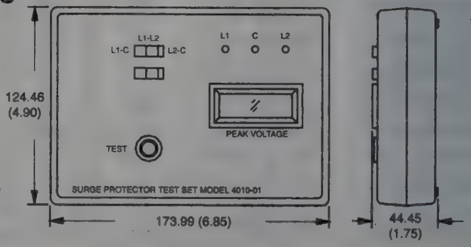
DIMENSIONS: mm (In.)

Features:

- Lightweight, hand-held design
- Easy to read LCD display
- Simple operation
- High accuracy peak reading circuit
- Wide 10-1000V Test Range
- Precise auto-sensing shutoff

Applications (Suitable for Testing):

- Gas Tubes
- Carbon Gaps
- MOVs
- Zener and avalanche diodes
- Thyristor devices
- Finished product



MOUSER STOCK NO.	Accessories Included	Price Each
652-4010-01-B	Nylon Case, 48 inch leads with Alligator Clips	722.33

BOURNS Gas Discharge Tubes

Reliable Electronic Solutions

2035 SERIES PRECISION GAS DISCHARGE TUBE SURGE PROTECTOR

Bourns now offers a surface mount (SM) 2-electrode GDT surge protection device. The industry-leading quality and features of the Bourns® miniature 2035 Series GDT continue in this new SM version. Compatible with "pick and place" assembly systems, the SM is ideal for high-density applications such as PCBs for telecommunications, commercial and industrial applications.

Specifications :

- Insulation Resistance: 100V (50V for 2035-09); >10^{10}Ω
- Glow Voltage: 10 mA; -70V
- Arc Voltage: >1A; -10V
- Glow-Arc Transition Current: <0.5A
- Capacitance: 1 MHz; <1 pF
- DC Holdover Voltage: >135V, (52V for 2035-09, 80V for 2035-15); <150ms
- Impulse Discharge Current:
  20000A, 8/20μs^2; 1 operation min.
  5000A, 8/20μs; >10 operations
  100A, 10/1000μs; >300 operations
  100A, 10/700μs; >500 operations
- Alternating Discharge Current:
  20Arms, 11 cycles^2; 1 operation min.
  5Arms, 1s; >10 operations
- Operating Temperature: -55 to 80°C

Features:

- Leadless, surface mount for economical assembly
- Compact mini-size
- High surge current rating
- Low capacitance and insertion loss
- Stable breakdown throughout life
- UL recognition pending

Sparkover limits after life ±20% (-25%, +30% for 2035-09, 2035-60, IR>10^8Ω
1-Network applied
2-Tube may exceed ±0% but will continue to protect without venting

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Sparkover @100V/s	Impulse Sparkover 100V/us	Price Each 1	25	50	100	500
652-2035-09-SM	2035-09-SM	A	90	350	4.06	3.48	3.19	2.90	2.61
652-2035-15-SM	2035-15-SM	A	150	400	4.06	3.48	3.19	2.90	2.61
652-2035-20-SM	2035-20-SM	A	200	425	4.06	3.48	3.19	2.90	2.61
652-2035-23-SM	2035-23-SM	A	230	450	4.06	3.48	3.19	2.90	2.61
652-2035-25-SM	2035-25-SM	A	250	475	4.06	3.48	3.19	2.90	2.61
652-2035-30-SM	2035-30-SM	A	300	525	4.06	3.48	3.19	2.90	2.61
652-2035-35-SM	2035-35-SM	A	350	600	4.06	3.48	3.19	2.90	2.61
652-2035-40-SM	2035-40-SM	A	400	650	4.06	3.48	3.19	2.90	2.61
652-2035-42-SM	2035-42-SM	A	420	675	4.06	3.48	3.19	2.90	2.61
652-2035-47-SM	2035-47-SM	A	470	750	4.06	3.48	3.19	2.90	2.61
652-2035-60-SM	2035-60-SM	A	600	950	4.06	3.48	3.19	2.90	2.61

Reliable Electronic Solutions

2035/2037 SERIES MINIATURE 2-POLE GAS DISCHARGE TUBE

Specifications:

- Single Impulse AC Discharge Current (A): 20 Arms
- AC follow current (Apeak): 5 Arms
- Impulse Life (No. of Pulses): 100 A, 10/1000 μs >300 operations
- Impulse Life (No. of Pulses): 100 A, 10/700 μs >500 operations

Features:

- 5mm diameter, 4mm long (2035 series)
- 5mm diameter, 5mm long (2037 series)
- UL recognized
- High surge current rating
- Stable breakdown throughout life

Applications:

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Sparkover @ 100 V/s	Diameter x Length (mm)	Single Impulse Discharge Current (kA) 8/20 μs	Impulse Breakdown Voltage Volts @ 100 V/μs	Impulse Breakdown Voltage Volts @ 1000 V/μs	DC Holdover Voltage (V)3	Price Each 1	25	50	100	500
652-2035-09-B	2035-09-B	B	90 V ±20%	5 x 4.0	20 kA	300	550	52	3.22	2.72	2.48	2.23	1.98
652-2035-15-B	2035-15-B	B	150 V ±15%	5 x 4.0	20 kA	350	550	80	3.22	2.72	2.48	2.23	1.98
652-2035-35-B	2035-35-B	B	350 V ±15%	5 x 4.0	20 kA	600	750	135	3.22	2.72	2.48	2.23	1.98
652-2037-15-B	2037-15-B	B	150 V ±15%	5 x 4.0	20 kA	350	550	80	3.22	2.72	2.48	2.23	1.98
652-2037-35-B	2037-35-B	B	350 V ±15%	5 x 4.0	20 kA	600	750	135	3.22	2.72	2.48	2.23	1.98

Reliable Electronic Solutions

2026 SERIES 3-POLE GAS DISCHARGE TUBE

Characteristics:

- Single Impulse AC Discharge Current (A): 130 Arms
- AC follow current (Apeak): 20 Arms
- Impulse Life (No. of Pulses): 20 kA, 8/20 μs >10 operations
- Impulse Life (No. Oof Pulses): 1 kA, 10/1000 μs >400 operations

Features:

- Balanced TRIGARD®
- 8mm diameter, 11mm long
- UL recognized
- Custom configurations available
- High surge current rating
- Stable breakdown throughout life

Applications:

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Sparkover ±X% @ 100 V/s	Diameter x Length (mm)	Single Impulse Discharge Current (kA) 8/20 μs	Impulse Breakdown Voltage Volts @ 100 V/μs	Impulse Breakdown Voltage Volts @ 1000 V/μs	DC Holdover Voltage (V)3	Price Each 1	25	50	100	500
652-2026-15-C2	2026-15-C2	C	150 V ±20%	8 x11.0	40 kA	350	575	80	3.93	3.53	3.45	3.14	2.83
652-2026-35-C2	2026-35-C2	C	350 V ±20%	8 x11.0	40 kA	625	875	135	3.93	3.53	3.45	3.14	2.83
652-2026-15-C2F	2026-15-C2F	D	150 V ±20%	8 x11.0	40 kA	350	575	80	3.93	3.53	3.45	3.14	2.83
652-2026-35-C2F	2026-35-C2-F	D	350 V ±20%	8 x11.0	40 kA	625	875	135	3.93	3.53	3.45	3.14	2.83

Reliable Electronic Solutions

2036 SERIES MINIATURE 3-POLE GAS DISCHARGE TUBE

Features:

- 8mm diameter, 6mm long
- UL recognized
- Custom configurations available
- High surge current rating
- Stable breakdown throughout life

Applications:

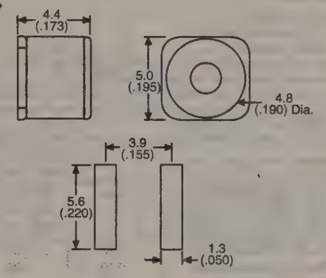
- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

For quantities greater than 1000, call for quote.

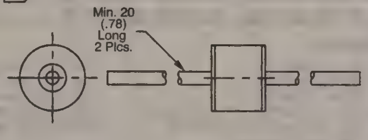
MOUSER STOCK NO.	Bourns Part No.	Fig.	DC Sparkover ±X% @ 100 V/s	Diameter x Length (mm)	Single Impulse Discharge Current (kA) 8/20 μs	Impulse Breakdown Voltage Volts @ 100 V/μs	Impulse Breakdown Voltage Volts @ 1000 V/μs	DC Holdover Voltage (V)3	Price Each 1	25	50	100	500
652-2036-09-B	2036-09-B	E	90 V ±20%	5 x 7.5	20 kA	250	550	52	6.12	5.40	5.04	4.68	4.03
652-2036-15-B	2036-15-B	E	150 V ±20%	5 x 7.5	20 kA	350	500	80	6.12	5.40	5.04	4.68	4.03
652-2036-23-B	2036-23-B	E	230 V ±20%	5 x 7.5	20 kA	450	600	135	6.12	5.40	5.04	4.68	4.03
652-2036-35-C2	2036-35-C2	F	350 V ±20%	5 x 8.8	20 kA	600	750	135	6.12	5.40	5.04	4.68	4.03

DIMENSIONS: mm (in.)

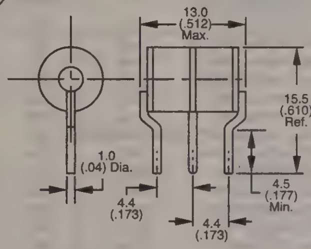
A



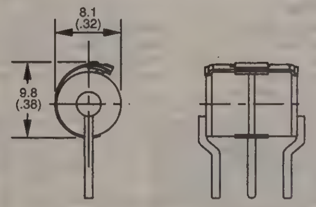
B



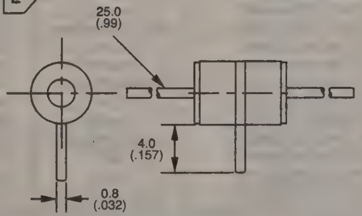
C



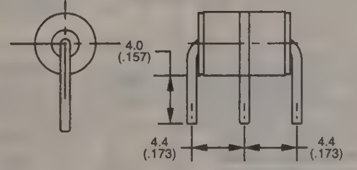
D



E



F



LITTELFUSE Greentube™ Gas Plasma Arresters

Littelfuse

(High Performance Beta Range)

RoHS Compliant This page of product is compliant.

LITTELFUSE SL1002 SURFACE MOUNT SERIES

Features:

- RoHS compliant
- Ultra Low Insertion Loss
- Surface mountable
- 5KA surge capability tested with 8/20μS pulse as defined by IEC 61000-4-5
- Excellent response to fast rising transients.
- Can be used to meet Telcordia GR1089 without series resistance
- 10/700 6KV capability, as per ITUT k.21, enhanced test level
- 2000 Amp 2/10μS surge rating
- Meets FCC part 68 10/160μs waveform, 200A test and 10/560μs waveform 100A test.

Mechanical Specifications:

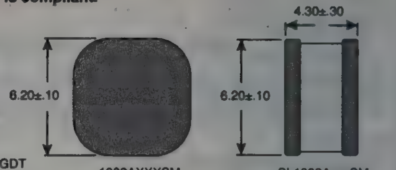
- Weight: 0.63g (0.022 oz.)
- Materials: Electrode Base: Nickel Iron Alloy
- Electrode Plating: Bright Sn
- Body: Ceramic
- Device Marking: 'LF' logo, Voltage and date code

Applications:

- Broadband equipment
- ADSL equipment
- XDSL equipment
- Satellite and CATV equipment
- General telecom equipment

RoHS Compliant

2 Electrode GDT Graphical Symbol



1002AXXXSM SL1002AxxxSM

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	DC Voltage @ 100V/sec (V)	Max Dynamic Breakover Voltage @ 100V/μs (Vbr)	Max Dynamic Breakover Voltage @ 1kV/μs (Vbr)	Max Repetitive Impulse Discharge Current (kA)	Max Single Impulse Discharge Current (A)	Max Leakage Current (nA)	Max Capacitance (pF)	Holdover Voltage (V)	Nominal On-State Voltage @ 1A	Price Each			
										1	10	100	250
576-SL1002A090SM	90	360	700	5	2	100	1.2	50	20	.78	.74	.71	.67
576-SL1002A230SM	230	400	500	5	2	100	1.2	135	20	.78	.74	.71	.67
576-SL1002A350SM	350	500	600	5	2	100	1.2	135	20	.78	.74	.71	.67
576-SL1002A600SM	600	800	900	5	2	100	1.2	135	20	.78	.74	.71	.67

LITTELFUSE SL1003 SERIES

Features:

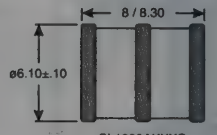
- RoHS compliant
- Low insertion loss
- Surface mountable
- 5KA surge capability tested with 8/20μS pulse as defined by IEC 61000-4-5
- GHz working frequency
- Excellent response to fast rising transients
- Can be used to meet Telcordia GR1089 without series resistance
- 10/700 6KV capability, as per ITUT k.21, enhanced test level
- 2000 Amp 2/10μS surge rating

Applications:

- Broadband equipment
- ADSL equipment
- XDSL equipment
- Satellite and CATV equipment
- General telecom equipment

RoHS Compliant

3 Electrode GDT Graphical Symbol



SL1003AXXXC

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Type	DC Voltage @ 100V/sec (V)	Max Dynamic Breakover Voltage @ 100V/μs (Vbr)	Max Dynamic Breakover Voltage @ 1kV/μs (Vbr)	Max Repetitive Impulse Discharge Current (kA)	Insulation Resistance (Ω)	Alternating Discharge Current (A)	Max Capacitance (pF)	Holdover Voltage (V)	Nominal On-State Voltage @ 1A (V)	Price Each			
											1	10	100	250
576-SL1003A090C	Core	90	600	700	5	1x109 @50V	5	1.2	50	20	1.74	1.66	1.58	1.50
576-SL1003A090R	Radial	90	600	700	5	1x109 @50V	5	1.2	50	20	1.87	1.79	1.70	1.62
576-SL1003A090SM	SMD	90	600	700	5	1x109 @50V	5	1.2	50	20	1.87	1.79	1.70	1.62
576-SL1003A230C	Core	230	350	500	5	1x109 @100V	5	1.2	135	20	1.74	1.66	1.58	1.50
576-SL1003A230R	Radial	230	350	500	5	1x109 @100V	5	1.2	135	20	1.87	1.79	1.70	1.62
576-SL1003A230RF	Radial w/Failsafe	230	350	500	5	1x109 @100V	5	1.2	135	20	2.14	2.04	1.95	1.85
576-SL1003A230SM	SMD	230	350	500	5	1x109 @100V	5	1.2	135	20	1.87	1.79	1.70	1.62
576-SL1003A350C	Core	350	500	700	5	1x109 @100V	5	1.2	135	20	1.74	1.66	1.58	1.50
576-SL1003A350R	Radial	350	500	700	5	1x109 @100V	5	1.2	135	20	1.87	1.79	1.70	1.62
576-SL1003A350SM	SMD	350	500	700	5	1x109 @100V	5	1.2	135	20	1.87	1.79	1.70	1.62
576-SL1003A400C	Core	400	550	800	5	1x109 @100V	5	1.2	135	20	1.74	1.66	1.58	1.50
576-SL1003A400R	Radial	400	550	800	5	1x109 @100V	5	1.2	135	20	1.87	1.79	1.70	1.62
576-SL1003A400SM	SMD	400	550	800	5	1x109 @100V	5	1.2	135	20	1.87	1.79	1.70	1.62

LITTELFUSE SL1024A SERIES

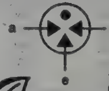
Features:

- RoHS compliant
- Low insertion loss
- Excellent response to fast rising transients.
- Ultra low capacitance.
- 10KA surge capability tested with 8/20μs pulse as defined by IEC 61000-4-5
- Available with thermal failsafe option (add 'F' or 'S' suffix topart number)

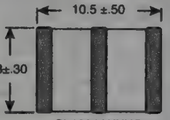
Applications:

- Broadband equipment.
- ADSL equipment.
- XDSL equipment.
- Satellite and CATV equipment.
- Splitters
- General telecom equipment.

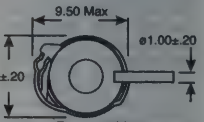
RoHS Compliant



3 Electrode GDT
a = Tip
b = Ring
e = Ground
(centre electrode)
Graphical Symbol



SL1024AXXXC
Standard Core = C



For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Type	DC Voltage (V)	DC Breakover Voltage Min - Max7 @100V/sec (V)	Max Dynamic Breakover Voltage @100/μs (V)	Alternating Discharge Current (A)	Max Repetitive Impulse Discharge Current (kA)	Max Single Impulse Discharge Current (kA)	Max Single Impulse Discharge Current 10/350μs (kA)	Price Each			
									1	10	100	250
576-SL1024A230C	Core	230	184-276	350	10	10	20	2.5	1.34	1.28	1.22	1.16
576-SL1024A230R	Radial	230	184-276	350	10	10	20	2.5	1.50	1.43	1.36	1.29
576-SL1024A230RF	Radial w/Failsafe	230	184-276	350	10	10	20	2.5	1.63	1.56	1.48	1.41
576-SL1024A250C	Core	250	200-300	400	10	10	20	2.5	1.34	1.28	1.22	1.16
576-SL1024A250R	Radial	250	200-300	400	10	10	20	2.5	1.50	1.43	1.36	1.29
576-SL1024A250RF	Radial w/Failsafe	250	200-300	400	10	10	20	2.5	1.63	1.56	1.48	1.41
576-SL1024A350C	Core	350	280-420	500	10	10	20	2.5	1.34	1.28	1.22	1.16
576-SL1024A260R	Radial	350	280-420	500	10	10	20	2.5	1.50	1.43	1.36	1.29
576-SL1024A260RF	Radial w/Failsafe	350	280-420	500	10	10	20	2.5	1.63	1.56	1.48	1.41
576-SL1024A400C	Core	400	320-480	600	10	10	20	2.5	1.34	1.28	1.22	1.16
576-SL1024A400R	Radial	400	320-480	600	10	10	20	2.5	1.50	1.43	1.36	1.29
576-SL1024A400RF	Radial w/Failsafe	400	320-480	600	10	10	20	2.5	1.63	1.56	1.48	1.41
576-SL1024A500C	Core	500	400-500	700	10	10	20	2.5	1.34	1.28	1.22	1.16
576-SL1024A500R	Radial	500	400-500	700	10	10	20	2.5	1.50	1.43	1.36	1.29
576-SL1024A500RF	Radial w/Failsafe	500	400-500	700	10	10	20	2.5	1.63	1.56	1.48	1.41

LITTELFUSE SL0902A SURFACE MOUNT SERIES - BROADBAND OPTIMISED™

Features:

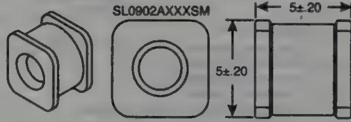
- 2.5KA surge capability tested with 8/20mS pulse as defined by IEC 100-4-5
- Excellent stability on multiple pulse duty cycle.
- Excellent response to fast rising transients.
- Surface mountable
- GHz working frequency

Applications:

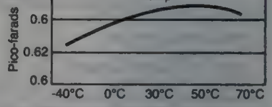
- Broadband equipment.
- ADSL equipment, Incl. ADSL2+.
- XDSL equipment.
- Satellite and CATV equipment.
- General telecom equipment.

RoHS Compliant

2 Electrode GDT Graphical Symbol



Typical capacitance (pF) measured at bias voltages of 0 to 35 vs



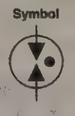
For quantities greater than 500, call for quote.

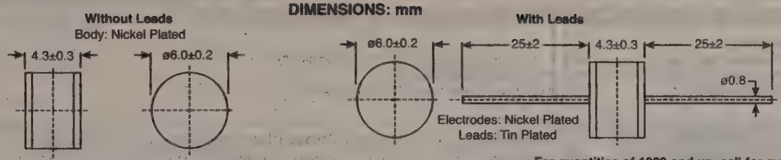
MOUSER STOCK NO.	Holdover Voltage (V)	DC Breakover Voltage @2kV/sec (V)	Max Dynamic Breakover Voltage @100/μs (V)	Max Dynamic Breakover Voltage @1kV/μs (V)	Alternating Discharge Current (A)	Impulse Discharge Current (kA)	Insulation Resistance (Ω)	Max Capacitance (pF)	Price Each			
									1	10	100	250
576-SL0902A090SM	50	72-108	400	600	2.5	2.5	1000M	1.5	.78	.74	.71	.67
576-SL0902A230SM	135	184-276	400	500	2.5	2.5	1000M	1.5	.78	.74	.71	.67
576-SL0902A350SM	135	270-420	550	650	2.5	2.5	1000M	1.5	.78	.74	.71	.67
576-SL0902A420SM	135	350-504	675	800	2.5	2.5	1000M	1.5	.78	.74	.71	.67

RAYCHEM Gas Discharge Tubes

GTCX26 MINIATURE TWO ELECTRODE SERIES

- 300 Time Impulse Life, at 10/1000μs, 50A
- ≥1,000MΩ Insulation Resistance
- ≤1.0pF Capacitance @ 1MHz




DIMENSIONS: mm
Without Leads
Body: Nickel Plated
4.3±0.3
ø6.0±0.2
With Leads
ø6.0±0.2
25±2
4.3±0.3
25±2
ø0.8
Electrodes: Nickel Plated
Leads: Tin Plated

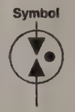
Note: GTCNxx = No Leads, GTCAxx = Axial Leads

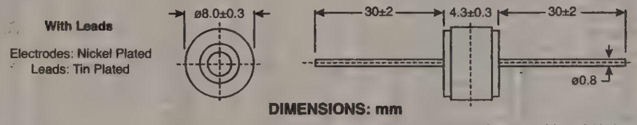
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Sparkover Volt.	Impulse Sparkover Volt.		DC Holdover Volt.	Impulse Discharge Curr. 8/20μs		AC Discharge Curr. 50Hz		Price Each			
	@ 100V/s	@ 100V/μs	@ 1kV/μs	Per ITU K.12	Single	Repeat 10 times (5 times each polarity)	Single. 9 Cycles	Repeat 10 times (1s duration)	1	10	100	500
650-GTCN26-231M-P05B	230V ± 20%	500V	700V	135V	10kA	5kA	20A	5A	.58	.55	.53	.50
650-GTCA26-231M-P05	230V ± 20%	500V	700V	135V	10kA	5kA	20A	5A	.65	.62	.59	.56
650-GTCA26-351M-P05	350V ± 20%	600V	800V	135V	10kA	5kA	20A	5A	.65	.62	.59	.56

GTCX28-XXXX-P05 STANDARD TWO ELECTRODE SERIES

- 300 Time Impulse Life, at 10/1000μs, 100A
- ≥10,000MΩ Insulation Resistance
- ≤1.0pF Capacitance @ 1MHz



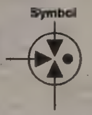

With Leads
Electrodes: Nickel Plated
Leads: Tin Plated
ø8.0±0.3
30±2
4.3±0.3
30±2
ø0.8
DIMENSIONS: mm

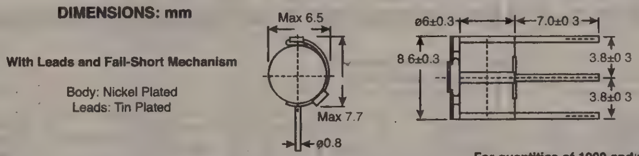
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Sparkover Volt.	Impulse Sparkover Volt.		DC Holdover Volt.	Impulse Discharge Curr. 8/20μs		AC Discharge Curr. 50Hz		Price Each			
	@ 100V/s	@ 100V/μs	@ 1kV/μs	Per ITU K.12	Single	Repeat 10 times (5 times each polarity)	Single. 9 Cycles	Repeat 10 times (1s duration)	1	10	100	500
650-GTCA28-231L-P05	230V ± 15%	600V	750V	135V	10kA	5kA	65A	10A, 5 times	.55	.52	.50	.47
650-GTCA28-351L-P05	350V ± 15%	700V	850V	150V	10kA	5kA	65A	10A, 10 times	.55	.52	.50	.47
650-GTCA28-601L-P05	600V ± 15%	800V	1,000V	150V	10kA	5kA	65A	10A, 10 times	.55	.52	.50	.47

GTCX36 MINIATURE THREE ELECTRODE SERIES

- 300 Times Impulse life, at 10/1000μs, 100A
- ≥1,000MΩ Insulation Resistance
- ≤3.0pF Capacitance @ 1MHz



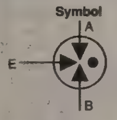

DIMENSIONS: mm
With Leads and Fail-Short Mechanism
Body: Nickel Plated
Leads: Tin Plated
Max 6.5
Max 7.7
ø0.8
ø6±0.3
7.0±0.3
8.6±0.3
3.8±0.3
3.8±0.3

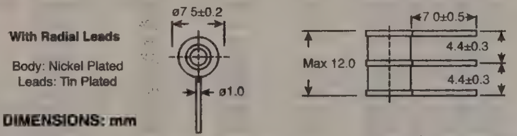
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Sparkover Volt.	Impulse Sparkover Volt.	DC Holdover Volt.	Impulse Discharge Curr. 8/20μs	AC Discharge Curr. 50Hz	Price Each			
	@ 100V/s	@ 1kV/μs	Per ITU K.12	Repeat 10 times (5 times each polarity)	Repeat 5 times (1s interval)	1	10	100	500
650-GTCR36351MP05FS	350V ± 20%	750V	150V	5kA	5A	1.45	1.39	1.32	1.25

GTCX37 THREE ELECTRODE 7.5MM SERIES

- 300 Time Impulse Life, at 10/1000μs, 400A
- ≥1,000MΩ Insulation Resistance
- ≤1.0pF Capacitance @ 1MHz



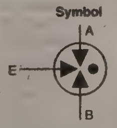

With Radial Leads
Body: Nickel Plated
Leads: Tin Plated
ø7.5±0.2
ø1.0
7.0±0.5
Max 12.0
4.4±0.3
4.4±0.3
DIMENSIONS: mm

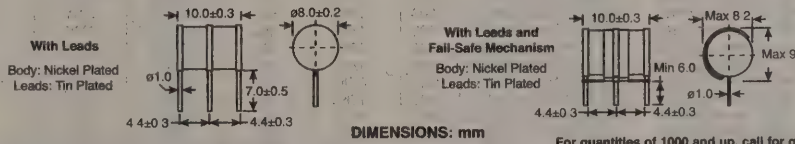
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Sparkover Volt.	Impulse Sparkover Volt.		DC Holdover Volt.	Impulse Discharge Curr. 8/20μs		AC Discharge Curr. 50Hz		Price Each			
	@ 100V/s	@ 100V/μs	@ 1kV/μs	Per ITU K.12	Single	Repeat 10 times (5 times each polarity)	Single. 9 Cycles	Repeat 10 times (1s duration)	1	10	100	500
650-GTCR37-900M-P10	90V ± 20%	700V	850V	52V	20kA	10kA	130A	10A	1.02	.97	.92	.88
650-GTCR37-551M-P10	550V ± 20%	850V	1,000V	150V	20kA	10kA	130A	10A	1.02	.97	.92	.88

GTCX38 THREE ELECTRODE SERIES

- 300 Time Impulse Life, at 10/1000μs, 200A
- ≥1,000MΩ Insulation Resistance
- ≤3.0pF Capacitance @ 1MHz




With Leads
Body: Nickel Plated
Leads: Tin Plated
10.0±0.3
ø8.0±0.2
ø1.0
7.0±0.5
4.4±0.3
4.4±0.3
With Leads and Fail-Safe Mechanism
Body: Nickel Plated
Leads: Tin Plated
10.0±0.3
Max 8.2
Max 9.5
Min 6.0
ø1.0
4.4±0.3
4.4±0.3
DIMENSIONS: mm

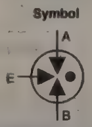
Note: GTCRxx = Radial Leads, -FS= Fail Safe

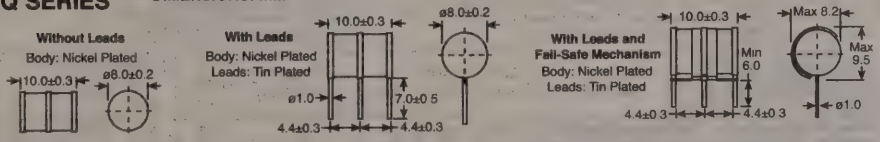
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	DC Sparkover Volt.	Impulse Sparkover Volt.	DC Holdover Volt.	Impulse Discharge Curr. 8/20μs	AC Discharge Curr. 50Hz	Price Each			
	@ 100V/s	@ 1kV/μs	Per ITU K.12	Repeat 10 times (5 times each polarity)	Repeat 5 times (1s duration)	1	10	100	500
650-GTCR38231MP10FS	184 - 280V	700V	135V	10kA	10A	1.05	1.01	.96	.91
650-GTCR38-351M-P20	280 - 420V	900V	80V	20kA	20A	.87	.83	.79	.75
650-GTCR38351MP20FS	280 - 420V	900V	80V	20kA	20A	1.05	1.01	.96	.91

GTCX38 STANDARD THREE ELECTRODE Q SERIES

- 300 Time Impulse Life, at 10/1000μs, 200A
- ≥1,000MΩ Insulation Resistance
- ≤3.0pF Capacitance @ 1MHz




DIMENSIONS: mm
Without Leads
Body: Nickel Plated
10.0±0.3
ø8.0±0.2
With Leads
Body: Nickel Plated
Leads: Tin Plated
10.0±0.3
ø8.0±0.2
ø1.0
7.0±0.5
4.4±0.3
4.4±0.3
With Leads and Fail-Safe Mechanism
Body: Nickel Plated
Leads: Tin Plated
10.0±0.3
Max 8.2
Max 9.5
Min 6.0
ø1.0
4.4±0.3
4.4±0.3

Note: GTCNxx - No Leads, GTCRxx - Radial Leads, -FS - Fail Safe

For quantities of 1000 and up, call for quote.

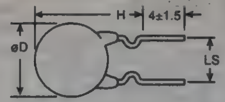
MOUSER STOCK NO.	DC Sparkover Volt.	Impulse Sparkover Volt.		DC Holdover Volt.	Impulse Discharge Curr. 8/20μs	AC Discharge Curr. 50Hz	Price Each			
	@ 100V/s	@ 100V/μs	@ 1kV/μs	Per ITU K.12	Repeat 10 times (5 times each polarity)	Repeat 5 times (1s duration)	1	10	100	500
650-GTCN38-231M-Q10	184 - 280V	600	700V	135V	10kA	10A	.80	.76	.73	.69
650-GTCR38231MQ10FS	184 - 280V	600	700V	135V	10kA	10A	1.05	1.01	.96	.91
650-GTCR38-251M-Q10	200 - 300V	600	700V	135V	10kA	10A	.87	.83	.79	.75
650-GTCR38-421M-Q10	300 - 500V	900	1000	135V	10kA	10A	.87	.83	.79	.75

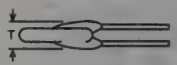
MURATA PTC and NTC Thermistors

RoHS Compliant **This page of product is compliant.**

MURATA POSISTOR® THROUGH-HOLE THERMISTORS

Features:
- Resistance tolerance: ±10%
- Narrow current range
- Quick operating time
- Restores the original low resistance value automatically once the overload is removed
- Non-contact design leads to long life and no noise





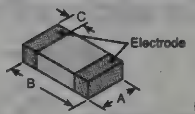
RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Resist. (Ω)	Voltage (max)	Non-Operating Current (mA)	Trip Current (mA)	Max Current (mA)	Dimensions: mm				Price Each			
							øD	T	H	LS	1	50	100	500
81-PTGL12AS0R8K2B	PTGL12AS0R8K2B51B0	0.8	30	685	1352	7000	11.5	3.5	16.5	5.0	.85	.71	.68	.65
81-PTGL09AS1R2K2B	PTGL09AS1R2K2B51B0	1.2	30	556	1097	6000	9.3	3.5	14.3	5.0	.54	.45	.43	.41
81-PTGL12AS1R2K3B	PTGL12AS1R2K3B51B0	1.2	51	592	1168	5000	11.5	3.5	16.5	5.0	.84	.70	.67	.64
81-PTGL07AS1R8K2B	PTGL07AS1R8K2B51B0	1.8	30	420	829	5000	7.3	3.5	12.3	5.0	.42	.35	.33	.31
81-PTGL09AS2R2K3B	PTGL09AS2R2K3B51B0	2.2	51	412	814	4000	9.3	3.5	14.3	5.0	.53	.44	.42	.40
81-PTGL12AS2R2K4B	PTGL12AS2R2K4B51B0	2.2	60	439	867	5000	11.5	3.5	16.5	5.0	.84	.70	.67	.64
81-PTGL07AS2R7K2B	PTGL07AS2R7K2B51B0	2.7	30	336	663	4500	7.3	3.5	12.3	5.0	.42	.35	.33	.31
81-PTGL07AS3R3K3B	PTGL07AS3R3K3B51B0	3.3	51	307	606	3000	7.3	3.5	12.3	5.0	.42	.35	.33	.31
81-PTGL09AS3R3K4B	PTGL09AS3R3K4B51B0	3.3	60	333	656	4000	9.3	3.5	14.3	5.0	.67	.56	.53	.50
81-PTGL05AS3R9K2B	PTGL05AS3R9K2B51B0	3.9	30	269	530	3500	5.5	3.5	10.5	5.0	.38	.32	.30	.29
81-PTGL12AS4R7K6B	PTGL12AS4R7K6B51B0	4.7	140	310	613	3500	11.5	4.5	16.5	5.0	.84	.70	.67	.64
81-PTGL07AS5R6K4B	PTGL07AS5R6K4B51B0	5.6	60	229	452	3000	7.3	3.5	12.3	5.0	.42	.35	.33	.31
81-PTGL07AS5R6K4N	PTGL07AS5R6K4N51B0	5.6	60	186	368	2200	7.3	3.5	12.3	5.0	.42	.35	.33	.31
81-PTGL05AS6R8K3B	PTGL05AS6R8K3B51B0	6.8	51	197	388	1500	5.5	3.5	10.5	5.0	.38	.32	.30	.29
81-PTGL09AS7R6K6B	PTGL09AS7R6K6B51B0	7.6	140	227	447	2200	9.3	4.5	14.3	5.0	.67	.56	.53	.50
81-PTGL04AS100K2B	PTGL04AS100K2B51B0	10	30	167	330	2000	4.5	3.5	9.5	5.0	.34	.28	.27	.26
81-PTGL04AS100K2N	PTGL04AS100K2N51B0	10	30	122	240	1500	4.5	3.5	9.5	5.0	.34	.28	.27	.26
81-PTGL04AS100K3B	PTGL04AS100K3B51B0	10	51	168	332	1000	4.5	3.5	9.5	5.0	.34	.28	.27	.26
81-PTGL05AS100K4B	PTGL05AS100K4B51B0	10	60	170	335	1500	5.5	3.5	10.5	5.0	.36	.30	.29	.28
81-PTGL09AS120K6B	PTGL09AS120K6B51B0	12	140	192	380	2000	9.3	4.5	14.3	5.0	.67	.56	.53	.50
81-PTGL07AS150K6B	PTGL07AS150K6B51B0	15	140	148	292	1500	7.3	4.5	12.3	5.0	.48	.40	.38	.36
81-PTGL04AS220K4B	PTGL04AS220K4B51B0	22	60	115	226	1000	4.5	3.5	9.5	5.0	.34	.28	.27	.26
81-PTGL04AS220K4N	PTGL04AS220K4N51B0	22	60	88	175	1000	4.5	3.5	9.5	5.0	.34	.28	.27	.26
81-PTGL05AS270K6B	PTGL05AS270K6B51B0	27	140	106	209	1000	5.5	4.5	10.5	5.0	.38	.32	.30	.29
81-PTGL04AS560K6B	PTGL04AS560K6B51B0	56	140	74	147	500	5.5	4.5	10.5	5.0	.34	.28	.27	.26

MURATA NTC CHIP THERMISTORS FOR TEMPERATURE COMPENSATION

Features:
- Lead Free
- Excellent solderability and high stability in environment
- Excellent long time aging stability
- High accuracy in resistance and B-constant
- Operating Temperature: -40°C to +125°C



RoHS Compliant

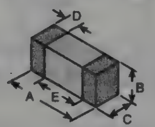
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Resistance (Ω)	Resistance Tolerance	B-Constant	Operating Current (mA)	Typ. Dissipation Constant (mW/°C)	Dimensions: mm			Price Each			
								A	B	C	1	50	100	500
81-NCP03YS110J05RL	NCP03YS110J05RL	0201	11	5%	2750K	9.5	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03YS220J05RL	NCP03YS220J05RL	0201	22	5%	2750K	6.7	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03YS330J05RL	NCP03YS330J05RL	0201	33	5%	2750K	5.5	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03YS470J05RL	NCP03YS470J05RL	0201	47	5%	2750K	4.6	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03YS680J05RL	NCP03YS680J05RL	0201	68	5%	2750K	3.8	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03YS101J05RL	NCP03YS101J05RL	0201	100	5%	2750K	3.1	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03XH682J05RL	NCP03XH682J05RL	0201	6.8K	5%	3380K	0.38	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03XH103J05RL	NCP03XH103J05RL	0201	10K	5%	3380K	0.31	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.35	.31	.24	.20
81-NCP03XH153J05RL	NCP03XH153J05RL	0201	15K	5%	3380K	0.25	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03XH223J05RL	NCP03XH223J05RL	0201	22K	5%	3380K	0.21	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03WF333J05RL	NCP03WF333J05RL	0201	33K	5%	4250K	0.17	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03WB473J05RL	NCP03WB473J05RL	0201	47K	5%	4050K	0.14	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.35	.31	.24	.20
81-NCP03WF683J05RL	NCP03WF683J05RL	0201	68K	5%	4250K	0.12	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03WF104J05RL	NCP03WF104J05RL	0201	100K	5%	4250K	0.10	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03WL154J05RL	NCP03WL154J05RL	0201	150K	5%	4485K	0.08	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP03WL224J05RL	NCP03WL224J05RL	0201	220K	5%	4485K	0.06	1.0	0.30±0.03	0.60±0.03	0.15±0.05	.24	.21	.16	.13
81-NCP15XM472J03RC	NCP15XM472J03RC	0402	4.7K	5%	3500K	0.46	1.0	0.5±0.05	1.0±0.05	0.25±0.10	.14	.12	.10	.08
81-NCP15XH103J03RC	NCP15XH103J03RC	0402	10K	5%	3380K	0.31	1.0	0.5±0.05	1.0±0.05	0.25±0.10	.14	.12	.10	.08
81-NCP15XV103J03RC	NCP15XV103J03RC	0402	10K	5%	3900K	0.31	1.0	0.5±0.05	1.0±0.05	0.25±0.10	.16	.14	.11	.09
81-NCP15WB473J03RC	NCP15WB473J03RC	0402	47K	5%	4050K	0.14	1.0	0.5±0.05	1.0±0.05	0.25±0.10	.14	.12	.10	.08
81-NCP15WF104J03RC	NCP15WF104J03RC	0402	100K	5%	4250K	0.10	1.0	0.5±0.05	1.0±0.05	0.25±0.10	.14	.12	.10	.08
81-NCP18XM472J03RB	NCP18XM472J03RB	0603	4.7K	5%	3500K	0.46	1.0	0.8±0.15	1.6±0.15	0.2 to 0.6	.16	.14	.11	.09
81-NCP18XH103J03RB	NCP18XH103J03RB	0603	10K	5%	3380K	0.31	1.0	0.8±0.15	1.6±0.15	0.2 to 0.6	.16	.14	.11	.09
81-NCP18XV103J03RB	NCP18XV103J03RB	0603	10K	5%	3900K	0.31	1.0	0.8±0.15	1.6±0.15	0.2 to 0.6	.18	.16	.12	.10
81-NCP18XW153J03RB	NCP18XW153J03RB	0603	15K	5%	3950K	0.25	1.0	0.8±0.15	1.6±0.15	0.2 to 0.6	.18	.16	.12	.10
81-NCP18WB473J03RB	NCP18WB473J03RB	0603	47K	5%	4050K	0.14	1.0	0.8±0.15	1.6±0.15	0.2 to 0.6	.16	.14	.11	.09
81-NCP18WF104J03RB	NCP18WF104J03RB	0603	100K	5%	4250K	0.10	1.0	0.8±0.15	1.6±0.15	0.2 to 0.6	.16	.14	.11	.09
81-NCP21XM472J03RA	NCP21XM472J03RA	0805	4.7K	5%	3500K	0.65	2.0	1.25±0.2	2.0±0.2	0.2 to 0.7	.22	.19	.15	.12
81-NCP21XV103J03RA	NCP21XV103J03RA	0805	10K	5%	3900K	0.44	2.0	1.25±0.2	2.0±0.2	0.2 to 0.7	.22	.19	.15	.12
81-NCP21WB473J03RA	NCP21WB473J03RA	0805	47K	5%	4050K	0.20	2.0	1.25±0.2	2.0±0.2	0.2 to 0.7	.22	.19	.15	.12
81-NCP21WF104J03RA	NCP21WF104J03RA	0805	100K	5%	4250K	0.14	2.0	1.25±0.2	2.0±0.2	0.2 to 0.7	.22	.19	.15	.12

MURATA POSISTOR® PTC CHIP THERMISTORS CIRCUIT PROTECTION FOR OVERCURRENT PROTECTION

Overcurrent protection device with resettable function suitable for current limiting resistor. This product is chip type PTC thermistor for overcurrent protection. Suitable for countermeasure for short circuit testing in portable equipment and current limiting resistor.

Features :
- Rapid operation to protect the circuit in an overcurrent condition abnormality such as a short circuit. By removing the overcurrent condition, these products automatically return to the initial condition and can be used repeatedly.
- Stable resistance after operation due to ceramic PTC.
- 0603 SMD type for reflow soldering
- Lead is not contained in the terminations
- Operating temperature: -10°C to +60°C



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Resist. (Ω)	Volt. Max.	Non-Operating Current (mA)	Trip Current (mA)	Current Max (mA)	Curie Point	Dimensions: mm					Price Each			
									A	B	C	D	E	1	50	100	500
81-PRG18BB330MB1RB	PRG18BB330MB1RB	0603	33	24	25	85	900	100°C	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	--	.35	.32	.25	.20
81-PRG18BB470MB1RB	PRG18BB470MB1RB	0603	47	24	20	75	630	100°C	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	--	.35	.32	.25	.20
81-PRG18BB101MB1RB	PRG18BB101MB1RB	0603	100	24	15	55	300	100°C	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	--	.35	.32	.25	.20
81-PRG18BB221MB1RB	PRG18BB221MB1RB	0603	220	24	10	35	130	100°C	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	--	.35	.32	.25	.20
81-PRG18BB471MB1RB	PRG18BB471MB1RB	0603	470	24	7	25	60	100°C	1.6±0.15	0.8±0.15	0.8±0.15	0.1 to 0.6	--	.35	.32	.25	.20
81-PRG21BC0R2MM1RA	PRG21BC0R2MM1RA	0805	0.2	6	500	2000	10000	90°C	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min	0.5min	.96	.88	.69	.55
81-PRG21BC4R7MM1RA	PRG21BC4R7MM1RA	0805	4.7	20	100	400	5000	90°C	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min	0.5min	.84	.73	.57	.47
81-PRG21BC6R8MM1RA	PRG21BC6R8MM1RA	0805	6.8	20	80	320	3500	90°C	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min	0.5min	.84	.73	.57	.47
81-PRG21BB150MB1RK	PRG21BB150MB1RK	0805	15	20	40	140	1600	100°C	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min	0.5min	.58	.53	.41	.33
81-PRG21BB220MB1RK	PRG21BB220MB1RK	0805	22	20	30	110	1100	100°C	2.0±0.2	1.25±0.2	0.9±0.2	0.2 min	0.5min	.58	.53	.41	.33

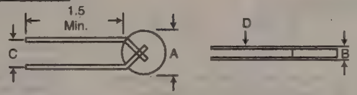
THERMOMETRICS Thermistors and Sensors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

NTC THERMISTORS

NTC (Negative Temperature Coefficient) thermistors decrease in resistance as temperature increases. The maximum operating temperature is 150°C. Zero-power resistance values at 25°C range from 10Ω to 250KΩ; other values available upon request.

*Resistance tolerance is ±10%, except where denoted by an asterisk which is ±20%



DIMENSIONS: in.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	GE Part Number	Ohms (Ω)	A (In.)	B (In.)	C (In.)	D (AWG)	Price Each	
							1	10
*527-1004-100	RL1004-65.6-59-D1	100	.110	.120	.100	26	1.01	.88
527-1003-500	RL1003-312-73-D1	500	.110	.110	.100	26	.99	.86
527-1007-1K	RL1007-624-73-D1	1K	.110	.150	.100	26	.99	.86
527-1003-2K	RL1003-1157-95-D1	2K	.110	.110	.100	26	.99	.86
527-1003-3K	RL1003-1746-97-D1	3K	.110	.110	.100	26	.99	.86
527-1004-5K	RL1004-2910-97-D1	5K	.110	.120	.100	26	.99	.86
527-1009-10K	RL1009-5820-97-D1	10K	.110	.170	.100	26	.99	.86
527-1005-10K	RL1005-5744-103-D1	10K	.110	.130	.100	26	1.47	1.31
527-1007-25K	RL1007-13.8K-120-D1	25K	.110	.150	.100	26	1.07	.93
527-1003-50K	RL1003-26.7K-140-D1	50K	.110	.110	.100	26	1.07	.93
527-1006-100K	RL1006-53.4K-140-D1	100K	.110	.140	.100	26	1.07	.93
527-1004-200K	RL1004-104.7K155-D1	200K	.110	.120	.100	26	1.07	.93
527-1006-250K	RL1006-135.2K-138-D1	250K	.110	.140	.100	26	1.07	.93
*527-2004-25	RL2004-16,4-59-D1	25	.220	.130	.156	24	.74	.65
*527-2007-50	RL2007-32.8-59-D1	50	.220	.160	.156	24	.74	.65
527-2003-100	RL2003-62.4-73-D1	100	.220	.120	.156	24	.72	.63

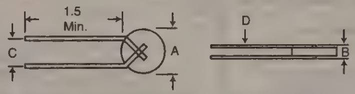
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	GE Part Number	Ohms (Ω)	A (In.)	B (In.)	C (In.)	D (AWG)	Price Each	
							1	10
527-2006-200	RL2006-125-73-D1	200	.220	.150	.156	24	.72	.63
527-2003-500	RL2003-289-95-D1	500	.220	.120	.156	24	.72	.63
527-2004-1K	RL2004-582-97-D1	1K	.220	.130	.156	24	1.07	.96
527-2007-2K	RL2007-1164-97-D1	2K	.220	.160	.156	24	.72	.63
527-2006-2786	RL2006-1600-103-D1	2.786K	.220	.150	.156	24	.72	.63
527-2005-4K	RL2005-2203-120-D1	4K	.220	.140	.156	24	.82	.72
527-2006-5K	RL2006-2753-120-D1	5K	.220	.150	.156	24	1.47	1.42
527-2006-25K	RL2006-13.3K-140-D1	25K	.220	.150	.156	24	.82	.72
527-2008-100K	RL2008-52.3K-155-D1	100K	.220	.170	.156	24	.82	.72
*527-3004-10	RL3004-6.56-59-D1	10	.320	.130	.250	24	.76	.67
527-3504-50	RL3504-31.2-73-D1	50	.370	.130	.250	24	.75	.65
527-3006-100	RL3006-59.4-85-D1	100	.320	.150	.250	24	.75	.65
527-3004-250	RL3004-144-95-D1	250	.320	.130	.250	24	.75	.65
527-3004-500	RL3004-291-97-D1	500	.320	.130	.250	24	.75	.65
527-3005-1K	RL3005-574-103-D1	1K	.320	.140	.250	24	.75	.65
527-3005-13.1K	RL3005-13.1K-155-D1	13.1K	.320	.050	.250	24	.86	.75

INRUSH CURRENT LIMITERS

Limiters protect against extremely high peak inrush current, especially in AC/DC switching power supplies. These NTC thermistors effectively control surge currents because the thermal time constant of the current limiter is longer than the electrical time constant (RC) of the thermistor and the capacitor.

Also available, by special order, with kinked leads.



DIMENSIONS: in.

For quantities of 250 and up, call for quote.

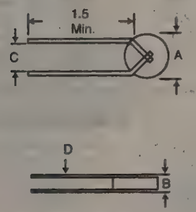
MOUSER STOCK NO.	GE Part Number	Ohms (Ω)	Amps	A Max. (In.)	B Max. (In.)	C Ref. (In.)	D (AWG)	Price Each		
								1	10	100
527-CL30	CL30	2.5	8	.77	.22	.328	18	1.39	1.24	.86
527-CL40	CL40	5	6	.77	.22	.328	18	1.39	1.24	.86
527-CL50	CL50	7	5	.77	.26	.328	18	1.39	1.24	.86
527-CL60	CL60	10	5	.77	.22	.328	18	1.39	1.24	.86
527-CL70	CL70	16	4	.77	.22	.328	18	1.39	1.24	.86
527-CL80	CL80	47	3	.77	.22	.328	18	1.39	1.24	.86
527-CL90	CL90	120	2	.93	.22	.328	18	1.72	1.54	1.06

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	GE Part Number	Ohms (Ω)	Amps	A Max. (In.)	B Max. (In.)	C Ref. (In.)	D (AWG)	Price Each		
								1	10	100
527-CL110	CL110	10	3.2	.40	.17	.250	24	1.22	1.09	.75
527-CL120	CL120	10	1.7	.40	.17	.250	24	1.22	1.09	.75
527-CL130	CL130	50	1.6	.45	.17	.250	24	1.22	1.09	.75
527-CL140	CL140	50	1.1	.45	.17	.250	24	1.22	1.09	.75
527-CL150	CL150	5	4.7	.55	.18	.328	22	1.25	1.12	.77
527-CL160	CL160	5	2.8	.55	.18	.328	22	.84	.73	.63
527-CL170	CL170	16	2.7	.55	.18	.328	22	.84	.73	.63
527-CL180	CL180	16	1.7	.55	.18	.328	22	.84	.73	.63
527-CL190	CL190	25	2.4	.55	.18	.328	22	1.25	1.12	.77
527-CL200	CL200	25	1.7	.55	.18	.328	22	1.61	1.44	.99
527-CL210	CL210	30	1.5	.40	.20	.250	24	.82	.72	.62

PTC THERMISTORS/ RESETTABLE FUSES

The values for dissipation constant and time constant listed in the table below are reference values. Actual values are a function of mounting, air flow and other factors which affect the PTC's (Positive Temperature Coefficient) ability to dissipate heat. Standard PTC's are supplied uninsulated, but can be supplied with an insulation upon request.



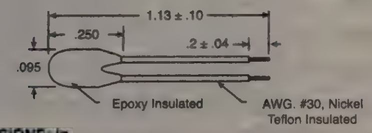
DIMENSIONS: in.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	GE Part Number	Operating Voltage	Ohms (Ω) @ 25°C ±30%	Dissipation Constant mW/°C	Transition Temp. °C T_S	A (In.)	B (In.)	C (In.)	D (AWG)	Price Each		
										1	10	100
527-5305-12V1	RL5305-1-120-12-PTO	12	1	14	120	.60	.15	.33	20	1.02	.89	.77
527-5305-12V2	RL5305-2-120-12-PTO	12	2	14	120	.60	.16	.33	20	1.02	.89	.77
527-3005-12V10	RL3005-10-110-12-PTO	12	10	7	110	.35	.15	.25	24	.81	.71	.61
527-3005-12V25	RL3005-25-110-12-PTO	12	25	7	110	.35	.15	.25	24	.81	.71	.61
527-3006-25V50/50C	RL3006-50-50-25-PTO	25	50	7	50	.35	.15	.25	24	.81	.71	.61
527-3006-25V50/60C	RL3006-50-60-25-PTO	25	50	7	60	.35	.15	.25	24	.81	.71	.61
527-3006-25V50/70C	RL3006-50-70-25-PTO	25	50	7	70	.35	.15	.25	24	.81	.71	.61
527-3006-25V50/80C	RL3006-50-80-25-PTO	25	50	7	80	.35	.15	.25	24	.81	.71	.61
527-3006-25V50/90C	RL3006-50-90-25-PTO	25	50	7	90	.35	.15	.25	24	.77	.68	.61
527-3006-25V50/110C	RL3006-50-110-25-PTO	25	50	7	110	.35	.15	.25	24	.81	.71	.61
527-3006-25V50/120C	RL3006-50-120-25-PTO	25	50	7	120	.35	.15	.25	24	.81	.71	.61
527-5506-50V5	RL5506-5-65-50-PTO	50	5	14	65	.60	.18	.33	20	1.02	.89	.77
527-4006-50V10	RL4006-10-110-50-PTO	50	10	10	110	.45	.17	.25	24	1.15	1.00	.86
527-3312-50V200	RL3312-200-110-50-PTO	50	200	9	110	.40	.23	.25	20	1.15	1.00	.86
527-7510-120V10	RL7510-10-120-120-PTO	120	10	20	120	.80	.23	.33	18	1.79	1.69	1.60
527-6010-120V20	RL6010-20-120-120-PTO	120	20	18	120	.65	.23	.33	20	1.05	.92	.79
527-5510-120V25	RL5510-25-60-120-PTO	120	25	15	60	.60	.22	.33	20	1.80	1.62	1.44
527-4510-120V50	RL4510-50-120-120-PTO	120	50	12	120	.50	.20	.33	22	1.02	.89	.77
527-63-240V40/110C	RL6315-40-110-240-PTO	240	40	18	110	.65	.27	.33	18	1.15	1.00	.86
527-55-240V50/65C	RL5515-50-65-240-PTO	240	50	17	65	.60	.27	.33	20	3.69	3.32	2.96
527-60-240V100/120C	RL6015-100-120-240-PTO	240	100	18	120	.65	.27	.33	20	1.66	1.58	1.49
527-3020-240V1.5K	RL3020-1500-100-240-PTO	240	1.5K	12	100	.35	.31	.25	20	1.15	1.00	.86
527-7020-480V1K	RL7020-1K-100-480-PTO	480	1K	18	100	.75	.32	.33	18	1.84	1.75	1.66
527-5020-480V2K	RL5020-2K-100-480-PTO	480	2K	15	100	.55	.32	.33	18	1.02	.89	.77
527-3020-480V5K	RL3020-5K-100-480-PTO	480	5K	12	100	.35	.31	.25	20	1.15	1.00	.86

MINIATURE SENSORS 1°C ACCURACY

- Temperature accuracy: ±1°C @ 25°C
- Dissipation constant: 1.4mW/°C
- Time constant: 15 sec.
- Operating range: -50°C to +150°C



DIMENSIONS: in.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	GE Type (RL0503)	Material	Price Each		
			1	10	100
527-0503-2K	1248-73-MS	MS73	1.75	1.57	1.73
527-0503-5K	2890-95-MS	MS95	1.75	1.57	1.73
527-0503-10K	5820-97-MS	MS97	1.75	1.57	1.73

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	GE Type (RL0503)	Material	Price Each		
			1	10	100
527-0503-30K	17.56K-96-MS	MS96	1.75	1.57	1.73
527-0503-50K	27.53K-120-MS	MS120	1.28	1.12	1.02
527-0503-100K	55.36K-122-MS	MS122	1.75	1.57	1.73

VISHAY Fuses and Thermistors

VISHAY / BEYSCHLAG FUSES

Thin Film Flat Chip Fuses

MFU 0603 and MFU 0805 Thin Film Flat Chip Fuses are the perfect choice for most fields of modern electronics The highly controlled thin film manufacturing process guarantees an outstanding stability of fusing characteristics.

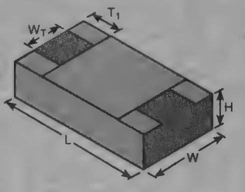
Features :

- Advanced thin film technology
- Very quick acting fuse characteristics
- Outstanding stability of fusing characteristics
- Standard metric SMD sizes
- Green product, supports lead (Pb)-free soldering

Applications :

- Information technology
- Telecommunication
- Medical equipment
- Audio/video electronics

DIMENSIONS: in. (mm)



Type	H	L	W	W$_T$	T$_1$
MFU 0603	.45+.1/.05	1.55±.05	.85±.1	>75% of W	.3+.15/-.2
MFU 0805	.45+.1/.05	2.0±.1	1.25±.15	>75% of W	.4+.1/-.2

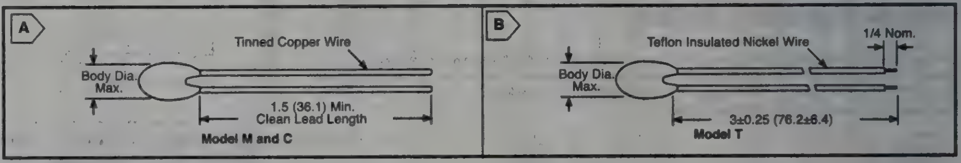
For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Size	Rated Current	Rated Voltage	Price Each			
					1	100	500	5000
594-MFU0603-FF-0.5	MFU-0603-FF-P5-0A5	0603	0.5A	32V	.59	.45	.40	.31
594-MFU0603-FF-1.0	MFU-0603-FF-P5-1A0	0603	1.0A	32V	.57	.43	.39	.28
594-MFU0603-FF-1.6	MFU-0603-FF-P5-1A6	0603	1.6A	32V	.57	.43	.39	.28
594-MFU0603-FF-2.0	MFU-0603-FF-P5-2A0	0603	2.0A	32V	.57	.43	.39	.28
594-MFU0603-FF-3.15	MFU-0603-FF-P5-3A15	0603	3.15A	32V	.57	.43	.39	.28
594-MFU0603-FF-4.0	MFU-0603-FF-P5-4A0	0603	4.0A	32V	.57	.43	.39	.28
594-MFU0805-FF-0.5	MFU-0805-FF-P5-0A5	0805	0.5A	50V	.88	.81	.76	.65
594-MFU0805-FF-1.0	MFU-0805-FF-P5-1A0	0805	1.0A	50V	.66	.62	.57	.48
594-MFU0805-FF-1.6	MFU-0805-FF-P5-1A6	0805	1.6A	50V	.66	.62	.57	.48
594-MFU0805-FF-2.0	MFU-0805-FF-P5-2A0	0805	2.0A	50V	.66	.62	.57	.48
594-MFU0805-FF-3.15	MFU-0805-FF-P5-3A15	0805	3.15A	50V	.66	.62	.57	.48
594-MFU0805-FF-4.0	MFU-0805-FF-P5-4A0	0805	4.0A	50V	.66	.62	.57	.48

VISHAY / DALE NTC THERMISTORS

M, C, T Series NTC Coated Thermistors

DIMENSIONS: in. (mm)



Models M, C, and T are conformally coated, leaded thermistors for standard PC board mounting or assembly probes. The coating is baked-on phenolic for durability and long-term stability. Models M and C have tinned solid copper leads.

Features :

- Small size
- Wide resistance range
- Model T has solid nickel wires with Teflon® insulation to provide isolation when assembled in metal probes or housings.

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Resistance (Ω)	Tolerance ± @ 25°C	Curve Number	Lead Type	Wire Size	Price Each			
								1	10	100	500
71-01C1001JP	01C1001JP	A	1K	5%	1	C	AWG 28	1.68	1.47	1.05	.84
71-01C2001JP	01C2001JP	A	2K	5%	1	C	AWG 28	1.68	1.47	1.05	.84
71-01C3001FP	01C3001FP	A	3K	1%	1	C	AWG 28	1.84	1.61	1.15	.92
71-01C3001JP	01C3001JP	A	3K	5%	1	C	AWG 28	1.64	1.44	1.03	.82
71-01C5001JP	01C5001JP	A	5K	5%	1	C	AWG 28	1.64	1.44	1.03	.82
71-01C1002FP	01C1002FP	A	10K	1%	1	C	AWG 28	1.84	1.61	1.15	.92
71-01C1002JP	01C1002JP	A	10K	5%	1	C	AWG 28	1.64	1.44	1.03	.82
71-08C1002JP	08C1002JP	A	10K	5%	8	C	AWG 28	.84	.79	.71	.63
71-07C3002JP	07C3002JP	A	30K	5%	7	C	AWG 28	1.68	1.47	1.05	.84
71-07C5002JP	07C5002JP	A	50K	5%	7	C	AWG 28	1.64	1.44	1.03	.82
71-07C1003FP	07C1003FP	A	100K	1%	7	C	AWG 28	1.84	1.61	1.15	.92
71-01M5001JP	01M5001JP	A	5K	5%	1	M	AWG 30	1.68	1.47	1.05	.84
71-09M1002FP	09M1002FP	A	10K	1%	9	M	AWG 30	1.84	1.61	1.15	.92
71-01M1002FP	01M1002FP	A	10K	1%	1	M	AWG 30	1.84	1.61	1.15	.92
71-08M3002JP	08M3002JP	A	30K	5%	8	M	AWG 30	1.68	1.47	1.05	.84
71-08M5002JP	08M5002JP	A	50K	5%	8	M	AWG 30	1.68	1.47	1.05	.84
71-07M1003JP	07M1003JP	A	100K	5%	7	M	AWG 30	1.68	1.47	1.05	.84
71-08M1003JP	08M1003JP	A	100K	5%	8	M	AWG 30	1.68	1.47	1.05	.84
71-01T1001FP	01T1001FP	B	1K	1%	1	T	AWG 30	3.20	2.80	2.00	1.60
71-01T1002FP	01T1002FP	B	10K	1%	1	T	AWG 30	3.20	2.80	2.00	1.60
71-01T5001JP	01T5001JP	B	5K	5%	1	T	AWG 30	2.92	2.56	1.83	1.46
71-01T1002JP	01T1002JP	B	10K	5%	1	T	AWG 30	2.92	2.56	1.83	1.46
71-04T1003FP	04T1003FP	B	100K	1%	4	T	AWG 30	3.20	2.80	2.00	1.60

VISHAY / DALE NTHS SERIES NTC SURFACE MOUNT CHIP THERMISTORS

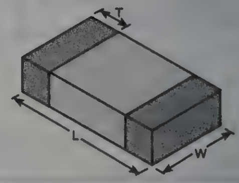
DIMENSIONS: in. (mm)

Features :

- Solderable terminations
- Wraparound terminations
- Allows design flexibility for use with hybrid circuitry
- High density monolithic construction
- Standard EIA E6 values
- Fully glass coated

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Resistance (Ω)	Tolerance ± @ 25°C	Curve Number	Price Each			
					1	10	100	500
71-NTHS0402N2N1002JE	NTHS0402N02N1002JE	10K	5%	2	1.25	1.00	.75	.63
71-NTHS0603N3N2001JE	NTHS0603N03N2001JE	2K	5%	3	1.16	1.02	.73	.58
71-NTHS0603N2N1002JE	NTHS0603N02N1002JE	10K	5%	2	1.00	.88	.63	.50
71-NTHS0603N1N1003JE	NTHS0603N01N1003JE	100K	5%	1	1.16	1.02	.73	.58
71-NTHS0805N2N1002JE	NTHS0805N02N1002JE	10K	5%	2	1.16	1.02	.73	.58
71-NTHS1012N1N1002JE	NTHS1012N01N1002JE	10K	5%	1	1.56	1.37	.98	.78
71-NTHS1012N4N1003JE	NTHS1012N04N1003JE	100K	5%	4	1.56	1.37	.98	.78
71-NTHS1205N1N1003JE	NTHS1205N01N1003JE	100K	5%	1	1.36	1.19	.85	.68
71-NTHS1206N3N1001JE	NTHS1206N03N1001JE	1K	5%	3	1.36	1.19	.85	.68
71-NTHS1206N2N5001JE	NTHS1206N02N5001JE	5K	5%	2	1.36	1.19	.85	.68
71-NTHS1206N1N1002JE	NTHS1206N01N1002JE	10K	5%	1	1.36	1.19	.85	.68
71-NTHS1206N2N1002JE	NTHS1206N02N1002JE	10K	5%	2	1.36	1.19	.85	.68
71-NTHS1206N1N4702JE	NTHS1206N01N4702JE	47K	5%	1	1.36	1.19	.85	.68
71-NTHS1206N1N5002JE	NTHS1206N01N5002JE	50K	5%	1	1.36	1.19	.85	.68
71-NTHS1206N1N1003KE	NTHS1206N01N1003KE	100K	10%	1	1.28	1.12	.80	.64



Part Number	L	W	T
NTHS-0402	0.040 ± 0.004 (1.016 ± 0.102)	0.22 ± 0.006 (0.508 ± 0.051)	0.010 ± 0.004 (0.25 ± 0.102)
NTHS-0603	0.063 ± 0.008 (1.6 ± 0.20)	0.031 ± 0.008 (0.80 ± 0.20)	0.010 ± 0.006 (0.25 ± 0.15)
NTHS-0805	0.079 ± 0.008 (2.00 ± 0.20)	0.049 ± 0.008 (1.25 ± 0.20)	0.012 ± 0.006 (0.30 ± 0.15)
NTHS-1206	0.126 ± 0.008 (3.20 ± 0.20)	0.063 ± 0.008 (1.60 ± 0.20)	0.018 ± 0.008 (0.46 ± 0.20)
NTHS-1012	0.098 ± 0.008 (2.50 ± 0.20)	0.126 ± 0.008 (3.20 ± 0.20)	0.018 ± 0.008 (0.46 ± 0.20)

VISHAY COMPONENTS SMD Varistors and Thermistors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

VISHAY BC COMPONENTS - NTC THERMISTORS, ACCURACY LINE

NTCLE - (Historical number 2322/pb version or 2381pbF 640 6XXXX) - Series

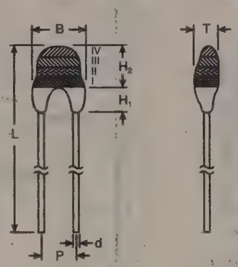
RoHS Compliant LEAD-FREE

DIMENSIONS: mm

Applications:
- Temperature sensing and control

Features:
- Accuracy over a wide temperature range
- High stability over a long life
- Excellent price/performance ratio
- Component in accordance to RoHS 2002/95/EC and WEEE 2002/96/EC

Specifications:
- Operating temperature range
  - at zero dissipation, continuously: -40 to 125°C
  - at zero dissipation, for short periods: 0 to 55°C
- Tolerance on $B_{25/85}$ -value: ±0.5% to ±3%
- Storage temperature range: -25 to +40°C
- Maximum relative humidity: 80%



NOTE 1: Dependent upon R_{25}-tolerance, the band IV is colored as follows:
- for R_{25} ±3%, Orange
- for R_{25} ±5%, Gold

Code Number 2381 640	B_{max}	d	H_2 min.	H_2 max.	H_2 max	L	P	T_{max}
6.338 to 6.221	5.0	0.6 ±0.06	1.0	4.0	6.0	24 ±1.5	2.54	4.0
6.331 to 6.474	3.3 ±0.5	0.6 ±0.06	-	2.0 ±1.0	6.0	24 ±1.5	2.54	3.0

For quantities greater than 1000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Vishay Historical No.	R_{25} (Ω)	R_{25} Tolerance	Color Code (see drawing and note1) I	II	III	Price Each 1	50	100	500
594-NTCLE100E3109JB0	NTCLE100E3109JB0	2322/pb or 2381/pbF 2381 640 63109	10	5%	brown	black	black	.64	.60	.56	.48
594-NTCLE100E3339JB0	NTCLE100E3339JB0	2322/pb or 2381/pbF 2381 640 63339	33	5%	orange	orange	black	.64	.60	.56	.48
594-NTCLE100E3682JB0	NTCLE100E3682JB0	2322/pb or 2381/pbF 2381 640 63682	6.8K	5%	blue	grey	red	.64	.60	.56	.48
594-NTCLE100E3103JB0	NTCLE100E3103JB0	2322/pb or 2381/pbF 2381 640 63103	10K	5%	brown	black	orange	.64	.60	.56	.48
594-NTCLE100E3103HB0	NTCLE100E3103HB0	2322/pb or 2381/pbF 2381 640 66103	10K	3%	brown	black	orange	.76	.72	.67	.57

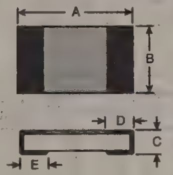
VISHAY DALE TFPT SERIES LINEAR PTC THERMISTORS

DIMENSIONS: in. (mm)

Features:
- Solderable wraparound terminations
- Alumina substrate base with PTC thin film element
- Operating temperature: -55°C to + 125°C
- TCR Tolerance ppm °C is ±400

LEAD-FREE

RoHS Compliant

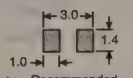


Model	A	B	C	D	E
TFPT0603	0.063 ± 0.006 (1.60 ± 0.15)	.031 + .006 - .002 (.80 + .15 - .05)	0.020 ± 0.004 (0.50 ± 0.10)	0.012 ± 0.008 (0.30 ± 0.20)	0.012 ± 0.008 (0.30 ± 0.20)
TFPT0805	0.079 ±0.006 (2.60 ±0.15)	0.049 ±0.006 (1.25 ±0.15)	0.020 ±0.006 (0.50 ±0.15)	0.016 ±0.010 (0.40 ±0.25)	0.016 ±0.010 (0.40 ±0.25)
TFPT1206	0.126 ±0.006 (3.20 ±0.15)	0.063 ±0.006 (1.60 ±0.15)	0.022 ±0.006 (0.56 ±0.15)	0.020 ±0.010 (0.50 ±0.25)	0.020 ±0.010 (0.50 ±0.25)

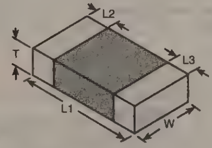
MOUSER STOCK NO.	Vishay Part No.	Case Size	Ohmic Value	Tolerance	Max. Working Voltage RCWV	Power Rating	Price Each 1	50	100	500	1000	Reel Qty.	Price Per Piece
71-TFPT0603L1002JV	TFPT0603L1002JV	0603	10K	5	30	75mW	.99	.90	.86	.78	.74	5000	.60
71-TFPT0805L1001FV	TFPT0805L1001FV	0805	1K	1	40	100mW	1.06	.97	.93	.85	.81	5000	.67
71-TFPT0805L1501FV	TFPT0805L1501FV	0805	1.5K	1	40	100mW	1.06	.97	.93	.85	.81	5000	.67
71-TFPT0805L3901FV	TFPT0805L3901FV	0805	3.9K	1	40	100mW	1.06	.97	.93	.85	.81	5000	.67
71-TFPT1206L5601FV	TFPT1206L5601FV	1206	5.6K	1	50	125mW	1.06	.97	.93	.85	.81	5000	.67
71-TFPT1206L1002FV	TFPT1206L1002FV	1206	10K	1	50	125mW	1.06	.97	.93	.85	.81	5000	.67

VISHAY BC 2322 675 2XXXX SERIES TEMPERATURE SENSING PTC'S

Features:
- Suitable for reflow and wave soldering
- Contact surfaces are made of Ag, Ni and an external layer of Sn
- Operating temperature range at maximum voltage: -25°C to Tn + 15°C
- Resistance at 25°C: 470Ω ± 50%
- Maximum voltage: 25V(dc or rms)



Recommended footprint (mm)



DIMENSIONS: mm

Model	W	T	L1	L2/L3
2322 675 2xxxx	1.25 ±0.2	0.90 ±0.15	2.00 ±0.2	0.4 ±0.25

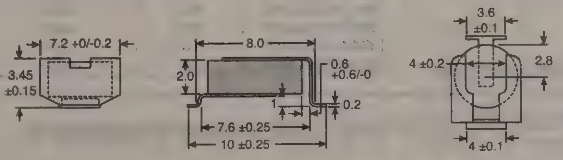
MOUSER STOCK NO.	Vishay Part No.	Tn (°C)	Rmax @ Tn -5°C	Rmin @ Tn +5°C	Rmin @ Tn +15°C	Price Each 1	50	100	500	1000	Reel Qty.	Price Per Piece
594-2322-675-20707	232267520707	70	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-20907	232267520907	90	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-21007	232267521007	100	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-21307	232267521307	130	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30
594-2322-675-21407	232267521407	140	4700	4700	15000	.88	.78	.64	.61	.52	4000	.30

VISHAY BC 2322 661 97XXX SERIES PTC THERMISTORS FOR OVERLOAD PROTECTION

DIMENSIONS: mm

Features:
- Ideal for pick-and-place circuit assembly
- Low mounting height
- Suitable for reflow soldering
- Small ceramic diameter for faster response
- Low heat transfer to substrate
- Flat terminations for stable positioning and good solderability

Applications:
- Telecom
  - Set top box
  - Modems
  - Central office switching (C.O.)
  - Subscriber terminal equipment (T.E.)
  - Cable TV communications



MOUSER STOCK NO.	Vishay Part No.	R25 (Ω)	R25 (%)	Voltage max. (V)	I_{nt} @ 25°C	I_{nt} @ 70°C	I_t @ 25°C	Max. Trip-Time t_t (s)	Max. Trip-Time @I_t (mA)	Price Each 1	25	50	100	Reel Qty.	Price Per Piece
594-2322-661-97002	232266197002	40	25	265	80	50	130	2.5	500	1.54	1.36	1.12	1.05	1500	.58
594-2322-661-97012	232266197012	10(1)	20	245	165	100	270	3	1000	1.54	1.36	1.12	1.05	1500	.58
594-2322-661-97016	232266197016	10(1)	20	245	165	100	270	3	1000	1.58	1.40	1.15	1.08	1500	.59

NOTES:
1. These types pass "ITU-T K20/21" telecommunication protection recommendation.

XICON Thermal Cutoffs, Thermistors, and Surge Arrestors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

2BN SERIES THERMAL CUTOFFS / THERMAL-LINKS

Features:
- Compact axial construction
- Highly insulated
- Fast, reliable operation
- Special alloy that contains no cadmium
- Also known as TCO's or Thermal Links

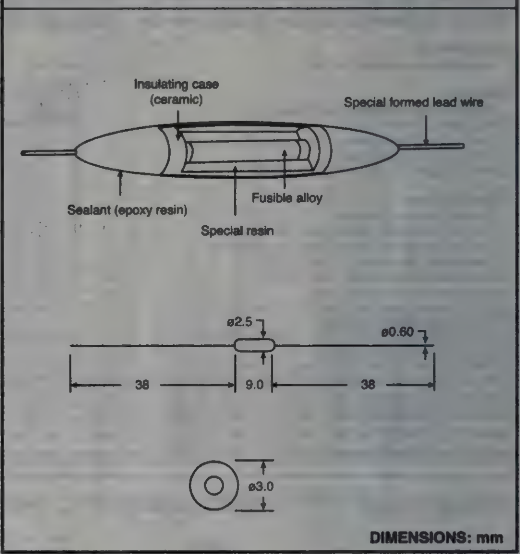
Applications:

Transformers
Solenoids
Gas home appliances
Ventilation fans
Fluorescent lighting
Electric fans
Second battery systems
Small electric motors
Chargers
Adapters
Heating devices
...and more

Principle of operation:
An abnormal temperature rise will cause the special resin used in the TCO to soften and liquefy. As the abnormal temperature rises above the melting point of the fusible alloy, the alloy melts and separates the lead wires. **Xicon Thermal Cutoffs will not reset;** the TCO must be replaced after the fault in the protected equipment is corrected.

RoHS Compliant

Series 2BN Axial Lead Type



Cross Reference Chart				
Xicon Stock No.	Elmwood	Micro Temp	Selco	Panasonic
XYP2BN082	D081-002	4178AI	STC-183	EYP2BN082
XYP2BN098	D096-002	4204AI	STC-208	EYP2BN098
XYP2BN109	D103-002	4218AI	STC-219	EYP2BN109
XYP2BN135	D139-002	4283AI	STC-286	EYP2BN135
XYP2BN143	D149-002	4300AI	STC-306	EYP2BN143

For quantities of 1000 and up, call for quote.

Mouser Part No.	Xicon Part No.	Electrical Rating		Rated Temp. (C°)	Functioning Temp. (C°)	Max Operating Temp. (C°)	Holding Temp. (C°)	Maximum Temperature		Price Each			
		Volt (V)	Amp (A)					UL, VDE (C°)	CSA (C°)	1	10	100	500
447-XYP2BN082-RC	XYP-2BN082-RC	250V AC	2.0	86	82	60	60	200	150	.40	.38	.29	.28
447-XYP2BN099-RC	XYP-2BN099-RC	250V AC	2.0	102	98	75	76	200	150	.40	.38	.29	.28
447-XYP2BN109-RC	XYP-2BN109-RC	250V AC	2.0	114	110	80	90	200	150	.40	.38	.29	.28
447-XYP2BN110-RC	XYP-2BN110-RC	250V AC	2.0	115	110	80	90	200	150	.40	.38	.29	.28
447-XYP2BN127-RC	XYP-2BN127-RC	250V AC	2.0	133	128	96	108	200	180	.40	.38	.29	.28
447-XYP2BN134-RC	XYP-2BN134-RC	250V AC	2.0	140	136	103	115	200	180	.40	.38	.29	.28
447-XYP2BN143-RC	XYP-2BN143-RC	250V AC	2.0	145	141	110	120	200	180	.40	.38	.29	.28

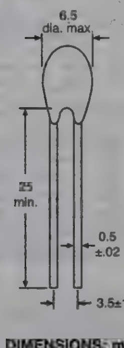
Definitions:
- Rated Temperature: the temperature at which a TCO completely opens
- Functioning Temperature: the temperature at which a TCO begins to open
- Holding Temperature: the temperature at which a TCO will conduct the rated current for 168 hours without opening.
- Max Operating Temperature: Maximum temperature at which the device will carry full operating current without opening.

NTC THERMISTORS

B constant signifies the dimensions of the resistance changes against a temperature between two optional temperatures.

- Temperature range: -20°C to +125°C
- Maximum power rating: 500mW (@ 25°C)
- Dissipation factor: 6mW/°C (@ 25°C)
- Heat resistant, and moisture proof
- Almost indefinite life

RoHS Compliant

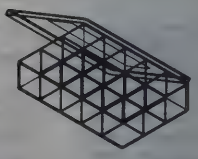


DIMENSIONS: mm

MOUSER STOCK NO.	(Ω) @ 25°C Value	B (K) (25°C/50°C) B-Constant	I (Max) @ 25°C (mA)	Price Each				
				1	100	500	1000	2000+
334-NTC101-RC	100	3100	200	.66	.44	.37	.25	CALL FOR QUOTE
334-NTC201-RC	200	3000	200	.66	.44	.37	.25	
334-NTC301-RC	300	3000	150	.66	.44	.37	.25	
334-NTC501-RC	500	3800	100	.66	.44	.37	.25	
334-NTC102-RC	1K	3700	80	.66	.44	.37	.25	
334-NTC152-RC	1.5K	3700	60	.66	.44	.37	.25	
334-NTC202-RC	2K	4000	60	.66	.44	.37	.25	
334-NTC302-RC	3K	4000	50	.66	.44	.37	.25	
334-NTC502-RC	5K	4100	45	.66	.44	.37	.25	
334-NTC103-RC	10K	4100	30	.66	.44	.37	.25	
334-NTC153-RC	15K	4200	25	.66	.44	.37	.25	
334-NTC203-RC	20K	4200	25	.66	.44	.37	.25	
334-NTC503-RC	50K	4400	20	.66	.44	.37	.25	
334-NTC104-RC	100K	4400	15	.66	.44	.37	.25	
334-NTC224-RC	220K	4500	6	.66	.44	.37	.25	
334-NTC404-RC	400K	4500	5	.66	.44	.37	.25	

NTC THERMISTOR KIT

RoHS Compliant

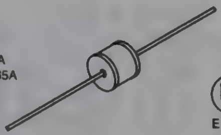


Contains 60 pieces
5 Each: 100, 200, 300, 500, 1K, 2K, 3K, 5K, 10K, 15K, 20K, 50K, Ω @ 25°C

MOUSER STOCK NO.	Price Each
370-NTC-T2-RC	29.95

GAS TUBE SURGE ARRESTORS

Features:
- Medium duty
- Two electrode
- Max. impulse discharge current (8/20μs): 10kA
- Max. AC discharge current (50Hz, 9 cycles): 65A
- Min. insulation resistance: 10^4MΩ
- Max. capacitance: 1.5pF
- AC(RMS) discharge current: 20A



E157510

For quantities of 1000 and up, call for quote.

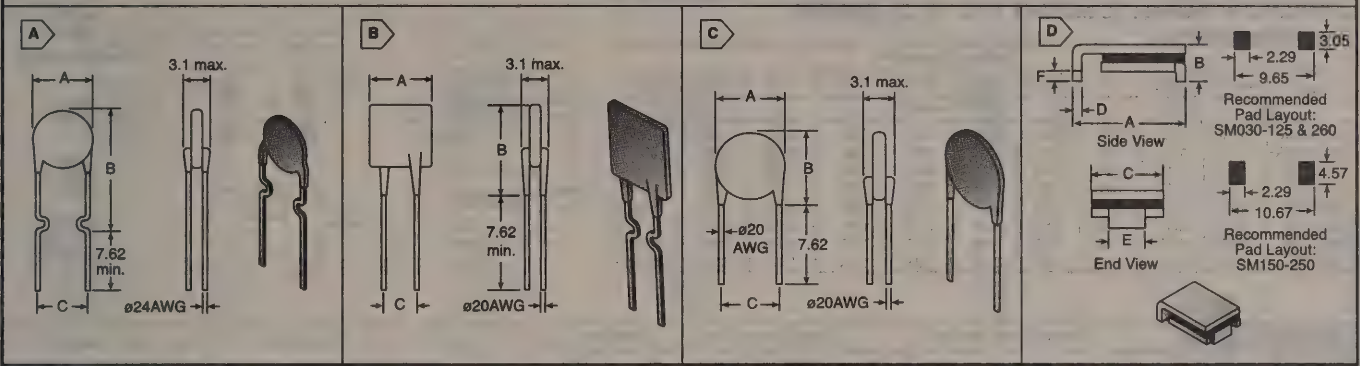
MOUSER STOCK NO.	DC Breakdown Voltage 100V/s (V)	Max. Impulse Breakdown Voltage 100V/μs (V)	DC Holdover Voltage (V)	Impulse Life 10/1000μs 500A (times)	Nom. DC Sparkover Voltage (V)	Price Each			
						1	10	100	500
444-GT-90L	72-108	500	50	400	90 +25%/-20%	2.96	2.60	2.07	1.85
444-GT-230L	195-265	500	115	400	230 ±20%	2.96	2.60	2.07	1.85
444-GT-350L	297-403	650	150	400	350 ±20%	2.96	2.60	2.07	1.85
444-GT-600L	480-720	1,000	150	200	600 +35%/-20%	2.96	2.60	2.07	1.85

BOURNS *MultiFuse®* PTC Resettable Fuses

RoHS Compliant **This page of product is compliant.**

BOURNS® *Reliable Electronic Solutions*

DIMENSIONS: mm



MULTIFUSE® Resettable Fuses from Bourns are manufactured from a non-conductive crystalline polymer and a highly conductive carbon black. When the conductive plastic material is at normal room temperature, there are numerous carbon chains forming conductive paths through the material. Under fault conditions, excessive current flows through the material causing the temperature to rise and is accompanied by a small expansion. As the conductive particles move apart they no longer conduct current and the resistance of the device increases sharply. The material will stay "hot" as long as the power is applied. The device will remain latched, providing continuous protection, until the fault is cleared and the power is removed. The carbon chains will reform as the polymer re-crystallizes and the resistance quickly returns to its original value.

BOURNS® MF-R SERIES

Reliable Electronic Solutions

Features:

- Lead Free
- Radial leaded devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements

Applications:

Almost anywhere there is a low voltage power supply and a load to be protected including:

- Computers and peripherals
- Automotive applications
- General electronics

RoHS Compliant

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Max Volt.	I max. Amps	Rated Current Amps @ 23°C		Initial Resistance Ω @ 23°C		Post-Trip Resist.	Dimensions: mm			Price Each				
					Hold	Trip	Min.	Max.		A (max.)	B (max.)	C (nom.)	1	100	500	1000	2000
652-MFR010-LF	MF-R010-99	A	60	40	0.10	0.20	2.50	4.50	7.50	7.39	12.70	5.08	.50	.42	.34	.27	.25
652-MFR017-LF	MF-R017-99	A	60	40	0.17	0.34	2.0	3.2	8.00	7.39	12.70	5.08	.50	.42	.34	.27	.25
652-MFR020-LF	MF-R020-99	A	60	40	0.20	0.40	1.50	2.84	4.40	7.39	12.70	5.08	.54	.44	.36	.28	.27
652-MFR025-LF	MF-R025-99	A	60	40	0.25	0.50	1.00	1.95	3.00	7.39	12.70	5.08	.54	.44	.36	.28	.27
652-MFR030-LF	MF-R030-99	A	60	40	0.30	0.60	0.76	1.36	2.10	7.39	13.39	5.08	.54	.44	.36	.28	.27
652-MFR040-LF	MF-R040-99	A	60	40	0.40	0.80	0.52	0.86	1.29	7.39	13.69	5.08	.56	.46	.37	.30	.28
652-MFR050-LF	MF-R050-99	A	60	40	0.50	1.00	0.41	0.77	1.17	7.90	13.69	5.08	.56	.46	.37	.30	.28
652-MFR065-LF	MF-R065-99	A	60	40	0.65	1.30	0.27	0.48	0.72	9.70	15.19	5.08	.56	.46	.37	.30	.28
652-MFR075-LF	MF-R075-99	A	60	40	0.75	1.50	0.18	0.40	0.60	10.39	16.00	5.08	.59	.48	.39	.32	.29
652-MFR090-LF	MF-R090-99	A	60	40	0.90	1.80	0.14	0.31	0.47	11.71	16.69	5.08	.59	.48	.39	.32	.29
652-MFR110-LF	MF-R110-99	A	30	40	1.10	2.20	0.10	0.18	0.27	8.89	14.00	5.08	.61	.51	.41	.33	.30
652-MFR135-LF	MF-R135-99	A	30	40	1.35	2.70	0.065	0.115	0.17	8.89	18.90	5.08	.59	.48	.39	.32	.29
652-MFR160-LF	MF-R160-99	A	30	40	1.60	3.20	0.055	0.105	0.15	10.19	16.79	5.08	.69	.58	.46	.37	.35
652-MFR185-LF	MF-R185-99	A	30	40	1.85	3.70	0.04	0.07	0.11	11.99	18.39	5.08	.61	.51	.41	.33	.29
652-MFR250-0-010-LF	MF-R250-0-010-99	B	30	40	2.50	5.00	0.025	0.048	0.07	11.99	18.29	5.08	.80	.66	.53	.43	.40
652-MFR300-LF	MF-R300-99	B	30	40	3.00	6.00	0.02	0.05	0.08	11.99	18.29	5.08	.71	.60	.47	.39	.37
652-MFR400-LF	MF-R400-99	B	30	40	4.00	8.00	0.01	0.03	0.05	14.40	24.79	5.08	.79	.64	.51	.41	.40
652-MFR500-LF	MF-R500-99	B	30	40	5.00	10.00	0.01	0.03	0.05	17.40	24.89	10.16	.82	.68	.55	.44	.42
652-MFR600-LF	MF-R600-99	B	30	40	6.00	12.00	0.005	0.02	0.04	19.30	31.90	10.16	.85	.71	.57	.46	.44
652-MFR700-LF	MF-R700-99	B	30	40	7.00	14.00	0.005	0.02	0.03	22.10	29.79	10.16	.87	.74	.58	.47	.46
652-MFR800-LF	MF-R800-99	B	30	40	8.00	16.00	0.005	0.02	0.03	24.21	32.89	10.16	.90	.76	.60	.48	.47
652-MFR900-LF	MF-R900-99	B	30	40	9.00	18.00	0.005	0.01	0.02	24.21	32.89	10.16	.92	.77	.61	.49	.48

BOURNS® MF-RX SERIES

Reliable Electronic Solutions

Features:

- Lead Free
- Radial leaded devices
- Cured, flame retardant epoxy polymer insulating material meets UL94V-0 requirements

Applications:

Almost anywhere there is a low voltage power supply, up to 60V and a load to be protected including:

- Security and fire alarm systems
- Power transformers
- Loud speakers

RoHS Compliant

MOUSER STOCK NO.	Bourns Part No.	Fig.	Max Volt.	I max. Amps	Rated Current Amps @ 23°C		Initial Resistance Ω @ 23°C		Post-Trip Resist.	Dimensions: mm			Price Each				
					Hold	Trip	Min.	Max.		A (max.)	B (max.)	C (nom.)	1	100	500	1000	2000
652-MFRX110-LF	MF-RX110-99	C	60	40	1.10	2.20	0.15	0.25	0.38	13.00	18.01	5.08	.56	.46	.37	.30	.28
652-MFRX135-LF	MF-RX135-99	C	60	40	1.35	2.70	0.12	0.19	0.30	14.50	19.61	5.08	.56	.46	.37	.30	.28
652-MFRX185-LF	MF-RX185-99	C	60	40	1.85	3.70	0.08	0.12	0.19	17.81	22.89	5.08	.64	.54	.42	.35	.33
652-MFRX300-LF	MF-RX300-99	C	60	40	3.00	6.00	0.04	0.06	0.10	24.89	29.97	10.16	.66	.56	.44	.36	.34
652-MFRX375-LF	MF-RX375-99	C	60	40	3.75	7.50	0.03	0.05	0.08	28.45	33.53	10.16	.79	.66	.53	.43	.41

BOURNS® MF-SM SERIES

Reliable Electronic Solutions

Features:

- Lead Free
- Surface mount devices
- Fully compatible with current industry standards
- Packaged per EIA 481-2 standard
- Patents pending

Applications:

Almost anywhere there is a low voltage power supply and a load to be protected including:

- Computers and peripherals
- General electronics
- Automotive applications

RoHS Compliant

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Max Volt.	I max. Amps	Rated Current Amps @ 23°C		Initial Resist. Ω @ 23°C		Dimensions: mm						Price Each				
					Hold	Trip	Min.	Max.	A (max.)	B (max.)	C (max.)	D (max.)	E (max.)	F (max.)	1	100	500	1000	2000
652-MFSM050-2-LF	MF-SM050-2-99	D	60	40	0.50	1.00	0.35	1.40	7.98	3.18	5.44	.71	2.41	.43	.61	.51	.41	.33	.32
652-MFSM075-2-LF	MF-SM075-2-99	D	30	80	0.75	1.50	0.23	1.00	7.98	3.18	5.44	.71	2.41	.43	.61	.51	.41	.33	.32
652-MFSM100-2-LF	MF-SM100-2-99	D	30	80	1.10	2.20	0.12	0.48	7.98	3.00	5.44	.71	2.41	.43	.61	.51	.41	.33	.32
652-MFSM125-2-LF	MF-SM125-2-99	D	15	100	1.25	2.50	0.07	0.25	7.98	3.00	5.44	.71	2.41	.43	.61	.51	.41	.33	.32
652-MFSM150-2-LF	MF-SM150-2-99	D	15	100	1.50	3.00	0.06	0.25	9.50	3.00	6.71	.71	3.94	.43	.64	.54	.42	.35	.34
652-MFSM200-2-LF	MF-SM200-2-99	D	15	100	2.00	4.00	0.05	0.125	9.50	3.00	6.71	.71	3.94	.43	.64	.54	.42	.35	.34
652-MFSM250-2-LF	MF-SM250-2-99	D	15	100	2.50	5.00	0.024	0.085	9.50	3.00	6.71	.71	3.94	.43	.64	.54	.42	.35	.34
652-MFSM260-2-LF	MF-SM260-2-99	D	6	100	2.60	5.20	0.025	0.075	7.98	3.00	5.44	.71	2.41	.43	.64	.54	.42	.35	.34

LITTELFUSE Resettable PTCs

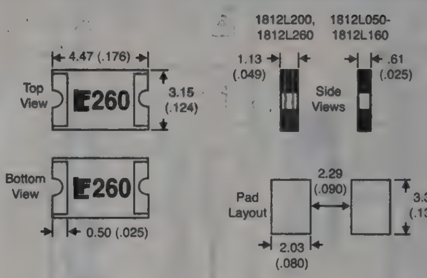
Littelfuse

Products may be RoHS compliant.
Check mouser.com for RoHS status.

LITTELFUSE SURFACE MOUNT PTC 1812L SERIES

Temperature Rerating:

Part No.	Ambient Temperature									
	-40°C	-20°C	0°C	20°C	40°C	50°C	60°C	70°C	80°C	85°C
	Hold Current (A)									
1812L050	0.75	0.67	0.58	0.50	0.41	0.37	0.33	0.29	0.25	0.23
1812L075	1.13	1.00	0.87	0.75	0.62	0.56	0.50	0.43	0.37	0.34
1812L110	1.65	1.47	1.28	1.10	0.91	0.82	0.73	0.64	0.54	0.50
1812L125	1.88	1.67	1.46	1.25	1.04	0.93	0.83	0.72	0.62	0.56
1812L150	2.25	2.00	1.75	1.50	1.24	1.12	0.99	0.87	0.74	0.68
1812L160	2.40	2.13	1.86	1.60	1.33	1.19	1.06	0.92	0.79	0.72
1812L200	3.00	2.67	2.33	2.00	1.66	1.49	1.32	1.15	0.99	0.90
1812L260	3.90	3.47	3.03	2.60	2.16	1.94	1.72	1.50	1.28	1.17

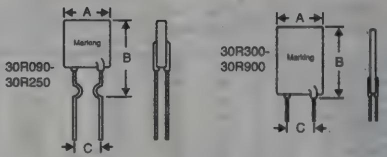


RoHS Compliant

MOUSER STOCK NO.		Current Rating @ 20°C					Max Time to Trip		Resistance		Size	Price Each				Reel	
Mfr.	Mfr. Part No.	Hold (A)	Trip (A)	Max DC	Max Amps	Max Watts	Current (A)	Time (Sec)	Ril (W)	Rat (W)		1	10	100	250	Qty.	Ea.
576—	1812L050PRT	0.50	1.00	15	40	0.8	8.0	0.15	0.1	1.00	1812	.52	.49	.39	.37	2000	.34
576—	1812L075PRT	0.75	1.50	13.2	40	0.8	8.0	0.30	0.06	0.42	1812	.52	.49	.45	.41	2000	.38
576—	1812L110PRT	1.10	2.20	6	40	0.8	8.0	0.30	0.04	0.23	1812	.52	.49	.43	.37	2000	.31
576—	1812L125PRT	1.25	2.50	6	40	0.8	8.0	0.30	0.04	0.18	1812	.52	.49	.45	.41	2000	.38
576—	1812L150PRT	1.50	3.00	6	40	0.8	8.0	0.30	0.032	0.14	1812	.52	.49	.45	.41	2000	.38
576—	1812L160PRT	1.60	3.20	6	40	0.8	8.0	0.30	0.032	0.10	1812	.52	.49	.45	.41	2000	.38
576—	1812L200MR	2.00	4.00	6	40	0.8	8.0	2.50	0.018	0.07	1812	.75	.70	.65	.60	2000	.55
576—	1812L260MR	2.60	5.20	6	40	0.8	8.0	2.50	0.01	0.05	1812	.75	.70	.65	.60	2000	.55

LITTELFUSE RADIAL LEADED PTC 30R SERIES

The 30R Series Resettable devices utilize a unique polymer-based, Positive Temperature Coefficient (PTC) material to protect electrical circuits against overcurrent conditions. In normal operation, the 30R Series PTC has many conductive paths and a very low resistance. In an overcurrent condition, the temperature of the polymer material rises. This dramatically reduces the conductive paths resulting in an immediate rise in resistance. In this condition, the device provides circuit protection by significantly limiting the flow of current. However, once the cause of the initial overcurrent condition is eliminated, the 30R Series PTC cools down and resets to a low resistance value permitting the normal current flow to resume.

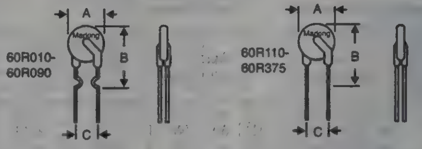


For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Current Rating@ 20°C					Max. Time to Trip		Resistance		Dimensions: mm (in.)			Price Each			
Mfr.	Mfr. Part No.	Hold (A)	Trip (A)	Max DC	Max Amps	Max Watts	Current (A)	Time (Sec)	Ril (W)	Rat (W)	A (Max)	B (Max)	C (Max)	1	10	100	250
576—	030R0090U	0.90	1.80	30	40	0.60	4.50	5.90	0.07	0.22	6.6 (0.26)	12.19 (0.48)	5.08 (0.20)	.64	.59	.55	.51
576—	030R0110U	1.10	2.20	30	40	0.70	5.50	6.60	0.05	0.17	6.6 (0.26)	14.22 (0.56)	5.08 (0.20)	.64	.59	.55	.51
576—	030R0135U	1.35	2.70	30	40	0.80	6.75	7.30	0.04	0.13	8.89 (0.35)	13.46 (0.53)	5.08 (0.20)	.43	.36	.29	.26
576—	030R0160U	1.60	3.20	30	40	0.90	8.00	8.00	0.03	0.11	8.89 (0.35)	15.42 (0.60)	5.08 (0.20)	.34	.31	.29	.26
576—	030R0185U	1.85	3.70	30	40	1.00	9.25	8.70	0.03	0.09	10.16 (0.40)	15.75 (0.62)	5.08 (0.20)	.46	.39	.33	.29
576—	030R0250U	2.50	5.00	30	40	1.20	12.50	10.30	0.02	0.07	11.43 (0.45)	18.29 (0.72)	5.08 (0.20)	.79	.74	.69	.63
576—	030R0300U	3.00	6.00	30	40	2.00	15.00	10.80	0.02	0.08	11.43 (0.45)	17.27 (0.68)	5.08 (0.20)	.85	.79	.74	.68
576—	030R0400U	4.00	8.00	30	40	2.50	20.00	12.70	0.01	0.05	13.97 (0.55)	20.07 (0.79)	5.08 (0.20)	.97	.91	.84	.77
576—	030R0500U	5.00	10.00	30	40	3.00	25.00	14.50	0.01	0.05	13.97 (0.55)	24.89 (0.98)	10.16 (0.40)	1.04	.97	.90	.82
576—	030R0600U	6.00	12.00	30	40	3.50	30.00	16.00	0.005	0.04	16.51 (0.65)	24.89 (0.98)	10.16 (0.40)	1.10	1.02	.95	.87
576—	030R0700U	7.00	14.00	30	40	3.80	35.00	17.50	0.005	0.03	19.05 (0.75)	26.67 (1.05)	10.16 (0.40)	1.16	1.08	1.00	.92
576—	030R0800U	8.00	16.00	30	40	4.00	40.00	18.80	0.005	0.02	21.59 (0.85)	29.21 (1.15)	10.16 (0.40)	1.19	1.11	1.03	.94
576—	030R0900U	9.00	18.00	30	40	4.20	40.00	20.00	0.005	0.02	24.13 (0.95)	29.72 (1.17)	10.16 (0.40)	1.28	1.19	1.11	1.02

LITTELFUSE RADIAL LEADED PTC 60R SERIES

The 60R Series Resettable devices utilize a unique polymer-based, Positive Temperature Coefficient (PTC) material to protect electrical circuits against overcurrent conditions. In normal operation, the 30R Series PTC has many conductive paths and a very low resistance. In an overcurrent condition, the temperature of the polymer material rises. This dramatically reduces the conductive paths resulting in an immediate rise in resistance. In this condition, the device provides circuit protection by significantly limiting the flow of current. However, once the cause of the initial overcurrent condition is eliminated, the 60R Series PTC cools down and resets to a low resistance value permitting the normal current flow to resume.



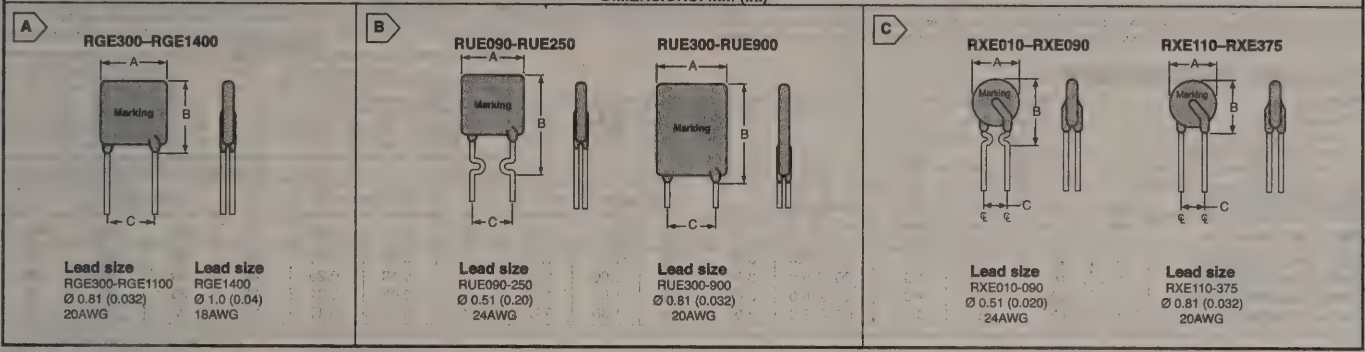
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Current Rating@ 20°C					Max. Time to Trip		Resistance		Dimensions: mm (in.)			Price Each			
Mfr.	Mfr. Part No.	Hold (A)	Trip (A)	Max DC	Max Amps	Max Watts	Current (A)	Time (Sec)	Ril (W)	Rat (W)	A (Max)	B (Max)	C (Max)	1	10	100	250
576—	060R0010U	0.10	0.20	60	40	0.38	0.50	4.0	2.50	7.50	7.37 (0.29)	12.7 (0.50)	5.08 (0.20)	.61	.57	.53	.48
576—	060R0017U	0.17	0.34	60	40	0.48	0.85	3.0	3.30	8.00	7.37 (0.29)	12.7 (0.50)	5.08 (0.20)	.58	.54	.50	.46
576—	060R0020U	0.20	0.40	60	40	0.41	1.00	2.2	1.83	4.40	7.37 (0.29)	12.19 (0.48)	5.08 (0.20)	.58	.54	.50	.46
576—	060R0025U	0.25	0.50	60	40	0.45	1.25	2.5	1.25	3.00	7.37 (0.29)	12.7 (0.50)	5.08 (0.20)	.31	.26	.25	.22
576—	060R0030U	0.30	0.60	60	40	0.49	1.50	3.0	0.88	2.10	7.37 (0.29)	12.95 (0.51)	5.08 (0.20)	.58	.54	.50	.46
576—	060R0040U	0.40	0.80	60	40	0.56	2.00	3.8	0.55	1.29	7.62 (0.30)	13.46 (0.53)	5.08 (0.20)	.33	.30	.27	.25
576—	060R0050U	0.50	1.00	60	40	0.77	2.50	4.0	0.50	1.17	7.62 (0.30)	13.72 (0.54)	5.08 (0.20)	.61	.57	.53	.48
576—	060R0065U	0.65	1.30	60	40	0.88	3.25	5.3	0.31	0.72	9.65 (0.38)	14.48 (0.57)	5.08 (0.20)	.64	.59	.55	.51
576—	060R0075U	0.75	1.50	60	40	0.92	3.75	6.3	0.25	0.60	10.41 (0.41)	15.24 (0.60	5.08 (0.20)	.67	.63	.58	.53
576—	060R0090U	0.90	1.80	60	40	0.99	4.50	7.2	0.20	0.47	11.68 (0.46)	15.75 (0.62)	5.08 (0.20)	.67	.63	.58	.53
576—	060R0110U	1.10	2.20	60	40	1.50	5.50	8.2	0.15	0.38	12.95 (0.51)	18.0 (0.71)	5.08 (0.20)	.76	.71	.66	.60
576—	060R0135U	1.35	2.70	60	40	1.70	6.75	9.6	0.12	0.30	14.48 (0.57)	19.56 (0.77)	5.08 (0.20)	.76	.71	.66	.60
576—	060R0160U	1.60	3.20	60	40	1.90	8.00	11.4	0.09	0.22	16.26 (0.64)	21.34 (0.84)	5.08 (0.20)	.76	.71	.66	.60
576—	060R0185U	1.85	3.70	60	40	2.10	9.25	12.6	0.08	0.19	17.78 (0.70)	22.86 (0.90)	5.08 (0.20)	.41	.38	.30	.26
576—	060R0250U	2.50	5.00	60	40	2.50	12.5	15.6	0.05	0.13	21.34 (0.84)	26.42 (1.04)	10.16 (0.40)	.95	.88	.82	.75
576—	060R0300U	3.00	6.00	60	40	2.80	15.0	19.8	0.04	0.10	24.89 (0.98)	29.97 (1.18)	10.16 (0.40)	1.00	.93	.87	.80
576—	060R0375U	3.75	7.50	60	40	3.20	18.75	24.0	0.03	0.08	28.45 (1.12)	33.53 (1.32)	10.16 (0.40)	1.00	.93	.87	.80

RAYCHEM PolySwitch Resettable Fuses

Tyco Electronics
Authorized Distributor

DIMENSIONS: mm (in.)



Raychem resettable fuses utilize a polymer based, positive temperature coefficient (PTC) material to protect electrical circuits against overcurrent conditions. In normal operations, the PTC has many conductive paths and a very low resistance. In overcurrent conditions, the temperature of the polymer material rises. This dramatically reduces the conductive paths resulting in an immediate rise in resistance. In this condition the device provides circuit protection by significantly limiting the flow of current. Once the cause of the initial overcurrent condition is eliminated, the PTC cools down and RESETS to a low resistance value permitting the normal current to resume.

RAYCHEM RGE SERIES

This product line can be used in a wide variety of automotive, computer and general electronics applications.
The RGE devices feature high current carrying capability (up to 14 amps) in a small package with fast trip times.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions: mm (in.)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RGEF300	A	16V	3.00	5.10	100	0.034	7.1 (0.28)	11 (0.43)	5.1 (0.20)	.39	.356	.32	.30
650-RGEF500	A	16V	5.00	8.50	100	0.014	10.4 (0.41)	14.3 (0.56)	5.1 (0.20)	.45	.41	.369	.349
650-RGEF600	A	16V	6.00	10.20	100	0.009	10.7 (0.42)	17.1 (0.67)	5.1 (0.20)	.47	.43	.387	.366
650-RGEF700	A	16V	7.00	11.90	100	0.006	11.2 (0.44)	19.7 (0.78)	5.1 (0.20)	.50	.45	.405	.383
650-RGEF900	A	16V	9.00	15.30	100	0.004	14 (0.55)	21.7 (0.85)	5.1 (0.20)	.55	.5	.45	.43
650-RGEF1100	A	16V	11.00	18.70	100	0.003	17.5 (0.69)	26 (1.02)	5.1 (0.20)	.59	.54	.486	.459
650-RGEF1400	A	16V	14.00	23.80	100	0.001	27.9 (1.10)	27.9 (1.10)	10.2 (0.40)	.79	.72	.65	.612

RAYCHEM RUE SERIES

These devices are designed to be used in a wide variety of general electronics applications.
RUE devices complement the RXE line by providing a smaller form factor with lower resistance and higher hold current capability (up to 9 amps).

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions: mm (in.)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RUEF090	B	30V	0.90	1.80	40	0.070	7.4 (0.29)	12.2 (0.48)	5.1 (0.20)	.33	.30	.27	.252
650-RUEF110	B	30V	1.10	2.20	40	0.050	7.4 (0.29)	14.2 (0.56)	5.1 (0.20)	.32	.29	.26	.247
650-RUEF135	B	30V	1.35	2.70	40	0.040	8.9 (0.35)	15.2 (0.60)	5.1 (0.20)	.33	.30	.27	.253
650-RUEF160	B	30V	1.60	3.20	40	0.030	8.9 (0.35)	15.2 (0.60)	5.1 (0.20)	.34	.31	.28	.262
650-RUEF185	B	30V	1.85	3.70	40	0.030	10.2 (0.40)	15.7 (0.62)	5.1 (0.20)	.35	.32	.29	.272
650-RUEF250	B	30V	2.50	5.00	40	0.020	11.4 (0.45)	18.3 (0.72)	5.1 (0.20)	.36	.33	.30	.279
650-RUEF300	B	30V	3.00	6.00	40	0.020	11.4 (0.45)	17.3 (0.68)	5.1 (0.20)	.38	.35	.31	.294
650-RUEF400	B	30V	4.00	8.00	40	0.010	14.0 (0.55)	20.1 (0.79)	5.1 (0.20)	.41	.37	.34	.318
650-RUEF500	B	30V	5.00	10.00	40	0.010	14.0 (0.55)	24.9 (0.98)	10.2 (0.40)	.45	.41	.37	.347
650-RUEF600	B	30V	6.00	12.00	40	0.005	16.5 (0.65)	24.9 (0.98)	10.2 (0.40)	.48	.44	.39	.372
650-RUEF700	B	30V	7.00	14.00	40	0.005	19.1 (0.75)	26.7 (1.05)	10.2 (0.40)	.51	.47	.42	.40
650-RUEF800	B	30V	8.00	16.00	40	0.005	21.6 (0.85)	29.2 (1.15)	10.2 (0.40)	.53	.48	.44	.411
650-RUEF900	B	30V	9.00	18.00	40	0.005	24.1 (0.95)	29.7 (1.17)	10.2 (0.40)	.57	.51	.46	.437

RAYCHEM RXE SERIES

These products function as a general-purpose line of resettable fuses and are well suited for power supplies, alarm systems, speakers, motors, and many other applications.
Products range in hold currents from 0.10 amps to 3.75 amps and complement our RUE devices by providing a higher voltage rating.

For quantities of 2000 and up, call for quote.

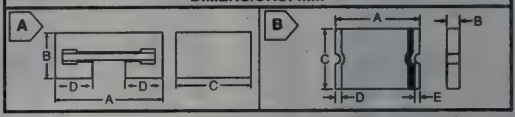
MOUSER STOCK NO.	Fig.	Max Volt.	Current Rating @ 20°C			RMin Initial (Ohms)	Dimensions: mm (in.)			Price Each			
			Hold	Trip	Max		A	B	C	1	100	500	1000
650-RXEF005	C	60V	0.05	0.10	50	20.00	8.0 (.315)	8.3 (3.25)	5.8 (.23)	.29	.26	.234	.221
650-RXEF010	C	60V	0.10	0.20	40	2.50	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.28	.254	.229	.216
650-RXEF017	C	60V	0.17	0.34	40	3.30	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.28	.258	.232	.219
650-RXEF020	C	60V	0.20	0.40	40	1.83	7.4 (0.29)	12.2 (0.48)	5.1 (0.20)	.29	.262	.236	.223
650-RXEF025	C	60V	0.25	0.50	40	1.25	7.4 (0.29)	12.7 (0.50)	5.1 (0.20)	.29	.264	.238	.22
650-RXEF030	C	60V	0.30	0.60	40	0.88	7.4 (0.29)	13.0 (0.51)	5.1 (0.20)	.29	.266	.239	.23
650-RXEF040	C	60V	0.40	0.80	40	0.55	7.6 (0.30)	13.5 (0.53)	5.1 (0.20)	.32	.288	.259	.245
650-RXEF050	C	60V	0.50	1.00	40	0.50	7.9 (0.31)	13.7 (0.54)	5.1 (0.20)	.32	.292	.263	.248
650-RXEF065	C	60V	0.65	1.30	40	0.31	9.7 (0.38)	14.5 (0.57)	5.1 (0.20)	.33	.296	.266	.252
650-RXEF075	C	60V	0.75	1.50	40	0.25	10.4 (0.41)	15.2 (0.60)	5.1 (0.20)	.33	.30	.27	.255
650-RXEF090	C	60V	0.90	1.80	40	0.20	11.7 (0.46)	15.8 (0.62)	5.1 (0.20)	.33	.304	.27	.258
650-RXEF110	C	60V	1.10	2.20	40	0.15	13.0 (0.51)	18.0 (0.71)	5.1 (0.20)	.34	.306	.275	.26
650-RXEF135	C	72V	1.35	2.70	96	0.19	14.5 (.57)	19.1 (.75)	5.8 (.23)	.35	.318	.286	.27
650-RXEF160	C	60V	1.60	3.20	40	0.09	16.3 (0.64)	21.3 (0.84)	5.1 (0.20)	.36	.326	.293	.277
650-RXEF185	C	60V	1.85	3.70	40	0.08	17.8 (0.70)	22.9 (0.90)	5.1 (0.20)	.39	.35	.315	.298
650-RXEF250	C	60V	2.50	5.00	40	0.05	21.3 (0.84)	26.4 (1.04)	10.2 (0.40)	.43	.39	.35	.332
650-RXEF300	C	60V	3.00	6.00	40	0.04	24.9 (0.98)	30.0 (1.18)	10.2 (0.40)	.46	.42	.378	.357
650-RXEF375	C	60V	3.75	7.50	40	0.03	28.5 (1.12)	33.5 (1.32)	10.2 (0.40)	.48	.44	.396	.374

RAYCHEM PolySwitch Resettable Fuses

**Products may be RoHS compliant.
Check mouser.com for RoHS status.**

More than ten years ago, Raychem Circuit Protection introduced the SMD product family and polymeric PTC devices quickly became the computer industry standard for keyboard, mouse, and disk drive protection. In 1995, Raychem Circuit Protection advanced the technology, reducing the size and cost of surface-mount resettable devices with the introduction of its miniSMD product series. The recent additions to the surface mount family included the nanoSMD series, which reduces the size to a 3216mm (1206mils) footprint, one-third the size of the popular miniSMD series.

DIMENSIONS: mm



RAYCHEM NANOSMD SERIES

Features:

- Voltage rating 6V
- Agency recognition: UL, CSA, TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device.

Applications:

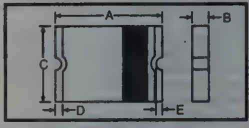
- Battery Packs
- LCD Power Screen
- SCSI
- PS/2 mouser / keyboard

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	100	500	1000
650—	NANOSMDM050	A	6	40	0.5	1	.10 @ 8.0	3.00	1.20	1.80	1.05	- -	0.15	0.70	.60	.50	.40	.36
650—	NANOSMDM075	A	6	40	0.75	1.5	.20 @ 8.0	3.00	1.20	1.80	1.05	- -	0.10	0.29	.60	.50	.40	.36
650—	NANOSMDM100	A	6	40	1	1.8	.30 @ 8.0	3.00	1.20	1.80	1.05	- -	0.06	0.21	.60	.50	.40	.36
650—	NANOSMDC150	B	6	40	1.5	3	1.0 @ 8.0	3.00	1.20	1.90	0.25	0.127	0.04	0.11	.31	.25	.23	.22

RAYCHEM MICROSMD SERIES

DIMENSIONS: mm



Features:

- Voltage rating from 6V to 30V
- Agency recognition: UL,CSA,TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

Applications:

- LCD Power Screens
- Modems
- Fans
- Smart Card Readers

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.						A	B	C	D	E	Min.	Max.	1	100	500	1000
650—	MICROSMD005	30	10	0.05	0.15	1.5 @ .25	3.43	0.85	2.58	0.25	0.20	3.60	50.0	.54	.45	.37	.32
650—	MICROSMD010	30	10	0.1	0.25	1.0 @ .50	3.43	0.85	2.58	0.25	0.25	2.10	15.0	.54	.45	.37	.32
650—	MICROSMD035	6	40	0.35	0.75	.20 @ 8.0	3.43	0.85	2.58	0.30	0.25	0.32	1.30	.33	.27	.24	.23
650—	MICROSMD050	13.2	40	0.5	1	.10 @ 5.0	3.43	0.85	2.58	0.30	0.25	0.25	0.90	.54	.45	.37	.32
650—	MICROSMD075	6	40	0.75	1.5	.10 @ 8.0	3.43	0.85	2.58	0.30	0.25	0.11	0.40	.36	.34	.33	.31
650—	MICROSMD110	6	40	1.10	2.2	1.0 @ 5	3.43	.85	2.58	0.30	0.25	0.07	0.21	.36	.34	.33	.31
650—	MICROSMD150	6	40	1.5	3	5.0 @ 5.0	3.43	0.85	2.58	0.30	0.25	0.04	0.11	.33	.27	.24	.23

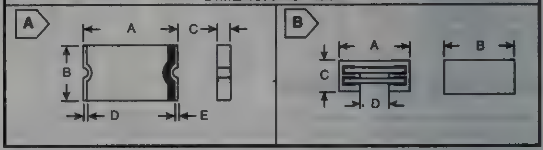
RAYCHEM MINISMD SERIES

Features:

- Voltage rating from 6V to 60V
- Agency recognition: UL,CSA,TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

Cross-Reference Chart	
Rachem miniSMD	Polytronics SMD 1812
	Bourns MF-MSMD
	Littelfuse 1812L

DIMENSIONS: mm



For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	100	500	1000
650—	MINISMDC014	A	60	10	.14	.34	.15 @ 1.5	4.73	3.41	0.89	0.30	0.50	1.50	6.00	.31	.29	.28	.26
650—	MINISMDC020	A	30	10	.20	.40	.02 @ 8.0	4.73	3.41	0.81	0.65	- -	.80	5.00	.52	.43	.35	.31
650—	MINISMDC050	A	15	40	.50	1.00	.10 @ 8.0	4.73	3.41	0.62	0.30	0.50	.15	1.00	.34	.33	.31	.30
650—	MINISMDC075	A	13.2	40	.75	1.50	.15 @ 8.0	4.73	3.41	0.62	0.30	0.50	.11	.45	.35	.34	.32	.30
650—	MINISMDC110	A	6	40	1.10	2.20	.30 @ 8.0	4.73	3.41	0.62	0.30	0.50	.04	.21	.29	.27	.26	.25
650—	MINISMDC125	A	6	40	1.25	2.50	.40 @ 8.0	4.73	3.41	0.48	0.30	0.50	.05	.14	.34	.33	.31	.30
650—	MINISMDC150	A	6	40	1.50	3.00	.50 @ 8.0	4.73	3.41	0.48	0.30	0.50	.04	.11	.33	.26	.24	.23
650—	MINISMDE190	A	16	100	1.90	3.80	2.0 @ 10	11.15	5.33	0.53	0.51	- -	.02	.08	.42	.33	.30	.29
650—	MINISMDC200	A	6	40	2.00	4.00	10.0 @ 8.0	4.73	3.41	1.62	0.30	0.50	.02	.07	.36	.29	.26	.25
650—	MINISMDM260	B	6	40	2.60	4.55	5.0 @ 8.0	4.75	3.60	2.00	1.40	- -	.01	- - -	.59	.56	.53	.51
650—	MINISMDM110/16	B	16	40	1.10	1.95	.50 @ 8.0	4.75	3.60	2.00	1.40	- -	.06	.18	.71	.59	.48	.42

RAYCHEM SMD SERIES

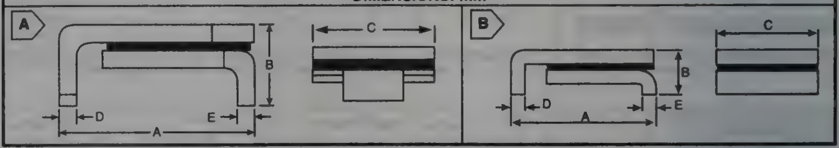
Features:

- Voltage rating from 6V to 60V
- Agency recognition: UL,CSA,TUV
- Industry's fastest time to trip
- Industry's lowest-resistance device

Applications:

- AC adapter input power
- LNB (Low Noise Block)
- Signal - data communication ≤30V
- IEEE 1394 Power Provider

DIMENSIONS: mm



For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Max. Volt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	100	500	1000
650—	SMD030	A	60	10	0.3	0.6	3.0 @ 1.5	7.98	3.18	5.44	0.71	0.71	1.2	4.80	.80	.67	.54	.47
650—	SMD050	A	60	10	0.5	1	4.0 @ 2.5	7.98	3.18	5.44	0.71	0.3	0.35	1.40	.80	.67	.54	.47
650—	SMD075	A	30	40	0.75	1.5	0.3 @ 8.0	7.98	3.18	5.44	0.71	0.71	0.35	1.00	.46	.44	.42	.40
650—	SMD100	A	30	40	1.1	2.2	0.5 @ 8.0	7.98	3	5.44	0.71	0.71	0.12	0.48	.80	.67	.54	.47
650—	SMD100-2018	B	15	15	1.1	2.2	0.5 @ 8.0	5.44	1.78	4.93	0.36	0.36	0.1	0.4	.46	.44	.42	.40
650—	SMD125	A	15	40	1.25	2.5	2.0 @ 8.0	7.98	3	5.44	0.71	0.71	0.16	0.25	.49	.39	.35	.34
650—	SMD150	A	15	40	1.5	3	5.0 @ 8.0	9.40	3	6.71	0.71	0.71	0.06	0.25	.49	.39	.35	.34
650—	SMD030-2018	B	60	20	0.3	0.8	1.5 @ 1.5	5.44	1.78	4.93	0.36	0.36	0.5	2.3	.46	.44	.42	.40
650—	SMD150/33	A	33	40	1.5	3	5 @ 8	9.4	3	6.71	0.71	0.71	0.080	0.230	.48	.46	.44	.42
650—	SMDH160	A	16	70	1.6	3.2	15 @ 8	9.4	3	6.71	0.71	0.71	0.05	0.15	.50	.48	.45	.43
650—	SMD200	A	15	40	2	4	12 @ 8.0	9.40	3	6.71	0.71	0.71	0.05	0.125	.49	.39	.35	.34
650—	SMD250	A	15	40	2.5	5	25 @ 8.0	9.40	3	6.71	0.71	0.71	0.035	0.085	.80	.67	.54	.47
650—	SMD260	A	6	40	2.6	5.2	20 @ 8.0	7.98	3	5.44	0.71	0.71	0.025	0.075	.48	.46	.44	.42
650—	SMD300	A	6	40	3	6	35 @ 8.0	7.98	3	5.44	0.71	0.71	0.015	0.048	.48	.46	.44	.42
650—	SMD185	A	33	40	1.8	3.6	5 @ 8	9.4	3	6.71	0.71	0.71	0.065	0.165	.87	.73	.59	.52

RAYCHEM PolySwitch Resettable Fuses

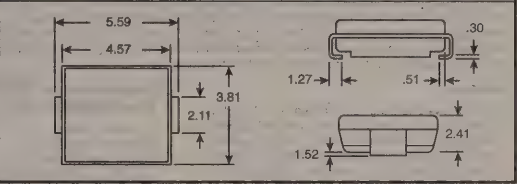
Products may be RoHS compliant.
Check mouser.com for RoHS status.

RAYCHEM TVB SERIES SIBAR THYRISTOR SURGE PROTECTORS

Features:

- Bidirectional transient voltage protection
- High off-state impedance
- Low on-state voltage
- Glass-passivated junctions
- Short-circuit failure mode
- Surface-mount technology

DIMENSIONS: mm



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		VDM Max (V)	VBO Max (V)	IH Min (mA)	VT Max (V)	C1 Min (A)	ITSM Min (A)	Price Each			
Mfr.	Mfr. Stock No.							1	100	500	1000
650	TVB270SC	270	370	175	5.0	50	60	.55	.44	.40	.38
650	TVB270SA	270	370	175	5.0	20	22	.31	.24	.22	.22

RAYCHEM LTP SERIES

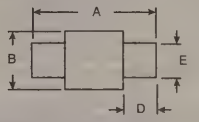
Raychem's PolySwitch Strap Battery Resettable device offers overcurrent protection for rechargeable batteries at elevated temperatures. Made with weldable nickel terminals, and is fully compatible with current industry standards

Applications:

- Mobile phone battery packs
- Cordless phone battery packs
- Computer and PDA battery packs
- Camcorder battery packs

Cross-Reference Chart		
Rachem LTP(xxx)	Wickmann LTD(xx)	Bourns MF-LS(xxx)

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.						A	B	C	D	E	Min.	Max.	1	10	100	500
650	LTP070	15	100	.70	1.50	5.0 @ 3.5	22.1	5.2	1.2	7.5	4.1	.100	.200	.43	.37	.34	.31
650	LTP100	24	100	1.00	2.50	7.0 @ 5.0	23.1	5.2	1.0	5.5	4.1	.070	.130	.43	.37	.34	.31
650	LTP180	24	100	1.80	3.80	2.9 @ 9.0	26.0	5.2	1.0	5.5	4.1	.040	.068	.43	.37	.34	.31
650	LTP190	24	100	1.90	4.20	3.0 @ 10.0	23.4	11.0	1.1	7.6	5.4	.030	.057	.43	.37	.34	.31

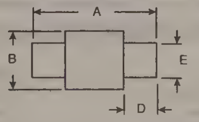
RAYCHEM SRP SERIES

Raychem's SRP Series offers the lowest resistance in ohm value when it comes to choosing a PolySwitch Resettable Device for your battery protection needs. The SRP can handle up to 30 volts DC with a trip rating of 7.6 amps.

Applications:

- Mobile phone battery packs
- Cordless phone battery packs
- Computer and PDA battery packs
- Camcorder battery packs

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

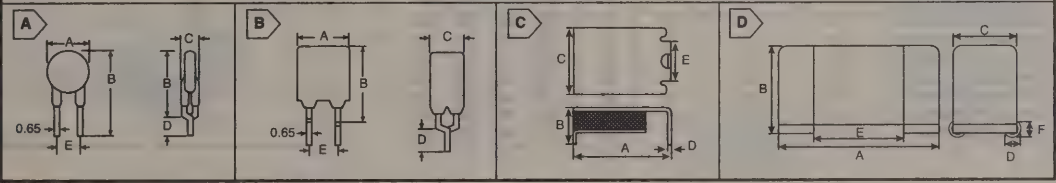
MOUSER STOCK NO.		VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (sec. @ A)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.						A	B	C	D	E	Min.	Max.	1	10	100	500
650	SRP120	15	100	1.2	2.7	5.0 @ 6.0	22.1	1.0	5.2	7.5	7.5	0.085	0.16	.42	.40	.38	.36
650	SRP175	15	100	1.75	3.8	5.0 @ 8.75	23.1	1.0	5.2	7.5	5.5	0.05	0.09	.42	.40	.38	.36
650	SRP200	30	100	2	4.4	4.0 @ 10.0	23.4	1.1	11.0	7.6	7.6	0.03	0.06	.42	.37	.34	.31
650	SRP350	30	100	3.5	6.3	3.0 @ 20.0	31.8	1.1	13.5	8.9	8.9	0.017	0.031	.44	.42	.40	.38
650	SRP420	30	100	4.2	7.6	6.0 @ 20.0	32.4	1.1	13.6	7.5	7.5	0.012	0.024	.45	.39	.36	.33

RAYCHEM TR & TS SERIES POLYSWITCH TELECOM AND NETWORK RESETTABLE FUSES

Features:

- Resettable overcurrent protection
- Fast time to trip
- Low parasitic capacitance / flat impedance with frequency

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	VMax. Interrupt	Max. Current	Hold Current	Trip Current	Time to Trip (A @ sec.)	Dimensions: mm					Resistance Ω		Price Each			
Mfr.	Mfr. Stock No.							A	B	C	D	E	Min.	Max.	1	10	100	500
650	TR250-080U	A	250	3	0.08	0.16	.35 @ 3.00	4.8	9.1	3.8	4.7	5.0	14.0	20.0	.48	.46	.44	.42
650	TR250-120	B	250	3	0.12	0.24	1.00 @ 1.50	6.5	11.0	4.6	4.7	5.0	4.0	8.0	.47	.41	.38	.35
650	TR250-145	B	250	3	0.145	0.29	1.00 @ 2.50	6.5	11.0	4.6	4.7	5.0	3.0	6.0	.51	.49	.47	.45
650	TRF250-180	A	250	10	0.18	0.65	3.00 @ 0.50	9.0	12.0	3.8	4.7	5.0	8.0	22.0	.53	.51	.48	.46
650	TR600-150	B	600	3	0.15	0.3	1.00 @ 5.00	13.5	12.6	6.0	4.7	5.0	6.0	12.0	.77	.73	.70	.66
650	TR600150RA-B-0.5	B	600	3	0.15	0.3	1.00 @ 5.00	13.5	12.6	6.0	4.7	5.0	7.0	10.0	.87	.83	.79	.75
650	TR600-160	B	600	3	0.16	0.32	1.00 @ 7.00	16.0	12.6	6.0	4.7	5.0	4.0	10.0	.84	.80	.76	.73
650	TR600160RAB.5.13	B	600	3	0.16	0.32	1.00 @ 7.00	16.0	12.6	6.0	4.7	5.0	4.0	10.0	.96	.92	.87	.83
650	TS250-130	C	250	3	0.13	0.23	1.00 @ .90	9.4	3.4	7.4	0.3	3.8	6.5	12.0	.66	.63	.60	.57
650	TS250-130-RA	C	250	3	0.13	0.23	1.00 @ 1.40	9.4	3.4	7.4	0.3	3.8	6.5	9.0	.68	.65	.62	.59
650	TS600-170	D	600	3	0.17	0.4	1.00 @ 10.00	19.4	12.3	8.3	2.4	10.4	4.0	9.0	1.07	1.02	.97	.92

RAYCHEM PESD and SMD Chip Fuses

Tyco Electronics
Authorized Distributor

Products may be RoHS compliant.
Check mouser.com for RoHS status.

RAYCHEM POLYMER ESD PROTECTORS

Raychem PESD devices are designed for use in low capacitance applications, such as designs with high speed data transmission needs. The compact design offers board space savings and longer battery life due to low leakage current. Features include thick film technology, capacitance typically less than .2pF, low leakage current, trigger and clamping voltages, and a response time less than 1ns. These devices are capable of withstanding numerous ESD strikes and are compatible with standard reflow installation procedures.

Features:

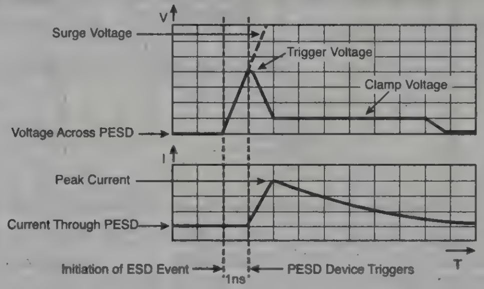
- Storage and Operating Temperature: -40°C - +85°C
- ESD Pulse Withstand: 100 pulses min., 500 pulses typ. (tested per IEC 61000-4-2, level 4, contact method)
- ESD Voltage Capability (tested per IEC 6100-4-2)
- Contact Discharge Mode: 8kV typ., 15kV max.
- Air Discharge Mode: 15kV typ., 25kV max.
- ROHS Compliant
- ELV Compliant

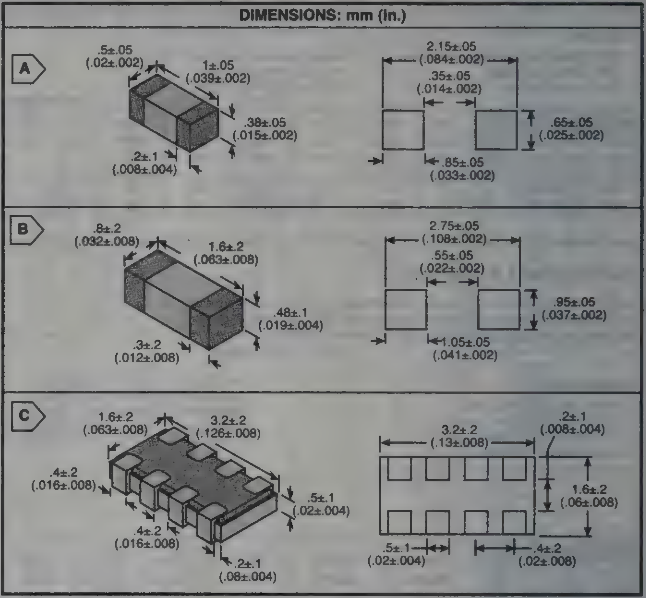
Applications for 650-PESD0402-060 and 650-PESD0603-140:

- Cellular Phones
- Portable Devices
- High Speed Ethernet
- USB 2.0 and IEEE 1394 Interfaces
- Antennas
- Printer Ports
- DVI and HDMI Interfaces

Applications for 650-PESD1206Q-140:

- Portable Devices
- High Speed Ethernet
- USB 2.0 and IEEE 1394 Interfaces
- Printer Ports
- DVI and HDMI Interfaces




DIMENSIONS: mm (in.)
A
.5±.05 (.02±.002)
1±.05 (.039±.002)
.38±.05 (.015±.002)
.2±.1 (.008±.004)
2.15±.05 (.084±.002)
.35±.05 (.014±.002)
.65±.05 (.025±.002)
.85±.05 (.033±.002)
B
.8±.2 (.032±.008)
1.6±.2 (.063±.008)
.48±.1 (.019±.004)
.3±.2 (.012±.008)
2.75±.05 (.108±.002)
.55±.05 (.022±.002)
.95±.05 (.037±.002)
1.05±.05 (.041±.002)
C
1.6±.2 (.063±.008)
3.2±.2 (.126±.008)
.4±.2 (.016±.008)
.5±.1 (.02±.004)
.4±.2 (.016±.008)
.2±.1 (.08±.004)
3.2±.2 (.13±.008)
.2±.1 (.008±.004)
1.6±.2 (.06±.008)
.5±.1 (.02±.004)
.4±.2 (.02±.008)

Note:

- Measured during IEC 61000-4-2, level 4 pulse, 8kV contact test method
- Measured 30ns after pulse initiation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Continuous Maximum Operating Voltage	Typical IEC Trigger Voltage	Typical IEC Clamping Voltage after 30ns	Typical TLP Trigger Voltage	Typical TLP Clamping Voltage after 30ns	Typical TLP Clamping Voltage after 60ns	Typical Capacitance @ 1 MHz, 1Vrms	Typical Leakage Current @ 6VDC	Maximum Leakage Current @ 6VDC	Price Each			
		VDC (V)	VT(IEC) (V)	VC(IEC) (V)	VC(TLP) (V)	VC(TLP 30) (V)	VC(TLP 60) (V)	Cp (pF)	IL(Typ) (μA)	IL(MAX) (μA)	1	10	100	500
650-PESD0402-060	A	6	150	25	225	40	35	0.25	<0.001	0.05	**.15**	**.14**	**.14**	**.13**
650-PESD0603-140	B	14	350	30	320	75	65	0.25	<0.001	0.01	**.12**	**.12**	**.11**	**.11**
650-PESD1206Q-140	C	14	150	30	-	-	-	0.2	<0.001	0.01	**.36**	**.35**	**.33**	**.31**

RAYCHEM FAST ACTING SMD CHIP FUSES

Features:

- Small size with high current ratings
- Excellent temperature stability
- High reliability and resilience
- Strong arc suppression characteristics

Features:

- Monolithic, multilayer design
- Lead-free construction
- High temperature performance
- -55° to +125°C operating range

Agency Approvals:

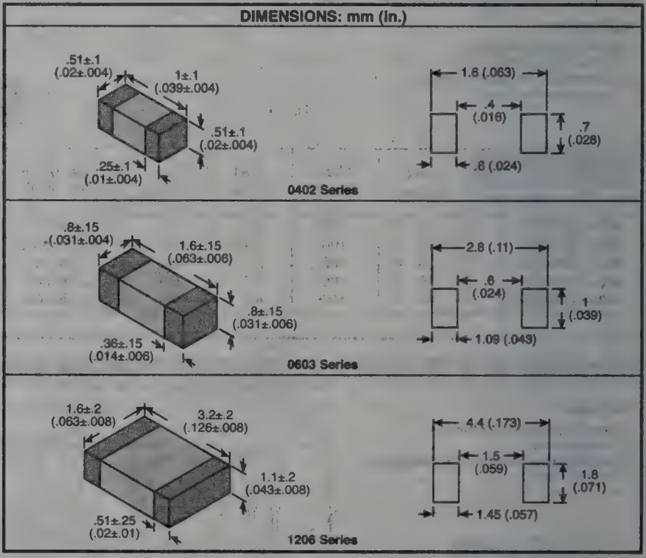
- UL File# E197536

Applications:

- Laptops
- Digital cameras
- Cell phones
- Printers
- DVD players
- Portable electronics
- Game systems
- LCD displays
- Scanners

Clear Time Characteristics:

% of rated current	Clear time at 25°C
100	4 Hours Min
250	5 Seconds Max
400	.05 Seconds Max


DIMENSIONS: mm (in.)
.51±.1 (.02±.004)
1±.1 (.039±.004)
.51±.1 (.02±.004)
.25±.1 (.01±.004)
1.6 (.063)
.4 (.016)
.7 (.028)
.6 (.024)
.8±.15 (.031±.004)
1.6±.15 (.063±.006)
.8±.15 (.031±.006)
.36±.15 (.014±.006)
2.8 (.11)
.6 (.024)
1 (.039)
1.09 (.043)
1.6±.2 (.063±.008)
3.2±.2 (.126±.008)
1.1±.2 (.043±.008)
.51±.25 (.02±.01)
4.4 (.173)
1.5 (.059)
1.8 (.071)
1.45 (.057)

0402 Series

0603 Series

1206 Series

0402 Series (1005mm)

For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
650-0402SFF050F/24	0.50	0.38	24	35	**.33**	**.32**	**.30**	**.29**
650-0402SFF075F/24	0.75	0.21	24	35	**.33**	**.32**	**.30**	**.29**
650-0402SFF100F/24	1.00	0.12	24	35	**.33**	**.32**	**.30**	**.29**
650-0402SFF150F/24	1.50	0.056	24	35	**.33**	**.32**	**.30**	**.29**
650-0402SFF200F/24	2.00	0.035	24	35	**.33**	**.32**	**.30**	**.29**
650-0402SFF300F/24	3.00	0.021	24	35	**.33**	**.32**	**.30**	**.29**
650-0402SFF400F/24	4.00	0.014	24	35	**.33**	**.32**	**.30**	**.29**

0603 Series (1608mm)

For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
650-0603SFF050F/32	0.50	0.485	32	50	**.26**	**.25**	**.24**	**.23**
650-0603SFF075F/32	0.75	0.254	32	50	**.26**	**.25**	**.24**	**.23**
650-0603SFF100F/32	1.00	0.131	32	50	**.26**	**.25**	**.24**	**.23**
650-0603SFF150F/32	1.50	0.059	32	35	**.26**	**.25**	**.24**	**.23**
650-0603SFF200F/32	2.00	0.044	32	35	**.26**	**.25**	**.24**	**.23**
650-0603SFF250F/32	2.50	0.032	32	35	**.26**	**.25**	**.24**	**.23**
650-0603SFF300F/32	3.00	0.025	32	35	**.26**	**.25**	**.24**	**.23**
650-0603SFF350F/32	3.50	0.024	32	35	**.26**	**.25**	**.24**	**.23**
650-0603SFF400F/32	4.00	0.018	32	35	**.26**	**.25**	**.24**	**.23**
650-0603SFF500F/32	5.00	0.013	32	35	**.26**	**.25**	**.24**	**.23**
650-0603SFF600F/24	6.00	0.01	24	35	**.26**	**.25**	**.24**	**.23**

1206 Series (3216mm)

For quantities of 500 and up, call or quote.

MOUSER STOCK NO.	Rated Current (A)	Nominal Cold DCR (Ω)	Voltage (V)	Current (A)	Price Each			
					1	10	100	250
650-1206SFF050F/63	0.50	0.5	63	50	**.29**	**.27**	**.26**	**.25**
650-1206SFF075F/63	0.75	0.33	63	50	**.29**	**.27**	**.26**	**.25**
650-1206SFF100F/63	1.00	0.22	63	50	**.29**	**.27**	**.26**	**.25**
650-1206SFF150F/63	1.50	0.12	63	50	**.29**	**.27**	**.26**	**.25**
650-1206SFF175F/63	1.75	0.1	63	50	**.29**	**.27**	**.26**	**.25**
650-1206SFF200F/63	2.00	0.05	63	50	**.29**	**.27**	**.26**	**.25**
650-1206SFF250F/32	2.50	0.035	32	50	**.29**	**.27**	**.26**	**.25**
650-1206SFF300F/32	3.00	0.031	32	50	**.29**	**.27**	**.26**	**.25**
650-1206SFF400F/32	4.00	0.022	32	45	**.29**	**.27**	**.26**	**.25**
650-1206SFF500F/32	5.00	0.015	32	45	**.29**	**.27**	**.26**	**.25**
650-1206SFF600F/24	6.00	0.013	24	45	**.29**	**.27**	**.26**	**.25**
650-1206SFF700F/24	7.00	0.011	24	45	**.29**	**.27**	**.26**	**.25**
650-1206SFF800F/24	8.00	0.008	24	45	**.29**	**.27**	**.26**	**.25**

AEM SMD Chip Fuses

RoHS Compliant This page of product is compliant.

AEM, INC.

SLOW BLOW SURFACE MOUNT FUSES

SolidMatrix® 0603

Features:
- Superior pulse tolerance capability
- Multilayer ceramic monolithic structure with silver fusing element
- Standard EIA0603/EIAJ1608 Size. (For 1206, change to Standard EIA1206/EIAJ3216 Size)
- Silver termination with nickel and tin plating, providing excellent solderability
- Compatible with lead-free soldering process
- Operating temperature: -55°C to 125°C (with de-rating)
- RoHS compliant materials

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AEM Part No.	Figure	Amp (A)	Volts (V)	Price Each		
					1	25	50
637-F0603SB1000V032	F0603SB1000V032T	A	1.0A	32V	.33	.31	.30
637-F0603SB1500V032	F0603SB1500V032T	A	1.5A	32V	.33	.31	.30
637-F0603SB2000V032	F0603SB2000V032T	A	2.0A	32V	.33	.31	.30
637-F0603SB2500V032	F0603SB2500V032T	A	2.5A	32V	.33	.31	.30
637-F0603SB3000V032	F0603SB3000V032T	A	3.0A	32V	.33	.31	.30
637-F0603SB3500V032	F0603SB3500V032T	A	3.5A	32V	.33	.31	.30
637-F0603SB4000V032	F0603SB4000V032T	A	4.0A	32V	.33	.31	.30
637-F0603SB4500V032	F0603SB4500V032T	A	4.5A	32V	.33	.31	.30
637-F0603SB5000V032	F0603SB5000V032T	A	5.0A	32V	.33	.31	.30

SolidMatrix® 1206

Features:
- Superior pulse tolerance capability
- Multilayer ceramic monolithic structure with silver fusing element
- Standard EIA0603/EIAJ1608 Size. (For 1206, change to Standard EIA1206/EIAJ3216 Size)
- Silver termination with nickel and tin plating, providing excellent solderability
- Compatible with lead-free soldering process
- Operating temperature: -55°C to 125°C (with de-rating)
- RoHS compliant materials

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AEM Part No.	Figure	Amp (A)	Volts (V)	Price Each		
					1	25	50
637-F1206SB1000V063	F1206SB1000V063T	B	1.0A	63V	.37	.36	.34
637-F1206SB1250V063	F1206SB1250V063T	B	1.25A	63V	.37	.36	.34
637-F1206SB1500V063	F1206SB1500V063T	B	1.5A	63V	.37	.36	.34
637-F1206SB2000V063	F1206SB2000V063T	B	2.0A	63V	.37	.36	.34
637-F1206SB2500V032	F1206SB2500V032T	B	2.5A	32V	.37	.36	.34
637-F1206SB3000V032	F1206SB3000V032T	B	3.0A	32V	.37	.36	.34
637-F1206SB3500V032	F1206SB3500V032T	B	3.5A	32V	.52	.50	.48
637-F1206SB4000V032	F1206SB4000V032T	B	4.0A	32V	.52	.50	.48
637-F1206SB4500V032	F1206SB4500V032T	B	4.5A	32V	.52	.50	.48
637-F1206SB5000V032	F1206SB5000V032T	B	5.0A	32V	.52	.50	.48
637-F1206SB5500V024	F1206SB5500V024T	B	5.5A	24V	.52	.50	.48
637-F1206SB6000V024	F1206SB6000V024T	B	6.0A	24V	.52	.50	.48
637-F1206SB7000V024	F1206SB7000V024T	B	7.0A	24V	.52	.50	.48
637-F1206SB8000V024	F1206SB8000V024T	B	8.0A	24V	.52	.50	.48

HIGH INRUSH CURRENT SURFACE MOUNT FUSES

SolidMatrix® 0603

Features:
- High inrush current withstanding capability
- Multilayer ceramic monolithic structure with silver fusing element
- Standard EIA0603/EIAJ1608 Size (For 1206, change to Standard EIA1206/EIAJ3216 Size)
- Silver termination with nickel and tin plating, providing excellent solderability
- Compatible with lead-free soldering process
- Operating temperature: -55°C to 125°C (with de-rating)
- RoHS compliant materials

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AEM Part No.	Figure	Amp (A)	Volts (V)	Price Each		
					1	25	50
637-F0603HI1000V032	F0603HI1000V032T	A	1.0A	32V	.23	.22	.21
637-F0603HI1500V032	F0603HI1500V032T	A	1.5A	32V	.23	.22	.21
637-F0603HI2000V032	F0603HI2000V032T	A	2.0A	32V	.23	.22	.21
637-F0603HI2500V032	F0603HI2500V032T	A	2.5A	32V	.23	.22	.21
637-F0603HI3000V032	F0603HI3000V032T	A	3.0A	32V	.23	.22	.21
637-F0603HI3500V032	F0603HI3500V032T	A	3.5A	32V	.23	.22	.21
637-F0603HI4000V032	F0603HI4000V032T	A	4.0A	32V	.23	.22	.21
637-F0603HI4500V032	F0603HI4500V032T	A	4.5A	32V	.23	.22	.21
637-F0603HI5000V032	F0603HI5000V032T	A	5.0A	32V	.23	.22	.21

SolidMatrix® 1206

Features:
- High inrush current withstanding capability
- Multilayer ceramic monolithic structure with silver fusing element
- Standard EIA0603/EIAJ1608 Size (For 1206, change to Standard EIA1206/EIAJ3216 Size)
- Silver termination with nickel and tin plating, providing excellent solderability
- Compatible with lead-free soldering process
- Operating temperature: -55°C to 125°C (with de-rating)
- RoHS compliant materials

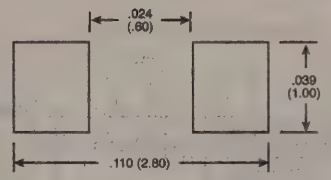
RoHS Compliant

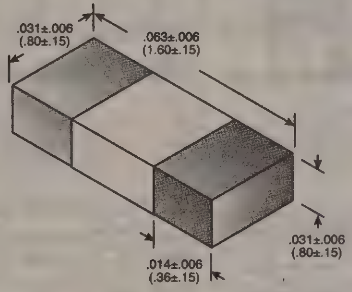
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AEM Part No.	Figure	Amp (A)	Volts (V)	Price Each		
					1	25	50
637-F1206HI1000V063	F1206HI1000V063T	B	1.0A	63V	.26	.24	.23
637-F1206HI1500V063	F1206HI1500V063T	B	1.5A	63V	.26	.24	.23
637-F1206HI2000V063	F1206HI2000V063T	B	2.0A	63V	.26	.24	.23
637-F1206HI2500V032	F1206HI2500V032T	B	2.5A	32V	.26	.24	.23
637-F1206HI3000V032	F1206HI3000V032T	B	3.0A	32V	.26	.24	.23
637-F1206HI3500V032	F1206HI3500V032T	B	3.5A	32V	.26	.24	.23
637-F1206HI4000V032	F1206HI4000V032T	B	4.0A	32V	.26	.24	.23
637-F1206HI4500V032	F1206HI4500V032T	B	4.5A	32V	.26	.24	.23
637-F1206HI5000V032	F1206HI5000V032T	B	5.0A	32V	.26	.24	.23

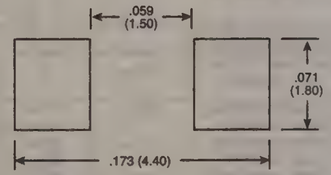
DIMENSIONS: in. (mm)

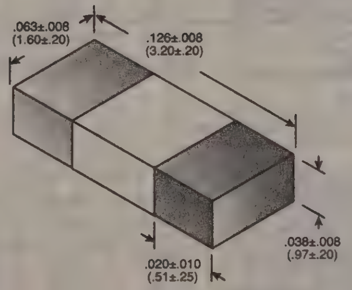
A





B



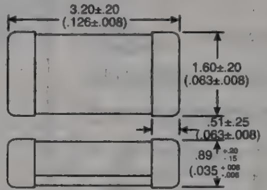


COOPER / BUSSMANN SMD Fuses

RoHS Compliant **This page of product is compliant.**

3216FF SERIES FAST-ACTING CHIP FUSES

Features:
- Protects against harmful overcurrents in secondary applications
- High inrush withstand capability
- Wire-in-Air performance
- Compatible with leaded and lead-free reflow and wave solder
- 1206 Package

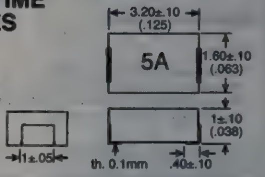


For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Amp (A)	Voltage VAC	Rating VDV	Price Each				Reel	
Mfr.	Mfr. Part No.				1	25	50	100	Qty.	Each
504—	TR/3216FF1-R	1	32	63	.72	.66	.55	.48	3000	.32
504—	TR/3216FF-1.5-R	1.5	32	63	.72	.66	.55	.48	3000	.32
504—	TR/3216FF2-R	2	32	63	.72	.66	.55	.48	3000	.32
504—	TR/3216FF-3-R	3	32	63	.72	.66	.55	.48	3000	.32
504—	TR/3216FF4-R	4	32	32	.72	.66	.55	.48	3000	.32
504—	TR/3216FF5-R	5	32	32	.72	.66	.55	.48	3000	.32
504—	3216FF15-R	15	24	24	.84	.78	.59	.48	3000	.44
504—	3216FF20-R	20	24	24	.84	.78	.59	.48	3000	.44

3216TDF SERIES TIME DELAY CHIP FUSES

Features:
- Surface mount fuse, fast acting
- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Excellent environmental integrity
- Ampere rating marked and oriented facing up in carrier
- Solder-free design provides excellent temperature cycling characteristics
- Heat and shock tolerant
- 1206 Package



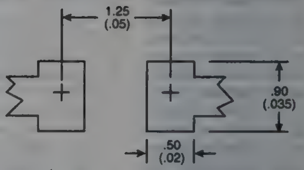
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Amp (A)	Voltage VAC	Rating VDV	Price Each				Reel	
Mfr.	Mfr. Part No.				1	25	50	100	Qty.	Each
504—	3216TD1-R	1	63	63	.87	.73	.64	.58	2500	.39
504—	3216TD1.5-R	1.5	32	32	.87	.73	.64	.58	2500	.39
504—	3216TD2-R	2	32	32	.87	.73	.64	.58	2500	.39
504—	3216TD2.5-R	2.5	32	32	.87	.73	.64	.58	2500	.39
504—	3216TD3-R	3	32	32	.87	.73	.64	.58	2500	.39
504—	3216TD4-R	4	32	32	.87	.73	.64	.58	2500	.39
504—	3216TD5-R	5	32	32	.87	.73	.64	.58	2500	.39
504—	3216TD6.3-R	6.3	32	32	.87	.73	.64	.58	2500	.39
504—	3216TD7-R	7	32	32	.87	.73	.64	.58	2500	.39
504—	3216TD10-R	10	32	32	1.02	.94	.71	.58	2500	.48
504—	3216TD12-R	12	32	32	1.02	.94	.71	.58	2500	.48

CHIP™ FUSES 0603FA SERIES, FAST ACTING

Features:
- Rapid interruption of excessive current
- Compatible with reflow and wave solder
- Rugged ceramic and glass construction
- Excellent environmental integrity
- One time positive disconnect
- Compatible with lead free solders and higher temperature profiles

Land Pattern

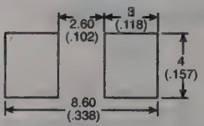


For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Current Rating	Voltage Rating DC	Interrupting Rating	DC Cold Res (ohms)	Melting 12t Typ.	Voltage Drop Type	Price Each				Reel	
Mfr.	Mfr. Part No.							1	25	50	100	Qty.	Each
504—	TR/0603FA500-R	500mA	32V	50A	1.025	0.00193	0.6	.68	.59	.54	.51	5000	.38
504—	TR/0603FA1-R	1A	32V	50A	0.15	0.0025	0.211	.68	.59	.54	.51	5000	.38
504—	TR/0603FA1.5-R	1.5A	32V	35A	0.086	0.0319	0.138	.54	.47	.43	.41	5000	.30
504—	TR/0603FA2-R	2A	32V	35A	0.051	0.0491	0.116	.54	.47	.43	.41	5000	.30
504—	TR/0603FA2.5-R	2.5A	24V	35A	0.037	0.0625	0.113	.54	.47	.43	.41	5000	.30
504—	TR/0603FA3-R	3A	24V	35A	0.028	0.0699	0.11	.54	.47	.43	.41	5000	.30
504—	TR/0603FA4-R	4A	24V	35A	0.017	0.243	0.097	.54	.47	.43	.41	5000	.30
504—	TR/0603FA5-R	5A	24V	35A	0.011	0.695	0.09	.54	.47	.43	.41	5000	.30

BRICK FUSES 6125FF SERIES, FAST ACTING

Features:
- Fast Acting Surface Mount Fuse
- Overcurrent protetction of systems up to 125VAC/72VDC
- Solder immersion compatible



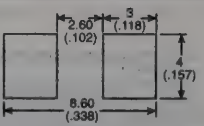
Land Pattern

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Current Rating	Voltage AC	Rating DC	Interrupting Rating			DC Cold Res. mΩ Typ.	Melting 12t (A2 sec)	Price Each				Reel	
Mfr.	Mfr. Part No.				125VAC	72VDC	32VDC			1	25	50	100	Qty.	Each
504—	TR2/6125FF500-R	500mA	125V	72V	50A	50A	300A	750	0.08	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF1-R	1A	125V	72V	50A	50A	300A	260	0.22	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF1.5-R	1.5A	125V	72V	50A	50A	300A	112	0.456	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF2-R	2A	125V	72V	50A	50A	300A	49	1.67	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF2.5-R	2.5A	125V	72V	50A	50A	300A	45	5.2	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF3-R	3A	125V	72V	50A	50A	300A	35	6.24	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF4-R	4A	125V	72V	50A	50A	300A	26	7.4	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF5-R	5A	125V	72V	50A	50A	300A	17	9.5	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF6.3-R	6.3A	125V	72V	50A	50A	300A	14	15.1	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF7-R	7A	125V	72V	50A	50A	300A	11	37.25	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF10-R	10A	125V	72V	50A	50A	300A	7.3	67.75	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF12-R	12A	125V	72V	50A	50A	300A	5.3	210.59	.48	.46	.43	.41	5000	.38
504—	TR2/6125FF15-R	15A	125V	72V	50A	50A	300A	4.2	296.1	.48	.46	.43	.41	5000	.38

BRICK™ FUSES 6125TD SERIES, TIME DELAY

Features:
- Time Delay surface mount fuse
- Complies with EIA-IS-722 Standard
- Solder Immersion Compatible



Land Pattern

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Current Rating	Voltage AC	Rating DC	Interrupting Rating			DC Cold Res. mΩ Typ.	Melting 12t (A2 sec)	Price Each				Reel	
Mfr.	Mfr. Part No.				125VAC	72VDC	32VDC			1	25	50	100	Qty.	Each
504—	TR1/6125TD500-R	500mA	125V	60V	50A	50A	0.4025	0.716	245 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD1-R	1A	125V	60V	50A	50A	0.168	2.88	256 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD1.5-R	1.5A	125V	60V	50A	50A	0.063	2.35	125 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD2-R	2A	125V	60V	50A	50A	0.048	9.45	133 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD2.5-R	2.5A	125V	60V	50A	50A	0.035	16.2	130 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD3-R	3A	125V	60V	50A	50A	0.0263	15.3	97 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD3.5-R	3.5A	125V	60V	50A	50A	0.0195	14.5	95 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD4-R	4A	125V	60V	50A	50A	0.0185	38.8	106 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD5-R	5A	125V	60V	50A	50A	0.0133	34.4	100 mV	.95	.83	.76	.72	1000	.60
504—	TR1/6125TD7-R	7A	125V	60V	50A	50A	0.0087	90.2	99 mV	.95	.83	.76	.72	1000	.60

COOPER / BUSSMANN SMD Fuses

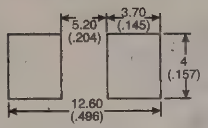
RoHS Compliant This page of product is compliant.

COOPER Bussmann

COOPER Bussmann TCP™ SERIES TCP1.25A, TELECOM CIRCUIT PROTECTOR

Features:
- The first and most reliable surface mount telecom circuit protector designed to protect against power cross faults and comply with all surge requirements.
- Allows compliance with telecom regulatory standards including Bellcore GR 1089, UL 1950/60950, and FCC part 68. Application circuit testing is recommended.
- Eliminates the need for a current limiting resistor.
- Protects against overcurrent conditions found in telecom Subscriber Line Interface Cards (SLICs), xDSL Modem Applications, Set-Top Boxes, and Consumer Premises Equipment (CPE).

Land Pattern



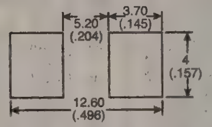
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Voltage Rating AC	Interrupting 250VAC	Rating 600VAC	DC Cold Min.	Resistance Typ.	(Ω) Max.	Typical Melting 12t	Max. Total Clearing	Typical Voltage Drop	Price Each				Reel	
Mfr.	Mfr. Part No.										1	25	50	100	Qty.	Each
504—	TCP1.25-R	250 V	50 A	60 A	0.07	0.09	0.11	22.2 A2s	100 A2s	150mV	.92	.81	.73	.70	2500	.55

COOPER Bussmann TCP™ SERIES TCP500MA & TCP2A,TELECOM CIRCUIT PROTECTOR

Features:
- Designed to protect Consumer Premises Equipment from harmful overcurrents.
- Allows compliance with telecom regulatory standards including UL 1950/60950, and FCC part 68. Application circuit testing is recommended.
- Eliminates the need for a current limiting resistor.

Land Pattern



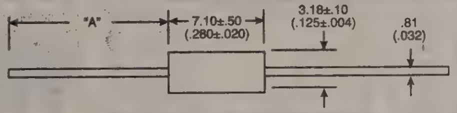
For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Voltage Rating AC	Interrupting 250VAC	Rating 600VAC	DC Cold Min.	Resistance Typ.	(Ω) Max.	Typical Melting 12t	Max. Total Clearing	Typical Voltage Drop	Price Each				Reel	
Mfr.	Mfr. Part No.										1	25	50	100	Qty.	Each
504—	TCP500-R	250 V	50 A	40A	0.42	0.53	0.64	1.3 A2s	100 A2s	471mV	.92	.81	.73	.70	2500	.55
504—	TR2/TCP2-R	250V	50A	60A	0.05	0.075	0.1	30 A2s	100 A2s	205mV	.92	.81	.73	.70	2500	.55

COOPER Bussmann SUBMINIATURE MICROTRON® FUSES MCRS SERIES, SLOW BLOW, WIRE-IN-AIR

Features:
- Axial Leaded Slow Blow Thru-Hole Fuse
- Tin-lead Plated Copper Lead Wires
- High Temperature Epoxy Plastic Body, UL 94 VO

Packaging Cod	"A" Length
BK1	1.5"
TR1	1.13"

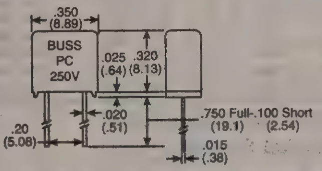


For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Rating AC/DC	Interrupting AC	Rating DC	Resistance (Ω) Typ.	Typical Melting 12t	Voltage Drop Type	Price Each				Reel	
Mfr.	Mfr. Part No.							1	25	50	100	Qty.	Each
504—	MCRS250MA	125 V	50 A	300 A	3.2	0.042	2.2	1.26	1.11	1.01	.96	2500	.75
504—	MCRS500MA	125 V	50 A	300 A	1.07	0.18	1.42	1.26	1.11	1.01	.96	2500	.75
504—	MCRS1A	125 V	50 A	300 A	0.36	0.78	0.91	1.26	1.11	1.01	.96	2500	.75
504—	MCRS1.5A	125 V	50 A	300 A	0.18	1.9	0.7	1.26	1.11	1.01	.96	2500	.75
504—	MCRS2A	125 V	50 A	300 A	0.12	3.4	0.59	1.26	1.11	1.01	.96	2500	.75
504—	MCRS3A	125 V	50 A	300 A	0.06	8.1	0.45	1.26	1.11	1.01	.96	2500	.75
504—	MCRS4A	125 V	50 A	300 A	0.04	15	0.38	1.26	1.11	1.01	.96	2500	.75
504—	MCRS5A	125 V	50 A	300 A	0.02	35	0.29	1.26	1.11	1.01	.96	2500	.75
504—	MCRS7A	125 V	50 A	300 A	0.01	63	0.25	1.26	1.11	1.01	.96	2500	.75

COOPER Bussmann PRINTED CIRCUIT BOARD FUSES (PC-TRON SERIES)

Features:
- Radial Leaded Fast Acting Thru-Hole Fuse
- Ideal for high voltage DC applications
- Board washable
- Optional mounting socket available (PCS)
- Available in different lead configurations



For quantities of 500 or more, call for quote.

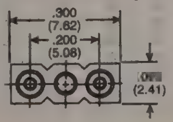
MOUSER STOCK NO.		Lead Length	Voltage Rating AC	AC Interrupting	Voltage Rating DC	DC Min.	Interrupting Max.	Price Each				Reel	
Mfr.	Mfr. Part No.							1	25	50	100	Qty.	Each
504—	TR/PCB-1/2-R	0.750"	250V	50A @ 250V	450V	300	5900A	4.65	4.19	3.72	3.53	500	3.16
504—	TR/PCB-1-R	0.750"	250V	50A @ 250V	450V	300	5900A	4.65	4.19	3.72	3.53	500	3.16
504—	TR/PCB-1-1/2-R	0.750"	250V	50A @ 250V	450V	300	5900A	4.65	4.19	3.72	3.53	500	3.16
504—	TR/PCB-2-R	0.750"	250V	50A @ 250V	450V	300	5900A	4.65	4.19	3.72	3.53	500	3.16
504—	TR/PCB-3-R	0.750"	250V	50A @ 250V	450V	300	5900A	4.65	4.19	3.72	3.53	500	3.16
504—	TR/PCC-1/2-R	0.100"	250V	50A @ 250V	450V	300	5900A	3.72	3.53	3.35	3.16	500	2.98
504—	TR/PCC-1-R	0.100"	250V	50A @ 250V	450V	300	5900A	3.72	3.53	3.35	3.16	500	2.98
504—	TR/PCC-1-1/2-R	0.100"	250V	50A @ 250V	450V	300	5900A	3.72	3.53	3.35	3.16	500	2.98
504—	TR/PCC-2-R	0.100"	250V	50A @ 250V	450V	300	5900A	3.72	3.53	3.35	3.16	500	2.98
504—	TR/PCC-3-R	0.100"	250V	50A @ 250V	350V	300	4400A	3.72	3.53	3.35	3.16	500	2.98
504—	TR/PCD-5-R	0.100"	250V	50A @ 250V	350V	300	4400A	3.72	3.53	3.35	3.16	500	2.79
504—	TR/PCE-5-R	0.100"	125V	10kA @ 125V	250V	300	4200A	3.72	3.53	3.35	3.16	500	2.98

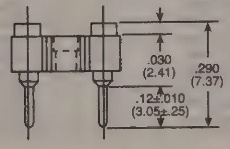
COOPER Bussmann PRINTED CIRCUIT BOARD MOUNTING SOCKET (PC-TRON SERIES)

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.		Price Each			
Mfr.	Mfr. Part No.	1	25	50	100
504—	PCS	.64	.57	.51	.49

Features:
- Designed for use with printed circuit board fuses (PC-Tron Series)





COOPER BUSSMANN Fuses

Products may be RoHS compliant.
Check mouser.com for RoHS status.

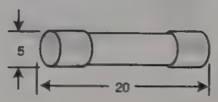
COOPER Bussmann

All are UL Approved except where noted by an asterisk.

*

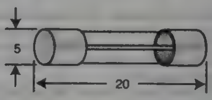
† Not UL Approved or Recognized

A



Ceramic Tube

B



Glass Tube

COOPER BUSSMAN 5MM X 20MM FUSES

DIMENSIONS: mm

GDA Series Fast Acting/High Breaking Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-GDA-50MA	A	.05	250	1.52	1.21	1.09
504-GDA-100MA	A	.1	250	1.21	.97	.87
504-GDA-160MA	A	.16	250	1.21	.97	.87
504-GDA-200MA	A	.2	250	1.21	.97	.87
504-GDA-250MA	A	.25	250	1.21	.97	.87
504-GDA-315MA	A	.315	250	1.21	1.19	1.18
504-GDA-500MA	A	0.5	250	1.01	.80	.72
504-GDA-630MA	A	.63	250	1.18	1.04	.94
504-GDA-800MA	A	.8	250	1.07	.86	.77
504-GDA-1A	A	1	250	1.07	.86	.77
504-GDA-1.25A	A	1.25	250	1.01	.80	.72
504-GDA-1.6A	A	1.6	250	1.01	.80	.72
504-GDA-2A	A	2	250	1.07	.86	.77
504-GDA-2.5A	A	2.5	250	1.01	.80	.72
504-GDA-3.15A	A	3.15	250	1.07	.86	.77
504-GDA-4A	A	4	250	1.07	.86	.77
504-GDA-5A	A	5	250	1.18	1.04	.94
504-GDA-6.3A	A	6.3	250	1.05	.92	.87

GDB Series Fast Acting/Low Breaking Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-GDB-80MA	B	.08	250	1.30	1.04	.93
504-GDB-100MA	B	.1	250	1.22	1.14	1.08
504-GDB-125MA	B	.125	250	1.30	1.04	.93
504-GDB-160MA	B	.16	250	.69	.55	.50
504-GDB-315MA	B	.315	250	.69	.55	.50
504-GDB-400MA	B	.4	250	.73	.59	.53
504-GDB-500MA	B	.5	250	.23	.21	.19
504-GDB-630MA	B	.63	250	.23	.18	.16
504-GDB-800MA	B	.8	250	.21	.17	.15
504-GDB-1A	B	1	250	.23	.18	.16
504-GDB-1.25A	B	1.25	250	.21	.19	.18
504-GDB-2A	B	2	250	.23	.18	.16
504-GDB-2.5A	B	2.5	250	.21	.17	.15
504-GDB-3.15A	B	3.15	250	.23	.21	.20
504-GDB-4A	B	4	250	.21	.17	.15
504-GDB-5A	B	5	250	.23	.18	.16
504-GDB-6.3A	B	6.3	250	.21	.18	.16
504-GDB-10	B	10	250	.79	.63	.57

GDC Series Time Delay/Low Breaking Fuses

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-GDC-V-50MA	B	.05	250	1.95	1.56	1.40
504-GDC-63MA	B	.063	250	1.68	1.35	1.21
504-GDC-100MA	B	.1	250	1.08	.97	.86
504-GDC-V-100MA	B	0.1	250	1.29	1.03	.93
504-GDC-125MA	B	.125	250	.90	.86	.77
504-GDC-V-160MA	B	0.16	250	1.29	1.03	.93
504-GDC-200MA	B	.2	250	.92	.73	.66
504-GDC-250MA	B	.25	250	1.08	.97	.86
504-GDC-500MA	B	.5	250	.78	.68	.62
504-GDC-630MA	B	.63	250	.67	.53	.48
504-GDC-800MA	B	.8	250	.67	.53	.48
504-GDC-1A	B	1	250	.71	.57	.51
504-GDC-1.25A	B	1.25	250	.71	.57	.51
504-GDC-1.6A	B	1.6	250	.71	.57	.51
504-GDC-2A	B	2	250	.71	.57	.51
504-GDC-2.5A	B	2.5	250	.66	.53	.48
504-GDC-3.15A	B	3.15	250	.77	.70	.62
504-GDC-4A	B	4	250	.71	.57	.51
504-GDC-5A	B	5	250	.77	.70	.62
504-GDC-6.3A	B	6.3	250	.68	.62	.59

GMA Series Fast Acting Fuses

- Accepted worldwide
- Recommended for new designs

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-GMA-63MA	B	.063	250	1.37	1.09	.98
504-GMA-1/10	B	1/10	250	.64	.51	.46
504-GMA-1/8	B	1/8	250	.64	.51	.46
504-GMA-2/10	B	2/10	250	.64	.51	.46
504-GMA-1/4	B	1/4	250	.64	.51	.46
504-GMA-1/2	B	1/2	250	.35	.28	.25
504-GMA-3/4	B	3/4	250	.35	.28	.25
504-GMA-8/10	B	8/10	250	.35	.28	.25
504-GMA-1	B	1	250	.28	.22	.20
504-GMA-1-1/4	B	1-1/4	250	.28	.22	.20
504-GMA-1-1/2	B	1 1/2	250	.28	.22	.20
504-GMA-1.6	B	1-6/10	250	.28	.22	.20
504-GMA-2	B	2	250	.28	.22	.20
504-GMA-2-1/2	B	2 1/2	250	.28	.22	.20
504-GMA-3	B	3	250	.28	.22	.20
504-GMA-3.15	B	3-15/100	125	.28	.22	.20
504-GMA-3.5	B	3-1/2	125	.28	.22	.20
504-GMA-4	B	4	125	.28	.22	.20
504-GMA-5	B	5	125	.28	.22	.20
*504-GMA-6	B	6	125	.28	.22	.20
*504-GMA-7	B	7	125	.28	.22	.20
*504-GMA-8	B	8	125	.28	.22	.20
*504-GMA-10	B	10	125	.28	.22	.20
504-GMA-15	B	15	125	.28	.22	.20

GMC Series Medium Time Delay Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-GMC-125MA	B	1/8	250	1.54	1.23	1.11
504-GMC-1/4	B	1/4	250	.88	.71	.64
504-GMC-1/2	B	1/2	250	.68	.55	.49
504-GMC-3/4	B	3/4	250	.68	.55	.49
504-GMC-8/10	B	8/10	250	.68	.55	.49
504-GMC-1	B	1	250	.68	.55	.49
504-GMC-2	B	2	250	.68	.55	.49
504-GMC-2-1/2	B	2 1/2	250	.68	.55	.49
504-GMC-3	B	3	250	.68	.55	.49
504-GMC-3.15	B	3-15/100	250	.68	.55	.49
504-GMC-3-1/2	B	3 1/2	125	.68	.55	.49
504-GMC-4	B	4	125	.68	.55	.49
504-GMC-5	B	5	125	.68	.55	.49
504-GMC-6	B	6	125	.68	.55	.49
504-GMC-7	B	7	125	.68	.55	.49
*504-GMC-8	B	8	125	.68	.55	.49
*504-GMC-10	B	10	125	.68	.55	.49

GMD Series Time Delay, Low Breaking Fuses

For quantities of 1000 and up, call for quote.

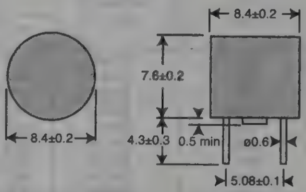
MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-GMD-125MA	B	0.125	250	1.93	1.55	1.39
504-GMD-150MA	B	0.15	250	1.93	1.55	1.39
504-GMD-200MA	B	0.2	250	.91	.73	.66
504-GMD-250MA	B	0.25	250	.91	.73	.66
504-GMD-300	B	0.3	250	.91	.73	.66
504-GMD-315MA	B	0.315	250	.91	.73	.66
504-GMD-400MA	B	0.4	250	.91	.73	.66
504-GMD-500MA	B	0.5	250	.70	.56	.51
504-GMD-600MA	B	0.6	250	.70	.56	.51
504-GMD-630MA	B	0.63	250	.70	.56	.51
504-GMD-750MA	B	0.75	250	.70	.56	.51
504-GMD-800MA	B	0.8	250	.70	.56	.51
504-GMD-1A	B	1	250	.70	.56	.51
504-GMD-1.2A	B	1.2	250	.70	.56	.51
504-GMD-1.25A	B	1.25	250	.70	.56	.51
504-GMD-1.5A	B	1.5	250	.70	.56	.51
504-GMD-1.6A	B	1.6	250	.70	.56	.51
504-GMD-2A	B	2	250	.70	.56	.51
504-GMD-2.5A	B	2.5	250	.70	.56	.51
504-GMD-3A	B	3	250	.70	.56	.51
504-GMD-4A	B	4	250	.70	.56	.51

COOPER BUSSMANN SUBMINIATURE SR-5 SERIES TIME LAG FUSES

Features:

- Radial Leaded Time Lag Thru-Hole Fuse
- Designed to IEC 60127-3, Sheet 4
- Internationally accepted for primary and secondary overcurrent protection
- Place directly into PCB or plug into BK/PCS holder
- High inrush withstand capability
- Compatible with leaded and lead-free reflow and wave solder
- Base/Cap is Nylon #66, UL 94V0
- Pins are Tin Plated Copper

RoHS Compliant



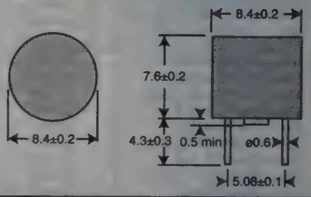
MOUSER STOCK NO.	Amp (A)	Volt (V)	Price Each				Reel Qty.	Price Each
			1	25	50	100		
504-SR-5-500MA-AP	0.5	250V	.73	.64	.58	.55	1000	.46
504-SR-5-630MA-AP	0.6	250V	.73	.64	.58	.55	1000	.46
504-SR-5-800MA-AP	0.8	250V	.73	.64	.58	.55	1000	.46
504-SR-5-1A-AP	1.0	250V	.73	.64	.58	.55	1000	.46
504-SR-5-1.25A-AP	1.3	250V	.73	.64	.58	.55	1000	.46
504-SR-5-1.6A-AP	1.6	250V	.73	.64	.58	.55	1000	.46
504-SR-5-2A-AP	2.0	250V	.73	.64	.58	.55	1000	.46
504-SR-5-2.5A-AP	2.5	250V	.73	.64	.58	.55	1000	.46
504-SR-5-3.15A-AP	3.2	250V	.73	.64	.58	.55	1000	.46
504-SR-5-4A-AP	4.0	250V	.73	.64	.58	.55	1000	.46
504-SR-5-5A-AP	5.0	250V	.73	.64	.58	.55	1000	.46

COOPER BUSSMANN SUBMINIATURE SR-5F SERIES FAST ACTING FUSES

Features:

- Radial Leaded Fast Acting Thru-Hole Fuse
- Designed to UL 248-14
- Accepted for primary and secondary overcurrent protection
- Place directly into PCB or plug into BK/PCS holder
- Compatible with leaded and lead-free reflow and wave solder
- Base/Cap is Nylon #66, UL 94V0
- Pins are Tin Plated Copper

RoHS Compliant



MOUSER STOCK NO.	Amp (A)	Volt (V)	Price Each				Reel Qty.	Price Each
			1	25	50	100		
504-SR-5-500MA-AP	0.5	250V	.73	.64	.58	.55	1000	.46
504-SR-5-630MA-AP	0.6	250V	.73	.64	.58	.55	1000	.46
504-SR-5-800MA-AP	0.8	250V	.73	.64	.58	.55	1000	.46
504-SR-5-1A-AP	1.0	250V	.73	.64	.58	.55	1000	.46
504-SR-5-1.25A-AP	1.3	250V	.73	.64	.58	.55	1000	.46
504-SR-5-1.6A-AP	1.6	250V	.73	.64	.58	.55	1000	.46
504-SR-5-2A-AP	2.0	250V	.73	.64	.58	.55	1000	.46
504-SR-5-2.5A-AP	2.5	250V	.73	.64	.58	.55	1000	.46
504-SR-5-3.15A-AP	3.2	250V	.73	.64	.58	.55	1000	.46
504-SR-5-4A-AP	4.0	250V	.73	.64	.58	.55	1000	.46
504-SR-5-5A-AP	5.0	250V	.73	.64	.58	.55	1000	.46

COOPER / BUSSMANN Fuses

COOPER Bussmann

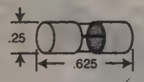
DIMENSIONS: in.

All are UL Approved except where noted by an asterisk.

* Not UL Approved or Recognized

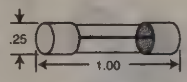
† Not UL Approved or Recognized

A



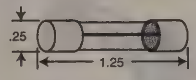
Glass Tube

B



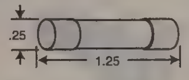
Glass Tube

C



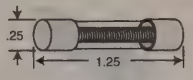
Glass Tube

D



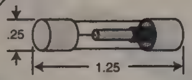
Ceramic Tube

E



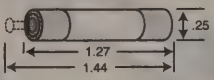
Glass Tube

F

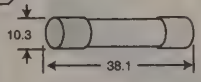


Glass Tube

G

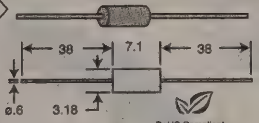


H



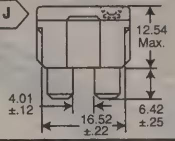
Melamim Tube

I



RoHS Compliant

J



1/4" X 5/8"FUSES

AGA Series Fast Acting Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-AGA-1/4	A	1/4	125	2.09	1.67	1.50
504-AGA-3/8	A	3/8	125	2.09	1.67	1.50
504-AGA1/2	A	1/2	125	2.09	1.67	1.50
504-AGA-3/4	A	3/4	125	2.09	1.67	1.50
504-AGA-1	A	1	125	1.40	1.12	1.01
504-AGA-1-1/2	A	1 1/2	125	1.40	1.12	1.01
504-AGA-2	A	2	125	1.40	1.12	1.01
504-AGA-2-1/2	A	2 1/2	125	1.40	1.12	1.01
504-AGA-3	A	3	125	1.40	1.12	1.01
504-AGA-5	A	5	125	1.07	.85	.77
504-AGA-6	A	6	32	1.07	.85	.77
504-AGA-7	A	7	32	1.07	.85	.77
504-AGA-7-1/2	A	7 1/2	32	1.07	.85	.77
504-AGA-10	A	10	32	1.07	.85	.77
504-AGA-15	A	15	32	1.07	.85	.77
504-AGA-20	A	20	32	1.07	.85	.77
504-AGA-25	A	25	32	1.07	.85	.77
504-AGA-30	A	30	32	1.07	.85	.77

1/4" X 1" FUSES

AGX Series Fast Acting Fuses

- For instruments, electronic and small appliance circuits

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-AGX-1/16	B	1/16	250	2.15	1.72	1.55
504-AGX-1/8	B	1/8	250	1.66	1.33	1.19
504-AGX-3/8	B	3/8	250	.98	.79	.71
504-AGX-1/4	B	1/4	250	.98	.79	.71
504-AGX-1/2	B	1/2	250	.82	.66	.59
504-AGX-1	B	1	250	.48	.38	.34
504-AGX1-1/2	B	1 1/2	250	.48	.38	.34
504-AGX-2	B	2	250	.48	.38	.34
504-AGX-3	B	3	125	.48	.38	.34
504-AGX-4	B	4	125	.35	.28	.25
504-AGX-5	B	5	125	.35	.28	.25
504-AGX10	B	10	32	.35	.28	.25
504-AGX-15	B	15	32	.33	.27	.24
504-AGX-20	B	20	32	.33	.27	.24

1/4" X 1-1/4" FUSES

AGC Series Fast Acting Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-AGC-1/16	C	1/16	250	2.27	1.81	1.63
504-AGC-1/8	C	1/8	250	1.17	.93	.84
504-AGC-3/10	C	3/10	250	1.08	.86	.78
504-AGC-1/4	C	1/4	250	1.08	.86	.78
504-AGC-3/8	C	3/8	250	1.08	.86	.78
504-AGC-1/2	C	1/2	250	.48	.39	.35
504-AGC-3/4	C	3/4	250	.50	.40	.36
504-AGC-8/10	C	8/10	250	.50	.40	.36
504-AGC-1	C	1	250	.30	.24	.22
504-AGC-1-1/4	C	1 1/4	250	.31	.25	.23
504-AGC-1-1/2	C	1 1/2	250	.30	.24	.22
504-AGC-2	C	2	250	.30	.24	.22
504-AGC-V-2	C	2	250	.57	.46	.41
504-AGC-2-1/2	C	2 1/2	250	.31	.25	.23
504-AGC-3/16	C	2-1/4	250	1.75	1.40	1.26
504-AGC-3	C	3	250	.30	.24	.22
504-AGC-3-1/2	C	3-1/2	250	.31	.25	.23
504-AGC-4	C	4	250	.47	.38	.34
504-AGC-5	C	5	250	.47	.38	.34
504-AGC-6	C	6	250	.49	.39	.35
504-AGC-7	C	7	250	.49	.39	.35
504-AGC-7-1/2	C	7 1/2	250	.58	.46	.41
504-AGC-8	C	8	250	.58	.46	.41
504-AGC-10	C	10	250	.56	.44	.40
*504-AGC-15	C	15	32	.35	.28	.25
*504-AGC-20	C	20	32	.35	.28	.25
*504-AGC-25	C	25	32	.35	.28	.25
*504-AGC-30	C	30	32	.35	.28	.25
†504-AGC-35	C	35	32	.36	.29	.26

1/4" X 1-1/4" FUSES (CONT.)

ABC Series Fast Acting Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-ABC-2	D	2	250	.83	.67	.60
504-ABC-3	D	3	250	.83	.67	.60
504-ABC-5	D	5	250	.79	.63	.57
504-ABC-6	D	6	250	.79	.63	.57
504-ABC-8	D	8	250	.79	.63	.57
504-ABC-10	D	10	250	.79	.63	.57
504-ABC-12	D	12	250	.79	.63	.57
504-ABC-15	D	15	250	.79	.63	.57
*504-ABC-20	D	20	250	1.15	.92	.83
*504-ABC-25	D	25	125	1.15	.92	.83
†504-ABC-30	D	30	125	1.15	.92	.83

MDL Series Time Delay Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
†504-MDL-1/16	E	1/16	250	2.26	1.81	1.63
†504-MDL-1/10	E	1/10	250	1.81	1.45	1.30
504-MDL-3/16	E	3/16	250	1.81	1.45	1.30
504-MDL-15/100	E	15/100	250	1.81	1.45	1.30
504-MDL-1/8	E	1/8	250	1.81	1.45	1.30
504-MDL-2/10	E	2/10	250	1.81	1.45	1.30
504-MDL-1/4	E	1/4	250	1.09	.87	.78
504-MDL-3/10	E	3/10	250	1.09	.87	.78
504-MDL-4/10	E	4/10	250	1.09	.87	.78
504-MDL-3/8	E	3/8	250	1.09	.87	.78
504-MDL-8/10	E	8/10	250	1.04	.83	.75
504-MDL-1/2	E	1/2	250	1.04	.83	.75
504-MDL-6/10	E	6/10	250	1.04	.83	.75
504-MDL-3/4	E	3/4	250	1.04	.83	.75
504-MDL-1	E	1	250	1.13	.90	.81
504-MDL-1-2/10	E	1 2/10	250	.79	.63	.57
504-MDL-1-1/4	E	1 1/4	250	.79	.63	.57
504-MDL-1-1/2	E	1 1/2	250	.79	.63	.57
504-MDL-1-6/10	E	1 6/10	250	.79	.63	.57
504-MDL-1-8/10	E	1 8/10	250	.79	.63	.57
504-MDL-2	E	2	250	.77	.62	.55
504-MDL-2-1/4	E	2 1/4	250	.79	.63	.57
504-MDL-2-1/2	E	2 1/2	250	.79	.63	.57
504-MDL-3	E	3	250	.79	.63	.57
504-MDL-3-2/10	E	3 2/10	250	.79	.63	.57
504-MDL-3-1/2	E	3 1/2	250	.79	.63	.57
504-MDL-4	E	4	250	.79	.63	.57
504-MDL-5	E	5	250	.79	.63	.57
504-MDL-6	E	6	250	.79	.63	.57
504-MDL-6-1/4	E	6 1/4	250	.79	.63	.57
504-MDL-7	E	7	250	.79	.63	.57
504-MDL-8	E	8	250	.79	.63	.57
*504-MDL-10	E	10	32	1.17	.93	.84
504-MDL-12A	E	12	32	1.15	.92	.82
*504-MDL-15	E	15	32	1.17	.93	.84
*504-MDL-20	E	20	32	1.17	.93	.84
*504-MDL-25	E	25	32	1.17	.93	.84
*504-MDL-30	E	30	32	1.17	.93	.84

MDQ SERIES Dual Element Time Delay Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-MDQ-2	F	2	250	3.33	2.66	2.39
504-MDQ-3	F	3	250	3.33	2.66	2.39
504-MDQ-4	F	4	250	3.33	2.66	2.39
504-MDQ-5	F	5	250	3.33	2.66	2.39
504-MDQ-6	F	6	250	3.33	2.66	2.39

1/4" X 1-1/4" FUSES (CONT.)

MDA Series Time Delay Fuses

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Price Each		
				1	25	50
504-MDA-1	D	1	250	1.95	1.56	1.40
504-MDA-2	D	2	250	1.95	1.56	1.40
504-MDA-2-1/2	D	2 1/2	250	1.36	1.09	.98
504-MDA-3	D	3	250	1.36	1.09	.98
504-MDA-4	D	4	250	1.36	1.09	.98
504-MDA-5	D	5	250	1.36	1.09	.98
504-MDA-6-1/4	D	6 1/4	250	1.36	1.09	.98
504-MDA-7	D	7	250	1.36	1.09	.98
504-MDA-8	D	8	250	1.36	1.09	.98
504-MDA-10	D	10	250	1.36	1.09	.98
504-MDA-12	D	12	250	1.36	1.09	.98
†504-MDA-15	D	15	250	1.36	1.09	.98
†504-MDA-20	D	20	250	1.36	1.09	.98
†504-MDA-30	D	30	250	1.36	1.09	.98

GLD Series Fast Acting, Pin-Indicating/ Non Timing Delay Fuse

504-GLD-1/2A	G	1/2	125	7.90	6.32	5.69
504-GLD-1	G	1	125	5.03	4.02	3.62
504-GLD-1-1/2	G	1 1/2	125	5.03	4.02	3.62
504-GLD-2	G	2	125	5.03	4.02	3.62
504-GLD-3	G	3	125	5.03	4.02	3.62
504-GLD-4	G	4	125	5.03	4.02	3.62
504-GLD-5	G	5	125	5.03	4.02	3.62
504-GLD-10	G	10	125	6.60	5.28	4.75
504-GLD-12.0	G	12	125	6.30	5.99	5.67
504-GLD-15	G	15	125	9.18	7.34	6.61

13/32" X 1 1/2" FUSES

KTK Series Limitron® Fast-Acting Power Fuses

504-KTK-1/2	H	1/2	600	19.08	15.26	13.73
504-KTK-1	H	1	600	14.74	13.39	12.53
504-KTK-3	H	3	600	17.75	14.20	12.78
504-KTK-5	H	5	600	17.75	14.20	12.78
504-KTK-10	H	10	600	17.75	14.20	12.78
504-KTK-12	H	12	600	20.83	16.66	14.99
504-KTK-15	H	15	600	17.75	14.20	12.78
504-KTK-20	H	20	600	17.83	14.26	12.83
504-KTK-25	H	25	600	17.83	14.26	12.83
504-KTK-30	H	30	600	17.83	14.26	12.83

MCRW SERIES FUSES

Fast Acting Axial Lead Fuses

- Subminiature size
- Automatic insertion
- Hermetically sealed

RoHS Compliant

*504-MCRW-125MA	I	1/8	125	.59	.47	.42
*504-MCRW-250MA	I	1/4	125	.59	.47	.42
*504-MCRW-500MA	I	1/2	125	.59	.47	.42
*504-MCRW-1A	I	1	125	.59	.47	.42
*504-MCRW-1-1/2A	I	1 1/2	125	.59	.47	.42
*504-MCRW-2A	I	2	125	.59	.47	.42
*504-MCRW-3A	I	3	125	.59	.47	.42
*504-MCRW-4A	I	4	125	.59	.47	.42
*504-MCRW-5A	I	5	125	.59	.47	.42
*504-MCRW-10A	I	10	125	.59	.47	.42

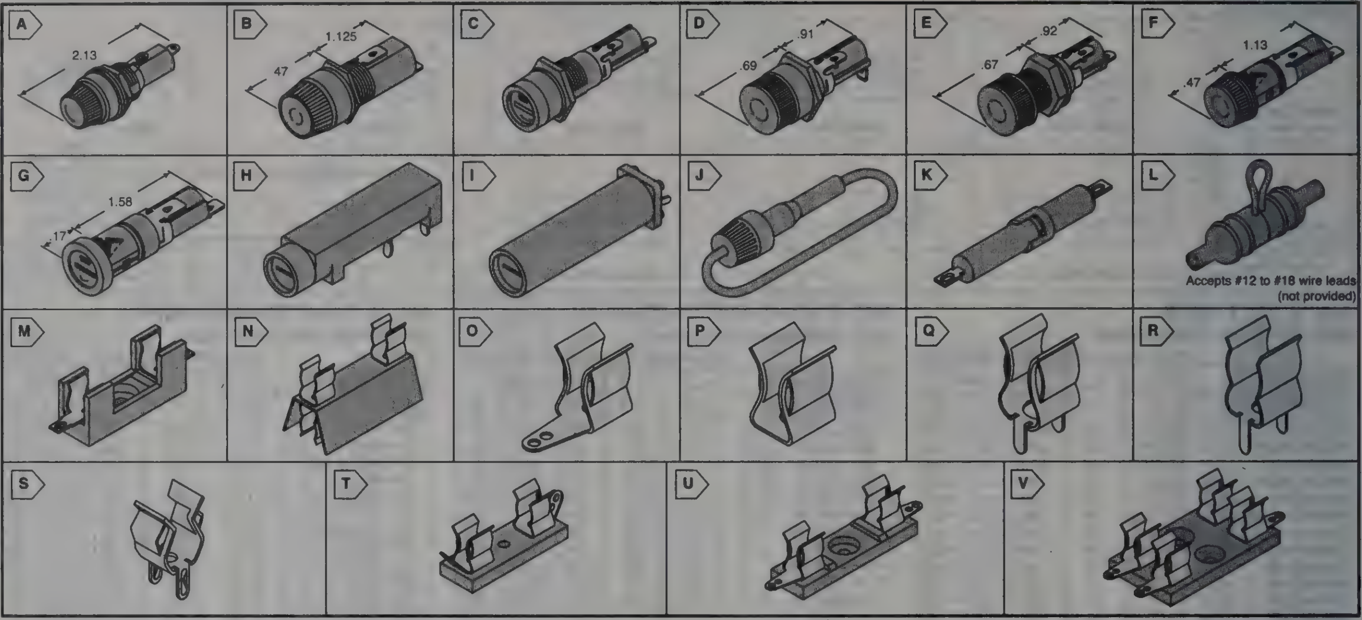
ATC SERIES FUSES

Blade Type, Fast Acting Fuses

MOUSER STOCK NO.	Fig.	Amp (A)	Volt (V)	Color	Price Each		
					1	25	50
504-ATC-1	J	1	32	Black	1.20	.96	.87
504-ATC-2	J	2	32	Gray	1.11	.89	.80
504-ATC-3	J	3	32	Violet	.88	.70	.63
504-ATC-4	J	4	32	Pink	.88	.70	.63
504-ATC-5	J	5	32	Tan	.88	.70	.63
504-ATC-7-1/2	J	7.5	32	Brown	.88	.70	.63
504-ATC-10	J	10	32	Red	.88	.70	.63
504-ATC-15	J	15	32	Blue	.88	.70	.63
504-ATC-20	J	20	32	Yellow	.87	.82	.78
504-ATC-25	J	25	32	Clear	.88	.70	.63
504-ATC-30	J	30	32	Green	.88	.70	.63
504-ATC-35	J	35	32	Blade	.88	.70	.63
504-ATC-40	J	40	32	Amber	.88	.70	.63

COOPER / BUSSMANN Fuse Holders, Fuse Clips, and Fuse Blocks

DIMENSIONS: In.



COOPER Bussmann STANDARD PANEL MOUNT FUSE HOLDERS

E14853 47235

Solder Terminals

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Profile	Current Rating	Fuse Size (In)	Price Each			
						1	25	50	100
504-HJM	A	Front/Hex Nut	Low	5A @ 125V	1/4 X 1	5.25	4.20	3.78	3.57
504-HKP	A	Front/Hex Nut	Low	30A @ 250V	1/4 X 1-1/4	2.60	2.08	1.87	1.77

COOPER Bussmann PANEL MOUNT FUSE HOLDERS

- Flammability rating: UL 94V-0
- Terminal: 3/16" solder/quick connect
- Terminal 1/4" quick connect
- Temperature range: -55°C to 85°C

E14853 47235

Standard (for 1/4" x 1 1/4" Fuses)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Profile	Current Rating	Rear Terminal	Price Each			
						1	25	50	100
504-HTB-22I	B	Rear Hex Nut	Low	15A @ 250V	3/16" Straight	2.35	1.88	1.69	1.59
504-HTB-24I	B	Rear Hex Nut	Low	15A @ 250V	3/16" Rt.Angle	2.35	1.88	1.59	1.59
504-HTB-26I	B	Rear Hex Nut	Low	20A @ 250V	1/4" Straight	2.50	2.00	1.80	1.70
504-HTB-28I	B	Rear Hex Nut	Low	20A @ 250V	1/4" Rt.Angle	2.50	2.00	1.80	1.70
504-HTB-32I	C	Rear Hex Nut	Low	15A @ 250V	3/16" Straight	2.35	1.88	1.69	1.59
504-HTB-34I	C	Rear Hex Nut	Low	15A @ 250V	3/16" Rt.Angle	2.35	1.88	1.69	1.59
504-HTB-36I	C	Rear Hex Nut	Low	20A @ 250V	1/4" Straight	2.50	2.00	1.80	1.70
504-HTB-42I	D	Rear Hex Nut	High	15A @ 250V	3/16" Straight	2.60	2.08	1.87	1.77
504-HTB-44I	D	Rear Hex Nut	High	15A @ 250V	3/16" Rt.Angle	2.75	2.20	1.98	1.87
504-HTB-46I	D	Rear Hex Nut	High	20A @ 250V	1/4" Straight	2.93	2.34	2.11	1.99
504-HTB-48I	D	Rear Hex Nut	High	20A @ 250V	1/4" Rt.Angle	2.93	2.34	2.11	1.99
504-HTB-54I	C	Rear Hex Nut	High	15A @ 250V	3/16" Rt.Angle	2.35	1.88	1.69	1.59
504-HTB-56I	C	Rear Hex Nut	High	20A @ 250V	1/4" Straight	2.50	2.00	1.80	1.70
504-HTB-58I	C	Rear Hex Nut	High	20A @ 250V	1/4" Rt.Angle	4.72	4.48	4.25	4.01
504-HTB-62I	E	Front Hex Nut	High	15A @ 250V	3/16" Straight	2.50	2.00	1.80	1.70
504-HTB-64I	E	Front Hex Nut	High	15A @ 250V	3/16" Rt.Angle	2.50	2.00	1.80	1.70
504-HTB-66I	E	Front Hex Nut	High	20A @ 250V	1/4" Straight	2.68	2.14	1.93	1.82
504-HTB-82I	F	Front Snap-In	Low	15A @ 250V	3/16" Straight	2.50	2.00	1.80	1.70
504-HTB-86I	F	Front Snap-In	Low	20A @ 250V	1/4" Straight	2.73	2.18	1.96	1.85
504-HTB-88I	F	Front Snap-In	Low	20A @ 250V	1/4" Rt.Angle	2.73	2.18	1.96	1.85
504-HTB-92I	G	Front Snap-In	Low	15A @ 250V	3/16" Straight	2.50	2.00	1.80	1.70
504-HTB-98I	G	Front Snap-In	Low	20A @ 250V	1/4" Rt.Angle	3.38	2.70	2.43	2.30

Miniature (for 5mm x 20mm Fuses)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mounting Position/Type	Profile	Current Rating	Rear Terminal	Price Each			
						1	25	50	100
504-HTB-22M	D	Rear Hex Nut	High	16A @ 250V	3/16" Straight	2.50	2.00	1.80	1.70
504-HTB-26M	B	Rear Hex Nut	Low	16A @ 250V	1/4" Straight	2.83	2.26	2.03	1.92
504-HTB-28M	B	Rear Hex Nut	Low	16A @ 250V	1/4" Rt.Angle	2.83	2.26	2.03	1.92
504-HTB-32M	C	Rear Hex Nut	Low	15A @ 250V	3/16" Straight	2.50	2.00	1.80	1.70
504-HTB-36M	C	Rear Hex Nut	Low	16A @ 250V	1/4" Straight	2.83	2.26	2.03	1.92
504-HTB-38M	C	Rear Hex Nut	Low	16A @ 250V	1/4" Rt.Angle	2.83	2.26	2.03	1.92
504-HTB-42M	D	Rear Hex Nut	High	15A @ 250V	3/16" Straight	2.46	1.96	1.77	1.67
504-HTB-46M	D	Rear Hex Nut	High	16A @ 250V	1/4" Straight	3.18	2.54	2.29	2.16
504-HTB-56M	C	Rear Hex Nut	High	16A @ 250V	1/4" Straight	2.83	2.26	2.03	1.92
504-HTB-62M	E	Front Hex Nut	High	15A @ 250V	3/16" Straight	2.50	2.00	1.80	1.70
504-HTB-82M	F	Front Snap-In	Low	15A @ 250V	3/16" Straight	2.50	2.00	1.80	1.70
504-HTB-92M	G	Front Snap-In	Low	15A @ 250V	3/16" Straight	2.50	2.00	1.80	1.70

COOPER Bussmann FUSE HOLDERS AND CLIPS

E14853

PCB Fuse Holders

- "Kicked" terminals for optimum wave soldering
- Anti-wicking terminals

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Current Rating	Price Each			
				1	25	50	100
504-HBH-I	H	1/4" x 1-1/4"	12A @ 250V	2.65	2.12	1.91	1.80
504-HBV-I	I	1/4" x 1-1/4"	12A @ 250V	4.18	3.34	3.01	2.84
504-HBH-M	H	5mm x 20mm	12A @ 250V	3.45	2.76	2.48	2.35
504-HBV-M	I	5mm x 20mm	12A @ 250V	4.28	3.42	3.08	2.91

In-Line Fuse Holders

✱Leads not supplied

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Lead Lth. (In.)	Price Each			
				1	25	50	100
504-HRK	J	Accepts all 1/4" fuses,	8	2.93	2.34	2.11	1.99
504-HMJ	J	5/8" through 1 1/4" long	8	2.93	2.34	2.11	1.99
504-HFA	K	Waterproof 1/4x1-1/4"	- - -	14.78	11.82	10.64	10.05
504-HFB	L	1/4 X 1 1/4" waterproof	- - -	5.05	4.04	3.64	3.43

Fuse Blocks

- 1/4" x 1 1/4" fuse size
- Spring-bronze clips
- Anti-pivot barrier
- Totally sealed base

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	25	50	100
504-S-8001-1	M	Solder terminal	.93	.75	.67	.63
504-S8002-12	M	For 1/4 x 1-1/4"	10.15	8.12	7.31	6.90
504-S-8101-1	M	3/16" quick connect	.97	.78	.70	.66
504-S82022	M	For 1/4 x 1-1/4"	1.96	1.57	1.41	1.33

COOPER Bussmann FUSE CLIPS AND BLOCKS

E14853A

Twin Clips

Makes it unnecessary to replace blown pigtail fuse by cutting or soldering.
Twin-clips snap on the blown fuse.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Price Each			
			1	25	50	100
504-3434	N	5/8" to 1 1/4" long; insulated	3.81	3.63	3.46	3.29

Fuse Clips

- Made of spring bronze

For quantities of 250 and up, call for quote.

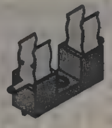
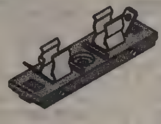
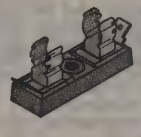
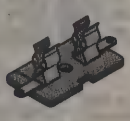
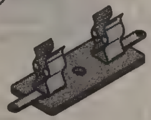
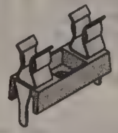
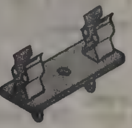
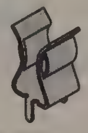
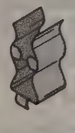
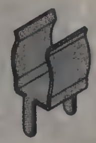
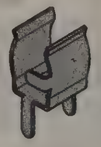
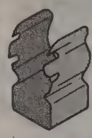
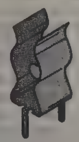
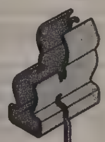
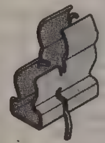
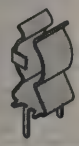
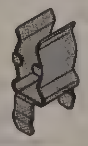
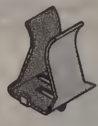
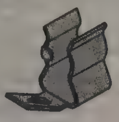
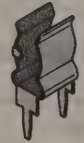
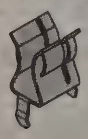
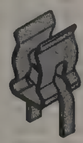
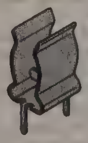
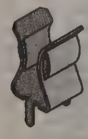
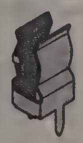
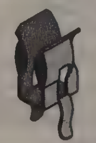
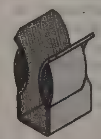
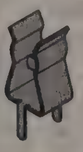
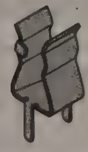
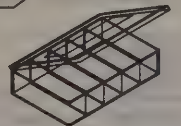
MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	25	50	100
504-5678-14	O	1/4" solder terminal	.17	.14	.12	.12
504-5682-41	P	1/4" screw mount	.13	.10	.09	.09
504-1A1119-10	Q	1/4" PC mount with stop	.23	.18	.16	.15
504-1A1120-10	R	1/4" PC mount	.23	.18	.16	.15
504-1A1907-06	Q	For 1/4" Diameter	.14	.11	.10	.10
504-1A3399-10	S	5mm PC mount with stop	.16	.13	.12	.11
504-1A3400-09	Q	For 13/32" Diameter	.46	.36	.33	.31

- Molded bakelite base
- Silver plated clips
- Beryllium copper solder terminal

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Current Rating	Price Each			
				1	25	50	100
504-3828-1	T	1" fuse size	30A @ 250	3.13	2.51	2.26	2.13
504-4405	U	1 1/4" fuse size	30A @ 250	5.55	4.44	4.00	3.77
504-4408	V	1 1/4" fuse size	30A @ 250	12.28	9.82	8.84	8.35

EAGLE PLASTIC DEVICES Fuse Blocks and Fuse Clips

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC

DD


EAGLE PLASTIC DEVICES FUSE BLOCKS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Contact Plating	Price Each			
				1	100	500	1000
441-4454	A	5mm X 20mm Fuses	Nickel	.93	.71	.65	.59
441-R345A-GR	B	8A 125/250V 5mm X 20mm Fuses	Nickel	.93	.71	.65	.59
441-R345B-GR	C	10A @ 250VAC 1/4" x 1 1/4"	Nickel	.93	.71	.65	.59
441-EPD201NI	C	30A @ 250VAC 1/4" x 1 1/4"	- - -	1.25	.94	.72	.63
441-EPD200H	D	6.3A @ 250VAC 5mm X 20mm Fuses	- - -	.49	.42	.36	.29
441-EPD201H	E	10A @ 250VAC 1/4" x 1 1/4"	- - -	.49	.42	.36	.29
441-EPD2005	F	6.3A @ 250VAC 5mm X 20mm Fuses	- - -	.35	.27	.24	.21
441-EPD201V	G	10A @ 250VAC 1/4" x 1 1/4"	- - -	.49	.42	.36	.29

EAGLE PLASTIC DEVICES PC MOUNT FUSE CLIPS

1/4" PC Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Contact Plating	Price Each			
				1	100	500	1000
44FH053	H	1/4", 15A, Ear Type	Nickel	.21	.18	.16	.14
441-EPD205B	I	1/4", 15A, Ear Type	Tin	.18	.15	.14	.13
441-EPD205D	J	1/4", 15A, Ear Type	Tin	.14	.12	.09	.08
441-EPD205DHN	K	1/4", 15A, Ear Type	Tin	.18	.15	.14	.13
441-EPD205E	L	1/4", 15A, Ear Type	Tin	.18	.15	.14	.13
441-EPD205SPPN	M	1/4", 15A, Ear Type	Tin	.18	.15	.14	.13
441-EPD218A	N	1/4 or 5mm, 10A	Tin	.18	.15	.14	.13
441-EPD218R	O	1/4 or 5mm, 10A	Tin	.18	.15	.14	.13

5mm PC Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Contact Plating	Price Each			
				1	100	500	1000
44FH052	P	5mm	Silver	.11	.08	.07	.06
441-EPD203B	Q	5mm, 10A, Ear Type	Tin	.19	.16	.14	.12
441-EPD203D	R	5mm, 6.3A	Tin	.19	.16	.14	.12
441-EPD203E	S	5mm, 15A, Ear type	Tin	.22	.18	.16	.15
441-EPD203H	T	5mm, 6.3A	Tin	.19	.16	.14	.12
441-EPD203K	U	5mm, 10A	Tin	.18	.15	.14	.13
441-EPD203LR	V	5mm, 10A, Ear Type	Tin	.13	.11	.09	.07
441-EPD203P	W	5mm, 10A, Ear Type	Tin	.13	.11	.09	.07
441-EPD203S	X	5mm, 10A, Ear Type	Tin	.14	.12	.09	.08
441-EPD203SF	X	5mm, 10A, Ear Type	Tin	.13	.11	.09	.07
441-EPD203SP	W	5mm, 10A, Ear Type	Tin	.13	.11	.09	.07
441-EPD203T	Y	5mm, 10A, Ear Type	Tin	.13	.11	.09	.07
441-EPD450	Z	4.5 or 5mm, 10A	Tin	.13	.11	.09	.07
441-EPD450D	AA	4.5 or 5mm, 10A	Tin	.13	.11	.09	.07

3.6mm PC Mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Fuse Size	Contact Plating	Price Each			
				1	100	500	1000
441-EPD301A	BB	3.6mm, 6.3A, Ear	Tin	.13	.11	.09	.07
441-EPD301B	CC	3.6mm, 6.3A, Ear	Tin	.13	.11	.09	.07

EAGLE PLASTIC DEVICES KITS

441-EPDKIT09

• 1/4" PCB Mnt fuse clip	240 PCS
• 5mm PCB Mnt fuse clip	360 PCS
• 4.5/5mm fuse clip	100 PCS
• ATQ type blade fuse clip T/R	100 PCS
• 5mm PCB Mnt fuse clip T/R	30 PCS
• 3.6mm PCB Mnt fuse clip	100 PCS
• AST Mini blade fuse clip	100 PCS
• Multi clip 5mm/6.3mm	20 PCS

441-EPDKIT10

• 5 x 20mm fuse block	60 PCS
• fuse block covers	60 PCS

441-EPDKIT11

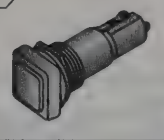
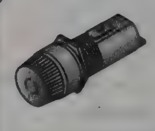
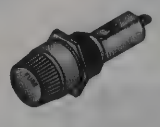
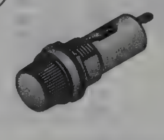
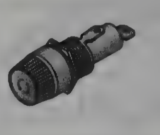
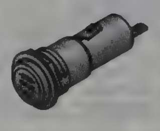
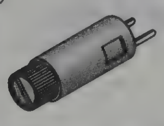
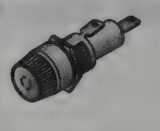
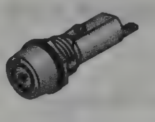
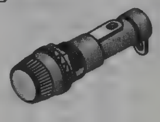
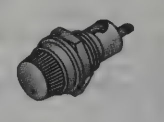
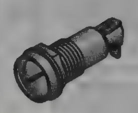
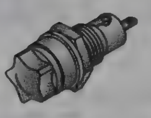
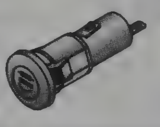
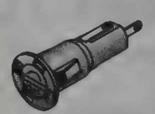
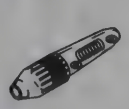
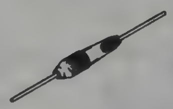
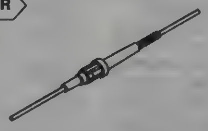
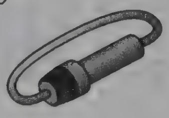
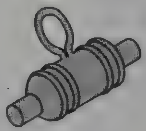
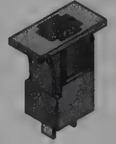
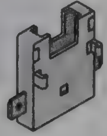
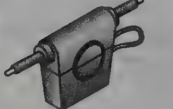
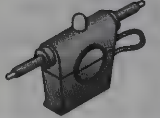
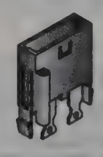
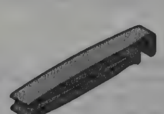
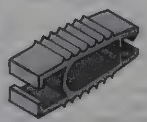
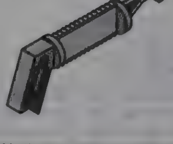
• 5 x 20mm fuse block	60 PCS
• Blade fuse block	60 PCS
• fuse block covers	35 PCS

* 6 Types of Each in Kit

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Descriptions	Price Each			
			1	5	10	20
*441-EPDKIT09	DD	5X20mm, 6X32mm, PC Mnt Special	87.79	79.81	72.55	65.96
441-EPDKIT10	DD	5X20mm, PC Mnt Types, Fuse Blk Covers	23.74	21.58	17.98	14.98
441-EPDKIT11	DD	5X20mm, Blade Type, Fuse Block Covers	47.57	43.25	39.31	35.74

EAGLE PLASTIC DEVICES Panel Mount & In-line Fuse Holders

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB


EAGLE PLASTIC DEVICES PANEL MOUNT FUSE HOLDERS

Standard (for 1/4" x 1 1/4" Fuses)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cap Color	Rating	Price Each			
				1	100	500	1000
441-R321AB-GRX	A	Black	5A @ 250VAC	1.42	1.17	1.04	.95
441-R321AR-GRX	A	Red	5A @ 250VAC	1.42	1.17	1.04	.95
441-R321AW-GRX	A	White	5A @ 250VAC	1.42	1.17	1.04	.95
44FH030	B	Black	15A @ 250VAC	2.06	1.72	1.56	1.42
441-FH001	C	Black	15A @ 250VAC	2.12	1.77	1.61	1.47
441-R3-13-GRX	D	Black	10A @ 250VAC	1.49	1.22	1.09	.99
441-R314A-GRX	E	Black	10A @ 250VAC	1.40	1.23	1.13	1.04
441-R344A-GR	F	Black	15A @ 250VAC	1.30	1.08	.98	.89

Midget

For quantities of 2000 and up, call for quote.

RoHS Compliant

MOUSER STOCK NO.	Fig.	Cap Color	Rating	Price Each			
				1	100	500	1000
441-R324-GR	G	Black	10A @ 125V	1.12	1.02	.91	.84

Quick-Connect (for 1/4" x 1 1/4" Fuses)

- .250" faston terminal

For quantities of 2000 and up, call for quote.

RoHS Compliant

MOUSER STOCK NO.	Fig.	Cap Color	Rating	Price Each			
				1	100	500	1000
441-R314C-GRX	H	Black	10A @ 250VAC	1.46	1.38	1.27	1.14
441-R353-GRX	I	Black	15A @ 250VAC	1.73	1.44	1.31	1.19
441-R328-GRX	J	Red	15A @ 250VAC	1.44	1.19	1.09	.99

Miniature (for 5mm x 20mm Fuses)

- .187" faston terminal

For quantities of 2000 and up, call for quote.

RoHS Compliant

MOUSER STOCK NO.	Fig.	Cap Color	Rating	Price Each			
				1	100	500	1000
441-R3-12-GRX	K	Black	10A @ 250VAC	1.69	1.43	1.29	1.23
441-0201-GR	L	Black	10A @ 250VAC	2.00	1.67	1.51	1.38
441-R344B-GR	F	Black	15A @ 250VAC	1.30	1.08	.98	.89
441-R311-GRX	L	Black	10A @ 250VAC	1.48	1.23	1.12	1.02
441-R26-GRX	M	Black	3A @ 250VAC	2.18	1.67	1.29	.68

Snap-In Mounting (for 1/4" x 1 1/4" and 5mm x 20mm Fuses)

For quantities of 2000 and up, call for quote.

RoHS Compliant

MOUSER STOCK NO.	Fig.	Cap Color	Rating	Price Each			
				1	100	500	1000
441-R349A-GR	N	Black	10A @ 250VAC	1.30	1.08	.98	.89
441-R354-GR	O	Black	6.3A @ 250VAC	1.30	1.08	.98	.89

EAGLE PLASTIC DEVICES IN-LINE FUSE HOLDERS

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Lead Length (In.)	Price Each			
				1	100	500	1000
44FH299	P	1/4"x1 1/14" Clear without leads	---------	1.66	1.43	1.25	1.11
44FH019	Q	1/4"x1 1/14" Clear	18	4.41	3.68	3.36	3.05
44FH497	R	1/4"x1", 1/4" x1 1/4", or 5 x 20mm	18	1.46	1.22	1.11	1.02
44FH498	R	1/4"x1", 1/4" x1 1/4", or 5 x 20mm	18	1.46	1.22	1.11	1.02
441-R332A-GR	S	5 x 20mm black with red leads	7.9	1.23	1.12	.99	.92
441-R332B-GR	S	1/4" x 1 1/4" black with red lead	7.9	1.23	1.12	.99	.92
441-EPD209F2	T	10A In-line 12-18AWG	---------	1.21	1.09	.99	.95
441-EPD211P	U	ATQ Type Blade, 30A, Snap-in Type	---------	2.89	2.09	1.80	1.61
441-EPD211TN	V	ATQ Type Blade, 30A, Interlock Type	---------	1.27	1.14	1.05	.94
441-R347A-GR	W	30A 32VDC In-line 12AWG	---------	1.48	1.23	1.12	1.02
441-R347B-GR	W	20A 32VDC In-line 14AWG	---------	1.48	1.23	1.12	1.02
441-R347C-GR	W	15A 32VDC In-line 16AWG	---------	1.48	1.23	1.12	1.02
441-R347D-GR	W	10A 32VDC In-line 18AWG	---------	1.48	1.23	1.12	1.02
441-R359A-GR	X	30A 24VDC In-line 12AWG W/LED	---------	1.85	1.54	1.39	1.28
441-R359B-GR	X	20A 24VDC In-line 14AWG W/LED	--------	1.85	1.54	1.39	1.28
441-R359C-GR	X	15A 24VDC In-line 16AWG W/LED	---------	1.85	1.54	1.39	1.28
441-R359D-GR	X	10A 24VDC In-line 18AWG W/LED	---------	1.85	1.54	1.39	1.28
441-R352-GR	Y	20A 24VDC PC mount	---------	.93	.71	.65	.59

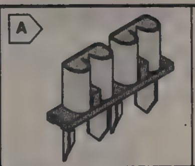
EAGLE PLASTIC DEVICES FUSE PULLER TOOLS

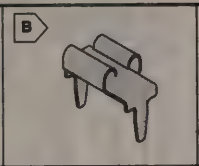
For quantities of 2000 and up, call for quote.

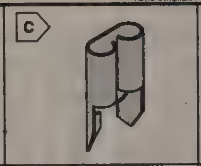
MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	100	500	1000
441-EPD213	Z	Dual Fuse Puller	.48	.39	.35	.31
441-EPD223	AA	Dual Fuse Puller	.59	.49	.46	.43
441-EPD224	BB	Dual Fuse Puller	.54	.44	.41	.37

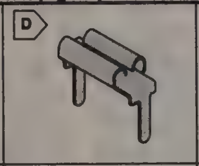
KEYSTONE Fuse Holders, Fuse Clips, and Blocks

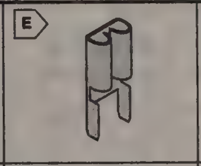
RoHS Compliant **This page of product is compliant.**

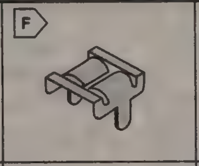

A

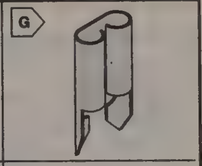

B

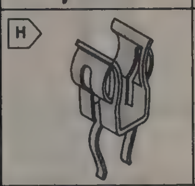

C

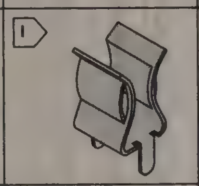

D

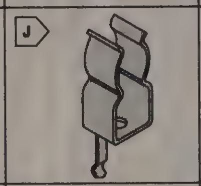

E

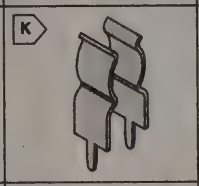

F

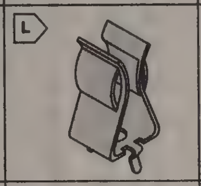

G

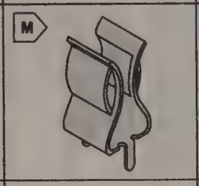

H

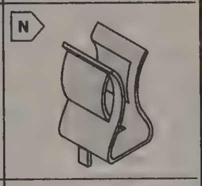

I

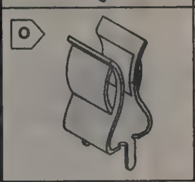

J

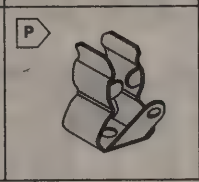

K

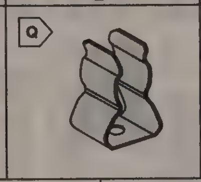

L

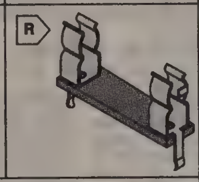

M

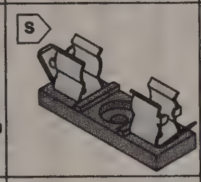

N

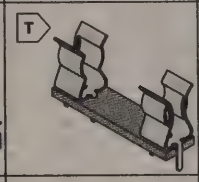

O

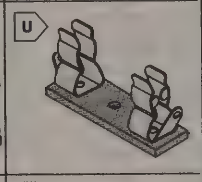

P

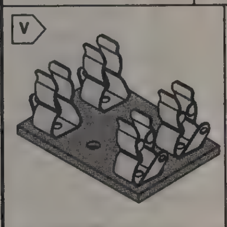

Q

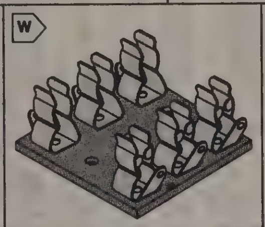

R

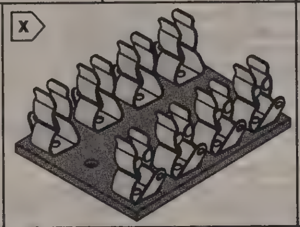

S

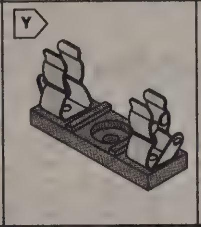

T

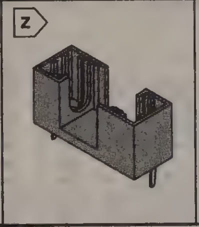

U

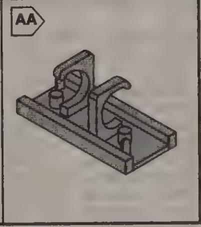

V


W


X


Y


Z


AA

KEYSTONE FUSE HOLDERS AND CLIPS

PC Fuse Holders and Clips

- Auto blade holders and clips are compatible with Littelfuse .205" x .025" standard and .110" x .032" mini blade fuses, suitable for 15 amp applications .312" x .032" maxi blade fuses, suitable for 30 amp applications
- Thru hole PC mountable

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Mount Type	Fuse Size	Description	Price Each				
						1	100	500	1000	2000
534-3522-2	3522-2	A	Vertical	.205" x .025"	Standard blade fuse holder	.72	.36	.33	.27	.26
534-3550	3550	B	Horizontal	.205" x .025"	Standard blade horiz. clip	.52	.26	.24	.13	.11
534-3546	3546	B	Horizontal	.205" x .020"	Standard blade horiz. clip	.52	.26	.24	.13	.11
534-3522	3522	C	Vertical	.205" x .025"	Standard blade vertical clip	.18	.09	.08	.06	.05
534-3544-2	3544-2	A	Vertical	.110" x .032"	Mini blade fuse holder	.76	.38	.35	.29	.27
534-3549	3549	D	Horizontal	.110" x .032"	Mini blade horizontal clip	.50	.25	.23	.13	.11
534-3545	3545	D	Horizontal	.110" x .020"	Mini blade horizontal clip	.51	.26	.24	.18	.14
534-3544	3544	E	Vertical	.110" x .032"	Mini blade vertical clip	.18	.09	.08	.06	.05
534-3547	3547	B	Horizontal	.250" x .032"	Standard blade horiz. clip	.60	.32	.26	.18	.18
534-3564	3564	F	Vertical	.110" x .032"	Mini blade vertical clip	.18	.09	.08	.06	.05
534-3534	3534	E	Vertical	.110" x .020"	Mini blade vertical clip	.19	.10	.08	.07	.05
534-3555	3555	G	Vertical	.312" x .032"	Maxi blade vertical clip	.20	.10	.08	.07	.06

PC Fuse Clips

- Snap-fit and press fit designs for wave soldering
- Economical and easy to assemble
- Rivet mount design
- Low profile space saving design
- Low contact resistance
- Rivet mount design with solder lugs

RoHS Compliant

For quantities of 5000 and up, call for quote.

534-3521	3521	H	Press	5mm	.016" Tinned brass	.14	.07	.06	.05	.04
534-3517	3517	I	Press	5mm	.02" Tinned brass	.12	.07	.06	.05	.04
534-3520	3520	J	Rivet	5mm	.016" Tinned brass	.12	.08	.07	.06	.05
534-3519	3519	K	Press	5mm	.016" Tinned brass	.12	.07	.06	.05	.04
534-3513	3513	L	Snap-In	1/4"	.02" Tinned brass	.21	.12	.10	.09	.08
534-3529	3529	M	Press	1/4"	.02" Tinned brass	.12	.07	.06	.05	.04
534-3530	3530	N	Press	1/4"	.02" Tinned brass	.25	.12	.10	.08	.07
534-3515	3515	O	Snap-In	1/4"	.02" Tinned brass	.16	.10	.09	.07	.06
534-3535	3535	P	Rivet	1/4"	.02" Tinned brass	.27	.14	.12	.08	.07
534-3531	3531	Q	Rivet	1/4"	.02" Tinned brass	.17	.09	.07	.06	.05

KEYSTONE MOLDED BASE FUSE BLOCKS

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	No. of Fuses	Fuse Size	Description	Price Each				
						1	100	500	1000	2000
534-3527	3527	R	1	5mm x 20mm	Snap-fit PCB fuse holder	1.02	.51	.43	.38	.36
534-4243	4243	S	1	1/4" x 1 1/4"	Fuse holder w/.250" quick disc.	3.06	1.53	1.33	.82	.70
534-4245	4245	T	1	1/4" x 1 1/4"	PCB fuse holder	1.09	.55	.53	.51	.49
534-3536	3536	U	1	1/4" x 1 1/4"	Fuse holder for 1 fuse	1.28	.64	.53	.44	.38
534-3537	3537	V	2*	1/4" x 1 1/4"	Fuse holder for 2 fuses	2.28	1.14	.94	.91	.89
534-3538	3538	W	3	1/4" x 1 1/4"	Fuse holder for 3 fuses	3.22	1.61	1.39	1.12	.94
534-3539	3539	X	4	1/4" x 1 1/4"	Fuse holder for 4 fuses	4.24	2.12	1.83	1.47	1.15
534-3523	3523	Y	1	1/4" x 1 1/4"	Fuse holder UL 94V-0	1.40	.70	.59	.49	.41
534-4527	4527	Z	1	5mm x 20mm	Low profile pcb fuse holder	.63	.31	.29	.19	.17
534-4527C	4527C	AA	N/A	—	Cover for 534-4527	.26	.13	.12	.07	.06
534-3526	3526	U	1	1/4" x 1 1/4"	3AG Fuse Holder, UL 94V-0	1.52	.80	.69	.60	.56

LITTELFUSE Wickmann® TR5® & TE5® Subminiature Fuses

WICKMANN® TR5® SUBMINIATURE FUSES

370 Series - Quick Acting

For long leads, replace last "00" of part number with "41".

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Amp (A)	Volts (V)	Price Each			
				1	10	100	250
576-3700050000	37000500430	0.05	250	2.25	2.15	2.05	1.94
576-3700063000	37000630430	0.06	250	2.25	2.15	2.05	1.94
576-3700080000	37000800430	0.08	250	2.25	2.15	2.05	1.94
576-3700100000	37001000430	0.10	250	.49	.47	.45	.43
576-3700125000	37001250430	0.13	250	.49	.47	.45	.43
576-3700160000	37001600430	0.16	250	.49	.47	.45	.43
576-3700200000	37002000430	0.20	250	.49	.47	.45	.43
576-3700250000	37002500430	0.25	250	.49	.47	.45	.43
576-3700315000	37003150430	0.32	250	.49	.47	.45	.43
576-3700400000	37004000430	0.40	250	.49	.47	.45	.43
576-3700500000	37005000430	0.50	250	.49	.47	.45	.43
576-3700630000	37006300430	0.63	250	.49	.47	.45	.43
576-3700800000	37008000430	0.80	250	.49	.47	.45	.43
576-3701100000	37011000430	1.00	250	.49	.47	.45	.43
576-3701125000	37011250430	1.25	250	.49	.47	.45	.43
576-3701160000	37011600430	1.60	250	.49	.47	.45	.43
576-3701200000	37012000430	2.00	250	.49	.47	.45	.43
576-3701250000	37012500430	2.50	250	.49	.47	.45	.43
576-3701315000	37013150430	3.15	250	.49	.47	.45	.43
576-3701400000	37014000430	4.00	250	.49	.47	.45	.43
576-3701500000	37015000430	5.00	250	.49	.47	.45	.43
576-3701630000	37016300430	6.30	250	.49	.47	.45	.43

372 Series - Time Lag

For long leads, replace last "00" of part number with "41".

576-3720040000	37200400430	0.04	250	.65	.58	.54	.50
576-3720050000	37200500430	0.05	250	.57	.50	.46	.43
576-3720063000	37200630430	0.06	250	.57	.50	.46	.43
576-3720080000	37200800430	0.08	250	.46	.40	.37	.35
576-3720100000	37201000430	0.10	250	.46	.40	.37	.35
576-3720125000	37201250430	0.13	250	.54	.51	.49	.46
576-3720160000	37201600431	0.16	250	.54	.51	.49	.46
576-3720200000	37202000431	0.20	250	.54	.51	.49	.46
576-3720250000	37202500431	0.25	250	.54	.51	.49	.46
576-3720315000	37203150431	0.32	250	.48	.45	.43	.41
576-3720400000	37204000431	0.40	250	.48	.45	.43	.41
576-3720500000	37205000430	0.50	250	.41	.36	.33	.31
576-3720630000	37206300430	0.63	250	.41	.36	.33	.31
576-3720800000	37208000430	0.80	250	.41	.36	.33	.31
576-3721100000	37211000430	1.00	250	.41	.36	.33	.31
576-3721125000	37211250430	1.25	250	.41	.36	.33	.31
576-3721160000	37211600430	1.60	250	.41	.36	.33	.31
576-3721200000	37212000431	2.00	250	.48	.45	.43	.41
576-3721250000	37212500431	2.50	250	.48	.45	.43	.41
576-3721315000	37213150431	3.15	250	.48	.45	.43	.41
576-3721400000	37214000431	4.00	250	.48	.45	.43	.41
576-3721500000	37215000431	5.00	250	.48	.45	.43	.41
576-3721630000	37216300431	6.30	250	.48	.45	.43	.41

373 Series - Quick Acting

For long leads, replace last "00" of part number with "41".

576-3730050000	37300500430	0.05	250	2.68	2.56	2.44	2.31
576-3730063000	37300630430	0.06	250	2.68	2.56	2.44	2.31
576-3730080000	37300800430	0.08	250	2.68	2.56	2.44	2.31
576-3730100000	37301000430	0.10	250	.62	.59	.56	.53
576-3730125000	37301250430	0.13	250	.62	.59	.56	.53
576-3730160000	37301600430	0.16	250	.62	.59	.56	.53
576-3730200000	37302000430	0.20	250	.62	.59	.56	.53
576-3730250000	37302500430	0.25	250	.62	.59	.56	.53
576-3730315000	37303150430	0.32	250	.62	.59	.56	.53
576-3730400000	37304000430	0.40	250	.62	.59	.56	.53
576-3730500000	37305000430	0.50	250	.59	.56	.53	.50
576-3730630000	37306300430	0.63	250	.62	.59	.56	.53
576-3730800000	37308000430	0.80	250	.62	.59	.56	.53
576-3731100000	37311000430	1.00	250	.62	.59	.56	.53
576-3731125000	37311250430	1.25	250	.62	.59	.56	.53
576-3731160000	37311600430	1.60	250	.62	.59	.56	.53
576-3731200000	37312000430	2.00	250	.62	.59	.56	.53
576-3731250000	37312500430	2.50	250	.62	.59	.56	.53
576-3731315000	37313150430	3.15	250	.62	.59	.56	.53
576-3731400000	37314000430	4.00	250	.62	.59	.56	.53
576-3731500000	37315000430	5.00	250	.62	.59	.56	.53
576-3731630000	37316300430	6.30	250	.62	.59	.56	.53
576-3731800000	37318000430	8.00	250	.62	.59	.56	.53
576-3732100000	37321000430	10.00	250	.62	.59	.56	.53

374 Series - Time Lag

For long leads, replace last "00" of part number with "41".

576-3740050000	37400500430	0.05	250	.94	.90	.86	.81
576-3740063000	37400630430	0.06	250	.94	.90	.86	.81
576-3740080000	37400800430	0.08	250	.88	.84	.80	.76
576-3740100000	37401000430	0.10	250	.88	.84	.80	.76
576-3740125000	37401250430	0.13	250	.75	.71	.68	.64
576-3740160000	37401600430	0.16	250	.75	.71	.68	.64
576-3740200000	37402000430	0.20	250	.75	.71	.68	.64
576-3740250000	37402500430	0.25	250	.72	.65	.62	.59
576-3740315000	37403150430	0.32	250	.72	.65	.62	.59

RoHS Compliant This page of product is compliant.

374 Series - Time Lag (cont.)

For long leads, replace last "00" of part number with "41".

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Amp (A)	Volts (V)	Price Each			
				1	10	100	250
576-3740400000	37404000430	0.40	250	.62	.59	.56	.53
576-3740500000	37405000430	0.50	250	.62	.59	.56	.53
576-3740630000	37406300430	0.63	250	.62	.59	.56	.53
576-3740800000	37408000430	0.80	250	.62	.59	.56	.53
576-3741100000	37411000430	1.00	250	.62	.59	.56	.53
576-3741125000	37411250430	1.25	250	.62	.59	.56	.53
576-3741160000	37411600430	1.60	250	.62	.59	.56	.53
576-3741200000	37412000430	2.00	250	.62	.59	.56	.53
576-3741250000	37412500430	2.50	250	.62	.59	.56	.53
576-3741315000	37413150430	3.15	250	.62	.59	.56	.53
576-3741400000	37414000430	4.00	250	.62	.59	.56	.53
576-3741500000	37415000430	5.00	250	.62	.59	.56	.53
576-3741630000	37416300430	6.30	250	.62	.59	.56	.53
576-3741800000	37418000430	8.00	250	.62	.59	.56	.53
576-3742100000	37421000430	10.00	250	.75	.65	.62	.59

382 Series - Time Lag

For long leads, replace last "00" of part number with "41".

576-3821100000	38211000430	1.00	250	.57	.52	.49	.47
576-3821125000	38211250430	1.25	250	.57	.52	.49	.47
576-3821160000	38211600430	1.60	250	.57	.52	.49	.47
576-3821200000	38212000430	2.00	250	.57	.52	.49	.47
576-3821250000	38212500430	2.50	250	.57	.52	.49	.47
576-3821315000	38213150430	3.15	250	.57	.52	.49	.47
576-3821400000	38214000430	4.00	250	.57	.52	.49	.47
576-3821500000	38216300000	5.00	250	.57	.52	.49	.47
576-3821630000	38216300000	6.30	250	.51	.49	.47	.44

WICKMANN® TE5® SUBMINIATURE FUSES

392 Series - Time Lag

For long leads, replace last "00" of part number with "41".

576-3920800000	39208000000	0.80	250	.52	.45	.43	.41
576-3921100000	39211000000	1.00	250	.52	.45	.43	.41
576-3921125000	39211250000	1.25	250	.52	.45	.43	.41
576-3921160000	39211600000	1.60	250	.52	.45	.43	.41
576-3921200000	39212000000	2.00	250	.52	.45	.43	.41
576-3921250000	39212500000	2.50	250	.52	.45	.43	.41
576-3921315000	39213150000	3.15	250	.52	.45	.43	.41
576-3921400000	39214000000	4.00	250	.52	.45	.43	.41

395 Series - Quick Acting

For long leads, replace last "00" of part number with "41".

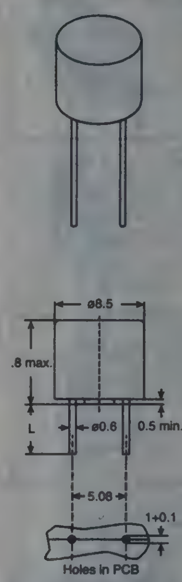
576-3950050000	39500500000	0.05	125	2.24	2.13	2.01	1.89
576-3950063000	39500630000	0.06	125	2.19	2.09	1.99	1.89
576-3950080000	39500800000	0.08	125	2.19	2.09	1.99	1.89
576-3950100000	39501000000	0.10	125	.52	.50	.47	.45
576-3950125000	39501250000	0.13	125	.52	.50	.47	.45
576-3950160000	39501600000	0.16	125	.52	.50	.47	.45
576-3950200000	39502000000	0.20	125	.52	.50	.47	.45
576-3950250000	39502500000	0.25	125	.52	.50	.47	.45
576-3950315000	39503150000	0.32	125	.52	.50	.47	.45
576-3950400000	39504000000	0.40	125	.52	.50	.47	.45
576-3950500000	39505000000	0.50	125	.52	.50	.47	.45
576-3950630000	39506300000	0.63	125	.52	.50	.47	.45
576-3950800000	39508000000	0.80	125	.52	.50	.47	.45
576-3951100000	39511000000	1.00	125	.52	.50	.47	.45
576-3951125000	39511250000	1.25	125	.52	.50	.47	.45
576-3951160000	39511600000	1.60	125	.52	.50	.47	.45
576-3951200000	39512000000	2.00	125	.52	.50	.47	.45
576-3951250000	39512500000	2.50	125	.52	.50	.47	.45
576-3951315000	39513150000	3.15	125	.52	.50	.47	.45
576-3951400000	39514000000	4.00	125	.52	.50	.47	.45
576-3951500000	39515000000	5.00	125	.52	.50	.47	.45
576-3951630000	39516300000	6.30	125	.52	.50	.47	.45

396 Series - Time Lag

For long leads, replace last "00" of part number with "41".

576-3960050000	39600500000	0.05	125	.97	.93	.89	.84
576-3960063000	39600630000	0.06	125	.78	.74	.71	.67
576-3960080000	39600800000	0.08	125	.78	.74	.71	.67
576-3960100000	39601000000	0.10	125	.68	.65	.62	.59
576-3960125000	39601250000	0.13	125	.68	.65	.62	.59
576-3960160000	39601600000	0.16	125	.68	.65	.62	.59
576-3960200000	39602000000	0.20	125	.68	.65	.62	.59
576-3960250000	39602500000	0.25	125	.55	.53	.50	.48
576-3960315000	39603150000	0.32	125	.55	.53	.50	.48
576-3960400000	39604000000	0.40	125	.55	.53	.50	.48
576-3960500000	39605000000	0.50	125	.55	.53	.50	.48
576-3960630000	39606300000	0.63	125	.55	.53	.50	.48
576-3960800000	39608000000	0.80	125	.55	.53	.50	.48
576-3961100000	39611000000	1.00	125	.55	.53	.50	.48
576-3961125000	39611250000	1.25	125	.55	.53	.50	.48
576-3961160000	39611600000	1.60	125	.55	.53	.50	.48
576-3961200000	39612000000	2.00	125	.49	.46	.44	.41
576-3961250000	39612500000	2.50	125	.55	.53	.50	.48
576-3961315000	39613150000	3.15	125	.55	.53	.50	.48
576-3961400000	39614000000	4.00	125	.55	.53	.50	.48
576-3961500000	39615000000	5.00	125	.55	.53	.50	.48
576-3961630000	39616300000	6.30	125	.55	.53	.50	.48

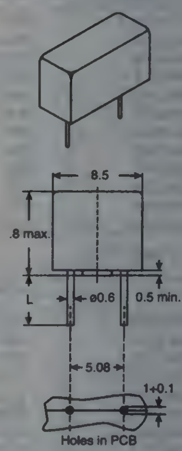
DIMENSIONS: mm



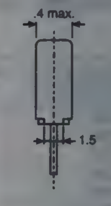
Long Leads (L = 18.8 mm)
Short Leads (L = 4.3mm)

RoHS Compliant

For 370, 372, 373, 374, and 382 Series



Long Leads (L = 18.8 mm)
Short Leads (L = 4.3mm)



RoHS Compliant

For 392, 395 and 396 Series

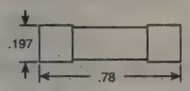
LITTELFUSE Fuses

This page of product is compliant.

DIMENSIONS: in.

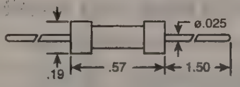
A

RoHS Compliant



B

RoHS Compliant



LITTELFUSE 5MM X 20MM FUSES

✻ The interrupting rating is the maximum current, at the rated voltage, that the fuse can safely open without the possibility of rupturing.

215 Series-SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0215.200HXP	0215.200HXP	A	0.2	250	1.23	1.14	1.06	.98
576-0215.315HXP	0215.315HXP	A	0.315	250	1.23	1.14	1.06	.98
576-0215.500HXP	0215.500HXP	A	0.5	250	1.23	1.14	1.06	.98
576-0215.800HXP	0215.800HXP	A	0.8	250	1.23	1.14	1.06	.98
576-0215001.HXP	0215001.HXP	A	1	250	1.28	1.12	.97	.86
576-02151.25HXP	02151.25HXP	A	1.25	250	1.28	1.12	.97	.86
576-021501.6HXP	021501.6HXP	A	1.6	250	1.28	1.12	.97	.86
576-0215002.HXP	0215002.HXP	A	2	250	1.28	1.12	.97	.86
576-021502.5HXP	021502.5HXP	A	2.5	250	1.28	1.12	.97	.86
576-02153.15HXP	02153.15HXP	A	3.15	250	1.28	1.12	.97	.86
576-0215004.HXP	0215004.HXP	A	4	250	1.28	1.12	.97	.86
576-0215005.HXP	0215005.HXP	A	5	250	1.28	1.12	.97	.86
576-021506.3HXP	021506.3HXP	A	6.3	250	1.28	1.12	.97	.86
576-0215008.HXP	0215008.HXP	A	8	250	1.28	1.12	.97	.86
576-0215010.HXP	0215010.HXP	A	10	250	1.28	1.12	.97	.86

216 Series Fast Acting Fuses

✻ 1500 amp interrupting rating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0216.050HXP	0216.050HXP	A	0.05	250	1.54	1.43	1.33	1.22
576-0216.100HXP	0216.100HXP	A	0.1	250	1.23	1.14	1.06	.98
576-0216.125HXP	0216.125HXP	A	0.125	250	1.23	1.14	1.06	.98
576-0216.200HXP	0216.200HXP	A	0.2	250	1.23	1.14	1.06	.98
576-0216.250HXP	0216.250HXP	A	0.25	250	1.23	1.14	1.06	.98
576-0216.315HXP	0216.315HXP	A	0.315	250	1.23	1.14	1.06	.98
576-0216.400HXP	0216.400HXP	A	0.4	250	1.23	1.14	1.06	.98
576-0216.500HXP	0216.500HXP	A	0.5	250	1.23	1.14	1.06	.98
576-0216.630HXP	0216.630HXP	A	0.63	250	1.23	1.14	1.06	.98
576-0216001.HXP	0216001.HXP	A	1	250	1.11	1.03	.96	.88
576-02161.25HXP	02161.25HXP	A	1.25	250	1.11	1.03	.96	.88
576-021601.6HXP	021601.6HXP	A	1.6	250	1.11	1.03	.96	.88
576-0216002.HXP	0216002.HXP	A	2	250	1.11	1.03	.96	.88
576-021602.5HXP	021602.5HXP	A	2.5	250	1.11	1.03	.96	.88
576-02163.15HXP	02163.15HXP	A	3.15	250	1.11	1.03	.96	.88
576-0216004.HXP	0216004.HXP	A	4	250	1.11	1.03	.96	.88
576-0216005.HXP	0216005.HXP	A	5	250	1.11	1.03	.96	.88
576-021606.3HXP	021606.3HXP	A	6.3	250	1.11	1.03	.96	.88
576-0216008.HXP	0216008.HXP	A	8	250	1.11	1.03	.96	.88
576-0216010.HXP	0216010.HXP	A	10	250	1.11	1.03	.96	.88

217 Series Fast Acting Fuses

✻ 35 amp interrupting rating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0217.032HXP	0217.032HXP	A	0.032	250	1.48	1.38	1.28	1.18
576-0217.063HXP	0217.063HXP	A	0.063	250	1.48	1.38	1.28	1.18
576-0217.100HXP	0217.100HXP	A	0.1	250	.87	.81	.75	.69
576-0217.125HXP	0217.125HXP	A	0.125	250	.87	.81	.75	.69
576-0217.200HXP	0217.200HXP	A	0.2	250	.87	.81	.75	.69
576-0217.250HXP	0217.250HXP	A	0.25	250	.87	.78	.68	.60
576-0217.400HXP	0217.400HXP	A	0.4	250	.26	.25	.20	.18
576-0217.500HXP	0217.500HXP	A	0.5	250	.26	.25	.20	.18
576-0217.630HXP	0217.630HXP	A	0.63	250	.26	.25	.20	.18
576-0217.800HXP	0217.800HXP	A	0.8	250	.26	.25	.20	.18
576-0217001.HXP	0217001.HXP	A	1	250	.26	.25	.20	.18
576-02171.25HXP	02171.25HXP	A	1.25	250	.26	.25	.20	.18
576-021701.6HXP	021701.6HXP	A	1.6	250	.26	.25	.20	.18
576-0217002.HXP	0217002.HXP	A	2	250	.26	.25	.20	.18
576-021702.5HXP	021702.5HXP	A	2.5	250	.26	.25	.20	.18
576-02173.15HXP	02173.15HXP	A	3.15	250	.26	.25	.20	.18
576-0217004.HXP	0217004.HXP	A	4	250	.26	.25	.20	.18
576-0217005.HXP	0217005.HXP	A	5	250	.26	.25	.20	.18
576-021706.3HXP	021706.3HXP	A	6.3	250	.26	.25	.20	.18
576-0217008.HXP	0217008.HXP	A	8	250	.26	.25	.20	.18
576-0217010.HXP	0217010.HXP	A	10	250	.26	.25	.20	.18

LITTELFUSE 5MM X 20MM FUSES (CONT.)

218 Series SLO-BLO® Fuses

✻ 35 amp interrupting rating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0218.032HXP	0218.032HXP	A	0.032	250	1.99	1.85	1.72	1.58
576-0218.040HXP	0218.040HXP	A	0.04	250	1.99	1.85	1.72	1.58
576-0218.050HXP	0218.050HXP	A	0.05	250	1.99	1.85	1.72	1.58
576-0218.063HXP	0218.063HXP	A	0.063	250	1.99	1.85	1.72	1.58
576-0218.080HXP	0218.080HXP	A	0.08	250	1.99	1.85	1.72	1.58
576-0218.100HXP	0218.100HXP	A	0.1	250	1.16	1.08	1.00	.92
576-0218.125HXP	0218.125HXP	A	0.125	250	1.16	1.08	1.00	.92
576-0218.160HXP	0218.160HXP	A	0.16	250	1.16	1.08	1.00	.92
576-0218.200HXP	0218.200HXP	A	0.2	250	1.16	1.08	1.00	.92
576-0218.250HXP	0218.250HXP	A	0.25	250	1.16	1.08	1.00	.92
576-0218.315HXP	0218.315HXP	A	0.315	250	1.16	1.08	1.00	.92
576-0218.400HXP	0218.400HXP	A	0.4	250	1.16	1.08	1.00	.92
576-0218.500HXP	0218.500HXP	A	0.5	250	.79	.74	.62	.55
576-0218.630HXP	0218.630HXP	A	0.63	250	.79	.74	.69	.63
576-0218.800HXP	0218.800HXP	A	0.8	250	.79	.74	.69	.63
576-0218001.HXP	0218001.HXP	A	1	250	.79	.74	.62	.55
576-02181.25HXP	02181.25HXP	A	1.25	250	.79	.74	.69	.63
576-021801.6HXP	021801.6HXP	A	1.6	250	.79	.74	.69	.63
576-0218002.HXP	0218002.HXP	A	2	250	.79	.74	.62	.55
576-021802.5HXP	021802.5HXP	A	2.5	250	.79	.74	.69	.63
576-02183.15HXP	02183.15HXP	A	3.15	250	.79	.74	.62	.55
576-0218004.HXP	0218004.HXP	A	4	250	.79	.74	.62	.55
576-0218005.HXP	0218005.HXP	A	5	250	.79	.74	.62	.55
576-021806.3HXP	021806.3HXP	A	6.3	250	.79	.74	.62	.55
576-0218008.HXP	0218008.HXP	A	8	250	1.24	1.16	1.07	.98
576-0218010.HXP	0218010.HXP	A	10	250	1.24	1.16	.96	.86
576-0218015.HXP	0218015.HXP	A	15	250	1.24	1.16	.96	.86

235 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

576-0235.100HXP	0235.100HXP	A	0.1	250	.71	.66	.61	.56
576-0235.125HXP	0235.125HXP	A	0.125	250	.71	.66	.61	.56
576-0235.200HXP	0235.200HXP	A	0.2	250	.71	.66	.61	.56
576-0235.250HXP	0235.250HXP	A	0.25	250	.71	.66	.61	.56
576-0235.300HXP	0235.300HXP	A	0.3	250	.71	.66	.61	.56
576-0235.400HXP	0235.400HXP	A	0.4	250	.71	.66	.61	.56
576-0235.500HXP	0235.500HXP	A	0.5	250	.39	.36	.33	.31
576-0235.600HXP	0235.600HXP	A	0.6	250	.39	.36	.33	.31
576-0235.700HXP	0235.700HXP	A	0.7	250	.39	.36	.33	.31
576-0235.800HXP	0235.800HXP	A	0.8	250	.39	.36	.33	.31
576-0235001.HXP	0235001.HXP	A	1	250	.32	.28	.24	.22
576-02351.25HXP	02351.25HXP	A	1.25	250	.32	.28	.24	.22
576-023501.6HXP	023501.6HXP	A	1.6	250	.32	.28	.24	.22
576-0235002.HXP	0235002.HXP	A	2	250	.32	.28	.24	.22
576-023502.5HXP	023502.5HXP	A	2.5	250	.32	.28	.24	.22
576-0235003.HXP	0235003.HXP	A	3	250	.32	.28	.24	.22
576-0235004.HXP	0235004.HXP	A	4	125	.32	.28	.24	.22
576-0235005.HXP	0235005.HXP	A	5	125	.32	.28	.24	.22
576-0235006.HXP	0235006.HXP	A	6	125	.32	.28	.24	.22

239 Series Slo-Blo® Fuses

For quantities of 500 and up, call for quote.

576-0239.200HXP	0239.200HXP	A	0.2	250	.99	.92	.85	.78
576-0239.250HXP	0239.250HXP	A	0.25	250	.99	.92	.85	.78
576-0239.300HXP	0239.300HXP	A	0.3	250	.99	.92	.85	.78
576-0239.400HXP	0239.400HXP	A	0.4	250	.75	.70	.65	.60
576-0239.500HXP	0239.500HXP	A	0.5	250	.75	.70	.65	.60
576-0239.600HXP	0239.600HXP	A	0.6	250	.75	.70	.65	.60
576-0239.750HXP	0239.750HXP	A	0.75	250	.75	.70	.65	.60
576-0239.800HXP	0239.800HXP	A	0.8	250	.75	.70	.65	.60
576-0239001.HXP	0239001.HXP	A	1	250	.75	.70	.65	.60
576-02391.25HXP	02391.25HXP	A	1.25	250	.75	.70	.65	.60
576-023901.6HXP	023901.6HXP	A	1.6	250	.75	.70	.65	.60
576-0239002.HXP	0239002.HXP	A	2	250	.75	.70	.65	.60
576-023902.5HXP	023902.5HXP	A	2.5	250	.75	.70	.65	.60
576-0239003.HXP	0239003.HXP	A	3	250	.75	.68	.59	.52
576-0239004.HXP	0239004.HXP	A	4	125	.75	.70	.65	.60
576-0239005.HXP	0239005.HXP	A	5	125	.75	.70	.65	.60

2AG FUSES

224 Series (Axial Lead) Fast-Acting Fuses

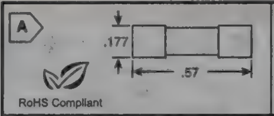
For quantities of 500 and up, call for quote.

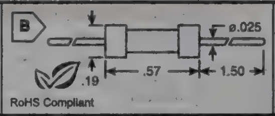
576-0224.250HXP	0224.250HXP	B	0.25	250	.91	.85	.79	.72
576-0224.375HXP	0224.375HXP	B	0.375	250	.70	.65	.60	.55
576-0224.500HXP	0224.500HXP	B	0.5	250	.70	.65	.60	.55
576-0224.750HXP	0224.750HXP	B	0.75	250	.70	.65	.60	.55
576-0224001.HXP	0224001.HXP	B	1	250	.70	.65	.60	.55
576-022401.5HXP	022401.5HXP	B	1.5	250	.70	.65	.60	.55
576-0224002.HXP	0224002.HXP	B	2	250	.70	.65	.60	.55
576-0224003.HXP	0224003.HXP	B	3	250	.70	.65	.60	.55
576-0224004.HXP	0224004.HXP	B	4	125	.48	.42	.38	.36
576-0224005.HXP	0224005.HXP	B	5	125	.48	.42	.38	.36
576-0224006.HXP	0224006.HXP	B	6	125	.48	.42	.38	.36
576-0224007.HXP	0224007.HXP	B	7	125	.48	.42	.38	.36
576-0224008.HXP	0224008.HXP	B	8	125	.48	.42	.38	.36
576-0224010.HXP	0224010.HXP	B	10	125	.48	.42	.38	.36

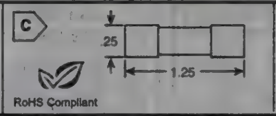
LITTELFUSE Fuses

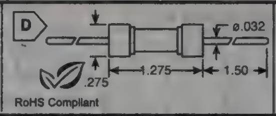
RoHS Compliant This page of product is compliant.

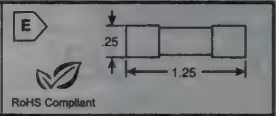
DIMENSIONS: in.











LITTELFUSE 2AG FUSES (CONT.)

225 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0225.125HXP	0225.125HXP	A	0.125	250	.69	.64	.59	.55
576-0225.250HXP	0225.250HXP	A	0.25	250	.69	.64	.59	.55
576-0225.500HXP	0225.500HXP	A	0.5	250	.47	.44	.41	.37
576-0225.750HXP	0225.750HXP	A	0.75	250	.47	.44	.41	.37
576-0225001.HXP	0225001.HXP	A	1	250	.47	.44	.41	.37
576-022501.5HXP	022501.5HXP	A	1.5	250	.47	.44	.41	.37
576-0225002.HXP	0225002.HXP	A	2	250	.47	.44	.41	.37
576-022502.5HXP	022502.5HXP	A	2.5	250	.47	.44	.41	.37
576-0225003.HXP	0225003.HXP	A	3	250	.49	.42	.37	.33
576-022503.5HXP	022503.5HXP	A	3.5	250	.47	.44	.41	.37
576-0225004.HXPUP	0225004.HXPUP	A	4	125	.47	.44	.41	.37
576-0225005.HXPUP	0225005.HXPUP	A	5	125	.47	.44	.41	.37
576-0225006.HXPUP	0225006.HXPUP	A	6	125	.47	.44	.41	.37
576-0225007.HXPUP	0225007.HXPUP	A	7	125	.47	.44	.41	.37
576-0225008.HXPUP	0225008.HXPUP	A	8	125	.47	.44	.41	.37
576-0225010.HXPUP	0225010.HXPUP	A	10	125	.47	.44	.41	.37

229 Series Slo-Blo® Fuses

576-0229.250HXP	0229.250HXP	A	0.25	250	.55	.52	.48	.44
576-0229.375HXP	0229.375HXP	A	0.375	250	.55	.52	.48	.44
576-0229.500HXP	0229.500HXP	A	0.5	250	.55	.52	.48	.44
576-0229001.HXP	0229001.HXP	A	1	250	.55	.52	.48	.44
576-02291.25HXP	02291.25HXP	A	1.25	250	.55	.52	.48	.44
576-022901.5HXP	022901.5HXP	A	1.5	250	.55	.52	.48	.44
576-0229002.HXP	0229002.HXP	A	2	250	.55	.52	.48	.44
576-0229003.HXP	0229003.HXP	A	3	250	.55	.52	.48	.44
576-022903.5HXP	022903.5HXP	A	3.5	125	.55	.52	.48	.44
*576-022903.5HXSP	022903.5HXSP	A	3.5	125	.68	.63	.58	.54
576-0229004.HXP	0229004.HXP	A	4	125	.55	.52	.48	.44
576-0229005.HXP	0229005.HXP	A	5	125	.55	.52	.48	.44
576-0229007.HXP	0229007.HXP	A	7	125	.55	.52	.48	.44

* Indicating Fuse

230 Series (Axial Lead) Slo-Blo® Fuses

576-0230.250HXP	0230.250HXP	B	0.25	250	.78	.73	.68	.62
*576-0230.250HXSP	0230.250HXSP	B	0.25	250	.91	.85	.78	.72
576-0230.375HXP	0230.375HXP	B	0.375	250	.78	.73	.68	.62
576-0230.500HXP	0230.500HXP	B	0.5	250	.78	.73	.68	.62
576-0230.600HXP	0230.600HXP	B	0.6	250	.78	.73	.68	.62
576-0230.750HXP	0230.750HXP	B	0.75	250	.78	.73	.68	.62
576-0230001.HXP	0230001.HXP	B	1	250	.78	.73	.66	.59
576-02301.25HXP	02301.25HXP	B	1.25	250	.78	.73	.68	.62
576-023001.5HXP	023001.5HXP	B	1.5	250	.78	.73	.68	.62
576-0230002.HXP	0230002.HXP	B	2	250	.78	.73	.68	.62
*576-0230002.HXSP	0230002.HXSP	B	2	250	.91	.85	.78	.72
576-02302.25HXP	02302.25HXP	B	2.25	250	.78	.73	.68	.62
576-023002.5HXP	023002.5HXP	B	2.5	250	.78	.73	.68	.62
576-0230003.HXP	0230003.HXP	B	3	250	.78	.73	.68	.62
576-023003.5HXP	023003.5HXP	B	3.5	250	.78	.73	.68	.62
576-0230004.HXP	0230004.HXP	B	4	125	.78	.73	.68	.62
576-0230005.HXP	0230005.HXP	B	5	125	.78	.73	.68	.62
*576-0230005.HXSP	0230005.HXSP	B	5	125	.91	.85	.78	.72
576-0230006.DRT2P	0230006.DRT2P	B	6	125	.92	.86	.80	.73
576-0230007.HXP	0230007.HXP	B	7	125	.78	.73	.68	.62
*576-0230007.HXSP	0230007.HXSP	B	7	125	.91	.85	.78	.72

* Indicating Fuse

LITTELFUSE 3AG FUSES

312 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0312.010VXP	0312.010VXP	C	0.01	250	5.60	4.99	4.74	4.49
576-0312.031VXP	0312.031VXP	C	0.031	250	7.24	6.74	6.24	5.74
576-0312.062HXP	0312.062HXP	C	0.062	250	1.48	1.37	1.27	1.17
576-0312.100HXP	0312.100HXP	C	0.1	250	1.48	1.37	1.27	1.17
576-0312.125HXP	0312.125HXP	C	0.125	250	.85	.79	.74	.68
576-0312.175HXP	0312.175HXP	C	0.175	250	.85	.79	.74	.68
576-0312.187HXP	0312.187HXP	C	0.187	250	.85	.79	.74	.68
576-0312.200HXP	0312.200HXP	C	0.2	250	.85	.79	.74	.68
576-0312.250HXP	0312.250HXP	C	0.25	250	.85	.79	.66	.59
576-0312.300HXP	0312.300HXP	C	0.3	250	.85	.79	.74	.68
576-0312.375HXP	0312.375HXP	C	0.375	250	.25	.23	.22	.20
576-0312.500HXP	0312.500HXP	C	0.5	250	.25	.22	.19	.17
576-0312.600HXP	0312.600HXP	C	0.6	250	.25	.23	.22	.20
576-0312.750HXP	0312.750HXP	C	0.75	250	.25	.23	.22	.20
576-0312001.HXP	0312001.HXP	C	1	250	.25	.23	.19	.14
576-03121.25HXP	03121.25HXP	C	1.25	250	.25	.23	.22	.20
576-031201.5HXP	031201.5HXP	C	1.5	250	.25	.22	.19	.17
576-0312002.HXP	0312002.HXP	C	2	250	.25	.22	.19	.17
576-031202.5HXP	031202.5HXP	C	2.5	250	.25	.23	.22	.20
576-0312003.HXP	0312003.HXP	C	3	250	.25	.22	.19	.17
576-0312004.HXP	0312004.HXP	C	4	250	.25	.22	.19	.17
576-0312005.HXP	0312005.HXP	C	5	250	.25	.22	.19	.17
576-0312006.HXP	0312006.HXP	C	6	250	.25	.22	.19	.17
576-0312007.HXP	0312007.HXP	C	7	250	.25	.23	.22	.20
576-0312008.HXP	0312008.HXP	C	8	250	.25	.22	.19	.17
576-0312010.HXP	0312010.HXP	C	10	250	.25	.22	.19	.17

LITTELFUSE 3AG FUSES (CONT.)

318 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0318.062HXP	0318.062HXP	D	0.062	250	1.49	1.39	1.29	1.18
576-0318001.HXP	0318001.HXP	D	1	250	.66	.62	.57	.52
576-031801.5HXP	031801.5HXP	D	1.5	250	.66	.62	.57	.52
576-0318005.HXP	0318005.HXP	D	5	250	.66	.62	.57	.52
576-0318007.HXP	0318007.HXP	D	7	250	.66	.62	.57	.52
576-0318008.HXP	0318008.HXP	D	8	250	.66	.62	.57	.52
576-0318010.HXP	0318010.HXP	D	10	250	.66	.62	.57	.52

313 Series Slo-Blo® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0313.010HXP	0313.010HXP	E	0.01	250	3.34	3.11	2.88	2.65
576-0313.031HXP	0313.031HXP	E	0.031	250	3.34	3.11	2.88	2.65
576-0313.040HXP	0313.040HXP	E	0.04	250	3.34	3.11	2.88	2.65
576-0313.062HXP	0313.062HXP	E	0.062	250	1.72	1.60	1.48	1.36
576-0313.100HXP	0313.100HXP	E	0.1	250	1.72	1.60	1.48	1.36
576-0313.125HXP	0313.125HXP	E	0.125	250	1.72	1.60	1.48	1.36
576-0313.150HXP	0313.150HXP	E	0.15	250	1.72	1.60	1.48	1.36
576-0313.187HXP	0313.187HXP	E	0.187	250	.99	.93	.86	.79
576-0313.200HXP	0313.200HXP	E	0.2	250	.99	.93	.86	.79
576-0313.250HXP	0313.250HXP	E	0.25	250	.70	.65	.63	.58
576-0313.300HXP	0313.300HXP	E	0.3	250	.99	.93	.86	.79
576-0313.375HXP	0313.375HXP	E	0.375	250	.99	.93	.86	.79
576-0313.400HXP	0313.400HXP	E	0.4	250	.99	.93	.86	.79
576-0313.500HXP	0313.500HXP	E	0.5	250	.76	.70	.65	.60
576-0313.600HXP	0313.600HXP	E	0.6	250	.76	.70	.65	.60
576-0313.700HXP	0313.700HXP	E	0.7	250	.76	.70	.65	.60
576-0313.750HXP	0313.750HXP	E	0.75	250	.76	.70	.65	.60
576-0313.800HXP	0313.800HXP	E	0.8	250	.76	.70	.65	.60
576-0313001.HXP	0313001.HXP	E	1	250	.76	.68	.59	.52
576-031301.2HXP	031301.2HXP	E	1.2	250	.76	.70	.65	.60
576-03131.25HXP	03131.25HXP	E	1.25	250	.76	.70	.65	.60
576-031301.5HXP	031301.5HXP	E	1.5	250	.76	.68	.59	.52
576-031301.6HXP	031301.6HXP	E	1.6	250	.76	.70	.65	.60
576-0313002.HXP	0313002.HXP	E	2	250	.76	.68	.59	.52
576-031302.5HXP	031302.5HXP	E	2.5	250	.76	.68	.59	.52
576-0313003.HXP	0313003.HXP	E	3	250	.76	.68	.59	.52
576-031303.2HXP	031303.2HXP	E	3.2	250	.76	.70	.65	.60
576-0313004.HXP	0313004.HXP	E	4	250	.87	.78	.68	.60
576-0313005.HXP	0313005.HXP	E	5	250	.87	.78	.68	.60
576-03136.25HXP	03136.25HXP	E	6.25	250	.87	.81	.75	.69
576-031306.3HXP	031306.3HXP	E	6.3	250	.87	.81	.75	.69
576-0313007.HXP	0313007.HXP	E	7	250	.87	.81	.75	.69
576-0313008.HXP	0313008.HXP	E	8	250	.87	.81	.75	.69
576-0313010.HXP	0313010.HXP	E	10	32	.87	.81	.75	.69
576-0313012.HXP	0313012.HXP	E	12	32	.87	.81	.75	.69
576-0313015.HXP	0313015.HXP	E	15	32	.87	.78	.68	.60
576-0313020.HXP	0313020.HXP	E	20	32	1.11	1.03	.96	.88
576-0313025.HXP	0313025.HXP	E	25	32	1.11	1.03	.96	.88
576-0313030.HXP	0313030.HXP	E	30	32	1.11	1.03	.96	.88

315 Series Slo-Blo® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0315.125HXP	0315.125HXP	D	0.125	250	2.91	2.71	2.51	2.30
576-0315.500HXP	0315.500HXP	D	0.5	250	1.17	1.09	1.01	.93
576-0315001.HXP	0315001.HXP	D	1	250	1.17	1.09	1.01	.93
576-031501.5HXP	031501.5HXP	D	1.5	250	1.17	1.09	1.01	.93
576-0315002.HXP	0315002.HXP	D	2	250	1.17	1.09	1.01	.93
576-0315003.HXP	0315003.HXP	D	3	250	1.17	1.09	1.01	.93
576-0315005.HXP	0315005.HXP	D	5	250	1.17	1.09	1.01	.93
576-0315007.HXP	0315007.HXP	D	7	250	1.17	1.09	1.01	.93
576-0315008.HXP	0315008.HXP	D	8	250	1.17	1.09	1.01	.93
576-0315010.HXP	0315010.HXP	D	10	32	1.17	1.09	1.01	.93
576-0315015.HXP	0315015.HXP	D	15	32	1.17	1.09	1.01	.93

LITTELFUSE 3AB CERAMIC FUSES

314 Series Fast-Acting Ceramic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0314.125HXP	0314.125HXP	D	0.125	250	1.19	1.11	1.03	.95
576-0314.250HXP	0314.250HXP	D	0.25	250	1.19	1.11	1.03	.95
576-0314.500HXP	0314.500HXP	D	0.5	250	.74	.69	.64	.58
576-0314.750HXP	0314.750HXP	D	0.75	250	.74	.69	.64	.58
576-0314001.HXP	0314001.HXP	D	1	250	.74	.69	.64	.58
576-0314002.HXP	0314002.HXP	D	2	250	.74	.69	.64	.58

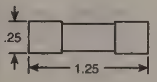
LITTELFUSE Fuses

Products may be RoHS compliant.
Check mouser.com for RoHS status.

DIMENSIONS: mm (in.)

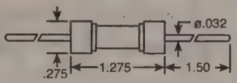
A

RoHS Compliant

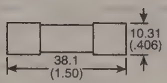


B

RoHS Compliant



C



3AB CERAMIC FUSES (CONT.)

314 Series Fast-Acting Ceramic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0314003.HXP	0314003.HXP	A	3	250	.74	.69	.64	.58
576-0314004.HXP	0314004.HXP	A	4	250	.74	.69	.64	.58
576-0314005.HXP	0314005.HXP	A	5	250	.74	.69	.64	.58
576-0314006.HXP	0314006.HXP	A	6	250	.74	.69	.64	.58
576-0314007.HXP	0314007.HXP	A	7	250	.74	.69	.64	.58
576-0314008.HXP	0314008.HXP	A	8	250	.74	.69	.64	.58
576-0314010.HXP	0314010.HXP	A	10	250	.74	.69	.64	.58
576-0314012.HXP	0314012.HXP	A	12	250	.74	.66	.57	.51
576-0314015.HXP	0314015.HXP	A	15	250	.74	.66	.57	.51
576-0314020.HXP	0314020.HXP	A	20	250	1.09	.99	.85	.75
576-0314025.HXP	0314025.HXP	A	25	250	1.09	1.02	.94	.87
576-0314030.HXP	0314030.HXP	A	30	250	1.09	1.02	.94	.87

324 Series Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0324010.HXP	0324010.HXP	B	10	250	1.29	1.20	1.11	1.02
576-0324012.HXP	0324012.HXP	B	12	250	1.29	1.20	1.11	1.02
576-0324015.HXP	0324015.HXP	B	15	250	1.29	1.20	1.11	1.02
576-0324020.HXP	0324020.HXP	B	20	250	1.69	1.57	1.46	1.34
576-0324025.HXP	0324025.HXP	B	25	125	1.69	1.57	1.46	1.34
576-0324030.HXP	0324030.HXP	B	30	125	1.69	1.57	1.46	1.34

322 Series Very Fast-Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0322001.HXP	0322001.HXP	A	1	250	3.15	3.00	2.86	2.72
576-0322002.HXP	0322002.HXP	A	2	250	3.15	3.00	2.86	2.72
576-0322004.HXP	0322004.HXP	A	4	250	3.15	3.00	2.86	2.72
576-0322008.HXP	0322008.HXP	A	8	250	3.15	3.00	2.86	2.72
576-0322010.HXP	0322010.HXP	A	10	250	3.15	3.00	2.86	2.72
576-0322020.HXP	0322020.HXP	A	20	65	3.47	3.31	3.16	3.00
576-0322030.HXP	0322030.HXP	A	30	65	3.47	3.31	3.16	3.00

326 Series Slo-Blo® Ceramic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0326.010HXP	0326.010HXP	A	0.01	250	2.88	2.68	2.48	2.28
576-0326.031HXP	0326.031HXP	A	0.031	250	2.88	2.68	2.48	2.28
576-0326.100HXP	0326.100HXP	A	0.1	250	2.88	2.68	2.48	2.28
576-0326.125HXP	0326.125HXP	A	0.125	250	2.88	2.68	2.48	2.28
576-0326.250HXP	0326.250HXP	A	0.25	250	1.31	1.22	1.13	1.04
576-0326.375HXP	0326.375HXP	A	0.375	250	1.31	1.22	1.13	1.04
576-0326.500HXP	0326.500HXP	A	0.5	250	1.31	1.22	1.13	1.04
576-0326.750HXP	0326.750HXP	A	0.75	250	1.31	1.22	1.13	1.04
576-0326.800HXP	0326.800HXP	A	0.8	250	1.31	1.22	1.13	1.04
576-0326001.HXP	0326001.HXP	A	1	250	1.31	1.22	1.13	1.04
576-032601.5HXP	032601.5HXP	A	1.5	250	1.31	1.22	1.13	1.04
576-0326002.HXP	0326002.HXP	A	2	250	1.31	1.22	1.13	1.04
576-032602.5HXP	032602.5HXP	A	2.5	250	1.31	1.22	1.13	1.04
576-0326003.HXP	0326003.HXP	A	3	250	1.31	1.22	1.13	1.04
576-0326004.HXP	0326004.HXP	A	4	250	1.31	1.22	1.13	1.04
576-0326005.HXP	0326005.HXP	A	5	250	1.31	1.22	1.13	1.04
576-03266.25HXP	03266.25HXP	A	6.25	250	1.31	1.22	1.13	1.04
576-0326007.HXP	0326007.HXP	A	7	250	1.31	1.22	1.13	1.04
576-0326008.HXP	0326008.HXP	A	8	250	1.31	1.22	1.13	1.04
576-0326010.HXP	0326010.HXP	A	10	250	1.31	1.22	1.13	.90
576-0326012.HXP	0326012.HXP	A	12	250	1.31	1.22	1.13	1.04
576-0326015.HXP	0326015.HXP	A	15	250	1.31	1.22	1.13	.90
576-0326020.HXP	0326020.HXP	A	20	250	1.31	1.22	1.13	1.04
576-0326025.HXP	0326025.HXP	A	25	125	1.31	1.22	1.13	1.04
576-0326030.HXP	0326030.HXP	A	30	125	1.31	1.22	1.13	1.04

325 Series Slo-Blo® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0325010.HXP	0325010.HXP	B	10	250	1.85	1.72	1.60	1.47
576-0325015.HXP	0325015.HXP	B	15	250	1.85	1.72	1.60	1.47
576-0325020.HXP	0325020.HXP	B	30	125	1.85	1.72	1.60	1.47
576-0325030.HXP	0325030.HXP	B	20	250	1.85	1.72	1.60	1.47

KLK SERIES MIDGET AC FAST-ACTING FUSES QPL

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0KLK001.T	KLK001	C	1	600	12.07	11.72	11.36	11.00
576-0KLK01.5T	KLK01.5	C	1.5	600	15.42	14.72	14.02	13.32
576-0KLK002.T	KLK002	C	2	600	14.18	13.54	12.89	12.25
576-0KLK003.T	KLK003	C	3	600	14.18	13.54	12.89	12.25
576-0KLK005.T	KLK005	C	5	600	14.18	13.54	12.89	12.25
576-0KLK006.T	KLK006	C	6	600	13.80	13.17	12.55	11.92
576-0KLK010.T	KLK010	C	10	600	17.75	15.98	14.20	13.49
576-0KLK015.T	KLK015	C	15	600	14.18	13.54	12.89	12.25
576-0KLK020.T	KLK020	C	20	600	14.25	13.60	12.96	12.31
576-0KLK025.T	KLK025	C	25	600	14.25	13.60	12.96	12.31
576-0KLK030.T	KLK030	C	30	600	14.25	13.60	12.96	12.31

FLQ SERIES MIDGET AC SLO-BLO FUSES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0FLQ001.T	FLQ001	C	1	500	17.21	16.42	15.64	14.86
576-0FLQ002.T	FLQ002	C	2	500	17.21	16.42	15.64	14.86
576-0FLQ005.T	FLQ005	C	5	500	21.45	19.31	17.16	16.30
576-0FLQ008.T	FLQ008	C	8	500	17.21	16.42	15.64	14.86
576-0FLQ010.T	FLQ010	C	10	500	21.45	19.31	17.16	16.30
576-0FLQ015.T	FLQ015	C	15	500	17.21	16.42	15.64	14.86
576-0FLQ020.T	FLQ020	C	20	500	15.02	14.16	13.30	12.44
576-0FLQ025.T	FLQ025	C	25	500	17.21	16.42	15.64	14.86
576-0FLQ030.T	FLQ030	C	30	500	17.21	16.42	15.64	14.86

KLKD SERIES MIDGET AC/DC FAST-ACTING FUSES QPL

For quantities of 500 and up, call for quote.

576-KLKD.300T	KLKD.300	C	0.3	600	20.20	19.29	18.37	17.45
576-KLKD001.T	KLKD001	C	1	600	18.76	17.91	17.06	16.20
576-KLKD005.T	KLKD005	C	5	600	19.05	18.19	17.32	16.46
576-KLKD008.T	KLKD008	C	8	600	17.26	16.75	16.24	15.73
576-KLKD010.T	KLKD010	C	10	600	19.01	18.15	17.28	16.42
576-KLKD015.T	KLKD015	C	15	600	19.05	18.19	17.32	16.46
576-KLKD020.T	KLKD020	C	20	600	20.93	19.98	19.02	18.07

KLDR SERIES CLASS CC TIME-DELAY FUSES FOR TRANSFORMERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-KLDR.100T	KLDR.100	C	0.1	600AC/300DC	17.62	16.11	15.11	14.10
576-KLDR.200T	KLDR.200	C	0.2	600AC/300DC	20.52	19.59	18.66	17.72
576-KLDR.300T	KLDR.300	C	0.3	600AC/300DC	23.88	22.79	21.71	20.62
576-KLDR.500T	KLDR.500	C	0.5	600AC/300DC	18.22	17.39	16.56	15.74
576-KLDR.750T	KLDR.750	C	0.75	600AC/300DC	22.64	21.61	20.58	19.55
576-KLDR001.T	KLDR001	C	1	600AC/300DC	17.90	17.09	16.28	15.46
576-KLDR002.T	KLDR002	C	2	600AC/300DC	18.22	17.39	16.56	15.74
576-KLDR005.T	KLDR005	C	5	600AC/300DC	15.70	14.35	13.46	12.56
576-KLDR009.T	KLDR009	C	9	600AC/300DC	22.78	21.74	20.71	19.67
576-KLDR01.5T	KLDR01.5	C	1.5	600AC/300DC	15.70	14.35	13.46	12.56
576-KLDR010.T	KLDR010	C	10	600AC/300DC	17.57	17.07	16.06	15.06
576-KLDR012.T	KLDR012	C	12	600AC/300DC	18.31	17.48	16.65	15.81
576-KLDR015.T	KLDR015	C	15	600AC/300DC	16.57	15.15	14.21	13.26
576-KLDR020.T	KLDR020	C	20	600AC/300DC	19.10	18.23	17.36	16.50
576-KLDR025.T	KLDR025	C	25	600AC/300DC	19.10	18.23	17.36	16.50
576-KLDR030.T	KLDR030	C	30	600AC/300DC	19.10	18.23	17.36	16.50
576-KLDR2.25T	KLDR2.25	C	2.25	600AC/300DC	23.88	22.79	21.71	20.62

FLQ SERIES MIDGET AC TIME-DELAY FUSES

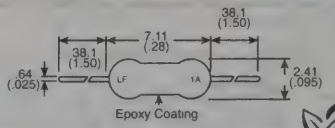
For quantities of 500 and up, call for quote.

576-0FLM002.T	FLM002	C	2	250	5.95	5.68	5.41	5.14
576-0FLM6.25T	FLM6.25	C	6.25	250	6.36	6.07	5.78	5.49
576-0FLM010.T	FLM010	C	10	250	5.95	5.68	5.41	5.14
576-0FLM015.T	FLM015	C	15	250	5.95	5.68	5.41	5.14
576-0FLM020.T	FLM020	C	20	250	6.22	5.94	5.66	5.38
576-0FLM030.T	FLM030	C	30	250	6.22	5.94	5.66	5.38

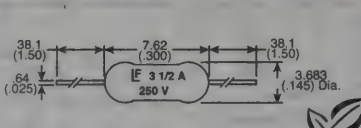
LITTELFUSE Fuses

Products may be RoHS compliant. Check mouser.com for RoHS status.

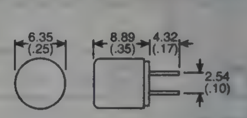
DIMENSIONS: mm (In.)

A


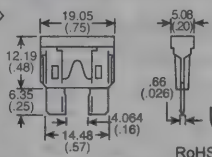
RoHS Compliant

B


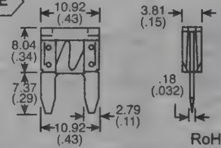
RoHS Compliant

C


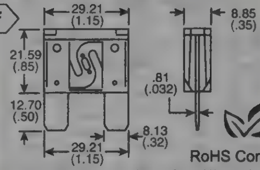
RoHS Compliant

D


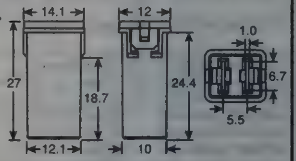
RoHS Compliant

E


RoHS Compliant

F


RoHS Compliant

G


251L SERIES PICO® II FAST-ACTING SUBMINIATURE FUSES, AXIAL LEAD

QPL

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0251.062MXL	0251.062MXL	A	0.062	125	.98	.92	.76	.68
576-0251.125MXL	0251.125MXL	A	0.125	125	.62	.58	.48	.43
576-0251.250MXL	0251.250MXL	A	0.25	125	.62	.58	.48	.43
576-0251.375MXL	0251.375MXL	A	0.375	125	.62	.58	.54	.49
*576-0251.500MAT1L	0251.500MAT1L	A	0.5	125	.36	.33	.31	.30
*576-0251.750MAT1L	0251.750MAT1L	A	0.75	125	.37	.34	.32	.29
576-0251001.MXL	0251001.MXL	A	1	125	.46	.43	.36	.32
576-02511.25MXL	02511.25MXL	A	1.25	125	.46	.43	.40	.36
576-025101.5MXL	025101.5MXL	A	1.5	125	.46	.43	.40	.36
576-0251002.MXL	0251002.MXL	A	2	125	.46	.43	.36	.32
576-025102.5MXL	025102.5MXL	A	2.5	125	.46	.43	.36	.32
576-0251003.MXL	0251003.MXL	A	3	125	.46	.43	.36	.32
576-025103.5MXL	025103.5MXL	A	3.5	125	.46	.43	.40	.36
*576-0251004.MRT1L	0251004.MRT1L	A	4	125	.36	.33	.31	.30
576-0251005.MXL	0251005.MXL	A	5	125	.46	.43	.36	.32
576-0251007.MXL	0251007.MXL	A	7	125	.46	.43	.36	.32
576-0251010.MXL	0251010.MXL	A	10	125	.46	.43	.36	.32
*576-0251012.MRT1L	0251012.MRT1L	A	12	125	.64	.60	.56	.51
*576-0251015.MRT1L	0251015.MRT1L	A	15	125	.64	.60	.56	.51

* Tape and Reel

263 SERIES PICO® II VERY FAST-ACTING SUBMINIATURE FUSES

For quantities of 500 and up, call for quote.

576-0263.062MXL	0263.062MXL	B	0.062	250	2.15	2.00	1.86	1.71
576-0263.125MXL	0263.125MXL	B	0.125	250	1.71	1.59	1.48	1.36
576-0263.250MXL	0263.250MXL	B	0.25	250	1.71	1.59	1.48	1.36
576-0263.375MXL	0263.375MXL	B	0.375	250	1.71	1.59	1.48	1.36
576-0263.500MXL	0263.500MXL	B	0.5	250	1.71	1.59	1.48	1.36
576-0263.750MXL	0263.750MXL	B	0.75	250	1.42	1.32	1.22	1.12
576-0263001.MXL	0263001.MXL	B	1	250	1.42	1.32	1.22	1.12
576-026301.5MXL	026301.5MXL	B	1.5	250	1.42	1.32	1.22	1.12
576-0263002.MXL	0263002.MXL	B	2	250	1.42	1.32	1.09	.98
576-026302.5MXL	026302.5MXL	B	2.5	250	1.42	1.32	1.22	1.12
576-0263003.MXL	0263003.MXL	B	3	250	1.42	1.32	1.09	.98
576-026303.5MXL	026303.5MXL	B	3.5	250	1.42	1.32	1.22	1.12
576-0263004.MXL	0263004.MXL	B	4	250	1.42	1.32	1.22	1.12
576-0263005.MXL	0263005.MXL	B	5	250	1.42	1.32	1.22	1.12

473 SERIES PICO® II SLO-BLO SUBMINIATURE FUSES

For quantities of 500 and up, call for quote.

*576-0473.375MRT1L	0473.375MRT1L	A	0.375	125	1.71	1.59	1.47	1.35
*576-0473.500MRT1L	0473.500MRT1L	A	0.5	125	1.71	1.59	1.47	1.35
*576-0473.750MRT1L	0473.750MRT1L	A	0.75	125	1.71	1.59	1.47	1.35
*576-0473001.MRT1L	0473001.MRT1L	A	1	125	.93	.82	.73	.65
*576-047301.5MRT1L	047301.5MRT1L	A	1.5	125	1.71	1.59	1.47	1.35
*576-0473002.MRT1L	0473002.MRT1L	A	2	125	1.71	1.59	1.47	1.35
*576-04732.25MRT1L	04732.25MRT1L	A	2.25	125	1.71	1.59	1.47	1.35
*576-047302.5MRT1L	047302.5MRT1L	A	2.5	125	1.71	1.59	1.47	1.35
*576-0473003.MRT1L	0473003.MRT1L	A	3	125	1.71	1.59	1.47	1.35
*576-047303.5MRT1L	047303.5MRT1L	A	3.5	125	1.71	1.59	1.47	1.35
*576-0473004.MRT1L	0473004.MRT1L	A	4	125	1.71	1.59	1.47	1.35
*576-0473005.MRT1L	0473005.MRT1L	A	5	125	1.71	1.59	1.47	1.35
*576-0473007.MRT1L	0473007.MRT1L	A	7	125	1.71	1.59	1.47	1.35

* Tape and Reel

273 SERIES MICRO™ FUSE VERY FAST-ACTING SUBMINIATURE FUSES

QPL

Developed originally for the U.S. Space Program, MICRO fuse provides reliability in a compact design.

For quantities of 500 and up, call for quote.

576-0273.031V	273.031	C	0.031	125	26.27	24.46	22.65	20.84
576-0273.050H	273.050	C	0.05	125	4.56	4.25	3.93	3.62
576-0273.062V	273.062	C	0.062	125	6.99	6.51	6.03	5.55
576-0273.125H	273.125	C	0.125	125	4.51	4.20	3.89	3.57
576-0273.250H	273.250	C	0.25	125	4.51	4.20	3.89	3.57
576-0273.500H	273.500	C	0.5	125	4.51	4.20	3.89	3.57
576-0273001.H	273001	C	1	125	4.51	4.20	3.89	3.57
576-027301.5H	27301.5	C	1.5	125	4.51	4.20	3.89	3.57
576-0273002.H	273002	C	2	125	4.51	4.20	3.89	3.57
576-0273003.H	273003	C	3	125	4.51	4.20	3.89	3.57
576-0273004.H	273004	C	4	125	4.51	4.20	3.89	3.57
576-0273005.H	273005	C	5	125	4.51	4.20	3.89	3.57

257 SERIES AUTOFUSE ATO® FAST-ACTING BLADE FUSES

Designed and originated by Littelfuse for the automotive industry, the ATO® fuse has become the original equipment circuit protection standard for foreign and domestic automobiles and trucks. Readily identifiable and easily replaced, this fuse can be specified for a variety of low voltage electronic applications. The ATO® series is rated to 85°C ambient.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0257001.PXPV	257001	D	1	32	.46	.43	.40	.37
576-0257002.PXPV	257002	D	2	32	.46	.43	.40	.37
576-0257003.PXPV	257003	D	3	32	.43	.39	.36	.32
576-0257004.PXPV	257004	D	4	32	.46	.43	.40	.37
576-0257005.PXPV	257005	D	5	32	.43	.39	.36	.32
576-025707.5PXPV	25707.5	D	7.5	32	.46	.43	.40	.37
576-0257010.PXPV	257010	D	10	32	.43	.39	.36	.32
576-0257015.PXPV	257015	D	15	32	.43	.39	.36	.32
576-0257020.PXPV	257020	D	20	32	.43	.39	.36	.32
576-0257025.PXPV	257025	D	25	32	.46	.43	.40	.37
576-0257030.PXPV	257030	D	30	32	.46	.43	.40	.37
576-0257040.PXPV	257040	D	40	32	.46	.43	.40	.37

297 SERIES AUTOFUSE MINI® FAST-ACTING

The MINI® fuse has become the industry standard blade fuse for engine compartment locations requiring a 125°C temperature rating.

- Materials: plastic body, silver plated terminals
- Voltage rating: 32V

For quantities of 500 and up, call for quote.

576-0297002.WXNV	297002	E	2	32	.54	.46	.42	.37
576-0297003.WXNV	297003	E	3	32	.54	.50	.47	.43
576-0297004.WXNV	297004	E	4	32	.54	.50	.47	.43
576-0297005.WXNV	297005	E	5	32	.54	.50	.47	.43
576-029707.5WXNV	29707.5	E	7.5	32	.54	.50	.47	.43
576-0297010.WXNV	297010	E	10	32	.54	.46	.42	.37
576-0297015.WXNV	297015	E	15	32	.54	.46	.42	.37
576-0297020.WXNV	297020	E	20	32	.54	.50	.47	.43
576-0297025.WXNV	297025	E	25	32	.54	.50	.47	.43
576-0297030.WXNV	297030	E	30	32	.54	.50	.47	.43

299 SERIES MAXI® SLO-BLO® AUTOMOTIVE BLADE FUSES

Designed and originated by Littelfuse for the automotive industry, the MAXI® fuse has become the original equipment circuit protection standard for foreign and domestic automobiles and trucks. The MAXI® series is rated to 125°C ambient.

For quantities of 500 and up, call for quote.

576-0299020.ZXNV	299020	F	20	32	1.50	1.40	1.29	1.19
576-0299025.ZXNV	299025	F	25	32	1.50	1.40	1.29	1.19
576-0299030.ZXNV	299030	F	30	32	1.50	1.40	1.29	1.19
576-0299035.ZXNV	299035	F	35	32	1.50	1.40	1.29	1.19
576-0299040.ZXNV	299040	F	40	32	1.50	1.40	1.29	1.19
576-0299050.ZXNV	299050	F	50	32	1.50	1.40	1.29	1.19
576-0299060.ZXNV	299060	F	60	32	1.50	1.40	1.29	1.19
576-0299070.ZXNV	299070	F	70	32	2.71	2.52	2.33	2.15
576-0299080.ZXNV	299080	F	80	32	2.71	2.52	2.33	2.15

495 SERIES JCASE® SLO-BLO® AUTOMOTIVE CARTRIDGE FUSE

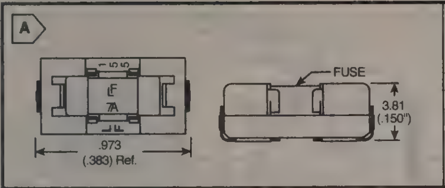
The JCASE® cartridge fuse is the new global standard for Slo-Blo fuses for automotive applications. They are designed to increase the reliability of customer's modules by putting the box-contact in the fuse, instead of in the module. The JCASE® Series is rated to 125°C ambient.

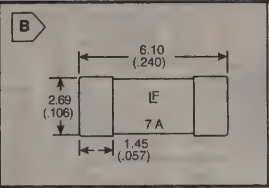
For quantities of 500 and up, call for quote.

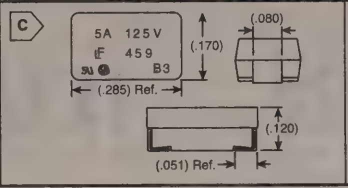
MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Color	Amp (A)	Volts (V)	Price Each			
						1	10	100	250
576-495020.Z	495020.Z	G	Blue	20	32	2.88	2.51	2.30	2.16
576-495025.Z	495025.Z	G	White	25	32	2.88	2.51	2.30	2.16
576-495030.Z	495030.Z	G	Pink	30	32	2.88	2.51	2.30	2.16
576-495040.Z	495040.Z	G	Green	40	32	2.88	2.51	2.30	2.16
576-495050.Z	495050.Z	G	Red	50	32	2.88	2.51	2.30	2.16
576-495060.Z	495060.Z	G	Yellow	60	32	2.88	2.51	2.30	2.16

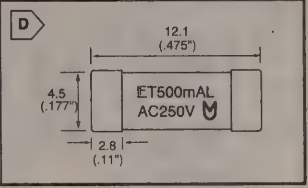
RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm (in.)


A


B


C


D

SMF OMNI-BLOK® FUSE HOLDER WITH FUSES

The SMF Omni-Blok® Fuseholder permits quick and easy replacement of Nano_® SMF surface mount fuses. The fuse block and pre-installed fuse combination can be placed on the PC board in one efficient manufacturing operation. Fuse replacement is accomplished without exposing the PC board to the detrimental effects of solder heat.

154 Series-Very Fast Acting Fuses

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0154.062DR	154.062	A	0.062	125	2.38	2.22	2.06	1.89
576-0154.125DR	154.125	A	0.125	125	2.38	2.22	2.06	1.89
576-0154.250DR	154.250	A	0.25	125	2.27	2.11	1.96	1.80
576-0154.500DR	154.500	A	0.5	125	2.27	2.11	1.96	1.80
576-0154.750DR	154.750	A	0.75	125	1.49	1.34	1.19	1.09
576-0154001.DR	154001	A	1	125	1.49	1.34	1.19	1.09
576-015401.5DR	15401.5	A	1.5	125	1.49	1.34	1.19	1.09
576-0154002.DR	154002	A	2	125	1.49	1.34	1.19	1.09
576-015402.5DR	15402.5	A	2.5	125	1.49	1.34	1.19	1.09
576-0154003.DR	154003	A	3	125	1.49	1.34	1.19	1.09
576-015403.5DR	15403.5	A	3.5	125	1.49	1.34	1.19	1.09
576-0154004.DR	154004	A	4	125	1.49	1.34	1.19	1.09
576-0154005.DR	154005	A	5	125	1.49	1.34	1.19	1.09
576-015406.3DR	15406.3	A	6.3	125	1.49	1.34	1.19	1.09
576-0154007.DR	154007	A	7	125	1.49	1.34	1.19	1.09
576-0154008.DR	154008	A	8	125	1.49	1.34	1.19	1.09
576-0154010.DR	154010	A	10	125	2.06	1.92	1.78	1.64

154T Series- SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

576-0154.375DRT	154.375	A	0.375	125	2.83	2.64	2.44	2.24
576-0154.500DRT	154.500	A	0.5	125	2.83	2.64	2.44	2.24
576-0154.750DRT	154.750	A	0.75	125	2.49	2.32	2.15	1.98
576-0154001.DRT	154001	A	1	125	2.49	2.32	2.15	1.98
576-015401.5DRT	15401.5	A	1.5	125	2.49	2.32	2.15	1.98
576-0154002.DRT	154002	A	2	125	2.49	2.32	2.15	1.98
576-015402.5DRT	15402.5	A	2.5	125	2.49	2.32	2.15	1.98
576-0154003.DRT	154003	A	3	125	2.49	2.32	2.15	1.98
576-015403.5DRT	15403.5	A	3.5	125	2.49	2.32	2.15	1.98
576-0154004.DRT	154004	A	4	125	2.49	2.32	2.15	1.98
576-0154005.DRT	154005	A	5	125	2.49	2.32	2.15	1.98

NANO²® FUSE

Specifications:

- Operating temperature: -55°C to 125°C
- Insulation resistance: 10,000 ohms min.

451 Series-Very Fast Acting Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0451.062MRL	0451.062MRL	B	0.062	125	1.58	1.51	1.44	1.37
576-0451.125MRL	0451.125MRL	B	0.125	125	1.44	1.37	1.30	1.22
576-0451.200MRL	0451.200MRL	B	0.2	125	1.57	1.50	1.43	1.36
576-0451.250MRL	0451.250MRL	B	0.25	125	1.08	.86	.67	.60
576-0451.315MRL	0451.315MRL	B	0.315	125	1.08	.86	.67	.60
576-0451.375MRL	0451.375MRL	B	0.375	125	1.08	.86	.67	.60
576-0451.400MRL	0451.400MRL	B	0.4	125	1.08	.86	.67	.60
576-0451.630MRL	0451.630MRL	B	0.63	125	1.08	.86	.67	.60
576-0451.750MRL	0451.750MRL	B	0.75	125	1.08	.86	.67	.60
576-0451.800MRL	0451.800MRL	B	0.8	125	1.08	.86	.67	.60
576-0451001.MRL	0451001.MRL	B	1	125	.78	.73	.65	.59
576-04511.25MRL	04511.25MRL	B	1.25	125	1.08	.86	.67	.60
576-045101.5MRL	045101.5MRL	B	1.5	125	1.08	.86	.67	.60
576-045101.6MRL	045101.6MRL	B	1.6	125	1.08	.86	.67	.60
576-0451002.MRL	0451002.MRL	B	2	125	.78	.73	.65	.59
576-045102.5MRL	045102.5MRL	B	2.5	125	1.08	.86	.67	.60
576-0451003.MRL	0451003.MRL	B	3	125	.78	.73	.65	.59
576-04513.15MRL	04513.15MRL	B	3.15	125	1.08	.86	.67	.60
576-045103.5MRL	045103.5MRL	B	3.5	125	1.08	.86	.67	.60
576-0451004.MRL	0451004.MRL	B	4	125	1.08	.86	.67	.60
576-0451005.MRL	0451005.MRL	B	5	125	.78	.73	.65	.59
576-045106.3MRL	045106.3MRL	B	6.3	125	1.08	.86	.67	.60
576-0451007.MRL	0451007.MRL	B	7	125	1.08	.86	.67	.60
576-0451008.MRL	0451008.MRL	B	8	125	1.08	.86	.67	.60
576-0451010.MRL	0451010.MRL	B	10	125	.78	.73	.65	.59

452 Series- SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

576-0452.375MRL	0452.375MRL	B	0.375	125	1.47	1.41	1.36	1.09
576-0452.500MRL	0452.500MRL	B	0.5	126	1.28	1.12	.97	.86
576-0452.750MRL	0452.750MRL	B	0.75	127	1.47	1.41	1.36	1.09
576-0452001.MRL	0452001.MRL	B	1	128	1.28	1.12	.97	.86
576-045201.5MRL	045201.5MRL	B	1.5	133	1.28	1.12	.97	.86
576-0452002.MRL	0452002.MRL	B	2	129	1.28	1.12	.97	.86
576-045202.5MRL	045202.5MRL	B	2.5	134	1.47	1.41	1.36	1.09
576-0452003.MRL	0452003.MRL	B	3	130	1.28	1.12	.97	.86
576-045203.5MRL	045203.5MRL	B	3.5	135	1.47	1.41	1.36	1.09
576-0452004.MRL	0452004.MRL	B	4	131	1.28	1.12	.97	.86
576-0452005.MRL	0452005.MRL	B	5	132	1.28	1.12	.97	.86

NANO²® FUSE (CONT.)

453 Series NANO2® Very Fast-Acting Subminiature Surface Mount Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0453.250MR	453.250	B	0.25	125	.92	.86	.79	.73
576-0453.375MR	453.375	B	0.375	125	.92	.86	.79	.73
576-0453.500MR	453.500	B	0.5	125	.92	.86	.79	.73
576-0453.750MR	453.750	B	0.75	125	.92	.86	.79	.73
576-0453001.MR	453001	B	1	125	.92	.86	.79	.73
576-0453003.MR	453003	B	3	125	.92	.86	.79	.73
576-0453005.MR	453005	B	5	125	.92	.86	.79	.73
576-0453007.MR	453007	B	7	125	.92	.86	.79	.73
576-0453008.MR	453008	B	8	125	.92	.86	.79	.73
576-0453010.MR	453010	B	10	125	1.46	1.36	1.26	1.15
576-0453015.MR	453015	B	15	65	1.46	1.36	1.26	1.15
576-045302.5MR	45302.5	B	2.5	125	.92	.86	.79	.73
576-045303.5MR	45303.5	B	3.5	125	.92	.86	.79	.73

PICO® SMF FUSE

Specifications:

- Operating temperature: -55°C to 125°C
- Insulation resistance: 10,000 ohms min.

R459 Series-Very Fast Acting

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0459.125UR	459.125	C	0.125	125	1.28	1.19	.89	.71
576-0459.250UR	459.250	C	0.25	125	1.28	1.19	.89	.71
576-0459.375UR	459.375	C	0.375	125	1.28	1.19	.89	.71
576-0459.500UR	459.500	C	0.5	125	.95	.88	.66	.53
576-0459.750UR	459.750	C	0.75	125	.95	.88	.66	.53
576-0459001.UR	459001	C	1	125	.95	.88	.66	.53
576-045901.5UR	45901.5	C	1.5	125	.95	.88	.66	.53
576-0459002.UR	459002	C	2	125	.95	.88	.66	.53
576-045902.5UR	45902.5	C	2.5	125	.95	.88	.66	.53
576-0459003.UR	459003	C	3	125	.95	.88	.66	.53
576-045903.5UR	45903.5	C	3.5	125	.95	.88	.66	.53
576-0459004.UR	459004	C	4	125	.95	.88	.66	.53
576-0459005.UR	459005	C	5	125	.95	.88	.66	.53

R460 Series- SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0460.375UR	460.375	C	0.375	125	2.02	1.87	1.41	1.12
576-0460.500UR	460.500	C	0.5	125	2.02	1.87	1.41	1.12
576-0460.750UR	460.750	C	0.75	125	2.02	1.87	1.41	1.12
576-0460001.UR	460001	C	1	125	2.02	1.87	1.41	1.12
576-046001.5UR	46001.5	C	1.5	125	2.02	1.87	1.41	1.12
576-0460002.UR	460002	C	2	125	2.02	1.87	1.41	1.12
576-046002.5UR	46002.5	C	2.5	125	2.02	1.87	1.41	1.12
576-0460003.UR	460003	C	3	125	2.02	1.87	1.41	1.12
576-046003.5UR	46003.5	C	3.5	125	2.02	1.87	1.41	1.12
576-0460004.UR	460004	C	4	125	2.02	1.87	1.41	1.12
576-0460005.UR	460005	C	5	125	2.02	1.87	1.41	1.12

NANO 250V UMF TIME LAG FUSES

465 Series

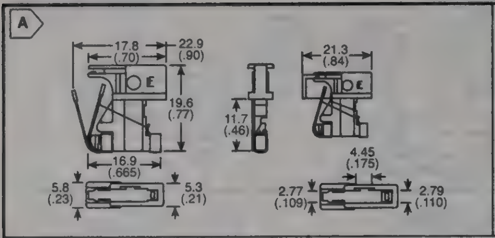
For quantities of 500 and up, call for quote.

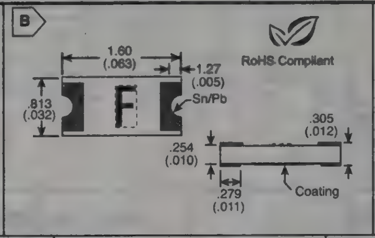
MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0465001.DR	0465001.DR	D	1	250	.92	.84	.77	.70
576-04651.25DR	04651.25DR	D	1.25	250	.80	.70	.64	.61
576-046501.6DR	046501.6DR	D	1.6	250	.80	.70	.64	.61
576-0465002.DR	0465002.DR	D	2	250	.80	.70	.64	.61
576-046502.5DR	046502.5DR	D	2.5	250	.80	.70	.64	.61
576-04653.15DR	04653.15DR	D	3.15	250	.92	.84	.77	.70
576-0465004.DR	0465004.DR	D	4	250	.80	.70	.64	.61
576-0465005.DR	0465005.DR	D	5	250	.80	.70	.64	.61
576-046506.3DR	046506.3DR	D	6.3	250	.80	.70	.64	.61

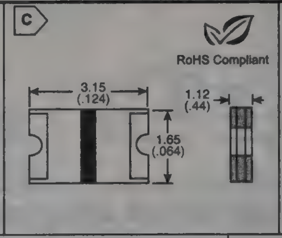
LITTELFUSE Fuses

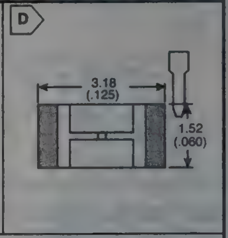
Products may be RoHS compliant. Check mouser.com for RoHS status.

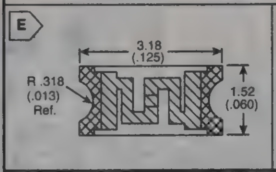
DIMENSIONS: mm (in.)

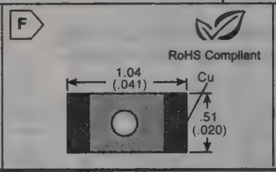


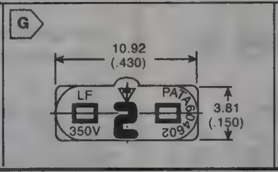


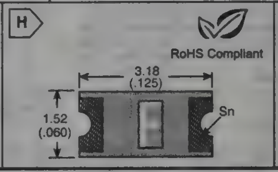


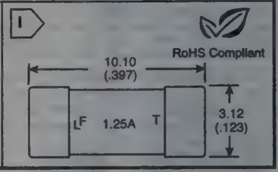












481 SERIES INDICATING / ALARM FAST-ACTING FUSES

Specifications:

- Indicator flag: color-coded to indicate amp rating
- Body: black phenolic with UL 94V0 flammability rating
- Contacts: bright alloy-plated beryllium copper
- Voltage rating: 125VAC, 60VDC

For telecommunications equipment and similar applications.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0481.180H	481.180	A	0.18	125	1.86	1.73	1.60	1.47
576-0481.250H	481.250	A	0.25	125	1.86	1.73	1.60	1.47
576-0481.500H	481.500	A	0.5	125	1.86	1.73	1.60	1.47
576-0481.750H	481.750	A	0.75	125	1.86	1.73	1.60	1.47
576-0481001.H	481001	A	1	125	1.86	1.73	1.60	1.47
576-04811.33H	4811.33	A	1.33	125	1.86	1.73	1.60	1.47
576-048101.5H	48101.5	A	1.5	125	1.86	1.73	1.60	1.47
576-0481002.H	481002	A	2	125	1.86	1.73	1.60	1.47
576-0481003.H	481003	A	3	125	1.86	1.73	1.60	1.47
576-048103.5H	48103.5	A	3.5	125	1.86	1.73	1.60	1.47
576-0481004.H	481004	A	4	125	1.86	1.73	1.60	1.47
576-0481005.H	481005	A	5	125	1.86	1.73	1.60	1.47
576-048107.5H	48107.5	A	7.5	125	1.86	1.73	1.60	1.47
576-0481010.H	481010	A	10	125	1.86	1.73	1.60	1.47
576-0481015.H	481015	A	15	125	1.86	1.73	1.60	1.47
576-0481020.H	481020	A	20	125	3.10	2.89	2.67	2.46

SLIMLINE™ 0603 FUSE

Specifications:

- Operating temperature: -55°C to 125°C
- Insulation resistance: 10,000 ohms min.

434 Series-Very Fast Acting

For quantities of 500 and up, call for quote.

576-0434.250NRP	434.250	B	0.25	32	.95	.88	.82	.75
576-0434.375NRP	434.375	B	.375	32	.95	.88	.82	.75
576-0434.500NRP	434.500	B	0.5	32	.95	.88	.82	.75
576-0434.750NRP	434.750	B	0.75	32	.95	.88	.82	.75
576-0434001.NRP	434001	B	1	32	.95	.88	.82	.75
576-043401.5NRP	43401.5	B	1.5	32	.95	.88	.82	.75
576-0434002.NRP	434002	B	2	32	.95	.88	.82	.75
576-043402.5NRP	43402.5	B	2.5	32	.95	.88	.82	.75
576-0434003.NRP	434003	B	3	32	.95	.88	.82	.75
576-043403.5NRP	43403.5	B	3.5	32	.95	.88	.82	.75
576-0434004.NRP	434004	B	4	32	.95	.88	.82	.75
576-0434005.NRP	434005	B	5	32	.95	.88	.82	.75

SLIMLINE™ 1206 FUSE

1206L Series Resettable PTC's

For quantities of 500 and up, call for quote.

576-1206L020YRT	1206L020	C	0.2	15	.40	.36	.33	.31
576-1206L025YRT	1206L025	C	0.25	15	.61	.56	.52	.48
576-1206L035YRT	1206L035	C	0.35	6	.61	.56	.52	.48
576-1206L050WRT	1206L050	C	0.5	6	.61	.56	.52	.48
576-1206L075WRT	1206L075	C	0.75	6	.61	.56	.52	.48
576-1206L110WRT	1206L110	C	1.1	6	.61	.56	.52	.48
576-1206L150WRT	1206L150	C	1.5	6	.40	.38	.36	.34
576-1206L160WRT	1206L160	C	1.6	6	.61	.56	.52	.48

429 Series Very Fast Acting Surface Mount Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0429.125WRM	429.125	D	0.125	125	.96	.89	.83	.76
576-0429.200WRM	429.200	D	0.2	125	.79	.73	.68	.63
576-0429.250WRM	429.250	D	0.25	125	.79	.73	.68	.63
576-0429.375WRM	429.375	D	0.375	125	.79	.73	.68	.63
576-0429.500WRM	429.500	D	0.5	63	.79	.73	.68	.63
576-0429.750WRM	429.750	D	0.75	63	.79	.73	.68	.63
576-0429001.WRM	429001	D	1	63	.79	.73	.68	.63
576-04291.25WRM	4291.25	D	1.25	63	.79	.73	.68	.63
576-042901.5WRM	42901.5	D	1.5	63	.79	.73	.68	.63
576-0429002.WRM	429002	D	2	63	.79	.73	.68	.63
576-042902.5WRM	42902.5	D	2.5	32	.79	.73	.68	.63
576-0429003.WRM	429003	D	3	32	.79	.73	.68	.63
576-0429004.WRM	429004	D	4	24	.79	.73	.68	.63
576-0429005.WRM	429005	D	5	24	.79	.73	.68	.63
576-0429007.WRM	429007	D	7	24	.73	.64	.57	.52

SLIMLINE™ 1206 FUSE (CONT.)

430 Series - SLO-BLO® Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0430.500WR	430.500	E	0.5	63	.79	.70	.67	.63
576-0430001.WR	430001	E	1	63	1.14	1.06	.98	.90
576-043001.5WR	43001.5	E	1.5	63	1.14	1.06	.98	.90
576-0430002.WR	430002	E	2	63	.79	.70	.67	.63
576-0430003.WR	430003	E	3	32	1.14	1.06	.98	.90

433 Series- Very Fast Acting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	* Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0433.125NR	433.125	B	0.125	125	.75	.70	.65	.60
576-0433.250NR	433.250	B	0.25	125	.75	.70	.65	.60
576-0433.375NR	433.375	B	0.375	125	.75	.70	.65	.60
576-0433.500NR	433.500	B	0.5	63	.75	.70	.65	.60
576-0433.750NR	433.750	B	0.75	63	.75	.70	.65	.60
576-0433.800NR	433.800	B	0.8	63	.75	.70	.65	.60
576-0433001.NR	433001	B	1	63	.75	.70	.65	.60
576-04331.25NR	4331.25	B	1.25	24	.57	.55	.52	.49
576-043301.5NR	43301.5	B	1.5	24	.75	.70	.65	.60
576-0433002.NR	433002	B	2	63	.75	.70	.65	.60
576-043302.5NR	43302.5	B	2.5	24	.75	.70	.65	.60
576-0433003.NR	433003	B	3	32	.75	.70	.65	.60
576-0433004.NR	433004	B	4	24	.69	.64	.59	.55
576-0433005.NR	433005	B	5	24	.69	.64	.59	.55

* Dimensions larger than shown, by factor of two.

435 Series Lead Free VFA Surface Mount Fuses

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Amp (A)	Volts (V)	Price Each			
					1	10	100	250
576-0435.250KR	435.250	F	0.25	24	.71	.68	.65	.62
576-0435.500KR	435.500	F	0.5	24	.71	.68	.65	.62
576-0435002.KR	435002	F	2	24	.71	.68	.65	.62

446 Series Fast Acting Surface Mount Fuses

For quantities of 500 and up, call for quote.

576-0446002.ZR	446002	G	2	350	.77	.72	.67	.61
576-0446003.ZR	446003	G	3	350	.77	.72	.67	.61
576-044607.5ZR	44607.5	G	7.5	350	.77	.72	.67	.61
576-0446010.ZR	446010	G	10	350	.77	.72	.67	.61

466 Series VFA Surface Mount Fuses

For quantities of 500 and up, call for quote.

576-0466.125NR	466.125	H	0.125	125	.74	.68	.51	.46
576-0466.500NR	466.500	H	0.5	63	.74	.68	.51	.46
576-0466.750NR	466.750	H	0.75	63	.74	.68	.51	.46
576-0466002.NR	466002	H	2	63	.65	.59	.53	.49
576-046602.5NR	46602.5	H	2.5	32	.74	.68	.51	.46
576-0466003.NR	466003	H	3	32	.74	.68	.51	.46
576-0466004.NR	466004	H	4	24	.74	.68	.51	.46
576-0466005.NR	466005	H	5	24	.65	.59	.53	.49

461 Series NANO TELELINK Surface Mount Fuses

For quantities of 500 and up, call for quote.

576-0461.500ER	461.500	I	0.5	600	1.60	1.48	1.12	.89
576-04611.25ER	4611.25	I	1.25	600	1.01	.80	.75	.73
576-0461002.ER	461002	I	2	600	1.60	1.48	1.12	.89

467 Series VFA Surface Mount Fuses

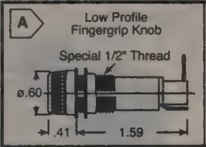
For quantities of 500 and up, call for quote.

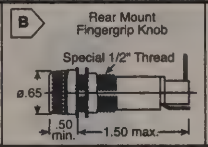
576-0467001.NR	467001	B	1	32	1.02	.94	.71	.64
576-046701.5NR	46701.5	B	1.5	32	1.02	.94	.71	.64
576-0467002.NR	467002	B	2	32	1.02	.94	.71	.64
576-0467003.NR	467003	B	3	32	1.02	.94	.71	.64
576-0467005.NR	467005	B	5	32	1.02	.94	.71	.64

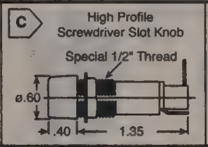
LITTELFUSE Fuse Holders

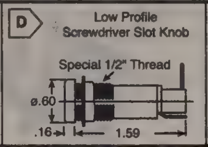
Products may be RoHS compliant.
Check mouser.com for RoHS status.

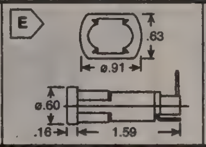
DIMENSIONS: in.

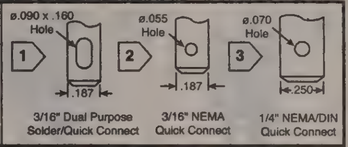

A
Low Profile
Fingergrip Knob
Special 1/2" Thread
ø.60
.41
1.59


B
Rear Mount
Fingergrip Knob
Special 1/2" Thread
ø.65
.50 min.
1.50 max.


C
High Profile
Screwdriver Slot Knob
Special 1/2" Thread
ø.60
.40
1.35


D
Low Profile
Screwdriver Slot Knob
Special 1/2" Thread
ø.60
.16
1.59


E
.63
ø.91
ø.60
.16
1.59


ø.090 x .160 Hole
1
.187
3/16" Dual Purpose Solder/Quick Connect
ø.055 Hole
2
.187
3/16" NEMA Quick Connect
ø.070 Hole
3
.250
1/4" NEMA/DIN Quick Connect

LITTELFUSE INTERNATIONAL SHOCK-SAFE FUSE HOLDERS

RoHS Compliant

For quantities of 500 and up, call for quote.

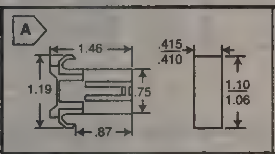
For 5mm x 20mm Fuses, Right Angle Terminals

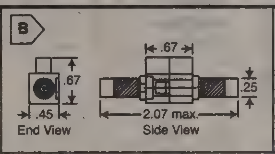
MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Terminal Type	Size	Price Each			
					1	10	100	250
576-03455LF1H	03455LF1H	A	1	3/16"	2.01	1.83	1.66	1.51
576-03455LF3H	03455LF3H	A	2	3/16"	2.82	2.62	2.43	2.23
576-03455LF7H	03455LF7H	A	3	1/4"	2.82	2.62	2.43	2.23
576-03455RF1H	03455RF1H	B	1	3/16"	2.82	2.62	2.43	2.23
576-03455RF3H	03455RF3H	B	2	3/16"	2.96	2.76	2.56	2.35
576-03455RF7H	03455RF7H	B	3	1/4"	2.96	2.76	2.56	2.35
576-03455HS1H	03455HS1H	C	1	3//16"	2.50	2.33	2.16	1.98
576-03455HS3H	03455HS3H	C	2	3/16"	2.82	2.62	2.43	2.23
576-03455HS7H	03455HS7H	C	3	1/4"	2.82	2.62	2.43	2.23
576-03455LS1H	03455LS1H	D	1	3/16"	2.50	2.33	2.16	1.98
576-03455LS3H	03455LS3H	D	2	3/16"	2.82	2.62	2.43	2.23
576-03455LS7H	03455LS7H	D	3	1/4"	2.82	2.62	2.43	2.23
576-03455QS3H	03455QS3H	E	2	3/16"	2.96	2.76	2.56	2.35
576-03455QS7H	03455QS7H	E	3	1/4"	2.96	2.76	2.56	2.35

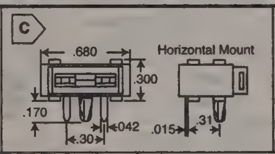
For 3ag Fuses, Right Angle Terminals

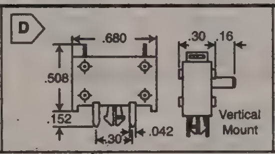
For quantities of 500 and up, call for quote.

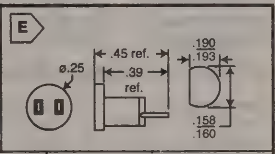
MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Terminal Type	Size	Price Each			
					1	10	100	250
576-03453LF1H	03453LF1H	A	1	3/16"	1.87	1.70	1.55	1.41
576-03453LF3H	03453LF3H	A	2	3/16"	2.50	2.32	2.15	1.98
576-03453LF7H	03453LF7H	A	3	1/4"	2.50	2.32	2.15	1.98
576-03453RF1H	03453RF1H	B	1	3/16"	2.50	2.32	2.15	1.98
576-03453RF3H	03453RF3H	B	2	3/16"	2.65	2.47	2.28	2.10
576-03453RF7H	03453RF7H	B	3	1/4"	2.65	2.47	2.28	2.10
576-03453HS1H	03455HS1H	C	1	3/16"	2.34	2.18	2.02	1.85
576-03453HS3H	03455HS3H	C	2	3/16"	2.50	2.32	2.15	1.98
576-03453HS7H	03455HS7H	C	3	1/4"	2.50	2.32	2.15	1.98
576-03453LS1H	03453LS1H	D	1	3/16"	2.34	2.18	2.02	1.85
576-03453LS3H	03453LS3H	D	2	3/16"	2.50	2.32	2.15	1.98
576-03453LS7H	03453LS7H	D	3	1/4"	2.50	2.32	2.15	1.98
576-03453QS3H	03453QS3H	E	2	3/16"	2.65	2.47	2.28	2.10
576-03453QS7H	03453QS7H	E	3	1/4"	2.65	2.47	2.28	2.10

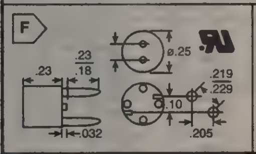

A
1.46
.415
.410
1.19
.75
1.10
1.06
.87

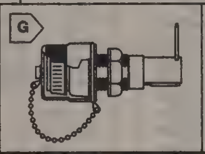

B
.67
.67
.25
.45
End View
2.07 max.
Side View

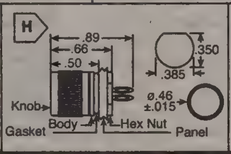

C
.680
Horizontal Mount
.300
.170
.042
.30
.015
.31

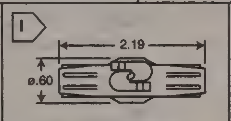

D
.680
.30
.16
.508
.152
.30
.042
Vertical Mount


E
ø.25
.45 ref.
.39 ref.
.190
.193
.158
.160

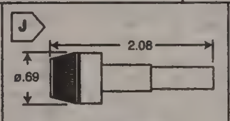

F
.23
.18
.23
ø.25
.219
.229
.10
.032
.205



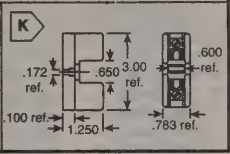

H
.89
.66
.50
.350
.385
ø.46
±.015
Knob
Gasket
Body
Hex Nut
Panel



155120U Illustrated



155020U Illustrated


K
.172 ref.
.650
3.00 ref.
.600 ref.
.100 ref.
1.250
.783 ref.

DIMENSIONS: in.

LITTELFUSE FUSE HOLDERS

In-Line Fuseholder for ATO® Fuses

RoHS Compliant

Specifications:

- Ambient temperature: -40°C to +85°C
- Body: Black thermoplastic
- Terminals: Brass, tin plated, snap into body

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Description	Price Each			
				1	10	100	250
576-01550300Z	01550300Z	A	8" 14AWG Wire	1.45	1.35	1.25	1.15
576-01550400Z	01550400Z	A	8" 10AWG Wire	2.11	1.97	1.82	1.67

In-Line Easy Crimp Fuseholder for Mini Fuses

RoHS Compliant

Specifications:

- Ambient temperature: -40°C to +105°C
- Body: Black thermoplastic
- Terminals: Copper alloy, tin plated

For quantities of 2000 and up, call for quote.

576-01530002Z	01530002Z	B	Accepts 16-22AWG Stranded	1.25	.91	.80	.73
576-01530003Z	01530003Z	B	Accepts 10-14AWG Stranded	1.25	.91	.80	.73

PC Board Mount Fuse Holders for Mini Fuses

RoHS Compliant

Specifications:

- Ambient Temperature -40°C to +85°C
- Body: Black Thermoplastic, Terminals: Copper Alloy, Tin Plated
- Compatibility: Standard 0.62" PCB Thickness

For quantities of 2000 and up, call for quote.

576-01530007Z	01530007Z	C	Horizontal Mount	1.33	1.23	1.14	1.05
576-01530009Z	01530009Z	D	Stackable Vertical Mount	1.33	1.23	1.14	1.05

Micro Fuse/PICO II 281 Series PCB Fuse Holder

RoHS Compliant

Specifications:

- Ambient Temperature -40°C to +100°C
- Terminals: Silver plated, Copper Alloy

For quantities of 2000 and up, call for quote.

576-02810001H	02810001H	E	Blk Thermoplastic Chassis Mt	2.21	2.05	1.90	1.75
576-02810005H	02810005H	F	White Thermoplastic, PCB Mt	1.97	1.84	1.70	1.57
576-02810007H	02810007H	-	Wht Thermoplstic, R/A, PCB Mt	1.97	1.84	1.70	1.57

Panel Mount RF Shielded/Watertight Holders for 3AG Fuses

RoHS Compliant

For quantities of 2000 and up, call for quote.

576-03400267Z	340267	G	3AG Mil	39.48	36.76	34.04	31.31
576-03400312Z	340312	G	Shock Safe	29.39	27.36	25.34	23.31
576-03400313Z	340313	G	Shock Safe	29.39	27.36	25.34	23.31

RF Shielded 282 Series Micro Fuse Holder

RoHS Compliant

Specifications:

- Housing, Knob, and Hardware: Aluminum, untreated
- Chromate finish for RF shielding
- Panel thickness (max): .093

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Description	Price Each			
				1	10	100	250
576-02820001Z	02820001Z	H	Front Panel Mount	13.09	12.19	11.29	10.38
576-02820002Z	02820002Z	H	Rear Panel Mount	13.09	12.19	11.29	10.38

Twist-Lock In-Line Fuse Holder

RoHS Compliant

Specifications:

- Body: Black Thermoplastic
- Ambient Temperature: -40°C to +75°C
- 155120 for 3AG type fuse, 155100 comes with 2 different springs for SFE sized fuses.

For quantities of 2000 and up, call for quote.

576-01500215Z	015002157	I	Twist-Lock in Line	3.55	3.30	3.06	2.81
576-01550120ZXU	01550120ZXU	I	Rivets for up to 14 AWG wire	.63	.58	.54	.50
576-01550100Z	01550100Z	I	8" Loop 14AWG Red Insl.Wire	2.16	2.01	1.86	1.71

Heavy-Duty Bayonet Knob In-Line Fuse Holder

RoHS Compliant

Specifications:

- Body: Black Thermoplastic
- Ambient Temperature: -40°C to +125°C
- 155020 for 3AG type fuse, 155145 comes with 2 different springs for SFE sized fuses

For quantities of 2000 and up, call for quote.

576-01550020ZXU	01550020ZXU	J	Rivets for up to 14 AWG wire	1.33	1.23	1.14	1.05
576-01500145Z	01500145Z	J	15" Loop14AWG Red Insl.Wire	2.87	2.67	2.47	2.27

Fuse Blocks for Midget Series Fuses

Features:

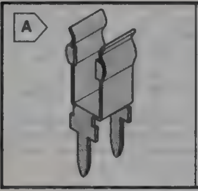
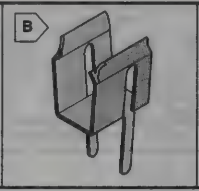
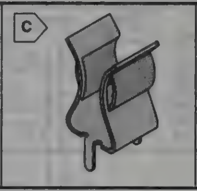
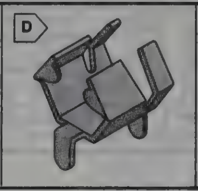
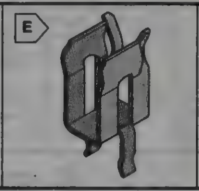
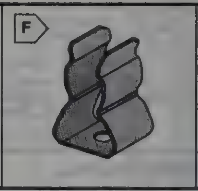
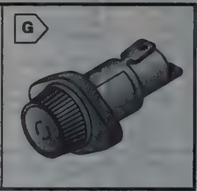
- Fits .406" x 1.5" (10.31mm x 38.1mm)
- 600 Volt Rating
- Interlocking features allow multiple pole capability
- Max. Wire Size: Box lug #6cu, screw #10cu

For quantities of 1000 and up, call for quote.

576-L60030M1C	L60030M1C	K	Box Lug, 1 Pole, 30A	10.44	9.97	9.49	9.02
576-L60030M2C	L60030M2C	K	Box Lug, 2 Poles, 30A	20.59	19.65	18.72	17.78
576-L60030M3C	L60030M3C	K	Box Lug, 3 Poles, 30A	31.23	29.81	28.39	26.97
576-L60030M1SQ	L60030M1SQ	K	Screw Term, 1 Pole, 20A	4.67	4.46	4.24	4.03
576-L60030M3SQ	L60030M3SQ	K	Screw Term, 2 Poles, 20A	10.78	10.29	9.80	9.31

LITTELFUSE Fuse Clips, Holders and Blocks

Products may be RoHS compliant.
Check mouser.com for RoHS status.

A

B

C

D

E

F

G


FUSE CLIPS

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Mount Method	Fuse Type	Fuse Mounting	Price Each 1	10	100	250
576-01000054H	100054	A	PC	3AG/3AB	Cartridge	.24	.22	.21	.19
576-01000056H	100056	A	PC	3AG/3AB	Cartridge	.20	.18	.15	.14
576-01010001H	101001	A	Rivet/Eyelet	3AG/3AB	Cartridge	.15	.14	.13	.12
576-01010002H	101002	A	Rivet/Eyelet	3AG/3AB	Cartridge	.19	.17	.16	.15
576-01210002H	121002	A	Rivet/Eyelet	3AG/3AB	Cartridge	1.39	1.29	1.20	1.10
576-01000058N	100058	B	PC	3AG/3AB	Axial/Radial	.19	.18	.17	.15
576-01020071H	102071	C	PC	3AG/3AB	Cartridge	.15	.14	.11	.10
576-01020074H	102074	C	PC	3AG/3AB	Cartridge	.19	.16	.15	.13
576-01220083H	122083	C	PC	3AG/3AB	Cartridge	.55	.51	.43	.38
576-01220088H	122088	C	PC	3AG/3AB	Cartridge	.45	.42	.39	.36
576-01250001H	125001	F	PC	3AG/3AB	Cartridge	1.19	1.10	1.02	.94
576-01020080H	102080	D	Rivet/Eyelet	NEC	Cartridge	.19	.17	.16	.15
576-01220090N	122090	D	Rivet/Eyelet	NEC	Cartridge	.50	.47	.44	.40
576-01270001H	127001	D	Rivet/Eyelet	NEC	Cartridge	3.29	3.06	2.83	2.61
576-01110501H	111501	E	PC	5x20mm	Axial/Radial	.19	.18	.15	.13
576-01110506H	111506	E	PC	5x20mm	Axial/Radial	.35	.33	.27	.24
576-01070002H	107002	F	Rivet/Eyelet	NEC	Cartridge	.75	.69	.64	.59

571 SERIES PANEL MOUNT FUSE HOLDERS

Specifications:
- 4000 V dielectric strength
- Black Thermoplastic
- Fuse Diameter 13/32"
- Rejection Feature

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	Fig.	Type	Amp Rating	Voltage Rating	Fuse Mounting	Price Each 1	10	100	250
576-05710007L	571007	G	Standard	30	600	1 13/32" - 1 1/2"	6.51	6.06	5.61	5.16
576-05710007LXP	571007P	G	Watertight	30	600	1 13/32" - 1 1/2"	7.88	7.34	6.80	6.25
576-05710008L	571008	G	Standard	30	600	1 13/32" - 1 1/2"	6.51	6.06	5.61	5.16
576-05710008LXP	571008P	G	Watertight	30	600	1 13/32" - 1 1/2"	7.88	7.34	6.80	6.25
576-05710027L	571027	G	Standard	20	600	1 5/18" - 1 3/8"	7.13	6.64	6.15	5.66
576-05710027LXP	571027P	G	Watertight	20	600	1 5/18" - 1 3/8"	8.46	7.87	7.29	6.71
576-05710028L	571028	G	Standard	20	600	1 5/18" - 1 3/8"	6.51	6.06	5.61	5.16
576-05710028LXP	571028P	G	Watertight	20	600	1 5/18" - 1 3/8"	7.88	7.34	6.80	6.25
576-057100CCL	5710CC	G	Standard	30	600	1 1/2"	8.18	7.62	7.06	6.49
576-057100CCLXP	5710CCP	G	Watertight	30	600	1 1/2"	9.52	8.86	8.21	7.55
576-05710RCCL	571RCC	G	Standard	30	600	1 1/2"	8.18	7.62	7.06	6.49
576-05710RCCLXP	571RCCP	G	Watertight	30	600	1 1/2"	9.52	8.86	8.21	7.55

CLASS T FUSE BLOCKS

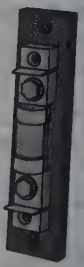
Features:
- Bases are molded phenolic. To provide a low resistance connection and long-range reliability, steel reinforcing springs are supplied as standard. Larger blocks employ an integral heat sink for maximum heat dissipation.

E14721

LR73091

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Littelfuse Part No.	No. of poles.	Amp Rating	Connector Type	Price Each 1	10	100	250
300V								
576-LT300302CR	LT30030-2CR	2	30	Box Lug	26.63	25.42	24.21	23.00
576-LT300302SR	LT30030-2SR	2	30	Screw	21.15	20.19	19.23	18.27
576-LT300303CR	LT30030-3CR	3	30	Box Lug	37.93	36.21	34.48	32.76
576-LT300602CR	LT30060-2CR	2	60	Box Lug	24.78	23.66	22.53	21.40
576-LT300603CR	LT30060-3CR	3	60	Box Lug	33.80	32.27	30.73	29.19
576-LT300604CR	LT30060-4CR	4	60	Box Lug	45.19	43.14	41.08	39.03
576-LT301001C	LT30100-1C	1	100	Box Lug	32.07	30.61	29.15	27.69
576-LT301002C	LT30100-2C	2	100	Box Lug	62.24	59.41	56.58	53.75
576-LT301003C	LT30100-3C	3	100	Box Lug	91.67	87.50	83.33	79.17
576-LT302001C	LT30200-1C	1	200	Box Lug	86.61	82.68	78.74	74.80
576-LT304001C	LT30400-1C	1	400	Box Lug	126.93	121.16	115.39	109.62
576-LT306001C	LT30600-1C	1	600	Box Lug	202.88	193.66	184.44	175.22
600V								
576-LT600301CR	LT60030-1CR	1	30	Box Lug	14.07	13.43	12.79	12.15
576-LT600301SR	LT60030-1SR	1	30	Screw	12.31	11.75	11.19	10.63
576-LT600302CR	LT60030-2CR	2	30	Box Lug	27.15	25.92	24.68	23.45
576-LT600302SR	LT60030-2SR	2	30	Screw	21.76	20.77	19.78	18.79
576-LT600303CR	LT60030-3CR	3	30	Box Lug	35.36	33.75	32.14	30.54
576-LT600303SR	LT60030-3SR	3	30	Screw	29.45	28.11	26.77	25.43
576-LT600601CR	LT60060-1CR	1	60	Box Lug	13.69	13.07	12.44	11.82
576-LT600602CR	LT60060-2CR	2	60	Box Lug	28.95	27.64	26.32	25.01
576-LT600603CR	LT60060-3CR	3	60	Box Lug	36.71	35.04	33.37	31.71
576-LT601001C	LT60100-1C	1	100	Box Lug	44.20	42.19	40.18	38.17
576-LT601002C	LT60100-2C	2	100	Box Lug	86.93	82.98	79.03	75.08
576-LT601003C	LT60100-3C	3	100	Box Lug	115.14	109.91	104.67	99.44
576-LT602001C	LT60200-1C	1	200	Box Lug	91.35	87.20	83.05	78.89
576-LT604001C	LT60400-1C	1	400	Box Lug	131.85	125.86	119.86	113.87
576-LT606001C	LT60600-1C	1	600	Box Lug	236.96	226.18	215.41	204.64



BOURNS Chip Resistor Arrays

BOURNS
Reliable Electronic Solutions

RoHS Compliant This page of product is compliant.

BOURNS CONCAVE AND CONVEX TERMINATION CHIP RESISTOR ARRAYS, LEAD FREE

Features:
- Lead free version
- Concave and convex termination style
- Resistance tolerance ±5 %
- Suitable for most types of soldering processes

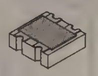
RoHS Compliant

Specifications:
- Operating temperature range: -55°C to +125°C

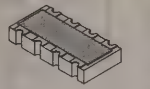
CAT10, CAY10:
- Package power rating @ 70°C: 125 mW (J4), 63 mW (J2)
- CAT 10: insulated resistors in 0804 size package
- CAY 10: 2/4 isolated resistors in 0404/0804 size package

CAT16, CAY16:
- Power rating per resistor: 62 mW
- Number of elements (isolated): 4 (J4LF), 2 (J2LF)

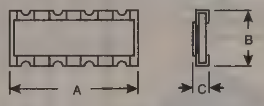
J2 Package



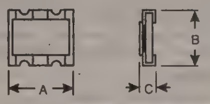
J4 Package



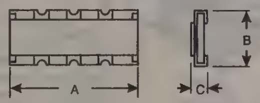
A



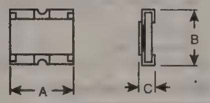
B



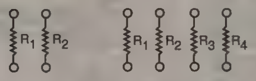
C



D



Circuit Schematics



J2 Model J4 Model

DIMENSIONS: mm (In.)

Model	A	B	C
CAT10-J4	2.0±0.10 (.079±.004)	1.0±0.10 (.039±.004)	0.4±0.15 (.015±.006)
CAY10-J4	2.0±0.10 (.079±.004)	1.0±0.10 (.040±.004)	0.35±0.10 (.014±.004)
CAT10-J2	1.00±0.10 (.040±.004)	1.0±0.10 (.040±.004)	0.35±0.10 (.014±.004)
CAT16-J4	3.20±0.20 (.126±.008)	1.60±0.20 (.063±.008)	0.50±0.10 (.020±.004)
CAY16-J4	3.20±0.20 (.126±.008)	1.60±0.20 (.063±.008)	0.50±0.10 (.020±.004)
CAT16-J2	1.60±0.15 (.032±.002)	1.60±0.15 (.063±.006)	0.60±0.15 (.024±.006)
CAY16-J2	1.60±0.15 (.063±.006)	1.60±0.15 (.063±.006)	0.50±0.10 (.020±.004)

For quantities 25,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	No. of Resistors	Element Size	Price Each					
					1	100	500	1000	5000	10000
CAT 10 Series Concave Termination Chip Resistor Arrays										
652-CAT10-000J4LF	A	0	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-3R0J4LF	A	3	4	0804	.12	.101	.094	.086	.072	.058
652-CAT10-5R1J4LF	A	5.1	4	0804	.12	.101	.094	.086	.072	.058
652-CAT10-7R5J4LF	A	7.5	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-100J4LF	A	10	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-150J4LF	A	15	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-180J4LF	A	18	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-220J4LF	A	22	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-240J4LF	A	24	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-330J4LF	A	33	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-470J4LF	A	47	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-510J4LF	A	51	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-241J4LF	A	240	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-103J4LF	A	10K	4	0804	.10	.084	.078	.072	.056	.048
652-CAT10-104J4LF	A	100K	4	0804	.10	.084	.078	.072	.056	.048
CAT16 Series Concave Termination Chip Resistor Arrays										
652-CAT16-000J4LF	A	0	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-3R0J4LF	A	3	4	1206	.09	.076	.07	.065	.054	.043
652-CAT16-100J2LF	B	10	2	0606	.09	.076	.07	.065	.054	.043
652-CAT16-100J4LF	A	10	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-220J4LF	A	22	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-220J2LF	B	22	2	0606	.09	.076	.07	.065	.054	.043
652-CAT16-270J4LF	A	27	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-330J4LF	A	33	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-470J4LF	A	47	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-510J4LF	A	51	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-560J4LF	A	56	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-680J4LF	A	68	4	1206	.09	.076	.07	.065	.054	.043
652-CAT16-750J4LF	A	75	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-101J4LF	A	100	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-151J4LF	A	150	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-221J4LF	A	220	4	1206	.18	.160	.15	.140	.12	.092
652-CAT16-271J4LF	A	270	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-331J4LF	A	330	4	1206	.18	.16	.15	.140	.12	.092
652-CAT16-431J4LF	A	430	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-471J4LF	A	470	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-102J4LF	A	1K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-152J4LF	A	1.5K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-222J4LF	A	2.2K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-272J4LF	A	2.7K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-332J4LF	A	3.3K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-472J4LF	A	4.7K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-822J4LF	A	8.2K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-103J4LF	A	10K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-203J4LF	A	20K	4	1206	.10	.084	.078	.072	.06	.048
652-CAT16-223J4LF	A	22K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-473J4LF	A	47K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-104J4LF	A	100K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-474J4LF	A	470K	4	1206	.06	.054	.05	.046	.039	.031
652-CAT16-105J4LF	A	1M	4	1206	.06	.054	.05	.046	.039	.031
CAY10 Series Convex Termination Chip Resistor Arrays										
652-CAY10-000J4LF	C	0	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-3R0J2LF	D	3	2	0404	.18	.16	.14	.13	.11	.09
652-CAY10-5R1J2LF	D	5.1	2	0404	.18	.16	.14	.13	.11	.09
652-CAY10-5R1J4LF	C	5.1	4	0804	.18	.16	.14	.13	.11	.09
652-CAY10-100J4LF	C	10	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-180J2LF	D	18	2	0404	.14	.12	.11	.10	.09	.07
652-CAY10-220J2LF	D	22	2	0404	.14	.12	.11	.10	.09	.07
652-CAY10-220J4LF	C	22	4	0804	.10	.08	.075	.07	.06	.05
652-CAY10-270J4LF	C	27	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-330J4LF	C	33	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-430J4LF	C	43	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-470J4LF	C	47	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-560J4LF	C	56	4	0804	.14	.12	.11	.10	.09	.07
CAY10 Series Convex Termination Chip Resistor Arrays (Cont.)										
652-CAY10-101J4LF	C	100	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-331J4LF	C	330	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-471J4LF	C	470	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-102J4LF	C	1K	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-222J4LF	C	2.2K	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-332J4LF	C	3.3K	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-472J4LF	C	4.7K	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-822J4LF	C	8.2K	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-103J4LF	C	10K	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-473J4LF	C	47K	4	0804	.14	.12	.11	.10	.09	.07
652-CAY10-104J4LF	C	100K	4	0804	.14	.12	.11	.10	.09	.07
CAY16 Series Convex Termination Chip Resistor Arrays										
652-CAY16-000J4LF	C	0	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-3R0J4LF	C	3	4	1206	.06	.056	.052	.048	.04	.032
652-CAY16-100J4LF	C	10	4	1206	.15	.13	.12	.12	.095	.076
652-CAY16-150J4LF	C	15	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-220J2LF	D	22	2	0606	.06	.056	.052	.048	.04	.032
652-CAY16-220J4LF	C	22	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-240J4LF	C	24	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-270J4LF	C	27	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-330J4LF	C	33	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-390J4LF	C	39	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-470J4LF	C	47	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-510J4LF	C	51	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-560J4LF	C	56	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-680J4LF	C	68	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-820J4LF	C	82	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-101J4LF	C	100	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-121J4LF	C	120	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-151J4LF	C	150	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-181J4LF	C	180	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-221J4LF	C	220	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-271J4LF	C	270	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-331J4LF	C	330	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-391J4LF	C	390	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-471J4LF	C	470	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-561J4LF	C	560	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-102J4LF	C	1K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-122J4LF	C	1.2K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-152J4LF	C	1.5K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-222J4LF	C	2.2K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-272J4LF	C	2.7K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-332J4LF	C	3.3K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-472J4LF	C	4.7K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-562J4LF	C	5.6K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-682J4LF	C	6.8K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-822J4LF	C	8.2K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-103J4LF	C	10K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-123J4LF	C	12K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-153J4LF	C	15K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-163J4LF	C	16K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-223J4LF	C	22K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-333J4LF	C	33K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-473J4LF	C	47K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-563J4LF	C	56K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-823J4LF	C	82K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-104J4LF	C	100K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-124J4LF	C	120K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-154J4LF	C	150K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-224J4LF	C	220K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-474J4LF	C	470K	4	1206	.05	.04	.037	.034	.029	.023
652-CAY16-684J4LF	C	680K	4	1206	.06	.054	.05	.046	.039	.031
652-CAY16-105J4LF	C	1M	4	1206	.05	.04	.037	.034	.029	.023

For quantities 25,000 and up, call for quote.

BOURNS Thin Film on Silicon Isolated Resistors

Reliable Electronic Solutions

2QSP/2NBS-XX1 SERIES ISOLATED

Isolated resistor networks are commonly used in digital circuits where series resistors are required on the system bus. Fabricated with Tantalum Nitride and Nickel Chromium technology on Silicon, these resistors feature excellent stability, TCR and tracking performance. This product series is available in a range of miniature package types conforming to JEDEC standards.

Features:

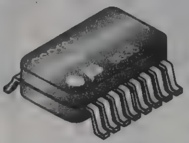
- Multiple isolated resistors
- Stable thin-film-on-silicon technology
- Ultra-miniature packages to JEDEC standards

Applications:

- Pull-up/pull-down
- Ideal for space-constrained applications

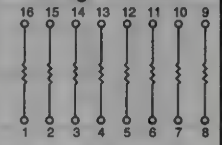
Electrical Characteristics:

- Max. TCR: 150 ppm/°C
- Max. Operating Voltage: 50V
- Operating Temperature: -55/+125°C



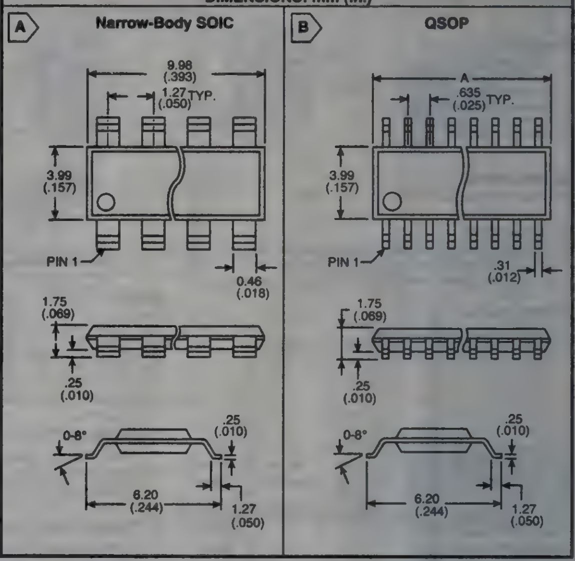
RoHS Compliant

Package Schematic


16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8

Model	A
2QSP16	4.80-4.98 (.189-.196)
2QSP20	8.56-8.74 (.337-.344)
2QSP24	8.56-8.74 (.337-.344)
2NBS16	9.80-9.98 (.386-.393)

DIMENSIONS: mm (in.)


A
Narrow-Body SOIC
9.98
(.393)
1.27
(.050)
TYP.
3.99
(.157)
PIN 1
0.46
(.018)
1.75
(.069)
.25
(.010)
0-8°
.25
(.010)
6.20
(.244)
1.27
(.050)
B
QSOP
A
.635
(.025)
TYP.
3.99
(.157)
PIN 1
.31
(.012)
1.75
(.069)
.25
(.010)
0-8°
.25
(.010)
6.20
(.244)
1.27
(.050)

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	No. of Resistors	Value Ω	Tolerance	Price Each						
						1	25	50	100	200	500	1000
Narrow-body SOIC Package												
652-2NBS16-TG1-220LF	A	16	8	22	2%	1.36	1.19	1.11	1.02	.85	.77	.68
652-2NBS16-TG1-510LF	A	16	8	51	2%	1.36	1.19	1.11	1.02	.85	.77	.68
652-2NBS16-TG1-103LF	A	16	8	10K	2%	1.36	1.19	1.11	1.02	.85	.77	.68
QSOP Package												
652-2QSP16-TJ1-330LF	B	16	8	33	5%	1.64	1.44	1.33	1.23	1.03	.92	.82
652-2QSP16-TJ1-470LF	B	16	8	47	5%	1.64	1.44	1.33	1.23	1.03	.92	.82
652-2QSP16-TJ1-101LF	B	16	8	100	5%	1.68	1.47	1.37	1.26	1.05	.84	.74
652-2QSP20-TJ1-330LF	B	20	10	33	5%	1.76	1.54	1.43	1.32	1.10	.99	.88
652-2QSP24-TJ1-330LF	B	24	12	33	5%	2.00	1.75	1.63	1.50	1.25	1.13	1.00
652-2QSP24-TJ1-272LF	B	24	12	2.7K	5%	2.00	1.75	1.63	1.50	1.25	1.13	1.00
652-2QSP24-TJ1-103LF	B	24	12	10K	5%	2.00	1.75	1.63	1.50	1.25	1.13	1.00

BOURNS Thin Film on Silicon Bussed Resistors

Reliable Electronic Solutions

2QSP/2NBS-XX2 SERIES BUSSE D

Bussed Resistor networks are typically used in DC pull-up and pull-down applications where system data of control lines must be tied to a fixed potential. Fabricated with a tantalum Nitride and Nickel Chromium on Silicon process, these resistors feature excellent stability, TCR and tracking performance. Bussed resistor networks are available in a range of miniature package types conforming to JEDEC standards.

Features:

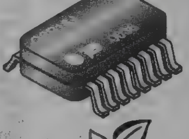
- Multiple isolated resistors
- Stable thin-film-on-silicon technology
- Ultra-miniature packages to JEDEC standards

Applications:

- Pull-up/pull-down
- Ideal for space-constrained applications

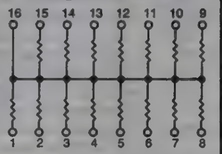
Electrical Characteristics:

- Max. TCR: 150 ppm/°C
- Max. Operating Voltage: 50V
- Operating Temperature: -55/+125°C



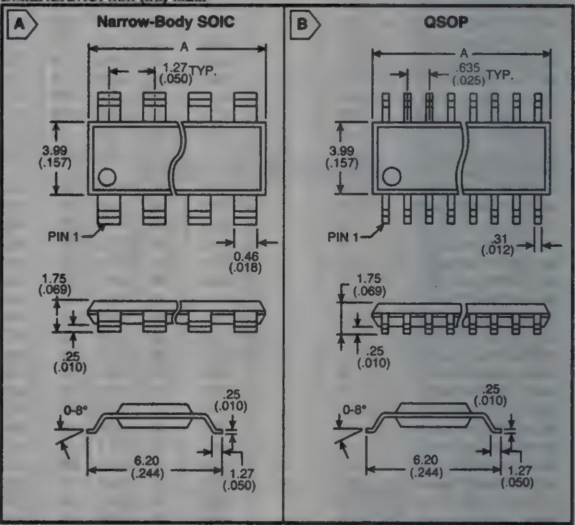
RoHS Compliant

Package Schematic


16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8

Model	A
2QSP16	4.80-4.98 (.189-.196)
2NBS16	9.80-9.98 (.386-.393)

DIMENSIONS: mm (in.) Max.


A
Narrow-Body SOIC
A
1.27
(.050)
TYP.
3.99
(.157)
PIN 1
0.46
(.018)
1.75
(.069)
.25
(.010)
0-8°
.25
(.010)
6.20
(.244)
1.27
(.050)
B
QSOP
A
.635
(.025)
TYP.
3.99
(.157)
PIN 1
.31
(.012)
1.75
(.069)
.25
(.010)
0-8°
.25
(.010)
6.20
(.244)
1.27
(.050)

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	No. of Resistors	Value Ω	Tolerance	Price Each						
						1	25	50	100	200	500	1000
Narrow-body SOIC Package												
652-2NBS16-TG2-472LF	A	16	15	4.7K	2%	1.36	1.19	1.11	1.02	.85	.77	.68
652-2NBS16-TG2-103LF	A	16	15	10K	2%	1.36	1.19	1.11	1.02	.85	.77	.68
652-2NBS16-TG2-513LF	A	16	15	51K	2%	1.36	1.19	1.11	1.02	.85	.77	.68
QSOP Package												
652-2QSP16-TJ2-102LF	B	16	15	1K	5%	1.04	1.44	1.33	1.23	1.03	.92	.82
652-2QSP16-TJ2-472LF	B	16	15	4.7K	5%	1.04	1.44	1.33	1.23	1.03	.92	.82
652-2QSP16-TJ2-103LF	B	16	15	10K	5%	1.04	1.44	1.33	1.23	1.03	.92	.82

BOURNS 2% SMD Thick Film Resistor Networks

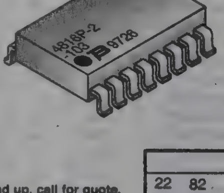
Reliable Electronic Solutions

4800P SERIES

Specifications:

- Maximum Operating Voltage: 50V
- Temperature Coefficient of Resistance: 50Ω and above = ±100ppm/°C below 50Ω = ±250ppm/°C
- Operating Temperature: -55°C to +125°C
- Insulation Resistance: 10,000 MΩ min.
- Dielectric Withstanding Voltage: 200 VRMS
- Package Power Rating at 70°C: 4816P: 1.28 watts
- Resistor Tolerance: 10 Ω to 49 Ω = ±1 Ω, 50 Ω to 5 MΩ = ±2%

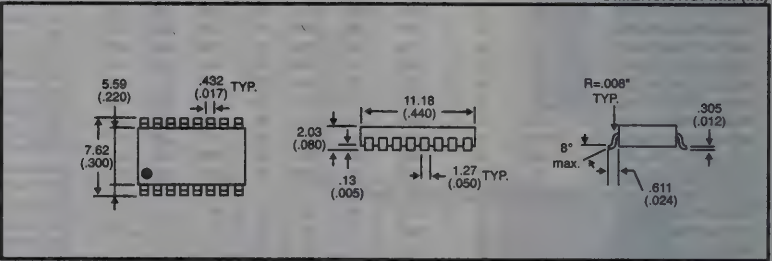
RoHS Compliant


4816P-2
103
8728

Features:

- Standard E.I.A. package compatible with automatic placement equipment
- Standard Packaging 50 per tube
- Marking on contrasting background for permanent identification
- Compliant leads to reduce solder joint fatiguing
- Standard electrical schematics: isolated, bussed

DIMENSIONS: mm (in.)

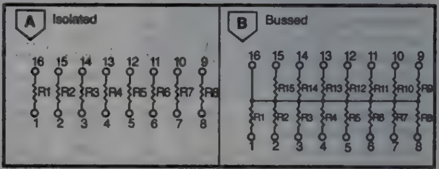

5.59
(.220)
.432
(.017)
TYP.
7.62
(.300)
2.03
(.080)
11.18
(.440)
.13
(.005)
1.27
(.050)
TYP.
R=.008"
TYP.
.305
(.012)
8°
max.
.611
(.024)

For quantities of 1,500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each				
			1	50	100	500	1000
RoHS/Lead Free							
652-4816P-T1LF-Value	A	16	1.09	.96	.82	.70	.65
652-4816P-T2LF-Value	B	16	1.09	.96	.82	.70	.65

Table of Stocked Values (Ω)

22	82	330	1.2K	3.9K	15K	47K	180K	680K
27	100	390	1.5K	4.7K	18K	56K	220K	820K
33	120	470	1.8K	5.6K	20K	68K	270K	1M
39	150	560	2K	6.8K	22K	82K	330K	
47	180	680	2.2K	8.2K	27K	100K	390K	
56	220	820	2.7K	10K	33K	120K	470K	
68	270	1K	3.3K	12K	39K	150K	560K	


A
Isolated
16 15 14 13 12 11 10 9
R1 R2 R3 R4 R5 R6 R7 R8
1 2 3 4 5 6 7 8
B
Bussed
16 15 14 13 12 11 10 9
R15 R14 R13 R12 R11 R10 R9
R1 R2 R3 R4 R5 R6 R7 R8
1 2 3 4 5 6 7 8

BOURNS 2% DIP Thick Film Resistor Networks

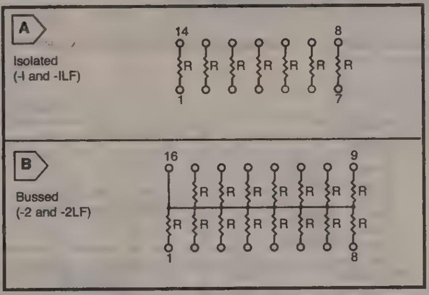
Reliable Electronic Solutions

4100R SERIES

Specifications:

- Molded Construction
- Resistance range: 10Ω to 220KΩ
- Temperature coefficient: 50Ω to 2.2MΩ = ±100 ppm/ °C below 50Ω = ± 250 ppm/ °C
- Resistor Tolerance: 10 Ω to 49 Ω = ±1 Ω; 50 Ω to 5 MΩ = ±2%
- Package Power Rating at 70°C
  - 4114R: 2.00 watts
  - 4116R: 2.25 watts

RoHS Compliant


A
Isolated
(-I and -ILF)
14
8
R
1
7
B
Bussed
(-2 and -2LF)
16
9
R
1
8

For quantities of 2,000 and up, call for quote.

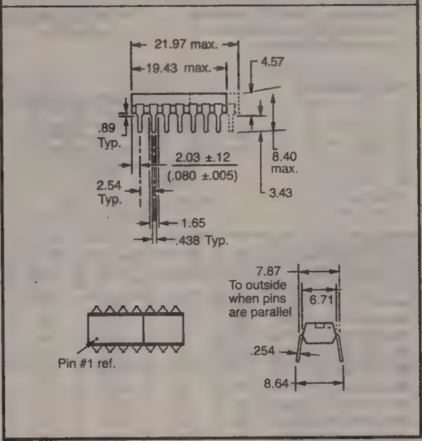
MOUSER STOCK NO.	Fig.	No. of Pins	Price Each				
			1	50	100	500	1000
652-4114R-1LF-Value	A	14	.48	.40	.36	.34	.29
652-4114R-2LF-Value	B	14	.48	.40	.36	.34	.29
652-4116R-1LF-Value	A	16	.49	.41	.37	.35	.30
652-4116R-2LF-Value	B	16	.49	.41	.37	.35	.30

Table of Standard Values (Ω)

Other values available.

10	120	390	1.5K	4.7K	18K	68K
22	150	470	1.8K	5.6K	22K	100K
33	180	560	2K	6.8K	27K	150K
39	220	680	2.2K	8.2K	33K	220K
47	270	1K	2.7K	10K	47K	
100	330	1.2K	3.3K	15K	56K	

DIMENSIONS: mm


21.97 max.
19.43 max.
4.57
.89
Typ.
2.03 ±.12
(.080 ±.005)
8.40
max.
2.54
Typ.
3.43
1.65
.438 Typ.
7.87
To outside
when pins
are parallel
6.71
.254
Pin #1 ref.
8.64

BOURNS 2% SIP Thick Film Resistor Networks

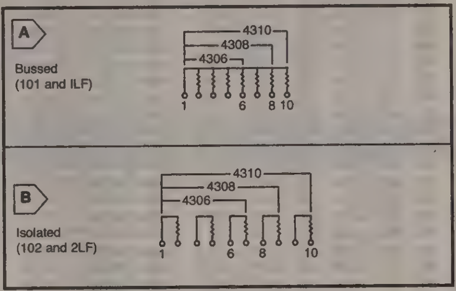
Reliable Electronic Solutions

4300R SERIES

Specifications:

- Molded construction
- Resistance range: 10Ω to 1MΩ
- Temperature coefficient of resistance:
  - 50Ω to 1M = ±100 ppm/°C
  - < 50Ω = ±250 ppm/°C
  - > 1MΩ = ±250 ppm/°C
- Resistor Tolerance:
  - 10 Ω to 49 Ω = ±1 ohm
  - 50 Ω to 5 MΩ = ±2%
- Package Power Rating at 70°C
  - 4306R: 0.75 watts
  - 4308R: 1.00 watts
  - 4310R: 1.25 watts

RoHS Compliant


A
Bussed
(101 and ILF)
4310
4308
4306
1
6
8
10
B
Isolated
(102 and 2LF)
4310
4308
4306
1
6
8
10

For quantities of 750 and up, call for quote.

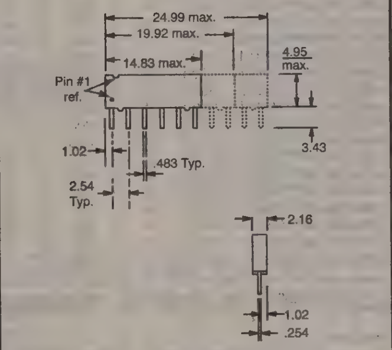
MOUSER STOCK NO.	Fig.	No. of Pins	Price Each				
			1	35	140	350	700
652-4306R-1LF-Value	A	6	.42	.35	.30	.25	.22
652-4306R-2LF-Value	B	6	.42	.35	.30	.25	.22
652-4308R-1LF-Value	A	8	.48	.40	.34	.31	.27
652-4308R-2LF-Value	B	8	.48	.40	.34	.31	.27
652-4310R-1LF-Value	A	10	.57	.48	.41	.37	.33
652-4310R-2LF-Value	B	10	.57	.48	.41	.37	.33

Table of Standard Values (Ω)

Other values available.

22	120	390	1.2K	3.3K	10K	33K	220K
39	150	470	1.5K	3.9K	12K	39K	470K
47	180	560	1.8K	4.7K	15K	47K	1M
56	220	680	2K	5.6K	20K	56K	
68	270	820	2.2K	6.8K	22K	68K	
100	330	1K	2.7K	8.2K	27K	100K	

Also available in 9 and 11 pin configurations.


24.99 max.
19.92 max.
14.83 max.
4.95
max.
Pin #1
ref.
3.43
1.02
.483 Typ.
2.54
Typ.
2.16
1.02
.254

DIMENSIONS: mm

BOURNS 2% SIP Conformal Coated Resistor Networks

Reliable Electronic Solutions

4600X SERIES

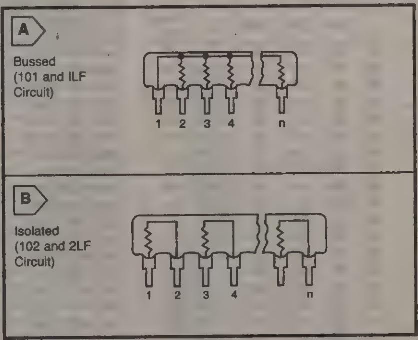
Specifications:

- Standard resistance range: 22Ω to 1MΩ
- Standard resistance tolerance: 50Ω-5MΩ ±2% <49Ω=1Ω)
- Operating temperature range: -55°C to +125°C
- Temperature coefficient of resistance: ±100ppm/°C (<50Ω = ±250ppm/°C)
- Operating voltage: 100VDC max.
- Insulation resistance: 10,000MΩ min.
- Resistor Tolerance: 10 Ω to 49 Ω = ±1 Ω, 50 Ω to 5, MΩ = ±2%

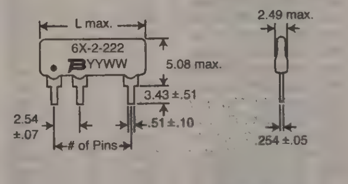
Features:

- Low profile is compatible with dips
- Ammo-pak packaging available
- Recommended for rosin flux, and solvent clean or no clean flux process

RoHS Compliant


A
Bussed
(101 and ILF
Circuit)
1
2
3
4
n
B
Isolated
(102 and 2LF
Circuit)
1
2
3
4
n

No. of Pins	6	8	10
"L" Max. (mm)	15.19	20.27	25.35


L max.
6X-2-222
BYYWW
5.08 max.
2.49 max.
3.43 ±.51
2.54
±.07
.51 ±.10
# of Pins
.254 ±.05

DIMENSIONS: mm

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each				
			1	50	100	500	1000
652-4606X-1LF-Value	A	6	.19	.17	.15	.13	.12
652-4606X-2LF-Value	B	6	.19	.17	.15	.13	.12
652-4608X-1LF-Value	A	8	.23	.21	.19	.17	.14
652-4608X-2LF-Value	B	8	.23	.21	.19	.17	.14
652-4610X-1LF-Value	A	10	.34	.29	.24	.22	.20
652-4610X-2LF-Value	B	10	.34	.29	.24	.22	.20

Table of Standard Values (Ω)

22	82	330	1.2K	3.9K	15K	56K	270K
27	100	390	1.5K	4.7K	18K	68K	330K
33	120	470	1.8K	5.6K	20K	82K	390K
39	150	560	2K	6.8K	22K	100K	470K
47	180	680	2.2K	8.2K	27K	120K	560K
56	220	820	2.7K	10K	33K	150K	680K
68	270	1K	3.3K	12K	39K	180K	820K
					47K	220K	1M

KOA 0402, 0603, 0805, 1206 - 5% SMD Resistor Array

KOA
KOA SPEER ELECTRONICS, INC.

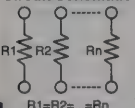
RoHS Compliant **This page of product is compliant.**

KOA SPEER 5% CONCAVE TERMINATION RESISTOR ARRAYS

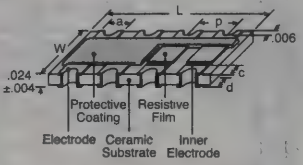
Features:
- Manufactured to type RK73 standards
- Less board space than individual chips
- Isolated resistor elements
- Marking: Marked with resistance value
- Tolerance: 5%
- Operating temperature range: -55°C to +150°C

RoHS Compliant

Circuit Schematic



R1=R2=...=Rn
(n=2, 4 or 8)



Size Code	Dimensions: in. (mm)					
	L	W	C	d	a	p (ref.)
1J2	.063±.006 (1.6±0.15)	.063±.006 (1.6±0.15)	.012±.006 (0.3±0.15)	.016±.006 (0.4±0.15)	.020±.006 (0.5±0.15)	.031 (0.8)
1J4	.126±.008 (3.2±0.2)					
1J8	.252±.008 (6.4±0.2)					

Size Code	Dimensions: in. (mm)					
	L	W	C	d	a	p (ref.)
2A2	0.1±.008 (2.54±0.2)	.079±.008 (2.0±0.2)	.016±.008 (0.4±0.2)	.022±.006 (.055±0 15)	.031 (0.8)	.050 (1.27)
2A4	0.2±.008 (5.08±0.2)					
2A8	0.4±.008 (10.16±0.2)					
2B2	0.1± 008 (2.54±0.2)	.126±.008 (3.2±0.2)	.020±.012 (0.5±0.3)			
2B4	0.2±.008 (5.08±0.2)					
2B8	0.4±.008 (10.16±0.2)					

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each				Reel	
					1	100	500	1000	Qty.	Price Ea.
660-CN1J2TTD100J	10	2	603	4	.03	.023	.02	.015	5000	.012
660-CN1J2TTD330J	33	2	603	4	.03	.023	.02	.015	5000	.012
660-CN1J2TTD331J	330	2	603	4	.03	.023	.02	.015	5000	.012
660-CN1J2TTD104J	100K	2	603	4	.03	.023	.02	.015	5000	.012
660-CN1J4TTD100J	10	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD150J	15	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD200J	20	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD220J	22	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD240J	24	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD270J	27	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD330J	33	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD390J	39	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD470J	47	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD510J	51	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD560J	56	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD680J	68	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD750J	75	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD820J	82	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD101J	100	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD151J	150	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD221J	220	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD331J	330	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD471J	470	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD561J	560	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD681J	680	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD102J	1K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD222J	2.2K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD272J	2.7K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD332J	3.3K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD472J	4.7K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD562J	5.6K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD103J	10K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD153J	15K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD203J	20K	4	603	8	.04	.03	.024	.02	5000	.016

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each				Reel	
					1	100	500	1000	Qty.	Price Ea.
660-CN1J4TTD223J	22K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD333J	33K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD473J	47K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD104J	100K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4TTD105J	1M	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J8TTE220J	22	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE330J	33	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE470J	47	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE510J	51	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE101J	100	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE221J	220	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE331J	330	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE471J	470	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE102J	1K	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE472J	4.7K	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE103J	10K	8	603	16	.37	.29	.22	.18	4000	.15
660-CN1J8TTE104J	100K	8	603	16	.37	.29	.22	.18	4000	.15
660-CN2A4TTE220J	22	4	805	8	.15	.12	.09	.08	4000	.06
660-CN2A4TTE330J	33	4	805	8	.15	.12	.09	.08	4000	.06
660-CN2A4TTE101J	100	4	805	8	.15	.12	.09	.08	4000	.06
660-CN2A4TTE471J	470	4	805	8	.15	.12	.09	.08	4000	.06
660-CN2A4TTE102J	1K	4	805	8	.15	.12	.09	.08	4000	.06
660-CN2A4TTE472J	4.7K	4	805	8	.15	.12	.09	.08	4000	.06
660-CN2A4TTE103J	10K	4	805	8	.15	.12	.09	.08	4000	.06
660-CN2B4TTE220J	22	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4TTE330J	33	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4TTE101J	100	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4TTE331J	330	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4TTE103J	10K	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4TTE222J	2.2K	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4TTE472J	4.7K	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4TTE473J	47K	4	1206	8	.15	.12	.09	.08	4000	.05
660-CN2B4TTE104J	100K	4	1206	8	.15	.12	.09	.08	4000	.05

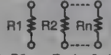
KOA SPEER 5% CONVEX TERMINATION RESISTOR ARRAYS

Features:
- Manufactured to type RK73 standards
- Less board space than individual chips
- Isolated resistor elements
- Convex terminators with square corners
- Marking: Body color black
  1E no marking
  1J white three-digit marking

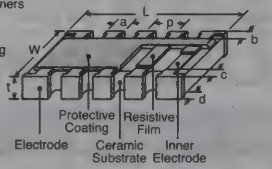
Specifications:
- TCR: ±200
- Power Rating: 63mW
- Resistance Tolerance: 5%
- Operating Temperature Range: -55°C to +125°C

RoHS Compliant

Circuit Schematic



R1=R2=...=Rn (n=2, 4 or 8)



Size Code	Dimensions: in. (mm)							
	L	W	C	d	t	a (ref.)	b (ref.)	p (ref.)
1E2K	.039±.004 (1.0±0.1)	.039±.004 (1.0±0.1)	.006±.004 (0.15±0.1)	.011±.006 (0.3±0.16)	.014 (0.35)	.014±.004 (.035±0.1)	.007±.002 (0.17±0.05)	.026±.004 (0.67±0.1)
1E4K	.079±.004 (2.0±0.1)			0.10±.004 (0.25±0.1)		0.12±.004 (0.3±0.1)	.006±.004 (0.15±0.1)	.020 (0.5)
1J2K	.063±.006 (1.6±0.15)	.063±.006 (1.6±0.15)	.012±.008 (0.3±0.2)	.010±.004 (0.25±0.1)	.020 (0.5)	.020 (0.5)	.012 (0.3)	0.31 (0.8)
1J4K	.126±.006 (3.2±0.15)							

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each				Reel	
					1	100	500	1000	Qty.	Price Ea.
660-CN1E2KTTD100J	10	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD220J	22	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD240J	24	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD330J	33	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD390J	39	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD430J	43	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD510J	51	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD560J	56	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD820J	82	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD101J	100	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD111J	110	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD161J	160	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD181J	180	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD201J	200	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD271J	270	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD511J	510	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD102J	1K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD202J	2K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD392J	3.9K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD432J	4.3K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD472J	4.7K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD103J	10K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E2KTTD104J	100K	2	402	4	.06	.05	.04	.03	10000	.02
660-CN1E4KTTD100J	10	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD220J	22	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD240J	24	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD270J	27	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD330J	33	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD390J	39	4	402	8	.08	.06	.05	.04	10000	.03

MOUSER STOCK NO.	Value (Ω)	No. of Resistors	Element Size	No. of Leads	Price Each				Reel	
					1	100	500	1000	Qty.	Price Ea.
660-CN1E4KTTD470J	47	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD510J	51	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD560J	56	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD620J	62	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD680J	68	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD101J	100	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD121J	120	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD221J	220	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD241J	240	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD331J	330	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD102J	1K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD222J	2.2K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD272J	2.7K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD472J	4.7K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD822J	8.2K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD103J	10K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD473J	47K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1E4KTTD104J	100K	4	402	8	.08	.06	.05	.04	10000	.03
660-CN1J4KTTD100J	10	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD150J	15	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD300J	30	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD330J	33	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD201J	200	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD431J	430	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD681J	680	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD102J	1K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD472J	4.7K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD562J	5.6K	4	603	8	.04	.03	.024	.02	5000	.016
660-CN1J4KTTD103J	10K	4	603	8	.04	.03	.024	.02	10000	.014

VISHAY Thin Film Dual In-Line Resistor Networks

VISHAY

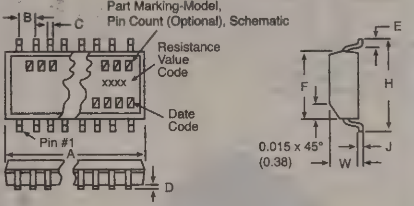
VSSR AND VSOR SERIES-RESISTOR NETWORKS - THIN FILM NITRIDE ON SILICON

Features:
- Surface mount compatible
- TCR-Absolute: -55°C to +125°C
- Choice of package sizes: VTSR (TSSOP) JEDEC MC-153, VSSR (SSOP or QSOP) JEDEC MS-137, VSOR (SOIC narrow) JEDEC MS-012
- Moisture sensitivity level 1 (per IPC/JEDEC STD-20C)

Application for Resistors w/ one Pin Common/Bussed:
- MOS/ROM Pull-up/Pull-down
- TTL Input Pull-down
- Open Collector Pull-up
- Digital Pulse Squaring
- TTL Unused Gate Pull-up
- Power Driven Pull-up
- High Speed Parallels Pull-up

Applications for Isolated Resistors:
- Power Driven Pull-up
- LED Current Limiting
- Powergate Pull-up
- ECL Output Pull-down
- Line Termination
- TTL Input Pull-down

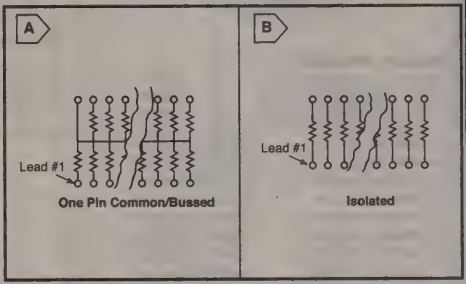
RoHS Compliant



Model	A			B (Ref.)	C (Ref.)	D	E (Typ.)	F	H	J (Ref.)	W
	16 Pin	20 Pin	24 Pin								
VSSR-xxxx (In.)	0.193 ± 0.004	0.341 ± 0 .003	0.341 ± 0.003	0.025	0.01	0.006	0.025	0.154 ± 0.003	0.236 ± 0 .008	0.01	0.064 ± 0.005
VSSR-xxxx (mm)	4.90 ± 0.10	8.66 ± 0.08	8.66 ± 0.08	0.64	0.25	0.15	0.64	3.91 ± 0.08	5.99 ± 0.20	0.25	1.63 ± 0.13
VSOR-xxxx (In.)	0.390 ± 0.010	NA	NA	0.05	0.016	0.008	0.03	0.152 ± 0.003	0.236 ± 0.005	0.008	0.064 ± 0.005
VSOR-xxxx (mm)	9.91 ± 0.25	NA	NA	1.27	0.41	0.2	0.76	3.86 ± 0.08	5.99 ± 0.13	0.2	1.63 ± 0.13

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	No. of Pins	Value Ω	Tolerance	Price Each			
						1	25	50	100
71-VSOR1601102JT	VSOR1601102JT	A	16	1K	5%	1.73	1.53	1.22	1.07
71-VSOR1601472JT	VSOR1601472JT	A	16	4.7K	5%	1.73	1.53	1.22	1.07
71-VSOR1601103JT	VSOR1601103JT	A	16	10K	5%	1.73	1.53	1.22	1.07
71-VSOR1603330JT	VSOR1603330JT	B	16	33	5%	2.48	2.19	1.75	1.53
71-VSOR1603103GT	VSOR1603103GT	B	16	10K	2%	2.14	1.89	1.51	1.32
71-VSSR1601472JT	VSSR1601472JT	A	16	4.7K	5%	1.73	1.53	1.22	1.07
71-VSSR1601103JT	VSSR1601103JT	A	16	10K	5%	1.73	1.53	1.22	1.07
71-VSSR1603100JT	VSSR1603100JT	B	16	10	5%	2.48	2.19	2.92	2.80
71-VSSR1603330JT	VSSR1603330JT	B	16	33	5%	2.48	2.19	1.75	1.53
71-VSSR1603102JT	VSSR1603102JT	B	16	1K	5%	1.73	1.53	1.22	1.07
71-VSSR1603472JT	VSSR1603472JT	B	16	4.7K	5%	1.73	1.53	1.22	1.07
71-VSSR1603103GT	VSSR1603103GT	B	16	10K	2%	2.14	1.89	1.51	1.32
71-VSSR1603103JT	VSSR1603103JT	B	16	10K	5%	1.73	1.53	1.22	1.07
71-VSSR2001472JT	VSSR2001472JT	A	20	4.7K	5%	1.97	1.74	1.39	1.21
71-VSSR2001103GT	VSSR2001103GT	A	20	10K	2%	2.38	2.10	1.68	1.47
71-VSSR2001103JT	VSSR2001103JT	A	20	10K	5%	1.97	1.74	1.39	1.21
71-VSSR2401102JT	VSSR2401102JT	A	24	1K	5%	1.97	1.74	1.39	1.21
71-VSSR2401472JT	VSSR2401472JT	A	24	4.7K	5%	1.97	1.74	1.39	1.21
71-VSSR2401103JT	VSSR2401103JT	A	24	10K	5%	1.97	1.74	1.39	1.21



VISHAY Thin Film-Resistor/Capacitor Networks

VISHAY

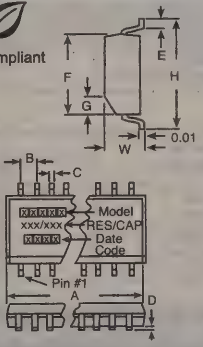
VSORC AND VSSRC SERIES-T-FILTER AND TERMINATION R/C NETWORKS - THIN FILM NITRIDE ON SILICON

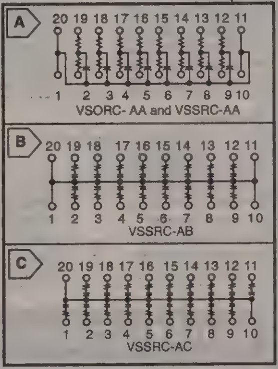
RoHS Compliant

Model	A	B (Ref.)	C (Ref.)	D	E (Typ.)	F	G	H	J (Ref.)	W
VSSRC20-AB (In.)	0.344 Max.	0.025	0.01	0.006	0.025	0.154 ±0.003	0.015 x 45°	0.236 ±0.008	0.01	0.064 ±0.005
VSSRC20-AB (mm)	8.74 Max.	0.64	0.25	0.15	0.64	3.9	0.38	6.0 ±0.20	0.25	1.6
VSORC20-AB (In.)	0.500 ±0.010	0.05	0.016	0.008	0.03	0.293 ±0.003	0.025 x 45°	0.406 ±0.005	0.01	0.100 ±0.005
VSORC20-AB (mm)	12.7 ±0.25	1.27	0.41	0.2	0.76	7.44	0.64	10.31	0.25	2.59

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	No. of Pins	Value Ω	Tolerance	Price Each			
						1	25	50	100
71-VSORC20250K/500M	VSORC20AA250K/500M	A	20	25Ω/50pF	20%	4.25	3.75	3.00	2.63
71-VSORC20101K/391K	VSORC20AA101K/391K	A	20	100Ωs/390pF	10%	4.25	3.75	3.00	2.63
71-VSSRC20250K/201M	VSSRC20AA250K/201M	A	20	25Ω/200pF	20%	4.25	3.75	3.00	2.63
71-VSSRC20470K/330M	VSSRC20AB470K/330M	B	20	47Ω/33pF	20%	4.25	3.75	3.00	2.63
71-VSSRC20750K/560M	VSSRC20AC750K/560M	C	20	75Ω/56pF	20%	4.25	3.75	3.00	2.63





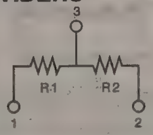
VISHAY Thin Film-Molded, SOT-23 Resistor Networks

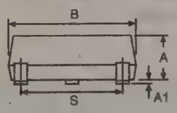
VISHAY

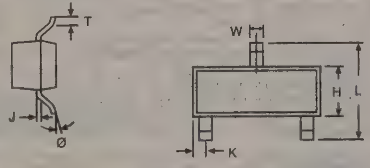
MPM SERIES - RESISTOR NETWORKS / DIVIDERS

Specifications:
- TCR: Tracking ± 2ppm/°C (typical) Absolute ± 25ppm/°C
- Tolerance: Ratio ± 0.5% to ± 0.01%
  Absolute ± 1.0% to ± 0.05%
- Power Rating: Resistor 100mW; Package 200mW
- Working Voltage: 100 Volts Max.
- Operating Temperature Range: - 55°C to + 125°C
- Shelf Life Stability (Ratio): 50ppm Max., 1 year @ + 25°C

RoHS Compliant







For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω		Ratio	Tolerance	Ratio Tol.	Price Each				
		R1	R2	R2:R1			1	10	25	50	100
Networks											
71-MPMT1001FW	MPMT1001FWS	1K	1K	1:1	1%	0.5%	7.20	6.30	5.40	4.86	4.32
71-MPMT2001AT	MPMT2001AT5	2K	2K	1:1	0.1%	0.1%	6.48	5.67	4.86	4.37	3.88
71-MPMT2001BW	MPMT2001BWS	2K	2K	1:1	0.1%	0.1%	9.84	7.32	7.38	6.64	5.90
71-MPMT5001AW	MPMT5001AWS	5K	5K	1:1	0.1%	0.1%	6.48	5.67	4.86	4.37	3.88
71-MPMT1002AT	MPMT1002AT5	10K	10K	1:1	0.1%	0.1%	6.48	5.67	4.86	4.37	3.88
71-MPMT1002BW	MPMT1002BWS	10K	10K	1:1	0.1%	0.1%	9.84	8.61	7.38	6.64	5.90
71-MPMT1002DW	MPMT1002DWS	10K	10K	1:1	0.5%	0.1%	8.44	7.39	6.33	5.70	5.06
71-MPMT2002AT	MPMT2002AT5	20K	20K	1:1	0.1%	0.1%	6.48	5.67	4.86	4.37	3.88
71-MPMT5002BW	MPMT5002BW5	50K	50K	1:1	0.1%	0.1%	9.84	8.61	7.38	6.64	5.90
Dividers											
71-MPMT1001/1002AW	MPMT1001/1002AWS	1K	10K	10:1	0.1%	0.1%	11.32	9.91	8.49	7.64	6.79
71-MPMT1001/2002AW	MPMT1001/2002AWS	1K	20K	20:1	0.1%	0.1%	11.32	9.91	8.49	7.64	6.79
71-MPMT1001/5002CW	MPMT1001/5002CWS	1K	50K	50:1	0.25%	0.1%	13.72	11.99	10.29	9.26	8.23
71-MPMT1001/1003AW	MPMT1001/1003AWS	1K	100K	100:1	0.1%	0.1%	17.16	15.02	12.87	11.58	10.30
71-MPMT2001/1001AW	MPMT2001/1001AWS	2K	1K	2:1	0.1%	0.1%	11.32	9.91	8.49	7.64	6.79
71-MPMT2001/1002AW	MPMT2001/1002AWS	2K	10K	5:1	0.1%	0.1%	11.32	9.91	8.49	7.64	6.79
71-MPMT5001/1002BT	MPMT5001/1002BT5	5K	10K	2:1	0.1%	0.1%	5.36	4.69	4.02	3.62	3.22
71-MPMT5001/1002DW	MPMT5001/1002DWS	5K	10K	2:1	0.5%	0.1%	8.36	7.32	6.27	5.64	5.02
71-MPMT5001/1002FW	MPMT5001/1002FWS	5K	10K	2:1	1%	0.5%	7.92	6.93	5.94	5.35	4.75

	Dimensions			
	Minimum		Maximum	
	Inches	(mm)	Inches	(mm)
A	0.031	(0.79)	0.04	(1.02)
A1	0.001	(0.02)	0.004	(0.1)
B	0.105	(2.67)	0.12	(3.05)
S	0.071	(1.8)	0.079	(2)
W	0.015	(0.38)	0.021	(0.54)
L	0.083	(2.1)	0.098	(2.5)
H	0.047	(1.2)	0.055	(1.4)
T	0.005	(0.13)	0.01	(0.25)
J	0.0035	(0.089)	0.0059	(0.15)
K	0.017	(0.44)	0.022	(0.55)
Ø	0	(0)	8°	(8°)

VISHAY / THIN FILM High Precision 8 Pin Resistor Networks/Dividers

VISHAY

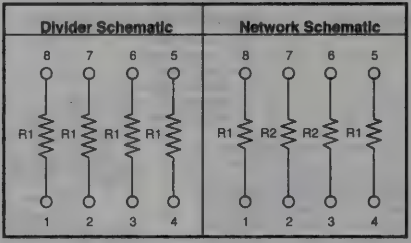
ORN AND ORNA SERIES - DUAL-IN-LINE NETWORKS AND DIVIDERS

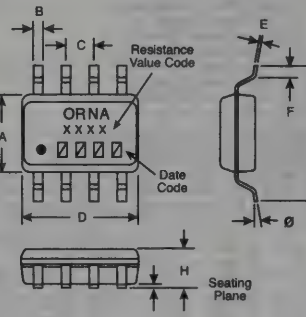
Features:

- Standard divider resistor ratios from 1:1 to 100:1
- Ratio match tolerance to 0.01%
- TC tracking of ± 2 ppm
- Standard 8 pin JEDEC MS-012 footprint

Applications:

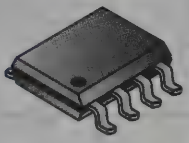
- Differential amplifiers
- Precision voltage dividers
- Bridge networks circuitry





Dimensions

	IN.	mm
A	0.157	3.99
B	0.0165±0.0025	0.4±0.06
C	0.050	1.27
D	0.195 Max.	4.93
E	0.008±0.001	0.20±0.03
F	0.028±0.001	0.71±0.02
G	0.239±0.005	6.07±0.13
H	0.068 Max.	1.73
I	0.008±0.002	0.22±0.06
Ø	2° to 6°	



Typical Performance

●	ABS	Tracking
TCR	25	5
	ABS	Ratio
TOL	0.1	0.05

RoHS Compliant

LEAD-FREE

Resistor Networks

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Tolerance	Ratio Tolerance	Price Each				
					1	10	25	50	100
71-ORNTA1001AUF	ORNTA1001AUF	1K	0.1%	0.1%	5.60	5.28	5.20	4.80	3.04
71-ORNTA1001FUF	ORNTA1001FUF	1K	1%	0.5%	3.33	3.14	3.09	2.85	1.81
71-ORNTA1001ZUF	ORNTA1001ZUF	1K	0.1%	0.025%	6.76	6.37	6.27	5.79	3.67
71-ORNTA1002AUF	ORNTA1002AUF	10K	0.1%	0.1%	5.60	5.28	5.20	4.80	3.04
71-ORNTA1002BUF	ORNTA1002BUF	10K	0.1%	0.1%	4.24	3.99	3.93	3.63	2.30
71-ORNTA1002DUF	ORNTA1002DUF	10K	0.5%	0.1%	3.78	3.56	3.51	3.24	2.05
71-ORNTA1002ZUF	ORNTA1002ZUF	10K	0.1%	0.025%	6.76	6.37	6.27	5.79	3.67
71-ORNTA1003AUF	ORNTA1003AUF	100K	0.1%	0.1%	5.60	5.28	5.20	4.80	3.04
71-ORNTA1003ZUF	ORNTA1003ZUF	100K	0.1%	0.025%	6.76	6.37	6.27	5.79	3.67
71-ORNTA2001AUF	ORNTA2001AUF	2K	0.1%	0.1%	5.60	5.28	5.20	4.80	3.04
71-ORNTA2002BUF	ORNTA2002BUF	20K	0.1%	0.1%	4.24	3.99	3.93	3.63	2.30
71-ORNTA2002ZUF	ORNTA2002ZUF	20K	0.1%	0.025%	6.76	6.37	6.27	5.79	3.67
71-ORNTA5000AUF	ORNTA5000AUF	500	0.1%	0.1%	5.60	5.28	5.20	4.80	3.04
71-ORNTA5001AUF	ORNTA5001AUF	5K	0.1%	0.1%	5.60	5.28	5.20	4.80	3.04
71-ORNTA5001DUF	ORNTA5001DUF	5K	0.5%	0.1%	3.78	3.56	3.51	3.24	2.05
71-ORNTA5001ZUF	ORNTA5001ZUF	5K	0.1%	0.025%	6.76	6.37	6.27	5.79	3.67
71-ORNTA5002AUF	ORNTA5002AUF	50K	0.1%	0.1%	5.60	5.28	5.20	4.80	3.04

Dividers

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω		Ratio R1:R2	Price Each				
		R1	R2		1	10	25	50	100
71-ORNTA2-1UF	ORNTA2-1UF	10K	5K	2:1	9.75	8.40	8.10	6.90	6.00
71-ORNTA5-1UF	ORNTA5-1UF	10K	2K	5:1	8.94	7.70	7.43	6.33	5.50
71-ORNTA10-1UF	ORNTA10-1UF	10K	1K	10:1	8.94	7.70	7.43	6.33	5.50
71-ORNTA50-1UF	ORNTA50-1UF	50K	1K	50:1	9.82	8.46	8.15	6.95	6.04
71-ORNTA100-1UF	ORNTA100-1UF	100K	1K	100:1	10.56	9.10	8.78	7.48	6.50

VISHAY / SFERNICE High Precision Resistor Arrays

VISHAY

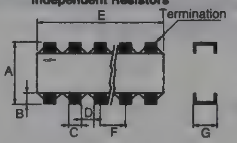
PRA 100, 182 SERIES

Features:

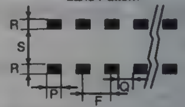
- 100mW Resistor
- Packaged in waffle - Tape and reel available
- High stability passivated nichrome resistive layer 0.02% on ratio 1000h at Pn at 70°C
- Tight TCR (10 ppm/°C) and TCR tracking (to 1ppm/°C)
- Very low noise <35dB and voltage coefficient <.01ppm/V
- Ratio tolerance from .1% to .01% (R≥20R)
- Pre-tinned terminations over nickel barrier
- Also available: One common point N Resistor
- Absolute Tolerance: .1%
- Ratio Tolerance: .05%

RoHS Compliant

Independent Resistors

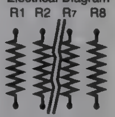


Land Pattern



MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	25	50	100
71-PRA100I2-1KBWN	PRA100I2-1KBWN	1K	7.71	6.17	5.71	5.40
71-PRA100I2-5KBWN	PRA100I2-5KBWN	5K	7.71	6.17	5.71	5.40
71-PRA100I2-10KBWN	PRA100I2-10KBWN	10K	7.71	6.17	5.71	5.40
71-PRA100I2-50KBWN	PRA100I2-50KBWN	50K	7.71	6.17	5.71	5.40
71-PRA100I2-100KBWN	PRA100I2-100KBWN	100K	7.71	6.17	5.71	5.40
71-PRA100I4-1KBWN	PRA100I4-1KBWN	1K	13.61	10.89	10.08	9.55
71-PRA100I4-5KBWN	PRA100I4-5KBWN	5K	13.61	10.89	10.08	9.55
71-PRA100I4-10KBWN	PRA100I4-10KBWN	10K	13.61	10.89	10.08	9.55
71-PRA100I4-50KBWN	PRA100I4-50KBWN	50K	13.61	10.89	10.08	9.55
71-PRA100I4-100KBWN	PRA100I4-100KBWN	100K	13.61	10.89	10.08	9.55
71-PRA182I2-1KBWN	PRA182I2-1KBWN	1K	10.34	8.28	7.66	7.26
71-PRA182I2-10KBWN	PRA182I2-10KBWN	10K	10.34	8.28	7.66	7.26
71-PRA182I2-100KBWN	PRA182I2-100KBWN	100K	10.34	8.28	7.66	7.26
71-PRA182I4-1KBWN	PRA182I4-1KBWN	1K	18.26	14.61	13.53	12.81
71-PRA182I4-10KBWN	PRA182I4-10KBWN	10K	18.26	14.61	13.53	12.81
71-PRA182I4-100KBWN	PRA182I4-100KBWN	100K	18.26	14.61	13.53	12.81

Electrical Diagram



	PRA 100		PRA 182	
DIM	mm	mil	mm	mil
A	1.6 +.2/-.1	63	3 +.2/-.1	118
B	.4 ±.2	16	.4 ±.2	16
C	.65 ±.15	25.5	1.3 +.35/-.15	51
D	.25	10	.25	10
E	E=(NXF)±.2mm		E=(NXF)±8mil	
F	1	40	1.82	72
G	.38 +.02/-0	15	.38 +.2/-0	15
P	.7	227.5	1.52	59.8
Q	.3	12	.3	12
R	1	40	1	40
S	.6	23.5	1.8	70.8

VISHAY / DALE 2% Thick Film Resistor Networks

MDP SERIES - MOLDED DIP RESISTOR NETWORKS

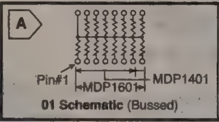
Features:
- Dual-in-line, molded DIP
- .160" [4.06mm] maximum seated height
- Rugged, molded case construction
- Low temperature coefficient (-55°C to +125°C) ±100PPM/°C

Electrical Specifications:
- Tolerance: ±2% standard
- Temperature coefficient: -55°C to +125°C

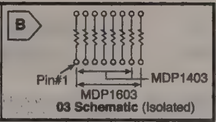
RoHS Compliant

4 Digit Resistance Value Chart = First 3 digits are significant figures and the last digit specifies the number of zeroes to follow. Example: 1002 =10K, 10R0 = 10 ohm

MOUSER STOCK NO.	Fig.	No. of Pins	Price Each			
			1	25	100	200
71-MDP1401(Value)GE04	A	14	.56	.52	.45	.39
71-MDP1403(Value)GE04	A	16	.56	.52	.45	.39
71-MDP1601(Value)GE04	B	14	.56	.52	.45	.39
71-MDP1603(Value)GE04	B	16	.56	.52	.45	.39



01 Schematic (Bussed)

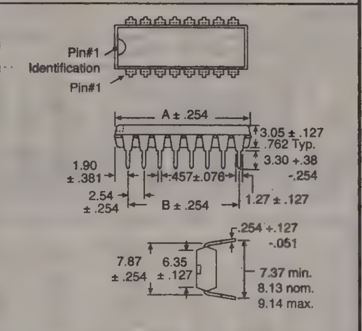


03 Schematic (Isolated)

TYPE	Dim. A (mm)	Dim. B (mm)	C
MDP14	19.05	15.24	6
MDP16	21.59	17.78	7

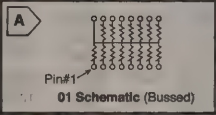
Resistance Value Chart (Ω)					
22	150	1K	5.6K	39K	330K
27	180	1.2K	6.8K	47K	390K
33	200	1.5K	8.2K	51K	470K
39	220	1.8K	10K	68K	510K
47	270	2K	12K	82K	560K
51	330	2.2K	15K	100K	680K
56	390	2.7K	18K	120K	820K
68	470	3.3K	20K	150K	1M
82	510	3.9K	22K	180K	
100	560	4.7K	27K	200K	
120	680	5.1K	33K	220K	

DIMENSIONS: mm

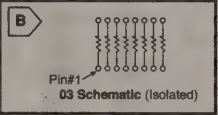


Non-Accumulative Tol. "C" Spaces

SOMC SERIES - MOLDED, SURFACE MOUNT COMPATIBLE



01 Schematic (Bussed)



03 Schematic (Isolated)

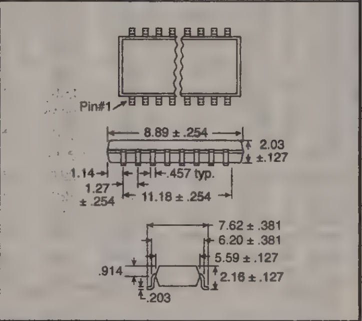
Features:
- .050" [1.27mm] lead spacing
- .090" [2.29mm] maximum seated height
- Highly stable thick film
- Low temperature coefficient (-55°C to +125°C) ±100PPM/°C
- Reduces total assembly costs
- Wide resistance range available
- Uniform performance characteristics
- Meets EIA PDP100, SOGN-0002 outline dimensions

Electrical Specifications:
- Resistance range: 10 ohm to 1 Megohm standard. Zero ohm jumpers available.
- Tolerance: ±1%, ±5%, ±10%, ±20% available.
- Temperature coefficient: (-55°C to +125°C) ±100PPM/°C typical
- Resistor power rating: 70°C max.
  01 Schematics = .080W; 03 Schematic = .160W
- Operating temperature range: -55°C to +125°C

Available in 14 and 20 pin style, additional resistance values, in isolated and bussed styles.

MOUSER STOCK NO.	Fig.	No. of Pins	Values (Ω)	Price Each				
				1	50	100	200	400
71-SOMC1601-Value	A	16	22, 470, 1K, 2.2K, 4.7K, 6.8K, 10K, 22K, 47K,100K	.94	.75	.66	.56	.48
71-SOMC1603-Value	B	16	22, 33, 47, 100, 220, 330, 1K, 2.2K, 4.7K, 10K, 100K	.94	.75	.66	.56	.48

DIMENSIONS: mm



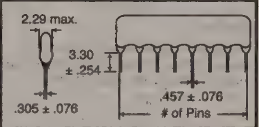
VISHAY / DALE 2% SIP Thick Film Resistor Networks

CSC SERIES - 2% CONFORMAL COATED SIP RESISTOR NETWORKS

Features:
- .195 (4.95mm) "A"
- "A" profile standard in 6 thru 10 pins

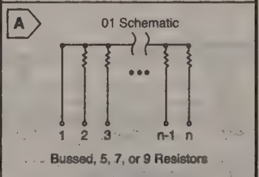
Specifications:
- Operating temperature range: -55°C to +125°C
- Temperature coefficient of resistance: (-55°C to +125°C) ±100ppm/°C typical
- Operating voltage: 100VDC max.
- Resistor power rating: (max. @ +70°C) fig. A .125W, fig. B .20W

DIMENSIONS: mm



Bussed / One Pin Common Configuration

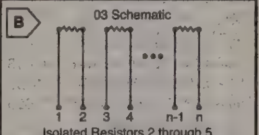
MOUSER STOCK NO.	Fig.	Value (Ω)	Power Dissipation		No. of Pins (N)	No. of Res.	Price Each				
			Per Circuit	Total Pkg. (Max.)			1	100	200	500	1000+
71-CSC06A01-Value	A	220, 330, 560, 680, 1.0K, 1.5K, 2.2K, 3.3K, 4.7K, 6.8K, 10K, 22K, 47K, 56K, 100K, 220K, 330K, 1.0M	.125	.75	6	5	.19	.15	.13	.11	Call For Quote
71-CSC08A01-Value	A	330, 470, 1.0K, 2.2K, 3.3K, 4.7K, 10K, 22K, 33K, 47K, 100K	.125	1	8	7	.25	.19	.18	.14	
71-CSC10A01-Value	A	100, 150, 200, 220, 330, 470, 560, 1.0K, 1.5K, 2.2K, 3.3K, 4.7K, 10K, 20K, 22K, 33K, 47K, 56K, 100K, 470K, 1.0M	.125	1.25	10	9	.29	.23	.21	.17	



Bussed, 5, 7, or 9 Resistors

Isolated Configuration

MOUSER STOCK NO.	Fig.	Value (Ω)	Power Dissipation		No. of Pins (N)	No. of Res.	Price Each				
			Per Circuit	Total Pkg. (Max.)			1	100	200	500	1000+
71-CSC06A03-Value	B	100, 150, 220, 470, 1.0K, 2.2K, 4.7K, 10K, 100K	.2	.75	6	3	.19	.15	.13	.11	Call For Quote
71-CSC08A03-Value	B	47, 100, 150, 220, 330, 470, 680, 1K, 1.5K, 2.2K, 3.3K, 4.7K, 10K, 22K, 47K, 68K, 100K, 150K, 200K, 470K	.2	1	8	4	.25	.19	.18	.14	
71-CSC10A03-Value	B	22, 47, 100, 220, 470, 1.0K, 3.3K, 4.7K, 5.6K, 10K, 100K, 1.0M	.2	1.25	10	5	.29	.23	.21	.17	



Isolated Resistors 2 through 5

XICON 2% SIP Thick Film Power Resistor Networks - 1/8W

Specifications:
- Resistance range: 10Ω to 1MΩ
- Resistance tolerance: ±2%
- Temperature coefficient: 100ppm/°C
- Power rating: 1/8W per resistor
- Operating temperature range: -55°C to +125°C
- Solderability: per MIL-R-83401

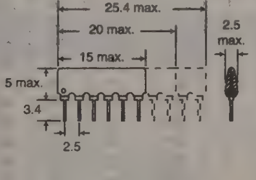
Other Values Available Upon Request

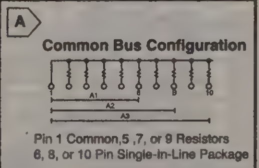
TABLE OF STANDARD VALUES								
10	56	220	680	2.2K	6.8K	22K	82K	330K
22	68	270	820	2.7K	8.2K	27K	100K	390K
27	82	330	1.0K	3.3K	10K	33K	120K	470K
33	100	390	1.2K	3.9K	12K	39K	150K	560K
39	120	470	1.5K	4.7K	15K	47K	180K	680K
47	150	510	1.8K	5.1K	18K	56K	220K	820K
51	180	560	2.0K	5.6K	20K	68K	270K	1M

RoHS Compliant

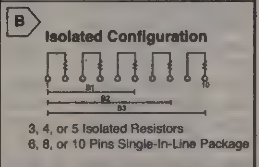
DIMENSIONS: mm

MIL-R-83401





Pin 1 Common,5 ,7, or 9 Resistors
6, 8, or 10 Pin Single-in-Line Package



3, 4, or 5 Isolated Resistors
6, 8, or 10 Pins Single-In-Line Package

For quantities 5,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins (N)	No. of Res.	Price Each				
				1	100	500	1000	2000
264-Value-RC	A1	6	5	.15	.09	.08	.075	.06
265-Value-RC	A2	8	7	.20	.13	.12	.11	.088
266-Value-RC	A3	10	9	.25	.17	.15	.14	.112
267-Value-RC	B1	6	3	.15	.09	.08	.075	.06
268-Value-RC	B2	8	4	.20	.13	.12	.11	.088
269-Value-RC	B3	10	5	.25	.17	.15	.14	.112

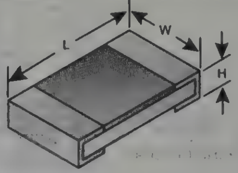
IRC 0805, 1206-0.1% 25 PPM SMD Thin Film Resistors

PFC SERIES TANFILM

Features:

- Available in 0603, 0805, 1206
- Passivated TaNFilm element
- Wrap-around termination
- Temperature Coefficient = 25ppm
- Tolerance= 0.1%
- Leach resistant nickel barrier termination

RoHS Compliant



∗ Values not available in all sizes

Size	MOUSER STOCK NO.	IRC Part No.	Range of Values in (Ω) See Table	Price Each			
				1	50	100	500
∗0603	66-PFC06LF-Value-B	PFC06C-value-B	10(Ω) to 100K	.73	.44	.36	.34
∗0805	66-PFC08LF-Value-B	PFC08C-value-B	10(Ω) to 267K	.74	.46	.37	.35
1206	66-PFC12LF-Value-B	PFC12C-value-B	10(Ω) to 1Meg	.74	.46	.37	.35

DIMENSIONS: in.

Size	Watt	L	W	H
0603	.1	.063 ± .004	.031 ± .004	.020 ± .004
0805	.25	.081 ± .005	.050 ± .005	.020 ± .006
1206	.33	.126 ± .006	.063 ± .005	.024 ± .004

TABLE OF STOCKED VALUES

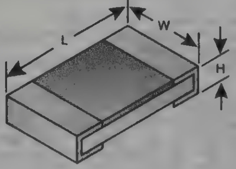
10	20.5	44.2	90.9	154	255	453	750	1.27K	2.1K	3.48K	5.76K	9.53K	15.8K	26.1K	45.3K	78.7K	137K	226K	374K	619K
10.2	21.5	45.3	93.1	158	261	464	768	1.3K	2.15K	3.57K	5.9K	9.76K	16.2K	26.7K	46.4K	80.6K	140K	232K	383K	634K
10.5	22.1	47.5	95.3	162	267	475	787	1.33K	2.21K	3.65K	6.04K	10K	16.5K	27.4K	47.5K	82.5K	143K	237K	392K	649K
10.7	23.7	48.7	97.6	165	274	487	806	1.37K	2.26K	3.74K	6.19K	10.2K	16.9K	28K	48.7K	86.6K	147K	243K	402K	665K
11	24.3	49.9	100	169	287	499	825	1.4K	2.32K	3.83K	6.34K	10.5K	17.4K	29.4K	49.9K	88.7K	150K	249K	412K	681K
11.3	24.9	51.1	102	174	301	511	845	1.43K	2.37K	3.92K	6.49K	10.7K	17.8K	30.1K	51.1K	90.9K	154K	255K	422K	698K
11.5	26.7	53.6	105	178	309	523	866	1.47K	2.43K	4.02K	6.65K	11K	18.2K	30.9K	53.6K	93.1K	158K	261K	432K	715K
12.1	28	54.9	107	182	316	536	887	1.5K	2.49K	4.12K	6.81K	11.3K	18.7K	31.6K	54.9K	97.6K	162K	267K	442K	732K
13	30.1	57.6	110	187	324	549	909	1.54K	2.55K	4.2K	6.98K	11.5K	19.1K	32.4K	56.2K	100K	165K	274K	453K	750K
13.3	30.9	59	113	191	332	562	931	1.58K	2.61K	4.32K	7.15K	11.8K	19.6K	33.2K	57.6K	102K	169K	280K	464K	768K
13.7	31.6	60.4	115	196	340	576	953	1.62K	2.67K	4.42K	7.32K	12.1K	20K	34K	59K	105K	174K	287K	475K	787K
14.3	32.4	61.9	121	200	348	590	1.0K	1.65K	2.74K	4.53K	7.5K	12.4K	20.5K	34.8K	60.4K	107K	178K	294K	487K	806K
14.7	33.2	64.9	124	205	357	604	1.02K	1.69K	2.8K	4.64K	7.68K	12.7K	21K	35.7K	61.9K	110K	182K	301K	499K	825K
15	36.5	69.8	127	210	365	619	1.05K	1.74K	2.87K	4.75K	7.87K	13K	21.5K	36.5K	63.4K	113K	187K	309K	511K	845K
15.4	37.4	71.5	130	215	374	634	1.07K	1.78K	2.94K	4.87K	8.06K	13.3K	22.1K	37.4K	64.9K	115K	191K	316K	523K	866K
15.8	38.3	75	133	221	383	649	1.1K	1.82K	3.01K	4.99K	8.25K	13.7K	22.6K	38.3K	66.5K	118K	196K	324K	536K	887K
16.9	39.2	78.7	137	226	392	665	1.13K	1.87K	3.09K	5.11K	8.45K	14K	23.2K	39.2K	68.1K	121K	200K	332K	549K	909K
18.2	40.2	82.5	140	232	402	681	1.15K	1.91K	3.16K	5.23K	8.66K	14.3K	23.7K	40.2K	69.8K	124K	205K	340K	562K	931K
18.7	41.2	84.5	143	237	422	698	1.18K	1.96K	3.24K	5.36K	8.87K	14.7K	24.3K	42.2K	71.5K	127K	210K	348K	576K	953K
19.8	42.2	86.6	147	243	432	715	1.21K	2.0K	3.32K	5.49K	9.09K	15K	24.9K	43.2K	73.2K	130K	215K	357K	590K	976K
20	43.2	88.7	150	249	442	732	1.24K	2.05K	3.4K	5.62K	9.31K	15.4K	25.5K	44.2K	75K	133K	221K	365K	604K	1.0M

IRC 1206, 2010, 2512-1% SMD Current Sense Resistors-1/2, 1 and 2 Watt

LR SERIES

Features:

- Resistance values down to .003 ohms
- Leach resistant solder-plated cooper wrap-around termination
- Low inductance-less than 0.2nH



DIMENSIONS: in.

Size	L	W	H
1206	.126 ± .012	.064 ± .008	.024 ± .004
2010	.206 ± .015	.104 ± .010	.029 ± .004
2512	.256 ± .015	.128 ± .010	.029 ± .004

MOUSER STOCK NO.		Ω Value	Watt	Case Size	Tol.	Price Each			Reel Qty. 1000 Each Price
Mfr.	Mfr. Part Number					1	100	500	
66—	LRF1206-01-R012-F	0.012	1/2	1206	1%	.60	.50	.45	.30
66—	LRF1206-01-R015-F	0.015	1/2	1206	1%	.60	.50	.45	.30
66—	LRF1206-01-R020-F	0.02	1/2	1206	1%	.60	.50	.45	.30
66—	LRF1206-01-R025-F	0.025	1/2	1206	1%	.60	.50	.45	.30
66—	LR1206-01-R030-F	0.03	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R033-F	0.033	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R040-F	0.04	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R050-F	0.05	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R060-F	0.06	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R080-F	0.08	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R100-F	0.1	1/2	1206	1%	.54	.45	.41	.27
66—	LR1206-01-R150-F	0.15	1/2	1206	1%	.54	.45	.41	.27
66—	LRF2010-01-R010-F	0.01	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R012-F	0.012	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R015-F	0.015	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R018-F	0.018	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R020-F	0.02	1	2010	1%	.64	.53	.48	.32
66—	LRF2010-01-R025-F	0.025	1	2010	1%	.64	.53	.48	.32
66—	LR2010-01-R030-F	0.03	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R033-F	0.033	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R035-F	0.035	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R040-F	0.04	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R050-F	0.05	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R058-F	0.058	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R068-F	0.068	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R075-F	0.075	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R100-F	0.1	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R120-F	0.12	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R150-F	0.15	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R180-F	0.18	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R200-F	0.2	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R220-F	0.22	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R250-F	0.25	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R270-F	0.27	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R300-F	0.3	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R470-F	0.47	1	2010	1%	.58	.48	.44	.29
66—	LR2010-01-R500-F	0.5	1	2010	1%	.58	.48	.44	.29
66—	LRF2512-01-R010-F	0.01	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R012-F	0.012	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R015-F	0.015	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R020-F	0.02	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R024-F	0.024	2	2512	1%	.66	.54	.50	.33
66—	LRF2512-01-R025-F	0.025	2	2512	1%	.66	.54	.50	.33
66—	LR2512-01-R027-F	0.027	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R030-F	0.03	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R040-F	0.04	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R050-F	0.05	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R056-F	0.056	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R062-F	0.062	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R068-F	0.068	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R075-F	0.075	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R080-F	0.08	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R100-F	0.1	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R120-F	0.12	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R140-F	0.14	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R150-F	0.15	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R200-F	0.2	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R220-F	0.22	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R250-F	0.25	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R300-F	0.3	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R330-F	0.33	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R400-F	0.4	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R470-F	0.47	2	2512	1%	.60	.50	.45	.30
66—	LR2512-01-R500-F	0.5	2	2512	1%	.60	.50	.45	.30

IRC 1% SMD Metal Element Current Sensing Resistors

ULR SERIES

Features:

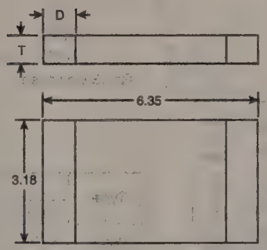
- Designed for current sense circuits in power electronics systems
- Power Ratings: 1W to 3W in 2512 chip size
- Resistance Range: 0.5mΩ to 10mΩ
- Low TCR and inductance
- Higher wattage devices feature PCB clearance gap to maximize thermal performance
- Tolerance: ±1%

RoHS Compliant

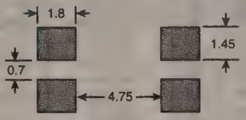
NEW FROM SUPPLIER

IRC Type	Resistance Value (mΩ)	DIMENSIONS: mm	
		T	D
ULR-3	0.5, 0.75	1	1.93
ULR-2	1.0 - 10	0.6	1.93
ULR-25			
ULR-3			
ULR-1	0.5	1.4	1.3
ULR-2			
ULR-1	0.75	1	1.3
ULR-2			
ULR-1	0.1	0.8	1.3
ULR-2			
ULR-1	0.15	0.65	1.3
ULR-2			
ULR-1	0.2	0.5	1.3
ULR-2			
ULR-1	0.25	1	1.3
ULR-1	0.3	0.7	1.3
ULR-1	0.35	0.71	1.3
ULR-1	0.4	0.6	1.3

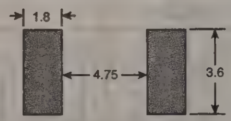
DIMENSIONS: mm



Recommended Solder Pad Layout



4-wire pad layout (recommended for precision current sensing)



2-wire pad layout

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Price Each					
			1	10	100	250	500	1000
1 Watt								
66-ULR1R0005FLFTR	ULR1R0005FLFTR	0.0005	.35	.30	.28	.25	.21	.18
66-ULR1R001FLFTR	ULR1R001FLFTR	0.001	.35	.30	.28	.25	.21	.18
66-ULR1R0015FLFTR	ULR1R0015FLFTR	0.0015	.35	.30	.28	.25	.21	.18
66-ULR1R002FLFTR	ULR1R002FLFTR	0.002	.35	.30	.28	.25	.21	.18
66-ULR1R0025FLFTR	ULR1R0025FLFTR	0.0025	.35	.30	.28	.25	.21	.18
66-ULR1R003FLFTR	ULR1R003FLFTR	0.003	.35	.30	.28	.25	.21	.18
66-ULR1R004FLFTR	ULR1R004FLFTR	0.004	.35	.30	.28	.25	.21	.18
66-ULR1R005FLFTR	ULR1R005FLFTR	0.005	.35	.30	.28	.25	.21	.18
66-ULR1R006FLFTR	ULR1R006FLFTR	0.006	.35	.30	.28	.25	.21	.18
66-ULR1R007FLFTR	ULR1R007LFTR	0.007	.35	.30	.28	.25	.21	.18
66-ULR1R0075FLFTR	ULR1R0075FLFTR	0.0075	.35	.30	.28	.25	.21	.18
2 Watt								
66-ULR2R0005FLFTR	ULR2R0005FLFTR	0.0005	.43	.37	.34	.30	.27	.20
66-ULR2R00075FLFTR	ULR2R0075FLFTR	0.0075	.43	.37	.34	.30	.27	.20
66-ULR2R001FLFTR	ULR2R001FLFTR	0.001	.43	.37	.34	.30	.27	.20
66-ULR2R0015FLFTR	ULR2R0015FLFTR	0.0015	.43	.37	.34	.30	.27	.20
66-ULR2R002FLFTR	ULR2R002FLFTR	0.002	.43	.37	.34	.30	.27	.20
66-ULR2R007FLFTR	ULR2R007FLFTR	0.007	.43	.37	.34	.30	.27	.20
66-ULR2R008FLFTR	ULR2R008FLFTR	0.008	.43	.37	.34	.30	.27	.20
66-ULR2R009FLFTR	ULR2R009FLFTR	0.009	.43	.37	.34	.30	.27	.20
66-ULR2R010FLFTR	ULR2R010FLFTR	0.01	.43	.37	.34	.30	.27	.20
2.5 Watt								
66-ULR25R0035FLFTR	ULR25R0035FLFTR	0.0035	.43	.37	.34	.30	.27	.20
66-ULR25R004FLFTR	ULR25R004FLFTR	0.004	.43	.37	.34	.30	.27	.20
66-ULR25R005FLFTR	ULR25R005FLFTR	0.005	.43	.37	.34	.30	.27	.20
66-ULR25R006FLFTR	ULR25R006FLFTR	0.006	.43	.37	.34	.30	.27	.20
3 Watt								
66-ULR3R0005FLFTR	ULR3R0005FLFTR	0.0005	.45	.39	.36	.32	.28	.22
66-ULR3R00075FLFTR	ULR3R0075FLFTR	0.0075	.45	.39	.36	.32	.28	.22
66-ULR3R001FLFTR	ULR3R001FLFTR	0.001	.45	.39	.36	.32	.28	.22
66-ULR3R0015FLFTR	ULR3R0015FLFTR	0.0015	.45	.39	.36	.32	.28	.22
66-ULR3R002FLFTR	ULR3R002FLFTR	0.002	.45	.39	.36	.32	.28	.22
66-ULR3R0025FLFTR	ULR3R0025FLFTR	0.0025	.45	.39	.36	.32	.28	.22
66-ULR3R003FLFTR	ULR3R003FLFTR	0.003	.45	.39	.36	.32	.28	.22

IRC 1% and 5% SMD Current Sensing Resistors

OAR-XP SERIES - 1% OPEN AIR SENSE RESISTORS

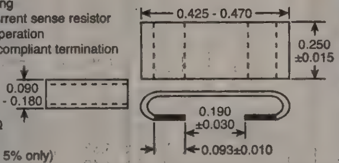
NEW FROM SUPPLIER

Features:

- Superior Thermal Expansion Cycling
- Extended power surface mount current sense resistor
- Open air design provides cooler operation
- Unique form factor provides TCE compliant termination
- Zero Ω Jumper available

Specifications:

- Power Rating: 3-5 Watts
- Resistance Values: 2mΩ to 50mΩ
- Inductance: <10nH
- Tolerance: ±1% or ±5% (0.002Ω - 5% only)



RoHS Compliant

DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Price Each					
			1	10	100	250	500	1000
66-OARSXPR001FLF	OARSXPR001FLF	0.0010	1.60	1.40	1.10	.95	.84	.78
66-OARSXPR002FLF	OARSXPR002FLF	0.0020	1.60	1.40	1.10	.95	.84	.78
66-OARSXPR0025FLF	OARSXPR0025FLF	0.0025	1.60	1.40	1.10	.95	.84	.78
66-OARSXPR005FLF	OARSXPR005FLF	0.0050	1.60	1.40	1.10	.95	.84	.78
66-OARSXPR010FLF	OARSXPR010FLF	0.0100	1.50	1.30	1.00	.85	.75	.65
66-OARSXPR020FLF	OARSXPR020FLF	0.0200	1.50	1.30	1.00	.85	.75	.65
66-OARSXPR025FLF	OARSXPR025FLF	0.0250	1.50	1.30	1.00	.85	.75	.65

OARS SERIES - 5% OPEN AIR SENSE RESISTORS

Features:

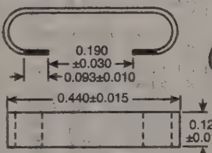
- Superior Thermal Expansion Cycling
- Inductance ≤ 10nH
- Lead Flexible for Thermal Expansion

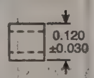
Operating Characteristics:

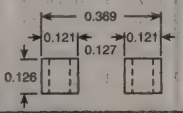
- Load Life @ 70°C (1000 hrs): 1% D Max.
- Moisture No Load (1000 hrs): 1% D Max.
- Temperature Cycle @ -40°C & +125°C (1000 cyc): 1% Max.

Specifications:

- Tolerance: ±5%
- Resistance Wire TCR ±20ppm/°C
- 50V Continuous Pulse Rating/Rated Voltage







RoHS Compliant

DIMENSIONS: mm

For quantities of 3800 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Power Rating (Watts)	Price Each				
				1	10	100	250	Reel 1900
66-OARS1R003JLF	OARS1R003JLF	.003	1W @ 85°C	.96	.90	.84	.78	.72
66-OARS1R005JLF	OARS1R005JLF	.005	1W @ 85°C	.96	.90	.84	.78	.72
66-OARS1R010JLF	OARS1R010JLF	.010	1W @ 85°C	.84	.79	.74	.68	.63
66-OARS1R015JLF	OARS1R015JLF	.015	1W @ 85°C	.84	.79	.74	.68	.63
66-OARS1R020JLF	OARS1R020JLF	.020	1W @ 85°C	.84	.79	.74	.68	.63
66-OARS1R030JLF	OARS1R030JLF	.030	1W @ 85°C	.84	.79	.74	.68	.63
66-OARS1R040JLF	OARS1R040JLF	.040	1W @ 85°C	.84	.79	.74	.68	.63
66-OARS1R050JLF	OARS1R050JLF	.050	1W @ 85°C	.84	.79	.74	.68	.63

IRC 10% SMD Surge Resistors

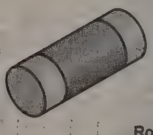
HSF-1 SERIES

Specifications:

- Size Code: F
- Industry Footprint: 2512
- Maximum Power Rating: 1W @ 70°C
- Working Wattage: 350
- Tolerance: ±10%
- TCR (ppm/°C): ±50, ±100

Features:

- Up to triple the surge rating of the rugged CHP1
- Replaces costly surface-mount wirewound resistors
- 150°C maximum operating temperature
- 1 Watt power rating



RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Price Each					
			1	10	100	250	500	Reel 1000
66-HSF11006R80K7LF	HSF11006R80K7LF	6.8	.42	.39	.35	.32	.28	.25
66-HSF110027R0K7LF	HSF110027R0K7LF	27	.42	.39	.35	.32	.28	.25
66-HSF110068R0K7LF	HSF110068R0K7LF	68	.42	.39	.35	.32	.28	.25
66-HSF11002700K7LF	HSF11002700K7LF	270	.42	.39	.35	.32	.28	.25

IRC SMD Jumper Resistors

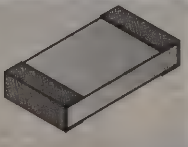
LRZ SERIES - ULTRA LOW RESISTANCE

Specifications:

- High Current Rating
- Less than 0.003Ω Resistance
- Copper on Alumina construction
- Very Low Inductance
- Available in 1206, 2010, and 2512 chip sizes

NEW FROM SUPPLIER

RoHS Compliant



For quantities of 3000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Size	Price Each			
				1	10	100	250
66-LRZ1206-0LF	LRC-LRZ1206-LF-R000	0	1206	.70	.50	.45	.40
66-LRZ2010-0LF	LRC-LRZ2010-LF-R000	0	2010	.74	.54	.50	.42
66-LRZ2512-0LF	LRC-LRZ2512-LF-R000	0	2512	.85	.65	.60	.55

KOA 0402-2512 SMD Lo-Ohm Current Sense Resistors

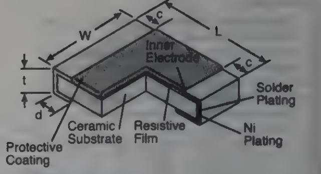
RoHS Compliant This page of product is compliant.

SR73 SERIES - THICK FILM 0402, 0603, 0805, 1206, 1210, 2010, 2512

Features:

- RuO2 thick film resistor element
- Anti-leaching nickel barrier terminations
- Meets or exceeds EIA 575, EIA PDP-100, MIL-R-55342F
- Marking: Three or four-digits on indigo protective coat. No marking, 1E size.

RoHS Compliant



∗Insert **Value Code** from Table of Stocked Values

Size	MOUSER STOCK NO.		Value Range (Ω)	Tol. (%)	TCR (ppm/°C)	Price Each					Reel Qty	Price Per Piece
		Value				1	25	100	1000	2000		
0402	660-SR731ETTP	Code	0.1-0.118	1%	500	.43	.38	.33	.29	.27	10000	.21
		Code	0.2-0.47	1%	250	.43	.38	.33	.29	.27	10000	.21
		Code	0.51-10	1%	200	.43	.38	.33	.29	.27	10000	.21
0603	660-SR731JTTD	Code	0.1-1.0	1%	250	.39	.35	.30	.26	.24	5000	.22
0805	660-SR732ATTE	Code	30m-91m	5%	200	.68	.64	.53	.45	.42	4000	.38
		Code	0.1-0.464	1%	100	.39	.35	.30	.26	.24	4000	.22
		Code	0.475-10	1%	100	.26	.23	.20	.17	.16	4000	.14
1206	660-SR732BTTE	Code	30m-91m	5%	200	.38	.34	.30	.26	.24	4000	.22
		Code	0.1-10	1%	100	.38	.34	.30	.26	.24	4000	.22
1210	660-SR732ETTE	Code	24m-43m	5%	200	.79	.70	.61	.53	.49	4000	.44
		Code	0.1-0.464	1%	100	.54	.48	.42	.36	.33	4000	.30
		Code	0.475-10	1%	100	.40	.36	.31	.27	.25	4000	.22
2010	660-SR732HTTE	Code	33m-82m	5%	200	.88	.78	.68	.59	.55	4000	.49
		Code	0.1-0.464	1%	100	.64	.57	.50	.43	.39	4000	.36
		Code	0.475-10	1%	100	.51	.45	.40	.34	.32	4000	.18
2512	660-SR733ATTE	Code	39m-82m	5%	200	1.01	.90	.80	.70	.62	4000	.56
		Code	0.1-10	1%	100	.89	.79	.69	.59	.55	4000	.49

Type	Dimensions: in. (mm)				
	L	W	c	d	t
0402	.039 (1.0)	.02 (0.5)	.01 (0.25)	.01 (0.25)	.014 (0.35)
0603	.063 (1.6)	.031 (0.8)	.014 (0.35)	.014 (0.35)	.018 (0.45)
0805	.079 (2.0)	.049 (1.25)	.016 (0.4)	.012 (0.3)	.02 (0.5)
1206	.126 (3.2)	.063 (1.6)	.02 (0.5)	.016 (0.4)	.024 (0.6)
1210	.126 (3.2)	.102 (2.6)	.02 (0.5)	.016 (0.4)	.024 (0.6)
2010	.197 (5.0)	.098 (2.5)	.02 (0.5)	.016 (0.4)	.024 (0.6)
2512	.248 (6.3)	.122 (3.1)	.02 (0.5)	.016 (0.4)	.024 (0.6)

TABLE OF STOCKED VALUES

Value (Ω)	Value Code ∗	Case Sizes						
		0402	0603	0805	1206	1210	2010	2512
0.024	24LJ					X		
0.027	27LJ					X		
0.03	30LJ			X	X			
0.033	33LJ			X	X	X	X	
0.036	36LJ					X	X	
0.039	39LJ			X	X			X
0.043	43LJ			X	X	X	X	X
0.047	47LJ						X	
0.051	51LJ			X	X			
0.056	56LJ			X	X		X	X
0.062	62LJ			X	X		X	
0.068	68LJ			X	X		X	X
0.075	75LJ			X	X		X	X
0.082	82LJ			X	X		X	X
0.091	91LJ			X	X			
0.1	R100F	X	X	X	X	X	X	X
0.102	R102F		X	X	X	X	X	X
0.105	R105F		X	X	X	X	X	X
0.107	R107F		X	X	X	X	X	X
0.11	R110F	X		X	X	X	X	X
0.112	R112F	X						
0.113	R113F		X	X	X	X	X	X
0.115	R115F	X	X	X	X	X	X	X
0.116	R116F	X						
0.118	R118F	X	X	X	X	X	X	X
0.121	R121F		X	X	X	X	X	X
0.124	R124F		X	X	X	X	X	X
0.127	R127F		X	X	X	X	X	X
0.13	R130F			X	X	X	X	X
0.133	R133F		X	X	X	X	X	X
0.137	R137F		X	X	X	X	X	X
0.14	R140F		X	X	X	X	X	X
0.143	R143F		X	X	X	X	X	X
0.147	R147F		X	X	X	X	X	X
0.15	R150F		X	X	X	X	X	X
0.154	R154F		X	X	X	X	X	X
0.158	R158F		X	X	X	X	X	X
0.162	R162F		X	X	X	X	X	X
0.165	R165F		X	X	X	X	X	X
0.169	R169F		X	X	X	X	X	X
0.174	R174F		X	X	X	X	X	X
0.178	R178F		X	X	X	X	X	X
0.182	R182F		X	X	X	X	X	X
0.187	R187F		X	X	X	X	X	X
0.191	R191F		X	X	X	X	X	X
0.196	R196F		X	X	X	X	X	X
0.2	R200F	X	X	X	X	X	X	X
0.205	R205F		X	X	X	X	X	X
0.21	R210F		X	X	X	X	X	X
0.215	R215F		X	X	X	X	X	X
0.218	R218F		X	X	X	X	X	X
0.22	R220F	X						
0.221	R221F		X	X	X	X	X	X
0.226	R226F		X	X	X	X	X	X
0.232	R232F		X	X	X	X	X	X
0.237	R237F		X	X	X	X	X	X
0.24	R240F	X	X	X	X	X	X	X
0.243	R243F		X	X	X	X	X	X
0.255	R255F		X	X	X	X	X	X
0.261	R261F		X	X	X	X	X	X
0.27	R270F	X						
0.274	R274F		X	X	X	X	X	X
0.28	R280F		X	X	X	X	X	X
0.287	R287F		X	X	X	X	X	X
0.294	R294F		X	X	X	X	X	X
0.3	R300F	X						
0.301	R301F		X	X	X	X	X	X
0.309	R309F		X	X	X	X	X	X
0.316	R316F		X	X	X	X	X	X
0.324	R324F		X	X	X	X	X	X
0.33	R330F	X						
0.332	R332F		X	X	X	X	X	X
0.34	R340F		X	X	X	X	X	X
0.348	R348F		X	X	X	X	X	X
0.357	R357F		X	X	X	X	X	X
0.36	R360F	X						
0.365	R365F		X	X	X	X	X	X
0.374	R374F		X	X	X	X	X	X
0.383	R383F		X	X	X	X	X	X
0.39	R390F	X						
0.392	R392F		X	X	X	X	X	X
0.402	R402F		X	X	X	X	X	X
0.412	R412F		X	X	X	X	X	X
0.422	R422F		X	X	X	X	X	X
0.43	R430F	X						
0.432	R432F		X	X	X	X	X	X
0.442	R442F		X	X	X	X	X	X
0.453	R453F		X	X	X	X	X	X
0.464	R464F			X	X	X	X	X
0.47	R470F	X						
0.475	R475F		X	X	X	X	X	X
0.487	R487F		X	X	X	X	X	X
0.499	R499F		X	X	X	X	X	X
0.51	R510F	X						
0.511	R511F		X	X	X	X	X	X
0.523	R523F		X	X	X	X	X	X
0.536	R536F		X	X	X	X	X	X
0.549	R549F		X	X	X	X	X	X
0.56	R560F	X						
0.562	R562F		X	X	X	X	X	X
0.576	R576F		X	X	X	X	X	X
0.59	R590F		X	X	X	X	X	X
0.604	R604F			X	X	X	X	X
0.619	R619F		X	X	X	X	X	X
0.62	R620F	X						
0.634	R634F		X	X	X	X	X	X
0.649	R649F		X	X	X	X	X	X
0.665	R665F		X	X	X	X	X	X
0.68	R680F	X						
0.681	R681F		X	X	X	X	X	X
0.698	R698F		X	X	X	X	X	X
0.715	R715F		X	X	X	X	X	X
0.732	R732F		X	X	X	X	X	X
0.75	R750F	X		X	X	X	X	X
0.768	R768F		X	X	X	X	X	X
0.787	R787F		X	X	X	X	X	X
0.806	R806F			X	X	X	X	X
0.82	R820F	X						
0.825	R825F		X	X	X	X	X	X
0.845	R845F		X	X	X	X	X	X
0.866	R866F		X	X	X	X	X	X
0.887	R887F		X	X	X	X	X	X
0.909	R909F			X	X	X	X	X
0.91	R910F	X						
0.931	R931F		X	X	X	X	X	X
0.953	R953F		X	X	X	X	X	X
0.976	R976F		X	X	X	X	X	X
1.0	1R00F	X	X	X	X	X	X	X
1.02	1R02F				X	X	X	X
1.05	1R05F			X	X	X	X	X
1.07	1R07F				X	X	X	X
1.1	1R10F	X		X	X	X	X	X
1.12	1R12F	X						
1.13	1R13F			X	X	X	X	X
1.15	1R15F			X	X	X	X	X
1.16	1R16F							
1.18	1R18F			X	X	X	X	X
1.21	1R21F			X	X	X	X	X
1.24	1R24F			X	X	X	X	X
1.27	1R27F			X	X	X	X	X
1.3	1R30F			X	X	X	X	X
1.33	1R33F			X	X	X	X	X
1.37	1R37F			X	X	X	X	X
1.4	1R40F			X	X	X	X	X
1.43	1R43F			X	X	X	X	X
1.47	1R47F			X	X	X	X	X
1.5	1R50F			X	X	X	X	X
1.54	1R54F			X	X	X	X	X
1.58	1R58F			X	X	X	X	X
1.62	1R62F			X	X	X	X	X
1.65	1R65F			X	X	X	X	X
1.69	1R69F			X	X	X	X	X
1.74	1R74F			X	X	X	X	X
1.78	1R78F			X	X	X	X	X
1.82	1R82F			X	X	X	X	X
1.87	1R87F			X	X	X	X	X
1.91	1R91F			X	X	X	X	X
1.96	1R96F			X	X	X	X	X
2.0	2R00F	X		X	X	X	X	X
2.05	2R05F			X	X	X	X	X
2.1	2R10F			X	X	X	X	X
2.15	2R15F			X	X	X	X	X
2.18	2R18F				X	X	X	X
2.2	2R20F	X						
2.21	2R21F				X	X	X	X
2.26	2R26F			X	X	X	X	X
2.32	2R32F			X	X	X	X	X
2.37	2R37F			X	X	X	X	X
2.4	2R40F	X		X	X	X	X	X
2.43	2R43F			X	X	X	X	X
2.55	2R55F			X	X	X	X	X
2.61	2R61F			X	X	X	X	X
2.7	2R70F	X						
2.74	2R74F			X	X	X	X	X
2.8	2R80F			X	X	X	X	X
2.87	2R87F			X	X	X	X	X
2.94	2R94F			X	X	X	X	X
3	3R00F	X						
3.01	3R01F			X	X	X	X	X
3.09	3R09F			X	X	X	X	X
3.16	3R16F			X	X	X	X	X
3.24	3R24F			X	X	X	X	X
3.3	3R30F	X						
3.32	3R32F			X	X	X	X	X
3.4	3R40F			X	X	X	X	X
3.48	3R48F			X	X	X	X	X
3.57	3R57F			X	X	X	X	X
3.6	3R60F	X						
3.65	3R65F			X	X	X	X	X
3.74	3R74F			X	X	X	X	X
3.83	3R83F			X	X	X	X	X
3.9	3R90F	X						
3.92	3R92F			X	X	X	X	X
4.02	4R02F			X	X	X	X	X
4.12	4R12F			X	X	X	X	X
4.22	4R22F			X	X	X	X	X
4.3	4R30F	X						
4.32	4R32F			X	X	X	X	X
4.42	4R42F			X	X	X	X	X
4.53	4R53F			X	X	X	X	X
4.64	4R64F			X	X	X	X	X
4.7	4R70F	X						
4.75	4R75F			X	X	X	X	X
4.87	4R87F			X	X	X	X	X
4,99	4R99F			X	X	X	X	X
5.1	5R10F	X						
5.11	5R11F			X	X	X	X	X
5.23	5R23F			X	X	X	X	X
5.36	5R36F			X	X	X	X	X
5.49	5R49F			X	X	X	X	X
5.6	5R60F	X						
5.62	5R62F			X	X	X	X	X
5.76	5R76F			X	X	X	X	X
5.9	5R90F			X	X	X	X	X
6.04	6R04F			X	X	X	X	X
6.19	6R19F			X	X	X	X	X
6.2	6R20F	X						
6.34	6R34F			X	X	X	X	X
6.49	6R49F			X	X	X	X	X
6.65	6R65F			X	X	X	X	X
6.8	6R80F	X						
6.81	6R81F			X	X	X	X	X
6.98	6R98F			X	X	X	X	X
7.15	7R15F			X	X	X	X	X
7.32	7R32F			X	X	X	X	X
7.5	7R50F	X		X	X	X	X	X
7.68	7R68F			X	X	X	X	X
7.87	7R87F			X	X	X	X	X
8.06	8R06F			X	X	X	X	X
8.2	8R20F	X						
8.25	8R25F			X	X	X	X	X
8.45	8R45F			X	X	X	X	X
8.66	8R66F			X	X	X	X	X
8.87	8R87F			X	X	X	X	X
9.09	9R09F			X	X	X	X	X
9.1	9R10F	X						
9.31	9R31F			X	X	X	X	X
9.53	9R53F			X	X	X	X	X
9.76	9R76F			X	X	X	X	X
10	10R0F	X		X	X	X	X	X

KOA SMD Molded Current Sense Resistors

KOA SPEER ELECTRONICS, INC.

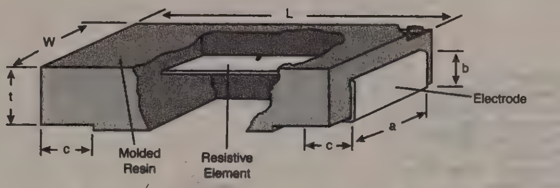
SL AND TSL SERIES RESISTORS

RoHS Compliant **This page of product is compliant.**

Features:

- Surface mount type
- Flameproof UL94-V-O molded polymer case
- Excellent dimension accuracy, mountability and shock resistance
- Suitable for flow, reflow and hand soldering
- Resistance Tolerance: 1%
- Operating Temperature Range: -55°C to +180°C
- 1000 Piece Reels

RoHS Compliant



MOUSER STOCK NO.	Value Range	Price Each			Reel	
		1	25	100	1000	2000
660-SL1TTE-Code	5m-1.0	.79	.70	.61	.53	.49
660-SL2TTE-Code	5m-.357	1.13	1.00	.88	.75	.70
660-SL3TTE-Code	5m-.357	1.35	1.20	1.05	.90	.84
		1	25	100	3000	6000
660-TSL1TTE-Code	5m-1.0	.90	.80	.70	.60	.56

Size Code	Dimensions: in. (mm)					
	L	W	t	a	b	c
SL1	.248 ± .012 (6.3 ± .30)	1.22 ± .008 (3.1 ± .20)	.075 ± .008 (1.9 ± .20)	.094 ± .008 (.24 ± .20)	.047 ± .012 (1.2 ± .30)	.047 ± .012 (1.2 ± .30)
SL2	.453 ± .012 (11.5 ± .30)	.276 ± .008 (7 ± .20)	.098 ± .008 (2.5 ± .20)	.197 ± .008 (5 ± .20)	.067 ± .02 (1.7 ± .50)	.102 ± .02 (2.6 ± .50)
SL3	.453 ± .012 (11.5 ± .30)	.276 ± .008 (7 ± .20)	.098 ± .008 (2.5 ± .20)	.197 ± .008 (5 ± .20)	.067 ± .02 (1.7 ± .50)	.102 ± .02 (2.6 ± .50)
TSL	.248 ± .012 (6.3 ± .30)	1.22 ± .008 (3.1 ± .20)	.039 ± .008 (1 ± .20)	.094 ± .008 (.24 ± .20)	.028 ± .008 (.70 ± .20)	.047 ± .012 (1.2 ± .30)

Value (Ω)	Value Code	1 Watt	1 Watt	2 Watt	3 Watt
		SL1	TSL	SL2	SL3
5m	5L00F	X	X	X	X
5.1m	5L10F	X	X	X	X
5.62m	5L62F	X	X	X	X
6.04m	6L04F	X	X		
6.19m	6L19F	X	X	X	X
6.8m	6L80F			X	X
7.50m	7L50F	X	X	X	X
8.00m	8L00F	X	X		
8.25m	8L25F	X	X	X	X
9.09m	9L09F	X	X		
10m	10L0F	X	X	X	X
11m	11L0F	X	X	X	X
12m	12L0F	X	X		
12.1m	12L1F	X	X	X	X
13m	13L0F	X	X	X	X
15m	15L0F	X	X	X	X
16.2m	16L2F	X	X	X	X
17.8m	17L8F	X	X	X	X
20.0m	20L0F	X	X	X	X
22.1m	22L1F	X	X	X	X
23.7m	23L7F	X	X	X	X
24.3m	24L3F	X	X	X	X
26.7m	26L7F			X	X
30.1m	30L1F	X	X	X	X
33.2m	33L2F	X	X	X	X
35.7m	35L7F			X	X
39.2m	39L2F			X	X
40.2m	40L2F	X	X		
43.2m	43L2F			X	X
47.5m	47L5F			X	X
50m	50L0F			X	X
51.0m	51L0F	X	X	X	X
56.2m	56L2F	X	X		
61.9m	61L9F	X	X	X	X
68.0m	68L0F	X	X		
75.0m	75L0F	X	X	X	X
82.5m	82L5F	X	X	X	X
90.9m	90L9F	X	X	X	X
0.1	R100F	X	X	X	X
0.11	R110F	X	X	X	X
0.121	R121F	X	X	X	X
0.13	R130F	X	X	X	X
0.15	R150F	X	X	X	X
0.162	R162F	X	X	X	X
0.221	R221F	X	X	X	X
0.237	R237F	X	X	X	X
0.243	R243F	X	X	X	X
0.267	R267F	X	X	X	X
0.301	R301F	X	X	X	X
0.332	R332F	X	X	X	X
0.357	R357F	X	X	X	X
0.392	R392F	X	X		
0.432	R432F	X	X		
0.475	R475F	X	X		
0.51	R510F	X	X		
0.562	R562F	X	X		
0.619	R619F	X	X		
0.68	R680F	X	X		
0.75	R750F	X	X		
0.825	R825F	X	X		
0.909	R909F	X	X		
1	1R00F	X	X		

TLR AND UR73 SERIES CURRENT SENSING RESISTORS

Features for TLR:

- Metal plate current sensing
- Metal alloy, superior corrosion and heat resistance
- Applications include current sensing, voltage division and pulse applications
- Ultra low resistance (1mΩ-20mΩ)
- Marking: Black body color with marking (3A and 2B only) (3AW: 1mΩ only)

Features for UR73:

- Very low resistance, high precision reliability
- Suitable for reflow and flow soldering
- Utilization of thick film
- Low T.C.R. achieved (±100 ppm/°C)
- Marking: Indigo body color with white marking

MOUSER STOCK NO.	Power Rating	Price Each					Reel
		1	25	100	1000	2000	5000
660-UR732ATTD-Code	0.25W	.81	.72	.63	.54	.50	.45
660-UR732BTTD-Code	0.25W	.81	.72	.63	.54	.50	.45
660-TLR2BD-Code	0.5W	.81	.72	.63	.54	.50	.45
		1	25	100	1000	2000	4000
660-TLR2HD-Code	1W	.86	.76	.67	.57	.52	.48
		1	25	100	1000	2000	2000
660-TLR3AD-Code	1W	1.13	1.00	.88	.75	.69	.63
660-TLR3AWD-Code	1W	1.24	1.10	.92	.83	.76	.69

RoHS Compliant

UR73 Series

Size Code	Dimensions: in. (mm)				
	L	W	H	a	b
2A	.079 ± .008 (2 ± .02)	.049 ± .008 (1.25 ± .20)	.02 ± .004 (.05 ± .10)	.016 ± .008 (.04 ± .20)	.012 +.008 / -.004 (0.3) +.20 / -.10
2B	.126 ± .008 (3.2 ± .20)	.063 ± .008 (1.6 ± .02)	.024 ± .004 (.06 ± .10)	.197 ± .008 (5 ± .20)	.016 +.008 / -.004 (0.4) +.20 / -.10

TLR Series

Size Code	Dimensions: in. (mm)				
	Resistance	L	W	d	t
TLR3A	1mΩ	.25 ± .01 (6.35 ± .25)	.125 ± .01 (3.18 ± .25)	.087 ± .01 (2.2 ± .25)	.024 ± .01 (.62 ± .25)
	2mΩ			.047 ± .01 (1.2 ± .025)	
	3mΩ			.073 ± .01 (1.85 ± .25)	
	4mΩ			.047 ± .01 (1.2 ± .025)	
TLR2B	2, 3, 4, 5, 6, 8, 10, 11, 12, 13, 15, 16, 18, 20m	.126 ± .008 (3.2 ± .20)	.063 ± .008 (1.6 ± .20)	.02 ± .008 (.50 ± .20)	.024 ± .008 (.60 ± .20)
TLR2H	2mΩ-6mΩ	.20 ± .008 (5 ± .20)	.10 ± .008 (2.5 ± .20)	.06 ± .008 (1.5 ± .20)	.024 ± .008 (.60 ± .20)
	7mΩ-10mΩ			.02 ± .008 (.50 ± .20)	
TLR3AW	1mΩ-4mΩ	.25 ± .01 (6.35 ± .25)	.125 ± .01 (3.18 ± .25)	.087 ± .01 (2.2 ± .25)	.024 ± .01 (.62 ± .25)
	5mΩ-8mΩ			.047 ± .01 (1.2 ± .025)	
	9mΩ-10mΩ			.073 ± .01 (1.85 ± .25)	

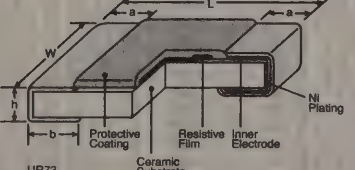
*Not all values available for each series

UR73 Series

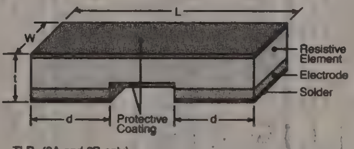
Value (Ω)	Value Code
30m	30LF
33m	33LF
36m	36LF
39m	39LF
43m	43LF
47m	47LF
51m	51LF
56m	56LF
62m	62LF
68m	68LF
75m	75LF
82m	82LF
91m	91LF
0.1	R10F

TLR Series

Value (Ω)	Value Code
1m	1L00F
2m	2L00F
3m	3L00F
4m	4L00F
5m	5L00F
6m	6L00F
7m	7L00F
8m	8L00F
9m	9L00F
10m	10L0F
11m	11L0F
12m	12L0F
13m	13L0F
15m	15L0F
16m	16L0F
18m	18L0F
20m	20L0F



UR73



TLR (3A and 2B only)

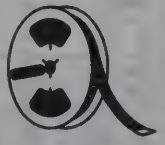
KOA 0402, 0603, 0805, 1206, 1210, 2010 & 2512 - 1% Resistors

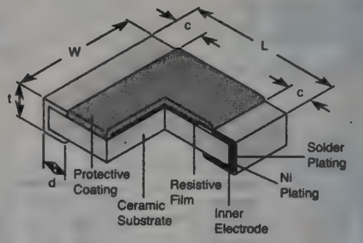
RK73H SERIES - THICK FILM

RoHS Compliant This page of product is compliant.

Features:
- RuO2 thick film resistor element
- Anti-leaching nickel barrier terminations
- Also available with epoxy bondable palladium silver terminations in 2A and 2B sizes
- Meets or exceeds EIA 575, EIAJ RC 2690A, EIA PDP-100, MIL-R-55342F
- Marking: Four-digit black on blue protective coat. No marking on 1H and 1E size. Three-digit on 1J size, E-24 values only.
- Operating temperature: -55°C to +155°C
- TCR (ppm/°C) max = ±100ppm

RoHS Compliant





Available in various tolerances, case sizes, and 10PPM and 50PPM.
Contact a Mouser Sales Representative for more information.

Type (Inch Size Code)	Power Rating	Dimensions: mm				
		L	W	c	d	t
0402	1/16W	1	0.5±0.05	0.2±0.1	0.25	0.35±0.05
0603	1/10W	1.6±0.2	0.8±0.1	0.3±0.1	0.3±0.1	0.45±0.1
0805	1/8W	2.0±0.2	1.25±0.1	0.4±0.2	0.3	0.5±0.1
1206	1/4W	3.2±0.2	1.6±0.2	0.5±0.3	0.4	0.6±0.1
1210	1/3W	3.2±0.2	2.6±0.2	0.5±0.3	0.4	0.6±0.1
2010	3/4W	5.0±0.2	2.5±0.2	0.5±0.3	0.4	0.6±0.1
2512	1W	6.3±0.2	3.1±0.2	0.5±0.3	0.4	0.6±0.1

∗ Insert **Value Code** from Table of Stocked Values

Size	MOUSER STOCK NO.		Price Each			Reel	
		Value	1	100	1000	Qty.	Price Per Piece
0402	660-RK73H1ETTP	Code	.08	.025	.017	10000	.004
0603	660-RK73H1JTTD	Code	.08	.025	.014	5000	.005
0805	660-RK73H2ATTD	Code	.08	.026	.016	5000	.006
1206	660-RK73H2BTTD	Code	.10	.033	.023	5000	.008
1210	660-RK73H2ETTD	Code	.25	.10	.068	5000	.05
2010	660-RK73H2HTTE	Code	.40	.20	.10	4000	.08
2512	660-RK73H3ATTE	Code	.40	.30	.20	4000	.15

TABLE OF STOCKED VALUES (Page 1)

Value	Value Code ∗	Case Sizes						
		0402	0603	0805	1206	1210	2010	2512
10	10R0F	X	X	X	X	X	X	X
10.2	10R2F	X	X	X	X			
10.5	10R5F		X	X	X			
10.7	10R7F		X					
11	11R0F		X	X	X	X		
11.3	11R3F	X	X	X	X			
11.5	11R5F	X	X	X	X			
11.8	11R8F		X	X	X		X	
12.1	12R1F	X	X	X	X	X	X	
12.4	12R4F	X	X	X	X			
12.7	12R7F		X	X	X	X		
13	13R0F	X	X	X	X			
13.3	13R3F		X	X	X			
13.7	13R7F		X		X			
14	14R0F	X	X	X	X	X		
14.3	14R3F	X	X	X	X			
14.7	14R7F		X	X	X			
15	15R0F	X	X	X	X	X	X	X
15.4	15R4F		X	X	X			
15.8	15R8F		X					
16.2	16R2F		X	X	X	X		
16.5	16R5F		X	X	X	X		
16.9	16R9F		X	X				
17.4	17R4F		X	X	X			
17.8	17R8F	X	X	X				X
18.2	18R2F	X	X	X	X	X	X	
18.7	18R7F	X	X	X	X			
19.1	19R1F		X	X				X
19.6	19R6F	X	X	X	X			
20	20R0F	X	X	X	X	X	X	X
20.5	20R5F		X	X	X	X		
21	21R0F		X	X	X			X
21.5	21R5F		X	X	X	X		
22.1	22R1F	X	X	X	X	X	X	X
22.6	22R6F		X	X	X		X	
23.2	23R2F		X	X	X	X		
23.7	23R7F		X	X	X		X	X
24.3	24R3F	X	X	X	X	X	X	
24.9	24R9F	X	X	X	X	X	X	
25.5	25R5F		X	X	X	X	X	
26.1	26R1F		X	X	X			X
26.7	26R7F	X	X	X	X			X
27.4	27R4F	X	X	X	X	X	X	X
28	28R0F		X		X			
28.7	28R7F		X	X	X		X	
29.4	29R4F			X	X			
30.1	30R1F	X	X	X	X	X	X	X
30.9	30R9F	X	X	X	X			
31.6	31R6F	X	X	X	X	X		
32.4	32R4F		X	X	X			
33.2	33R2F	X	X	X	X	X	X	X
34	34R0F	X	X	X	X			
34.8	34R8F		X	X	X	X	X	X
35.7	35R7F	X	X	X	X		X	X
36.5	36R5F	X	X	X	X	X		
37.4	37R4F	X	X	X	X	X		
38.3	38R3F	X	X	X	X	X		
39.2	39R2F	X	X	X	X	X	X	X
40.2	40R2F		X	X	X	X	X	X
41.2	41R2F	X		X	X	X		
42.2	42R2F	X	X	X	X			X
43.2	43R2F	X	X	X	X			
44.2	44R2F	X	X	X	X	X	X	
45.3	45R3F		X	X	X			
46.4	46R4F	X	X	X	X			
47.5	47R5F	X	X	X	X	X	X	X
48.7	48R7F		X	X	X			
49.9	49R9F	X	X	X	X	X	X	X
51.1	51R1F	X	X	X	X	X	X	X
52.3	52R3F		X	X	X	X		
53.6	53R6F	X	X	X	X	X	X	
54.9	54R9F	X	X	X	X	X		
56.2	56R2F	X	X	X	X	X	X	X
57.6	57R6F	X	X	X	X	X		X
59	59R0F		X	X	X	X		X
60.4	60R4F	X	X	X	X	X		
61.9	61R9F	X	X	X	X	X	X	X
63.4	63R4F	X	X	X	X	X		
64.9	64R9F		X	X	X		X	
66.5	66R5F	X	X	X	X	X		
68.1	68R1F	X	X	X	X	X	X	X
69.8	69R8F		X	X	X	X		
71.5	71R5F	X	X	X	X	X		
73.2	73R2F		X	X	X			
75	75R0F	X	X	X	X	X	X	X
76.8	76R8F			X	X			
78.7	78R7F		X	X	X			
80.6	80R6F	X	X	X	X		X	X
82.5	82R5F	X	X	X	X	X	X	
84.5	84R5F	X	X	X	X			
86.6	86R6F	X	X	X	X	X		
88.7	88R7F	X	X	X	X			X
90.9	90R9F		X	X	X	X	X	
93.1	93R1F	X	X	X	X			
95.3	95R3F	X	X	X	X	X	X	
97.6	97R6F		X	X	X			
100	1000F	X	X	X	X	X	X	X
102	1020F	X	X	X	X			
105	1050F	X	X	X	X			
107	1070F		X	X	X			
110	1100F	X	X	X	X	X		
113	1130F		X	X	X			
115	1150F	X	X	X	X	X		
118	1180F	X	X	X	X			
121	1210F	X	X	X	X	X	X	X
124	1240F	X	X	X	X	X		
127	1270F	X	X	X	X			
130	1300F	X	X	X	X	X		
133	1330F	X	X	X	X	X		X
137	1370F		X	X	X	X		
140	1400F	X	X	X	X	X		X
143	1430F	X	X	X	X			
147	1470F	X	X	X	X	X		
150	1500F	X	X	X	X	X	X	X
154	1540F		X	X	X			X
158	1580F	X	X	X	X			
162	1620F	X	X	X	X	X	X	
165	1650F	X	X	X	X			
169	1690F	X	X	X	X	X		
174	1740F	X	X	X	X			
178	1780F	X	X	X	X	X		
182	1820F	X	X	X	X	X	X	X
187	1870F		X	X	X			
191	1910F		X	X	X	X		X
196	1960F	X	X	X	X			
200	2000F	X	X	X	X	X	X	X
205	2050F			X	X			
210	2100F	X	X	X	X	X		
215	2150F		X	X	X	X		
221	2210F		X	X	X	X	X	X
226	2260F		X	X	X	X		
232	2320F		X	X	X			
237	2370F	X	X	X	X	X		
243	2430F	X	X	X	X	X	X	X
249	2490F	X	X	X	X	X	X	X
255	2550F		X	X	X			
261	2610F	X	X	X	X	X		
267	2670F	X	X	X	X	X	X	
274	2740F	X	X	X	X	X	X	
280	2800F		X	X	X	X	X	
287	2870F	X	X	X	X			
294	2940F	X	X	X	X			X
301	3010F	X	X	X	X	X	X	X
309	3090F		X	X	X	X		
316	3160F	X	X	X	X	X		
324	3240F		X	X	X		X	
332	3320F	X	X	X	X	X	X	
340	3400F	X	X	X	X	X		
348	3480F	X	X	X	X	X		
357	3570F		X		X		X	X
365	3650F	X	X	X	X	X		
374	3740F		X	X	X		X	
383	3830F		X	X	X		X	
392	3920F	X	X	X	X	X	X	
402	4020F	X	X	X	X	X	X	X
412	4120F		X	X	X	X		X
422	4220F	X	X	X	X			
432	4320F	X	X	X	X	X		X
442	4420F	X	X	X	X			
453	4530F	X	X	X	X			
464	4640F	X	X	X	X	X		X
475	4750F	X	X	X	X	X	X	X
487	4870F	X	X	X	X	X		
499	4990F	X	X	X	X	X	X	X
511	5110F	X	X	X	X	X	X	X
523	5230F	X	X	X	X			
536	5360F	X	X	X	X			
549	5490F	X	X	X	X			
562	5620F	X	X	X	X	X	X	
576	5760F	X	X	X	X	X		
590	5900F	X	X	X	X			
604	6040F	X	X	X	X	X		X
619	6190F		X	X	X	X	X	
634	6340F	X	X	X	X			
649	6490F	X	X		X	X		
665	6650F	X	X	X	X			

KOA 0402, 0603, 0805, 1206, 1210, 2010 & 2512 - 1% Resistors

KOA SPEER ELECTRONICS, INC.

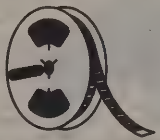
RK73H SERIES - THICK FILM (CONT.)

RoHS Compliant **This page of product is compliant.**

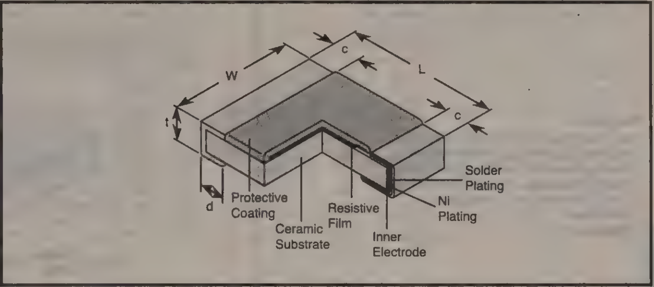
Features:

- RuO2 thick film resistor element
- Anti-leaching nickel barrier terminations
- Also available with epoxy bondable palladium silver terminations in 2A and 2B sizes
- Meets or exceeds EIA 575, EIAJ RC 2690A, EIA PDP-100, MIL-R-55342F
- Marking: Four-digit black on blue protective coat. No marking on 1H and 1E size. Three-digit on 1J size, E-24 values only.
- Operating temperature: -55°C to +155°C
- TCR(ppm/°C) max: ±100ppm

RoHS Compliant



Available in various tolerances, case sizes, and 10PPM and 50PPM. Contact a Mouser Sales Representative for more information.



Type (Inch Size Code)	Power Rating	Dimensions: mm				
		L	W	c	d	t
1E 0402	1/16W	1	0.5±0.05	0.2±0.1	0.25	0.35±0.05
1J 0603	1/10W	1.6±0.2	0.8±0.1	0.3±0.1	0.3±0.1	0.45±0.1
2A 0805	1/8W	2.0±0.2	1.25±0.1	0.4±0.2	0.3	0.5±0.1
2B 1206	1/4W	3.2±0.2	1.6±0.2	0.5±0.3	0.4	0.6±0.1
2E 1210	1/3W	3.2±0.2	2.6±0.2	0.5±0.3	0.4	0.6±0.1
2H 2010	3/4W	5.0±0.2	2.5±0.2	0.5±0.3	0.4	0.6±0.1
3A 2512	1W	6.3±0.2	3.1±0.2	0.5±0.3	0.4	0.6±0.1

∗Insert **Value Code** from Table of Stocked Values

Size	MOUSER STOCK NO.		Price Each			Reel	
		Value	1	100	1000	Qty.	Price Per Piece
0402	660-RK73H1ETTP	Code	.08	.025	.017	10000	.004
0603	660-RK73H1JTTD	Code	.08	.025	.014	5000	.005
0805	660-RK73H2ATTD	Code	.08	.026	.016	5000	.006
1206	660-RK73H2BTTD	Code	.10	.033	.023	5000	.008
1210	660-RK73H2ETTD	Code	.25	.10	.068	5000	.05
2010	660-RK73H2HTTE	Code	.40	.20	.10	4000	.08
2512	660-RK73H3ATTE	Code	.40	.30	.20	4000	.15

TABLE OF STOCKED VALUES (Page 2)

Value	Value Code ∗	Case Sizes						
		0402	0603	0805	1206	1210	2010	2512
681	6810F		X	X	X	X	X	X
698	6980F	X	X	X	X			
715	7150F		X	X	X			
732	7320F	X	X	X	X			
750	7500F		X	X	X	X	X	X
768	7680F	X	X	X	X			
787	7870F	X	X	X	X	X		
806	8060F	X	X	X	X	X		
825	8250F		X	X	X	X	X	
845	8450F		X	X	X			
866	8660F		X	X	X			
887	8870F	X	X	X	X	X		
909	9090F	X	X	X	X	X		
931	9310F		X	X	X			
953	9530F		X	X	X	X		
976	9760F	X	X	X	X			
1K	1001F	X	X	X	X	X	X	X
1.02K	1021F	X	X	X	X			
1.05K	1051F		X	X	X			
1.07K	1071F	X	X	X	X			
1.1K	1101F	X	X	X	X			
1.13K	1131F	X	X	X	X			
1.15K	1151F		X	X	X		X	X
1.18K	1181F	X	X	X	X			
1.21K	1211F	X	X	X	X	X	X	X
1.24K	1241F		X	X	X			
1.27K	1271F	X	X	X	X			
1.3K	1301F	X	X	X	X	X		
1.33K	1331F			X	X			
1.37K	1371F	X	X	X	X			
1.4K	1401F	X	X	X	X	X		
1.43K	1431F		X	X	X			
1.47K	1471F	X	X	X	X	X		
1.5K	1501F		X	X	X	X	X	X
1.54K	1541F	X	X	X	X			
1.58K	1581F		X	X	X			
1.62K	1621F	X	X	X	X	X		
1.65K	1651F	X	X	X	X	X	X	
1.69K	1691F		X	X	X			
1.74K	1741F	X	X	X	X	X		
1.78K	1781F	X	X	X	X			
1.82K	1821F	X	X	X	X	X	X	
1.87K	1871F		X	X	X			
1.91K	1911F	X	X	X	X			
1.96K	1961F	X	X	X	X			
2K	2001F		X	X	X	X	X	X
2.05K	2051F		X	X	X			
2.1K	2101F		X	X	X	X		
2.15K	2151F	X	X	X	X			
2.21K	2211F		X	X	X	X		X
2.26K	2261F		X	X	X	X		
2.32K	2321F	X	X	X	X			
2.37K	2371F	X	X	X	X	X	X	
2.43K	2431F	X	X	X	X	X		
2.49K	2491F		X	X	X	X		
2.55K	2551F	X	X	X	X	X		
2.61K	2611F	X	X	X	X			
2.67K	2671F	X	X	X	X			
2.74K	2741F		X	X	X	X		
2.87K	2871F	X	X	X	X			
2.8K	2801F	X	X	X	X		X	X

Value	Value Code ∗	Case Sizes						
		0402	0603	0805	1206	1210	2010	2512
2.94K	2941F	X	X	X	X			
3.01K	3011F	X	X	X	X	X	X	
3.09K	3091F	X	X	X	X			
3.16K	3161F	X	X	X	X	X		
3.24K	3241F	X	X	X	X	X		
3.32K	3321F	X	X	X	X	X	X	X
3.4K	3401F	X	X	X	X			
3.48K	3481F	X	X	X	X			
3.57K	3571F	X	X	X	X			
3.65K	3651F	X	X	X	X			
3.74K	3741F	X	X	X	X		X	X
3.83K	3831F	X	X	X	X			
3.92K	3921F	X	X	X	X	X		X
4.02K	4021F	X	X	X	X	X		X
4.12K	4121F	X	X	X	X			
4.22K	4221F	X	X	X	X			
4.32K	4321F	X	X	X	X	X	X	
4.42K	4421F		X	X	X			
4.53K	4531F	X	X	X	X	X		
4.64K	4641F	X	X	X	X	X		
4.75K	4751F	X	X	X	X	X	X	X
4.87K	4871F		X	X	X			
4.99K	4991F	X	X	X	X	X	X	X
5.11K	5111F	X	X	X	X	X	X	X
5.23K	5231F	X	X	X	X			
5.36K	5361F	X	X	X	X			X
5.49K	5491F	X	X	X	X			
5.62K	5621F	X	X	X	X	X	X	X
5.76K	5761F	X	X	X	X			
5.9K	5901F	X	X	X	X			
6.04K	6041F	X	X	X	X			
6.19K	6191F	X	X	X	X	X		X
6.34K	6341F	X	X	X	X			
6.49K	6491F	X	X	X	X			
6.65K	6651F	X	X	X	X			X
6.81K	6811F	X	X	X	X	X	X	
6.98K	6981F		X	X	X	X		X
7.15K	7151F	X	X	X	X	X		
7.32K	7321F	X	X	X	X	X		
7.5K	7501F	X	X	X	X	X	X	X
7.68K	7681F		X	X	X	X		
7.87K	7871F		X	X	X			
8.06K	8061F	X	X	X	X	X		
8.25K	8251F	X	X	X	X	X		
8.45K	8451F	X	X	X	X			
8.66K	8661F	X	X	X	X	X		
8.87K	8871F	X	X	X	X			
9.09K	9091F	X	X	X	X	X		
9.31K	9311F	X	X	X	X			
9.53K	9531F	X	X	X	X	X		
9.76K	9761F		X	X	X			
10K	1002F	X	X	X	X	X	X	X
10.2K	1022F	X	X	X	X	X		
10.5K	1052F	X	X	X				
10.7K	1072F	X	X	X				
11K	1102F	X	X	X	X			
11.3K	1132F		X	X		X		
11.5K	1152F	X	X	X	X	X		
11.8K	1182F	X	X	X	X			
12.1K	1212F	X	X	X	X	X		X
12.4K	1242F	X	X	X	X			

Value	Value Code ∗	Case Sizes						
		0402	0603	0805	1206	1210	2010	2512
12.7K	1272F	X	X	X	X			
13K	1302F	X	X	X	X			
13.3K	1332F	X	X	X	X			
13.7K	1372F	X	X	X	X			
14K	1402F	X	X	X	X			
14.3K	1432F	X	X	X	X		X	
14.7K	1472F	X	X	X	X			
15K	1502F	X	X	X	X	X	X	X
15.4K	1542F		X	X	X			
15.8K	1582F	X	X	X	X			
16.2K	1622F	X	X	X	X			
16.5K	1652F	X	X	X	X		X	
16.9K	1692F	X	X	X	X			
17.4K	1742F	X	X	X	X	X		
17.8K	1782F	X	X	X	X			
18.2K	1822F	X	X	X	X	X		
18.7K	1872F	X	X	X	X			
19.1K	1912F	X	X	X	X			
19.6K	1962F	X	X	X	X			
20K	2002F	X	X	X	X	X	X	X
20.5K	2052F	X	X	X	X	X		
21K	2102F	X	X	X	X			
21.5K	2152F	X	X	X	X	X		
22.1K	2212F	X	X	X	X	X		X
22.6K	2262F	X	X	X	X			
23.2K	2322F		X	X	X			
23.7K	2372F	X	X	X	X			
24.3K	2432F	X	X	X	X	X		
24.9K	2492F	X	X	X	X	X		X
25.5K	2552F		X	X	X	X		
26.1K	2612F	X	X	X	X	X		
26.7K	2672F	X	X	X	X			
27.4K	2742F	X	X	X	X			
28.7K	2872F	X	X	X	X			
28K	2802F		X	X	X			X
29.4K	2942F	X	X	X	X			
30.1K	3012F	X	X	X	X	X		
30.9K	3092F		X	X	X			
31.6K	3162F	X	X	X	X			
32.4K	3242F	X	X	X	X		X	
33.2K	3322F	X	X	X	X	X		X
34K	3402F	X	X	X	X			
34.8K	3482F	X	X	X	X	X		
35.7K	3572F	X	X	X	X	X		
36.5K	3652F	X	X	X	X			
37.4K	3742F	X	X	X	X			
38.3K	3832F		X	X	X			X
39.2K	3922F	X	X	X	X	X		
40.2K	4022F	X	X	X	X	X		
41.2K	4122F	X	X	X	X			
42.2K	4222F	X	X	X	X			
43.2K	4322F		X	X	X			
44.2K	4422F		X	X	X			
45.3K	4532F	X	X	X	X			
46.4K	4642F		X	X	X			
47.5K	4752F	X	X	X	X		X	
48.7K	4872F		X	X	X			
49.9K	4992F	X	X	X	X	X	X	
51.1K	5112F	X	X	X	X	X		
52.3K	5232F		X	X	X			
54.9K	5492F	X	X	X	X			

Value	Value Code ∗	Case Sizes						
		0402	0603	0805	1206	1210	2010	2512
56.2K	5622F	X	X	X	X			
57.6K	5762F		X	X	X			
59K	5902F	X	X	X	X			
60.4K	6042F	X	X	X	X			
61.9K	6192F	X	X	X	X	X		
63.4K	6342F	X	X	X	X			
64.9K	6492F	X	X	X	X			
66.5K	6652F	X	X	X	X			
68.1K	6812F	X	X	X	X	X		
69.8K	6982F	X	X	X	X			X
71.5K	7152F		X	X	X	X		
73.2K	7322F		X	X	X			
75K	7502F	X	X	X	X	X	X	
76.8K	7682F		X	X	X	X		
78.7K	7872F		X	X	X			
80.6K	8062F	X	X	X	X	X		
82.5K	8252F	X	X	X	X	X		
84.5K	8452F	X	X	X	X			
86.6K	8662F	X	X	X	X			
88.7K	8872F	X	X	X	X			
90.9K	9092F	X	X	X	X	X		
93.1K	9312F		X	X	X			
95.3K	9532F	X	X	X	X			
97.6K	9762F	X	X	X	X			
100K	1003F	X	X	X	X	X	X	X
102K	1023F	X	X	X				
105K	1053F		X	X	X			
107K	1073F		X	X				
110K	1103F	X	X	X	X	X		
113K	1133F	X	X	X				
115K	1153F	X	X	X	X			
118K	1183F		X	X	X			
121K	1213F	X	X	X	X			X
124K	1243F		X	X	X			
127K	1273F	X	X	X	X			
130K	1303F	X	X	X	X	X	X	
133K	1333F	X	X	X	X			
137K	1373F	X	X	X	X			
140K	1403F		X	X	X			
143K	1433F	X	X	X	X			
147K	1473F	X	X	X	X			
150K	1503F	X	X	X	X	X		
150K	1503F	X	X	X	X	X		
154K	1543F	X	X	X	X			
158K	1583F	X	X	X	X			
162K	1623F		X	X	X			
165K	1653F		X	X	X			
169K	1693F	X	X	X	X			
174K	1743F	X	X	X	X			
178K	1783F	X	X	X	X			
182K	1823F	X	X	X	X	X		
187K	1873F	X	X	X	X			
191K	1913F		X	X	X			
196K	1963F	X	X	X	X	X		
200K	2003F	X	X	X	X	X	X	
205K	2053F	X	X	X	X	X		
210K	2103F		X	X	X			
215K	2153F	X	X	X	X			
221K	2213F	X	X	X	X			
226K	2263F	X	X	X	X			
232K	2323F		X	X	X			

Value	Value Code ∗	Case Sizes						
		0402	0603	0805	1206	1210	2010	2512
237K	2373F	X	X	X	X			
243K	2433F	X	X	X	X			
249K	2493F	X	X	X	X	X		
255K	2553F	X	X	X	X			
261K	2613F	X	X	X	X			
267K	2673F	X	X	X	X			
274K	2743F	X	X	X	X			X
280K	2803F	X	X	X	X			
287K	2873F	X	X	X	X			
294K	2943F	X	X	X	X			
301K	3013F	X	X	X	X	X		
309K	3093F	X	X	X	X			
316K	3163F	X	X	X	X			
324K	3243F	X	X	X	X			
332K	3323F	X	X	X	X	X		X
340K	3403F	X	X	X	X			
348K	3483F		X	X	X			
357K	3573F	X	X	X	X			
365K	3653F	X	X	X	X			
374K	3743F	X	X	X	X			
383K	3833F	X	X	X	X			
392K	3923F		X	X	X			
402K	4023F	X	X	X	X			
412K	4123F		X	X	X			
422K	4223F	X	X	X	X			
432K	4323F	X	X	X	X	X		
442K	4423F	X	X	X	X			
453K	4533F	X	X	X	X			
464K	4643F	X	X	X	X			
475K	4753F	X	X	X	X	X		
487K	4873F	X	X	X	X			
499K	4993F	X	X	X	X		X	
511K	5113F	X	X	X	X	X		
523K	5233F	X	X	X	X			
536K	5363F	X	X	X	X			
549K	5493F	X	X	X	X			
562K	5623F	X	X	X	X			
576K	5763F	X	X	X	X			
590K	5903F		X	X	X			
604K	6043F	X	X	X	X			
619K	6193F	X	X	X	X			
634K	6343F	X	X	X	X			
649K	6493F		X	X	X			
665K	6653F	X	X	X	X			
681K	6813F	X	X	X	X			
698K	6983F	X	X	X	X			
715K	7153F	X	X	X	X			
732K	7323F		X	X	X			
768K	7683F	X	X	X	X			
787K	7873F	X	X	X	X			
806K	8063F	X	X	X	X			
825K	8253F		X	X	X	X		
845K	8453F		X	X	X			
866K	8663F	X	X	X	X			
887K	8873F		X	X				
909K	9093F	X	X	X	X			
931K	9313F		X	X	X			
953K	9533F		X	X	X			
976K	9763F		X	X	X			
1M	1004F	X	X	X	X	X		X
3.65M	3654F			X				

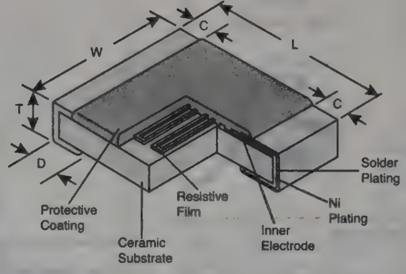
KOA 0603, 0805, 1206 - 0.1% 25ppm Resistors

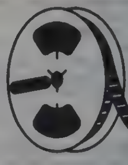
This page of product is compliant.

RN73 SERIES - THIN FILM

Features:
- Nickel chromium thin film resistor element
- Anti-leaching nickel barrier terminations
- Meets or exceeds EIA 576, MIL-R-55342F
- Marking: Four-digit, distinctive color identifiers (Only E-24 values are marked on 1J)
- TCR: 25ppm
- Tolerance: 0.1%

RoHS Compliant





Available in various tolerances, case sizes, and 10PPM and 50PPM.
Contact a Mouser Sales Representative for more information.

Type (Inch Size Code)	Power Rating	Dimensions: in.				
		L	W	c	d	t
0402	1/16 W	.039±.004	.02±.002	.008±.004	.01±.004	.014±.002
0603	1/16 W	.063±.008	031±.004	012±.004	.012±.004	.018±.004
0805	1/10 W	.079±.008	.049±.004	.016±.008	.012 +.008 -.004	.02±.004
1206	1/8 W	.126±.008	.063±.008	.02±.012	.016 +.008 -.004	.024±.004

∗Insert **Value Code** from Table of Stocked Values

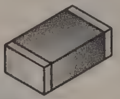
Size	MOUSER STOCK NO.	Price Each					
	Value	1	100	1000	Reel Quantity		
					5000	10000	25000
0402	660-RN731ETTP Code B25	.76	.56	.47	.38	.34	.30
0603	660-RN731JTTD Code B25	.58	.43	.36	.29	.26	.23
0805	660-RN732ATTD Code B25	.54	.40	.34	.27	.24	.22
1206	660-RN732BTTD Code B25	.62	.46	.39	.31	.28	.25

TABLE OF STOCKED VALUES

Value	Value Code ∗	Case Sizes			
		0402	0603	0805	1206
56.2	56R2			X	
71.5	71R5			X	
73.2	73R2			X	
75	75R0			X	X
79.6	79R6				X
82.5	82R5			X	
100	1000	X	X	X	X
102	1020				X
104	1040				X
110	1100				X
115	1150				X
121	1210				X
124	1240				X
127	1270				X
140	1400			X	
147	1470				X
150	1500			X	X
178	1780				X
182	1820			X	
196	1960	X	X	X	
200	2000	X	X	X	X
205	2050	X	X		
215	2150				X
249	2490			X	X
287	2870			X	
300	3000				X
301	3010	X	X		X
332	3320			X	
383	3830				X
388	3880			X	
390	3900			X	
392	3920			X	
402	4020				X
412	4120			X	
432	4320			X	
442	4420			X	
499	4990	X	X	X	X
511	5110				X
560	5600			X	
590	5900				X
604	6040			X	
619	6190			X	
750	7500			X	
787	7870			X	
825	8250	X	X	X	X
845	8450				X
887	8870			X	
900	9000				X
953	9530	X	X		
1K	1001	X	X	X	X
1.02K	1021				X
1.13K	1131				X
1.15K	1151			X	
1.2K	1201	X			
1.21K	1211			X	
1.24K	1241	X	X	X	X
1.3K	1301				X
1.4K	1401			X	
1.5K	1501	X	X	X	X
1.62K	1621	X	X		X
1.69K	1691	X	X		X
1.78K	1781			X	X
1.87K	1871			X	X
1.96K	1961	X	X	X	
2K	2001	X	X	X	X
2.05K	2051			X	X
2.15K	2151				X
2.26K	2261			X	
2.32K	2321			X	X
2.34K	2341				X
2.49K	2491	X	X	X	X
2.55K	2551				X
2.61K	2611	X	X		X
2.67K	2671		X	X	X
2.74K	2741	X	X	X	X
2.8K	2801			X	X
2.84K	2841			X	
2.87K	2871	X	X	X	
2.94K	2941			X	
3K	3001			X	X
3.01K	3011			X	X
3.12K	3121			X	
3.16K	3161				X
3.32K	3321	X	X		X
3.48K	3481				X
3.65K	3651				X
3.74K	3741	X	X	X	
3.83K	3831			X	
3.88K	3881	X	X		
3.92K	3921			X	
4K	4001				X
4.02K	4021	X	X		X
4.12K	4121			X	
4.17K	4171				X
4.37K	4371	X	X		
4.42K	4421			X	
4.48K	4481				X
4.53K	4531			X	
4.64K	4641				X
4.7K	4701			X	
4.75K	4751	X	X	X	
4.87K	4871	X	X	X	X
4.99K	4991	X	X	X	X
5K	5001				X
5.11K	5111			X	X
5.23K	5231	X	X		
5.36K	5361			X	X
5.42K	5421				X
5.49K	5491				X
5.62K	5621				X
5.76K	5761			X	
6K	6001				X
6.04K	6041	X	X	X	X
6.19K	6191			X	X
6.2K	6201			X	
6.26K	6261			X	
6.34K	6341				X
6.49K	6491	X	X		
6.57K	6571				X
6.81K	6811			X	X
6.98K	3981			X	
7.15K	7151				X
7.41K	7411				X
7.5K	7501	X	X	X	X
7.68K	7681			X	
7.77K	7771				X
7.87K	7871			X	
8.06K	8061			X	X
8.25K	8251			X	
8.66K	8661			X	X
8.87K	8871			X	
9.09K	9091			X	X
9.2K	9201	X	X		
9.31K	9311			X	X
9.42K	9421				X
9.53K	9531				X
9.76K	9761				X
9.88K	9881	X	X		
10K	1002	X	X	X	X
10.1K	1012			X	
10.2K	1022	X	X		X
10.4K	1042	X	X		
10.5K	1052			X	
10.7K	1072	X		X	
10.9K	1092			X	
11K	1102				X
11.1K	1112				X
11.3K	1132	X	X	X	X
11.5K	1152			X	
11.7K	1172				X
11.8K	1182	X		X	X
12K	1202	X	X		
12.1K	1212	X	X	X	X
12.3K	1232				X
12.4K	1242			X	X
12.7K	1272				X
13K	1302	X	X		X
13.3K	1332	X	X	X	
13.5K	1352			X	X
13.7K	1372	X	X		X
13.8K	1382				X
14K	1402			X	X
14.3K	1432			X	X
14.7K	1472				X
15K	1502			X	X
15.4K	1542				X
16K	1602				X
16.2K	1622				X
16.5K	1652	X	X	X	
16.9K	1692			X	
17.2K	1722	X			
17.4K	1742			X	
17.8K	1782			X	
18K	1802			X	X
18.2K	1822			X	X
18.7K	1872				X
19K	1902				X
19.1K	1912			X	X
19.6K	1962				X
20K	2002	X	X	X	X
20.5K	2052			X	
21.3K	2132			X	
21.5K	2152			X	
21.8K	2182			X	
22.1K	2212	X	X	X	X
22.6K	2262			X	X
23.2K	2322			X	X
23.7K	2372			X	X
24.3K	2432			X	
24.9K	2492	X	X	X	X
25.5K	2552			X	X
26.1K	2612			X	X
26.7K	2672	X	X	X	
27.4K	2742	X	X	X	
28K	2802				X
28.7K	2872				X
29.4K	2942				X
30K	3002	X	X	X	X
30.1K	3012			X	X
30.9K	3092			X	
31.6K	3162			X	
33.2K	3322			X	
34K	3402			X	
34.8K	3482			X	X
36.5K	3652			X	
38.3K	3832				X
39.2K	3922			X	X
40K	4002				X
40.2K	4022	X	X	X	X
42.2K	4222			X	
43.2K	4322			X	
44.2K	4422			X	X
45.3K	4532			X	X
47K	4702			X	
47.5K	4752	X	X	X	X
48.7K	4872			X	
49.9K	4992	X	X	X	X
50K	5002				X
51.1K	5112			X	X
52.3K	5232			X	
53.6K	5362				X
56.2K	5622			X	X
57.6K	5762			X	
59K	5902			X	
60.4K	6042				X
61.9K	6192			X	
62K	6202			X	
63.4K	6342			X	
66.5K	6652			X	
68.1K	6812			X	X
73.2K	7322			X	
75K	7502			X	
76.8K	7682			X	X
78.7K	7872				X
79.6K	7962			X	
82.5K	8252			X	X
84.5K	8452			X	X
86.6K	8662			X	X
89.8K	8982				X
90K	9002				X
90.9K	9092			X	X
95.3K	9532			X	
97.6K	9762			X	
100K	1003	X	X	X	X
102K	1023				X
110K	1103				X
118K	1183				X
200K	2003			X	
332K	3323				X
392K	3923				X
402K	4023				X
499K	4993				X
1M	1004				X

VISHAY / DALE 0402, 0603, 0805, 1206, 2010, 2512 - 1% Resistors

CRCW SERIES - THICK FILM - 1% SMT RESISTORS



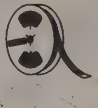
Available in Reels

Specifications:

- Resistance tolerance: ±1%
- Operating temperature: -55°C to +150°C
- Temperature coefficient: ±100ppm
- Cut Tape and Reels available
- Industry standard sizes

RoHS Compliant

LEAD-FREE



†These are stocked values, other E-96 values available, call (800) 346-6873 for more details.

Insert **Value Code** from Table of Stocked Values

For quantities greater than 2000, call for quote.

Size	MOUSER STOCK NO.	Value		Power Rating	Price Each			Reel	
					1	100	1000	Quantity	Price Each
0402	71-CRCW0402-	Code	-E3	1/16 Watt	.10	.026	.018	10K	.008
0603	71-CRCW0603-	Code	-E3	1/10 Watt	.08	.025	.016	5K	.007
0805	71-CRCW0805-	Code	-E3	1/8 Watt	.08	.026	.016	5K	.007
1206	71-CRCW1206-	Code	-E3	1/4 Watt	.10	.033	.023	5K	.01
2010	71-CRCW2010-	Code	-E3	1/2 Watt	.40	.20	.10	4K	.08
2512	71-CRCW2512-	Code	-E3	1 Watt	.40	.30	.20	2K	.15

TABLE OF STOCKED VALUES

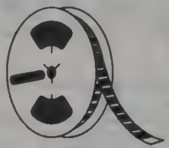
Value	Case Sizes					
	0402	0603	0805	1206	2010	2512
0	X	X	X	X	X	X
5					X	
2				X		
4.7				X		
4.75	X			X		
4.99		X				
10	X	X	X	X	X	X
11.5			X			
12.1		X	X	X		
14				X		
15	X	X	X	X		
18.2		X	X	X		
20	X	X	X	X		X
20.5				X		
21.5	X	X	X	X		
22		X	X			
22.1	X	X	X	X		
23.7		X	X	X		
24.3		X				
24.9	X	X	X	X		X
27.4	X	X	X	X		
28		X	X	X		
30.1	X	X	X	X		
33		X		X		
33.2	X	X	X	X		
37.4	X	X	X	X		
39.2	X	X	X	X		
40.2	X	X	X	X		
42.2		X	X	X		
43.2	X	X	X	X		
46.4	X	X	X	X		
47		X		X		
47.5	X	X	X	X		
48.7			X	X		
49.9	X	X	X	X	X	
51.1	X	X	X	X	X	X
56.2	X	X	X	X		
60.4	X	X	X	X		
61.9	X	X	X	X		
64.9		X	X	X		
68.1	X	X	X	X		
71.5		X	X	X		
75	X	X	X	X		
78.7		X	X	X		
80.6		X	X	X		
82.5	X	X	X	X		
90.9	X	X	X	X		
97.6			X			
100	X	X	X	X	X	X
107	X	X	X	X		
110		X	X	X		
115	X	X	X	X		
118		X	X	X		
120		X		X	X	
121	X	X	X	X		
124	X	X	X	X		
130	X	X	X	X		
133	X	X	X	X		
137		X	X	X		
140		X	X	X		
143		X	X	X		
147	X	X	X	X		
150	X	X	X	X		
158	X	X	X	X		
162		X				
165		X				
169		X	X	X		
174	X	X	X	X		
178		X	X	X		
180		X				
182	X	X	X	X		
196		X	X	X		
200	X	X	X	X		
215		X	X	X		
220	X	X	X	X		
221	X	X	X	X		
232		X	X	X		
237	X	X	X	X		
240		X		X		
243	X	X	X	X		
249	X	X	X	X		
255		X	X	X		
261		X	X	X		
267		X	X	X		
270		X	X			
274	X	X	X	X		
280	X	X	X	X		
294	X	X	X	X		
301	X	X	X	X		
316		X	X	X		
324		X	X	X		
330	X	X	X	X		
332	X	X	X	X		
348	X	X	X	X		
357		X	X	X		
365		X	X	X		
374		X	X	X		
383		X	X	X		
392	X	X	X	X		
402		X	X	X		
412			X			
422	X	X	X	X		
432	X	X	X	X		
442	X	X	X	X		
453		X	X	X		
464		X	X	X		
470		X	X	X	X	
475	X	X	X	X		
487			X	X		
499	X	X	X	X	X	
510				X		
511	X	X	X	X		
523		X	X	X		
536				X	X	
549		X	X	X		
560			X			
562		X	X	X		
590		X	X	X		
604	X	X	X	X		
619	X	X	X	X		
649	X	X	X	X		
665			X			
680		X		X		
681	X	X	X	X		
698			X	X		
715		X	X	X		
750	X	X	X	X		
768		X	X	X		
787			X	X		
806		X	X	X		
825	X	X	X	X		
845		X	X			
866		X	X	X		
909	X	X	X	X		
1.0K	X	X	X	X	X	X
1.05K			X			
1.07K				X		
1.1K	X	X	X	X		
1.13K		X	X	X		
1.18K		X	X	X		
1.2K		X				
1.21K	X	X	X	X		
1.24K		X	X	X		
1.27K		X	X			
1.3K	X	X	X	X		
1.33K		X		X		
1.37K			X			
1.4K	X		X	X		
1.47K	X	X	X	X		
1.5K	X	X	X	X		
1.6K	X					
1.62K	X	X	X	X		
1.65K		X	X	X		
1.69K		X	X	X		
1.74K	X	X	X	X		
1.78K	X	X	X	X		
1.8K	X	X	X	X		
1.82K	X	X	X	X		
1.87K				X		
1.91K		X				
2.0K	X	X	X	X	X	X
2.05K		X	X	X		
2.1K		X	X	X		
2.15K		X	X	X		
2.2K		X	X	X		
2.21K	X	X	X	X	X	
2.32K		X	X	X		
2.37K		X	X	X		
2.43K	X	X	X	X		
2.49K	X	X	X	X		
2.55K			X	X		
2.61K	X	X	X	X		
2.67K		X	X	X		
2.7K		X	X	X		
2.74K	X	X	X	X		
2.8K		X	X	X		
2.87K	X	X	X	X		
3.0K			X			
3.01K	X	X	X	X		
3.09K	X	X	X	X		
3.16K	X	X	X	X		
3.24K			X			
3.3K		X	X	X		
3.32K	X	X	X	X		
3.4K		X	X	X		
3.48K	X	X	X	X		
3.57K		X	X	X		
3.65K	X	X	X	X		
3.74K	X	X	X	X		
3.83K	X	X	X	X		
3.9K		X				
3.92K	X	X	X	X		
4.02K	X	X	X	X		
4.12K	X	X	X	X		
4.22K		X	X	X		
4.32K		X	X	X		
4.42K		X	X	X		
4.53K		X				
4.64K	X	X	X	X		
4.7K	X	X	X	X		
4.75K	X	X	X	X		
4.87K		X	X	X		
4.99K	X	X	X	X	X	
5.1K		X	X	X		
5.11K	X	X	X	X		
5.23K		X	X	X		
5.36K			X			
5.49K	X	X	X	X		
5.62K	X	X	X	X		
5.76K	X	X	X	X		
5.9K		X	X			
6.04K	X	X	X	X		
6.19K	X	X	X	X		
6.34K	X	X	X	X		
6.49K	X	X	X	X		
6.65K		X	X	X		
6.8K		X				
6.81K	X	X	X	X		
6.98K		X	X	X		
7.15K		X	X	X		
7.5K	X	X	X	X		
7.68K		X	X	X		
7.87K		X	X	X		
8.06K	X	X	X	X		
8.2K		X		X		
8.25K	X	X	X	X		
8.45K		X	X	X		
8.66K	X	X	X	X		
8.87K		X				
9.09K	X	X	X	X		
9.31K	X	X	X	X		
9.53K	X	X	X	X		
9.76K	X	X	X	X		
10K	X	X	X	X	X	X
10.2K	X	X	X	X		
10.7K	X	X	X	X		
11K	X	X	X	X		
11.3K		X	X	X		
11.5K	X	X	X	X		
11.8K			X			
12K		X				
12.1K	X	X	X	X		
12.4K	X	X	X	X		
12.7K		X	X	X		
13K	X	X	X	X		
13.3K		X	X	X		
13.7K		X	X	X		
14K	X	X	X	X		
14.7K	X	X	X	X		
15K	X	X	X	X		
15.4K		X	X	X		
15.8K			X			
16K				X		
16.2K	X	X	X	X		
16.5K	X	X	X	X		
16.9K	X	X	X	X		
17.8K	X	X	X	X		
18.2K		X	X	X		
18.7K		X	X	X		
19.1K		X				
19.6K			X			
20K	X	X	X	X	X	
20.5K	X	X	X	X		
21K	X	X	X	X		
21.5K		X	X			
22K	X	X	X			
22.1K	X	X	X	X		
22.6K		X	X	X		
23.2K		X	X	X		
23.7K	X	X	X	X		
24.3K	X	X	X	X		
24.9K	X	X	X	X		
25.5K		X	X			
26.1K	X	X	X	X		
26.7K		X	X	X		
27K		X	X			
27.4K	X	X	X	X		
28K		X	X	X		
28.7K	X	X	X	X		
29.4K		X	X			
30K	X					
30.1K	X	X	X	X		
31.6K	X	X	X	X		
32.4K	X	X	X	X		
33.2K	X	X	X	X		
33K		X				
34K	X	X	X	X		
34.8K		X				
35.7K	X	X	X	X		
36.5K	X	X	X	X		
37.4K		X		X		
38.3K			X			
39.2K	X	X	X	X		
40.2K	X	X	X	X		
41.2K		X	X	X		
42.2K	X	X	X	X		
43.2K	X	X	X	X		
44.2K		X	X			
45.3K			X			
46.4K	X	X	X	X		
47K	X	X	X	X		
47.5K	X	X	X	X		
48.7K		X	X			
49.9K	X	X	X	X		X
51.1K	X	X	X	X		
54.9K			X	X		
56K		X				
56.2K		X	X	X		
60.4K		X	X	X		
61.9K		X	X	X		
63.4K	X	X	X	X		
64.9K		X	X	X		
66.5K	X	X	X	X		
68.1K	X	X	X	X		
69.8K	X	X	X	X		
71.5K	X	X	X	X		
75K	X	X	X	X		
80.6K	X	X	X	X		
82.5K	X	X	X	X		
84.5K	X	X	X	X		
86.6K		X	X	X		
90.9K		X	X	X		
95.3K		X	X	X		
100K	X	X	X	X	X	
105K	X	X	X	X		
110K	X	X	X	X		
115K		X	X	X		
118K		X	X	X		
120K				X		
121K	X	X	X	X		
124K	X	X				
127K			X	X		
130K		X	X	X		
133K		X	X	X		
137K	X					
140K		X	X	X		
143K		X				
147K		X	X	X		
150K	X	X	X	X		X
162K	X	X	X	X		
169K		X				
178K		X	X	X		
182K		X	X	X		
187K		X	X	X		
196K			X	X		
200K	X	X	X	X		
210K		X				
215K		X	X	X		
221K	X	X	X	X		
226K			X	X		
237K	X	X	X	X		
243K		X	X	X		
249K	X	X	X	X		
255K	X					
301K	X	X	X	X		
316K	X	X	X	X		
324K		X	X	X		
330K	X					
332K	X	X	X	X		
357K		X	X	X		
365K			X	X		
383K	X		X	X		
392K			X	X		
402K			X			
432K		X				
464K		X	X	X		
470K		X				
475K	X	X	X	X		
499K	X	X	X	X	X	
511K	X	X	X	X		
523K				X		
562K	X	X	X	X		
604K			X	X		
619K			X			
681K	X	X	X	X		
750K		X	X	X		
806K			X	X		
825K		X	X	X		
909K		X	X	X		
976K	X	X	X	X		
1.0M	X	X	X	X		
1.5M		X				
2M			X			
10M		X	X	X	X	

VISHAY / DALE 0603, 0805, 1206 - 0.1% 25ppm Resistors

TNPW SERIES - THIN FILM RECTANGULAR, RESISTOR CHIP

Features:

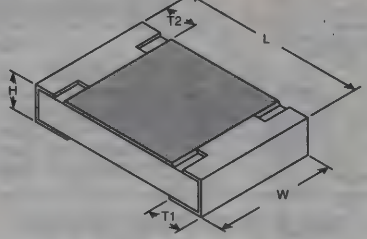
- Metal film layer on high quality ceramic
- Protective top coat
- Excellent stability at different environmental conditions
- Low TC and tight tolerances
- TRC: 25ppm
- Tolerance: 0.1%

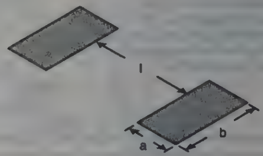


Applications:

- Automotive
- Telecommunications
- Medical Equipment
- Industrial Equipment

LEAD-FREE RoHS Compliant





Size		Power Rating P70°C (W)		Dimensions: mm					Size		Solder Pad Dimensions: mm					
											Reflow Soldering			Wave Soldering		
Inch	Metric	EN 140401-801	EIA 575	L	W	H	T1	T2	Inch	Metric	a	b	l	a	b	l
0603	1608	0.100	0.063	1.6 ±.2	.81 ±.2	.4 ±.1	.3 ±.2	.3 ±.2	0603	1608	.5	.9	1	.9	.9	1
0805	2012	0.125	0.100	2 ±.2	1.24 ±.2	.4 ±.1	.4 ±.25	.4 ±.25	0805	2012	.7	1.3	1.2	.9	1.3	1.3
1206	3216	0.250	0.125	3.2 ±.15	1.6 ±.15	.61 ±.15	.5 ±.25	.5 ±.25	1206	3216	.9	1.7	2	1.1	1.7	2.3

1000 and 5K Piece Reels Available

Vishay Series	Size	Value Range	1K REEL OR CUT TAPE						5K REEL					
			MOUSER STOCK NO.			Price Each			MOUSER STOCK NO.			Price Each		
				Value	Suffix	1	100	1000		Value	Suffix	5,000	10,000	25,000
TNPW	0603	10-200K	71-TNPW0603	Code	BEEN	.52	.42	.38	71-TNPW0603	Code	BEEA	.28	.27	.25
TNPW	0805	10-105K	71-TNPW0805	Code	BEEN	.52	.42	.30	71-TNPW0805	Code	BEEA	.28	.27	.25
TNPW	0805	105K-249K	71-TNPW0805	Code	BEEN	.85	.63	.61	71-TNPW0805	Code	BEEA	.60	.56	.52
TNPW	1206	49.9-150K	71-TNPW1206	Code	BEEN	.69	.48	.43	71-TNPW1206	Code	BEEA	.40	.38	.36
TNPW	1206	165K-1M	71-TNPW1206	Code	BEEN	1.10	.81	.79	71-TNPW1206	Code	BEEA	.92	.41	.36

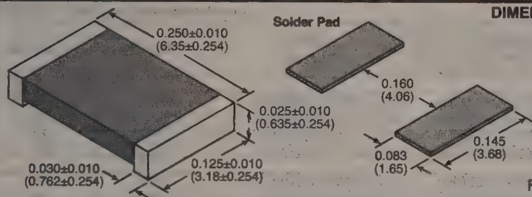
TABLE OF STOCKED VALUES

Value	Value Code *	Case Sizes			Value	Value Code *	Case Sizes			Value	Value Code *	Case Sizes			Value	Value Code *	Case Sizes		
		0603	0805	1206			0603	0805	1206			0603	0805	1206			0603	0805	1206
10	10R0	X	X		2.05K	2K05	X			9.76K	9K76			X	40.2K	40K2		X	X
47	47R0		X		2.1K	2K10		X		10K	10K0	X	X	X	41.2K	41K2		X	X
49.9	49R9		X	X	2.21K	2K21		X	X	10.2K	10K2	X	X		44.2K	44K2			X
75	75R0	X	X	X	2.37K	2K37		X		10.5K	10K5		X		45.3K	45K3			X
100	100R		X	X	2.43K	2K43		X	X	11K	11K0	X	X	X	47.5K	47K5	X	X	X
121	121R		X	X	2.49K	2K49		X	X	12K	12K0			X	49.9K	49K9	X	X	X
124	124R		X		2.67K	2K67	X		X	12.1K	12K1		X	X	51.1K	51K1	X	X	X
150	150R		X	X	2.74K	2K74	X	X		12.4K	12K4		X	X	52.3K	52K3		X	
200	200R		X	X	3.01K	3K01		X	X	12.7K	12K7		X		56.2K	56K2			X
215	215R		X		3.09K	3K09	X		X	13K	13K0			X	57.6K	57K6		X	X
221	221R		X		3.16K	3K16	X	X	X	13.3K	13K3		X		59K	59K0		X	
249	249R		X	X	3.2K	3K20		X		14K	14K0	X	X		60.4K	60K4		X	
274	274R	X			3.32K	3K32		X	X	14.3K	14K3			X	64.9K	64K9			X
301	301R		X	X	3.4K	3K40			X	14.7K	14K7		X		66.5K	66K5		X	
332	332R		X	X	3.48K	3K48			X	15K	15K0	X	X	X	68.1K	68K1			X
392	392R			X	3.57K	3K57		X	X	15.4K	15K4		X		71.5K	71K5			X
402	402R		X		3.74K	3K74	X		X	15.8K	15K8			X	75K	75K0		X	
422	422R			X	3.92K	3K92		X	X	16.2K	16K2	X	X	X	76.8K	76K8			X
470	470R			X	4.02K	4K02		X	X	16.9K	16K9		X		80.6K	80K6		X	X
475	475R			X	4.12K	4K12			X	17.4K	17K4		X	X	82.5K	82K5			X
499	499R	X	X	X	4.22K	4K22			X	17.8K	17K8	X			90.9K	90K9		X	X
511	511R		X	X	4.42K	4K42		X		18.2K	18K2		X		100K	100K		X	X
604	604R		X	X	4.53K	4K53			X	18.7K	18K7			X	110K	110K		X	
681	681R		X		4.7K	4K70		X		19.6K	19K6		X		105K	105K		X	X
750	750R		X	X	4.75K	4K75	X	X	X	20K	20K0	X	X	X	121K	121K			X
787	787R			X	4.99K	4K99	X	X	X	21K	21K0			X	124K	124K			X
806	806R		X		5K	5K00			X	21.5K	21K5		X		127K	127K			X
825	825R			X	5.11K	5K11		X	X	22.1K	22K1	X	X	X	130K	130K			X
909	909R			X	5.23K	5K23			X	24K	24K0		X		143K	143K			X
931	931R			X	5.49K	5K49			X	24.3K	24K3			X	150K	150K		X	X
976	976R			X	5.62K	5K62			X	24.9K	24K9	X		X	165K	165K			X
1K	1K00	X	X	X	6.04K	6K04		X	X	25.5K	25K5		X		200K	200K	X	X	X
1.02K	1K02		X		6.19K	6K19		X		27.4K	27K4		X	X	221K	221K			X
1.21K	1K21		X	X	6.34K	6K34		X	X	28K	28K0		X		249K	249K		X	X
1.27K	1K27			X	6.49K	6K49		X		29.4K	29K4			X	301K	301K			X
1.4K	1K40			X	6.81K	6K81		X	X	30.1K	30K1	X	X	X	316K	316K		X	
1.47K	1K47			X	7.15K	7K15	X			30.9K	30K9		X		332K	332K			X
1.5K	1K50		X		7.32K	7K32			X	33.2K	33K2		X	X	499K	499K			X
1.54K	1K54			X	7.5K	7K50		X	X	34K	34K0		X		750K	750K		X	
1.62K	1K62			X	8.06K	8K06		X	X	34.8K	34K8			X	1M	1M00			X
1.69K	1K69		X		8.25K	8K25			X	35.7K	35K7			X					
1.8K	1K80		X		8.45K	8K45		X		38.3K	38K3	X	X	X					
2K	2K00	X	X	X	9.09K	9K09		X	X	39.2K	39K2		X	X					

VISHAY / DALE 1% Power Metal Strip® Resistors - 1, 3, & 5 Watt

VISHAY

DIMENSIONS in. (mm)



LEAD-FREE

RoHS Compliant

WSLT-2512 SERIES - 1 WATT, HIGH TEMPERATURE, LOW VALUE, SURFACE MOUNT

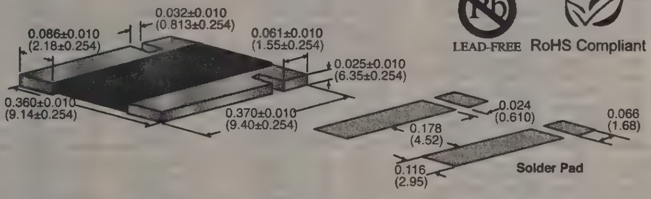
Features:

- Proprietary processing technique produces extremely low resistance values.
- Solid metal Nickel-Chrome alloy resistive element with low TCR (<20ppm/°C)
- Very low inductance (<5nH)
- Low thermal EMF (<3μV/°C)

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSLT2512-0.01-E3	WSLT2512R0100FEB	0.01	.76	.68	.65	.62
71-WSLT2512-0.015-E3	WSLT2512R0150FEB	0.015	.76	.68	.65	.62
71-WSLT2512-0.02-E3	WSLT2512R0200FEB	0.02	.76	.68	.65	.62
71-WSLT2512-0.05-E3	WSLT2512R0500FEB	0.05	.76	.68	.65	.62
71-WSLT2512-0.1-E3	WSLT2512R1000FEB	0.1	.69	.61	.59	.56
71-WSLT2512-0.2-E3	WSLT2512R2000FEB	0.2	.69	.61	.59	.56
71-WSLT2512-0.5-E3	WSLT2512R5000FEB	0.5	.69	.61	.59	.56

Series Type	Dimensions: in. (mm)				
	L	W	T	Solder Pad	
				d	b
WSL3921	0.394±0.010 (10.0±0.254)	0.205±0.010 (5.20±0.254)	0.080±0.010 (2.00±0.254)	.0106±0.010 (2.70±0.254)	0.244±0.010 (6.20±0.254)
WSL5931	0.591±0.010 (15.0±0.254)	0.305±0.010 (7.75±0.254)	0.157±0.010 (4.00±0.254)	.0205±0.010 (5.20±0.254)	0.244±0.010 (8.75±0.254)



LEAD-FREE RoHS Compliant

DIMENSIONS in. (mm)

WSL3637 SERIES - 3 WATT, LOW VALUE, SURFACE MOUNT, 4-TERMINAL

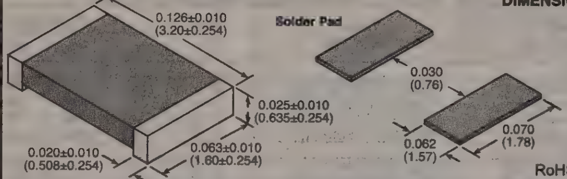
Features:

- 4-Terminal design allows for 0.5% resistance tolerance down to 0.003Ω
- Ideal for all types of current sensing, voltage division, and pulse applications including switching and linear power supplies, instruments, and power amplifiers
- All welded construction
- Solid metal nickel-chrome alloy resistive element
- Solderable terminations
- Standard 1% tolerance (0.5% is available)

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL3637-0.003-E3	WSL36373L000FEB	0.003	1.65	1.32	.88	.80
71-WSL3637-0.004-E3	WSL36374L000FEB	0.004	1.65	1.32	.88	.80
71-WSL3637-0.005-E3	WSL36375L000FEB	0.005	1.65	1.32	.88	.80
71-WSL3637-0.006-E3	WSL36376L000FEB	0.006	1.65	1.32	.88	.80
71-WSL3637-0.007-E3	WSL36377L000FEB	0.007	1.65	1.32	.88	.80
71-WSL3637-0.008-E3	WSL36378L000FEB	0.008	1.65	1.32	.88	.80
71-WSL3637-0.01-E3	WSL3637R0100FEB	0.01	1.08	.86	.61	.55

DIMENSIONS in. (mm)



LEAD-FREE

RoHS Compliant

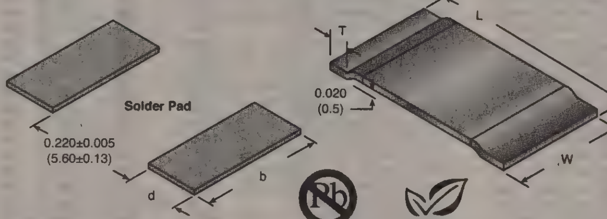
WSLP-1206 SERIES - 1 WATT, VERY HIGH POWER, LOW VALUE, SURFACE MOUNT

Features:

- Very high power to foot print size ratio (1W in 1206 package)
- Proprietary processing technique produces extremely low resistance values (down to 0.001Ω).
- Solid metal Nickel-Chrome alloy or Manganese-Copper alloy resistive element with low TCR (<20ppm/°C)
- Very low inductance (0.5nH to 5nH)
- Low thermal EMF (<3μV/°C)

For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSLP1206-0.005-E3	WSLP12065L000FEB	0.005	.95	.85	.82	.78
71-WSLP1206-0.01-E3	WSLP1206R0100FEB	0.01	.55	.49	.47	.45
71-WSLP1206-0.015-E3	WSLP1206R0150FEB	0.015	.55	.49	.47	.45
71-WSLP1206-0.02-E3	WSLP1206R0200FEB	0.02	.55	.49	.47	.45
71-WSLP1206-0.03-E3	WSLP1206R0300FEB	0.03	.55	.49	.47	.45
71-WSLP1206-0.05-E3	WSLP1206R0500FEB	0.05	.55	.49	.47	.45



LEAD-FREE RoHS Compliant

DIMENSIONS in. (mm)

WSL3921 & WSL5931 SERIES - LOW VALUE, SURFACE MOUNT

Features:

- Ideal for all types of current sensing, voltage division, and pulse applications including switching and linear power supplies, instruments, and power amplifiers
- Proprietary processing technique produces extremely low resistance values
- All welded construction
- Solid metal iron-chrome or manganese-copper alloy resistive element
- Very low inductance 0.5nH to 5nH
- 100% lead (Pb)-free and RoHS Compliant
- Standard 1% tolerance (5% is available)
- 1000 quantity reels available. Contact a Mouser Representative.

For quantities greater than 2000, call for quote.

3 Watt: WSL3921 Series

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each			
			1	100	500	1000
71-WSL3921-0.0003-E3	WSL3921L3000FEB	0.0003	1.82	1.76	1.65	1.49
71-WSL3921-0.0005-E3	WSL3921L5000FEB	0.0005	1.82	1.76	1.65	1.49
71-WSL3921-0.001-E3	WSL39211L000FEB	0.001	1.82	1.76	1.65	1.49
71-WSL3921-0.002-E3	WSL39212L000FEB	0.002	1.82	1.76	1.65	1.49
71-WSL3921-0.003-E3	WSL39213L000FEB	0.003	1.82	1.76	1.65	1.49
71-WSL3921-0.004-E3	WSL39214L000FEB	0.004	1.82	1.76	1.65	1.49

5 Watt: WSL5931 Series

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	1	100	500	1000
71-WSL5931-0.0002-E3	WSL5931L2000FEB	0.0002	2.15	2.08	1.95	1.76
71-WSL5931-0.0003-E3	WSL5931L3000FEB	0.0003	2.15	2.08	1.95	1.76
71-WSL5931-0.0005-E3	WSL5931L5000FEB	0.0005	2.15	2.08	1.95	1.76
71-WSL5931-0.001-E3	WSL59311L000FEB	0.001	2.15	2.08	1.95	1.76
71-WSL5931-0.002-E3	WSL59312L000FEB	0.002	2.15	2.08	1.95	1.76
71-WSL5931-0.003-E3	WSL59313L000FEB	0.003	2.15	2.08	1.95	1.76

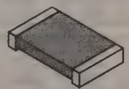
VISHAY / DALE 1% Power Metal Strip® Resistors - 1/8, 1/4, 1/2, 1, 2 Watt

VISHAY

WSL SERIES, LOW VALUE, SURFACE MOUNT

Features:

- Ideal for all types of current sensing, voltage division and pulse applications including switching and linear power supplies, instruments, and power amplifiers.
- Solid metal Nickel-Chrome or Manganese-Copper alloy resistive element with low TCR (<20ppm/°C)
- Solderable terminations
- Very low inductance 0.5nH to 5nH
- Low thermal EMF



LEAD-FREE RoHS Compliant

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each				MOUSER STOCK NO.	Vishay Part No.	Reel Qty.	Price Each
			1	100	500	1000				
71-WSL0603-0.01-E3	WSL0603R0100FEB	0.01	.92	.90	.84	.76	71-WSL0603R0100FEA	WSL0603R0100FEA	5000	.60
71-WSL0603-0.015-E3	WSL0603R0150FEB	0.015	.92	.90	.84	.76	71-WSL0603R0150FEA	WSL0603R0150FEA	5000	.60
71-WSL0603-0.016-E3	WSL0603R0160FEB	0.016	.92	.90	.84	.76	71-WSL0603R0160FEA	WSL0603R0160FEA	5000	.60
71-WSL0603-0.018-E3	WSL0603R0180FEB	0.018	.92	.90	.84	.76	71-WSL0603R0180FEA	WSL0603R0180FEA	5000	.60
71-WSL0603-0.02-E3	WSL0603R0200FEB	0.02	.92	.90	.84	.76	71-WSL0603R0200FEA	WSL0603R0200FEA	5000	.60
71-WSL0603-0.022-E3	WSL0603R0220FEB	0.022	.92	.90	.84	.76	71-WSL0603R0220FEA	WSL0603R0220FEA	5000	.60
71-WSL0603-0.025-E3	WSL0603R0250FEB	0.025	.92	.90	.84	.76	71-WSL0603R0250FEA	WSL0603R0250FEA	5000	.60
71-WSL0603-0.03-E3	WSL0603R0300FEB	0.03	.92	.90	.84	.76	71-WSL0603R0300FEA	WSL0603R0300FEA	5000	.60
71-WSL0603-0.033-E3	WSL0603R0330FEB	0.033	.92	.90	.84	.76	71-WSL0603R0330FEA	WSL0603R0330FEA	5000	.60
71-WSL0603-0.05-E3	WSL0603R0500FEB	0.05	.92	.90	.84	.76	71-WSL0603R0500FEA	WSL0603R0500FEA	5000	.60
71-WSL0603-0.051-E3	WSL0603R0510FEB	0.051	.92	.90	.84	.76	71-WSL0603R0510FEA	WSL0603R0510FEA	5000	.60
71-WSL0603-0.1-E3	WSL0603R1000FEB	0.1	.74	.72	.68	.62	71-WSL0603R1000FEA	WSL0603R1000FEA	5000	.60

RoHS Compliant This page of product is compliant.

VISHAY / DALE 1% Power Metal Strip® Resistors - 1/8, 1/4, 1/2, 1, 2 Watt [illegible]

VISHAY

WSL SERIES, LOW VALUE, SURFACE MOUNT (CONT.)

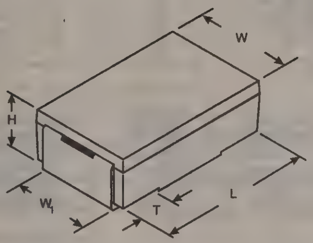
For quantities greater than 2000, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Price Each				MOUSER STOCK NO.	Vishay Part No.	Reel Qty.	Price Each
			1	100	500	1000				
0805 1/8 Watt										
71-WSL0805-0.05-E3	WSL0805R0500FEB	0.05	1.00	.86	.76	.67	71-WSL0805R0500FEA	WSL0805R0500FEA	5000	.35
71-WSL0805-0.08-E3	WSL0805R0800FEB	0.08	1.00	.86	.76	.67	71-WSL0805R0800FEA	WSL0805R0800FEA	5000	.35
71-WSL0805-0.1-E3	WSL0805R1000FEB	0.1	.81	.68	.60	.54	71-WSL0805R1000FEA	WSL0805R1000FEA	5000	.27
71-WSL0805-0.15-E3	WSL0805R1500FEB	0.15	.81	.68	.60	.54	71-WSL0805R1500FEA	WSL0805R1500FEA	5000	.27
1206 1/4 Watt										
71-WSL1206-0.01-E3	WSL1206R0100FEB	0.01	1.11	.94	.83	.72	71-WSL1206R0100FEA	WSL1206R0100FEA	4000	.35
71-WSL1206-0.015-E3	WSL1206R0150FEB	0.015	1.11	.94	.83	.72	71-WSL1206R0150FEA	WSL1206R0150FEA	4000	.35
71-WSL1206-0.02-E3	WSL1206R0200FEB	0.02	1.11	.94	.83	.72	71-WSL1206R0200FEA	WSL1206R0200FEA	4000	.35
71-WSL1206-0.025-E3	WSL1206R0250FEB	0.025	1.11	.94	.83	.72	71-WSL1206R0250FEA	WSL1206R0250FEA	4000	.35
71-WSL1206-0.03-E3	WSL1206R0300FEB	0.03	1.11	.94	.83	.72	71-WSL1206R0300FEA	WSL1206R0300FEA	4000	.35
71-WSL1206-0.033-E3	WSL1206R0330FEB	0.033	1.11	.94	.83	.72	71-WSL1206R0330FEA	WSL1206R0330FEA	4000	.35
71-WSL1206-0.04-E3	WSL1206R0400FEB	0.04	1.11	.94	.83	.72	71-WSL1206R0400FEA	WSL1206R0400FEA	4000	.35
71-WSL1206-0.047-E3	WSL1206R0470FEB	0.047	1.11	.94	.83	.72	71-WSL1206R0470FEA	WSL1206R0470FEA	4000	.35
71-WSL1206-0.05-E3	WSL1206R0500FEB	0.05	1.11	.94	.83	.72	71-WSL1206R0500FEA	WSL1206R0500FEA	4000	.35
71-WSL1206-0.06-E3	WSL1206R0600FEB	0.06	1.11	.94	.83	.72	71-WSL1206R0600FEA	WSL1206R0600FEA	4000	.35
71-WSL1206-0.065-E3	WSL1206R0650FEB	0.065	1.11	.94	.83	.72	71-WSL1206R0650FEA	WSL1206R0650FEA	4000	.35
71-WSL1206-0.068-E3	WSL1206R0680FEB	0.068	1.11	.94	.83	.72	71-WSL1206R0680FEA	WSL1206R0680FEA	4000	.35
71-WSL1206-0.08-E3	WSL1206R0800FEB	0.08	.91	.77	.68	.59	71-WSL1206R0800FEA	WSL1206R0800FEA	4000	.35
71-WSL1206-0.1-E3	WSL1206R1000FEB	0.1	.91	.77	.68	.59	71-WSL1206R1000FEA	WSL1206R1000FEA	4000	.28
71-WSL1206-0.15-E3	WSL1206R1500FEB	0.15	.91	.77	.68	.59	71-WSL1206R1500FEA	WSL1206R1500FEA	4000	.28
71-WSL1206-0.2-E3	WSL1206R2000FEB	0.2	.91	.77	.68	.59	71-WSL1206R2000FEA	WSL1206R2000FEA	4000	.28
71-WSL1206-0.25-E3	WSL1206R2500FEB	0.25	1.03	.99	.94	.86	71-WSL1206R2500FEA	WSL1206R2500FEA	4000	.28
2010 1/2 Watt										
71-WSL2010-0.004-E3	WSL20104L000FEB	0.004	1.91	1.62	1.43	1.25	71-WSL20104L000FEA	WSL20104L000FEA	4000	.64
71-WSL2010-0.005-E3	WSL20105L000FEB	0.005	1.81	1.53	1.35	1.19	71-WSL20105L000FEA	WSL20105L000FEA	4000	.64
71-WSL2010-0.007-E3	WSL20107L000FEB	0.007	1.81	1.53	1.35	1.19	71-WSL20107L000FEA	WSL20107L000FEA	4000	.64
71-WSL2010-0.01-E3	WSL2010R0100FEB	0.01	1.26	1.07	.94	.82	71-WSL2010R0100FEA	WSL2010R0100FEA	4000	.39
71-WSL2010-0.012-E3	WSL2010R0120FEB	0.012	1.26	1.07	.94	.82	71-WSL2010R0120FEA	WSL2010R0120FEA	4000	.39
71-WSL2010-0.015-E3	WSL2010R0150FEB	0.015	1.26	1.07	.94	.82	71-WSL2010R0150FEA	WSL2010R0150FEA	4000	.39
71-WSL2010-0.018-E3	WSL2010R0180FEB	0.018	1.26	1.07	.94	.82	71-WSL2010R0180FEA	WSL2010R0180FEA	4000	.39
71-WSL2010-0.02-E3	WSL2010R0200FEB	0.02	1.26	1.07	.94	.82	71-WSL2010R0200FEA	WSL2010R0200FEA	4000	.39
71-WSL2010-0.025-E3	WSL2010R0250FEB	0.025	1.26	1.07	.94	.82	71-WSL2010R0250FEA	WSL2010R0250FEA	4000	.39
71-WSL2010-0.03-E3	WSL2010R0300FEB	0.03	1.26	1.07	.94	.82	71-WSL2010R0300FEA	WSL2010R0300FEA	4000	.39
71-WSL2010-0.033-E3	WSL2010R0330FEB	0.033	1.26	1.07	.94	.82	71-WSL2010R0330FEA	WSL2010R0330FEA	4000	.39
71-WSL2010-0.035-E3	WSL2010R0350FEB	0.035	1.26	1.07	.94	.82	71-WSL2010R0350FEA	WSL2010R0350FEA	4000	.39
71-WSL2010-0.04-E3	WSL2010R0400FEB	0.04	1.26	1.07	.94	.82	71-WSL2010R0400FEA	WSL2010R0400FEA	4000	.39
71-WSL2010-0.05-E3	WSL2010R0500FEB	0.05	1.26	1.07	.94	.82	71-WSL2010R0500FEA	WSL2010R0500FEA	4000	.39
71-WSL2010-0.056-E3	WSL2010R0560FEB	0.056	1.26	1.07	.94	.82	71-WSL2010R0560FEA	WSL2010R0560FEA	4000	.39
71-WSL2010-0.1-E3	WSL2010R1000FEB	0.1	1.06	.90	.79	.69	71-WSL2010R1000FEA	WSL2010R1000FEA	4000	.39
71-WSL2010-0.12-E3	WSL2010R1200FEB	0.12	1.06	.90	.79	.69	71-WSL2010R1200FEA	WSL2010R1200FEA	4000	.39
71-WSL2010-0.15-E3	WSL2010R1500FEB	0.15	1.06	.90	.79	.69	71-WSL2010R1500FEA	WSL2010R1500FEA	4000	.39
71-WSL2010-0.18-E3	WSL2010R1800FEB	0.18	1.06	.90	.79	.69	71-WSL2010R1800FEA	WSL2010R1800FEA	4000	.39
71-WSL2010-0.2-E3	WSL2010R2000FEB	0.2	1.06	.90	.79	.69	71-WSL2010R2000FEA	WSL2010R2000FEA	4000	.39
71-WSL2010-0.22-E3	WSL2010R2200FEB	0.22	1.06	.90	.79	.69	71-WSL2010R2200FEA	WSL2010R2200FEA	4000	.39
71-WSL2010-0.25-E3	WSL2010R2500FEB	0.25	1.06	.90	.79	.69	71-WSL2010R2500FEA	WSL2010R2500FEA	4000	.39
71-WSL2010-0.3-E3	WSL2010R3000FEB	0.3	1.06	.90	.79	.69	71-WSL2010R3000FEA	WSL2010R3000FEA	4000	.39
71-WSL2010-0.332-E3	WSL2010R3320FEB	0.332	1.06	.90	.79	.69	71-WSL2010R3320FEA	WSL2010R3320FEA	4000	.39
71-WSL2010-0.4-E3	WSL2010R4000FEB	0.4	1.06	.90	.79	.69	71-WSL2010R4000FEA	WSL2010R4000FEA	4000	.39
71-WSL2010-0.47-E3	WSL2010R4700FEB	0.47	1.06	.90	.79	.69	71-WSL2010R4700FEA	WSL2010R4700FEA	4000	.39
71-WSL2010-0.5-E3	WSL2010R5000FEB	0.5	1.06	.90	.79	.69	71-WSL2010R5000FEA	WSL2010R5000FEA	4000	.39
2512 1 Watt										
71-WSL2512-0.003-E3	WSL25123L000FEB	0.003	1.96	1.66	1.46	1.29	71-WSL25123L000FEA	WSL25123L000FEA	2000	.61
71-WSL2512-0.004-E3	WSL25124L000FEB	0.004	1.96	1.66	1.46	1.29	71-WSL25124L000FEA	WSL25124L000FEA	2000	.61
71-WSL2512-0.005-E3	WSL25125L000FEB	0.005	1.86	1.58	1.39	1.22	71-WSL25125L000FEA	WSL25125L000FEA	2000	.61
71-WSL2512-0.006-E3	WSL25126L000FEB	0.006	1.86	1.58	1.39	1.22	71-WSL25126L000FEA	WSL25126L000FEA	2000	.61
71-WSL2512-0.007-E3	WSL25127L000FEB	0.007	1.86	1.58	1.39	1.22	71-WSL25127L000FEA	WSL25127L000FEA	2000	.61
71-WSL2512-0.0075-E3	WSL25127L500FEB	0.0075	1.86	1.58	1.39	1.22	71-WSL25127L500FEA	WSL25127L500FEA	2000	.61
71-WSL2512-0.01-E3	WSL2512R0100FEB	0.01	1.26	1.07	.94	.82	71-WSL2512R0100FEA	WSL2512R0100FEA	2000	.61
71-WSL2512-0.012-E3	WSL2512R0120FEB	0.012	1.26	1.07	.94	.82	71-WSL2512R0120FEA	WSL2512R0120FEA	2000	.61
71-WSL2512-0.015-E3	WSL2512R0150FEB	0.015	1.26	1.07	.94	.82	71-WSL2512R0150FEA	WSL2512R0150FEA	2000	.61
71-WSL2512-0.02-E3	WSL2512R0200FEB	0.02	1.26	1.07	.94	.82	71-WSL2512R0200FEA	WSL2512R0200FEA	2000	.61
71-WSL2512-0.022-E3	WSL2512R0220FEB	0.022	1.26	1.07	.94	.82	71-WSL2512R0220FEA	WSL2512R0220FEA	2000	.61
71-WSL2512-0.024-E3	WSL2512R0240FEB	0.024	1.26	1.07	.94	.82	71-WSL2512R0240FEA	WSL2512R0240FEA	2000	.61
71-WSL2512-0.025-E3	WSL2512R0250FEB	0.025	1.26	1.07	.94	.82	71-WSL2512R0250FEA	WSL2512R0250FEA	2000	.61
71-WSL2512-0.03-E3	WSL2512R0300FEB	0.03	1.26	1.07	.94	.82	71-WSL2512R0300FEA	WSL2512R0300FEA	2000	.61
71-WSL2512-0.033-E3	WSL2512R0330FEB	0.033	1.26	1.07	.94	.82	71-WSL2512R0330FEA	WSL2512R0330FEA	2000	.61
71-WSL2512-0.04-E3	WSL2512R0400FEB	0.04	1.26	1.07	.94	.82	71-WSL2512R0400FEA	WSL2512R0400FEA	2000	.61
71-WSL2512-0.05-E3	WSL2512R0500FEB	0.05	1.26	1.07	.94	.82	71-WSL2512R0500FEA	WSL2512R0500FEA	2000	.61
71-WSL2512-0.056-E3	WSL2512R0560FEB	0.056	1.26	1.07	.94	.82	71-WSL2512R0560FEA	WSL2512R0560FEA	2000	.61
71-WSL2512-0.062-E3	WSL2512R0620FEB	0.062	1.26	1.07	.94	.82	71-WSL2512R0620FEA	WSL2512R0620FEA	2000	.61
71-WSL2512-0.068-E3	WSL2512R0680FEB	0.068	1.26	1.07	.94	.82	71-WSL2512R0680FEA	WSL2512R0680FEA	2000	.61
71-WSL2512-0.075-E3	WSL2512R0750FEB	0.075	1.11	.94	.83	.72	71-WSL2512R0750FEA	WSL2512R0750FEA	2000	.61
71-WSL2512-0.08-E3	WSL2512R0800FEB	0.08	1.11	.94	.83	.72	71-WSL2512R0800FEA	WSL2512R0800FEA	2000	.35
71-WSL2512-0.1-E3	WSL2512R1000FEB	0.1	1.11	.94	.83	.72	71-WSL2512R1000FEA	WSL2512R1000FEA	2000	.35
71-WSL2512-0.15-E3	WSL2512R1500FEB	0.15	1.11	.94	.83	.72	71-WSL2512R1500FEA	WSL2512R1500FEA	2000	.35
71-WSL2512-0.2-E3	WSL2512R2000FEB	0.2	1.11	.94	.83	.72	71-WSL2512R2000FEA	WSL2512R2000FEA	2000	.35
71-WSL2512-0.25-E3	WSL2512R2500FEB	0.25	1.11	.94	.83	.72	71-WSL2512R2500FEA	WSL2512R2500FEA	2000	.35
71-WSL2512-0.3-E3	WSL2512R3000FEB	0.3	1.11	.94	.83	.72	71-WSL2512R3000FEA	WSL2512R3000FEA	2000	.35
71-WSL2512-0.33-E3	WSL2512R3300FEB	0.33	1.11	.94	.83	.72	71-WSL2512R3300FEA	WSL2512R3300FEA	2000	.35
71-WSL2512-0.4-E3	WSL2512R4000FEB	0.4	1.11	.94	.83	.72	71-WSL2512R4000FEA	WSL2512R4000FEA	2000	.35
71-WSL2512-0.47-E3	WSL2512R4700FEB	0.47	1.11	.94	.83	.72	71-WSL2512R4700FEA	WSL2512R4700FEA	2000	.35
71-WSL2512-0.5-E3	WSL2512R5000FEB	0.5	1.11	.94	.83	.72	71-WSL2512R5000FEA	WSL2512R5000FEA	2000	.35
2816 2 Watts										
71-WSL2816-0.01-E3	WSL2816R0100FEB	0.01	1.58	1.39	1.20	1.06	71-WSL2816R0100FEA	WSL2816R0100FEA	5000	.72
71-WSL2816-0.015-E3	WSL2816R0150FEB	0.015	1.58	1.39	1.20	1.06	71-WSL2816R0150FEA	WSL2816R0150FEA	5000	.72
71-WSL2816-0.018-E3	WSL2816R0180FEB	0.018	1.58	1.39	1.20	1.06	71-WSL2816R0180FEA	WSL2816R0180FEA	5000	.72
71-WSL2816-0.019-E3	WSL2816R0190FEB	0.019	1.58	1.39	1.20	1.06	71-WSL2816R0190FEA	WSL2816R0190FEA	5000	.72
71-WSL2816-0.02-E3	WSL2816R0200FEB	0.02	1.58	1.39	1.20	1.06	71-WSL2816R0200FEA	WSL2816R0200FEA	5000	.72
71-WSL2816-0.025-E3	WSL2816R0250FEB	0.025	1.58	1.39	1.20	1.06	71-WSL2816R0250FEA	WSL2816R0250FEA	5000	.72
71-WSL2816-0.03-E3	WSL2816R0300FEB	0.03	1.58	1.39	1.20	1.06	71-WSL2816R0300FEA	WSL2816R0300FEA	5000	.72
71-WSL2816-0.033-E3	WSL2816R0330FEB	0.033	1.58	1.39	1.20	1.06	71-WSL2816R0330FEA	WSL2816R0330FEA	5000	.72
71-WSL2816-0.04-E3	WSL2816R0400FEB	0.04	1.58	1.39	1.20	1.06	71-WSL2816R0400FEA	WSL2816R0400FEA	5000	.72
71-WSL2816-0.047-E3	WSL2816R0470FEB	0.047	1.58	1.39	1.20	1.06	71-WSL2816R0470FEA	WSL2816R0470FEA	5000	.72
71-WSL2816-0.05-E3	WSL2816R0500FEB	0.05	1.58	1.39	1.20	1.06	71-WSL2816R0500FEA	WSL2816R0500FEA	5000	.72
71-WSL2816-0.06-E3	WSL2816R0600FEB	0.06	1.58	1.39	1.20	1.06	71-WSL2816R0600FEA	WSL2816R0600FEA	5000	.72
71-WSL2816-0.062-E3	WSL2816R0620FEB	0.062	1.58	1.39	1.20	1.06	71-WSL2816R0620FEA	WSL2816R0620FEA	5000	.72
71-WSL2816-0.065-E3	WSL2816R0650FEB	0.065	1.58	1.39	1.20	1.06	71-WSL2816R0650FEA	WSL2816R0650FEA	5000	.72
71-WSL2816-0.068-E3	WSL2816R0680FEB	0.068	1.58	1.39	1.20	1.06	71-WSL2816R0680FEA	WSL2816R0680FEA	5000	.72
71-WSL2816-0.07-E3	WSL2816R0700FEB	0.07	1.40	1.23	1.06	.93	71-WSL2816R0700FEA	WSL2816R0700FEA	5000	.72
71-WSL2816-0.075-E3	WSL2816R0750FEB	0.075	1.40	1.23	1.06	.93	71-WSL2816R0750FEA	WSL2816R0750FEA	5000	.72
71-WSL2816-0.08-E3	WSL2816R0800FEB	0.08	1.40	1.23	1.06	.93	71-WSL2816R0800FEA	WSL2816R0800FEA	5000	.72
71-WSL2816-0.082-E3	WSL2816R0820FEB	0.082	1.40	1.23	1.06	.93	71-WSL2816R0820FEA	WSL2816R0820FEA	5000	.72
71-WSL2816-0.1-E3	WSL2816R1000FEB	0.1	1.40	1.23	1.06	.93	71-WSL2816R1000FEA	WSL2816R1000FEA	5000	.72

VISHAY / DALE 1/2, 1, 2, and 3 Watt - 1% SMD W/W Resistors - Precision Po

Features:

- Wrap around terminations
- High power ratings
- All welded construction
- Superior surge capability
- Molded encapsulation
- Tolerance 1% standard
- Available in non-inductive styles with Aryton-Perry winding (WSN in lieu of WSC)
- Cut Tape or Full Reels available



Model	DIMENSIONS: mm (in.)				
	L	H	T	W	W_1
WSC01/2	5.08±0.508 (0.2±0.02)	2.44±0.381 (0.096±0.015)	1.02±0.254 (0.04±0.01)	3.18±0.127 (0.125±0.005)	1.27±0.254 (0.05±0.01)
WSC0001	6.35±0.508 (0.25±0.02)	2.79±0.381 (0.11±0.015)	1.14±0.254 (0.045±0.01)	3.81±0.127 (0.15±0.005)	2.49±0.127 (0.098±0.005)
WSC2515	6.35±0.508 (0.25±0.02)	2.79±0.381 (0.11±0.015)	1.14±0.254 (0.045±0.01)	3.81±0.127 (0.15±0.005)	2.49±0.127 (0.098±0.005)
WSC0002	11.3±0.813 (0.445±0.032)	4.11±0.381 (0.162±0.015)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.127 (0.215±0.005)
WSC4527	11.56±0.508 (0.455±0.02)	4.24±0.254 (0.167±0.01)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.127 (0.215±0.005)
WSC6927	17.53±0.813 (0.69±0.032)	7.11±0.381 (0.28±0.015)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.381 (0.215±0.015)

WSC SERIES-1/2, 1, AND 2 WATT

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				
			1	100	500	1000	2000+
WSC01/2 Size, 1/2 Watt							
71-WSC-1/2-0.1	WSC01\2R1000FBA	0.1	1.18	.94	.76	.73	Call
71-WSC-1/2-2.7	WSC01\22R700FBA	2.7	1.18	.94	.76	.73	
WSC0001 Size, 1 Watt							
71-WSC-1-0.1	WSC0001R1000FTB	0.1	1.25	1.00	.80	.78	Call for Quote
71-WSC-1-0.5	WSC0001R5000FBA	0.5	1.25	1.00	.80	.78	
71-WSC-1-1.0	WSC00011R000FBA	1.0	.88	.70	.56	.54	
71-WSC-1-4.02	WSC00014R020FBA	4.02	.88	.70	.56	.54	
71-WSC-1-5.0	WSC00015R000FBA	5.0	.88	.70	.56	.54	
71-WSC-1-22	WSC000122R00FBA	22	.88	.70	.56	.54	
71-WSC-1-120	WSC0001120R0FBA	120	1.20	.96	.77	.75	
71-WSC-1-1K	WSC00011K000FBA	1K	1.63	1.30	1.04	1.01	
WSC0002 Size, 2 Watt							
71-WSC-2-0.1	WSC0002R1000FBA	0.1	1.20	.96	.77	.75	Call for Quote
71-WSC-2-0.301	WSC0002R3010FBA	0.301	1.20	.96	.77	.75	
71-WSC-2-1.0	WSC00021R000FBA	1.0	1.20	.96	.77	.75	
71-WSC-2-1.2	WSC00021R200FBA	1.2	.88	.70	.56	.54	
71-WSC-2-2.0	WSC00022R000FBA	2	.88	.70	.56	.54	
71-WSC-2-3.3	WSC00023R300FBA	3.3	.88	.70	.56	.54	
71-WSC-2-6.0	WSC00026R000FBA	6	.88	.70	.56	.54	
71-WSC-2-10	WSC000210R00FBA	10	.88	.70	.56	.54	
71-WSC-2-20	WSC000220R00FBA	20	.88	.70	.56	.54	
71-WSC-2-24.9	WSC000224R90FBA	24.9	.88	.70	.56	.54	
71-WSC-2-33.2	WSC000233R20FBA	33.2	.88	.70	.56	.54	
71-WSC-2-100	WSC0002100R0FBA	100	1.40	1.12	.90	.84	

WSC SERIES-1/2, 1, 2, AND 3 WATT, LEAD FREE

RoHS Compliant

LEAD-FREE

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				
			1	100	500	1000	2000+
WSC01/2 Size, 1/2 Watt							
71-WSC01/2-1-E3	WSC01/21R000FEB	1.0	2.19	1.98	1.79	1.55	Call
71-WSC01/2-2-E3	WSC01/22R000FEB	2.0	1.98	1.65	1.52	1.33	
71-WSC01/2-4.99-E3	WSC01/24R990FEB	4.99	2.19	1.98	1.79	1.55	
WSC2515 Size, 1 Watt							
71-WSC2515-0.5-E3	WSC2515R5000FEB	0.5	2.39	2.09	1.89	1.65	Call for Quote
71-WSC2515-1-E3	WSC25151R000FEB	1.0	1.89	1.55	1.43	1.26	
71-WSC2515-2-E3	WSC25152R000FEB	2.0	1.89	1.55	1.43	1.26	
71-WSC2515-5-E3	WSC25155R000FEB	5.0	1.89	1.55	1.43	1.26	
71-WSC2515-10-E3	WSC251510R00FEB	10	1.89	1.55	1.43	1.26	
71-WSC2515-50-E3	WSC251550R00FEB	50	2.19	1.98	1.79	1.55	
71-WSC2515-100-E3	WSC2515100R0FEB	100	2.19	1.98	1.79	1.55	
71-WSC2515-1K-E3	WSC25151K000FEB	1K	2.89	2.49	2.35	1.99	
71-WSC2515-2K-E3	WSC25152K000FEB	2K	2.89	2.49	2.35	1.99	
WSC4527 Size, 2 Watt							
71-WSC4527-1-E3	WSC45271R000FEB	1.0	2.39	2.09	1.89	1.65	Call for Quote
71-WSC4527-2-E3	WSC45272R000FEB	2.0	1.89	1.55	1.43	1.26	
71-WSC4527-5-E3	WSC45275R000FEB	5.0	1.89	1.55	1.43	1.26	
71-WSC4527-10-E3	WSC452710R00FEB	10	1.89	1.55	1.43	1.26	
71-WSC4527-20-E3	WSC452720R00FEB	20	1.89	1.55	1.43	1.26	
71-WSC4527-50-E3	WSC452750R00FEB	50	2.59	2.19	2.05	1.75	
71-WSC4527-100-E3	WSC4527100R0FEB	100	2.59	2.19	2.05	1.75	
71-WSC4527-400-E3	WSC4527400R0FEB	400	2.59	2.19	2.05	1.75	
71-WSC4527-1K-E3	WSC45271K000FEB	1K	3.65	3.05	2.79	2.45	
71-WSC4527-2K-E3	WSC45272K000FEB	2K	3.65	3.05	2.79	2.45	
WSC6927 Size, 3 Watt							
71-WSC6927-0.5-E3	WSC6927R5000FEA	0.5	4.05	3.30	3.05	2.69	Call for Quote
71-WSC6927-1-E3	WSC69271R000FEA	1.0	3.59	2.99	2.69	2.35	
71-WSC6927-10-E3	WSC692710R00FEA	10	3.59	2.99	2.69	2.35	
71-WSC6927-100-E3	WSC6927100R0FEA	100	3.59	2.99	2.69	2.35	
71-WSC6927-1K-E3	WSC69271K000FEA	1K	3.59	2.99	2.69	2.35	

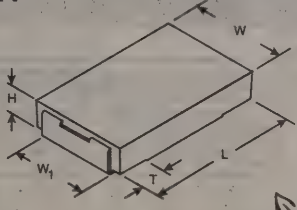
VISHAY / DALE 4527 - 1% SMD Power Metal Strip® Resistors - Low Value

WSR SERIES, 2 AND 3 WATT

LEAD-FREE

Features:

- Ideal for current sensing, voltage division and pulse applications including switching, linear power supplies, and power amplifiers
- Molded high temperature encapsulation
- Very low inductance 0.5nH to 5nH
- Proprietary technique produces extremely low resistance values
- Excellent frequency response
- Low thermal EMF
- Tolerance 1% standard
- Case size: 4527
- Cut Tape or Full Reels available



RoHS Compliant

Model	Power Rating @ 70°	DIMENSIONS: mm (in.)				
		L	H	T	W	W_1
WSR2	2 Watt	11.56±0.813 (0.455±0.032)	2.41±0.127 (0.095±0.005)	2.54±0.254 (0.1±0.01)	6.98±0.127 (0.275±0.005)	5.46±0.127 (0.215±0.005)
WSR3	3 Watt					

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				
			1	100	500	1000	2000+
2 Watt							
71-WSR25L000FEB	WSR25L000FEB	.005	2.25	1.89	1.69	1.49	Call for Quote
71-WSR27L000FEB	WSR27L000FEB	.007	2.25	1.89	1.69	1.49	
71-WSR28L000FEB	WSR28L000FEB	.008	2.25	1.89	1.69	1.49	
71-WSR2R0100FEB	WSR2R0100FEB	.01	1.89	1.55	1.44	1.26	
71-WSR2R0125FEB	WSR2R0125FEB	.0125	1.89	1.55	1.44	1.26	
71-WSR2R0150FEB	WSR2R0150FEB	.015	1.89	1.55	1.44	1.26	
71-WSR2R0200FEB	WSR2R0200FEB	.02	1.89	1.55	1.44	1.26	
71-WSR2R0250FEB	WSR2R0250FEB	.025	1.89	1.55	1.44	1.26	
71-WSR2R0300FEB	WSR2R0300FEB	.03	1.89	1.55	1.44	1.26	
71-WSR2R0330FEB	WSR2R0330FEB	.033	1.89	1.55	1.44	1.26	
71-WSR2R1000FEB	WSR2R1000FEB	.10	1.69	1.39	1.29	1.13	

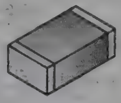
MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each				
			1	100	500	1000	2000+
2 Watt (Cont.)							
71-WSR2R2000FEB	WSR2R2000FEB	.20	1.69	1.39	1.29	1.13	Call for Quote
71-WSR2R4020FEB	WSR2R4020FEB	.40	1.69	1.39	1.29	1.13	
71-WSR2R5000FEB	WSR2R5000FEB	.50	1.69	1.39	1.29	1.13	
71-WSR2R7500FEB	WSR2R7500FEB	.75	1.69	1.39	1.29	1.13	
71-WSR21R000FEB	WSR21R000FEB	1.00	1.69	1.39	1.29	1.13	
3 Watt							
71-WSR3R0100FEB	WSR3R0100FEB	.01	1.91	1.59	1.43	1.27	Call for Quote
71-WSR3R0200FEB	WSR3R0200FEB	.02	1.91	1.59	1.43	1.27	
71-WSR3R1000FEB	WSR3R1000FEB	.10	1.75	1.39	1.32	1.16	
71-WSR3R2000FEB	WSR3R2000FEB	.20	1.75	1.39	1.32	1.16	

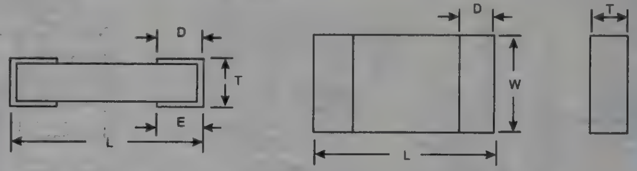
VISHAY / THIN FILM High Frequency Chip Resistors

RoHS Compliant **This page of product is compliant.**

FC SERIES - HIGH FREQUENCY UP TO 20GHZ

Features:
- Excellent frequency response to 30GHz
- Edge trimmed block resistors
- Alumina substrate high purity (99.6%)
- Tolerance 0.1%
- Ohmic range (10Ω - 1000Ω are available for quote)
- Termination solder, ribbon or wire bondable
- TCR 25ppm/°C)





DIMENSIONS: IN. (mm)

PRODUCT NEW

Applications:
- Low noise emplifiers
- Attenuation
- Line termination applications in fixed telcom and military/aero space system
- Precision voltage dividers
- High speed routers

Dimensions

Case Size	Length	Width W (±0.05)	Thickness Min./Max.	Top Pad D (±0.005)	Bottom Pad E (± 0.005)
0402	0.040±0.003 (1.016±0.076)	0.020 (0.508)	0.015 (0.381)	0.012 (0.305)	0.015 (0.381)
0603	0.064±0.006 (1.626±0.153)	0.032 (0.813)	0.015 (0.381)	0.012 (0.305)	0.015 (0.381)

RoHS Compliant LEAD-FREE

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Power Rating Watts	Chip Termination	Price Each			
					1	25	50	100
0402 Chip Size 25ppm								
71-FC0402E50R0BTBWS	FC0402E50R0BTBWS	50	50mW	Flip Chip	7.63	7.50	7.13	6.85
71-FC0402E50R0BSWS	FC0402E50R0BSWS	50	50mW	Wrap	7.63	7.50	7.13	6.85
71-FC0402E1000BBWS	FC0402E1000BBWS	100	50mW	Wrap	7.63	7.50	7.13	6.85
71-FC0402E1000BTBWS	FC0402E1000BTBWS	100	50mW	Flip Chip	7.63	7.50	7.13	6.85
0603 Chip Size 25ppm								
71-FC0603E50R0BTBWS	FC0603E50R0BTBWS	50	125mW	Flip Chip	7.63	7.50	7.13	6.85
71-FC0603E50R0BSWS	FC0603E50R0BSWS	50	125mW	Wrap	7.63	7.50	7.13	6.85
71-FC0603E1000BSWS	FC0603E1000BSWS	100	125mW	Wrap	7.63	7.50	7.13	6.85
71-FC0603E1000BTBWS	FC0603E1000BTBWS	100	125mW	Flip Chip	7.63	7.50	7.13	6.85

VISHAY / SFERNICE High Precision Wraparound Thin Film Chip Resistors

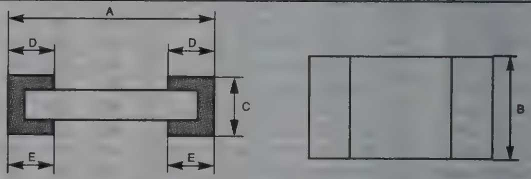
P SERIES

Features:
- Load Life Stability at ±70°C for 2000 hours: .1% under Pn/.05% under Pd
- Low Temperature Coefficient: ±10ppm/°C
- Very Low Noise <35dB and Voltage Coefficient <.01ppm/V
- Resistance Range: 10Ω to 50MΩ depending on size
- Tolerances to ±.1%
- In Lot Tracking ≤5ppm/°C
- Termination: tin/silver (tin/lead available)
- Short Circuits (Jumpers) r<50mR, I<2A

RoHS Compliant

Case Size	DIMENSIONS: mm (in.)				Power Rating		Limiting Element Voltage	Resistance Range
	A	B	C	D/E				
	Tol. ±.152 (.006)	Tol. ±.127 (.005)	Tol. ±.127 (.005)	Tol. ±.13(.005)	Pn	Pd	V	Ω
0603	1.52 (.06)	.75 (.03)	.5 (.02)	.38 (.015)	125	50	50	10Ω to 260Ω
0805	1.91 (.075)	1.27 (.05)	.5 (.02)	.38 (.015)	200	100	50	10Ω to 300Ω
1206	3.06 (.120)	1.60 (.063)	.5 (.02)	.38 (.015)	330	150	75	10Ω to 1MΩ

MOUSER STOCK NO.	Vishay Part No.	Value Ω	Tolerance	Price Each			
				1	25	50	100
71-P0603Y1001BN	P0603Y1001BN	1K	0.1%	4.27	3.71	3.52	3.34
71-P0603Y2001BN	P0603Y2001BN	2K	0.1%	4.27	3.71	3.52	3.34
71-P0603Y1002BN	P0603Y1002BN	10K	0.1%	4.27	3.71	3.52	3.34
71-P0603Y1003BN	P0603Y1003BN	100K	0.1%	4.27	3.71	3.52	3.34
71-P0805Y1001BN	P0805Y1001BN	1K	0.1%	4.27	3.71	3.52	3.34
71-P0805Y2001BN	P0805Y2001BN	2K	0.1%	4.27	3.71	3.52	3.34
71-P0805Y1002BN	P0805Y1002BN	10K	0.1%	4.27	3.71	3.52	3.34
71-P0805Y1003BN	P0805Y1003BN	100K	0.1%	4.27	3.71	3.52	3.34
71-P1206Y1001BN	P1206Y1001BN	1K	0.1%	4.44	3.86	3.67	3.48
71-P1206Y1002BN	P1206Y1002BN	10K	0.1%	4.44	3.86	3.67	3.48
71-P1206Y2002BN	P1206Y2002BN	20K	0.1%	4.44	3.86	3.67	3.48
71-P1206Y1003BN	P1206Y1003BN	100K	0.1%	4.44	3.86	3.67	3.48
71-P1206Y1004BN	P1206Y1004BN	1M	0.1%	4.44	3.86	3.67	3.48



Case Size	EXTENDED OHMIC VALUE RANGE		
	Tightest Tol. %	Extended Ohmic Range	Best TCR (ppm/°C)
0603	.1	300K - 2M	50
0805	.1	500K - 5M	50
1206	.05	1M - 2M	25
	.1	2M - 15M	50

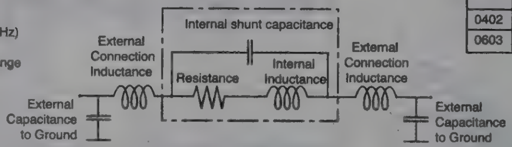
VISHAY / SFERNICE Thin Film Microwave Resistors

CH SERIES

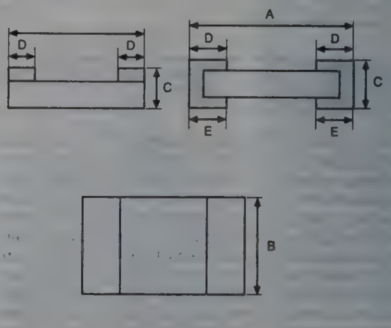
Features:
- Small size, down to 20 by 16mils available
- Edged trimmed block resistors
- Pure alumina substrate (99.5%)
- Small internal reactance (LC down to 1x10-24@20GHz)
- Tolerance: 1%, 2%, 5%, 10% available
- TCR: 100 ppm/°C in (-55°C, +155°C) temperature range
- Ohmic Range: 10Ω to 500Ω

RoHS Compliant

Typical High Frequency Performance Electrical Model


Internal shunt capacitance
External Connection Inductance
Resistance
Internal Inductance
External Connection Inductance
External Capacitance to Ground
External Capacitance to Ground

Case Size	DIMENSIONS: mm (in.)				Power Rating Pn mW	Limiting Element Voltage (V)
	A	B	C	D/E		
	Tol. ±.1 (.004)	Tol. ±.1 (.004)	Tol. ±.127 (.005)	Tol. ±.13(.005)		
0402	1 (.04)	.6 (.023)	.5 (.02)	.38 (.015)	50	37
0603	1.52 (.06)	.75 (.03)	.5 (.02)	.38 (.015)	125	50

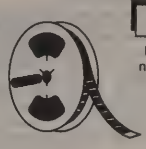


MOUSER STOCK NO.	Vishay Part No.	Value Ω	Price Each			
			1	25	50	100
71-CH0402-10RJN	CH0402-10RJN	10	5.07	4.51	4.06	3.69
71-CH0402-50RJN	CH0402-50RJN	50	5.07	4.51	4.06	3.69
71-CH0402-100RJN	CH0402-100RJN	100	3.73	3.24	3.08	2.92
71-CH0402-250RJN	CH0402-250RJN	250	6.65	6.20	5.83	5.72
71-CH0603-50RJN	CH0603-50RJN	50	3.73	3.24	3.08	2.92
71-CH0603-75RJN	CH0603-75RJN	75	3.73	3.24	3.08	2.92
71-CH0603-100RJN	CH0603-100RJN	100	3.73	3.24	3.08	2.92
71-CH0603-250RJN	CH0603-250RJN	250	3.73	3.24	3.08	2.92

XICON 0603, 0805, 1206 - 5% SMD Thick Film Resistors

Features:
- High purity alumina substrate
- Wave or flow solderable
- Wrap around termination
- Excellent high frequency characteristics
- Tight temperature coefficient resistance
- Inner electrode protection
- Excellent mechanical strength
- Excellent electrical stability
- High quality thick film element
- Stable high frequency characteristics
- Reduced lead inductance

Common Specification:
- Temperature coefficient:
  100Ω and below: ±500ppm
  110Ω to 470KΩ: ±300ppm
  510KΩ to 3.3MΩ: ±500ppm
  3.6MΩ to 10MΩ: ±1000ppm



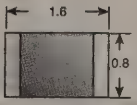
Resistor Pricing

Resistors ordered in lots of 1 reel per value can be combined with the same stock number range for lower price. Annual price agreements are also available. Call any Mouser Service Representative.

RoHS Compliant

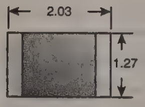
Available in Reels

0603 Case Style Specifications:
- Rated power: 1/16W
- Max working voltage: 50V DC
- Max overload voltage: 100V DC
- Operating temperature range:
  -55°C to +125°C



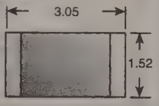
DIMENSIONS: mm

0805 Case Style Specifications:
- Rated power: 1/10W
- Resistance tolerance: ±5%
- Max working voltage: 100V DC
- Max overload voltage: 200V DC
- Operating temperature: -55°C to +125°C



DIMENSIONS: mm

1206 Case Style Specifications:
- Rated power: 1/8W
- Resistance tolerance: ±5%
- Max working voltage: 200V DC
- Max overload voltage: 300V DC
- Operating temperature: -55°C to +125°C



DIMENSIONS: mm

TABLE OF STANDARD VALUES

0	1.8	3.6	6.8	13	27	51	100	200	390	750	1.5K	3.0K	5.6K	11K	22K	43K	82K	160K	330K	620K	1.2M	2.4M	4.7M	9.1M
1.0	2.0	3.9	7.5	15	30	56	110	220	430	820	1.6K	3.3K	6.2K	12K	24K	47K	91K	180K	360K	680K	1.3M	2.7M	5.1M	10M
1.1	2.2	4.3	8.2	16	33	62	120	240	470	910	1.8K	3.6K	6.8K	13K	27K	51K	100K	200K	390K	750K	1.5M	3.0M	5.6M	
1.2	2.4	4.7	9.1	18	36	68	130	270	510	1.0K	2.0K	3.9K	7.5K	15K	30K	56K	110K	220K	430K	820K	1.6M	3.3M	6.2M	
1.3	2.7	5.1	10	20	39	75	150	300	560	1.1K	2.2K	4.3K	8.2K	16K	33K	62K	120K	240K	470K	910K	1.8M	3.6M	6.8M	
1.5	3.0	5.6	11	22	43	82	160	330	620	1.2K	2.4K	4.7K	9.1K	18K	36K	68K	130K	270K	510K	1.0M	2.0M	3.9M	7.5M	
1.6	3.3	6.2	12	24	47	91	180	360	680	1.3K	2.7K	5.1K	10K	20K	39K	75K	150K	300K	560K	1.1M	2.2M	4.3M	8.2M	

Case Size	Cut Tape Parts packed on SMD tape.				Tape and Reel				
	MOUSER STOCK NO.	Price Per Value			Reel Qty.	Price Each			
		1	100	1000		5000	10000	50000	100000
0603	301-Value-RC	.07	.024	.016	5000	.004	.003	.002	.002
0805	260-Value-RC	.04	.02	.016	5000	.003	.003	.002	.002
1206	263-Value-RC	.04	.02	.014	5000	.007	.006	.004	.003

XICON 0402, 0603, 0805, 1206 - 1% SMD Thick Film Resistors

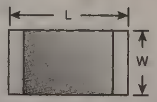
0805 Case Style Specifications:
- Rated power: 1/10W
- Resistance tolerance: ±1%
- Max working voltage: 100V DC
- Max overload voltage: 200V DC
- Operating temperature: -55°C to +125°C

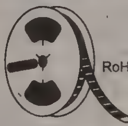
1206 Case Style Specifications:
- Rated power: 1/8W
- Resistance tolerance: ±1%
- Max working voltage: 200V DC
- Max overload voltage: 300V DC
- Operating temperature: -55°C to +125°C

Common Specification:
- Temperature coefficient:
  100Ω and below: ±300ppm
  102Ω to 499KΩ: ±100ppm
  511KΩ to 1.0MΩ: ±300ppm

Available in Reels

DIMENSIONS: mm





RoHS Compliant

TABLE OF STANDARD VALUES

10	17.4	30.1	52.3	90.9	158	274	464	806	1.4K	2.43K	4.12K	7.15K	12.4K	21.5K	36.5K	63.4K	110K	191K	324K	562K	976K
10.2	17.8	30.9	53.6	93.1	162	280	475	825	1.43K	2.49K	4.22K	7.32K	12.7K	22.1K	37.4K	64.9K	113K	196K	332K	576K	1.0M
10.5	18.2	31.6	54.9	95.3	165	287	487	845	1.47K	2.55K	4.32K	7.5K	13K	22.6K	38.3K	66.5K	115K	200K	340K	590K	
10.7	18.7	32.4	56.2	97.6	169	294	499	866	1.5K	2.61K	4.42K	7.68K	13.3K	23.2K	39.2K	68.1K	118K	205K	348K	604K	
11	19.1	33.2	57.6	100	174	300	511	887	1.54K	2.67K	4.53K	7.87K	13.7K	23.7K	40.2K	69.8K	121K	210K	357K	619K	
11.3	19.6	34	59	102	178	301	523	909	1.58K	2.74K	4.64K	8.06K	14K	24.3K	41.2K	71.5K	124K	215K	365K	634K	
11.5	20	34.8	60.4	105	182	309	536	931	1.62K	2.8K	4.75K	8.25K	14.3K	24.9K	42.2K	73.2K	127K	221K	374K	649K	
11.8	20.5	35.7	61.9	107	187	316	549	953	1.65K	2.87K	4.87K	8.45K	14.7K	25.5K	43.2K	75K	130K	226K	383K	665K	
12.1	21	36.5	63.4	110	191	324	562	976	1.69K	2.94K	4.99K	8.66K	15K	26.1K	44.2K	76.8K	133K	232K	392K	681K	
12.4	21.5	37.4	64.9	113	196	332	576	1.0K	1.74K	3.0K	5.11K	8.87K	15.4K	26.7K	45.3K	78.7K	137K	237K	402K	698K	
12.7	22.1	38.3	66.5	115	200	340	590	1.02K	1.78K	3.01K	5.23K	9.09K	15.8K	27.4K	46.4K	80.6K	140K	243K	412K	715K	
13	22.6	39.2	68.1	118	205	348	604	1.05K	1.82K	3.09K	5.36K	9.31K	16.2K	28K	47.5K	82.5K	143K	249K	422K	732K	
13.3	23.2	40.2	69.8	121	210	357	619	1.07K	1.87K	3.16K	5.49K	9.53K	16.5K	28.7K	48.7K	84.5K	147K	255K	432K	750K	
13.7	23.7	41.2	71.5	124	215	365	634	1.1K	1.91K	3.24K	5.62K	9.76K	16.9K	29.4K	49.9K	86.6K	150K	261K	442K	768K	
14	24.3	42.2	73.2	127	221	374	649	1.13K	1.96K	3.32K	5.76K	10K	17.4K	30K	51.1K	88.7K	154K	267K	453K	787K	
14.3	24.9	43.2	75	130	226	383	665	1.15K	2.0K	3.4K	5.9K	10.2K	17.8K	30.1K	52.3K	90.9K	158K	274K	464K	806K	
14.7	25.5	44.2	76.8	133	232	392	681	1.18K	2.05K	3.48K	6.04K	10.5K	18.2K	30.9K	53.6K	93.1K	162K	280K	475K	825K	
15	26.1	45.3	78.7	137	237	402	698	1.21K	2.1K	3.57K	6.19K	10.7K	18.7K	31.6K	54.9K	95.3K	165K	287K	487K	845K	
15.4	26.7	46.4	80.6	140	243	412	715	1.24K	2.15K	3.65K	6.34K	11K	19.1K	32.4K	56.2K	97.6K	169K	294K	499K	866K	
15.8	27.4	47.5	82.5	143	249	422	732	1.27K	2.21K	3.74K	6.49K	11.3K	19.6K	33.2K	57.6K	100K	174K	300K	511K	887K	
16.2	28	48.7	84.5	147	255	432	750	1.3K	2.26K	3.83K	6.65K	11.5K	20K	34K	59K	102K	178K	301K	523K	909K	
16.5	28.7	49.9	86.6	150	261	442	768	1.33K	2.32K	3.92K	6.81K	11.8K	20.5K	34.8K	60.4K	105K	182K	309K	536K	931K	
16.9	29.4	51.1	88.7	154	267	453	787	1.37K	2.37K	4.02K	6.98K	12.1K	21K	35.7K	61.9K	107K	187K	316K	549K	953K	

Case Size	Cut Tape Parts packed on SMD tape.						Tape and Reel				
	MOUSER STOCK NO.	Dimensions: mm		Price Per Value			Reel Qty.	Price Each			
		L	W	1	100	1000		5000	10000	50000	100000
0402	304-Value-RC	1.0	0.5	.09	.026	- - -	10000	- - -	.006	.004	.003
0603	302-Value-RC	1.6	0.8	.08	.025	.014	5000	.005	.004	.002	.002
0805	292-Value-RC	2.03	1.27	.08	.026	.016	5000	.006	.005	.003	.003
1206	290-Value-RC	3.05	1.52	.10	.033	.023	5000	.007	.006	.004	.004

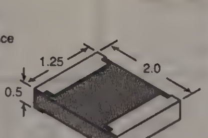
XICON 0.1% SMD Thin Film Resistors

10PPM/°C - 0805

Specifications:
- Tolerance: ±0.1%
- TCR: ±10PPM/°C
- Package size: 0805
- Max. operating voltage: 75VDC max.
- Power rating: 0.1W
- Available in other package sizes with lead time and MOQ requirements

Features:
- Thin film resistor
- Stable high frequency performance
- Uniform physical dimensions

MOUSER STOCK NO.	Range of Values (Ω) See Table	Price Each			
		1	50	100	500
288-Value	100 - 100K	1.39	1.25	.95	.70



DIMENSIONS: mm

TABLE OF STANDARD VALUES

100	215	511	1.1K	2.1K	4.02K	6.65K	11.5K	21K	39.2K
105	243	590	1.24K	2.21K	4.12K	6.81K	12.1K	24.3K	40.2K
121	249	634	1.33K	2.49K	4.22K	6.98K	12.4K	24.9K	46.4K
124	267	732	1.5K	2.61K	4.53K	7.5K	13K	30.1K	49.9K
130	301	825	1.54K	3.16K	4.75K	7.68K	13.3K	30.9K	56.2K
150	340	845	1.62K	3.24K	4.99K	7.87K	15K	32.4K	66.5K
165	357	887	1.65K	3.32K	5.62K	8.25K	16.5K	33.2K	68.1K
174	365	931	1.78K	3.57K	5.9K	9.09K	18.7K	34.8K	75K
187	402	1.0K	2.0K	3.83K	6.04K	10K	19.1K	35.7K	78.7K
200	499	1.02K	2.05K	3.92K	6.34K	10.2K	20K	38.3K	100K

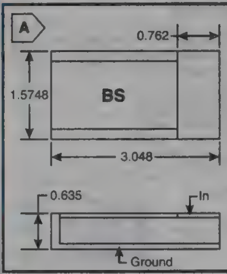
BOURNS Bare Metal Element & Power RF Chip Resistors

Reliable Electronic Solutions

RoHS Compliant This page of product is compliant.

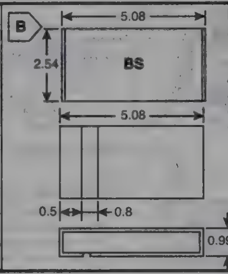
CHF POWER RF CHIP TERMINATION RESISTORS

DIMENSIONS: mm


A
0.762
1.5748
BS
3.048
0.635
In
Ground

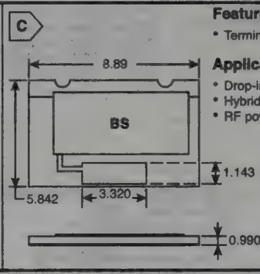
Features:
- Terminal for lead attachment

Applications:
- Drop in isolators
- RF amplifiers


B
5.08
2.54
BS
5.08
0.5
0.8
0.9906

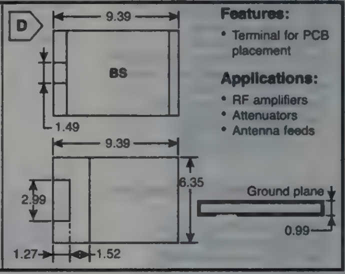
Features:
- Terminal for PCB placement

Applications:
- RF amplifiers
- Attenuators
- Antenna feeds


C
8.89
BS
1.143
5.842
3.320
0.9906

Features:
- Terminal for lead

Applications:
- Drop-in isolators
- Hybrid couplers
- RF power amplifiers


D
9.39
BS
1.49
9.39
6.35
2.99
Ground plane
0.99
1.27
1.52

Features:
- Terminal for PCB placement

Applications:
- RF amplifiers
- Attenuators
- Antenna feeds

Features:
- Low VSWR
- Aluminum Nitride ceramic

Specifications:
- Resistive Film: Thick-Film
- Terminals: Ni Au
- Resistance: 50Ω
- Tolerance: ±5 %
- Packaging: Tape & Reel: 2000 pcs./13" reel
  Bulk: 100 pcs./bag

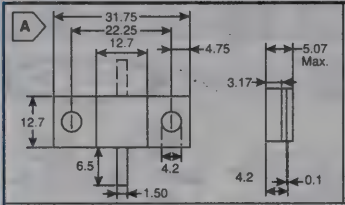
RoHS Compliant

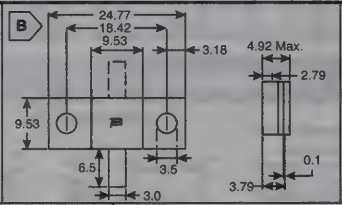
For quantities of 100 and up, call for quote.

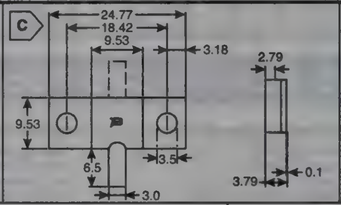
MOUSER STOCK NO.	Bourns Part No.	Fig.	Power	Resistance (Ω)	Frequency (GHz)	VSWR Max	Substrate	Mount	Price Each			
									1	10	25	50
652-CHF1206CNT500LW	CHF1206CNT500LW	A	20	50	4	1.25	Alumina	Tab	4.69	4.06	3.13	2.50
652-CHF2010CNP500LX	CHF2010CNP500LX	B	10	50	2	1.2	Alumina	Printed Circuit Board	6.04	5.23	4.03	3.22
652-CHF3523CNT500LW	CHF3523CNT500LW	C	150	50	3	1.2	Alumina	Tab	8.74	7.57	5.83	4.66
652-CHF3523DNT500LW	CHF3523DNT500LW	C	150	50	3	1.2	Alumina	Tab	8.74	7.57	5.83	4.66
652-CHF3725CNP500LW	CHF3725CNP500LW	D	40	50	3	1.25	Alumina	Printed Circuit Board	10.09	8.74	6.73	5.38

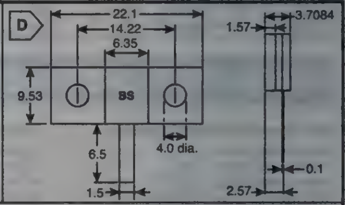
CHF POWER RF FLANGED CHIP TERMINATION RESISTORS

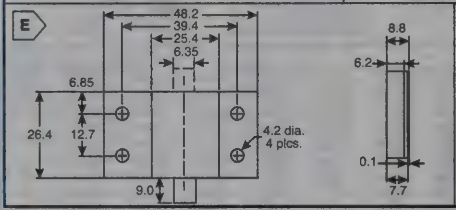
DIMENSIONS: mm

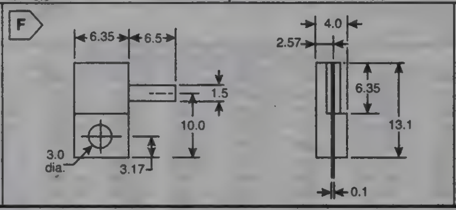

A
31.75
22.25
12.7
4.75
5.07 Max.
3.17
12.7
6.5
4.2
4.2
1.50
0.1

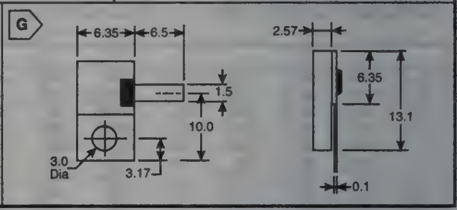

B
24.77
18.42
9.53
3.18
4.92 Max.
2.79
9.53
6.5
3.5
0.1
3.79
3.0


C
24.77
18.42
9.53
3.18
2.79
9.53
6.5
3.5
3.79
0.1
3.0


D
22.1
14.22
6.35
1.57
3.7084
9.53
BS
4.0 dia.
6.5
1.5
2.57
0.1


E
48.2
39.4
25.4
6.35
8.8
6.85
6.2
26.4
12.7
4.2 dia. 4 plcs.
0.1
9.0
7.7


F
6.35
6.5
4.0
2.57
1.5
6.35
10.0
13.1
3.0 dia.
3.17
0.1


G
6.35
6.5
2.57
1.5
6.35
10.0
13.1
3.0 Dia
3.17
0.1

Applications:
- High power RF transmission

Features:
- Low VSWR
- Flanged model

Specifications:
- Resistive Film: Thick film
- Tab: Ag
- Cover substrate: AL203
- Mounting flange: Cu plated with Ni
- Resistance: 50Ω
- Tolerance: ±5%

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Power	Resistance (Ω)	Frequency (GHz)	VSWR Max	Substrate	Mount	Packaging pcs./tray	Price Each			
										1	10	25	50
652-CHF12545CBF500L	CHF12545CBF500L	A	500	50	1	1.1	BEO	Flange	20	75.00	65.00	50.00	40.00
652-CHF9838CBF500L	CHF9838CBF500L	B	250	50	3	1.25	Beo	Flange	60	29.55	25.61	19.70	15.76
*652-CHF9838CNF500L	CHF9838CNF500L	C	250	50	2.2	1.1	Alumina	Flange	60	17.90	16.11	14.32	12.89
*652-CHF8838CNF500L	CHF8838CNF500L	D	150	50	3	1.2	Alumina	Flange	60	26.85	23.27	17.90	14.32
652-CHF190104CBF500L	CHF190104CBF500L	E	800	50	1	1.2	BEO	Flange	25	90.00	78.00	60.00	48.00
652-CHF5225CBF500L	CHF5225CBF500L	F	60	50	4	1.2	BEO	Flange	100	33.75	29.25	22.50	18.00
*652-CHF5225CNF500L	CHF5225CNF500L	G	60	50	4	1.2	Alumina	Flange	100	33.75	29.25	22.50	18.00
*652-CHF5225CAF500L	CHF5225CAF500L	G	20	50	4	1.2	Alumina	Flange	100	26.25	22.75	17.50	14.00

*Tab attachment: Brazed with epoxy encapsulation

PWR4412-2S SERIES BARE METAL ELEMENT RESISTOR

The Bourns® PWR4412-2SB Series is a through hole resistor designed for current shunt and current sensing applications such as power supplies of different kinds, motor drives and many other applications. The resistor is quite rugged, consisting of a special metal alloy welded to tinned copper leads.

RoHS Compliant

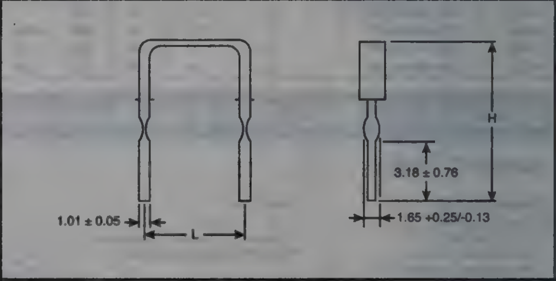
Applications:
- Power supplies
- UPS
- Motor drives

Features:
- High current capability
- Low inductance
- Radial leads
- Low ohmic

Electrical Specifications:
- Resistance value: 0.005Ω min. / 0.1Ω max.
- Power rating @ 85°C:
  Version B: 1.0 W
  Version C: 1.0 W
  Version D: 1.0 W
- Tolerance: 1%
- Temperature coefficient (TCR: -65°C<T<170°C: ±20 PPM/°C
- Operating temperature: -40 to +125°C
- Inductance: 10 nH
- Packaging: 250 pcs./bag

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Watt	Resistance (Ω)	Price Each			
				1	10	25	50
652-PWR44122SBR0100F	PWR4412-2SBR0100F	1	0.01	1.75	1.25	1.00	.75
652-PWR44122SBR0300F	PWR4412-2SBR0300F	1	0.03	1.75	1.25	1.00	.75
652-PWR44122SCR0100F	PWR4412-2SCR0100F	3	0.01	1.75	1.25	1.00	.75
652-PWR44122SCR0300F	PWR4412-2SCR0300F	3	0.03	1.75	1.25	1.00	.75
652-PWR44122SDR0100F	PWR4412-2SDR0100F	5	0.01	1.75	1.25	1.00	.75
652-PWR44122SDR0300F	PWR4412-2SDR0300F	5	0.03	1.75	1.25	1.00	.75


H
3.18 ± 0.76
1.01 ± 0.05
L
1.65 +0.25/-0.13

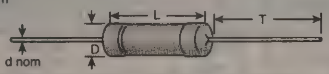
Dimensions: mm		
Version	L	H
B	11.43 +1.02/-0.51	5.08 ± 2.54
C	15.24 +1.02/-0.51	25.4 Max.
D	20.32 +1.02/-0.51	25.4 Max.

IRC 0.1% Metal Film Resistors - 1/4 Watt

RC55 SERIES - METAL FILM

Features:

- Tolerance: 0.1%
- Temperature Coefficient: 25ppm
- Power Rating: 70° C, 1/4W
- Power Rating: 70° C, 1/4W



RoHS Compliant

MOUSER STOCK NO.	Range of Values in (Ω) See Table	Price Each				DIMENSIONS: mm			
		1	50	100	500	L max	D max	T min	d nom
66-RC55LF-D-Value	10(Ω) - 249K	.96	.78	.64	.47	7.2	2.5	30	0.6
66-RC55LF-D-Value	255K -1M	1.08	.90	.72	.54	7.2	2.5	30	0.6

TABLE OF STOCKED VALUES

10	21.5	40.2	75	130	232	422	715	1.21K	2.05K	3.57K	6.04K	10K	16.5K	27.4K	45.3K	76.8K	127K	232K	402K	806K
10.2	22.1	42.2	80.6	133	237	432	732	1.24K	2.1K	3.65K	6.19K	10.2K	16.9K	28K	46.4K	78.7K	130K	243K	422K	825K
10.5	23.7	43.2	82.5	140	243	442	750	1.27K	2.21K	3.74K	6.34K	10.5K	17.4K	28.7K	47.5K	80.6K	133K	249K	442K	845K
10.7	24.3	44.2	84.5	143	249	464	787	1.3K	2.26K	3.83K	6.49K	10.7K	17.8K	29.4K	48.7K	82.5K	137K	255K	453K	866K
11	24.9	46.4	86.6	147	255	475	806	1.33K	2.32K	3.92K	6.65K	11K	18.2K	30.1K	49.9K	84.5K	140K	261K	464K	887K
11.8	25.5	47.5	88.7	150	261	487	825	1.37K	2.37K	4.02K	6.81K	11.3K	18.7K	30.9K	51.1K	86.6K	147K	267K	475K	909K
12.7	26.1	49.9	90.9	154	267	499	845	1.4K	2.43K	4.12K	6.98K	11.5K	19.1K	31.6K	52.3K	88.7K	150K	274K	487K	931K
13	26.7	51.1	93.1	158	274	511	866	1.47K	2.49K	4.2K	7.15K	11.8K	19.6K	32.4K	53.6K	90.9K	154K	280K	499K	953K
14	27.4	52.3	95.3	162	301	523	887	1.5K	2.55K	4.32K	7.32K	12.1K	20K	33.2K	54.9K	93.1K	165K	287K	511K	1.0M
14.3	28	54.9	97.6	165	309	536	909	1.54K	2.61K	4.42K	7.5K	12.4K	20.5K	34K	56.2K	95.3K	169K	294K	536K	
15	28.7	56.2	100	169	316	549	931	1.58K	2.67K	4.53K	7.68K	12.7K	21K	34.8K	57.6K	97.6K	174K	301K	549K	
15.4	29.4	59	102	178	324	562	953	1.62K	2.8K	4.64K	7.87K	13K	21.5K	35.7K	59K	100K	178K	309K	576K	
15.8	30.1	60.4	105	182	332	576	976	1.65K	2.87K	4.75K	8.06K	13.3K	22.1K	36.5K	60.4K	102K	182K	316K	604K	
16.2	30.9	61.9	107	187	340	590	1.0K	1.69K	2.94K	4.87K	8.25K	13.7K	22.6K	37.4K	61.9K	105K	187K	324K	649K	
16.9	32.4	63.4	110	196	348	604	1.02K	1.74K	3.01K	4.99K	8.45K	14K	23.2K	38.3K	63.4K	107K	191K	332K	665K	
17.4	33.2	64.9	113	200	357	619	1.05K	1.78K	3.09K	5.11K	8.66K	14.3K	23.7K	39.2K	64.9K	110K	200K	340K	681K	
18.2	34	66.5	115	205	365	634	1.07K	1.82K	3.16K	5.23K	8.87K	14.7K	24.3K	40.2K	66.5K	113K	205K	348K	715K	
19.8	34.8	68.1	118	210	383	649	1.1K	1.87K	3.24K	5.36K	9.09K	15K	24.9K	41.2K	68.1K	115K	210K	357K	732K	
20	37.4	69.8	121	215	392	665	1.13K	1.91K	3.32K	5.49K	9.31K	15.4K	25.5K	42.2K	69.8K	118K	215K	365K	750K	
20.5	38.3	71.5	124	221	402	681	1.15K	1.96K	3.4K	5.62K	9.53K	15.8K	26.1K	43.2K	71.5K	121K	221K	374K	768K	
21	39.2	73.2	127	226	412	698	1.18K	2.0K	3.48K	5.9K	9.76K	16.2K	26.7K	44.2K	75K	124K	226K	392K	787K	

IRC 5% Thick Film Metal Glaze Resistors - 3 Watt

GS-3 SERIES

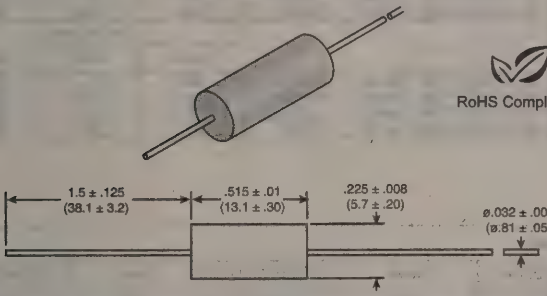
Features:

- High Surge Strength
- Effective as carbon Composition Replacement

Specifications:

- Power Rating: 3W @ 25°C
- Tolerance: 5%
- Leads: Tin-lead electroplated copper
- TCR: ±100(T0) ppm/°C
- Voltage Rating: 1000V Max.

DIMENSIONS: in. (mm)



RoHS Compliant

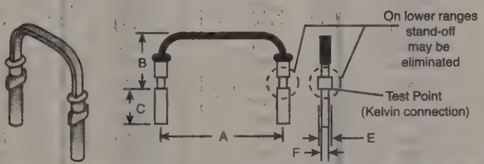
MOUSER STOCK NO.	IRC Part No.	Value (Ω)	Price Each					
			1	10	100	250	500	Reel 1000
66-GS310010R0JLF	GS3-100-10R0-J-LF	10	.45	.41	.38	.34	.30	.26
66-GS310022R0JLF	GS3-100-22R0-J-LF	22	.45	.41	.38	.34	.30	.26
66-GS310047R0JLF	GS3-100-47R0-J-LF	47	.45	.41	.38	.34	.30	.26
66-GS31001000JLF	GS3-100-1000-J-LF	100	.45	.41	.38	.34	.30	.26
66-GS31001500JLF	GS3-100-1500-J-LF	150	.45	.41	.38	.34	.30	.26
66-GS31002700JLF	GS3-100-2700-J-LF	270	.45	.41	.38	.34	.30	.26
66-GS31004700JLF	GS3-100-4700-J-LF	470	.45	.41	.38	.34	.30	.26
66-GS31005600JLF	GS3-100-5600-J-LF	560	.45	.41	.38	.34	.30	.26
66-GS31006800JLF	GS3-100-6800-J-LF	680	.45	.41	.38	.34	.30	.26
66-GS31001001JLF	GS3-100-1001-J-LF	1K	.45	.41	.38	.34	.30	.26
66-GS31002701JLF	GS3-100-2701-J-LF	2.7K	.45	.41	.38	.34	.30	.26
66-GS31003301JLF	GS3-100-3301-J-LF	3.3K	.45	.41	.38	.34	.30	.26
66-GS31004701JLF	GS3-100-4701-J-LF	4.7K	.45	.41	.38	.34	.30	.26
66-GS31007501JLF	GS3-100-7501-J-LF	7.5K	.45	.41	.38	.34	.30	.26
66-GS31008201JLF	GS3-100-8201-J-LF	8.2K	.45	.41	.38	.34	.30	.26
66-GS31001002JLF	GS3-100-1002-J-LF	10K	.45	.41	.38	.34	.30	.26
66-GS31002402JLF	GS3-100-2402-J-LF	24K	.45	.41	.38	.34	.30	.26
66-GS31001003JLF	GS3-100-1003-J-LF	100K	.45	.41	.38	.34	.30	.26
66-GS31003303JLF	GS3-100-3303-J-LF	330K	.45	.41	.38	.34	.30	.26
66-GS31001004JLF	GS3-100-1004-J-LF	1M	.45	.41	.38	.34	.30	.26

IRC Leaded Current Sensing Resistors

OAR SERIES OPEN AIR SENSE RESISTORS

Note:
Contact factory for:
1. Variations of "A" dimension
2. Different lead diameter

RoHS Compliant


B
C
A
F
E
On lower ranges stand-off may be eliminated
Test Point (Kelvin connection)

Dimensions IN (mm)					
Type	A	B	C	E	F
OAR-1	0.450 +0.040 / -0.020 (11.43 +1.020 / -0.508)	0.200±0.100 (5.08±2.54)	0.125±0.030 (3.18±0.762)	0.065 +0.010 / -0.005 (1.65 +0.254 / -0.127)	0.040±0.002 (1.02±0.051)
OAR-3	0.600 +0.040 / -0.020 (15.24 +1.020 / -0.508)	0.600 max. (15.3 max.)	0.125±0.030 (3.18±0.762)	0.065 +0.010 / -0.005 (1.65 +0.254 / -0.127)	0.040±0.002 (1.02±0.051)
OAR-5	0.800 +0.040 / -0.020 (20.32 +1.020 / -0.508)	0.35 max. (8.9 max.)	25±0.030 (3.18±0.762)	0.065 +0.010 / -0.005 (1.65 +0.254 / -0.127)	0.040±0.002 (1.02±0.051)

Features:

- Welded Construction
- Flameproof
- Inductance Less than 10nH
- Solderable Copper Leads (60/40)

Operating Characteristics:

- Load Life @ 25°C (1000 hrs): 1% Max.
- Moisture No Load (1000 hrs): 1% Max.
- Temp. Cycle @ -40°C & +125°C (1000 cyc): 1% Max.

Specifications:

- Tolerance: ±5%
- Resistance Wire TCR ±20ppm/°C

Feedback:

- Low Inductance
- Surge and Pulse

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Power Rating (@ 85°)	Price Each				
				1	10	100	250	Reel 1000
66-OAR1R005JLF	OAR1R005JLF	0.005	1W	.56	.53	.49	.46	.39
66-OAR1R010JLF	OAR1R010JLF	0.010	1W	.60	.56	.53	.49	.41
66-OAR1R015JLF	OAR1R015JLF	0.015	1W	.60	.56	.53	.49	.41
66-OAR1R020JLF	OAR1R020JLF	0.020	1W	.60	.56	.53	.49	.41
66-OAR1R030JLF	OAR1R030JLF	0.030	1W	.60	.56	.53	.49	.41
66-OAR1R040JLF	OAR1R040JLF	0.040	1W	.60	.56	.53	.49	.41
66-OAR1R050JLF	OAR1R050JLF	0.050	1W	.60	.56	.53	.49	.41
66-OAR1R070JLF	OAR1R070JLF	0.070	1W	.60	.56	.53	.49	.41
66-OAR1R080JLF	OAR1R080JLF	0.080	1W	.60	.56	.53	.49	.41
66-OAR1R100JLF	OAR1R100JLF	0.100	1W	.60	.56	.53	.49	.41
66-OAR3R005JLF	OAR3R005JLF	0.005	3W	.78	.73	.68	.63	.53
66-OAR3R010JLF	OAR3R010JLF	0.010	3W	.68	.64	.60	.55	.47
66-OAR3R015JLF	OAR3R015JLF	0.015	3W	.68	.64	.60	.55	.47
66-OAR3R020JLF	OAR3R020JLF	0.020	3W	.68	.64	.60	.55	.47

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	IRC Part No.	Resist. (Ω)	Power Rating (@ 85°)	Price Each				
				1	10	100	250	Reel 1000
66-OAR3R030JLF	OAR3R030JLF	0.030	3W	.68	.64	.60	.55	.47
66-OAR3R040JLF	OAR3R040JLF	0.040	3W	.68	.64	.60	.55	.47
66-OAR3R050JLF	OAR3R050JLF	0.050	3W	.68	.64	.60	.55	.47
66-OAR3R070JLF	OAR3R070JLF	0.070	3W	.68	.64	.60	.55	.47
66-OAR3R080JLF	OAR3R080JLF	0.080	3W	.68	.64	.60	.55	.47
66-OAR3R100JLF	OAR3R100JLF	0.100	3W	.68	.64	.60	.55	.51
66-OAR5R005JLF	OAR5R005JLF	0.005	5W	.95	.89	.83	.77	.65
66-OAR5R010JLF	OAR5R010JLF	0.010	5W	1.20	1.13	1.05	.98	.83
66-OAR5R015JLF	OAR5R015JLF	0.015	5W	.95	.89	.83	.77	.65
66-OAR5R020JLF	OAR5R020JLF	0.020	5W	.95	.89	.83	.77	.65
66-OAR5R030JLF	OAR5R030JLF	0.030	5W	.95	.89	.83	.77	.65
66-OAR5R040JLF	OAR5R040JLF	0.040	5W	.95	.89	.83	.77	.65
66-OAR5R050JLF	OAR5R050JLF	0.050	5W	.95	.89	.83	.77	.65

KOA SPEER 5% Carbon Film Resistors - 1/4W, 1/2W

RoHS Compliant **This page of product is compliant.**

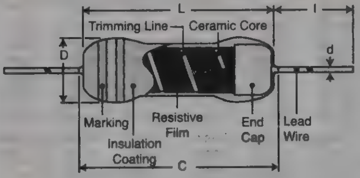
Features:
- Suitable for automatic machine insertion
- Marking: Beige body color with color-coded bands on CF.

ORDERING INFORMATION

In a continual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.

ORDERING INFORMATION

Type	Dimensions: in. (mm)				
	L	C (max.)	D	d (nom.)	l
CF1/4	.240±.02 (6.1±0.5)	.280 (7.1)	.091±.012 (2.3±0.3)	.024 (0.6)	.787 min. (20.0 min.)
CF1/2	.354±.039 (9.0±1.0)	.433 (11.0)	.138±0.2 (3.5±0.5)	.028 (0.7)	



CF	1/4	CL	T52	R	103	J
Type	Power Rating	Termination Material	Taping and Forming	Packaging	Nominal Resistance	Tolerance
CF	1/4: 0.25W 1/2: 0.5W	C: Sn Cu	Axial: T52	R: Reel	2 significant figures + 1 multiplier "R" indicates decimal on value <10Ω	J: ±5%

RoHS Compliant

For quantities greater than listed, call for quote.

KOA Series	Value Range	Watts	BULK PACKAGING						TAPE AND REEL					
			MOUSER STOCK NO.		Price Each				MOUSER STOCK NO.		Reel Quantity	Price Each		
				Value	1	100	500	1,000		Value		5,000	10,000	25,000
CF1/4C	0.5-0.68	1/4	660-CF1/4C	code	.15	.08	.05	.03	660-CF1/4CT52R	code	5000	.021	.019	.016
CF1/4C	1.0-5.1M	1/4	660-CF1/4C	code	.05	.03	.02	.01	660-CF1/4CT52R	code	5000	.007	.006	.005
CF1/4C	5.6M-10M	1/4	660-CF1/4C	code	.08	.04	.03	.02	660-CF1/4CT52R	code	5000	.011	.01	.009
CF1/4C	11M-22M	1/4	660-CF1/4C	code	.19	.10	.06	.04	660-CF1/4CT52R	code	5000	.025	.022	.02
					Price Each							Price Each		
					1	100	500	1,000				4,000	8,000	16,000
CF1/2C	0.5-0.68	1/2	660-CF1/2C	code	.16	.09	.06	.04	660-CF1/2CT52R	code	4000	.022	.02	.018
CF1/2C	1.0-5.1M	1/2	660-CF1/2C	code	.05	.03	.02	.015	660-CF1/2CT52R	code	4000	.013	.012	.011
CF1/2C	5.6M-10M	1/2	660-CF1/2C	code	.08	.04	.03	.02	660-CF1/2CT52R	code	4000	.015	.014	.013
CF1/2C	11M-22M	1/2	660-CF1/2C	code	.19	.10	.06	.04	660-CF1/2CT52R	code	4000	.025	.02	.014

Table of Stocked Values

Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
0.5	R50J	24	240J	680	681J	20K	203J	560K	564J
0.68	R68J	27	270J	750	751J	22K	223J	620K	624J
1.0	1R0J	30	300J	820	821J	24K	243J	680K	684J
1.1	1R1J	33	330J	910	911J	27K	273J	750K	754J
1.2	1R2J	36	360J	1K	102J	30K	303J	820K	824J
1.3	1R3J	39	390J	1.1K	112J	33K	333J	910K	914J
1.5	1R5J	43	430J	1.2K	122J	36K	363J	1M	105J
1.6	1R6J	47	470J	1.3K	132J	39K	393J	1.1M	115J
1.8	1R8J	51	510J	1.5K	152J	43K	433J	1.2M	125J
2.0	2R0J	56	560J	1.6K	162J	47K	473J	1.3M	135J
2.2	2R2J	62	620J	1.8K	182J	51K	513J	1.5M	155J
2.4	2R4J	68	680J	2K	202J	56K	563J	1.6M	165J
2.7	2R7J	75	750J	2.2K	222J	62K	623J	2M	205J
3.0	3R0J	82	820J	2.4K	242J	68K	683J	2.2M	225J
3.3	3R3J	91	910J	2.7K	272J	75K	753J	2.4M	245J
3.6	3R6J	100	101J	3K	302J	82K	823J	2.7M	275J
3.9	3R9J	110	111J	3.3K	332J	91K	913J	3M	305J
4.3	4R3J	120	121J	3.6K	362J	100K	104J	3.3M	335J
4.7	4R7J	130	131J	3.9K	392J	110K	114J	3.6M	365J
5.1	5R1J	150	151J	4.3K	432J	120K	124J	3.9M	395J
5.6	5R6J	160	161J	4.7K	472J	130K	134J	4.3M	435J
6.2	6R2J	180	181J	5.1K	512J	150K	154J	4.7M	475J
6.8	6R8J	200	201J	5.6K	562J	160K	164J	5.1M	515J
7.5	7R5J	220	221J	6.2K	622J	180K	184J	5.6M	565J
8.2	8R2J	240	241J	6.8K	682J	200K	204J	6.2M	625J
9.1	9R1J	270	271J	7.5K	752J	220K	224J	6.8M	685J
10	100J	300	301J	8.2K	822J	240K	244J	7.5M	755J
11	110J	330	331J	9.1K	912J	270K	274J	8.2M	825J
12	120J	360	361J	10K	103J	300K	304J	9.1M	915J
13	130J	390	391J	11K	113J	330K	334J	10M	106J
15	150J	430	431J	12K	123J	360K	364J	11M	116J
16	160J	470	471J	13K	133J	390K	394J	15M	156J
18	180J	510	511J	15K	153J	430K	434J	18M	186J
20	200J	560	561J	16K	163J	470K	474J	20M	206J
22	220J	620	621J	18K	183J	510K	514J	22M	226J

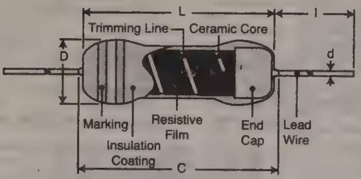
KOA SPEER 1% Metal Film Resistors - 1/4, 1/2 Watt

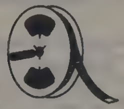
KOA SPEER ELECTRONICS, INC.

RoHS Compliant **This page of product is compliant.**

Features:

- Units meet or exceed the requirements of MIL-R-10509
- Suitable for automatic machine insertion
- Marking: Blue-gray body color with color-coded bands





ORDERING INFORMATION

Type	DIMENSIONS: in. (mm)				
	L	C (max.)	D	d (nom.)	l
MF1/4	.248 (6.3)	.280 (7.1)	.091±.012 (2.3±0.3)	.024±.002 (0.6±0.05)	1.18±.118 (30.0±3.0)
MF1/2	.374 (9.5)	.437 (11.1)	.138±.016 3.5±0.4)		

ORDERING INFORMATION

In a continual effort to support their customer base on a global environment, KOA Corporation is adopting a new global part numbering system.

MF	1/4	D	C	T52	R	1002	F
Type	**Power Rating**	**T.C.R.**	**Termination Material**	**Taping and Forming**	**Packaging**	**Nominal Resistance**	**Tolerance**
MF	1/4: 0.25W 1/2: 0.5W	C±50 D:±100	C: SnCu	T52	R: Reel	3 significant figures + 1 multiplier "R" indicates decimal on value<10Ω.	F:±1.0%

RoHS Compliant

KOA Series	Watt	Toler.	TCR	Value Range	BULK PACKAGING MOUSER STOCK NO.		Price Each				TAPE AND REEL MOUSER STOCK NO.		Reel Quantity	Price Each	Price Each		
						Value	1	100	500	1000		Value			10,000	25,000	50,000
MF1/4CC	1/4	1%	50	1-49.9	660-MF1/4CC	code	.17	.15	.12	.09	660-MF1/4CCT52R	code	5000	.08	.076	.067	.063
MF1/4CC	1/4	1%	50	51.1-2.21M	660-MF1/4CC	code	.12	.10	.08	.07	660-MF1/4CCT52R	code	5000	.051	.05	.046	.044
MF1/4DC	1/4	1%	100	10-2.21M	660-MF1/4DC	code	.03	.02	.02	.02	660-MF1/4DCT52R	code	5000	.014	.012	.011	.01
							Price Each								Price Each		
							1	100	500	1000					8,000	20,000	40,000
MF1/2CC	1/2	1%	50	1-49.9	660-MF1/2CC	code	.17	.15	.12	.09	660-MF1/2CCT52R	code	4000	.08	.071	.067	.063
MF1/2CC	1/2	1%	50	51.1-2.21M	660-MF1/2CC	code	.14	.12	.10	.08	660-MF1/2CCT52R	code	4000	.06	.058	.056	.053
MF1/2DC	1/2	1%	100	10-2.21M	660-MF1/2DC	code	.14	.12	.10	.08	660-MF1/2DCT52R	code	4000	.06	.058	.056	.053

Table of Stocked Values

Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
1	1R00F	475	4750F	2.21K	2211F	6.19K	6191F	16.9K	1692F	45.3K	4532F	150K	1503F
2	2R00F	499	4990F	2.32K	2321F	6.49K	6491F	17.4K	1742F	46.4K	4642F	158K	1583F
10	10R0F	511	5110F	2.37K	2371F	6.65K	6651F	17.8K	1782F	47K	4702F	162K	1623F
20	20R0F	562	5620F	2.43K	2431F	6.81K	6811F	18K	1802F	47.5K	4752F	169K	1693F
22.1	22R1F	604	6040F	2.49K	2491F	6.98K	6981F	18.2K	1822F	49.9K	4992F	178K	1783F
24.3	24R3F	619	6190F	2.67K	2671F	7.15K	7151F	18.7K	1872F	51.1K	5112F	182K	1823F
30.1	30R1F	665	6650F	2.74K	2741F	7.32K	7321F	19.1K	1912F	52.3K	5232F	200K	2003F
33.2	33R2F	680	6800F	2.8K	2801F	7.5K	7501F	19.6K	1962F	56.2K	5622F	205K	2053F
39.2	39R2F	681	6810F	2.87K	2871F	7.68K	7681F	20K	2002F	59K	5902F	210K	2103F
47	47R0F	698	6980F	2.94K	2941F	7.87K	7871F	20.5K	2052F	60.4K	6042F	221K	2213F
47.5	47R5F	732	7320F	3.01K	3011F	8.06K	8061F	21.5K	2152F	61.9K	6192F	226K	2263F
49.9	49R9F	750	7500F	3.24K	3241F	8.25K	8251F	22.1K	2212F	63.4K	6342F	249K	2493F
51.1	51R1F	768	7680F	3.32K	3321F	8.45K	8451F	22.6K	2262F	66.5K	6652F	261K	2613F
61.9	61R9F	806	8060F	3.4K	3401F	8.66K	8661F	23.7K	2372F	68.1K	6812F	267K	2673F
68.1	68R1F	825	8250F	3.48K	3481F	9.09K	9091F	24.3K	2432F	69.8K	6982F	274K	2743F
75	75R0F	887	8870F	3.57K	3851F	9.31K	9311F	24.9K	2492F	71.5K	7152F	280K	2803F
82.5	82R5F	909	9090F	3.65K	3651F	9.53K	9531F	25.5K	2552F	75K	7502F	294K	2943F
100	1000F	953	9530F	3.74K	3741F	10K	1002F	26.1K	2612F	76.8K	7682F	301K	3013F
121	1210F	976	9760F	3.83K	3831F	10.2K	1022F	26.7K	2672F	80.6K	8062F	332K	3323F
130	1300F	1K	1001F	3.92K	3921F	10.5K	1052F	27.4K	2742F	82.5K	8252F	392K	3923F
150	1500F	1.1K	1101F	4.02K	4021F	10.7K	1072F	28K	2802F	84.5K	8452F	464K	4643F
182	1820F	1.21K	1211F	4.22K	4221F	11K	1102F	28.7K	2872F	86.6K	8662F	470K	4703F
200	2000F	1.3K	1301F	4.42K	4421F	11.3K	1132F	30.1K	3012F	88.7K	8872F	475K	4753F
221	2210F	1.33K	1331F	4.53K	4531F	11.5K	1152F	30.9K	3092F	90.9K	9092F	499K	4993F
237	2370F	1.47K	1471F	4.64K	4641F	12K	1202F	31.6K	3162F	93.1K	9312F	511K	5113F
249	2490F	1.5K	1501F	4.7K	4701F	12.1K	1212F	32.4K	3242F	100K	1003F	562K	5623F
261	2610F	1.58K	1581F	4.75K	4751F	12.4K	1242F	33.2K	3322F	102K	1023F	681K	6813F
274	2740F	1.78K	1781F	4.87K	4871F	12.7K	1272F	34K	3402F	110K	1103F	1M	1004F
287	2870F	1.82K	1821F	4.99K	4991F	13K	1302F	35.7K	3572F	115K	1153F	1.5M	1504F
301	3010F	1.87K	1871F	5.1K	5101F	13.3K	1332F	36.5K	3652F	121K	1213F	1.82M	1824F
332	3320F	1.96K	1961F	5.11K	5111F	14K	1402F	37.4K	3742F	124K	1243F	2M	2004F
348	3480F	2K	2001F	5.36K	5361F	14.3K	1432F	38.3K	3832F	127K	1273F	2.21M	2214F
385	3850F	2.05K	2051F	5.49K	5491F	15K	1502F	39.2K	3922F	130K	1303F		
392	3920F	2.1K	2101F	5.62K	5621F	15.4K	1542F	40.2K	4022F	133K	1333F		
464	4640F	2.15K	2151F	5.76K	5761F	15.8K	1582F	42.2K	4222F	143K	1433F		
470	4700F	2.2K	2201F	5.9K	5901F	16.2K	1622F	43.2K	4322F	147K	1473F		

VISHAY CMF Metal Film Resistors

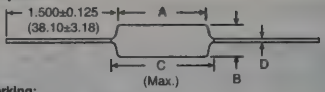
This page of product is compliant.

CMF55 & CMF60 METAL FILM RESISTORS

Features:

- Small size - conformal coated
- Flame retardant epoxy coating
- Controlled temperature coefficient
- Excellent high frequency characteristics
- Exceptionally low noise; typically 0.10 μV/V
- Low voltage coefficient to ± 5ppm/Volt
- Lead (Pb)-Free version is RoHS Compliant
- Other TCs available upon request

DIMENSIONS: in. (mm)				
Model	A	B	C (Max.)	D
CMF55	0.240±0.020 (6.10±0.51)	0.090±0.008 (2.29±0.20)	0.278 (7.06)	0.025±0.002 (0.64±0.05)
CMF60	0.344±0.031 (8.74±0.79)	0.145±0.015 (3.68±0.38)	0.425 (10.80)	0.025±0.002 (0.64±0.05)



Marking:
- Value
- Decade and Tolerance
- Date Code
(Alternate parts may be MIL marked)

LEAD-FREE

e3

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value Ω	Price Each			
			1	25	100	500
CMF55 = 1/4 Watt Rated to 1/2 Watt 50ppm 1%						
71-CMF5510R000FHEK	CMF5510R000FHEK	10	.13	.12	.11	.10
71-CMF5515R000FHEK	CMF5515R000FHEK	15	.13	.12	.11	.10
71-CMF5520R000FHEK	CMF5520R000FHEK	20	.13	.12	.11	.10
71-CMF5530R100FHEK	CMF5530R100FHEK	30.1	.13	.12	.11	.10
71-CMF5533R200FHEK	CMF5533R200FHEK	33.2	.13	.12	.11	.10
71-CMF5547R500FHEK	CMF5547R500FHEK	47.5	.13	.12	.11	.10
71-CMF5549R900FHEK	CMF5549R900FHEK	49.9	.13	.12	.11	.10
71-CMF5551R100FHEK	CMF5551R100FHEK	51.1	.13	.12	.11	.10
71-CMF5575R000FHEK	CMF5575R000FHEK	75	.13	.12	.11	.10
71-CMF55100R00FHEK	CMF55100R00FHEK	100	.13	.12	.11	.10
71-CMF55121R00FHEK	CMF55121R00FHEK	121	.13	.12	.11	.10
71-CMF55150R00FHEK	CMF55150R00FHEK	150	.13	.12	.11	.10
71-CMF55182R00FHEK	CMF55182R00FHEK	182	.13	.12	.11	.10
71-CMF55200R00FHEK	CMF55200R00FHEK	200	.13	.12	.11	.10
71-CMF55220R00FHEK	CMF55220R00FHEK	220	.13	.12	.11	.10
71-CMF55221R00FHEK	CMF55221R00FHEK	221	.13	.12	.11	.10
71-CMF55249R00FHEK	CMF55249R00FHEK	249	.13	.12	.11	.10
71-CMF55274R00FHEK	CMF55274R00FHEK	274	.13	.12	.11	.10
71-CMF55301R00FHEK	CMF55301R00FHEK	301	.13	.12	.11	.10
71-CMF55330R00FHEK	CMF55330R00FHEK	330	.13	.12	.11	.10
71-CMF55332R00FHEK	CMF55332R00FHEK	332	.13	.12	.11	.10
71-CMF55365R00FHEK	CMF55365R00FHEK	365	.13	.12	.11	.10
71-CMF55392R00FHEK	CMF55392R00FHEK	392	.13	.12	.11	.10
71-CMF55402R00FHEK	CMF55402R00FHEK	402	.13	.12	.11	.10
71-CMF55475R00FHEK	CMF55475R00FHEK	475	.13	.12	.11	.10
71-CMF55499R00FHEK	CMF55499R00FHEK	499	.13	.12	.11	.10
71-CMF55511R00FHEK	CMF55511R00FHEK	511	.13	.12	.11	.10
71-CMF55562R00FHEK	CMF55562R00FHEK	562	.13	.12	.11	.10
71-CMF55604R00FHEK	CMF55604R00FHEK	604	.13	.12	.11	.10
71-CMF55681R00FHEK	CMF55681R00FHEK	681	.13	.12	.11	.10
71-CMF55825R00FHEK	CMF55825R00FHEK	825	.13	.12	.11	.10
71-CMF55909R00FHEK	CMF55909R00FHEK	909	.13	.12	.11	.10
71-CMF551K0000FHEK	CMF551K0000FHEK	1K	.13	.12	.11	.10
71-CMF551K2100FHEK	CMF551K2100FHEK	1.21K	.13	.12	.11	.10
71-CMF551K3000FHEK	CMF551K3000FHEK	1.3K	.13	.12	.11	.10
71-CMF551K5000FHEK	CMF551K5000FHEK	1.5K	.13	.12	.11	.10
71-CMF551K6200FHEK	CMF551K6200FHEK	1.62K	.13	.12	.11	.10
71-CMF551K8200FHEK	CMF551K8200FHEK	1.82K	.13	.12	.11	.10
71-CMF552K0000FHEK	CMF552K0000FHEK	2K	.13	.12	.11	.10
71-CMF552K2000FHEK	CMF552K2000FHEK	2.2K	.13	.12	.11	.10
71-CMF552K2100FHEK	CMF552K2100FHEK	2.21K	.13	.12	.11	.10
71-CMF552K3700FHEK	CMF552K3700FHEK	2.37K	.13	.12	.11	.10
71-CMF552K4900FHEK	CMF552K4900FHEK	2.49K	.13	.12	.11	.10
71-CMF552K7400FHEK	CMF552K7400FHEK	2.74K	.13	.12	.11	.10
71-CMF553K0100FHEK	CMF553K0100FHEK	3.01K	.13	.12	.11	.10
71-CMF553K2400FHEK	CMF553K2400FHEK	3.24K	.13	.12	.11	.10
71-CMF553K3200FHEK	CMF553K3200FHEK	3.32K	.13	.12	.11	.10
71-CMF553K9200FHEK	CMF553K9200FHEK	3.92K	.13	.12	.11	.10
71-CMF554K0200FHEK	CMF554K0200FHEK	4.02K	.13	.12	.11	.10
71-CMF554K3200FHEK	CMF554K3200FHEK	4.32K	.13	.12	.11	.10
71-CMF554K7000FHEK	CMF554K7000FHEK	4.7K	.13	.12	.11	.10
71-CMF554K7500FHEK	CMF554K7500FHEK	4.75K	.13	.12	.11	.10
71-CMF554K9900FHEK	CMF554K9900FHEK	4.99K	.13	.12	.11	.10
71-CMF555K1100FHEK	CMF555K1100FHEK	5.11K	.13	.12	.11	.10
71-CMF556K0400FHEK	CMF556K0400FHEK	6.04K	.13	.12	.11	.10
71-CMF556K8100FHEK	CMF556K8100FHEK	6.81K	.13	.12	.11	.10
71-CMF557K5000FHEK	CMF557K5000FHEK	7.5K	.13	.12	.11	.10
71-CMF558K0600FHEK	CMF558K0600FHEK	8.06K	.13	.12	.11	.10
71-CMF558K2500FHEK	CMF558K2500FHEK	8.25K	.13	.12	.11	.10
71-CMF558K6600FHEK	CMF558K6600FHEK	8.66K	.13	.12	.11	.10
71-CMF5510K000FHEK	CMF5510K000FHEK	10K	.13	.12	.11	.10
71-CMF5510K500FHEK	CMF5510K500FHEK	10.5K	.13	.12	.11	.10
71-CMF5511K000FHEK	CMF5511K000FHEK	11K	.13	.12	.11	.10
71-CMF5512K100FHEK	CMF5512K100FHEK	12.1K	.13	.12	.11	.10
71-CMF5515K000FHEK	CMF5515K000FHEK	15K	.13	.12	.11	.10
71-CMF5517K400FHEK	CMF5517K400FHEK	17.4K	.13	.12	.11	.10
71-CMF5518K200FHEK	CMF5518K200FHEK	18.2K	.13	.12	.11	.10
71-CMF5520K000FHEK	CMF5520K000FHEK	20K	.13	.12	.11	.10
71-CMF5522K100FHEK	CMF5522K100FHEK	22.1K	.13	.12	.11	.10
71-CMF5524K900FHEK	CMF5524K900FHEK	24.9K	.13	.12	.11	.10
71-CMF5530K100FHEK	CMF5530K100FHEK	30.1K	.13	.12	.11	.10
71-CMF5533K200FHEK	CMF5533K200FHEK	33.2K	.13	.12	.11	.10
71-CMF5547K000FHEK	CMF5547K000FHEK	47K	.13	.12	.11	.10
71-CMF5540K200FHEK	CMF5540K200FHEK	40.2K	.13	.12	.11	.10
71-CMF5547K500FHEK	CMF5547K500FHEK	47.5K	.13	.12	.11	.10
71-CMF5549K900FHEK	CMF5549K900FHEK	49.9K	.13	.12	.11	.10
71-CMF5551K100FHEK	CMF5551K100FHEK	51.1K	.13	.12	.11	.10
71-CMF5590K900FHEK	CMF5590K900FHEK	90.9K	.13	.12	.11	.10
71-CMF55100K00FHEK	CMF55100K00FHEK	100K	.13	.12	.11	.10

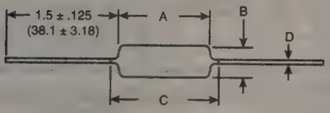
MOUSER STOCK NO.	Vishay Part Number	Value Ω	Price Each			
			1	25	100	500
CMF55 = 1/4 Watt Rated to 1/2 Watt 50ppm 1% (cont.)						
71-CMF55110K00FHEK	CMF55110K00FHEK	110K	.13	.12	.11	.10
71-CMF55121K00FHEK	CMF55121K00FHEK	121K	.13	.12	.11	.10
71-CMF55150K00FHEK	CMF55150K00FHEK	150K	.13	.12	.11	.10
71-CMF55200K00FHEK	CMF55200K00FHEK	200K	.13	.12	.11	.10
71-CMF55221K00FHEK	CMF55221K00FHEK	221K	.13	.12	.11	.10
71-CMF55249K00FHEK	CMF55249K00FHEK	249K	.13	.12	.11	.10
71-CMF55301K00FHEK	CMF55301K00FHEK	301K	.13	.12	.11	.10
71-CMF55475K00FHEK	CMF55475K00FHEK	475K	.13	.12	.11	.10
71-CMF55499K00FHEK	CMF55499K00FHEK	499K	.13	.12	.11	.10
71-CMF551M0000FHEK	CMF551M0000FHEK	1M	.24	.22	.21	.20
71-CMF5510M000FHEK	CMF5510M000FHEK	10M	1.79	1.66	1.60	1.54
CMF60 = 1/2 Watt Rated to 1 Watt 50ppm 1%						
71-CMF6010R000FHEK	CMF6010R000FHEK	10	.34	.31	.30	.29
71-CMF6020R000FHEK	CMF6020R000FHEK	20	.34	.31	.30	.29
71-CMF6022R100FHEK	CMF6022R100FHEK	22.1	.34	.31	.30	.29
71-CMF6024R900FHEK	CMF6024R900FHEK	24.9	.34	.31	.30	.29
71-CMF6030R100FHEK	CMF6030R100FHEK	30	.34	.31	.30	.29
71-CMF6033R200FHEK	CMF6033R200FHEK	33.2	.34	.31	.30	.29
71-CMF6039R200FHEK	CMF6039R200FHEK	39.2	.34	.31	.30	.29
71-CMF6047R500FHEK	CMF6047R500FHEK	47.5	.34	.31	.30	.29
71-CMF6049R900FHEK	CMF6049R900FHEK	49.9	.34	.31	.30	.29
71-CMF6056R200FHEK	CMF6056R200FHEK	56.2	.34	.31	.30	.29
71-CMF6075R000FHEK	CMF6075R000FHEK	75	.34	.31	.30	.29
71-CMF60100R00FHEK	CMF60100R00FHEK	100	.34	.31	.30	.29
71-CMF60121R00FHEK	CMF60121R00FHEK	121	.34	.31	.30	.29
71-CMF60150R00FHEK	CMF60150R00FHEK	150	.34	.31	.30	.29
71-CMF60182R00FHEK	CMF60182R00FHEK	182	.34	.31	.30	.29
71-CMF60200R00FHEK	CMF60200R00FHEK	200	.34	.31	.30	.29
71-CMF60221R00FHEK	CMF60221R00FHEK	221	.34	.31	.30	.29
71-CMF60301R00FHEK	CMF60301R00FHEK	301	.34	.31	.30	.29
71-CMF60332R00FHEK	CMF60332R00FHEK	332	.34	.31	.30	.29
71-CMF60392R00FHEK	CMF60392R00FHEK	392	.34	.31	.30	.29
71-CMF60402R00FHEK	CMF60402R00FHEK	402	.34	.31	.30	.29
71-CMF60475R00FHEK	CMF60475R00FHEK	475	.34	.31	.30	.29
71-CMF60499R00FHEK	CMF60499R00FHEK	499	.34	.31	.30	.29
71-CMF60511R00FHEK	CMF60511R00FHEK	511	.34	.31	.30	.29
71-CMF60562R00FHEK	CMF60562R00FHEK	562	.34	.31	.30	.29
71-CMF60681R00FHEK	CMF60681R00FHEK	681	.34	.31	.30	.29
71-CMF60750R00FHEK	CMF60750R00FHEK	750	.34	.31	.30	.29
71-CMF60825R00FHEK	CMF60825R00FHEK	825	.34	.31	.30	.29
71-CMF601K0000FHEK	CMF601K0000FHEK	1K	.34	.31	.30	.29
71-CMF601K1000FHEK	CMF601K1000FHEK	1.1K	.34	.31	.30	.29
71-CMF601K2100FHEK	CMF601K2100FHEK	1.21K	.34	.31	.30	.29
71-CMF601K5000FHEK	CMF601K5000FHEK	1.5K	.34	.31	.30	.29
71-CMF601K8200FHEK	CMF601K8200FHEK	1.82K	.34	.31	.30	.29
71-CMF602K0000FHEK	CMF602K0000FHEK	2K	.34	.31	.30	.29
71-CMF602K2100FHEK	CMF602K2100FHEK	2.21K	.34	.31	.30	.29
71-CMF603K0100FHEK	CMF603K0100FHEK	3.01K	.34	.31	.30	.29
71-CMF603K3200FHEK	CMF603K3200FHEK	3.32K	.34	.31	.30	.29
71-CMF603K9200FHEK	CMF603K9200FHEK	3.92K	.34	.31	.30	.29
71-CMF604K0200FHEK	CMF604K0200FHEK	4.02K	.34	.31	.30	.29
71-CMF604K7500FHEK	CMF604K7500FHEK	4.75K	.34	.31	.30	.29
71-CMF605K1100FHEK	CMF605K1100FHEK	5.11K	.34	.31	.30	.29
71-CMF605K6200FHEK	CMF605K6200FHEK	5.62K	.34	.31	.30	.29
71-CMF606K8100FHEK	CMF606K8100FHEK	6.81K	.34	.31	.30	.29
71-CMF607K5000FHEK	CMF607K5000FHEK	7.5K	.34	.31	.30	.29
71-CMF608K0600FHEK	CMF608K0600FHEK	8.06K	.34	.31	.30	.29
71-CMF608K2500FHEK	CMF608K2500FHEK	8.25K	.34	.31	.30	.29
71-CMF609K0900FHEK	CMF609K0900FHEK	9.09K	.34	.31	.30	.29
71-CMF6010K000FHEK	CMF6010K000FHEK	10K	.34	.31	.30	.29
71-CMF6012K100FHEK	CMF6012K100FHEK	12.1K	.34	.31	.30	.29
71-CMF6015K000FHEK	CMF6015K000FHEK	15K	.34	.31	.30	.29
71-CMF6020K000FHEK	CMF6020K000FHEK	20K	.34	.31	.30	.29
71-CMF6022K100FHEK	CMF6022K100FHEK	22.1K	.34	.31	.30	.29
71-CMF6030K100FHEK	CMF6030K100FHEK	30.1K	.34	.31	.30	.29
71-CMF6033K200FHEK	CMF6033K200FHEK	33.2K	.34	.31	.30	.29
71-CMF6047K500FHEK	CMF6047K500FHEK	47.5K	.34	.31	.30	.29
71-CMF6049K900FHEK	CMF6049K900FHEK	49.9K	.34	.31	.30	.29
71-CMF6051K100FHEK	CMF6051K100FHEK	51.1K	.34	.31	.30	.29
71-CMF6056K200FHEK	CMF6056K200FHEK	56.2K	.34	.31	.30	.29
71-CMF6068K100FHEK	CMF6068K100FHEK	68.1K	.34	.31	.30	.29
71-CMF60100K00FHEK	CMF60100K00FHEK	100K	.34	.31	.30	.29
71-CMF60150K00FHEK	CMF60150K00FHEK	150K	.34	.31	.30	.29
71-CMF60200K00FHEK	CMF60200K00FHEK	200K	.34	.31	.30	.29
71-CMF60221K00FHEK	CMF60221K00FHEK	221K	.34	.31	.30	.29
71-CMF60470K00FHEK	CMF60470K00FHEK	470K	.34	.31	.30	.29
71-CMF60475K00FHEK	CMF60475K00FHEK	475K	.34	.31	.30	.29
71-CMF60511K00FHEK	CMF60511K00FHEK	511K	.34	.31	.30	.29
71-CMF601M0000FHEK	CMF601M0000FHEK	1M	.34	.31	.30	.29

VISHAY / DALE .1% Metal Film Resistors, Precision, Ultra-high Stability

TYPE PTF SERIES

Features:
- Extremely low temperature coefficient of resistance
- Very low noise and voltage coefficient
- Very good high frequency characteristics
- Can replace wirewound bobbins
- Proprietary epoxy coating provides superior moisture protection

DIMENSIONS: in. (mm)



Model	A	B	C	D
PTF56	0.250±0.031 (3.81±0.51)	0.091±0.009 (2.31±0.23)	0.300 (7.62)	0.025 (0.64)
PTF65	0.375±0.062 (9.53±1.57)	0.145±0.016 (3.68±0.41)	0.475 (12.07)	0.025 (0.64)

For quantities of 200 and up, call for quote.

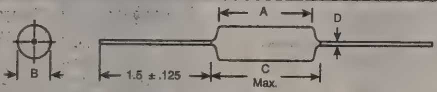
MOUSER STOCK NO.	Vishay Part No.	Value	TCR (ppm/°C)	Tol. ± %	Price Each			
					1	25	50	100
PTF56, 1/8 Watt @ 85°C - Limiting Element Voltage Max. 300								
71-PTF5649R900BYBF	PTF5649R900BYBF	49.9	10	0.10	**1.77**	**1.51**	**1.30**	**1.14**
71-PTF5650R000BYBF	PTF5650R000BYBF	50	10	0.10	**1.77**	**1.51**	**1.30**	**1.14**
71-PTF56100R00BXBF	PTF56100R00BXBF	100	15	0.10	**1.67**	**1.42**	**1.23**	**1.08**
71-PTF56100R00BYBF	PTF56100R00BYBF	100	10	0.10	**1.77**	**1.51**	**1.30**	**1.14**
71-PTF56200R00AYBF	PTF56200R00AYBF	200	10	0.05	**2.38**	**2.03**	**1.75**	**1.54**
71-PTF56200R00BYBF	PTF56200R00BYBF	200	10	0.10	**1.77**	**1.51**	**1.30**	**1.14**
71-PTF56250R00BYBF	PTF56250R00BYBF	250	10	0.10	**1.77**	**1.51**	**1.30**	**1.14**
71-PTF56500R00BYBF	PTF56500R00BYBF	500	10	0.10	**1.77**	**1.51**	**1.30**	**1.14**
71-PTF561K0000BYBF	PTF561K0000BYBF	1K	10	0.10	**1.77**	**1.51**	**1.30**	**1.14**
71-PTF561K0000BZBF	PTF561K0000BZBF	1K	5	0.10	**2.21**	**1.89**	**1.63**	**1.43**
71-PTF562K0000BYBF	PTF562K0000BYBF	2K	10	0.10	**.99**	**.84**	**.73**	**.64**
71-PTF563K0000BYBF	PTF563K0000BYBF	3K	10	0.10	**.99**	**.84**	**.73**	**.64**
71-PTF563K8800BZBF	PTF563K8800BZBF	3.88K	5	0.10	**2.01**	**1.71**	**1.48**	**1.30**
71-PTF564K9900BYBF	PTF564K9900BYBF	4.99K	10	0.10	**.81**	**.63**	**.57**	**.52**

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value	TCR (ppm/°C)	Tol. ± %	Price Each			
					1	25	50	100
PTF56, 1/8 Watt @ 85°C - Limiting Element Voltage Max. 300 (cont.)								
71-PTF565K0000BYBF	PTF565K0000BYBF	5K	10	0.10	**.99**	**.84**	**.73**	**.64**
71-PTF565K0000BZBF	PTF565K0000BZBF	5K	5	0.10	**1.56**	**1.33**	**1.15**	**1.01**
71-PTF567K5000BYBF	PTF567K5000BYBF	7.5K	10	0.10	**.99**	**.84**	**.73**	**.64**
71-PTF5610K000BXBF	PTF5610K000BXBF	10K	15	0.10	**.95**	**.81**	**.70**	**.62**
71-PTF5610K000BYBF	PTF5610K000BYBF	10K	10	0.10	**.82**	**.70**	**.60**	**.53**
71-PTF5610K000BZBF	PTF5610K000BZBF	10K	5	0.10	**1.19**	**1.02**	**.88**	**.77**
71-PTF5611K000BYBF	PTF5611K000BYBF	11K	10	0.10	**1.26**	**1.07**	**.93**	**.81**
71-PTF5615K000BYBF	PTF5615K000BYBF	15K	10	0.10	**1.26**	**1.07**	**.93**	**.81**
71-PTF5620K000BYBF	PTF5620K000BYBF	20K	10	0.10	**.81**	**.63**	**.57**	**.52**
71-PTF5620K000BZBF	PTF5620K000BZBF	20K	5	0.10	**1.56**	**1.33**	**1.15**	**1.01**
71-PTF5624K900BYBF	PTF5624K900BYBF	24.9K	10	0.10	**1.26**	**1.07**	**.93**	**.81**
71-PTF5650K000BZBF	PTF5650K000BZBF	50K	5	0.10	**1.56**	**1.33**	**1.15**	**1.01**
71-PTF56100K00BYBF	PTF56100K00BYBF	100K	10	0.10	**.99**	**.84**	**.73**	**.64**
71-PTF56100K00BZBF	PTF56100K00BZBF	100K	5	0.10	**1.56**	**1.33**	**1.15**	**1.01**
71-PTF56200K00BZBF	PTF56200K00BZBF	200K	5	0.10	**2.72**	**2.32**	**2.00**	**1.76**
71-PTF56249K00BYBF	PTF56249K00BYBF	249K	10	0.10	**2.86**	**2.44**	**2.10**	**1.85**
71-PTF56249K00BZBF	PTF56249K00BZBF	249K	5	0.10	**3.64**	**3.10**	**2.68**	**2.35**
71-PTF56300K00BZBF	PTF56300K00BZBF	300K	5	0.10	**3.64**	**3.10**	**2.68**	**2.35**
71-PTF56499K00BZBF	PTF56499K00BZBF	499K	5	0.10	**3.64**	**3.10**	**2.68**	**2.35**
PTF65, 1/4 Watt @ 85°C - Limiting Element Voltage Max. 500								
71-PTF6550R000BYBF	PTF6550R000BYBF	50	10	0.10	**1.67**	**1.42**	**1.23**	**1.08**
71-PTF65100R00BYBF	PTF65100R00BYBF	100	10	0.10	**2.21**	**1.89**	**1.63**	**1.43**
71-PTF65120R00BYBF	PTF65120R00BYBF	120	10	0.10	**1.67**	**1.42**	**1.23**	**1.08**
71-PTF65250R00AYBF	PTF65250R00AYBF	250	10	0.05	**1.80**	**1.54**	**1.33**	**1.17**
71-PTF65400R00AZBF	PTF65400R00AZBF	400	5	0.05	**3.98**	**3.39**	**2.93**	**2.57**
71-PTF651K0000BYBF	PTF651K0000BYBF	1K	10	0.10	**2.21**	**1.89**	**1.63**	**1.43**
71-PTF6510K000BZBF	PTF6510K000BZBF	10K	5	0.10	**2.24**	**1.91**	**1.65**	**1.45**
71-PTF65100K00BYBF	PTF65100K00BYBF	100K	10	0.10	**1.67**	**1.42**	**1.23**	**1.08**
71-PTF651M0000BYBF	PTF651M0000BYBF	1M	10	0.10	**1.87**	**1.60**	**1.38**	**1.21**
71-PTF651M0000BXBF	PTF651M0000BXBF	1M	15	0.10	**1.66**	**1.55**	**1.38**	**1.28**

VISHAY / DALE 1% Metal Film Resistors - 1/8, 1/4 and 1/2 Watt

TYPE RN SERIES



Features:
- Very low noise
- Very low voltage coefficient
- Excellent high frequency characteristics
- Meets MIL-R-10509
- Flame retardant epoxy coating

DIMENSIONS: (IN)

Series	A	B	C	D
RN55D	.240±.020	.090±.008	.278	.025±.002
RN60D	.344±.031	.145±.015	.425	.025±.002
RN65D	.562±.031	.180±.015	.687	.025±.002

RN55D, 1/8W

MOUSER STOCK NO.	Range of Values (Ω)	Price Each				
		1	50	100	500	1000
71-RN55D-F-Value	4.99-499K	**.16**	**.11**	**.09**	**.075**	**Call**
71-RN55D-F-Value	511K-1.0M	**.18**	**.13**	**.10**	**.09**	

RN60D, 1/4W

MOUSER STOCK NO.	Range of Values (Ω)	1	50	100	500	1000
71-RN60D-F-Value	10-1.0M	**.21**	**.18**	**.16**	**.09**	**Call**

RN65D, 1/2W

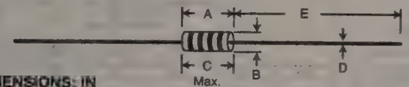
MOUSER STOCK NO.	Range of Values (Ω)	1	50	100	500	1000
71-RN65D-F-Value	10-1.0M	**.51**	**.40**	**.34**	**.30**	**Call**

TABLE OF STOCKED VALUES

4.99	49.9	249	806	2.49K	5.23K	10.7K	30.1K	64.9K	182K
10	51.1	261	825	2.61K	5.36K	11.3K	30.9K	66.5K	200K
12.1	56.2	274	909	2.74K	5.49K	12.1K	32.4K	68.1K	221K
15	61.9	301	1.0K	2.87K	5.62K	13K	33.2K	69.8K	226K
18.2	75	316	1.05K	2.94K	6.04K	13.3K	34.8K	71.5K	249K
20	80.6	332	1.1K	3.01K	6.19K	15K	38.3K	75K	267K
22.1	82.5	348	1.21K	3.09K	6.34K	17.4K	39.2K	78.7K	274K
24.9	90.9	392	1.24K	3.16K	6.81K	17.8K	41.2K	80.6K	301K
27.4	100	402	1.27K	3.24K	6.98K	18.2K	42.2K	82.5K	348K
30.1	121	422	1.4K	3.32K	7.5K	19.6K	43.2K	84.5K	432K
33.2	133	432	1.5K	3.48K	7.68K	20K	46.4K	90.9K	475K
34.8	150	475	1.54K	3.65K	7.87K	22.1K	47.5K	97.6K	499K
37.4	162	499	1.69K	3.92K	8.06K	22.6K	49.9K	100K	511K
39.2	182	511	1.82K	4.02K	8.25K	23.2K	51.1K	105K	562K
40.2	200	523	2.0K	4.32K	8.87K	24.9K	52.3K	110K	619K
43.2	215	562	2.15K	4.64K	9.09K	25.5K	54.9K	121K	750K
45.3	221	681	2.21K	4.75K	9.31K	26.7K	56.2K	124K	806K
46.4	232	732	2.32K	4.99K	10K	27.4K	57.6K	150K	910K
47.5	243	750	2.37K	5.11K	10.5K	28.7K	61.9K	158K	1.0M

VISHAY / DALE Metal Film Resistors - 1/4, 1/2, 3/4, and 1 Watt ±1% Tolerance

TYPE CCF55, CCF60 SERIES



DIMENSIONS: IN

Model	A	B	C	D	E
CCF-55	.240±.020	.090±.008	.265	.025±.002	1.100±.040
CCF-60	.344±.031	.139±.009	.400	.025±.002	1.000±.040

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each				
		1	500	1000	2500	5000
71-CCF55-Value	10-2.49M	**.06**	**.039**	**.025**	**.019**	**.011**
71-CCF60-Value	10-1M	**.14**	**.08**	**.062**	**.039**	**.034**

Features:
- ±100PPM/°C temperature coefficient
- Superior electrical performance
- Flame retardant epoxy conformal coating
- Standard 5 band color code marking for ease of identification after mounting
- Tape and reel packaging

Specifications:
- Power Rating: CCF55=1/4 & 1/2 watt
  CCF60=1/2, 3/4, & 1 watt
- Insulation Resistance: 10,000 MΩ
- Operating Temperature: -65° to +165°C

TABLE OF STOCKED VALUES

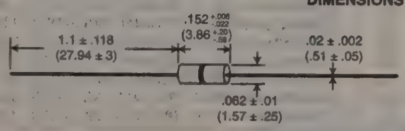
10	75	340	866	2.49K	7.15K	18.2K	71.5K	267K
15	82.5	392	1K	2.74K	7.5K	20K	75K	274K
16.2	100	402	1.07K	2.8K	7.68K	22.1K	82.5K	301K
20	105	422	1.1K	3.16K	8.25K	27.4K	90.9K	332K
22.1	120	432	1.21K	3.32K	8.45K	30.1K	100K	392K
24.9	121	475	1.3K	4.32K	8.87K	33.2K	110K	475K
27.4	150	499	1.33K	4.53K	10K	39.2K	121K	499K
30.1	200	510	1.5K	4.75K	10.2K	40.2K	133K	1M
39.2	220	562	1.62K	4.99K	11K	47.5K	137K	1.5M
47.5	221	604	1.82K	5.11K	12.1K	49.9K	150K	2M
49.9	243	619	2K	5.62K	13K	51.1K	162K	2.21M
51.1	249	681	2.15K	6.04K	14K	56.2K	200K	2.49M
60.4	301	750	2.21K	6.19K	15K	68.1K	221K	
73.2	332	825	2.43K	6.81K	16.2K	68.1K	249K	

MODEL FRJ-50 ZERO OHM JUMPER RESISTOR

Features:
- Provides low resistance circuit interconnections
- Flame retardant coating
- Compatible with automatic insertion equipment

Specifications:
- Resistance: 0.01Ω max.
- Insulation Resistance: Dry 10,000MΩ; Wet 100MΩ
- Lead Material: Tin-plated copper (max. 98% tin)

DIMENSIONS: IN (mm)



For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Price Each			
		1	1000	2500	5000
71-FRJ-50-0	FRJ50R36	.06	.028	.02	.014

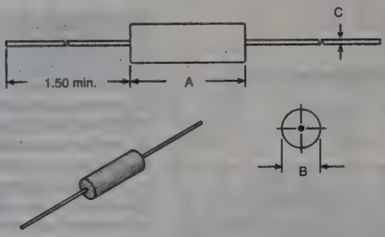
VISHAY / DALE 1% Wirewound Resistors - 1, 3 and 5 Watt

VISHAY

TYPE LVR LOW VALUE

Specifications:

- Resistance tolerance: ±1%
- Temperature coefficient: -55°C to +125°C, referenced to +25°C
- Short time overload: 5 sec. @ 5 times rated power
- Meets MIL-R-49465, Type RLV



∗ Available in LVR5 only.

TABLE OF STOCKED VALUES

0.005	0.03	0.1
0.01	0.04	0.15
0.015	0.05	0.2
0.02	0.07	0.25
0.025	0.08	∗0.3

DIMENSIONS: in.

Series	A ±.010	B ±.010	C ±.002
LVR-1	.427	.115	.02
LVR-3	.560	.205	.032
LVR-5	.925	.330	.040

LVR1, 1 Watt - 1%

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-LVR1-Value	0.01-0.1	1.20	1.12	1.01	.92

LVR3, 3 Watts - 1%

For quantities of 100 and up, call for quote.

71-LVR3-Value	0.005	1.37	1.27	1.14	1.05
71-LVR3-Value	0.01 - 0.08	1.20	1.12	1.01	.92
71-LVR3-Value	0.1 - 0.2	.97	.90	.81	.74

LVR5, 5 Watts - 1%

For quantities of 100 and up, call for quote.

71-LVR5-Value	0.005	1.68	1.56	1.40	1.29
71-LVR5-Value	0.01 - 0.08	1.34	1.24	1.12	1.03
71-LVR5-Value	0.1 - 0.3	1.19	1.11	1.00	.91

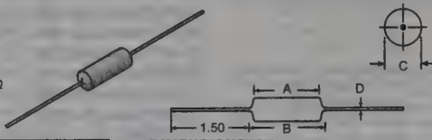
TYPE RS SILICONE COATED

Features:

- Complete welded construction
- High temperature silicone coating
- Meets applicable requirements of MIL-R-26

Specifications:

- Resistance tolerance: ±1%
- Dielectric strength: 1000VAC
- Insulation resistance: 1000MΩ



∗ Available in RS5 only.

TABLE OF STOCKED VALUES

0.1	1.0	15	50	150	350	700	2.0K	4.5K	8.2K	20K
0.13	1.2	18	56	180	390	800	2.2K	4.7K	9.0K	22K
0.15	1.5	20	68	200	400	820	2.5K	5.0K	10K	22.5K
0.2	2.0	22	75	220	450	900	2.7K	5.6K	11K	∗25K
0.25	3.0	25	82	225	470	1.0K	3.0K	6.0K	12K	∗40K
0.3	4.0	27	100	250	500	1.2K	3.3K	6.8K	12.5K	∗50K
0.33	5.0	30	110	270	560	1.25K	3.5K	7.0K	15K	∗68K
0.5	7.5	33	120	300	600	1.5K	3.9K	7.5K	16K	∗75K
0.75	10	47	125	330	620	1.8K	4.0K	8.0K	18K	

DIMENSIONS: in.

Series	A	B	C	D
RS1A	.406	.439	.094	.02
RS2B	.560	.622	.187	.032
RS5	.875	1.00	.312	.040

Cross Reference Chart

Dale	Clarostat
RS2B	SC3D
RS5	SC5E

RS1A, 1 Watt - 1%

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
71-RS1A-Value	0.1 - 0.75	.94	.90	.84	.77
71-RS1A-Value	1.0 - 1.0K	.83	.78	.73	.68
71-RS1A-Value	1.2K - 2.7K	1.15	1.06	.92	.89

RS2B, 3 Watts - 1%

For quantities of 100 and up, call for quote.

71-RS2B-Value	0.1 - 0.75	1.45	1.36	1.28	1.19
71-RS2B-Value	1.0 - 1.0K	.50	.493	.484	.43
71-RS2B-Value	1.2K - 10K	1.04	.92	.78	.69
71-RS2B-Value	11K - 22.5K	1.95	1.79	1.56	1.51

RS5, 5 Watts - 1%

For quantities of 100 and up, call for quote.

71-RS5-Value	0.1 - 0.75	1.43	1.40	1.34	1.16
71-RS5-Value	1.0 - 1.0K	1.43	1.32	1.19	1.11
71-RS5-Value	1.2K - 10K	1.15	1.06	.92	.89
71-RS5-Value	11K - 25K	1.63	1.48	1.33	1.21
71-RS5-Value	40K - 50K	2.72	2.40	2.04	1.80
71-RS5-Value	68K - 75K	3.42	3.01	2.56	2.25

VISHAY / DALE 5%, 10% Wirewound Resistors - 3 and 5 Watt

VISHAY

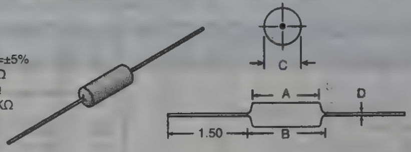
TYPE CW SILICONE COATED

Features:

- Silicone coating
- High temperature
- Complete welded construction
- Excellent stability in operation
- High power/size ratio

Specifications:

- Resistance tolerance: <1Ω=±10%, ≥1Ω=±5%
- Temp. coefficient: ±90PPM/°C below 1Ω
  ±50PPM/°C 1Ω-7.5Ω
  ±30PPM/°C 10Ω-25KΩ
- Dielectric strength: 1000VAC min.



∗ Available in CW5 only.

TABLE OF STOCKED VALUES

0.1	0.75	12	39	150	400	1.1K	3.5K	8.0K	∗20K
0.13	1.0	15	47	180	450	1.2K	3.9K	8.2K	∗22K
0.15	1.5	18	50	200	470	1.5K	4.0K	9.0K	∗25K
0.2	2.0	20	56	220	500	1.8K	4.5K	10K	
∗0.22	2.7	22	68	225	560	2.0K	4.7K	11K	
0.25	3.0	25	∗75	250	600	2.2K	5.0K	12K	
0.27	4.0	27	82	270	680	2.5K	5.6K	12.5K	
0.3	5.0	30	100	300	750	2.7K	6.0K	15K	
0.33	7.5	33	120	330	900	3.0K	6.8K	∗16K	
0.5	10	35	125	390	1.0K	3.3K	7.5K	∗18K	

Cross Reference Chart † Vitreous Coated

Dale	Clarostat
CW2B	†VC3D
CW5	†VC5E

DIMENSIONS: in.

Series	A	B	C	D
CW2B	.562	.622	.188	.032
CW5	.872	1.00	.312	.040

CW2B, 3 Watts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Tol.	Price Each			
			1	10	25	50
71-CW2B-Value	0.1 - 0.75	10%	.44	.40	.37	.34
71-CW2B-J-Value	0.1 - 0.75	5%	.81	.71	.61	.54
71-CW2B-Value	1.0 - 1.0K	5%	.44	.40	.37	.36
71-CW2B-Value	1.1K - 3.0K	5%	.78	.71	.64	.58
71-CW2B-Value	3.3K - 10K	5%	.76	.67	.57	.50
71-CW2B-Value	12K - 15K	5%	.77	.68	.62	.51

CW5, 5 Watts

For quantities of 100 and up, call for quote.

71-CW5-Value	0.1 - 0.75	10%	.56	.50	.46	.43
71-CW5-J-Value	0.1 - 0.75	5%	.96	.87	.78	.62
71-CW5-Value	1.0 - 1.0K	5%	.46	.42	.38	.35
71-CW5-Value	1.1K - 10K	5%	.72	.66	.57	.55
71-CW5-Value	11K - 20K	5%	.70	.64	.58	.54
71-CW5-Value	22K - 25K	5%	.70	.64	.60	.58

VISHAY / SFERNICE 5% Enamel Wirewound Power Resistors - 3 Watt

VISHAY

RWM SERIES

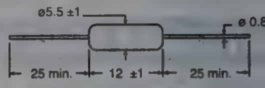
Features:

- High Dissipation
- Conformal Vitreous Enamel
- All Welded Construction
- Reliable in AC or DC applications
- High Reliability Level
- Fire Proof
- Low ohmic values

Specifications:

- Operating Temperature: -55° C to +200° C
- Temperature Coefficient: +75ppm/ °C typical
- Dielectric Withstanding Voltage: 500VRMS - one minute - 10mA
- Tolerance: 5% Standard
- Power Rating: 3 Watts

DIMENSIONS: mm



For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value	Price Each				
			1	100	500	1000	5000
72-RWM410-R1-5	RWM410-R1-5-TR	0.1	.42	.39	.33	.30	.26
72-RWM410-R12-5	RWM410-R12-5-TR	0.12	.46	.42	.36	.33	.29
72-RWM410-R15-5	RWM410-R15-5-TR	0.15	.46	.42	.36	.33	.29
72-RWM410-R22-5	RWM410-R22-5-TR	0.22	.46	.42	.36	.33	.29
72-RWM410-R27-5	RWM410-R27-5-TR	0.27	.46	.42	.36	.33	.29
72-RWM410-R33-5	RWM410-R33-5-TR	0.33	.46	.42	.36	.33	.29
72-RWM410-R39-5	RWM410-R39-5-TR	0.39	.42	.39	.33	.30	.26
72-RWM410-R47-5	RWM410-R47-5-TR	0.47	.46	.42	.36	.33	.29
72-RWM410-1-5	RWM410-1-5-TR	1	.40	.36	.31	.28	.25
72-RWM410-1R5-5	RWM410-1R5-5-TR	1.5	.40	.36	.31	.28	.25
72-RWM410-2R2-5	RWM410-2R2-5-TR	2.2	.40	.36	.31	.28	.25
72-RWM410-3R3-5	RWM410-3R3-5-TR	3.3	.40	.36	.31	.28	.25
72-RWM410-4R7-5	RWM410-4R7-5-TR	4.7	.40	.36	.31	.28	.25
72-RWM410-6R2-5	RWM410-6R2-5-TR	6.2	.40	.36	.31	.28	.25
72-RWM410-8R2-5	RWM410-8R2-5-TR	8.2	.40	.36	.31	.28	.25
72-RWM410-10-5	RWM410-10-5-TR	10	.40	.36	.31	.28	.25
72-RWM410-15-5	RWM410-15-5-TR	15	.40	.36	.31	.28	.25
72-RWM410-22-5	RWM410-22-5-TR	22	.40	.36	.31	.28	.25
72-RWM410-27-5	RWM410-27-5-TR	27	.40	.36	.31	.28	.25
72-RWM410-39-5	RWM410-39-5-TR	39	.40	.36	.31	.28	.25
72-RWM410-47-5	RWM410-47-5-TR	47	.40	.36	.31	.28	.25
72-RWM410-56-5	RWM410-56-5-TR	56	.40	.36	.31	.28	.25

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value	Price Each				
			1	100	500	1000	5000
72-RWM410-68-5	RWM410-68-5-TR	68	.40	.36	.31	.28	.25
72-RWM410-100-5	RWM410-100-5-TR	100	.40	.36	.31	.28	.25
72-RWM410-150-5	RWM410-150-5-TR	150	.40	.36	.31	.28	.25
72-RWM410-180-5	RWM410-180-5-TR	180	.40	.36	.31	.28	.25
72-RWM410-220-5	RWM410-220-5-TR	220	.40	.36	.31	.28	.25
72-RWM410-270-5	RWM410-270-5-TR	270	.40	.36	.31	.28	.25
72-RWM410-330-5	RWM410-330-5-TR	330	.40	.36	.31	.28	.25
72-RWM410-390-5	RWM410-390-5-TR	390	.40	.36	.31	.28	.25
72-RWM410-470-5	RWM410-470-5-TR	470	.40	.36	.31	.28	.25
72-RWM410-560-5	RWM410-560-5-TR	560	.40	.36	.31	.28	.25
72-RWM410-680-5	RWM410-680-5-TR	680	.40	.36	.31	.28	.25
72-RWM410-1K-5	RWM410-1K-5-TR	1K	.40	.36	.31	.28	.25
72-RWM410-1K2-5	RWM410-1K2-5-TR	1.2K	.40	.36	.31	.28	.25
72-RWM410-1K5-5	RWM410-1K5-5-TR	1.5K	.40	.36	.31	.28	.25
72-RWM410-1K8-5	RWM410-1K8-5-TR	1.8K	.40	.36	.31	.28	.25
72-RWM410-2K2-5	RWM410-2K2-5-TR	2.2K	.40	.36	.31	.28	.25
72-RWM410-3K3-5	RWM410-3K3-5-TR	3.3K	.51	.47	.40	.36	.32
72-RWM410-3K9-5	RWM410-3K9-5-TR	3.9K	.57	.52	.45	.41	.36
72-RWM410-4K7-5	RWM410-4K7-5-TR	4.7K	.52	.47	.40	.37	.33
72-RWM410-5K6-5	RWM410-5K6-5-TR	5.6K	.57	.52	.45	.41	.36
72-RWM410-6K8-5	RWM410-6K8-5-TR	6.8K	.72	.66	.56	.51	.45
72-RWM410-10K-5	RWM410-10K-5-TR	10K	.72	.66	.56	.51	.45

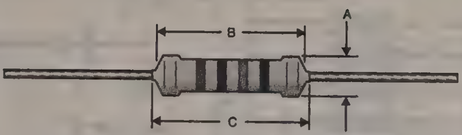
VISHAY BC COMPONENTS Power Resistors

PR01/PR02/PR03 SERIES POWER METAL FILM RESISTORS

Features:
- High power in small packages
- Defined interruption behavior
- Non flammable

Specifications:
- Resistance tolerance: ±5%
- Operating temperature: -55°C to +155°C
- Temperature coefficient: ±250ppm

Applications:
- Telecommunication
- Consumer
- White goods
- Industrial electronics
- Switch mode power supplies
- Line protection
- All general purpose power applications



For quantities of 50000 and up, call for quote.

Reel Qty.	Type	Power Rating	MOUSER STOCK NO.		Price Each						
				Value *	1	100	500	1000	5000	10000	25000
5000	PR01	1W	594-5073NW	Code	.16	.08	.07	.06	.05	.045	.035
5000	PR02	2W	594-5083NW	Code	.32	.18	.14	.12	.10	.09	.07
500	PR03	3W	594-5093NW	Code	.54	.30	.21	.20	.17	.14	.12

*Insert **Value Code** from Table of Stocked Values.

DIMENSIONS: mm			
Type	øA Max.	B Max.	C Max.
PR01	2.5	6.5	8.5
PR02	3.9	10.0	12.0
PR03	5.2	16.7	19.5

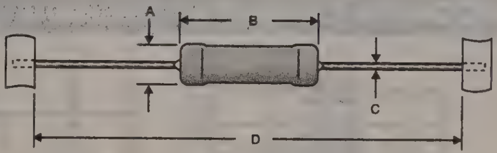
TABLE OF STOCKED VALUES

Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating		
		1W	2W	3W			1W	2W	3W			1W	2W	3W			1W	2W	3W			1W	2W	3W
1	1R000J	X	X		16	16R00J	X	X	X	270	270R0J	X	X	X	4.3K	4K300J	X	X	X	68K	68K00J	X	X	X
1.1	1R100J	X	X		18	18R00J	X	X	X	300	300R0J	X	X	X	4.7K	4K700J	X	X	X	75K	75K00J	X	X	X
1.2	1R200J	X	X		20	20R00J	X	X	X	330	330R0J	X	X	X	5.1K	5K100J	X	X	X	82K	82K00J	X	X	X
1.3	1R300J	X	X		22	22R00J	X	X	X	360	360R0J	X	X	X	5.6K	5K600J	X	X	X	91K	91K00J	X	X	X
1.5	1R500J	X	X		24	24R00J	X	X	X	390	390R0J	X	X	X	6.2K	6K200J	X	X	X	100K	100K0J	X	X	X
1.6	1R600J	X	X		27	27R00J	X	X	X	430	430R0J	X	X	X	6.8K	6K800J	X	X	X	110K	110K0J	X	X	X
1.8	1R800J	X	X		30	30R00J	X	X	X	470	470R0J	X	X	X	7.5K	7K500J	X	X	X	120K	120K0J	X	X	X
2	2R000J	X	X		33	33R00J	X	X	X	510	510R0J	X	X	X	8.2K	8K200J	X	X	X	130K	130K0J	X	X	X
2.2	2R200J	X	X		36	36R00J	X	X	X	560	560R0J	X	X	X	9.1K	9K100J	X	X	X	150K	150K0J	X	X	X
2.4	2R400J	X	X		39	39R00J	X	X	X	620	620R0J	X	X	X	10K	10K00J	X	X	X	160K	160K0J	X	X	X
2.7	2R700J	X	X		43	43R00J	X	X	X	680	680R0J	X	X	X	11K	11K00J	X	X	X	180K	180K0J	X	X	X
3	3R000J	X	X		47	47R00J	X	X	X	750	750R0J	X	X	X	12K	12K00J	X	X	X	200K	200K0J	X	X	X
3.3	3R300J	X	X		51	51R00J	X	X	X	820	820R0J	X	X	X	13K	13K00J	X	X	X	220K	220K0J	X	X	X
3.6	3R600J	X	X		56	56R00J	X	X	X	910	910R0J	X	X	X	15K	15K00J	X	X	X	240K	240K0J	X	X	X
3.9	3R900J	X	X		62	62R00J	X	X	X	1K	1K000J	X	X	X	16K	16K00J	X	X	X	270K	270K0J	X	X	X
4.3	4R300J	X	X		68	68R00J	X	X	X	1.1K	1K100J	X	X	X	18K	18K00J	X	X	X	300K	300K0J	X	X	X
4.7	4R700J	X	X		75	75R00J	X	X	X	1.2K	1K200J	X	X	X	20K	20K00J	X	X	X	330K	330K0J	X	X	X
5.1	5R100J	X	X		82	82R00J	X	X	X	1.3K	1K300J	X	X	X	22K	22K00J	X	X	X	360K	360K0J	X	X	X
5.6	5R600J	X	X		91	91R00J	X	X	X	1.5K	1K500J	X	X	X	24K	24K00J	X	X	X	390K	390K0J	X	X	X
6.2	6R200J	X	X		100	100R0J	X	X	X	1.6K	1K600J	X	X	X	27K	27K00J	X	X	X	430K	430K0J	X	X	X
6.8	6R800J	X	X		110	110R0J	X	X	X	1.8K	1K800J	X	X	X	30K	30K00J	X	X	X	470K	470K0J	X	X	X
7.5	7R500J	X	X		120	120R0J	X	X	X	2K	2K000J	X	X	X	33K	33K00J	X	X	X	510K	510K0J	X	X	X
8.2	8R200J	X	X		130	130R0J	X	X	X	2.2K	2K200J	X	X	X	36K	36K00J	X	X	X	560K	560K0J	X	X	X
9.1	9R100J	X	X		150	150R0J	X	X	X	2.4K	2K400J	X	X	X	39K	39K00J	X	X	X	620K	620K0J	X	X	X
10	10R00J	X	X	X	160	160R0J	X	X	X	2.7K	2K700J	X	X	X	43K	43K00J	X	X	X	680K	680K0J	X	X	X
11	11R00J	X	X	X	180	180R0J	X	X	X	3K	3K000J	X	X	X	47K	47K00J	X	X	X	750K	750K0J	X	X	X
12	12R00J	X	X	X	200	200R0J	X	X	X	3.3K	3K300J	X	X	X	51K	51K00J	X	X	X	820K	820K0J	X	X	X
13	13R00J	X	X	X	220	220R0J	X	X	X	3.6K	3K600J	X	X	X	56K	56K00J	X	X	X	910K	910K0J	X	X	X
15	15R00J	X	X	X	240	240R0J	X	X	X	3.9K	3K900J	X	X	X	62K	62K00J	X	X	X	1M	1M000J	X	X	X

AC01/AC03/AC05 SERIES CEMENTED WIREWOUND RESISTORS

Features:
- All welded construction
- Ceramic core
- High power dissipation in small volume
- High pulse load handling capabilities
- Non-flammable cement coating
- Tinned copper-clad iron leads

Specifications:
- Resistance tolerance: ±5%



For quantities of 10000 and up, call for quote.

Reel Qty.	Type	MOUSER STOCK NO.		Range of Values (Ω)	Price Each						
			Value *		1	50	100	500	1000	2000	5000
1000	1W	594-AC01W	Code	0.1-0.75	1.56	1.08	.60	.29	.25	.23	.22
1000	1W	594-AC01W	Code	1.0-10	1.22	.84	.47	.23	.19	.18	.17
1000	1W	594-AC01W	Code	12-2.4K	1.34	.93	.52	.25	.21	.20	.19
500	3W	594-AC03W	Code	0.1-0.75	1.83	1.27	.71	.35	.29	.27	.26
500	3W	594-AC03W	Code	1.0-20	1.61	1.08	.65	.31	.26	.25	.24
500	3W	594-AC03W	Code	22-5K	1.99	1.38	.77	.37	.31	.30	.28
500	5W	594-AC05W	Code	0.1-0.75	1.98	1.37	.76	.37	.31	.30	.28
500	5W	594-AC05W	Code	1.0-39	1.68	1.16	.65	.32	.26	.25	.24
500	5W	594-AC05W	Code	43-1K	1.65	1.14	.64	.31	.26	.25	.23
500	5W	594-AC05W	Code	1.1K-10K	2.15	1.49	.83	.40	.34	.32	.31

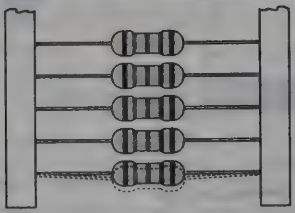
*Insert **Value Code** from Table of Stocked Values.

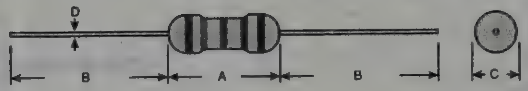
DIMENSIONS: in. (mm)				
Type	A Max.	B Max.	C	D Min.
AC01	4.3 (0.169)	11 (0.433)	0.8±0.03 (0.031±0.001)	63 (2.480)
AC03	4.8 (0.189)	13 (0.512)		63 (2.480)
AC05	7.5 (0.295)	17 (0.669)		63 (2.480)

TABLE OF STOCKED VALUES

Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating			Value (Ω)	Value Code *	Power Rating		
		1W	3W	5W			1W	3W	5W			1W	3W	5W			1W	3W	5W			1W	3W	5W
0.1	0R100J	x	x	x	7.5	7R500J	x	x	x	56	56R00J	x	x	x	430	430R0J	x	x	x	2.4K	2K400J	x	x	x
0.13	0R130J	x	x	x	10	10R00J	x	x	x	68	68R00J	x	x	x	470	470R0J	x	x	x	2.7K	2K700J		x	x
0.15	0R150J	x	x	x	12	12R00J	x	x	x	75	75R00J	x	x	x	500	500R0J	x	x	x	3K	3K000J		x	x
0.2	0R200J	x	x	x	15	15R00J	x	x	x	82	82R00J	x	x	x	560	560R0J	x	x	x	3.3K	3K300J		x	x
0.24	0R240J	x	x	x	18	18R00J	x	x	x	100	100R0J	x	x	x	620	620R0J	x	x	x	3.6K	3K600J			x
0.3	0R300J	x	x	x	20	20R00J	x	x	x	120	120R0J	x	x	x	680	680R0J	x	x	x	3.9K	3K900J		x	x
0.33	0R330J	x	x	x	22	22R00J	x	x	x	150	150R0J	x	x	x	750	750R0J	x	x	x	4.3K	4K300J		x	x
0.47	0R470J	x	x	x	24	24R00J	x	x	x	180	180R0J	x	x	x	820	820R0J	x	x	x	4.7K	4K700J		x	x
0.5	0R500J	x	x	x	27	27R00J	x	x	x	200	200R0J	x	x	x	910	910R0J	x	x	x	5K	5K000J		x	x
0.75	0R750J	x	x	x	30	30R00J	x	x	x	220	220R0J	x	x	x	1K	1K000J	x	x	x	5.6K	5K600J			x
1	1R000J	x	x	x	33	33R00J	x	x	x	240	240R0J	x	x	x	1.1K	1K100J	x	x	x	6.2K	6K200J			x
1.5	1R500J	x	x	x	36	36R00J	x	x	x	270	270R0J	x	x	x	1.2K	1K200J	x	x	x	6.8K	6K800J			x
2	2R000J	x	x	x	39	39R00J	x	x	x	300	300R0J	x	x	x	1.5K	1K500J	x	x	x	7.5K	7K500J			x
3	3R000J	x	x	x	43	43R00J	x	x	x	330	330R0J	x	x	x	1.8K	1K800J	x	x	x	8.2K	8K200J			x
3.9	3R900J	x	x	x	47	47R00J	x	x	x	360	360R0J	x	x	x	2K	2K000J	x	x	x	9.1K	9K100J			x
4.7	4R700J	x	x	x	50	50R00J	x	x	x	390	390R0J	x	x	x	2.2K	2K200J	x	x	x	10K	10K00J			x
5	5R000J	x	x	x																				

XICON 1% Metal Film Resistors - 1/8, 1/4 and 1/2 Watt





W.V. = $\sqrt{P * R}$
W.V. = Working Voltage DC
P = Power (rated in watts)
R = Resistance (rated in ohms)

Actual working voltage is the lower of either the value calculated from the above formula or the value listed in the chart.

- Temperature coefficient: ±50 ppm/°C
- Epoxy coated for environmental protection
- Low noise

RoHS Compliant

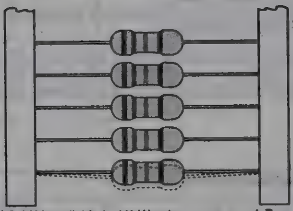
Xicon Series	Watt Size	Max. Working Voltage	Dimensions: mm			
			A	B	C	D
270	1/8	200	3.5	28.0	2.0	0.5
271	1/4	250	6.8	28.0	2.5	0.6
273	1/2	350	10.0	28.0	3.5	0.6

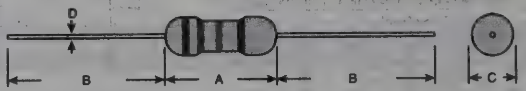
Xicon Series	Watt Size	BULK				AMMO PACK					TAPE AND REEL				
		MOUSER STOCK NO.	Price Per Piece			MOUSER STOCK NO.	Box Qty.	Price Per Piece			MOUSER STOCK NO.	Reel Qty.	Price Per Piece		
			10	200	1,000			1 Pack	5 Packs	10 Packs			1 Reel	2 Reels	10 Reels
270	1/8 W	270-VALUE-RC	.11	.05	.017	270-VALUE/AP-RC	2000	.017	.015	---	270-VALUE/REEL-RC	5000	.016	.015	.013
271	1/4 W	271-VALUE-RC	.09	.02	.012	271-VALUE/AP-RC	1000	.012	.011	.01	271-VALUE/REEL-RC	5000	.011	.009	.008
			Price Per Piece					Price Per Piece					Price Per Piece		
			10	100	1,000			1 Pack	5 Packs	10 Packs			1 Reel	3 Reels	16 Reels
273	1/2 W	273-VALUE-RC	.12	.06	.025	273-VALUE/AP-RC	1000	.025	.024	.022	273-VALUE/REEL-RC	3000	.025	.024	.02
		Minimum order of 10				Sold in full box quantities only					Sold in full reel quantities only				

TABLE OF STANDARD VALUES

10	18.7	33	56.2	100	187	332	562	1K	1.87K	3.32K	5.9K	10.5K	19.6K	34K	59K	107K	196K	348K	619K
10.2	19.1	33.2	57.6	102	191	340	565	1.02K	1.91K	3.4K	6.04K	10.7K	20K	34.8K	60.4K	110K	200K	357K	620K
10.5	19.6	34	59	105	196	348	576	1.05K	1.96K	3.48K	6.19K	11K	20.5K	35.7K	61.9K	113K	205K	360K	634K
10.7	20	34.8	60.4	107	200	350	590	1.07K	2K	3.57K	6.2K	11.3K	21K	36K	62K	115K	210K	365K	649K
11	20.5	35.7	61.9	110	205	357	604	1.1K	2.05K	3.6K	6.34K	11.5K	21.5K	36.5K	63.4K	118K	215K	374K	665K
11.3	21	36	62	113	210	360	619	1.13K	2.1K	3.65K	6.49K	11.8K	22K	37.4K	64.9K	120K	220K	383K	680K
11.5	21.5	36.5	63.4	115	215	365	620	1.15K	2.15K	3.74K	6.65K	12K	22.1K	38.3K	66.5K	121K	221K	390K	681K
11.8	22	37.4	64.9	118	220	374	634	1.18K	2.2K	3.83K	6.8K	12.1K	22.6K	39K	68K	124K	226K	392K	698K
12	22.1	38.3	66.5	120	221	383	649	1.2K	2.21K	3.9K	6.81K	12.4K	23.2K	39.2K	68.1K	127K	232K	402K	715K
12.1	22.6	39	68	121	226	390	665	1.21K	2.26K	3.92K	6.98K	12.7K	23.7K	40.2K	69.8K	130K	237K	412K	732K
12.4	23.2	39,2	68.1	124	232	392	680	1.24K	2.32K	4.02K	7.15K	13K	24K	41.2K	71.5K	133K	240K	422K	750K
12.7	23.7	40.2	69.8	127	237	402	681	1.27K	2.37K	4.12K	7.32K	13.3K	24.3K	42.2K	73.2K	137K	243K	430K	768K
13	24	41.2	71.5	130	240	412	698	1.3K	2.4K	4.22K	7.5K	13.7K	24.9K	43K	75K	140K	249K	432K	787K
13.3	24.3	42.2	73.2	133	243	422	715	1.33K	2.43K	4.32K	7.68K	14K	25.5K	43.2K	76.8K	143K	255K	442K	806K
13.7	24.7	43	75	137	249	430	732	1.37K	2.49K	4.42K	7.87K	14.3K	26.1K	44.2K	78.7K	147K	261K	453K	820K
14	24.9	43.2	75.5	140	255	432	750	1.4K	2.55K	4.53K	8.06K	14.7K	26.7K	45.3K	80.6K	150K	267K	464K	825K
14.3	25.5	44.2	76.8	143	261	442	768	1.43K	2.61K	4.64K	8.2K	15K	27K	46.4K	82K	154K	270K	470K	845K
14.7	26.1	45.3	78.7	147	267	453	787	1.47K	2.67K	4.7K	8.25K	15.4K	27.4K	47K	82.5K	158K	274K	475K	866K
15	26.7	46.4	80.6	150	270	464	806	1.5K	2.7K	4.75K	8.45K	15.8K	28K	47.5K	84.5K	160K	280K	487K	887K
15.4	27	47	82	154	274	470	820	1.54K	2.74K	4.87K	8.66K	16K	28.7K	48.7K	86.6K	162K	287K	499K	909K
15.8	27.4	47.5	82.5	158	280	475	825	1.58K	2.8K	4.99K	8.8K	16.2K	29.4K	49.9K	88.7K	165K	294K	511K	910K
16	28	48.7	84.5	160	287	487	845	1.6K	2.87K	5.1K	8.87K	16.5K	30K	51K	90.9K	169K	300K	523K	931K
16.2	28.7	49.9	86.6	162	294	499	866	1.62K	2.94K	5.11K	9.09K	16.9K	30.1K	51.1K	91K	174K	301K	536K	953K
16.5	29.4	51	88.7	165	300	510	887	1.65K	3.0K	5.23K	9.1K	17.4K	30.9K	52.3K	93.1K	178K	309K	549K	976K
16.9	30	51.1	90.9	169	301	511	909	1.69K	3.01K	5.36K	9.31K	17.8K	31.6K	53.6K	95.3K	180K	316K	560K	1.0M
17.4	30.1	52.3	91	174	309	523	910	1.74K	3.09K	5.49K	9.53K	18K	32.4K	54.9K	97.6K	182K	324K	562K	1.5M
17.8	30.9	53.6	93.1	178	316	536	931	1.78K	3.16K	5.6K	9.76K	18.2K	33K	56K	100K	187K	330K	576K	2.2M
18	31.6	54.9	95.3	180	324	549	953	1.8K	3.24K	5.62K	10K	18.7K	33.2K	56.2K	102K	191K	332K	590K	
18.2	32.4	56	97.6	182	330	560	976	1.82K	3.3K	5.76K	10.2K	19.1K	33.6K	57.6K	105K	192K	340K	604K	

XICON 5% Carbon Film Resistors - 1/8, 1/4, 1/2W and 1 Watt





W.V. = $\sqrt{P * R}$
W.V. = Working Voltage DC
P = Power (rated in watts)
R = Resistance (rated in ohms)

Actual working voltage is the lower of either the value calculated from the above formula or the value listed in the chart.

- Low cost
- Use instead of carbon composition in low pulse applications
- Epoxy coated for environmental protection

RoHS Compliant

Xicon Series	Watt Size	Max. Working Voltage	Dimensions: mm			
			A	B	C	D
299	1/8	200	4.2	28.0	2.0	0.5
291	1/4	250	6.8	28.0	2.5	0.6
293	1/2	350	10.0	28.0	3.5	0.6
294	1	500	12.0	28.0	5.0	0.8

* 15M & 22M available in 1/4 W only

† Zero (0) available in 1/8W and 1/4W only

Xicon Series	Watt Size	BULK				AMMO PACK					TAPE AND REEL				
		MOUSER STOCK NO.	Price Per Piece			MOUSER STOCK NO.	Box Qty.	Price Per Piece			MOUSER STOCK NO.	Reel Qty.	Price Per Piece		
			10	200	1,000			1 Pk	5 Pks	10Pks			1 Reel	2 Reels	10 Reels
299	1/8 W	299-VALUE-RC	.09	.05	.017	299-VALUE/AP-RC	2000	.09	.008	---	299-VALUE/REEL-RC	5000	.007	.006	.005
291	1/4 W	291-VALUE-RC	.10	.04	.014	291-VALUE/AP-RC	1000	.007	.006	.005	291-VALUE/REEL-RC	5000	.006	.005	.004
		291-VALUE(15M-22M)-RC*	.09	.044	.017	291-VALUE/AP(15M-22M)-RC	1000	.017	.012	.011	291-VALUE/REEL(15M-22M)-RC	5000	.012	.011	.008
			Price Per Piece					Price Per Piece					Price Per Piece		
			10	100	1,000			1 Pk	5 Pks	10 Pks			1 Reel	3 Reels	16 Reels
293	1/2 W	293-VALUE-RC	.09	.05	.016	293-VALUE/AP-RC	1000	.012	.011	.01	293-VALUE/REEL-RC	3000	.011	.01	.008
294	1 W	294-VALUE-RC	.14	.05	.036	--------------	---	---	---	---	---------------	---	---	---	---
		Minimum order of 10				Sold in full box quantities only					Sold in full reel quantities only				

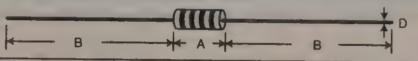
TABLE OF STANDARD VALUES

0†	2.4	6.8	20	56	160	470	1.3K	3.6K	10K	30K	82K	240K	680K	2M	5.6M
0.5	2.7	7.5	22	62	180	510	1.5K	3.9K	11K	33K	91K	270K	750K	2.2M	6.2M
1.0	3.0	8.2	24	68	200	560	1.6K	4.3K	12K	36K	100K	300K	820K	2.4M	6.8M
1.1	3.3	9.1	27	75	220	620	1.8K	4.7K	13K	39K	110K	330K	910K	2.7M	7.5M
1.2	3.6	10	30	82	240	680	2K	5.1K	15K	43K	120K	360K	1M	3M	8.2M
1.3	3.9	11	33	91	270	750	2.2K	5.6K	16K	47K	130K	390K	1.1M	3.3M	9.1M
1.5	4.3	12	36	100	300	820	2.4K	6.2K	18K	51K	150K	430K	1.2M	3.6M	10M
1.6	4.7	13	39	110	330	910	2.7K	6.8K	20K	56K	160K	470K	1.3M	3.9M	15M*
1.8	5.1	15	43	120	360	1K	3K	7.5K	22K	62K	180K	510K	1.5M	4.3M	22M*
2.0	5.6	16	47	130	390	1.1K	3.2K	8.2K	24K	68K	200K	560K	1.6M	4.7M	
2.2	6.2	18	51	150	430	1.2K	3.3K	9.1K	27K	75K	220K	620K	1.8M	5.1M	

XICON 5% Carbon Composition Resistors - 1/4 and 1/2 Watt

XICON™

Features:
- ±5% tolerance
- Predictable performance
- Low inductance and capacitance
- To order tape & reel add "/reel" to Mouser stock #



Watts (W)	MOUSER STOCK NO.	Values (Ω) See Table	Dimensions: mm				Bulk Price Each				Qty/Reel	Tape & Reel Price Each		
			A	B	C	D +.02 -.005	1	100	1000	5000		5,000	10,000	50,000
1/4	30BJ250-Value	2.2 - 910K	6.4	27	2.5	0.6	.22	.08	.071	.063	5000	.063	.062	.06
1/4	30BJ250-Value	1.0M - 8.2M	6.4	27	2.5	0.6	.30	.18	.145	.117	5000	.117	.095	.082
												Price Each		
												4,000	8,000	40,000
1/2	30BJ500-Value	2.2 - 910K	9.5	25	3.5	0.74	.22	.10	.088	.077	4000	.077	.076	.075
1/2	30BJ500-Value	1.0M - 8.2M	9.5	25	3.5	0.74	.32	.19	.17	.152	4000	.15	.13	.093

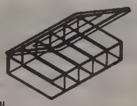
TABLE OF STANDARD VALUES

2.2	4.7	10	22	47	100	220	470	1K	2.2K	4.7K	10K	22K	47K	100K	220K	470K	1M	3.9M
2.4	5.1	11	24	51	110	240	510	1.1K	2.4K	5.1K	11K	24K	51K	110K	240K	510K	1.2M	4.7M
2.7	5.6	12	27	56	120	270	560	1.2K	2.7K	5.6K	12K	27K	56K	120K	270K	560K	1.5M	5.6M
3.0	6.2	13	30	62	130	300	620	1.3K	3K	6.2K	13K	30K	62K	130K	300K	620K	1.8M	6.8M
3.3	6.8	15	33	68	150	330	680	1.5K	3.3K	6.8K	15K	33K	68K	150K	330K	680K	2.2M	8.2M
3.6	7.5	16	36	75	160	360	750	1.6K	3.6K	7.5K	16K	36K	75K	160K	360K	750K	2.4M	
3.9	8.2	18	39	82	180	390	820	1.8K	3.9K	8.2K	18K	39K	82K	180K	390K	820K	2.7M	
4.3	9.1	20	43	91	200	430	910	2K	4.3K	9.1K	20K	43K	91K	200K	430K	910K	3.3M	

XICON Carbon Composition Resistor Kits - 1/4 Watt

XICON™

1/4 WATT CARBON COMPOSITION RESISTOR KITS



Kits 370-BJ250-1, 370-BJ250-2, 370-BJ250-3 have 240 pieces, 10 each of 24 different values packaged in plastic bags with one value per bag.

Kit 370-BJ250-C has 7200 pieces, 100 each of all values listed for kits-370-BJ250-1C, 370-BJ250-2C and 370-BJ250-3C.

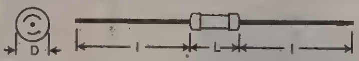
MOUSER STOCK NO.	Range of Values Per Kit (Ω)	Price Each
370-BJ250-1	2.2, 2.7, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 13, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1.0K	17.95
370-BJ250-2	1.1K, 1.5K, 1.8K, 2.0K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	17.95
370-BJ250-3	100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 240K, 270K, 300K, 330K, 360K, 390K, 430K, 470K, 510K, 560K, 620K, 680K, 750K, 820K, 910K	17.95
370-BJ250-C	100 each of all of the values listed for 370-BJ250-1C, 370-BJ250-2C, and 370-BJ250-3C. (7200 pieces)	368.14

XICON 5% Metal Oxide Power Resistors - 1, 2, 3 and 5 Watt

XICON™

Features:
- Smaller size
- Excellent flame retardant coating
- Stable performance in diverse environments

Specifications:
- Temperature coefficient: ±350ppm
- Resistance tolerance: ±5%
- Max working voltage: 1W, 2W, 3W: 350VAC, 5W: 500VAC
- To order tape & reel add "/reel" to Mouser stock #



RoHS Compliant

DIMENSIONS: mm

SMALL SIZE • Temp. range: -55°C to +155°C

MOUSER STOCK NO.	Rated Power (Watts)	Value Range (Ω)	Dimensions: mm			Price Per Piece			Qty/Reel	Price Per Piece		
			L	D	l (Min)	1	100	1000		2500	5000	10000
281-Value-RC	1	0.47-1.0M	10	4	28	.13	.09	.05	2500	.05	.045	.036
282-Value-RC	2	0.47-1.0M	12	5	28	.19	.10	.06	2500	.06	.056	.046
283-Value-RC	3	0.47-1.0M	16	5.5	28	.39	.25	.15	- - -	- - -	- - -	- - -
286-Value-RC	5	5.1-150K	25	8	28	.49	.33	.30	- - -	- - -	- - -	- - -

STANDARD SIZE • Temp. range: -55°C to +200°C

261-Value-RC	1	0.47-1.0M	12	4.5	27	.13	.09	.05	2500	.05	.045	.042
262-Value-RC	2	0.47-1.0M	16	5.5	27	.19	.10	.06	1000	.06	.056	.052

* Not stocked in 5 watt

TABLE OF STANDARD VALUES

*0.47	*0.91	*2.0	*4.3	9.1	20	43	91	200	430	910	2.0K	4.3K	9.1K	20K	43K	91K	*200K	*430K	*910K
*0.5	*1.0	*2.2	*4.7	10	22	47	100	220	470	1.0K	2.2K	4.7K	10K	22K	47K	100K	*220K	*470K	*1.0M
*0.51	*1.1	*2.4	5.1	11	24	51	110	240	510	1.1K	2.4K	5.1K	11K	24K	51K	110K	*240K	*510K	
*0.56	*1.2	*2.7	5.6	12	27	56	120	270	560	1.2K	2.7K	5.6K	12K	27K	56K	120K	*270K	*560K	
*0.62	*1.3	3.0	6.2	13	30	62	130	300	620	1.3K	3.0K	6.2K	13K	30K	62K	130K	*300K	*620K	
*0.68	*1.5	*3.3	6.8	15	33	68	150	330	680	1.5K	3.3K	6.8K	15K	33K	68K	150K	*330K	*680K	
*0.75	*1.6	*3.6	7.5	16	36	75	160	360	750	1.6K	3.6K	7.5K	16K	36K	75K	*160K	*360K	*750K	
*0.82	*1.8	*3.9	8.2	18	39	82	180	390	820	1.8K	3.9K	8.2K	18K	39K	82K	*180K	*390K	*820K	

XICON 5% Cement Power Resistors - 5, 7, 10, 15 and 25 Watt

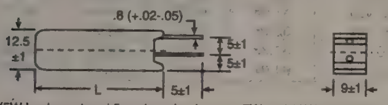
XICON™

VERTICAL MOUNT

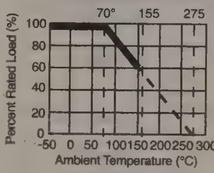
Features:
- Exceptionally small, sturdy, and reliable
- Sealed with a special cement
- Excellent moisture resistance
- High temperature stability
- Ceramic flame retardant package

Specifications:
- Tolerance: ±5%
- Temperature coefficient: ±350ppm/°C max; <20Ω ±400ppm/°C

DIMENSIONS: mm



(5W leads centered 5mm1mm lead space. 7W and 10W are offset)



RoHS Compliant

Table of Values in Ω for PRM Series					
0.1	0.68	6.8	20	100	1K
0.3	1.0	10	47	150	2K
0.47	3.0	15	75	680	10K

For quantities 1,000 and up, call for quote.

MOUSER STOCK NO.	Watts	Length (mm) L ± 1	Resistance Range		Price Each			
			Wirewound	Power Film	1	10	100	500
280-PRM5-Value-RC	[illegible]	25	0.1Ω~47Ω	48Ω~100KΩ	.36	.31	.23	.19
280-PRM7-Value-RC	7	38	0.1Ω~680Ω	681Ω~200KΩ	.51	.41	.31	.28
280-PRM10-Value-RC	10	50	0.1Ω~910Ω	911Ω~200KΩ	.68	.54	.42	.37

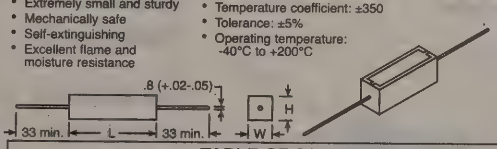
AXIAL MOUNT

Features:
- Extremely small and sturdy
- Mechanically safe
- Self-extinguishing
- Excellent flame and moisture resistance

Specifications:
- Temperature coefficient: ±350
- Tolerance: ±5%
- Operating temperature: -40°C to +200°C

DIMENSIONS: mm

Watts	L	W	H
5	22	10	9
10	49	10	9
15	49	12.5	11.5
25	64	14.5	13.5



RoHS Compliant

TABLE OF STANDARD VALUES

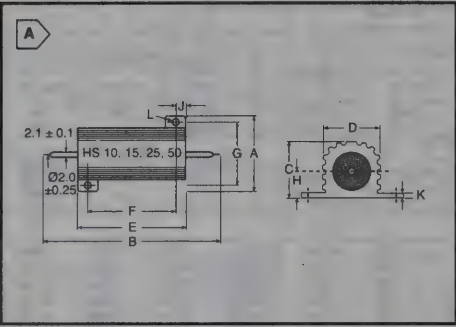
0.1	0.47	1.0	2.4	5.1	12	27	62	160	350	680	1.6K	4.7K
0.15	0.5	1.1	2.7	5.6	13	30	68	180	360	750	1.8K	5.0K
0.2	0.51	1.2	3.0	6.2	15	33	75	200	390	820	2.0K	10K
0.22	0.56	1.3	3.3	6.8	16	36	82	220	430	910	2.2K	20K
0.27	0.62	1.5	3.6	7.5	18	39	91	240	470	1.0K	2.4K	25K
0.3	0.68	1.6	3.9	8.2	20	43	100	250	500	1.1K	2.7K	
0.33	0.75	1.8	4.0	9.1	22	47	120	270	510	1.2K	3.0K	
0.39	0.82	2.0	4.7	10	24	50	130	300	560	1.3K	3.3K	
0.43	0.91	2.2	5.0	11	25	56	150	330	620	1.5K	3.9K	

For quantities 25,000 and up, call for quote.

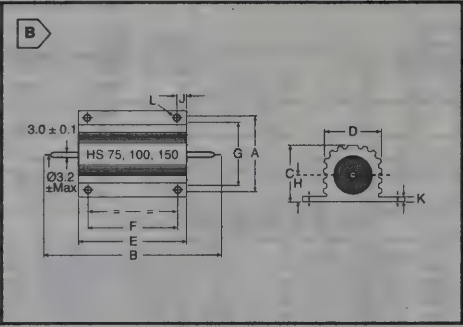
MOUSER STOCK NO.	Watts	Range of Values (Ω)	Price Each						
			1	10	100	500	1000	5000	10,000
280-CR5-Value-RC	5	.1 to 25K	.39	.32	.24	.21	.17	.13	.11
280-CR10-Value-RC	10	.1 to 25K	.55	.47	.35	.27	.24	.20	.18
280-CR15-Value-RC	15	1.0 to 1.0K	.63	.57	.47	.33	.28	.20	Call
280-CR25-Value-RC	25	2.0 to 1.0K	1.09	.99	.82	.58	.48	.34	Call

ARCOL Aluminum Housed Wirewound Power Resistors - 10 W to 300 W

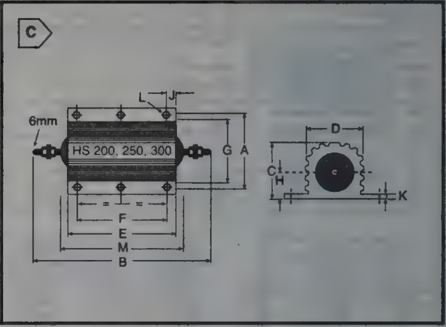
A



B



C



Arcol Type	Fig.	Dimensions: mm										
		A max.	B max.	C max.	D max.	E max.	F ± 0.3	G ± 0.3	H max.	J max.	K max.	L ± 0.25 †	M max.
HS10	A	16.5	30.0	8.8	8.5	15.9	11.3	12.4	4.5	2.4	1.8	2.4	- - -
HS15	A	21.0	36.5	11.0	11.2	19.9	14.3	15.9	5.5	2.8	1.8	2.4	- - -
HS25	A	28.0	51.0	14.6	14.0	27.3	18.3	19.8	7.3	4.7	2.6	3.2	- - -
HS50	A	29.7	72.5	14.8	14.2	49.1	39.7	21.4	8.5	5.2	2.6	3.2	- - -
HS75	B	47.5	72.0	24.1	27.3	48.7	29.0	37.0	11.8	10.4	3.7	4.4	- - -
HS100	B	47.5	88.0	24.1	27.3	65.2	35.0	37.0	11.8	15.4	3.7	4.4	- - -
HS150	B	47.5	121.0	24.1	27.3	97.7	58.0	37.0	11.8	20.4	3.7	4.4	- - -
HS200	C	72.5	145.7	41.8	45.5	89.7	70.0	57.2	20.0	10.4	5.5	5.1	103.4
HS250	C	72.5	167.0	41.8	45.5	109.7	89.0	57.2	20.0	10.4	5.5	5.1	122.4
HS300	C	72.5	184.4	41.8	45.5	127.7	104.0	59.0	20.0	10.4	5.5	6.6	141.4

200 ~ 300 Watts is ± .45

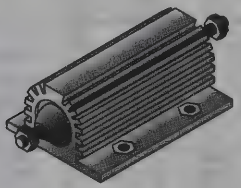


Table of Values in Ω

0.1	0.68	4.0	22	68	470	3.3K
0.15	0.82	4.7	25	75	500	4.7K
0.22	1.0	5.0	27	100	560	5K
0.27	1.5	8.0	30	120	680	10K
0.33	2.0	7.5	33	150	1K	20K
0.47	2.2	10	40	200	1.5K	25K
0.5	2.7	15	47	220	2K	50K
0.51	3.0	16	50	250	2.2K	
0.56	3.3	20	56	330	3K	

Features:

- Anodized aluminum housing ensures good humidity seal
- Designed for chassis or heat-sink mounting for maximum heat dissipation
- Terminations are silver plated
- Solder, cable, threaded, or fast-on terminations
- High level voltage protection
- Standard terminations: 10-100 watt solder terminations; 150-300 watt threaded terminations.
- Non-standard ohmic values available.

Specifications:

- Insulation resistance: 10 GΩ
- Dielectric strength:
  1000VAC peak (10-15W);
  2500VAC (25-50W);
  5000VAC (100-300W)
- Resistant element: copper-nickel alloy, or nickel chrome alloy
- Housing: anodized aluminum
- Core material: ceramic steatite
- Low inductance and special terminations available
- NHS - Low inductance series
- ISO 9001 (1994)
- Transfer molding process insures a good humidity seal and permanent compression fit of the concentric resistive element.

Heat Dissipation:

While the use of proprietary heat sinks with lower thermal resistance is acceptable, uprating is not recommended. For maximum heat transfer it is recommended that a heat sink compound be applied between the resistor base and heat sink/chassis mounting surface. It is essential that the maximum hot spot temperature of 200°C is not exceeded and therefore the resistor must be mounted on a heat sink of correct thermal resistance for the power being dissipated.

Maximum Overload:

Please consult the factory for assistance concerning your particular overload application.

Inductive Series

LEAD-FREE RoHS Compliant

- Tolerance: 1% (1Ω or higher); 5% (less than 1Ω)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wattage Rating (Heat Sink Mounted)	Stocked Values (Ω)	Price Each			
				1	10	25	50
284-HS10-Value	A	10 watt 5%	0.1-0.82	3.04	2.58	2.48	2.10
284-HS10-(Value)F	A	10 watt 1%	1.0-5K	2.48	2.44	2.26	2.03
284-HS15-Value	A	15 watt 5%	0.1-0.82	2.99	2.40	1.96	1.64
284-HS15-(Value)F	A	15 watt 1%	1.0-2K	2.20	1.92	1.79	1.65
			3K-5K	2.39	2.08	1.94	1.79
284-HS25-Value	A	25 watt 5%	0.1-0.82	3.35	3.03	2.39	2.02
284-HS25-(Value)F	A	25 watt 1%	1.0-2K	3.15	3.13	2.90	2.61
			3K-25K	3.86	2.57	2.12	1.95
284-HS50-Value	A	50 watt 5%	0.1-0.82	4.70	4.31	3.98	3.51
284-HS50-(Value)F	A	50 watt 1%	1.0-5K	3.19	3.13	2.90	2.61
			10K-50K	3.37	3.30	3.06	2.75
284-HS75-Value	B	75 Watt 5%	0.1, 0.47, 0.5	12.15	11.54	10.96	10.42
284-HS75-(Value)F	B	75 Watt 1%	1.0-220	11.91	11.31	10.74	10.20
			330-1K	12.03	11.42	10.86	10.31
284-HS100-Value	B	100 watt 5%	0.1-0.82	15.61	14.70	13.46	11.96
284-HS100-(Value)F	B	100 watt 1%	1.0-330	12.22	12.00	11.12	10.01
			470-50K	13.45	13.21	12.23	11.01
284-HS150-Value	B	150 Watt 5%	0.1, 0.47, 0.5	15.04	14.29	13.57	12.89
284-HS150-(Value)F	B	150 Watt 1%	1.0-680	15.79	15.00	14.25	13.54
			1K	17.06	16.21	15.40	14.62
284-HS200-(Value)F	C	200 watt 1%	1.0-680	46.51	42.28	38.44	34.94
			1K-5K	45.61	41.47	37.70	34.27
			10K	47.00	46.00	44.00	42.00
284-HS250-(Value)F	C	250 watt 1%	1.0-680	51.55	46.85	42.60	38.73
			1K-10K	52.08	47.34	43.04	39.13
284-HS300-(Value)F	C	300 watt 1%	1.0-1K	61.33	55.76	50.69	46.08
			1.5K-10K	61.94	56.31	51.19	46.54

Non Inductive Series

LEAD-FREE RoHS Compliant

- Tolerance: 1% (1Ω or higher); 5% (less than 1Ω)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wattage Rating (Heat Sink Mounted)	Stocked Values (Ω)	Price Each			
				1	2	5	25
284-NHS100-(Value)F	C	100 watt 1%	2.0, 4.0, 8.0, 16, 50	19.95	17.25	15.95	14.95
284-NHS200-(Value)F	C	200 watt 1%	2.0, 4.0, 8.0, 16, 50	39.95	35.95	32.25	29.95
284-NHS300-(Value)F	C	300 watt 1%	2.0, 4.0, 8.0, 16, 50	69.95	62.95	56.49	50.75

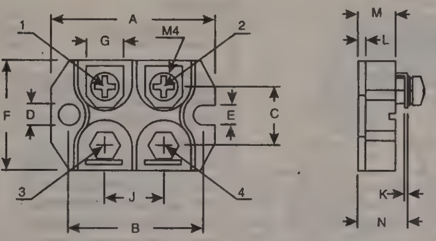
ARCOL Thick Film Power Resistors - 100 Watt

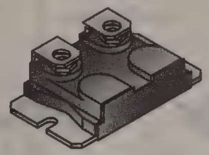
ARCOL

FPA SERIES

Features:

- ISOTOP/SOT227 semiconductor style package
- 100W dissipation in a small footprint
- Very low inductance
- Direct heatsink mounting - 0.85°C/W
- Due to a Non-Inductive design these elements are ideally suited for high frequency and pulse load applications





RoHS Compliant

LEAD-FREE

Specifications:

- TCR: 250ppm
- Power rating at 25°C: 100W
- Max working voltage: 1kV
- Working temperature range: -55°C to +155°C
- Non-Heatsink mounted rating - 2.5W

Value Table					
2.0	6.8	22	100	470	3.3K
2.2	8.0	33	150	680	4.7K
3.3	10	47	220	1K	6.8K
4.0	15	50	300	1.5K	10K
4.7	16	68	330	2.2K	22K

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA100-Value	22.63	20.57	18.70	17.00

	Dimensions: mm					
	A	B	C	D	E	F
MIN	38.00	30.10	12.60	4.00	4.10	24.40
MAX	38.20	30.30	12.80	N/A	4.30	25.40
	G	J	K	L	M	N
MIN	7.80	14.9	0.75	1.95	8.9	12.5
MAX	8.20	15.1	0.85	2.05	9.1	13.5

ARCOL Thick Film Power Resistors - 250 Watt

ARCOL

FPA SERIES

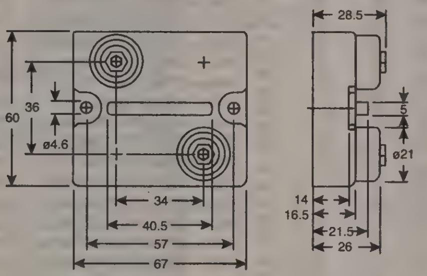
Features:

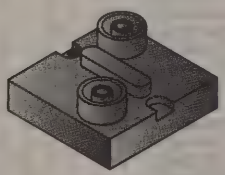
- High Power/Volume Ratio
- Direct heat sink mounting
- Due to a Non-Inductive design these elements are ideally suited for high frequency applications

Specifications:

- Power rating: 250W (heat sink at 100°C)
- Temperature coefficient: 100ppm/°C
- Max working voltage: 5000V
- Working temperature: -55°C to +155°C
- Dielectric strength: 7000V/12kV

DIMENSIONS: mm





RoHS Compliant

LEAD-FREE

Value Table				
1.0	4.0	10	50	470
2.2	4.7	22	100	1K
3.3	5.0	47	330	10K

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	10	25	50
284-FPA250-Value	87.02	82.67	78.53	74.61

ARCOL Axial Silicon Coated Resistors - 5 Watt (3 Watt Package)

ARCOL

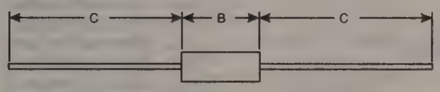
ACS SERIES

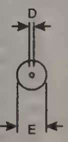
Features:

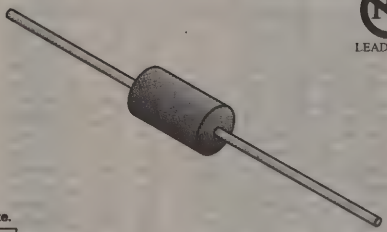
- 5 watt resistor is the size of a generic 3 watt resistor
- Inductive type resistors
- Tape & Reel: 1000 per Reel

Specifications:

- Resistance tolerance: < than 1Ω (10%)
  1Ω and > (5%)
- Temperature range: -55°C to +350°C
- Temperature coefficient: <1Ω (90ppm/°C)
  1Ω to 10Ω (50ppm/°C)
  >10Ω (20ppm/°C)
- Insulation resistance: 1000MΩ Min.
- Dielectric withstand voltage: 500VAC







RoHS Compliant

LEAD-FREE

Value Table					
0.1	0.6	3.3	33	330	3.3K
0.12	0.68	3.9	39	390	3.9K
0.15	0.7	4.7	47	470	4.7K
0.2	0.8	5.6	56	560	5.6K
0.22	0.82	6.8	68	680	6.8K
0.3	0.9	8.2	82	820	8.2K
0.33	1.0	10	100	1K	10K
0.39	1.2	12	120	1.2K	12K
0.4	1.5	15	150	1.5K	15K
0.47	1.8	18	180	1.8K	18K
0.5	2.2	22	220	2.2K	22K
0.56	2.7	27	270	2.7K	

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Range of Values	Price Each			
		1	25	100	250
284-ACS5SW-Value	0.1 - 0.9	1.50	1.35	1.22	1.09
284-ACS5SW-Value	1 - 8.2	1.00	.90	.81	.73
284-ACS5SW-Value	10 - 82	.95	.86	.77	.69
284-ACS5SW-Value	100 - 820	.95	.86	.77	.69
284-ACS5SW-Value	1K - 2.7K	1.00	.90	.81	.73
284-ACS5SW-Value	3.3K - 6.8K	1.10	.99	.89	.81
284-ACS5SW-Value	8.2K - 12K	1.50	1.35	1.22	1.09
284-ACS5SW-Value	15K - 22K	1.60	1.44	1.30	1.17

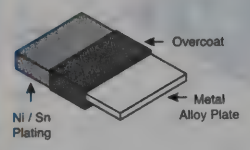
Type	Dimensions: mm			
	B	C	D	E
ACS 5S	12.7±1.0	35.0±1.0	0.8±0.02	4.78±0.8

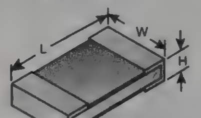
BOURNS High Power Current Sense Chip Resistors

BOURNS
Reliable Electronic Solutions

Applications:
- Power supplies
- Stepper motor drives

RoHS Compliant





DIMENSIONS: in.

Series	L	W	H
CRM2512	.248 ± .008	.122 ± .008	.024 ± .008
CRF2512	.252 ± .008	.126 ± .008	.024 ± .008
CRA2510	.196 ± .008	.098 ± .008	.024 ± .008
CRA2512	.252 ± .008	.126 ± .008	.035 ± .008

CRM2512 SERIES 1W & 2W

Features:
- Thick film technology
- Power Rating: 2W @ 70°C
- RoHS Compliant
- Operating Temp. Range: -55°C to +155°C

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Ω Value	Tol.	Temp. Coef. (ppm)	Price Each				
Mfr.	Mfr. Part Number				1	100	500	1000	2000
652—	CRM2512FXR045ELF	0.045	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR050ELF	0.050	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR055ELF	0.055	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR060ELF	0.060	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR065ELF	0.065	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR070ELF	0.070	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR075ELF	0.075	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR080ELF	0.080	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR085ELF	0.085	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR090ELF	0.090	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR095ELF	0.095	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR100ELF	0.100	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR200ELF	0.200	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR300ELF	0.300	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR500ELF	0.500	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR700ELF	0.700	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR800ELF	0.800	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512FXR910ELF	0.910	1%	± 100	.27	.25	.23	.21	.19
652—	CRM2512JVR045ELJ	0.045	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR050ELJ	0.050	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR055ELJ	0.055	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR060ELJ	0.060	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR065ELJ	0.065	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR070ELJ	0.070	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR075ELJ	0.075	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR080ELJ	0.080	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR085ELJ	0.085	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR090ELJ	0.090	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR095ELJ	0.095	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR100ELJ	0.100	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR200ELJ	0.200	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR300ELJ	0.300	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR500ELJ	0.500	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR700ELJ	0.700	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR800ELJ	0.800	5%	± 200	.17	.16	.15	.13	.12
652—	CRM2512JVR910ELJ	0.910	5%	± 200	.17	.16	.15	.13	.12

CRF2512 SERIES

Features:
- Lead free
- Power Rating @ 70°C: 0.001 to 0.010Ω, 2W; 0.015 to 0.040Ω, 1W
- Operating Temp. Range: -55°C to +170°C
- RoHS Compliant

MOUSER STOCK NO.		Ω Value	Power Watts	Tol.	Temp. Coef. (ppm)	Price Each				
Mfr.	Mfr. Part Number					1	100	500	1000	2000
652—	CRF2512FXR015ELF	0.015	1W	1%	± 75PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR020ELF	0.020	1W	1%	± 75PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR025ELF	0.025	1W	1%	± 75PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR030ELF	0.030	1W	1%	± 75PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR035ELF	0.035	1W	1%	± 75PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR040ELF	0.040	1W	1%	± 75PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR003ELF	0.003	2W	1%	± 100PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR005ELF	0.005	2W	1%	± 100PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR007ELF	0.007	2W	1%	± 100PPM	.39	.33	.28	.25	.22
652—	CRF2512FXR010ELF	0.010	2W	1%	± 100PPM	.39	.33	.28	.25	.22
652—	CRF2512FVR001ELF	0.001	2W	1%	± 275PPM	.42	.36	.30	.27	.24
652—	CRF2512FVR002ELF	0.002	2W	1%	± 275PPM	.42	.36	.30	.27	.24
652—	CRF2512JXR015ELF	0.015	1W	5%	± 75PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR020ELF	0.020	1W	5%	± 75PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR025ELF	0.025	1W	5%	± 75PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR030ELF	0.030	1W	5%	± 75PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR035ELF	0.035	1W	5%	± 75PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR040ELF	0.040	1W	5%	± 75PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR003ELF	0.003	2W	5%	± 100PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR005ELF	0.005	2W	5%	± 100PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR007ELF	0.007	2W	5%	± 100PPM	.32	.27	.23	.20	.18
652—	CRF2512JXR010ELF	0.010	2W	5%	± 100PPM	.32	.27	.23	.20	.18
652—	CRF2512JVR001ELF	0.001	2W	5%	± 275PPM	.35	.30	.25	.23	.20
652—	CRF2512JVR002ELF	0.002	2W	5%	± 275PPM	.35	.30	.25	.23	.20

CRA2010/CRA2512 SERIES 1.5W & 3W

Features:
- Special alloy resistor
- RoHS Compliant
- Power Rating @ 70°C:
CRA2010 = 1.5W
CRA2512 = 3W
- Operating Temp. Range:
-55°C to +170°C

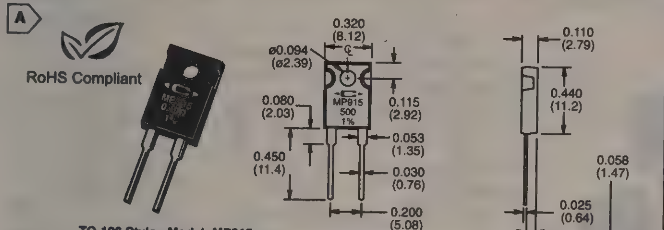
For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Ω Value	Tol.	Temp. Coef. (ppm)	Price Each				
Mfr.	Mfr. Part Number				1	100	500	1000	2000
CRA2010 Series, 1.5 Watt									
652—	CRA2010FZR010ELF	0.010	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR017ELF	0.017	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR020ELF	0.020	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR025ELF	0.025	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR030ELF	0.030	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR034ELF	0.034	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR040ELF	0.040	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR045ELF	0.045	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR050ELF	0.050	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR055ELF	0.055	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR060ELF	0.060	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR065ELF	0.065	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR070ELF	0.070	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR075ELF	0.075	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR080ELF	0.080	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR085ELF	0.085	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR090ELF	0.090	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR095ELF	0.095	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010FZR100ELF	0.100	1%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2010JZR010ELJ	0.010	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR017ELJ	0.017	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR020ELJ	0.020	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR025ELJ	0.025	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR030ELJ	0.030	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR034ELJ	0.034	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR040ELJ	0.040	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR045ELJ	0.045	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR050ELJ	0.050	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR055ELJ	0.055	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR060ELJ	0.060	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR065ELJ	0.065	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR070ELJ	0.070	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR075ELJ	0.075	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR080ELJ	0.080	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR085ELJ	0.085	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR090ELJ	0.090	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR095ELJ	0.095	5%	± 75PPM	.39	.33	.30	.28	.25
652—	CRA2010JZR100ELJ	0.100	5%	± 75PPM	.39	.33	.30	.28	.25
CRA2512 Series, 3 Watt									
652—	CRA2512FZR010ELF	0.010	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR017ELF	0.017	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR020ELF	0.020	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR025ELF	0.025	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR030ELF	0.030	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR034ELF	0.034	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR040ELF	0.040	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR045ELF	0.045	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR050ELF	0.050	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR055ELF	0.055	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR060ELF	0.060	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR065ELF	0.065	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR070ELF	0.070	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR075ELF	0.075	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR080ELF	0.080	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR085ELF	0.085	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR090ELF	0.090	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR095ELF	0.095	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512FZR100ELF	0.100	1%	± 75PPM	.46	.39	.36	.33	.29
652—	CRA2512JZR010ELJ	0.010	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR017ELJ	0.017	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR020ELJ	0.020	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR025ELJ	0.025	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR030ELJ	0.030	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR034ELJ	0.034	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR040ELJ	0.040	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR045ELJ	0.045	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR050ELJ	0.050	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR055ELJ	0.055	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR060ELJ	0.060	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR065ELJ	0.065	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR070ELJ	0.070	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR075ELJ	0.075	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR080ELJ	0.080	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR085ELJ	0.085	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR090ELJ	0.090	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR095ELJ	0.095	5%	± 75PPM	.42	.36	.33	.30	.27
652—	CRA2512JZR100ELJ	0.100	5%	± 75PPM	.42	.36	.33	.30	.27

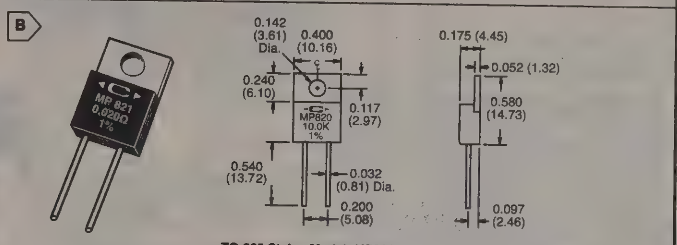
CADDOCK 15W-100W Power Film Resistors

CADDOCK

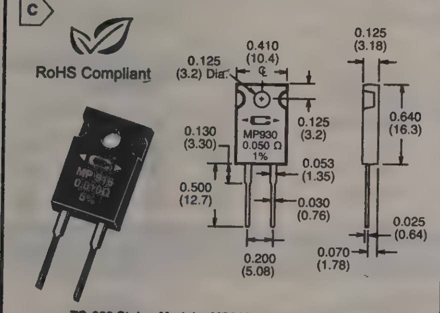
DIMENSIONS: in. (mm)


A
RoHS Compliant
0.320
(8.12)
ø0.094
(ø2.39)
MP915
500
1%
0.080
(2.03)
0.115
(2.92)
0.053
(1.35)
0.450
(11.4)
0.030
(0.76)
0.200
(5.08)
0.110
(2.79)
0.440
(11.2)
0.058
(1.47)
0.025
(0.64)

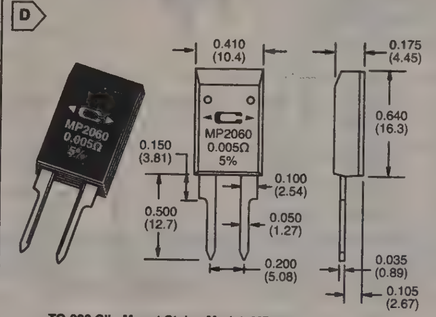
TO-126 Style - Model: MP915


B
MP 821
0.020Ω
1%
0.142
(3.61)
Dia.
0.400
(10.16)
0.240
(6.10)
MP820
10.0K
1%
0.117
(2.97)
0.540
(13.72)
0.032
(0.81) Dia.
0.200
(5.08)
0.175 (4.45)
0.052 (1.32)
0.580
(14.73)
0.097
(2.46)

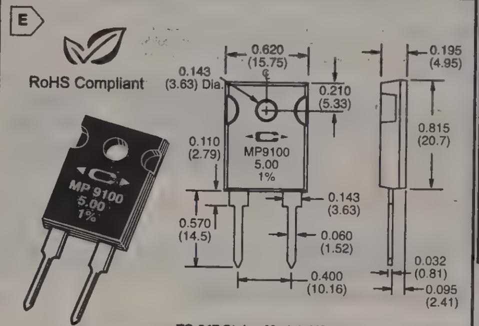
TO-220 Style - Model: MP821


C
RoHS Compliant
MP916
0.010Ω
5%
0.410
(10.4)
0.125
(3.2) Dia.
0.125
(3.18)
0.130
(3.30)
MP930
0.050 Ω
1%
0.125
(3.2)
0.640
(16.3)
0.053
(1.35)
0.500
(12.7)
0.030
(0.76)
0.025
(0.64)
0.200
(5.08)
0.070
(1.78)

TO-220 Style - Models: MP916, MP925, MP930


D
MP2060
0.005Ω
5%
0.410
(10.4)
0.175
(4.45)
0.640
(16.3)
0.150
(3.81)
MP2060
0.005Ω
5%
0.100
(2.54)
0.500
(12.7)
0.050
(1.27)
0.200
(5.08)
0.035
(0.89)
0.105
(2.67)

TO-220 Clip Mount Style - Model: MP2060


E
RoHS Compliant
MP 9100
5.00
1%
0.620
(15.75)
0.195
(4.95)
0.143
(3.63) Dia.
0.210
(5.33)
0.110
(2.79)
MP9100
5.00
1%
0.815
(20.7)
0.143
(3.63)
0.570
(14.5)
0.060
(1.52)
0.032
(0.81)
0.400
(10.16)
0.095
(2.41)

TO-247 Style - Model: MP9100

MP SERIES

Non-Inductive, Heat Sink Mount TO-126, TO-220, and TO-247 Packages

Features:

- Non-Inductive Design, Ideal for Power Switching Circuits, Snubbers, RF Applications: 50Ω performance up to 500 MHz.
- Values as low as 0.005Ω ideal for Current Sensing in Power Supplies, Motor Controls, and Battery Charging Circuits
- Resistor Element Electrically Isolated from the Ceramic Heat Dissipating Mounting Surface (1500 V ACrms)
- 1% Tolerance for most resistance values

*** Power Ratings are based on +25°C Case Temp.:**

The case temp. is used to establish the max. applied power, see Derating Curve. The case temp. measurement is made with a thermocouple contacting the bottom mounting surface of the package (center of heat dissipating ceramic), the device mounted on the heat sink with thermal grease. See Mounting Note.

Without a Heat Sink:

When in free air at +25°C the MP Series have
the following power ratings:
MP915: 1.25 W MP916, MP925, MP930: 2.25 W
MP2060: 2.5 W MP9100: 3.5 W

Mounting Note:

Mount on a smooth, clean, and flat heat sink surface with a thermal interface material such as thermal grease. The entire exposed ceramic area must be in contact with the heat sink. For additional technical information please refer to the Caddock Applications Notes for the MP Series available online at www.caddock.com.

Screw Mounting:

The use of a compression washer (Belleville type) is recommended. The compression washer must provide a force of 150 to 300 lbs. Recommended mounting torque is 6 in-lbs. Maximum mounting torque to avoid damage to the package is 8 in-lbs.

Clip Mounting:

Recommended Clip Force is 8 to 35 lbs applied to the center of the package. The clip should be smooth to avoid any point concentrations of pressure.

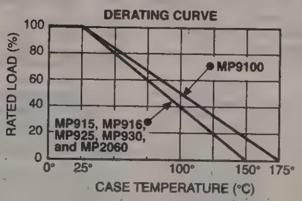


Table of Stocked Values in (Ω)				
0.005	0.2	10	100	5K
0.01	0.5	20	200	10K
0.02	1	25	500	20K
0.05	2	50	1K	50K
0.1	5	75	2K	100K

Temperature Coefficient:

MP915, MP916, MP925, MP930:

- ΔR taken at +150°C, ref to +25°C
  0.50Ω to 100K: -20 to +80 ppm/°C
  0.050Ω to 0.49Ω: 0 to +200 ppm/°C
  0.020Ω to 0.049Ω: 0 to +300 ppm/°C
  0.010Ω to 0.019Ω: 0 to +500 ppm/°C

MP821, MP820:

- ΔR taken at +175°C, ref to +25°C
  5.00Ω to 10K: -20 to +50 ppm/°C
  0.50Ω to 4.99Ω: -20 to +80 ppm/°C
  0.050Ω to 0.49Ω: 0 to +200 ppm/°C
  0.020Ω to 0.049Ω: 0 to +300 ppm/°C

MP2060:

- ΔR taken at +150°C, ref to +25°C
  0.50Ω to 100K: -20 to +80 ppm/°C
  0.050Ω to 0.49Ω: 0 to +100 ppm/°C
  0.015Ω to 0.049Ω: 0 to +200 ppm/°C
  0.005Ω to 0.014Ω: 0 to +300 ppm/°C

MP9100:

- ΔR taken at +175°C, ref to +25°C
  0.50Ω to 100Ω: -20 to +80 ppm/°C
  0.050Ω to 0.49Ω: 0 to +150 ppm/°C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Case Style	Fig.	*Power Rating	Thermal Res. (Film to Case)	Max. Operating Voltage ACrms	Ohm Range (See Table of Stocked Values)	Tol.	Price Each			
									1	10	25	50
684-MP915-Value	MP915-Value-Tol.	TO-126	A	15 W	8.33°C/W	Power Limited	0.02	5%	4.69	3.75	3.47	3.28
		TO-126	A	15 W	8.33°C/W	Power Limited	0.05	1%	4.69	3.75	3.47	3.28
		TO-126	A	15 W	8.33°C/W	Power Limited	0.1 to 0.5	1%	3.45	2.76	2.54	2.41
		TO-126	A	15 W	8.33°C/W	200 V	1 to 5	1%	3.27	2.62	2.41	2.29
		TO-126	A	15 W	8.33°C/W	200 V	10 to 1K	1%	2.98	2.34	2.16	2.04
684-MP916-Value	MP916-Value-Tol.	TO-220	C	16 W	7.81°C/W	Power Limited	0.01	5%	7.26	5.80	5.37	5.08
684-MP821-Value	MP821-Value-Tol.	TO-220	B	20 W	7.5°C/W	Power Limited	0.02 to 0.05	1%	9.45	7.56	6.99	6.61
		TO-220	B	20 W	7.5°C/W	Power Limited	0.1 to 0.5	1%	8.92	7.14	6.60	6.24
		TO-220	B	20 W	7.5°C/W	300 V	1.0 to 5	1%	7.20	5.76	5.33	5.04
684-MP820-Value	MP820-Value-Tol.	TO-220	B	20 W	7.5°C/W	300 V	10 to 10K	1%	5.92	4.72	4.37	4.14
684-MP925-Value	MP925-Value-Tol.	TO-220	C	25 W	5.0°C/W	500 V	5K to 100K	1%	3.72	2.98	2.75	2.61
684-MP930-Value	MP930-Value-Tol.	TO-220	C	30 W	4.17°C/W	Power Limited	0.02	5%	5.99	4.79	4.42	4.19
		TO-220	C	30 W	4.17°C/W	Power Limited	0.05	1%	5.99	4.79	4.42	4.19
		TO-220	C	30 W	4.17°C/W	Power Limited	0.1 to 0.5	1%	4.36	3.49	3.23	3.05
		TO-220	C	30 W	4.17°C/W	250 V	1 to 5	1%	4.16	3.33	3.08	2.92
		TO-220	C	30 W	4.17°C/W	250 V	10 to 2K	1%	3.72	2.98	2.75	2.61
684-MP2060-Value	MP2060-Value-Tol.	TO-220 Clip	D	18 W	6.94°C/W	Power Limited	0.005	5%	9.91	7.92	7.32	6.93
		TO-220 Clip	D	36 W	3.47°C/W	Power Limited	0.01	2%	9.91	7.92	7.32	6.93
		TO-220 Clip	D	60 W	2.08°C/W	Power Limited	0.02 to 0.05	1%	9.91	7.92	7.32	6.93
		TO-220 Clip	D	60 W	2.08°C/W	Power Limited	0.1 to 0.5	1%	8.83	7.06	6.53	6.18
		TO-220 Clip	D	60 W	2.08°C/W	250 V	1 to 5	1%	7.55	6.04	5.59	5.29
		TO-220 Clip	D	60 W	2.08°C/W	250 V	10 to 1K	1%	6.31	5.04	4.66	4.42
684-MP9100-Value	MP9100-Value-Tol.	TO-247	E	100 W	1.50°C/W	Power Limited	0.05	1%	12.84	10.27	9.49	8.99
		TO-247	E	100 W	1.50°C/W	Power Limited	0.1 to 0.5	1%	12.22	9.80	9.05	8.57
		TO-247	E	100 W	1.50°C/W	Power Limited	1 to 5	1%	11.29	9.04	8.36	7.91
		TO-247	E	100 W	1.50°C/W	Power Limited	10 to 20	1%	10.35	8.28	7.66	7.25
		TO-247	E	100 W	1.50°C/W	Power Limited	25 to 100	1%	9.40	7.33	6.95	6.57

CADDOCK Power Film Resistors

CADDOCK

MP725 D-PACK STYLE

Features:

- Non-Inductive Design
- Values as Low as 0.020Ω
- Resistor Electrically Isolated from Heat Sink

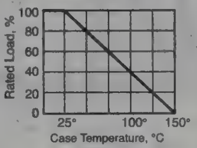
Specifications:

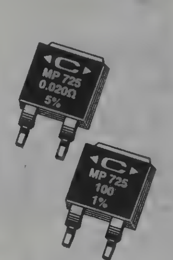
- Power Rating: 25 W at +25°C Case Temp. (see Derating Note for Power Rating)
- Temp. Coeff. ΔR taken at +150°C, ref to +25°C
  0.50Ω to 1.00 KΩ: -20 to +80 ppm/°C
  0.050Ω to 0.49Ω: 0 to +200 ppm/°C
  0.020Ω to 0.049Ω: 0 to +300 ppm/°C

***Derating Note: The case temperature is to be used for purposes of establishing the maximum applied power. See Derating Curve.** The case temperature measurement is made on the metal mounting tab against the molded body. Derate appropriately for the ambient temperature range, the thermal resistance of the mounting surface, and the temperature limitations of the adjacent materials (such as glass epoxy). The Thermal Resistance (film to case) is 5.00°C/W. For additional technical information refer to the Applications Note at www.caddock.com. Power dissipation is 2.5 watts, at an ambient temperature of 25°C, when mounted on a standard pcb (ex. FR-4 or G-10) with double sided copper board (2 ounce) 1 inch X 1 inch X .063 inch (thick).

Soldering Note: The case temperature of the MP725 should not exceed +219°C during reflow soldering or any other soldering process. See the applications note at www.caddock.com for more information.

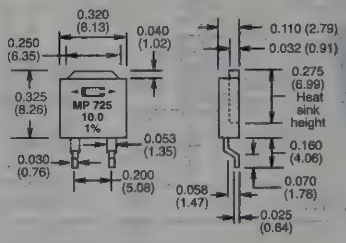
Derating Curve:



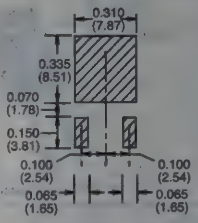

MP 725
0.020Ω
5%
MP 725
100
1%

DIMENSIONS: IN and (mm)

RoHS Compliant


0.320
(8.13)
0.250
(6.35)
0.040
(1.02)
0.325
(8.26)
MP 725
10.0
1%
0.053
(1.35)
0.030
(0.76)
0.200
(5.08)
0.110 (2.79)
0.032 (0.91)
0.275
(6.99)
Heat
sink
height
0.160
(4.06)
0.070
(1.78)
0.058
(1.47)
0.025
(0.64)

Mechanical Outline


0.310
(7.87)
0.335
(8.51)
0.070
(1.78)
0.150
(3.81)
0.100
(2.54)
0.100
(2.54)
0.065
(1.65)
0.065
(1.65)

Solderable Contact Area

Table of Values in (Ω)		
0.02	2	75
0.05	5	100
0.1	10	200
0.2	20	500
0.5	25	1K
1	50	

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Case Style	*Power Rating	Thermal Res. (Film to Case)	Max. Operating Voltage ACrms	Ohm Range (See Table of Stocked Values)	Tol. ±	Price Each			
								1	10	25	50
684-MP725-Value	MP725-Value-Tol.	D-Pak Style	25 W	5.0°C/W	Power Limited	0.02	5%	7.26	5.80	5.37	5.08
		D-Pak Style	25 W	5.0°C/W	Power Limited	0.05	1%	7.26	5.80	5.37	5.08
		D-Pak Style	25 W	5.0°C/W	Power Limited	0.1 to 0.5	1%	5.36	4.28	3.97	3.58
		D-Pak Style	25 W	5.0°C/W	200 V	1 to 5	1%	4.80	3.84	3.55	3.36
		D-Pak Style	25 W	5.0°C/W	200 V	10 to 1K	1%	4.54	3.62	3.35	3.17

MK132V/ MK632V SERIES

Features:

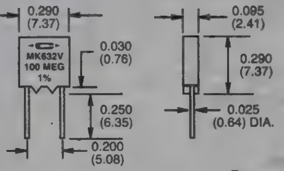
- Non-Inductive Design
- Values from 1Ω to 100MΩ
- Compact Footprint
- Can replace many RN Type Resistors

Specifications:

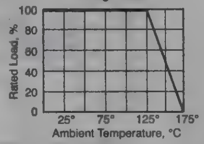
- Power: 0.75 W at +125°C
- Voltage: 400V at +125°C
- Temp. Coeff. -15°C to +105°C, ref. +25°C
  5Ωto 5MΩ: ±50 ppm/°C
  10MΩ to 100MΩ: ±80 ppm/°C
  1Ω to 2Ω: ±200 ppm/°C

Table of Values in (Ω)			
1	200	50K	10M
2	500	100K	20M
5	1K	200K	50M
10	2K	500K	100M
20	5K	1M	
50	10K	2M	
100	20K	5M	

MK 632V
100 Meg
1%


0.290
(7.37)
MK632V
100 MEG
1%
0.030
(0.76)
0.250
(6.35)
0.200
(5.08)
0.095
(2.41)
0.290
(7.37)
0.025
(0.64) DIA.

Derating Curve:



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ohm Range (See Table of Stocked Values)	Tol. ±	Price Each			
			1	10	25	50
684-MK132V-Value	1 to 20	1%	6.93	5.54	5.13	4.85
	50	1%	4.36	3.49	3.23	3.05
	100 to 50K	1%	3.62	2.90	2.68	2.53
	100K to 500K	1%	4.36	3.49	3.23	3.05
	1M to 5M	1%	5.64	4.50	4.16	3.95
684-MK632V-Value	10M	1%	5.99	4.79	4.42	4.19
	20M to 100M	1%	7.22	5.78	5.35	5.06

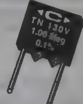
TN130V SERIES

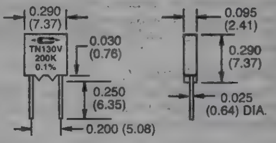
Features:

- Non-Inductive Design
- Values from 1KΩ to 1MΩ
- Compact Footprint

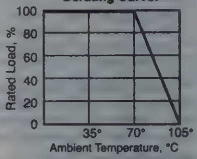
Specifications:

- Power Rating: 0.30W at +70°C
- Voltage Rating: 200V at +70°C
- Temp. Coeff. ± 10 ppm/°C
  ΔR taken at 0°C and +70°C, ref. to +25°C


TN 130V
1.00 Meg
0.1%


0.290
(7.37)
TN130V
200K
0.1%
0.030
(0.76)
0.250
(6.35)
0.200 (5.08)
0.095
(2.41)
0.290
(7.37)
0.025
(0.64) DIA.

Derating Curve:



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Price Each			
		1	10	25	50
684-TN130V-1K	TN130V-1K-0.1%-10ppm	7.50	6.00	5.54	5.25
684-TN130V-2K	TN130V-2K-0.1%-10ppm	7.50	6.00	5.54	5.25
684-TN130V-5K	TN130V-5K-0.1%-10ppm	7.50	6.00	5.54	5.25
684-TN130V-10K	TN130V-10K-0.1%-10ppm	7.50	6.00	5.54	5.25
684-TN130V-20K	TN130V-20K-0.1%-10ppm	7.50	6.00	5.54	5.25
684-TN130V-50K	TN130V-50K-0.1%-10ppm	7.50	6.00	5.54	5.25
684-TN130V-100K	TN130V-100K-0.1%-10ppm	8.67	6.93	6.42	6.07
684-TN130V-200K	TN130V-200K-0.1%-10ppm	9.73	7.81	7.22	6.83
684-TN130V-500K	TN130V-500K-0.1%-10ppm	11.23	8.99	8.32	7.87
684-TN130V-1M	TN130V-1Meg-0.1%-10ppm	12.74	10.19	9.41	8.91

CADDOCK Precision Current Sense Resistors - 1 Watt and 2 Watt

CADDOCK

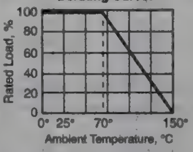
RoHS Compliant

SR SERIES

Features:

- Non-Inductive Design.
- Kelvin (4 wire) Leads
- Excellent Long Term Stability
- Compact Footprint
- Values as low as 0.008Ω ±1%

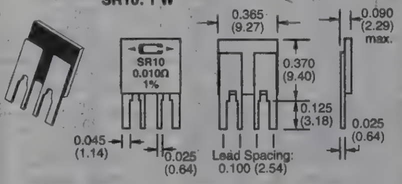
Derating Curve:



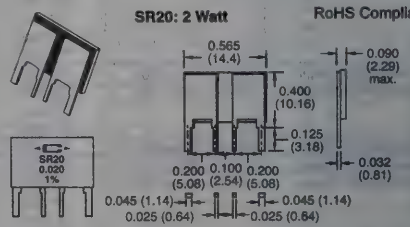
Specifications:

- Power Rating: SR10: 1 W at +70°C, SR20:2 Watts at +70°C (See Dearting Curve)
- Temp. Coeff. -15°C to +105°C, ref. +25°C
  0.10Ω to 1.00Ω: -50 to +100 ppm/°C
  0.025Ω to 0.075Ω: 0 to +150 ppm/°C
  0.008Ω to 0.020Ω: 0 to +200 ppm/°C

SR10: 1 W


SR10
0.010Ω
1%
0.365
(9.27)
0.090
(2.29)
max.
0.370
(9.40)
0.125
(3.18)
0.025
(0.64)
0.045
(1.14)
0.025
(0.64)
Lead Spacing:
0.100 (2.54)

SR20: 2 Watt


0.565
(14.4)
0.090
(2.29)
max.
0.400
(10.16)
0.125
(3.18)
SR20
0.020
1%
0.200
(5.08)
0.100
(2.54)
0.200
(5.08)
0.032
(0.81)
0.045 (1.14)
0.045 (1.14)
0.025 (0.64)
0.025 (0.64)

Model: SR10

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Ohm Range (Ω)	Tol. ±	Price Each			
				1	10	25	50
684-SR10-0.008	SR10-0.008-1%	0.008	1%	4.18	3.35	3.09	2.94
684-SR10-0.01	SR10-0.010-1%	0.010	1%	4.18	3.35	3.09	2.94
684-SR10-0.02	SR10-0.020-1%	0.020	1%	3.62	2.90	2.68	2.53
684-SR10-0.05	SR10-0.050-1%	0.050	1%	3.62	2.90	2.68	2.53
684-SR10-0.1	SR10-0.10-1%	0.10	1%	3.62	2.90	2.68	2.53
684-SR10-0.2	SR10-0.20-1%	0.20	1%	3.62	2.90	2.68	2.53
684-SR10-0.5	SR10-0.50-1%	0.50	1%	3.62	2.90	2.68	2.53
684-SR10-1.0	SR10-1.00-1%	1.00	1%	3.62	2.90	2.68	2.53

Model: SR20

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Caddock Part No.	Ohm Range (Ω)	Tol. ±	Price Each			
				1	10	25	50
684-SR20-0.008	SR20-0.008-1%	0.008	1%	6.29	5.02	4.64	4.40
684-SR20-0.01	SR20-0.010-1%	0.010	1%	6.29	5.02	4.64	4.40
684-SR20-0.02	SR20-0.020-1%	0.020	1%	5.48	4.38	4.05	3.84
684-SR20-0.05	SR20-0.050-1%	0.050	1%	5.48	4.38	4.05	3.84
684-SR20-0.1	SR20-0.10-1%	0.10	1%	5.48	4.38	4.05	3.84
684-SR20-0.2	SR20-0.20-1%	0.20	1%	5.48	4.38	4.05	3.84
684-SR20-0.5	SR20-0.50-1%	0.50	1%	5.48	4.38	4.05	3.84
684-SR20-1.0	SR20-1.00-1%	1.00	1%	5.48	4.38	4.05	3.84

OHMITE G Series Capacitor Discharge Resistors

Specifications:

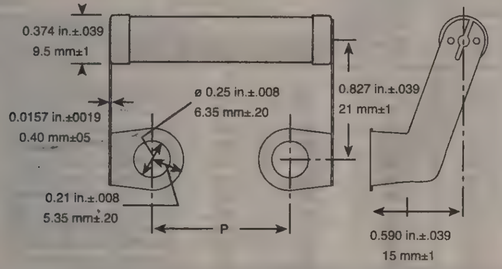
- Temperature Range: -55°C to 200°C
- Terminal Strength: >25N
- Derating: 25°C to 350°C, Linearly
- TCR: ±100 ppm/°C
- Tolerance: ±5%. ±1% available

RoHS Compliant

Dimensions: P (mm/in.)	
GW10	0.866 / 22.0
GW 13	1.252 / 31.8

Features:

- High Power Dissipation up to 13W @25°C
- Specially Designed to meet Repetitive Pulse Loading
- Corrosion Resistant Terminals for long life
- Superior Vibration Resistance
- IEC 115-1 Reference Standard



10 Watts

For quantities of 2000 and up, call for quote.

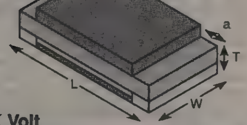
MOUSER STOCK NO.	Ohmite Part Number	Value (Ω)	Price Each 1	10	100	250	500	1000
588-GW10J1K00E	GW10J1K00E	1KΩ	4.19	3.72	3.35	2.98	2.79	2.60
588-GW10J2K50E	GW10J2K50E	2.5KΩ	4.19	3.72	3.35	2.98	2.79	2.60
588-GW10J5K00E	GW10J5K00E	5KΩ	4.19	3.72	3.35	2.98	2.79	2.60
588-GW10J7K50E	GW10J7K50E	7.5KΩ	4.19	3.72	3.35	2.98	2.79	2.60
588-GW10J10K0E	GW10J10K0E	10KΩ	4.19	3.72	3.35	2.98	2.79	2.60
588-GW10J15K0E	GW10J15K0E	15KΩ	4.19	3.72	3.35	2.98	2.79	2.60
588-GW10J20K0E	GW10J20K0E	20KΩ	4.25	3.78	3.40	3.02	2.84	2.65
588-GW10J25K0E	GW10J25K0E	25KΩ	4.25	3.78	3.40	3.02	2.84	2.65
588-GW10J40K0E	GW10J40K0E	40KΩ	4.30	3.82	3.44	3.06	2.87	2.67
588-GW10J50K0E	GW10J50K0E	50KΩ	4.39	3.90	3.51	3.12	2.93	2.73
588-GW10J75K0E	GW10J75K0E	75KΩ	4.86	4.32	3.89	3.46	3.24	3.02

13 Watts

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part Number	Value (Ω)	Price Each 1	10	100	250	500	1000
588-GW13J1K00E	GW13J1K00E	1K	4.28	3.80	3.42	3.04	2.85	2.66
588-GW13J2K50E	GW13J2K50E	2.5K	4.28	3.80	3.42	3.04	2.85	2.66
588-GW13J5K00E	GW13J5K00E	5K	4.28	3.80	3.42	3.04	2.85	2.66
588-GW13J7K50E	GW13J7K50E	7.5K	4.28	3.80	3.42	3.04	2.85	2.66
588-GW13J10K0E	GW13J10K0E	10K	4.28	3.80	3.42	3.04	2.85	2.66
588-GW13J15K0E	GW13J15K0E	15K	4.28	3.80	3.42	3.04	2.85	2.66
588-GW13J20K0E	GW13J20K0E	20K	4.34	3.86	3.47	3.09	2.90	2.70
588-GW13J25K0E	GW13J25K0E	25K	4.34	3.86	3.47	3.09	2.90	2.70
588-GW13J40K0E	GW13J40K0E	40K	4.39	3.90	3.51	3.12	2.93	2.73
588-GW13J50K0E	GW13J50K0E	50K	4.48	3.98	3.58	3.18	2.99	2.79
588-GW13J75K0E	GW13J75K0E	75K	4.95	4.40	3.96	3.52	3.30	3.08

OHMITE HVF Series High Voltage Flip Chip Resistors



RoHS Compliant

Specifications:

- Resistance Tolerance: ±1% std.
- Temperature Coefficient: ±100ppm std.
- Coating: Silicone
- Solder Pad Material: Silver (PdAg)

Features:

- High voltage up to 3,000 volts
- Industry standard sizes
- Working temperature range ?55°C to 200°C
- Designed for automatic insertion

Series	Power Rating (mW)	Voltage Rating	Dim. L ±0.008	Dim. W ±0.008	Dim. a ±0.008	T (max.)	Qty./Reel
HVF1206	300	1,500	0.128	0.063	0.018	0.028	5000
HVF2512	1000	3,000	0.252	0.126	0.026	0.032	4000

3K Volt

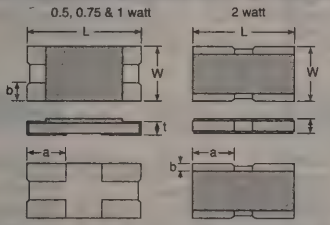
MOUSER STOCK NO.	Ohmite Part Number	Value (Ω)	Price Each 1	10	100	250	500	1000
588-HVF2512T2502FE	HVF2512T2502FE	25K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T5002FE	HVF2512T5002FE	50K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T7502FE	HVF2512T7502FE	75K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T1003FE	HVF2512T1003FE	100K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T2503FE	HVF2512T2503FE	250K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T5003FE	HVF2512T5003FE	500K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T1004FE	HVF2512T1004FE	1000K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T1504FE	HVF2512T1504FE	1500K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T2004FE	HVF2512T2004FE	2000K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T2504FE	HVF2512T2504FE	2500K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T5004FE	HVF2512T5004FE	5000K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T7504FE	HVF2512T7504FE	7500K	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T1007FE	HVF2512T1007FE	1G	4.49	3.45	3.06	2.55	2.04	1.88
588-HVF2512T5007FE	HVF2512T5007FE	5G	4.49	3.45	3.06	2.55	2.04	1.88

1.5K Volt

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part Number	Value (Ω)	Price Each 1	10	100	250	500	1000
588-HVF1206T2502FE	HVF1206T2502FE	25K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T5002FE	HVF1206T5002FE	50K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T7502FE	HVF1206T7502FE	75K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T1003FE	HVF1206T1003FE	100K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T2503FE	HVF1206T2503FE	250K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T5003FE	HVF1206T5003FE	500K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T1004FE	HVF1206T1004FE	1000K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T1504FE	HVF1206T1504FE	1500K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T2004FE	HVF1206T2004FE	2000K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T2504FE	HVF1206T2504FE	2500K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T5004FE	HVF1206T5004FE	5000K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T7504FE	HVF1206T7504FE	7500K	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T1007FE	HVF1206T1007FE	1G	3.80	2.93	2.60	2.16	1.73	1.59
588-HVF1206T1008FE	HVF1206T1008FE	10G	3.80	2.93	2.60	2.16	1.73	1.59

OHMITE Four Term Current Sense Resistors



Series	Case Size	Voltage Rating	Dim. L ±0.008	Dim. W ±0.008	Dim. a ±0.008	T (max.)
LVK12	(1206)	1.6±0.2	3.2±0.2	0.5±0.15	1±0.2	0.55±0.2
LVK20	(2010)	2.5±0.2	5±0.2	0.5±0.15	1.7±0.2	0.9±0.2
LVK24	(2412)	3.2±0.2	6.4±0.2	0.5±0.15	2.1±0.2	1.2±0.2
LVK25	(1224)	3.2±0.2	6.4±0.2	0.5±0.2	2.7±0.2	0.4±0.2

Specifications:

- Resistance Range: 0.001ø - 0.05ø
- Operating Temperature Range: -40~+125°C
- Rated Ambient Temperature: +70°C
- Resistance Tolerance: 1% standard. 0.5% available
- Temperature Coefficient: 50ppm and 100ppm standard
- Terminals: 100% matte tin

Features:

- Designed for automatic insertion
- Industry standard sizes
- High-precision kelvin connect capability in a small package
- Working temp. range -55°C ~ 200°C

RoHS Compliant

.5 Watt

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part Number	Value (Ω)	Price Each 1	25	50	100	200	500	1000
588-LVK12R010FER	LVK12R010FER	0.010	.41	.38	.34	.30	.27	.24	.21
588-LVK12R012FER	LVK12R012FER	0.012	.41	.38	.34	.30	.26	.23	.21
588-LVK12R020FER	LVK12R020FER	0.020	.41	.38	.34	.30	.26	.23	.21
588-LVK12R024FER	LVK12R024FER	0.024	.41	.38	.34	.30	.27	.24	.21
588-LVK12R030FER	LVK12R030FER	0.030	.41	.38	.34	.30	.27	.24	.21
588-LVK12R047FER	LVK12R047FER	0.047	.41	.38	.34	.30	.27	.24	.21
588-LVK12R050FER	LVK12R050FER	0.050	.41	.38	.34	.30	.27	.24	.21

.75 Watt

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part Number	Value (Ω)	Price Each 1	25	50	100	200	500	1000
588-LVK20R010FER	LVK20R010FER	0.010	.69	.63	.56	.50	.45	.40	.35
588-LVK20R015FER	LVK20R015FER	0.015	.69	.63	.56	.50	.45	.40	.35
588-LVK20R020FER	LVK20R020FER	0.020	.69	.63	.56	.50	.45	.40	.35
588-LVK20R027FER	LVK20R027FER	0.027	.69	.63	.56	.50	.45	.40	.35
588-LVK20R030FER	LVK20R030FER	0.030	.69	.63	.56	.50	.45	.40	.35
588-LVK20R039FER	LVK20R039FER	0.039	.69	.63	.56	.50	.45	.40	.35
588-LVK20R050FER	LVK20R050FER	0.050	.69	.63	.56	.50	.45	.40	.35

1 Watt

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part Number	Value (Ω)	Price Each 1	25	50	100	200	500	1000
588-LVK24R010FER	LVK24R010FER	0.010	.96	.88	.79	.70	.63	.56	.49
588-LVK24R012FER	LVK24R012FER	0.012	.96	.88	.79	.70	.63	.56	.49
588-LVK24R015FER	LVK24R015FER	0.015	.96	.88	.79	.70	.63	.56	.49
588-LVK24R020FER	LVK24R020FER	0.020	.96	.88	.79	.70	.63	.56	.49
588-LVK24R030FER	LVK24R030FER	0.030	.96	.88	.79	.70	.63	.56	.49
588-LVK24R039FER	LVK24R039FER	0.039	.96	.88	.79	.70	.63	.56	.49
588-LVK24R047FER	LVK24R047FER	0.047	.96	.88	.79	.70	.63	.56	.49
588-LVK24R050FER	LVK24R050FER	0.050	.96	.88	.79	.70	.63	.56	.49

2 Watt

For quantities of 2000 and up, call for quote.

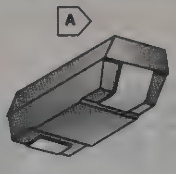
MOUSER STOCK NO.	Ohmite Part Number	Value (Ω)	Price Each 1	25	50	100	200	500	1000
588-LVK25R001FER	LVK25R001FER	0.001	1.38	1.25	1.13	1.00	.90	.80	.70
588-LVK25R002FER	LVK25R002FER	0.002	1.38	1.25	1.13	1.00	.90	.80	.70
588-LVK25R003FER	LVK25R003FER	0.003	1.38	1.25	1.13	1.00	.90	.80	.70
588-LVK25R005FER	LVK25R005FER	0.005	1.38	1.25	1.13	1.00	.90	.80	.70
588-LVK25R010FER	LVK25R010FER	0.010	1.38	1.25	1.13	1.00	.90	.80	.70

OHMITE 5% SMD Wirewound Power Resistors - 1, 1.5, 2 and 3.5 Watt

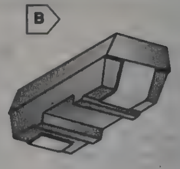
OHMITE.

RW SERIES

These low value surface mount power resistors are ideal for current sensing applications and reduce the amount of space required by traditional power resistors. They offer higher power levels than conventional chip resistors. The body is molded with UL94V0 material rated at 205°C continuous. Flexible J-bend terminations reduce solder joint breakage due to thermal expansion and vibration.



Standard Pedestal Mount



Recessed-base Mount

Now Available On Reels

RoHS Compliant

Specifications:

- Tolerance: 5%
- Dielectric strength: 1000V
- Flexible J-bend terminations
- Temperature Coefficient: ±90ppm/°C

Wattage	Dimensions (IN)		
	L	H	W
1	.246	.136	.136
1.5	.394	.159	.159
2	.407	.222	.226
3.5	.811	.273	.273

MOUSER STOCK NO. (Bulk)	Ohmite Part No.	Fig.	Value (Ω)	Maximum Voltage (V)	Price Each				MOUSER STOCK NO. (Reel)	Price Per Piece
					1	50	100	250		
0.6 Watt										
588-RW0S6BBR010FE	RW0S6BBR010FE	A	0.010	50	1.15	1.05	.90	.85	588-RW0S6BBR010FET	.75
588-RW0S6BBR020FE	RW0S6BBR020FE	A	0.020	50	1.15	1.05	.90	.85	588-RW0S6BBR020FET	.75
588-RW0S6BBR030FE	RW0S6BBR030FE	A	0.030	50	1.15	1.05	.90	.85	588-RW0S6BBR030FET	.75
588-RW0S6BBR050FE	RW0S6BBR050FE	A	0.050	50	1.15	1.05	.90	.85	588-RW0S6BBR050FET	.75
588-RW0S6BBR100FE	RW0S6BBR100FE	A	0.100	50	1.15	1.05	.90	.85	588-RW0S6BBR100FET	.75
588-RW0S6BBR470FE	RW0S6BBR470FE	A	0.470	50	1.15	1.05	.90	.85	588-RW0S6BBR470FET	.75
588-RW0S6BBR750FE	RW0S6BBR750FE	A	0.750	50	1.15	1.05	.90	.85	588-RW0S6BBR750FET	.75
588-RW0S6BB1R00FE	RW0S6BB1R00FE	A	1.000	50	1.15	1.05	.90	.85	588-RW0S6BB1R00FET	.75
588-RW0S6BB2R00FE	RW0S6BB2R00FE	A	2.000	50	1.15	1.05	.90	.85	588-RW0S6BB2R00FET	.75
588-RW0S6BB5R00FE	RW0S6BB5R00FE	A	5.000	50	1.15	1.05	.90	.85	588-RW0S6BB5R00FET	.75
588-RW0S6BB10R0FE	RW0S6BB10R0FE	A	10.000	50	1.15	1.05	.90	.85	588-RW0S6BB10R0FET	.75
1 Watt									Reel 2000	
588-RW1S0BAR010JE	RW1S0BAR010JE	A	0.010	50	1.92	1.86	1.70	1.59	588-RW1S0BAR010JET	1.36
588-RW1S0BAR025JE	RW1S0BAR025JE	A	0.025	50	1.92	1.86	1.70	1.59	588-RW1S0BAR025JET	1.36
588-RW1S0BAR050JE	RW1S0BAR050JE	A	0.050	50	1.92	1.86	1.70	1.59	588-RW1S0BAR050JET	1.36
588-RW1S0BAR100JE	RW1S0BAR100JE	A	0.100	50	2.33	2.22	2.06	1.91	588-RW1S0BAR100JET	1.65
588-RW1S0BAR300JE	RW1S0BAR300JE	A	0.300	50	2.33	2.22	2.06	1.91	588-RW1S0BAR300JET	1.65
588-RW1S0BAR470JE	RW1S0BAR470JE	A	0.470	50	2.33	2.22	2.06	1.91	588-RW1S0BAR470JET	1.65
588-RW1S0BA1R00JE	RW1S0BA1R00JE	A	1.000	50	2.48	2.33	2.25	2.17	588-RW1S0BA1R00JET	1.65
1.5 Watts									Reel 1500	
588-RW1S5CAR005JE	RW1S5CAR005JE	A	0.005	75	1.70	1.60	1.50	1.39	588-RW1S5CAR005JET	1.20
588-RW1S5CAR010JE	RW1S5CAR010JE	A	0.010	75	1.70	1.60	1.50	1.39	588-RW1S5CAR010JET	1.20
588-RW1S5CAR100JE	RW1S5CAR100JE	A	0.100	75	2.24	2.11	1.98	1.83	588-RW1S5CAR100JET	1.58
588-RW1S5CAR150JE	RW1S5CAR150JE	A	0.150	75	2.24	2.11	1.98	1.83	588-RW1S5CAR150JET	1.58
588-RW1S5CA1R00JE	RW1S5CA1R00JE	A	1.000	75	2.24	2.11	1.98	1.83	588-RW1S5CA1R00JET	1.58
2 Watts									Reel 1000	
588-RW2S0CBR005JE	RW2S0CBR005JE	A	0.005	100	1.68	1.58	1.49	1.38	588-RW2S0CBR005JET	1.19
588-RW2S0CBR010JE	RW2S0CBR010JE	A	0.010	100	1.68	1.58	1.49	1.38	588-RW2S0CBR010JET	1.19
588-RW2S0CBR020JE	RW2S0CBR020JE	A	0.020	100	1.68	1.58	1.49	1.38	588-RW2S0CBR020JET	1.19
588-RW2S0CBR050JE	RW2S0CBR050JE	A	0.050	100	1.68	1.58	1.49	1.38	588-RW2S0CBR050JET	1.19
588-RW2S0CBR500JE	RW2S0CBR500JE	A	0.500	100	2.13	2.01	1.89	1.75	588-RW2S0CBR500JET	1.51
588-RW2S0CBR200JE	RW2S0CBR200JE	A	0.200	100	2.13	2.01	1.89	1.75	588-RW2S0CBR200JET	1.51
588-RW2S0CB1R00JE	RW2S0CB1R00JE	A	1.000	100	2.13	2.01	1.89	1.75	588-RW2S0CB1R00JET	1.51
3 Watts									REEL 1000	
588-RW3R0DBR005JE	RW3R0DBR005JE	A	0.005	200	2.14	2.01	1.94	1.88	588-RW3R0DBR005JET	1.60
588-RW3R0DBR010JE	RW3R0DBR010JE	A	0.010	200	2.14	2.01	1.94	1.88	588-RW3R0DBR010JET	1.60
588-RW3R0DBR015JE	RW3R0DBR015JE	A	0.015	200	2.14	2.01	1.94	1.88	588-RW3R0DBR015JET	1.60
588-RW3R0DBR036JE	RW3R0DBR036JE	A	0.036	200	2.14	2.01	1.94	1.88	588-RW3R0DBR036JET	1.60
588-RW3R0DBR050JE	RW3R0DBR050JE	A	0.050	200	2.14	2.01	1.94	1.88	588-RW3R0DBR050JET	1.60
588-RW3R0DBR100JE	RW3R0DBR100JE	A	0.100	200	2.28	2.15	2.01	1.90	588-RW3R0DBR100JET	1.81
588-RW3R0DB1R00JE	RW3R0DB1R00JE	A	1.000	200	2.28	2.15	2.01	1.90	588-RW3R0DB1R00JET	1.81
3.5 Watts									Reel 750	
588-RW3R5EAR010JE	RW3R5EAR010JE	B	0.010	350	2.13	2.01	1.89	1.75	588-RW3R5EAR010JET	1.51
588-RW3R5EAR025JE	RW3R5EAR025JE	B	0.025	350	2.13	2.01	1.89	1.75	588-RW3R5EAR025JET	1.51
588-RW3R5EAR050JE	RW3R5EAR050JE	B	0.050	350	2.13	2.01	1.89	1.75	588-RW3R5EAR050JET	1.51
588-RW3R5EAR100JE	RW3R5EAR100JE	B	0.100	350	2.28	2.15	2.02	1.87	588-RW3R5EAR100JET	1.62
588-RW3R5EAR200JE	RW3R5EAR200JE	B	0.200	350	2.28	2.15	2.02	1.87	588-RW3R5EAR200JET	1.62
588-RW3R5EA1R00JE	RW3R5EA1R00JE	B	1.000	350	2.28	2.15	2.02	1.87	588-RW3R5EA1R00JET	1.62
588-RW3R5EA7R50JE	RW3R5EA7R50JE	B	7.500	350	2.28	2.15	2.02	1.87	588-RW3R5EA7R50JET	1.62
588-RW3R5EA47R0JE	RW3R5EA47R0JE	B	47.000	350	2.28	2.15	2.02	1.87	588-RW3R5EA47R0JET	1.62

OHMITE 1% Wire Element Resistors - 2, 3 and 5 Watt

OHMITE.

10 SERIES LO-MITE MOLDED SILICONE

RoHS Compliant

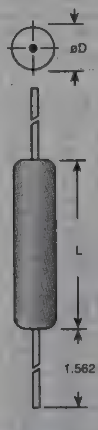
Specifications:

- Overload: 5 times rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000VRMS for 3W and 5W; 500VRMS for 2W
- Temperature range: -55°C to 275°C

Wattage	Dimensions (IN)		Lead Gauge
	L	øD	
2	.406	.094	20
3	.560	.205	20
5	.925	.330	18

Features:

- Ideal for current sensing application
- Low inductance (non-inductive below .25Ω)



2 Watts For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-12FR005E	0.005	1.58	1.44	1.28	1.20	1.18	1.15
588-12FR010E	0.010	1.58	1.44	1.28	1.20	1.18	1.15
588-12FR020E	0.020	1.58	1.44	1.28	1.20	1.18	1.15
588-12FR025E	0.025	1.57	1.43	1.27	1.19	1.17	1.14
588-12FR050E	0.050	1.48	1.34	1.20	1.13	1.11	1.07
588-12FR080E	0.080	1.58	1.44	1.28	1.20	1.18	1.15
588-12FR100E	0.100	1.73	1.56	1.39	1.31	1.29	1.26

3 Watts For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each					
		1	10	100	250	500	1000
588-13FR005E	0.005	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR010E	0.010	1.48	1.34	1.20	1.13	1.11	1.07
588-13FR020E	0.020	1.42	1.28	1.15	1.08	1.06	1.04
588-13FR025E	0.025	1.42	1.28	1.15	1.08	1.06	1.04
588-13FR050E	0.050	1.40	1.28	1.13	1.07	1.05	1.02
588-13FR070E	0.070	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR080E	0.080	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR100E	0.100	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR150E	0.150	1.57	1.43	1.27	1.19	1.17	1.14
588-13FR200E	0.200	1.57	1.43	1.27	1.19	1.17	1.14

5 Watts For quantities of 2000 and up, call for quote.

588-15FR005E	0.005	1.89	1.72	1.52	1.43	1.40	1.37
588-15FR010E	0.010	1.80	1.65	1.46	1.37	1.34	1.31
588-15FR020E	0.020	1.80	1.65	1.46	1.37	1.34	1.31
588-15FR025E	0.025	1.80	1.65	1.46	1.37	1.34	1.31
588-15FR050E	0.050	1.76	1.59	1.41	1.32	1.30	1.27
588-15FR080E	0.080	1.75	1.59	1.41	1.32	1.30	1.27
588-15FR100E	0.100	1.75	1.59	1.41	1.32	1.30	1.27
588-15FR200E	0.200	1.75	1.59	1.41	1.32	1.30	1.27
588-15FR250E	0.250	1.75	1.59	1.41	1.32	1.30	1.27

OHMITE Power Resistors

This page of product is compliant.

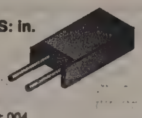
OHMITE TK/TN SERIES: THIN AND THICK FILM

NEW! TECHNOLOGY

Materials:

- Resistive element: Thick or thin film chip resistor
- Leads: Tin plated copper (100Sn)
- Heatsink plate: Black anodized aluminum
- Case: Ryton

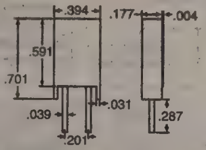
DIMENSIONS: in.



RoHS Compliant

Applications:

- Frquency Conversion
- High Frequency Balancing
- Snubber/Bleeder
- Power Supplies
- Industrial Controls
- Automotive Steering
- Pre-load/Damping
- Current Sense



Bracket for TK/TN Series

MOUSER STOCK NO.	Price Each
588-6200	.37

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Tol.	Price Each				
	*Value			1	10	25	50	100
Thin Film - 15 Watts								
588-TN15P	Code	4 - 7.5K	1%	4.16	4.01	3.75	3.33	3.11
588-TN15P	Code	10 - 10K	2%	4.16	4.01	3.75	3.33	3.11
Thick Film - 20 Watts								
588-TK20P	Code	0.03 - 10K	5%	3.26	3.15	2.96	2.61	2.39

*Insert Value Code from Table of Stocked Values.

Thin Film - 15 Watts / 1% Tolerance

Value	CODE	Value	CODE	Value	CODE	Value	CODE
4.0	4R00FE	40	40R0FE	400	400RFE	4000	4K00FE
5.0	5R00FE	50	50R0FE	500	500RFE	5000	5K00FE
7.5	7R50FE	75	75R0FE	750	750RFE	7500	7K50FE
30	30R0FE	300	300RFE	3000	3K00FE		

Thin Film - 15 Watts / 2% Tolerance

Value	CODE	Value	CODE	Value	CODE	Value	CODE
10	10R0GE	100	100RGE	1000	1K00GE	10000	10K0GE

Thick Film - 20 Watts / 5% Tolerance

Value	CODE	Value	CODE	Value	CODE	Value	CODE
0.040	R040JE	0.75	R750JE	40	40R0JE	750	750RJE
0.050	R050JE	1.0	1R00JE	50	50R0JE	1000	1K00JE
0.075	R075JE	3.0	3R00JE	75	75R0JE	3000	3K00JE
0.100	R100JE	4.0	4R00JE	100	100RJE	4000	4K00JE
0.30	R300JE	5.0	5R00JE	300	300RJE	5000	5K00JE
0.40	R400JE	7.5	7R50JE	400	400RJE	7500	7K50JE
0.50	R500JE	10	10R0JE	500	500RJE	10000	10K0JE

OHMITE TAH20P SERIES: 20 WATT

DIMENSIONS: in.

Features:

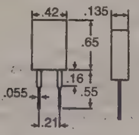
- High pulse tolerant design
- Non-Inductive design
- Resistor package is electrically isolated from heat sink
- Ready for use with snap-on style heat sinks

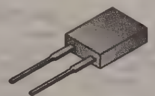
Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 20W @ 25°C
- Operating temperature range: -55°C to +175°C

Applications:

- Frequency conversion
- High Frequency balancing
- Snubbers





RoHS Compliant

Value	CODE	Value	CODE	Value	CODE
0.1	0.10-E	15	15-E	150	150-E
0.51	0.51-E	33	33-E	470	470-E
1.0	1.0-E	47	47-E	1000	1K-E
1.5	1.5-E	75	75-E	10000	10K-E
10	10-E	100	100-E		

*Insert Value Code from Table of Stocked Values.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Price Each			
	*Value		1	25	100	250
588-TAH20P-	Code	0.1 - 0.51	5.92	5.58	5.38	4.57
588-TAH20P-	Code	1.0 - 10K	5.33	4.73	4.32	3.67

OHMITE TBH25P SERIES: 25 WATT

DIMENSIONS: in.

Features:

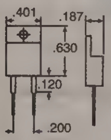
- Non-Inductive design
- Low Thermal Resistance
- Economically priced
- Designed for applications that require immediate heat sinkable power.

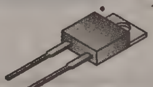
Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1000VDC
- Power rating: 25W @ 25°C
- Operating temperature range: -55°C to +150°C

Applications:

- Power supplies
- Industrial Controls
- Automotive Steering
- Snubber/Bleeder
- Pre-Load/Damping





RoHS Compliant

Value	CODE	Value	CODE	Value	CODE
2.0	2R00JE	33	33R0JE	240	240RJE
3.9	3R90JE	47	47R0JE	330	330RJE
7.5	7R50JE	75	75R0JE	470	470RJE
10	10R0JE	100	100RJE	1000	1K00JE
15	15R0JE	150	150RJE	1500	1K50JE
24	24R0JE				

*Insert Value Code from Table of Stocked Values.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Price Each			
	*Value		1	25	100	250
588-TBH25P	Code	2.0 - 15	5.24	4.73	4.20	3.58
588-TBH25P	Code	24 - 1.5K	5.14	4.64	4.12	3.50

OHMITE TCH35P SERIES: 35 WATT

DIMENSIONS: in.

Features:

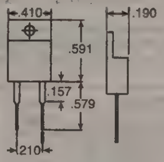
- Non-Inductive design
- Single screw mounting simplifies heat sink attachment
- Resistance element is electrically insulated from metal heat sink mounting tab

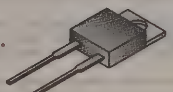
Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 35W @ 25°C
- Operating temperature range: -55°C to +150°C

Applications:

- Switching power supplies
- Snubbers
- High frequency
- Voltage regulation
- Low energy pulse loading





RoHS Compliant

Value	CODE	Value	CODE	Value	CODE	Value	CODE
0.1	0.1E	1.5	1.5E	33	33E	240	240E
0.24	0.24E	2.4	2.4E	39	39E	330	330E
0.33	0.33E	3.3	3.3E	47	47E	390	390E
0.39	0.39E	3.9	3.9E	51	51E	470	470E
0.47	0.47E	4.7	4.7E	75	75E	510	510E
0.51	0.51E	5.1	5.1E	100	100E	750	750E
0.75	0.75E	7.5	7.5E	150	150E	1K	1KE
1.0	1.0E	24	24E				

*Insert Value Code from Table of Stocked Values.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Price Each			
	*Value		1	25	100	250
588-TCH35P-	Code	0.1 - 0.75	7.46	6.72	6.21	5.28
588-TCH35P-	Code	1.0 - 1K	5.66	5.10	4.71	4.00

OHMITE TDH35P SERIES: 35 WATT

DIMENSIONS: in.

Features:

TO220 style package configuration for surface mounting applications

Molded case for environmental protection

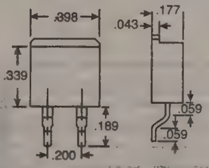
Resistor element is electrically insulated from the metal heat sink tab

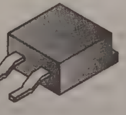
Specifications:

- Resistance tolerance: 5%
- Maximum operating voltage: 350V
- Dielectric strength: 1800VAC
- Power rating: 35W @ 25°C
- Operating temperature range: -55°C to +150°C
- Derating(thermal resistance): 0.23W/°K(4.28°K/W)

Applications:

- Switching power supplies
- Snubbers
- High frequency
- Voltage regulation
- Low energy pulse loading





RoHS Compliant

Value	CODE	Value	CODE	Value	CODE
0.1	R100JE	5.0	5R00JE	100	100RJE
0.15	R150JE	7.5	7R50JE	150	150RJE
0.47	R470JE	10	10R0JE	300	300RJE
0.75	R750JE	15	15R0JE	500	500RJE
1.0	1R00JE	20	20R0JE	1000	1K00JE
2.0	2R00JE	25	25R0JE	5000	5K00JE
3.0	3R00JE	47	47R0JE		

*Insert Value Code from Table of Stocked Values.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Value Range (Ω)	Price Each			
	*Value		1	25	100	250
588-TDH35P	Code	0.1 - 0.15	9.75	8.78	7.80	6.63
588-TDH35P	Code	0.47	7.95	7.16	6.36	5.41
588-TDH35P	Code	0.75 - 7.5	7.63	6.86	6.10	5.19
588-TDH35P	Code	10 - 5K	7.22	6.50	5.78	4.91

OHMITE 10% Ceramic Composition Resistors - 1 and 2 Watt

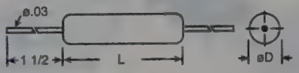
OX/OY SERIES

The OX/OY Series of fixed ceramic resistors are ideal for circuitry associated with surges, high peak power, or high energy. They offer enhanced performance in high voltage power supplies, R-C snubber circuits, and inrush limiters. The OX/OY resistors can often replace carbon composition resistors which can be difficult to source.

Features:
- Replaces 1 and 2 watt carbon composition resistors
- Meets high energy density demands
- High peak power

Specifications:
- Power Rating: Based on 70°C free air rating
- Resistance tolerance: ±10%
- Temp. coefficient: -1300 ±300ppm/ °C

Materials:
- Terminals: Solder-coated axial leads
- Coating: UL-94 V0 approved silicone
- Derating: Linear from 100% @ +70°C to 0% @ +200°C



RoHS Compliant

∗ Available in OY series only

Table of Values for OX and OY Series in (Ω)								
3.3	22	47	220	820	3.3K	12K	27K	100K
10	27	68	330	1K	4.7K	15K	33K	∗ 220K
12	33	100	470	1.5K	5.6K	18K	47K	∗ 1M
15	39	150	680	2.2K	10K	22K	68K	

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dielectric Withstanding	Dimensions (IN)		Price Each		
			L	øD	1	100	1000
OX, 1 Watt							
588-OX-Value-E	3.3 ~ 100K	500	0.748	0.256	.77	.62	.51
OY, 2 Watts							
588-OY-Value-E	3.3 ~ 100	700	0.886	0.315	1.00	.80	.65
588-OY-Value-E	150 ~ 100K	700	0.886	0.315	.94	.75	.63
588-OY-Value-E	220K ~ 1M	700	0.886	0.315	1.09	.87	.72

OHMITE Surge Capable Thick Film Resistors

TFS SERIES

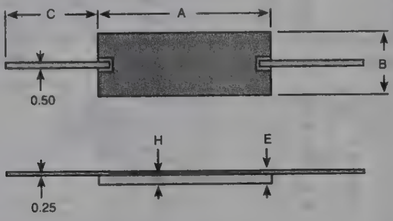
Features:
- Ideal for medical surge protection applications
- Ideal to replace standard carbon composition resistors

Specifications:

Material
- Resistive Element: Thick Film
- Encapsulation: Screen Printed Glass
- Temperature Coefficient: 100ppm/ °C
- Operating Temperature: -55°C to +200°C
- Test: VDE 0750 (Pulse Duration 10 msec)

Type	Dimensions: mm				
	A	B	C	H	E
TFSA	9	5.5	10	0.7	1.1
TFSC	13	5.5	10	0.7	1.1
TFSE	21	10.5	10	0.9	1.3

RoHS Compliant



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	U (KV)	Power V	Energy (J)	Price Each				
						1	25	50	100	250
588-TFSA270RJE	TFSA270RJE	270	3	0.5	6	**2.20**	**1.98**	**1.80**	**1.65**	**1.52**
588-TFSA680RJE	TFSA680RJE	680	3	0.5	6	**2.20**	**1.98**	**1.80**	**1.65**	**1.52**
588-TFSA1K50JE	TFSA1K50JE	1.5K	3	0.5	6	**2.20**	**1.98**	**1.80**	**1.65**	**1.52**
588-TFSA4K70JE	TFSA4K70JE	4.7K	3	0.5	6	**2.20**	**1.98**	**1.80**	**1.65**	**1.52**
588-TFSA27K0JE	TFSA27K0JE	27K	3	0.5	6	**2.20**	**1.98**	**1.80**	**1.65**	**1.52**
588-TFSA75K0JE	TFSA75K0JE	75K	3	0.5	6	**2.20**	**1.98**	**1.80**	**1.65**	**1.52**
588-TFSC270RJE	TFSC270RJE	270	4	0.75	11	**2.31**	**2.08**	**1.89**	**1.73**	**1.60**
588-TFSC680RJE	TFSC680RJE	680	4	0.75	11	**2.31**	**2.08**	**1.89**	**1.73**	**1.60**
588-TFSC1K50JE	TFSC1K50JE	1.5K	4	0.75	11	**2.31**	**2.08**	**1.89**	**1.73**	**1.60**
588-TFSC4K70JE	TFSC4K70JE	4.7K	4	0.75	11	**2.31**	**2.08**	**1.89**	**1.73**	**1.60**
588-TFSC27K0JE	TFSC27K0JE	27K	4	0.75	11	**2.31**	**2.08**	**1.89**	**1.73**	**1.60**
588-TFSC51K0JE	TFSC51K0JE	51K	4	0.75	11	**2.31**	**2.08**	**1.89**	**1.73**	**1.60**
588-TFSC100KJE	TFSC100KJE	100K	4	0.75	11	**2.31**	**2.08**	**1.89**	**1.73**	**1.60**
588-TFSE470RJE	TFSE470RJE	470	7	1.5	44	**3.49**	**3.14**	**2.86**	**2.62**	**2.42**
588-TFSE680RJE	TFSE680RJE	680	7	1.5	44	**3.49**	**3.14**	**2.86**	**2.62**	**2.42**
588-TFSE2K70JE	TFSE2K70JE	2.7K	7	1.5	44	**3.49**	**3.14**	**2.86**	**2.62**	**2.42**
588-TFSE6K80JE	TFSE6K80JE	6.8K	7	1.5	44	**3.49**	**3.14**	**2.86**	**2.62**	**2.42**
588-TFSE27K0JE	TFSE27K0JE	27K	7	1.5	44	**3.49**	**3.14**	**2.86**	**2.62**	**2.42**
588-TFSE75K0JE	TFSE75K0JE	75K	7	1.5	44	**3.49**	**3.14**	**2.86**	**2.62**	**2.42**

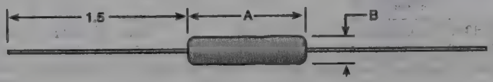
OHMITE 5% High Energy Wire Wound Resistors - 3, 5 and 10 Watt

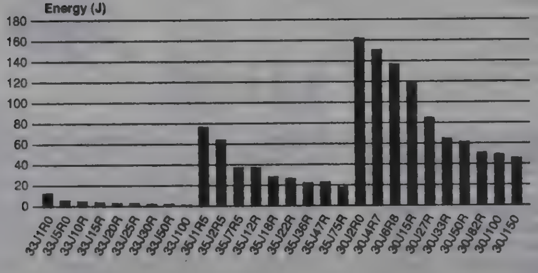
30 SERIES HIGH ENERGY WIREWOUND RESISTORS

Ohmite Manufacturing's family of High Energy Wirewound Resistors employ special winding techniques to maximize the effective joule rating of each resistor. Ohmite High Energy Wirewounds are hand wound in order to maintain the tightest possible pitch (space between windings) and thereby maximize the mass of the resistive element.

Wattage	VAC	Dimensions: In		Lead Gauge
		A	B	
3	200	0.593	0.218	20
5	460	0.937	0.343	18
10	1000	1.842	0.406	18

RoHS Compliant





3 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Values (Ω)	Price Each			
			1	10	50	100
588-33J1R0E	33J1R0E	1	**1.12**	**.93**	**.82**	**.77**
588-33J5R0E	33J5R0E	5	**1.12**	**.93**	**.82**	**.77**
588-33J10RE	33J10RE	10	**1.12**	**.93**	**.82**	**.77**
588-33J15RE	33J15RE	15	**1.12**	**.93**	**.82**	**.77**
588-33J20RE	33J20RE	20	**1.12**	**.93**	**.82**	**.77**
588-33J25RE	33J25RE	25	**1.12**	**.93**	**.82**	**.77**
588-33J30RE	33J30RE	30	**1.12**	**.93**	**.82**	**.77**
588-33J50RE	33J50RE	50	**1.12**	**.93**	**.82**	**.77**
588-33J100E	33J100E	100	**1.12**	**.93**	**.82**	**.77**

5 Watts

MOUSER STOCK NO.	Ohmite Part No.	Values (Ω)	1	10	50	100
588-35J1R5E	35J1R5E	1.5	**1.46**	**1.28**	**1.16**	**1.11**
588-35J2R5E	35J2R5E	2.5	**1.24**	**1.02**	**.89**	**.85**
588-35J7R5E	35J7R5E	7.5	**1.24**	**1.02**	**.89**	**.85**
588-35J12RE	35J12RE	12	**1.24**	**1.02**	**.89**	**.85**
588-35J18RE	35J18RE	18	**1.24**	**1.02**	**.89**	**.85**
588-35J22RE	35J22RE	22	**1.24**	**1.02**	**.89**	**.85**
588-35J36RE	35J36RE	36	**1.24**	**1.02**	**.89**	**.85**
588-35J47RE	35J47RE	47	**1.24**	**1.02**	**.89**	**.85**
588-35J75RE	35J75RE	75	**1.24**	**1.02**	**.89**	**.85**

10 Watts

MOUSER STOCK NO.	Ohmite Part No.	Values (Ω)	1	10	50	100
588-30J2R0E	30J2R0E	2	**1.60**	**1.32**	**1.18**	**1.10**
588-30J4R7E	30J4R7E	4.7	**1.60**	**1.32**	**1.18**	**1.10**
588-30J6R8E	30J6R8E	6.8	**1.60**	**1.32**	**1.18**	**1.10**
588-30J15RE	30J15RE	15	**1.60**	**1.32**	**1.18**	**1.10**
588-30J27RE	30J27RE	27	**1.60**	**1.32**	**1.18**	**1.10**
588-30J33RE	30J33RE	33	**1.60**	**1.32**	**1.18**	**1.10**
588-30J50RE	30J50RE	50	**1.60**	**1.32**	**1.18**	**1.10**
588-30J82RE	30J82RE	82	**1.60**	**1.32**	**1.18**	**1.10**
588-30J100E	30J100E	100	**1.60**	**1.32**	**1.18**	**1.10**
588-30J150E	30J150E	150	**1.60**	**1.32**	**1.18**	**1.10**

OHMITE 1% Silicone Coated Wirewound - 1, 3, and 5 Watt

40 SERIES

Features:
- Welded construction
- Silicone coating and molding

Specifications:
- Resistance tolerance: ±1%
- Dielectric strength:1000V
- Insulation resistance: 1000MΩ
- Temperature coefficient: 1-3W, 50ppm / 5W, 20ppm

Cross Reference Chart

Ohmite	Clarostat	Huntington
41F	SC1A	ALSR-1
43F	SC3D	ALSR-3
45F	SC5E	ALSR-5

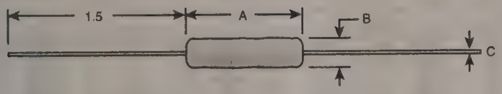


Table of Values in (Ω)

0.1	0.5	5.0	22	50	150	330	750	3K	8K
0.13	0.75	7.5	25	56	180	350	1K	3.9K	10K
0.15	1.0	10	27	68	200	470	1.2K	4K	12.5K
0.2	1.5	12	30	75	220	500	1.5K	4.7K	15K
0.25	2.0	15	33	82	250	560	2K	5K	20K
0.3	3.0	18	39	100	270	600	2.2K	6.8K	25K
0.33	4.0	20	40	120	300	680	2.5K	7.5K	

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions (IN) max.			Price Each			
		A	B	C	1	25	100	250
1 Watt								
588-41F-Value	0.1 - 0.75	.44	.13	24 Ga.	2.43	2.07	1.83	1.58
588-41F-Value	1.0 - 7.5	.44	.13	24 Ga.	2.35	2.02	1.77	1.52
588-41F-Value	10 - 82	.44	.13	24 Ga.	2.03	1.83	1.52	1.32
588-41F-Value	100 - 470	.44	.13	24 Ga.	2.28	1.99	1.71	1.48
588-41F-Value	500 - 900	.44	.13	24 Ga.	2.51	2.15	1.89	1.63
588-41F-Value	1K - 1.5K	.44	.13	24 Ga.	2.86	2.57	2.13	1.84
588-41F-Value	2K - 3K	.44	.13	24 Ga.	3.43	2.93	2.59	2.24
3 Watt								
588-43F-Value	0.1 - 0.75	.59	.22	20 Ga.	1.85	1.68	1.39	1.20
588-43F-Value	1.0 - 7.5	.59	.22	20 Ga.	1.48	1.27	1.11	.97
588-43F-Value	10 - 82	.59	.22	20 Ga.	1.23	1.05	.92	.79
588-43F-Value	100 - 750	.59	.22	20 Ga.	1.10	.95	.83	.72
588-43F-Value	1K - 1.5K	.59	.22	20 Ga.	1.28	1.16	.92	.82
588-43F-Value	2K - 2.5K	.59	.22	20 Ga.	1.68	1.51	1.27	1.08
588-43F-Value	3K - 4.7K	.59	.22	20 Ga.	2.00	1.81	1.45	1.29
588-43F-Value	5K - 6.8K	.59	.22	20 Ga.	2.43	2.07	1.83	1.58
588-43F-Value	7.5K - 10K	.59	.22	20 Ga.	2.51	2.15	1.89	1.63
5 Watt								
588-45F-Value	0.1 - 0.75	.94	.34	18 Ga.	2.08	1.85	1.56	1.33
588-45F-Value	1.0 - 7.5	.94	.34	18 Ga.	1.46	1.31	1.05	.94
588-45F-Value	10 - 82	.94	.34	18 Ga.	1.28	1.16	.92	.82
588-45F-Value	100 - 750	.94	.34	18 Ga.	1.23	1.05	.92	.79
588-45F-Value	1K - 2.5K	.94	.34	18 Ga.	1.41	1.27	1.01	.90
588-45F-Value	3K - 6.8K	.94	.34	18 Ga.	1.63	1.47	1.19	1.06
588-45F-Value	7.5K - 8K	.94	.34	18 Ga.	2.15	1.93	1.60	1.40
588-45F-Value	10K - 15K	.94	.34	18 Ga.	2.28	1.99	1.71	1.48
588-45F-Value	20K - 25K	.94	.34	18 Ga.	2.81	2.45	2.11	1.83

RoHS Compliant

RoHS Compliant Codes

Code	Value (Ω)	Code	Value (ohm)	Code	Value (Ω)	Code	Value (Ω)	Code	Value (Ω)
R10E	0.1	R20E	20	125E	125	680E	680	5K0E	5K
R15E	0.15	22RE	22	150E	150	750E	750	6K8E	6.8K
R30E	0.3	25RE	25	180E	180	800E	800	7K5E	7.5K
R40E	0.4	27RE	27	200E	200	820E	820	8K0E	8K
R50E	0.5	30RE	30	220E	220	900E	900	10KE	10K
R75E	0.75	33RE	33	225E	225	1K0E	1K	15KE	15K
1R0E	1	35RE	35	250E	250	1K1E	1.1K	20KE	20K
1R5E	1.5	39RE	39	270E	270	1K2E	1.2K	25KE	25K
2R0E	2	40RE	40	300E	300	1K5E	1.5K		
2R2E	2.2	47RE	47	330E	330	1K8E	1.8K		
3R0E	3	50RE	50	350E	350	2K0E	2K		
4R0E	4	56RE	56	390E	390	2K2E	2.2K		
5R0E	5	62RE	62	400E	400	2K5E	2.5K		
7R5E	7.5	68RE	68	450E	450	2K7E	2.7K		
10RE	10	75RE	75	470E	470	3K0E	3K		
12RE	12	82RE	82	500E	500	3K9E	3.9K		
15RE	15	100E	100	560E	560	4K0E	4K		
18RE	18	120E	120	600E	600	4K7E	4.7K		

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions (IN) max.			Price Each			
		A	B	C	1	25	100	250
1 Watt								
588-41F-Code	0.1 - 0.75	0.44	0.13	24 Ga.	2.43	2.07	1.83	1.58
588-41F-Code	1.0 - 7.5	0.44	0.13	24 Ga.	2.35	2.02	1.77	1.52
588-41F-Code	10 - 82	0.44	0.13	24 Ga.	1.92	1.63	1.44	1.25
588-41F-Code	100 - 470	0.44	0.13	24 Ga.	2.28	1.99	1.71	1.48
588-41F-Code	500 - 900	0.44	0.13	24 Ga.	2.51	2.15	1.89	1.63
588-41F-Code	1K - 1.5K	0.44	0.13	24 Ga.	2.86	2.57	2.13	1.84
588-41F-Code	2K - 3K	0.44	0.13	24 Ga.	3.43	2.93	2.59	2.24
3 Watt								
588-43F-Code	0.1 - 0.75	0.59	0.22	20 Ga.	1.85	1.68	1.39	1.20
588-43F-Code	1.0 - 7.5	0.59	0.22	20 Ga.	1.48	1.27	1.11	.97
588-43F-Code	10 - 82	0.59	0.22	20 Ga.	1.23	1.05	.92	.79
588-43F-Code	100 - 750	0.59	0.22	20 Ga.	1.10	.95	.83	.72
588-43F-Code	1K - 1.5K	0.59	0.22	20 Ga.	1.28	1.16	.92	.82
588-43F-Code	2K - 2.5K	0.59	0.22	20 Ga.	1.68	1.51	1.27	1.08
588-43F-Code	3K - 4.7K	0.59	0.22	20 Ga.	2.00	1.81	1.45	1.29
588-43F-Code	5K - 6.8K	0.59	0.22	20 Ga.	2.43	2.07	1.83	1.58
588-43F-Code	7.5K - 10K	0.59	0.22	20 Ga.	2.51	2.15	1.89	1.63
5 Watt								
588-45F-Code	0.1 - 0.75	0.94	0.34	18 Ga.	2.08	1.85	1.56	1.33
588-45F-Code	1.0 - 7.5	0.94	0.34	18 Ga.	1.46	1.31	1.05	.94
588-45F-Code	10 - 82	0.94	0.34	18 Ga.	1.28	1.16	.92	.82
588-45F-Code	100 - 750	0.94	0.34	18 Ga.	1.23	1.05	.92	.79
588-45F-Code	1K - 2.5K	0.94	0.34	18 Ga.	1.41	1.27	1.01	.90
588-45F-Code	3K - 6.8K	0.94	0.34	18 Ga.	1.63	1.47	1.19	1.06
588-45F-Code	7.5K - 8K	0.94	0.34	18 Ga.	2.15	1.93	1.60	1.40
588-45F-Code	10K - 15K	0.94	0.34	18 Ga.	2.28	1.99	1.71	1.48
588-45F-Code	20K - 25K	0.94	0.34	18 Ga.	2.81	2.45	2.11	1.83

OHMITE High Voltage Thick Film

MC SERIES

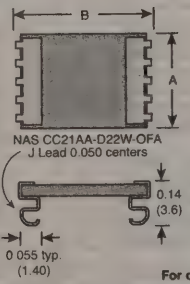
Features:
- Non-inductive design
- Low Voltage coefficient
- Pd Ag terminations
- J-bend terminals for applications involving shock and vibration

Applications:
- Medical instrumentation
- Power supplies
- Avionics
- Light Magnification Systems

Specifications:

Material
- Resistor: Thick film on Alumina

Electrical
- Resistance range: 100Ω to 5,000 MΩ
- Power Rating: 0.5W to 2.0W
- Voltage rating: 2.0KV to 10.0KV
- Tolerance: 0.5% to 20%
- Operating Temperature: -55°C to +180°C



Series	Dimensions: In (mm)		
	A	B	B Max.
MC102	0.25" (6.35)	0.50" (12.70)	0.54" (13.72)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power	Tol. %	Temp Coef.	Price Each					
						1	10	50	100	250	500
588-MC102521003JE	MC102521003JE	100K	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102521503JE	MC102521503JE	150K	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102525003JE	MC102525003JE	500K	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102527503JE	MC102527503JE	750K	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102521004JE	MC102521004JE	1M	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102521504JE	MC102521504JE	1.5M	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102525004JE	MC102525004JE	2.5M	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102521005JE	MC102521005JE	10M	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102525005JE	MC102525005JE	50M	1.5W	5%	50 ppm	3.25	3.15	2.80	2.42	2.33	2.25
588-MC102521006JE	MC102521006JE	100M	1.5W	5%	100 ppm	3.25	3.15	2.80	2.42	2.33	2.25

OHMITE 1% Metal Oxide Axial High Voltage Resistors

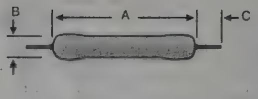
OHMITE.

MINI-MOX SERIES

Features:
- Wide resistance ranges
- Silicone or epoxy coating
- Metal oxide resistive element
- Works well in precision circuits

Specifications:
- Resistance Tolerance: 1%
- Voltage Rating: 1KV to 5KV
- Power Rating: .5W to 1W @ 25°C
- Operating Temperature Range: -55°C to +220°C

Applications:
- Avionics
- Medical electronics
- High gain feedback applications
- Current pulse limiters
- Vacuum and space application



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power	Tol. %	Dimensions: in.			Lead Dia. (IN)	Price Each				
					A	B	C		1	10	50	100	250
500V													
588-MOX-200001005FE	MOX-200001005FE	10M	.25W	1%	0.26	0.09	1.3	0.02	2.49	2.12	1.80	1.13	.80
588-MOX-200002505FE	MOX-200002505FE	25M	.25W	1%	0.26	0.09	1.3	0.02	3.06	2.60	2.21	1.35	.98
588-MOX-200005005FE	MOX-200005005FE	50M	.25W	1%	0.26	0.09	1.3	0.02	4.70	4.00	3.40	1.71	1.50
588-MOX-200001006FE	MOX-200001006FE	100M	.25W	1%	0.26	0.09	1.3	0.02	5.88	5.00	4.25	2.10	1.88
588-MOX-200001005JE	MOX-200001005JE	10M	.25W	5%	0.26	0.09	1.3	0.02	2.07	1.76	1.50	.90	.66
588-MOX-200002505JE	MOX-200002505JE	25M	.25W	5%	0.26	0.09	1.3	0.02	3.29	2.80	2.38	1.13	1.05
588-MOX-200005005JE	MOX-200005005JE	50M	.25W	5%	0.26	0.09	1.3	0.02	4.18	3.56	3.03	1.51	1.34
588-MOX-200001006JE	MOX-200001006JE	100M	.25W	5%	0.26	0.09	1.3	0.02	6.02	5.12	4.35	2.04	1.92
588-MOX-200001007JE	MOX-200001007JE	1000M	.25W	5%	0.26	0.09	1.3	0.02	6.58	5.60	4.76	2.74	2.10
1KV													
588-MOX-300001004FE	MOX-300001004FE	1M	0.50W	1%	0.354	0.13	1.3	0.03	3.25	2.87	2.07	1.80	1.52
588-MOX-300002004FE	MOX-300002004FE	2M	0.50W	1%	0.354	0.13	1.3	0.03	3.25	2.87	2.07	1.80	1.52
588-MOX-300005004FE	MOX-300005004FE	5M	0.50W	1%	0.354	0.13	1.3	0.03	3.25	2.87	2.07	1.80	1.52
588-MOX-300001505FE	MOX-300001505FE	15M	0.50W	1%	0.354	0.13	1.3	0.03	3.25	2.87	2.07	1.80	1.52
588-MOX-300002505FE	MOX-300002505FE	25M	0.50W	1%	0.354	0.13	1.3	0.03	4.23	2.99	2.25	1.86	1.82
588-MOX-300005005FE	MOX-300005005FE	50M	0.50W	1%	0.354	0.13	1.3	0.03	4.23	2.99	2.25	1.86	1.82
588-MOX-300001506FE	MOX-300001506FE	150M	0.50W	1%	0.354	0.13	1.3	0.03	4.23	2.99	2.25	1.86	1.82
588-MOX-300002506FE	MOX-300002506FE	250M	0.50W	1%	0.354	0.13	1.3	0.03	4.23	2.99	2.25	1.86	1.82
2.5KV													
588-MOX-400235004FE	MOX-400235004FE	5M	0.75W	1%	0.58	0.165	1.5	0.02	5.14	3.65	2.95	2.64	2.21
588-MOX-400232505FE	MOX-400232505FE	25M	0.75W	1%	0.58	0.165	1.5	0.02	5.14	3.65	2.95	2.64	2.21
588-MOX-400235005FE	MOX-400235005FE	50M	0.75W	1%	0.58	0.165	1.5	0.02	5.14	3.65	2.95	2.64	2.21
588-MOX-400231506FE	MOX-400231506FE	150M	0.75W	1%	0.58	0.165	1.5	0.02	5.14	3.65	2.95	2.64	2.21
588-MOX-400232006FE	MOX-400232006FE	200M	0.75W	1%	0.58	0.165	1.5	0.02	5.14	3.65	2.95	2.64	2.21
588-MOX-400235006FE	MOX-400235006FE	500M	0.75W	1%	0.58	0.165	1.5	0.02	7.55	5.05	4.09	3.55	3.25
5KV													
588-MOX-750232505FE	MOX-750232505FE	25M	1.00W	1%	0.88	0.165	1.5	0.02	5.66	4.34	3.43	2.77	2.52
588-MOX-750237505FE	MOX-750237505FE	75M	1.00W	1%	0.88	0.165	1.5	0.02	5.66	4.34	3.43	2.77	2.52
588-MOX-750232506FE	MOX-750232506FE	250M	1.00W	1%	0.88	0.165	1.5	0.02	5.66	4.34	3.43	2.77	2.52
588-MOX-750237506FE	MOX-750237506FE	750M	1.00W	1%	0.88	0.165	1.5	0.02	5.66	4.34	3.43	2.77	2.52
588-MOX-750231007FE	MOX-750231007FE	1000M	1.00W	1%	0.88	0.165	1.5	0.02	5.66	4.34	3.43	2.77	2.52

OHMITE 1% Metal Oxide Planar Resistors 1/2 Watt - 2.5 Watt

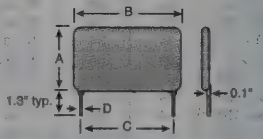
OHMITE.

SLIM-MOX SERIES

Features:
- High dielectric and low out gassing epoxy coating
- Low resistor noise
- Non Inductive

Specifications:
- Resistance Tolerance: 1%
- Voltage Rating: 1KV to 20KV
- Power Rating Range: .5W to 2.5 watts @ 25°C
- Operating Temperature Range: -55°C to +110°C

Applications:
- High Voltage Power Supplies
- Medical Instrumentation
- Current pulse limiters
- Ionization Chambers



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Power @ 25°C	Dimensions: in.				Price Each				
				A	B	C	D	1	10	50	100	250
2KV												
588-SM101031003FE	SM101031003FE	100K	.5W	0.34	0.33	0.2	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101031004FE	SM101031004FE	1M	.5W	0.34	0.33	0.2	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101031504FE	SM101031504FE	1.5M	.5W	0.34	0.33	0.2	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101035004FE	SM101035004FE	5M	.5W	0.34	0.33	0.2	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101031505FE	SM101031505FE	15M	.5W	0.34	0.33	0.2	0.025	3.35	2.67	2.38	1.98	1.46
588-SM101035005FE	SM101035005FE	50M	.5W	0.34	0.33	0.2	0.025	3.35	2.67	2.38	1.98	1.46
7.5KV												
588-SM103031004FE	SM103031004FE	1M	1.25W	0.34	0.83	0.6	0.032	3.54	2.85	2.53	2.11	1.55
588-SM103035004FE	SM103035004FE	5M	1.25W	0.34	0.83	0.6	0.032	3.54	2.85	2.53	2.11	1.55
588-SM103032005FE	SM103032005FE	20M	1.25W	0.34	0.83	0.6	0.032	3.54	2.85	2.53	2.11	1.55
588-SM103031006FE	SM103031006FE	100M	1.25W	0.34	0.83	0.6	0.032	3.54	2.85	2.53	2.11	1.55
588-SM103031506FE	SM103031506FE	150M	1.25W	0.34	0.83	0.6	0.032	3.54	2.85	2.53	2.11	1.55
15KV												
588-SM106031004FE	SM106031004FE	1M	2.0W	0.34	1.58	1.4	0.032	4.20	3.29	2.93	2.44	1.88
588-SM106032004FE	SM106032004FE	2M	2.0W	0.34	1.58	1.4	0.032	4.20	3.29	2.93	2.44	1.88
588-SM106031006FE	SM106031006FE	100M	2.0W	0.34	1.58	1.4	0.032	4.38	3.80	3.29	2.76	1.88
588-SM106032006FE	SM106032006FE	200M	2.0W	0.34	1.58	1.4	0.032	4.20	3.29	2.93	2.44	1.88
588-SM106031007FE	SM106031007FE	1000M	2.0W	0.34	1.58	1.4	0.032	4.20	3.29	2.93	2.44	1.88
20KV												
588-SM108031003FE	SM108031003FE	100K	2.5W	0.34	2.08	1.9	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108035003FE	SM108035003FE	500K	2.5W	0.34	2.08	1.9	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108031004FE	SM108031004FE	1M	2.5W	0.34	2.08	1.9	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108035004FE	SM108035004FE	5M	2.5W	0.34	2.08	1.9	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108032005FE	SM108032005FE	20M	2.5W	0.34	2.08	1.9	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108037505FE	SM108037505FE	75M	2.5W	0.34	2.08	1.9	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108031506FE	SM108031506FE	150M	2.5W	0.34	2.08	1.9	0.032	4.84	3.73	3.31	2.76	2.21
588-SM108031507FE	SM108031507FE	1500M	2.5W	0.34	2.08	1.9	0.032	4.84	3.73	3.31	2.76	2.21

OHMITE 5% Vitreous Enamel Coated Resistors - 3, 5 and 10 Watt

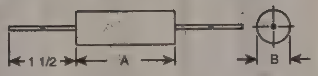
OHMITE.

20 SERIES AXIAL LEAD WIREWOUND RESISTORS

Features:
- Enamel coating
- Welded terminations
- Low temperature coefficient

RoHS Compliant

Specifications:
- Resistance tolerance: ±5%
- Temperature coefficient 0.1 to 7.5Ω: ±50 ppm
  10Ω and over: ±30 ppm
- For units below 1Ω, add 15% to body diameter, 10% to body length



DIMENSIONS: in.

✻ All values not available in all sizes

Table of Values 20 Series in (Ω)

Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
0.1	R10E	27	27RE	330	330E	2.7K	2K7E
0.13	R13E	30	30RE	350	350E	3K	3K0E
0.15	R15E	33	33RE	390	390E	3.3K	3K3E
0.2	R20E	35	35RE	400	400E	3.5K	3K5E
0.3	R30E	39	39RE	450	450E	3.9K	3K9E
0.33	R33E	40	40RE	470	470E	4K	4K0E
0.5	R50E	47	47RE	500	500E	4.5K	4K5E
0.75	R75E	50	50RE	560	560E	4.7K	4K7E
1	1R0E	56	56RE	600	600E	5K	5K0E
1.5	1R5E	68	68RE	680	680E	6K	6K0E
2	2R0E	75	75RE	750	750E	6.8K	6K8E
3	3R0E	82	82RE	800	800E	7K	7K0E
4	4R0E	100	100E	820	820E	7.5K	7K5E
5	5R0E	120	120E	900	900E	8K	8K0E
7.5	7R5E	125	125E	1K	1K0E	9K	9K0E
10	10RE	150	150E	1.1K	1K1E	10K	10KE
12	12RE	180	180E	1.2K	1K2E	12K	12KE
15	15RE	200	200E	1.5K	1K5E	15K	15KE
18	18RE	220	220E	1.8K	1K8E	20K	20KE
20	20RE	225	225E	2K	2K0E	22K	22KE
22	22RE	250	250E	2.2K	2K2E	25K	25KE
25	25RE	300	300E	2.5K	2K5E		

3 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in.		Price Each			
		A	B	1	50	100	250
588-23J-Code	0.1 - 0.33	0.5	0.22	1.82	1.55	1.37	1.18
588-23J-Code	0.5 - 7.5	0.5	0.22	1.30	1.10	.98	.84
588-23J-Code	10 - 82	0.5	0.22	1.15	.99	.88	.77
588-23J-Code	100 - 450	0.5	0.22	1.03	.90	.80	.68
588-23J-Code	470 - 900	0.5	0.22	1.14	.97	.86	.74
588-23J-Code	1K - 4.7K	0.5	0.22	1.53	1.32	1.17	1.07
588-23J-Code	5K - 7K	0.5	0.22	1.99	1.70	1.50	1.29
588-23J-Code	7.5K - 10K	0.5	0.22	2.32	1.98	1.74	1.51

5 Watts

For quantities of 500 and up, call for quote.

588-25J-Code	0.1 - 7.5	0.91	0.28	1.62	1.40	1.23	1.06
588-25J-Code	10 - 82	0.91	0.28	1.47	1.24	1.11	.96
588-25J-Code	100 - 470	0.91	0.28	1.25	1.07	.94	.81
588-25J-Code	500 - 900	0.91	0.28	1.38	1.22	1.07	.93
588-25J-Code	1K - 4.7K	0.91	0.28	1.70	1.44	1.29	1.11
588-25J-Code	5K - 9K	0.91	0.28	2.14	1.81	1.60	1.38
588-25J-Code	10K - 15K	0.91	0.28	2.37	2.03	1.79	1.54
588-25J-Code	20K - 25K	0.91	0.28	2.80	2.38	2.10	1.82

10 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in.		Price Each			
		A	B	1	50	100	250
588-20J-Code	0.1 - 7.5	1.84	0.35	2.01	1.71	1.51	1.30
588-20J-Code	10 - 82	1.84	0.35	1.84	1.57	1.38	1.19
588-20J-Code	100 - 900	1.84	0.35	1.62	1.38	1.22	1.05
588-20J-Code	1K - 2.5K	1.84	0.35	1.98	1.69	1.49	1.29
588-20J-Code	3K - 4.7K	1.84	0.35	2.25	1.92	1.69	1.47
588-20J-Code	5K - 9K	1.84	0.35	2.60	2.22	1.95	1.69
588-20J-Code	10K - 20K	1.84	0.35	2.96	2.53	2.23	1.92
588-20J-Code	25K	1.84	0.35	3.25	2.76	2.44	2.11

OHMITE 5% Vitreous Enamel Molded Wirewound - 3 1/4, 5, and 11 Watt

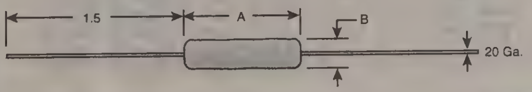
OHMITE.

90 SERIES

Features:
- Molded construction provides consistent shape and size (permits mounting in clips which extends power rating)
- Flame resistant lead free vitreous enamel coating
- All welded construction
- Ready for use with snap-on style heat sinks

Specifications:
- Resistance tolerance: 5%
- Overload:
  3 and 5 watts: 5 times rated wattage for 5 seconds
  11 watts: 10 times rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000 VAC

DIMENSIONS: in.



RoHS Compliant

For quantities of 1000 and up, call for quote.

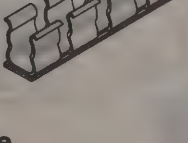
MOUSER STOCK NO.	Ohmite Part No.	Values (Ω)	Dimensions: in.		Price Each				
			A	B	1	25	100	250	500
3 1/4 Watt									
588-93J1R0E	93J1R0E	1.0	.56	.23	2.10	1.69	1.65	1.59	1.54
588-93J2R0E	93J2R0E	2.0	.56	.23	2.10	1.69	1.65	1.59	1.54
588-93J5R0E	93J5R0E	5.0	.56	.23	2.10	1.69	1.65	1.59	1.54
588-93J10RE	93J10RE	10	.56	.23	1.78	1.44	1.40	1.34	1.31
588-93J50RE	93J50RE	50	.56	.23	1.78	1.44	1.40	1.34	1.31
588-93J100E	93J100E	100	.56	.23	1.78	1.44	1.40	1.34	1.31
588-93J200E	93J200E	200	.56	.23	1.78	1.44	1.40	1.34	1.31
588-93J500E	93J500E	500	.56	.23	2.24	1.92	1.80	1.70	1.63
588-93J750E	93J750E	750	.56	.23	2.24	1.92	1.80	1.70	1.63
588-93J1K0E	93J1K0E	1K	.56	.23	2.58	2.14	2.08	2.02	1.95
588-93J2K0E	93J2K0E	2K	.56	.23	2.58	2.14	2.08	2.02	1.95
588-93J5K0E	93J5K0E	5K	.56	.23	3.54	3.15	2.83	2.65	2.55
588-93J10KE	93J10KE	10K	.56	.23	3.54	3.15	2.83	2.65	2.55
5 Watt									
588-95J1R0E	95J1R0E	1.0	.95	.23	2.89	2.66	1.96	1.91	1.84
588-95J2R0E	95J2R0E	2.0	.95	.23	2.89	2.66	1.96	1.91	1.84
588-95J5R0E	95J5R0E	5	.95	.23	2.89	2.66	1.96	1.91	1.84
588-95J10RE	95J10RE	10	.95	.23	2.24	1.92	1.80	1.70	1.63
588-95J33RE	95J33RE	33	.95	.23	2.24	1.92	1.80	1.70	1.63
588-95J50RE	95J50RE	50	.95	.23	2.24	1.92	1.80	1.70	1.63
588-95J100E	95J100E	100	.95	.23	2.24	1.92	1.80	1.70	1.63
588-95J200E	95J200E	200	.95	.23	2.24	1.92	1.80	1.70	1.63
588-95J500E	95J500E	500	.95	.23	2.72	2.56	2.19	2.07	1.99
588-95J600E	95J600E	600	.95	.23	2.72	2.56	2.19	2.07	1.99

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Values (Ω)	Dimensions: in.		Price Each				
			A	B	1	25	100	250	500
5 Watt (cont.)									
588-95J750E	95J750E	750	.95	.23	2.72	2.56	2.19	2.07	1.99
588-95J1K0E	95J1K0E	1K	.95	.23	2.56	2.35	2.17	2.12	2.06
588-95J2K0E	95J2K0E	2K	.95	.23	2.56	2.35	2.17	2.12	2.06
588-95J5K0E	95J5K0E	5K	.95	.23	4.48	3.98	3.61	3.53	3.38
588-95J10KE	95J10KE	10K	.95	.23	4.48	3.98	3.61	3.53	3.38
588-95J15KE	95J15KE	15K	.95	.23	4.48	3.98	3.61	3.53	3.38
588-95J20KE	95J20KE	20K	.95	.23	4.87	4.43	4.13	4.03	3.87
11 Watt									
588-90J1R0E	90J1R0E	1.0	1.80	.34	3.47	3.10	2.85	2.61	2.49
588-90J2R7E	90J2R7E	2.7	1.80	.34	3.47	3.10	2.85	2.61	2.49
588-90J3R9E	90J3R9E	3.9	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J5R0E	90J5R0E	5.0	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J7R5E	90J7R5E	7.5	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J10RE	90J10RE	10	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J20RE	90J20RE	20	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J47RE	90J47RE	47	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J50RE	90J50RE	50	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J100E	90J100E	100	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J120E	90J120E	120	1.80	.34	3.17	2.82	2.61	2.37	2.30
588-90J2K0E	90J2K0E	2K	1.80	.34	4.16	3.70	3.47	3.14	2.87
588-90J5K0E	90J5K0E	5K	1.80	.34	5.27	4.66	4.35	3.95	3.82
588-90J20KE	90J20KE	20K	1.80	.34	6.20	5.52	5.18	5.01	4.70
588-90J27KE	90J27KE	27K	1.80	.34	6.20	5.47	5.18	5.01	4.70
588-90J50KE	90J50KE	50K	1.80	.34	6.20	5.47	5.18	5.01	4.70

RESISTOR MOUNTING CLIPS

Features:
- Prevents severe vibration or mechanical shock to resistor
- Increase resistor wattage up to 100% when mounted on a metal surface
- Holes in clip base permit fastening to chassis with machine screws, eyelets or rivets



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Mounting Clip For	Dimensions: in.			Price Each		
		L	W	H	1	10	100
588-5904E	93J series	.50	.26	.319	1.60	1.43	1.27
588-5906E	95J series	.90	.24	.284	1.20	1.08	.96
588-5908E	90J series	1.75	.33	.377	1.20	1.10	.99

OHMITE Fixed Vitreous Enamel Power Resistors - 8 Watt to 225 Watt

Cross Reference Chart

Ohmite	Clarostat	Huntington
B8J	VPR5F	FVTS-5
B12J	VPR10F	FVTS-10
L25J	VP25K	FVT-25
L50J	VP50K	FVT-50
L100J	VK100N	FVT-100
L225J	VK200W	FVT-200

Features:
- Welded terminals
- Excellent heat dissipation
- Vitreous enamel coated

Table of Stocked Values

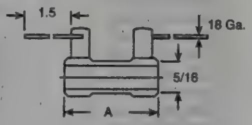
Value	Value Code	Value	Value Code	Value	Value Code	Value	Value Code
1	1R0E	75	75RE	750	750E	7.5K	7K5E
2	2R0E	100	100E	1K	1K0E	8K	8K0E
3	3R0E	125	125E	1.5K	1K5E	10K	10KE
4	4R0E	150	150E	2K	2K0E	15K	15KE
5	5R0E	200	200E	2.5K	2K5E	20K	20KE
7.5	7R5E	250	250E	3K	3K0E	25K	25KE
10	10RE	300	300E	3.5K	3K5E	40K	40KE
25	25RE	400	400E	4K	4K0E	50K	50KE
35	35RE	450	450E	5K	5K0E	100K	100KE
50	50RE	500	500E	6K	6K0E		

200 SERIES LUG AND LEAD FIXED RESISTORS

Specifications:
- Resistance tolerance: > 1Ω: ±10%
  < 1Ω: ±5%
- Temperature coefficient: < 5: ±260
  > 5: ±400

DIMENSIONS: In.

RoHS Compliant



8 Watts (Uses bracket 588-5) For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dim.: in. A	Price Each 1	25	100	250
588-B8J-Code	1.0 - 7.5	1	3.02	2.71	2.41	2.12
588-B8J-Code	10 - 500	1	2.92	2.62	2.33	2.05
588-B8J-Code	1K - 1.5K	1	2.70	2.43	2.16	1.90
588-B8J-Code	2K - 5K	1	2.77	2.49	2.21	1.94
588-B8J-Code	10K - 15K	1	2.99	2.70	2.39	2.10
588-B8J-Code	20K	1	3.51	3.16	2.81	2.46

12 Watts (Uses bracket 588-5) For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dim.: in. A	Price Each 1	25	100	250
588-B12J-Code	1.0 - 7.5	1 3/4	2.92	2.62	2.33	2.05
588-B12J-Code	10 - 500	1 3/4	2.58	2.32	2.07	1.81
588-B12J-Code	1K - 1.5K	1 3/4	2.81	2.52	2.25	1.97
588-B12J-Code	2K - 3K	1 3/4	2.88	2.59	2.30	2.02
588-B12J-Code	5K - 8K	1 3/4	3.02	2.71	2.41	2.12
588-B12J-Code	10K - 15K	1 3/4	3.68	2.32	2.94	2.58
588-B12J-Code	20K - 40K	1 3/4	3.21	2.89	2.57	2.25
588-B12J-Code	50K	1 3/4	4.05	3.65	3.24	2.84

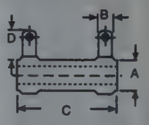
20 Watts (Uses bracket 588-7) For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dim.: in. A	Price Each 1	25	100	250
588-B20J-Code	1.0 - 50	2	3.67	3.30	2.94	2.57
588-B20J-Code	75 - 1.5K	2	3.41	3.07	2.73	2.39
588-B20J-Code	5K - 10K	2	3.84	3.46	3.08	2.69
588-B20J-Code	15K - 25K	2	4.26	3.74	3.41	2.98

270 SERIES FIXED RESISTORS

Specifications:
- Resistance tolerance: ±5%
- Temperature coefficient: 1 to 20Ω, ±400ppm above 20Ω, ±260 ppm

RoHS Compliant



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Dimensions: in. A	B	C	D	Price Each 1	25	100
L25J, 25 Watts Uses Bracket 588-9								
588-L25J-Code	1.0	9/16	1/4	2	9/16	5.29	5.00	4.41
588-L25J-Code	2.0 - 5.0	9/16	1/4	2	9/16	5.43	5.14	4.53
588-L25J-Code	10 - 750	9/16	1/4	2	9/16	5.18	4.90	4.32
588-L25J-Code	1K - 3K	9/16	1/4	2	9/16	5.42	5.12	4.52
588-L25J-Code	5K - 7.5K	9/16	1/4	2	9/16	5.49	5.19	4.58
588-L25J-Code	10K - 25K	9/16	1/4	2	9/16	6.57	6.21	5.48
588-L25J-Code	50K	9/16	1/4	2	9/16	7.07	6.68	5.90
588-L25J-Code	100K	9/16	1/4	2	9/16	7.54	7.12	6.29
L50J, 50 Watts Uses Bracket 588-9								
588-L50J-Code	1.0	9/16	1/4	4	9/16	8.16	7.70	6.80
588-L50J-Code	2.0 - 5.0	9/16	1/4	4	9/16	7.63	7.21	6.36
588-L50J-Code	10 - 7.5K	9/16	1/4	4	9/16	7.49	7.07	6.24
588-L50J-Code	10K - 20K	9/16	1/4	4	9/16	7.92	7.48	6.61
588-L50J-Code	25K - 50K	9/16	1/4	4	9/16	11.23	10.61	9.36
588-L50J-Code	100K	9/16	1/4	4	9/16	11.47	10.83	9.56
L100J, 100 Watts Uses Bracket 588-12								
588-L100J-Code	1.0 - 2.0	3/4	1/4	6 1/2	9/16	10.37	8.82	7.78
588-L100J-Code	3.0 - 5.0	3/4	1/4	6 1/2	9/16	9.98	8.49	7.49
588-L100J-Code	10 - 75	3/4	1/4	6 1/2	9/16	9.45	8.03	7.08
588-L100J-Code	100 - 750	3/4	1/4	6 1/2	9/16	9.25	7.86	6.93
588-L100J-Code	1K - 7.5K	3/4	1/4	6 1/2	9/16	8.89	7.56	6.67
588-L100J-Code	10K - 25K	3/4	1/4	6 1/2	9/16	9.15	7.78	6.86
588-L100J-Code	50K	3/4	1/4	6 1/2	9/16	11.34	9.64	8.50
588-L100J-Code	100K	3/4	1/4	6 1/2	9/16	13.49	11.46	10.11
L225J, 225 Watts Uses Bracket 588-18								
588-L225J-Code	1.0	1 1/8	5/16	10 1/2	5/8	35.35	29.46	25.53
588-L225J-Code	3.0 - 5.0	1 1/8	5/16	10 1/2	5/8	21.51	17.93	15.54
588-L225J-Code	10 - 100	1 1/8	5/16	10 1/2	5/8	18.65	15.55	13.47
588-L225J-Code	150 - 750	1 1/8	5/16	10 1/2	5/8	17.81	14.84	12.86
588-L225J-Code	1K - 7.5K	1 1/8	5/16	10 1/2	5/8	17.21	14.34	12.43
588-L225J-Code	10K - 25K	1 1/8	5/16	10 1/2	5/8	17.86	14.89	12.90
588-L225J-Code	50K	1 1/8	5/16	10 1/2	5/8	19.85	16.55	14.34
588-L225J-Code	100K	1 1/8	5/16	10 1/2	5/8	20.90	17.42	15.11

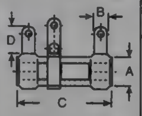
OHMITE Adjustable Vitreous Enamel Power Resistors - 12 Watt to 225 Watt

210 SERIES ADJUSTABLE

Specifications:
- Resistance tolerance: ±10%
- Temperature coefficient: ±260ppm
- Vitreous enamel coated

Cross Reference Chart

Ohmite	Clarostat	Huntington
D12K	VP10FA	AVT-12
D25K	VP25KA	AVT-25
D50K	VP50KA	AVT-50
D100K	VK100NA	AVT-100
D225K	VK200WA	AVT-200



DIMENSIONS: In.

Series	A	B	C	D
D12K	5/16	3/16	1 3/4	7/16
D25K	9/16	1/4	2	9/16
D50K	9/16	1/4	4	9/16
D100K	3/4	1/4	6 1/2	9/16
D225K	1 1/8	5/16	10 1/2	5/8

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	25	100
D12K, 12 Watts Uses Bracket 588-5				
588-D12K-Value	1.0, 2.0, 3.0, 5.0	8.55	7.26	6.67
588-D12K-Value	10, 15, 20, 25, 50, 75, 100, 150, 200	8.47	7.19	5.93
588-D12K-Value	250, 500, 750	8.76	7.45	6.13
588-D12K-Value	1K, 1.5K, 2K, 2.5K, 3.5K	9.09	7.72	7.09
588-D12K-Value	5K, 10K	9.27	7.89	7.23
D25K, 25 Watts Uses Bracket 588-9				
588-D25K-Value	1.0, 2.0	9.99	8.49	7.00
588-D25K-Value	3.0, 5.0, 10, 15, 20, 25, 50, 75, 100, 150, 200, 250, 500	8.50	7.23	5.95
588-D25K-Value	750, 1K, 1.5K, 2K, 2.5K, 3.5K	8.79	7.47	6.86
588-D25K-Value	5K, 10K	11.14	10.02	8.91
588-D25K-Value	25K	11.50	10.35	9.20

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Range of Values (Ω)	Price Each 1	25	100
D50K, 50 Watts Uses Bracket 588-9				
588-D50K-Value	1.0, 2.0, 3.0	14.20	12.08	9.94
588-D50K-Value	5.0	16.72	15.04	13.38
588-D50K-Value	10, 25, 50,	12.15	10.33	9.48
588-D50K-Value	100, 250, 500, 750	12.15	10.33	9.48
588-D50K-Value	1K, 2K, 2.5K,	12.72	10.81	9.92
588-D50K-Value	5K, 10K, 25K	15.58	14.03	12.46
D100K, 100 Watts Uses Bracket 588-12				
588-D100K-Value	1.0	20.89	18.46	17.21
588-D100K-Value	2.0, 3.0, 5.0, 10	19.75	17.95	16.76
588-D100K-Value	25, 50, 100, 250, 500	15.37	13.84	12.29
588-D100K-Value	1K, 1.5K, 2.5K,	15.37	13.84	12.29
588-D100K-Value	10K, 25K	16.86	14.90	13.39
D225K, 225 Watts Uses Bracket 588-18				
588-D225K-Value	1.0	44.45	40.64	35.56
588-D225K-Value	2.0, 3.0	37.77	34.46	29.73
588-D225K-Value	5.0	38.88	34.03	29.16
588-D225K-Value	10, 25, 50	30.30	27.70	24.23
588-D225K-Value	100, 250, 500, 1K, 10K	29.24	25.58	21.94

RESISTOR MOUNTING BRACKETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	May Be Used With These Resistors	Price Each 1	10
588-5-E	B8J, B12J, D12K	.32	.29
588-7-E	B20J	.42	.34
588-9-E	L25J, L50J, D25K, D50K	.29	.26

Requires 2 brackets per resistor.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	May Be Used With These Resistors	Price Each 1	10
588-12-E	L100J, D100K	.56	.53
588-18-E	L255J, D252K	.59	.56

OHMITE Aluminum Housed Wirewound Resistors - 160 to 330 Watt

OHMITE.

OHMITE WFH SERIES

Using Ohmite's flat-core winding technology, WFH wirewound resistors are housed in flat aluminum extrusions that support attachment of a heat sink. Allowing close mounting of heat-sensitive components to save pc-board space, the devices offer superior thermal-transfer characteristics compared with standard aluminum-housed wirewounds

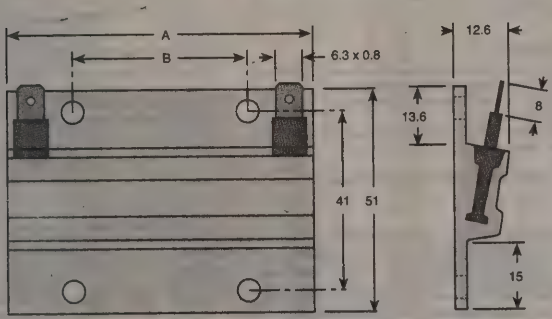
Features:

- Solder, Cable and "Fast-On" Termination
- More resistors in one profile possible

RoHS Compliant

Specifications:

- Power Rating: 12-300W
- Temperature Coefficient: normal 50ppm - 150ppm
- Working Voltage: 1200VAC
- Insulation: Silicone Rubber & Mica



Type	Dimensions: mm	
	A	B
WFH160	140	80
WFH230	210	2x80
WFH330	280	2x100

160 Watt

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Tol.	Price Each			
				1	5	10	25
588-WFH160LR47KE	WFH160LR47KE	0.47	10%	34.25	30.02	28.71	27.40
588-WFH160L1R0KE	WFH160L1R0KE	1	10%	34.25	30.02	28.71	27.40
588-WFH160L2R0KE	WFH160L2R0KE	2	10%	34.25	30.02	28.71	27.40
588-WFH160L10RKE	WFH160L10RKE	10	10%	34.25	30.02	28.71	27.40
588-WFH160L27RJE	WFH160L27RJE	27	5%	32.63	28.58	27.35	26.10
588-WFH160L50RJE	WFH160L50RJE	50	5%	32.63	28.58	27.35	26.10
588-WFH160L75RJE	WFH160L75RJE	75	5%	32.63	28.58	27.35	26.10
588-WFH160L100JE	WFH160L100JE	100	5%	32.63	28.58	27.35	26.10
588-WFH160L150JE	WFH160L150JE	150	5%	32.63	28.58	27.35	26.10
588-WFH160L250JE	WFH160L250JE	250	5%	32.63	28.58	27.35	26.10
588-WFH160L1K0JE	WFH160L1K0JE	1K	5%	32.63	30.02	28.71	26.10
588-WFH160L5K0JE	WFH160L5K0JE	5K	5%	32.63	30.02	28.71	26.10
588-WFH160L10KJE	WFH160L10KJE	10K	5%	32.63	30.02	28.71	26.10

230 Watt

588-WFH230L1R0KE	WFH230L1R0KE	1	10%	44.25	38.76	37.09	35.39
588-WFH230L2R0KE	WFH230L2R0KE	2	10%	44.25	38.76	37.09	35.39
588-WFH230L5R0KE	WFH230L5R0KE	5	10%	44.25	38.76	37.09	35.39
588-WFH230L10RKE	WFH230L10RKE	10	10%	44.25	38.76	37.09	35.39
588-WFH230L27RJE	WFH230L27RJE	27	5%	42.13	36.90	35.31	33.70
588-WFH230L50RJE	WFH230L50RJE	50	5%	42.13	36.90	35.31	33.70
588-WFH230L75RJE	WFH230L75RJE	75	5%	42.13	36.90	35.31	33.70
588-WFH230L100JE	WFH230L100JE	100	5%	42.13	36.90	35.31	33.70
588-WFH230L150JE	WFH230L150JE	150	5%	42.13	36.90	35.31	33.70
588-WFH230L250JE	WFH230L250JE	250	5%	42.13	36.90	35.31	33.70
588-WFH230L1K0JE	WFH230L1K0JE	1K	5%	44.25	38.76	37.09	35.39
588-WFH230L1K5JE	WFH230L1K5JE	1.5K	5%	44.25	38.76	37.09	35.39
588-WFH230L2K5JE	WFH230L2K5JE	2.5K	5%	44.25	38.76	37.09	35.39

330 Watt

588-WFH330L1R0KE	WFH330L1R0KE	1	10%	52.78	46.23	44.24	42.23
588-WFH330L2R0KE	WFH330L2R0KE	2	10%	52.78	46.23	44.24	42.23
588-WFH330L10RKE	WFH330L10RKE	10	10%	52.78	46.23	44.24	42.23
588-WFH330L27RJE	WFH330L27RJE	27	5%	50.40	44.15	42.25	40.31
588-WFH330L50RJE	WFH330L50RJE	50	5%	50.40	44.15	42.25	40.31
588-WFH330L75RJE	WFH330L75RJE	75	5%	50.40	44.15	42.25	40.31
588-WFH330L100JE	WFH330L100JE	100	5%	50.40	44.15	42.25	40.31
588-WFH330L150JE	WFH330L150JE	150	5%	50.40	44.15	42.25	40.31
588-WFH330L250JE	WFH330L250JE	250	5%	50.40	44.15	42.25	40.31
588-WFH330L1K0JE	WFH330L1K0JE	1K	5%	52.78	46.23	44.24	42.23
588-WFH330L5K0JE	WFH330L5K0JE	5K	5%	52.78	46.23	44.24	42.23
588-WFH330L10KJE	WFH330L10KJE	10K	5%	52.78	46.23	44.24	42.23

OHMITE Heat Sinkable Planar Resistors - 600 Watt and 1000 Watt

OHMITE.

OHMITE TAP 600 SERIES

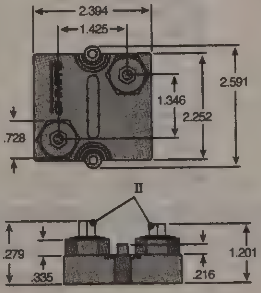
The TAP600 series delivers 600 watts of reliable power to a variety of power conditioning, power transmission and power control applications. The TAP600 are designed for use in liquid, or air cooled heat sink systems used in variable speed drives, power supplies, robotics, motor control and control devices.

Features:

- Dielectric Strength: Up to 12KV
- Special design for low inductive and capacitance values
- Easy termination to contacts with M5 screws

Specifications:

- Tolerance: 10%
- Maximum Working Voltage: 5000VDC
- Operating temperature range: -55°C to +150°C
- Power rating: 600 watt@ 70°C (heat sink temp.)
- Temperature Coefficient: ± 150 PPM/°C
- Thermal Resistance: 8.73W/°C (0.115°C/W)



DIMENSIONS: in.

RoHS Compliant

For quantities of 100 and up, call for quote.

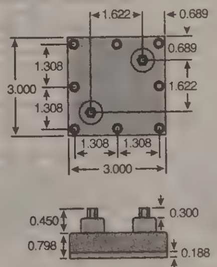
MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each		
			1	10	25
588-TAP600K1R0E	TAP600K1R0E	1.0	108.15	84.41	77.38
588-TAP600K2R0E	TAP600K2R0E	2.0	108.15	84.41	77.38
588-TAP600K3R0E	TAP600K3R0E	3.0	108.15	84.41	77.38
588-TAP600K5R0E	TAP600K5R0E	5.0	108.15	84.41	77.38
588-TAP600K10RE	TAP600K10RE	10	108.15	84.41	77.38
588-TAP600K50RE	TAP600K50RE	50	108.15	84.41	77.38
588-TAP600K100E	TAP600K100E	100	108.15	84.41	77.38
588-TAP600K1K0E	TAP600K1K0E	1K	108.15	84.41	77.38
588-TAP600K10KE	TAP600K10KE	10K	108.15	84.41	77.38

OHMITE TAP 1000 SERIES

The TAP1000 series delivers 1000 watts of continuous power with thick film on alumina substrate technology. Up to 30% smaller, the TAP1000 is capable of 2 to 4 times the power dissipation of traditional heat sinkable resistor technologies. Designed for use with liquid cooled heat sinks, TAP1000 resistors are capable of dissipating 1000 watts of continuous power when properly mounted. Offering the highest power available in a heat sinkable package, the TAP1000 is well suited for power conditioning, power distribution, and power control applications.

- Dissipates 1000 Watts@70°C
- High Energy Rating
- Low Inductance
- Resistor element electrically isolated
- High Dielectric strength (6KV)
- Small footprint

- Tolerance: 10%
- Maximum Working Voltage: 2000VDC
- Operating temperature range: -55°C to +150°C
- Power rating: 1000 watt@ 70°C
- Temperature Coefficient: ± 250 PPM/°C
- Thermal Resistance: 0.05°C/Watt



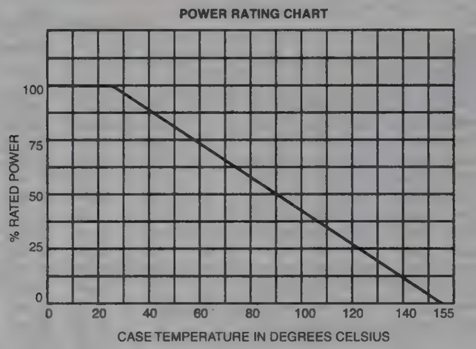
DIMENSIONS: in.

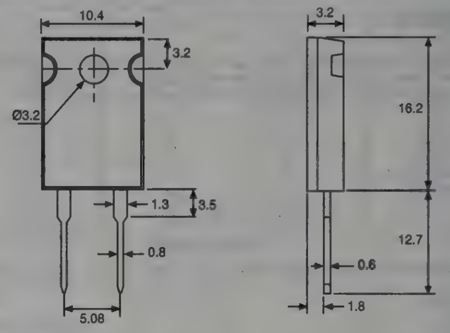
RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each		
			1	10	25
588-TA1K0PH2R50KE	TA1K0PH2R50KE	2.5	135.96	115.50	99.94
588-TA1K0PH3R00KE	TA1K0PH3R00KE	3.0	135.96	115.50	99.94
588-TA1K0PH4R00KE	TA1K0PH4R00KE	4.0	135.96	115.50	99.94
588-TA1K0PH5R00KE	TA1K0PH5R00KE	5.0	135.96	115.50	99.94
588-TA1K0PH8R00KE	TA1K0PH8R00KE	8.0	135.96	115.50	99.94
588-TA1K0PH10R0KE	TA1K0PH10R0KE	10	135.96	115.50	99.94
588-TA1K0PH15R0KE	TA1K0PH15R0KE	15	135.96	115.50	99.94
588-TA1K0PH25R0KE	TA1K0PH25R0KE	25	135.96	115.50	99.94
588-TA1K0PH30R0KE	TA1K0PH30R0KE	30	135.96	115.50	99.94
588-TA1K0PH50R0KE	TA1K0PH50R0KE	50	135.96	115.50	99.94

VISHAY / SFERNICE 30 and 50 Watt-Power Resistor Thick Film TO-220 Style


POWER RATING CHART



DIMENSIONS: mm

LEAD-FREE

RoHS Compliant

LTO 30

Features:
- 30 Watt at 25˚C case temperature heatsink mounted
- Direct mounting ceramic on heatsink
- Broad resistance range: R010 to 550K
- Non Inductive
- TO-220 package: Compact and easy to mount
- Isolated case

Electrical Specifications:
- Resistance Range: 0.010Ω to 550KΩ
- Tolerances (Standard): 5%
- Temperature Coefficient: ± 150 ppm/˚C
- Limiting Element Voltage: 250V

LTO series are the extension of RTO types.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	OHMIC Range	Price Each			
			1	10	25	50
72-LTO030FR0100JTE3	LTO030FR0100JTE3	.01	4.99	4.64	4.45	4.26
72-LTO030FR0150JTE3	LTO030FR0150JTE3	.015	4.99	4.64	4.45	4.26
72-LTO030FR0220JTE3	LTO030FR0220JTE3	.022	4.99	4.64	4.45	4.26
72-LTO030FR0470JTE3	LTO030FR0470JTE3	.047	4.38	4.06	3.89	3.73
72-LTO030FR0500JTE3	LTO030FR0500JTE3	.05	4.80	4.33	3.97	3.80
72-LTO030FR0680JTE3	LTO030FR0680JTE3	.068	4.38	4.06	3.89	3.73
72-LTO030FR1000JTE3	LTO030FR1000JTE3	0.1	4.38	4.06	3.89	3.73
72-LTO030FR4700JTE3	LTO030FR4700JTE3	0.47	3.66	3.39	3.25	3.11
72-LTO030F1R000JTE3	LTO030F1R000JTE3	1.0	3.66	3.39	3.25	3.11
72-LTO030F2R200JTE3	LTO030F2R200JTE3	2.2	3.66	3.39	3.25	3.11
72-LTO030F4R700JTE3	LTO030F4R700JTE3	4.7	3.66	3.39	3.25	3.11
72-LTO030F5R000JTE3	LTO030F5R000JTE3	5.0	3.66	3.39	3.25	3.11
72-LTO030F10R00JTE3	LTO030F10R00JTE3	10	3.66	3.39	3.25	3.11
72-LTO030F15R00JTE3	LTO030F15R00JTE3	15	3.66	3.39	3.25	3.11
72-LTO030F22R00JTE3	LTO030F22R00JTE3	22	3.66	3.39	3.25	3.11
72-LTO030F47R00JTE3	LTO030F47R00JTE3	47	3.66	3.39	3.25	3.11
72-LTO030F100R0JTE3	LTO030F100R0JTE3	100	3.66	3.39	3.25	3.11
72-LTO030F10000JTE3	LTO030F10000JTE3	1K	3.66	3.39	3.25	3.11
72-LTO030F10001JTE3	LTO030F10001JTE3	10K	3.66	3.39	3.25	3.11

LTO 50

Features:
- 30 Watt at 25˚C case temperature heatsink mounted
- Direct mounting ceramic on heatsink
- Broad resistance range: R010 to 550K
- Non Inductive
- TO-220 package: Compact and easy to mount
- Isolated case

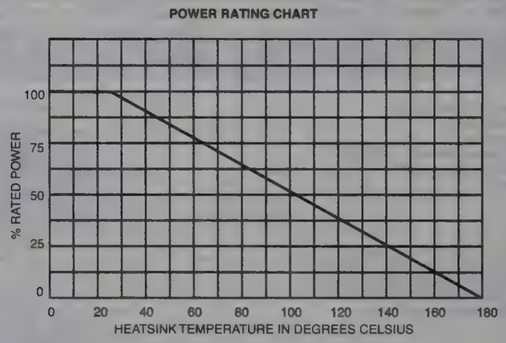
Electrical Specifications:
- Resistance Range: 0.010Ω to 550KΩ
- Tolerances (Standard): 5%
- Temperature Coefficient: ± 150 ppm/˚C
- Limiting Element Voltage: 250V

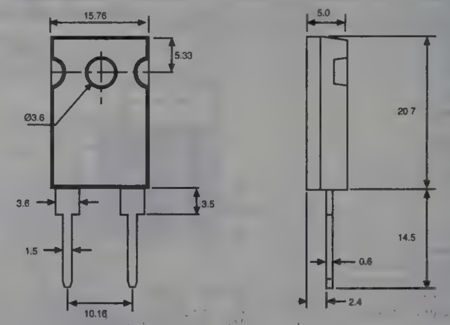
LTO series are the extension of RTO types.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	OHMIC Range	Price Each			
			1	10	25	50
72-LTO050FR0100JTE3	LTO050FR0100JTE3	.01	7.90	6.33	5.75	5.27
72-LTO050FR0220JTE3	LTO050FR0220JTE3	.022	5.51	5.24	5.11	4.98
72-LTO050FR0470JTE3	LTO050FR0470JTE3	.047	4.41	4.20	4.09	3.99
72-LTO050FR0500JTE3	LTO050FR0500JTE3	.05	4.41	4.20	4.09	3.99
72-LTO050FR0680JTE3	LTO050FR0680JTE3	.068	4.41	4.20	4.09	3.99
72-LTO050FR1000JTE3	LTO050FR1000JTE3	0.1	4.41	4.20	4.09	3.99
72-LTO050FR4700JTE3	LTO050FR4700JTE3	0.5	3.66	3.49	3.40	3.31
72-LTO050F1R000JTE3	LTO050F1R000JTE3	1.0	3.66	3.49	3.40	3.31
72-LTO050F2R200JTE3	LTO050F2R200JTE3	2.2	3.66	3.49	3.40	3.31
72-LTO050F4R700JTE3	LTO050F4R700JTE3	4.7	3.66	3.49	3.40	3.31
72-LTO050F5R000JTE3	LTO050F5R000JTE3	5.0	3.66	3.49	3.40	3.31
72-LTO050F10R00JTE3	LTO050F10R00JTE3	10	3.66	3.49	3.40	3.31
72-LTO050F22R00JTE3	LTO050F22R00JTE3	22	4.43	3.91	3.88	3.84
72-LTO050F47R00JTE3	LTO050F47R00JTE3	47	3.66	3.49	3.40	3.31
72-LTO050F100R0JTE3	LTO050F100R0JTE3	100	3.66	3.49	3.40	3.31
72-LTO050F10000JTE3	LTO050F10000JTE3	1K	5.63	5.00	4.50	4.09
72-LTO050F10001JTE3	LTO050F10001JTE3	10K	3.66	3.49	3.40	3.31

VISHAY / SFERNICE 100 Watt-Power Resistor Thick Film TO-247 Style


POWER RATING CHART



DIMENSIONS: mm

LEAD-FREE

RoHS Compliant

LTO 100

Features:
- 100 Watt at 25˚C case temperature heatsink mounted
- Direct mounting ceramic on heatsink
- Broad resistance range: R015 to 1M
- Non Inductive
- TO-247 package: Compact and easy to mount

LTO series are the extension of RTO types.

Electrical Specifications:
- Resistance Range: 0.015Ω to 1MΩ
- Tolerances (Standard): 5%
- Temperature Coefficient: ± 150 ppm/˚C
- Limiting Element Voltage: 375V

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	OHMIC Range	Price Each			
			1	10	25	50
72-LTO100FR0150JTE3	LTO100FR0150JTE3	.015	18.76	17.69	17.15	16.08
72-LTO100FR0220JTE3	LTO100FR0220JTE3	.022	18.76	17.69	17.15	16.08
72-LTO100FR0470JTE3	LTO100FR0470JTE3	.047	15.02	14.16	13.73	12.87
72-LTO100FR0500JTE3	LTO100FR0500JTE3	.05	15.02	14.16	13.73	12.87
72-LTO100FR1000JTE3	LTO100FR1000JTE3	0.10	15.02	14.16	13.73	12.87
72-LTO100F1R000JTE3	LTO100F1R000JTE3	1.0	12.53	11.81	11.46	10.74

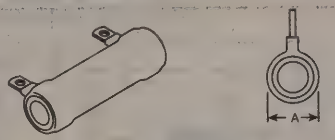
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	OHMIC Range	Price Each			
			1	10	25	50
72-LTO100F4R700JTE3	LTO100F4R700JTE3	4.7	12.53	11.81	11.46	10.74
72-LTO100F10R00JTE3	LTO100F10R00JTE3	10	12.53	11.81	11.46	10.74
72-LTO100F15R00JTE3	LTO100F15R00JTE3	15	12.53	11.81	11.46	10.74
72-LTO100F100R0JTE3	LTO100F100R0JTE3	100	12.53	11.81	11.46	10.74
72-LTO100F10000JTE3	LTO100F10000JTE3	1K	12.53	11.81	11.46	10.74
72-LTO100F10001JTE3	LTO100F10001JTE3	10K	12.53	11.81	11.46	10.74

VISHAY / DALE 5% Wirewound Resistors - 25, 50, 100 and 225 Watt

HL SERIES SILICONE

Electrical Specifications:
- Resistance tolerance: ±5%
- Temperature coefficient:
  ±50PPM/°C, 1Ω to 9.9Ω
  ±30PPM/°C, 10Ω and above



Material Specifications:
- Core: Steatite. Chemically inert, will withstand severe thermal shock and is impervious to moisture

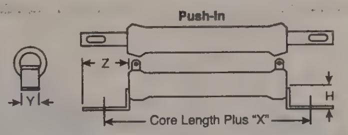
DIMENSIONS: in. (mm)

Series	A (Max.)	Core Dimensions			Terminal Setback	Standard Terminal Designation
		Length ±1/16	O.D.	I.D. ±1/32		
HL-25	11/16	2	9/16	5/16	- - -	06
HL-50	11/16	4	9/16	5/16	3/32	06
HL-100	29/32	6 1/2	3/4	1/2	1/8	06
HL-225	1 5/16	10 1/2	1 1/8	3/4	7/32	07

TABLE OF STOCKED VALUES				
1.0	15	150	750	10K
2.0	20	200	1.0K	15K
3.0	25	220	2.0K	20K
4.0	30	250	2.5K	25K
5.0	50	300	3.0K	50K
7.5	75	400	5.0K	100
10	100	500	7.5K	150K

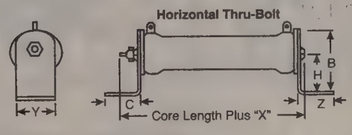
MOUSER STOCK NO.	Range of Values (Ω)	Price Each				
		1	10	25	50	100+
HL25, 25 Watts						
71-HL25-06Z-Value	1.0 - 5.0K	2.18	1.96	1.80	1.64	Call for Quote
71-HL25-06Z-Value	7.5K - 10K	2.50	2.25	2.06	1.88	
71-HL25-06Z-Value	15K - 25K	2.72	2.45	2.24	2.04	
71-HL25-06Z-Value	50K - 100K	5.88	5.29	4.85	4.41	
HL50, 50 Watts						
71-HL50-06Z-Value	1.0 - 1.0K	3.38	3.04	2.79	2.54	Call for Quote
71-HL50-06Z-Value	2.0K - 15K	3.44	3.10	2.84	2.58	
71-HL50-06Z-Value	20K - 25K	3.70	3.33	3.05	2.78	
71-HL50-06Z-Value	50K - 100K	4.44	4.00	3.66	3.33	
HL100, 100 Watts						
71-HL100-06Z-Value	1.0 - 1.0K	6.64	5.98	5.48	4.98	Call for Quote
71-HL100-06Z-Value	2.0K - 25K	6.94	6.25	5.73	5.21	
71-HL100-06Z-Value	50K	7.60	6.84	6.27	5.70	
71-HL100-06Z-Value	100K	8.94	8.05	7.38	6.71	
HL225, 225 Watts						
71-HL225-07Z-Value	1.0 - 50K	11.16	10.04	9.21	8.37	Call
71-HL225-07Z-Value	100K - 150K	16.96	15.26	13.99	12.72	

RESISTOR MOUNTING BRACKETS



Order in two-piece increments.

MOUSER STOCK NO.	Price Each
Push-In	
71-203-25W	.24
71-203-50W	.24
71-206-100W	.31
71-205-225W	.34



Order in two-piece increments.

MOUSER STOCK NO.	Price Each
Horizontal Thru-Bolt	
71-101-25W	.74
71-101-50W	.74
71-102-100W	1.25
71-103-225W	2.26

DIMENSIONS: in. (mm)

Push-In

Bracket Type	X	H	Y	Z	Hole (DIA)
203	0.625 (15.88)	0.672 (17.07)	0.250 (6.35)	0.469 (11.91)	0.161 (4.09)
205	0.813 (20.64)	1.391 (35.32)	0.500 (12.70)	0.688 (17.46)	0.196 x 0.260 (4.98 x 6.60)
206	0.719 (18.26)	0.969 (24.61)	0.375 (9.53)	0.625 (15.88)	0.196 x 0.260 (4.98 x 6.60)

Horizontal Thru-Bolt

Bracket Type	X	Y	Z	H	Mounting Slot	C	B
101	1.063 (26.99)	0.500 (12.70)	0.859 (21.83)	1.000 (25.40)	0.219 x 0.438 (5.56 x 11.11)	0.750 (19.05)	1.375 (34.93)
102	1.063 (26.99)	0.750 (19.05)	0.859 (21.83)	1.250 (31.75)	0.219 x 0.438 (5.56 x 11.11)	0.750 (19.05)	1.750 (44.45)
103	1.063 (26.99)	1.250 (31.75)	1.000 (25.40)	1.500 (38.10)	0.281 x 0.563 (7.14 x 14.29)	0.875 (22.23)	2.125 (53.98)

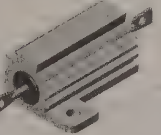
VISHAY / DALE 1% Wirewound Power Resistors - 5, 10, 25, 50, 100, and 250 Watt

RH SERIES HEATSINK ENCASED

Features:
- Complete welded construction
- Mounts on chassis to utilize heat-sink effect
- Non inductive versions are available for quote

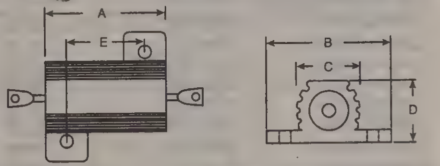
† Stocked only in RH25 ✻ Not available in RH-10. ✻✻ Available only in RH50 & RH250.

TABLE OF STOCKED VALUES											
0.01	0.25	0.68	2.5	5.62	15	30	60	150	470	1.5K	8K
0.03	0.27	0.75	2.7	6.0	16	33	68	200	500	1.8K	10K
0.05	0.3	0.82	3.0	7.0	20	†35	75	220	600	2.0K	15K
0.1	0.33	1.0	3.3	7.5	22	40	10	250	680	2.5K	20K
0.15	0.47	1.5	4.0	8.0	24	47	0	300	750	3.0K	25K
0.2	0.5	2.0	4.7	10	25	50	12	330	1.0K	3.3K	40K
0.22	0.56	2.2	5.0	12	27	56	0	400	1.2K	5.0K	✻ 50K
											✻✻100K



DIMENSIONS: in.

Series	A	B	C	D	E
RH-5	.600	.646	.334	.320	.444
RH-10	.750	.800	.420	.390	.562
RH-25	1.062	1.080	.550	.546	.719
RH-50	1.968	1.140	.630	.610	1.562
RH-100	3.50	2.812	1.812	1.75	2.75
RH-250	4.50	3.0	2.125	2.188	3.075



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
RH5, 5 Watts - 1%					
71-RH5-Value	0.05	8.50	7.95	7.25	6.85
71-RH5-Value	0.1 - 0.15	3.30	2.20	1.98	1.65
71-RH5-Value	0.25 - 0.50	5.13	4.51	4.10	3.40
71-RH5-Value	2.0 - 1.0K	3.13	2.08	1.88	1.56
71-RH5-Value	4.0K	3.16	2.11	1.80	1.58
RH10, 10 Watts - 1%					
71-RH10-Value	0.01 - 0.05	10.20	8.98	7.64	6.72
71-RH10-Value	0.1 - 0.82	2.89	2.49	1.96	1.78
71-RH10-Value	1.0 - 1.0K	2.37	2.04	1.61	1.46
71-RH10-Value	1.2K - 20K	3.76	3.31	2.82	2.48
71-RH10-Value	25K - 40K	4.65	4.28	3.72	3.61

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
RH25, 25 Watts - 1%					
71-RH25-Value	0.01 - 0.05	3.76	3.67	2.88	2.62
71-RH25-Value	0.1 - 0.82	4.16	3.58	2.80	2.53
71-RH25-Value	1.0 - 1.0K	3.25	2.80	2.20	1.99
71-RH25-Value	1.2K - 10K	4.50	4.14	3.60	3.49
71-RH25-Value	20K - 50K	4. 65	4.28	3.72	3.61
RH50, 50 Watts - 1%					
71-RH50-Value	0.01 - 0.05	6.26	4.70	4.00	3.98
71-RH50-Value	0.1 - 0.82	6.26	4.70	4.00	3.98
71-RH50-Value	1.0 - 1.0K	4.26	3.67	2.88	2.62
71-RH50-Value	1.2K - 10K	5.85	5.38	4.68	4.54
71-RH50-Value	20K - 100K	7.85	7.22	6.28	6.09

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Value Range	Price Each			
		1	10	25	50
RH100, 100 Watts - 1%					
71-RH100-Value	1.0 - 100	54.42	44.90	43.33	42.12
RH250, 250 Watts - 1%					
71-RH250-Value	1.0 - 120	74.99	53.80	43.87	42.65

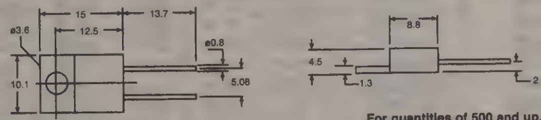
VISHAY / SFERNICE 5% Thick Film Power Resistors - 20 Watt

RTO SERIES TO-220

Features:
- 20 Watt at 25° C Heatsink Mounted
- High Power Dissipation to size ratio
- Negligible Inductance
- TO-220 Package
- Flat version for surface mount is available - RTOC

Specifications:
- Operating Temperature: -55° C to +155° C
- Inductance: ≤0.1 μH
- Tolerance: 5% Standard
- Dielectric Withstanding Voltage: 2000VRMS

DIMENSIONS: mm



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value (Ω)	Price Each				
			1	25	50	100	200
72-RTO20F-R05-5	RTO020FR0500JT	0.05	9.11	7.59	6.07	5.47	5.16
72-RTO20F-R1-5	RTO020FR1000JT	0.1	9.11	7.59	6.07	5.47	5.16
72-RTO20F-R2-5	RTO020FR2000JT	0.2	9.11	7.59	6.07	5.47	5.16
72-RTO20F-R5-5	RTO020FR5000JT	0.5	9.11	7.59	6.07	5.47	5.16
72-RTO20F-1-5	RTO020F1R000JT	1	7.59	6.33	5.06	4.55	4.30
72-RTO20F-2-5	RTO020F2R000JT	2	7.59	6.33	5.06	4.55	4.30
72-RTO20F-5-5	RTO020F5R000JT	5	9.11	7.59	6.07	5.47	5.16
72-RTO20F-10-5	RTO020F10R00JT	10	7.59	6.44	5.15	4.59	4.36
72-RTO20F-20-5	RTO020F20R00JT	20	7.59	6.33	5.06	4.55	4.30
72-RTO20F-50-5	RTO020F50R00JT	50	7.59	6.33	5.06	4.55	4.30

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part Number	Value (Ω)	Price Each				
			1	25	50	100	200
72-RTO20F-100-5	RTO020F100R0JT	100	7.59	6.33	5.06	4.55	4.30
72-RTO20F-200-5	RTO020F200R0JT	200	7.59	6.33	5.06	4.55	4.30
72-RTO20F-500-5	RTO020F500R0JT	500	7.59	6.33	5.06	4.55	4.30
72-RTO20F-1K-5	RTO020F10000JT	1K	7.59	6.33	5.06	4.55	4.30
72-RTO20F-2K-5	RTO020F20000JT	2K	7.59	6.33	5.06	4.55	4.30
72-RTO20F-5K-5	RTO020F50000JT	5K	8.35	6.96	5.57	5.01	4.73
72-RTO20F-50K-5	RTO020F50001JT	50K	8.35	6.96	5.57	5.01	4.73
72-RTO20F-100K-5	RTO020F10002JT	100K	7.59	6.33	5.06	4.55	4.30
72-RTO20F-500K-5	RTO020F50002JT	500K	8.35	6.96	5.57	5.01	4.73
72-RTO20F-1M-5	RTO020F10003JT	1M	7.59	6.33	5.06	4.55	4.30

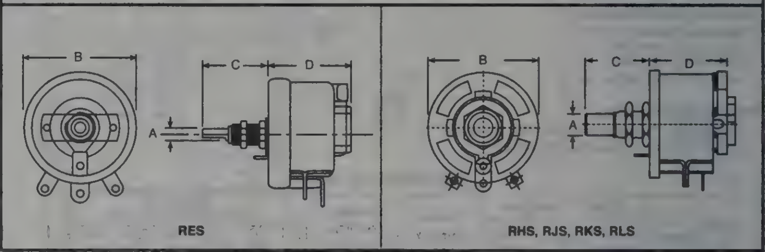
OHMITE Power Wirewound Rheostats - 12.5, 25, 50, 100, and 150 Watt

POWER WIREWOUND RHEOSTATS

RoHS Compliant

Series	Watts	Ohmic Range	Dimensions: In.				Shaft Torque	Rotation (± 5°)
			A	B	C	D		
RES	12.5	1.0-15K	.125	.875	.625	.688	1-6 oz. in.	300
RHS	25	1.0-25K	.250	1.560	.875	1.375	.25-.5 lb.in.	300
RJS	50	.05-50K	.250	2.310	.875	1.375	.25-2 lb.in.	300
RKS	100	.05-50K	.250	3.125	.875	1.750	.5-2 lb. in.	300
RLS	150	.05-50K	.250	4.000	.875	2.000	.5-3 lb. in.	300

DIMENSIONS: In.



RES Series, 12.5 Watts

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	100
588-RES6R0E	RES6R0E	6	23.13	21.35	19.56	17.79
588-RES8R0E	RES8R0E	8	23.13	21.35	19.56	17.79
588-RES10RE	RES10RE	10	21.92	20.24	18.54	16.86
588-RES15RE	RES15RE	15	21.92	20.24	18.54	16.86
588-RES25RE	RES25RE	25	21.92	20.24	18.54	16.86
588-RES50RE	RES50RE	50	21.92	20.24	18.54	16.86
588-RES75RE	RES75RE	75	21.92	20.24	18.54	16.86
588-RES100E	RES100E	100	21.92	20.24	18.54	16.86
588-RES125E	RES125E	125	21.92	20.24	18.54	16.86
588-RES175E	RES175E	175	21.92	20.24	18.54	16.86
588-RES250E	RES250E	250	21.92	20.24	18.54	16.86
588-RES350E	RES350E	350	21.92	20.24	18.54	16.86
588-RES500E	RES500E	500	22.52	20.78	19.05	17.33
588-RES750E	RES750E	750	22.52	20.78	19.05	17.33
588-RES1K0E	RES1K0E	1K	22.52	20.78	19.05	17.33
588-RES1K5E	RES1K5E	1.5K	22.52	20.78	19.05	17.33
588-RES2K5E	RES2K5E	2.5K	23.94	22.11	20.27	18.42
588-RES3K5E	RES3K5E	3.5K	23.94	22.11	20.27	18.42
588-RES10KE	RES10KE	10K	25.86	23.88	21.90	19.91

RHS Series, 25 Watts

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	100
588-RHS1R0E	RHS1R0E	1	27.75	23.79	21.80	19.82
588-RHS2R0E	RHS2R0E	2	27.75	23.79	21.80	19.82
588-RHS3R0E	RHS3R0E	3	27.75	23.79	21.80	19.82
588-RHS6R0E	RHS6R0E	6	27.75	23.79	21.80	19.82
588-RHS8R0E	RHS8R0E	8	27.75	23.79	21.80	19.82
588-RHS10RE	RHS10RE	10	26.51	22.73	20.84	18.95
588-RHS15RE	RHS15RE	15	26.51	22.73	20.84	18.95
588-RHS25RE	RHS25RE	25	26.51	22.73	20.84	18.95
588-RHS50RE	RHS50RE	50	26.51	22.73	20.84	18.95
588-RHS75RE	RHS75RE	75	26.51	22.73	20.84	18.95
588-RHS100E	RHS100E	100	26.51	22.73	20.84	18.95
588-RHS125E	RHS125E	125	26.51	22.73	20.84	18.95
588-RHS175E	RHS175E	175	26.51	22.73	20.84	18.95
588-RHS250E	RHS250E	250	26.51	22.73	20.84	18.95
588-RHS350E	RHS350E	350	26.51	22.73	20.84	18.95
588-RHS500E	RHS500E	500	26.51	22.73	20.84	18.95
588-RHS750E	RHS750E	750	26.51	22.73	20.84	18.95
588-RHS1K0E	RHS1K0E	1K	27.44	23.51	21.54	19.59
588-RHS1K5E	RHS1K5E	1.5K	27.44	23.51	21.54	19.59
588-RHS2K5E	RHS2K5E	2.5K	27.44	23.51	21.54	19.59
588-RHS3K5E	RHS3K5E	3.5K	27.44	23.51	21.54	19.59
588-RHS5K0E	RHS5K0E	5K	27.44	23.51	21.54	19.59
588-RHS10KE	RHS10KE	10K	29.75	25.50	23.39	21.26
588-RHS25KE	RHS25KE	25K	31.67	27.15	24.89	22.62

RJS Series, 50 Watts

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	10	50	100
588-RJSR50E	RJSR50E	0.5	40.17	34.43	31.56	28.68
588-RJS1R0E	RJS1R0E	1	35.88	30.75	28.19	25.62
588-RJS6R0E	RJS6R0E	6	35.88	30.75	28.19	25.62
588-RJS35RE	RJS35RE	35	31.38	26.90	24.66	22.41
588-RJS50RE	RJS50RE	50	31.38	26.90	24.66	22.41
588-RJS125E	RJS125E	125	31.38	26.90	24.66	22.41
588-RJS150E	RJS150E	150	31.38	26.90	24.66	22.41
588-RJS225E	RJS225E	225	30.17	25.85	23.70	21.54
588-RJS500E	RJS500E	500	30.17	25.85	23.70	21.54
588-RJS1K0E	RJS1K0E	1K	32.97	28.26	25.92	23.57
588-RJS2K5E	RJS2K5E	2.5K	32.97	28.26	25.92	23.57
588-RJS5K0E	RJS5K0E	5K	32.97	28.26	25.92	23.57
588-RJS10KE	RJS10KE	10K	32.97	28.26	25.92	23.57

RKS Series, 100 Watts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	5	10	50
588-RKS2R0E	RKS2R0E	2	52.25	48.23	39.80	37.44
588-RKS5R0E	RKS5R0E	5	54.26	49.83	39.80	37.44
588-RKS10RE	RKS10RE	10	43.19	39.68	31.67	29.79
588-RKS25RE	RKS25RE	25	43.19	39.68	31.67	29.79
588-RKS75RE	RKS75RE	75	43.19	39.68	31.67	29.79
588-RKS100E	RKS100E	100	43.19	39.68	31.67	29.79
588-RKS200E	RKS200E	200	43.19	39.68	31.67	29.79
588-RKS500E	RKS500E	500	43.19	39.68	31.67	29.79
588-RKS5K0E	RKS5K0E	5K	49.34	45.32	36.19	34.05

RLS Series, 150 Watts

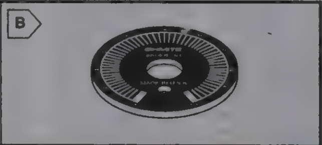
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ohmite Part No.	Value (Ω)	Price Each			
			1	5	10	50
588-RLSR50E	RLSR50E	0.5	64.12	59.18	48.82	45.92
588-RLS1R0E	RLS1R0E	1	66.07	60.68	48.45	45.58
588-RLS5R0E	RLS5R0E	5	66.07	60.68	48.45	45.58
588-RLS15RE	RLS15RE	15	54.59	50.16	40.04	37.67
588-RLS25RE	RLS25RE	25	54.59	50.16	40.04	37.67
588-RLS50RE	RLS50RE	50	54.59	50.16	40.04	37.67
588-RLS100E	RLS100E	100	54.59	50.16	40.04	37.67
588-RLS250E	RLS250E	250	54.59	50.16	40.04	37.67
588-RLS10KE	RLS10KE	10K	67.73	62.20	49.67	46.72

KNOBS AND DIALS FOR POWER WIREWOUND RHEOSTATS

A

B



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Fits Ohmite Series	Knob Dia. (in.)	Dial Dia. (in.)	Price Each	
						1	10
588-5150	A	Knob	RHS, RJS, RKS, RLS	1 1/2	2 3/16	6.30	4.41
588-5151	A	Knob	RES	3/4	1 1/4	4.57	3.20
588-5000	B	Dial	RHS, RJS, RKS, RLS	1 1/2	2 3/16	1.34	.94
588-5007	B	Dial	RES	3/4	1 1/4	1.34	.94

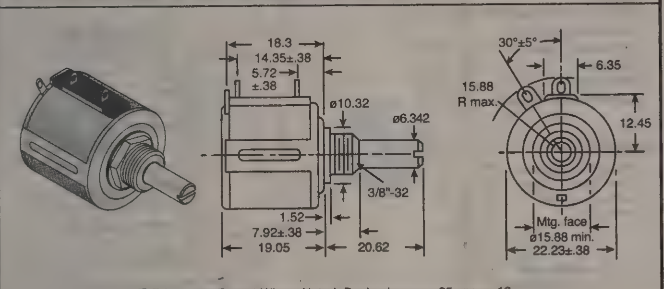
BOURNS Precision Potentiometers

BOURNS Reliable Electronic Solutions

RoHS Compliant This page of product is compliant.

3540 / 3541 SERIES 10-TURN/WIREWOUND/PRECISION

DIMENSIONS: mm


18.3
14.35±.38
5.72
±.38
ø10.32
ø6.342
3/8"-32
1.52
7.92±.38
19.05
20.62
30°±5°
6.35
15.88
R max.
12.45
Mtg. face
ø15.88 min.
22.23±.38

Tolerances Except Where Noted, Decimals=.xx=±.25;.xxx=±.13

Specifications for 3540 Wirewound:

- Standard resistance range: 100-100KΩ
- Resistance tolerance: ±5%
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±50ppm/°C

Specifications for 3541 Hybritron:

- Standard resistance range: 1K-100KΩ
- Resistance tolerance: ±10%
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C

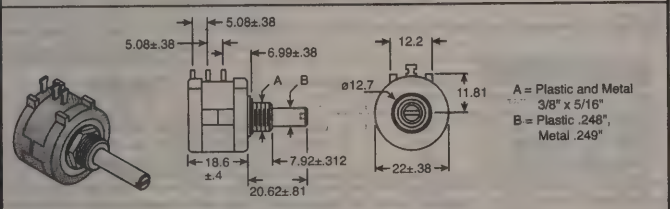
RoHS Compliant

MOUSER STOCK NO.		Value (Ω)	Resolution	Price Each					
Mfr.	Mfr. Part No.			1	5	10	25	50	100+
652	3540S-1-101L	100	0.042	13.38	12.71	12.26	11.14	9.98	Call for Quote
652	3540S-1-201L	200	0.042	13.38	12.71	12.26	11.14	9.98	
652	3540S-1-501L	500	0.031	13.38	12.71	12.26	11.14	9.98	
652	3540S-1-102L	1K	0.027	13.38	12.71	12.26	11.14	9.98	
652	3540S-1-202L	2K	0.021	13.38	12.71	12.26	11.14	9.98	
652	3540S-1-502L	5K	0.021	13.38	12.71	12.26	11.14	9.98	
652	3540S-1-103L	10K	0.019	13.38	12.71	12.26	11.14	9.98	
652	3540S-1-203L	20K	0.014	13.38	12.71	12.26	11.14	9.98	
652	3540S-1-503L	50K	0.011	14.88	14.14	13.39	12.28	10.79	
652	3540S-1-104L	100K	0.008	16.72	15.88	15.05	13.19	12.54	

MOUSER STOCK NO.		Value (Ω)	Price Each					
Mfr.	Mfr. Part No.		1	5	10	25	50	100+
652	3541H-1-102L	1K	28.28	26.86	25.45	23.33	21.21	Call for Quote
652	3541H-1-502L	5K	28.28	26.86	25.45	23.33	21.21	
652	3541H-1-103L	10K	28.28	26.86	25.45	23.33	21.21	

3590 SERIES 10 TURN PRECISION POTENTIOMETER

DIMENSIONS: mm


5.08±.38
5.08±.38
6.99±.38
A
B
18.6
±.4
7.92±.312
20.62±.81
12.2
ø12.7
11.81
22±.38
A = Plastic and Metal
3/8" x 5/16"
B = Plastic .248",
Metal .249"

Tolerances Except Where Noted, Decimals=.xx=±.51;.xxx=±.13

Specifications:

- Resistance tolerance: ±5%
- Power rating: 2 Watts

Features:

- Plastic or metal shaft and bushings
- Wirewound
- Solder lugs

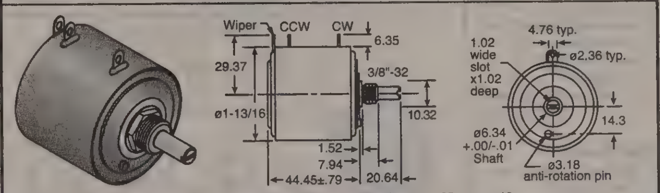
RoHS Compliant

For quantities of 150 and up, call for quote.

MOUSER STOCK NO.		Values (Ω)	Resolution (%)	Price Each					
Mfr.	Mfr. Part No.			1	5	10	25	50	100
Plastic Bushing and Shaft									
652	3590S-1-102L	1K	0.029	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-1-202L	2K	0.023	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-1-502L	5K	0.025	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-1-103L	10K	0.020	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-1-203L	20K	0.019	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-1-503L	50K	0.013	12.10	11.50	10.89	9.98	9.68	9.08
652	3590S-1-104L	100K	0.009	12.98	12.33	11.68	10.71	10.38	9.74
Metal Bushing and Shaft									
652	3590S-2-501L	500	0.029	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-2-102L	1K	0.029	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-2-202L	2K	0.023	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-2-502L	5K	0.025	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-2-103L	10K	0.020	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-2-203L	20K	0.019	10.02	9.52	9.02	8.27	8.02	7.52
652	3590S-2-503L	50K	0.013	12.10	11.50	9.98	9.07	9.68	9.08
652	3590S-2-104L	100K	0.009	12.98	12.33	10.71	10.38	9.74	9.74

3400 SERIES 10-TURN WIREWOUND/PRECISION

DIMENSIONS: mm


Wiper
CCW
CW
6.35
29.37
3/8"-32
ø1-13/16
10.32
1.52
7.94
44.45±.79
20.64
1.02
wide
slot
x1.02
deep
4.76 typ.
ø2.36 typ.
14.3
ø6.34
+.00/-.01
Shaft
ø3.18
anti-rotation pin

Tolerances Except Where Noted, Decimals=.xx=±.25;.xxx=±.13

Features:

- Bushing mount
- Excellent wiper stability
- High stop strength
- Sealable

Specifications:

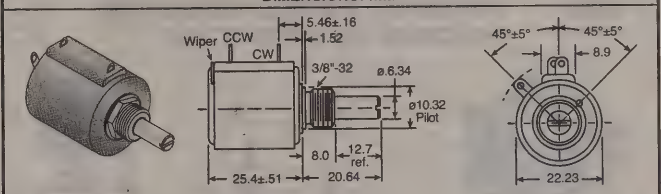
- Resistance tolerance: ±3%
- Power rating: 5W

RoHS Compliant

MOUSER STOCK NO.		Value (Ω)	Price Each					
Mfr.	Mfr. Part No.		1	5	10	25	50	100+
652	3400S-1-102L	1K	88.50	84.00	80.00	73.00	65.00	Call for Quote
652	3400S-1-502L	5K	88.50	84.00	80.00	73.00	65.00	
652	3400S-1-103L	10K	88.50	84.00	80.00	73.00	65.00	

3500 SERIES 10-TURN/WIREWOUND/PRECISION

DIMENSIONS: mm


5.46±.16
1.52
Wiper
CCW
CW
3/8"-32
ø.6.34
ø10.32
Pilot
8.0
12.7
ref.
25.4±.51
20.64
45°±5°
45°±5°
8.9
22.23

Features:

- Bushing mount
- Sealable
- Gangable

Specifications:

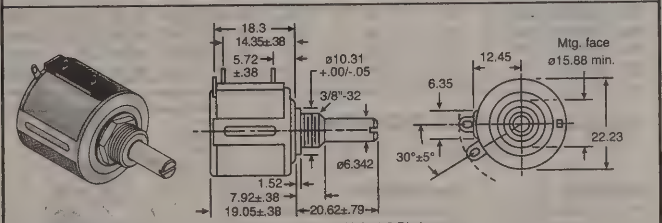
- Resistance tolerance: ±3%
- Power rating: 70°C - 2W; 125°C - 0W
- Temperature range: -65°C to +125°C
- Temperature coefficient: ±50ppm/°C
- Shaft Length: 13/16 Metal Bushing

RoHS Compliant

MOUSER STOCK NO.		Value (Ω)	Resolution	Price Each					
Mfr.	Mfr. Part No.			1	5	10	25	50	100+
652	3500S-2-102L	1K	0.03	41.71	39.67	37.91	33.80	32.10	Call for Quote
652	3500S-2-502L	5K	0.018	41.71	39.67	37.91	33.80	32.10	
652	3500S-2-103L	10K	0.019	41.71	39.67	37.91	33.80	32.10	

3543/3545 SERIES/WIREWOUND/PRECISION

DIMENSIONS: mm


18.3
14.35±.38
5.72
±.38
ø10.31
+.00/-.05
3/8"-32
ø6.342
1.52
7.92±.38
19.05±.38
20.62±.79
6.35
12.45
Mtg. face
ø15.88 min.
22.23
30°±5°

(Suggested Panel Hole 1.6 Dia.)

Specifications for 3543 3-Turn:

- Standard resistance range: 20-50KΩ
- Resistance tolerance: ±5%
- Power rating: 70°C - 1W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±50ppm/°C

Specifications for 3545 5-Turn:

- Standard resistance range: 50-50KΩ
- Resistance tolerance: ±5%
- Power rating: 70°C - 1.5W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±50ppm/°C

RoHS Compliant

MOUSER STOCK NO.		Value (Ω)	Resolution	Price Each					
Mfr.	Mfr. Part No.			1	5	10	25	50	100+
3-Turn									
652	3543S-1-102L	1K	0.077	22.62	22.09	20.95	19.20	17.73	Call for Quote
652	3543S-1-202L	2K	0.062	22.62	22.09	20.95	19.20	17.73	
652	3543S-1-502L	5K	0.047	22.62	22.09	20.95	19.20	17.73	
652	3543S-1-103L	10K	0.040	22.62	22.09	20.95	19.20	17.73	
5-Turn									
652	3545S-1-102L	1K	0.043	23.30	22.75	21.58	19.78	15.07	Call for Quote
652	3545S-1-202L	2K	0.044	23.30	22.75	21.58	19.78	15.07	
652	3545S-1-502L	5K	0.038	23.30	22.75	21.58	19.78	15.07	
652	3545S-1-103L	10K	0.029	23.30	22.75	21.58	19.78	15.07	

BOURNS Precision Potentiometers and Dials

Reliable Electronic Solutions

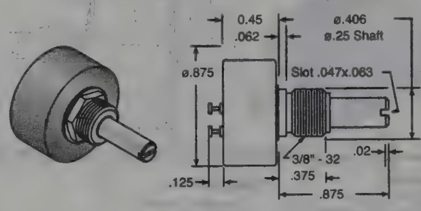
6639 SERIES/CONDUCTIVE PLASTIC/PRECISION

Features:
- Essentially infinite resolution
- Excellent rotational life
- High quality, rugged construction
- General purpose applications

Specifications:
- Resistance tolerance: ±15%
- Power rating: 1.0W
- Mechanical angle: continuous

✻ Non-standard features available

DIMENSIONS: in.



MOUSER STOCK NO.		Value (Ω)	Price Each					
Mfr.	Mfr. Part No.		1	10	25	50	100	250+
652	6639S-1-102	1K	11.40	11.10	10.25	9.25	8.40	Call for Quote
652	6639S-1-202	2K	11.40	11.10	10.25	9.25	8.40	
652	6639S-1-502	5K	11.40	11.10	10.25	9.25	8.40	
652	6639S-1-103	10K	11.40	11.10	10.25	9.25	8.40	
652	6639S-1-203	20K	11.40	11.10	10.25	9.25	8.40	

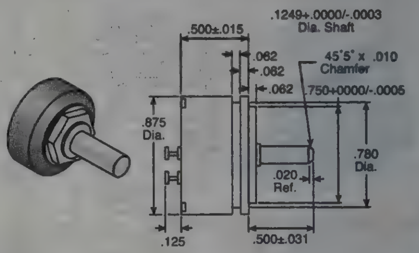
6539 SERIES/CONDUCTIVE PLASTIC/PRECISION

Features:
- Essentially infinite resolution
- Excellent rotational life
- High quality, rugged construction
- Servo mount
- General purpose applications

Specifications:
- Resistance tolerance: ±15%
- Power rating: 1.0W
- Mechanical angle: continuous

✻ Non-standard features available

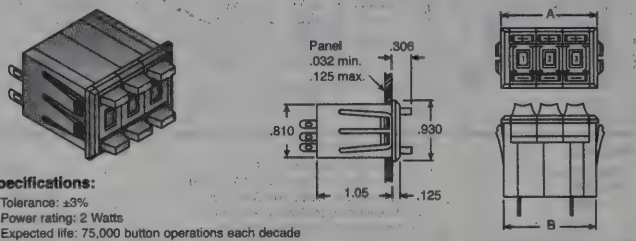
DIMENSIONS: in.



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Value (Ω)	Price Each					
Mfr.	Mfr. Part No.		1	2	5	10	25	50
652	6539S-1-102	1k	46.29	38.58	30.86	27.77	24.90	23.15
652	6539S-1-502	5k	46.29	38.58	30.86	27.77	24.90	23.15
652	6539S-1-103	10k	46.29	38.58	30.86	27.77	24.90	23.15

3680 SERIES DIGITAL PUSHBUTTON PRECISION POTENTIOMETERS



DIMENSIONS: in.

Specifications:
- Tolerance: ±3%
- Power rating: 2 Watts
- Expected life: 75,000 button operations each decade

Features:
- Snap-in panel mount
- Repeatable settings
- Resolution to 0.001%
- Digital display provides excellent readability

For quantities of 100 and up, call for quote.

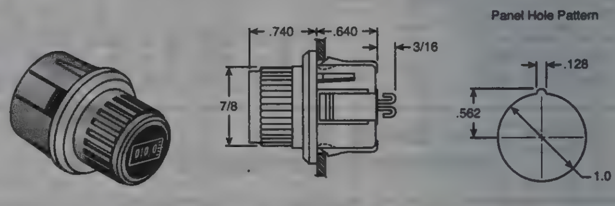
MOUSER STOCK NO.		Values (Ω)	Dimensions: in.		Price Each				
Mfr.	Mfr. Part No.		A	B	1	5	10	25	50
2 Decade Pushbutton									
652	3682S-1-102	1K	1.05	0.99	27.34	25.97	24.61	21.88	20.23
652	3682S-1-502	5K	1.05	0.99	27.34	25.97	24.61	21.88	20.23
652	3682S-1-103	10K	1.05	0.99	27.34	25.97	24.61	21.88	20.23
3 Decade Pushbutton									
652	3683S-1-102	1K	1.46	1.39	40.46	38.44	36.42	32.37	29.94
652	3683S-1-502	5K	1.46	1.39	40.46	38.44	36.42	32.37	29.94
652	3683S-1-103	10K	1.46	1.39	40.46	38.44	36.42	32.37	29.94
652	3683S-1-104	100K	1.46	1.39	40.46	38.44	36.42	32.37	29.94

3610 SERIES 10 TURN PRECISION POTENTIOMETER

Specifications:
- Tolerance: ±5%
- Power rating: 1.5 Watts
- Rotational life: 50,000 revolutions

Features:
- Snap-in mounting, easy one hole
- Space saving: extends only 5/8" behind most panels
- Digital dial provides excellent reliability

DIMENSIONS: in.



Snap-in mounting clip accommodates panel thickness No.22GA thru No.14GA

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Values (Ω)	Resolution (%)	Price Each				
Mfr.	Mfr. Part No.			1	5	10	25	50
652	3610S-1-102	1K	0.035	60.92	57.87	54.83	48.74	45.07
652	3610S-1-502	5K	0.027	60.92	57.87	54.83	48.74	45.07
652	3610S-1-103	10K	0.022	60.92	57.87	54.83	48.74	45.07

TURNS-COUNTING DIALS

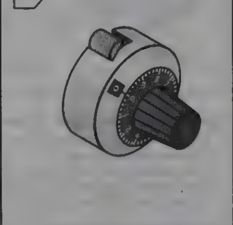
Applications:

H-46:
- Power supplies
- Sensors
- Medical
- Automation
- Test equipment

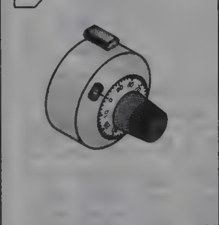
H-550:
- Automation equipment
- Test instrument
- Industrial machinery
- Medical instrumentation excluding critical life support applications
- Test Equipment

Specifications:
- Mount directly to potentiometer shaft
- No backlash
- Excellent readability
- Locking brake

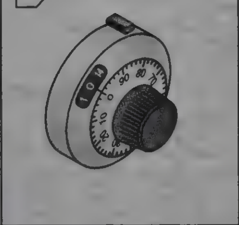
A



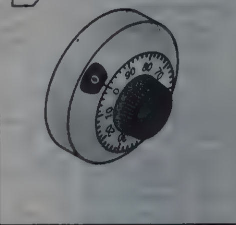
B



C



D



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	No. of Turns	Body Dia.: in.	Body Finish	Fits shaft Dia.: in.	Price Each					
Mfr.	Mfr. Part No.						1	5	10	25	50	100
652	H-492-3	A	0 to 30	1.0	Clear	0.25	20.13	18.64	17.14	16.78	15.73	14.62
652	H-494-3	A	0 to 30	1.0	Black	0.25	20.13	18.64	17.14	16.78	15.73	14.62
652	H-494-2	A	0 to 30	1.0	Black	0.12	20.13	18.64	17.14	16.78	15.73	14.62
652	H-22-6A	B	0 to 15	0.874	Chrome	0.25	10.26	8.52	8.25	8.10	7.95	7.70
652	H-22-6A-B	B	0 to 15	0.874	Black	0.25	10.26	8.52	8.25	8.10	7.95	7.70
652	H-23-6A	B	0 to 15	0.874	Polished Chrome	0.25	10.26	8.52	8.25	8.10	7.95	7.70
652	H-22-3A	B	0 to 15	0.874	Satin Chrome	0.12	10.26	8.52	8.25	8.10	7.95	7.70
652	H-46-6A	C	0 to 20	1.811	Chrome	0.25	20.12	18.25	17.51	15.92	14.50	14.37
652	H-550-6A	D	0 to 11	1.811	Gray	0.25	14.50	13.05	12.33	11.68	11.15	10.53

ETI SYSTEMS High Precision Single Turn Potentiometers

RoHS Compliant **This page of product is compliant.**

SP22E / SW22E SERIES

SP22E Series: Conductive Plastic

- Life Expectancy: 10 million turns
- Resistance Tolerance: ±15% standard (±10% available)
- Linearity Tolerance: ±1.5% standard (±1% available)
- Operating temp.: -55°C to +125°C (105°C sustained)
- Power Rating: 1 Watt

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-SP22E-1K	SP22E-1K	A	1K	13.65	12.50	10.90
882-SP22E-2K	SP22E-2K	A	2K	13.65	12.50	10.90
882-SP22E-5K	SP22E-5K	A	5K	13.65	12.50	10.90
882-SP22E-10K	SP22E-10K	A	10K	13.65	12.50	10.90

SW22E Series: Wirewound

- Life Expectancy: 500,000 turns
- Resistance Tolerance: ±3% standard (±1.0% available)
- Linearity Tolerance: ±0.5% standard (±0.25% available)
- Power Rating: 0.5 Watt

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	1	5	10
882-SW22E-1K	SW22E-1K	A	1K	28.35	25.20	21.40
882-SW22E-5K	SW22E-5K	A	5K	28.35	25.20	21.40
882-SW22E-10K	SW22E-10K	A	10K	28.35	25.20	21.40

SP22G / SP22GS SERIES

- Conductive Plastic Element, Solderable Double Turret Terminals
- Operating Temperature: -55°C to +125°C (105°C sustained)
- Resistance Tolerance: ±10% standard (±5% available)
- Linearity: ±1.0% standard (up to ±0.25% available)
- Life Expectancy: 10 million turns
- Power Rating: 1 Watt

SP22G Series: Conductive Plastic

- Brass Bushing, 1/4" Dia. Stainless Steel Shaft

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-SP22G-1K	SP22G-1K	B	1K	13.65	12.50	10.90
882-SP22G-2K	SP22G-2K	B	2K	13.65	12.50	10.90
882-SP22G-5K	SP22G-5K	B	5K	13.65	12.50	10.90
882-SP22G-10K	SP22G-10K	B	10K	13.65	12.50	10.90

SP22GS Series: Servo Mount, Conductive Plastic

- 1/8" Dia. Stainless Steel Shaft, Ball Bearing

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	1	5	10
882-SP22GS-1K	SP22GS-1K	C	1K	56.00	50.40	44.80
882-SP22GS-5K	SP22GS-5K	C	5K	56.00	50.40	44.80
882-SP22GS-10K	SP22GS-10K	C	10K	56.00	50.40	44.80

PRECISION TURN COUNTING DIALS / POT COMBINATIONS

DW22 Series: Digital

- Uses ETI Systems Potentiometer MW22B
- Resistance Range: 100 to 100KΩ
- Resistance Tolerance: ±5% standard
- Linearity Tolerance: ±0.25% standard
- Power Rating: 2 Watts
- Counts 10 turns (000 to 999 counts)
- Over the Center Lock
- Diameter- 1 1/16", Extension from Panel- 1.24"
- Operating Temperature: -30°C to +85°C

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Price Each		
				1	5	10
882-DW22-10-100	DW22-10-100	D	100	77.60	71.30	65.05
882-DW22-10-1K	DW22-10-1K	D	1K	77.60	71.30	65.05
882-DW22-10-2K	DW22-10-2K	D	2K	77.60	71.30	65.05
882-DW22-10-5K	DW22-10-5K	D	5K	77.60	71.30	65.05
882-DW22-10-10K	DW22-10-10K	D	10K	77.60	71.30	65.05

DC22 Series: With Lock

- Resistance Tolerance: ±5%
- Power Rating: 2 Watts
- Operating Temperature: -30°C to +85°C
- Temp Coefficient: ±20ppm/°C
- Counts up to 10 turns (000-999)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	1	5	10
882-DC22-10-1K	DC22-10-1K	E	1K	77.60	71.30	65.05
882-DC22-10-2K	DC22-10-2K	E	2K	77.60	71.30	65.05
882-DC22-10-5K	DC22-10-5K	E	5K	77.60	71.30	65.05
882-DC22-10-10K	DC22-10-10K	E	10K	77.60	71.30	65.05

CONCENTRIC TURN COUNTING DIALS

MF46 Series: Counts 20 Turns

- 100 Dial Gradations for Exceptional Setability
- Aluminum Housing, Black Nylon Knob
- Over the Center Lock Available
- Diameter- 1 13/16", Extension from Panel- 1"

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Finish	Price Each		
				1	5	10
882-MF46L-1/4	MF46L-1/4	F	Satin	38.65	32.20	29.80

MG Series: Counts 20 Turns

- One Piece Mounting
- Over the Center Lock Available
- Diameter- 7/8", Extension from Panel- 1.0"
- Maximum Panel Thickness- 1/4"

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Finish	1	5	10
882-MGA22L-1/4	MGA22L-1/4	G	Black	21.20	18.20	16.45
882-MG22L-1/4	MG22L-1/4	G	Satin	21.20	18.20	16.45

MB Series: Counts 10 Turns

- Over the Center Lock Available
- Diameter- 1", Extension from Panel- 1.06"
- Panel Thickness - 1/16" to 1/8"

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Finish	1	5	10
882-MB25L-1/4	MB25L-1/4	H	Satin	30.40	27.45	25.35
882-MBA25L-1/4	MBA25L-1/4	H	Black	30.40	27.45	25.35

DB Series: Counts 10 Turns

- Counts up to 10 turns (000-999)
- Over the Center Lock Standard
- Height - 1-3/4", Width - 1", Extension from Panel - 1"

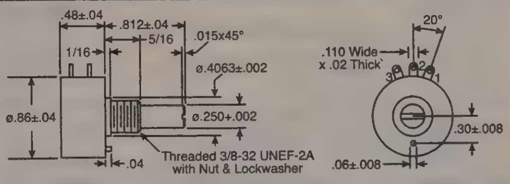
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Finish	1	5	10
882-DB10SL-1/4	DB10SL-1/4	I	Satin	43.45	39.10	35.50

DIMENSIONS: in.

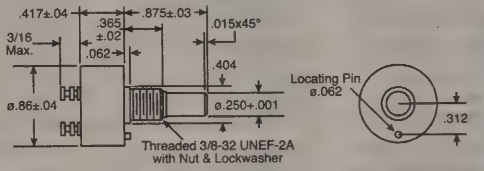
A

RoHS Compliant


.48±.04
.812±.04
1/16
5/16
.015x45°
ø.4063±.002
ø.86±.04
ø.250+.002
.04
Threaded 3/8-32 UNEF-2A with Nut & Lockwasher
20°
.110 Wide x .02 Thick
3
2
1
.30±.008
.06±.008

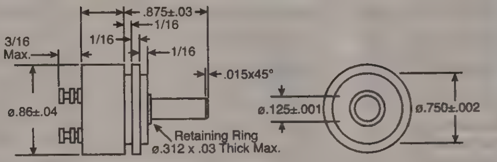
B

RoHS Compliant


.417±.04
.365 ±.02
.875±.03
.015x45°
3/16 Max.
.062
.404
ø.86±.04
ø.250+.001
Threaded 3/8-32 UNEF-2A with Nut & Lockwasher
Locating Pin ø.062
.312

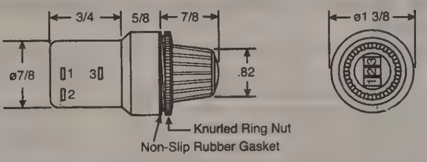
C

RoHS Compliant


.875±.03
1/16
3/16 Max.
1/16
1/16
.015x45°
ø.86±.04
ø.125±.001
ø.750±.002
Retaining Ring ø.312 x .03 Thick Max.

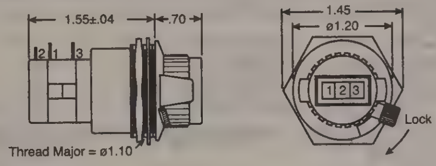
D

RoHS Compliant


3/4
5/8
7/8
ø1 3/8
ø7/8
1
3
2
.82
Knurled Ring Nut
Non-Slip Rubber Gasket

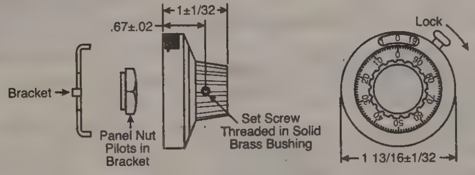
E

RoHS Compliant


1.55±.04
.70
2
1
3
1.45
ø1.20
1 2 3
Lock
Thread Major = ø1.10

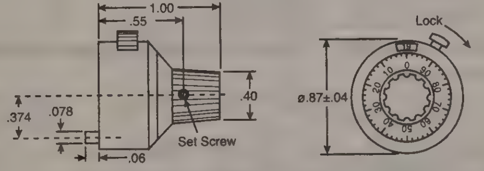
F

RoHS Compliant


1±1/32
.67±.02
Bracket
Panel Nut Pilots in Bracket
Set Screw Threaded in Solid Brass Bushing
Lock
1 13/16±1/32

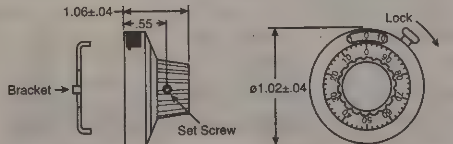
G

RoHS Compliant


1.00
.55
.40
.374
.078
.06
Set Screw
Lock
ø.87±.04

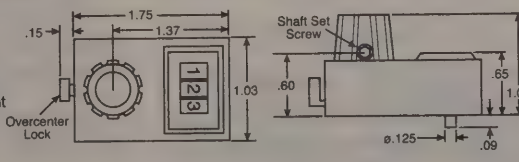
H

RoHS Compliant


1.06±.04
.55
Bracket
Set Screw
Lock
ø1.02±.04

I

RoHS Compliant


1.75
1.37
.15
1 2 3
1.03
Overcenter Lock
Shaft Set Screw
.60
.65
1.02
ø.125
.09

ETI SYSTEMS Precision Multi-Turn Potentiometers

RoHS Compliant **This page of product is compliant.**

MW22B SERIES: MULTI-TURN WIREWOUND POTENTIOMETERS

Specifications:
- Wirewound Element: High Temperature Thermo Plastic Housing
- Life Expectancy: 1 million turns
- Resistance Tolerance: ±5% Standard (±1% special order)
- Linearity Tolerance: ±0.25% Standard (±0.1% special order)
- Torque: 0.7 oz. in. max.

Applications:
- Medical Equipment (non-life support)
- Test and Lab Equipment
- Industrial Applications

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
3 Turn							
882-MW22B-3-100	MW22B-3-100	A	100	1	**8.95**	**8.40**	**7.25**
882-MW22B-3-200	MW22B-3-200	A	200	1	**8.95**	**8.40**	**7.25**
882-MW22B-3-500	MW22B-3-500	A	500	1	**8.95**	**8.40**	**7.25**
882-MW22B-3-1K	MW22B-3-1K	A	1K	1	**8.95**	**8.40**	**7.25**
882-MW22B-3-2K	MW22B-3-2K	A	2K	1	**8.95**	**8.40**	**7.25**
882-MW22B-3-5K	MW22B-3-5K	A	5K	1	**8.95**	**8.40**	**7.25**
882-MW22B-3-10K	MW22B-3-10K	A	10K	1	**8.95**	**8.40**	**7.25**
882-MW22B-3-20K	MW22B-3-20K	A	20K	1	**12.65**	**11.90**	**10.45**
5 Turn							
882-MW22B-5-5K	MW22B-5-5K	A	5K	1	**8.95**	**8.40**	**7.25**
882-MW22B-5-10K	MW22B-5-10K	A	10K	1	**8.95**	**8.40**	**7.25**
10 Turn							
882-MW22B-10-100	MW22B-10-100	A	100	2	**8.95**	**8.40**	**7.25**
882-MW22B-10-500	MW22B-10-500	A	500	2	**8.95**	**8.40**	**7.25**
882-MW22B-10-1K	MW22B-10-1K	A	1K	2	**8.95**	**8.40**	**7.25**
882-MW22B-10-2K	MW22B-10-2K	A	2K	2	**8.95**	**8.40**	**7.25**
882-MW22B-10-5K	MW22B-10-5K	A	5K	2	**8.95**	**8.40**	**7.25**
882-MW22B-10-10K	MW22B-10-10K	A	10K	2	**8.95**	**8.40**	**7.25**
882-MW22B-10-20K	MW22B-10-20K	A	20K	2	**8.95**	**8.40**	**7.25**
882-MW22B-10-50K	MW22B-10-50K	A	50K	2	**11.45**	**10.75**	**9.75**
882-MW22B-10-100K	MW22B-10-100K	A	100K	2	**11.45**	**10.75**	**9.75**

MH22B SERIES: HYBRID MULTI-TURN WIREWOUND POTENTIOMETERS

Specifications:
- Wirewound Element: High Temperature Thermo Plastic Housing
- Life Expectancy: 10 million turns
- Resistance Tolerance: ±10% Standard (±5% special order)
- Linearity Tolerance: ±0.25% Standard (±0.1% special order)
- Torque: 0.7 oz. in. max.

Applications:
- Medical Equipment (non-life support)
- Test and Lab Equipment
- Industrial Applications

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
3 Turn							
882-MH22B-3-5K	MH22B-3-5K	A	5K	1	**49.15**	**44.50**	**40.65**
10 Turn							
882-MH22B-10-1K	MH22B-10-1K	A	1K	2	**49.15**	**44.50**	**40.65**
882-MH22B-10-2K	MH22B-10-2K	A	2K	2	**49.15**	**44.50**	**40.65**
882-MH22B-10-5K	MH22B-10-5K	A	5K	2	**49.15**	**44.50**	**40.65**
882-MH22B-10-10K	MH22B-10-10K	A	10K	2	**49.15**	**44.50**	**40.65**

MW20B SERIES: WIREWOUND POTENTIOMETERS

Specifications:
- Wirewound Element: High Impact Housing
- Life Expectancy: 2 million turns
- Resistance Tolerance: ±3% Standard (±1% special order)
- Linearity Tolerance: ±0.2% Standard (±0.1% special order)
- Torque: 0.7 oz. in. max.

Applications:
- Medical Equipment (non-life support)
- Test and Lab Equipment
- Robotics Applications

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
10 Turn							
882-MW20B-10-500	MW20B-10-500	B	500	2	**38.00**	**35.80**	**31.50**
882-MW20B-10-1K	MW20B-10-1K	B	1K	2	**38.00**	**35.80**	**31.50**
882-MW20B-10-2K	MW20B-10-2K	B	2K	2	**38.00**	**35.80**	**31.50**
882-MW20B-10-5K	MW20B-10-5K	B	5K	2	**38.00**	**35.80**	**31.50**
882-MW20B-10-10K	MW20B-10-10K	B	10K	2	**38.00**	**35.80**	**31.50**

MR46B SERIES: HIGHEST PRECISION WIREWOUND POTENTIOMETERS

Specifications:
- Wirewound Element: Aluminum Anodized Housing and Servo Lid
- Stainless Steel Shaft, Silver Plated Terminals, Bushing Bearings
- Life Expectancy: 2 million turns
- Resistance Tolerance: ±3% Standard (±1% special order)
- Linearity Tolerance: ±0.3% Standard (±0.1% special order)
- Rotational Torque: 28 oz. in.

Applications:
- Robotics
- Heavy Equipment
- Industrial Applications

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
10 Turn							
882-MR46B-10-100	MR46B-10-100	C	100	5	**71.65**	**69.80**	**61.35**
882-MR46B-10-5K	MR46B-10-5K	C	5K	5	**71.65**	**69.80**	**61.35**
882-MR46B-10-10K	MR46B-10-10K	C	10K	5	**71.65**	**69.80**	**61.35**
882-MR46B-10-100K	MR46B-10-100K	C	100K	5	**81.60**	**78.05**	**68.35**

SMR SERIES: WIREWOUND SWITCHPOTS

Specifications:
- Wirewound Element: Aluminum Anodized Housing and Servo Lid
- Snap Action Switches at each end of travel
- Switches isolated from pot circuit
- Stainless Steel Shaft, Silver Plated Terminals, Bushing Bearings
- Life Expectancy: 2 million turns
- Resistance Tolerance: ±3% Standard (±1% special order)
- Linearity Tolerance: ±0.3% Standard (±0.1% special order)
- Rotational Torque: 28 oz. in.

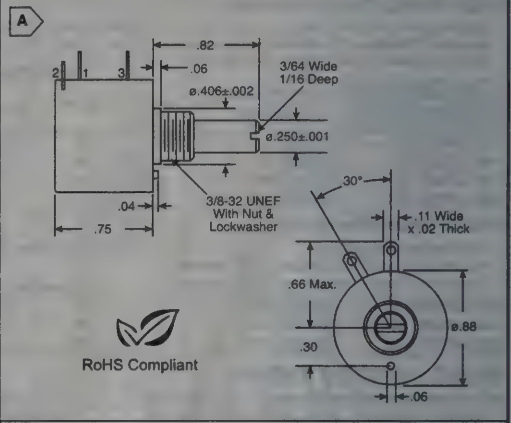
Applications:
- Robotics
- Heavy Equipment
- Industrial Applications

For quantities of 25 and up, call for quote.

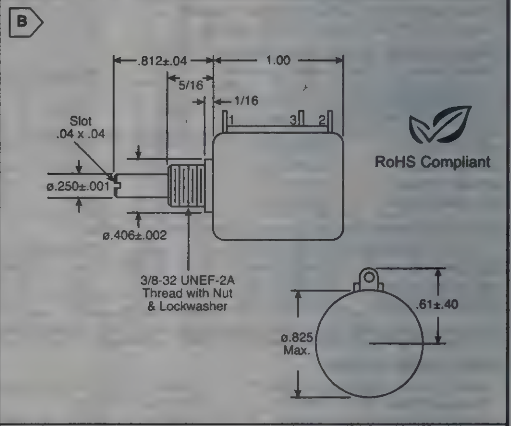
MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Power Rating (Watts)	Price Each		
					1	5	10
10 Turn							
882-SMR46B-10-1-5K	SMR46B-10-1-5K	D	5K	5	**106.40**	**100.50**	**85.70**
882-SMR46B-10-1-10K	SMR46B-10-1-10K	D	10K	5	**106.40**	**100.50**	**85.70**

DIMENSIONS: in.

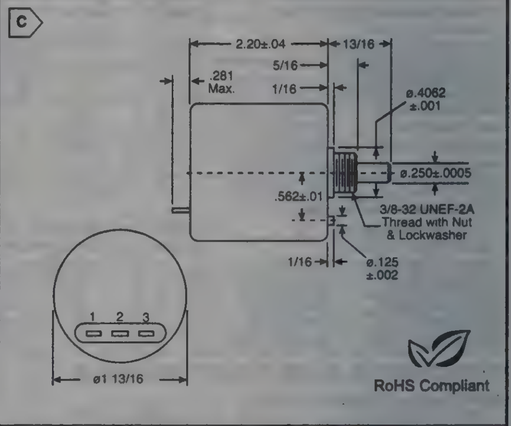
A


.82
.06
3/64 Wide
1/16 Deep
2
1
3
ø.406±.002
ø.250±.001
.04
.75
3/8-32 UNEF
With Nut &
Lockwasher
30°
.11 Wide
x .02 Thick
.66 Max.
ø.88
.30
.06
RoHS Compliant

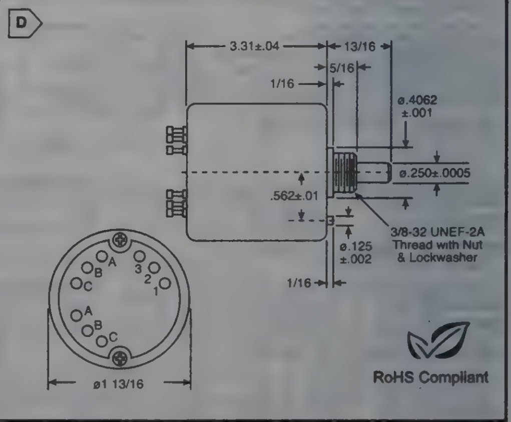
B


.812±.04
1.00
5/16
1/16
Slot
.04 x .04
1
3
2
ø.250±.001
ø.406±.002
3/8-32 UNEF-2A
Thread with Nut
& Lockwasher
.61±.40
ø.825
Max.
RoHS Compliant

C


2.20±.04
13/16
5/16
.281
Max.
1/16
ø.4062
±.001
ø.250±.0005
.562±.01
3
3/8-32 UNEF-2A
Thread with Nut
& Lockwasher
1/16
ø.125
±.002
1
2
3
ø1 13/16
RoHS Compliant

D


3.31±.04
13/16
5/16
1/16
ø.4062
±.001
ø.250±.0005
.562±.01
3
ø.125
±.002
3/8-32 UNEF-2A
Thread with Nut
& Lockwasher
1/16
A
B
C
3
2
1
A
B
C
ø1 13/16
RoHS Compliant

ETI SYSTEMS Linear Potentiometers and Joysticks

RoHS Compliant This page of product is compliant.

CONDUCTIVE PLASTIC PRECISION LINEAR MOTION POTENTIOMETERS

LCP12 Series

- Black Anodized Aluminum Body, Stainless Steel Shaft, Gold Plated Terminals
- Life Expectancy: 20 million strokes
- Resistance Tolerance: ±20% (±10% Available)
- Electrical Stroke: 1" to 4"
- Friction: 1.8 oz.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Shaft Type	Stroke (mm)	Linearity (Ind.)	Power Rating	Dimensions: In.		Price Each		
								A	B	1	5	10
882-LCP12S-12-10K	LCP12S-12-10K	A	10K	Spring Return	12	±1.5%	0.2W	1.50	1.26	112.45	103.80	97.10
882-LCP12B-25-5K	LCP12B-25-5K	A	5K	#5-40 Thread	25	±1.0%	0.4W	2.00	1.77	111.80	106.10	99.25
882-LCP12S-25-1K	LCP12S-25-1K	A	1K	Spring Return	25	±1.0%	0.4W	2.00	1.77	143.70	131.70	125.45
882-LCP12S-25-10K	LCP12S-25-10K	A	10K	Spring Return	25	±1.0%	0.4W	2.00	1.77	143.70	131.70	125.45
882-LCP12A-50-5K	LCP12A-50-5K	A	5K	#4-40 Thread	50	±0.7%	0.7W	3.00	2.75	134.40	127.40	119.20
882-LCP12A-50-10K	LCP12A-50-10K	A	10K	#4-40 Thread	50	±0.7%	0.7W	3.00	2.75	134.40	127.40	119.20
882-LCP12B-50-5K	LCP12B-50-5K	A	5K	#5-40 Thread	50	±0.7%	0.7W	3.00	2.75	134.40	127.40	119.20
882-LCP12B-50-10K	LCP12B-50-10K	A	10K	#5-40 Thread	50	±0.7%	0.7W	3.00	2.75	134.40	127.40	119.20
882-LCP12S-50-10K	LCP12S-50-10K	A	10K	Spring Return	50	±0.7%	0.7W	3.00	2.75	170.50	162.35	152.30
882-LCP12S-100-10K	LCP12S-100-10K	A	10K	Spring Return	100	±0.5%	1.2W	5.00	4.76	265.85	251.75	244.80

LCP8 Series

- Life Expectancy: 20 million strokes
- Electrical Stroke: 0.433 - 0.500 inches
- Resistance Tolerance: ±15% (±10% Available)
- Friction: 30 grams

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Shaft Type	Stroke (mm)	Linearity (Ind.)	Power Rating	Dimensions: In.		Price Each		
								A	B	1	5	10
882-LCP8P-10-5K	LCP8P-10-5K	B	5K	Plain	10	±2.0%	0.2W	1.259	1.00	42.75	38.45	35.25
882-LCP8P-10-10K	LCP8P-10-10K	B	10K	Plain	10	±2.0%	0.2W	1.259	1.00	42.75	38.45	35.25
882-LCP8S-10-5K	LCP8S-10-5K	B	5K	Spring Return	10	±2.0%	0.2W	1.259	1.00	54.50	50.75	47.85
882-LCP8S-10-10K	LCP8S-10-10K	B	10K	Spring Return	10	±2.0%	0.2W	1.259	1.00	54.50	50.75	47.85
882-LCP8T-10-10K	LCP8T-10-10K	B	10K	#2-56 Thread UNC-2A	10	±2.0%	0.2W	1.259	1.00	54.50	50.75	47.85

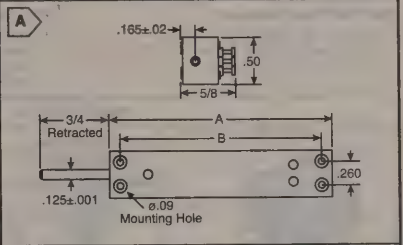
LCPL SERIES: OPEN FRAME LINEAR POTENTIOMETERS

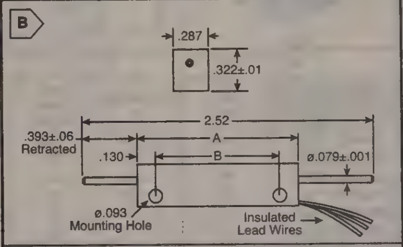
- Conductive Plastic Element
- Open Frame with Moveable Contact Slider
- Anodized Aluminum Housing, Gold Plated Brass Terminals
- Life Expectancy: 10 million strokes
- Resistance Tolerance: ±20% (±10% Available)
- Electrical Stroke: 7.874" to 39.567"

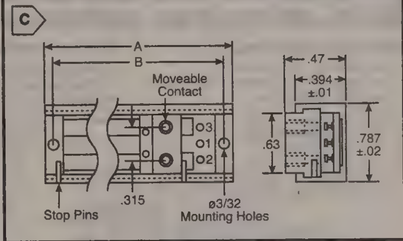
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Ohms	Linearity (Independent)	Power Rating	Stroke (mm)	Dimensions: In.		Price Each		
							A	B	1	5	10
882-LCPL200-5K	LCPL200-5K	C	5K	±0.5%	2.0 Watts	200	9.843	13.780	136.50	130.25	120.50
882-LCPL300-10K	LCPL300-10K	C	10K	±0.5%	2.5 Watts	300	9.450	13.386	145.50	135.25	125.50

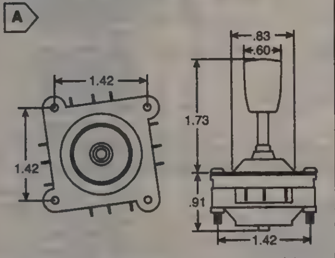
DIMENSIONS: in.



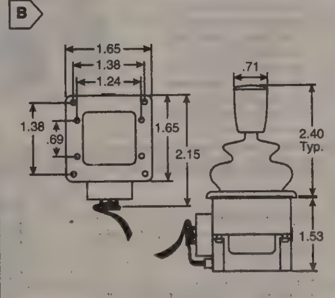




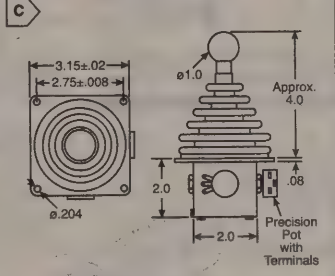
DIMENSIONS: in.



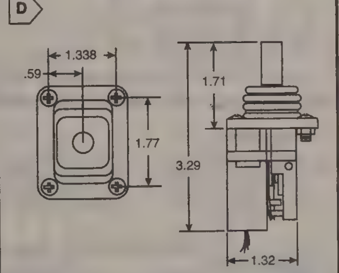
- 24° deflection angle (±12°)
- Capable of 4-way or 8-way directional switching
- Single axis and plus (+) pattern limiter plates included
- Four 5 amp/250VAC SPST directional switches



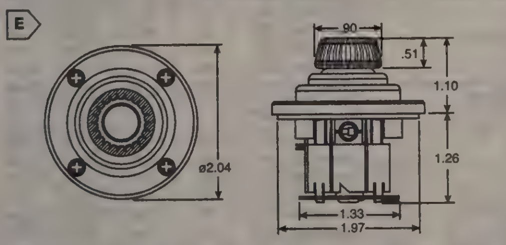
- 55° deflection angle (±27.5°)
- 5KΩ 340° potentiometer
- Square deflection pattern



- 60° deflection angle (±30°)
- Panel mounting bracket
- Circular deflection pattern
- 10KΩ precision potentiometer



- 40° deflection angle (±20°)
- 10KΩ precision potentiometer

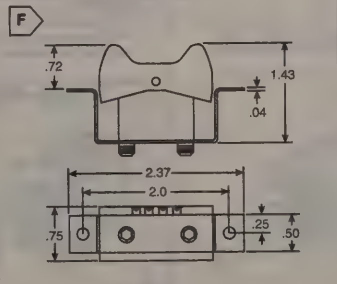


Electrical Specifications:

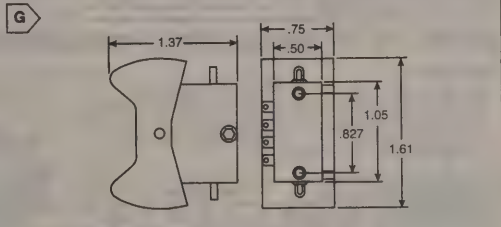
- Current consumption: approx. 6mA
- Applied Voltage 5VDC ±10%
- 0.5V to 4.5V output
- Linearity (independent): ±3.0%
- Lever Electrical Angle X, Y Axis: 30° Max.
- Lever Electrical Angle Z Axis: 60° Max.

Mechanical Specifications:

- 30° deflection angle (±15°)
- Z axis twist knob (±30°)
- IP54 Rating
- Housing material: High temp. thermoplastic



- IP54 rating
- 30° deflection angle (±15°)
- 10KΩ precision potentiometer
- Fingertip Joystick



- Hall-Effect Fingertip Joystick

Electrical Specifications:

- Current consumption: approx. 7mA
- Applied Voltage 5VDC ±10%
- 0.5V to 4.5V output
- Linearity (independent): ±3.0%
- Lever Electrical Angle: 30° Max.

Mechanical Specifications:

- IP65 Rating
- ±15° from center deflection angle
- Life expectancy: 5 million operations
- Housing material: High temp. thermoplastic

HIGH PRECISION JOYSTICK CONTROLS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Description	Price Each		
				1	5	10
882-J1-00105	J1-00105	A	Two Axis	24.90	23.44	20.50
882-J4-00211	J4-00211	B	Two Axis	119.00	112.25	106.25
882-J50-CR20-S	J50-CR20-SMB	C	Two Axis	587.40	525.60	479.20
882-J3L-IA10-SB	J3L-IA10-SB	D	Wide Angle Single Axis	139.85	125.10	110.40

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	ETI Systems Part No.	Fig.	Description	Price Each		
				1	5	10
882-J30H-XYZ-B	J30H-XYZ-B	E	Triple Axis Hall-Effect	189.20	172.50	161.00
882-J3R-I-10K	J3R-I-10K	F	Rocker Pot Single Axis	101.10	95.15	83.25
882-J3R-IT-10K	J3R-IT-10K	F	Rocker Pot Single Axis	108.60	102.20	92.60
882-J3RH-S-1	J3RH-S-1	G	Rocker Pot Hall-Effect	77.70	71.20	66.90

VISHAY / SFERNICE Precision Potentiometers

MODEL 830 THREE TURN WIREWOUND

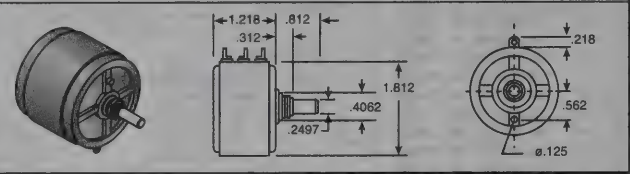
Electrical Specifications:

- Tolerance: ±3%, 200Ω ≤ Rt ≤ 150KΩ
- Power rating: 3W @ 40°C derating to 0W @ 125°C
- Electrical travel: 1,080°+4°-0°

Physical Specifications:

- Temperature: -55°C to +125°C
- Rotational Life: 500,000 shaft revolutions
- Ganging: 2 sections max.
- 3 turn 3 watts

DIMENSIONS: In.



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Resistance %	Temp. Coeff. PPM/°C	Price Each		
				1	5	10
594-830-1102	1K	0.050	110	43.99	42.41	41.35
594-830-1202	2K	0.047	20	56.74	52.16	49.75
594-830-1502	5K	0.035	20	43.99	42.41	41.35
594-830-1103	10K	0.029	20	43.99	42.41	41.35
594-830-1203	20K	0.024	20	79.54	73.13	69.75
594-830-1503	50K	0.017	20	60.92	58.73	57.27

MODEL 860 TEN TURN WIREWOUND

Physical Specifications:

- Temperature: -55°C to +125°C
- Rotational Life: 500,000 shaft revolutions
- Ganging: 2 sections max.

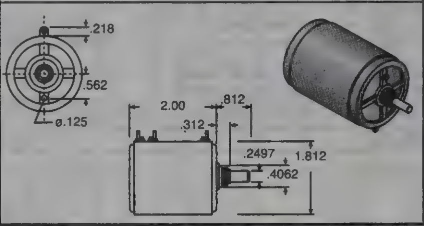
Electrical Specifications:

- Tolerance: ±3%, 200Ω ≤ Rt ≤ 500KΩ
- Power rating: 8W @ 40°C derating to 0W @ 125°C
- Electrical travel: 3,600°+4°-0°

Price Each			
1	5	10	25
51.44	48.23	46.62	45.00

Value (Ω)	MOUSER STOCK NO.
500	594-860-1501
1K	594-860-1102
5K	594-860-1502
10K	594-860-1103

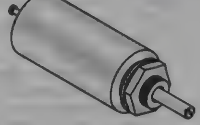
DIMENSIONS: In.



MODEL 162 1/2" TEN TURN PRECISION WIREWOUND

Specifications:

- Body (LxD): 1.00" x 0.50"
- Shaft (LxD): .687" x .0935"
- Power rating: 2.0W @ 40°C derated to 0W @ 125°C
- Linearity: ±0.3%
- Resistance tolerance: ±5%
- Temperature coefficient: ±20ppm/°C
- Temperature range: -55°C to + 125°C
- Electrical rotation: 3600° +15° - 0°



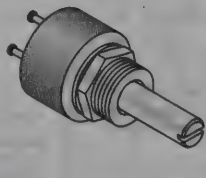
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Values (Ω)	Price Each		
		1	5	10
594-16211102	1K	141.34	131.85	128.03
594-16211103	10K	141.34	131.85	128.03
594-16211104	100K	141.34	131.85	128.03

MODEL 140 1/2" SINGLE-TURN PRECISION WIREWOUND

Specifications:

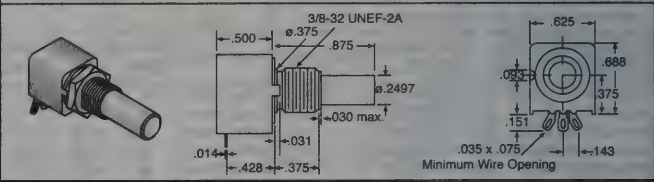
- Body (LxD): .305" x .500"
- Shaft (LxD): .70" x 0.1248"
- Power rating: 2.0W @ 40°C derated to 0W @ 125°C
- Linearity: ±1.0%
- Resistance tolerance: ±5%
- Temperature coefficient: ±20ppm/°C
- Temperature range: -55°C to +125°C
- Electrical rotation: 320° ±5°



MOUSER STOCK NO.	Values (Ω)	Price Each			
		1	5	10	25
594-14000102	1K	36.29	34.02	32.89	31.75
594-14000502	5K	36.29	34.02	32.89	31.75
594-14000103	10K	36.29	34.02	32.89	31.75
594-14000203	20K	37.49	36.17	34.85	34.32

MODEL 657 5/8" SEALED SINGLE-TURN PRECISION CONDUCTIVE PLASTIC ON ALUMINA SUBSTRATE

DIMENSIONS: In.



Mechanical Specifications:

- Rotation: 250° ±2°
- Stop strength: 10 in-lb. max.

Electrical Specifications:

- Tolerance: standard ±20%
- Linearity: ±5%
- Rotation: 240° ±4°
- Power rating: 1.0W @ 85°C

Environmental:

- Rotational life: 1 million cycles
- Operating temperature: -40°C to +125°C

Features:

- Conductive plastic on alumina substrate
- Sealed

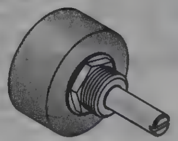
Price Each			
1	5	10	25
13.95	10.95	8.50	7.75

Value (Ω)	MOUSER STOCK NO.
1K	594-657-0-0-102
2K	594-657-0-0-202
5K	594-657-0-0-502
10K	594-657-0-0-103
20K	594-657-0-0-203
50K	594-657-0-0-503
100K	594-657-0-0-104

MODEL 357 7/8" SINGLE TURN CONDUCTIVE PLASTIC

Specifications:

- Plain and slotted shaft available
- Power rating: 1.0 W @ 70°C derated to 0 W @ 125°C
- Linearity: ±2%
- Tolerance: ±20°
- Rotation: 360° continuous
- Nut and washer included



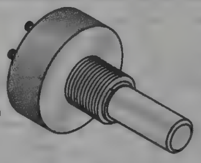
Price Each			
1	5	10	25
14.88	11.90	10.71	9.52

Value (Ω)	MOUSER STOCK NO.
1K	594-357-00-102
2K	594-357-00-202
5K	594-357-00-502
10K	594-357-00-103

MODEL 157 PRECISION - SINGLE TURN INDUSTRIAL POTENTIOMETER

Specifications:

- Power rating: 1.0 W @ 40°C derated to 0 W @ 125°C
- Resistance tolerance: ±20°
- Temperature coefficient: ±600ppm/°C
- Electrical rotation: 340° ±4°
- Rugged one piece metal housing
- No mechanical stops
- Nut and washer included on bushing mount



Price Each			
1	5	10	25
18.53	14.82	13.34	11.86

Value (Ω)	MOUSER STOCK NO.
1K	594-15711102
2K	594-15711202
5K	594-15711502
10K	594-15711103
20K	594-15711203
50K	594-15711503

MODEL 534/536 7/8" TEN TURN PRECISION WIREWOUND

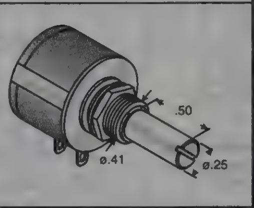
Specifications:

- Power rating: 3.09W @ 40°C derated linearly to 0W @ 125°C
- Linearity: ±0.25%
- Tolerance: ±5%
- Temperature coefficient: ±20ppm/°C
- Temperature range: -55°C to +125°C

Features:

- High power rating
- Rugged integrated construction
- Superior stop strength

DIMENSIONS: In.



For quantities of 25 and up, call for quote.

Metal Shaft

MOUSER STOCK NO.	Values (Ω)	Price Each		
		1	5	10
594-53411101	100	8.67	8.13	7.86
594-53411201	200	8.67	8.13	7.86
594-53411501	500	8.13	7.86	7.59
594-53411102	1K	8.13	7.86	7.59
594-53411202	2K	8.13	7.86	7.59
594-53411502	5K	8.13	7.86	7.59
594-53411103	10K	8.13	7.86	7.59
594-53411203	20K	8.13	7.86	7.59
594-53411503	50K	11.95	11.21	10.83
594-53411104	100K	11.21	10.83	10.46

Plastic Shaft

594-53611101	100	8.64	8.10	7.83
594-53611201	200	8.64	8.10	7.83
594-53611501	500	9.02	8.64	8.37
594-53611102	1K	8.64	8.10	7.83
594-53611202	2K	8.64	8.10	7.83
594-53611502	5K	8.64	8.10	7.83
594-53611103	10K	9.02	8.64	8.37
594-53611203	20K	8.64	8.10	7.83
594-53611503	50K	12.48	11.70	11.31
594-53611104	100K	12.48	11.70	11.31

PRECISION DIALS METAL SHAFT

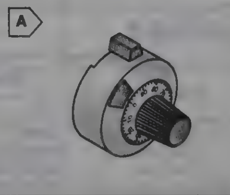
Features:

- Satin chrome finish
- Large, easy to read numbers
- Positive brake action
- Shaft bore is .250"

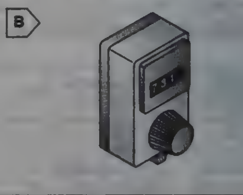
For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	No. of Turns	Minor Scale	Size (in.)		Price Each			
					W	H	1	5	10	25
594-11111	011-1-11	A	10	1/50	1.0	.826	18.25	17.45	16.77	16.18
594-18111	018-1-11	A	15	1/50	.875	.875	10.60	10.20	9.75	9.25
594-21111	021-1-11	A	15	1/100	1.81	1.0	19.00	18.20	17.51	16.89
594-15111	015-1-11	B	10	1/100	1.0	1.75	17.04	16.38	15.78	15.21

A



B



ALPHA Rotary, Motor Driven, and Slide Potentiometers

ALPHA

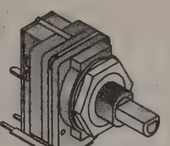
RoHS Compliant This page of product is compliant.

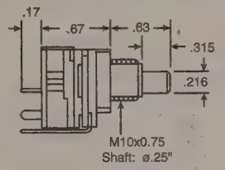
ALPHA 16MM PC MOUNT LINEAR TAPER WITH SWITCH

DIMENSIONS: in.

Features:

- Rated voltage: 200VDC
- Rated wattage: 0.2W
- Insulation resistance: >100MΩ
- Breakdown voltage: 1000VAC for 1 minute
- Switch contact resistance: <100mΩ
- Switch rating: 250VAC, 10A
- Tolerance: <1M: ±20%, ≥1M: ±30%
- Rotational life: 100,000 cycles
- Switch life: 10,000 operations
- Rotation angle: 270°±5°
- Switch circuit: SPST
- "D" shaft (nylon)





RoHS Compliant

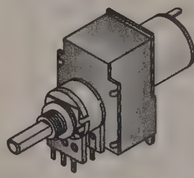
For quantities of 500 and up, call for quote.

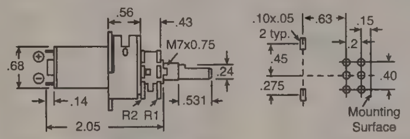
MOUSER STOCK NO.	Values (Ω)	Price Each		
		1	10	100
310-1600F-Value	5K, 10K, 50K, 500K	2.78	2.32	2.09

ALPHA MOTOR DRIVEN PC MOUNT

DIMENSIONS: in.

- Rotational speed (sec/300°): 11±3 (@ 4.5VDC)
- Maximum operating current (mA): 100 @ rotation, 150 @ end slip
- Motor voltage (VDC): 3~6 (4.5 standard)
- Audio volume control
- Single shaft-dual unit





RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Tolerance	Rotational Torque	Price Each		
				1	10	100
316-1020F-Value	10K, 50K, 100K	±20%	100~450gf/cm	9.98	8.98	7.49

ALPHA SLIDE POTENTIOMETERS

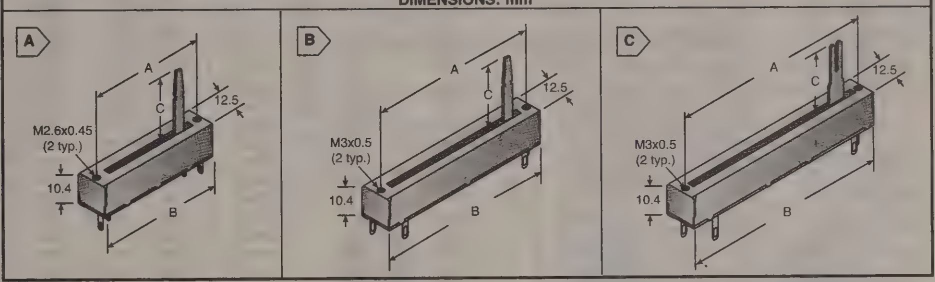
KNOBS FOR SLIDE POTENTIOMETERS

This is a cross reference to show which knob will fit on which slide potentiometer.

Potentiometer Part No.	Knob Part No.
312-9000-value 312-9100-value	450-3051, & 450-3052
312-9301-value 312-9401-value	450-3051, 450-3052 & 45KN151
312-9201-value 312-9302-value	450-3051, 450-3052 & 45KN151

The following potentiometers do not require a knob: 312-319A-value, 312-619A-value, 312-319B-value 312-619B-value, & 312-9500-value

DIMENSIONS: mm



All slide potentiometers contain quality carbon composition elements for long life and noise-free operation.

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Stock Values (Ω) Other Values Available on Request	Watts	Insulation Resistance @ 500VDC	Withstanding Voltage For 1 Minute	Lever Travel	Dimensions (mm.)			Price Each			
							A	B	C	1	10	100	500
Audio Taper													
312-9000F-Value	A	1K, 5K, 10K, 50K, 100K	0.1	50MΩ	300VAC	30	45	50.2	20	1.35	1.08	.98	.88
Linear Taper													
312-9100F-Value	A	500, 1K, 5K, 10K, 25K, 50K, 100K	0.2	50MΩ	300VAC	30	45	50.2	20	1.35	1.08	.98	.88
312-9201F-Value	B	1K, 5K, 10K, 20K, 100K, 500K, 1M	0.25	100MΩ	500VAC	45	65	73	20	1.35	1.08	.98	.88
312-9302F-Value	B	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M	0.5	100MΩ	500VAC	60	80	88	20	2.12	1.76	1.61	1.46
312-9301F-Value	C	1K, 2K, 5K, 10K, 50K, 100K	0.5	100MΩ	500VAC	60	80	88	15	1.83	1.53	1.40	1.26

ALPHA SLIDE POTENTIOMETERS WITH COLOR INDICATOR

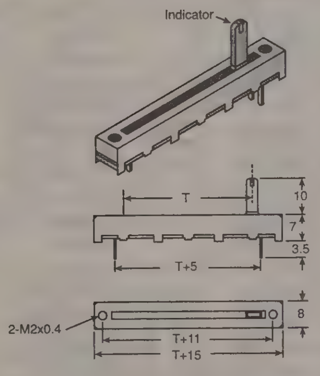
DIMENSIONS: mm

- Watts: .2W
- Slide noise: less than 47mV
- Temperature range: -10°C to +70°C
- PC pins

Stock Items:
White indicator-no knob required
Travel length: 30mm and 60mm
Lever length: 10mm

Options available subject to minimum order requirements:
Indicator colors: black, red, green, orange
Travel length: 20mm and 45mm
Lever length: 15mm and 20mm

RoHS Compliant



For quantities 1000 and up, call for quote.

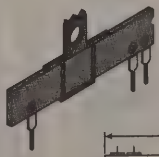
MOUSER STOCK NO.	Values (Ω)	T (Travel)	Max. Working Voltage	Withstanding Voltage For 1 Minute	Insulation Resistance @ 500VDC	Price Each			
						1	10	100	500
Audio Taper									
312-219AF-Value	5K, 10K, 50K, 100K	20mm	200VDC	300VAC	50MΩ	1.65	1.43	1.28	1.04
312-319AF-Value	5K, 10K, 50K, 100K	30mm	200VDC	300VAC	50MΩ	1.76	1.44	1.32	1.10
312-619AF-Value	5K, 10K, 50K, 100K	60mm	200VDC	300VAC	50MΩ	2.10	1.63	1.48	1.33
Linear Taper									
312-219BF-Value	1K, 5K, 10K, 50K, 100K	20mm	200VDC	300VAC	50MΩ	1.65	1.43	1.28	1.04
312-319BF-Value	1K, 5K, 10K, 50K, 100K	30mm	200VDC	300VAC	50MΩ	1.76	1.44	1.32	1.10
312-619BF-Value	1K, 5K, 10K, 50K, 100K	60mm	200VDC	300VAC	50MΩ	2.10	1.63	1.48	1.33

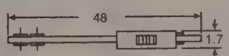
ALPHA PC MOUNT MINI-SLIDE POTENTIOMETERS

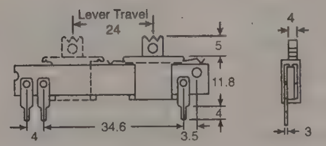
DIMENSIONS: mm

- Tolerance: ±20%
- Slide travel: 20mm
- No knob required
- Breakdown voltage for 1 min.: 250V
- Insulation resistance: 10MΩ @ 250VAC

RoHS Compliant







For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Description	Value (Ω)	Price Each			
			1	10	100	500
312-9500F-Value	Linear taper	1K, 5K, 10K, 50K, 100K	1.13	.88	.79	.72

ALPHA Illuminated Slide and Rotary Potentiometers

ALPHA

RoHS Compliant **This page of product is compliant.**

ALPHA SLIDE POTENTIOMETERS WITH LED

Specifications:

- Tolerance: ±20%
- Slide Life: 15,000 Cycles
- Rated Voltage: 200V
- Rated Wattage: 20mm-0.1, 30mm & 45mm-0.2
- Insulation resistance: 100M? @ 250VDC
- Breakdown voltage: 300VAC for 1 minute
- Linear Taper
- Center Detent
- No knob required
- Lever length: 15mm
- Slide travel: 20mm, 30mm and 45mm
- LED's available in Red, Green and Amber

RoHS Compliant

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Lever Travel (T)	Value (Ω)	LED Color	Price Each			
						1	10	100	500
312-2045F-R5K	RA2045F-20R-15LC-B5K-C	A	20mm	5K	Red	2.30	1.98	1.70	1.42
312-2045F-G5K	RA2045F-20G-15LC-B5K-C	A	20mm	5K	Green	2.30	1.98	1.70	1.42
312-2045F-A5K	RA2045F-20A-15LC-B5K-C	A	20mm	5K	Amber	2.30	1.98	1.70	1.42
312-2045F-R10K	RA2045F-20R-15LC-B10K-C	A	20mm	10K	Red	2.30	1.98	1.70	1.42
312-2045F-G10K	RA2045F-20G-15LC-B10K-C	A	20mm	10K	Green	2.30	1.98	1.70	1.42
312-2045F-A10K	RA2045F-20A-15LC-B10K-C	A	20mm	10K	Amber	2.30	1.98	1.70	1.42
312-2045F-R50K	RA2045F-20R-15LC-B50K-C	A	20mm	50K	Red	2.30	1.98	1.70	1.42
312-2045F-G50K	RA2045F-20G-15LC-B50K-C	A	20mm	50K	Green	2.30	1.98	1.70	1.42
312-2045F-A50K	RA2045F-20A-15LC-B50K-C	A	20mm	50K	Amber	2.30	1.98	1.70	1.42
312-2045F-R100K	RA2045F-20R-15LC-B100K-C	A	20mm	100K	Red	2.30	1.98	1.70	1.42
312-2045F-G100K	RA2045F-20G-15LC-B100K-C	A	20mm	100K	Green	2.30	1.98	1.70	1.42
312-2045F-A100K	RA2045F-20A-15LC-B100K-C	A	20mm	100K	Amber	2.30	1.98	1.70	1.42
312-3045F-R5K	RA3045F-20R-15LC-B5K-C	A	30mm	5K	Red	2.35	2.03	1.75	1.46
312-3045F-G5K	RA3045F-20G-15LC-B5K-C	A	30mm	5K	Green	2.35	2.03	1.75	1.46
312-3045F-A5K	RA3045F-20A-15LC-B5K-C	A	30mm	5K	Amber	2.35	2.03	1.75	1.46
312-3045F-R10K	RA3045F-20R-15LC-B10K-C	A	30mm	10K	Red	2.35	2.03	1.75	1.46
312-3045F-G10K	RA3045F-20G-15LC-B10K-C	A	30mm	10K	Green	2.35	2.03	1.75	1.46
312-3045F-A10K	RA3045F-20A-15LC-B10K-C	A	30mm	10K	Amber	2.35	2.03	1.75	1.46
312-3045F-R50K	RA3045F-20R-15LC-B50K-C	A	30mm	50K	Red	2.35	2.03	1.75	1.46
312-3045F-G50K	RA3045F-20G-15LC-B50K-C	A	30mm	50K	Green	2.35	2.03	1.75	1.46
312-3045F-A50K	RA3045F-20A-15LC-B50K-C	A	30mm	50K	Amber	2.35	2.03	1.75	1.46
312-3045F-R100K	RA3045F-20R-15LC-B100K-C	A	30mm	100K	Red	2.35	2.03	1.75	1.46
312-3045F-G100K	RA3045F-20G-15LC-B100K-C	A	30mm	100K	Green	2.35	2.03	1.75	1.46
312-3045F-A100K	RA3045F-20A-15LC-B100K-C	A	30mm	100K	Amber	2.35	2.03	1.75	1.46
312-4545F-R5K	RA4545F-20R-15LC-B5K-C	A	45mm	5K	Red	2.40	2.08	1.80	1.50
312-4545F-G5K	RA4545F-20G-15LC-B5K-C	A	45mm	5K	Green	2.40	2.08	1.80	1.50
312-4545F-A5K	RA4545F-20A-15LC-B5K-C	A	45mm	5K	Amber	2.40	2.08	1.80	1.50
312-4545F-R10K	RA4545F-20R-15LC-B10K-C	A	45mm	10K	Red	2.40	2.08	1.80	1.50
312-4545F-G10K	RA4545F-20G-15LC-B10K-C	A	45mm	10K	Green	2.40	2.08	1.80	1.50
312-4545F-A10K	RA4545F-20A-15LC-B10K-C	A	45mm	10K	Amber	2.40	2.08	1.80	1.50
312-4545F-R50K	RA4545F-20R-15LC-B50K-C	A	45mm	50K	Red	2.40	2.08	1.80	1.50
312-4545F-G50K	RA4545F-20G-15LC-B50K-C	A	45mm	50K	Green	2.40	2.08	1.80	1.50
312-4545F-A50K	RA4545F-20A-15LC-B50K-C	A	45mm	50K	Amber	2.40	2.08	1.80	1.50
312-4545F-R100K	RA4545F-20R-15LC-B100K-C	A	45mm	100K	Red	2.40	2.08	1.80	1.50
312-4545F-G100K	RA4545F-20G-15LC-B100K-C	A	45mm	100K	Green	2.40	2.08	1.80	1.50
312-4545F-A100K	RA4545F-20A-15LC-B100K-C	A	45mm	100K	Amber	2.40	2.08	1.80	1.50

ALPHA 14MM CLEAR SHAFT POTENTIOMETERS

NEW! TECHNOLOGY

Features:

- Clear plastic shaft in which a LED can be placed in the bottom to illuminate the shaft
- Any color T1 (3mm) size LED can be used

Specifications:

- Tolerance: ±20%
- Rated Wattage: 0.05
- Rated Voltage: 50V AC
- Rotational Life: 15,000 Cycles
- Rotation torque: 20 to 200g/cm
- Insulation resistance: 100MΩ @ 250VDC
- Breakdown voltage: 300VAC for 1 minute

Applications:

- Video
- Computers
- Audio equipment
- Communications

RoHS Compliant

Clear Shaft Single Rotary Panel Mount Potentiometer

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Taper	Value (Ω)	L (mm)	Price Each			
						1	50	100	500
313-1400F-5K	RV141F-40E3-18BL-B5K	B	Linear	5K	18	2.04	1.80	1.56	1.32
313-1400F-10K	RV141F-40E3-18BL-B10K	B	Linear	10K	18	2.04	1.80	1.56	1.32
313-1400F-20K	RV141F-40E3-18BL-B20K	B	Linear	20K	18	2.04	1.80	1.56	1.32
313-1400F-50K	RV141F-40E3-18BL-B50K	B	Linear	50K	18	2.04	1.80	1.56	1.32
313-1400F-100K	RV141F-40E3-18BL-B100K	B	Linear	100K	18	2.04	1.80	1.56	1.32

Clear Shaft Single Rotary Potentiometer

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Taper	Value (Ω)	L (mm)	Price Each			
						1	50	100	500
313-1410F-5K	RV141F-40-20BL-B5K	C	Linear	5K	13.7	1.96	1.72	1.50	1.27
313-1410F-10K	RV141F-40-20BL-B10K	C	Linear	10K	13.7	1.96	1.72	1.50	1.27
313-1410F-20K	RV141F-40-20BL-B20K	C	Linear	20K	13.7	1.96	1.72	1.50	1.27
313-1410F-50K	RV141F-40-20BL-B50K	C	Linear	50K	13.7	1.96	1.72	1.50	1.27
313-1410F-100K	RV141F-40-20BL-B100K	C	Linear	100K	13.7	1.96	1.72	1.50	1.27

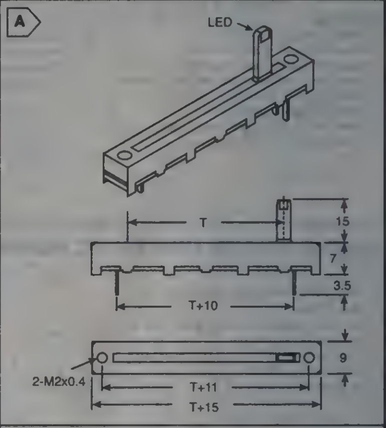
Clear Shaft Dual Rotary Potentiometer

For quantities 1000 and up, call for quote.

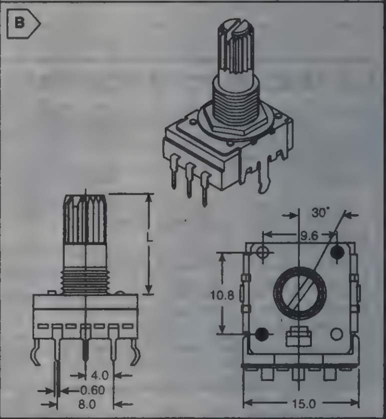
MOUSER STOCK NO.	Alpha Part No.	Fig.	Taper	Value (Ω)	L (mm)	Price Each			
						1	50	100	500
313-1415F-5K	RV142F-40-20BL-A5K	D	Audio	5K	13.7	2.38	2.10	1.82	1.54
313-1415F-10K	RV142F-40-20BL-A10K	D	Audio	10K	13.7	2.38	2.10	1.82	1.54
313-1415F-20K	RV142F-40-20BL-A20K	D	Audio	20K	13.7	2.38	2.10	1.82	1.54
313-1415F-50K	RV142F-40-20BL-A50K	D	Audio	50K	13.7	2.38	2.10	1.82	1.54
313-1415F-100K	RV142F-40-20BL-A100K	D	Audio	100K	13.7	2.38	2.10	1.82	1.54
313-1420F-5K	RV142F-40-35BL-A5K	D	Audio	5K	28.5	2.38	2.10	1.82	1.54
313-1420F-10K	RV142F-40-35BL-A10K	D	Audio	10K	28.5	2.38	2.10	1.82	1.54
313-1420F-20K	RV142F-40-35BL-A20K	D	Audio	20K	28.5	2.38	2.10	1.82	1.54
313-1420F-50K	RV142F-40-35BL-A50K	D	Audio	50K	28.5	2.38	2.10	1.82	1.54
313-1420F-100K	RV142F-40-35BL-A100K	D	Audio	100K	28.5	2.38	2.10	1.82	1.54

DIMENSIONS: mm

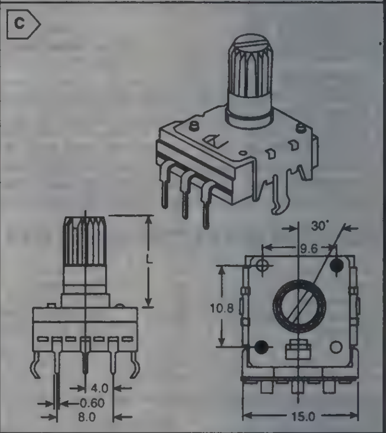
A



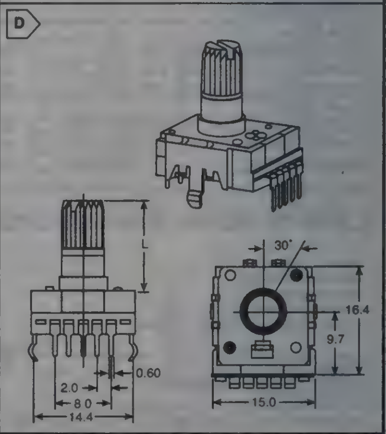
B



C



D



PC Mount, Snap-in and Thumbwheel Potentiometers

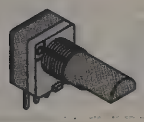
- Knobs for rotary potentiometers on this page are found in the electromechanical section.

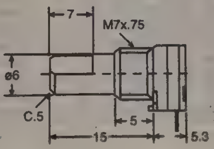
ALPHA 7MM PC MOUNT POTENTIOMETERS

DIMENSIONS: mm

Specifications:

- Rated voltage: 100VAC
- Rated wattage: 0.05W
- Insulation resistance: 100MΩ @250 VDC
- Breakdown voltage: 300VAC for 1 minute
- Rotation angle: 300°±10°
- Rotation Torque: 10 to 150g/cm
- Rotational life: 15,000 cycles





RoHS Compliant

For quantities of 1,000 and up, call for quote.

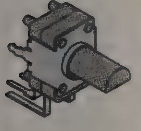
MOUSER STOCK NO.	Taper	Value (Ω)	Price Each			
			1	50	100	500
311-701AF-Value	Audio	5K, 10K, 50K, 100K	2.95	2.74	2.45	1.87
311-701BF-Value	Linear	5K, 10K, 50K, 100K	2.95	2.74	2.45	1.87

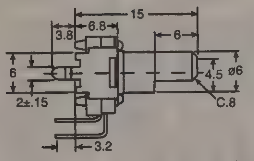
ALPHA 9MM SNAP-IN DUAL POTENTIOMETERS

Specifications:

- Rated wattage: 0.3W
- Insulation resistance: 100MΩ @250 VDC
- Breakdown voltage: 250VAC for 1 minute
- Rotation angle: 280°±5°
- Rotation Torque: 10 to 100g/cm
- Rotational life: 10,000 cycles

DIMENSIONS: mm

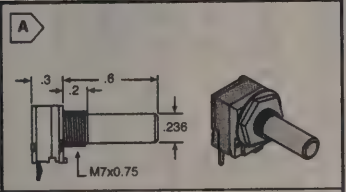


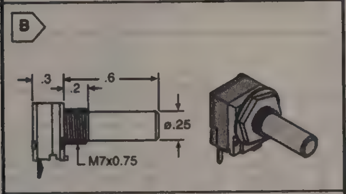


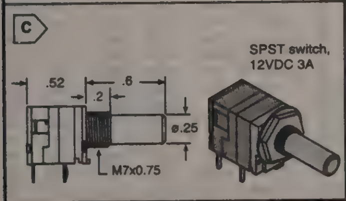
RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Taper	Value (Ω)	Price Each			
			1	50	100	500
317-2060F-Value	Audio	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.80	1.50	1.35	1.13
317-2070F-Value	Linear	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.80	1.50	1.35	1.13







ALPHA 9MM PC MOUNT LINEAR TAPER POTENTIOMETERS

Electrical Specifications:

- Rated wattage: 0.05W
- Rated voltage: 50VAC

Mechanical Specifications:

- Rotation angle: 300°±5°
- Rotation torque: 20 to 250g/cm
- Tolerance: ±20%
- Insulation resistance: >100MΩ @ 250VDC
- Breakdown voltage: 300VAC for 1 minute

Values (Ω)

1K, 5K, 10K, 50K, 100K

DIMENSIONS: In.

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Each			
		1	10	100	500
311-1901F-Value	A	3.50	2.87	2.66	2.38
311-1902F-Value	B	3.50	2.87	2.66	2.38
311-1903F-Value	C	5.40	4.86	4.32	3.02

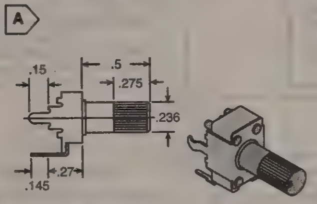
ALPHA 9MM SNAP-IN POTENTIOMETERS

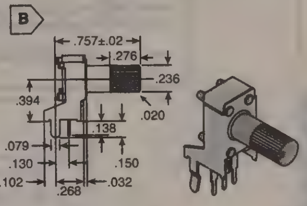
DIMENSIONS: In.

Specifications:

- Rated voltage: 50VAC
- Rated wattage: 0.1W
- Tolerance: <1M: ±20%, ≥1M: ±30%
- Rotation angle: 280°±5°
- Rotational life: 10,000 cycles

RoHS Compliant





Vertical Mount

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2080F-Value	A	Audio	1K, 2K, 5K, 10K	1.11	.93	.87	.79
317-2090F-Value	A	Linear	50K, 100K, 500K, 1M	1.11	.93	.87	.79

Horizontal Mount

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2081F-Value	B	Audio	1K, 2K, 5K, 10K	1.11	.93	.87	.79
317-2091F-Value	B	Linear	50K, 100K, 500K, 1M	1.11	.93	.87	.79

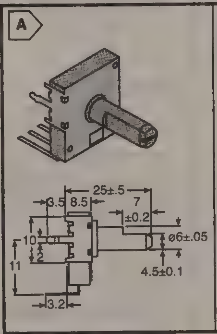
ALPHA 11MM SNAP-IN POTENTIOMETERS

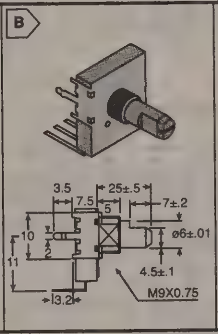
RoHS Compliant

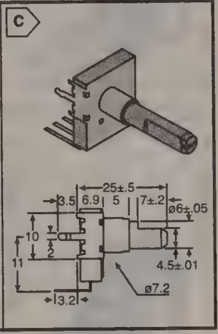
Specifications:

- Rated voltage: 150V linear 100V audio
- Rated wattage: 0.08W linear 0.04W audio
- Tolerance: < 1M ± 20% ≥ 1M ± 30%
- Rotational angle: 300° ± 5°
- Rotational life: 10,000 cycles

DIMENSIONS: mm







Vertical Mount

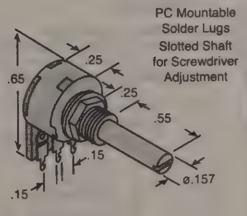
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2200F-Value	A	Linear	1K, 2K, 5K, 10K, 50K 100K, 500K, 1M	2.50	1.67	1.52	1.38
317-2201F-Value	B	Linear		2.69	1.79	1.63	1.49
317-2202F-Value	C	Linear		2.69	1.79	1.63	1.49
317-2100F-Value	A	Audio		2.50	1.67	1.52	1.38
317-2101F-Value	B	Audio		2.69	1.79	1.63	1.49
317-2102F-Value	C	Audio		2.69	1.79	1.63	1.49

XICON 13MM CARBON COMPOSITION

Specifications:

- Resistance tolerance: ±20%
- Wattage rating: 0.1W
- Anti-rotational torque: 3 Kg-cm
- Operational temperature: -10°C to +70°C
- Breakdown voltage: 500V @ 60 seconds
- Rotational life: 5,000 cycles
- Linear taper
- Bushing: M6x0.75



DIMENSIONS: In.

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each			
		1	10	100	500
31CX301	1K	3.09	2.71	2.51	2.13
31CX305	5K	3.09	2.71	2.51	2.13
31CX401	10K	3.09	2.71	2.51	2.13
31CX405	50K	3.09	2.71	2.51	2.13
31CX501	100K	3.09	2.71	2.51	2.13
31CX505	500K	3.09	2.71	2.51	2.13

ALPHA 12mm Potentiometers

ALPHA

RoHS Compliant This page of product is compliant.

DIMENSIONS: mm

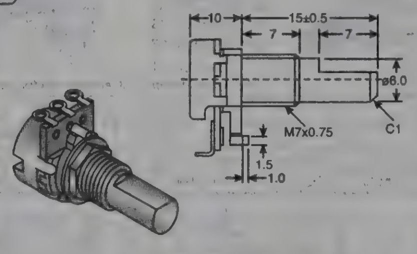
One hex nut and one washer are included with each potentiometer.

If needed, additional hardware is available.

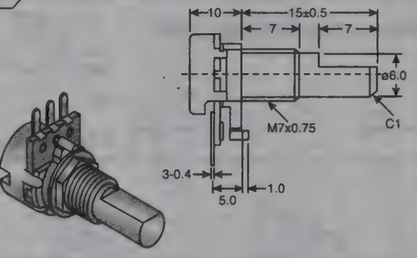
Knobs are found in the knob pages of the electromechanical section.

Other shaft styles available upon request.

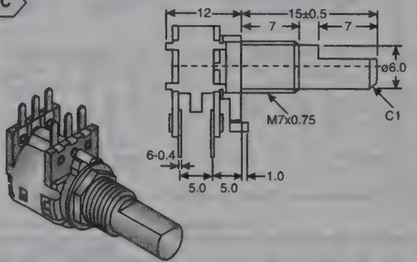
A



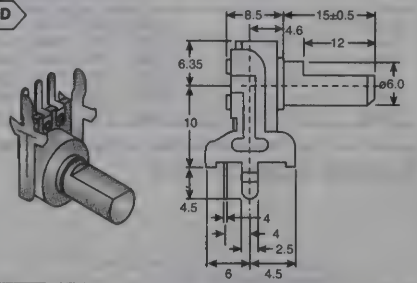
B



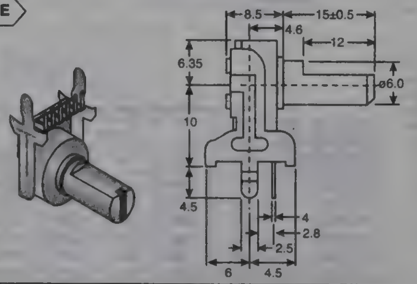
C



D



E



ALPHA SINGLE POT SOLDER LUG

For quantities 1000 and up, call for quote.

Features:
- Rotation Angle: ±300°
- Rated Wattage: Linear Taper 0.08W
  Audio Tapers 0.04W
- Rated Voltage: Linear 150V,
  Audio 100V
- Rotation Life: 15,000 Cycles
- Terminations: Solder Lugs
- Flat / "D" Shaft: 6.0mm diameter

RoHS Compliant

MOUSER STOCK NO.	Alpha Stock No.	Fig.	Taper	Value (Ω)	Price Each			
					1	10	100	500
313-1200F-1K	RV120F-10-15F-A1K	A	Audio	1K	2.16	1.60	1.33	1.19
313-1200F-5K	RV120F-10-15F-A5K	A	Audio	5K	2.16	1.60	1.33	1.19
313-1200F-10K	RV120F-10-15F-A10K	A	Audio	10K	2.16	1.60	1.33	1.19
313-1200F-50K	RV120F-10-15F-A50K	A	Audio	50K	2.16	1.60	1.33	1.19
313-1200F-100K	RV120F-10-15F-A100K	A	Audio	100K	2.16	1.60	1.33	1.19
313-1200F-500K	RV120F-10-15F-A500K	A	Audio	500K	2.16	1.60	1.33	1.19
313-1200F-1M	RV120F-10-15F-A1M	A	Audio	1M	2.16	1.60	1.33	1.19
313-1210F-1K	RV120F-10-15F-B1K	A	Linear	1K	2.16	1.60	1.33	1.19
313-1210F-5K	RV120F-10-15F-B5K	A	Linear	5K	2.16	1.60	1.33	1.19
313-1210F-10K	RV120F-10-15F-B10K	A	Linear	10K	2.16	1.60	1.33	1.19
313-1210F-50K	RV120F-10-15F-B50K	A	Linear	50K	2.16	1.60	1.33	1.19
313-1210F-100K	RV120F-10-15F-B100K	A	Linear	100K	2.16	1.60	1.33	1.19
313-1210F-500K	RV120F-10-15F-B500K	A	Linear	500K	2.16	1.60	1.33	1.19
313-1210F-1M	RV120F-10-15F-B1M	A	Linear	1M	2.16	1.60	1.33	1.19

ALPHA SINGLE POT PC MOUNT

For quantities 1000 and up, call for quote.

Features:
- Rotation Angle: ±300°
- Rated Wattage: Linear Taper 0.08W
  Audio Tapers 0.04W
- Rated Voltage: Linear 150V,
  Audio 100V
- Rotation Life: 15,000 Cycles
- Terminations: PC Mount
- Flat / "D" Shaft: 6.0mm diameter

RoHS Compliant

MOUSER STOCK NO.	Alpha Stock No.	Fig.	Taper	Value (Ω)	Price Each			
					1	10	100	500
313-1220F-1K	RV120F-20-15F-A1K	B	Audio	1K	2.16	1.60	1.33	1.19
313-1220F-5K	RV120F-20-15F-A5K	B	Audio	5K	2.16	1.60	1.33	1.19
313-1220F-10K	RV120F-20-15F-A10K	B	Audio	10K	2.16	1.60	1.33	1.19
313-1220F-50K	RV120F-20-15F-A50K	B	Audio	50K	2.16	1.60	1.33	1.19
313-1220F-100K	RV120F-20-15F-A100K	B	Audio	100K	2.16	1.60	1.33	1.19
313-1220F-500K	RV120F-20-15F-A500K	B	Audio	500K	2.16	1.60	1.33	1.19
313-1220F-1M	RV120F-20-15F-A1M	B	Audio	1M	2.16	1.60	1.33	1.19
313-1230F-1K	RV120F-20-15F-B1K	B	Linear	1K	2.16	1.60	1.33	1.19
313-1230F-5K	RV120F-20-15F-B5K	B	Linear	5K	2.16	1.60	1.33	1.19
313-1230F-10K	RV120F-20-15F-B10K	B	Linear	10K	2.16	1.60	1.33	1.19
313-1230F-50K	RV120F-20-15F-B50K	B	Linear	50K	2.16	1.60	1.33	1.19
313-1230F-100K	RV120F-20-15F-B100K	B	Linear	100K	2.16	1.60	1.33	1.19
313-1230F-500K	RV120F-20-15F-B500K	B	Linear	500K	2.16	1.60	1.33	1.19
313-1230F-1M	RV120F-20-15F-B1M	B	Linear	1M	2.16	1.60	1.33	1.19

ALPHA DUAL POT PC MOUNT

For quantities 1000 and up, call for quote.

Features:
- Rotation Angle: ±300°
- Rated Wattage: Linear Taper 0.08W
  Audio Tapers 0.04W
- Rated Voltage: Linear 150V,
  Audio 100V
- Rotation Life: 15,000 Cycles
- Terminations: PC Mount
- Flat / "D" Shaft: 6.0mm diameter

RoHS Compliant

MOUSER STOCK NO.	Alpha Stock No.	Fig.	Taper	Value (Ω)	Price Each			
					1	10	100	500
313-1240F-1K	RV122F-20-15F-A1K	C	Audio	1K	3.16	2.18	1.98	1.80
313-1240F-5K	RV122F-20-15F-A5K	C	Audio	5K	3.16	2.18	1.98	1.80
313-1240F-10K	RV122F-20-15F-A10K	C	Audio	10K	3.16	2.18	1.98	1.80
313-1240F-50K	RV122F-20-15F-A50K	C	Audio	50K	3.16	2.18	1.98	1.80
313-1240F-100K	RV122F-20-15F-A100K	C	Audio	100K	3.16	2.18	1.98	1.80
313-1240F-500K	RV122F-20-15F-A500K	C	Audio	500K	3.16	2.18	1.98	1.80
313-1240F-1M	RV122F-20-15F-A1M	C	Audio	1M	3.16	2.18	1.98	1.80
313-1250F-1K	RV122F-20-15F-B1K	C	Linear	1K	3.16	2.18	1.98	1.80
313-1250F-5K	RV122F-20-15F-B5K	C	Linear	5K	3.16	2.18	1.98	1.80
313-1250F-10K	RV122F-20-15F-B10K	C	Linear	10K	3.16	2.18	1.98	1.80
313-1250F-50K	RV122F-20-15F-B50K	C	Linear	50K	3.16	2.18	1.98	1.80
313-1250F-100K	RV122F-20-15F-B100K	C	Linear	100K	3.16	2.18	1.98	1.80
313-1250F-500K	RV122F-20-15F-B500K	C	Linear	500K	3.16	2.18	1.98	1.80
313-1250F-1M	RV122F-20-15F-B1M	C	Linear	1M	3.16	2.18	1.98	1.80

ALPHA PLASTIC SHAFT SINGLE POT PC MOUNT

Features:
- Rotation Angle: ±300°
- Rated Wattage: Linear Taper 0.08W
  Audio Tapers 0.04W
- Rated Voltage: Linear 150V,
  Audio 100V
- Rotation Life: 15,000 Cycles
- Terminations: PC Mount
- Flat / "D" Shaft: 6.0mm diameter

RoHS Compliant

313-1280F-1K	RV120DF-20-15A-A1K	D	Audio	1K	2.07	1.44	1.19	1.09
313-1280F-5K	RV120DF-20-15A-A5K	D	Audio	5K	2.07	1.44	1.19	1.09
313-1280F-10K	RV120DF-20-15A-A10K	D	Audio	10K	2.07	1.44	1.19	1.09
313-1280F-50K	RV120DF-20-15A-A50K	D	Audio	50K	2.07	1.44	1.19	1.09
313-1280F-100K	RV120DF-20-15A-A100K	D	Audio	100K	2.07	1.44	1.19	1.09
313-1280F-500K	RV120DF-20-15A-A500K	D	Audio	500K	2.07	1.44	1.19	1.09
313-1280F-1M	RV120DF-20-15A-A1M	D	Audio	1M	2.07	1.44	1.19	1.09
313-1285F-1K	RV120DF-20-15A-B1K	D	Linear	1K	2.07	1.44	1.19	1.09
313-1285F-5K	RV120DF-20-15A-B5K	D	Linear	5K	2.07	1.44	1.19	1.09
313-1285F-10K	RV120DF-20-15A-B10K	D	Linear	10K	2.07	1.44	1.19	1.09
313-1285F-50K	RV120DF-20-15A-B50K	D	Linear	50K	2.07	1.44	1.19	1.09
313-1285F-100K	RV120DF-20-15A-B100K	D	Linear	100K	2.07	1.44	1.19	1.09
313-1285F-500K	RV120DF-20-15A-B500K	D	Linear	500K	2.07	1.44	1.19	1.09
313-1285F-1M	RV120DF-20-15A-B1M	D	Linear	1M	2.07	1.44	1.19	1.09

ALPHA PLASTIC SHAFT DUAL POT PC MOUNT

For quantities 1000 and up, call for quote.

Features:
- Rotation Angle: ±300°
- Rated Wattage: Linear Taper 0.08W
  Audio Tapers 0.04W
- Rated Voltage: Linear 150V,
  Audio 100V
- Rotation Life: 15,000 Cycles
- Terminations: PC Mount
- Flat / "D" Shaft: 6.0mm diameter

RoHS Compliant

MOUSER STOCK NO.	Alpha Stock No.	Fig.	Taper	Value (Ω)	Price Each			
					1	10	100	500
313-1290F-1K	RV122DF-20-15A-A1K	E	Audio	1K	2.16	1.60	1.33	1.19
313-1290F-5K	RV122DF-20-15A-A5K	E	Audio	5K	2.16	1.60	1.33	1.19
313-1290F-10K	RV122DF-20-15A-A10K	E	Audio	10K	2.16	1.60	1.33	1.19
313-1290F-50K	RV122DF-20-15A-A50K	E	Audio	50K	2.16	1.60	1.33	1.19
313-1290F-100K	RV122DF-20-15A-A100K	E	Audio	100K	2.16	1.60	1.33	1.19
313-1290F-500K	RV122DF-20-15A-A500K	E	Audio	500K	2.16	1.60	1.33	1.19
313-1290F-1M	RV122DF-20-15A-A1M	E	Audio	1M	2.16	1.60	1.33	1.19
313-1295F-1K	RV122DF-20-15A-B1K	E	Linear	1K	2.32	1.63	1.35	1.23
313-1295F-5K	RV122DF-20-15A-B5K	E	Linear	5K	2.32	1.63	1.35	1.23
313-1295F-10K	RV122DF-20-15A-B10K	E	Linear	10K	2.16	1.60	1.33	1.19
313-1295F-50K	RV122DF-20-15A-B50K	E	Linear	50K	2.32	1.63	1.35	1.23
313-1295F-100K	RV122DF-20-15A-B100K	E	Linear	100K	2.16	1.60	1.33	1.19
313-1295F-500K	RV122DF-20-15A-B500K	E	Linear	500K	2.32	1.63	1.35	1.23
313-1295F-1M	RV122DF-20-15A-B1M	E	Linear	1M	2.32	1.63	1.35	1.23

ALPHA Miniature Potentiometers

ALPHA

RoHS Compliant **This page of product is compliant.**

ALPHA 16MM MINIATURE CARBON COMPOSITION

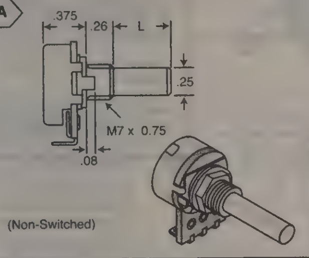
- Rated voltage. 200VDC linear; 150V audio
- Rotation angle: 300°±5°
- Insulation resistance: >100MΩ
- Breakdown voltage: 500VAC for 1 minute
- Tolerance: <1M: ±20%, ≥1M: ±30%

Each supplied with one hex nut and one flat washer

RoHS Compliant

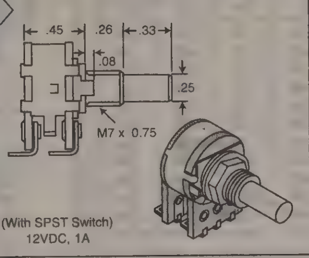
DIMENSIONS: in

A



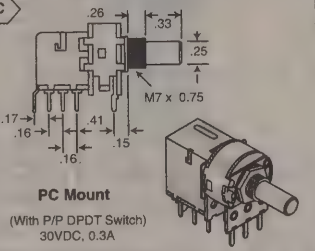
(Non-Switched)

B



(With SPST Switch)
12VDC, 1A

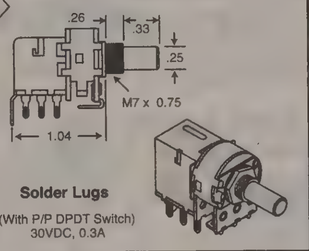
C



PC Mount

(With P/P DPDT Switch)
30VDC, 0.3A

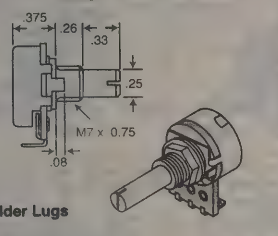
D



Solder Lugs

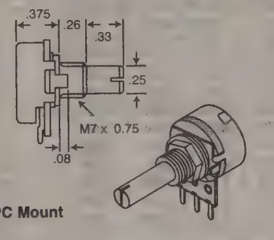
(With P/P DPDT Switch)
30VDC, 0.3A

E



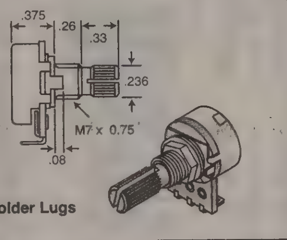
Solder Lugs

F



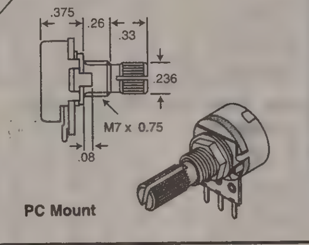
PC Mount

G



Solder Lugs

H



PC Mount

Linear & Audio Taper

- Shaft (L): .53"
- Linear Taper: 0.125 Watts
- Audio Taper: 0.6 Watts

MOUSER STOCK NO.		Fig.	Value (Ω)
Linear	Audio		
31JN301-F	31JA301-F	A	1K
31JN302-F	31JA302-F	A	2K
31JN305-F	31JA305-F	A	5K
31JN401-F	31JA401-F	A	10K
31JN405-F	31JA405-F	A	50K
31JN501-F	31JA501-F	A	100K
31JN505-F	31JA505-F	A	500K
31JN601-F	31JA601-F	A	1MEG

Price Each			
1	10	100	500
1.38	1.15	1.04	.85

Linear Taper

0.2 Watts; Shaft (L): .33"

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Taper	Description	Value (Ω)	Price Each			
					1	10	100	500
313-1000F-Value	A	Linear		1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.21	1.05	.92	.84
313-2000F-Value	A	Linear	Center Detent	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.44	1.39	1.09	.99
313-3000F-Value	A	Linear	11 detent positions	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.74	1.69	1.32	1.19
313-1100F-Value	B	Linear	With SPST switch	1K, 5K, 10K, 50K, 100K, 500K, & 1M	2.37	1.71	1.55	1.41
313-1600F-Value	C	Linear	With DPDT switch	1K, 10K, 50K, & 100K	3.75	3.45	2.84	2.85
313-1601F-Value	D	Linear	With DPDT switch	1K, 5K, 10K, 50K, 100K, 250K, & 500K	3.75	3.12	2.84	2.85

Audio Taper

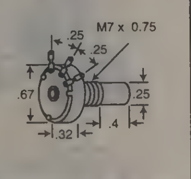
0.125 Watts; .33" Shaft Length

For quantities of 1000 and up, call for quote.

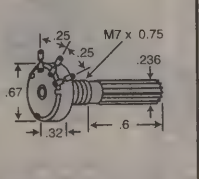
MOUSER STOCK NO.	Fig.	Description	Value (Ω)	Price Each			
				1	10	100	500
313-1500F-Value	E	Screwdriver Shaft, Solder Lug	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.31	1.08	.95	.87
313-1510F-Value	F	Screwdriver Shaft, PC Mount	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.31	1.08	.95	.87
313-1520F-Value	G	Knurled Shaft, Solder Lugs	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.35	1.13	.99	.92
313-1530F-Value	H	Knurled Shaft, PC Mount	1K, 2K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, & 1M	1.35	1.13	.99	.92
313-4000F-Value	A	Round Shaft, Solder Lugs, 11 Detents	10K, 50K, 100K, & 1M	1.74	1.69	1.32	1.19

DIMENSIONS: in.

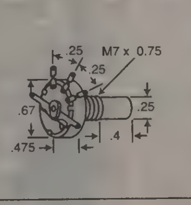
A



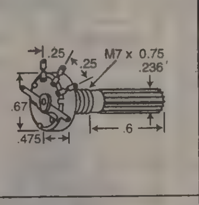
B



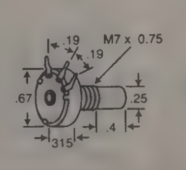
C



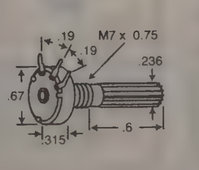
D



E



F



ALPHA 17MM MINIATURE CARBON COMPOSITION

RoHS Compliant

Potentiometers have aluminum shafts, bushings, body is plated steel with bakelite rear plate. Contacts and terminals are silver plated brass. Each is supplied with one hex nut and one flat washer. Tolerance: ±20%

Linear Taper

- Rated: 0.1W

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CN205-F	A	500	1.14	.95	.89	.81
31CN301-F	A	1K	1.14	.95	.89	.81
31CN302-F	A	2K	1.14	.95	.89	.81
31CN305-F	A	5K	1.14	.95	.89	.81
31CN401-F	A	10K	1.14	.95	.89	.81
31CN405-F	A	50K	1.14	.95	.89	.81
31CN501-F	A	100K	1.14	.95	.89	.81
31CN505-F	A	500K	1.14	.95	.89	.81
31CN601-F	A	1 MEG	1.14	.95	.89	.81
31CN602-F	A	2 MEG	1.14	.95	.89	.81
31CR205-F	B	500	1.14	.95	.89	.81
31CR301-F	B	1K	1.14	.95	.89	.81
31CR305-F	B	5K	1.14	.95	.89	.81
31CR401-F	B	10K	1.14	.95	.89	.81
31CR405-F	B	50K	1.14	.95	.89	.81
31CR501-F	B	100K	1.14	.95	.89	.81
31CR505-F	B	500K	1.14	.95	.89	.81

Linear Taper with Switch

- Rated: 0.1W

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CQ301-F	C	1K	1.32	1.06	.83	.75
31CQ305-F	C	5K	1.32	1.06	.83	.75
31CQ401-F	C	10K	1.32	1.06	.83	.75
31CQ405-F	C	50K	1.32	1.06	.83	.75
31CQ501-F	C	100K	1.32	1.06	.83	.75
31CQ505-F	C	500K	1.32	1.06	.83	.75
31CQ601-F	C	1 MEG	1.32	1.06	.83	.75

Audio Taper with Switch

- Rated: .05W

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CC301-F	C	1K	1.32	1.06	.83	.75
31CC401-F	C	10K	1.32	1.06	.83	.75
31CC501-F	C	100K	1.32	1.06	.83	.75
31CB301-F	D	1K	1.32	1.06	.83	.75
31CB305-F	D	5K	1.32	1.06	.83	.75
31CB401-F	D	10K	1.32	1.06	.83	.75
31CB501-F	D	100K	1.32	1.06	.83	.75

Linear Taper PC Mount

- Rated: 0.1W

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31CW205-F	E	500	1.02	.79	:62	.56
31CW301-F	E	1K	1.14	.95	.89	.81
31CW305-F	E	5K	1.14	.95	.89	.81
31CW401-F	E	10K	1.14	.95	.89	.81
31CW405-F	E	50K	1.14	.95	.89	.81
31CW501-F	E	100K	1.14	.95	.89	.81
31CW505-F	E	500K	1.14	.95	.89	.81
31CW601-F	E	1 MEG	1.14	.95	.89	.81
31CA205-F	F	500	1.14	.95	.89	.81
31CA301-F	F	1K	1.14	.95	.89	.81
31CA305-F	F	5K	1.14	.95	.89	.81
31CA401-F	F	10K	1.14	.95	.89	.81
31CA405-F	F	50K	1.14	.95	.89	.81
31CA501-F	F	100K	1.14	.95	.89	.81

ALPHA 24mm Potentiometers

ALPHA

RoHS Compliant **This page of product is compliant.**

Mechanical Specifications:

- Total rotation angle 300°±5°
- Rotational torque: 20~200 g-cm
- Carbon composition

RoHS Compliant

Electrical Specifications:

- Rated wattage: Linear taper-1/2W, Audio taper-1/4W
- Rated voltage: Linear taper-500VDC, Audio taper-250VDC
- Insulation resistance: >100MΩ (500VDC)
- Withstanding voltage: 500VAC for 1 minute
- Resistance tolerance: <1M: ±20%, ≥1M: ±30%
- 1/4" shaft diameter

ALPHA SOLDER LUGS

Audio Taper, (.335") Shaft Length ∗

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VJ301-F	A	1K	1.40	1.12	1.02	.94
31VJ305-F	A	5K	1.40	1.12	1.02	.94
31VJ401-F	A	10K	1.40	1.12	1.02	.94
31VJ405-F	A	50K	1.40	1.12	1.02	.94
31VJ501-F	A	100K	1.40	1.12	1.02	.94
31VJ505-F	A	500K	1.40	1.12	1.02	.94
31VJ601-F	A	1M	1.40	1.12	1.02	.94

Linear Taper, (.335") Shaft Length*

31VA205-F	A	500	1.40	1.12	1.02	.94
31VA301-F	A	1K	1.40	1.12	1.02	.94
31VA302-F	A	2K	1.40	1.12	1.02	.94
31VA303-F	A	2.5K	1.40	1.12	1.02	.94
31VA305-F	A	5K	1.40	1.12	1.02	.94
31VA401-F	A	10K	1.40	1.12	1.02	.94
31VA403-F	A	25K	1.40	1.12	1.02	.94
31VA405-F	A	50K	1.40	1.12	1.02	.94
31VA501-F	A	100K	1.40	1.12	1.02	.94
31VA503-F	A	250K	1.40	1.12	1.02	.94
31VA505-F	A	500K	1.40	1.12	1.02	.94
31VA601-F	A	1M	1.40	1.12	1.02	.94
31VA602-F	A	2M	1.40	1.12	1.02	.94
31VA605-F	A	5M	1.40	1.12	1.02	.94

Linear Taper, (1.32") Shaft Length ∗

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VC205-F	A	500	1.40	1.12	1.02	.94
31VC301-F	A	1K	1.40	1.12	1.02	.94
31VC302-F	A	2K	1.40	1.12	1.02	.94
31VC303-F	A	2.5K	1.40	1.12	1.02	.94
31VC305-F	A	5K	1.40	1.12	1.02	.94
31VC401-F	A	10K	1.40	1.12	1.02	.94
31VC403-F	A	25K	1.40	1.12	1.02	.94
31VC405-F	A	50K	1.40	1.12	1.02	.94
31VC501-F	A	100K	1.40	1.12	1.02	.94
31VC503-F	A	250K	1.40	1.12	1.02	.94
31VC505-F	A	500K	1.40	1.12	1.02	.94
31VC601-F	A	1M	1.40	1.12	1.02	.94
31VC605-F	A	5M	1.40	1.12	1.02	.94

Audio Taper W/SPST Switch, (.335") Shaft Length

31XP301-F	B	1K	1.99	1.68	1.49	1.36
31XP305-F	B	5K	1.99	1.68	1.49	1.36
31XP401-F	B	10K	1.99	1.68	1.49	1.36
31XP405-F	B	50K	1.99	1.68	1.49	1.36
31XP501-F	B	100K	1.99	1.68	1.49	1.36
31XP505-F	B	500K	1.99	1.68	1.49	1.36
31XP601-F	B	1M	1.99	1.68	1.49	1.36

Linear Taper W/SPST Switch, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VM205-F	B	500	1.99	1.68	1.49	1.36
31VM301-F	B	1K	1.99	1.68	1.49	1.36
31VM303-F	B	2.5K	1.99	1.68	1.49	1.36
31VM305-F	B	5K	1.99	1.68	1.49	1.36
31VM401-F	B	10K	1.99	1.68	1.49	1.36
31VM403-F	B	25K	1.99	1.68	1.49	1.36
31VM405-F	B	50K	1.99	1.68	1.49	1.36
31VM501-F	B	100K	1.99	1.68	1.49	1.36
31VM503-F	B	250K	1.99	1.68	1.49	1.36
31VM505-F	B	500K	1.99	1.68	1.49	1.36
31VM601-F	B	1 M	1.99	1.68	1.49	1.36

Linear Taper W/SPDT Switch, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
315-2415F-Value	C	1K, 5K, 10K, 25K, 50K, 100K, 250K, 500K,1M	3.15	2.63	2.39

ALPHA SOLDER LUGS

Linear Taper W/Knurled Shaft, (.531") Shaft Length

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VF205-F	D	500	1.40	1.12	1.02	.94
31VF301-F	D	1K	1.40	1.12	1.02	.94
31VF302-F	D	2K	1.40	1.12	1.02	.94
31VF305-F	D	5K	1.40	1.12	1.02	.94
31VF401-F	D	10K	1.40	1.12	1.02	.94
31VF405-F	D	50K	1.40	1.12	1.02	.94
31VF501-F	D	100K	1.40	1.12	1.02	.94
31VF503-F	D	250K	1.40	1.12	1.02	.94
31VF505-F	D	500K	1.40	1.12	1.02	.94
31VF601-F	D	1 Meg	1.40	1.12	1.02	.94
31VF602-F	D	2 Meg	1.40	1.12	1.02	.94

Dual Ganged Linear Taper, (.335") Shaft Length

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VW205-F	E	500	2.73	2.27	2.06	1.88
31VW301-F	E	1K	2.73	2.27	2.06	1.88
31VW305-F	E	5K	2.73	2.27	2.06	1.88
31VW401-F	E	10K	2.73	2.27	2.06	1.88
31VW405-F	E	50K	2.73	2.27	2.06	1.88
31VW501-F	E	100K	2.73	2.27	2.06	1.88
31VW503-F	E	250K	2.73	2.27	2.06	1.88
31VW505-F	E	500K	2.73	2.27	2.06	1.88
31VW601-F	E	1M	2.73	2.27	2.06	1.88

Dual Ganged Audio Taper, (.335") Shaft Length

313-2420F-1K	E	1K	2.73	2.27	2.06	1.88
313-2420F-5K	E	5K	2.73	2.27	2.06	1.88
313-2420F-10K	E	10K	2.73	2.27	2.06	1.88
313-2420F-50K	E	50K	2.73	2.27	2.06	1.88
313-2420F-100K	E	100K	2.73	2.27	2.06	1.88
313-2420F-250K	E	250K	2.73	2.27	2.06	1.88
313-2420F-500K	E	500K	2.73	2.27	2.06	1.88
313-2420F-1M	E	1M	2.73	2.27	2.06	1.88

ALPHA PCB TERMINALS

Linear Taper, (.335") Shaft Length

31VQ205-F	F	500	1.40	1.12	1.02	.94
31VQ301-F	F	1K	1.40	1.12	1.02	.94
31VQ305-F	F	5K	1.40	1.12	1.02	.94
31VQ401-F	F	10K	1.40	1.12	1.02	.94
31VQ403-F	F	25K	1.40	1.12	1.02	.94
31VQ405-F	F	50K	1.40	1.12	1.02	.94
31VQ501-F	F	100K	1.40	1.12	1.02	.94
31VQ503-F	F	250K	1.40	1.12	1.02	.94
31VQ505-F	F	500K	1.40	1.12	1.02	.94
31VQ601-F	F	1M	1.40	1.12	1.02	.94

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
314-1410F-Value	G	1K, 5K, 10K, 50K, 100K, 200K, 500K,1M	1.40	1.12	1.02

SOLDER LUGS "D" SHAFT

Audio Taper, (.334") Shaft Length

- Shaft Dia: .236"

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
313-2440F-Value	H	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.40	1.12	1.02	.94

Linear Taper, (.334") Shaft Length

- Shaft Dia: .236"

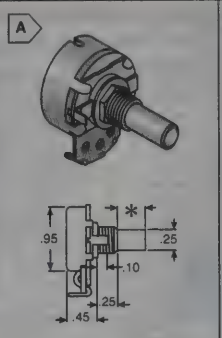
313-2441F-Value	H	500, 1K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M, 2M, 5M	1.40	1.12	1.02	.94

ALPHA SOLDER LUGS WIREWOUND

Linear Taper 5 Watt

- Rotation angle: 300° ±5°
- Rotation torque: 30-300gf/cm
- Rated wattage: 5W
- End stop strength: 6Kgf/cm

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
313-2401F-20	I	20	4.00	3.20	3.00	2.80
313-2401F-50	I	50	4.00	3.20	3.00	2.80
313-2401F-100	I	100	4.00	3.20	3.00	2.80
313-2401F-1K	I	1K	4.00	3.20	3.00	2.80
313-2401F-2K	I	2K	4.00	3.20	3.00	2.80

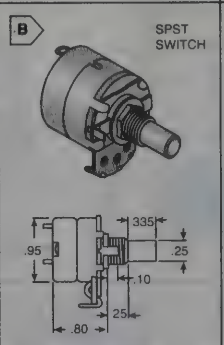


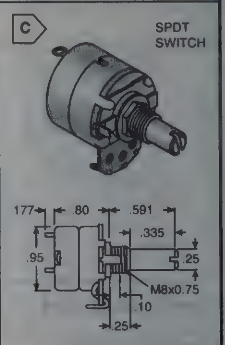
DIMENSIONS: In.

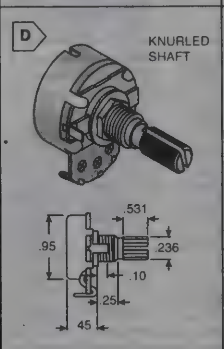
One hex nut and one washer are included with each potentiometer.

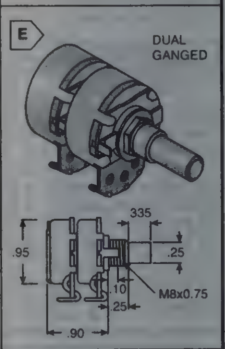
If needed, additional hardware is available.

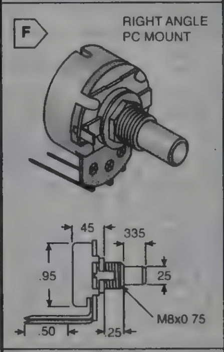
Knobs are found in the knob pages of the electromechanical section.

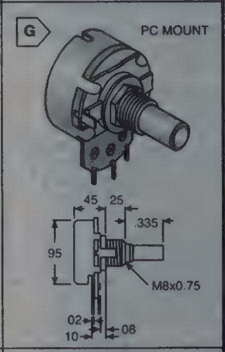


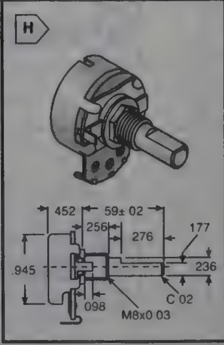


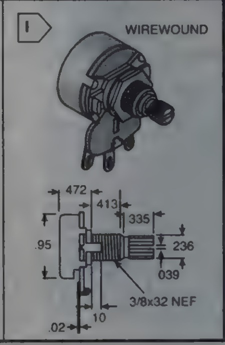












ALPS 9MM SNAP-IN INSULATED SHAFT POTENTIOMETERS

DIMENSIONS: mm

Features:

- Thanks to its structure eliminating openings, the dust proofing capacity and flux resistance have been improved
- 9.8mm outline size is ideal for high-density set design.

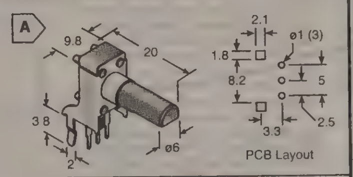
Applications:

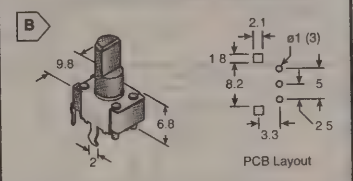
Suitable for various control applications with audio products, visual products, electronic musical instruments.

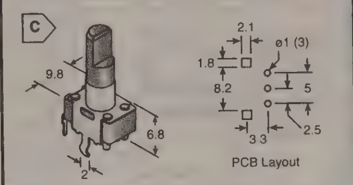
Cross Reference	
ALPS	Panasonic
RK09	EVU

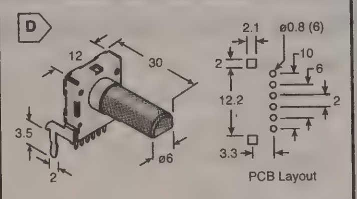
For quantities of 1000 and up, call for quote.

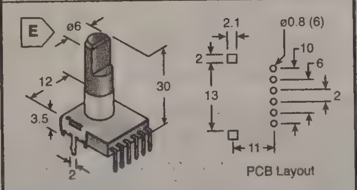
MOUSER STOCK NO.	Alps Part No.	Value Ohm	Fig.	Taper	Detent	Bushing	Mount	Price Each				
								1	25	100	500	1000
688-RK09D1110C0R	RK09D1110C0R	50K	A	Linear	W/O	Metal	Horizontal	1.48	1.20	.94	.56	.40
688-RK09D1130009	RK09D1130009	10K	B	Linear	Center	W/O	Vertical	1.48	1.20	.94	.56	.40
688-RK09D113000D	RK09D113000D	50K	C	Linear	Center	Metal	Vertical	1.52	1.22	.96	.56	.40
688-RK09D113000F	RK09D113000F	10K	C	Linear	Center	Metal	Vertical	1.52	1.22	.96	.56	.40
688-RK09D113000K	RK09D113000K	50K	B	Linear	Center	W/O	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A07	RK09D1130A07	5K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A0S	RK09D1130A0S	50K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A0Z	RK09D1130A0Z	20K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130A1N	RK09D1130A1N	10K	C	Linear	W/O	Metal	Vertical	1.48	1.20	.94	.56	.40
688-RK09D1130C3U	RK09D1130C3U	10K	B	Linear	W/O	W/O	Vertical	1.48	1.20	.94	.56	.40











ALPS 12MM SNAP-IN INSULATED SHAFT POTENTIOMETERS

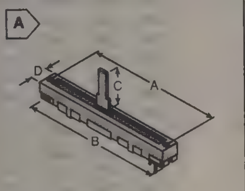
Cross Reference	
ALPS	Panasonic
RK12	EVJ

- Enhanced structural design has improved cross talk and gang error characteristics.
- R-shaped shaft end point prevents catching when inserting the knob.
- Solder bridges can hardly appear thanks to terminal configuration.

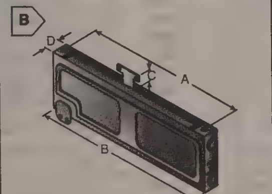
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Value Ohm	Fig.	Taper	Detent	Bushing	Mount	Price Each				
								1	25	100	500	1000
688-RK12L1210C0H	RK12L1210C0H	10K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C0K	RK12L1210C0K	20K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C0L	RK12L1210C0L	50K	D	Audio	W/O	Metal	Horizontal	2.13	1.87	1.53	.94	.65
688-RK12L1210C1K	RK12L1210C1K	10K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1210C1M	RK12L1210C1M	20K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1210C1N	RK12L1210C1N	50K	D	Linear	Center	Metal	Horizontal	2.33	2.05	1.68	1.03	.71
688-RK12L1230007	RK12L1230007	20K	E	Fader	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L123000E	RK12L123000E	50K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L123000G	RK12L123000G	10K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C03	RK12L1230C03	10K	E	Fader	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C1T	RK12L1230C1T	20K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L1230C36	RK12L1230C36	5K	E	Linear	Center	W/O	Vertical	2.53	2.23	1.82	1.12	.77
688-RK12L12C0A0A	RK12L12C0A0A	20K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0A0G	RK12L12C0A0G	10K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0A0H	RK12L12C0A0H	50K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66
688-RK12L12C0C0P	RK12L12C0C0P	5K	E	Audio	W/O	W/O	Vertical	2.45	2.20	1.55	.93	.66

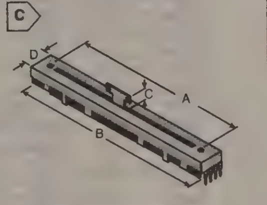
DIMENSIONS: mm



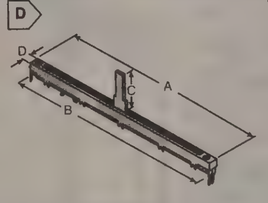
- Solderable with auto dipping.
- Available with a wide variety of detents.



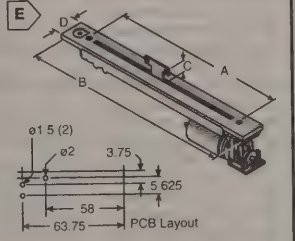
- Suitable for Master volume control in high-grade audio equipment, fader for studio mixers, etc.



- Excellent operational feel by less lever wobble.
- Allows the maximum attenuation of 110dB.



- Soft, comfortable feel and improved operability.
- Allows maximum attenuation of 110dB.



ALPS SLIDE OPERATION POTENTIOMETERS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Panasonic Cross Reference	Value Ohm	Fig.	Taper	Dimensions mm				Travel (mm)	Unit	Style	Price Each				
						A	B	C	D				1	25	50	100	200
688-RS45111A6A08	RS45111A6A08	EWA-P12C15B14	10K	A	Linear	56	60	15	8	45	Single	Std	2.75	2.25	1.87	1.65	1.51
688-RS45112A6A05	RS45112A6A05	EWA-P30C15A14	10K	A	Linear	56	60	15	8	45	Dual	Std	3.50	2.80	2.30	2.10	1.78
688-RS45112A600J	RS45112A600J	- - - - - - - - - -	10K	A	Audio	56	60	15	8	45	Dual	Std	3.50	2.80	2.30	2.10	1.78
688-RS60112A600N	RS60112A600N	EWA-Q30C15A14	10K	A	Audio	71	75	15	9	60	Dual	Std	4.00	3.20	2.65	2.40	2.26
688-RSA0K11A9A07	RSAOK11A900P	EVA-JYMP08B14	10K	B	10% Audio	120	128	8.2	4	100	Single	Rail	37.00	34.00	31.00	29.00	25.00
688-RS60112A600U	RS60112A600U	- - - - - - - - - -	20K	A	Audio	71	75	15	9	60	Dual	Std	4.00	3.20	2.65	2.40	2.26
688-RS6011YA6009	RS6011YA6009	EWA-Q12C15B14	10K	A	Linear	71	75	15	9	60	Single	Std	3.30	2.65	2.20	2.00	1.76
688-RS60K11A9000	RS60K11A9000	EVA-JXCP08	10K	B	Audio	80	92.6	8.2	13.4	60	Single	Rail	30.00	28.00	26.00	25.00	20.00
688-RSA0K11A9005	RSA0K11A9005	- - - - - - - - - -	10K	B	10% Audio	120	128	8.2	4	100	Single	Rail	37.00	34.00	31.00	29.00	25.00
688-RSA0K12A9001	RSA0K12A9001	EVB-JYBP08	10K	B	10% Audio	120	132.6	8.2	13.9	100	Dual	Rail	37.00	34.00	31.00	29.00	25.00
688-RSA0N1119A02	RSA0N1119A02	EVA-JQLR15B14	10K	C	Linear	120	128	8.2	16	100	Single	Thin	8.50	6.80	5.60	5.10	5.00
688-RS60N1219A04	RS60N1219A04	EVB-NADR15A14	10K	C	Audio	80	88	8.2	16	60	Dual	Thin	8.00	6.25	5.30	4.80	4.75
688-RSA0N11S9005	RSA0N11S9005	EVA-NF4R15A14	10K	D	Audio	120	132.6	8.2	13.9	100	Single	Mono	8.00	6.25	5.30	4.80	4.75
688-RSA0N11S9A08	RSA0N11S9A08	EVA-NF4R15D14	10K	D	10% Audio	120	128	8.25	8.4	100	Single	Mono	8.00	6.25	5.30	4.80	4.75
688-RSA0N11S9002	RSA0N11S9002	EVA-NF3R15B14	10K	D	Linear	120	128	8.2	4	100	Single	Mono	7.00	5.50	4.70	4.25	4.00
688-RS60N11S6A02	RS60N11S6A02	EVA-NE4R15A14	10K	D	Audio	80	88	14	4	60	Single	Mono	8.00	6.25	5.30	4.80	4.75
688-RS60N11S6A04	RS60N11S6A04	EVA-NE3R15B14	10K	D	Linear	80	88	14	4	60	Single	Mono	8.00	6.25	5.30	4.80	4.75
688-RSA0N11M9A05	RSA0N11M9A05	- - - - - - - - - -	10K	E	Linear	120	146.5	802	17	100	Single	Motor	47.00	42.00	39.00	37.00	35.00

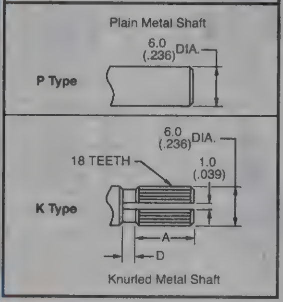
BOURNS 24mm Guitar Potentiometers

BOURNS®
Reliable Electronic Solutions

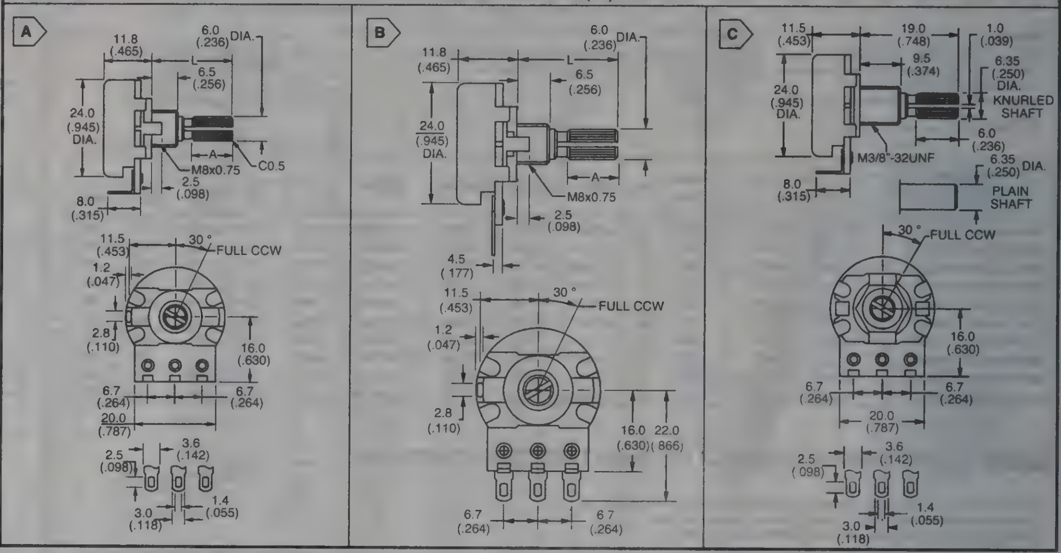
RoHS Compliant **This page of product is compliant.**

In line with our focus on the Professional Audio Market, Bourns® Sensors and Controls Division is pleased to announce the release of our new Model PDB24 - 24mm Panel Control. This new panel control provides an additional option to our growing portfolio of commercial panel controls. The most popular applications are electric guitars, sound processing equipment, and sound system amplifiers. These new panel controls are suitable for use in both professional and consumer applications.

Shaft Types


Plain Metal Shaft
6.0 (.236) DIA.
P Type
6.0 (.236) DIA.
18 TEETH
1.0 (.039)
K Type
A
D
Knurled Metal Shaft

DIMENSIONS: mm (in.)


A
11.8 (.465)
6.0 (.236) DIA.
L
6.5 (.256)
24.0 (.945) DIA.
A
C0.5
M8x0.75
2.5 (.098)
8.0 (.315)
11.5 (.453)
30°
FULL CCW
1.2 (.047)
2.8 (.110)
16.0 (.630)
6.7 (.264)
6.7 (.264)
20.0 (.787)
2.5 (.098)
3.6 (.142)
1.4 (.055)
3.0 (.118)
B
11.8 (.465)
6.0 (.236) DIA.
L
6.5 (.256)
24.0 (.945) DIA.
A
M8x0.75
2.5 (.098)
4.5 (.177)
11.5 (.453)
30°
FULL CCW
1.2 (.047)
2.8 (.110)
16.0 (.630)
22.0 (.866)
6.7 (.264)
6.7 (.264)
C
11.5 (.453)
19.0 (.748)
1.0 (.039)
9.5 (.374)
6.35 (.250) DIA.
KNURLED SHAFT
24.0 (.945) DIA.
6.0 (.236)
M3/8"-32UNF
6.35 (.250) DIA.
8.0 (.315)
PLAIN SHAFT
30°
FULL CCW
16.0 (.630)
6.7 (.264)
6.7 (.264)
20.0 (.787)
2.5 (.098)
3.6 (.142)
1.4 (.055)
3.0 (.118)

PDB24 SERIES - 24MM ROTARY POTENTIOMETER

Specifications:
- Taper: Linear, Audio
- Standard Resistance Tolerance: ±20%
- Residual Resistance:
  - R<500KΩ - 10Ω max.
  - R>500KΩ - 0.1% max.
- Operating Temperature: -10°C to +70°C
- Power Rating:
  - Linear: 0.5W
  - Audio: 0.25W
- Maximum Operating Voltage
  - Linear: 500V
  - Audio: 250V
- Rotational Noise: 150mV max.
- Mechanical Angle: 300°±5°
- Rotational Torque: 20 to 200g-cm
- Stop Strength: 8kg-cm. min.
- Rotational Life:
  - Standard: 15,000 cycles min.
  - High: 500,000 cycles min.
- Soldering Condition:
  - Manual: 300°C within 3 sec.
  - Wave: 260°C within 3 sec.
- Hardware: one flat washer and mounting nut supplied per potentiometer with bushing

Features:
- High rotational life
- Metal shaft styles
- Carbon element
- Center detent option
- Wide range of resistance tapers
- No Detent
- RoHS Compliant

Applications:
- Electric guitars
- Sound processing equipment
- Guitar and sound system amplifiers
- Appliances
- Various commercial applications

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each			
								1	25	100	1000
652-PDB241E420K103B0	PDB241-E420K-103B0	A	10K	Linear	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420K254A2	PDB241-E420K-254A2	A	250K	Audio	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420K254B0	PDB241-E420K-254B0	A	250K	Linear	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420K504A2	PDB241-E420K-504A2	A	500K	Audio	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420K504B0	PDB241-E420K-504B0	A	500K	Linear	15,000	Rear	K	2.68	2.35	2.01	1.68
652-PDB241E420P103B0	PDB241-E420P-103B0	A	10K	Linear	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241E420P254A2	PDB241-E420P-254A2	A	250K	Audio	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241E420P254B0	PDB241-E420P-254B0	A	250K	Linear	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241E420P504A2	PDB241-E420P-504A2	A	500K	Audio	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241E420P504B0	PDB241-E420P-504B0	A	500K	Linear	15,000	Rear	P	2.68	2.35	2.01	1.68
652-PDB241S420K103B0	PDB241-S420K-103B0	B	10K	Linear	15,000	Down	K	2.68	2.35	2.01	1.68
652-PDB241S420K254A2	PDB241-S420K-254A2	B	250K	Audio	15,000	Down	K	2.68	2.35	2.01	1.68
652-PDB241S420K504A2	PDB241-S420K-504A2	B	500K	Audio	15,000	Down	K	2.68	2.35	2.01	1.68
652-PDB241S420P103B0	PDB241-S420P-103B0	B	10K	Linear	15,000	Down	P	2.68	2.35	2.01	1.68
652-PDB241S420P254A2	PDB241-S420P-254A2	B	250K	Audio	15,000	Down	P	2.68	2.35	2.01	1.68
652-PDB241S420P504A2	PDB241-S420P-504A2	B	500K	Audio	15,000	Down	P	2.68	2.35	2.01	1.68
652-PDB242E420K254A2	PDB242-E420K-254A2	A	250K	Audio	500,000	Rear	K	4.08	3.57	3.06	2.55
652-PDB242E420K504A2	PDB242-E420K-504A2	A	500K	Audio	500,000	Rear	K	4.08	3.57	3.06	2.55

PDB241-GTR SERIES - 24MM GUITAR POTENTIOMETER

Specifications:
- Taper: Audio
- Standard Resistance: 250KΩ and 500KΩ
- Standard Resistance Tolerance: ±20%
- Operating Temperature: -10°C to +70°C
- Power Rating: 0.25W
- Maximum Operating Voltage: 250V
- Rotational Noise: 150mV max.
- Mechanical Angle: 300° ±5°
- Rotational Torque: 29 g-cm typical
- Stop Strength: 8 kg-cm min.
- Rotational Life: 15,000 cycles min.
- Soldering Condition:
  - Manual Soldering: 300°C within 3 sec.
  - Wave Soldering: 260°C within 3 sec.
- Hardware: One flat washer and mounting nut supplied per potentiometer with bushing

Features:
- Low torque
- Carbon element
- Plain or Knurled shaft option
- ESD wave washer
- Metal bushing
- Metal shaft
- Rear solder lugs
- RoHS Compliant

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Taper	Rotational Life	Terminal Configuration	Shaft Type	Price Each			
								1	25	100	1000
652-PDB241GTR01254A2	PDB241-GTR01-254A2	C	250K	Audio	15,000	solder lugs	K	2.75	2.42	2.20	2.09
652-PDB241GTR01504A2	PDB241-GTR01-504A2	C	500K	Audio	15,000	solder lugs	K	2.75	2.42	2.20	2.09
652-PDB241GTR02254A2	PDB241-GTR02-254A2	C	250K	Audio	15,000	solder lugs	K	2.50	2.20	2.00	1.90
652-PDB241GTR02504A2	PDB241-GTR02-504A2	C	500K	Audio	15,000	solder lugs	K	2.50	2.20	2.00	1.90

BOURNS Panel Controls

RoHS Compliant **This page of product is compliant.**

95 SERIES GUITAR POTENTIOMETER

Specifications:
- Rotational Life: 100k cycles
- Contact Resistance Variation: 1% max.
- Power Rating: 0.25W
- Moisture Resistance: ±20% TRS
- IP Rating: IP 40

Features:
- Knurled or plain metal shaft
- Conductive polymer element
- Very low noise
- Single-turn
- 250k and 500k audio taper available
- RoHS compliant

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Taper	Value KΩ	Price Each			
					1	5	10	25
652-95A1DZ28EA0300L	95A1DZ28EA0300L	A	Audio	250	23.60	20.65	19.18	17.70
652-95A1DZ28EA0301L	95A1DZ28EA0301L	B	Audio	250	23.60	20.65	19.18	17.70
652-95A1DZ28EA0302L	95A1DZ28EA0302L	A	Audio	500	14.00	12.25	11.38	10.50
652-95A1DZ28EA0303L	95A1DZ28EA0303L	B	Audio	500	14.00	12.25	11.38	10.50

PTL SERIES SLIDE POTENTIOMETER W/LED

Specifications:
- Resistance Tolerance: ±20%
- End Resistance: 30Ω max.
- Power Rating - Linear: 0.2W
- Operational Life: 15,000 cycles
- Temperature Range: -10°C ~ 55°C
- Audio Taper

Features:
- 60mm length of travel
- Carbon Element
- Red, Orange and Green LED
- Center Detent
- RoHS compliant

Applications:
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	LED Color	Price Each			
					1	50	100	500
652-PTL60-15R1-102B2	PTL60-15R1-102B2	C	1K	Red	2.64	2.31	1.98	1.65
652-PTL60-15O1-102B2	PTL60-15O1-102B2	C	1K	Orange	2.64	2.31	1.98	1.65
652-PTL60-15G1-102B2	PTL60-15G1-102B2	C	1K	Green	2.64	2.31	1.98	1.65
652-PTL60-15R1-502B2	PTL60-15R1-502B2	C	5K	Red	2.64	2.31	1.98	1.65
652-PTL60-15O1-502B2	PTL60-15O1-502B2	C	5K	Orange	2.64	2.31	1.98	1.65
652-PTL60-15G1-502B2	PTL60-15G1-502B2	C	5K	Green	2.64	2.31	1.98	1.65
652-PTL60-15R1-103B2	PTL60-15R1-103B2	C	10K	Red	2.64	2.31	1.98	1.65
652-PTL60-15O1-103B2	PTL60-15O1-103B2	C	10K	Orange	2.64	2.31	1.98	1.65
652-PTL60-15G1-103B2	PTL60-15G1-103B2	C	10K	Green	2.64	2.31	1.98	1.65
652-PTL60-15R1-503B2	PTL60-15R1-503B2	C	50K	Red	2.64	2.31	1.98	1.65
652-PTL60-15O1-503B2	PTL60-15O1-503B2	C	50K	Orange	2.64	2.31	1.98	1.65
652-PTL60-15G1-503B2	PTL60-15G1-503B2	C	50K	Green	2.64	2.31	1.98	1.65
652-PTL60-15R1-104B2	PTL60-15R1-104B2	C	100K	Red	2.64	2.31	1.98	1.65
652-PTL60-15O1-104B2	PTL60-15O1-104B2	C	100K	Orange	2.64	2.31	1.98	1.65
652-PTL60-15G1-104B2	PTL60-15G1-104B2	C	100K	Green	2.64	2.31	1.98	1.65

PTE SERIES LOW PROFILE SLIDE POTENTIOMETER

Specifications:
- Resistance Tolerance: ±20%
- End Resistance: 2Ω max.
- Operational Life: 100,000 cycles
- Temperature Range: -10°C ~ 55°C

Features:
- 60mm length of travel
- Carbon Element
- Single and Dual gang elements
- Tracking error within ±2dB
- RoHS compliant

Applications:
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Gang Elements	Price Each			
					1	50	100	500
652-PTE60-151B-102B2	PTE60-151B-102B2	D	1K	Single	7.60	6.65	5.70	4.75
652-PTE60-152B-102B2	PTE60-152B-102B2	D	1K	Dual	7.60	6.65	5.70	4.75
652-PTE60-151B-502B2	PTE60-151B-502B2	D	5K	Single	7.60	6.65	5.70	4.75
652-PTE60-152B-502B2	PTE60-152B-502B2	D	5K	Dual	7.60	6.65	5.70	4.75
652-PTE60-151B-103B2	PTE60-151B-103B2	D	10K	Single	7.60	6.65	5.70	4.75
652-PTE60-152B-103B2	PTE60-152B-103B2	D	10K	Dual	7.60	6.65	5.70	4.75
652-PTE60-151B-503B2	PTE60-151B-503B2	D	50K	Single	7.60	6.65	5.70	4.75
652-PTE60-152B-503B2	PTE60-152B-503B2	D	50K	Dual	7.60	6.65	5.70	4.75
652-PTE60-151B-104B2	PTE60-151B-104B2	D	100K	Single	7.60	6.65	5.70	4.75
652-PTE60-152B-104B2	PTE60-152B-104B2	D	100K	Dual	7.60	6.65	5.70	4.75

PTF SERIES LONG LIFE SLIDE POTENTIOMETER

Specifications:
- Resistance Tolerance: ±20%
- End Resistance: 1Ω max.
- Operational Life: 100,000 cycles
- Temperature Range: -10°C ~ 55°C

Features:
- 60mm length of travel
- Carbon Element
- Single and Dual gang elements
- Tracking error within ±2dB
- RoHS compliant

Applications:
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Price Each			
				1	50	100	500
652-PTF01-152A-102B2	PTF01-152A-102B2	E	1K	6.88	6.02	5.16	4.30
652-PTF01-152A-502B2	PTF01-152A-502B2	E	5K	6.88	6.02	5.16	4.30
652-PTF01-152A-103B2	PTF01-152A-103B2	E	10K	6.88	6.02	5.16	4.30
652-PTF01-152A-503B2	PTF01-152A-503B2	E	50K	6.88	6.02	5.16	4.30
652-PTF01-152A-104B2	PTF01-152A-104B2	E	100K	6.88	6.02	5.16	4.30

PTS SERIES HIGH GRADE SLIDE POTENTIOMETER

Specifications:
- Resistance Tolerance: ±20%
- End Resistance: 1Ω max.
- Operational Life: 100,000 cycles
- Temperature Range: -10°C ~ 55°C

Features:
- 60mm length of travel
- Carbon Element
- Single and Dual gang elements
- Tracking error within ±2dB
- RoHS compliant

Applications:
- Mixing consoles
- Drum machines
- Keyboards and synthesizers
- Equalizers

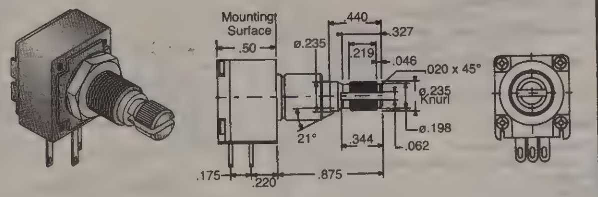
RoHS Compliant

For quantities greater than listed, call for quote.

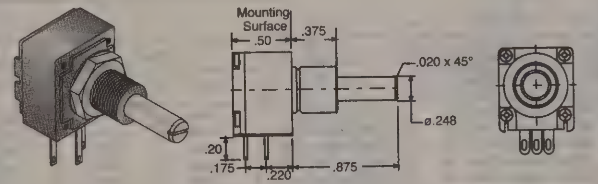
MOUSER STOCK NO.	Bourns Part No.	Fig.	Value (Ω)	Price Each			
				1	50	100	500
652-PTS60-02L-102B2	PTS60-02L-102B2	F	1K	13.60	11.90	10.20	8.50
652-PTS60-02L-502B2	PTS60-02L-502B2	F	5K	13.60	11.90	10.20	8.50
652-PTS60-02L-103B2	PTS60-02L-103B2	F	10K	13.60	11.90	10.20	8.50
652-PTS60-02L-503B2	PTS60-02L-503B2	F	50K	13.60	11.90	10.20	8.50
652-PTS60-02L-104B2	PTS60-02L-104B2	F	100K	13.60	11.90	10.20	8.50

DIMENSIONS: in.

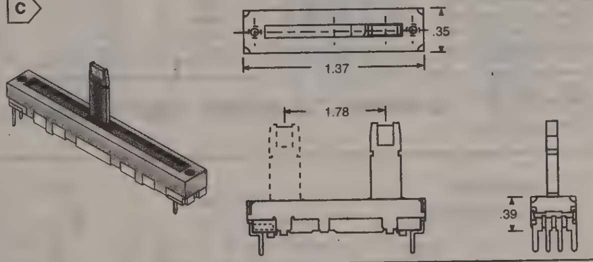
A



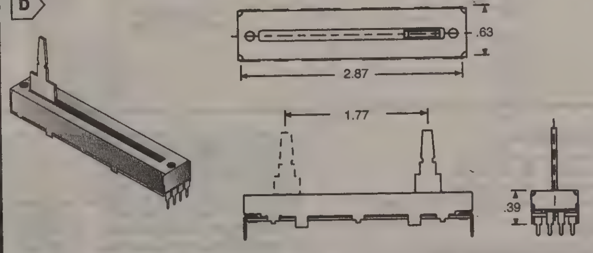
B



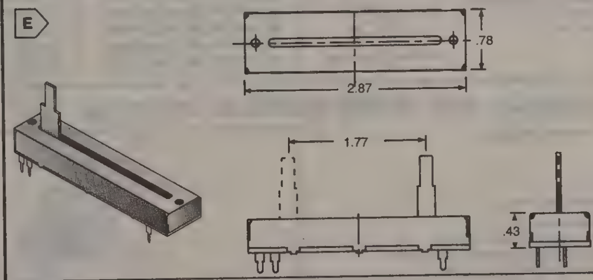
C



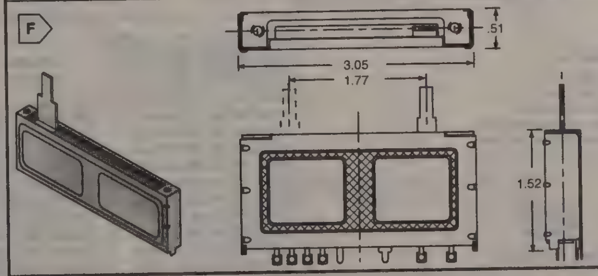
D



E



F



BOURNS Panel Controls

Reliable Electronic Solutions

51 SERIES 1/2" PANEL CONTROL

Reliable Electronic Solutions

DIMENSIONS: mm (in.)

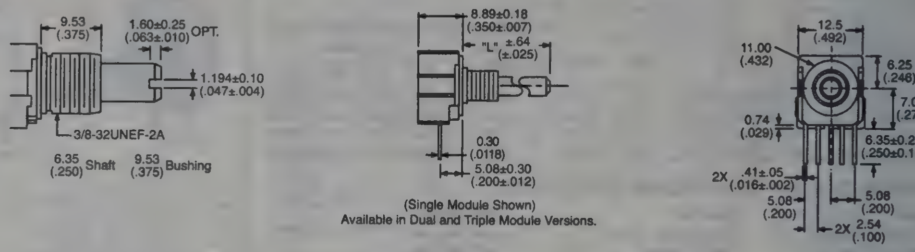
Specifications:

- Power Rating: 0.5W (CP)
  1.0W (cermet)
- Rotational Life (No Load): 50K cycles (CP)
  25K cycles (cermet)
- Temperature Coefficient: ±1000 PPM/°C (CP)
  ±150 PPM/°C (cermet)
- Operating Temperature: +1°C to +125°C

Features:

- Metal bushing and shaft
- Conductive plastic or cermet elements available
- Single turn
- Sealed to IP65
- Nut and washer included

RoHS Compliant


9.53
(.375)
1.60±0.25
(.063±.010)
OPT.
1.194±0.10
(.047±.004)
3/8-32UNEF-2A
6.35
(.250)
Shaft
9.53
(.375)
Bushing
8.89±0.18
(.350±.007)
"L" ±.64
(±.025)
0.30
(.0118)
5.08±0.30
(.200±.012)
12.5
(.492)
11.00
(.432)
6.25
(.246)
7.00
(.275)
0.74
(.029)
6.35±0.25
(.250±0.10)
2X .41±.05
(.016±.002)
5.08
(.200)
5.08
(.200)
2X 2.54
(.100)

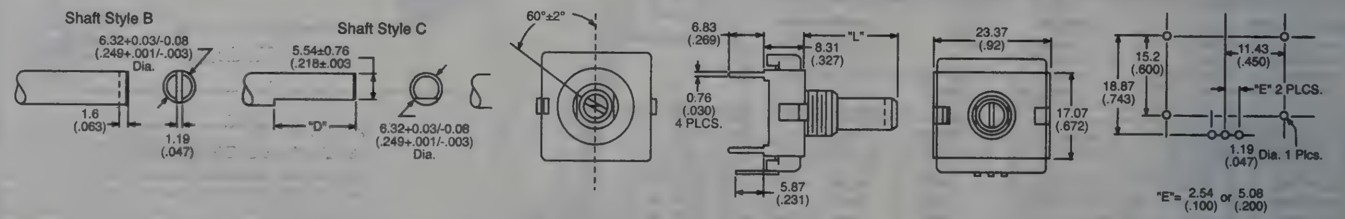
(Single Module Shown)
Available in Dual and Triple Module Versions.

MOUSER STOCK NO.	Bourns Part No.	Taper		Element Type	Value (Ω)	Price Each					
		Type	Tolerance			1	5	10	25	50	100
652-51AAA-B24-A10L	51AAA-B24-A10L	Linear	10%	Cermet	1K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-A13L	51AAA-B24-A13L	Linear	10%	Cermet	5K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-A15L	51AAA-B28-A15L	Linear	10%	Cermet	10K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-A18L	51AAA-B28-A18L	Linear	10%	Cermet	50K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-B10L	51AAA-B24-B10L	Linear	20%	CP	1K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-B13L	51AAA-B24-B13L	Linear	20%	CP	5K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-B15L	51AAA-B28-B15L	Linear	20%	CP	10K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-B18L	51AAA-B24-B18L	Linear	20%	CP	50K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-D10L	51AAA-B24-D10L	Audio	20%	CP	1K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B24-D13L	51AAA-B24-D13L	Audio	20%	CP	5K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-D15L	51AAA-B28-D15L	Audio	20%	CP	10K	9.00	8.55	7.50	7.00	6.00	5.25
652-51AAA-B28-D18L	51AAA-B28-D18L	Audio	20%	CP	50K	9.00	8.55	7.50	7.00	6.00	5.25

PC SERIES "SLIMLINE" 22MM PANEL CONTROL

Reliable Electronic Solutions

DIMENSIONS: mm (in.)


Shaft Style B
6.32+0.03/-0.08
(.249+.001/-.003)
Dia.
1.6
(.063)
1.19
(.047)
Shaft Style C
5.54±0.76
(.218±.003
"D"
6.32+0.03/-0.08
(.249+.001/-.003)
Dia.
60°±2°
6.83
(.269)
8.31
(.327)
"L"
0.76
(.030)
4 PLCS.
5.87
(.231)
23.37
(.92)
17.07
(.672)
15.2
(.600)
18.87
(.743)
11.43
(.450)
"E" 2 PLCS.
1.19
(.047)
Dia. 1 Plcs.
"E"= 2.54 (.100) or 5.08 (.200)

Specifications:

- Power Rating: 0.75W
- Rotational Life: 50K cycles
- Resistance Tolerance: ±20%
- Operating Temperature: +1°C to +125°C

Features:

- Space saving low profile design
- Plastic shaft and bushing
- Mounting bracket
- Long life

RoHS Compliant

MOUSER STOCK NO.	Bourns Part No.	Shaft Type	Value (Ω)	Price Each					
				1	5	10	25	50	100
652-PCW1JC24BAB502L	PCW1J-C24-BAB502L	Flatted	5K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1JC24BAB103L	PCW1J-C24-BAB103L	Flatted	10K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1JC24BAB503L	PCW1J-C24-BAB503L	Flatted	50K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1JC24BAB104L	PCW1J-C24-BAB104L	Flatted	100K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1JB24BAB502L	PCW1J-B24-BAB502L	Slotted	5K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1JB24BAB103L	PCW1J-B24-BAB103L	Slotted	10K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1JB24BAB503L	PCW1J-B24-BAB503L	Slotted	50K	5.39	4.62	3.85	3.47	3.08	2.77
652-PCW1JB24BAB104L	PCW1J-B24-BAB104L	Slotted	100K	5.39	4.62	3.85	3.47	3.08	2.77

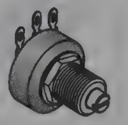
3852 SERIES 3/4" PANEL CONTROL

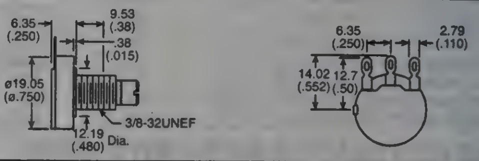
Reliable Electronic Solutions

DIMENSIONS: mm (in.)

Specifications:

- Tolerance: ±10%
- Power rating: 2 Watts @ +70°C
- Operating temperature: -1°C to +125°C
- Rotational life: 50,000 cycles




6.35
(.250)
9.53
(.38)
.38
(.015)
ø19.05
(ø.750)
3/8-32UNEF
12.19
(.480)
Dia.
6.35
(.250)
2.79
(.110)
14.02
(.552)
12.7
(.50)

For quantities of 250 and up, call for quote.

Features:

- Single-turn
- Linear taper
- Cermet element
- Nut and washer included
- Minimal depth package

RoHS Compliant

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Shaft diameter (in.)	Shaft length (in.)	Price Each						
					1	5	10	25	50	100	200
652-3852A-162-102AL	3852A-162-102AL	1K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-162-502AL	3852A-162-502AL	5K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-162-103AL	3852A-162-103AL	10K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-162-503AL	3852A-162-503AL	50K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-162-104AL	3852A-162-104AL	100K	1/4	1/2	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-102AL	3852A-282-102AL	1K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-502AL	3852A-282-502AL	5K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-103AL	3852A-282-103AL	10K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-503AL	3852A-282-503AL	50K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50
652-3852A-282-104AL	3852A-282-104AL	100K	1/4	7/8	9.16	8.51	8.00	7.12	5.80	4.90	4.50

Single-Turn Potentiometers

148-149 SERIES 1/2" SQUARE SINGLE-TURN

General Specifications:
- Temperature: -20°C to +125°C
- PCB Pins
- Electrical travel: 270°

149 Series:
- Cermet element
- Rational life: 50,000
- Power rating: 1W @ 85°C, derating to 0W @ 150°C

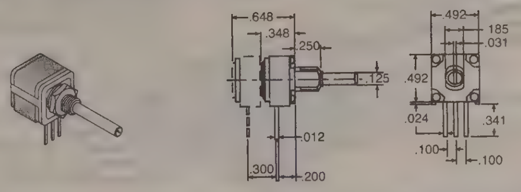
148 Series:
- Conductive plastic element
- Rational life: 100,000
- Power rating: 0.5W at 70°C, derating to 0W @ 125°C

For quantities of 200 and up, call for quote.

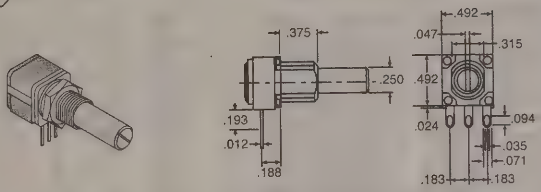
MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (Ω)	Tol. ±%	Price Each				
					1	10	25	50	100
Conductive Plastic Shaft Dia.: 1/4" Shaft Length: 7/8"									
594-148-7102	14810FAGJSX10102KA	A	1K	10	9.23	8.69	7.38	6.59	5.77
594-148-7103	14810FAGJSX10103KA	A	10K	10	9.23	8.69	7.38	6.59	5.77
594-148-7104	14810FAGJSX10104KA	A	100K	10	9.23	8.69	7.38	6.59	5.77
Conductive Plastic Shaft Dia.: 1/8" Shaft Length: 3/4"									
594-148-1102	14810AABHSX10102KA	A	1K	10	8.15	7.24	6.52	5.82	5.09
594-148-1502	14810AABHSX10502KA	A	5K	10	7.81	6.94	6.25	5.60	4.88
594-148-1103	14810AABHSX10103KA	A	10K	10	10.63	9.44	8.50	7.59	6.64
594-148-1503	14810AABHSX10503KA	A	50K	10	8.15	7.24	6.52	5.82	5.09
594-148-1104	14810AABHSX10104KA	A	100K	10	7.81	6.94	6.25	5.60	4.88
594-148-1105	14810AABHSX10105MA	A	1M	20	10.63	9.44	8.50	7.59	6.64
Cermet Shaft Dia.: 1/4" Shaft Length: 7/8"									
594-149-7102	14910FAGJSX10102KA	B	1K	10	8.94	7.95	7.15	6.39	5.59
594-149-7502	14910FAGJSX10502KA	B	5K	10	8.10	7.20	6.48	5.79	5.06
594-149-7103	14910FAGJSX10103KA	B	10K	10	8.57	7.62	6.86	6.12	5.36
594-149-7503	14910FAGJSX10503KA	B	50K	10	11.68	10.38	9.34	8.33	7.30
594-149-7104	14910FAGJSX10104KA	B	100K	10	8.57	7.62	6.86	6.12	5.36
Cermet Shaft Dia.: 1/8" Shaft Length: 3/4"									
594-149-1102	14910AABHSX10102KA	B	1K	10	7.85	6.98	6.28	5.61	4.91
594-149-1502	14910AABHSX10502KA	B	5K	10	7.52	6.69	6.02	5.37	4.70
594-149-1103	14910AABHSX10103KA	B	10K	10	7.85	6.98	6.28	5.61	4.91
594-149-1503	14910AABHSX10503KA	B	50K	10	10.25	9.12	8.20	7.32	6.41
594-149-1104	14910AABHSX10104KA	B	100K	10	7.85	6.98	6.28	5.61	4.91

DIMENSIONS: in.

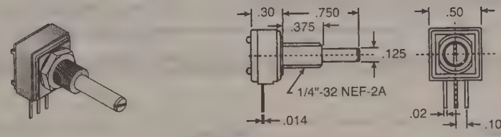
A



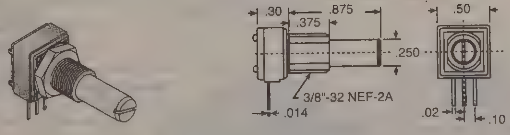
B



C



D



248-249 SERIES 1/2" SQUARE SINGLE-TURN

General Specifications:
- Temperature: -55°C to +125°C
- Rotational life: 50,000
- PCB Pins
- Electrical travel: 265° ±5°

Conductive Plastic:
- Power rating: 0.5W @ 70°C, derating to 0W @ 125°C

Cermet:
- Power rating: 1W @ 70°C, derating to 0W @ 125°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (Ω)	Tolerance ±%	Price Each				
					1	10	25	50	100
Conductive Plastic 1/8" Shaft Dia.									
594-248-1102	248-8-08-102	C	1K	20	5.87	5.54	5.15	4.66	4.19
594-248-1502	248-8-08-502	C	5K	20	5.87	5.54	5.15	4.66	4.19
594-248-1103	248-8-08-103	C	10K	20	5.87	5.54	5.15	4.66	4.19
594-248-1503	248-8-08-503	C	50K	20	5.87	5.54	5.15	4.66	4.19
594-248-1104	248-8-08-104	C	100K	20	5.87	5.54	5.15	4.66	4.19
Cermet 1/4" Shaft Dia.									
594-249-7102	249-9-10-102	D	1K	10	5.98	5.64	5.24	4.73	4.25
594-249-7502	249-9-10-502	D	5K	10	5.98	5.64	5.24	4.73	4.25
594-249-7103	249-9-10-103	D	10K	10	5.98	5.64	5.24	4.73	4.25
594-249-7503	249-9-10-503	D	50K	10	5.98	5.64	5.24	4.73	4.25
594-249-7104	249-9-10-104	D	100K	10	5.98	5.64	5.24	4.73	4.25

16MM CARBON SINGLE-TURN POTENTIOMETERS

PC16 Series

A completely insulated potentiometer. Made of autoextinguishable plastic UL94V-0. This modular design, which allows up to four potentiometers and a switch on a common shaft, is available in custom configurations by special order. Call any Mouser service representative for details.

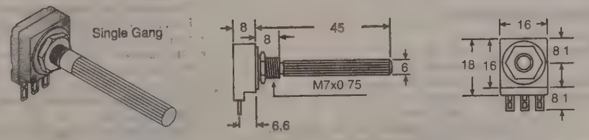
Specifications:
- Tolerance: ±20%
- Nominal power (40°C): 0.25W
- Nominal voltage: 500V
- Temperature range: -25°C to +70°C
- Linear taper
- Mechanical angle of rotation: 300°±5°
- Electrical angle of rotation: 280°±20°
- Switch contact rating: 1A @ 250V
- Solder lug terminals

For quantities of 100 and up, call for quote.

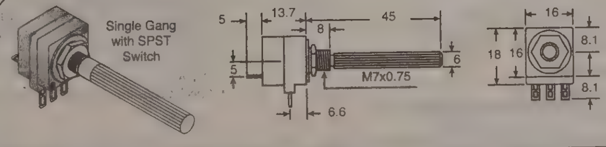
MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each		
			1	25	50
531-PC16SC-1K	PC16SH07CP06102A2020TA	A	2.35	1.95	1.77
531-PC16SC-10K	PC16SH07CP06103A2020TA	A	2.35	1.95	1.77
531-PC16SC-100K	PC16SH07CP06104A2020TA	A	2.35	1.95	1.77
531-PC16SC1A-10K	PC16SH07CP06103A2020CTA	B	2.99	2.49	2.27
531-PC16SC1A-100K	PC16SH07CP06104A2020CTA	B	2.99	2.49	2.27
531-PC16SC1A-500K	PC16SH07CP06504A2020CTA	B	2.99	2.49	2.27
531-PC16DC-1K	PC16DH07CP06102A2020TA	C	2.86	2.38	2.17
531-PC16DC-10K	PC16DH07CP06103A2020TA	C	2.86	2.38	2.17
531-PC16DC-100K	PC16DH07CP06104A2020TA	C	2.86	2.38	2.17
531-PC16DC-500K	PC16DH07CP06504A2020TA	C	2.86	2.38	2.17

DIMENSIONS: mm

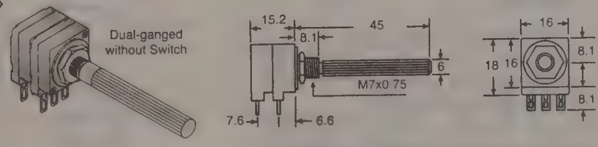
A



B



C



VISHAY / SFERNICE Potentiometers

This page of product is compliant.

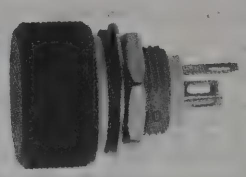
VISHAY / SFERNICE KNOB POTENTIOMETERS, MODEL P16/PA16

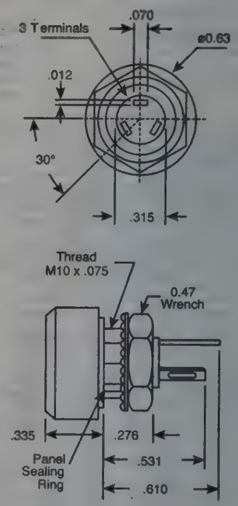
Specifications:

- Unique "Pot in a Knob"
  - for minimal clearance requirements.
- Excellent ruggedness for tough environments
- Resistance range: P16 = 22Ω-10MΩ w/Linear Taper,
  100Ω-2.2MΩ w/ Log Taper
  PA16 = 1KΩ-1MΩ w/ Linear Taper,
  470Ω-500KΩ w/ Log Taper
- Rotational Life: P16 (cermet) = 25K cycles
  PA16 (CP) = 50K cycles
- Electrical travel - 270 degrees
- Standard Tolerance: ±20%, On Request: ±10%

Features:

- Knob colors available: Black, White and Blue
  Other knob dimensions, shapes, colors, or markings are available on request
- 1 Watt at 40°C
- Test according to CECC 41300
- P16 - version for professional and industrial applications
- PA16 - version for professional audio applications
- Compact (integrated)
- High dielectric strength: 2500 V_{Rms}
- Fully sealed and panel sealed
- Cermet or conductive plastic





RoHS Compliant

DIMENSIONS: in

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Resistance Values (Ω)	Max. Power @ +40°C (W)	Maximum Current Through Wiper Im (mW)	Price Each			
					1	25	50	100
P16 Series								
72-P16NP101MAB15	P16NP101MAB15	100	1	100	8.06	7.16	6.44	5.73
72-P16NP471MAB15	P16NP471MAB15	470	1	46.1	8.06	7.16	6.44	5.73
72-P16NP102MAB15	P16NP102MAB15	1K	.5	31.6	8.06	7.16	6.44	5.73
72-P16NP222MAB15	P16NP222MAB15	2.2K	.5	21.32	8.06	7.16	6.44	5.73
72-P16NP472MAB15	P16NP472MAB15	4.7K	.5	14.58	8.06	7.16	6.44	5.73
72-P16NP103MAB15	P16NP103MAB15	10K	.5	10	8.06	7.16	6.44	5.73
72-P16NP223MAB15	P16NP223MAB15	22K	.5	6.74	8.06	7.16	6.44	5.73
72-P16NP473MAB15	P16NP473MAB15	47K	.5	4.61	8.06	7.16	6.44	5.73
72-P16NP104MAB15	P16NP104MAB15	100K	.5	3.16	8.06	7.16	6.44	5.73
72-P16NP474MAB15	P16NP474MAB15	470K	.26	0.75	8.06	7.16	6.44	5.73
72-P16NP105MAB15	P16NP105MAB15	1M	.12	0.35	8.06	7.16	6.44	5.73
PA16 Series								
72-PA16NP102MAB15	PA16NP102MAB15	1K	.5	22.4	8.98	7.98	7.18	6.38
72-PA16NP103MAB15	PA16NP103MAB15	10K	.5	7.07	8.98	7.98	7.18	6.38
72-PA16NP223MAB15	PA16NP223MAB15	22K	.5	4.77	9.08	8.17	7.30	6.49
72-PA16NP473MAB15	PA16NP473MAB15	47K	.5	3.26	8.98	7.98	7.18	6.38
72-PA16NP104MAB15	PA16NP104MAB15	100K	.5	2.24	8.98	7.98	7.18	6.38
72-PA16NP474MAB15	PA16NP474MAB15	470K	.26	0.74	8.98	7.98	7.18	6.38

VISHAY / SFERNICE FULLY SEALED CONTAINER CERMET POTENTIOMETER, SERIES PE30

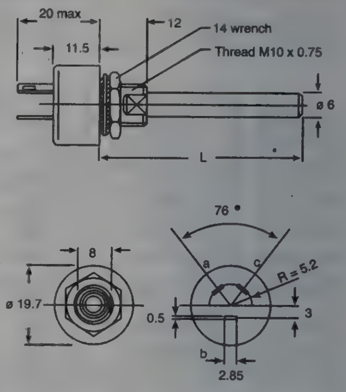
DIMENSIONS: mm

Specifications:

- Resistive Element: Cermet
- Electrical Travel: 270° ±10°
- Resistance Range - Linear: 22Ω - 10MΩ
  Logarithmic: 100Ω - 2.2MΩ
- Tolerance - Standard: ±20%
- Power Rating - Linear: 3W at 70°C
  Logarithmic: 1.5W at 70°C
- Standard Tolerance: 20%

Features:

- 3W at 70°C
- Low temperature coefficient (100ppm/°C typical)
- Full Sealing
- Mechanical Strength
- Use of faston 2.86 connections
- Tests according to CECC 41 000
- Military and proessional grade



RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Resistance Values (Ω)	Shaft Length (L) (mm)	Price Each			
				1	25	50	100
72-PE30L0FG102MAB	PE30L0FG102MAB	1K	16	15.95	14.18	12.76	10.64
72-PE30L0FG472MAB	PE30L0FG472MAB	4.7K	16	15.95	14.18	12.76	10.64
72-PE30L0FL102MAB	PE30L0FL102MAB	1K	25	19.23	17.09	15.08	13.73
72-PE30L0FL472MAB	PE30L0FL472MAB	4.7K	25	15.95	14.18	12.76	10.64
72-PE30L0FL103MAB	PE30L0FL103MAB	10K	25	15.95	14.18	12.76	10.64

VISHAY / SFERNICE 9MM GANG TO MULTI-GANG POTENTIOMETER, P9A SERIES - CONDUCTIVE PLASTIC

RoHS Compliant

DIMENSIONS: mm (In.)

Electrical Specifications:

- Electrical travel: 270°±10°
- Resistance Range - Linear: 1KΩ - 1MΩ
  Non-linear: 2KΩ - 500KΩ
- Standard Tolerance: ±20%, On Request: ±10%
- Power Rating at 70°C - Linear: .1W
  Non-Linear: .05W
  Multiple assem. Linear: .05W/module
  Multiple assem. Non-Linear: .025W/module

Mechanical Specifications:

- Travel: 300°±5°
- Rotational Life: 25,000 cycles
- Shaft Push/Pull force: 7DaN max. (15.7 lb f. max)
- Temperature range: -55°C - 100°C

Applications:

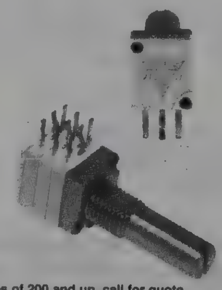
- Professional Audio
- Professional Video: Speed or lighting controls
- Long life medical instrumentation

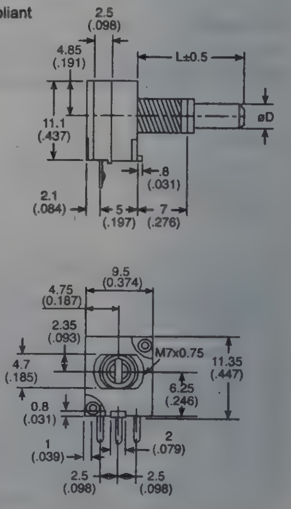
Features:

- Conductive plastic element made for excellent quality Professional Audio and Video Applications
- Shaft: Dia: 6mm, Length: 20mm Slotted
- Ultra compact (Extra miniature module size)
- Multiple Assemblies (up to seven modules)
- Shaft and panel sealed option
- Center mechanical detent fully integrated in option
- Center tap option
- Custom designs available on request

Available Options:

- Custom shafts or design on request
- Bushing with or w/out locating peg
  (with as a standard at 6 o'clock position)
- Spacer module(s) to increase the distance between rows of pins
  (by steps of 2.5mm - 3 spacers max)
- Center tap
- Specific linearity/interlinearity on request





For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Resistance Values (Ω)	Price Each			
			1	25	50	100
Single Gang Conductive Plastic Linear						
72-P9A1RFISX1BB2102M	P9A1RFISX1BB2102MA	1K	4.34	3.86	3.47	3.09
72-P9A1RFISX1BB2103M	P9A1RFISX1BB2103MA	10K	4.34	3.86	3.47	3.09
72-P9A1RFISX1BB2503M	P9A1RFISX1BB2503MA	50K	4.34	3.86	3.47	3.09
Dual Gang Conductive Plastic Linear						
72-P9A2RFISX1BB2102M	P9A2RFISX1BB2102MA	1K / 1K	6.17	5.48	4.93	4.38
72-P9A2RFISX1BB2103M	P9A2RFISX1BB2103MA	10K / 10K	6.17	5.48	4.93	4.38
72-P9A2RFISX1BB2503M	P9A2RFISX1BB2503MA	50K / 50K	6.17	5.48	4.93	4.38

TC33 SERIES 3MM SMD CERMET TRIMMING POTENTIOMETER

Features:

- Recommended for reflow processing
- Rotor design compatible with pick and place and automatic adjustment equipment
- 3mm size meets EIA/EIAJ standard trimmer footprint

Environmental Characteristics:

- Power Rating (50 VDC max.): 70°C: 0.1 watt
- Temperature Range: -40°C to +120°C
- Temperature Coefficient: ±250ppm/°C
- Humidity: 95% RH, TRS max.: ±5%
- Load Life: @ 70°C rated power 1000 hours, TRS ±5%
- Rotational Cycling: 20 cycles, TRS ± 10%

Electrical Characteristics:

- Resistance Tolerance: ±25% standard
- Resolution: Essentially infinite
- Adjustment Angle: 260°±20°

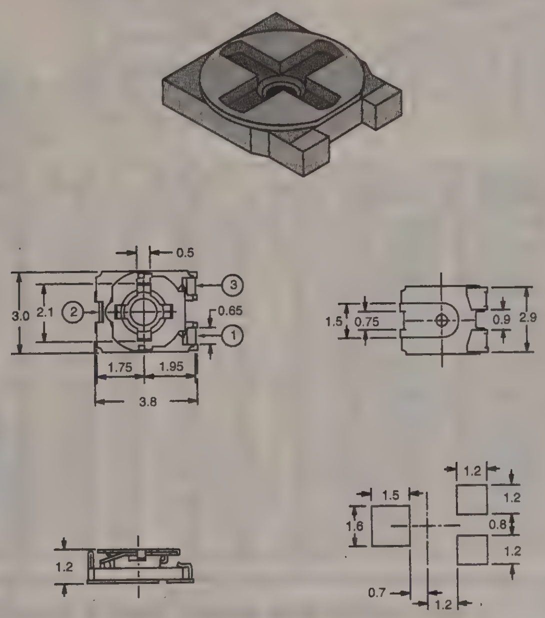
Physical Characteristics:

- Torque: 0.98-11.46 nM-m max.
- Mechanical Angle: 270° ±20°
- Marking: Part marking code
- Standard Packaging: 2500 pcs./7" Reel
- Adjustment Tool: H-90

RoHS Compliant

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each					Reel Qty.	Price Per Piece	
			1	25	100	500	1000		2500	5000
652-TC33X-2-101E	TC33X-2-101E	100	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-201E	TC33X-2-201E	200	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-301E	TC33X-2-301E	300	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-501E	TC33X-2-501E	500	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-102E	TC33X-2-102E	1K	.20	.17	.14	.12	.11	2500	.09	.08
652-TC33X-2-202E	TC33X-2-202E	2K	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-302E	TC33X-2-302E	3K	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-502E	TC33X-2-502E	5K	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-103E	TC33X-2-103E	10K	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-203E	TC33X-2-203E	20K	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-303E	TC33X-2-303E	30K	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-503E	TC33X-2-503E	50K	.20	.16	.14	.12	.11	2500	.09	.08
652-TC33X-2-104E	TC33X-2-104E	100K	.20	.16	.14	.12	.11	2500	.09	.08

DIMENSIONS: mm



TC73 SERIES 3MM SMD CARBON ELEMENT TRIMMING POTENTIOMETER

Features:

- Recommended for reflow processing
- Rotor design compatible with pick and place and automatic adjustment equipment
- Supplied in 8mm embossed tape, compatible with automatic assembly equipment
- Carbon element
- Lead-free terminals

Applications:

- Audio car radios
- Satellite receivers-digital/analog
- Computer power supplies

Physical Characteristics:

- Torque: 10-150 g-cm max.
- Mechanical Angle: Continuous, 250° ±20°
- Marking: Part marking code
- Standard Packaging: 2000pcs./7" reel

Soldering Process:

- Hand Soldering: Soldering iron of 20W or less controlled at 280° C for about 3 sec. while applying solder.
- Reflow Soldering: Peak temperature or reflow oven should be set to 240°C max.

Electrical Characteristics:

- Resistance Tolerance: ±30% standard
- Resolution: Infinite
- Adjustment Angle: 260°±20°(-2)

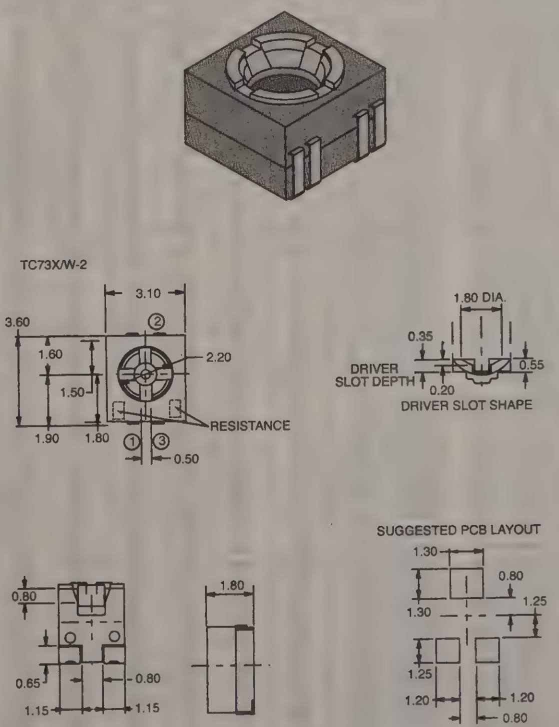
Environmental Characteristics:

- Power Rating (50 VDC max.): 50°C: 0.05 watt
- Temperature Range: -25°C to +85°C
- Temperature Coefficient: ±250ppm/°C
- Humidity: 95% RH, 500 hours, TRS max.: ±5%
- Load Life: @ 50°C rated power 500 hours, TRS ±5%
- Rotational Cycling: 20 turns, TRS ± 20%

RoHS Compliant

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each				Reel Qty.	Price Per Piece		
			1	100	500	1000		2000	4000	10000
Terminals Away From Sprocket Holes										
652-TC73X-1-501E	TC73X-1-501E	500	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73X-1-102E	TC73X-1-102E	1K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73X-1-202E	TC73X-1-202E	2K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73X-1-502E	TC73X-1-502E	5K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73X-1-103E	TC73X-1-103E	10K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73X-1-203E	TC73X-1-203E	20K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73X-1-104E	TC73X-1-104E	100K	.18	.14	.13	.11	2000	.10	.08	.078
Terminals In Direction to Sprocket Holes										
652-TC73W-1-501E	TC73W-1-501E	500	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73W-1-102E	TC73W-1-102E	1K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73W-1-202E	TC73W-1-202E	2K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73W-1-502E	TC73W-1-502E	5K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73W-1-103E	TC73W-1-103E	10K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73W-1-203E	TC73W-1-203E	20K	.18	.14	.13	.11	2000	.10	.08	.078
652-TC73W-1-104E	TC73W-1-104E	100K	.18	.14	.13	.11	2000	.10	.08	.078

DIMENSIONS: mm



BOURNS Trimmer Potentiometers

BOURNS® Reliable Electronic Solutions

RoHS Compliant This page of product is compliant.

3364 SERIES 4MM SMD SINGLE TURN CERMET TRIMMING POTENTIOMETER

Features:

- SMD Single-Turn / Cermet / Industrial Open Frame
- Cross slot rotor designs suitable for automatic adjustment equipment
- Supplied in 12mm embossed tape, compatible with automatic pick-and-place assembly equipment
- Recommended for reflow solder processing only
- Lead free terminals

Electrical Characteristics:

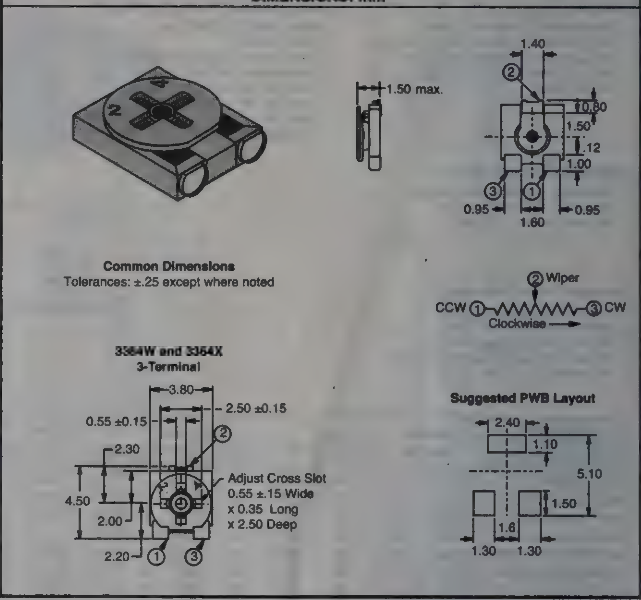
- Resistance Tolerance: ±25% standard
- Contact Resistance Variation: 5% max.
- Resolution: Infinite
- Adjustment Angle: 260°±20°

Environmental Characteristics:

- Power Rating (50 VDC max.): 70°C: 0.2 watt
- Temperature Range: -40°C to +125°C
- Temperature Coefficient: ±250 ppm/°C

RoHS Compliant

DIMENSIONS: mm


1.50 max.
1.40
2
0.80
1.50
.12
1.00
3
1
0.95
1.60
0.95
Common Dimensions
Tolerances: ±.25 except where noted
2 Wiper
CCW 1
3 CW
Clockwise
3364W and 3364X
3-Terminal
3.80
0.55 ±0.15
2.50 ±0.15
2
2.30
Adjust Cross Slot
0.55 ±.15 Wide
x 0.35 Long
x 2.50 Deep
4.50
2.00
2.20
1
3
Suggested PWB Layout
2.40
1.10
5.10
1.50
1.6
1.30
1.30

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each			Reel Qty.	Price Per Piece		
			1	25	100		1000	3000	6000
652-3364X-1-101E	3364X-1-101E	100	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-201E	3364X-1-201E	200	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-501E	3364X-1-501E	500	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-102E	3364X-1-102E	1K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-202E	3364X-1-202E	2K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-502E	3364X-1-502E	5K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-103E	3364X-1-103E	10K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-203E	3364X-1-203E	20K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-503E	3364X-1-503E	50K	.85	.81	.55	1000	.29	.26	.23
652-3364X-1-104E	3364X-1-104E	100K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-101E	3364W-1-101E	100	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-201E	3364W-1-201E	200	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-501E	3364W-1-501E	500	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-102E	3364W-1-102E	1K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-202E	3364W-1-202E	2K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-502E	3364W-1-502E	5K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-103E	3364W-1-103E	10K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-203E	3364W-1-203E	20K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-503E	3364W-1-503E	50K	.85	.81	.55	1000	.29	.26	.23
652-3364W-1-104E	3364W-1-104E	100K	.85	.81	.55	1000	.29	.26	.23

BOURNS® Reliable Electronic Solutions

3306 SERIES 6MM ROUND SINGLE TURN CERMET TRIMMING POTENTIOMETER

Features:

- 6 mm Round / Single-Turn / Cermet Industrial / Open Frame
- Cross slot adjustment options
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- Front and top adjust styles
- Lead free terminals

Electrical Characteristics:

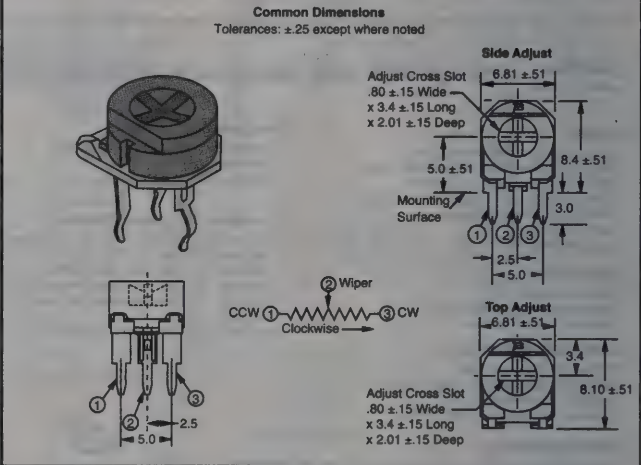
- Resistance Tolerance: ±30% standard
- Absolute Min Resistance: 1% max. (≤2K=30Ω)
- Contact Resistance Variation: .3% max.
- Resolution: Essentially infinite
- Adjustment Angle: 215° nominal

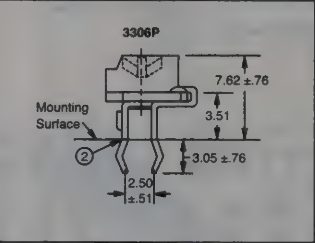
Environmental Characteristics:

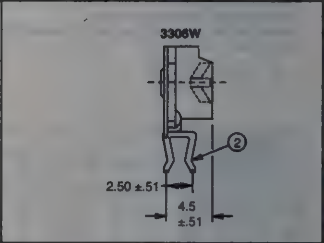
- Power Rating (100 Volts max.): 70°C: 0.3 watt
- Temperature Range: -30°C to +100°C
- Temperature Coefficient: ±250 ppm/°C
- Load Life: 1000 hours 0.3 watt @ 70°C

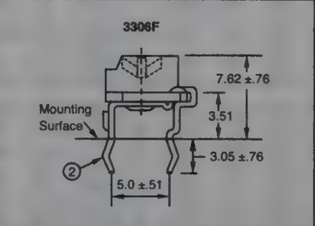
RoHS Compliant

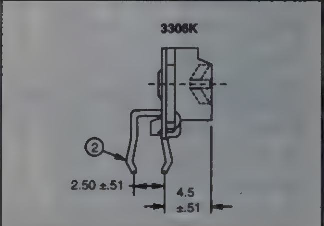
DIMENSIONS: mm


Common Dimensions
Tolerances: ±.25 except where noted
Side Adjust
Adjust Cross Slot
.80 ±.15 Wide
x 3.4 ±.15 Long
x 2.01 ±.15 Deep
6.81 ±.51
5.0 ±.51
8.4 ±.51
Mounting Surface
3.0
1
2
3
2.5
5.0
2 Wiper
CCW 1
3 CW
Clockwise
1
2
3
2.5
5.0
Top Adjust
6.81 ±.51
3.4
8.10 ±.51
Adjust Cross Slot
.80 ±.15 Wide
x 3.4 ±.15 Long
x 2.01 ±.15 Deep


3306P
7.62 ±.76
Mounting Surface
3.51
2
3.05 ±.76
2.50
±.51


3306W
2
2.50 ±.51
4.5
±.51


3306F
7.62 ±.76
Mounting Surface
3.51
2
3.05 ±.76
5.0 ±.51


3306K
2
2.50 ±.51
4.5
±.51

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each						
			1	10	100	500	1000	5000	10000
652-3306W-1-101	3306W-1-101	100	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-201	3306W-1-201	200	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-501	3306W-1-501	500	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-102	3306W-1-102	1K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-202	3306W-1-202	2K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-502	3306W-1-502	5K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-103	3306W-1-103	10K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-203	3306W-1-203	20K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-253	3306W-1-253	25K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-503	3306W-1-503	50K	.56	.43	.39	.22	.19	.17	.15
652-3306W-1-104	3306W-1-104	100K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-101	3306K-1-101	100	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-201	3306K-1-201	200	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-501	3306K-1-501	500	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-102	3306K-1-102	1K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-202	3306K-1-202	2K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-502	3306K-1-502	5K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-103	3306K-1-103	10K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-203	3306K-1-203	20K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-253	3306K-1-253	25K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-503	3306K-1-503	50K	.56	.43	.39	.22	.19	.17	.15
652-3306K-1-104	3306K-1-104	100K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-101	3306P-1-101	100	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-201	3306P-1-201	200	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-501	3306P-1-501	500	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-102	3306P-1-102	1K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-202	3306P-1-202	2K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-502	3306P-1-502	5K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-103	3306P-1-103	10K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-203	3306P-1-203	20K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-253	3306P-1-253	25K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-503	3306P-1-503	50K	.56	.43	.39	.22	.19	.17	.15
652-3306P-1-104	3306P-1-104	100K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-101	3306F-1-101	100	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-201	3306F-1-201	200	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-501	3306F-1-501	500	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-102	3306F-1-102	1K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-202	3306F-1-202	2K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-502	3306F-1-502	5K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-103	3306F-1-103	10K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-203	3306F-1-203	20K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-253	3306F-1-253	25K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-503	3306F-1-503	50K	.56	.43	.39	.22	.19	.17	.15
652-3306F-1-104	3306F-1-104	100K	.56	.43	.39	.22	.19	.17	.15

RoHS Compliant This page of product is compliant.

BOURNS 3309W & 3309P SERIES 9MM ROUND SINGLE TURN CERMET TRIMMING POTENTIOMETER

Features:

- 9 mm Round / Single-Turn / Cermet Industrial Open Frame
- Both sides adjust
- Cross slot and hexagon adjustment designs
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- Lead free terminals

Electrical Characteristics:

- Resistance Tolerance: ±30% standard (tighter tolerance available)
- Absolute Min. Resistance: 1% max. (≤2K=30Ω)
- Contact Resistance Variation: .3% max.
- Resolution: Essentially infinite
- Adjustment Angle: 235° nominal

RoHS Compliant

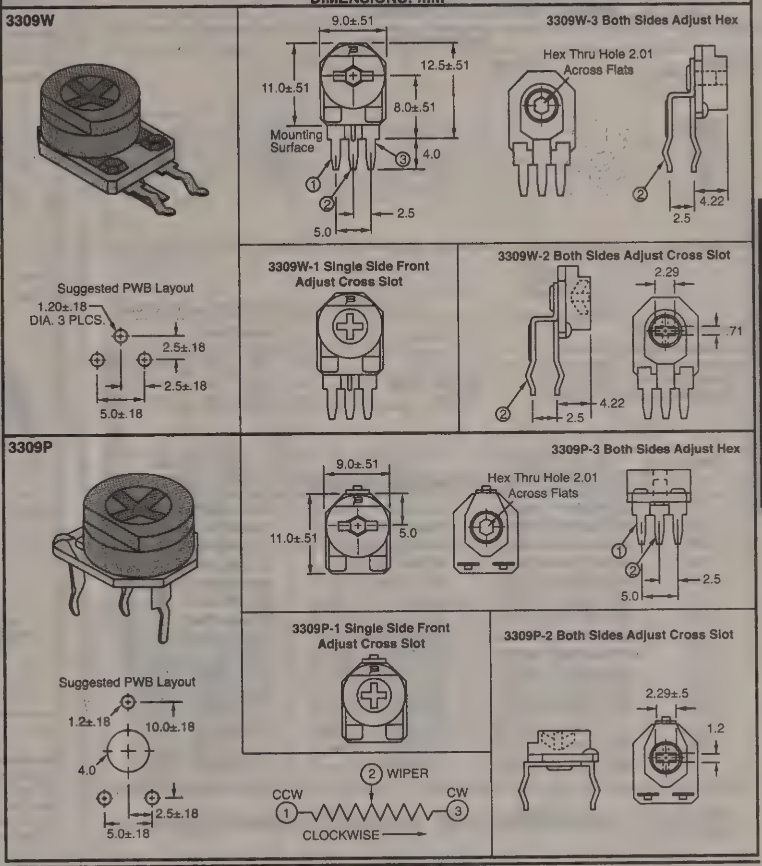
Environmental Characteristics:

- Power Rating (250 Volts max.): 70°C: 0.2 watt
- Temperature Range: -30°C to +100°C
- Temperature Coefficient: ±250 ppm/°C
- Load Life: 1000 hours 0.5 watt @ 70°C (3%)

3309W and 3309P Price Each						
1	50	100	200	400	600	800
.63	.55	.46	.38	.28	.25	.23

Value (Ω)	MOUSER STOCK NO.	MOUSER STOCK NO.
1K	652-3309W-1-102	652-3309P-1-102
2K	652-3309W-1-202	652-3309P-1-202
5K	652-3309W-1-502	652-3309P-1-502
10K	652-3309W-1-103	652-3309P-1-103
20K	652-3309W-1-203	652-3309P-1-203
25K	652-3309W-1-253	652-3309P-1-253
50K	652-3309W-1-503	652-3309P-1-503
100K	652-3309W-1-104	652-3309P-1-104
100	652-3309W-2-101	652-3309P-2-101
200	652-3309W-2-201	652-3309P-2-201
500	652-3309W-2-501	652-3309P-2-501
1K	652-3309W-2-102	652-3309P-2-102
2K	652-3309W-2-202	652-3309P-2-202
5K	652-3309W-2-502	652-3309P-2-502
10K	652-3309W-2-103	652-3309P-2-103
20K	652-3309W-2-203	652-3309P-2-203
25K	652-3309W-2-253	652-3309P-2-253
50K	652-3309W-2-503	652-3309P-2-503
100K	652-3309W-2-104	652-3309P-2-104
1K	652-3309W-3-102	652-3309P-3-102
2K	652-3309W-3-202	652-3309P-3-202
5K	652-3309W-3-502	652-3309P-3-502
10K	652-3309W-3-103	652-3309P-3-103
20K	652-3309W-3-203	652-3309P-3-203
25K	652-3309W-3-253	652-3309P-3-253
50K	652-3309W-3-503	652-3309P-3-503
100K	652-3309W-3-104	652-3309P-3-104

DIMENSIONS: mm


3309W
9.0±.51
3309W-3 Both Sides Adjust Hex
Hex Thru Hole 2.01 Across Flats
11.0±.51
12.5±.51
8.0±.51
Mounting Surface
4.0
2.5
5.0
4.22
3309W-1 Single Side Front Adjust Cross Slot
3309W-2 Both Sides Adjust Cross Slot
2.29
.71
Suggested PWB Layout
1.20±.18 DIA. 3 PLCS.
2.5±.18
5.0±.18
3309P
3309P-3 Both Sides Adjust Hex
5.0
3309P-1 Single Side Front Adjust Cross Slot
3309P-2 Both Sides Adjust Cross Slot
2.29±.5
1.2
1.2±.18
10.0±.18
2 WIPER
CCW
CW
CLOCKWISE

BOURNS 3319W & 3319P SERIES 9MM ROUND SINGLE TURN CARBON TRIMMING POTENTIOMETER

Features:

- 9 mm Round / Single Turn / Carbon Commercial / Open Frame
- Both sides adjust
- Cross slot and hexagon adjustment designs
- Horizontal and vertical mounting styles
- Dust resistant/splash resistant covers
- PC board stand-offs and retention feature
- Lead free terminals

Electrical Characteristics:

- Resistance Tolerance: ±25% standard
- End Resistance: 2% max. (≤2k=30Ω)
- Contact Resistance Variation: 3% max.
- Resolution: Infinite
- Adjustment Angle: 235° nominal

RoHS Compliant

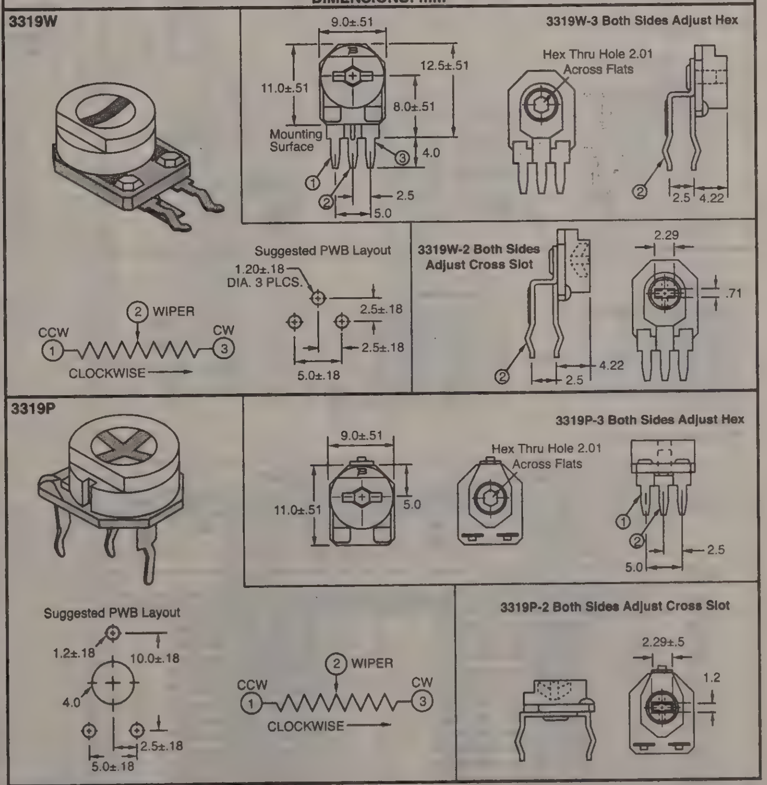
Environmental Characteristics:

- Power Rating (200 volts max.): 70°C: 0.2 watt
- Temperature Range: -25°C to +100°C
- Temperature Coefficient: ±1000 ppm/°C
- Load Life: 1000 hours 0.2 watt @ 70°C

3319W and 3319P Price Each						
1	50	100	200	400	600	800
.39	.24	.21	.19	.17	.15	.14

Value (Ω)	MOUSER STOCK NO.	MOUSER STOCK NO.
100	652-3319W-2-101	652-3319P-2-101
200	652-3319W-2-201	652-3319P-2-201
500	652-3319W-2-501	652-3319P-2-501
1K	652-3319W-2-102	652-3319P-2-102
2K	652-3319W-2-202	652-3319P-2-202
5K	652-3319W-2-502	652-3319P-2-502
10K	652-3319W-2-103	652-3319P-2-103
20K	652-3319W-2-203	652-3319P-2-203
50K	652-3319W-2-503	652-3319P-2-503
100K	652-3319W-2-104	652-3319P-2-104
100	652-3319W-3-101	652-3319P-3-101
200	652-3319W-3-201	652-3319P-3-201
500	652-3319W-3-501	652-3319P-3-501
1K	652-3319W-3-102	652-3319P-3-102
2K	652-3319W-3-202	652-3319P-3-202
5K	652-3319W-3-502	652-3319P-3-502
10K	652-3319W-3-103	652-3319P-3-103
20K	652-3319W-3-203	652-3319P-3-203
50K	652-3319W-3-503	652-3319P-3-503
100K	652-3319W-3-104	652-3319P-3-104

DIMENSIONS: mm


3319W
9.0±.51
3319W-3 Both Sides Adjust Hex
Hex Thru Hole 2.01 Across Flats
11.0±.51
12.5±.51
8.0±.51
Mounting Surface
4.0
2.5
5.0
4.22
Suggested PWB Layout
1.20±.18 DIA. 3 PLCS.
2.5±.18
5.0±.18
2 WIPER
CCW
CW
CLOCKWISE
3319W-2 Both Sides Adjust Cross Slot
2.29
.71
3319P
3319P-3 Both Sides Adjust Hex
1.2±.18
10.0±.18
3319P-2 Both Sides Adjust Cross Slot
2.29±.5
1.2

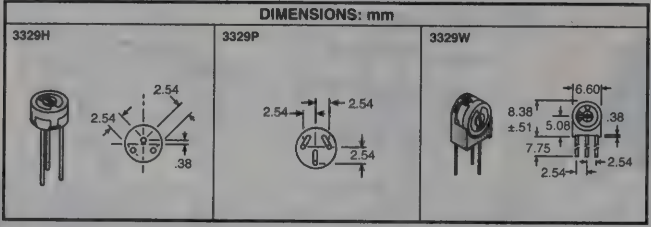
BOURNS Single-Turn Trimmer Potentiometers

RoHS Compliant This page of product is compliant.

Reliable Electronic Solutions

3329 SERIES 1/4" SINGLE TURN ROUND/ INDUSTRIAL/ SEALED

DIMENSIONS: mm



RoHS Compliant

Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.50W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

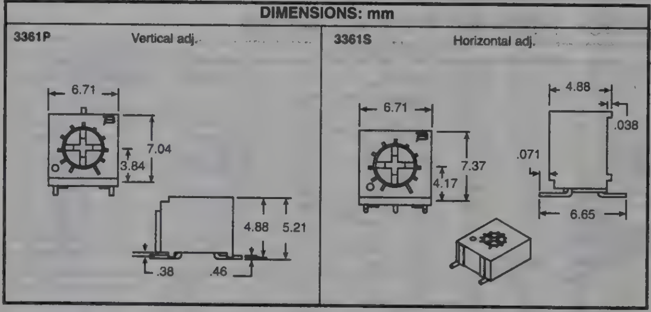
For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3329H, 3329P	2.24	1.91	1.67	1.57	1.40	1.30
3329W	2.62	2.00	1.89	1.82	1.70	1.60

Value (Ω)	3329H Series	3329P Series	3329W Series
	MOUSER STOCK NO.		
50	652-3329H-1-500LF	652-3329P-1-500LF	652-3329W-1-500LF
100	652-3329H-1-101LF	652-3329P-1-101LF	652-3329W-1-101LF
200	652-3329H-1-201LF	652-3329P-1-201LF	652-3329W-1-201LF
500	652-3329H-1-501LF	652-3329P-1-501LF	652-3329W-1-501LF
1K	652-3329H-1-102LF	652-3329P-1-102LF	652-3329W-1-102LF
2K	652-3329H-1-202LF	652-3329P-1-202LF	652-3329W-1-202LF
5K	652-3329H-1-502LF	652-3329P-1-502LF	652-3329W-1-502LF
10K	652-3329H-1-103LF	652-3329P-1-103LF	652-3329W-1-103LF
20K	652-3329H-1-203LF	652-3329P-1-203LF	652-3329W-1-203LF
25K	652-3329H-1-253LF	652-3329P-1-253LF	652-3329W-1-253LF
50K	652-3329H-1-503LF	652-3329P-1-503LF	652-3329W-1-503LF
100K	652-3329H-1-104LF	652-3329P-1-104LF	652-3329W-1-104LF
200K	652-3329H-1-204LF	652-3329P-1-204LF	652-3329W-1-204LF
500K	652-3329H-1-504LF	652-3329P-1-504LF	652-3329W-1-504LF
1M	652-3329H-1-105LF	652-3329P-1-105LF	652-3329W-1-105LF

3361 SERIES 1/4" SQUARE/ CERMET/ SEALED

DIMENSIONS: mm



Features:

- Surface mount / single turn / industrial / sealed
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion
- Compatible with surface mount manufacturing processes

Specification:

- Resistance tolerance: ±10% std. (tighter tolerance available)
- Power rating: (300 volts max.) 70°C - 0.50 watt; 125°C - 0 watt
- Temp. range: -55°C to +125°C
- Temp. coefficient: ±100ppm/°C
- Rotational life: 200 cycles

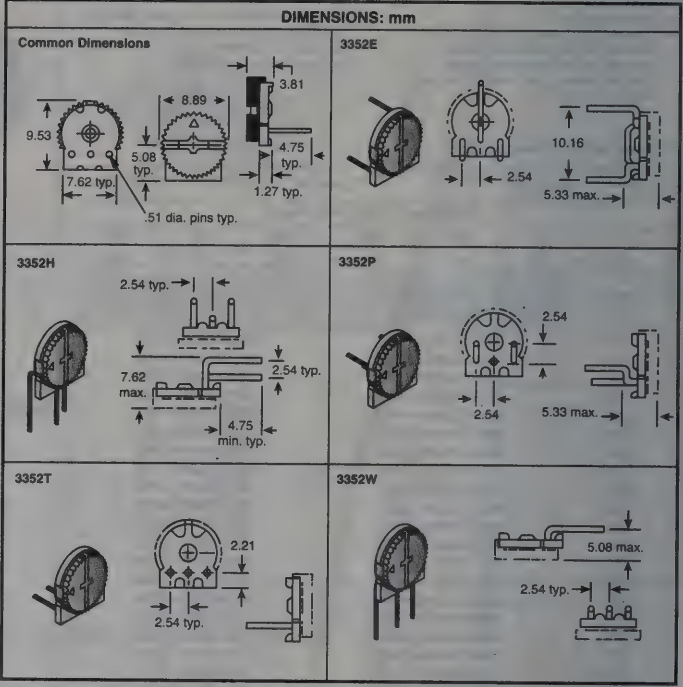
RoHS Compliant

Series No.	Reel Qty.	Price Each					
		1	50	100	500	750	1500
3361P	750	.95	.88	.79	.70	.60	.56
3361S	500	.95	.88	.79	.70	--	.56

Value (Ω)	3361P	3361S
	MOUSER STOCK NO.	
100	652-3361P-1-101GLF	652-3361S-1-101GLF
200	652-3361P-1-201GLF	652-3361S-1-201GLF
500	652-3361P-1-501GLF	652-3361S-1-501GLF
1K	652-3361P-1-102GLF	652-3361S-1-102GLF
2K	652-3361P-1-202GLF	652-3361S-1-202GLF
5K	652-3361P-1-502GLF	652-3361S-1-502GLF
10K	652-3361P-1-103GLF	652-3361S-1-103GLF
20K	652-3361P-1-203GLF	652-3361S-1-203GLF
25K	652-3361P-1-253GLF	652-3361S-1-253GLF
50K	652-3361P-1-503GLF	652-3361S-1-503GLF
100K	652-3361P-1-104GLF	652-3361S-1-104GLF

3352 SERIES 3/8" SINGLE TURN ROUND/ CERMET/OPEN FRAME/TRIMMER

DIMENSIONS: mm



Features:

- Stable cermet element offers infinite resolution
- Very low profile
- Thumb and screwdriver adjustment

RoHS Compliant

Specifications:

- Resistance tolerance: ±20% std.
- Power rating: 85°C - 0.50W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C 2K and up; ±150ppm/°C below 2K

Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3352E	1.02	.95	.86	.70	.61	.55	Call for Quote
3352H	1.02	.95	.86	.70	.61	.55	
3352P	1.02	.95	.86	.70	.61	.55	
3352T	1.02	.95	.86	.70	.61	.55	
3352W	1.02	.95	.86	.70	.61	.55	

Value (Ω)	3352E Series	3352H Series	3352P Series
	MOUSER STOCK NO.		
50	652-3352E-1-500LF	652-3352H-1-500LF	652-3352P-1-500LF
100	652-3352E-1-101LF	652-3352H-1-101LF	652-3352P-1-101LF
200	652-3352E-1-201LF	652-3352H-1-201LF	652-3352P-1-201LF
500	652-3352E-1-501LF	652-3352H-1-501LF	652-3352P-1-501LF
1K	652-3352E-1-102LF	652-3352H-1-102LF	652-3352P-1-102LF
2K	652-3352E-1-202LF	652-3352H-1-202LF	652-3352P-1-202LF
5K	652-3352E-1-502LF	652-3352H-1-502LF	652-3352P-1-502LF
10K	652-3352E-1-103LF	652-3352H-1-103LF	652-3352P-1-103LF
20K	652-3352E-1-203LF	652-3352H-1-203LF	652-3352P-1-203LF
50K	652-3352E-1-503LF	652-3352H-1-503LF	652-3352P-1-503LF
100K	652-3352E-1-104LF	652-3352H-1-104LF	652-3352P-1-104LF
200K	652-3352E-1-204LF	652-3352H-1-204LF	652-3352P-1-204LF
500K	652-3352E-1-504LF	652-3352H-1-504LF	652-3352P-1-504LF
1M	652-3352E-1-105LF	652-3352H-1-105LF	652-3352P-1-105LF
2M	652-3352E-1-205LF	652-3352H-1-205LF	652-3352P-1-205LF

Value (Ω)	3352T Series	3352W Series
	MOUSER STOCK NO.	
50	652-3352T-1-500LF	652-3352W-1-500LF
100	652-3352T-1-101LF	652-3352W-1-101LF
200	652-3352T-1-201LF	652-3352W-1-201LF
500	652-3352T-1-501LF	652-3352W-1-501LF
1K	652-3352T-1-102LF	652-3352W-1-102LF
2K	652-3352T-1-202LF	652-3352W-1-202LF
5K	652-3352T-1-502LF	652-3352W-1-502LF
10K	652-3352T-1-103LF	652-3352W-1-103LF
20K	652-3352T-1-203LF	652-3352W-1-203LF
50K	652-3352T-1-503LF	652-3352W-1-503LF
100K	652-3352T-1-104LF	652-3352W-1-104LF
200K	652-3352T-1-204LF	652-3352W-1-204LF
500K	652-3352T-1-504LF	652-3352W-1-504LF
1M	652-3352T-1-105LF	652-3352W-1-105LF
2M	652-3352T-1-205LF	652-3352W-1-205LF

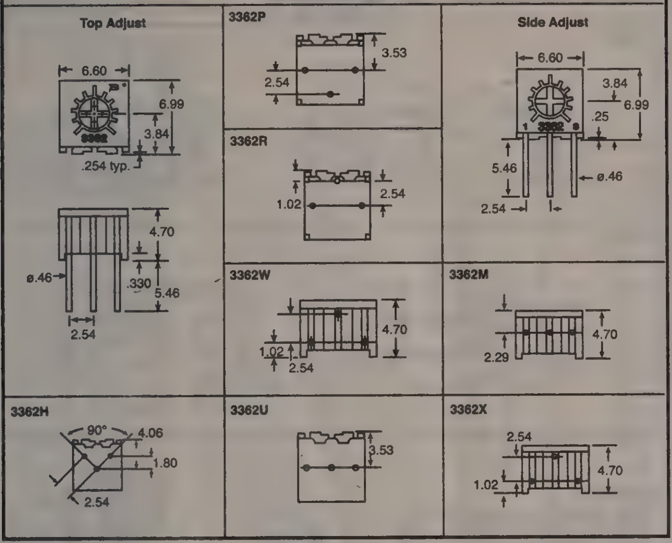
BOURNS Single-Turn Trimmer Potentiometers

BOURNS®
Reliable Electronic Solutions

RoHS Compliant **This page of product is compliant.**

BOURNS 3362 SERIES 1/4" SQUARE/ INDUSTRIAL/ SEALED

DIMENSIONS: mm



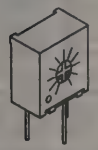
Features:

- Single turn / cermet / industrial / sealed
- Miniature package
- Rotor designed for automatic machine adjust interface
- Withstands harsh environments and immersion cleaning processes
- Available on tape and reel packaging

Specification:

- Resistance tolerance: ±10% std. (tighter tolerance available)
- Power rating: (300 volts max.) 70°C - 0.50 watt; 125°C - 0 watt
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C
- Rotational life: 200 cycles
- Seal test: 85°C fluorinert
- Marking: resistance code, terminal numbers, manufacturer's model number, style, and date code.

RoHS Compliant



Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3362H	.83	.75	.70	.65	.60	.55	Call for Quote
3362M	.83	.75	.70	.65	.60	.55	
3362P	.83	.75	.70	.65	.60	.55	
3362R	.83	.75	.70	.65	.60	.55	
3362U	.83	.75	.70	.65	.60	.55	
3362W	.83	.75	.70	.65	.60	.55	
3362X	.83	.75	.70	.65	.60	.55	

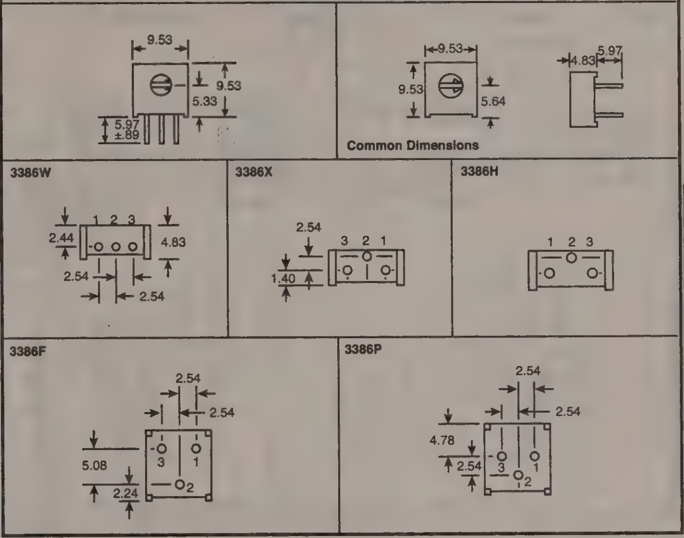
Value (Ω)	3362P Series	3362R Series	3362W Series
	MOUSER STOCK NO.		
100	652-3362P-1-101LF	652-3362R-1-101LF	652-3362W-1-101LF
200	652-3362P-1-201LF	652-3362R-1-201LF	652-3362W-1-201LF
500	652-3362P-1-501LF	652-3362R-1-501LF	652-3362W-1-501LF
1K	652-3362P-1-102LF	652-3362R-1-102LF	652-3362W-1-102LF
2K	652-3362P-1-202LF	652-3362R-1-202LF	652-3362W-1-202LF
5K	652-3362P-1-502LF	652-3362R-1-502LF	652-3362W-1-502LF
10K	652-3362P-1-103LF	652-3362R-1-103LF	652-3362W-1-103LF
20K	652-3362P-1-203LF	652-3362R-1-203LF	652-3362W-1-203LF
25K	652-3362P-1-253LF	652-3362R-1-253LF	652-3362W-1-253LF
50K	652-3362P-1-503LF	652-3362R-1-503LF	652-3362W-1-503LF
100K	652-3362P-1-104LF	652-3362R-1-104LF	652-3362W-1-104LF

Value (Ω)	3362H Series	3362M Series
	MOUSER STOCK NO.	
100	652-3362H-1-101LF	652-3362M-1-101LF
200	652-3362H-1-201LF	652-3362M-1-201LF
500	652-3362H-1-501LF	652-3362M-1-501LF
1K	652-3362H-1-102LF	652-3362M-1-102LF
2K	652-3362H-1-202LF	652-3362M-1-202LF
5K	652-3362H-1-502LF	652-3362M-1-502LF
10K	652-3362H-1-103LF	652-3362M-1-103LF
20K	652-3362H-1-203LF	652-3362M-1-203LF
25K	652-3362H-1-253LF	652-3362M-1-253LF
50K	652-3362H-1-503LF	652-3362M-1-503LF
100K	652-3362H-1-104LF	652-3362M-1-104LF

Value (Ω)	3362U Series	3362X Series
	MOUSER STOCK NO.	
100	652-3362U-1-101LF	652-3362X-1-101LF
200	652-3362U-1-201LF	652-3362X-1-201LF
500	652-3362U-1-501LF	652-3362X-1-501LF
1K	652-3362U-1-102LF	652-3362X-1-102LF
2K	652-3362U-1-202LF	652-3362X-1-202LF
5K	652-3362U-1-502LF	652-3362X-1-502LF
10K	652-3362U-1-103LF	652-3362X-1-103LF
20K	652-3362U-1-203LF	652-3362X-1-203LF
25K	652-3362U-1-253LF	652-3362X-1-253LF
50K	652-3362U-1-503LF	652-3362X-1-503LF
100K	652-3362U-1-104LF	652-3362X-1-104LF

BOURNS 3386 SERIES 3/8" SQUARE/ INDUSTRIAL/ SEALED

DIMENSIONS: mm



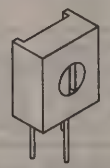
Features:

- Single turn / cermet / industrial / sealed
- Available on tape and reel
- Available with a knob for finger adjust
- Available with extended shaft
- Available with cross-slot rotor
- Top and side adjust types (F, P, H, W, X, most popular)

Specifications:

- Resistance tolerance: ±10% std. (tighter tolerance available)
- Absolute minimum resistance: 2 Ω max.
- Power rating: (300 volts max.) 85°C - 0.5 watt; 125°C - 0 watt
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C
- Rotational life: 200 cycles

RoHS Compliant



Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3386W	1.15	1.00	.90	.78	.74	.68	Call for Quote
3386F	1.15	1.00	.90	.78	.74	.68	
3386H	1.15	1.00	.90	.78	.74	.68	
3386P	1.15	1.00	.90	.78	.74	.68	
3386X	1.15	1.00	.90	.78	.74	.68	

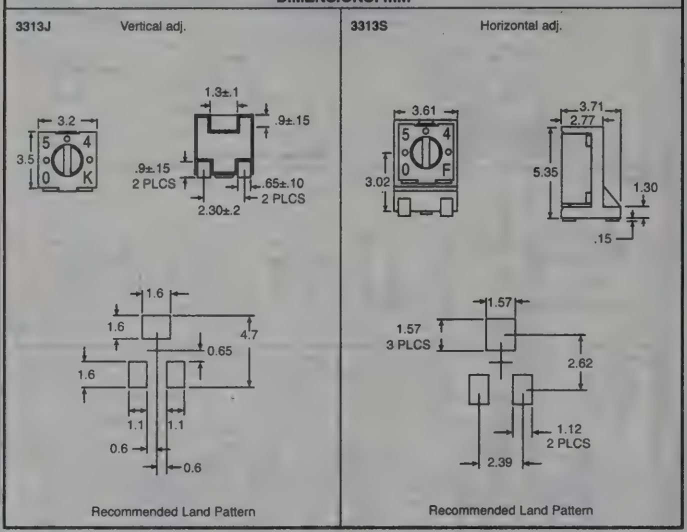
Value (Ω)	3386W Series	3386F Series	3386H Series
	MOUSER STOCK NO.		
50	652-3386W-1-500LF	652-3386F-1-500LF	652-3386H-1-500LF
100	652-3386W-1-101LF	652-3386F-1-101LF	652-3386H-1-101LF
200	652-3386W-1-201LF	652-3386F-1-201LF	652-3386H-1-201LF
500	652-3386W-1-501LF	652-3386F-1-501LF	652-3386H-1-501LF
1K	652-3386W-1-102LF	652-3386F-1-102LF	652-3386H-1-102LF
2K	652-3386W-1-202LF	652-3386F-1-202LF	652-3386H-1-202LF
5K	652-3386W-1-502LF	652-3386F-1-502LF	652-3386H-1-502LF
10K	652-3386W-1-103LF	652-3386F-1-103LF	652-3386H-1-103LF
20K	652-3386W-1-203LF	652-3386F-1-203LF	652-3386H-1-203LF
25K	652-3386W-1-253LF	652-3386F-1-253LF	652-3386H-1-253LF
50K	652-3386W-1-503LF	652-3386F-1-503LF	652-3386H-1-503LF
100K	652-3386W-1-104LF	652-3386F-1-104LF	652-3386H-1-104LF
200K	652-3386W-1-204LF	652-3386F-1-204LF	652-3386H-1-204LF
250K	652-3386W-1-254LF	652-3386F-1-254LF	652-3386H-1-254LF
500K	652-3386W-1-504LF	652-3386F-1-504LF	652-3386H-1-504LF
1M	652-3386W-1-105LF	652-3386F-1-105LF	652-3386H-1-105LF
2M	652-3386W-1-205LF	652-3386F-1-205LF	652-3386H-1-205LF

Value (Ω)	3386P Series	3386X Series
	MOUSER STOCK NO.	
50	652-3386P-1-500LF	652-3386X-1-500LF
100	652-3386P-1-101LF	652-3386X-1-101LF
200	652-3386P-1-201LF	652-3386X-1-201LF
500	652-3386P-1-501LF	652-3386X-1-501LF
1K	652-3386P-1-102LF	652-3386X-1-102LF
2K	652-3386P-1-202LF	652-3386X-1-202LF
5K	652-3386P-1-502LF	652-3386X-1-502LF
10K	652-3386P-1-103LF	652-3386X-1-103LF
20K	652-3386P-1-203LF	652-3386X-1-203LF
25K	652-3386P-1-253LF	652-3386X-1-253LF
50K	652-3386P-1-503LF	652-3386X-1-503LF
100K	652-3386P-1-104LF	652-3386X-1-104LF
200K	652-3386P-1-204LF	652-3386X-1-204LF
250K	652-3386P-1-254LF	652-3386X-1-254LF
500K	652-3386P-1-504LF	652-3386X-1-504LF
1M	652-3386P-1-105LF	652-3386X-1-105LF
2M	652-3386P-1-205LF	652-3386X-1-205LF

BOURNS Single-Turn Trimmer Potentiometers

BOURNS 3313 SERIES 3MM SQUARE/ CERMET/ SEALED

DIMENSIONS: mm



Features:

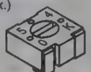
- Surface Mount 3mm Square Single-Turn Cermet / Sealed
- Compatible with surface mount manufacturing processes
- Rotor stop for "in-circuit" adjustment
- 100 cycle rotational and seal life
- Patent #5043695 assembly for seal integrity
- Plastic housing for RF applications

RoHS Compliant

Value (Ω)	3313J	3313S
	MOUSER STOCK NO.	
100	652-3313J-1-101E	652-3313S-1-101E
200	652-3313J-1-201E	652-3313S-1-201E
500	652-3313J-1-501E	652-3313S-1-501E
1K	652-3313J-1-102E	652-3313S-1-102E
2K	652-3313J-1-202E	652-3313S-1-202E
5K	652-3313J-1-502E	652-3313S-1-502E
10K	652-3313J-1-103E	652-3313S-1-103E
20K	652-3313J-1-203E	652-3313S-1-203E
50K	652-3313J-1-503E	652-3313S-1-503E
100K	652-3313J-1-104E	652-3313S-1-104E

Specifications:

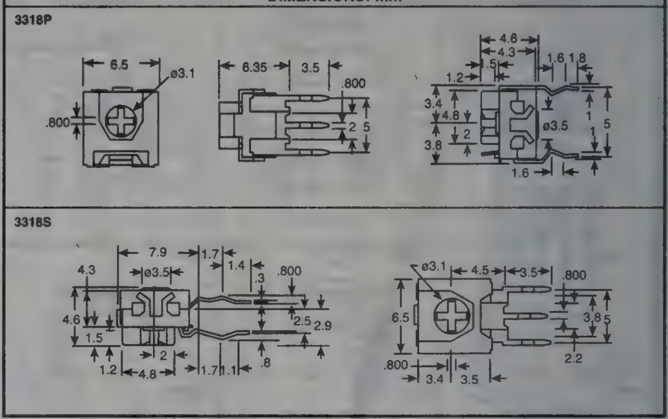
- Resistance tolerance: ±20% standard
- Power rating: (200 volts max.)
  70°C @ 0.125 watt
  125°C @ 0 watts
- Temperature Coefficient:
  ≤100 Ω ±150 ppm/°C
  ≥100 Ω ± 100 ppm/°C
- Rotational life: 100 cycles TRS ± 3%
- Operating temp. range: -55°C to +125°C



Series No.	Reel Qty.	Price Each					
		1	100	500	1000	2000	+5000
3313J	1000	1.50	1.20	1.08	.90	.85	Call
3313S	1000	1.50	1.20	1.08	.90	.85	

BOURNS 3318 SERIES 6MM TRIMMER CARBON POTENTIOMETERS

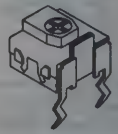
DIMENSIONS: mm



Features:

- Single-turn/carbon/commercial open frame
- Cross slot rotor design suitable for automatic adjustment equipment
- Adjustable front / back, top/bottom
- Board retention features
- PC board stand-offs
- Enclosed cover

RoHS Compliant



Specifications:

- Resistance tolerance: ±20%
- Contact resistance variation: 10% max.
- Resolution: infinite
- Adjustment angle: 210° ± 15°
- Power rating: 0.1 watt
- Temperature range: -10°C to 70°C
- Temperature coefficient: ±1,000 PPM/°C
- Load life: 240 hours @ 50°C (+20/-5 %ΔTR)
- Torque (operating): 20~250 gf-cm
- Stop Strength:
  Knob side: 800 gf-cm
  Reverse side: 350 gf-cm
- Terminals: Solderable pins
- Marking: Resistance code
- Standard packaging: 500 pcs. per bag

Value (Ω)	3318P	3318S
	MOUSER STOCK NO.	
100	652-3318P-1-101	652-3318S-1-101
200	652-3318P-1-201	652-3318S-1-201
500	652-3318P-1-501	652-3318S-1-501
1K	652-3318P-1-102	652-3318S-1-102
2K	652-3318P-1-202	652-3318S-1-202
5K	652-3318P-1-502	652-3318S-1-502
10K	652-3318P-1-103	652-3318S-1-103
20K	652-3318P-1-203	652-3318S-1-203
50K	652-3318P-1-503	652-3318S-1-503

Series No.	Price Each						
	1	10	50	100	500	1000	+2000
3318P	.26	.20	.16	.13	.12	.11	Call
3318S	.26	.20	.16	.13	.12	.11	

BOURNS 3314 SERIES 4MM SQUARE/ SMD/ CERMET/ SEALED

Features:

- Surface mount / single turn / industrial / sealed
- Compatible with surface mount manufacturing processes.
- Compatible with popular vacuum pick-and-place equipment.

Specifications:

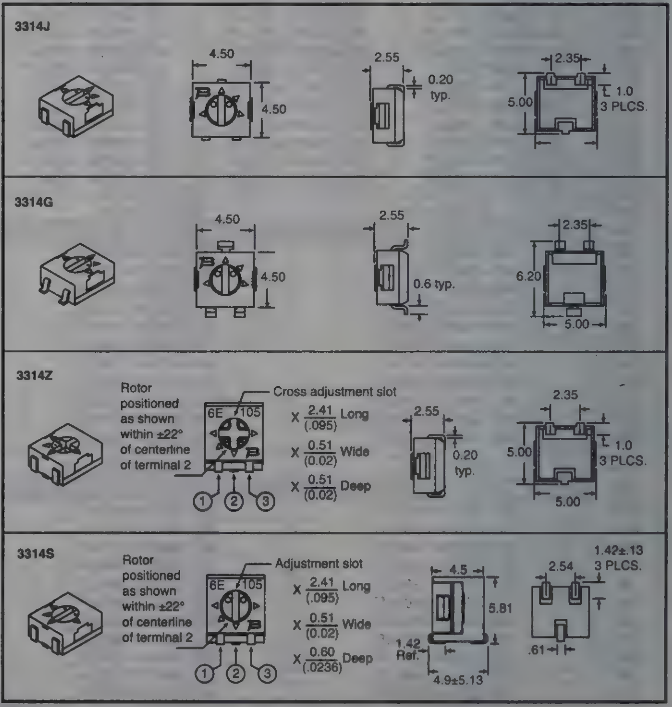
- Resistance tolerance: ±20% standard
- Temperature range: -55°C to +125°C
- Temp. coefficient: ±100ppm/°C
- Mechanical angle: 240° nominal
- Torque: 180g-cm typical
- Stop strength: 300g-cm typical
- Marking: manufacturer's code, resistance code, and date code
- Wiper: positioned at 50% nominal

RoHS Compliant

Value (Ω)	3314J Series	3314G Series	3314Z Series	3314S Series
	MOUSER STOCK NO.			
100	652-3314J-1-101E	652-3314G-1-101E	652-3314Z-1-101E	652-3314S-1-101E
200	652-3314J-1-201E	652-3314G-1-201E	652-3314Z-1-201E	652-3314S-1-201E
500	652-3314J-1-501E	652-3314G-1-501E	652-3314Z-1-501E	652-3314S-1-501E
1K	652-3314J-1-102E	652-3314G-1-102E	652-3314Z-1-102E	652-3314S-1-102E
2K	652-3314J-1-202E	652-3314G-1-202E	652-3314Z-1-202E	652-3314S-1-202E
5K	652-3314J-1-502E	652-3314G-1-502E	652-3314Z-1-502E	652-3314S-1-502E
10K	652-3314J-1-103E	652-3314G-1-103E	652-3314Z-1-103E	652-3314S-1-103E
20K	652-3314J-1-203E	652-3314G-1-203E	652-3314Z-1-203E	652-3314S-1-203E
50K	652-3314J-1-503E	652-3314G-1-503E	652-3314Z-1-503E	652-3314S-1-503E
100K	652-3314J-1-104E	652-3314G-1-104E	652-3314Z-1-104E	652-3314S-1-104E

Series No.	Reel Qty.	Price Each						
		1	100	200	500	1000	2000	+5000
3314J	500	1.80	1.56	1.32	.98	.95	.90	Call for Quote
3314G	500	1.80	1.56	1.32	.98	.95	.90	
3314Z	200	1.98	1.72	1.40	1.19	1.06	.99	
3314S	200	1.98	1.72	1.40	1.19	1.06	.99	

DIMENSIONS: mm



MURATA Trimmer Potentiometers

RoHS Compliant This page of product is compliant.

2MM SMD OPEN TYPE TRIMMER POTENTIOMETERS

Features:
- Ultra-small and thin external dimensions.
- Au plated termination achieves a high density PCB mounting.
- Cross-shaped driver slot allows for in-process automatic adjustment and it provides superior adjustability.
- Two-piece parts construction achieves low cost and excellent quality.
- Lead Free

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (Ω)	Power Rating (W)	Soldering Method	TCR (ppm / °C)	Price Each			
							1	10	100	500
81-PVA2A101A01R00	PVA2A101A01R00	A	100	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A151A01R00	PVA2A151A01R00	A	150	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A221A01R00	PVA2A221A01R00	A	220	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A331A01R00	PVA2A331A01R00	A	330	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A471A01R00	PVA2A471A01R00	A	470	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A681A01R00	PVA2A681A01R00	A	680	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A102A01R00	PVA2A102A01R00	A	1K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A152A01R00	PVA2A152A01R00	A	1.5K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A222A01R00	PVA2A222A01R00	A	2.2K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A332A01R00	PVA2A332A01R00	A	3.3K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A472A01R00	PVA2A472A01R00	A	4.7K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A682A01R00	PVA2A682A01R00	A	6.8K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A103A01R00	PVA2A103A01R00	A	10K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A153A01R00	PVA2A153A01R00	A	15K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A223A01R00	PVA2A223A01R00	A	22K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A333A01R00	PVA2A333A01R00	A	33K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A473A01R00	PVA2A473A01R00	A	47K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A683A01R00	PVA2A683A01R00	A	68K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A104A01R00	PVA2A104A01R00	A	100K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A154A01R00	PVA2A154A01R00	A	150K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A224A01R00	PVA2A224A01R00	A	220K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A334A01R00	PVA2A334A01R00	A	330K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A474A01R00	PVA2A474A01R00	A	470K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A684A01R00	PVA2A684A01R00	A	680K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A105A01R00	PVA2A105A01R00	A	1000K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A155A01R00	PVA2A155A01R00	A	1500K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVA2A225A01R00	PVA2A225A01R00	A	2200K	0.1	Reflow / Soldering Iron	±250	.20	.16	.14	.12
81-PVZ2A471C04R00	PVZ2A471C04R00	B	470	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A681C04R00	PVZ2A681C04R00	B	680	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A102C04R00	PVZ2A102C04R00	B	1K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A152C04R00	PVZ2A152C04R00	B	1.5K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A222C04R00	PVZ2A222C04R00	B	2.2K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A332C04R00	PVZ2A332C04R00	B	3.3K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A472C04R00	PVZ2A472C04R00	B	4.7K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A682C04R00	PVZ2A682C04R00	B	6.8K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A103C04R00	PVZ2A103C04R00	B	10K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A153C04R00	PVZ2A153C04R00	B	15K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A223C04R00	PVZ2A223C04R00	B	22K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A333C04R00	PVZ2A333C04R00	B	33K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A473C04R00	PVZ2A473C04R00	B	47K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A683C04R00	PVZ2A683C04R00	B	68K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A104C04R00	PVZ2A104C04R00	B	100K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A154C04R00	PVZ2A154C04R00	B	150K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A224C04R00	PVZ2A224C04R00	B	220K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A334C04R00	PVZ2A334C04R00	B	330K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A474C04R00	PVZ2A474C04R00	B	470K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A684C04R00	PVZ2A684C04R00	B	680K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A105C04R00	PVZ2A105C04R00	B	1000K	0.1	Reflow	±500	.15	.12	.11	.10
81-PVZ2A155C04R00	PVZ2A155C04R00	B	1500K	0.1	Reflow	±500	.15	.12	.11	.10

3MM SMD SEALED TRIMMER POTENTIOMETERS

Features:
- Excellent solderability characteristics are achieved via special plating techniques on each termination.
- Specially designed substrate prevents wicking of flux onto the top of the part body.
- Funnel shaped adjustment slot allows for in-process automatic adjustment.
- Enlarged bottom termination enhance soldering strength while reducing the necessary land area required promoting high-density PCB mounting.
- Lead Free

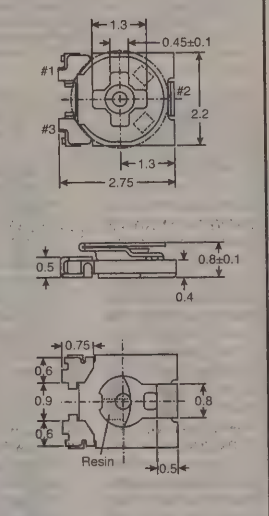
RoHS Compliant

For quantities of 1000 and up, call for quote.

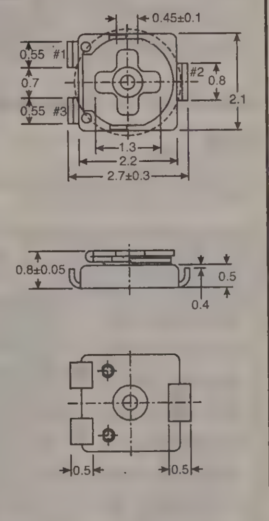
MOUSER STOCK NO.	Murata Part No.	Fig.	Value (Ω)	Power Rating (W)	Soldering Method	TCR (ppm / °C)	Price Each			
							1	10	100	500
81-PVG3A100C01R00	PVG3A100C01R00	C	10	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A200C01R00	PVG3A200C01R00	C	20	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A500C01R00	PVG3A500C01R00	C	50	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A101C01R00	PVG3A101C01R00	C	100	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A201C01R00	PVG3A201C01R00	C	200	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A501C01R00	PVG3A501C01R00	C	500	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A102C01R00	PVG3A102C01R00	C	1K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A202C01R00	PVG3A202C01R00	C	2K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A502C01R00	PVG3A502C01R00	C	5K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A103C01R00	PVG3A103C01R00	C	10K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A203C01R00	PVG3A203C01R00	C	20K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A503C01R00	PVG3A503C01R00	C	50K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A104C01R00	PVG3A104C01R00	C	100K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A204C01R00	PVG3A204C01R00	C	200K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A504C01B00	PVG3A504C01B00	C	500K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A105C01R00	PVG3A105C01R00	C	1000K	0.25	Reflow	±150	.80	.67	.58	.51
81-PVG3A205C01R00	PVG3A205C01R00	C	2000K	0.25	Reflow	±150	.80	.67	.58	.51

DIMENSIONS: mm

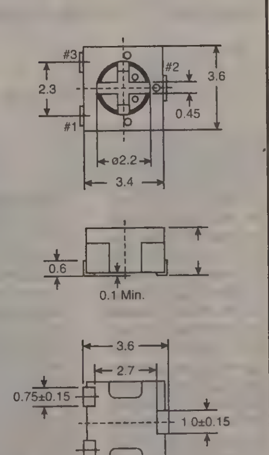
A



B



C



MURATA Trimmer Potentiometers

RoHS Compliant This page of product is compliant.

3MM SMD OPEN TRIMMER POTENTIOMETERS

Features:
- Excellent solderability characteristics are achieved via special plating techniques on each termination.
- Specially designed substrate prevents wicking of flux onto the top of the part body.
- Funnel shaped adjustment slot allows for in-process automatic adjustment.
- Enlarged bottom termination enhance soldering strength while reducing the necessary land area required promoting high-density PCB mounting.
- Lead Free

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (Ω)	Power Rating (W)	Soldering Method	TCR (ppm / °C)	Price Each			
							1	10	100	500
81-PVZ3A221C01R00	PVZ3A221C01R00	A	220	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A331C01R00	PVZ3A331C01R00	A	330	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A471C01R00	PVZ3A471C01R00	A	470	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A681C01R00	PVZ3A681C01R00	A	680	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A102C01R00	PVZ3A102C01R00	A	1K	0.1	Reflow	±500	.65	.59	.54	.49
81-PVZ3A152C01R00	PVZ3A152C01R00	A	1.5K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A222C01R00	PVZ3A222C01R00	A	2.2K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A332C01R00	PVZ3A332C01R00	A	3.3K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A472C01R00	PVZ3A472C01R00	A	4.7K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A682C01R00	PVZ3A682C01R00	A	6.8K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A103C01R00	PVZ3A103C01R00	A	10K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A153C01R00	PVZ3A153C01R00	A	15K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A223C01R00	PVZ3A223C01R00	A	22K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A333C01R00	PVZ3A333C01R00	A	33K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A473C01R00	PVZ3A473C01R00	A	47K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A683C01R00	PVZ3A683C01R00	A	68K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A104C01R00	PVZ3A104C01R00	A	100K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A154C01R00	PVZ3A154C01R00	A	150K	0.1	Reflow	±500	.12	.11	.10	.09
81-PVZ3A224C01R00	PVZ3A224C01R00	A	220K	0.1	Reflow	±500	.11	.09	.08	.07
81-PVZ3A334C01R00	PVZ3A334C01R00	A	330K	0.1	Reflow	±500	.11	.09	.08	.07
81-PVZ3A474C01R00	PVZ3A474C01R00	A	470K	0.1	Reflow	±500	.11	.09	.08	.07
81-PVZ3A684C01R00	PVZ3A684C01R00	A	680K	0.1	Reflow	±500	.11	.09	.08	.07
81-PVZ3A105C01R00	PVZ3A105C01R00	A	1000K	0.1	Reflow	±500	.11	.09	.08	.07
81-PVZ3A155C01R00	PVZ3A155C01R00	A	1500K	0.1	Reflow	±500	.11	.09	.08	.07
81-PVZ3A225C01R00	PVZ3A225C01R00	A	2200K	0.1	Reflow	±500	.11	.09	.08	.07

SMD SEALED TRIMMER POTENTIOMETERS, 11 TURNS

Features:
- 11 Turn High Resolution
- Compatible with Ultrasonic Cleaning
- Clutch Mechanism to prevent excessive wiper rotation
- Usable with VPS Reflow Solder Method

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (Ω)	Power Rating (W)	Soldering Method	TCR (ppm / °C)	Price Each			
							1	10	100	500
81-PVG5A100C01R00	PVG5A100C01R00	B	10	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A200C01R00	PVG5A200C01R00	B	20	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A500C01R00	PVG5A500C01R00	B	50	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A101C01R00	PVG5A101C01R00	B	100	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A201C01R00	PVG5A201C01R00	B	200	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A501C01R00	PVG5A501C01R00	B	500	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A202C01R00	PVG5A202C01R00	B	2K	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A502C01R00	PVG5A502C01R00	B	5K	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A103C01R00	PVG5A103C01R00	B	10K	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A203C01R00	PVG5A203C01R00	B	20K	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A503C01R00	PVG5A503C01R00	B	50K	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A104C01R00	PVG5A104C01R00	B	100K	0.25	Reflow	±150	2.42	2.07	1.79	1.24
81-PVG5A204C01R00	PVG5A204C01R00	B	200K	0.25	Reflow	±150	2.42	2.07	1.79	1.24

SMD MULTI-TURN TRIMMER POTENTIOMETERS, 12 TURNS CERMET

Features:
- 12 Turn High Resolution Cermet
- Compatible with Ultrasonic Cleaning
- Clutch Mechanism to prevent excessive wiper rotation

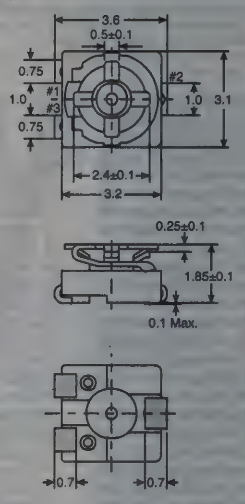
RoHS Compliant

For quantities of 1000 and up, call for quote.

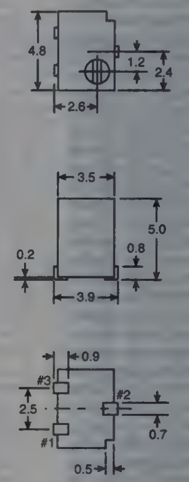
MOUSER STOCK NO.	Murata Part No.	Fig.	Value (Ω)	Power Rating (W)	Soldering Method	TCR (ppm / °C)	Price Each			
							1	10	100	500
81-PV37P200C01B00	PV37P200C01B00	C	20	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P500C01B00	PV37P500C01B00	C	50	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P101C01B00	PV37P101C01B00	C	100	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P201C01B00	PV37P201C01B00	C	200	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P501C01B00	PV37P501C01B00	C	500	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P102C01B00	PV37P102C01B00	C	1K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P202C01B00	PV37P202C01B00	C	2K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P502C01B00	PV37P502C01B00	C	5K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P103C01B00	PV37P103C01B00	C	10K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P203C01B00	PV37P203C01B00	C	20K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P253C01B00	PV37P253C01B00	C	25K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P503C01B00	PV37P503C01B00	C	50K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P104C01B00	PV37P104C01B00	C	100K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P204C01B00	PV37P204C01B00	C	200K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P254C01B00	PV37P254C01B00	C	250K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P504C01B00	PV37P504C01B00	C	500K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P105C01B00	PV37P105C01B00	C	1000K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37P205C01B00	PV37P205C01B00	C	2000K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87

DIMENSIONS: mm

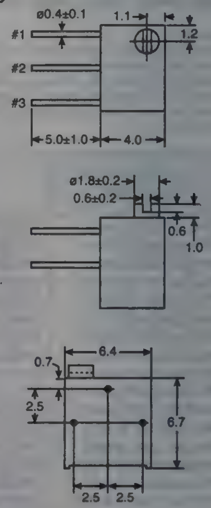
A



B



C



SMD MULTI-TURN TRIMMER POTENTIOMETERS, 12 TURNS CERMET (CONT.)

Features:
- 12 Turn High Resolution Cermet
- Compatible with Ultrasonic Cleaning
- Clutch Mechanism to prevent excessive wiper rotation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (Ω)	Power Rating (W)	Soldering Method	TCR (ppm / °C)	Price Each			
							1	10	100	500
81-PV37W200C01B00	PV37W200C01B00	A	20	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W500C01B00	PV37W500C01B00	A	50	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W101C01B00	PV37W101C01B00	A	100	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W201C01B00	PV37W201C01B00	A	200	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W501C01B00	PV37W501C01B00	A	500	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W102C01B00	PV37W102C01B00	A	1K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W202C01B00	PV37W202C01B00	A	2K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W502C01B00	PV37W502C01B00	A	5K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W103C01B00	PV37W103C01B00	A	10K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W203C01B00	PV37W203C01B00	A	20K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W253C01B00	PV37W253C01B00	A	25K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W503C01B00	PV37W503C01B00	A	50K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W104C01B00	PV37W104C01B00	A	100K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W204C01B00	PV37W204C01B00	A	200K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W254C01B00	PV37W254C01B00	A	250K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W504C01B00	PV37W504C01B00	A	500K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W105C01B00	PV37W105C01B00	A	1000K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37W205C01B00	PV37W205C01B00	A	2000K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X200C01B00	PV37X200C01B00	B	20	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X500C01B00	PV37X500C01B00	B	50	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X101C01B00	PV37X101C01B00	B	100	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X201C01B00	PV37X201C01B00	B	200	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X501C01B00	PV37X501C01B00	B	500	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X102C01B00	PV37X102C01B00	B	1K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X202C01B00	PV37X202C01B00	B	2K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X502C01B00	PV37X502C01B00	B	5K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X103C01B00	PV37X103C01B00	B	10K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X203C01B00	PV37X203C01B00	B	20K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X253C01B00	PV37X253C01B00	B	25K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X503C01B00	PV37X503C01B00	B	50K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X104C01B00	PV37X104C01B00	B	100K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X204C01B00	PV37X204C01B00	B	200K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X254C01B00	PV37X254C01B00	B	250K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X504C01B00	PV37X504C01B00	B	500K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X105C01B00	PV37X105C01B00	B	1000K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37X205C01B00	PV37X205C01B00	B	2000K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y200C01B00	PV37Y200C01B00	C	20	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y500C01B00	PV37Y500C01B00	C	50	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y101C01B00	PV37Y101C01B00	C	100	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y201C01B00	PV37Y201C01B00	C	200	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y501C01B00	PV37Y501C01B00	C	500	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y102C01B00	PV37Y102C01B00	C	1K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y202C01B00	PV37Y202C01B00	C	2K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y502C01B00	PV37Y502C01B00	C	5K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y103C01B00	PV37Y103C01B00	C	10K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y203C01B00	PV37Y203C01B00	C	20K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y253C01B00	PV37Y253C01B00	C	25K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y503C01B00	PV37Y503C01B00	C	50K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y104C01B00	PV37Y104C01B00	C	100K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y204C01B00	PV37Y204C01B00	C	200K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y254C01B00	PV37Y254C01B00	C	250K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y504C01B00	PV37Y504C01B00	C	500K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y105C01B00	PV37Y105C01B00	C	1000K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87
81-PV37Y205C01B00	PV37Y205C01B00	C	2000K	0.25	Flow / Soldering Iron	±150	1.61	1.46	1.02	.87

12MM ANGLE SENSOR DUST PROOF POTENTIOMETER

Features:
- Dust-proof construction protects the interior from dust, which maintains stable characteristics.
- Compliant to high peak temperature lead free soldering.
- Excellent resistance materials and high reliability wiper achieves 1M cycles.
- "D" formation thru-hole rotor enables selection of any kind of gear shape.
- Ultra-thin size (2.1mm height)
- Au plated terminals without Lead.

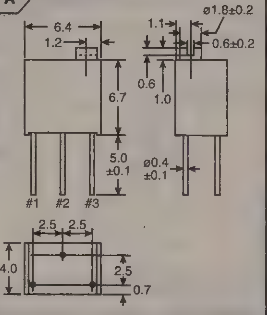
RoHS Compliant

For quantities of 1000 and up, call for quote.

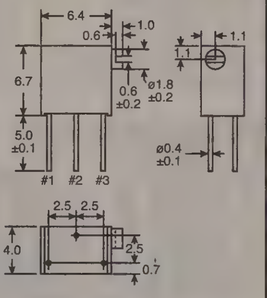
MOUSER STOCK NO.	Murata Part No.	Fig.	Value (Ω)	Linearity (%)	Angle of Rotation	Mount	TCR (ppm / °C)	Price Each			
								1	10	100	500
81-SV01A103AEA01B00	SV01A103AEA01B00	D	10K	±2	333 1/3°	SMD	±500	1.18	1.07	1.02	1.00
81-SV01L103AEA11T00	SV01L103AEA11T00	E	10K	±2	333 1/3°	Through - Hole	±500	1.26	1.14	1.09	1.06

DIMENSIONS: mm

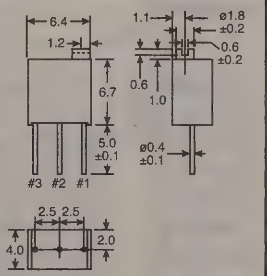
A



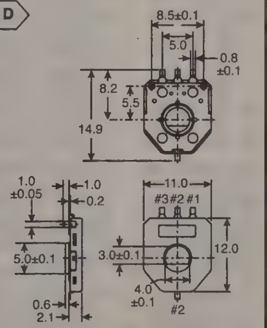
B



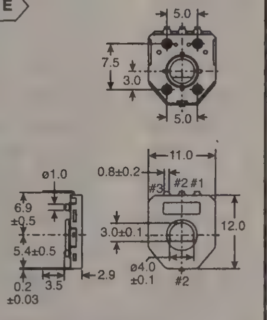
C



D



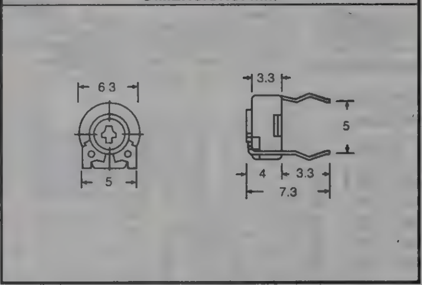
E



PIHER Trimmer Potentiometers

6MM CARBON TRIMMER

DIMENSIONS: mm



Features:
- Carbon resistive element
- Dust proof enclosure
- Polyester substrate

Features upon request:
- Wiper positioned at 50% or fully clockwise
- Supplied in magazines for automatic insertion
- Long life model PT-6...E (10,000 cycles)
- Without crimping model. PT-6...SC
- Housing available in self extinguishable plastic (VL94V0)

Specifications:
- Power rating: 0.1W
- Linear taper
- Temperature range: -25°C to +70°C
- Mechanical rotation: 235°±10°
- Electrical rotation: 200°±20°
- Tolerance: ±20%

RoHS Compliant

For quantities of 5,000 and up, call for quote.

Price Each			
1	100	500	1000
.28	.23	.22	.21

Also available in vertical mount, horizontal adjust.

MOUSER STOCK NO.	Piher Part No.
Horizontal Mount/Vertical Adjust	
531-PT6KV-500	PT6KV-501A2020
531-PT6KV-1K	PT6KV-102A2020
531-PT6KV-2K	PT6KV-202A2020
531-PT6KV-2.5K	PT6KV-252A2020
531-PT6KV-5K	PT6KV-502A2020
531-PT6KV-10K	PT6KV-103A2020
531-PT6KV-20K	PT6KV-203A2020
531-PT6KV-25K	PT6KV-253A2020
531-PT6KV-47K	PT6KV-473A2020
531-PT6KV-50K	PT6KV-503A2020
531-PT6KV-100K	PT6KV-104A2020
531-PT6KV-500K	PT6KV-504A2020
531-PT6KV-1M	PT6KV-105A2020

6MM CARBON POTENTIOMETER

Specifications:
- Mechanical Rotation Angle: 280° ± 10°
- Torque: 0.2 to 3 Ncm. (0.28 to 4.2 in-oz)
- Tolerance: 100Ω ≤ Rn ≤ 1MΩ ±30
- Nominal Power: 50°C (122°F): 0.1W
- Operating Temperature: -25°C +70°C (-13°F +158°F)
- Electrical Rotation Angle: 245° ± 25°
- Stop Torque: >7.5 Ncm. (10.5 in-oz)
- Max. Voltage: 100 VDC
- Taper: linear
- Equivalent noise resistance: ≤ 5%
- End Resistance: ≤ 2% Rn (10Ω min.)

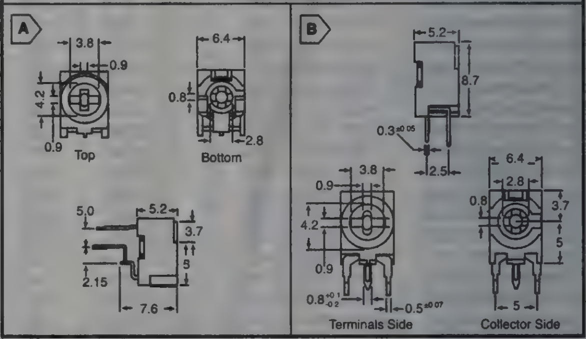
MOUSER STOCK NO.	Piher Part No.	Mounting Method	Terminal Style	Fig.
531-N6-L50T0C-1K	N6-L50T0C-102	laydown	5.0mm	A
531-N6-L50T0C-10K	N6-L50T0C-103	laydown	5.0mm	A
531-N6-L50T0C-100K	N6-L50T0C-104	laydown	5.0mm	A
531-N6-L50T0C-1M	N6-L50T0C-105	laydown	5.0mm	A
531-N6-S25T0C-1K	N6-S25T0C-102	standup	2.5mm	B
531-N6-S25T0C-10K	N6-S25T0C-103	standup	2.5mm	B
531-N6-S25T0C-100K	N6-S25T0C-104	standup	2.5mm	B
531-N6-S25T0C-1M	N6-S25T0C-105	standup	2.5mm	B

Features:
- Carbon resistive element
- Polyester substrate
- Over-moulding manufacturing technique
- Available as SMD
- Embossed tape (for SMD), Tape on reel, Ammopack and Magazine packaging for automatic insertion and bulk for manual assembly
- Wiper positioned at 50%
- Both sides cross slot easy adjustment
- Accidental rotor movement protected
- Traceability insured through date code marking
- Assembly method: Stand up, Lay down

For quantities of 5,000 and up, call for quote.

Price Each			
1	100	500	1000
.25	.21	.19	.17

DIMENSIONS: mm



10MM CARBON TRIMMERS

Specifications:
- Power rating: 0.15W
- Temperature range: -25°C to +70°C
- Linear taper
- Mechanical rotation: 235°±10°
- Electrical rotation: 220°±20°
- Tolerance: 100Ω~1mΩ ±20%; 2mΩ~5mΩ ±30%

RoHS Compliant

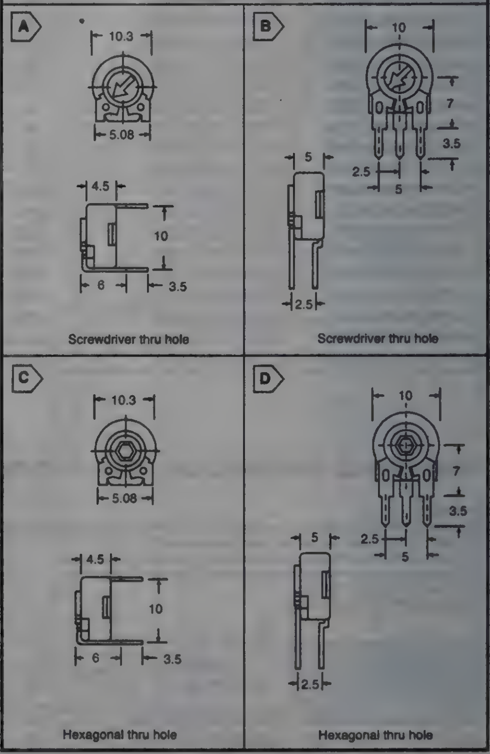
Features:
- Carbon resistive element
- Dust proof enclosure
- Polyester substrate

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531-PT10V-100	PT10LV10-101A2020	A
531-PT10V-200	PT10LV10-201A2020	A
531-PT10V-250	PT10LV10-251A2020	A
531-PT10V-500	PT10LV10-501A2020	A
531-PT10V-1K	PT10LV10-102A2020	A
531-PT10V-2K	PT10LV10-202A2020	A
531-PT10V-2.5K	PT10LV10-252A2020	A
531-PT10V-5K	PT10LV10-502A2020	A
531-PT10V-10K	PT10LV10-103A2020	A
531-PT10V-20K	PT10LV10-203A2020	A
531-PT10V-22K	PT10V10-223A2020	A
531-PT10V-25K	PT10LV10-253A2020	A
531-PT10V-50K	PT10LV10-503A2020	A
531-PT10V-100K	PT10LV10-104A2020	A
531-PT10V-200K	PT10LV10-204A2020	A
531-PT10V-220K	PT10LV10-224A2020	A
531-PT10V-250K	PT10LV10-254A2020	A
531-PT10V-500K	PT10LV10-504A2020	A
531-PT10V-1M	PT10LV10-105A2020	A
531-PT10V-2M	PT10LV10-205A3030	A
531-PT10V-2.5M	PT10LV10-252A3030	A
531-PT10V-5M	PT10LV10-505A3030	A
Vertical Mount/Horizontal Adjust		
531-PT10H-100	PT10LH01-101A2020	B
531-PT10H-200	PT10LH01-201A2020	B
531-PT10H-250	PT10LH01-251A2020	B
531-PT10H-500	PT10LH01-501A2020	B
531-PT10H-1K	PT10LH01-102A2020	B
531-PT10H-2K	PT10LH01-202A2020	B
531-PT10H-2.5K	PT10LH01-252A2020	B
531-PT10H-5K	PT10LH01-502A2020	B
531-PT10H-10K	PT10LH01-103A2020	B
531-PT10H-20K	PT10LH01-203A2020	B
531-PT10H-22K	PT10LH01-223A2020	B
531-PT10H-25K	PT10LH01-253A2020	B
531-PT10H-50K	PT10LH01-503A2020	B
531-PT10H-100K	PT10LH01-104A2020	B
531-PT10H-200K	PT10LH01-204A2020	B
531-PT10H-220K	PT10LH01-224A2020	B
531-PT10H-250K	PT10LH01-254A2020	B
531-PT10H-500K	PT10LH01-504A2020	B
531-PT10H-1M	PT10LH01-105A2020	B
531-PT10H-2M	PT10LH01-205A3030	B
531-PT10H-2.5M	PT10LH01-255A3030	B
531-PT10H-5M	PT10LH01-505A3030	B

MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/ Vertical Adjust		
531-PT10MV-100	PT10MV10-101A2020	C
531-PT10MV-200	PT10MV10-201A2020	C
531-PT10MV-250	PT10MV10-251A2020	C
531-PT10MV-500	PT10MV10-501A2020	C
531-PT10MV-1K	PT10MV10-102A2020	C
531-PT10MV-2K	PT10MV10-202A2020	C
531-PT10MV-2.5K	PT10MV10-252A2020	C
531-PT10MV-5K	PT10MV10-502A2020	C
531-PT10MV-10K	PT10MV10-103A2020	C
531-PT10MV-20K	PT10MV10-203A2020	C
531-PT10MV-22K	PT10MV10-223A2020	C
531-PT10MV-25K	PT10MV10-253A2020	C
531-PT10MV-50K	PT10MV10-503A2020	C
531-PT10MV-100K	PT10MV10-104A2020	C
531-PT10MV-200K	PT10MV10-204A2020	C
531-PT10MV-220K	PT10MV10-224A2020	C
531-PT10MV-250K	PT10MV10-254A2020	C
531-PT10MV-500K	PT10MV10-504A2020	C
531-PT10MV-1M	PT10MV10-105A2020	C
531-PT10MV-2M	PT10MV10-205A3030	C
531-PT10MV-2.5M	PT10MV10-255A3030	C
531-PT10MV-5M	PT10MV10-505A3030	C
Vertical Mount/Horizontal Adjust		
531-PT10MH-100	PT10MH01-101A2020	D
531-PT10MH-200	PT10MH01-201A2020	D
531-PT10MH-250	PT10MH01-251A2020	D
531-PT10MH-500	PT10MH01-501A2020	D
531-PT10MH-1K	PT10MH01-102A2020	D
531-PT10MH-2K	PT10MH01-202A2020	D
531-PT10MH-2.5K	PT10MH01-252A2020	D
531-PT10MH-5K	PT10MH01-502A2020	D
531-PT10MH-10K	PT10MH01-103A2020	D
531-PT10MH-20K	PT10MH01-203A2020	D
531-PT10MH-22K	PT10MH01-223A2020	D
531-PT10MH-25K	PT10MH01-253A2020	D
531-PT10MH-50K	PT10MH01-503A2020	D
531-PT10MH-100K	PT10MH01-104A2020	D
531-PT10MH-200K	PT10MH01-204A2020	D
531-PT10MH-220K	PT10MH01-224A2020	D
531-PT10MH-250K	PT10MH01-254A2020	D
531-PT10MH-500K	PT10MH01-504A2020	D
531-PT10MH-1M	PT10MH01-105A2020	D
531-PT10MH-2M	PT10MH01-205A3030	D
531-PT10MH-2.5M	PT10MH01-255A3030	D
531-PT10MH-5M	PT10MH01-505A3030	D

Price Each					
1	100	500	1000	2000	4000
.46	.43	.36	.34	.32	Call for Quote

DIMENSIONS: mm



PIHER Trimmer Potentiometers

PIHER 10MM CERMET TRIMMERS

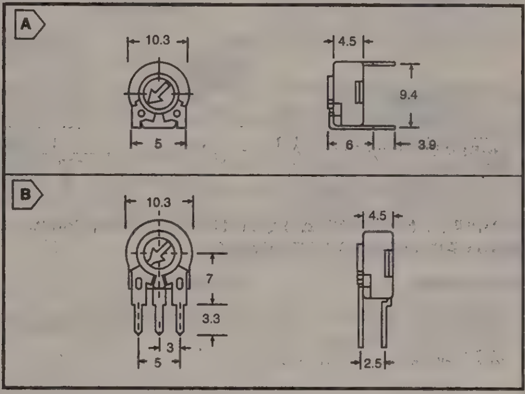
Specifications:
- Power rating: 0.33W
- Temperature range: -40°C to +90°C
- Mechanical rotation: 235°±5°
- Electrical rotation: 220°±20°
- Linear taper
- Tolerance: ±20%

Features:
- Cermet resistive element
- Dust proof enclosure
- Plastic material according to UL94V-0
- Alumina substrate

Available upon Request:
- Wiper positioned at 50% or fully clockwise
- Supplied in magazines for automatic insertion
- Long life model for low cost control potentiometers applications
- Self extinguishable plastic UL 94V-0
- Cut track option
- Special Tapers
- Mechanical detents
- Low and extra low torque versions
- Special switch option

Price Each					
1	100	500	1000	2000	4000
.52	.49	.47	.44	.43	Call

DIMENSIONS: mm



MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/Vertical Adjust		
531-PTC10V-100	PTC10LV10-101A2020	A
531-PTC10V-200	PTC10LV10-201A2020	A
531-PTC10V-500	PTC10LV10-501A2020	A
531-PTC10V-1K	PTC10LV10-102A202	A
531-PTC10V-2K	PTC10LV10-202A2020	A
531-PTC10V-2.5K	PTC10LV10-252A2020	A
531-PTC10V-5K	PTC10LV10-502A2020	A
531-PTC10V-10K	PTC10LV10-103A2020	A
531-PTC10V-20K	PTC10LV10-203A2020	A
531-PTC10V-25K	PTC10LV10-253A2020	A
531-PTC10V-50K	PTC10LV10-503A2020	A
531-PTC10V-100K	PTC10LV10-104A2020	A
531-PTC10V-200K	PTC10LV10-204A2020	A
531-PTC10V-250K	PTC10LV10-254A2020	A
531-PTC10V-500K	PTC10LV10-504A2020	A

MOUSER STOCK NO.	Piher Part No.	Fig.
Vertical Mount/Horizontal Adjust		
531-PTC10H-100	PTC10LH01-101A2020	B
531-PTC10H-200	PTC10LH01-201A2020	B
531-PTC10H-500	PTC10LH01-501A2020	B
531-PTC10H-1K	PTC10LH01-102A2020	B
531-PTC10H-2K	PTC10LH01-202A2020	B
531-PTC10H-2.5K	PTC10LH01-252A2020	B
531-PTC10H-5K	PTC10LH01-502A2020	B
531-PTC10H-10K	PTC10LH01-103A2020	B
531-PTC10H-20K	PTC10LH01-203A2020	B
531-PTC10H-25K	PTC10LH01-253A2020	B
531-PTC10H-50K	PTC10LH01-503A2020	B
531-PTC10H-100K	PTC10LH01-104A2020	B
531-PTC10H-200K	PTC10LH01-204A202	B
531-PTC10H-250K	PTC10LH01-254A2020	B
531-PTC10H-500K	PTC10LH01-504A2020	B

PIHER 15MM CARBON TRIMMERS

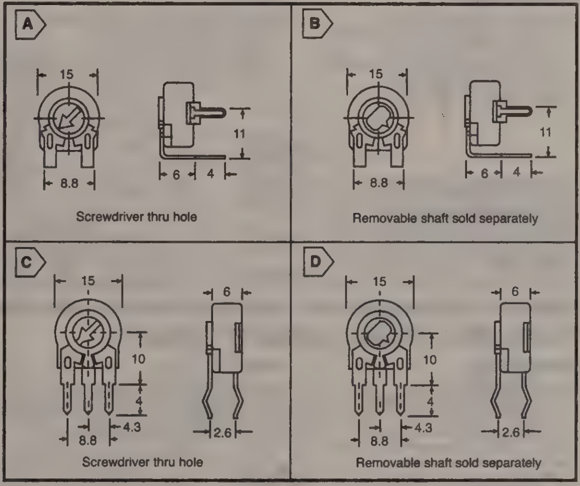
Specifications:
- Temperature Range: -25°C to +70°C (-13°F + 158°F)
- Residual Resistance: ≤3% Rn (3Ω min.)
- Tolerance: 100Ω~1mΩ ±20%
  2mΩ~5mΩ ±30%
- Max. Voltage: 250 VDC (lin) 125 VDC (no lin)
- Nominal Power: 50°C (122°F), 0.25W (lin) 0.12W (no lin)
- Power Rating: 0.25W
- Taper: Linear
- Electrical Rotation: 250° ±20°
- Mechanical Rotation: 265° to ±5°

Available upon Request:
- Supplied in magazines for automatic insertion
- Wiper positioned at 50% or fully clockwise
- Long life model for low cost control potentiometers applications
- Self extinguishable plastic UL 94V-0
- Cut track option
- Special Tapers
- Mechanical detents

Features:
- Carbon Resistive element
- Dust proof enclosure
- Polyester substrate

Price Each					
1	100	500	1000	2000	4000
.45	.41	.36	.34	.32	Call

DIMENSIONS: mm

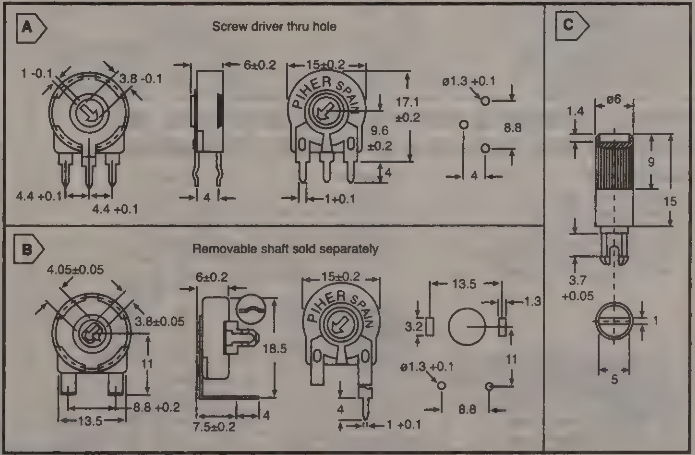


MOUSER STOCK NO.	Piher Part No.	Fig.
Horizontal Mount/ Vertical Adjust		
531-PT15D-100	PT15LV18-101A2020	A
531-PT15D-200	PT15LV18-201A2020	A
531-PT15D-250	PT15LV18-251A2020	A
531-PT15D-500	PT15LV18-501A2020	A
531-PT15D-1K	PT15LV18-102A2020	A
531-PT15D-2K	PT15LV18-202A2020	A
531-PT15D-2.5K	PT15LV18-252A2020	A
531-PT15D-5K	PT15LV18-502A2020	A
531-PT15D-10K	PT15LV18-103A2020	A
531-PT15D-20K	PT15LV18-203A2020	A
531-PT15D-25K	PT15LV18-253A2020	A
531-PT15D-50K	PT15LV18-503A2020	A
531-PT15D-100K	PT15LV18-104A2020	A
531-PT15D-200K	PT15LV18-204A2020	A
531-PT15D-250K	PT15LV18-254A2020	A
531-PT15D-500K	PT15LV18-504A2020	A
531-PT15D-1M	PT15LV18-105A2020	A
531-PT15D-2M	PT15LV18-205A3030	A
531-PT15D-2.5M	PT15LV18-255A3030	A
531-PT15D-5M	PT15LV18-505A3030	A
531-PT15NV-10K	PT15NV18-103A2020	B
531-PT15NV-25K	PT15NV18-253A2020	B
531-PT15NV-50K	PT15NV18-503A2020	B
531-PT15NV-100K	PT15NV18-104A2020	B

MOUSER STOCK NO.	Piher Part No.	Fig.
Vertical Mount/Horizontal Adjust		
531-PT15B-100	PT15LH06-101A2020	C
531-PT15B-200	PT15LH06-201A2020	C
531-PT15B-250	PT15LH06-251A2020	C
531-PT15B-500	PT15LH06-501A2020	C
531-PT15B-1K	PT15LH06-102A2020	C
531-PT15B-2K	PT15LH06-202A2020	C
531-PT15B-2.5K	PT15LH06-252A2020	C
531-PT15B-5K	PT15LH06-502A2020	C
531-PT15B-10K	PT15LH06-103A2020	C
531-PT15B-20K	PT15LH06-203A2020	C
531-PT15B-25K	PT15LH06-253A2020	C
531-PT15B-50K	PT15LH06-503A2020	C
531-PT15B-100K	PT15LH06-104A2020	C
531-PT15B-200K	PT15LH06-204A2020	C
531-PT15B-250K	PT15LH06-254A2020	C
531-PT15B-500K	PT15LH06-504A2020	C
531-PT15B-1M	PT15LH06-105A2020	C
531-PT15B-2M	PT15LH06-205A3030	C
531-PT15B-2.5M	PT15LH06-255A3030	C
531-PT15B-5M	PT15LH06-505A3030	C
531-PT15NH-10K	PT15NH06-103A2020	D
531-PT15NH-1K	PT15NH06-102A2020	D
531-PT15NH-2M	PT15NH06-205A3030	D
531-PT15NH-50K	PT15NH06-503A2020	D

PIHER 15MM CERMET TRIMMERS

DIMENSIONS: mm



Specifications:
- Mechanical Rotation Angle: 265° ± 5°
- Electrical Rotation Angle: 250° ± 20°
- Torque: 0.5 to 2.5 Ncm. (0.7 to 3.4 in-oz)
- Stop Torque: > 10 Ncm. (>14 in-oz)
- Tolerance: 100Ω < Rn < 1M Ω = ±20
- Max. Voltage:250 VDC (lin) 125 VDC (no lin)
- Nominal Power: 70°C (158°F)
  0.50W (lin) 0.25W (no lin)
- Taper: Linear
- Residual Resistance: ≤5.10 Rn (2Ω min.)
- Equivalent Noise Resistance: ≤ 3% Rn (3 Ω min.)
- Operating Temperature: -40°C + 90°C (-40°F + 194°F)

Features:
- Cermet Resistive Element
- Dust Proof Enclosure
- Plastic Material According to UL94V-0
- Alumina Substrate

Available upon Request:
- Wiper positioned at 50% or fully clockwise
- Long life model for low cost control pot. applications
- Supplied in magazines for automatic insertion
- Low Torque option
- Available as SPDT switch
- Special tapers
- Mechanical detents

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each				
			1	25	50	100	200
531-PTC15LH06-250	PTC15LH06-251A2020	A	.76	.69	.67	.61	.57
531-PTC15NV18-1K	PTC15NV18-102A2020	B	.76	.69	.67	.61	.57
Shaft							
531-5219CR	XEJPL5219CR	C	.43	.41	.37	.34	.32

VISHAY / SFERNICE Single-Turn, SMD, Cermet Trimmers

VISHAY

RoHS Compliant **This page of product is compliant.**

VISHAY / BC COMPONENT/COPAL ST-32 SERIES 3.2MM SINGLE TURN, SMD, SEALED CERMET TRIMMERS

Specifications:

- Mechanical Turn: 250˚ (1 turn)
- Rotational Life: 100 cycles
- Nominal Resistance Range: 10Ω - 1MΩ
- Resistance Tolerance: ±20%
- Power Ratings: 0.125 W (70˚C) 0 W (125˚C)
- Resistance Law: Linear Law (B)
- Operating Temp. Range: -55 ~ 125˚C
- Temp. Coefficient: 10Ω ~ 50Ω ± 250 10-6/˚C Max.

Features:

- Lead (Pb)-free soldering, Cadmium-free
- Rotor with a cross slot for ease of adjustment
- Leaded terminals provide strong as adhesive strength against P.C.B. bending
- J-hook, Gull wing and leaded terminal configurations
- Sealed/Washable

Table of Values (Ω)				
10	100	1K	10K	100K
20	200	2K	20K	200K
50	500	5K	50K	1M

MOUSER STOCK NO.	Fig.
594-ST32ETA(Value Code)	A
594-ST32ETB(Value Code)	B
594-ST32ETG(Value Code)	C

LEAD-FREE

RoHS Compliant

Price Each				
1	100	200	500	1000
1.18	.95	.93	.84	Call

VISHAY / SFERNICE TS3Y SERIES 3MM SINGLE TURN, SEALED CERMET TRIMMERS

Specifications:

- Electrical travel: 220˚
- Resistance Range: 20Ω to 2MΩ
- Tolerance Standard: ±20%
- Power Rating: 0.125 W at 70˚C
- Temp. Coefficient (max.): ± 150 ppm/˚C

Features:

- 0.125 Watt at 70˚C
- Small size for Optimum Packing Density
- Suitable for both manual and automatic operation

Table of Values (Ω)				
20	1K	10K	100K	1M
50	2K	20K	200K	2M
100	5K	50K	500K	

MOUSER STOCK NO.	Fig.
72-TS3YJ-(Value Code)	D

LEAD-FREE

RoHS Compliant

Price Each				
1	100	200	500	1000
1.38	1.10	1.06	.95	Call

VISHAY / BC COMPONENT/COPAL ST-4 SERIES 4MM SINGLE TURN, SMD, SEALED CERMET TRIMMERS

Specifications:

- Mechanical Angle: 240˚ (1 turn)
- Nominal Resistance Range: 50Ω - 2MΩ
- Resistance Tolerance: ±20%
- Power Ratings: 0.25 W (70˚C) 0 W (125˚C)
- Resistance Law: Linear Law (B)
- Operating Temp. Range: -55 ~ 125˚C

Features:

- Lead (Pb)-free soldering, Cadmium-free
- Flow/Reflow soldering is possible
- Sealed construction (Washable)
- Stopper structure prevents terminal pin from being open
- Available: Side Adjustment, rear Adjustment, 7 types

Table of Values (Ω)				
50	500	5K	50K	500K
100	1K	10K	100K	1M
200	2K	20K	200K	2M

MOUSER STOCK NO.	Fig.
594-ST4ETA(Value Code)	E
594-ST4ETB(Value Code)	F

LEAD-FREE

RoHS Compliant

Price Each				
1	100	200	500	1000
1.18	.98	.92	.84	Call

VISHAY / SFERNICE TS4Y SERIES 4MM SQUARE, SINGLE TURN, SMD, SEALED CERMET TRIMMERS

Specifications:

- Mechanical Angle: 240˚ (1 turn)
- Resistive Range: 100Ω to 500KΩ
- Tolerance: ±20% Standard
- Temperature Coefficient: ±100ppm/˚C
- Power Rating: (300 volts Max.) 0.25 watt at + 70˚C, 0 watt at + 125˚C
- Adjustment Angle: 210˚ Nominal

Features:

- Fully sealed to withstand board washing
- Compatible with surface mount manufacturing processes
- Compatible with popular vacuum pick-and-place equipment
- J-hook and gull-wing configurations

Table of Values (Ω)				
100	1K	5K	20K	100K
200	2K	10K	50K	500K

MOUSER STOCK NO.	Fig.
72-TS4YJ-(Value Code)	G
72-TS4YL-(Value Code)	H

LEAD-FREE

RoHS Compliant

Price Each				
1	100	200	500	1000
1.08	.95	.81	.68	Call

VISHAY / SFERNICE TS53Y SERIES MINIATURE, 5MM SINGLE TURN, SMD, SEALED CERMET TRIMMERS

Specifications:

- Electrical Travel: 220˚ ± 15˚
- Tolerance Standard: ± 20%
- Power Rating: Linear 0.25 W at 70˚C
- Mechanical Travel: 270˚ ± 10˚
- Temperature Range: -55˚C to +125˚C
- Resistive Range: 100Ω to 1MΩ

Features:

- 0.25 Watt at 70˚C
- For PCB version see T53Y series
- Wide ohmic range (10 Ω to 1 MΩ)
- Small size for optimum packing density
- Suitable for both manual or automatic operation

Table of Values (Ω)				
100	1K	10K	100K	1M
200	2K	20K	200K	
500	5K	50K	500K	

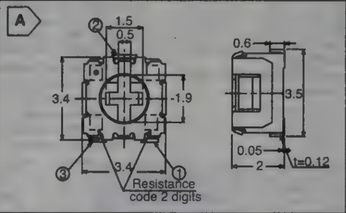
MOUSER STOCK NO.	Fig.
72-TS53YJ-(Value Code)	I
72-TS53YL-(Value Code)	J

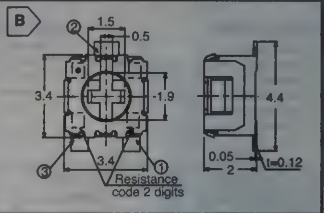
LEAD-FREE

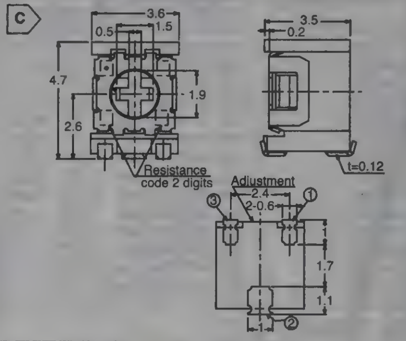
RoHS Compliant

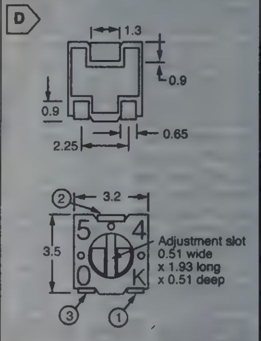
Price Each				
1	100	200	500	1000
.90	.80	.72	.64	Call

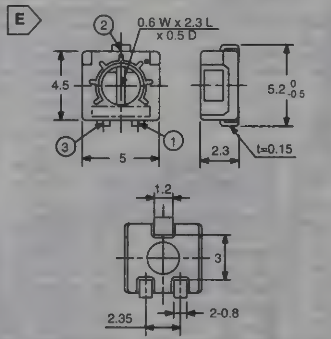
DIMENSIONS: mm

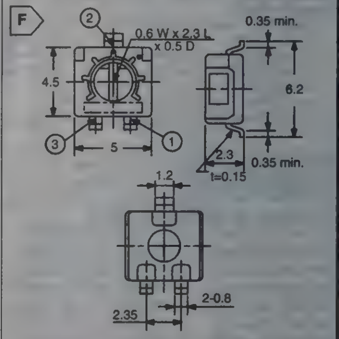

A
1.5
0.5
0.6
3.4
1.9
3.5
0.05
2
t=0.12
3.4
Resistance code 2 digits
①
②
③

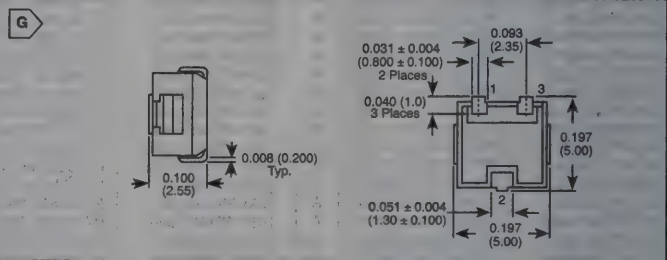

B
1.5
0.5
3.4
1.9
4.4
0.05
2
t=0.12
3.4
Resistance code 2 digits
①
②
③

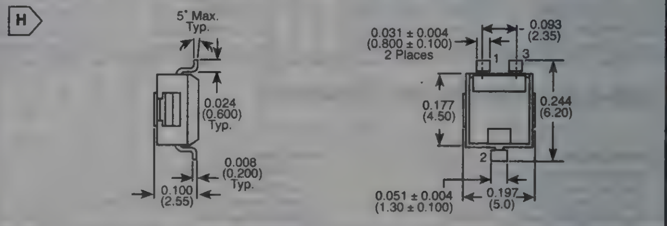

C
3.6
0.5
1.5
3.5
0.2
4.7
1.9
2.6
t=0.12
Resistance code 2 digits
Adjustment
2.4
2-0.6
1.7
1.1
1
①
②
③

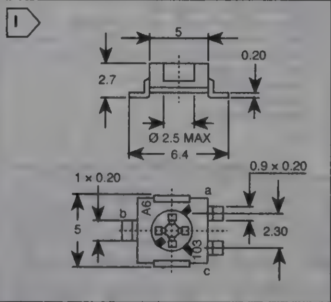

D
1.3
0.9
0.9
2.25
0.65
3.2
3.5
Adjustment slot 0.51 wide x 1.93 long x 0.51 deep
5
4
0
K
①
②
③

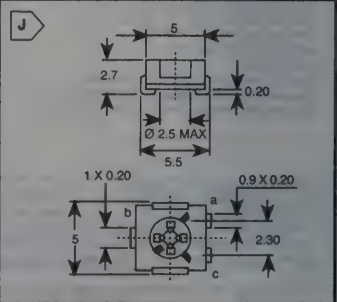

E
0.6 W x 2.3 L x 0.5 D
4.5
5.2 $^{0}_{-0.5}$
5
2.3
t=0.15
1.2
3
2.35
2-0.8
①
②
③


F
0.6 W x 2.3 L x 0.5 D
0.35 min.
4.5
6.2
5
2.3
t=0.15
0.35 min.
1.2
2.35
2-0.8
①
②
③


G
0.008 (0.200) Typ.
0.100 (2.55)
0.031 ± 0.004 (0.800 ± 0.100) 2 Places
0.093 (2.35)
0.040 (1.0) 3 Places
1
3
0.197 (5.00)
2
0.051 ± 0.004 (1.30 ± 0.100)
0.197 (5.00)


H
5˚ Max. Typ.
0.024 (0.600) Typ.
0.008 (0.200) Typ.
0.100 (2.55)
0.031 ± 0.004 (0.800 ± 0.100) 2 Places
0.093 (2.35)
1
3
0.177 (4.50)
0.244 (6.20)
2
0.051 ± 0.004 (1.30 ± 0.100)
0.197 (5.0)


I
5
0.20
2.7
Ø 2.5 MAX
6.4
1 × 0.20
0.9 × 0.20
a
b
c
5
2.30


J
5
2.7
0.20
Ø 2.5 MAX
5.5
1 X 0.20
0.9 X 0.20
a
b
c
5
2.30

VISHAY / SFERNICE Single-Turn Trimmers

VISHAY / SFERNICE 1/4" SINGLE-TURN, SQUARE, CERMET TRIMMERS

LEAD-FREE
RoHS Compliant

Specifications:

- Tolerance: ±10%
- Operating temperature range: -55°C to +125°C
- Rated voltage: 250VD
- Rotation: 250° ± 15°
- Power rating: .5W @ 100°C
- Temperature coefficient: ±70ppm/°C
- Rotation life: 200 cycles

Features:

- Withstands harsh environments and immersion cleaning processes

- Will be renamed T73

MOUSER STOCK NO.	Fig.
72-T70YP-Value	A
72-T70YB-Value	B
72-T70YE-Value	B
72-T70XH-Value	C

Table of Values (Ω)				
100	1K	10K	50K	500K
200	2K	20K	100K	1M
500	5K	25K	200K	

Price Each				
1	25	50	100	200
.88	.73	.65	.60	Call

VISHAY / SPECTROL / SFERNICE 3/8" (10MM) SINGLE-TURN, SQUARE, CERMET TRIMMERS

LEAD-FREE
RoHS Compliant

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +125°C

- Replacing Sfernice T20 Series

Features:

- Flame retardant housing to UL rated V0
- "O" Ring seal for solvent and Aqueous washing
- Rotation life: 200 cycles
- High temp soldered terminations

MOUSER STOCK NO.	Fig.
594-63P(value code)	D
594-63X(value code)	E
594-63M(value code)	F
594-63S(value code)	G

Price Each				
1	25	50	100	200
1.36	1.33	1.31	1.11	Call

Value (Ω)	Value Code	Value (Ω)	Value Code
50	500	25K	253
100	101	50K	503
200	201	100K	104
500	501	200K	204
1K	102	250K	254
2K	202	500K	504
5K	502	1M	105
10K	103	2M	205
20K	203		

VISHAY / SPECTROL / SFERNICE 3/8" SINGLE-TURN CERMET TRIMMERS WITH KNOBS

RoHS Compliant
LEAD-FREE

Specifications:

- Tolerance: ±10%
- Coefficient of resistance: ±100ppm/°C
- Rating: 0.5 W @ 70°C, derated linearly to 0 W @125°C
- Rated voltage: 250VDC
- Rotation: 250° ± 15°
- Power rating: .5W @ +85°C

Features:

- Sealed for cleaning in common solvents
- Contact resistance variation: 2% or 2Ω, whichever is greater
- Electrical travel: 270°

Price Each					
1	25	50	100	200	500+
1.92	1.70	1.49	1.36	1.28	Call

Value (Ω)	MOUSER STOCK NO. 63P Series (Knob)	Fig.	MOUSER STOCK NO. 63P Series (Thumbwheel)	Fig.
1K	594-63P102T7	H	594-63P102T4	I
2K	594-63P202T7	H	594-63P502T4	I
5K	594-63P502T7	H	594-63P103T4	I
10K	594-63P103T7	H	594-63P203T4	I
20K	594-63P203T7	H	594-63P503T4	I
50K	594-63P503T7	H	594-63P104T4	I
100K	594-63P104T7	H	594-63P105T4	I

VISHAY / SFERNICE 1/4" SINGLE-TURN, ROUND, CERMET TRIMMERS

LEAD-FREE
RoHS Compliant

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +150°C
- Rotational life: 200 cycles
- Power rating: .5W @ +85°C
- Low temperature coefficient

Features:

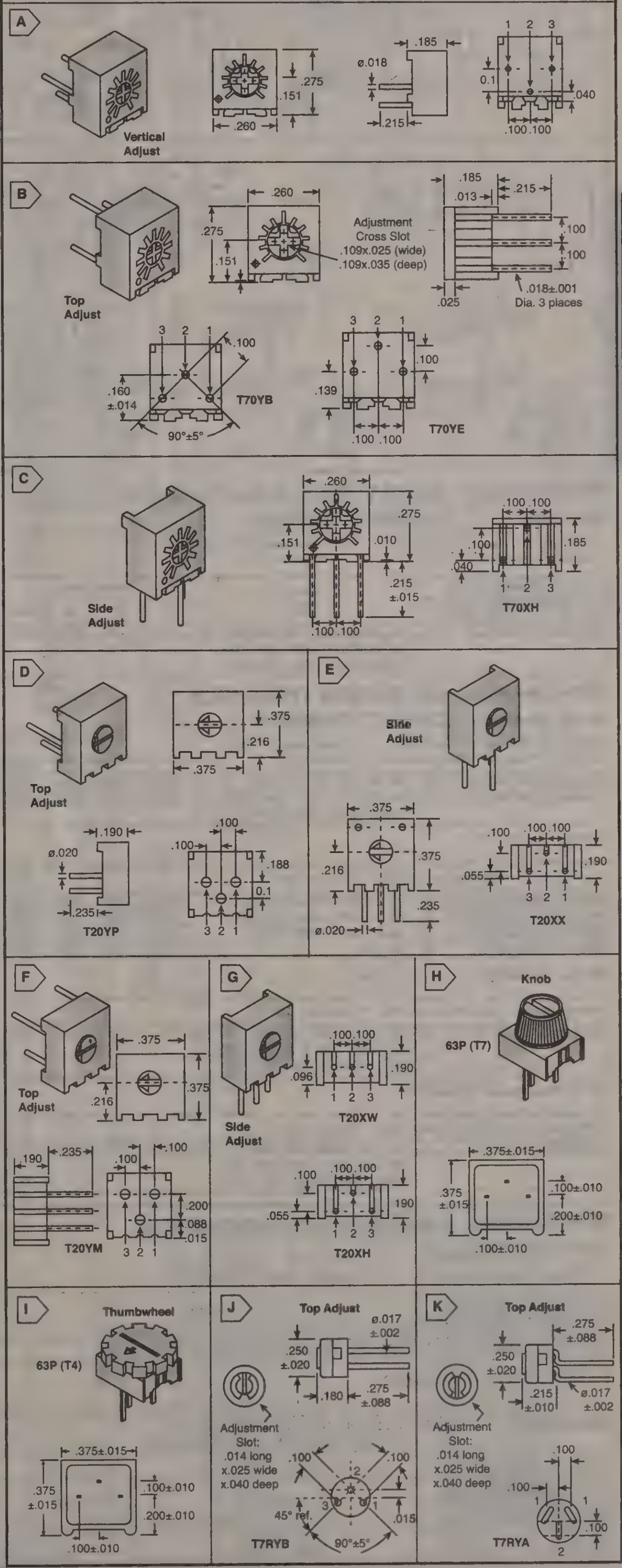
- Fully sealed to withstand board washing

MOUSER STOCK NO.	Fig.
72-T7RYB-Value	J
72-T7RYA-Value	K

Table of Values (Ω)				
50	500	5K	50K	500K
100	1K	10K	100K	1M
200	2K	20K	200K	

Price Each				
1	25	50	100	200
1.50	1.25	1.13	1.00	Call

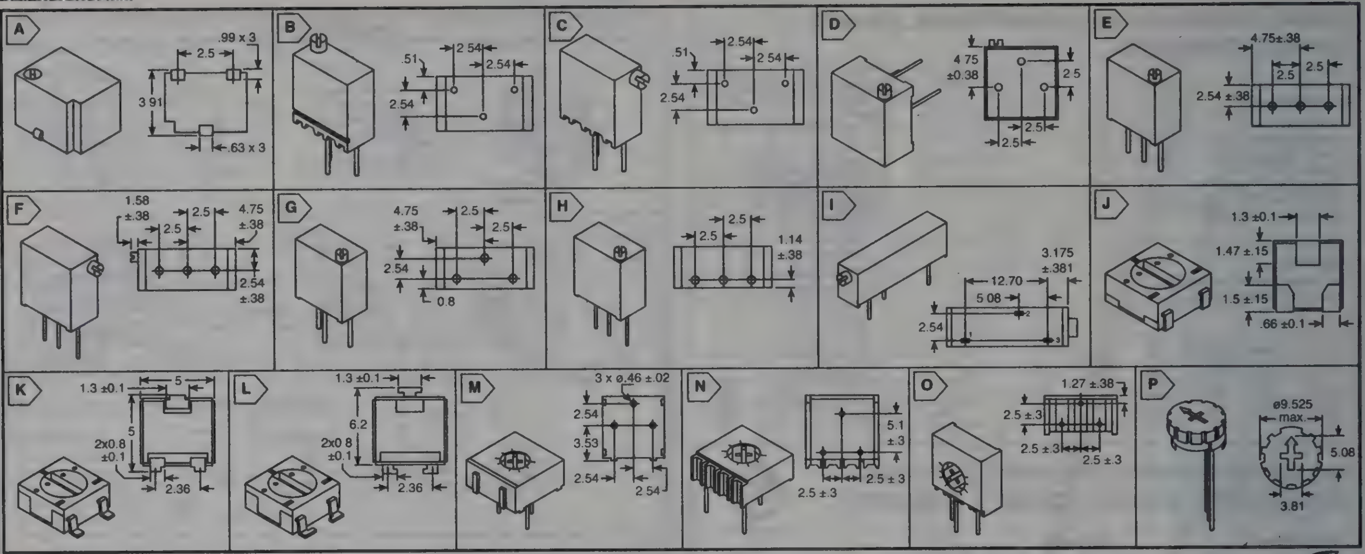
DIMENSIONS: in.


A
Vertical Adjust
.275
.151
.260
ø.018
.185
.215
1 2 3
0.1
.040
.100 .100
B
Top Adjust
.260
.275
.151
Adjustment Cross Slot .109x.025 (wide) .109x.035 (deep)
.185
.013
.215
.100
.100
.025
.018±.001 Dia. 3 places
3 2 1
.100
.160 ±.014
90°±5°
T70YB
.139
.100
.100 .100
T70YE
C
Side Adjust
.260
.275
.151
.010
.215 ±.015
.100 .100
.100 .100
.100
.040
.185
1 2 3
T70XH
D
Top Adjust
.375
.216
.375
.190
ø.020
.235
T20YP
.100
.100
.188
0.1
3 2 1
E
Side Adjust
.375
.216
.375
.235
ø.020
.100
.100 .100
.055
.190
3 2 1
T20XX
F
Top Adjust
.375
.216
.375
.190
.235
.100
.100
.200
.088
.015
T20YM
3 2 1
G
Side Adjust
.100 .100
.096
.190
1 2 3
T20XW
.100
.100 .100
.055
190
1 2 3
T20XH
H
Knob
63P (T7)
.375±.015
.375 ±.015
.100±.010
.200±.010
.100±.010
I
Thumbwheel
63P (T4)
.375±.015
.375 ±.015
.100±.010
.200±.010
.100±.010
J
Top Adjust
ø.017 ±.002
.250 ±.020
.180
.275 ±.088
Adjustment Slot: .014 long x.025 wide x.040 deep
.100
.100
45° ref.
90°±5°
.015
3 1 2
T7RYB
K
Top Adjust
.275 ±.088
.250 ±.020
.215 ±.010
ø.017 ±.002
Adjustment Slot: .014 long x.025 wide x.040 deep
.100
.100
.100
1 1 2
T7RYA

Multi / Single Turn Trimmers and Potentiometers

BI technologies

DIMENSIONS: mm



BI technologies MULTI-TURN SURFACE MOUNT CERMET TRIMMER

4mm Model 44

RoHS Compliant

- Actual electrical travel, turns, nominal: 9
- Operating Temperature: -65°C to +150°C
- Power Rating: 0.25 Watts
- Tolerance: 10%

MOUSER STOCK NO.	Fig.	Values (Ω)	Price Each			
			1	25	50	100
858-44WR-VALUE-LF	A	10, 20, 50, 100, 200, 500,1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	3.60	3.38	2.70	2.44

BI technologies MULTI-TURN THRU-HOLE CERMET TRIMMER

1/4" Sq. Model 64

RoHS Compliant

- Actual electrical travel, turns, nominal: 12
- Mechanical stops: clutch action, both ends
- Power Rating: .25 Watts
- Tolerance: 10%
- Operating Temperature: -65° to +150°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-64WR-VALUE-LF	B	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M	2.70	2.25	2.20	2.15
858-64XR-VALUE-LF	C		2.70	2.25	2.20	2.15

3/8" Sq. Model 67

- Actual electrical travel, turns, nominal: 20
- Mechanical stops: clutch action, both ends
- Power Rating: 0.50 Watts
- Tolerance: 10%
- Operating Temperature: -55° to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-67PR-VALUE-LF	D	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	2.02	1.80	1.60	1.45
858-67WR-VALUE-LF	E		2.02	1.80	1.60	1.45
858-67XR-VALUE-LF	F		2.02	1.80	1.60	1.45
858-67YR-VALUE-LF	G		2.02	1.80	1.60	1.45

3/8" Sq. Model 68

- Actual electrical travel, turns, nominal: 20
- Mechanical stops: clutch action, both ends
- Power Rating: 0.50 Watts
- Tolerance: 10%
- Operating Temperature: -55° to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-68WR-VALUE-LF	H	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	2.41	2.17	1.99	1.70

3/4" Rectangular Model 89

- Actual electrical travel, turns, nominal: 20
- Mechanical stops: clutch action, both ends
- Power Rating: 0.75 Watts
- Tolerance: 10%
- Operating Temperature: -55° to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-89PR-VALUE-LF	I	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	1.42	1.27	1.24	1.21

BI technologies SINGLE-TURN SURFACE MOUNT CERMET TRIMMER

3mm Model 22

RoHS Compliant

- Actual electrical travel, nominal: 220°
- Mechanical stops: solid
- Power Rating: .125 Watts
- Tolerance: 20%
- Operating Temperature: -55°C to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	Price Each			
			1	25	50	100
858-22AR-VALUE-LFTR	J	10, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	1.42	1.35	1.20	1.11

4mm Sq. Model 23

- Actual electrical travel, nominal: 210°
- Mechanical stops: solid
- Power Rating: 0.25 Watts
- Tolerance: 20%
- Operating Temperature: -55°C to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-23AR-VALUE-LFTR	K	10, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	1.63	1.56	1.50	1.39
858-23BR-VALUE-LFTR	L		1.63	1.56	1.50	1.39

BI technologies SINGLE-TURN THRU-HOLE CERMET TRIMMER

1/4" Sq. Model 25

RoHS Compliant

- Actual electrical travel, nominal: 210°
- Mechanical stops: solid
- Power Rating: 0.50 Watts
- Tolerance: 10%
- Operating Temperature: -55°C to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-25PR-VALUE-LF	M	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	.79	.72	.67	.62

3/8" Sq. Model 72

- Actual electrical travel, nominal: 244°
- Mechanical stops: solid
- Power Rating: 0.50 Watts
- Tolerance: 10%
- Operating Temperature: -55°C to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-72PMR-VALUE-LF	N	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	.99	.91	.88	.77
858-72PR-VALUE-LF	N		.99	.91	.88	.77
858-72XR-VALUE-LF	O		.99	.91	.88	.77

3/8" Sq. Model 91

- Actual electrical travel, nominal: 174°
- Mechanical stops: solid
- Power Rating: 0.50 Watts
- Tolerance: 20%
- Operating Temperature: -55°C to +125°C

MOUSER STOCK NO.	Fig.	Values (Ω)	1	25	50	100
858-91AR-VALUE-LF	P	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	.97	.90	.85	.80

BI technologies PRECISION POTENTIOMETERS

RoHS Compliant

7/8" 10-Turn Wirewound

- Operating Temperature: 125°C max.
- Power Rating: 2 Watts
- Tolerance: 5%

MOUSER STOCK NO.	Fig.	Values (Ω)	Price Each		
			1	5	10
858-7286R-VALUE	A	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 50K, 100K	9.66	8.62	7.94

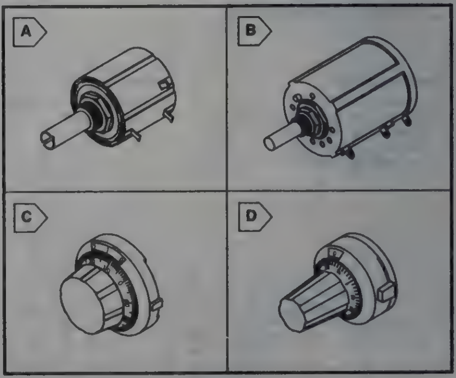
1-13/16" 10-Turn Wirewound

- Operating Temperature: 85°C max.
- Power Rating: 5 Watts
- Tolerance: 5%

MOUSER STOCK NO.	Fig.	Values (Ω)	1	5	10
858-AR-VALUE	B	10, 25, 50, 100, 200, 500, 1K, 2K, 5K 10K, 20K, 50K, 100K, 200K, 300K, 500K	56.54	54.47	43.98

Turns Counting Dials

MOUSER STOCK NO.	Fig.	Finish	Turns	Price Each		
				1	5	10
858-2606	C	Satin Chrome	20	13.38	12.31	11.24
858-RB	D	Satin Chrome	15	19.75	17.78	15.80



BOURNS Multi-Turn Cermet Trimmer Potentiometers

Reliable Electronic Solutions

RoHS Compliant This page of product is compliant.

3296 SERIES 3/8" SQUARE / 25 TURN / SEALED

Reliable Electronic Solutions

RoHS Compliant

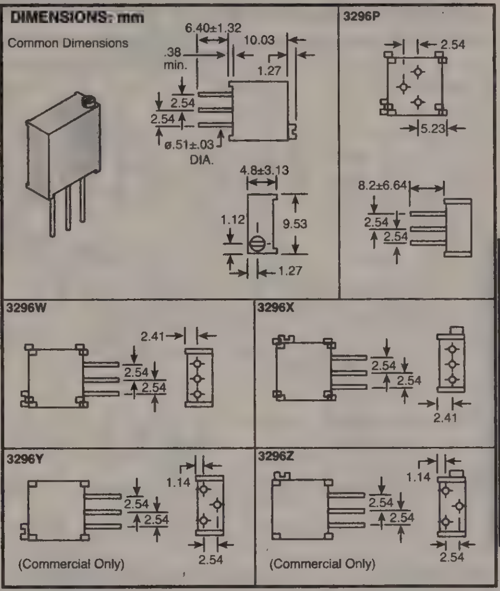
Features:
- 5 terminal styles
- Chevron seal design

Specifications:
- Resistance tolerance: ±10% standard
- Power rating: 70°C - 0.5W; 125°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3296P, 3296Z	2.37	2.12	1.89	1.81	1.60	1.50
3296W, X, Y	2.20	2.00	1.75	1.58	1.49	1.39

Value (Ω)	3296P Series	3296W Series	3296X Series	3296Y Series	3296Z Series
	MOUSER STOCK NO.				
10	652-3296P-1-100LF	652-3296W-1-100LF	652-3296X-1-100LF	652-3296Y-1-100LF	652-3296Z-1-100LF
20	652-3296P-1-200LF	652-3296W-1-200LF	652-3296X-1-200LF	652-3296Y-1-200LF	652-3296Z-1-200LF
50	652-3296P-1-500LF	652-3296W-1-500LF	652-3296X-1-500LF	652-3296Y-1-500LF	652-3296Z-1-500LF
100	652-3296P-1-101LF	652-3296W-1-101LF	652-3296X-1-101LF	652-3296Y-1-101LF	652-3296Z-1-101LF
200	652-3296P-1-201LF	652-3296W-1-201LF	652-3296X-1-201LF	652-3296Y-1-201LF	652-3296Z-1-201LF
500	652-3296P-1-501LF	652-3296W-1-501LF	652-3296X-1-501LF	652-3296Y-1-501LF	652-3296Z-1-501LF
1K	652-3296P-1-102LF	652-3296W-1-102LF	652-3296X-1-102LF	652-3296Y-1-102LF	652-3296Z-1-102LF
2K	652-3296P-1-202LF	652-3296W-1-202LF	652-3296X-1-202LF	652-3296Y-1-202LF	652-3296Z-1-202LF
5K	652-3296P-1-502LF	652-3296W-1-502LF	652-3296X-1-502LF	652-3296Y-1-502LF	652-3296Z-1-502LF
10K	652-3296P-1-103LF	652-3296W-1-103LF	652-3296X-1-103LF	652-3296Y-1-103LF	652-3296Z-1-103LF
20K	652-3296P-1-203LF	652-3296W-1-203LF	652-3296X-1-203LF	652-3296Y-1-203LF	652-3296Z-1-203LF
25K	652-3296P-1-253LF	652-3296W-1-253LF	652-3296X-1-253LF	652-3296Y-1-253LF	652-3296Z-1-253LF
50K	652-3296P-1-503LF	652-3296W-1-503LF	652-3296X-1-503LF	652-3296Y-1-503LF	652-3296Z-1-503LF
100K	652-3296P-1-104LF	652-3296W-1-104LF	652-3296X-1-104LF	652-3296Y-1-104LF	652-3296Z-1-104LF
200K	652-3296P-1-204LF	652-3296W-1-204LF	652-3296X-1-204LF	652-3296Y-1-204LF	652-3296Z-1-204LF
250K	652-3296P-1-254LF	652-3296W-1-254LF	652-3296X-1-254LF	652-3296Y-1-254LF	652-3296Z-1-254LF
500K	652-3296P-1-504LF	652-3296W-1-504LF	652-3296X-1-504LF	652-3296Y-1-504LF	652-3296Z-1-504LF
1M	652-3296P-1-105LF	652-3296W-1-105LF	652-3296X-1-105LF	652-3296Y-1-105LF	652-3296Z-1-105LF
2M	652-3296P-1-205LF	652-3296W-1-205LF	652-3296X-1-205LF	652-3296Y-1-205LF	652-3296Z-1-205LF



3006 SERIES 3/4" RECTANGULAR / 15 TURN / SEALED

Features:
- Low PC board profile - only 1/4" high

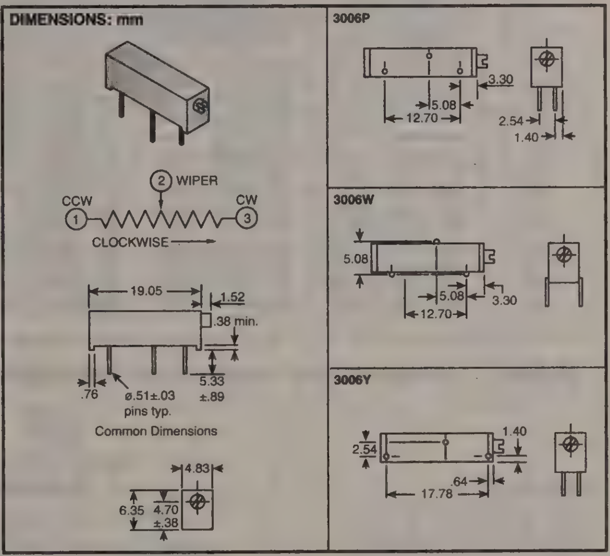
RoHS Compliant

Specifications:
- Resistance tolerance: ±10% standard
- Power rating: 70°C - 0.75W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C

For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3006P	1.55	1.41	1.28	1.10	1.03	.96
3006W, 3006Y	1.66	1.50	1.35	1.18	1.10	1.03

Value (Ω)	3006P Series	3006W Series	3006Y Series
	MOUSER STOCK NO.		
100	652-3006P-1-101LF	652-3006W-1-101LF	652-3006Y-1-101LF
200	652-3006P-1-201LF	652-3006W-1-201LF	652-3006Y-1-201LF
500	652-3006P-1-501LF	652-3006W-1-501LF	652-3006Y-1-501LF
1K	652-3006P-1-102LF	652-3006W-1-102LF	652-3006Y-1-102LF
2K	652-3006P-1-202LF	652-3006W-1-202LF	652-3006Y-1-202LF
5K	652-3006P-1-502LF	652-3006W-1-502LF	652-3006Y-1-502LF
10K	652-3006P-1-103LF	652-3006W-1-103LF	652-3006Y-1-103LF
20K	652-3006P-1-203LF	652-3006W-1-203LF	652-3006Y-1-203LF
25K	652-3006P-1-253LF	652-3006W-1-253LF	652-3006Y-1-253LF
50K	652-3006P-1-503LF	652-3006W-1-503LF	652-3006Y-1-503LF
100K	652-3006P-1-104LF	652-3006W-1-104LF	652-3006Y-1-104LF
200K	652-3006P-1-204LF	652-3006W-1-204LF	652-3006Y-1-204LF
250K	652-3006P-1-254LF	652-3006W-1-254LF	652-3006Y-1-254LF
500K	652-3006P-1-504LF	652-3006W-1-504LF	652-3006Y-1-504LF
1M	652-3006P-1-105LF	652-3006W-1-105LF	652-3006Y-1-105LF



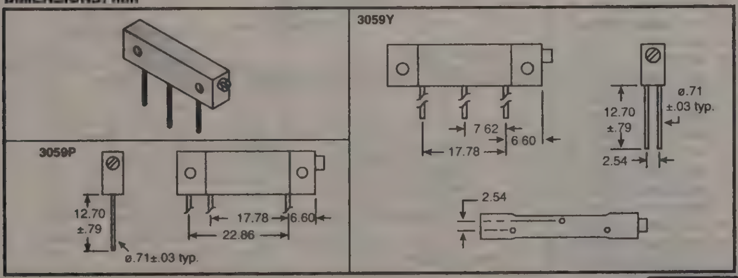
3059 SERIES 1-1/4" RECTANGULAR / 22 TURN / SEALED

Reliable Electronic Solutions

Specifications:
- Resistance tolerance: ±10% standard
- Power rating: 70°C - 1.0W; 150°C - 0W 400V max.
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

RoHS Compliant

DIMENSIONS: mm



For quantities of 2,000 or more, call for quote.

Series No.	Price Each					
	1	10	50	100	500	1000
3059P, 3059Y	5.34	4.76	4.14	3.87	3.65	3.49

Value (Ω)	3059P Series	3059Y Series
	MOUSER STOCK NO.	
100	652-3059P-1-101LF	652-3059Y-1-101LF
200	652-3059P-1-201LF	652-3059Y-1-201LF
500	652-3059P-1-501LF	652-3059Y-1-501LF
1K	652-3059P-1-102LF	652-3059Y-1-102LF
2K	652-3059P-1-202LF	652-3059Y-1-202LF
5K	652-3059P-1-502LF	652-3059Y-1-502LF
10K	652-3059P-1-103LF	652-3059Y-1-103LF
20K	652-3059P-1-203LF	652-3059Y-1-203LF
50K	652-3059P-1-503LF	652-3059Y-1-503LF
100K	652-3059P-1-104LF	652-3059Y-1-104LF
200K	652-3059P-1-204LF	652-3059Y-1-204LF
500K	652-3059P-1-504LF	652-3059Y-1-504LF
1M	652-3059P-1-105LF	652-3059Y-1-105LF

BOURNS Multi-Turn Cermet Trimmer Potentiometers

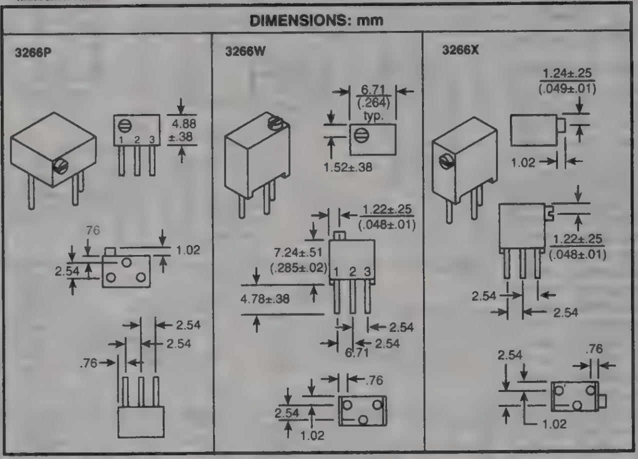
Reliable Electronic Solutions

This page of product is compliant.

3266 SERIES 1/4" SQUARE/ 12 TURN/ SEALED

Reliable Electronic Solutions

DIMENSIONS: mm


3266P
4.88
±.38
1 2 3
76
1.02
2.54
2.54
2.54
.76
3266W
6.71
(.264)
typ.
1.52±.38
1.22±.25
(.048±.01)
7.24±.51
(.285±.02)
4.78±.38
1 2 3
2.54
2.54
6.71
.76
2.54
1.02
3266X
1.24±.25
(.049±.01)
1.02
1.22±.25
(.048±.01)
2.54
2.54
2.54
.76
1.02

RoHS Compliant

Specifications:
- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.25W; 150°C - 0W
- Temperature range: -55°C to +150°C
- Temperature coefficient: ±100ppm/°C

For quantities of 2,000 or more, call for quote.

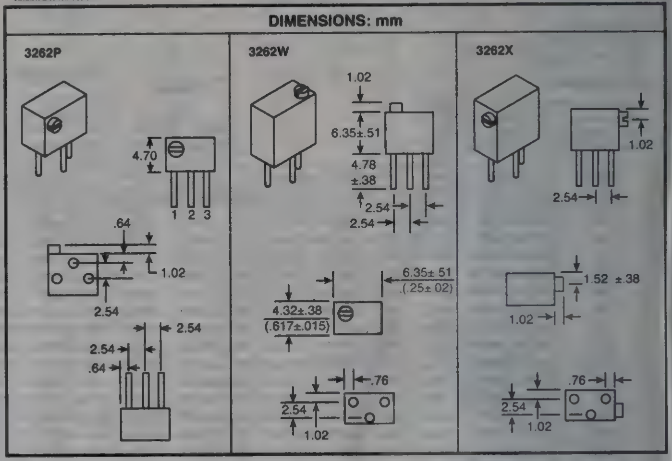
Series No.	Price Each					
	1	10	50	100	500	1000
3266P,3266W, 3266X	2.92	2.48	2.37	2.24	2.14	2.02

Value (Ω)	3266P Series	3266W Series	3266X Series
	MOUSER STOCK NO.		
50	652-3266P-1-500LF	652-3266W-1-500LF	652-3266X-1-500LF
100	652-3266P-1-101LF	652-3266W-1-101LF	652-3266X-1-101LF
200	652-3266P-1-201LF	652-3266W-1-201LF	652-3266X-1-201LF
500	652-3266P-1-501LF	652-3266W-1-501LF	652-3266X-1-501LF
1K	652-3266P-1-102LF	652-3266W-1-102LF	652-3266X-1-102LF
2K	652-3266P-1-202LF	652-3266W-1-202LF	652-3266X-1-202LF
5K	652-3266P-1-502LF	652-3266W-1-502LF	652-3266X-1-502LF
10K	652-3266P-1-103LF	652-3266W-1-103LF	652-3266X-1-103LF
20K	652-3266P-1-203LF	652-3266W-1-203LF	652-3266X-1-203LF
25K	652-3266P-1-253LF	652-3266W-1-253LF	652-3266X-1-253LF
50K	652-3266P-1-503LF	652-3266W-1-503LF	652-3266X-1-503LF
100K	652-3266P-1-104LF	652-3266W-1-104LF	652-3266X-1-104LF
200K	652-3266P-1-204LF	652-3266W-1-204LF	652-3266X-1-204LF
500K	652-3266P-1-504LF	652-3266W-1-504LF	652-3266X-1-504LF
1M	652-3266P-1-105LF	652-3266W-1-105LF	652-3266X-1-105LF

3262 SERIES 1/4" SQUARE/ 12 TURN/ SEALED

Reliable Electronic Solutions

DIMENSIONS: mm


3262P
4.70
1 2 3
.64
1.02
2.54
2.54
.64
2.54
3262W
1.02
6.35±.51
4.78
±.38
2.54
2.54
6.35±.51
(.25±.02)
4.32±.38
(.617±.015)
.76
2.54
1.02
3262X
1.02
2.54
1.52 ±.38
1.02
.76
2.54
1.02

Specifications:
- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

RoHS Compliant

Features:
- Listed on the QPL for style RJ26 per MIL-R-22097 and RJR26 per High-Rel MIL-R-39035
- Patent #4427966 drive mechanism

For quantities of 500 or more, call for quote.

Series No.	Price Each			
	1	10	50	100
3262P, 3262W, 3262X	14.25	12.50	11.16	9.02

Value (Ω)	3262P Series	3262W Series	3262X Series
	MOUSER STOCK NO.		
100	652-3262P-1-101LF	652-3262W-1-101LF	652-3262X-1-101LF
200	652-3262P-1-201LF	652-3262W-1-201LF	652-3262X-1-201LF
500	652-3262P-1-501LF	652-3262W-1-501LF	652-3262X-1-501LF
1K	652-3262P-1-102LF	652-3262W-1-102LF	652-3262X-1-102LF
2K	652-3262P-1-202LF	652-3262W-1-202LF	652-3262X-1-202LF
5K	652-3262P-1-502LF	652-3262W-1-502LF	652-3262X-1-502LF
10K	652-3262P-1-103LF	652-3262W-1-103LF	652-3262X-1-103LF
20K	652-3262P-1-203LF	652-3262W-1-203LF	652-3262X-1-203LF
25K	652-3262P-1-253LF	652-3262W-1-253LF	652-3262X-1-253LF
50K	652-3262P-1-503LF	652-3262W-1-503LF	652-3262X-1-503LF
100K	652-3262P-1-104LF	652-3262W-1-104LF	652-3262X-1-104LF
200K	652-3262P-1-204LF	652-3262W-1-204LF	652-3262X-1-204LF
250K	652-3262P-1-254LF	652-3262W-1-254LF	652-3262X-1-254LF
500K	652-3262P-1-504LF	652-3262W-1-504LF	652-3262X-1-504LF

3299 SERIES 3/8" SQUARE/ 25 TURN/ SEALED

Reliable Electronic Solutions

RoHS Compliant

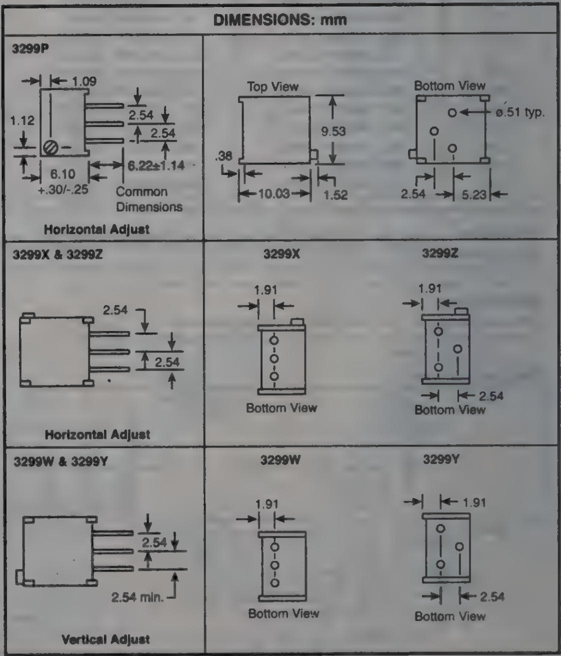
Specifications:
- Resistance tolerance: ±10% std.
- Power rating: 70°C - 0.5W; 125°C - 0W
- Temperature range: -55°C to +125°C
- Temperature coefficient: ±100ppm/°C

For quantities of 1,000 or more, call for quote.

Series No.	Price Each				
	1	10	50	100	500
3299P, 3299Z	2.85	2.56	2.28	1.90	1.81
3299W, X, Y	2.65	2.39	2.12	1.85	1.70

Value (Ω)	3299P Series	3299W Series	3299X Series	3299Y Series	3299Z Series
	MOUSER STOCK NO.				
10	652-3299P-1-100LF	652-3299W-1-100LF	652-3299X-1-100LF	652-3299Y-1-100LF	652-3299Z-1-100LF
20	652-3299P-1-200LF	652-3299W-1-200LF	652-3299X-1-200LF	652-3299Y-1-200LF	652-3299Z-1-200LF
50	652-3299P-1-500LF	652-3299W-1-500LF	652-3299X-1-500LF	652-3299Y-1-500LF	652-3299Z-1-500LF
100	652-3299P-1-101LF	652-3299W-1-101LF	652-3299X-1-101LF	652-3299Y-1-101LF	652-3299Z-1-101LF
200	652-3299P-1-201LF	652-3299W-1-201LF	652-3299X-1-201LF	652-3299Y-1-201LF	652-3299Z-1-201LF
500	652-3299P-1-501LF	652-3299W-1-501LF	652-3299X-1-501LF	652-3299Y-1-501LF	652-3299Z-1-501LF
1K	652-3299P-1-102LF	652-3299W-1-102LF	652-3299X-1-102LF	652-3299Y-1-102LF	652-3299Z-1-102LF
2K	652-3299P-1-202LF	652-3299W-1-202LF	652-3299X-1-202LF	652-3299Y-1-202LF	652-3299Z-1-202LF
5K	652-3299P-1-502LF	652-3299W-1-502LF	652-3299X-1-502LF	652-3299Y-1-502LF	652-3299Z-1-502LF
10K	652-3299P-1-103LF	652-3299W-1-103LF	652-3299X-1-103LF	652-3299Y-1-103LF	652-3299Z-1-103LF
20K	652-3299P-1-203LF	652-3299W-1-203LF	652-3299X-1-203LF	652-3299Y-1-203LF	652-3299Z-1-203LF
25K	652-3299P-1-253LF	652-3299W-1-253LF	652-3299X-1-253LF	652-3299Y-1-253LF	652-3299Z-1-253LF
50K	652-3299P-1-503LF	652-3299W-1-503LF	652-3299X-1-503LF	652-3299Y-1-503LF	652-3299Z-1-503LF
100K	652-3299P-1-104LF	652-3299W-1-104LF	652-3299X-1-104LF	652-3299Y-1-104LF	652-3299Z-1-104LF
200K	652-3299P-1-204LF	652-3299W-1-204LF	652-3299X-1-204LF	652-3299Y-1-204LF	652-3299Z-1-204LF
250K	652-3299P-1-254LF	652-3299W-1-254LF	652-3299X-1-254LF	652-3299Y-1-254LF	652-3299Z-1-254LF
500K	652-3299P-1-504LF	652-3299W-1-504LF	652-3299X-1-504LF	652-3299Y-1-504LF	652-3299Z-1-504LF
1M	652-3299P-1-105LF	652-3299W-1-105LF	652-3299X-1-105LF	652-3299Y-1-105LF	652-3299Z-1-105LF
2M	652-3299P-1-205LF	652-3299W-1-205LF	652-3299X-1-205LF	652-3299Y-1-205LF	652-3299Z-1-205LF

DIMENSIONS: mm

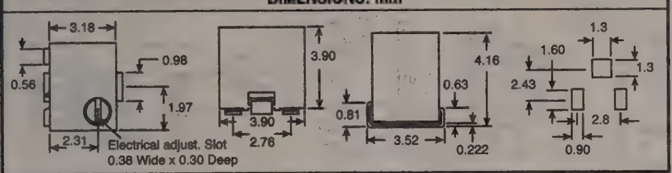

3299P
1.09
1.12
2.54
2.54
6.22±1.14
6.10
+.30/-.25
Common
Dimensions
Horizontal Adjust
Top View
9.53
.38
10.03
1.52
Bottom View
ø.51 typ.
2.54
5.23
3299X & 3299Z
2.54
2.54
Horizontal Adjust
3299X
1.91
Bottom View
3299Z
1.91
2.54
Bottom View
3299W & 3299Y
2.54
2.54 min.
Vertical Adjust
3299W
1.91
Bottom View
3299Y
1.91
2.54
Bottom View

BOURNS Multi-Turn Cermet Trimmer Potentiometers

RoHS Compliant This page of product is compliant.

3223 SERIES 3MM SMD TRIMMING POTENTIOMETER

DIMENSIONS: mm



Features:

- Surface Mount 3mm Square / Multiturn / Cermet / Industrial / Sealed
- Sealed to withstand board wash processing
- Pick and place centering design for automated placement compatibility
- Flush adjustment screw
- Meets EIA/ EIAJ/IPC/VECI SMD standard trimmer footprint
- Top Adjust

RoHS Compliant

Specifications:

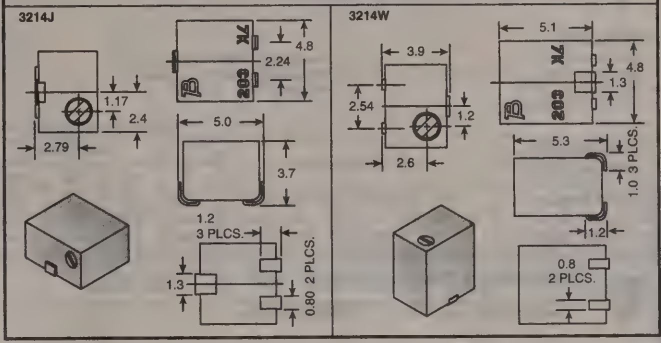
- Resistance tolerance: ±20% std.
- Power rating: 200V max.: 70°C=0.125W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C
- Humidity: MIL-STD-202 Method 106, TRS ±3%; IR 10 MΩ

For quantities of 2,500 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Value (Ω)	Price Each					
			1	25	50	100	500	1000
652-3223W-1-100E	3223W-1-100E	10	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-200E	3223W-1-200E	20	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-500E	3223W-1-500E	50	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-101E	3223W-1-101E	100	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-201E	3223W-1-201E	200	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-501E	3223W-1-501E	500	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-102E	3223W-1-102E	1K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-202E	3223W-1-202E	2K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-502E	3223W-1-502E	5K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-103E	3223W-1-103E	10K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-203E	3223W-1-203E	20K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-503E	3223W-1-503E	50K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-104E	3223W-1-104E	100K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-204E	3223W-1-204E	200K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-504E	3223W-1-504E	500K	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-105E	3223W-1-105E	1M	3.85	3.30	3.05	2.85	1.79	1.63
652-3223W-1-205E	3223W-1-205E	2M	3.85	3.30	3.05	2.85	1.79	1.63
Adjustment Tool								
652-H-92-1	H-92-1	---	1.70	1.40	1.29	1.13	.93	.88

3214 SERIES 4MM SQUARE SMD/5 TURN/SEALED

DIMENSIONS: mm



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

RoHS Compliant

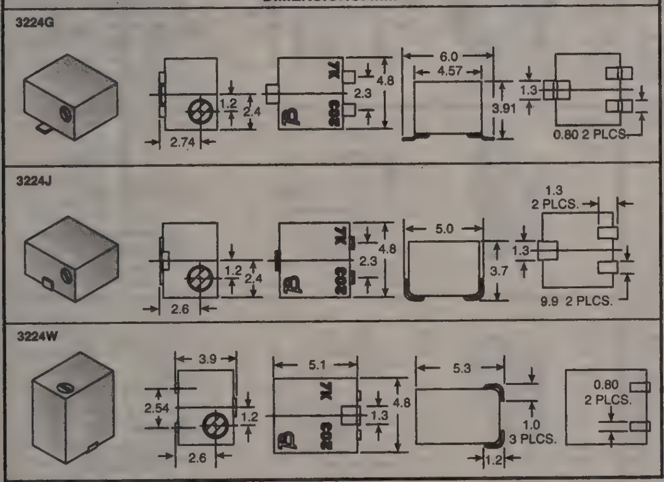
For quantities of 1000 and up, call for quote.

Series No.	Price Each			
	1	100	250	500
3214J, 3214W	3.22	2.39	1.95	1.50
Adjustment Tool				
652-H-91	1.80	1.12	1.07	1.04

Value (Ω)	3214J Series	3214W Series
	MOUSER STOCK NO.	
100	652-3214J-1-101E	652-3214W-1-101E
200	652-3214J-1-201E	652-3214W-1-201E
500	652-3214J-1-501E	652-3214W-1-501E
1K	652-3214J-1-102E	652-3214W-1-102E
2K	652-3214J-1-202E	652-3214W-1-202E
5K	652-3214J-1-502E	652-3214W-1-502E
10K	652-3214J-1-103E	652-3214W-1-103E
20K	652-3214J-1-203E	652-3214W-1-203E
50K	652-3214J-1-503E	652-3214W-1-503E
100K	652-3214J-1-104E	652-3214W-1-104E

3224 SERIES 4MM SQUARE/SMD/11 TURN/SEALED

DIMENSIONS: mm



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

RoHS Compliant

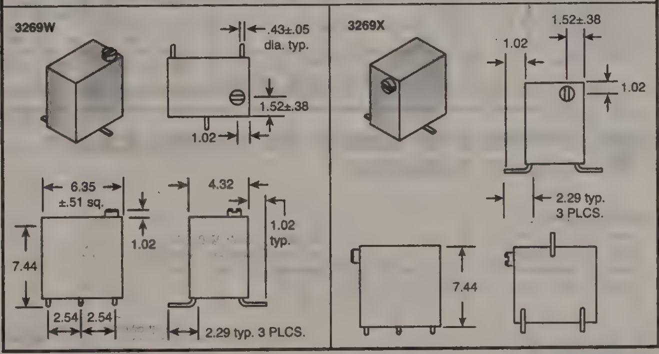
For quantities of 1000 and up, call for quote.

Series No.	Price Each			
	1	100	250	500
3224G, J, W	5.19	3.88	2.65	2.43
Adjustment Tool				
652-H-91	1.80	1.12	1.07	1.04

Value (Ω)	3224G Series	3224J Series	3224W Series
	MOUSER STOCK NO.		
100	652-3224G-1-101E	652-3224J-1-101E	652-3224W-1-101E
500	652-3224G-1-501E	652-3224J-1-501E	652-3224W-1-501E
1K	652-3224G-1-102E	652-3224J-1-102E	652-3224W-1-102E
2K	652-3224G-1-202E	652-3224J-1-202E	652-3224W-1-202E
5K	652-3224G-1-502E	652-3224J-1-502E	652-3224W-1-502E
10K	652-3224G-1-103E	652-3224J-1-103E	652-3224W-1-103E
20K	652-3224G-1-203E	652-3224J-1-203E	652-3224W-1-203E
50K	652-3224G-1-503E	652-3224J-1-503E	652-3224W-1-503E
100K	652-3224G-1-104E	652-3224J-1-104E	652-3224W-1-104E

3269 SERIES 1/4" SQUARE/SMD/12 TURN/SEALED

DIMENSIONS: mm



Specifications:

- Resistance tolerance: ±10% std.
- Power rating: 85°C - 0.25W; 150°C - 0W
- Temperature range: -65°C to +150°C
- Temperature coefficient: ±100ppm/°C

RoHS Compliant

For quantities of 500 and up, call for quote.

Series No.	Price Each			
	1	10	50	100
3269W, 3269X	3.60	3.28	2.90	2.77
Adjustment Tool				
652-H-90	1.73	1.54	1.31	1.15

Value (Ω)	3269W Series	3269X Series
	MOUSER STOCK NO.	
50	652-3269W-1-500LF	652-3269X-1-500LF
100	652-3269W-1-101LF	652-3269X-1-101LF
200	652-3269W-1-201LF	652-3269X-1-201LF
500	652-3269W-1-501LF	652-3269X-1-501LF
1K	652-3269W-1-102LF	652-3269X-1-102LF
2K	652-3269W-1-202LF	652-3269X-1-202LF
5K	652-3269W-1-502LF	652-3269X-1-502LF
10K	652-3269W-1-103LF	652-3269X-1-103LF
20K	652-3269W-1-203LF	652-3269X-1-203LF
50K	652-3269W-1-503LF	652-3269X-1-503LF
100K	652-3269W-1-104LF	652-3269X-1-104LF
200K	652-3269W-1-204LF	652-3269X-1-204LF
500K	652-3269W-1-504LF	652-3269X-1-504LF
1M	652-3269W-1-105LF	652-3269X-1-105LF

VISHAY / SFERNICE Multi-Turn Trimmers

SFERNICE T63 SERIES: 1/4" 15-TURN, SQUARE, CERMET TRIMMERS

Specifications:

- Tolerance: ±10%
- Oper temp. range: -55°C to +155°C
- Rated voltage: 250VD
- Rotation: 15 turns ±5
- Power rating: .25W @ 85°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .02" x .02"

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T63YB-Value	A	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M	2.49	2.27	2.13	1.99	1.68
72-T63XB-Value	B		2.49	2.27	2.13	1.99	1.68
72-T63ZB-Value	C		2.49	2.27	2.13	1.99	1.68

SFERNICE TS63 SERIES: 1/4" 13-TURN SMD, SQUARE, CERMET TRIMMERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +155°C
- Rated voltage: 250VD
- Rotation: 13 turns ±2
- Power rating: .25W @ 85°C
- Temperature coefficient: ±100ppm/°C, 10Ω-50Ω 0/+200ppm
- Screwdriver slot: .02" x .02"

◆ **Surface Mount Device**

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each				
			1	25	50	100	200
◆72-TS63Y-Value	D	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	2.89	2.35	1.88	1.72	1.51

SFERNICE T18 SERIES: 3/4" 15-TURN, RECTANGULAR, HORIZONTAL ADJUST, CERMET TRIMMERS

Specifications:

- Tolerance: ±10%
- Oper. temp. range: -55°C to +155°C
- Rated voltage: 250VDC
- Rotation: 15 turns ±1
- Power rating: .75W @ 70°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .024" x .024"

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T18-Value	E	100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 500K, 1M, 2M	1.24	1.19	1.15	1.05	.884

SFERNICE T93 SERIES: 3/8" 19-TURN, SQUARE, CERMET TRIMMERS

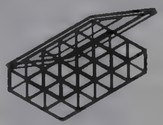
Specifications:

- Tolerance: ±10%
- Rated voltage: 250VDC
- Operating temperature range: -55°C to +155°C
- Rotation: 19 turns ±2
- Power rating: .50W @ 85°C
- Temperature coefficient: ±70ppm/°C
- Screwdriver slot: .024" x .024"

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Table of Values (Ω)	Price Each				
			1	25	50	100	200
72-T93XA-Value	F	10, 20, 50, 100, 200, 500, 1K, 2K, 5K, 10K, 20K, 25K, 50K, 100K, 200K, 250K, 500K, 1M, 2M	1.20	1.15	1.10	1.05	.901
72-T93XB-Value	G		1.20	1.15	1.10	1.05	.901
72-T93YA-Value	H		1.20	1.15	1.10	1.05	.901
72-T93YB-Value	I		1.20	1.15	1.10	1.05	.901

SFERNICE T93 SERIES: 3/8" 19-TURN, SQUARE TRIMMER KITS



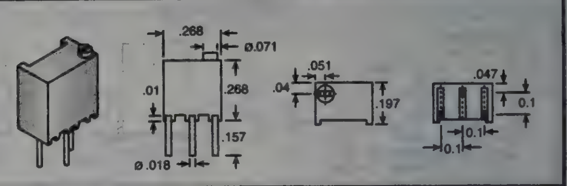
RoHS Compliant

LEAD-FREE

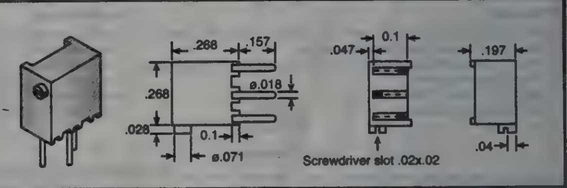
MOUSER STOCK NO.	Kit Contains 90 Pieces	Price Each
370-T93XA-KIT	10 each: 1K, 5K, 10K; 5 each: 10, 50, 100, 500, 2K, 20K, 50K, 100K, 200K, 500K, 1M, 2M	99.95
370-T93YB-KIT		99.95
370-T93Z-KIT		99.95

DIMENSIONS: in.

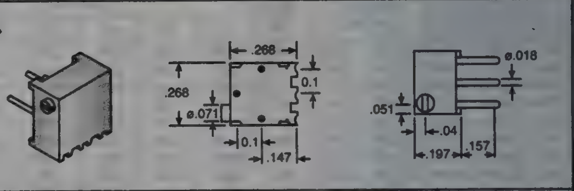
A


.268
ø.071
.01
.268
.051
.04
.197
.157
ø.018
.047
0.1
0.1
0.1

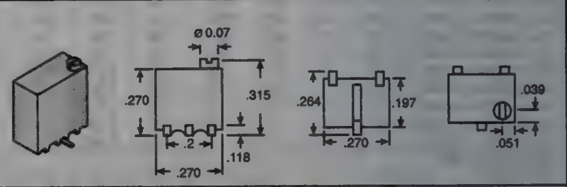
B


.268
.157
.268
ø.018
.028
0.1
ø.071
.047
0.1
Screwdriver slot .02x.02
.197
.04

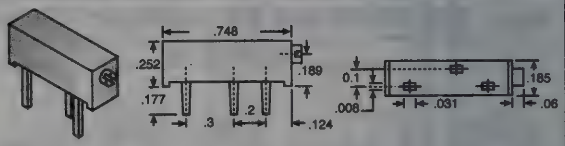
C


.268
.268
0.1
ø.071
0.1
.147
ø.018
.051
.04
.197
.157

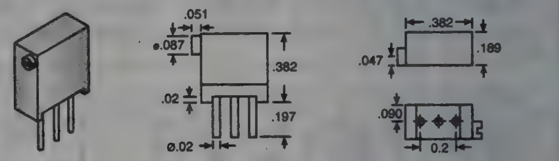
D


ø 0.07
.270
.315
.2
.118
.270
.264
.197
.270
.039
.051

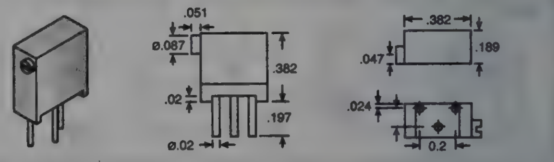
E


.748
.252
.189
.177
.3
.2
.124
0.1
.008
.031
.185
.06

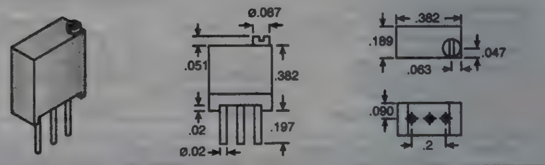
F


.051
ø.087
.382
.02
.197
ø.02
.382
.047
.189
.090
0.2

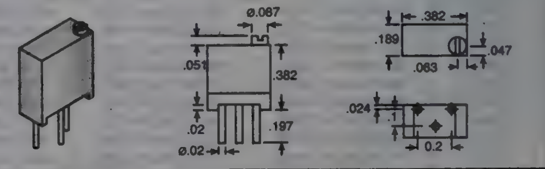
G


.051
ø.087
.382
.02
.197
ø.02
.382
.047
.189
.024
0.2

H


ø.087
.051
.382
.02
.197
ø.02
.382
.189
.063
.047
.090
.2

I


ø.087
.051
.382
.02
.197
ø.02
.382
.189
.063
.047
.024
.1
0.2

VISHAY / SFERNICE MODEL TSM 43, 4MM, SMD, CERMET TRIMMERS

Features:
- Sealed to withstand board wash processing
- Pick and place centering design
- 4mm design meets EIA SMD standard trimmer footprint
- Top and side adjust styles
- Temperature coefficient: ±100ppm/°C

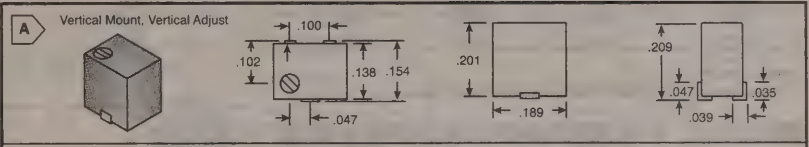
Specifications:
- Tolerance: ±10%
- Oper. temp. range: -65°C to +150°C
- Rotation cycling: 200 cycles
- Power rating: .25W @ +85°C
- Temperature coefficient: ±100ppm/°C

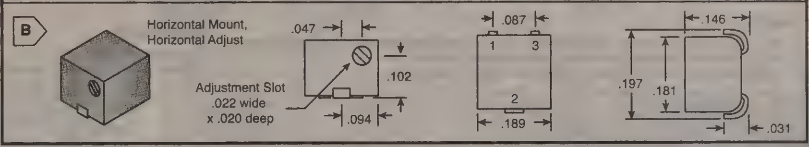
Table of Values (Ω)				
100	500	2K	10K	50K
200	1K	5K	20K	100K

MOUSER STOCK NO.	Fig.
72-TSM43YJ-Value	A
72-TSM43ZJ-Value	B

Price Each				
1	25	50	100	250
3.20	2.75	2.46	2.34	Call

DIMENSIONS: in.


A
Vertical Mount, Vertical Adjust
.100
.102
.138
.154
.047
.201
.189
.209
.047
.035
.039


B
Horizontal Mount, Horizontal Adjust
.047
.102
Adjustment Slot .022 wide x .020 deep
.094
.087
1
3
2
.189
.146
.197
.181
.031

VISHAY / SPECTROL MODEL 64
3/8" (10MM) 25-TURN CERMET TRIMMERS

Specifications:
- Trimmer size 3/8"x 3/8"x 3/16"
- Tolerance: ±10%
- Rating: 0.5 W @ 70°C, derated linearly to 0W @ 125°C
- Contact resistance variation: 2% Rn or 2Ω
- 25 turns nominal
- Pure Sn. leads

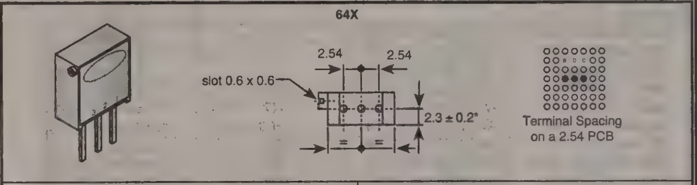
RoHS Compliant

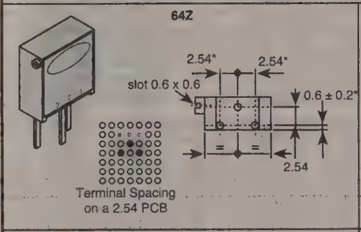
Features:
- Sealed for cleaning in common solvents
- Easy adjustment and stability

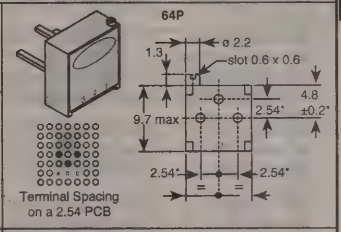
Price Each					
1	25	50	100	250	500+
1.95	1.27	1.23	1.01	.89	Call

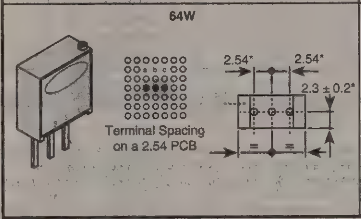
Value (Ω)	64X Series	64Z Series	64P Series	64W Series	64Y Series
	MOUSER STOCK NO.				
10	- - -	- - -	- - -	- - -	594-64Y100
20	- - -	- - -	- - -	- - -	594-64Y200
50	- - -	- - -	- - -	594-64W500	594-64Y500
100	594-64X101	- - -	594-64P101	594-64W101	594-64Y101
200	594-64X201	- - -	594-64P201	594-64W201	594-64Y201
500	594-64X501	594-64Z501	594-64P501	594-64W501	594-64Y501
1K	594-64X102	594-64Z102	594-64P102	594-64W102	594-64Y102
2K	- - -	- - -	594-64P202	594-64W202	- - -
5K	594-64X502	594-64Z502	594-64P502	594-64W502	594-64Y502
10K	594-64X103	594-64Z103	594-64P103	594-64W103	594-64Y103
20K	594-64X203	594-64Z203	594-64P203	594-64W203	594-64Y203
25K	594-64X253	- - -	- - -	594-64W253	594-64Y253
50K	594-64X503	- - -	594-64P503	594-64W503	594-64Y503
100K	594-64X104	594-64Z104	594-64P104	594-64W104	594-64Y104
200K	594-64X204	- - -	- - -	594-64W204	- - -
250K	594-64X254	- - -	- - -	594-64W254	594-64Y254
500K	594-64X504	- - -	- - -	594-64W504	594-64Y504
1M	594-64X105	- - -	- - -	594-64W105	594-64Y105
2M	594-64X205	- - -	- - -	594-64W205	- - -

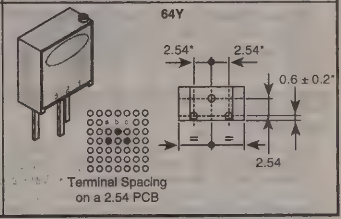
DIMENSIONS: in.


64X
2.54
2.54
slot 0.6 x 0.6
2.3 ± 0.2"
Terminal Spacing on a 2.54 PCB


64Z
2.54"
2.54"
slot 0.6 x 0.6
0.6 ± 0.2"
2.54
Terminal Spacing on a 2.54 PCB


64P
ø 2.2
1.3
slot 0.6 x 0.6
4.8 ±0.2"
2.54"
9.7 max
2.54"
2.54"
Terminal Spacing on a 2.54 PCB


64W
2.54"
2.54"
2.3 ± 0.2"
Terminal Spacing on a 2.54 PCB


64Y
2.54"
2.54"
0.6 ± 0.2"
2.54
Terminal Spacing on a 2.54 PCB

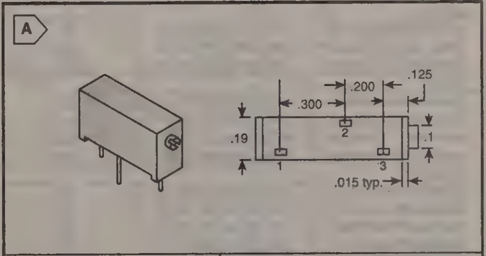
VISHAY / SPECTROL MODEL 43P 3/4" 20 TURN CERMET TRIMMERS

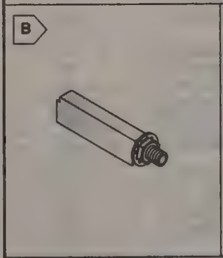
DIMENSIONS: in.

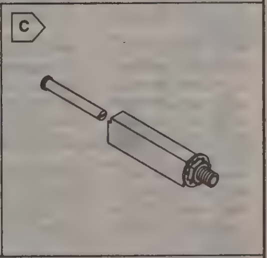
Specifications:
- Coefficient of resistance: ±100ppm/°C
- Rating: 0.5W @ 70°C, derated linearly to 0W @ 125°C
- Maximum voltage: ≤ 400V
- Temperature range: -55°C to + 125°C
- Contact resistance variation: 3% or 3Ω, whichever is greater

Features:
- Unique "T" slider block design
- Easy adjustment and stability

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value Ω	Insulation Resistance (MΩ)	Tol. %	Price Each					
						1	25	50	100	200	500+
594-43P100	043P100	A	10	1000	±10	1.35	1.23	1.12	1.01	.93	CALL FOR QUOTE
594-43P200	043P200	A	20	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P500	043P500	A	50	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P101	043P101	A	100	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P201	043P201	A	200	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P501	043P501	A	500	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P102	043P102	A	1K	1000	±10	1.23	1.23	1.01	.96	.86	
594-43P202	043P202	A	2K	1000	±10	1.23	1.12	1.01	.93	.86	
594-43P252	043P252	A	2.5K	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P502	043P502	A	5K	1000	±10	1.23	1.12	1.01	.96	.86	
594-43P103	043P103	A	10K	1000	±10	1.23	1.12	1.01	.93	.86	
594-43P203	043P203	A	20K	1000	±10	1.23	1.12	1.01	.93	.86	
594-43P253	043P253	A	25K	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P503	043P503	A	50K	1000	±10	1.23	1.12	1.01	.93	.86	
594-43P104	043P104	A	100K	1000	±10	1.23	1.12	1.01	.93	.86	
594-43P204	043P204	A	200K	1000	±10	1.23	1.12	1.01	.93	.86	
594-43P504	043P504	A	500K	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P105	043P105	A	1M	1000	±10	1.35	1.23	1.12	1.01	.93	
594-43P205	043P205	A	2M	1000	±10	1.35	1.23	1.12	1.01	.93	
Adapters											
594-610	006-1-0	B		Without shaft		1.78	1.63	1.51	1.40	1.37	Call for Quote
594-611	006-1-1	C		With flush shaft		2.64	2.42	2.23	2.07	2.01	
594-612	006-1-2	C		With .57" shaft		2.64	2.42	2.23	2.07	2.01	
594-613	006-1-3	C		With .875" shaft		2.64	2.42	2.23	2.07	2.01	


A
.125
.200
.300
2
.19
.1
1
3
.015 typ.

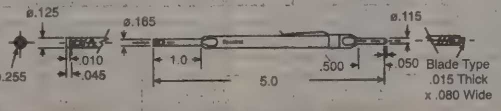




These adapters allow panel mounting of 3/4" rectangular trimmers. Designed to convert standard trimmer models into panel mounts in a quick and economical manner, accomplished by snap-in, providing for quick installation. Shaft dia. = .118"

VISHAY / SPECTROL TRIMMER ADJUSTMENT TOOL

Features:
- Extended as well as recessed blade for critical adjustments
- Designed to adjust trimmer potentiometers of all sizes
- Made of glass filled nylon with corrosion resistant stainless steel blades


ø.125
ø.255
.010
.045
ø.165
1.0
5.0
.500
ø.115
.050
Blade Type .015 Thick x .080 Wide

DIMENSIONS: in.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	25	50	100
594-8T000	1.50	1.25	1.15	.99

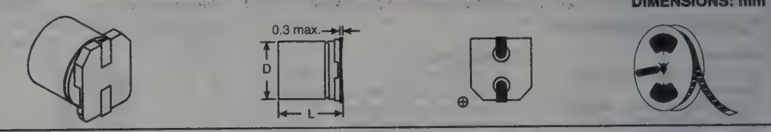
CORNELL DUBILIER Aluminum Electrolytic Capacitors

CDE CORNELL DUBILIER

RoHS Compliant **This page of product is compliant.**

Cross Reference			
CDE	NIC	Tecate	Panasonic
AFK	NACK	MXZZ	EEV-FK
AVS	NACE	MXM	ECE-V

DIMENSIONS: mm



Application Note:
- A higher voltage capacitor may be used in a lower voltage application.

AVS SERIES 85°C ALUMINUM ELECTROLYTICS

RoHS Compliant

Features:
- Best value for filter and bypass applications not requiring wide temperature or high ripple current
- AVS series offers significant cost savings over tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:
- Capacitance tolerance: ± 20%
- Temperature range: -40°C to +85°C
- Load life: 2000 hours @ 85°C
- Capacitance range: 0.1μF to 1000μF
- Voltage range: 10VDC to 100VDC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case Size D x L (mm)	ESR (Ω) (max) 20°C/120Hz	Ripple (mA rms) 85°C/120Hz	Price Each				Tape and Reel	
						1	50	100	500	Qty.	Price Ea.
10 Volt											
5985-AVS10V1000-F	AVS108M10G24T-F	1,000	10 x 10.2	0.43	580	.55	.48	.41	.34	500	.34
16 Volt											
5985-AVS16V10A-F	AVS106M16A12T-F	10	3 x 5.4	29.9	20	.19	.16	.14	.12	2000	.085
5985-AVS16V10-F	AVS106M16B12T-F	10	4 x 5.4	26.5	28	.16	.14	.12	.10	2000	.069
5985-AVS16V22-F	AVS226M16B12T-F	22	4 x 5.4	19.6	28	.18	.15	.13	.11	2000	.079
5985-AVS16V33-F	AVS336M16C12T-F	33	5 x 5.4	13.1	35	.20	.18	.15	.13	1000	.102
5985-AVS16V47-F	AVS476M16C12T-F	47	5 x 5.4	9.2	39	.20	.18	.15	.13	1000	.102
5985-AVS16V100-F	AVS107M16D16T-F	100	6.3 x 5.4	4.3	70	.26	.23	.19	.15	1000	.124
5985-AVS16V220-F	AVS227M16F24T-F	220	8 x 10.2	1.5	280	.47	.41	.35	.29	500	.29
5985-AVS16V330-F	AVS337M16F24T-F	330	8 x 10.2	1	320	.47	.41	.35	.29	500	.29
5985-AVS16V470-F	AVS477M16G24T-F	470	10 x 10.2	0.71	420	.55	.48	.41	.34	500	.34
25 Volt											
5985-AVS25V10-F	AVS106M25C12T-F	10	5 x 5.4	23.2	28	.19	.16	.14	.12	1000	.094
5985-AVS25V100-F	AVS107M25E16T-F	100	8 x 6.2	2.7	91	.36	.32	.27	.23	1000	.18
5985-AVS25V220-F	AVS227M25F24T-F	220	8 x 10.2	1.2	140	.51	.44	.38	.32	500	.32
5985-AVS25V470-F	AVS477M25G24T-F	470	10 x 10.2	0.6	360	.60	.53	.45	.38	500	.38
35 Volt											
5985-AVS35V4.7-F	AVS475M35B12T-F	4.7	4 x 5.4	42.4	22	.19	.16	.14	.12	2000	.078
5985-AVS35V10-F	AVS106M35C12T-F	10	5 x 5.4	19.9	30	.19	.16	.14	.12	1000	.094
5985-AVS35V22-F	AVS226M35D16T-F	22	6.3 x 5.4	9.1	60	.22	.19	.17	.14	1000	.11
50 Volt											
5985-AVS50V0.1-F	AVS104M50B12T-F	0.1	4 x 5.4	1990	1	.16	.14	.12	.10	2000	.069
5985-AVS50V1.0-F	AVS105M50B12T-F	1	4 x 5.4	199	10	.16	.14	.12	.10	2000	.069
5985-AVS50V2.2-F	AVS225M50B12T-F	2.2	4 x 5.4	90.5	16	.16	.14	.12	.10	2000	.069
5985-AVS50V3.3-F	AVS335M50B12T-F	3.3	4 x 5.4	60.3	16	.16	.14	.12	.10	2000	.069
5985-AVS50V22-F	AVS226M50D16T-F	22	6.3 x 5.4	10.6	60	.26	.23	.19	.15	1000	.124

AFK SERIES 105°C ALUMINUM ELECTROLYTIC, LOW ESR, SMD

RoHS Compliant

Features:
- Up to a 5000 hour load life capability
- Offers lowest ESR and long life for filtering, bypassing, and power supply decoupling
- With the low impedance performance approaching low ESR tantalum capacitors offers a significant cost savings compared to tantalum capacitors
- Vertical case style make automatic mounting and reflow soldering easy

Specifications:
- Capacitance tolerance: ± 20%
- Temperature range: -55°C to +105°C
- Capacitance range: 3.3μF to 6800μF
- Voltage range: 6.3VDC to 100VDC
- Load life: 2000 hours @ +105°C (4.0-10mm dia)
  5000 hours @ +105°C (12.5-18mm dia)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Case Size D x L (mm)	ESR (Ω) (max) 20°C/100kHz	Ripple (mA rms) 105°C/100kHz	Price Each				Tape and Reel	
						1	50	100	500	Qty.	Price Ea.
6.3 Volt											
5985-AFK6.3V47-F	AFK476M06B12T-F	47	4 x 5.8	1.35	90	.36	.27	.18	.13	2000	.11
5985-AFK6.3V100-F	AFK107M06D16T-F	100	6.3 x 5.8	0.36	240	.48	.36	.24	.18	1000	.16
5985-AFK6.3V330-F	AFK337M06E16T-F	330	8 x 6.2	0.26	300	.79	.59	.39	.29	1000	.27
10 Volt											
5985-AFK10V33-F	AFK336M10B12T-F	33	4 x 5.8	1.35	90	.36	.25	.18	.13	2000	.11
5985-AFK10V220-F	AFK227M10E16T-F	220	8 x 6.2	0.26	300	.79	.59	.39	.29	1000	.27
5985-AFK10V330-F	AFK337M10F24T-F	330	8 x 10.2	0.16	600	1.02	.76	.51	.38	500	.38
5985-AFK10V1000-F	AFK108M10G24T-F	1000	10 x 10.2	0.08	850	1.19	.89	.60	.44	500	.44
16 Volt											
5985-AFK16V22-F	AFK226M16B12T-F	22	4 x 5.8	1.35	90	.36	.27	.18	.13	2000	.11
5985-AFK16V47-F	AFK476M16D16T-F	47	6.3 x 5.8	0.36	240	.48	.33	.24	.18	1000	.16
5985-AFK16V100-F	AFK107M16D16T-F	100	6.3 x 5.8	0.36	240	.48	.33	.24	.18	1000	.16
5985-AFK16V470-F	AFK477M16F24T-F	470	8 x 10.2	0.16	600	1.02	.76	.51	.38	500	.38
5985-AFK16V680-F	AFK687M16G24T-F	680	10 x 10.2	0.08	850	1.19	.89	.60	.44	500	.44
25 Volt											
5985-AFK25V10-F	AFK106M25B12T-F	10	4 x 5.8	1.35	90	.36	.27	.18	.13	2000	.11
5985-AFK25V33-F	AFK336M25C12T-F	33	5 x 5.8	0.7	160	.42	.31	.21	.15	1000	.14
5985-AFK25V100-F	AFK107M25E16T-F	100	8 x 6.2	0.26	300	.79	.59	.39	.29	1000	.27
5985-AFK25V220-F	AFK227M25F24T-F	220	8 x 10.2	0.16	600	1.02	.76	.51	.38	500	.35
5985-AFK25V470-F	AFK477M25G24T-F	470	10 x 10.2	0.08	850	1.19	.89	.60	.44	500	.44
5985-AFK25V1000-F	AFK108M25H32T-F	1000	12.5 x 13.5	0.06	1100	1.95	1.46	.97	.72	200	.97
35 Volt											
5985-AFK35V10-F	AFK106M35B12T-F	10	4 x 5.8	1.35	90	.36	.27	.18	.13	2000	.11
5985-AFK35V47-F	AFK476M35D16T-F	47	6.3 x 5.8	0.36	240	.48	.36	.24	.18	1000	.16
5985-AFK35V220-F	AFK227M35F24T-F	220	8 x 10.2	0.16	600	1.02	.76	.51	.38	500	.38
5985-AFK35V470-F	AFK477M35H32T-F	470	12.5 x 13.5	0.06	1100	1.95	1.46	.99	.72	200	.97
50 Volt											
5985-AFK50V4.7-F	AFK475M50B12T-F	4.7	4 x 5.8	2.9	60	.38	.28	.19	.14	2000	.12
5985-AFK50V10-F	AFK106M50C12T-F	10	5 x 5.8	1.52	85	.44	.33	.22	.16	1000	.15
5985-AFK50V47-F	AFK476M50E16T-F	47	8 x 6.2	0.68	195	.83	.62	.41	.31	1000	.28
5985-AFK50V100-F	AFK107M50F24T-F	100	8 x 10.2	0.34	350	1.07	.80	.53	.39	500	.39
5985-AFK50V220-F	AFK227M50G24T-F	220	10 x 10.2	0.18	670	1.25	.93	.62	.46	500	.46
5985-AFK50V1000-F	AFK108M50P44T-F	1000	16 x 16.5	0.073	1610	3.23	2.42	1.61	-	125	1.61
63 Volt											
5985-AFK63V100-F	AFK107M63G24T-F	100	10 x 10.2	0.35	400	1.25	.93	.62	.46	500	.46
5985-AFK63V220-F	AFK227M63H32T-F	220	12.5 x 13.5	0.16	800	2.04	1.53	1.02	.75	200	1.02
100 Volt											
5985-AFK100V22-F	AFK226M2AF24T-F	22	8 x 10.2	1.3	130	1.07	.80	.53	.39	500	.39
5985-AFK100V68-F	AFK686M2AH32T-F	68	12.5 x 13.5	0.32	500	2.04	1.53	1.02	.75	200	1.02

RoHS Compliant This page of product is compliant.

nichicon UWT 105°C SMD SERIES

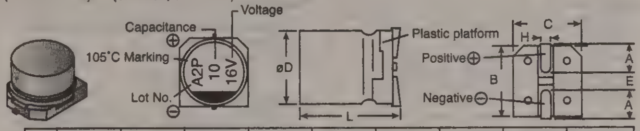
Specifications:

- Operating temperature range: -55 ~ +105° C
- Voltage range: 4 ~ 50V
- Capacitance range: 0.1~ 1500µF
- Capacitance tolerance: ± 20% at 120Hz/ 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3µA), whichever is greater.
- Endurance: 1000 hours @ 105°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

RoHS Compliant



	3 x 5.4	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 5.8	6.3 x 7.7	8 x 5.4	8 x 10	10 x 10
A	1.5	1.8	2.1	2.4	2.4	2.4	3.3	2.9	3.2
B	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
C	3.3	4.3	5.3	6.6	6.6	6.6	8.3	8.3	10.3
E	0.8	1.0	1.3	2.2	2.2	2.2	2.3	3.1	4.5
L	5.4	5.4	5.4	5.4	5.8	7.7	5.4	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 1.1	0.5 ~ 1.1

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price per Piece
4.0 Volt							
647-UWT0G220MCL1B	UWT0G220MCL1GB	22	4 x 5.4	.22	.15	2000	.081
647-UWT0G330MCL1B	UWT0G330MCL1GB	33	5 x 5.4	.25	.18	1000	.10
647-UWT0G470MCL1B	UWT0G470MCL1GB	47	5 x 5.4	.25	.18	1000	.10
647-UWT0G101MCL1B	UWT0G101MCL1GB	100	6.3 x 5.4	.26	.19	1000	.11
647-UWT0G221MCL1B	UWT0G221MCL1GB	220	8 x 5.4	.33	.23	1000	.13
6.3 Volt							
647-UWT0J220MCL1B	UWT0J220MCL1GB	22	4 x 5.4	.22	.15	2000	.081
647-UWT0J330MCL1B	UWT0J330MCL1GB	33	5 x 5.4	.25	.18	1000	.10
647-UWT0J470MCL1B	UWT0J470MCL1GB	47	5 x 5.4	.25	.18	1000	.10
647-UWT0J101MCL1B	UWT0J101MCL1GB	100	6.3 x 5.4	.26	.19	1000	.11
647-UWT0J221MCL1B	UWT0J221MCL1GB	220	8 x 5.4	.28	.20	1000	.11
647-UWT0J331MCL1S	UWT0J331MCL1GS	330	6.3 x 7.7	.36	.26	900	.14
647-UWT0J471MNL1S	UWT0J471MNL1GS	470	8 x 10	.44	.31	500	.179
647-UWT0J681MNL1S	UWT0J681MNL1GS	680	8 x 10	.44	.31	500	.20
647-UWT0J102MNL1S	UWT0J102MNL1GS	1000	8 x 10	.44	.31	500	.20
647-UWT0J152MNL1S	UWT0J152MNL1GS	1500	10 x 10	.56	.40	500	.26
10 Volt							
647-UWT1A220MCL1B	UWT1A220MCL1GB	22	5 x 5.4	.25	.18	1000	.10
647-UWT1A330MCL1B	UWT1A330MCL1GB	33	5 x 5.4	.25	.18	1000	.10
647-UWT1A470MCL1B	UWT1A470MCL1GB	47	6.3 x 5.4	.26	.19	1000	.11
647-UWT1A101MCL1B	UWT1A101MCL1GB	100	6.3 x 5.4	.26	.19	1000	.11
16 Volt							
647-UWT1C100MCL2B	UWT1C100MCL2GB	10	3 x 5.4	.22	.15	2000	.081
647-UWT1C100MCL1B	UWT1C100MCL1GB	10	4 x 5.4	.22	.15	2000	.081
647-UWT1C220MCL1B	UWT1C220MCL1GB	22	5 x 5.4	.25	.18	1000	.10
647-UWT1C330MCL1B	UWT1C330MCL1GB	33	6.3 x 5.4	.26	.19	1000	.11
647-UWT1C470MCL1B	UWT1C470MCL1GB	47	6.3 x 5.4	.26	.19	1000	.11
647-UWT1C101MCL1B	UWT1C101MCL1GB	100	6.3 x 5.4	.26	.19	1000	.11
647-UWT1C221MCL1S	UWT1C221MCL1GS	220	6.3 x 7.7	.36	.26	900	.159
647-UWT1C331MNL1S	UWT1C331MNL1GS	330	8 x 10	.44	.31	500	.20
647-UWT1C471MNL1S	UWT1C471MNL1GS	470	8 x 10	.44	.31	500	.20
647-UWT1C681MNL1S	UWT1C681MNL1GS	680	10 x 10	.57	.40	500	.26
25 Volt							
647-UWT1E4R7MCL2B	UWT1E4R7MCL2GB	4.7	3 x 5.4	.22	.15	2000	.081
647-UWT1E4R7MCL1B	UWT1E4R7MCL1GB	4.7	4 x 5.4	.22	.15	2000	.081
647-UWT1E100MCL1B	UWT1E100MCL1GB	10	5 x 5.4	.25	.18	1000	.10
647-UWT1E220MCL1B	UWT1E220MCL1GB	22	6.3 x 5.4	.26	.19	1000	.11
647-UWT1E330MCL1B	UWT1E330MCL1GB	33	6.3 x 5.4	.26	.19	1000	.11
647-UWT1E470MCL1B	UWT1E470MCL1GB	47	8 x 5.4	.33	.23	1000	.13
647-UWT1E470MCL6S	UWT1E470MCL6GS	47	6.3 x 5.8	.33	.23	1000	.13

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price per Piece
25 Volt (cont.)							
647-UWT1E331MNL1S	UWT1E331MNL1GS	330	8 x 10	.44	.31	500	.20
647-UWT1E471MNL1S	UWT1E471MNL1GS	470	10 x 10	.56	.40	500	.26
35 Volt							
647-UWT1V2R2MCL2B	UWT1V2R2MCL2GB	2.2	3 x 5.4	.22	.15	2000	.081
647-UWT1V3R3MCL2B	UWT1V3R3MCL2GB	3.3	3 x 5.4	.22	.15	2000	.081
647-UWT1V4R7MCL1B	UWT1V4R7MCL1GB	4.7	4 x 5.4	.22	.15	2000	.081
647-UWT1V100MCL1B	UWT1V100MCL1GB	10	5 x 5.4	.25	.18	1000	.10
647-UWT1V220MCL1B	UWT1V220MCL1GB	22	6.3 x 5.4	.26	.19	1000	.11
647-UWT1V330MCL1B	UWT1V330MCL1GB	33	8 x 5.4	.33	.23	1000	.13
647-UWT1V470MCL1S	UWT1V470MCL1GS	47	6.3 x 5.8	.36	.26	1000	.15
647-UWT1V101MCL1S	UWT1V101MCL1GS	100	6.3 x 7.7	.36	.26	900	.159
647-UWT1V221MNL1S	UWT1V221MNL1GS	220	8 x 10	.44	.31	500	.20
647-UWT1V331MNL1S	UWT1V331MNL1GS	330	10 x 10	.56	.40	500	.26
50 Volt							
647-UWT1H0R1MCL2B	UWT1H0R1MCL2GB	0.10	3 x 5.4	.22	.15	2000	.081
647-UWT1H0R1MCL1B	UWT1H0R1MCL1GB	0.10	4 x 5.4	.22	.15	2000	.081
647-UWT1HR22MCL2B	UWT1HR22MCL2GB	0.22	3 x 5.4	.22	.15	2000	.081
647-UWT1HR22MCL1B	UWT1HR22MCL1GB	0.22	4 x 5.4	.22	.15	2000	.081
647-UWT1HR33MCL2B	UWT1HR33MCL2GB	0.33	3 x 5.4	.22	.15	2000	.081
647-UWT1HR33MCL1B	UWT1HR33MCL1GB	0.33	4 x 5.4	.22	.15	2000	.081
647-UWT1HR47MCL2B	UWT1HR47MCL2GB	0.47	3 x 5.4	.22	.15	2000	.081
647-UWT1HR47MCL1B	UWT1HR47MCL1GB	0.47	4 x 5.4	.22	.15	2000	.081
647-UWT1H010MCL2B	UWT1H010MCL2GB	1.0	3 x 5.4	.22	.15	2000	.081
647-UWT1H010MCL1B	UWT1H010MCL1GB	1.0	4 x 5.4	.22	.15	2000	.081
647-UWT1H2R2MCL2B	UWT1H2R2MCL2GB	2.2	3 x 5.4	.22	.15	2000	.081
647-UWT1H2R2MCL1B	UWT1H2R2MCL1GB	2.2	4 x 5.4	.22	.15	2000	.081
647-UWT1H3R3MCL1B	UWT1H3R3MCL1GB	3.3	4 x 5.4	.22	.15	2000	.081
647-UWT1H4R7MCL1B	UWT1H4R7MCL1GB	4.7	5 x 5.4	.25	.18	1000	.10
647-UWT1H100MCL1B	UWT1H100MCL1GB	10	6.3 x 5.4	.26	.19	1000	.11
647-UWT1H220MCL1B	UWT1H220MCL1GB	22	8 x 5.4	.33	.23	1000	.13
647-UWT1H330MCL1S	UWT1H330MCL1GS	33	6.3 x 7.7	.36	.26	900	.159
647-UWT1H470MCL1S	UWT1H470MCL1GS	47	6.3 x 7.7	.36	.26	900	.159
647-UWT1H101MNL1S	UWT1H101MNL1GS	100	8 x 10	.44	.31	500	.20
647-UWT1H221MNL1S	UWT1H221MNL1GS	220	10 x 10	.56	.40	500	.26

nichicon UUD 105°C LOW IMPEDANCE SMD SERIES

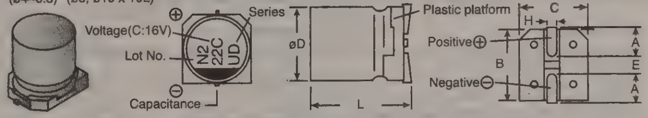
Specifications:

- Operating temperature range: -55 ~ +105° C
- Voltage range: 6.3 ~ 50V
- Capacitance range: 0.1~ 1500µF
- Endurance: 5000 hours (2000 hrs for øD≤6-3A) @ 105°C
- Capacitance tolerance: ± 20% at 120Hz/ 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or (3µA), whichever is greater.

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

RoHS Compliant



	4 x 5.8	5 x 5.8	6.3 x 5.8	6.3 x 7.7	8 x 10	10 x 10
A	1.8	2.1	2.4	2.4	2.9	3.2
B	4.3	5.3	6.6	6.6	8.3	10.3
C	4.3	5.3	6.6	6.6	8.3	10.3
E	1.0	1.3	2.2	2.2	3.1	4.5
L	5.8	5.8	5.8	7.7	10	10
H	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.5 ~ 0.8	0.8 ~ 1.1	0.8 ~ 1.1

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price per Piece
6.3 Volt							
647-UUD0J470MCL	UUD0J470MCL1GS	47	5 x 5.8	.60	.54	1000	.30
647-UUD0J101MCL	UUD0J101MCL1GS	100	6.3 x 5.8	.65	.59	1000	.33
647-UUD0J221MCL	UUD0J221MCL1GS	220	6.3 x 5.8	.65	.59	1000	.33
647-UUD0J331MCL	UUD0J331MCL1GS	330	6.3 x 7.7	.65	.59	900	.33
647-UUD0J681MNL	UUD0J681MNL1GS	680	8 x 10	.83	.75	500	.66
647-UUD0J102MNL	UUD0J102MNL1GS	1000	8 x 10	.83	.75	500	.66
647-UUD0J152MNL	UUD0J152MNL1GS	1500	10 x 10	.90	.81	500	.72
10 Volt							
647-UUD1A220MCL	UUD1A220MCL1GS	22	4 x 5.8	.54	.48	2000	.22
647-UUD1A330MCL	UUD1A330MCL1GS	33	5 x 5.8	.60	.54	1000	.30
647-UUD1A680MCL	UUD1A680MCL1GS	68	6.3 x 5.8	.65	.59	1000	.33
647-UUD1A101MCL	UUD1A101MCL1GS	100	6.3 x 5.8	.65	.59	1000	.33
647-UUD1A471MNL	UUD1A471MNL1GS	470	8 x 10	.83	.75	500	.66
647-UUD1A102MNL	UUD1A102MNL1GS	1000	10 x 10	.90	.81	500	.72
16 Volt							
647-UUD1C470MCL	UUD1C470MCL1GS	47	6.3 x 5.8	.65	.59	1000	.33
647-UUD1C680MCL	UUD1C680MCL1GS	68	6.3 x 5.8	.65	.59	1000	.33
647-UUD1C101MCL	UUD1C101MCL1GS	100	6.3 x 5.8	.65	.59	1000	.33
647-UUD1C221MCL	UUD1C221MCL1GS	220	6.3 x 7.7	.69	.62	900	.35
647-UUD1C331MNL	UUD1C331MNL1GS	330	8 x 10	.83	.75	500	.66
647-UUD1C471MNL	UUD1C471MNL1GS	470	8 x 10	.83	.75	500	.66
647-UUD1C681MNL	UUD1C681MNL1GS	680	10 x 10	.90	.81	500	.72
25 Volt							
647-UUD1E100MCL	UUD1E100MCL1GS	10	4 x 5.8	.54	.48	2000	.22
647-UUD1E220MCL	UUD1E220MCL1GS	22	5 x 5.8	.60	.54	1000	.30
647-UUD1E330MCL	UUD1E330MCL1GS	33	6.3 x 5.8	.65	.59	1000	.33
647-UUD1E470MCL	UUD1E470MCL1GS	47	6.3 x 5.8	.65	.59	1000	.33
647-UUD1E680MCL	UUD1E680MCL1GS	68	6.3 x 5.8	.65	.59	1000	.33
647-UUD1E101MCL	UUD1E101MCL1GS	100	6.3 x 7.7	.69	.62	900	.35

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part Number	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price per Piece
25 Volt (cont.)							
647-UUD1E221MNL	UUD1E221MNL1GS	220	8 x 10	.83	.75	500	.66
647-UUD1E331MNL	UUD1E331MNL1GS	330	8 x 10	.83	.75	500	.66
647-UUD1E471MNL	UUD1E471MNL1GS	470	10 x 10	.90	.81	500	.72
35 Volt							
647-UUD1V4R7MCL	UUD1V4R7MCL1GS	4.7	4 x 5.8	.54	.48	2000	.22
647-UUD1V100MCL	UUD1V100MCL1GS	10	5 x 5.8	.60	.54	1000	.30
647-UUD1V220MCL	UUD1V220MCL1GS	22	5 x 5.8	.60	.54	1000	.30
647-UUD1V330MCL	UUD1V330MCL1GS	33	6.3 x 5.8	.65	.59	1000	.33
647-UUD1V470MCL	UUD1V470MCL1GS	47	6.3 x 5.8	.65	.59	1000	.33
647-UUD1V680MCL	UUD1V680MCL1GS	68	6.3 x 7.7	.69	.62	900	.35
647-UUD1V101MNL	UUD1V101MNL1GS	100	8 x 10	.83	.75	500	.66
647-UUD1V221MNL	UUD1V221MNL1GS	220	8 x 10	.83	.75	500	.66
647-UUD1V331MNL	UUD1V331MNL1GS	330	10 x 10	.90	.81	500	.72
50 Volt							
647-UUD1H010MCL	UUD1H010MCL1GS	1.0	4 x 5.8	.54	.48	2000	.22
647-UUD1H2R2MCL	UUD1H2R2MCL1GS	2.2	4 x 5.8	.54	.48	2000	.22
647-UUD1H3R3MCL	UUD1H3R3MCL1GS	3.3	4 x 5.8	.54	.48	2000	.22
647-UUD1H4R7MCL	UUD1H4R7MCL1GS	4.7	5 x 5.8	.60	.54	1000	.30
647-UUD1H100MCL	UUD1H100MCL1GS	10	6.3 x 5.8	.65	.59	1000	.33
647-UUD1H220MCL	UUD1H220MCL1GS	22	6.3 x 5.8	.65	.59	1000	.33
647-UUD1H330MCL	UUD1H330MCL1GS	33	6.3 X 7.7	.69	.62	900	.35
647-UUD1H470MCL	UUD1H470MCL1GS	47	6.3 x 7.7	.69	.62	900	.35
647-UUD1H680MNL	UUD1H680MNL1GS	68	8 x 10	.83	.75	500	.66
647-UUD1H101MNL	UUD1H101MNL1GS	100	8 x 10	.83	.75	500	.66
647-UUD1H221MNL	UUD1H221MNL1GS	220	10 x 10	.90	.81	500	.72

RoHS Compliant **This page of product is compliant.**

nichicon UWX 85°C SMD GENERAL PURPOSE SERIES

Specifications:

- Operating Temperature Range: -40°C ~ +85°C
- Voltage Range: UWP: 4V ~ 50V
- Capacitance Range: 0.1 ~ 330µF
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3µA, which ever is greater.

Endurance:

- 2000 hours @ 85°C

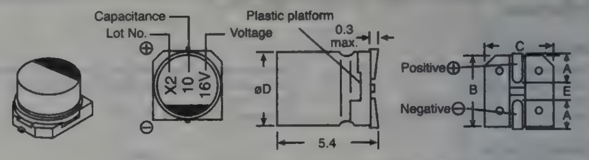
Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.4mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

RoHS Compliant



DIMENSIONS: mm					
øD	3	4	5	6.3	8
A	1.5	1.8	2.1	2.4	3.3
B	3.3	4.3	5.3	6.6	8.3
C	3.3	4.3	5.3	6.6	8.3
E	0.8	1.0	1.3	2.2	2.3

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price Per Piece
4 Volt							
647-UWX0G220MCL2	UWX0G220MCL2GB	22	3 X 5.4	.17	.12	2000	.06
647-UWX0G330MCL1	UWX0G330MCL1GB	33	4 X 5.4	.17	.12	2000	.06
647-UWX0G470MCL1	UWX0G470MCL1GB	47	4 X 5.4	.17	.12	2000	.06
647-UWX0G101MCL1	UWX0G101MCL1GB	100	5 X 5.4	.17	.12	1000	.065
647-UWX0G221MCL1	UWX0G221MCL1GB	220	6.3 X 5.4	.28	.11	1000	.082
6.3 Volt							
647-UWX0J220MCL2	UWX0J220MCL2GB	22	3 X 5.4	.16	.12	2000	.059
647-UWX0J220MCL1	UWX0J220MCL1GB	22	4 X 5.4	.16	.12	2000	.059
647-UWX0J330MCL1	UWX0J330MCL1GB	33	5 X 5.4	.17	.12	1000	.065
647-UWX0J470MCL1	UWX0J470MCL1GB	47	5 X 5.4	.17	.12	1000	.06
647-UWX0J101MCL1	UWX0J101MCL1GB	100	6.3 X 5.4	.17	.12	1000	.065
647-UWX0J221MCL1	UWX0J221MCL1GB	220	8 X 5.4	.32	.12	1000	.091
647-UWX0J331MCL1	UWX0J331MCL1GB	330	8 X 5.4	.32	.12	1000	.091
10 Volt							
647-UWX1A220MCL1	UWX1A220MCL1GB	22	5 X 5.4	.16	.12	1000	.059
647-UWX1A330MCL1	UWX1A330MCL1GB	33	5 X 5.4	.17	.12	1000	.065
647-UWX1A470MCL1	UWX1A470MCL1GB	47	6.3 X 5.4	.17	.12	1000	.065
647-UWX1A101MCL1	UWX1A101MCL1GB	100	6.3 X 5.4	.17	.12	1000	.065
647-UWX1A221MCL1	UWX1A221MCL1GB	220	8 X 5.4	.32	.12	1000	.091
16 Volt							
647-UWX1C100MCL2	UWX1C100MCL2GB	10	3 X 5.4	.16	.12	2000	.059
647-UWX1C100MCL1	UWX1C100MCL1GB	10	4 X 5.4	.16	.12	2000	.059
647-UWX1C220MCL1	UWX1C220MCL1GB	22	5 X 5.4	.16	.12	1000	.059
647-UWX1C330MCL1	UWX1C330MCL1GB	33	6.3 X 5.4	.20	.14	1000	.07
647-UWX1C470MCL1	UWX1C470MCL1GB	47	6.3 X 5.4	.18	.12	1000	.065
647-UWX1C101MCL1	UWX1C101MCL1GB	100	6.3 X 5.4	.20	.14	1000	.07
25 Volt							
647-UWX1E4R7MCL2	UWX1E4R7MCL2GB	4.7	3 X 5.4	.16	.12	2000	.059
647-UWX1E4R7MCL1	UWX1E4R7MCL1GB	4.7	4 X 5.4	.16	.12	2000	.059
647-UWX1E100MCL1	UWX1E100MCL1GB	10	5 X 5.4	.17	.12	1000	.065
647-UWX1E220MCL1	UWX1E220MCL1GB	22	6.3 X 5.4	.20	.14	1000	.07
25 Volt (cont.)							
647-UWX1E330MCL1	UWX1E330MCL1GB	33	6.3 X 5.4	.22	.16	1000	.079
647-UWX1E470MCL1	UWX1E470MCL1GB	47	8 X 5.4	.25	.17	1000	.085
647-UWX1E101MCL1	UWX1E101MCL1GB	100	8 X 5.4	.33	.23	1000	.115
35 Volt							
647-UWX1V2R2MCL2	UWX1V2R2MCL2GB	2.2	3 X 5.4	.16	.12	2000	.059
647-UWX1V3R3MCL2	UWX1V3R3MCL2GB	3.3	3 X 5.4	.16	.12	2000	.059
647-UWX1V4R7MCL1	UWX1V4R7MCL1GB	4.7	4 X 5.4	.16	.12	2000	.059
647-UWX1V100MCL1	UWX1V100MCL1GB	10	5 X 5.4	.17	.12	1000	.065
647-UWX1V220MCL1	UWX1V220MCL1GB	22	6.3 X 5.4	.20	.14	1000	.07
647-UWX1V330MCL1	UWX1V330MCL1GB	33	8 X 5.4	.25	.18	1000	.089
647-UWX1V470MCL1	UWX1V470MCL1GB	47	8 X 5.4	.25	.18	1000	.089
50 Volt							
647-UWX1H0R1MCL2	UWX1H0R1MCL2GB	0.1	3 X 5.4	.17	.12	2000	.06
647-UWX1H0R1MCL1	UWX1H0R1MCL1GB	0.1	4 X 5.4	.17	.12	2000	.06
647-UWX1HR22MCL2	UWX1HR22MCL2GB	0.22	3 X 5.4	.17	.12	2000	.06
647-UWX1HR22MCL1	UWX1HR22MCL1GB	0.22	4 X 5.4	.17	.12	2000	.06
647-UWX1HR33MCL2	UWX1HR33MCL2GB	0.33	3 X 5.4	.17	.12	2000	.06
647-UWX1HR33MCL1	UWX1HR33MCL1GB	0.33	4 X 5.4	.17	.12	2000	.06
647-UWX1HR47MCL2	UWX1HR47MCL2GB	0.47	3 X 5.4	.17	.12	2000	.06
647-UWX1HR47MCL1	UWX1HR47MCL1GB	0.47	4 X 5.4	.17	.12	2000	.06
647-UWX1H010MCL2	UWX1H010MCL2GB	1.0	3 X 5.4	.17	.12	2000	.06
647-UWX1H010MCL1	UWX1H010MCL1GB	1.0	4 X 5.4	.17	.12	2000	.06
647-UWX1H2R2MCL2	UWX1H2R2MCL2GB	2.2	3 X 5.4	.17	.12	2000	.065
647-UWX1H2R2MCL1	UWX1H2R2MCL1GB	2.2	4 X 5.4	.17	.12	2000	.065
647-UWX1H3R3MCL1	UWX1H3R3MCL1GB	3.3	4 X 5.4	.18	.13	2000	.061
647-UWX1H4R7MCL1	UWX1H4R7MCL1GB	4.7	5 X 5.4	.19	.13	1000	.061
647-UWX1H100MCL1	UWX1H100MCL1GB	10	6.3 X 5.4	.20	.14	1000	.07
647-UWX1H220MCL1	UWX1H220MCL1GB	22	8 X 5.4	.32	.12	1000	.091
647-UWX1H330MCL1	UWX1H330MCL1GB	33	8 X 5.4	.28	.19	1000	.091

nichicon UWP 85°C BI-POLAR SMD SERIES

Specifications:

- Operating Temperature Range: -40°C ~ +85°C
- Voltage Range: UWP: 6.3V ~ 50V
- Capacitance Range: 0.1 ~ 330µF
- Capacitance Tolerance: ±20% @ 120Hz, 20°C
- Leakage current: After 2 minutes application of rated voltage, leakage current is not more than 0.05CV or 10µA, which ever is greater.

Endurance:

- 1000 hours @ 85°C with polarity inverted every 250 hours.

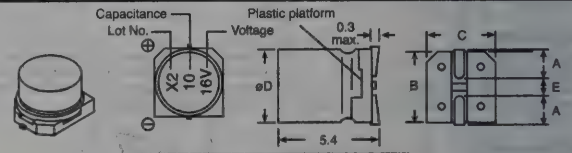
Features:

- Designed for surface mounting on a high density PC board
- SMD type with 5.4mm height

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

RoHS Compliant



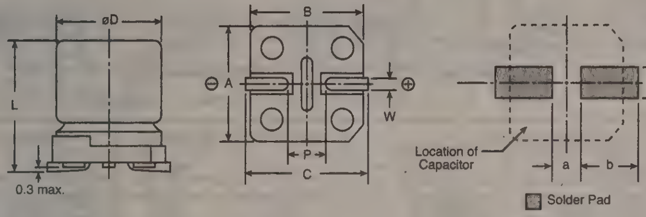
DIMENSIONS: mm				
øD	4	5	6.3	8
A	1.8	2.1	2.4	3.3
B	4.3	5.3	6.6	8.3
C	4.3	5.3	6.6	8.3
E	1.0	1.3	2.2	2.3

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm)	Price Each		Tape and Reel	
				1	100	Reel Qty.	Price Per Piece
6.3 Volt							
647-UWP0J220MCL	UWP0J220MCL1GB	22	5 X 5.4	.45	.34	1000	.22
647-UWP0J330MCL	UWP0J330MCL1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J470MCL	UWP0J470MCL1GB	47	6.3 X 5.4	.47	.35	1000	.23
647-UWP0J101MCL	UWP0J101MCL1GB	100	8 X 5.4	.48	.36	1000	.24
10 Volt							
647-UWP1A100MCL	UWP1A100MCL1GB	10	4 X 5.4	.39	.29	2000	.19
647-UWP1A220MCL	UWP1A220MCL1GB	22	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A330MCL	UWP1A330MCL1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1A470MCL	UWP1A470MCL1GB	47	8 X 5.4	.48	.36	1000	.24
16 Volt							
647-UWP1C4R7MCL	UWP1C4R7MCL1GB	4.7	4 X 5.4	.39	.29	2000	.19
647-UWP1C100MCL	UWP1C100MCL1GB	10	5 X 5.4	.45	.34	1000	.22
647-UWP1C220MCL	UWP1C220MCL1GB	22	6.3 X 5.4	.47	.35	1000	.23
647-UWP1C330MCL	UWP1C330MCL1GB	33	6.3 X 5.4	.47	.35	1000	.23
647-UWP1C470MCL	UWP1C470MCL1GB	47	8 X 5.4	.48	.36	1000	.24
25 Volt							
647-UWP1E3R3MCL	UWP1E3R3MCL1GB	3.3	5 X 5.4	.39	.29	1000	.20
647-UWP1E4R7MCL	UWP1E4R7MCL1GB	4.7	5 X 5.4	.45	.34	1000	.22
25 Volt (cont.)							
647-UWP1E100MCL	UWP1E100MCL1GB	10	6.3 X 5.4	.47	.35	1000	.23
647-UWP1E220MCL	UWP1E220MCL1GB	22	8 X 5.4	.48	.36	1000	.24
647-UWP1E330MCL	UWP1E330MCL1GB	33	8 X 5.4	.48	.36	1000	.24
35 Volt							
647-UWP1V2R2MCL	UWP1V2R2MCL1GB	2.2	4 X 5.4	.43	.32	2000	.21
647-UWP1V3R3MCL	UWP1V3R3MCL1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1V4R7MCL	UWP1V4R7MCL1GB	4.7	5 X 5.4	.45	.34	1000	.22
647-UWP1V100MCL	UWP1V100MCL1GB	10	6.3 X 5.4	.47	.35	1000	.23
647-UWP1V220MCL	UWP1V220MCL1GB	22	8 X 5.4	.48	.36	1000	.24
50 Volt							
647-UWP1H0R1MCL	UWP1H0R1MCL1GB	0.1	4 X 5.4	.39	.29	2000	.19
647-UWP1HR22MCL	UWP1HR22MCL1GB	0.22	4 X 5.4	.39	.29	2000	.19
647-UWP1HR33MCL	UWP1HR33MCL1GB	0.33	4 X 5.4	.39	.29	2000	.19
647-UWP1HR47MCL	UWP1HR47MCL1GB	0.47	4 X 5.4	.39	.29	2000	.19
647-UWP1H010MCL	UWP1H010MCL1GB	1.0	4 X 5.4	.39	.29	2000	.19
647-UWP1H2R2MCL	UWP1H2R2MCL1GB	2.2	5 X 5.4	.45	.34	1000	.22
647-UWP1H3R3MCL	UWP1H3R3MCL1GB	3.3	5 X 5.4	.45	.34	1000	.22
647-UWP1H4R7MCL	UWP1H4R7MCL1GB	4.7	6.3 X 5.4	.47	.35	1000	.23
647-UWP1H100MCL	UWP1H100MCL1GB	10	8 X 5.4	.48	.36	1000	.24

UNITED CHEMI-CON Aluminum Electrolytic Capacitors

UNITED CHEMI-CON



Case and Solder Pad Dimensions for MKA Series

Case Code	øD ±0.5	L	A ±0.2	B ±0.2	C ±0.2	W	P	a	b	c
D55	ø4	5.2±0.3	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6
E55	ø5	5.2±0.3	5.3	5.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6
F55	ø6.3	5.2±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F80	ø6.3	7.7±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
H63	ø8	6.3±0.5	8.3	8.3	9.0	0.5-0.8	2.3	2.3	4.5	1.6
H10	ø8	10±0.5	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
J10	ø10	10±0.5	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2

Case and Solder Pad Dimensions for MV/MVK Series

Case Code	øD ±0.5	L	A ±0.2	B ±0.2	C ±0.2	W	P	a	b	c
B55	ø3	5.2±0.3	3.3	3.3	3.7	0.45-0.75	0.8	0.8	2.2	1.6
D55	ø4	5.2±0.3	4.3	4.3	5.1	0.5-0.8	1.0	1.0	2.6	1.6
E55	ø5	5.2±0.3	5.3	6.3	5.9	0.5-0.8	1.4	1.4	3.0	1.6
F55	ø6.3	5.2±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
F60	ø6.3	5.7±0.3	6.6	6.6	7.2	0.5-0.8	1.9	1.9	3.5	1.6
8x6	ø8	6.3±0.5	8.3	8.3	9.0	0.5-0.8	2.3	2.3	4.5	1.6
8x10	ø8	10±0.5	8.3	8.3	9.0	0.7-1.1	3.1	3.1	4.2	2.2
10x10	ø10	10±0.5	10.3	10.3	11.0	0.7-1.1	4.5	4.5	4.4	2.2

UNITED CHEMI-CON MKA SERIES SMD CAPACITORS

LEAD-FREE

Specifications:

- Operating Temperature Range: -40°C to +105°C
- Voltage Range: 6.3 to 50VDC
- Capacitance Range: 0.1 to 1,000uF
- Capacitance Tolerance: ± 20% at +20°C, 120Hz
- Rated Lifetime: 1000-2000 hours depending on case size
- Leakage Current: .01CV or 3μA,whichever is greater, after 2 minutes at +20°C

Features:

- Solvent proof
- Designed for lead free, high temperature reflow soldering

RoHS Compliant

105°C SMD (Lead Free)

6.3 Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each			
				1	100	500	1000
661-MKA6.3V22RM	EMKA6R3ADA220MD55G	22	4 x 5.2	.16	.14	.13	.11
661-MKA6.3VC47RM	EMKA6R3ADA470ME55G	47	5 x 5.2	.18	.16	.15	.12
661-MKA6.3VC101M	EMKA6R3ADA101MF55G	100	6.3 x 5.2	.23	.20	.19	.15
661-MKA6.3VC331M	EMKA6R3ADA331MHA0G	330	8 x 10	.38	.34	.31	.26
661-MKA6.3VC102M	EMKA6R3ADA102MJA0G	1,000	10 x 10	.63	.56	.52	.42

10 Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each			
				1	100	500	1000
661-MKA10VC33RM	EMKA100ADA330ME55G	33	5 x 5.2	.18	.16	.15	.12
661-MKA10VC101M	EMKA100ADA101MF80G	100	6.3 x 7.7	.28	.25	.23	.19
661-MKA10VC221M	EMKA100ADA221MHA0G	220	8 x 10	.49	.43	.39	.32

16 Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each			
				1	100	500	1000
661-MKA16VC10RM	EMKA160ADA100MD55G	10	4 x 5.2	.38	.34	.31	.26
661-MKA16VC22RM	EMKA160ADA220ME55G	22	5 x 5.2	.16	.14	.13	.11
661-MKA16VC47RM	EMKA160ADA470MF55G	47	6.3 x 5.2	.18	.16	.15	.12
661-MKA16VC471M	EMKA160ADA471MJA0G	470	10 x 10	.63	.56	.52	.42

25 Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each			
				1	100	500	1000
661-MKA25VC33RM	EMKA250ADA330MF55G	33	6.3 x 5.2	.23	.20	.19	.15
661-MKA25VC47RM	EMKA250ADA470MF80G	47	6.3 x 7.7	.28	.25	.23	.19
661-MKA25VC101M	EMKA250ADA101MHA0G	100	8 x 10	.38	.34	.31	.26
661-MKA25VC331M	EMKA250ADA331MJA0G	330	10 x 10	.63	.56	.52	.42

35 Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each			
				1	100	500	1000
661-MKA35VC4R7M	EMKA350ADA4R7MD55G	4.7	4 x 5.2	.16	.14	.13	.11
661-MKA35VC10RM	EMKA350ADA100ME55G	10	5 x 5.2	.18	.16	.15	.12
661-MKA35VC22RM	EMKA350ADA220MF55G	22	6.3 x 5.2	.23	.20	.19	.15
661-MKA35VC33RM	EMKA350ADA330MF80G	33	6.3 x 7.7	.28	.25	.23	.19
661-MKA35VC221M	EMKA350ADA221MJA0G	220	10 x 10	.63	.56	.52	.42

50 Volt

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each			
				1	100	500	1000
661-MKA50VCR10M	EMKA500ADAR10MD55G	0.1	4 x 5.2	.16	.14	.13	.11
661-MKA50VCR22M	EMKA500ADAR22MD55G	0.22	4 x 5.2	.16	.14	.13	.11
661-MKA50VCR33M	EMKA500ADAR33MD55G	0.33	4 x 5.2	.16	.14	.13	.11
661-MKA50VCR47M	EMKA500ADAR47MD55G	0.47	4 x 5.2	.16	.14	.13	.11
661-MKA50VC1R0M	EMKA500ADA1R0MD55G	1	4 x 5.2	.16	.14	.13	.11
661-MKA50VC2R2M	EMKA500ADA2R2MD55G	2.2	4 x 5.2	.16	.14	.13	.11
661-MKA50VC3R3M	EMKA500ADA3R3MD55G	3.3	4 x 5.2	.16	.14	.13	.11
661-MKA50VC4R7M	EMKA500ADA4R7ME55G	4.7	5 x 5.2	.18	.16	.15	.12
661-MKA50VC10RM	EMKA500ADA100MF55G	10	6.3 x 5.2	.23	.20	.19	.15
661-MKA50VC22RM	EMKA500ADA220MF80G	22	6.3 x 7.7	.28	.25	.23	.19
661-MKA50VC33RM	EMKA500ADA330MHA0G	33	8 x 10	.38	.34	.31	.26
661-MKA50VC47RM	EMKA500ADA470MHA0G	47	8 x 10	.38	.34	.31	.26
661-MKA50VC101M	EMKA500ADA101MJA0G	100	10 x 10	.63	.56	.52	.42

UNITED CHEMI-CON MV/MVK SERIES SMD CAPACITORS

The MV and MVK series are the standard vertical chip capacitors designed for reflow soldering. The maximum height for most of these capacitors is 5.5mm, making them ideal for use in low profile situations.

RoHS Compliant

Specifications:

- Operating Temperature Range: -40°C to +85°C for MV Series,
  -40°C to +105°C for MVK Series
- Voltage Range: 4 to 63VDC for MV Series
- Voltage Range: 6.3 to 50VDC for MVK Series

Features:

- Capacitance Range: 0.1 to 1,000uF
- Capacitance Tolerance: ± 20% at +20°C, 120Hz
- Rated Lifetime: 1000-2000 hours depending on case size

MV 85° SMD Series

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D x L (mm)	Price Each			
				1	100	500	1000
6.3 Volts							
661-MV6.3VC101MF55TP	EMV-6R3ADA101MF55G	100	6.3 X 5.2	.41	.29	.20	.17
661-MV6.3VC471MTP	EMV-6R3ADA471MHA0G	470	8 X 10	.61	.42	.30	.24
10 Volts							
661-MV10VC101M	EMV-100ADA101MF60G	100	6.3 X 5.7	.30	.21	.15	.12
16 Volts							
661-MV16VC10RM	EMV-160ADA100MD60G	10	4 X 5.2	.18	.16	.13	.12
661-MV16VC22RM	EMV-160ADA220ME55G	22	5 X 5.2	.51	.35	.25	.21
661-MV16VC47RMF55TP	EMV-160ADA470MF55G	47	6.3 X 5.2	.21	.15	.11	.09
661-MV16VC68RM	EMV-160ADA680MF60G	68	6.3 X 5.7	.61	.42	.30	.24
661-MV16VC101MF55TP	EMV-160ADA101MF55G	100	6.3 X 5.2	.40	.28	.20	.17
661-MV16VC221M	EMV-160ADA221MHA0G	220	8 X 10	1.22	.86	.62	.51
661-MV16VC331M8X10TP	EMV-160ADA331MHA0G	330	8 X 10	1.25	.88	.63	.52
661-MV16VC471M	EMV-160ADA471MJA0G	470	10 X 10	1.32	.92	.66	.54
25 Volts							
661-MV25VC4R7MB55TP	EMV-250ADA4R7MB55G	4.7	3 X 5.2	.17	.11	.08	.07
661-MV25VC22RM	EMV-250ADA220MF55G	22	6.3 X 5.2	.25	.18	.13	.11
661-MV25VC33RM	EMV-250ADA330MF55G	33	6.3 X 5.2	.24	.17	.12	.10
661-MV25VC47RM	EMV-250ADA470MF60G	47	6.3 X 5.7	.62	.43	.31	.25
661-MV25VC101M	EMV-250ADA101MH63G	100	8 X 6	1.07	.75	.54	.44
35 Volts							
661-MV35VC10RME55TP	EMV-350ADA100ME55G	10	5 X 5.2	.26	.19	.13	.11
661-MV35VC22RM	EMV-350ADA220MF55G	22	6.3 X 5.2	.25	.18	.13	.11
661-MV35VC47RM	EMV-350ADA470MH63G	47	8 X 6	1.06	.74	.53	.43
50 Volts							
661-MV50VC1R0M	EMV-500ADA1R0MD55G	1	3 X 5.2	.21	.17	.15	.11
661-MV50VC2R2M	EMV-500ADA2R2MD55G	2.2	4 X 5.2	.50	.35	.25	.21
661-MV50VC10RM	EMV-500ARB100MF55G	10	6.3 X 5.2	.25	.18	.12	.10
661-MV50VC101M	EMV-500ADA101MJA0G	100	10 X 10	1.32	.92	.66	.54

MVK 105° SMD Series

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	Case Size D X L (mm)	Price Each			
				1	100	500	1000
6.3 Volts							
661-MVK6.3VC331M	EMVK6R3ADA331MHA0G	330	8 X 10	.67	.47	.33	.28
10 Volt							
661-MVK10VC33RME55TP	EMVK100ADA330ME55G	33	5x5.2	.28	.20	.14	.12
661-MVK10VC101M	EMVK100ADA101MH63G	100	8x6	.29	.22	.17	.14
16 Volts							
661-MVK16VC10RMD55TP	EMVK160ADA100MD55G	10	4 X 5.2	.18	.12	.09	.07
661-MVK16VC47RMF55TP	EMVK160ADA470MF55G	47	6.3 X 5.2	.53	.36	.26	.22
25 Volts							
661-MVK25VC33RMF55TP	EMVK250ADA330MF55G	33	6.3 X 5.2	.28	.20	.14	.11
661-MVK25VC47RM	EMVK250ADA470MH63G	47	8X6.3	.28	.20	.14	.12
661-MVK25VC101M	EMVK250ADA101MHA0G	100	8 X 10	.40	.28	.24	.20
661-MVK25VC331M	EMVK250ADA331MJA0G	330	10X10	.48	.34	.24	.20
35 Volts							
661-MVK35VC22RMF60TP	EMVK350ARB220MF60G	22	6.3 X 5.7	.32	.22	.15	.13
661-MVK35VC33RM	EMVK350ADA330MH63G	33	8 X 6	.95	.66	.47	.39
661-MVK35VC47RM	EMVK350ADA470MHA0G	47	8 X 10	1.32	.92	.66	.54
661-MVK35VC101MTP	EMVK350ADA101MJA0G	100	10 X 10	.99	.69	.50	.41
661-MVK35VC221MTP	EMVK350ADA221MJA0G	220	10 X 10	.56	.41	.30	.25
50 Volts							
661-MVK50VC1R0M	EMVK500ADA1R0MD55G	1	4 X 5.2	.24	.20	.18	.13
661-MVK50VC2R2M	EMVK500ADA2R2MD55G	2.2	4 X 5.2	.24	.20	.18	.13
661-MVK50VC3R3M	EMVK500ADA3R3MD55G	3.3	4 X 5.2	.25	.21	.19	.14
661-MVK50VC10RM	EMVK500ADA100MF55G	10	6.3 X 5.2	.51	.35	.25	.21
661-MVK50VC47RM8X10T	EMVK500ADA470MHA0G	47	8 X 10	.48	.34	.24	.20
661-MVK50VC101M10X10	EMVK500ADA101MJA0G	100	10 X 10	.77	.54	.39	.32

UNITED CHEMI-CON MVH 125°C SMD Aluminum Series

RoHS Compliant **This page of product is compliant.**

UCC ALUMINUM SERIES (LEAD FREE/ROHS COMPLIANT)

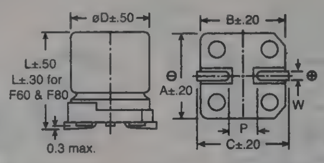
The MVH series is suitable for automotive and other high temperature applications.

Specifications:
- Operating Temperature: -40°C to +125°C
- Voltage Range: 10 to 450VDC
- Capacitance Range: 3.3 to 4700µF
- Capacitance Tolerance: ±20%
- Rated Lifetime:
  F60 to H63 (10~100VDC): 1000 hrs. @ 125°C
  HA0 to JA0 (10~100VDC): 2000 hrs. @ 125°C
  KE0 to MN0 (10~100VDC): 5000 hrs. @ 125°C
  KE0 to MN0 (160~450VDC): 2000 hrs. @ 125°C

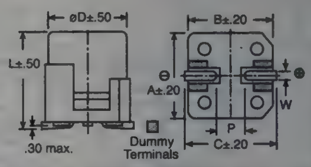
RoHS Compliant

Features: • High heat resistance to reflow soldering • Lead free design • Solvent proof (10-50V)

F60 to KG5



LH0 to MN0



MVH Series

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (µF)	Case Code	Case Dimensions (mm)							Max ESR (MΩ) @ 100kHZ		Price Each		
				øD	L	A	B	C	W	P	20°C	-40°C	1	10	25
10 Volts															
661-MVH10V101M	EMVH100ADA101MH63G	100	H63	8	6.3	8.3	8.30	9.0	0.5-0.8	2.3	0.90	14.0	.25	.20	.19
661-MVH10V221M	EMVH100ADA221MHA0G	220	HA0	8	10.0	8.3	8.3	9.0	0.7-1.1	3.1	0.40	6.0	.36	.30	.27
661-MVH10V331M	EMVH100ADA331MJA0G	330	JA0	10	10.0	10.3	10.3	11.0	0.7-1.1	4.5	0.30	4.5	.62	.51	.47
661-MVH10V102M	EMVH100ARA102MKE0S	1000	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.14	2.1	1.10	.91	.84
661-MVH10V222M	EMVH100GDA222MLH0S	2200	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.1	1.5	1.63	1.34	1.24
661-MVH10V222MH	EMVH100GDA222MMH0S	2200	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	0.1	1.5	1.95	1.61	1.49
661-MVH10V332M	EMVH100GDA332MMH0S	3300	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	0.1	1.5	1.95	1.61	1.49
661-MVH10V472M	EMVH100GDA472MMN0S	4700	MN0	18	21.5	19.0	19.0	20.0	1.0-1.3	6.5	0.058	0.87	2.25	1.85	1.72
16 Volts															
661-MVH16V470M	EMVH160ADA470MF60G	47	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.6	24.0	.19	.15	.14
661-MVH16V471M	EMVH160ARA471MKE0S	470	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.14	2.1	1.08	.88	.82
661-MVH16V681M	EMVH160ARA681MKE0S	680	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.14	2.1	1.12	.92	.85
661-MVH16V681ML	EMVH160GDA681MLH0S	680	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.1	1.5	1.65	1.36	1.26
661-MVH16V102M	EMVH160GDA102MMH0S	1000	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	0.1	1.5	1.95	1.61	1.49
661-MVH16V222M	EMVH160GDA222MMH0S	2200	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	0.1	1.5	1.96	1.61	1.49
25 Volts															
661-MVH25V330M	EMVH250ADA330MF60G	33	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.6	24.0	.19	.15	.14
661-MVH25V470M	EMVH250ADA470MF80G	47	F80	6.3	7.7	6.6	6.6	7.2	0.5-0.8	1.9	0.90	14.0	.19	.16	.15
661-MVH25V470MH	EMVH250ADA470MH63G	47	H63	8	6.3	8.3	8.3	9.0	0.5-0.8	2.3	0.90	14.0	.23	.19	.18
661-MVH25V101M	EMVH250ADA101MHA0G	100	HA0	8	10.0	8.3	8.3	9.0	0.7-1.1	3.1	0.40	6.0	.36	.30	.27
661-MVH25V221M	EMVH250ADA221MJA0G	220	JA0	10	10.0	10.3	10.3	11.0	0.7-1.1	4.5	0.30	4.5	.62	.51	.47
661-MVH25V331M	EMVH250ARA331MKE0S	330	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.14	2.1	1.10	.91	.84
661-MVH25V471M	EMVH250ARA471MKE0S	470	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.14	2.1	1.12	.92	.85
661-MVH25V471ML	EMVH250GDA471MLH0S	470	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.1	1.5	1.65	1.36	1.26
661-MVH25V681M	EMVH250GDA681MLH0S	680	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.1	1.5	1.65	1.36	1.26
661-MVH25V681MH	EMVH250GDA681MMH0S	680	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	0.1	1.5	1.94	1.59	1.48
661-MVH25V102M	EMVH250GDA102MMN0S	1000	MN0	18	21.5	19.0	19.0	20.0	1.0-1.3	6.5	0.058	0.87	2.08	1.71	1.59
35 Volts															
661-MVH35V100M	EMVH350ADA100MF60G	10	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.6	24.0	.17	.14	.13
661-MVH35V220M	EMVH350ADA220MF60G	22	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	1.6	24.0	.17	.14	.13
661-MVH35V330M	EMVH350ADA330MF80G	33	F80	6.3	7.7	6.6	6.6	7.2	0.5-0.8	1.9	0.90	14.0	.19	.16	.15
661-MVH35V330MH	EMVH350ADA330MH63G	33	H63	8	6.3	8.3	8.3	9.0	0.5-0.8	2.3	0.90	14.0	.26	.19	.18
661-MVH35V470M	EMVH350ADA470MHA0G	47	HA0	8	10.0	8.3	8.3	9.0	0.7-1.1	3.1	0.40	6.0	.34	.28	.26
661-MVH35V101M	EMVH350ADA101MJA0G	100	JA0	10	10.0	10.3	10.3	11.0	0.7-1.1	4.5	0.30	4.5	.62	.51	.47
661-MVH35V331M	EMVH350ARA331MKE0S	330	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.14	2.1	1.10	.91	.84
661-MVH35V331ML	EMVH350GDA331MLH0S	330	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.1	1.5	1.12	.92	.85
661-MVH35V471M	EMVH350ARA471MKG5S	470	KG5	12.5	16.0	13.0	13.0	13.7	1.0-1.3	4.2	0.11	1.5	1.20	.99	.92
661-MVH35V471ML	EMVH350GDA471MLH0S	470	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.1	1.5	1.68	1.38	1.28
661-MVH35V681M	EMVH350GDA681MMH0S	680	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	0.1	1.5	1.95	1.61	1.49
50 Volts															
661-MVH50V100M	EMVH500ADA100MF60G	10	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	2.8	42.0	.17	.14	.13
661-MVH50V220M	EMVH500ADA220MF80G	22	F80	6.3	7.7	6.6	6.6	7.2	0.5-0.8	1.9	2.0	30.0	.19	.16	.15
661-MVH50V220MH	EMVH500ADA220MH63G	22	H63	8	6.3	8.3	8.3	9.0	0.5-0.8	2.3	1.6	30.0	.21	.17	.16
661-MVH50V330M	EMVH500ADA330MHA0G	33	HA0	8	10.0	8.3	8.3	9.0	0.7-1.1	3.1	0.70	11.0	.34	.28	.26
661-MVH50V470M	EMVH500ADA470MJA0G	47	JA0	10	10.0	10.3	10.3	11.0	0.7-1.1	4.5	0.50	7.5	.52	.42	.39
661-MVH50V101M	EMVH500ARA101MKE0S	100	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.23	3.5	1.03	.85	.79
661-MVH50V221M	EMVH500ARA221MKE0S	220	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.23	3.5	1.06	.87	.81
661-MVH50V221ML	EMVH500GDA221MLH0S	220	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.15	2.3	1.77	1.46	1.35
661-MVH50V331M	EMVH500ARA331MKG5S	330	KG5	12.5	16.0	13.0	13.0	13.7	1.0-1.3	4.2	0.18	2.7	1.25	1.03	.95
661-MVH50V331ML	EMVH500GDA331MLH0S	330	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.15	2.3	1.25	1.03	.95
661-MVH50V471M	EMVH500GDA471MMH0S	470	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	0.15	2.3	1.78	1.47	1.36
63 Volts															
661-MVH63V100M	EMVH630ADA100MF80G	10	F80	6.3	7.7	6.6	6.6	7.2	0.5-0.8	1.9	2.0	100	.18	.15	.14
661-MVH63V100MF	EMVH630ADA100MH63G	10	H63	8	6.3	8.3	8.3	9.0	0.5-0.8	2.3	2.0	110	.20	.16	.15
661-MVH63V220M	EMVH630ADA220MHA0G	22	HA0	8	10.0	8.3	8.3	9.0	0.7-1.1	3.1	0.70	35.0	.29	.24	.22
661-MVH63V330M	EMVH630ADA330MJA0G	33	JA0	10	10.0	10.3	10.3	11.0	0.7-1.1	4.5	0.50	25.0	.62	.51	.47
661-MVH63V101M	EMVH630ARA101MKE0S	100	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.25	12.5	.96	.79	.73
661-MVH63V221M	EMVH630ARA221MKG5S	220	KG5	12.5	16.0	13.0	13.0	13.7	1.0-1.3	4.2	0.20	10.0	1.18	.97	.90
661-MVH63V331M	EMVH630GDA331MLH0S	330	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.18	9.0	1.36	1.12	1.04
661-MVH63V471M	EMVH630GDA471MLN0S	470	LN0	16	21.5	17.0	17.0	18.0	1.0-1.3	6.5	0.11	5.5	1.36	1.12	1.04
100 Volts															
661-MVH100V100M	EMVH101ADA100MHA0G	10	HA0	8	10.0	8.3	8.3	9.0	0.7-1.1	3.1	0.75	50.0	.29	.23	.22
661-MVH100V220M	EMVH101ADA220MJA0G	22	JA0	10	10.0	10.3	10.3	11.0	0.7-1.1	4.5	0.55	35.0	.62	.50	.47
661-MVH100V470M	EMVH101ARA470MKE0S	47	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	0.33	16.5	1.06	.87	.81
661-MVH100V680M	EMVH101ARA680MKG5S	68	KG5	12.5	16.0	13.0	13.0	13.7	1.0-1.3	4.2	0.26	13.0	1.19	.98	.91
661-MVH100V101M	EMVH101GDA101MLH0S	100	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	0.24	12.0	1.63	1.34	1.24
661-MVH100M221M	EMVH101GDA221MMN0S	220	MN0	18	21.5	19.0	19.0	20.0	1.0-1.3	6.5	0.16	8.0	2.21	1.82	1.69
160 Volts															
661-MVH160V100M	EMVH161ARA100MKE0S	10	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	-	-	1.21	1.09	.97
661-MVH160V220M	EMVH161GDA220MLH0S	22	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	-	-	2.49	2.24	1.99
661-MVH160V330M	EMVH161GDA330MMH0S	33	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	-	-	2.89	2.60	2.31
661-MVH160V680M	EMVH161GDA680MMN0S	68	MN0	18	21.5	19.0	19.0	20.0	1.0-1.3	6.5	-	-	4.05	3.65	3.24
200 Volts															
661-MVH200V100M	EMVH201ARA100MKE0S	10	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	-	-	1.25	1.13	1.00
661-MVH200V220M	EMVH201GDA220MLH0S	22	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	-	-	2.49	2.24	1.99
661-MVH200V330M	EMVH201GDA330MLN0S	33	LN0	16	21.5	17.0	17.0	18.0	1.0-1.3	6.5	-	-	2.25	2.03	1.80
661-MVH200V330MH	EMVH201GDA330MMH0S	33	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	-	-	3.25	2.93	2.60
661-MVH200V470M	EMVH201GDA470MMN0S	47	MN0	18	21.5	19.0	19.0	20.0	1.0-1.3	6.5	-	-	2.66	2.39	2.13
250 Volts															
661-MVH250V100M	EMVH251ARA100MKG5S	10	KG5	12.5	16.0	13.0	13.0	13.7	1.0-1.3	4.2	-	-	1.35	1.22	1.08
661-MVH250V220M	EMVH251GDA220MLN0S	22	LN0	16	21.5	17.0	17.0	18.0	1.0-1.3	6.5	-	-	2.31	2.08	1.85
661-MVH250V220MH	EMVH251GDA220MMH0S	22	MH0	18	16.5	19.0	19.0	20.0	1.0-1.3	6.5	-	-	3.30	2.97	2.64
661-MVH250V330M	EMVH251GDA330MMN0S	33	MN0	18	21.5	19.0	19.0	20.0	1.0-1.3	6.5	-	-	3.75	3.38	3.00
400 Volts															
661-MVH400V4R7M	EMVH401ARA4R7MKE0S	4.7	KE0	12.5	13.5	13.0	13.0	13.7	1.0-1.3	4.2	-	-	1.31	1.18	1.05
661-MVH400V6R8M	EMVH401GDA6R8MLH0S	6.8	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	-	-	2.49	2.24	1.99
661-MVH400V100M	EMVH401GDA100MLN0S	10	LN0	16	21.5	17.0	17.0	18.0	1.0-1.3	6.5	-	-	2.36	2.12	1.88
661-MVH400V100MH	EMVH401GDA100MMH0S	10	MN0	18	21.5	19.0	19.0	20.0	1.0-1.3	6.5	-	-	3.90	3.51	3.12
450 Volts															
661-MVH450V3R3M	EMVH451ARA3R3MKG5S	3.3	KG5	12.5	16.0	13.0	13.0	13.7	1.0-1.3	4.2	-	-	1.28	1.15	1.02
661-MVH450V4R7M	EMVH451GDA4R7MLH0S	4.7	LH0	16	16.5	17.0	17.0	18.0	1.0-1.3	6.5	-	-	2.49	2.24	1.99
661-MVH450V100M	EMVH451GDA100MMN0S	10	MN0	18	21.5	19.0	19.0	20.0	1.0-1.3	6.5	-	-	4.15	3.74	3.32

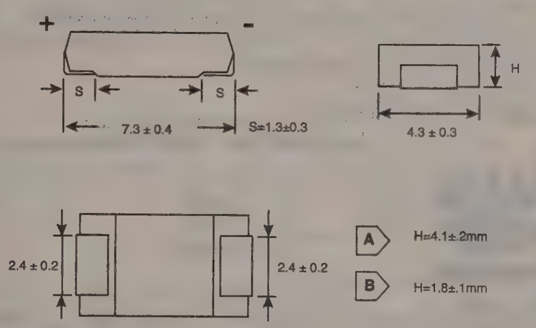
CDE CORNELL DUBILIER ULTRA LOW ESR 105°C SMD SOLID POLYMER ALUMINUM CAPACITORS

Solid polymer aluminum capacitors combine the high capacitance capability of an electrolytic component with the high frequency performance of film capacitors. When the need for low impedance at high frequency is critical for your design, one SPA chip is capable of replacing several liquid electrolyte aluminum or tantalum capacitors connected in parallel.

-Ideal for bypassing high frequency noise, and for switching frequency filtering in DC/DC conversion.

-The solid electrolyte delivers a typical expected operating life of more than 50 years.

DIMENSIONS: mm



Specifications:
- Operating temperature range: -55°C to +105°C
- Surge voltage: 125% of rated voltage
- Capacitance tolerance: ±20% @ 120Hz and +20°C
- DC leakage current: ≤4V; to I ≤ .06CV (μA)
  >4V; to I ≤ .04CV (μA) or 3μA

Applications:
- Motherboard By-Pass
- Switching supply input/output filters
- Power supply decoupling
- High frequency noise reduction
- Laptop LCD displays
- Automotive digital equipment
- Portable electronic equipment

Features:
- Ultra low E.S.R.
- High ripple current rating - up to 3.0 Amps
- Ultra stable - no change in imp. & e.s.r. from -55°C to +105°C
- Reduced parts count - replaces three or more tantalum caps
- Inherently more reliable, and ignition free

RoHS Compliant

ESRE - High Capacitance

Reel quantities start at 2000 pcs for ESRE and 3500pcs for ESRD.

MOUSER STOCK NO.	CDE Part Number	Fig.	Volt (DC)	Value (μF)	Max. ESR 100KHz/20°C (Ω)	Max. Ripple Current 100KHz/105°C (Amps)	Price Each				
							1	10	100	500	1000
5987-4V180E	ESRE181M04B	A	4.0	180	0.012	3.3	2.68	2.55	2.30	2.00	1.70
5987-6.3V150E	ESRE151M06B	A	6.3	150	0.012	3.3	2.68	2.55	2.30	2.00	1.70
5987-8V100E	ESRE101M08B	A	8.0	100	0.012	3.3	2.68	2.55	2.30	2.00	1.70

ESRD - High Voltage

Reel quantities start at 2000 pcs for ESRE and 3500pcs for ESRD.

MOUSER STOCK NO.	CDE Part Number	Fig.	Volt (DC)	Value (μF)	Max. ESR 100KHz/20°C (Ω)	Max. Ripple Current 100KHz/105°C (Amps)	Price Each				
							1	10	100	500	1000
5987-6.3V47D	ESRD470M06B	B	6.3	47	0.025	1.8	1.14	1.02	.89	.79	.66
5987-8V22D	ESRD220M08B	B	8.0	22	0.035	1.6	1.14	1.02	.89	.79	.66
5987-8V33D	ESRD330M08B	B	8.0	33	0.025	1.8	1.14	1.02	.89	.79	.66
5987-8V68	ESRD680M08B	B	8.0	68	0.015	3	2.20	1.96	1.72	1.52	1.27
5987-12.5V10D	ESRD100M12B	B	12.5	10	0.06	1	1.00	.90	.77	.67	.57
5987-12.5V22D	ESRD220M12B	B	12.5	22	0.04	1.3	1.08	.96	.84	.74	.62
5987-16V6.8D	ESRD6R8M16B	B	16.0	6.8	0.07	1	1.05	.95	.81	.70	.60
5987-16V8.2D	ESRD8R2M16B	B	16.0	8.2	0.06	1	1.10	.98	.85	.74	.63

ENGINEERING DESIGN KITS

ESRE

Reel quantities start at 2000 pcs for ESRE and 3500pcs for ESRD.

MOUSER STOCK NO.	CDE Part Number	Description	Cap. Range (μF)	Vdc	Price Each	
					1	5
5987-ESRE-KIT1	ESRE-KIT1	Polymer/Aluminum Electrolytics, Kit includes 6 pcs. each of 4 ratings (24 capacitors)	100-270	2-8	60.96	55.42
5987-ESRE-KIT2	ESRE-KIT2	Polymer/Aluminum Electrolytics, All Cap Values (7.3 x 4.3 x 4.2 high mm case); Kit includes 6 pcs. each of 7 ratings (42 capacitors)	100-330	2-8	108.00	98.55

ESRD

Reel quantities start at 2000 pcs for ESRE and 3500pcs for ESRD.

MOUSER STOCK NO.	CDE Part Number	Description	Cap. Range (μF)	Vdc	Price Each	
					1	5
5987-ESRD-KIT4	ESRD-KIT4	Polymer/Aluminum Electrolytics, Kit includes 12 pcs. each of 6 ratings (72 capacitors)	4.7-47	6.3-16	67.36	61.23
5987-ESRD-KIT6	ESRD-KIT6	Polymer/Aluminum Electrolytics, Highest ESRD Cap Values, With A Low Profile Case, (7.3 x 4.3 x 1.8 high mm case); Kit includes 6 pcs. each of 5 ratings (30 capacitors)	8.2-56	4-16	27.90	25.36
5987-ESRD-KIT7	ESRD-KIT7	Polymer/Aluminum Electrolytics, Kit includes 10 pcs. each of 17 ratings (170 capacitors)	2.2-56	- -	158.44	144.58
5987-ESRD-KIT8	ESRD-KIT8	Polymer/Aluminum Electrolytics, Kit includes 6 pcs. each of 5 ratings (30 capacitors)	68-180	2-8	49.70	45.35
5987-ESRD-KIT9	ESRD-KIT9	Polymer/Aluminnm Electrolytics, Highest ESRD Cap Values (7.3 x 4.3 x 3.1 high mm case); Kit includes 6 pcs. each of 5 ratings (30 capacitors)	100-220	2-6.3	59.00	53.84

KEMET 125°C Low ESR Aluminum Organic Capacitors - AO-CAP

The Capacitance Company
KEMET
CHARGED™

RoHS Compliant **This page of product is compliant.**

KEMET enters the world of aluminum capacitors with the introduction of the AO-CAP, designated the A700 Series, which has been targeted for power management applications. With aluminum as the anode material, aluminum oxide as the dielectric, and a conductive polymer to replace the wet electrolytic historically used in aluminum capacitors, KEMET has advanced beyond existing aluminum organic capacitors.
The KEMET A700 Series AO-CAP is also an ideal alternative to high-capacitance ceramics. Its outstanding high frequency performance helps reduce component counts, cost-effectively saving board space.

The KEMET AO-CAP is totally free of lead with excellent surge current performance and long-term reliability. There is no recommended de-rating of application voltage to reduce failure rate. The operating temperature is -55°C to +125°C.
The KEMET AO-CAP is offered in the same EIA industry standard case sizes and packaging formats as KEMET's tantalum surface-mount capacitor lines.

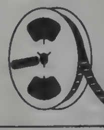
Features:

- Extremely low ESR
- High capacitance retention for superior performance at high operating frequencies
- Non-ignition Failure Mode
- No "dry-out" or "wear-out" related failure mechanism
- No voltage derating up to +125°C
- True Surface-mount capability
- Overall lower placement costs
- PB Free
- Self healing mechanism
- MSL3 Packaging

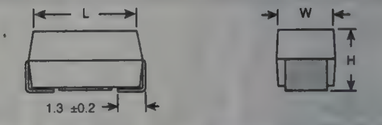
Other ESR Ratings Available
Please contact a Mouser Customer Service Representative

Cross Reference Chart

KEMET AO	Panasonic SP
A700	EEF



Dimensions: mm



Case Size		L	W	H	K Min.	F ± 0.1	S ± 0.2
KEMET	EIA						
V	7343-20	7.3±0.3	4.3±0.3	1.9±0.1	1.1	2.4	1.3
D	7343-31	7.3±0.3	4.3±0.3	2.8±0.3	1.3	2.4	1.3
X	7343-43	7.3±0.3	4.3±0.3	4.0±0.3	2.1	2.4	1.3

RoHS Compliant

A700 Series

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (µF)	Case Code	ESR mΩ 100kHz 25°C Max	DCL @VR µA +25°C Max	Ripple Current A rms 100kHz Max	Price Each				MOUSER STOCK NO.	Reel Qty.	Price Per Piece
								1	20	40	120			
80-A700V107M2E18	A700V107M002ATE018	2.0	100	V	18	12	3.9	1.91	1.69	1.46	1.35	80-A700V107M2E18-TR	1000	1.01
80-A700V107M002	A700V107M002ATE028	2.0	100	V	28	12	3.1	1.75	1.40	1.23	1.14	80-A700V107M002-TR	1000	.79
80-A700V127M2E18	A700V127M002ATE018	2.0	120	V	18	14.4	3.9	2.53	2.23	1.93	1.79	80-A700V127M2E18-TR	1000	1.34
80-A700V127M2E25	A700V127M002ATE025	2.0	120	V	25	14.4	3.3	2.32	2.04	1.77	1.64	80-A700V127M2E25-TR	1000	1.23
80-A700V127M2E28	A700V127M002ATE028	2.0	120	V	28	14.4	3.1	2.10	1.86	1.61	1.49	80-A700V127M2E28-TR	1000	1.11
80-A700V157M2E18	A700V157M002ATE018	2.0	150	V	18	18	3.9	1.91	1.69	1.46	1.35	80-A700V157M2E18-TR	1000	1.01
80-A700V157M002	A700V157M002ATE028	2.0	150	V	28	18	3.1	1.75	1.40	1.23	1.14	80-A700V157M002-TR	1000	.79
80-A700D187M2E15	A700D187M002ATE015	2.0	180	D	15	21.6	4.1	2.98	2.63	2.28	2.10	80-A700D187M2E15-TR	500	1.75
80-A700D187M2E18	A700D187M002ATE018	2.0	180	D	18	21.6	3.7	2.76	2.44	2.11	1.95	80-A700D187M2E18-TR	500	1.63
80-A700D227M2E15	A700D227M002ATE015	2.0	220	D	15	26.4	4.1	2.98	2.63	2.28	2.10	80-A700D227M2E15-TR	500	1.75
80-A700D227M002	A700D227M002ATE018	2.0	220	D	18	26.4	3.7	3.25	2.60	2.28	2.11	80-A700D227M002-TR	500	1.63
80-A700X337M2E10	A700X337M002ATE010	2.0	330	X	10	39.6	4.7	4.04	3.56	3.09	2.85	80-A700X337M2E10-TR	500	2.38
80-A700X397M2E10	A700X397M002ATE010	2.0	390	X	10	46.8	4.7	4.04	3.56	3.09	2.85	80-A700X397M2E10-TR	500	2.38
80-A700X477M2E10	A700X477M002ATE010	2.0	470	X	10	56.4	4.7	4.46	3.94	3.41	3.15	80-A700X477M2E10-TR	500	2.63
80-A700V826M2R5E18	A700V826M2R5ATE018	2.5	82	V	18	12.3	3.9	2.53	2.23	1.93	1.79	80-A700V826M2RE18-TR	1000	1.49
80-A700D157M2R5E15	A700D157M2R5ATE015	2.5	150	D	15	22.5	4.1	3.38	2.98	2.58	2.39	80-A700D157M2RE15-TR	500	1.99
80-A700D187M2R5E15	A700D187M2R5ATE015	2.5	180	D	15	27	4.1	3.38	2.98	2.58	2.39	80-A700D187M2RE15-TR	500	1.99
80-A700X227M2R5E10	A700X227M2R5ATE010	2.5	220	X	10	33	4.7	4.46	3.94	3.41	3.15	80-A700X227M2RE10-TR	500	2.63
80-A700X337M2R5E10	A700X337M2R5ATE010	2.5	330	X	10	49.5	4.7	4.46	3.94	3.41	3.15	80-A700X337M2RE10-TR	500	2.63
80-A700V826M4E18	A700V826M004ATE018	4.0	82	V	18	19.7	3.9	2.25	1.80	1.58	1.46	80-A700V826M4E18-TR	1000	1.01
80-A700V826M4E25	A700V826M004ATE025	4.0	82	V	25	19.7	3.3	2.00	1.60	1.40	1.30	80-A700V826M4E25-TR	1000	.90
80-A700V826M004	A700V826M004ATE028	4.0	82	V	28	19.7	3.1	1.75	1.40	1.23	1.14	80-A700V826M004-TR	1000	.79
80-A700D127M4E15	A700D127M004ATE015	4.0	120	D	15	28.8	4.1	3.50	2.80	2.45	2.28	80-A700D127M4E15-TR	500	1.75
80-A700D127M004	A700D127M004ATE018	4.0	120	D	18	28.8	3.7	2.98	2.60	2.28	2.11	80-A700D127M004-TR	500	1.63
80-A700D157M4E15	A700D157M004ATE015	4.0	150	D	15	36	4.1	3.50	2.80	2.45	2.28	80-A700D157M4E15-TR	500	1.75
80-A700D157M004	A700D157M004ATE018	4.0	150	D	18	36	3.7	3.25	2.60	2.28	2.11	80-A700D157M004-TR	500	1.63
80-A700D187M4E15	A700D187M004ATE015	4.0	180	D	15	43.2	4.1	3.98	3.18	2.78	2.58	80-A700D187M4E15-TR	500	1.99
80-A700D187M4E18	A700D187M004ATE018	4.0	180	D	18	43.2	3.7	3.73	2.98	2.61	2.42	80-A700D187M4E18-TR	500	1.86
80-A700X227M4E10	A700X227M004ATE010	4.0	220	X	10	52.8	4.7	4.75	3.80	3.33	3.09	80-A700X227M4E10-TR	500	2.38
80-A700X277M4E10	A700X277M004ATE010	4.0	270	X	10	64.8	4.7	4.75	3.80	3.33	3.09	80-A700X277M4E10-TR	500	2.38
80-A700X337M4E10	A700X337M004ATE010	4.0	330	X	10	79.2	4.7	5.25	4.20	3.68	3.41	80-A700X337M4E10-TR	500	2.63
80-A700V226M6E28	A700V226M006ATE028	6.3	22	V	28	5.5	3.1	2.73	2.18	1.91	1.77	80-A700V226M6E28-TR	1000	1.23
80-A700V226M6E45	A700V226M006ATE045	6.3	22	V	45	5.5	2.4	2.48	1.98	1.73	1.61	80-A700V226M6E45-TR	1000	1.11
80-A700V336M6E18	A700V336M006ATE018	6.3	33	V	18	8.3	3.9	2.25	1.80	1.58	1.46	80-A700V336M6E18-TR	1000	1.01
80-A700V336M6E25	A700V336M006ATE025	6.3	33	V	25	8.3	3.3	2.00	1.60	1.40	1.30	80-A700V336M6E25-TR	1000	.90
80-A700V336M6E28	A700V336M006ATE028	6.3	33	V	28	8.3	3.1	1.75	1.40	1.23	1.14	80-A700V336M6E28-TR	1000	.79
80-A700V476M6E18	A700V476M006ATE018	6.3	47	V	18	11.8	3.9	2.25	1.80	1.58	1.46	80-A700V476M6E18-TR	1000	1.01
80-A700V476M006	A700V476M006ATE025	6.3	47	V	25	11.8	3.3	1.75	1.40	1.23	1.14	80-A700V476M006-TR	1000	.79
80-A700V476M6E28	A700V476M006ATE028	6.3	47	V	28	11.8	3.1	1.75	1.40	1.23	1.14	80-A700V476M6E28-TR	1000	.79
80-A700V566M6E18	A700V566M006ATE018	6.3	56	V	18	14.1	3.9	2.25	1.80	1.58	1.46	80-A700V566M6E18-TR	1000	1.01
80-A700V566M6E25	A700V566M006ATE025	6.3	56	V	25	14.1	3.3	2.00	1.60	1.40	1.30	80-A700V566M6E25-TR	1000	.90
80-A700V566M6E28	A700V566M006ATE028	6.3	56	V	28	14.1	3.1	1.75	1.40	1.23	1.14	80-A700V566M6E28-TR	1000	.79
80-A700V686M6E18	A700V686M006ATE018	6.3	68	V	18	17.1	3.9	2.25	1.80	1.58	1.46	80-A700V686M6E18-TR	1000	1.01
80-A700V686M6E25	A700V686M006ATE025	6.3	68	V	25	17.1	3.3	2.00	1.60	1.40	1.30	80-A700V686M6E25-TR	1000	.90
80-A700V686M006	A700V686M006ATE028	6.3	68	V	28	17.1	3.1	1.75	1.40	1.23	1.14	80-A700V686M006-TR	1000	.79
80-A700V826M6E18	A700V826M006ATE018	6.3	82	V	18	20.7	3.9	2.98	2.38	2.08	1.93	80-A700V826M6E18-TR	1000	1.34
80-A700V826M6E25	A700V826M006ATE025	6.3	82	V	25	20.7	3.3	2.73	2.18	1.91	1.77	80-A700V826M6E25-TR	1000	1.23
80-A700V826M6E28	A700V826M006ATE028	6.3	82	V	28	20.7	3.1	2.48	1.98	1.73	1.61	80-A700V826M6E28-TR	1000	1.11
80-A700D107M6E15	A700D107M006ATE015	6.3	100	D	15	25.2	4.1	3.50	2.80	2.45	2.28	80-A700D107M6E15-TR	500	1.75
80-A700D107M006	A700D107M006ATE018	6.3	100	D	18	25.2	3.7	3.25	2.60	2.28	2.11	80-A700D107M006-TR	500	1.63
80-A700D127M6E15	A700D127M006ATE015	6.3	120	D	15	30.2	4.1	3.98	3.18	2.78	2.58	80-A700D127M6E15-TR	500	1.99
80-A700D127M6E18	A700D127M006ATE018	6.3	120	D	18	30.2	3.7	3.73	2.98	2.61	2.42	80-A700D127M6E18-TR	500	1.86
80-A700X157M6E10	A700X157M006ATE010	6.3	150	X	10	37.8	4.7	4.75	3.80	3.33	3.09	80-A700X157M6E10-TR	500	2.38
80-A700X187M6E10	A700X187M006ATE010	6.3	180	X	10	45.4	4.7	4.75	3.80	3.33	3.09	80-A700X187M6E10-TR	500	2.38
80-A700V226M8E28	A700V226M008ATE028	8.0	22	V	28	7.0	3.1	2.73	2.18	1.91	1.77	80-A700V226M8E28-TR	1000	1.23
80-A700V226M8E45	A700V226M008ATE045	8.0	22	V	45	7.0	2.4	2.48	1.98	1.73	1.61	80-A700V226M8E45-TR	1000	1.11
80-A700V336M8E18	A700V336M008ATE018	8.0	33	V	18	10.6	3.9	2.25	1.80	1.58	1.46	80-A700V336M8E18-TR	1000	1.01
80-A700V336M8E25	A700V336M008ATE025	8.0	33	V	25	10.6	3.3	2.00	1.60	1.40	1.30	80-A700V336M8E25-TR	1000	.90
80-A700V336M008	A700V336M008ATE028	8.0	33	V	28	10.6	3.1	1.75	1.40	1.23	1.14	80-A700V336M008-TR	1000	.79
80-A700D566M8E15	A700D566M008ATE015	8.0	56	D	15	17.9	4.1	3.98	3.18	2.78	2.58	80-A700D566M8E15-TR	500	1.99
80-A700D566M8E18	A700D566M008ATE018	8.0	56	D	18	17.9	3.7	3.73	2.98	2.61	2.42	80-A700D566M8E18-TR	500	1.86
80-A700D686M8E15	A700D686M008ATE015	8.0	68	D	15	21.8	4.1	3.98	3.18	2.78	2.58	80-A700D686M8E15-TR	500	1.99
80-A700D686M8E18	A700D686M008ATE018	8.0	68	D	18	21.8	3.7	3.73	2.98	2.61	2.42	80-A700D686M8E18-TR	500	1.86
80-A700X107M8E10	A700X107M008ATE010	8.0	100	X	10	32	4.7	5.25	4.20	3.68	3.41	80-A700X107M8E10-TR	500	2.63
80-A700V336M10E18	A700V336M010ATE018	10	33	V	18	13.2	3.9	2.25	1.80	1.58	1.46	80-A700V336M10E18-TR	1000	1.01
80-A700V336M010	A700V336M010ATE028	10	33	V	28	13.2	3.1	1.75	1.40	1.23	1.14	80-A700V336M010-TR	1000	.79
80-A700D566M10E15	A700D566M010ATE015	10	56	D	15	22.4	4.1	3.98	3.18	2.78	2.58	80-A700D566M10E15-TR	500	1.99
80-A700D566M010	A700D566M010ATE018	10	56	D	18	22.4	3.7	3.73	2.98	2.61	2.42	80-A700D566M010-TR	500	1.86
80-A700D686M10E15	A700D686M010ATE015	10	68	D	15	27.2	4.1	3.98	3.18	2.78	2.58	80-A700D686M10E15-TR	500	1.99
80-A700D686M10E18	A700D686M010ATE018	10	68	D	18	27.2	3.7	3.73	2.98	2.61	2.42	80-A700D686M10E18-TR	500	1.86
80-A700X107M10E10	A700X107M010ATE010	10	100	X	10	40	4.7	5.25	4.20	3.68	3.41	80-A700X107M10E10-TR	500	2.63
80-A700X127M10E10	A700X127M010ATE010	10	120	X	10	48	4.7	5.25	4.20	3.68	3.41	80-A700X127M10E10-TR	500	2.63
80-A700X157M10E10	A700X157M010ATE010	10	150	X	10	60	4.7	5.25	4.20	3.68	3.41	80-A700X157M10E10-TR	500	2.63

UNITED CHEMI-CON Polymer Aluminum Capacitors

UNITED CHEMI-CON

RoHS Compliant **This page of product is compliant.**

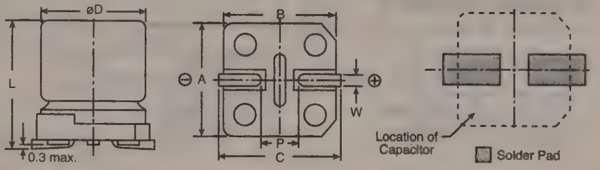
UCC PXA NPCAP™ 105°C SMD SOLID POLYMER ALUMINUM SERIES

The PXA series are suitable for DC-DC converters, voltage regulators, and decoupling applications used in computer equipment.

Specifications:
- Operating Temperature : -55°C to +105°C
- Voltage Range: 2.5 to 25VDC
- Capacitance Range: 10 to 1200uF
- Capacitance Tolerance: ±20%
- Rated Lifetime: 2000 hours @ 105°C

Features:
- High Heat Resistance to Reflow Soldering
- Solid Polymer Electrolyte
- Ultra Low ESR
- Lead Free Design
- Solvent Proof

RoHS Compliant



2.5 Volts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (μF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHZ	Rated Ripple (mArms) 100k-300kHz - 55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P			1	10	25	100
661-PXA2.5VC221MF	APXA2R5ARA221MF55G	220	F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	25	2500	.85	.70	.65	.59
661-PXA2.5VC561M	APXA2R5ARA561MH70G	560	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	23	3100	1.10	.90	.84	.78
661-PXA2.5VC102M	APXA2R5ARA102MJ80G	1000	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	19	4240	1.57	1.29	1.20	1.10

4 Volts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (μF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHZ	Rated Ripple (mArms) 100k-300kHz - 55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P			1	10	25	100
661-PXA4VC101MF	APXA4R0ARA101MF55G	100	F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	26	2450	.85	.70	.65	.59
661-PXA4VC221M	APXA4R0ARA221MH70G	220	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	25	3020	1.10	.91	.85	.78
661-PXA4VC331M	APXA4R0ARA331MH70G	330	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	25	3020	1.10	.91	.85	.78
661-PXA4VC471M	APXA4R0ARA471MJ80G	470	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	20	4130	1.57	1.29	1.20	1.10
661-PXA4VC681M	APXA4R0ARA681MJ80G	680	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	20	4130	1.57	1.29	1.20	1.10
661-PXA4VC122M	APXA4R0ARA122MJC0G	1200	JC0	10	12.2	10.3	10.3	11	0.7-1.1	4.5	10	5500	1.77	1.46	1.36	1.26

6.3 Volts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (μF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHZ	Rated Ripple (mArms) 100k-300kHz - 55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P			1	10	25	100
661-PXA6.3VC68RM	APXA6R3ARA680MF60G	68	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	27	2400	.82	.77	.66	.56
661-PXA6.3VC82RM	APXA6R3ARA820MF60G	82	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	27	2400	.82	.77	.66	.56
661-PXA6.3VC101M	APXA6R3ARA101MF60G	100	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	27	2400	.76	.72	.62	.52
661-PXA6.3VC121M	APXA6R3ARA121MF60G	120	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	27	2400	.82	.77	.66	.56
661-PXA6.3VC151M	APXA6R3ARA151MH70G	150	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	25	3020	1.05	.98	.85	.72
661-PXA6.3VC221M	APXA6R3ARA221MH70G	220	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	25	3020	1.05	.98	.85	.72
661-PXA6.3VC331M	APXA6R3ARA331MJ80G	330	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	20	4130	1.46	1.37	1.19	1.01
661-PXA6.3VC391M	APXA6R3ARA391MHC0G	390	HC0	8	12	8.3	8.3	9	0.7-1.1	3.1	12	4770	1.47	1.38	1.20	1.02
661-PXA6.3VC471M	APXA6R3ARA471MJ80G	470	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	20	4130	1.46	1.37	1.19	1.01
661-PXA6.3VC681M	APXA6R3ARA681MJC0G	680	JC0	10	12.2	10.3	10.3	11	0.7-1.1	4.5	10	5500	2.06	1.93	1.67	1.42
661-PXA6.3VC821M	APXA6R3ARA821MJC0G	820	JC0	10	12.2	10.3	10.3	11	0.7-1.1	4.5	10	5500	2.32	2.18	1.89	1.60

10 Volts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (μF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHZ	Rated Ripple (mArms) 100k-300kHz - 55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P			1	10	25	100
661-PXA10VC47RM	APXA100ARA470MF60G	47	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	31	2250	.81	.76	.65	.55
661-PXA10VC56RM	APXA100ARA560MF55G	56	F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	31	2250	.82	.77	.66	.56
661-PXA10VC121M	APXA100ARA121MH70G	120	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	27	2800	1.05	.98	.85	.72
661-PXA10VC151M	APXA100ARA151MH70G	150	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	27	2800	1.05	.98	.85	.72
661-PXA10VC271MH	APXA100ARA271MHC0G	270	HC0	8	12	8.3	8.3	9	0.7-1.1	3.1	14	4420	1.46	1.37	1.19	1.01
661-PXA10VC271M	APXA100ARA271MJ80G	270	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	24	3770	1.46	1.37	1.19	1.01
661-PXA10VC331MH	APXA100ARA331MHC0G	330	HC0	8	12	8.3	8.3	9	0.7-1.1	3.1	12	4420	1.48	1.39	1.20	1.02
661-PXA10VC331M	APXA100ARA331MJ80G	330	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	24	3770	1.48	1.39	1.20	1.02
661-PXA10VC471M	APXA100ARA471MJC0G	470	JC0	10	12.2	10.3	10.3	11	0.7-1.1	4.5	12	5300	2.24	2.10	1.83	1.55
661-PXA10VC561M	APXA100ARA561MJC0G	560	JC0	10	12.2	10.3	10.3	11	0.7-1.1	4.5	12	5300	2.40	2.25	1.95	1.65

16 Volts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (μF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHZ	Rated Ripple (mArms) 100k-300kHz - 55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P			1	10	25	100
661-PXA16VC33RM	APXA160ARA330MF60G	33	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	37	2050	.81	.76	.65	.55
661-PXA16VC39RM	APXA160ARA390MF60G	39	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	37	2050	.82	.77	.66	.56
661-PXA16VC82RM	APXA160ARA820MH70G	82	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	30	2700	1.05	.98	.85	.72
661-PXA16VC151M	APXA160ARA151MJ80G	150	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	26	3430	1.46	1.37	1.19	1.01
661-PXA16VC181M	APXA160ARA181MJ80G	180	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	26	3430	1.46	1.37	1.19	1.01
661-PXA16VC221M	APXA160ARA221MJC0G	220	JC0	10	12.2	10.3	10.3	11	0.7-1.1	4.5	14	5050	2.20	2.07	1.79	1.35
661-PXA16VC331M	APXA160ARA331MJC0G	330	JC0	10	12.2	10.3	10.3	11	0.7-1.1	4.5	14	5050	2.19	2.06	1.78	1.51

20 Volts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (μF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHZ	Rated Ripple (mArms) 100k-300kHz - 55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P			1	10	25	100
661-PXA20VC22RMF	APXA200ARA220MF55G	22	F55	6.3	5.2	6.6	6.6	7.2	0.5-0.8	1.9	50	1650	.81	.76	.65	.55
661-PXA20VC22RM	APXA200ARA220MF60G	22	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	50	1650	.80	.75	.64	.54
661-PXA20VC39RM	APXA200ARA390MH70G	39	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	45	2000	1.05	.98	.85	.72
661-PXA20VC47RM	APXA200ARA470MH70G	47	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	45	2000	1.05	.98	.85	.72
661-PXA20VC82RM	APXA200ARA820MJ80G	82	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	40	2500	1.46	1.37	1.19	1.01

25 Volts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part No.	Value (μF)	Case Code	Case Dimensions: mm							Max ESR (MΩ) @ 20°C 100kHZ	Rated Ripple (mArms) 100k-300kHz - 55°C~+105°C	Price Each			
				øD	L	A	B	C	W	P			1	10	25	100
661-PXA25VC10RM	APXA250ARA100MF60G	10	F60	6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9	65	1500	.81	.76	.65	.55
661-PXA25VC22RM	APXA250ARA220MH70G	22	H70	8	6.7	8.3	8.3	9	0.7-1.1	3.1	50	1800	1.05	.98	.85	.72
661-PXA25VC39RM	APXA250ARA390MJ80G	39	J80	10	7.7	10.3	10.3	11	0.7-1.1	4.5	45	2100	1.46	1.37	1.19	1.01

UNITED CHEMI-CON Polymer Aluminum Capacitors

RoHS Compliant **This page of product is compliant.**

UCC PXH NPCAP™ 125°C SMD SOLID POLYMER ALUMINUM SERIES

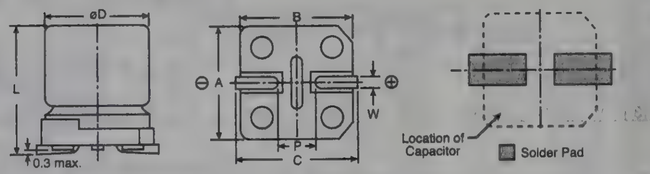
The PXH series are suitable for DC-DC converters, voltage regulators and decoupling applications.

Specifications:

- Operating Temperature : -55°C to +125°C
- Voltage Range: 2.5 to 20VDC
- Capacitance Range: 22 to 1000µF
- Capacitance Tolerance: ±20%
- Rated Lifetime: 1000 hours @ 125°C

Features:

- Solid Polymer Electrolyte
- Ultra Low ESR
- Lead Free Design
- Solvent Proof
- High Heat Resistance to Reflow Soldering



Case Dimensions: mm

Case Code	øD ±0.5	L ±0.3	A ±0.2	B ±0.2	C ±0.2	W	P
F60	ø6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9
H70	ø8	6.7	8.3	8.3	9.0	0.7-1.1	3.1
J80	ø10	7.7	10.3	10.3	11.0	0.7-1.1	4.5

RoHS Compliant

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Case Code	Max ESR (MΩ)@20°C 100k-300kHz	Price Each		
					1	10	25
2.5 Volts							
661-PXH2.5V221M	APXH2R5ARA221MF60G	220	F60	35	.97	.80	.74
661-PXH2.5V561M	APXH2R5ARA561MH70G	560	H70	30	1.24	1.03	.95
661-PXH2.5V102M	APXH2R5ARA102MJ80G	1000	J80	25	1.78	1.47	1.36
4.0 Volts							
661-PXH4V151M	APXH4R0ARA151MF60G	150	F60	35	.97	.80	.74
661-PXH4V221M	APXH4R0ARA221MH70G	220	H70	30	1.24	1.03	.95
661-PXH4V681M	APXH4R0ARA681MJ80G	680	J80	25	1.78	1.47	1.36
6.3 Volts							
661-PXH6.3V820M	APXH6R3ARA820MF60G	82	F60	40	.97	.80	.74
661-PXH6.3V101M	APXH6R3ARA101MF60G	100	F60	40	.97	.80	.74
661-PXH6.3V151M	APXH6R3ARA151MH70G	150	H70	30	1.24	1.03	.95
661-PXH6.3V221M	APXH6R3ARA221MH70G	220	H70	30	1.24	1.03	.95
661-PXH6.3V471M	APXH6R3ARA471MJ80G	470	J80	25	1.78	1.47	1.36
10 Volts							
661-PXH10V560M	APXH100ARA560MF60G	56	F60	45	.97	.80	.74
661-PXH10V121M	APXH100ARA121MH70G	120	H70	35	1.24	1.03	.95
661-PXH10V151M	APXH100ARA151MH70G	150	H70	35	1.24	1.03	.95
661-PXH10V331M	APXH100ARA331MJ80G	330	J80	30	1.78	1.47	1.36
16 Volts							
661-PXH16V390M	APXH160ARA390MF60G	39	F60	50	.97	.80	.74
661-PXH16V820M	APXH160ARA820MH70G	82	H70	40	1.24	1.03	.95
661-PXH16V151M	APXH160ARA151MJ80G	150	J80	35	1.78	1.47	1.36
661-PXH16V181M	APXH160ARA181MJ80G	180	J80	35	1.78	1.47	1.36
20 Volts							
661-PXH20V220M	APXH200ARA220MF60G	22	F60	60	.97	.80	.74
661-PXH20V470M	APXH200ARA470MH70G	47	H70	45	1.24	1.03	.95
661-PXH20V820M	APXH200ARA820MJ80G	82	J80	45	1.78	1.47	1.36

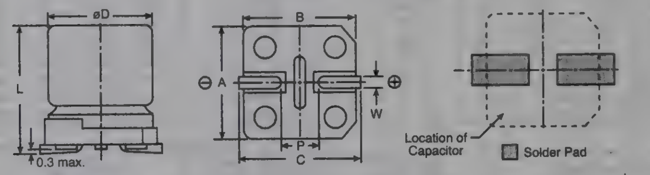
UCC PXC NPCAP™ 105°C SMD SOLID POLYMER ALUMINUM SERIES, LOW ESR

Specifications:

- Operating temperature : -55°C to +105°C
- Voltage Range: 2.5 to 16VDC
- Capacitance Range: 27 to 470µF

Features:

- Solvent proof
- Cost effective polymer tantalum replacement
- 20 to 30% lower ESR than PXA series
- Designed for two reflow soldering cycles



Case Dimensions: mm

Case Code	øD ±0.5	L ±0.3	A ±0.2	B ±0.2	C ±0.2	W	P
E60	ø5	5.7	5.3	5.3	5.9	0.5-0.8	1.4
F60	ø6.3	5.7	6.6	6.6	7.2	0.5-0.8	1.9
H70	ø8	6.7	8.3	8.3	9.0	0.7-1.1	3.1

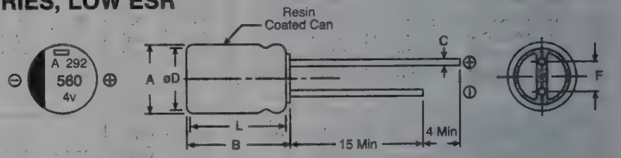
RoHS Compliant

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Case Code	Max ESR (MΩ)@20°C 100k-300kHz	Price Each		
					1	10	25
2.5 Volt							
661-PXC2.5VC181M	APXC2R5ARA181ME60G	180	E60	30	.76	.71	.61
661-PXC2.5VC271M	APXC2R5ARA271MF60G	270	F60	20	.82	.77	.66
661-PXC2.5VC471M	APXC2R5ARA471MH70G	470	H70	17	1.05	.98	.85
4 Volt							
661-PXC4VC151M	APXC4R0ARA151ME60G	150	E60	30	.76	.71	.61
661-PXC4VC221M	APXC4R0ARA221MF60G	220	F60	21	.82	.77	.66
661-PXC4VC331M	APXC4R0ARA331MH70G	330	H70	18	1.05	.98	.85
6.3 Volt							
661-PXC6.3VC101M	APXC6R3ARA101ME60G	100	E60	35	.76	.71	.61
661-PXC6.3VC181M	APXC6R3ARA181MF60G	180	F60	22	.82	.77	.66
661-PXC6.3VC221M	APXC6R3ARA221MH70G	220	H70	18	1.05	.98	.85
10 Volt							
661-PXC10VC56RM	APXC100ARA560ME60G	56	E60	40	.76	.71	.61
661-PXC10VC82RM	APXC100ARA820MF60G	82	F60	23	.82	.77	.66
661-PXC10VC151M	APXC100ARA151MH70G	150	H70	20	1.05	.98	.85
16 Volt							
661-PXC16VC27RM	APXC160ARA270ME60G	27	E60	45	.76	.71	.61
661-PXC16VC39RM	APXC160ARA390MF60G	39	F60	25	.82	.77	.66
661-PXC16VC82RM	APXC160ARA820MH70G	82	H70	25	1.06	.99	.86

UCC PSA NPCAP™ 105°C RADIAL SOLID POLYMER ALUMINUM SERIES, LOW ESR

The PSA series uses a solid functional polymer as the electrolyte. This polymer technology insures more stable performance and higher reliability over the expected lifetime than normal liquid electrolyte capacitors. PSA capacitors are constructed of lead-free materials that can withstand high temperature lead-free soldering. This series are suitable for use in DC-DC converters, voltage regulators, and decoupling applications and are recommended replacements for OS-CON™ capacitors.



Specifications:

- Temperature range: -55°C to +105°C
- Voltage Range: 2.5 to 10VDC
- Capacitance Range: 27 to 470µF

Features:

- Capacitance Tolerance: ± 20%
- Rated Lifetime: 2000 hours

RoHS Compliant

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Case Size DxL (mm)	Case Dimensions: mm						Max ESR (MΩ)@20°C 100k-300kHz	Ripple (mArms) 105°C/100kHz	Price Each				
				øD	L	A	B	øC	F±0.5			1	50	100	500	1000
2.5 Volt																
661-PSA2.5VB390M	APSA2R5ELL391MFA5G	390	6.3x10.5	6.3	9.8	6.3+0.5	9.8+1.0	0.8	2.5	20	3160	.60	.56	.49	.41	.34
661-PSA2.5VB680M	APSA2R5ELL681MHB5D	680	8x11.5	8	11.5	8+0.5	11.5+1.5	0.8	3.5	7	5580	.71	.66	.58	.49	.40
661-PSA2.5VB820M	APSA2R5ELL821MHB5S	820	8x11.5	8	11.5	8+0.5	11.5+1.5	0.8	3.5	7	5580	.72	.67	.58	.49	.40
661-PSA2.5VB1000M	APSA2R5ELL102MJB5D	1000	10x11.5	10	11.5	10+0.5	11.5+1.5	0.8	5	6	5860	1.09	1.02	.89	.75	.61
4 Volt																
661-PSA4VB270M	APSA4R0ELL271MFA5G	270	6.3x10.5	6.3	9.8	6.3+0.5	9.8+1.0	0.8	2.5	20	3160	.60	.56	.49	.41	.34
661-PSA4VB390M	APSA4R0ELL391MFA5G	390	6.3x10.5	6.3	9.8	6.3+0.5	9.8+1.0	0.8	2.5	24	3300	.87	.82	.71	.60	.49
661-PSA4VB560M	APSA4R0ELL561MHB5D	560	8x11.5	8	11.5	8+0.5	11.5+1.5	0.8	3.5	7	5580	.71	.66	.58	.49	.40
661-PSA4VB820M	APSA4R0ELL821MJB5D	820	10x11.5	10	11.5	10+0.5	11.5+1.5	0.8	5	6	5860	1.06	1.00	.86	.73	.60
6.3 Volt																
661-PSA6.3VB220M	APSA6R3ELL221MFA5G	220	6.3x10.5	6.3	9.8	6.3+0.5	9.8+1.0	0.8	2.5	20	3160	.60	.56	.49	.41	.34
661-PSA6.3VB330M	APSA6R3ELL331MFA5G	330	6.3x10.5	6.3	9.8	6.3+0.5	9.8+1.0	0.8	2.5	28	3190	.60	.56	.49	.41	.34
661-PSA6.3VB390M	APSA6R3ELL391MHB5D	390	8x11.5	8	11.5	8+0.5	11.5+1.5	0.8	3.5	8	5080	.71	.66	.58	.49	.40
661-PSA6.3VB680M	APSA6R3ELL681MHB5D	680	10x11.5	10	11.5	10+0.5	11.5+1.5	0.8	5	7	5860	1.09	1.02	.89	.75	.61
10 Volt																
661-PSA10VB47M	APSA100ELL470MFA5G	47	6.3x10.5	6.3	9.8	6.3+0.5	9.8+1.0	0.8	2.5	25	2820	.60	.56	.49	.41	.34
661-PSA10VB68M	APSA100ELL680MFA5G	68	6.3x10.5	6.3	9.8	6.3+0.5	9.8+1.0	0.8	2.5	25	2820	.60	.56	.49	.41	.34
661-PSA10VB100M	APSA100ELL101MFA5G	100	6.3x10.5	6.3	9.8	6.3+0.5	9.8+1.0	0.8	2.5	25	2820	.60	.56	.49	.41	.34
661-PSA10VB270M	APSA100ELL271MHB5S	270	8x11.5	8	11.5	8+0.5	11.5+1.5	0.8	3.5	9	4710	.72	.67	.58	.50	.40
661-PSA10VB470M	APSA100ELL471MJB5S	470	10x11.5	10	11.5	10+0.5	11.5+1.5	0.8	5	8	5650	1.09	1.02	.89	.75	.61

VISHAY OS-CON Aluminum Electrolytic Capacitors

RoHS Compliant This page of product is compliant.

ORGANIC POLYMER RADIAL LEADED ALUMINUM ELECTROLYTIC CAPACITORS

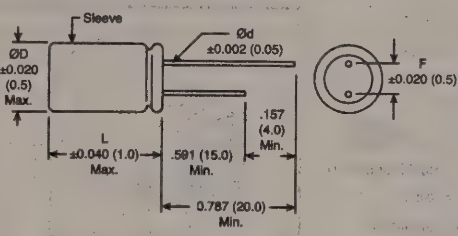
94SA SERIES, OS-CON - Miniaturized - High Capacitance

Specifications:
- Operating Temperature: -55°C to +105°C
- Capacitance Tolerance: X0 = ±20%

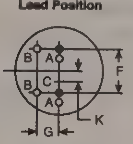
Features:
- Suitable for high frequency switching power supplies.

RoHS Compliant

Temperature Coefficient Ripple Current	
Ambient Temperature	Coefficient
~+45°C	1.0
+85°C	0.7
+95°C	0.4
+105°C	0.25



Standards of Lead Position



● Mark = Ideal Lead Position

C= The Middle Point of A-A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Voltage	Case	Dimensions: in.					Max. ESR	Max. Allowable Ripple	Price Each			
					Nom. Case Size ØD x L	F	Ød	G (Max.)	K (Max.)			1	50	100	200
75-94SA226X0020CBP	94SA226X0020CBP	22	20	C	0.248 x 0.268	0.098±0.02	0.018	0.02	0.02	70	1300	1.30	1.17	.98	.93
75-94SA336X0016CBP	94SA336X0016CBP	33	16	C	0.248 x 0.268	0.098±0.02	0.018	0.02	0.02	70	1370	1.90	1.78	1.49	1.41
75-94SA476X0016DBP	94SA476X0016DBP	47	16	D	0.248 x 0.386	0.098±0.02	0.024	0.02	0.02	60	1830	1.60	1.50	1.25	1.19
75-94SA476X0020EBP	94SA476X0020EBP	47	20	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	40	2450	2.28	2.09	1.66	1.43
75-94SA686X0020EBP	94SA686X0020EBP	68	20	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	36	2600	2.81	2.57	2.16	2.05
75-94SA107X0010EBP	94SA107X0010EBP	100	10	E	0.315 x 0.197	0.138±0.02	0.024	0.031	0.031	32	2350	1.90	1.78	1.49	1.41
75-94SA107X0016EBP	94SA107X0016EBP	100	16	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	30	2740	2.28	2.09	1.76	1.66
75-94SA107X0020FBP	94SA107X0020FBP	100	20	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	30	3210	2.71	2.49	2.09	1.98
75-94SA107X0020FT1	94SA107X0020FT1	100	20	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	30	3210	2.70	2.46	2.07	1.96
75-94SA157X06R3EBP	94SA157X06R3EBP	150	6.3	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	30	2780	2.00	1.80	1.52	1.43
75-94SA157X0016FBP	94SA157X0016FBP	150	16	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	28	3260	2.81	2.57	2.16	2.05
75-94SA227X0010FBP	94SA227X0010FBP	220	10	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	27	3370	2.50	2.27	1.91	1.81
75-94SA227X0010FT1	94SA227X0010FT1	220	10	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	27	3370	2.20	2.00	1.68	1.59
75-94SA337X06R3FBP	94SA337X06R3FBP	330	6.3	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	25	3500	3.10	2.88	2.42	2.29
75-94SA337X06R3FT1	94SA337X06R3FT1	330	6.3	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	25	3500	3.00	2.77	2.33	2.21
75-94SA477X0016GBP	94SA477X0016GBP	470	16	G	0.492 x 0.866	0.197±0.04	0.031	0.031	0.031	20	6080	6.90	6.34	5.32	5.04

94SP SERIES, OS-CON - Low ESR - High Capacitance

Specifications:
- Operating Temperature: -55°C to +105°C
- Capacitance Tolerance: X0 = ±20%

Features:
- Approximately two times the capacitance of existing capacitors and less than half the ESR.
- Ideal for designing around MPU's for computer equipment.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Voltage	Case	Dimensions: in.					Max. ESR	Max. Allowable Ripple	Price Each			
					Nom. Case Size ØD x L	F	Ød	G (Max.)	K (Max.)			1	50	100	200
75-94SP226X0020CBP	94SP226X0020CBP	22	20	C	0.248 x 0.197	0.098±0.02	0.024	0.02	0.02	50	1580	2.29	2.10	1.76	1.66
75-94SP476X0020EBP	94SP476X0020EBP	47	20	E	0.315 x 0.197	0.138±0.02	0.024	0.031	0.031	36	2210	2.49	2.44	1.92	1.81
75-94SP686X06R3CBP	94SP686X06R3CBP	68	6.3	C	0.248 x 0.268	0.098±0.02	0.018	0.02	0.02	40	1850	4.84	4.74	3.74	3.53
75-94SP686X0020FBP	94SP686X0020FBP	68	20	F	0.394 x 0.197	0.197±0.02	0.024	0.031	0.031	34	2800	2.20	2.16	1.69	1.61
75-94SP107X0016FBP	94SP107X0016FBP	100	16	F	0.394 x 0.197	0.197±0.02	0.024	0.031	0.031	32	2890	2.20	2.16	1.69	1.61
75-94SP127X0020EBP	94SP127X0020EBP	120	20	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	24	3110	5.07	4.96	3.91	3.69
75-94SP187X0016EBP	94SP187X0016EBP	180	16	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	20	3410	2.29	2.10	1.76	1.66
75-94SP187X0020FBP	94SP187X0020FBP	180	20	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	20	4280	5.07	4.96	3.91	3.69
75-94SP227X06R3FBP	94SP227X06R3FBP	220	6.3	F	0.394 x 0.197	0.197±0.02	0.024	0.031	0.031	28	3100	1.75	1.72	1.35	1.27
75-94SP277X0016FBP	94SP277X0016FBP	270	16	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	18	4400	3.37	3.30	2.60	2.46
75-94SP477X0010FBP	94SP477X0010FBP	470	10	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	15	4510	2.99	2.95	2.32	2.19
75-94SP567X0004EBP	94SP567X0004EBP	560	4	E	0.315 x 0.413	0.138±0.02	0.024	0.031	0.031	14	4080	2.49	2.44	1.92	1.81
75-94SP687X06R3FBP	94SP687X06R3FBP	680	6.3	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	13	4840	2.49	2.44	1.92	1.81
75-94SP827X0004FBP	94SP827X0004FBP	820	4	F	0.394 x 0.413	0.197±0.02	0.024	0.031	0.031	12	5040	2.79	2.73	2.15	2.04

ORGANIC POLYMER - SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

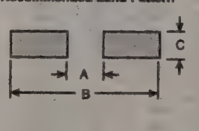
94SVP SERIES, OS-CON - SMD

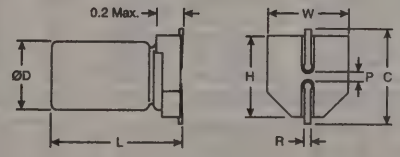
Specifications:
- Operating Temperature: -55°C to +105°C
- Capacitance Tolerance @20Hz: M; ±20%

Features:
- Superior heat-proof characteristics
- Rated ripple current values are guaranteed @ 105°C
- No need to consider derating on maximum allowable ripple current

RoHS Compliant

Recommended Land Pattern





For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Voltage	Case Code	Dimensions: mm							Max. ESR	Max. Allowable Ripple	Price Each			
					ØD ±0.5	L (Max.)	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2			1	50	100	200
75-94SVP476X0020E7	94SVP476X0020E7	47	20	E7	8	7	8.3	8.3	9	0.5 to 0.8	3.2	50	1700	2.38	2.28	2.19	1.71
75-94SVP686X0020F8	94SVP686X0020F8	68	20	F8	10	8	10.3	10.3	11	0.5 to 0.8	4.6	45	2200	2.96	2.64	2.37	2.16
75-94SVP107X0016F8	94SVP107X0016F8	100	16	F8	10	8	10.3	10.3	11	0.5 to 0.8	4.6	40	2400	2.80	2.69	2.58	2.02
75-94SVP107X0020E12	94SVP107X0020E12	100	20	E12	8	12	8.3	8.3	9	0.8 to 1.1	3.2	25	3260	2.83	2.71	2.60	2.03
75-94SVP157X0020F12	94SVP157X0020F12	150	20	F12	10	12.7	10.3	10.3	11	0.8 to 1.1	4.6	21	4220	3.50	3.36	3.22	2.52

RoHS Compliant This page of product is compliant.

CDE CORNELL DUBILIER 380LQ, 85°C SERIES - COMPACT HIGH CAPACITANCE SNAPMOUNT

DIMENSIONS: mm

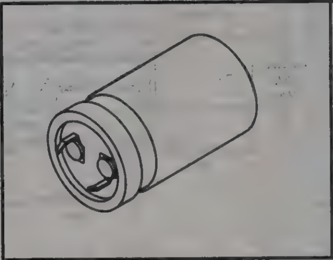
Specifications:

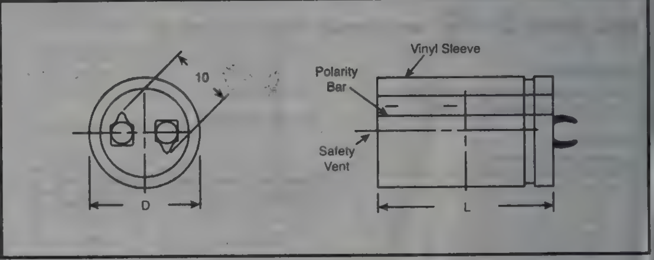
- Voltage rating: 200VDC to 450VDC
- Operating temperature: <250V: -40°C to +85°C; >350V: -25°C to +85°C
- Capacitance Tolerance: 20%
- Life test: 2000 hours @ +85°C at full load
- Leakage Current: ≤ 3 √ CV µA at 5 min.

RoHS Compliant

Features:

- More capacitance per case size
- Average of 27% smaller and more than 10mm shorter than Type 380LX
- Approaching the capability of the 380LX, the 380LQ enables you to shrink equipment size and retain the original performance





For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LQ	Value (µF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
200 WVDC							
5985-380-200V471	471M200H022	470	1.85	22 x 30	2.45	2.18	1.96
5985-380-200V681	681M200H032	680	2.68	22 x 35	3.11	2.76	2.48
5985-380-200V821	821M200J022	820	2.93	25 x 30	3.47	3.08	2.77
5985-380-200V102	102M200J032	1000	3.25	25 x 35	3.69	3.28	2.95
5985-380-200V122	122M200K022	1200	3.50	30 x 30	4.64	4.12	3.71
5985-380-200V152	152M200K032	1500	3.87	30 x 35	5.36	4.76	4.28
5985-380-200V222	222M200K052	2200	4.92	30 x 50	7.74	6.88	6.19
5985-380-200V272	272M200A052	2700	5.45	35 x 50	9.14	8.12	7.31
250 WVDC							
5985-380-250V331	331M250H022	330	1.75	22 x 30	2.48	2.20	1.98
5985-380-250V471	471M250H032	470	2.11	22 x 35	2.99	2.66	2.39
5985-380-250V561	561M250J022	560	2.25	25 x 30	3.53	3.14	2.83
5985-380-250V681	681M250J032	680	2.50	25 x 35	3.94	3.50	3.15
5985-380-250V821	821M250K022	820	2.77	30 x 30	4.66	4.14	3.73
5985-380-250V102	102M250K032	1000	3.32	30 x 35	5.47	4.86	4.37
5985-380-250V122	122M250A032	1200	3.53	35 x 35	6.59	5.86	5.27
5985-380-250V152	152M250K052	1500	4.04	30 x 50	7.36	6.54	5.89
5985-380-250V222	222M250A052	2200	5.00	35 x 50	10.46	9.30	8.37

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LQ	Value (µF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
400 WVDC							
5985-380-400V221	221M400J022	220	1.49	25 x 30	3.38	3.00	2.70
5985-380-400V271	271M400K022	270	1.67	30 x 30	3.92	3.48	3.13
5985-380-400V331	331M400K022	330	1.90	30 x 30	4.64	4.12	3.71
5985-380-400V391	391M400K032	390	2.13	30 x 35	5.36	4.76	4.28
5985-380-400V471	471M400K042	470	2.39	30 x 40	6.37	5.66	5.09
5985-380-400V561	561M400A032	560	2.69	35 x 35	6.95	6.18	5.56
5985-380-400V681	681M400K052	680	2.96	30 x 50	8.91	7.92	7.13
5985-380-400V821	821M400A052	820	3.25	35 x 50	9.65	8.58	7.72
450 WVDC							
5985-380-450V121	121M450H022	120	1.04	22 x 30	2.79	2.48	2.23
5985-380-450V221	221M450K022	220	1.55	30 x 30	4.32	3.84	3.46
5985-380-450V271	271M450K022	270	1.78	30 x 30	5.06	4.50	4.05
5985-380-450V331	331M450K042	330	2.01	30 x 40	5.81	5.16	4.64
5985-380-450V391	391M450K042	390	2.24	30 x 40	7.25	6.44	5.80
5985-380-450V471	471M450A042	470	2.53	35 x 40	8.51	7.56	6.80
5985-380-450V561	561M450A452	560	2.82	35 x 45	9.65	8.58	7.72

CDE CORNELL DUBILIER 380LX, 85°C SERIES - HIGH CAPACITANCE SNAPMOUNT

DIMENSIONS: mm

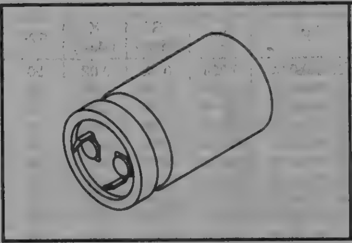
Specifications:

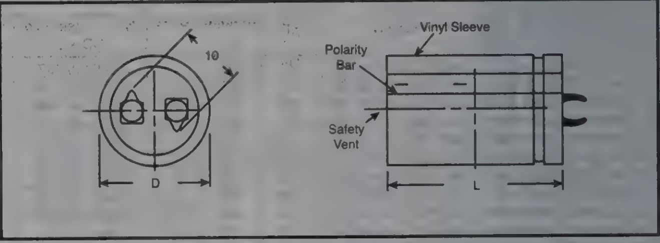
- Voltage Rating: 25VDC to 450VDC
- Operating Temperature: <300V: -40°C to +85°C; ≥ 350V: -25°C to +85°C
- Capacitance Tolerance: 20%
- Life Test: 3000 hours @ +85°CC at full load
- Leakage Current: ≤ 3 √ CV µA at 5 min.
- EIA Ripple Life: 3000 hours @ 85°C

RoHS Compliant

Features:

- More capacitance per case size
- Ideal for switching power supply input and output circuits and motor drives





For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LX	Value (µF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
25 WVDC							
5985-85-25V6800	682M025H022	6,800	3.50	22 x 30	2.82	2.29	2.03
5985-85-25V10000	103M025H032	10,000	3.80	22 x 35	3.25	2.65	2.43
5985-85-25V22000	223M025J052	22,000	6.10	25 x 50	5.18	4.22	3.96
5985-85-25V47000	473M025A052	47,000	8.00	35 x 50	9.74	7.93	7.72
35 WVDC							
5985-85-35V5600	562M035H022	5,600	3.40	22 x 30	3.03	2.47	2.12
5985-85-35V8200	822M035H042	8,200	4.00	22 x 40	4.06	3.48	2.61
5985-85-35V10000	103M035K022	10,000	4.40	30 x 30	4.37	3.56	3.33
5985-85-35V15000	153M035J052	15,000	5.60	25 x 50	5.25	4.28	4.03
5985-85-35V22000	223M035A042	22,000	6.10	35 x 40	7.68	6.26	6.14
5985-85-35V33000	333M035A052	33,000	7.15	35 x 50	10.07	8.21	7.74
50 WVDC							
5985-85-50V3300	332M050H022	3,300	2.70	22 x 30	3.08	2.51	2.12
5985-85-50V4700	472M050H032	4,700	3.00	22 x 35	3.59	2.92	2.43
5985-85-50V4700J	472M050J022	4,700	3.00	25 x 30	3.92	3.36	2.52
5985-85-50V6800	682M050K022	6,800	3.90	30 x 30	4.78	3.89	3.33
5985-85-50V8200	822M050K032	8,200	4.40	30 x 35	5.60	4.56	4.05
5985-85-50V15000	153M050K052	15,000	6.40	30 x 50	8.27	6.74	6.30
5985-85-50V22000	223M050A052	22,000	7.60	35 x 50	10.00	8.00	7.94
63 WVDC							
5985-85-63V4700	472M063K022	4,700	4.40	30 x 30	4.70	3.83	3.49
5985-85-63V8200	822M063A032	8,200	6.00	35 x 35	7.15	5.83	5.47
5985-85-63V10000	103M063A042	10,000	6.50	35 x 40	8.25	6.72	6.26
5985-85-63V12000	123M063A052	12,000	7.20	35 x 50	9.43	7.69	6.66
100 WVDC							
5985-85-100V1000	102M100H022	1,000	2.00	22 x 30	3.21	2.62	2.12

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 380LX	Value (µF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
200 WVDC							
5985-85-200V220	221M200J202	220	0.90	25 x 20	2.82	2.30	2.59
5985-85-200V330	331M200J012	330	1.60	25 x 25	3.22	2.62	2.18
5985-85-200V470	471M200J022	470	1.90	25 x 30	3.63	2.96	2.57
5985-85-200V680	681M200J032	680	2.70	25 x 35	4.52	3.68	3.23
5985-85-200V1200	122M200K452	1,200	3.50	30 x 45	7.21	5.88	4.64
5985-85-200V1500	152M200A042	1,500	3.90	35 x 40	8.73	7.12	6.01
5985-85-200V2200	222M200A052	2,200	4.90	35 x 50	11.47	9.34	7.85
250 WVDC							
5985-85-250V220	221M250H022	220	1.20	22 x 30	3.36	2.80	2.07
5985-85-250V470	471M250J042	470	2.10	25 x 40	4.92	4.10	3.33
5985-85-250V680	681M250A022	680	2.50	35 x 30	7.19	5.99	4.64
5985-85-250V1000	102M250K052	1,000	3.10	30 x 50	8.87	7.39	5.69
5985-85-250V1000A	102M250A042	1,000	3.30	35 x 35	9.42	8.07	6.05
400 WVDC							
5985-85-400V68J	680M4000J202	68	0.35	25 x 20	3.71	3.18	2.39
5985-85-400V100	101M400H022	100	0.90	22 x 30	3.74	3.11	2.32
5985-85-400V560A	561M400A052	560	2.70	35 x 50	10.53	8.25	7.02
5985-85-400V680	681M400A052	680	3.00	35 x 50	14.56	12.48	9.36
450 WVDC							
5985-85-450V47	470M450J202	47	0.30	25 x 20	3.75	3.13	2.34
5985-85-450V68	680M450H022	68	0.80	22 x 30	3.58	2.99	2.18
5985-85-450V100	101M450J022	100	0.90	25 x 30	4.28	3.56	2.77
5985-85-450V120	121M450J022	120	1.00	25 x 30	4.23	3.45	2.99
5985-85-450V220	221M450J052	220	1.60	25 x 50	7.21	6.01	4.34
5985-85-450V330	331M450A042	330	2.00	35 x 40	10.71	8.93	6.64
5985-85-450V470	471M450A052	470	2.50	35 x 50	12.53	10.21	8.73

RoHS Compliant This page of product is compliant.

CORNELL DUBILIER 381LQ, 105°C SERIES - COMPACT HIGH RIPPLE SNAPMOUNT

DIMENSIONS: mm

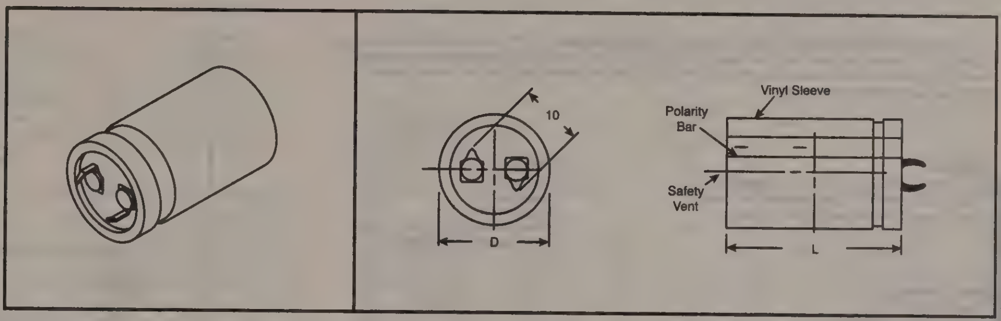
Specifications:

- Voltage rating: 200VDC to 450VDC
- Operating temperature: <315V: -40°C to +105°C; >350V: -25°C to +105°C
- Capacitance Tolerance: 20%
- Life test: 2000 hours @ +85°C at full load
- Leakage Current: ≤ 3 √ CV μA at 5 min.
- EIA Ripple Life: 8000 hours @ 85°C

Features:

- More capacitance per case size
- Average of 23% smaller and more than 5mm shorter than Type 381LX
- The 381LQ enables you to shrink equipment size and retain the original performance

RoHS Compliant



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 381LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
200 WVDC							
5985-381-200V470	471M200H022	470	2.03	22X30	**3.14**	**2.85**	**2.28**
5985-381-200V680	681M200J022	680	2.45	25X30	**3.91**	**3.55**	**2.84**
5985-381-200V820	821M200J032	820	2.86	25X35	**4.57**	**4.15**	**3.32**
5985-381-200V1000	102M200K022	1000	3.22	30X30	**5.42**	**4.93**	**3.94**
5985-381-200V1200	122M200A022	1200	3.71	35X30	**6.93**	**6.30**	**5.04**
5985-381-200V1500	152M200K042	1500	3.92	35X40	**7.37**	**6.70**	**5.36**
5985-381-200V1800	182M200A042	1800	4.31	35X40	**10.04**	**9.13**	**7.30**
5985-381-200V2200	222M200K052	2200	4.87	30X50	**10.75**	**9.78**	**7.82**
250 WVDC							
5985-381-250V330	331M250H022	330	1.68	22X30	**3.30**	**3.00**	**2.40**
5985-381-250V390	391M250H032	390	1.82	22X35	**3.74**	**3.40**	**2.72**
5985-381-250V470	471M250J022	470	1.96	25X30	**4.40**	**4.00**	**3.20**
5985-381-250V560	561M250J032	560	2.10	25X35	**4.73**	**4.30**	**3.44**
5985-381-250V680	681M250K022	680	2.38	30X30	**5.25**	**4.78**	**3.82**
5985-381-250V820	821M250K032	820	2.80	30X35	**6.08**	**5.53**	**4.42**
5985-381-250V1000	102M250K042	1000	3.08	30X40	**7.04**	**6.40**	**5.12**
5985-381-250V1800	182M250A052	1800	3.78	35X50	**13.12**	**11.93**	**9.54**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 381LQ	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
400 WVDC							
5985-381-400V220	221M400J032	220	1.54	25X35	**4.90**	**4.45**	**3.56**
5985-381-400V270	271M400K022	270	1.71	30X30	**6.16**	**5.60**	**4.48**
5985-381-400V330	331M400K032	330	2.02	30X35	**7.07**	**6.43**	**5.14**
5985-381-400V390	391M400K042	390	2.17	30X40	**8.39**	**7.63**	**6.10**
5985-381-400V470	471M400A032	470	2.35	35X35	**9.85**	**8.95**	**7.16**
5985-381-400V560	561M400A042	560	2.66	35X40	**10.89**	**9.90**	**7.92**
5985-381-400V680	681M400A452	680	2.97	35X45	**12.54**	**11.40**	**9.12**
450 WVDC							
5985-381-450V100	101M450H022	100	0.9	22X30	**3.71**	**3.38**	**2.70**
5985-381-450V120	121M450H032	120	1.01	22X35	**4.07**	**3.70**	**2.96**
5985-381-450V150	151M450J022	150	1.11	25X30	**4.98**	**4.53**	**3.62**
5985-381-450V180	181M450K022	180	1.22	30X30	**6.41**	**5.83**	**4.66**
5985-381-450V220	221M450K022	220	1.40	30X30	**6.96**	**6.33**	**5.06**
5985-381-450V270	271M450K042	270	1.67	30X40	**8.06**	**7.33**	**5.86**
5985-381-450V330	331M450A032	330	1.93	35X35	**8.91**	**8.10**	**6.48**
5985-381-450V390	391M450A042	390	2.17	35X40	**9.98**	**9.08**	**7.26**
5985-381-450V470	471M450A452	470	2.44	35X45	**11.72**	**10.65**	**8.52**
5985-381-450V560	561M450A052	560	2.66	35X50	**14.05**	**12.78**	**10.22**

CDE CORNELL DUBILIER 381LX, 105°C SERIES - HIGH RIPPLE SNAPMOUNT

DIMENSIONS: mm

Specifications:

- Voltage Rating: 16VDC to 450VDC
- Operating Temperature: <315V: -40°C to +105°C; ≥ 350V: -25°C to +105°C
- Capacitance Tolerance: 20%
- Leakage Current: ≤ 3 √ CV μA at 5 min.
- EIA Ripple Life: 12,000 hours @ 85°C

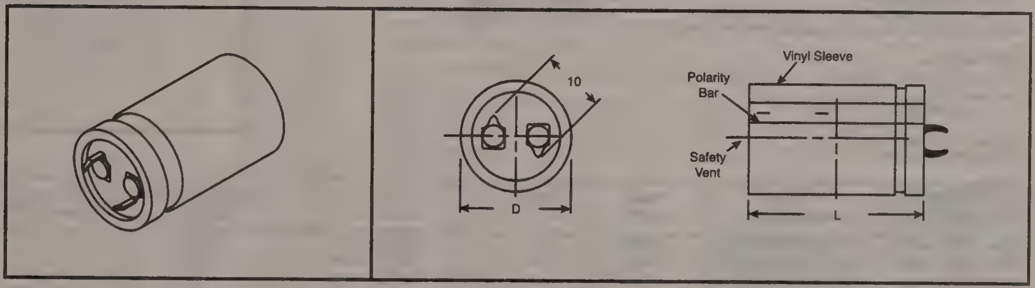
Features:

- More capacitance per case size
- 4 Times the life of 380LX Series
- High ripple capability

RoHS Compliant

Applications:

- Power supply input and output circuits
- Motor-drives



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 381LX	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
16 WVDC							
5985-16V10000	103M016J012	10,000	2.60	25 x 25	**2.97**	**2.58**	**2.41**
5985-16V15000	153M016J032	15,000	3.20	25 x 35	**3.45**	**3.14**	**2.81**
25 WVDC							
5985-25V10000	103M025J032	10,000	3.00	25 x 35	**3.65**	**2.97**	**2.80**
5985-25V15000	153M025J452	15,000	3.60	25 x 45	**4.03**	**3.55**	**3.23**
35 WVDC							
5985-35V4700J	472M035J012	4,700	1.60	25 x 25	**3.62**	**3.10**	**2.43**
5985-35V10000	103M035J052	10,000	3.50	25 x 50	**4.77**	**3.88**	**3.74**
5985-35V22000	223M035A052	22,000	5.00	35 x 50	**8.10**	**7.34**	**6.60**
63 WVDC							
5985-63V2200	222M063J022	2,200	2.00	25 x 30	**2.80**	**2.37**	**2.15**
5985-63V10000	103M063A052	10,000	4.40	35 x 50	**8.01**	**7.15**	**6.72**
200 WVDC							
5985-200V220	221M200H012	220	1.00	22 x 25	**2.78**	**2.26**	**2.06**
5985-200V330H	331M200H022	330	1.20	22 x 30	**3.01**	**2.48**	**2.36**
5985-200V330	331M200J012	330	1.20	25 x 25	**3.36**	**2.73**	**2.41**
5985-200V470	471M200J032	470	1.40	25 x 35	**4.39**	**3.66**	**2.92**
5985-200V680	681M200J042	680	1.70	25 x 40	**4.82**	**3.93**	**3.56**
5985-200V680K	681M200K022	680	1.70	30 x 30	**3.80**	**3.34**	**3.04**
5985-200V1000K	102M200K032	1,000	2.20	30 x 35	**5.72**	**4.98**	**4.38**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Type 381LX	Value (μF)	Ripple(A) @ 85°C/120Hz	Case D x L (mm)	Price Each		
					1	10	25
200 WVDC (Cont.)							
5985-200V1200	122M200K052	1,200	2.30	30 x 50	**7.83**	**6.38**	**5.92**
5985-200V1500	152M200A042	1,500	2.50	35 x 40	**9.37**	**7.63**	**7.38**
250 WVDC							
5985-250V180	181M250J012	180	1.30	25 x 25	**3.45**	**2.88**	**2.47**
5985-250V220	221M250J012	220	1.00	25 x 25	**3.46**	**2.89**	**2.48**
5985-250V330	331M250K012	330	1.20	30 x 25	**4.34**	**3.54**	**3.26**
5985-250V390	391M250J032	390	1.30	25 x 35	**4.89**	**4.08**	**3.43**
5985-250V680	681M250K452	680	1.70	30 x 45	**6.21**	**5.40**	**5.08**
5985-250V1000	102M250A452	1,000	2.20	35 x 45	**8.92**	**7.75**	**7.29**
5985-250V1500	152M250A052	1,500	2.50	35 x 50	**11.39**	**9.90**	**9.31**
450 WVDC							
5985-450V100	101M450J042	100	.60	25 x 40	**5.08**	**4.23**	**3.72**
5985-450V150	151M450K022	150	.80	30 x 30	**6.80**	**5.67**	**4.73**
5985-450V220	221M450K052	220	.90	30 x 50	**7.26**	**6.30**	**5.92**
5985-450V220A	221M450A042	220	.90	35 x 40	**7.75**	**6.70**	**6.30**
5985-450V270	271M450A032	270	1.20	35 x 35	**8.93**	**7.65**	**7.05**
5985-450V330	331M450A042	330	1.40	35 x 40	**12.83**	**10.69**	**8.65**
5985-450V470	471M450A052	470	1.70	35 x 50	**15.24**	**11.29**	**10.08**

FLATPACK® 85°C ULTRA LONG LIFE CAPACITORS

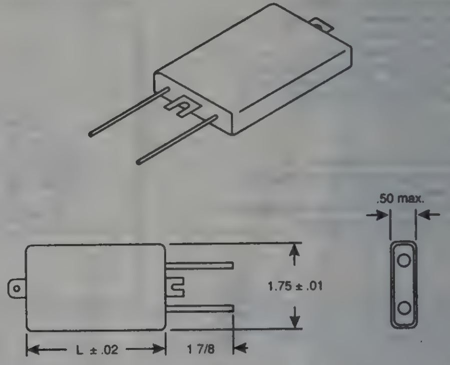
The MLP Flatpack® series unique flat design increases available board space by 27% compared to standard round capacitors. The broad, flat sides make heat-sinking simple and effective, and the box shape encourages efficient stacking. High-purity material assure extremely long life, and for values rated at 250V and less exhibit superior low -temperature impedance down to -55°C.

Features:
- Low profile replacement for snap-in capacitors
- Can readily heat sink to double the ripple capability
- Near-hermetic welded seal assures 50-year life

Type MLP:
- Avionics
- Telecom
- power supply
- Circuit cards
- High power inverter/converter

Specifications:
- Height: < 1/2"
- Capacitance: 220-20,000μF
- Voltage: 25-450VDC
- Operates: -55°C to 85°C for 250V, -40°C to 85°C for >250V
- 2,000-Hour life test: 85°C
- Type MLP delivers 25 joules of energy storage in a 1/2" height with 50 years life @ +45°C

DIMENSIONS (IN)



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Volt (DC)	Value (μF)	Case Size D x L (IN)	Max. ESR (MΩ)		Ripple (A) at 85°		Price Each		
					120 Hz	20 kHz	120 Hz	20 kHz	1	10	25
5987-50V442	MLP442M050EK1A	50	4400	1.75 X 1.5	97	70	3.7	4.4	45.15	38.41	37.04
5987-50V113	MLP113M050EB1A	50	11000	1.75 X 3.0	36	27	8.3	9.6	56.49	48.06	46.34
5987-63V222	MLP222M063EK1A	63	2200	1.75 X 1.5	101	76	3.7	4.2	58.22	50.32	47.13
5987-80V332	MLP332M080EB1A	80	3300	1.75 X 3.0	44	31	7.5	9.0	72.84	62.97	58.97
5987-250V821	MLP821M250EB1A	250	820	1.75 X 3.0	172	103	3.8	4.9	56.49	48.06	46.34
5987-400V301	MLP301M400EB1A	400	300	1.75 X 3.0	530	390	2.1	2.5	81.57	70.51	66.03
5987-450V281	MLP281M450EB0A	450	280	1.75 X 3.0	585	480	2.0	2.3	81.57	70.51	66.03

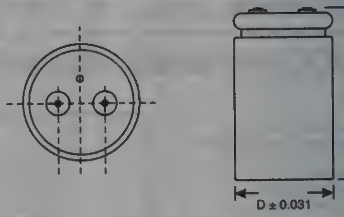
DCMC 85°C HIGH CAPACITANCE SCREW TERMINAL LARGE CAN

Features:
- Low ESR
- High capacitance value
- Handle large ripple current
- Thermal-Pak extended cathode construction assures cool operation with heat flow from the capacitor element to the can

Applications:
- Power supply filters
- UPS systems
- Computer hold-up power
- Energy storage applications

Specifications:
- Voltage range: 6.3VDC to 450VDC
- Temperature range: -40°C to 85°C
- Tolerance: <200VDC = -10 to +75%
  ≥200VDC = -10 to +50%
- Capacitance Range: 110μF to 2.7F
- Life: 2000 hours @ 85°C

DIMENSIONS: In.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part Number	Value (μF)	Voltage (V)	Case D x L (In.)	Max. ESR (MΩ) 120Hz/20°C	Max. Ripple (A) 120Hz/105°C	Price Each			
							1	5	10	25
598-DCMC16V213	DCMC213U016AK2B	21000	16	1.375 x 1.625	46.9	4.1	15.18	12.46	11.83	11.35
598-DCMC16V353	DCMC353U016AA2B	35000	16	1.375 x 2.125	26.5	6.1	17.20	14.11	13.41	12.86
598-DCMC16V623	DCMC623U016AB2B	62000	16	1.375 x 3.125	15.5	9.7	72.63	59.59	56.61	54.32
598-DCMC16V903	DCMC903U016AC2B	90000	16	1.375 x 4.125	11.0	13.5	26.18	21.48	20.41	19.58
598-DCMC16V204	DCMC204U016BC2B	200000	16	2.000 x 4.125	7.4	17.4	46.80	38.40	36.48	35.00
598-DCMC25V123	DCMC123U025AK2B	12000	25	1.375 x 1.625	37.1	4.7	14.92	12.24	11.63	11.16
598-DCMC25V333	DCMC333U025AB2B	33000	25	1.375 x 3.125	19.3	8.2	20.24	16.61	15.78	15.14
598-DCMC25V473	DCMC473U025BA2B	47000	25	2.000 x 2.125	21.8	9.3	27.00	22.15	21.04	20.19
598-DCMC25V523	DCMC523U025AC2B	52000	25	1.375 x 4.125	17.6	10.7	25.16	20.64	19.61	18.81
598-DCMC25V124	DCMC124U025BC2B	120000	25	2.000 x 4.125	8.3	16.6	45.63	37.44	35.57	34.13
598-DCMC50V103	DCMC103U050AA2B	10000	50	1.375 x 2.125	30.9	5.6	17.58	14.42	13.70	13.15
598-DCMC50V123	DCMC123U050AH2B	12000	50	1.375 x 2.625	25.9	6.7	18.92	15.53	14.75	14.15
598-DCMC50V163	DCMC163U050AB2B	16000	50	1.375 x 3.125	23.6	7.4	21.32	17.50	16.62	15.95
598-DCMC50V263	DCMC263U050AC2B	26000	50	1.375 x 4.125	18.7	10.4	27.29	22.39	21.27	20.41
598-DCMC50V383	DCMC383U050BB2B	38000	50	2.000 x 3.125	16.3	11.9	37.91	31.10	29.55	28.35
598-DCMC63V702	DCMC702U063AA2B	7000	63	1.375 x 2.125	39.0	5.0	17.49	14.35	13.63	13.08
598-DCMC75V223	DCMC223U075AF2B	22000	75	1.375 x 5.625	21.4	10.8	31.56	25.90	24.60	23.60
598-DCMC100V392	DCMC392U100AH2B	3900	100	1.375 x 2.625	51.0	4.7	19.60	16.08	15.28	14.66
598-DCMC100V103	DCMC103U100AD2B	10000	100	1.375 x 4.625	31.1	7.5	31.79	26.09	24.78	23.78
598-DCMC100V163	DCMC163U100EC2B	16000	100	1.750 x 4.125	28.8	8.0	44.52	36.53	34.70	33.29
598-DCMC100V183	DCMC183U100ED2B	18000	100	1.750 x 4.625	21.2	9.8	48.44	39.74	37.76	36.23
598-DCMC100V203	DCMC203U100BC2B	20000	100	2.000 x 4.125	19.9	10.7	54.81	44.98	42.73	40.99
598-DCMC200V352	DCMC352T200BC2B	3500	200	2.000 x 4.125	0.03	10.8	36.80	30.19	28.68	27.52
598-DCMC200V912	DCMC912T200BE2A	9100	200	2.000 x 5.125	21.7	10.5	70.49	57.84	54.95	52.72
598-DCMC250V152	DCMC152T250AB2B	1500	250	1.375 x 3.125	88.0	4.1	24.48	20.09	19.08	18.31
598-DCMC250V472	DCMC472T250BC2B	4700	250	2.000 x 4.125	31.5	8.9	54.76	44.93	42.68	40.95
598-DCMC250V682	DCMC682T250BF2B	6800	250	2.000 x 5.625	21.2	11.9	19.19	15.74	14.96	14.35
598-DCMC450V271	DCMC271T450AA2B	270	450	1.375 x 2.125	437.7	1.5	19.28	15.82	15.03	14.42
598-DCMC450V471	DCMC471T450AB2B	470	450	1.375 x 3.125	253.2	2.4	25.07	20.57	19.54	18.75
598-DCMC450V102	DCMC102T450BB2B	1000	450	2.000 x 3.125	137.0	4.3	43.58	35.76	33.97	32.59

MALLORY Aluminum Electrolytic Capacitors

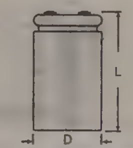
CDE CORNELL DUBILIER

CGS - COMPUTER GRADE SERIES 85°C LARGE CAN SCREW TERMINAL

Specifications:
- Temperature range: -40° to +85°C
- DC Leakage Current:
  I = .006 √CV after 30 minutes
  Not to exceed 6mA
  C = Capacitance in µF
  V = Rated Voltage
  I = Leakage Current in mA

QA Stability Test:
Apply WVDC for 2,000 hrs at 85°C
- Capacitance change ≤10% from initial limits
- DC leakage currents meets initial limits
- ESR ≤ 175% of initial measured value

DIMENSIONS: in.



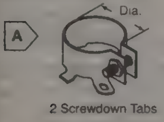
RoHS Compliant

Mallory CGS Series Equivalents	
Collins - CES Series General Electric - 86F Series	Mepco-electra - 3186/91C & 91F Series Rubycon - LSA Series

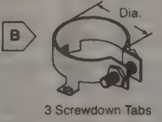
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Cap (µF)	Case DxL (in.)	Price Each		
				1	10	25
16 Volt						
539-CGS16V15000	CGS153U016R2L	15000	1.375 X 2.625	14.15	12.81	11.46
539-CGS16V17000	CGS173U016R3C	17000	1.375 X 3.125	13.58	12.28	10.99
539-CGS16V25000	CGS253U016R4C	25000	1.375 X 4.125	16.74	15.56	13.73
539-CGS16V38000	CGS383U016V3C	38000	2.000 X 3.125	16.11	14.74	14.05
539-CGS16V50000	CGS503U016V3C	50000	2.000 X 3.125	19.43	17.58	15.73
539-CGS663U016V4C	CGS663U016V4C	66000	2.000 X 4.125	23.72	22.04	19.44
539-CGS16V110000	CGS114U016W4C	110000	2.500 X 4.125	27.04	24.46	21.89
539-CGS16V210000	CGS214U016X5R	210000	3.000 X 5.875	48.10	43.51	38.93
25 Volt						
539-CGS25V8900	CGS892U025R3C	8900	1.375 X 3.125	14.73	13.32	11.92
539-CGS103U025RC3	CGS103U025R3C	10000	1.375 X 3.125	14.41	13.39	11.81
539-CGS25V12000	CGS123U025V3C	12000	2.000 X 3.125	19.96	18.07	16.16
539-CGS25V18000	CGS183U025R4C	18000	1.375 X 4.125	16.87	15.26	13.65
539-CGS25V20000	CGS203U025V3C	20000	2.000 X 3.125	18.50	16.75	14.98
539-CGS25V47000	CGS473U025V4C	47000	2.000 X 4.125	23.92	21.65	19.37
30 Volt						
539-CGS30V8000	CGS802U030R3C	8000	1.375 X 3.125	13.67	12.37	11.07
539-CGS30V30000	CGS303U030V4C	30000	2.000 X 4.125	22.51	20.91	18.45
539-CGS30V55000	CGS553U030W4C	55000	2.500 X 4.125	29.62	26.80	23.99
40 Volt						
539-CGS40V2200	CGS222U040R2C	2200	1.375 X 2.125	13.43	12.16	10.88
539-CGS40V2700	CGS272U040R2C	2700	1.375 X 2.125	13.67	12.37	11.07
539-CGS40V3500	CGS352U040R2C	3500	1.375 X 2.125	12.97	11.74	10.51
539-CGS472U040R2C	CGS472U040R2C	4700	1.375 X 2.125	13.50	12.54	11.06
539-CGS40V5100	CGS512U040R3C	5100	1.375 X 3.125	14.89	13.47	12.06
539-CGS40V6000	CGS602U040R3C	6000	1.375 X 3.125	14.55	13.52	11.93
539-CGS40V9000	CGS902U040R4C	9000	1.375 X 4.125	17.00	15.39	13.76
539-CGS40V11000	CGS113U040V3C	11000	2.000 X 3.125	17.30	16.04	15.31
539-CGS40V12000	CGS123U040R4C	12000	1.375 X 4.125	16.87	15.26	13.65
539-CGS40V13000	CGS133U040V4C	13000	2.000 X 4.125	24.46	22.14	19.81
539-CGS223U040V3C	CGS223U040V3C	22000	2.000 X 3.125	20.79	19.32	17.04
539-CGS40V23000	CGS233U040V4C	23000	2.000 X 4.125	26.99	24.43	21.85
539-CGS40V33000	CGS333U040V4C	33000	2.000 X 4.125	25.87	24.03	21.21
539-CGS40V40000	CGS403U040W4C	40000	2.500 X 4.125	28.35	25.66	22.95
539-CGS683U040X4C	CGS683U040X4C	68000	3.000 X 4.125	41.36	38.42	33.90
50 Volt						
539-CGS50V1600	CGS162U050R2C	1600	1.375 X 2.125	11.14	10.25	9.75
539-CGS50V2200	CGS222U050R2C	2200	1.375 X 2.125	13.99	12.67	11.33
539-CGS50V2900	CGS292U050R3C	2900	1.375 X 3.125	15.33	13.87	12.41
539-CGS50V4100	CGS412U050R3C	4100	1.375 X 3.125	15.37	13.91	12.45
539-CGS50V5000	CGS502U050R3C	5000	1.375 X 3.125	12.98	11.87	11.31
539-CGS50V6100	CGS612U050R4C	6100	1.375 X 4.125	16.96	15.35	13.72
539-CGS50V6500	CGS652U050V3C	6500	2.000 X 3.125	20.15	18.24	16.31
539-CGS682U050R3C	CGS682U050R3C	6800	1.375 X 3.125	13.86	12.88	11.36
539-CGS50V9600	CGS962U050V4C	9600	2.000 X 4.125	22.80	20.63	18.46
539-CGS50V10000	CGS103U050R4C	10000	1.375 X 4.125	15.09	13.80	13.14
539-CGS50V13000	CGS133U050V3C	13000	2.000 X 3.125	19.76	18.36	16.20
539-CGS50V15000	CGS153U050V4C	15000	2.000 X 4.125	18.57	17.26	16.42
539-CGS50V18000	CGS183U050V3C	18000	2.000 X 3.125	18.76	17.22	16.29
539-CGS50V20000	CGS203U050V4C	20000	2.000 X 4.125	23.05	20.86	18.65
539-CGS50V25000	CGS253U050W4C	25000	2.500 X 4.125	27.69	25.05	22.42
539-CGS313U050W4C	CGS313U050W4C	31000	2.500 X 4.125	31.11	28.90	25.50
539-CGS50V48000	CGS483U050X4C	48000	3.000 X 4.125	47.34	44.01	38.83
539-CGS50V56000	CGS563U050X3L	56000	3.000 X 3.625	48.02	43.45	38.88
50 Volt (cont.)						
539-CGS603U050X5C	CGS603U050X5C	60000	3.000 X 5.125	49.82	46.28	40.84
75 Volt						
539-CGS75V1500	CGS152U075R3C	1500	1.375 X 3.125	15.10	13.66	12.22
539-CGS75V2100	CGS212U075R3C	2100	1.375 X 3.125	14.59	13.20	11.81
539-CGS222U075R2C	CGS222U075R2C	2200	1.375 X 2.125	13.50	12.54	11.06
539-CGS75V2900	CGS292U075R3C	2900	1.375 X 3.125	21.78	19.70	17.63
539-CGS75V4200	CGS422U075R4C	4200	1.375 X 4.125	18.26	16.52	14.77
539-CGS75V4800	CGS482U075V3C	4800	2.000 X 3.125	18.63	17.04	16.25
539-CGS75V10000S	CGS103U075V3C	10000	2.000 X 3.125	19.02	17.40	16.56
539-CGS75V10000L	CGS103U075V4C	10000	2.000 X 4.125	19.59	17.98	17.12
539-CGS75V10000	CGS103U075R3C	10000	1.375 X 3.125	20.34	18.60	17.71
539-CGS123U075V4C	CGS123U075V4C	12000	2.000 X 4.125	23.17	21.53	18.99
539-CGS153U075V5L	CGS153U075V5L	15000	2.000 X 5.625	25.25	23.46	20.70
539-CGS75V25000L	CGS253U075W5L	25000	2.500 X 5.625	37.16	33.62	30.07
539-CGS75V25000S	CGS253U075X4C	25000	3.000 X 4.125	36.53	33.05	29.57
539-CGS75V37000	CGS373U075X5L	37000	3.000 X 5.625	50.32	45.53	40.73
100 Volt						
539-CGS100V1700	CGS172U100R3C	1700	1.375 X 3.125	13.58	12.28	10.99
539-CGS100V4000	CGS402U100V4C	4000	2.000 X 4.125	22.98	20.79	18.61
539-CGS100V10000	CGS103U100W4C	10000	2.500 X 4.125	26.49	24.03	22.87
539-CGS100V15000	CGS153U100X4C	15000	3.000 X 4.125	35.10	32.61	31.02
150 Volt						
539-CGS150V400	CGS401U150R2C	400	1.375 X 2.125	14.04	12.71	11.37
539-CGS150V12000	CGS123U150X5L	12000	3.000 X 5.625	61.40	57.04	50.33
200 Volt						
539-CGS200V1000	CGS102T200R4C	1000	1.375 X 4.125	14.92	13.65	13.01
539-CGS162T200V3C	CGS162T200V3C	1600	2.000 X 3.125	20.50	19.04	16.80
539-CGS200V2000	CGS202T200V4C	2000	2.000 X 4.125	23.26	21.04	18.83
539-CGS200V5400	CGS542T200X4L	5400	3.000 X 4.625	52.19	47.22	42.25
539-CGS200V7400	CGS742T200X5L	7400	3.000 X 5.625	94.46	85.40	76.29
539-CGS200V7700	CGS772T200X5L	7700	3.000 X 5.625	54.35	49.17	44.00
250 Volt						
539-CGS250V200	CGS201T250R2C	200	1.375 X 2.125	13.73	12.42	11.11
539-CGS251T250R2C	CGS251T250R2C	250	1.375 X 2.125	13.50	12.54	11.06
539-CGS250V550	CGS551T250R4C	550	1.375 X 4.125	17.00	15.39	13.76
539-CGS250V1200	CGS122T250V3C	1200	2.000 X 3.125	18.76	17.39	16.60
539-CGS250V6000	CGS602T250X5L	6000	3.000 X 5.625	66.25	59.95	53.64
350 Volt						
539-CGS350V250	CGS251T350R3C	250	1.375 X 3.125	14.98	13.92	12.28
539-CGS350V102V4C	CGS102T350V4C	1000	2.000 X 4.125	25.57	23.76	20.96
539-CGS350V3300	CGS332T350X5L	3300	3.000 X 5.625	64.26	58.14	52.02
450 Volt						
539-CGS450V75	CGS750T450R2C	75	1.375 X 2.125	13.43	12.16	10.88
539-CGS450V100	CGS101T450R2C	100	1.375 X 2.125	14.08	12.75	11.41
539-CGS450V140	CGS141T450R3C	140	1.375 X 3.125	12.63	11.52	11.02
539-CGS450V170	CGS171T450R3C	170	1.375 X 3.125	12.95	12.50	11.61
539-CGS450V210	CGS211T450R4C	210	1.375 X 4.125	14.38	13.20	12.49
539-CGS450V320	CGS321T450V3C	320	2.000 X 3.125	21.63	19.57	17.51
539-CGS450V400	CGS401T450R5L	400	1.375 X 5.625	23.93	21.65	19.37
539-CGS450V450	CGS451T450V3C	450	2.000 X 3.125	25.76	23.31	20.85
539-CGS450V650	CGS651T450V4C	650	2.000 X 4.125	28.88	26.14	23.38
539-CGS450V800	CGS801T450V4L	800	2.000 X 4.625	35.42	32.05	28.67
539-CGS450V1000	CGS102T450W4C	1000	2.500 X 4.125	37.57	33.99	30.41
539-CGS450V1400	CGS142T450W5C	1400	2.500 X 5.125	47.81	43.26	38.71
539-CGS152T450X5C	CGS152T450X5C	1500	3.000 X 5.125	54.12	50.28	44.36
539-CGS450V2000	CGS202T450X5C	2000	3.000 X 5.125	67.13	60.74	54.34
539-CGS450V2400	CGS242T450X5L	2400	3.000 X 5.625	77.00	69.67	62.33
539-CGS450V3300	CGS332T450X5L	3300	3.000 X 5.625	99.45	89.98	80.50
539-CGS472T450X5C	CGS472T450X5C	4700	3.000 X 5.125	128.74	119.60	105.53

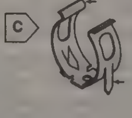
MOUNTING HARDWARE



2 Screwdown Tabs



3 Screwdown Tabs



Squeeze ends together & slide in. Tabs retain clip when released.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Diameter (in.)	Description	Price Each	
Unassembled	Assembled				1	25
539-VR3	539-VR3A	A	1.375 - 1.44	Vertical mount, 2 screwdown tabs	1.57	1.48
539-VR6	539-VR6A	B	1.75 - 1.81	Vertical mount, 3 screwdown tabs	2.65	2.41
539-VR8	539-VR8A	B	2 - 2.06	Vertical mount, 3 screwdown tabs	2.42	2.20
539-VR10	539-VR10A	B	2.5 - 2.56	Vertical mount, 3 screwdown tabs	2.67	2.44
539-VR12	539-VR12A	B	3 - 3.125	Vertical mount, 3 screwdown tabs	2.93	2.66
539-TH25	- - - - -	C	1.375 - 1.44	Horizontal mount	2.17	1.97

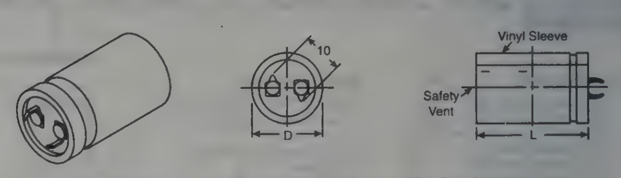
UNITED CHEMI-CON Aluminum Electrolytic Capacitors

RoHS Compliant This page of product is compliant.

KMH 105°C SNAP MOUNT HIGH CAPACITANCE SERIES

The KMH series are the standard 105°C, large capacitance, snap-in capacitors. The very high CV values and ripple current capabilities make these capacitors ideal for use in power supply filter circuits. The standard KMH capacitors are non-solvent proof and are not recommended when halogenated cleaning solvents are used.

Specifications:
- Operating Temperature range: -40°C to +105°C for 6.3 to 100VDC, -25°C to +105°C for 160 to 450VDC
- Rated Lifetime: 2,000 hours @ +105°C



Dimensions (D x L in mm) printed in BOLD in UCC Part Number

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	50	100	500
16 Volt							
661-EKMH160VNN223MQ	EKMH160VNN223MQ45T	22000	0.03	3.02	2.69	2.42	2.28
661-EKMH160VNN223MR	EKMH160VNN223MR35T	22000	0.03	2.82	2.74	2.26	2.12
25 Volt							
661-EKMH250VNN472MP	EKMH250VNN472MP25T	4700	0.106	1.65	1.60	1.32	1.24
661-EKMH250VNN123MP	EKMH250VNN123MP45T	12000	0.041	3.51	3.21	2.92	2.34
661-EKMH250VNN223MR	EKMH250VNN223MR45T	22000	0.023	4.34	3.85	3.47	3.28
661-EKMH250VNN273MA	EKMH250VNN273MA45T	27000	0.018	8.47	7.77	7.07	5.65
661-EKMH250VNN333MA	EKMH250VNN333MA50T	33000	0.015	4.36	4.24	3.29	3.28
35 Volt							
661-EKMH350VNN332MP	EKMH350VNN332MP25T	3300	0.126	1.66	1.61	1.33	1.25
661-EKMH350VNN472MP	EKMH350VNN472MP35T	4700	0.088	2.92	2.68	2.44	1.95
661-EKMH350VNN562MP	EKMH350VNN562MP35T	5600	0.074	2.92	2.68	2.44	1.95
661-EKMH350VNN682MP	EKMH350VNN682MP40T	6800	0.061	3.02	2.77	2.52	2.02
661-EKMH350VNN682MQ	EKMH350VNN682MQ35T	6800	0.061	2.46	2.18	1.96	1.86
661-EKMH350VNN103MR	EKMH350VNN103MR35T	10000	0.041	2.94	2.86	2.35	4.00
661-EKMH350VNN123MQ	EKMH350VNN123MQ50T	12000	0.035	3.41	3.04	2.73	2.57
661-EKMH350VNN333MA	EKMH350VNN333MA63T	33000	0.012	9.16	8.40	7.63	6.10
50 Volt							
661-EKMH500VNN472MR	EKMH500VNN472MR30T	4700	0.071	2.67	2.60	2.14	2.01
661-EKMH500VNN682MR	EKMH500VNN682MR40T	6800	0.049	2.90	2.82	2.35	2.18
661-EKMH500VNN822MA	EKMH500VNN822MA35T	8200	0.04	5.24	4.65	4.19	3.96
63 Volt							
661-EKMH630VNN222MP	EKMH630VNN222MP35T	2200	0.113	1.86	1.81	1.49	1.40
661-EKMH630VNN272MR	EKMH630VNN272MR25T	2700	0.092	3.54	3.25	2.95	2.36
661-EKMH630VNN472MQ	EKMH630VNN472MQ50T	4700	0.053	3.12	2.77	2.50	2.35
661-EKMH630VNN472MR	EKMH630VNN472MR40T	4700	0.053	2.89	2.82	2.32	2.18
661-EKMH630VNN562MR	EKMH630VNN562MR45T	5600	0.044	5.03	4.61	4.19	3.36
661-EKMH630VNN682MR	EKMH630VNN682MR50T	6800	0.037	3.32	3.24	2.66	2.50
661-EKMH630VNN103MA	EKMH630VNN103MA50T	10000	0.025	4.52	4.40	3.62	3.40
80 Volt							
661-EKMH800VNN392MA	EKMH800VNN392MA35T	3900	0.064	5.98	5.48	4.98	3.98
661-EKMH800VNN472MR	EKMH800VNN472MR50T	4700	0.053	3.32	3.23	2.66	2.49
100 Volt							
661-EKMH101VNN391MP	EKMH101VNN391MP25T	390	0.425	1.62	1.58	1.30	1.22
661-EKMH101VNN222MR	EKMH101VNN222MR40T	2200	0.113	2.99	2.91	2.39	2.25
661-EKMH101VNN392MA	EKMH101VNN392MA45T	3900	0.064	7.62	6.77	6.10	5.77
200 Volt							
661-EKMH201VNN271MP	EKMH201VNN271MP25T	270	0.614	1.84	1.79	1.47	1.38
661-EKMH201VNN331MP	EKMH201VNN331MP30T	330	0.502	1.93	1.87	1.54	1.45
661-EKMH201VNN471MQ	EKMH201VNN471MQ30T	470	0.353	2.35	2.29	1.88	1.77
661-EKMH201VNN681MR	EKMH201VNN681MR30T	680	0.244	2.88	2.81	2.31	2.17
661-EKMH201VNN681MA	EKMH201VNN681MA25T	680	0.366	4.06	3.61	3.26	3.08
661-EKMH201VNN821MQ	EKMH201VNN821MQ50T	820	0.202	4.14	3.69	3.31	3.13
661-EKMH201VNN102MR	EKMH201VNN102MR45T	1000	0.166	3.55	3.45	2.84	2.67
661-EKMH201VNN102MA	EKMH201VNN102MA35T	1000	0.249	3.79	3.69	3.03	2.85
661-EKMH201VNN122MR	EKMH201VNN122MR50T	1200	0.138	3.94	3.83	3.15	2.96
661-EKMH201VNN122MA	EKMH201VNN122MA40T	1200	0.207	4.17	4.06	3.34	3.14
661-EKMH201VNN182MA	EKMH201VNN182MA50T	1800	0.138	5.37	5.22	4.30	4.04
250 Volt							
661-EKMH251VNN221MP	EKMH251VNN221MP30T	220	0.753	1.96	1.91	1.57	1.48
661-EKMH251VNN221MQ	EKMH251VNN221MQ25T	220	0.753	2.42	2.14	1.93	1.83
661-EKMH251VNN331MQ	EKMH251VNN331MQ30T	330	0.502	2.51	2.44	2.01	1.89
661-EKMH251VNN471MQ	EKMH251VNN471MQ40T	470	0.353	2.89	2.82	2.32	2.18
661-EKMH251VNN471MR	EKMH251VNN471MR30T	470	0.353	3.00	2.92	2.40	2.25
661-EKMH251VNN561MR	EKMH251VNN561MR35T	560	0.296	3.60	3.50	2.88	2.70
661-EKMH251VNN561MA	EKMH251VNN561MA30T	560	0.444	7.21	6.62	6.01	4.81
661-EKMH251VNN681MR	EKMH251VNN681MR40T	680	0.244	3.75	3.65	3.00	2.82
661-EKMH251VNN821MA	EKMH251VNN821MA35T	820	0.303	4.37	4.25	3.50	3.28
661-EKMH251VNN102MA	EKMH251VNN102MA40T	1000	0.249	5.82	5.18	4.66	4.40
661-EKMH251VNN102MA	EKMH251VNN102MA40T	1200	0.207	5.82	5.18	4.66	4.40
400 Volt							
661-EKMH401VNN820MP	EKMH401VNN820MP30T	82	3.032	1.92	1.87	1.53	1.44
661-EKMH401VNN820MQ	EKMH401VNN820MQ25T	82	3.032	2.09	2.03	1.67	1.57
661-EKMH401VNN121MQ	EKMH401VNN121MQ30T	120	2.072	2.37	2.30	1.90	1.78
661-EKMH401VNN181MQ	EKMH401VNN181MQ35T	180	1.381	2.72	2.65	2.18	2.05
661-EKMH401VNN181MR	EKMH401VNN181MR30T	180	1.381	3.95	3.51	3.16	2.98
661-EKMH401VNN221MQ	EKMH401VNN221MQ45T	220	1.13	4.48	4.12	3.74	2.99
661-EKMH401VNN221MR	EKMH401VNN221MR35T	220	1.13	3.24	3.16	2.60	2.44
661-EKMH401VNN331MR	EKMH401VNN331MR45T	330	0.753	4.09	3.98	3.27	3.07
661-EKMH401VNN331MA	EKMH401VNN331MA35T	330	0.753	4.34	4.22	3.47	3.26
661-EKMH401VNN391MA	EKMH401VNN391MA40T	390	0.638	5.03	4.89	4.03	3.78
661-EKMH401VNN471MA	EKMH401VNN471MA45T	470	0.529	5.97	5.81	4.78	4.49
661-EKMH401VNN102MA	EKMH401VNN102MA80T	1000	0.249	10.25	9.98	8.21	7.71

KMH 105°C SNAP MOUNT HIGH CAPACITANCE SERIES (CONT.)

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	50	100	500
450 Volt							
661-EKMH451VNN181MR	EKMH451VNN181MR35T	180	1.381	4.21	3.75	3.37	3.18
661-EKMH451VNN221MQ	EKMH451VNN221MQ50T	220	1.13	3.63	3.54	2.91	2.73
661-EKMH451VNN221MR	EKMH451VNN221MR40T	220	1.13	8.38	7.69	6.98	5.59
661-EKMH451VNN221MA	EKMH451VNN221MA30T	220	1.13	4.06	3.95	3.25	3.05
661-EKMH451VNN331MR	EKMH451VNN331MR50T	330	0.753	4.86	4.73	3.89	3.66
661-EKMH451VNN331MA	EKMH451VNN331MA40T	330	0.753	5.09	4.95	4.08	3.83

SMH 85°C SNAP MOUNT HIGH CAPACITANCE SERIES

The SMH series are the standard 85°C, large capacitance, snap-in capacitors. The very high CV values and ripple current capabilities make these capacitors ideal for use in power supply filter circuits The standard SMH capacitors are non-solvent proof and are not recommended when halogenated cleaning solvents are used.

Specifications:
- Operating Temperature range: -40°C to +85°C for 6.3 to 100VDC, -25°C to +85°C for 160 to 450VDC
- Rated Lifetime: 2,000 hours @ +85°C

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (µF)	Max. ESR @ +20°C, 120Hz	Price Each			
				1	50	100	500
16 Volt							
661-ESMH160VNN123MP	ESMH160VNN123MP30T	12000	0.055	2.03	1.80	1.62	1.52
661-ESMH160VNN123MQ	ESMH160VNN123MQ25T	12000	0.055	1.91	1.69	1.53	1.45
25 Volt							
661-ESMH250VNN822MP	ESMH250VNN822MP35T	8200	0.061	2.14	1.90	1.71	1.62
661-ESMH250VNN153MQ	ESMH250VNN153MQ40T	15000	0.033	2.40	2.12	1.92	1.81
661-ESMH250VNN223MR	ESMH250VNN223MR45T	22000	0.023	5.26	4.67	4.21	3.98
35 Volt							
661-ESMH350VNN472MQ	ESMH350VNN472MQ25T	4700	0.088	2.83	2.59	2.35	1.88
661-ESMH350VNN153MA	ESMH350VNN153MA35T	15000	0.028	3.53	3.12	2.82	2.67
50 Volt							
661-ESMH500VNN222MP	ESMH500VNN222MP25T	2200	0.151	1.67	1.47	1.33	1.26
661-ESMH500VNN332MQ	ESMH500VNN332MQ25T	3300	0.1	2.00	1.77	1.60	1.51
661-ESMH500VNN472MP	ESMH500VNN472MP40T	4700	0.071	2.05	1.81	1.64	1.55
661-ESMH500VNN822MR	ESMH500VNN822MR40T	8200	0.04	3.09	2.73	2.47	2.33
661-ESMH500VNN183MA	ESMH500VNN183MA50T	18000	0.018	10.46	9.59	8.72	6.97
63 Volt							
661-ESMH630VNN332MP	ESMH630VNN332MP35T	3300	0.075	1.99	1.76	1.59	1.50
661-ESMH630VNN682MR	ESMH630VNN682MR40T	6800	0.037	3.23	2.86	2.58	2.44
661-ESMH630VNN123MA	ESMH630VNN123MA45T	12000	0.021	4.91	4.34	3.93	3.71
80 Volt							
661-ESMH800VNN332MQ	ESMH800VNN332MQ40T	3300	0.075	2.43	3.15	1.95	1.84
661-ESMH800VNN472MA	ESMH800VNN472MA30T	4700	0.053	3.47	3.07	2.77	2.62
100 Volt							
661-ESMH101VNN562MA	ESMH101VNN562MA45T	5600	0.044	4.73	4.18	3.79	3.58
160 Volt							
661-ESMH161VNN391MP	ESMH161VNN391MP25T	390	0.425	1.97	1.75	1.58	1.49
200 Volt							
661-ESMH201VNN102MR	ESMH201VNN102MR40T	1000	0.166	4.81	4.41	4.00	3.20
661-ESMH201VNN102MA	ESMH201VNN102MA30T	1000	0.249	3.58	3.17	2.86	2.70
661-ESMH201VNN152MA	ESMH201VNN152MA40T	1500	0.166	7.05	6.46	5.87	4.69
661-ESMH201VNN182MA	ESMH201VNN182MA45T	1800	0.138	5.04	4.46	4.03	3.81
661-ESMH201VNN222MA	ESMH201VNN222MA50T	2200	0.113	5.69	5.03	4.55	4.30
250 Volt							
661-ESMH251VNN561MQ	ESMH251VNN561MQ40T	560	0.296	2.97	2.63	2.38	2.24
661-ESMH251VNN102MA	ESMH251VNN102MA40T	1000	0.249	7.42	6.61	5.94	5.62
400 Volt							
661-ESMH401VNN101MP	ESMH401VNN101MP30T	100	2.486	1.97	1.74	1.57	1.49
661-ESMH401VNN151MP	ESMH401VNN151MP35T	150	1.658	2.58	2.30	2.07	1.95
661-ESMH401VNN471MA	ESMH401VNN471MA40T	470	0.529	4.83	4.27	3.86	3.65
661-ESMH401VNN561MA	ESMH401VNN561MA45T	560	0.444	6.53	5.81	5.22	4.94
661-ESMH401VNN561MR	ESMH401VNN561MR50T	560	0.444	9.25	8.48	7.72	6.17
661-ESMH401VNN681MA	ESMH401VNN681MA50T	680	0.366	6.32	5.59	5.05	4.77
450 Volt							
661-ESMH451VNN181MA	ESMH451VNN181MA25T	180	1.381	3.46	3.06	2.77	2.62
661-ESMH451VNN271MR	ESMH451VNN271MR40T	270	0.921	3.92	3.47	3.14	2.96
661-ESMH451VNN391MA	ESMH451VNN391MA45T	390	0.638	10.78	9.89	8.99	7.19
661-ESMH451VNN471MA	ESMH451VNN471MA50T	470	0.529	5.88	5.20	4.70	4.44

VISHAY / SPRAGUE Computer Grade Aluminum Capacitors

RoHS Compliant This page of product is compliant.

VISHAY / SPRAGUE 36DY 85°C SCREW TERMINAL HIGH CAPACITANCE SERIES

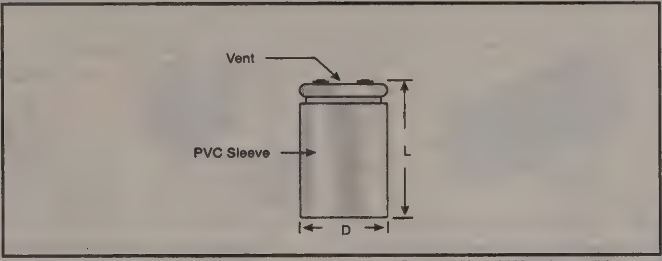
Features:

- The industry standard for large can aluminum capacitors
- Ideal for high wattage power supplies and energy storage applications
- Capacitance values to 2.2 F
- Largest CV available
- Highest voltage available

RoHS Compliant

Performance Characteristics:

- Operating temperature: -40°C to +85°C
- Capacitance tolerance: -10%, +50%
- Life validation test: 2000 hours @ + 85°C
  - Δ CAP ≤ 15% from initial measurement
  - Δ ESR ≤ 1.5 x initial specified limit
  - Δ DCL ≤ initial specified limit



For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part Number	Value (μF)	Case DxL (In.)	Price Each 1	10	25	50
25 Volt						
75—36DY123F025AA2A	12000	1.375 x 2.125	10.56	9.52	8.69	8.07
75—36DY563F025BL2A	56000	2.000 x 3.625	20.40	18.40	16.80	15.60
75—36DY683F025BC2A	68000	2.000 x 4.125	22.95	20.70	18.90	17.55
75—36DY104F025BF2A	100000	2.000 x 5.625	31.32	28.25	25.79	23.95
40 Volt						
75—36DY712F040AA2A	7100	1.375 x 2.125	10.72	9.67	8.83	8.20
75—36DY333F040BL2A	33000	2.000 x 3.625	20.12	18.15	16.57	15.39
75—36DY403F040BC2A	40000	2.000 x 4.125	22.66	20.44	18.66	17.33
75—36DY823F040CD2A	82000	2.500 x 4.625	47.63	42.96	39.23	36.43
75—36DY104F040DC2A	100000	3.000 x 4.125	42.51	38.34	35.01	32.51
50 Volt						
75—36DY562F050AA2A	5600	1.375 x 2.125	10.52	9.49	8.66	8.05
75—36DY103F050AB2A	10000	1.375 x 3.125	12.68	11.43	10.44	9.69
75—36DY153F050BM2A	15000	2.000 x 2.625	17.58	15.85	14.48	13.44
75—36DY273F050BL2A	27000	2.000 x 3.625	21.69	19.56	17.86	16.59
75—36DY563F050CC2A	56000	2.500 x 4.125	35.34	31.88	29.11	27.03
75—36DY683F050DL2A	68000	3.000 x 3.625	40.47	36.50	33.33	30.95
75 Volt						
75—36DY183F075BC2A	18000	2.000 x 4.125	26.12	23.56	21.51	19.97
75—36DY223F075CB2A	22000	2.500 x 3.125	32.02	28.88	26.37	24.48
75—36DY333F075CC2A	33000	2.500 x 4.125	42.92	38.71	35.34	32.82
75—36DY393F075CD2A	39000	2.500 x 4.625	46.63	42.06	38.40	35.66
75—36DY473F075DC2A	47000	3.000 x 4.125	55.62	50.16	45.80	42.53
100 Volt						
75—36DY102F100AN2A	1000	1.375 x 1.625	10.30	9.29	8.48	7.88
75—36DY472F100AC2A	4700	1.375 x 4.125	15.45	13.94	12.73	11.82
75—36DY822F100BL2A	8200	2.000 x 3.625	22.55	20.34	18.57	17.24

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part Number	Value (μF)	Case DxL (In.)	Price Each 1	10	25	50
100 Volt (cont.)						
75—36DY103F100CB2A	10000	2.500 x 3.125	27.81	25.08	22.90	21.27
75—36DY223F100CF2A	22000	2.500 x 5.625	44.22	39.89	36.42	33.82
150 Volt						
75—36DY332F150BC2A	3300	2.000 x 4.125	22.57	20.36	18.59	17.26
75—36DY392F450AB2A	3900	2.000 x 4.625	25.52	23.01	21.01	19.51
75—36DY123F150DE2A	12000	3.000 x 5.125	54.39	49.06	44.79	41.59
200 Volt						
75—36DY561F200AA2A	560	1.375 x 2.125	12.96	11.69	10.68	9.91
75—36DY562F200CD2A	5600	2.500 x 4.625	39.82	35.91	32.79	30.45
75—36DY123F200DF2A	12000	3.000 x 5.625	69.62	62.79	57.33	53.24
75—36DY183F200DJ2A	18000	3.000 x 8.625	111.58	100.64	91.89	85.32
250 Volt						
75—36DY152F250AC2A	1500	1.375 x 4.125	19.78	17.84	16.29	15.13
75—36DY222F250BC2A	2200	2.000 x 4.125	30.60	27.46	24.91	23.28
75—36DY472F250CD2A	4700	2.500 x 4.625	48.27	43.54	39.75	36.91
75—36DY822F250DE2A	8200	3.000 x 5.125	69.71	62.88	57.41	53.31
350 Volt						
75—36DY681F350BM2A	680	2.000 x 2.625	22.56	20.35	18.58	17.25
75—36DY392F350DD2A	3900	3.000 x 4.625	72.83	65.69	59.98	55.69
75—36DY472F350DE2A	4700	3.000 x 5.125	84.30	76.04	69.43	64.47
400 Volt						
75—36DY121F400AN2A	120	1.375 x 1.625	11.49	10.37	9.46	8.79
75—36DY392F400DE2A	3900	3.000 x 5.125	82.77	74.65	68.16	63.29
450 Volt						
75—36DY101F450AN2A	100	1.375 x 1.625	12.74	11.49	10.49	9.74
75—36DY102F450BC2A	1000	2.000 x 4.125	35.57	32.09	29.30	27.20
75—36DY152F450BF2A	1500	2.000 x 5.625	39.93	35.50	31.95	30.70
75—36DY182F450CC2A	1800	2.500 x 4.125	62.73	56.30	51.06	47.73
75—36DY332F450DD2A	3300	3.000 x 4.625	90.34	81.49	74.40	69.09

VISHAY / SPRAGUE POWERLYTIC® 36DX 85°C SCREW TERMINAL, HIGH CAPACITANCE, HIGH RIPPLE SERIES

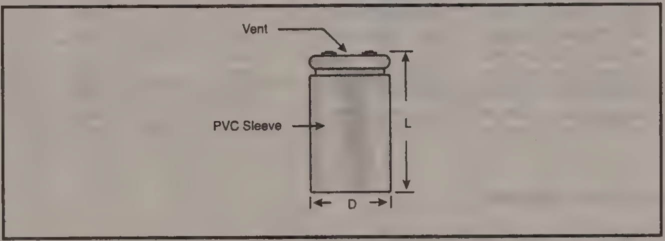
Features:

- High capacitance per case size
- High ripple current
- Low leakage current
- Long shelf life and operating life

RoHS Compliant

Performance Characteristics:

- Operating temperature: -40°C to +85°C
- Capacitance tolerance: +75%, -10% (25 WVDC to 100 WVDC)
  +50%, -10% (200 WVDC to 450 WVDC)



For quantities of 100 and up, call for quote.

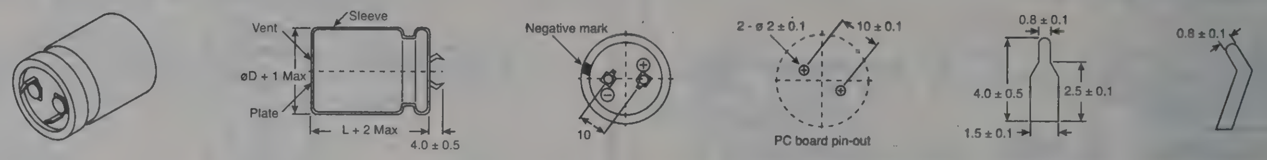
MOUSER STOCK NO. Mfr. / Mfr. Part Number	Value (μF)	Case DxL (In.)	Price Each 1	10	25	50
25 Volt						
75—36DX452G025AA2A	4500	1.375 x 2.125	8.80	8.07	7.46	6.78
75—36DX203G025AF2A	20000	1.375 x 5.625	10.25	9.40	8.70	7.90
75—36DX303G025BC2A	30000	2.000 x 4.125	13.20	12.11	11.20	10.17
75—36DX503G025CC2A	50000	2.500 x 4.125	19.85	18.21	16.85	15.30
40 Volt						
75—36DX292G040AA2A	2900	1.375 x 2.125	7.41	6.80	6.29	5.71
75—36DX582G040AB2A	5800	1.375 x 3.125	8.72	8.00	7.40	6.72
75—36DX872G040AC2A	8700	1.375 x 4.125	10.23	9.38	8.68	7.88
75—36DX203G040BC2A	20000	2.000 x 4.125	18.72	17.17	15.89	14.43
75—36DX343G040CC2A	34000	2.500 x 4.125	18.83	17.27	15.98	14.51
75—36DX513G040CF2A	51000	2.500 x 5.625	24.36	22.35	20.68	18.78
75—36DX124G040DJ2A	120000	3.000 X 8.625	57.68	52.92	48.95	44.45
50 Volt						
75—36DX242G050AA2A	2400	1.375 x 2.125	8.28	7.60	7.03	6.38
75—36DX482G050AB2A	4800	1.375 x 3.125	9.45	8.67	8.02	7.28
75—36DX722G050AC2A	7200	1.375 x 4.125	10.29	9.44	8.73	7.93
75—36DX163G050BC2A	16000	2.000 x 4.125	13.95	12.79	11.83	10.75
75—36DX273G050CC2A	27000	2.500 x 4.125	21.75	19.95	18.46	16.76
75—36DX413G050DC2A	41000	3.000 x 4.125	32.32	29.45	27.04	24.54
75 Volt						
75—36DX282G075AB2A	2800	1.375 x 4.125	9.29	8.52	7.88	7.16
75—36DX422G075AC2A	4200	1.375 x 4.125	11.10	10.19	9.42	8.56
75—36DX103G075BC2A	10000	2.000 x 4.125	19.71	18.09	16.73	15.19
75—36DX173G075CC2A	17000	2.500 x 4.125	22.84	20.95	19.38	17.60
75—36DX403G075DF2A	40000	3.000 x 5.625	41.06	37.67	34.84	31.64

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part Number	Value (μF)	Case DxL (In.)	Price Each 1	10	25	50
100 Volt						
75—36DX262G100AC2A	2600	1.375 x 4.125	10.70	9.81	9.08	8.24
75—36DX982G100CC2A	9800	2.500 x 4.125	23.61	21.66	20.04	18.19
200 Volt						
75—36DX851F200AC2A	850	1.375 x 4.125	10.86	9.96	9.21	8.37
75—36DX202F200BC2A	2000	2.000 x 4.125	19.18	17.59	16.27	14.78
75—36DX282F200BC2A	2800	2.000 x 4.125	19.53	17.92	16.58	15.05
75—36DX342F200CC2A	3400	2.500 x 4.125	24.66	22.63	20.93	19.01
250 Volt						
75—36DX251F250AA2A	250	1.375 x 2.125	9.35	8.58	7.93	7.21
75—36DX501F250AB2A	500	1.375 x 3.215	10.90	10.00	9.25	8.40
75—36DX292F250CC2A	2900	2.500 x 4.125	29.41	26.98	24.96	22.67
75—36DX422F250CF2A	4200	2.500 x 5.625	37.41	34.32	31.75	28.83
75—36DX103F250DJ2A	10000	3.000 x 8.625	78.20	71.74	66.36	60.26
350 Volt						
75—36DX261F350AB2A	260	1.375 x 3.215	11.02	10.11	9.35	8.49
75—36DX381F350AC2A	380	1.375 x 4.125	13.46	12.35	11.43	10.38
75—36DX332F350DF2A	3300	3.000 x 5.625	58.55	53.71	49.69	45.12
75—36DX512F350DJ2A	5100	3.000 x 8.625	97.56	89.51	82.79	75.19
450 Volt						
75—36DX161F450AB2A	160	1.375 x 3.125	11.71	10.74	9.93	9.02
75—36DX231F450AC2A	230	1.375 x 4.125	13.17	12.08	11.18	10.15
75—36DX381F450BB2A	380	2.000 x 3.215	17.66	16.20	14.99	13.61
75—36DX202F450DF2A	2000	3.000 x 5.625	52.80	48.44	44.81	40.69

XICON Snap Mount Aluminum Electrolytic Capacitors

DIMENSIONS: mm



SNAP MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

Specifications:

- Snap-in terminals solder directly to PC board saving process time
- Operating temp range: -40°C to +85°C
- Leakage current: .02CV, or 1.5mA, whichever is smaller
- Load life test: 2000 hours

RoHS Compliant

RoHS Compliant

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Voltage	Ripple Current (mA/rms)	Diameter	Length	Price Each			
							1	10	100	500
140-LS472M1E-2025-RC	LS472M1E-2025	4700	25	2310	20	25	1.42	1.07	.97	.75
140-LS103M1E-2240-RC	LS103M1E-2240	10000	25	3180	22	40	2.40	1.81	1.64	1.27
140-LS472M1V-2525-RC	LS472M1V-2525	4700	35	2420	25	25	2.01	1.52	1.37	1.07
140-LS103M1V-2250-RC	LS103M1V-2250	10000	35	3590	22	50	3.30	2.49	2.25	1.75
140-LS333M1V-3550-RC	LS333M1V-3550	33000	35	7020	35	50	9.92	7.48	6.59	5.26
140-LS472M1H-2530-RC	LS472M1H-2530	4700	50	3030	25	30	2.25	1.75	1.65	1.49
140-LS822M1H-2550-RC	LS822M1H-2550	8200	50	4370	25	50	3.50	2.73	2.58	2.33
140-LS103M1H-3530-RC	LS103M1H-3530	10000	50	4920	35	30	3.67	3.27	2.99	2.75
140-LS153M1H-3545-RC	LS153M1H-3545	15000	50	6440	35	45	5.18	4.90	3.32	3.25
140-LS472M1J-2250-RC	LS472M1J-2250	4700	63	3490	22	50	4.25	3.21	2.89	2.25
140-LS682M1J-3040-RC	LS682M1J-3040	6800	63	4410	30	40	5.80	4.38	3.95	3.07
140-LS103M1J-3045-RC	LS103M1J-3045	10000	63	5490	30	45	7.57	5.71	5.16	4.01
140-LS102M2A-2230-RC	LS102M2A-2230	1000	100	2120	22	30	2.83	2.32	1.62	1.32
140-LS221M2D-2225-RC	LS221M2D-2225	220	200	1180	22	25	2.19	1.79	1.25	1.02
140-LS271M2D-2225-RC	LS271M2D-2225	270	200	1300	22	25	2.25	1.88	1.29	1.09
140-LS331M2D-2525-RC	LS331M2D-2525	330	200	1430	25	25	2.51	2.06	1.44	1.17
140-LS471M2D-2235-RC	LS471M2D-2235	470	200	1880	22	35	2.87	2.35	1.65	1.34
140-LS681M2D-2535-RC	LS681M2D-2535	680	200	2360	25	35	4.02	3.30	2.31	1.88
140-LS102M2D-2545-RC	LS102M2D-2545	1000	200	3120	25	45	5.52	4.54	3.17	2.58
140-LS222M2D-3550-RC	LS222M2D-3550	2200	200	5000	35	50	7.25	5.82	4.18	3.90
140-LS680M2G-2225-RC	LS680M2G-2225	68	400	720	22	25	1.68	1.38	.96	.80
140-LS101M2G-2230-RC	LS101M2G-2230	100	400	940	22	30	2.60	2.13	1.49	1.24
140-LS181M2G-2530-RC	LS181M2G-2530	180	400	1370	25	30	3.64	2.98	2.09	1.73
140-LS221M2G-2540-RC	LS221M2G-2540	220	400	1620	25	40	4.18	3.43	2.40	1.99
140-LS471M2G-3050-RC	LS471M2G-3050	470	400	2400	30	50	7.49	6.59	4.99	4.05
140-LS680M2W-2225-RC	LS680M2W-2225	68	450	720	22	25	2.10	1.78	1.28	0.96
140-LS101M2W-2235-RC	LS101M2W-2235	100	450	1000	22	35	2.77	2.34	1.68	1.26

Non-RoHS Compliant

To Order RoHS compliant parts, add-RC to Mouser Stock No.

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Xicon Part Number	Value (µF)	Voltage	Ripple Current (mA/rms)	Diameter	Length	Price Each			
							1	10	100	500
140-LS682M1E-2230	LS682M1E-2230	6800	25	2560	22	30	1.86	1.40	1.27	.98
140-LS223M1E-3045	LS223M1E-3045	22000	25	5260	30	45	4.62	3.48	3.15	2.44
140-LS682M1V-2530	LS682M1V-2530	6800	35	2890	25	30	2.48	1.87	1.69	1.32
140-LS223M1V-3545	LS223M1V-3545	22000	35	6380	35	45	7.98	6.02	5.44	4.23
140-LS332M1H-2230	LS332M1H-2230	3300	50	2410	22	30	1.79	1.49	1.35	1.25
140-LS682M1H-2540	LS682M1H-2540	6800	50	3870	25	40	2.95	2.30	2.17	1.96
140-LS222M1J-2230	LS222M1J-2230	2200	63	2350	22	30	1.83	1.54	1.39	1.25
140-LS822M1J-3535	LS822M1J-3535	8200	63	4800	35	35	6.94	5.24	4.73	3.68
140-LS123M1J-3550	LS123M1J-3550	12000	63	6300	35	50	9.39	7.39	5.99	5.19
140-LS222M2A-3040	LS222M2A-3040	2200	100	3100	30	40	5.30	4.34	3.03	2.47
140-LS821M2D-2250	LS821M2D-2250	820	200	2680	22	50	4.65	3.82	2.67	2.17
140-LS122M2D-3045	LS122M2D-3045	1200	200	3530	30	45	6.97	5.73	4.00	3.26
140-LS820M2G-2225	LS820M2G-2225	82	400	800	22	25	2.55	1.99	1.43	1.19
140-LS121M2G-2525	LS121M2G-2525	120	400	1080	25	25	2.97	2.43	1.70	1.41
140-LS271M2G-2545	LS271M2G-2545	270	400	1760	25	45	5.30	4.35	3.04	2.52
140-LS331M2G-2550	LS331M2G-2550	330	400	1900	25	50	6.59	5.41	3.78	3.13
140-LS121M2W-2240	LS121M2W-2240	120	450	1150	22	40	3.14	2.65	1.91	1.43
140-LS181M2W-2250	LS181M2W-2250	180	450	1510	22	50	4.30	3.63	2.61	1.96
140-LS221M2W-2545	LS221M2W-2545	220	450	1650	25	45	5.10	4.30	3.09	2.32
140-LS271M2W-3040	LS271M2W-3040	270	450	1830	30	40	6.18	5.21	3.75	2.81
140-LS331M2W-3050	LS331M2W-3050	330	450	2190	30	50	6.75	5.99	4.25	3.49
140-LS391M2W-3550	LS391M2W-3550	390	450	2340	35	50	7.14	6.04	4.35	3.63
140-LS471M2W-3550	LS471M2W-3550	470	450	2630	35	50	8.37	7.08	5.10	4.26

CORNELL DUBILIER Electric Double Layer Supercapacitors

CDE CORNELL DUBILIER

Type EDL electric double layer supercapacitors offer extremely high capacitance values (farads) ina variety of packaging options that will satisfy low profile, surface mount, through hole, and high density assembly requirements.

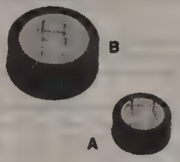
Features:
- Unlimited charging and discharging capability
- Recycling is not necessary
- Low ESR
- Will extend battery life up to 1.6 times
- First class performance with economy pricing

Specifications:
- Temperature Range: -25°C to 85°C
- Case Types: Radial Leaded, Stacked Coin, SMT

Applications:
- Telecom - cellular handsets
- Solar battery backup
- Small motor starter
- Gaming machines
- Real time clock - battery
- Remote reading utility meters

Style EN

Style F

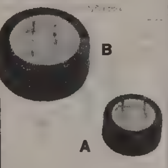


Case Code	Size	
	D	L
A	13.5	9.5
B	21.5	9.5

Style HW

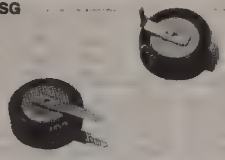
D	P
12.5	5
18	7.5

Style NF

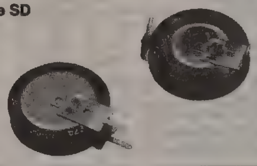


Case Code	Size	
	D	L
A	13.5	7.5
B	21.5	8.0

Style SG



Style SD



STYLE EN

MOUSER STOCK NO.	CDE Part Number	Capacitor Value	Voltage	Case Diameter (mm)	Case Length (mm)	Price Each				
						1	5	10	25	50
598-EDLEN204A3R3S	EDLEN204A3R3S	0.20F	3.3V	6.8	1.8	1.42	1.34	1.28	1.21	1.14
598-EDLEN204B3R3S	EDLEN204B3R3S	0.20F	3.3V	6.8	1.8	1.42	1.34	1.28	1.21	1.14
598-EDLEN204RL3R3S	EDLEN204RL3R3S	0.20F	3.3V	6.8	1.8	1.42	1.34	1.28	1.21	1.14

STYLE F

MOUSER STOCK NO.	CDE Part Number	Capacitor Value	Voltage	Case Diameter (mm)	Case Length (mm)	Price Each				
						1	5	10	25	50
598-EDLEN204A3R3S	EDLEN204A3R3S	0.20F	3.3V	6.8	1.8	1.42	1.34	1.28	1.21	1.14
598-EDLEN204B3R3S	EDLEN204B3R3S	0.20F	3.3V	6.8	1.8	1.42	1.34	1.28	1.21	1.14
598-EDLEN204RL3R3S	EDLEN204RL3R3S	0.20F	3.3V	6.8	1.8	1.42	1.34	1.28	1.21	1.14

STYLE HW

MOUSER STOCK NO.	CDE Part Number	Capacitor Value	Voltage	Case Diameter (mm)	Case Length (mm)	Price Each				
						1	5	10	25	50
598-EDLHW106D2R3R	EDLHW106D2R3R	10F	2.3V	12.5	35.0	3.11	2.95	2.80	2.65	2.50
598-EDLHW226D2R3R	EDLHW226D2R3R	22F	2.3V	18.0	35.0	5.34	5.06	4.81	4.55	4.28
598-EDLHW306D2R3R	EDLHW306D2R3R	30F	2.3V	18.0	35.0	6.18	5.86	5.57	5.26	4.96
598-EDLHW335D2R3R	EDLHW335D2R3R	3.3F	2.3V	12.5	23.0	2.33	2.21	2.10	1.99	1.87
598-EDLHW475D2R3R	EDLHW475D2R3R	4.7F	2.3V	12.5	23.0	2.40	2.28	2.16	2.05	1.93
598-EDLHW506D2R3R	EDLHW506D2R3R	50F	2.3V	18.0	40.0	6.54	6.20	5.89	5.57	5.25
598-EDLHW706D2R1R	EDLHW706D2R1R	70F	2.1V	18.0	50.0	10.13	9.60	9.13	8.63	8.13

STYLE NF

MOUSER STOCK NO.	CDE Part Number	Capacitor Value	Voltage	Case Diameter (mm)	Case Length (mm)	Price Each				
						1	5	10	25	50
598-EDLNF104A5R5C	EDLNF104A5R5C	0.10F	5.5V	13.5	7.5	1.26	1.19	1.13	1.07	1.01
598-EDLNF105B5R5C	EDLNF105B5R5C	1.0F	5.5V	21.5	8.0	3.11	2.95	2.80	2.65	2.50
598-EDLNF155B5R5C	EDLNF155B5R5C	1.5F	5.5V	21.5	8.0	3.67	3.48	3.31	3.13	2.95
598-EDLNF224A5R5C	EDLNF224A5R5C	.22F	5.5V	13.5	7.5	1.33	1.26	1.20	1.13	1.07
598-EDLNF474B5R5C	EDLNF474B5R5C	.47F	5.5V	21.5	8.0	3.11	2.95	2.80	2.65	2.50

STYLE SD

MOUSER STOCK NO.	CDE Part Number	Capacitor Value	Voltage	Case Diameter (mm)	Case Length (mm)	Price Each				
						1	5	10	25	50
598-EDLSD104H5R5C	EDLSD104H5R5C	0.10F	5.5V	11.5	5.5	1.01	.96	.91	.86	.81
598-EDLSD104V5R5C	EDLSD104V5R5C	0.10F	5.5V	10.5	5.0	1.01	.96	.91	.86	.81
598-EDLSD223H5R5C	EDLSD223H5R5C	0.022F	5.5V	11.5	5.5	.94	.89	.85	.80	.75
598-EDLSD223V5R5C	EDLSD223V5R5C	0.022F	5.5V	10.5	5.0	.94	.89	.85	.80	.75
598-EDLSD224H5R5C	EDLSD224H5R5C	0.22F	5.5V	11.5	5.5	1.04	.99	.94	.89	.84
598-EDLSD224V5R5C	EDLSD224V5R5C	0.22F	5.5V	10.5	5.0	1.04	.99	.94	.89	.84
598-EDLSD334H5R5C	EDLSD334H5R5C	0.33F	5.5V	11.5	5.5	1.08	1.03	.98	.92	.87
598-EDLSD334V5R5C	EDLSD334V5R5C	0.33F	5.5V	10.5	5.0	1.09	1.03	.98	.92	.87
598-EDLSD473H5R5C	EDLSD473H5R5C	0.047F	5.5V	11.5	5.5	.98	.93	.88	.83	.79
598-EDLSD473V5R5C	EDLSD473V5R5C	0.047F	5.5V	10.5	5.0	.98	.93	.88	.83	.79

STYLE SG

MOUSER STOCK NO.	CDE Part Number	Capacitor Value	Voltage	Case Diameter (mm)	Case Length (mm)	Price Each				
						1	5	10	25	50
598-EDLSG105H5R5C	EDLSG105H5R5C	1.0F	5.5V	20.0	6.0	2.94	2.78	2.65	2.50	2.36
598-EDLSG105V5R5C	EDLSG105V5R5C	1.0F	5.5V	19.0	5.0	2.94	2.78	2.65	2.50	2.36
598-EDLSG155H5R5C	EDLSG155H5R5C	1.5F	5.5V	20.0	6.0	3.38	3.20	3.04	2.88	2.71
598-EDLSG155V5R5C	EDLSG155V5R5C	1.5F	5.5V	19.0	5.0	3.38	3.20	3.04	2.88	2.71
598-EDLSG474H5R5C	EDLSG474H5R5C	0.47F	5.5V	20.0	6.0	2.84	2.69	2.56	2.42	2.28
598-EDLSG474V5R5C	EDLSG474V5R5C	0.47F	5.5V	19.0	5.0	2.84	2.69	2.56	2.42	2.28

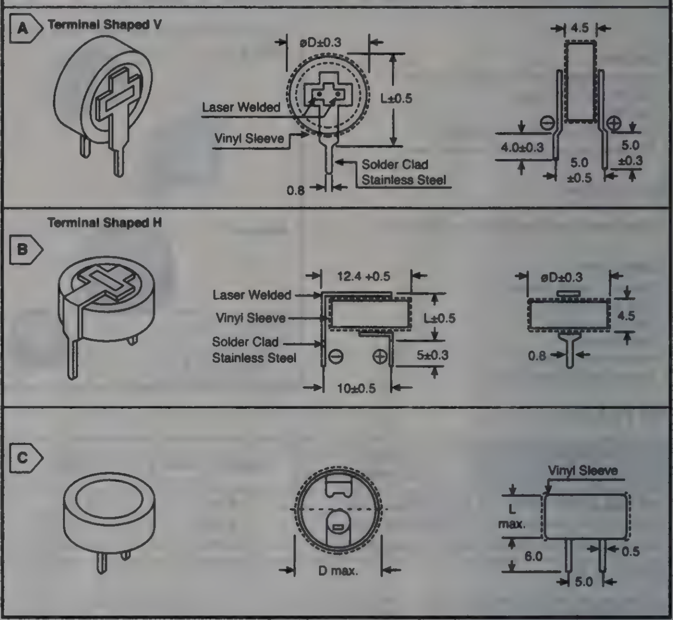
ELNA MEMORY BACK-UP CAPACITORS

The DB and DX Series has a total withstand voltage rating of 5.5 Volts. Utilizing ELNA's unique flat spring technology, which enhances the reliability of the internal coin cells. This Series is ideal for a wide range of applications from consumer applications to sophisticated instrumentations.

Features:

- For memory back up in electronic devices
- Small size, large capacitance
- Wide temperature range: -25°C to +70°C
- Minimum self-discharging
- Capacitance tolerance: -20% to +80%

DIMENSIONS: mm



DX Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each			
				D	L	1	10	100	500
Vertical									
555-DX5R5V473	A	5.5	.047	11.5	13.5	1.81	1.60	1.17	1.12
555-DX5R5V104	A	5.5	.1	11.5	13.5	1.81	1.60	1.17	1.12
555-DX5R5V224	A	5.5	.22	11.5	13.5	1.81	1.60	1.17	1.12
555-DX5R5V334	A	5.5	.33	11.5	13.5	1.81	1.60	1.17	1.12
Horizontal									
555-DX5R5H473	B	5.5	.047	11.5	5.0	1.81	1.60	1.17	1.12
555-DX5R5H104	B	5.5	.1	11.5	5.0	1.81	1.60	1.17	1.12
555-DX5R5H224	B	5.5	.22	11.5	5.0	1.81	1.60	1.17	1.12
555-DX5R5H334	B	5.5	.33	11.5	5.0	1.81	1.60	1.17	1.12

DB Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Volt (DC)	Value (F)	Dimensions: mm		Price Each			
				D	L	1	10	100	500
555-47Z5.5	C	5.5	.047	13.5	9.5	2.31	1.96	1.19	1.14
555-100Z5.5	C	5.5	.1	13.5	9.5	2.31	1.96	1.19	1.14
555-220Z5.5	C	5.5	.22	13.5	9.5	2.43	2.06	1.69	1.62
555-470Z5.5	C	5.5	.47	21.5	9.5	5.05	4.45	3.54	3.29
555-1.0Z5.5	C	5.5	1.0	21.1	9.5	5.05	4.45	3.54	3.29

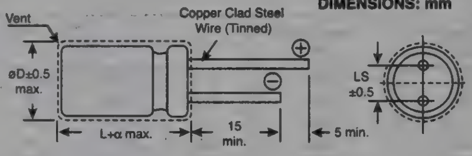
ELNA ELECTRIC DOUBLE LAYER CAPACITORS

The DZ Series is an entirely new type of high current capacitor that has extremely low internal resistance (only 10% of standard double layer caps), capable of undergoing virtually unlimited charge/discharge cycles with no deterioration. With capacitance ranging from 1F to 100F and internal resistance from ≤0.08 to 1.0Ω, they are ideal for CMOS backup, or they can function as a simple power supply.

Specifications:

- Temperature range: -40°C to +70°C
- Capacitance tolerance: -20% to +80%

DIMENSIONS: mm



DZ Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Volt (DC)	Value (F)	Dimensions: mm			Price Each			
			D	L	LS	1	10	100	1000
555-DZ2R5D105	2.5	1.0	8.0	22.0	3.5	2.75	2.20	1.76	1.43
555-DZ2R5D335	2.5	3.3	12.5	23.0	5.0	3.65	2.92	2.34	1.90
555-DZ2R5D475	2.5	4.7	12.5	31.5	5.0	4.25	3.40	2.72	2.21
555-DZ2R5D106	2.5	10	18.0	35.0	7.5	6.10	4.88	3.90	3.17

UNITED CHEMI-CON UCC LXY SERIES 105°C LOW IMPEDANCE CAPACITORS

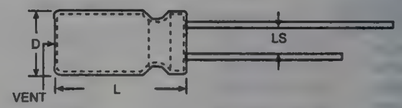
The LXY Series capacitors have a low impedance and are designed for use in situations at high frequencies. The LXY capacitors are ideal for use in switching power supplies, as their characteristics include a wide temperature range, long life, and low impedance.
The LXY Series capacitors are solvent proof.

Features:

- Low Impedance
- High Frequency Applications

Specifications:

- Operating Temperature range: -55°C to + 105°C
- Voltage Range: 10 to 63VDC
- Capacitance Range: 10 to 8,200μF
- Capacitance Tolerance: ± 20% at +20°C, 120Hz
- Rated Lifetime: 2,000 - 8,000 hours depending on case size
- Leakage Current: 0.01CV or 3μA, whichever is greater, after 2 minutes at +20°C



Dimensions (D x L in mm) printed in BOLD in UCC Part Number

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	LS	Price Each			
				1	100	500	1000
10 Volt							
661-LXY10VB221M	LXY10VB221M**6X15**LL	220	2.5	.20	.19	.16	.14
661-LXY10VB471MLL	LXY10VB471M**8X15**LL	470	3.5	.30	.28	.22	.20
661-LXY10VB102M	LXY10VB102M**10X20**LL	1000	5	.31	.28	.22	.21
16 Volt							
661-LXY16VB56RMLL	LXY16VB56RM**6X7**LL	56	2.5	.17	.14	.12	.11
661-LXY16VB121M	LXY16VB121M**6X11**LL	120	2.5	.17	.14	.12	.11
661-LXY16VB331M	LXY16VB331M**8X15**LL	330	3.5	.31	.28	.23	.22
661-LXY16VB471M	LXY16VB471M**8X20**LL	470	3.5	.32	.29	.23	.22
661-LXY16VB122MLL	LXY16VB122M**12X20**LL	1200	5	.47	.42	.34	.32
661-LXY16VB152M	LXY16VB152M**12X25**LL	1500	5	.61	.55	.44	.42
661-LXY16VB222MLL	LXY16VB222M**12X30**LL	2200	5	.66	.59	.47	.45
25 Volt							
661-LXY25VB471M	LXY25VB471M**10X20**LL	470	5	.35	.32	.25	.24
661-LXY25VB102MLL	LXY25VB102M**12X25**LL	1000	5	.54	.48	.39	.36
661-LXY25VB222M	LXY25VB222M**12X40**LL	2200	5	.85	.76	.61	.57
661-LXY25VB332MLL	LXY25VB332M**16X35**LL	3300	7.5	.99	.89	.72	.67

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	United Chemi-Con Part Number	Value (μF)	LS	Price Each			
				1	100	500	1000
35 Volt							
661-LXY35VB121MLL	LXY35VB121M**8X12**LL	120	3.5	.19	.17	.14	.13
661-LXY35VB221MLLA	LXY35VB221M**8X20**LL	220	3.5	.32	.29	.23	.22
661-LXY35VB331MLL	LXY35VB331M**10X20**LL	330	5	.33	.30	.24	.22
661-LXY35VB102MLL	LXY35VB102M**12X30**LL	1000	5	.59	.54	.43	.41
661-LXY35VB122M	LXY35VB122M**16X25**LL	1200	7.5	.86	.77	.62	.58
661-LXY35VB152MLL	LXY35VB152M**12X40**LL	1500	5	.85	.76	.61	.57
661-LXY35VB222MLL	LXY35VB222M**16X35**LL	2200	7.5	1.17	1.06	.84	.79
50 Volt							
661-LXY50VB10RM	LXY50VB10RM**6X5**LL	10	2.5	.29	.26	.22	.20
661-LXY50VB56RMLL	LXY50VB56RM**6X15**LL	56	2.5	.20	.19	.16	.14
661-LXY50VB68RMLL	LXY50VB68RM**8X12**LL	68	3.5	.24	.22	.18	.17
661-LXY50VB121MLL	LXY50VB121M**8X20**LL	120	3.5	.35	.31	.25	.24
661-LXY50VB331M	LXY50VB331M**12X20**LL	330	5	.50	.44	.35	.33
661-LXY50VB471MLL	LXY50VB471M**12X25**LL	470	5	.63	.56	.45	.43
661-LXY50VB561M	LXY50VB561M**12X30**LL	560	5	.66	.59	.47	.45
661-LXY50VB102MLL	LXY50VB102M**16X30**LL	1000	7.5	.84	.75	.61	.57
63 Volt							
661-LXY63VB68RM	LXY63VB68RM**10X16**LL	68	5	.31	.28	.22	.21
661-LXY63VB331M	LXY63VB331M**16X20**LL	330	7.5	.83	.74	.59	.56

NEC-TOKIN Super Capacitors

FC SERIES

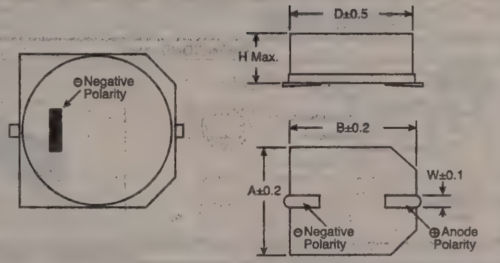
Features:
- Enables surface mounting.
- High rated voltage of 5.5V.
- High reliability solution leakage.

Applications:
- Subsidiary power supply.
- Buck up power supply line.
- Memory backup during battery exchange.

3.5V Type Specifications:
- Operating Temperature Range: -25°C to +70°C
- Maximum Operating Voltage: 3.5VDC
- Nominal Capacitance Range: 0.10 to 0.47F
- Capacitance Allowance: +80%, -20%

5.5V Type Specifications:
- Operating Temperature Range: -25°C to +70°C
- Maximum Operating Voltage: 5.5VDC
- Capacitance Allowance: +80%, -20%

RoHS Compliant


D±0.5
H Max.
⊖Negative Polarity
B±0.2
W±0.1
A±0.2
⊖Negative Polarity
⊕Anode Polarity

MOUSER STOCK NO.	NEC-TOKIN Part No.	Max. Rated Voltage (V)	Nominal Capacitance (F)	Max. ESR (at 1kHz) (Ω)	Max. Current at 30 Minutes (mA)	Min. Holding Voltage (V)	Dimensions: mm					Price Each			Reel Qty.	Price Per Piece
							D	H	A	B	W	1	50	100		
878-FC0H104ZFTBR24	FC0H104ZFTBR24	5.5	0.10	25	0.15	4.2	10.5	5.5	10.8	10.8	1.2	**2.18**	**2.02**	**1.95**	1000	1.67
878-FC0H105ZFTBR44	FC0H105ZFTBR44	5.5	1.00	7	1.50	4.2	21.0	10.5	21.6	21.6	1.4	**6.10**	**5.55**	**4.89**	150	4.89
878-FC0H224ZFTBR24	FC0H224ZFTBR24	5.5	0.22	25	0.33	4.2	10.5	8.5	10.8	10.8	1.2	**2.49**	**2.30**	**1.99**	500	1.33
878-FC0H474ZFTBR32	FC0H474ZFTBR32	5.5	0.47	13	0.71	4.2	16.0	9.5	16.3	16.3	1.2	**4.54**	**4.07**	**3.47**	200	1.94
878-FC0V104ZFTBR24	FC0V104ZFTBR24	3.5	0.10	50	0.09	- - -	10.5	5.5	10.8	10.8	1.2	**2.11**	**1.90**	**1.70**	1000	1.59
878-FC0V474ZFTBR24	FC0V474ZFTBR24	3.5	0.47	25	0.42	- - -	10.5	8.5	10.8	10.8	1.2	**3.59**	**3.29**	**2.99**	500	2.15

FS SERIES

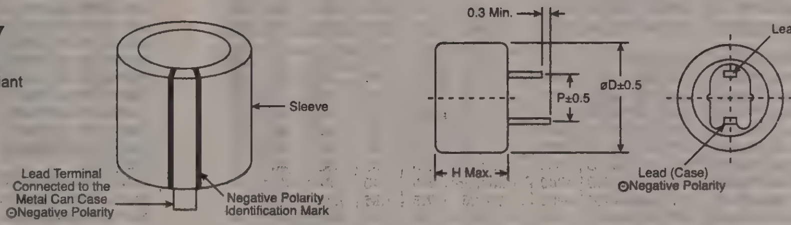
The FS series Super Capacitors are ideal as short-time (30 minutes max.) backup devices in small and lightweight systems.

Features:
- Ideal for supplying current of several hundred μA to several mA for short time

Applications:
- Backup source for microcomputers and buffer for momentary high-current loads (for example, motors)

Specifications:
- Operating Temperature Range: -25°C to +70°C
- Capacitance Allowance: +80%, -20%

RoHS Compliant


Sleeve
Lead Terminal Connected to the Metal Can Case ⊖Negative Polarity
Negative Polarity Identification Mark
0.3 Min.
P±0.5
øD±0.5
H Max.
Lead
Lead (Case) ⊖Negative Polarity

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	NEC-TOKIN Part No.	Max. Rated Voltage (V)	Nominal Capacitance (F)	Max. ESR (at 1kHz) (Ω)	Max. Current at 30 Minutes (at 1kHz) (mA)	Dimensions: mm			Price Each				
						D	H	P	1	50	100	500	1000
878-FS0H104ZF	FS0H104ZF	5.5	0.1	25	0.15	16.5	8.5	5.08	**2.99**	**2.51**	**2.30**	**2.06**	**1.32**
878-FS0H105ZF	FS0H105ZF	5.5	1	7	1.5	28.5	14	10.16	**7.35**	**5.99**	**4.03**	**3.65**	**3.52**
878-FS0H224ZF	FS0H224ZF	5.5	0.22	25	0.33	16.5	13	5.08	**3.89**	**3.51**	**3.17**	**2.19**	**2.11**
878-FS0H473ZF	FS0H473ZF	5.5	0.047	40	0.071	13	8.5	5.08	**2.02**	**1.81**	**1.54**	**1.38**	**.93**
878-FS0H474ZF	FS0H474ZF	5.5	0.47	13	0.71	21.5	13	7.62	**6.47**	**4.89**	**3.22**	**3.02**	**2.91**
878-FS1A105ZF	FS1A105ZF	11	1	7	3	28.5	31.5	10.16	**18.84**	**10.99**	**9.35**	**8.84**	**7.89**
878-FS1A474ZF	FS1A474ZF	11	0.47	7	1.41	28.5	25.5	10.16	**13.05**	**8.99**	**8.61**	**7.62**	**7.39**

FY SERIES

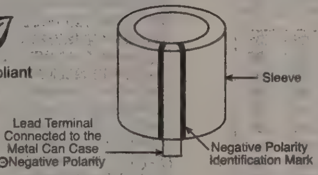
The FY series includes small-size electric double-layer capacitors with excellent voltage holding characteristics. The FYD type occupies only a small area on a printed circuit board, and the FYH and FYL types feature a low profile in height, so that they can be used in various systems. These capacitors are ideal as long-time backup devices for minute-current loads in small and lightweight systems.

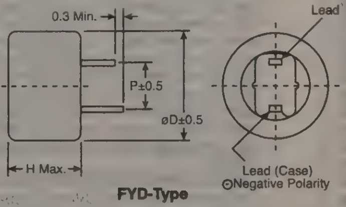
Features:
- Product variety makes the FYD, FYH, and FYL types suitable for use in many types of application systems.
- Excellent voltage holding characteristics ideal for backup of 1μA to several hundred μA.
- Smaller than other Super Capacitors (25% less than FS series in volume)
- Capacitance ranges from low to high (0.01F to 2.2F).

Applications:
- Backup of CMOS microcomputers, static RAMs, DTSs (digital tuning systems)
- Memory backup of remote controllers and handy cassette player during battery exchange

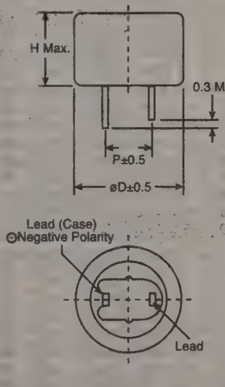
Specifications:
- Operating Temperature Range: -25°C to +70°C
- Maximum Operating Voltage: 5.5 VDC
- Capacitance Allowance: +80%, -20%

RoHS Compliant

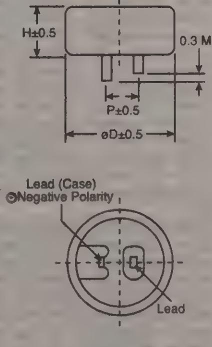

Sleeve
Lead Terminal Connected to the Metal Can Case ⊖Negative Polarity
Negative Polarity Identification Mark


0.3 Min.
Lead
P±0.5
øD±0.5
H Max.
Lead (Case) ⊖Negative Polarity

FYD-Type


H Max.
0.3 Min.
P±0.5
øD±0.5
Lead (Case) ⊖Negative Polarity
Lead

FYH-Type


H±0.5
0.3 Min.
P±0.5
øD±0.5
Lead (Case) ⊖Negative Polarity
Lead

FYL-Type

For quantities of 2000 and up, call for quote.

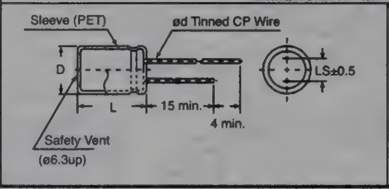
MOUSER STOCK NO.	NEC-TOKIN Part No.	Max. Rated Voltage (V)	Nominal Capacitance (F)	Max. ESR (at 1kHz) (Ω)	Max. Current at 30 Minutes (mA)	Min. Holding Voltage (V)	Dimensions: mm				Price Each				
							D	H	P	L	1	50	100	500	1000
878-FYD0H104ZF	FYD0H104ZF	5.5	0.1	100	0.15	4.2	13	8.5	5.08	2.2	**2.37**	**1.89**	**1.54**	**1.30**	**.97**
878-FYD0H105ZF	FYD0H105ZF	5.5	1	35	1.5	4.2	21.5	16	7.62	3	**4.16**	**3.33**	**2.39**	**2.24**	**2.16**
878-FYD0H225ZF	FYD0H225ZF	5.5	2.2	35	3.3	4.2	28.5	22	10.16	6.1	**9.53**	**8.44**	**5.89**	**5.49**	**5.12**
878-FYD0H473ZF	FYD0H473ZF	5.5	0.047	220	0.071	4.2	11.5	8.5	5.08	2.7	**1.52**	**1.33**	**1.18**	**1.07**	**0.78**
878-FYD0H474ZF	FYD0H474ZF	5.5	0.47	65	0.71	4.2	16.5	15	5.08	2.7	**4.79**	**4.10**	**3.65**	**2.49**	**2.31**
878-FYH0H105ZF	FYH0H105ZF	5.5	1	20	1.5	4.2	28.5	11	10.16	6.1	**6.75**	**5.58**	**3.85**	**3.65**	**3.49**
878-FYH0H224ZF	FYH0H224ZF	5.5	0.22	60	0.33	4.2	16.5	9.5	5.08	2.7	**4.29**	**3.61**	**2.93**	**1.93**	**1.89**
878-FYH0H473ZF	FYH0H473ZF	5.5	0.047	100	0.071	4.2	13	7	5.08	2.2	**1.79**	**1.58**	**1.44**	**1.25**	**.77**
878-FYH0H474ZF	FYH0H474ZF	5.5	0.47	35	0.71	4.2	21.5	10	7.62	3	**5.75**	**4.93**	**2.89**	**2.72**	**2.62**
878-FYL0H473ZF	FYL0H473ZF	5.5	0.047	200	0.071	4.2	12	5	5.08	2.7	**1.85**	**1.59**	**1.41**	**1.29**	**.78**

NICHICON Aluminum Electrolytic Capacitors

nichicon

nichicon UVR 85°C GENERAL PURPOSE SERIES (LEAD FREE)

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
6.3 Volt								
647-UVR0J101MDD	UVR0J101MDD	100	5 x 11	2.0	.18	.11	.08	.05
647-UVR0J221MDD	UVR0J221MDD	220	5 x 11	2.0	.23	.15	.10	.07
647-UVR0J331MED	UVR0J331MED	330	6.3 x 11	2.5	.24	.16	.11	.08
647-UVR0J471MED	UVR0J471MED	470	6.3 x 11	2.5	.29	.19	.13	.09
647-UVR0J102MPD	UVR0J102MPD	1000	8 x 11.5	3.5	.34	.25	.18	.13
647-UVR0J222MPD	UVR0J222MPD	2200	10 x 20	5.0	.53	.40	.28	.20
647-UVR0J332MPD	UVR0J332MPD	3300	10 x 20	5.0	.64	.48	.35	.25
647-UVR0J472MHD	UVR0J472MHD	4700	12.5 x 20	5.0	.92	.69	.51	.37
647-UVR0J682MHD	UVR0J682MHD	6800	12.5 x 25	5.0	1.17	.88	.66	.47
647-UVR0J103MHD	UVR0J103MHD	10000	16 x 25	7.5	1.67	1.25	.94	.67
647-UVR0J153MHD	UVR0J153MHD	15000	16 x 35.5	7.5	2.09	1.58	1.19	.89
647-UVR0J223MHD	UVR0J223MHD	22000	18 x 40	7.5	2.99	2.26	1.71	1.28
10 Volt								
647-UVR1A101MDD	UVR1A101MDD	100	5 x 11	2.0	.18	.12	.08	.05
647-UVR1A221MED	UVR1A221MED	220	6.3 x 11	2.5	.26	.16	.11	.07
647-UVR1A331MED	UVR1A331MED	330	6.3 x 11	2.5	.29	.19	.13	.09
647-UVR1A471MED	UVR1A471MED	470	6.3 x 11	2.5	.32	.22	.16	.11
647-UVR1A102MPD	UVR1A102MPD	1000	10 x 12.5	5.0	.38	.28	.20	.14
647-UVR1A222MPD	UVR1A222MPD	2200	10 x 20	5.0	.58	.42	.31	.22
647-UVR1A332MHD	UVR1A332MHD	3300	12.5 x 20	5.0	.89	.65	.48	.35
647-UVR1A472MHD	UVR1A472MHD	4700	12.5 x 25	5.0	1.10	.82	.61	.43
647-UVR1A682MHD	UVR1A682MHD	6800	16 x 25	7.5	1.55	1.16	.87	.62
647-UVR1A103MHD	UVR1A103MHD	10000	16 x 35.5	7.5	1.87	1.41	1.06	.80
647-UVR1A153MHD	UVR1A153MHD	15000	18 x 35.5	7.5	1.98	1.49	1.11	.79
16 Volt								
647-UVR1C100MDD	UVR1C100MDD	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1C220MDD	UVR1C220MDD	22	5 x 11	2.0	.16	.14	.07	.05
647-UVR1C330MDD	UVR1C330MDD	33	5 x 11	2.0	.16	.10	.07	.05
647-UVR1C470MDD	UVR1C470MDD	47	5 x 11	2.0	.16	.10	.07	.05
647-UVR1C101MDD	UVR1C101MDD	100	5 x 11	2.0	.21	.13	.09	.06
647-UVR1C221MED	UVR1C221MED	220	6.3 x 11	2.5	.26	.17	.12	.08
647-UVR1C331MPD	UVR1C331MPD	330	8 x 11.5	3.5	.30	.20	.14	.10
647-UVR1C471MPD	UVR1C471MPD	470	8 x 11.5	3.5	.30	.22	.16	.12
647-UVR1C102MPD	UVR1C102MPD	1000	10 x 16	5.0	.51	.37	.27	.19
647-UVR1C222MHD	UVR1C222MHD	2200	12.5 x 20	5.0	.77	.58	.42	.30
647-UVR1C332MHD	UVR1C332MHD	3300	12.5 x 25	5.0	1.14	.86	.64	.45
647-UVR1C472MHD	UVR1C472MHD	4700	16 x 25	7.5	1.42	1.06	.79	.57
647-UVR1C682MHD	UVR1C682MHD	6800	16 x 35.5	7.5	1.90	1.43	1.06	.76
647-UVR1C103MHD	UVR1C103MHD	10000	18 x 35.5	7.5	1.98	1.48	1.11	.79
25 Volt								
647-UVR1E100MDD	UVR1E100MDD	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1E220MDD	UVR1E220MDD	22	5 x 11	2.0	.18	.11	.08	.05
647-UVR1E330MDD	UVR1E330MDD	33	5 x 11	2.0	.17	.13	.09	.06
647-UVR1E470MDD	UVR1E470MDD	47	5 x 11	2.0	.18	.12	.08	.06
647-UVR1E101MED	UVR1E101MED	100	6.3 x 11	2.5	.26	.16	.11	.07
647-UVR1E221MPD	UVR1E221MPD	220	8 x 11.5	3.5	.32	.22	.15	.11
647-UVR1E331MPD	UVR1E331MPD	330	10 x 12.5	5.0	.22	.20	.18	.14
647-UVR1E471MPD	UVR1E471MPD	470	10 x 12.5	5.0	.40	.30	.21	.15
647-UVR1E102MPD	UVR1E102MPD	1000	10 x 20	5.0	.57	.42	.31	.22
647-UVR1E222MHD	UVR1E222MHD	2200	12.5 x 25	5.0	1.02	.76	.57	.41
647-UVR1E332MHD	UVR1E332MHD	3300	16 x 25	7.5	1.50	1.13	.85	.60
647-UVR1E472MHD	UVR1E472MHD	4700	16 x 31.5	7.5	1.90	1.42	1.07	.76
647-UVR1E682MHD	UVR1E682MHD	6800	18 x 35.5	7.5	2.00	1.51	1.14	.86
35 Volt								
647-UVR1V100MDD	UVR1V100MDD	10	5 x 11	2.0	.18	.11	.08	.05
647-UVR1V220MDD	UVR1V220MDD	22	5 x 11	2.0	.18	.11	.08	.05
647-UVR1V330MDD	UVR1V330MDD	33	5 x 11	2.0	.20	.13	.09	.06
647-UVR1V470MDD	UVR1V470MDD	47	5 x 11	2.0	.20	.13	.09	.06
647-UVR1V101MED	UVR1V101MED	100	6.3 x 11	2.5	.26	.17	.12	.08
647-UVR1V221MPD	UVR1V221MPD	220	10 x 12.5	5.0	.22	.20	.18	.14
647-UVR1V331MPD	UVR1V331MPD	330	10 x 12.5	5.0	.43	.32	.23	.16
647-UVR1V471MPD	UVR1V471MPD	470	10 x 16	5.0	.50	.37	.26	.19
647-UVR1V102MHD	UVR1V102MHD	1000	12.5 x 20	5.0	.92	.68	.50	.36
647-UVR1V222MHD	UVR1V222MHD	2200	16 x 25	7.5	1.44	1.07	.80	.57
647-UVR1V332MHD	UVR1V332MHD	3300	16 x 35.5	7.5	1.90	1.42	1.07	.76
647-UVR1V472MHD	UVR1V472MHD	4700	18 x 35.5	7.5	1.86	1.40	1.06	.80
50 Volt								
647-UVR1HR33MDD	UVR1HR33MDD	0.33	5 x 11	2.0	.18	.11	.08	.05
647-UVR1HR47MDD	UVR1HR47MDD	0.47	5 x 11	2.0	.19	.12	.08	.05
647-UVR1H010MDD	UVR1H010MDD	1.0	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H2R2MDD	UVR1H2R2MDD	2.2	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H3R3MDD	UVR1H3R3MDD	3.3	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H4R7MDD	UVR1H4R7MDD	4.7	5 x 11	2.0	.16	.10	.07	.05
647-UVR1H100MDD	UVR1H100MDD	10	5 x 11	2.0	.19	.11	.07	.05
647-UVR1H220MDD	UVR1H220MDD	22	5 x 11	2.0	.19	.11	.07	.05
647-UVR1H330MDD	UVR1H330MDD	33	5 x 11	2.0	.21	.13	.09	.06
647-UVR1H470MED	UVR1H470MED	47	6.3 x 11	2.5	.25	.16	.10	.07
647-UVR1H101MPD	UVR1H101MPD	100	8 x 11.5	3.5	.28	.24	.21	.18
647-UVR1H221MPD	UVR1H221MPD	220	10 x 12.5	5.0	.27	.25	.22	.17

Specifications:

- Operating temperature range: -40°C ~ +85°C (6.3 ~ 400V), -25°C ~ +85°C (450V)
- Voltage range: 6.3 ~ 450V
- Capacitance range: 0.1 ~ 33000µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Endurance: 2000 hours @ 85°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

LEAD-FREE

RoHS Compliant

Leakage Current:

6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (µA), whichever is greater. After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40µA or less. After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100µA or less.

For quantities of 1000 and up, call for quote.

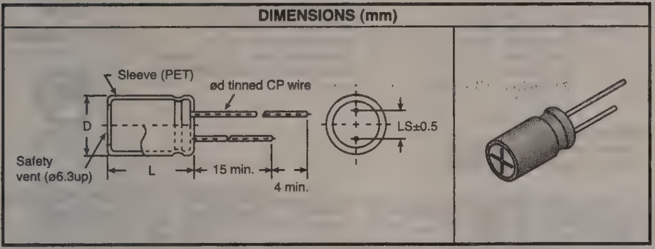
MOUSER STOCK NO.	Nichicon Part No.	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
50 Volt (cont.)								
647-UVR1H331MPD	UVR1H331MPD	330	10 x 16	5.0	.53	.39	.29	.21
647-UVR1H471MHD	UVR1H471MHD	470	12.5 x 20	5.0	.63	.47	.34	.25
647-UVR1H102MHD	UVR1H102MHD	1000	12.5 x 25	5.0	1.06	.79	.58	.42
647-UVR1H222MHD	UVR1H222MHD	2200	16 x 35.5	7.5	1.90	1.42	1.07	.76
647-UVR1H332MHD	UVR1H332MHD	3300	18 x 35.5	7.5	2.00	1.52	1.14	.85
63 Volt								
647-UVR1J100MDD	UVR1J100MDD	10	5 x 11	2.0	.20	.13	.09	.06
647-UVR1J220MDD	UVR1J220MDD	22	5 x 11	2.0	.22	.14	.09	.06
647-UVR1J330MED	UVR1J330MED	33	6.3 x 11	2.5	.23	.16	.11	.08
647-UVR1J470MED	UVR1J470MED	47	6.3 x 11	2.5	.30	.20	.14	.09
647-UVR1J101MPD	UVR1J101MPD	100	10 x 12.5	5.0	.30	.27	.23	.17
647-UVR1J221MPD	UVR1J221MPD	220	10 x 16	5.0	.53	.40	.29	.21
647-UVR1J331MPD	UVR1J331MPD	330	10 x 20	5.0	.64	.47	.35	.25
647-UVR1J471MHD	UVR1J471MHD	470	12.5 x 20	5.0	.88	.65	.48	.35
647-UVR1J102MHD	UVR1J102MHD	1000	16 x 25	7.5	1.40	1.05	.79	.56
647-UVR1J222MHD	UVR1J222MHD	2200	18 x 35.5	7.5	1.88	1.42	1.07	.80
100 Volt								
647-UVR2A0R1MDD	UVR2A0R1MDD	0.1	5 x 11	2.0	.20	.13	.09	.06
647-UVR2AR22MDD	UVR2AR22MDD	0.22	5 x 11	2.0	.20	.12	.08	.05
647-UVR2AR33MDD	UVR2AR33MDD	0.33	5 x 11	2.0	.20	.12	.08	.05
647-UVR2AR47MDD	UVR2AR47MDD	0.47	5 x 11	2.0	.20	.12	.08	.05
647-UVR2A010MDD	UVR2A010MDD	1.0	5 x 11	2.0	.20	.13	.09	.06
647-UVR2A2R2MDD	UVR2A2R2MDD	2.2	5 x 11	2.0	.20	.12	.08	.05
647-UVR2A3R3MDD	UVR2A3R3MDD	3.3	5 x 11	2.0	.19	.12	.08	.06
647-UVR2A4R7MDD	UVR2A4R7MDD	4.7	5 x 11	2.0	.20	.13	.09	.06
647-UVR2A100MED	UVR2A100MED	10	6.3 x 11	2.5	.25	.16	.10	.07
647-UVR2A220MED	UVR2A220MED	22	6.3 x 11	2.5	.30	.20	.14	.09
647-UVR2A330MPD	UVR2A330MPD	33	8 x 11.5	3.5	.38	.26	.18	.12
647-UVR2A470MPD	UVR2A470MPD	47	10 x 12.5	5.0	.36	.27	.19	.14
647-UVR2A101MPD	UVR2A101MPD	100	10 x 20	5.0	.58	.43	.31	.22
647-UVR2A221MHD	UVR2A221MHD	220	12.5 x 25	5.0	.96	.70	.52	.37
647-UVR2A331MHD	UVR2A331MHD	330	12.5 x 25	5.0	1.07	.79	.58	.42
647-UVR2A471MHD	UVR2A471MHD	470	16 x 25	7.5	1.40	1.05	.79	.56
647-UVR2A102MHD	UVR2A102MHD	1000	18 x 40	7.5	1.90	1.42	1.07	.76
160 Volt								
647-UVR2C010MED	UVR2C010MED	1.0	6.3 x 11	2.5	.25	.16	.10	.07
647-UVR2C2R2MED	UVR2C2R2MED	2.2	6.3 x 11	2.5	.15	.13	.11	.09
647-UVR2C4R7MED	UVR2C4R7MED	4.7	6.3 x 11	2.5	.14	.13	.11	.08
647-UVR2C100MPD	UVR2C100MPD	10	8 x 11.5	3.5	.33	.21	.15	.11
647-UVR2C220MPD	UVR2C220MPD	22	10 x 16	5.0	.38	.27	.20	.14
647-UVR2C330MPD	UVR2C330MPD	33	10 x 20	5.0	.58	.43	.31	.22
647-UVR2C470MHD	UVR2C470MHD	47	12.5 x 20	5.0	.65	.49	.36	.26
647-UVR2C101MHD	UVR2C101MHD	100	12.5 x 25	5.0	1.03	.76	.56	.39
647-UVR2C221MHD	UVR2C221MHD	220	16 x 35.5	7.5	1.63	1.23	.91	.65
647-UVR2C331MHD	UVR2C331MHD	330	18 x 40	7.5	1.83	1.38	1.05	.79
647-UVR2C471MRD	UVR2C471MRD	470	22 x 40	10.0	3.16	2.39	1.80	1.34
250 Volt								
647-UVR2E010MED	UVR2E010MED	1.0	6.3 x 11	2.5	.14	.13	.11	.08
647-UVR2E2R2MED	UVR2E2R2MED	2.2	6.3 x 11	2.5	.31	.21	.15	.10
647-UVR2E3R3MPD	UVR2E3R3MPD	3.3	8 x 11.5	3.5	.32	.21	.15	.10
647-UVR2E4R7MPD	UVR2E4R7MPD	4.7	8 x 11.5	3.5	.34	.24	.17	.12
647-UVR2E100MPD	UVR2E100MPD	10	10 x 16	5.0	.39	.29	.21	.15
647-UVR2E220MHD	UVR2E220MHD	22	12.5 x 20	5.0	.61	.45	.32	.23
647-UVR2E330MHD	UVR2E330MHD	33	12.5 x 20	5.0	.65	.49	.36	.26
647-UVR2E470MHD	UVR2E470MHD	47	12.5 x 25	5.0	1.02	.76	.56	.40
647-UVR2E101MHD	UVR2E101MHD	100	16 x 31.5	7.5	1.79	1.34	1.01	.72
647-UVR2E221MRD	UVR2E221MRD	220	20 x 40	10.0	3.52	3.19	2.70	2.05
350 Volt								
647-UVR2V010MED	UVR2V010MED	1.0	6.3 x 11	2.5	.26	.18	.12	.08
647-UVR2V2R2MPD	UVR2V2R2MPD	2.2	8 x 11.5	3.5	.34	.23	.16	.11
647-UVR2V3R3MPD	UVR2V3R3MPD	3.3	10 x 12.5	5.0	.39	.29	.20	.15
647-UVR2V4R7MPD	UVR2V4R7MPD	4.7	10 x 12.5	5.0	.39	.29	.20	.15
647-UVR2V100MPD	UVR2V100MPD	10	10 x 20	5.0	.57	.42	.30	.21
647-UVR2V220MHD	UVR2V220MHD	22	12.5 x 25	5.0	.63	.47	.35	.25
647-UVR2V330MHD	UVR2V330MHD	33	16 x 25	7.5	1.08	.80	.59	.43
647-UVR2V470MHD	UVR2V470MHD	47	16 x 35.5	7.5	1.74	1.30	.98	.70
647-UVR2V101MHD	UVR2V101MHD	100	18 x 40	7.5	1.78	1.34	1.02	.75
400 Volt								
647-UVR2G010MPD	UVR2G010MPD	1.0	8 x 11.5	3.5	.30	.21	.14	.10
647-UVR2G2R2MPD	UVR2G2R2MPD	2.2	10 x 12.5	5.0	.38	.27	.19	.14
647-UVR2G4R7MPD	UVR2G4R7MPD	4.7	10 x 16	5.0	.39	.29	.20	.15
647-UVR2G100MHD	UVR2G100MHD	10	12.5 x 20	5.0	.58	.43	.31	.23
450 Volt								
647-UVR2W3R3MPD	UVR2W3R3MPD	3.3	10 x 16	5.0	.39	.29	.21	.15
647-UVR2W220MHD	UVR2W220MHD	22	16 x 25	7.5	1.07	.80	.60	.43
647-UVR2W330MHD	UVR2W330MHD	33	16 x 35.5	7.5	1.89	1.42	1.06	.75

NICHICON Aluminum Electrolytic Capacitors

nichicon

nichicon UVZ SERIES 105°C CAPACITORS (LEAD FREE)

DIMENSIONS (mm)



Specifications:

- Operating temperature range: -55°C ~ +105°C (6.3 ~ 100V), -40°C ~ +105°C (60 ~ 400V), -25°C ~ +105°C (450V)
- Voltage range: 6.3 ~ 450V
- Capacitance range: 0.1 ~ 33000μF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Small case sizes as VR series, but operating over wide temperature range of -55°C ~ 105°C

Endurance:

- 1000 hours @ 105°C

Application note:

- A higher voltage capacitor may be used in a lower voltage application

RoHS Compliant

LEAD-FREE

Leakage Current:

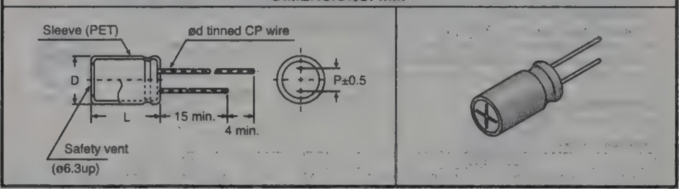
6.3V ~ 100V	160V ~ 450V
After 1 minute application of rated voltage, leakage current is not more than 0.03CV or 4 (μA), whichever is greater. After 2 minutes application of rated voltage, leakage current is not more than 0.01CV or 3 (μA), whichever is greater.	After 1 minute application of rated voltage, CV ≤ 1000: I = 0.1CV + 40μA or less. After 1 minutes application of rated voltage, CV > 1000: I = 0.04CV + 100μA or less.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Value (μF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
					1	10	100	500
6.3 Volt								
647-UVZ0J101MDD	UVZ0J101MDD	100	5 x 11	2.0	.15	.13	.11	.09
647-UVZ0J221MDD	UVZ0J221MDD	220	5 x 11	2.0	.18	.16	.14	.10
647-UVZ0J331MED	UVZ0J331MED	330	6.3 x 11	2.5	.33	.22	.16	.11
647-UVZ0J471MED	UVZ0J471MED	470	6.3 x 11	2.5	.32	.24	.17	.12
647-UVZ0J102MPD	UVZ0J102MPD	1000	8 x 11.5	3.5	.25	.17	.12	.08
647-UVZ0J222MPD	UVZ0J222MPD	2200	10 x 20	5.0	.65	.45	.31	.25
647-UVZ0J332MPD	UVZ0J332MPD	3300	10 x 20	5.0	.72	.53	.39	.28
647-UVZ0J472MHD	UVZ0J472MHD	4700	12.5 x 20	5.0	1.05	.79	.59	.42
647-UVZ0J682MHD	UVZ0J682MHD	6800	12.5 x 25	5.0	1.43	1.07	.80	.57
647-UVZ0J103MHD	UVZ0J103MHD	10000	16 x 25	7.5	1.79	1.35	1.02	.77
647-UVZ0J153MHD	UVZ0J153MHD	15000	16 x 35.5	7.5	2.25	1.69	1.27	.90
647-UVZ0J223MHD	UVZ0J223MHD	22000	18 x 40	7.5	2.00	1.50	2.09	1.13
10 Volt								
647-UVZ1A101MDD	UVZ1A101MDD	100	5 x 11	2.0	.23	.15	.11	.07
647-UVZ1A221MED	UVZ1A221MED	220	6.3 x 11	2.5	.20	.18	.15	.12
647-UVZ1A331MED	UVZ1A331MED	330	6.3 x 11	2.5	.32	.24	.17	.12
647-UVZ1A471MED	UVZ1A471MED	470	6.3 x 11	2.5	.39	.29	.20	.15
647-UVZ1A102MPD	UVZ1A102MPD	1000	10 x 12.5	5.0	.54	.40	.30	.21
647-UVZ1A222MPD	UVZ1A222MPD	2200	10 x 20	5.0	.72	.53	.39	.28
647-UVZ1A332MHD	UVZ1A332MHD	3300	12.5 x 20	5.0	1.04	.75	.56	.40
647-UVZ1A472MHD	UVZ1A472MHD	4700	12.5 x 25	5.0	1.29	.97	.72	.51
647-UVZ1A682MHD	UVZ1A682MHD	6800	16 x 25	7.5	1.89	1.42	1.07	.76
647-UVZ1A103MHD	UVZ1A103MHD	10000	16 x 35.5	7.5	2.24	1.69	1.27	.94
647-UVZ1A153MHD	UVZ1A153MHD	15000	18 x 35.5	7.5	2.38	1.80	1.35	1.01
16 Volt								
647-UVZ1C470MDD	UVZ1C470MDD	47	5 x 11	2.0	.15	.13	.11	.09
647-UVZ1C101MDD	UVZ1C101MDD	100	5 x 11	2.0	.18	.16	.14	.10
647-UVZ1C221MED	UVZ1C221MED	220	6.3 x 11	2.5	.32	.24	.17	.12
647-UVZ1C331MPD	UVZ1C331MPD	330	8 x 11.5	3.5	.39	.29	.20	.15
647-UVZ1C471MPD	UVZ1C471MPD	470	8 x 11.5	3.5	.43	.31	.22	.16
647-UVZ1C102MPD	UVZ1C102MPD	1000	10 x 16	5.0	.64	.40	.35	.25
647-UVZ1C222MHD	UVZ1C222MHD	2200	12.5 x 20	5.0	1.01	.75	.56	.40
647-UVZ1C332MHD	UVZ1C332MHD	3300	12.5 x 25	5.0	1.41	1.06	.79	.56
647-UVZ1C472MHD	UVZ1C472MHD	4700	16 x 25	7.5	1.85	1.42	1.00	.75
647-UVZ1C682MHD	UVZ1C682MHD	6800	16 x 35.5	7.5	2.24	1.69	1.27	.94
647-UVZ1C103MHD	UVZ1C103MHD	10000	18 x 35.5	7.5	2.38	1.80	1.35	1.01
25 Volt								
647-UVZ1E470MDD	UVZ1E470MDD	47	5 x 11	2.0	.22	.13	.09	.05
647-UVZ1E101MED	UVZ1E101MED	100	6.3 x 11	2.5	.28	.17	.11	.07
647-UVZ1E221MPD	UVZ1E221MPD	220	8 x 11.5	3.5	.39	.29	.20	.15
647-UVZ1E331MPD	UVZ1E331MPD	330	10 x 12.5	5.0	.37	.27	.20	.13
647-UVZ1E471MPD	UVZ1E471MPD	470	10 x 12.5	5.0	.33	.25	.17	.12
647-UVZ1E102MPD	UVZ1E102MPD	1000	10 x 20	5.0	.63	.47	.34	.24
647-UVZ1E222MHD	UVZ1E222MHD	2200	12.5 x 25	5.0	1.39	1.04	.78	.55
647-UVZ1E332MHD	UVZ1E332MHD	3300	16 x 25	7.5	1.15	.86	.64	.46
647-UVZ1E472MHD	UVZ1E472MHD	4700	16 x 31.5	7.5	1.34	1.01	.75	.53
647-UVZ1E682MHD	UVZ1E682MHD	6800	18 x 35.5	7.5	2.64	1.99	1.50	1.12
35 Volt								
647-UVZ1V330MDD	UVZ1V330MDD	33	5 x 11	2.0	.17	.16	.13	.10
647-UVZ1V470MDD	UVZ1V470MDD	47	5 x 11	2.0	.22	.13	.09	.06
647-UVZ1V101MED	UVZ1V101MED	100	6.3 x 11	2.5	.35	.24	.17	.12
647-UVZ1V221MPD	UVZ1V221MPD	220	10 x 12.5	5.0	.48	.35	.25	.18
647-UVZ1V331MPD	UVZ1V331MPD	330	10 x 12.5	5.0	.44	.32	.22	.16
647-UVZ1V471MPD	UVZ1V471MPD	470	10 x 16	5.0	.64	.48	.35	.25
647-UVZ1V102MHD	UVZ1V102MHD	1000	12.5 x 20	5.0	1.01	.75	.56	.40
647-UVZ1V222MHD	UVZ1V222MHD	2200	16 x 25	7.5	1.70	1.27	.95	.67
647-UVZ1V332MHD	UVZ1V332MHD	3300	16 x 35.5	7.5	2.24	1.69	1.27	.94
647-UVZ1V472MHD	UVZ1V472MHD	4700	18 x 35.5	7.5	2.39	1.80	1.36	1.02
50 Volt								
647-UVZ1H0R1MDD	UVZ1H0R1MDD	0.1	5 x 11	2.0	.27	.16	.11	.07
647-UVZ1HR22MDD	UVZ1HR22MDD	0.22	5 x 11	2.0	.25	.16	.11	.07
647-UVZ1HR33MDD	UVZ1HR33MDD	0.33	5 x 11	2.0	.25	.16	.11	.07
647-UVZ1HR47MDD	UVZ1HR47MDD	0.47	5 x 11	2.0	.25	.16	.11	.07
647-UVZ1H010MDD	UVZ1H010MDD	1.0	5 x 11	2.0	.22	.13	.09	.06
647-UVZ1H2R2MDD	UVZ1H2R2MDD	2.2	5 x 11	2.0	.22	.13	.09	.06
647-UVZ1H3R3MDD	UVZ1H3R3MDD	3.3	5 x 11	2.0	.26	.16	.11	.07
647-UVZ1H4R7MDD	UVZ1H4R7MDD	4.7	5 x 11	2.0	.22	.13	.09	.06
647-UVZ1H100MDD	UVZ1H100MDD	10	5 x 11	2.0	.15	.13	.11	.09
647-UVZ1H220MDD	UVZ1H220MDD	22	5 x 11	2.0	.17	.16	.13	.10
647-UVZ1H330MDD	UVZ1H330MDD	33	5 x 11	2.0	.19	.17	.15	.11
647-UVZ1H470MED	UVZ1H470MED	47	6.3 x 11	2.5	.20	.12	.08	.06
647-UVZ1H101MPD	UVZ1H101MPD	100	8 x 11.5	3.5	.39	.29	.20	.15
50 Volt (cont.)								
647-UVZ1H221MPD	UVZ1H221MPD	220	10 x 12.5	5.0	.57	.41	.31	.22
647-UVZ1H331MPD	UVZ1H331MPD	330	10 x 16	5.0	.59	.43	.30	.22
647-UVZ1H471MHD	UVZ1H471MHD	470	12.5 x 20	5.0	1.04	.79	.58	.40
647-UVZ1H102MHD	UVZ1H102MHD	1000	12.5 x 25	5.0	1.00	.74	.54	.39
647-UVZ1H222MHD	UVZ1H222MHD	2200	16 x 35.5	7.5	2.24	1.69	1.27	.94
647-UVZ1H332MHD	UVZ1H332MHD	3300	18 x 35.5	7.5	2.69	2.00	1.53	1.14
63 Volt								
647-UVZ1J100MDD	UVZ1J100MDD	10	5 x 11	2.0	.24	.16	.12	.08
647-UVZ1J220MDD	UVZ1J220MDD	22	5 x 11	2.0	.19	.17	.15	.11
647-UVZ1J330MED	UVZ1J330MED	33	6.3 x 11	2.5	.33	.22	.16	.11
647-UVZ1J470MED	UVZ1J470MED	47	6.3 x 11	2.5	.35	.25	.17	.12
647-UVZ1J101MPD	UVZ1J101MPD	100	10 x 12.5	5.0	.40	.30	.20	.15
647-UVZ1J221MPD	UVZ1J221MPD	220	10 x 16	5.0	.70	.51	.37	.27
647-UVZ1J331MPD	UVZ1J331MPD	330	10 x 20	5.0	.79	.59	.43	.30
647-UVZ1J471MHD	UVZ1J471MHD	470	12.5 x 20	5.0	1.04	.77	.56	.40
647-UVZ1J102MHD	UVZ1J102MHD	1000	16 x 25	7.5	1.67	1.24	.93	.66
647-UVZ1J222MHD	UVZ1J222MHD	2200	18 x 35.5	7.5	2.09	1.58	1.19	1.73
100 Volt								
647-UVZ2AR47MDD	UVZ2AR47MDD	0.47	5 x 11	2.0	.24	.16	.11	.07
647-UVZ2A010MDD	UVZ2A010MDD	1.0	5 x 11	2.0	.25	.16	.11	.07
647-UVZ2A2R2MDD	UVZ2A2R2MDD	2.2	5 x 11	2.0	.25	.16	.11	.07
647-UVZ2A3R3MDD	UVZ2A3R3MDD	3.3	5 x 11	2.0	.25	.17	.12	.08
647-UVZ2A4R7MDD	UVZ2A4R7MDD	4.7	5 x 11	2.0	.25	.17	.12	.08
647-UVZ2A100MED	UVZ2A100MED	10	6.3 x 11	2.5	.32	.22	.15	.10
647-UVZ2A220MED	UVZ2A220MED	22	6.3 x 11	2.5	.37	.25	.17	.12
647-UVZ2A330MPD	UVZ2A330MPD	33	8 x 11.5	3.5	.39	.29	.20	.15
647-UVZ2A470MPD	UVZ2A470MPD	47	10 x 12.5	5.0	.45	.33	.23	.17
647-UVZ2A101MPD	UVZ2A101MPD	100	10 x 20	5.0	.63	.46	.33	.24
647-UVZ2A221MHD	UVZ2A221MHD	220	12.5 x 25	5.0	1.05	.79	.58	.42
647-UVZ2A331MHD	UVZ2A331MHD	330	12.5 x 25	5.0	1.17	.87	.65	.46
647-UVZ2A471MHD	UVZ2A471MHD	470	16 x 25	7.5	1.66	1.24	.93	.66
647-UVZ2A102MHD	UVZ2A102MHD	1000	18 x 40	7.5	2.39	1.80	1.36	1.01
160 Volt								
647-UVZ2C010MED	UVZ2C010MED	1.0	6.3 x 11	2.5	.24	.16	.11	.08
647-UVZ2C2R2MED	UVZ2C2R2MED	2.2	6.3 x 11	2.5	.30	.20	.14	.09
647-UVZ2C3R3MED	UVZ2C3R3MED	3.3	6.3 x 11	2.5	.38	.25	.18	.13
647-UVZ2C4R7MED	UVZ2C4R7MED	4.7	6.3 x 11	2.5	.38	.26	.18	.12
647-UVZ2C100MPD	UVZ2C100MPD	10	8 x 11.5	3.5	.39	.28	.20	.15
647-UVZ2C220MPD	UVZ2C220MPD	22	10 x 16	5.0	.57	.41	.29	.21
647-UVZ2C330MPD	UVZ2C330MPD	33	10 x 20	5.0	.66	.48	.35	.26
647-UVZ2C470MHD	UVZ2C470MHD	47	12.5 x 20	5.0	.75	.55	.40	.29
647-UVZ2C101MHD	UVZ2C101MHD	100	12.5 x 25	5.0	1.09	.81	.61	.43
647-UVZ2C221MHD	UVZ2C221MHD	220	16 x 35.5	7.5	1.88	1.42	1.07	.80
647-UVZ2C331MHD	UVZ2C331MHD	330	18 x 40	7.5	2.35	1.77	1.33	1.00
200 Volt								
647-UVZ2D010MED	UVZ2D010MED	1.0	6.3 x 11	2.5	.46	.34	.24	.17
647-UVZ2D2R2MED	UVZ2D2R2MED	2.2	6.3 x 11	2.5	.33	.23	.16	.11
647-UVZ2D3R3MED	UVZ2D3R3MED	3.3	6.3 x 11	3.5	.38	.26	.18	.12
647-UVZ2D4R7MPD	UVZ2D4R7MPD	4.7	8 x 11.5	3.5	.39	.29	.21	.15
647-UVZ2D100MPD	UVZ2D100MPD	10	10 x 12.5	5.0	.49	.36	.26	.18
647-UVZ2D220MPD	UVZ2D220MPD	22	10 x 20	5.0	.66	.49	.36	.26
647-UVZ2D330MHD	UVZ2D330MHD	33	12.5 x 20	5.0	.75	.56	.40	.29
647-UVZ2D470MHD	UVZ2D470MHD	47	12.5 x 20	5.0	.75	.56	.40	.29
647-UVZ2D101MHD	UVZ2D101MHD	100	16 x 31.5	7.5	1.83	1.37	1.03	.73
250 Volt								
647-UVZ2E010MED	UVZ2E010MED	1.0	6.3 x 11	2.5	.30	.21	.14	.09
647-UVZ2E2R2MED	UVZ2E2R2MED	2.2	6.3 X 11	2.5	.38	.26	.18	.12
647-UVZ2E3R3MPD	UVZ2E3R3MPD	3.3	8 x 11.5	3.5	.38	.26	.18	.12
647-UVZ2E4R7MPD	UVZ2E4R7MPD	4.7	8 x 11.5	3.5	.39	.29	.21	.15
647-UVZ2E100MPD	UVZ2E100MPD	10	10 x 16	5.0	.57	.42	.29	.21
647-UVZ2E220MHD	UVZ2E220MHD	22	12.5 x 20	5.0	.66	.49	.36	.26
647-UVZ2E330MHD	UVZ2E330MHD	33	12.5 x 20	5.0	.75	.56	.40	.29
647-UVZ2E470MHD	UVZ2E470MHD	47	12.5 x 25	5.0	1.09	.82	.61	.43
647-UVZ2E101MHD	UVZ2E101MHD	100	16 x 31.5	7.5	1.94	1.46	1.10	.83
450 Volt								
647-UVZ2W010MPD	UVZ2W010MPD	1.0	8 x 11.5	3.5	.37	.27	.19	.13
647-UVZ2W2R2MPD	UVZ2W2R2MPD	2.2	10 x 12.5	5.0	.47	.35	.25	.18
647-UVZ2W3R3MPD	UVZ2W3R3MPD	3.3	10 x 16	5.0	.56	.42	.30	.21
647-UVZ2W4R7MPD	UVZ2W4R7MPD	4.7	10 x 20	5.0	.69	.51	.38	.27
647-UVZ2W100MHD	UVZ2W100MHD	10	12.5 x 20	5.0	1.04	.78	.58	.41
647-UVZ2W220MHD	UVZ2W220MHD	22	16 x 25	7.5	1.47	1.09	.82	.58
647-UVZ2W330MHD	UVZ2W330MHD	33	16 x 35.5	7.5	1.85	1.39	1.05	.79

nichicon UPW 105°C LOW IMPEDANCE, HIGH REL. SERIES (LEAD FREE)

DIMENSIONS: mm



Features:

- Low impedance and high reliability
- Endurance: 2000 hours: ØD 5-6.3
  3000 hours: ØD 8
  5000 hours: ØD 10
  7000 hours: ØD 12.5
  8000 hours: ØD 16-18

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

Specifications:

- Operating temperature range: -55°C ~ +105°C (6.3 ~ 100V)
- Voltage range: 6.3 ~ 450V
- Capacitance range: 0.47 ~ 15000μF
- Capacitance tolerance: ±20% at 120Hz, 20°C

RoHS Compliant

LEAD-FREE

For quantities of 1000 and up, call for quote.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Impedance Ω Max. @ 20°C/100kHz	Ripple (mA rms) 105°C/100kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
6.3 Volt									
647-UPW0J221MED	220	0.25	290	6.3 x 11	2.5	.32	.22	.15	.12
647-UPW0J331MED	330	0.25	290	6.3 x 11	2.5	.39	.26	.18	.14
647-UPW0J821MPD	820	0.085	730	8 x 15	3.5	.50	.36	.26	.20
647-UPW0J102MPD	1000	0.090	755	10 x 12.5	5.0	.55	.40	.29	.24
647-UPW0J122MPD	1200	0.065	995	8 x 20	3.5	.56	.41	.29	.22
647-UPW0J122MPD6	1200	0.068	1050	10 x 16	5.0	.60	.45	.33	.26
647-UPW0J152MPD	1500	0.052	1220	10 x 20	5.0	.60	.45	.33	.27
647-UPW0J222MPD6	2200	0.045	1440	10 x 25	5.0	.79	.59	.43	.36
647-UPW0J332MHD	3300	0.038	1655	12.5 x 20	5.0	1.04	.77	.56	.44
647-UPW0J392MHD	3900	0.030	1945	12.5 x 25	5.0	1.15	.86	.65	.55
647-UPW0J472MHD	4700	0.022	2555	16 x 25	7.5	1.18	.89	.65	.54
647-UPW0J472MHD6	4700	0.025	2310	12.5 x 31.5	5.0	1.18	.89	.65	.54
647-UPW0J562MHD	5600	0.022	2510	12.5 x 35.5	5.0	1.48	1.10	.82	.69
647-UPW0J682MHD	6800	0.022	2555	16 x 25	7.5	1.51	1.13	.85	.68
647-UPW0J682MHD6	6800	0.028	2490	18 x 20	7.5	1.51	1.13	.85	.68
647-UPW0J103MHD	10000	0.016	3150	16 x 31.5	7.5	1.92	1.45	1.09	.86
647-UPW0J103MHD6	10000	0.020	2740	18 x 25	7.5	1.92	1.45	1.09	.86
647-UPW0J153MHD	15000	0.015	3680	18 x 35.5	7.5	2.37	1.79	1.35	1.17
10 Volt									
647-UPW1A220MDD	22	0.60	180	5 x 11	2.0	.23	.15	.11	.09
647-UPW1A820MDD	82	0.60	180	5 x 11	2.0	.26	.17	.12	.10
647-UPW1A101MDD	100	0.60	180	5 x 11	2.0	.26	.17	.12	.10
647-UPW1A221MED	220	0.25	290	6.3 x 11	2.5	.33	.24	.17	.13
647-UPW1A471MPD	470	0.117	555	8 x 11.5	3.5	.49	.35	.25	.18
647-UPW1A681MPD	680	0.09	755	10 x 12.5	5.0	.50	.36	.26	.20
647-UPW1A681MPD6	680	0.085	730	8 x 15	3.5	.50	.36	.26	.20
647-UPW1A102MPD	1000	0.068	1050	10 x 16	5.0	.61	.45	.32	.24
647-UPW1A102MPD6	1000	0.065	995	8 x 20	3.5	.61	.45	.32	.24
647-UPW1A122MPD	1200	0.052	1220	10 x 20	5.0	.68	.51	.37	.29
647-UPW1A152MPD6	1500	0.045	1440	10 x 25	5.0	.71	.53	.38	.29
647-UPW1A222MHD	2200	0.038	1655	12.5 x 20	5.0	1.00	.75	.55	.43
647-UPW1A272MHD	2700	0.030	1945	12.5 x 25	5.0	1.04	.77	.56	.45
647-UPW1A332MHD	3300	0.030	1945	12.5 x 25	5.0	.89	.66	.48	.36
647-UPW1A332MHD6	3300	0.025	2310	12.5 x 31.5	5.0	.89	.66	.48	.36
647-UPW1A392MHD	3900	0.022	2510	12.5 x 35.5	5.0	1.18	.89	.65	.54
647-UPW1A472MHD	4700	0.022	2555	16 x 25	7.5	1.44	1.08	.80	.63
647-UPW1A562MHD6	5600	0.028	2490	18 x 20	7.5	1.82	1.37	1.03	.79
647-UPW1A682MHD	6800	0.018	3010	16 x 31.5	7.5	1.92	1.45	1.09	.86
647-UPW1A682MHD6	6800	0.020	2740	18 x 25	7.5	1.92	1.45	1.09	.86
647-UPW1A103MHD	10000	0.015	3680	18 x 35.5	7.5	2.37	1.79	1.35	1.17
16 Volt									
647-UPW1C820MDD	82	0.50	235	5 x 15	2.0	.29	.19	.14	.11
647-UPW1C121MED	120	0.25	290	6.3 x 11	2.5	.32	.22	.15	.12
647-UPW1C181MED	180	0.23	430	6.3 x 15	2.5	.33	.24	.17	.13
647-UPW1C331MPD	330	0.117	555	8 x 11.5	3.5	.50	.36	.26	.20
647-UPW1C471MPD	470	0.090	755	10 x 12.5	5.0	.52	.38	.27	.21
647-UPW1C471MPD6	470	0.085	730	8 x 15	3.5	.52	.38	.27	.21
647-UPW1C681MPD	680	0.068	1050	10 x 16	5.0	.66	.49	.36	.29
647-UPW1C681MPD6	680	0.065	995	8 x 20	3.5	.66	.49	.36	.29
647-UPW1C821MPD	820	0.052	1220	10 x 20	5.0	.77	.57	.42	.36
647-UPW1C102MPD	1000	0.052	1220	10 x 20	5.0	.77	.57	.42	.36
647-UPW1C152MHD	1500	0.038	1655	12.5 x 20	5.0	1.06	.78	.57	.45
647-UPW1C152MPD6	1500	0.035	1815	10 x 31.5	5.0	1.06	.78	.57	.45
647-UPW1C222MHD	2200	0.030	1945	12.5 x 25	5.0	.83	.62	.45	.36
647-UPW1C272MHD	2700	0.025	2310	12.5 x 31.5	5.0	1.54	1.15	.86	.69
647-UPW1C332MHD	3300	0.022	2555	16 x 25	7.5	1.59	1.19	.89	.67
647-UPW1C332MHD6	3300	0.022	2510	12.5 x 35.5	5.0	1.59	1.19	.89	.67
647-UPW1C392MHD	3900	0.022	2555	16 x 25	7.5	1.82	1.37	1.03	.79
647-UPW1C472MHD	4700	0.018	3010	16 x 31.5	7.5	1.82	1.37	1.03	.79
647-UPW1C472MHD6	4700	0.020	2740	18 x 25	7.5	1.82	1.37	1.03	.79
647-UPW1C562MHD	5600	0.016	3150	16 x 35.5	7.5	1.92	1.45	1.09	.86
647-UPW1C822MHD	8200	0.015	3680	18 x 35.5	7.5	2.37	1.79	1.35	1.17
25 Volt									
647-UPW1E470MDD	47	0.60	180	5 x 11	2.0	.31	.21	.15	.12
647-UPW1E560MDD	56	0.50	235	5 x 15	2.0	.31	.21	.15	.12
647-UPW1E101MED	100	0.250	290	6.3 x 11	2.5	.35	.26	.19	.13
647-UPW1E121MED	120	0.230	430	6.3 x 15	2.5	.36	.26	.19	.15
647-UPW1E221MPD	220	0.117	555	8 x 11.5	3.5	.50	.36	.26	.20
647-UPW1E331MPD	330	0.090	755	10 x 12.5	5.0	.51	.37	.26	.21
647-UPW1E331MPD6	330	0.085	730	8 x 15	3.5	.51	.37	.26	.21
647-UPW1E471MPD	470	0.068	1050	10 x 16	5.0	.68	.51	.37	.29
647-UPW1E471MPD6	470	0.065	995	8 x 20	3.5	.68	.51	.37	.29
647-UPW1E561MPD	560	0.052	1220	10 x 20	5.0	.79	.59	.43	.36
647-UPW1E681MPD	680	0.052	1220	10 x 20	5.0	.79	.59	.43	.36
647-UPW1E102MHD	1000	0.038	1655	12.5 x 20	5.0	1.02	.76	.55	.43
647-UPW1E152MHD	1500	0.022	2555	16 x 25	7.5	1.19	.88	.66	.53
647-UPW1E152MHD6	1500	0.030	1945	12.5 x 25	5.0	1.19	.88	.66	.53
647-UPW1E182MHD	1800	0.025	2310	12.5 x 31.5	7.5	1.48	1.10	.82	.69
647-UPW1E222MHD6	2200	0.028	2490	18 x 20	7.5	1.54	1.15	.86	.69
647-UPW1E222MHD3	2200	0.022	2510	12.5 x 35.5	7.5	1.54	1.15	.86	.69
647-UPW1E272MHD	2700	0.022	2555	16 x 25	7.5	1.75	1.32	1.00	.79
647-UPW1E332MHD	3300	0.018	3010	16 x 31.5	7.5	1.83	1.38	1.04	.83
25 Volt (cont.)									
647-UPW1E332MHD6	3300	0.02	2740	18 x 25	7.5	1.83	1.38	1.04	.83
647-UPW1E472MHD	4700	0.015	3680	18 x 35.5	7.5	1.85	1.40	1.05	.92
35 Volt									
647-UPW1V330MDD	33	0.60	180	5 x 11	2.0	.31	.21	.14	.11
647-UPW1V390MDD	39	0.50	235	5 x 15	2.0	.32	.22	.15	.12
647-UPW1V820MED	82	0.23	430	6.3 x 15	2.5	.37	.27	.19	.15
647-UPW1V151MPD	150	0.117	555	8 x 11.5	3.5	.39	.29	.20	.15
647-UPW1V221MPD	220	0.090	755	10 x 12.5	5.0	.56	.41	.29	.24
647-UPW1V221MPD6	220	0.085	730	8 x 15	3.5	.56	.41	.29	.24
647-UPW1V331MPD	330	0.068	1050	10 x 16	5.0	.69	.51	.37	.30
647-UPW1V331MPD6	330	0.065	995	8 x 20	3.5	.69	.51	.37	.30
647-UPW1V391MPD	390	0.052	1220	10 x 20	5.0	.87	.65	.47	.36
647-UPW1V471MPD	470	0.052	1220	10 x 20	5.0	.87	.65	.47	.36
647-UPW1V681MHD	680	0.038	1655	12.5 x 20	5.0	1.06	.76	.57	.46
647-UPW1V102MHD	1000	0.030	1945	12.5 x 25	5.0	1.19	.89	.66	.56
647-UPW1V122MHD	1200	0.025	2310	12.5 x 31.5	5.0	1.48	1.10	.82	.69
647-UPW1V152MHD	1500	0.022	2555	16 x 25	7.5	1.59	1.19	.89	.67
647-UPW1V152MHD6	1500	0.022	2510	12.5 x 35.5	5.0	1.59	1.19	.89	.67
647-UPW1V222MHD	2200	0.018	3010	16 x 31.5	7.5	1.75	1.32	1.00	.79
647-UPW1V222MHD6	2200	0.020	2740	18 x 25	7.5	1.75	1.32	1.00	.79
647-UPW1V332MHD	3300	0.015	3680	18 x 35.5	7.5	2.24	1.69	1.27	1.04
50 Volt									
647-UPW1H010MDD	1.0	3.50	40	5 x 11	2.0	.23	.15	.11	.09
647-UPW1H2R2MDD	2.2	3.00	55	5 x 11	2.0	.23	.15	.11	.09
647-UPW1H3R3MDD	3.3	2.60	65	5 x 11	2.0	.23	.15	.11	.09
647-UPW1H4R7MDD	4.7	2.30	90	5 x 11	2.0	.23	.15	.11	.09
647-UPW1H100MDD	10	1.40	120	5 x 11	2.0	.25	.17	.12	.09
647-UPW1H220MDD	22	1.20	170	5 x 11	2.0	.32	.22	.15	.12
647-UPW1H270MDD	27	0.90	215	5 x 15	2.0	.32	.22	.15	.12
647-UPW1H330MED	33	0.43	300	6.3 x 11	2.5	.32	.24	.17	.13
647-UPW1H470MED	47	0.43	300	6.3 x 11	2.5	.34	.26	.18	.14
647-UPW1H560MED	56	0.40	360	6.3 x 15	2.5	.36	.26	.19	.15
647-UPW1H101MPD	100	0.234	485	8 x 11.5	3.5	.50	.36	.26	.20
647-UPW1H181MPD	180	0.120	860	8 x 20	3.5	.60	.45	.33	.27
647-UPW1H221MPD	220	0.119	850	10 x 16	5.0	.60	.45	.33	.27
647-UPW1H331MPD	330	0.090	1030	10 x 20	5.0	.82	.61	.45	.36
647-UPW1H471MHD	470	0.060	1500	12.5 x 20	5.0	1.01	.75	.56	.43
647-UPW1H561MHD	560	0.050	1832	12.5 x 25	5.0	1.23	.92	.69	.54
647-UPW1H681MHD	680	0.050	1832	12.5 x 25	5.0	1.23	.92	.69	.54
647-UPW1H681MHD6	680	0.048	1835	16 x 20	7.5	1.23	.92	.69	.54
647-UPW1H821MHD	820	0.034	2285	12.5 x 35.5	5.0	1.48	1.10	.82	.69
647-UPW1H102MHD	1000	0.034	2235	16 x 25	7.5	1.48	1.10	.82	.69
647-UPW1H152MHD	1500	0.028	2700	16 x 31.5	7.5	1.92	1.45	1.09	.86
647-UPW1H222MHD	2200	0.023	3100	18 x 35.5	7.5	2.42	1.83	1.38	1.12
63 Volt									
647-UPW1J120MDD	12	2.00	145	5 x 11	2.0	.32	.22	.15	.12
647-UPW1J180MDD	18	1.30	200	5 x 15	2.0	.32	.24	.17	.13
647-UPW1J220MED	22	0.71	250	6.3 x 11	2.5	.32	.24	.17	.13
647-UPW1J330MED	33	0.71	250	6.3 x 11	2.5	.34	.26	.18	.14
647-UPW1J390MED	39	0.70	330	6.3 x 15	2.5	.35	.26	.19	.13
647-UPW1J470MPD	47	0.342	405	8 x 11.5	3.5	.39	.29	.20	.15
647-UPW1J680MPD	68	0.342	405	8 x 11.5	3.5	.50	.36	.26	.20
647-UPW1J101MPD	100	0.256	535	10 x 12.5	5.0	.55	.40	.29	.24
647-UPW1J101MPD6	100	0.230	535	8 x 15	3.5	.55	.40	.29	.24
647-UPW1J181MHD6	180	0.150	1020	12.5 x 15	5.0	.70	.63	.53	.41
647-UPW1J221MPD6	220	0.130	1050	10 x 25	5.0	1.05	.78	.57	.48
647-UPW1J271MHD	270	0.090	1410	16 x 15	7.5	.84	.76	.64	.49
647-UPW1J331MHD	330	0.085	1285	12.5 x 20	5.0	1.06	.78	.57	.45
647-UPW1J391MHD6	390	0.086	1690	18 x 15	7.5	1.23	.92	.68	.54
647-UPW1J471MHD6	470	0.055	2090	12.5 x 31.5	5.0	1.23	.92	.69	.54
647-UPW1J471MHD3	470	0.059	1765	16 x 20	7.5	1.23	.92	.69	.54
647-UPW1J681MHD	680	0.050	2160	16 x 25	7.5	1.48	1.10	.82	.69
647-UPW1J681MHD6	680	0.047	2265	12.5 x 35.5	5.0	1.48	1.10	.82	.69
647-UPW1J102MHD	1000	0.043	2670	16 x 31.5	7.5	1.92	1.45	1.09	.86
647-UPW1J152MHD	1500	0.030	3095	18 x 35.5	7.5	2.42	1.84	1.38	1.19
100 Volt									
647-UPW2A010MDD	1.0	2.00	30	5 x 11	2.0	.26	.17	.12	.09
647-UPW2A2R2MDD	2.2	9.80	44	5 x 11	2.0	.26	.17	.12	.10
647-UPW2A3R3MDD	3.3	6.60	58	5 x 11	2.0	.31	.21	.15	.12
647-UPW2A4R7MDD	4.7	4.60	74	5 x 11	2.0	.31	.21	.15	.12
647-UPW2A100MED	10	1.80	130	6.3 x 11	2.5	.34	.25	.18	.14
647-UPW2A220MPD	22	0.68	230	8 x 11.5	3.5	.50	.36	.26	.20
647-UPW2A330MPD	33	0.46	320	10 x 12.5	5.0	.55	.40	.29	.24
647-UPW2A330MPD6	33	0.45	360	8 x 15	3.5	.55	.40	.29	.24
647-UPW2A470MPD	47	0.37	420	10 x 16	5.0	.60	.45	.33	.27
647-UPW2A680MPD	68	0.30	490	10 x 20	5.0	.87	.65	.47	.36
647-UPW2A101MHD	100	0.18	580	12.5 x 20	5.0	1.06	.78	.57	.45
647-UPW2A151MHD	150	0.13	710	12.5 x 25	5.0	1.36	1.01	.76	.58
647-UPW2A221MHD	220	0.10	890	16 x 25	7.5	1.48	1.10	.82	.69
647-UPW2A331MHD	330	0.09	1080	16 x 25	7.5	1.97	1.45	1.10	.83
647-UPW2A471MHD	470	0.076	1310	16 x 31.5	7.5	1.92	1.45	1.09	.89
647-UPW2A681MHD	680	0.064	1410	16 x 35.5	7.5	2.42	1.83	1.38	1.12

nichicon UHE 105°C LOW IMPEDANCE, HIGH REL. SERIES (LEAD FREE)

Features:

- Lead free product
- High reliability
- Long life up to 10,000 hours

RoHS Compliant

Specifications:

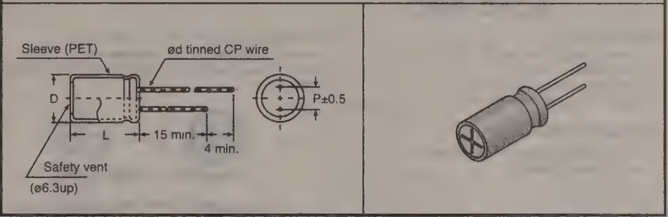
- Operating temperature range: -40°C to +105°C
- Voltage range: 6.3 - 100 Vdc
- Capacitance range: 6.8 to 180000µF
- Capacitance tolerance: ±20% at 120 Hz, 20°C
- Leakage current: After 2 minutes of rated voltage, leakage current is not more than 0.01CV or 3(µA), whichever is greater

LEAD-FREE

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

DIMENSIONS: mm



Endurance:

Case Size (Diameter)øD		≤5-6.3	=8, 10	≥12.5
Rated Voltage V	6.3~10WV 16~100WV	4000 Hrs. 5000 Hrs.	6000 Hrs. 7000 Hrs.	8000 Hrs. 10000 Hrs.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Impedance Ω Max. @ 20°C/ 100kHz	Ripple (mA rms) 105°C/ 100 kHz	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
6.3 Volt									
647-UHE0J331MED	330	0.22	340	6.3 x 11	2.5	.21	.16	.12	.10
647-UHE0J681MPD	680	0.13	640	8 x 11.5	3.5	.27	.25	.21	.16
647-UHE0J102MPD	1000	0.087	840	8 x 15	3.5	.20	.18	.16	.12
647-UHE0J122MPD	1200	0.069	1050	8 x 20	3.5	.34	.31	.26	.20
647-UHE0J182MHD	1800	0.049	1450	12.5 x 15	5.0	.40	.36	.30	.23
647-UHE0J222MPD	2200	0.042	1650	10 x 25	5.0	.48	.43	.37	.28
647-UHE0J332MHD	3300	0.035	1900	12.5 x 20	5.0	.64	.58	.49	.37
647-UHE0J103MHD6	10000	0.019	3140	18 x 25	7.5	1.44	1.31	1.11	.84
10 Volt									
647-UHE1A101MDD	100	0.580	210	5 x 11	2.0	.14	.11	.08	.07
647-UHE1A221MED	220	0.220	340	6.3 X 11	2.5	.22	.17	.13	.11
647-UHE1A471MPD	470	0.130	640	8 x 11.5	3.5	.27	.25	.21	.16
647-UHE1A681MPD	680	0.087	840	8 x 15	3.5	.28	.25	.21	.16
647-UHE1A681MPD6	680	0.080	865	10 x 12.5	5.0	.28	.25	.21	.16
647-UHE1A102MPD	1000	0.069	1050	8 x 20	5.0	.37	.34	.29	.22
647-UHE1A102MPD6	1000	0.060	1210	10 x 16	5.0	.37	.34	.29	.22
647-UHE1A122MPD	1200	0.046	1400	10 x 20	5.0	.43	.39	.33	.25
647-UHE1A222MPD	2200	0.031	1910	10 x 31.5	5.0	.62	.56	.48	.36
647-UHE1A332MHD	3300	0.027	2230	12.5 x 25	5.0	.75	.68	.58	.44
647-UHE1A472MHD	4700	0.020	2880	12.5 X 35.5	5.0	.98	.89	.75	.57
647-UHE1A682MHD	6800	0.017	3450	16 x 31.5	7.5	1.44	1.31	1.11	.84
647-UHE1A103MHD	10000	0.013	4080	16 x 40	7.5	1.77	1.60	1.36	1.03
16 Volt									
647-UHE1C121MED	120	0.22	340	6.3 X 11	2.5	.15	.14	.12	.09
647-UHE1C331MPD	330	0.13	640	8 x 11.5	3.5	.28	.25	.21	.16
647-UHE1C471MPD	470	0.087	840	8 x 15	3.5	.29	.26	.22	.17
647-UHE1C681MPD	680	0.069	1050	8 x 20	3.5	.43	.39	.33	.25
647-UHE1C102MPD	1000	0.046	1400	10 x 20	5.0	.48	.43	.37	.28
647-UHE1C122MPD	1200	0.042	1650	10 x 25	5.0	.44	.40	.34	.26
647-UHE1C152MPD	1500	0.031	1910	10 x 31.5	5.0	.65	.59	.50	.38
647-UHE1C222MHD	2200	0.027	2230	12.5 x 25	5.0	.78	.71	.60	.46
647-UHE1C332MHD	3300	0.02	2880	12.5 x 35.5	5.0	1.01	.92	.78	.59
647-UHE1C472MHD	4700	0.017	3450	16 x 31.5	7.5	1.37	1.24	1.05	.80
647-UHE1C682MHD	6800	0.013	4080	16 x 40	7.5	1.77	1.60	1.36	1.03
647-UHE1C103MHD	10000	0.012	4280	18 x 40	7.5	2.15	1.95	1.65	1.25
25 Volt									
647-UHE1E470MDD	47	0.580	210	5 x 11	2.0	.15	.14	.12	.09
647-UHE1E101MED	100	0.220	340	6.3 x 11	2.5	.20	.18	.15	.12
647-UHE1E221MPD	220	0.130	640	8 x 11.5	3.5	.28	.25	.21	.16
647-UHE1E331MPD	330	0.087	840	8 x 15	3.5	.27	.24	.20	.16
647-UHE1E471MPD	470	0.060	1210	8 x 20	3.5	.43	.39	.33	.25
647-UHE1E471MPD6	470	0.069	1050	10 x 16	5.0	.43	.39	.33	.25
647-UHE1E681MPD	680	0.046	1400	10 x 20	5.0	.50	.45	.38	.29
647-UHE1E102MPD	1000	0.031	1910	10 x 31.5	5.0	.64	.58	.49	.37
647-UHE1E102MHD3	1000	0.042	1940	16 x 15	7.5	.64	.58	.49	.37
647-UHE1E122MHD	1200	0.043	2210	18 x 15	7.5	.72	.66	.55	.42
647-UHE1E222MHD	2200	0.020	2880	12.5 x 35.5	5.0	1.01	.92	.78	.59
647-UHE1E332MHD	3300	0.017	3450	16 x 31.5	7.5	1.38	1.25	1.06	.80
647-UHE1E472MHD	4700	0.013	4080	16 x 40	7.5	1.69	1.53	1.29	.98
35 Volt									
647-UHE1V330MDD	33	0.580	210	5 x11	2.0	.15	.14	.12	.09
647-UHE1V151MPD	150	0.130	640	8 x 11.5	3.5	.26	.20	.15	.13
647-UHE1V221MPD	220	0.087	840	8 x 15	3.5	.31	.28	.23	.18
647-UHE1V331MPD	330	0.060	1210	10 x 16	5.0	.43	.39	.33	.25
647-UHE1V471MPD	470	0.046	1400	10 x 20	5.0	.50	.45	.38	.29
35 Volt (Cont.)									
647-UHE1V681MPD	680	0.031	1910	10 x31.5	5.0	.64	.58	.49	.37
647-UHE1V102MHD	1000	0.027	2230	12.5 x 25	5.0	.78	.71	.60	.46
647-UHE1V122MHD	1200	0.024	2650	12.5 x 31.5	5.0	.98	.89	.75	.57
647-UHE1V182MHD	1800	0.017	3350	12.5 x 40	5.0	1.01	.92	.78	.59
647-UHE1V222MHD	2200	0.017	3450	16 x 31.5	7.5	1.38	1.25	1.06	.80
647-UHE1V332MHD	3300	0.013	4080	16 x 40	7.5	1.69	1.53	1.29	.98
50 Volt									
647-UHE1H220MDD	22	0.700	180	5 x11	2.0	.15	.14	.12	.09
647-UHE1H560MED	56	0.300	295	6.3 x 11	2.5	.20	.18	.15	.12
647-UHE1H101MPD	100	0.170	555	8 x 11.5	3.5	.28	.25	.21	.16
647-UHE1H121MPD	120	0.120	730	8 x 15	3.5	.30	.27	.23	.18
647-UHE1H151MPD	150	0.120	760	10 x 12.5	5.0	.30	.27	.23	.18
647-UHE1H221MPD	220	0.084	1050	10 x 16	5.0	.37	.34	.28	.22
647-UHE1H331MPD	330	0.055	1440	10 x 25	5.0	.50	.46	.39	.29
647-UHE1H471MPD	470	0.043	1690	10 x 31.5	5.0	.65	.59	.50	.38
647-UHE1H471MHD3	470	0.055	1690	16 x 15	7.5	.65	.59	.50	.38
647-UHE1H681MHD	680	0.030	2310	12.5 X 31.5	5.0	.80	.73	.62	.47
647-UHE1H102MHD	1000	0.021	2920	12.5 x 40	5.0	.98	.89	.75	.57
647-UHE1H102MHD3	1000	0.036	2490	18 x 20	7.5	.98	.89	.75	.57
647-UHE1H122MHD	1200	0.022	3010	16 x 31.5	7.5	1.37	1.24	1.05	.80
647-UHE1H222MHD6	2200	0.017	3680	18 x 35.5	7.5	1.81	1.65	1.39	1.06
63 Volt									
647-UHE1J150MDD	15	2.300	55	5 x11	2.0	.15	.14	.12	.09
647-UHE1J330MED	33	1.200	115	6.3 X 11	2.5	.19	.18	.15	.11
647-UHE1J820MPD	82	0.450	300	8 x 15	3.5	.30	.27	.23	.18
647-UHE1J121MPD	120	0.330	362	8 x 20	3.5	.37	.34	.28	.22
647-UHE1J181MPD	180	0.210	466	10 x 20	5.0	.50	.45	.38	.29
647-UHE1J221MPD	220	0.200	531	10 x 25	5.0	.50	.46	.39	.29
647-UHE1J271MPD	270	0.150	663	10 x 31.5	5.0	.66	.60	.50	.38
647-UHE1J331MHD	330	0.120	784	12.5 x 25	5.0	.76	.69	.58	.44
647-UHE1J391MHD	390	0.120	920	18 x 15	7.5	.78	.71	.60	.46
647-UHE1J471MHD	470	0.100	905	12.5 x 31.5	5.0	.80	.73	.62	.47
647-UHE1J681MHD	680	0.071	1180	12.5 x 40	5.0	.98	.89	.75	.57
647-UHE1J821MHD	820	0.054	1570	16 x 31.5	7.5	1.37	1.24	1.05	.80
647-UHE1J102MHD	1000	0.045	1790	16 x 35.5	7.5	1.37	1.24	1.05	.80
647-UHE1J102MHD6	1000	0.047	1630	18 x 31.5	7.5	1.37	1.24	1.05	.80
647-UHE1J122MHD	1200	0.040	2020	16 x 40	7.5	1.54	1.40	1.18	.90
100 Volt									
647-UHE2A6R8MDD	6.8	2.300	55	5 x11	2.0	.15	.14	.12	.09
647-UHE2A150MED	15	1.200	115	6.3 x 11	2.5	.19	.18	.15	.11
647-UHE2A390MPD	39	0.450	300	8 x 15	3.5	.24	.21	.18	.14
647-UHE2A470MPD	47	0.430	288	10 x 12.5	5.0	.24	.21	.18	.14
647-UHE2A680MPD	68	0.310	357	10 x 16	5.0	.30	.27	.23	.18
647-UHE2A820MPD	82	0.210	466	10 x 20	5.0	.30	.27	.23	.18
647-UHE2A101MPD	100	0.200	531	10 x 25	5.0	.32	.29	.25	.19
647-UHE2A121MPD	120	0.150	663	10 x31.5	5.0	.40	.36	.31	.23
647-UHE2A181MHD	180	0.120	784	12.5 x 25	5.0	.50	.46	.39	.29
647-UHE2A221MHD	220	0.100	905	12.5 x 31.5	5.0	.63	.57	.49	.37
647-UHE2A331MHD	330	0.071	1180	12.5 x 40	5.0	1.35	1.22	1.03	.78
647-UHE2A391MHD	390	0.054	1570	16 x 31.5	7.5	1.37	1.24	1.05	.80
647-UHE2A471MHD	470	0.045	1790	16 x 35.5	7.5	1.37	1.24	1.05	.80
647-UHE2A561MHD	560	0.040	2020	16 x 40	7.5	1.54	1.40	1.18	.90
647-UHE2A681MHD	680	0.040	1790	18 x 35.5	7.5	1.54	1.40	1.18	.90
647-UHE2A821MHD	820	0.036	2330	18 x 40	7.5	1.86	1.69	1.43	1.08

For quantities of 1000 and up, call for quote.

nichicon USR 7MM 85°C SERIES, GENERAL PURPOSE (LEAD FREE)

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: 4 ~ 50V
- Capacitance range: 0.1 ~ 470µF
- Endurance: 2000 hours @ 85°C
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: after 2 minutes application of rated voltage, leakage current is no more than 0.01CV or 3µA, whichever is greater

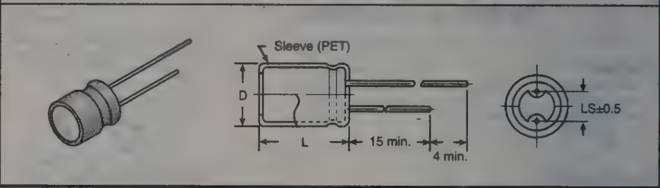
Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

LEAD-FREE

RoHS Compliant

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-USR0J220MDD	USR0J220MDD	6.3	22	4 X 7	1.5	.24	.15	.10	.07
647-USR0J330MDD	USR0J330MDD	6.3	33	4 X 7	1.5	.22	.14	.09	.06
647-USR0J470MDD	USR0J470MDD	6.3	47	4 X 7	1.5	.23	.15	.10	.07
647-USR0J101MDD	USR0J101MDD	6.3	100	5 X 7	2.0	.27	.17	.11	.08
647-USR0J221MDD	USR0J221MDD	6.3	220	6.3 X 7	2.5	.27	.18	.13	.09
647-USR0J331MDD	USR0J331MDD	6.3	330	8 X 7	3.5	.32	.23	.17	.12
647-USR1A220MDD	USR1A220MDD	10	22	4 X 7	1.5	.22	.14	.09	.06
647-USR1A330MDD	USR1A330MDD	10	33	4 X 7	1.5	.23	.15	.10	.07
647-USR1A470MDD	USR1A470MDD	10	47	5 X 7	2.0	.24	.15	.10	.07
647-USR1A101MDD	USR1A101MDD	10	100	6.3 X 7	2.5	.24	.16	.11	.08
647-USR1A221MDD	USR1A221MDD	10	220	8 X 7	3.5	.31	.23	.17	.12
647-USR1C100MDD	USR1C100MDD	16	10	4 X 7	1.5	.20	.13	.09	.06
647-USR1C220MDD	USR1C220MDD	16	22	4 X 7	1.5	.22	.14	.09	.06
647-USR1C330MDD	USR1C330MDD	16	33	5 X 7	2.0	.27	.17	.11	.08
647-USR1C470MDD	USR1C470MDD	16	47	5 X 7	2.0	.27	.17	.11	.08
647-USR1C101MDD	USR1C101MDD	16	100	6.3 X 7	2.5	.27	.18	.13	.09
647-USR1E100MDD	USR1E100MDD	25	10	4 X 7	1.5	.22	.14	.09	.06
647-USR1E220MDD	USR1E220MDD	25	22	5 X 7	2.0	.25	.15	.10	.07

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-USR1E330MDD	USR1E330MDD	25	33	5 X 7	2.0	.24	.16	.11	.08
647-USR1E470MDD	USR1E470MDD	25	47	6.3 X 7	2.5	.27	.18	.13	.09
647-USR1V4R7MDD	USR1V4R7MDD	35	4.7	4 X 7	1.5	.20	.13	.09	.06
647-USR1V100MDD	USR1V100MDD	35	10	4 X 7	1.5	.24	.15	.10	.07
647-USR1V220MDD	USR1V220MDD	35	22	5 X 7	2.0	.24	.16	.11	.08
647-USR1V330MDD	USR1V330MDD	35	33	6.3 X 7	2.5	.27	.18	.13	.09
647-USR1V470MDD	USR1V470MDD	35	47	8 X 7	3.5	.32	.23	.17	.12
647-USR1H0R1MDD	USR1H0R1MDD	50	.1	4 X 7	1.5	.21	.13	.09	.06
647-USR1HR22MDD	USR1HR22MDD	50	.22	4 X 7	1.5	.21	.13	.09	.06
647-USR1HR33MDD	USR1HR33MDD	50	.33	4 X 7	1.5	.21	.13	.09	.06
647-USR1HR47MDD	USR1HR47MDD	50	.47	4 X 7	1.5	.21	.13	.09	.06
647-USR1H010MDD	USR1H010MDD	50	1	4 X 7	1.5	.21	.13	.09	.06
647-USR1H2R2MDD	USR1H2R2MDD	50	2.2	4 X 7	1.5	.21	.13	.09	.06
647-USR1H3R3MDD	USR1H3R3MDD	50	3.3	4 X 7	1.5	.21	.13	.09	.06
647-USR1H4R7MDD	USR1H4R7MDD	50	4.7	4 X 7	1.5	.21	.14	.09	.06
647-USR1H100MDD	USR1H100MDD	50	10	5 X 7	2.0	.27	.17	.11	.08
647-USR1H220MDD	USR1H220MDD	50	22	6.3 X 7	2.5	.27	.18	.13	.09
647-USR1H330MDD	USR1H330MDD	50	33	8 X 7	3.5	.32	.23	.17	.12

nichicon UVP 85°C BI-POLAR SERIES (LEAD FREE)

Specifications:

- Operating temperature range: -40°C ~ +85°C
- Voltage range: 6.3 ~ 100V
- Capacitance range: 0.47 ~ 6800µF
- Capacitance tolerance: ±20% at 120Hz, 20°C
- Leakage current: After 5 minutes application of rated voltage, leakage current is not more than 0.03CV or 3µA, whichever is greater.
- Endurance: 2000 hours @ 85°C with polarity reversed every 250 hours

Features:

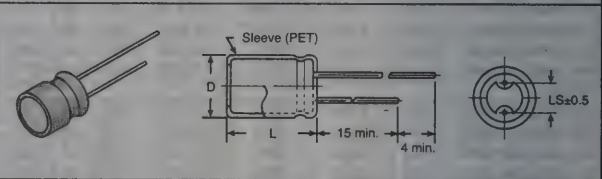
- Standard bi-polarized series for entertainment electronics
- Ideal for circuits where reverse voltage is applied when switches are turned off or on or where the polarity is not constant

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

LEAD-FREE

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-UVP0J330MDD	UVP0J330MDD	6.3	33	5 x 11	2.0	.19	.17	.15	.11
647-UVP0J101MED	UVP0J101MED	6.3	100	6.3 x 11	2.5	.23	.21	.18	.14
647-UVP0J221MPD	UVP0J221MPD	6.3	220	8 x 11.5	3.5	.27	.25	.21	.16
647-UVP0J331MPD	UVP0J331MPD	6.3	330	8 x 11.5	3.5	.33	.30	.25	.19
647-UVP0J471MPD	UVP0J471MPD	6.3	470	10 x 12.5	5.0	.46	.42	.35	.27
647-UVP0J102MPD	UVP0J102MPD	6.3	1000	10 x 20	5.0	.54	.49	.41	.31
647-UVP0J222MHD	UVP0J222MHD	6.3	2200	12.5 x 25	5.0	.83	.76	.64	.49
647-UVP0J332MHD	UVP0J332MHD	6.3	3300	16 x 25	7.5	1.09	.99	.83	.63
647-UVP0J472MHD	UVP0J472MHD	6.3	4700	16 x 31.5	7.5	1.38	1.25	1.06	.80
647-UVP0J682MHD	UVP0J682MHD	6.3	6800	18 x 35.5	7.5	1.94	1.76	1.49	1.13
647-UVP1A220MDD	UVP1A220MDD	10	22	5 x 11	2.0	.19	.17	.15	.11
647-UVP1A470MDD	UVP1A470MDD	10	47	5 x 11	2.0	.23	.21	.18	.14
647-UVP1A101MED	UVP1A101MED	10	100	6.3 x 11	2.5	.26	.23	.20	.15
647-UVP1A221MPD	UVP1A221MPD	10	220	8 x 11.5	3.5	.33	.30	.25	.19
647-UVP1A331MPD	UVP1A331MPD	10	330	10 x 16	5.0	.46	.42	.35	.27
647-UVP1A471MPD	UVP1A471MPD	10	470	10 x 16	5.0	.46	.42	.35	.27
647-UVP1A102MHD	UVP1A102MHD	10	1000	12.5 x 20	5.0	.65	.59	.50	.38
647-UVP1A222MHD	UVP1A222MHD	10	2200	16 x 25	7.5	1.07	.97	.82	.62
647-UVP1A332MHD	UVP1A332MHD	10	3300	16 x 31.5	7.5	1.38	1.26	1.06	.81
647-UVP1A472MHD	UVP1A472MHD	10	4700	18 x 35.5	7.5	1.96	1.77	1.50	1.14
647-UVP1C100MDD	UVP1C100MDD	16	10	5 x 11	2.0	.19	.17	.15	.11
647-UVP1C220MDD	UVP1C220MDD	16	22	5 x 11	2.0	.23	.21	.18	.14
647-UVP1C330MDD	UVP1C330MDD	16	33	5 x 11	2.0	.23	.21	.18	.14
647-UVP1C470MED	UVP1C470MED	16	47	6.3 x 11	2.5	.23	.21	.18	.14
647-UVP1C101MPD	UVP1C101MPD	16	100	8 x 11.5	3.5	.27	.25	.21	.16
647-UVP1C221MPD	UVP1C221MPD	16	220	10 x 12.5	5.0	.46	.42	.35	.27
647-UVP1C331MPD	UVP1C331MPD	16	330	10 x 16	5.0	.46	.42	.35	.27
647-UVP1C471MPD	UVP1C471MPD	16	470	10 x 20	5.0	.54	.49	.41	.31
647-UVP1C102MHD	UVP1C102MHD	16	1000	12.5 x 25	5.0	.84	.76	.65	.49
647-UVP1C222MHD	UVP1C222MHD	16	2200	16 x 31.5	7.5	1.45	1.32	1.12	.85
647-UVP1C332MHD	UVP1C332MHD	16	3300	18 x 35.5	7.5	2.09	1.90	1.61	1.22
647-UVP1E100MDD	UVP1E100MDD	25	10	5 x 11	2.0	.19	.17	.15	.11
647-UVP1E220MED	UVP1E220MED	25	22	6.3 x 11	2.5	.23	.21	.18	.14
647-UVP1E330MED	UVP1E330MED	25	33	6.3 x 11	2.5	.26	.23	.20	.15
647-UVP1E470MED	UVP1E470MED	25	47	6.3 x 11	2.5	.27	.25	.21	.16
647-UVP1E101MPD	UVP1E101MPD	25	100	8 x 11.5	3.5	.33	.30	.25	.19
647-UVP1E221MPD	UVP1E221MPD	25	220	10 x 16	5.0	.54	.49	.41	.31
647-UVP1E331MHD	UVP1E331MHD	25	330	12.5 x 20	5.0	.65	.59	.50	.38
647-UVP1E471MHD	UVP1E471MHD	25	470	12.5 x 20	5.0	.78	.71	.60	.45
647-UVP1E102MHD	UVP1E102MHD	25	1000	16 x 25	7.5	1.07	.97	.82	.62
647-UVP1E222MHD	UVP1E222MHD	25	2200	18 x 35.5	7.5	2.17	1.97	1.67	1.26
647-UVP1V4R7MDD	UVP1V4R7MDD	35	4.7	5 x 11	2.0	.19	.17	.15	.11

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Nichicon Part No.	Volt (DC)	Value (µF)	Case Size D x L (mm) Max.	LS (mm)	Price Each			
						1	10	100	500
647-UVP1V100MDD	UVP1V100MDD	35	10	5 x 11	2.0	.23	.21	.18	.14
647-UVP1V220MED	UVP1V220MED	35	22	6.3 x 11	2.5	.26	.23	.20	.15
647-UVP1V330MPD	UVP1V330MPD	35	33	8 x 11.5	3.5	.26	.23	.20	.15
647-UVP1V470MPD	UVP1V470MPD	35	47	8 x 11.5	3.5	.33	.30	.25	.19
647-UVP1V101MPD	UVP1V101MPD	35	100	10 x 16	5.0	.46	.42	.35	.27
647-UVP1V221MHD	UVP1V221MHD	35	220	12.5 x 20	5.0	.65	.59	.50	.38
647-UVP1V331MHD	UVP1V331MHD	35	330	12.5 x 20	5.0	.78	.71	.60	.45
647-UVP1V471MHD	UVP1V471MHD	35	470	12.5 x 25	5.0	.84	.76	.65	.49
647-UVP1V102MHD	UVP1V102MHD	35	1000	16 x 31.5	7.5	1.45	1.31	1.11	.84
647-UVP1HR47MDD	UVP1HR47MDD	50	0.47	5 x 11	2.0	.19	.17	.15	.11
647-UVP1H010MDD	UVP1H010MDD	50	1	5 x 11	2.0	.19	.17	.15	.11
647-UVP1H2R2MDD	UVP1H2R2MDD	50	2.2	5 x 11	2.0	.19	.17	.15	.11
647-UVP1H3R3MDD	UVP1H3R3MDD	50	3.3	5 x 11	2.0	.19	.17	.15	.11
647-UVP1H4R7MDD	UVP1H4R7MDD	50	4.7	5 x 11	2.0	.23	.21	.18	.14
647-UVP1H100MED	UVP1H100MED	50	10	6.3 x 11	2.5	.23	.21	.18	.14
647-UVP1H220MPD	UVP1H220MPD	50	22	8 x 11.5	3.5	.26	.23	.20	.15
647-UVP1H330MPD	UVP1H330MPD	50	33	8 x 11.5	3.5	.33	.30	.25	.19
647-UVP1H470MPD	UVP1H470MPD	50	47	10 x12.5	5.0	.46	.42	.35	.27
647-UVP1H101MPD	UVP1H101MPD	50	100	10 x 20	5.0	.65	.59	.50	.38
647-UVP1H221MHD	UVP1H221MHD	50	220	12.5 x 25	5.0	.84	.76	.65	.49
647-UVP1H331MHD	UVP1H331MHD	50	330	16 x 25	7.5	1.07	.97	.82	.62
647-UVP1H471MHD	UVP1H471MHD	50	470	16 x 31.5	7.5	1.27	1.15	.98	.74
647-UVP1J3R3MDD	UVP1J3R3MDD	63	3.3	5 x 11	2.0	.23	.21	.18	.14
647-UVP1J4R7MED	UVP1J4R7MED	63	4.7	6.3 x 11	2.5	.23	.21	.18	.14
647-UVP1J100MED	UVP1J100MED	63	10	6.3 x 11	2.5	.26	.24	.20	.15
647-UVP1J220MPD	UVP1J220MPD	63	22	8 x 11.5	3.5	.33	.30	.25	.19
647-UVP1J330MPD	UVP1J330MPD	63	33	10 x12.5	5.0	.46	.42	.35	.27
647-UVP1J470MPD	UVP1J470MPD	63	47	10 x 16	5.0	.54	.49	.41	.31
647-UVP1J101MHD	UVP1J101MHD	63	100	12.5 x 20	5.0	.78	.71	.60	.45
647-UVP1J221MHD	UVP1J221MHD	63	220	16 x 25	7.5	1.09	.99	.83	.63
647-UVP1J331MHD	UVP1J331MHD	63	330	16 x 31.5	7.5	1.26	1.14	.96	.73
647-UVP1J471MHD	UVP1J471MHD	63	470	18 x 35.5	7.5	2.01	1.82	1.54	1.17
647-UVP2AR47MDD	UVP2AR47MDD	100	0.47	5 x 11	2.0	.19	.17	.15	.11
647-UVP2A010MDD	UVP2A010MDD	100	1	5 x 11	2.0	.27	.20	.13	.11
647-UVP2A2R2MED	UVP2A2R2MED	100	2.2	6.3 x 11	2.5	.23	.21	.18	.14
647-UVP2A3R3MED	UVP2A3R3MED	100	3.3	6.3 x 11	2.5	.26	.24	.20	.15
647-UVP2A4R7MED	UVP2A4R7MED	100	4.7	6.3 x 11	2.5	.30	.27	.23	.18
647-UVP2A100MPD	UVP2A100MPD	100	10	8 x 11.5	3.5	.34	.30	.26	.20
647-UVP2A220MPD	UVP2A220MPD	100	22	10 x 16	5.0	.54	.49	.41	.31
647-UVP2A330MHD	UVP2A330MHD	100	33	12.5 x 20	5.0	.65	.59	.50	.38
647-UVP2A470MHD	UVP2A470MHD	100	47	12.5 x 20	5.0	.78	.71	.60	.45
647-UVP2A101MHD	UVP2A101MHD	100	100	16 x 25	7.5	1.09	.99	.83	.63
647-UVP2A221MHD	UVP2A221MHD	100	220	18 x 35.5	7.5	2.01	1.82	1.54	1.17

nichicon TVX 85°C AXIAL SERIES

Specifications:

- Operating temperature range: -40°C to + 85° C (6.3 to 250V), -25°C to +85°C (315 to 450 V)
- Voltage range : 6.3-450V
- Capacitance range: 0.47 to 10000µF
- Capacitance tolerance: ± 20% at 120Hz/ 20°C

RoHS Compliant

Endurance:

After 2000 hours application of rated voltage at 85°C, capacitors meet the characteristics listed at right.

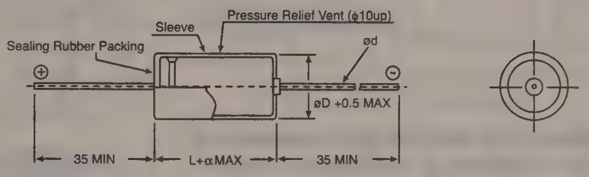
Capacitance change	Within ± 20% of initial value
tan δ	200% or less of initial specified value
Leakage Current	Initial specified value or less

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

Rated Voltage (V)	6.3 - 100	160 - 450
Leakage Current	After a 1 minute application of rated voltage, not more than 0.03CV or 4 (µA), whichever is greater. After a 2 minute application of rated voltage, not more than 0.01CV or 3 (µA), whichever is greater.	In case of CV ≤ 1000 After a 1 minute application of rated voltage, not more than 0.1CV+40 (µA) In case of CV >1000 After a 1 minute application of rated voltage, not more than 0.04CV+100 (µA)

DIMENSIONS: mm



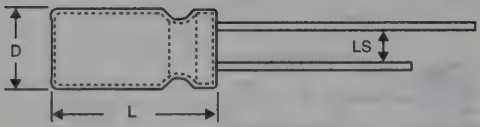
For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.		Value (µF)	Case Size D x L (mm)	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
6.3 Volt							
647	TVX0J101MAD	100	5 x 12	.27	.25	.22	.17
647	TVX0J221MAD	220	6.3 x 16	.28	.25	.23	.18
647	TVX0J331MAD	330	6.3 x 16	.32	.29	.26	.21
647	TVX0J102MCD	1000	10 x 21	.52	.47	.43	.33
647	TVX0J332MCD	3300	13 x 26	.98	.89	.80	.63
10 Volt							
647	TVX1A101MAD	100	6.3 x 12	.35	.32	.27	.21
647	TVX1A221MAD	220	6.3 x 16	.32	.29	.26	.21
647	TVX1A331MAD	330	8 x 16	.42	.38	.32	.25
647	TVX1A471MAD	470	8 x 16	.37	.33	.30	.23
647	TVX1A102MCD	1000	10 x 21	.52	.47	.43	.33
647	TVX1A222MCD	2200	13 x 26	.95	.86	.77	.60
16 Volt							
647	TVX1C220MAD	22	5 x 12	.22	.20	.18	.14
647	TVX1C330MAD	33	5 x 12	.23	.21	.19	.14
647	TVX1C470MAD	47	5 x 12	.27	.25	.22	.17
647	TVX1C101MAD	100	6.3 x 16	.28	.25	.23	.18
647	TVX1C221MAD	220	8 x 16	.32	.29	.26	.21
647	TVX1C331MAD	330	8 x 16	.42	.38	.35	.27
647	TVX1C471MAD	470	8 x 20	.42	.38	.35	.27
647	TVX1C102MCD	1000	10 x 26	.73	.66	.60	.46
647	TVX1C222MCD	2200	13 x 31.5	1.09	.99	.89	.70
647	TVX1C332MCD	3300	16 x 31.5	1.71	1.56	1.40	1.09
647	TVX1C472MCD	4700	16 x 41.5	2.33	2.12	1.91	1.48
647	TVX1C103MDD	10000	22 x 40	3.59	3.27	2.94	2.29
25 Volt							
647	TVX1E100MAD	10	5 x 12	.22	.20	.18	.14
647	TVX1E220MAD	22	5 x 12	.23	.21	.19	.14
647	TVX1E330MAD	33	5 x 12	.35	.32	.27	.21
647	TVX1E470MAD	47	6.3 x 12	.27	.25	.22	.17
647	TVX1E101MAD	100	6.3 x 16	.32	.29	.26	.21
647	TVX1E221MAD	220	8 x 16	.37	.33	.30	.23
647	TVX1E331MAD	330	8 x 20	.56	.51	.43	.33
647	TVX1E471MCD	470	10 x 26	.61	.56	.50	.39
647	TVX1E102MCD	1000	13 x 26	.95	.86	.77	.60
647	TVX1E222MCD	2200	16 x 31.5	1.86	1.69	1.52	1.18
647	TVX1E332MCD	3300	16 x 41.5	2.36	2.14	1.93	1.50
647	TVX1E472MCD	4700	18 x 41	2.73	2.48	2.23	1.73
35 Volt							
647	TVX1V100MAD	10	5 x 12	.22	.20	.18	.14
647	TVX1V220MAD	22	5 x 12	.27	.25	.22	.17
647	TVX1V330MAD	33	6.3 x 12	.35	.32	.27	.21
647	TVX1V470MAD	47	6.3 x 16	.28	.25	.23	.18
647	TVX1V101MAD	100	8 x 16	.32	.29	.26	.21
647	TVX1V221MAD	220	8 x 20	.43	.39	.35	.27
647	TVX1V331MCD	330	10 x 21	.52	.47	.43	.33
647	TVX1V471MCD	470	10 x 26	.73	.66	.60	.46
647	TVX1V102MCD	1000	13 x 31.5	1.09	.99	.89	.70
647	TVX1V222MCD	2200	16 x 31.5	2.19	1.99	1.79	1.39
647	TVX1V332MCD	3300	16 x 41.5	2.70	2.45	2.21	1.72
50 Volt							
647	TVX1H010MAD	1.0	5 x 12	.22	.20	.18	.14
647	TVX1H2R2MAD	2.2	5 x 12	.22	.20	.18	.14
647	TVX1H3R3MAD	3.3	5 x 12	.28	.26	.22	.17
647	TVX1H4R7MAD	4.7	5 x 12	.22	.20	.18	.14
50 Volt (cont.)							
647	TVX1H100MAD	10	5 x 12	.27	.25	.22	.17
647	TVX1H220MAD	22	6.3 x 12	.27	.25	.22	.17
647	TVX1H330MAD	33	6.3 x 16	.28	.25	.23	.18
647	TVX1H470MAD	47	6.3 x 16	.32	.29	.26	.21
647	TVX1H101MAD	100	8 x 16	.42	.38	.35	.27
647	TVX1H221MCD	220	10 x 21	.52	.47	.43	.33
647	TVX1H331MCD	330	10 x 26	.73	.66	.60	.46
647	TVX1H471MCD	470	13 x 26	.95	.86	.77	.60
647	TVX1H102MCD	1000	16 x 31.5	1.75	1.59	1.43	1.11
647	TVX1H222MCD	2200	18 x 41	3.21	2.92	2.62	2.04
647	TVX1H332MDD	3300	22 X 40	3.96	3.60	3.24	2.52
647	TVX1H472MDD	4700	22 x 52	5.07	4.61	4.15	3.23
63 Volt							
647	TVX1J100MAD	10	5 x 12	.27	.25	.22	.17
647	TVX1J220MAD	22	6.3 x 12	.36	.33	.28	.21
647	TVX1J330MAD	33	6.3 x 16	.37	.34	.29	.22
647	TVX1J470MAD	47	8 x 16	.29	.26	.23	.18
647	TVX1J101MAD	100	8 x 20	.39	.35	.32	.25
647	TVX1J221MCD	220	10 x 26	.65	.59	.53	.41
647	TVX1J331MCD	330	13 x 26	.84	.77	.69	.54
647	TVX1J471MCD	470	13 x 31.5	1.11	1.01	.90	.70
647	TVX1J102MCD	1000	16 x 31.5	1.95	1.77	1.60	1.24
100 Volt							
647	TVX2A010MAD	1.0	5 x 12	.22	.20	.18	.14
647	TVX2A2R2MAD	2.2	5 x 12	.23	.21	.19	.14
647	TVX2A4R7MAD	4.7	5 x 12	.35	.32	.27	.21
647	TVX2A100MAD	10	6.3 x 12	.35	.32	.27	.21
647	TVX2A220MAD	22	8 x 16	.32	.29	.26	.21
647	TVX2A330MAD	33	8 x 16	.55	.50	.42	.32
647	TVX2A470MAD	47	8 x 20	.43	.39	.35	.27
647	TVX2A101MCD	100	10 26	.73	.66	.60	.46
647	TVX2A221MCD	220	13 x 26	1.09	.99	.89	.70
647	TVX2A331MCD	330	13 x 31.5	1.93	1.76	1.58	1.23
647	TVX2A471MCD	470	16 x 31.5	2.19	1.99	1.79	1.39
160 Volt							
647	TVX2C010MAD	1.0	6.3 x 12	.38	.34	.29	.22
647	TVX2C2R2MAD	2.2	6.3 x 16	.33	.30	.27	.21
647	TVX2C220MCD	22	10 x 26	.73	.66	.60	.46
647	TVX2C470MCD	47	13 x 31.5	1.02	.93	.84	.65
647	TVX2C101MCD	100	16 x 41.5	1.65	1.50	1.35	1.05
200 Volt							
647	TVX2D2R2MAD	2.2	6.3 x 16	.43	.39	.33	.25
647	TVX2D100MCD	10	10 x 21	.62	.56	.51	.39
250 Volt							
647	TVX2E3R3MAD	3.3	8 x 16	.40	.37	.33	.26
647	TVX2E4R7MAD	4.7	8 x 20	.44	.40	.36	.28
647	TVX2E100MCD	10	10 x 21	.62	.56	.51	.39
647	TVX2E330MCD	33	13 x 31.5	1.13	1.03	.92	.72
647	TVX2E470MCD	47	16 x 31.5	1.65	1.50	1.35	1.05
647	TVX2E101MCD	100	16 x 41.5	2.30	2.09	1.88	1.46
350 Volt							
647	TVX2V100MCD	10	13 x 26	.87	.80	.72	.56
647	TVX2V470MCD	47	16 x 41.5	2.07	1.88	1.69	1.31
450 Volt							
647	TVX2W100MCD	10	13 x 26	1.16	1.06	.95	.74
647	TVX2W330MCD	33	18 x 41	3.05	2.77	2.49	1.94

For quantities of 2500 and up, call for quote.

VISHAY / SPRAGUE Aluminum Electrolytic Capacitors

This page of product is compliant.



515D and 517D Dimensions Table					
DIMENSIONS: in. (mm)					
CASE CODE is listed in BOLD in Vishay Part No. Column					
Case Code	Nominal Case Size D x L	Lead Spacing LS	Case Code	Nominal Case Size D x L	Lead Spacing (LS)
JA	.197 x .433 (5.0 x 11.0)	.079 (2.0)	**DG**	.492 x .787 (12.5 x 20.0)	.197 (5.0)
AA	.248 x .433 (6.3 x 11.0)	.098 (2.5)	**DK**	.492 x .984 (12.5 x 25.0)	.197 (5.0)
BB	.315 x .453 (8.0 x 11.5)	.138 (3.5)	**EK**	.630 x .984 (16.0 x 25.0)	.295 (7.5)
CC	.394 x .492 (10.0 x 12.5)	.197 (5.0)	**EN**	.630 x 1.240 (16.0 x 31.5)	.295 (7.5)
CD	.394 x .630 (10.0 x 16.0)	.197 (5.0)	**FR**	.709 x 1.398 (18.0 x 35.5)	.295 (7.5)
CG	.394 x .787 (10.0 x 20.0)	.197 (5.0)			

VISHAY / SPRAGUE 515D MINIATURE - 85°C GENERAL PURPOSE TYPE

RoHS Compliant

Specifications:
- Operating temperature: -40°C to +85°
- Tolerance: ±20%
- Life validation test: 2000 hours @ +85°C

Features:
- 85°C Max. temperature
- High CV per case size
- Solvent resistant construction (through 100 WVDC)
- Low Profile Ratings

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Price Each			
			1	25	100	250
10 Volt						
75-515D476M010JA6AE3	515D476M010**JA**6AE3	47	.11	.10	.09	.08
75-515D107M010JA6AE3	515D107M010**JA**6AE3	100	.13	.12	.10	.09
75-515D477M010BB6AE3	515D477M010**BB**6AE3	470	.28	.25	.22	.20
75-515D108M010CD6AE3	515D108M010**CD**6AE3	1000	.45	.40	.36	.32
16 Volt						
75-515D336M016JA6AE3	515D336M016**JA**6AE3	33	.11	.10	.09	.08
75-515D476M016JA6AE3	515D476M016**JA**6AE3	47	.13	.12	.10	.09
75-515D107M016AA6AE3	515D107M016**AA**6AE3	100	.18	.12	.08	.07
75-515D227M016BB6AE3	515D227M016**BB**6AE3	220	.21	.19	.17	.15
75-515D337M016BB6AE3	515D337M016**BB**6AE3	330	.28	.25	.22	.20
75-515D477M016CC6AE3	515D477M016**CC**6AE3	470	.36	.32	.29	.25
75-515D108M016CG6AE3	515D108M016**CG**6AE3	1000	.62	.55	.50	.44
75-515D228M016DK6AE3	515D228M016**DK**6AE3	2200	1.35	1.20	1.08	.96
25 Volt						
75-515D106M025JA6AE3	515D106M025**JA**6AE3	10	.11	.10	.09	.08
75-515D226M025JA6AE3	515D226M025**JA**6AE3	22	.13	.12	.10	.09
75-515D336M025JA6AE3	515D336M025**JA**6AE3	33	.13	.12	.10	.09
75-515D476M025JA6AE3	515D476M025**JA**6AE3	47	.15	.13	.12	.11
75-515D107M025AA6AE3	515D107M025**AA**6AE3	100	.20	.18	.16	.14
75-515D227M025BB6AE3	515D227M025**BB**6AE3	220	.28	.25	.22	.20
75-515D337M025CC6AE3	515D337M025**CC**6AE3	330	.36	.32	.29	.25
75-515D477M025CD6AE3	515D477M025**CD**6AE3	470	.49	.43	.39	.35
75-515D108M025DG6AE3	515D108M025**DG**6AE3	1000	.88	.78	.70	.63
75-515D228M025EK6AE3	515D228M025**EK**6AE3	2200	1.88	1.67	1.51	1.34
35 Volt						
75-515D106M035JA6AE3	515D106M035**JA**6AE3	10	.11	.10	.09	.08
75-515D226M035JA6AE3	515D226M035**JA**6AE3	22	.13	.12	.10	.09
75-515D336M035JA6AE3	515D336M035**JA**6AE3	33	.13	.12	.10	.09
75-515D476M035AA6AE3	515D476M035**AA**6AE3	47	.19	.17	.16	.14
75-515D107M035BB6AE3	515D107M035**BB**6AE3	100	.26	.23	.21	.19
75-515D227M035CC6AE3	515D227M035**CC**6AE3	220	.36	.32	.29	.25
75-515D337M035CD6AE3	515D337M035**CD**6AE3	330	.49	.43	.39	.35
75-515D477M035CG6AE3	515D477M035**CG**6AE3	470	.62	.55	.50	.44
75-515D108M035DK6AE3	515D108M035**DK**6AE3	1000	1.35	1.20	1.08	.96
75-515D228M035EN6AE3	515D228M035**EN**6AE3	2200	2.26	2.02	1.81	1.61
50 Volt						
75-515D474M050JA6AE3	515D474M050**JA**6AE3	0.47	.11	.10	.09	.08
75-515D105M050JA6AE3	515D105M050**JA**6AE3	1	.11	.10	.09	.08
75-515D225M050JA6AE3	515D225M050**JA**6AE3	2.2	.11	.10	.09	.08
75-515D335M050JA6AE3	515D335M050**JA**6AE3	3.3	.11	.10	.09	.08
75-515D475M050JA6AE3	515D475M050**JA**6AE3	4.7	.12	.08	.06	.05
75-515D106M050JA6AE3	515D106M050**JA**6AE3	10	.13	.12	.10	.09
75-515D226M050JA6AE3	515D226M050**JA**6AE3	22	.13	.12	.10	.09
75-515D336M050AA6AE3	515D336M050**AA**6AE3	33	.20	.18	.16	.14
75-515D476M050AA6AE3	515D476M050**AA**6AE3	47	.20	.18	.16	.14
75-515D107M050BB6AE3	515D107M050**BB**6AE3	100	.36	.32	.29	.25
75-515D227M050CD6AE3	515D227M050**CD**6AE3	220	.53	.47	.43	.38
75-515D337M050CG6AE3	515D337M050**CG**6AE3	330	.65	.44	.28	.25
75-515D477M050DG6AE3	515D477M050**DG**6AE3	470	.98	.67	.42	.37
75-515D108M050EK6AE3	515D108M050**EK**6AE3	1000	1.55	1.39	1.25	1.11
75-515D228M050FR6AE3	515D228M050**FR**6AE3	2200	3.39	3.02	2.72	2.42
100 Volt						
75-515D474M100JA6AE3	515D474M100**JA**6AE3	0.47	.11	.10	.09	.08
75-515D105M100JA6AE3	515D105M100**JA**6AE3	1	.13	.12	.11	.09
75-515D225M100JA6AE3	515D225M100**JA**6AE3	2.2	.11	.10	.09	.08
75-515D106M100AA6AE3	515D106M100**AA**6AE3	10	.20	.18	.16	.14
75-515D476M100CD6AE3	515D476M100**CD**6AE3	47	.40	.36	.32	.29
75-515D107M100DG6AE3	515D107M100**DG**6AE3	100	.77	.69	.62	.55
75-515D337M100EK6AE3	515D337M100**EK**6AE3	330	1.53	1.36	1.23	1.09
75-515D477M100EN6AE3	515D477M100**EN**6AE3	470	2.20	1.97	1.77	1.57
160 Volt						
75-515D106M160CC6AE3	515D106M160**CC**6AE3	10	.52	.47	.42	.37
250 Volt						
75-515D105M250AA6AE3	515D105M250**AA**6AE3	1	.32	.29	.26	.23
75-515D106M250CG6AE3	515D106M250**CG**6AE3	10	.76	.68	.61	.54

VISHAY / SPRAGUE 517D MINIATURE 105°C RADIAL LEAD TYPE

RoHS Compliant

Specifications:
- Operating temperature: -55°C to +105°C,≤ 100VDC
  -40°C to +105°C ≥ 160VDC
- Tolerance: ±20%
- Rated lifetime: 2000 hours @ +105°C

Features:
- 105°C Max. temperature
- High CV per case size
- Solvent resistant construction (through 100 WVDC)
- High temperature operation

For quantities of 500 and up, call for quote.

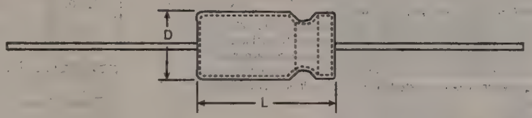
MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Price Each			
			1	25	100	250
10 Volt						
75-517D107M010JA6AE3	517D107M010**JA**6AE3	100	.23	.20	.18	.16
16 Volt						
75-517D336M016JA6AE3	517D336M016**JA**6AE3	33	.18	.16	.14	.12
75-517D476M016JA6AE3	517D476M016**JA**6AE3	47	.23	.20	.18	.16
75-517D107M016AA6AE3	517D107M016**AA**6AE3	100	.27	.24	.21	.19
75-517D227M016BB6AE3	517D227M016**BB**6AE3	220	.33	.30	.26	.23
75-517D337M016BB6AE3	517D337M016**BB**6AE3	330	.44	.39	.34	.30
75-517D477M016CC6AE3	517D477M016**CC**6AE3	470	.48	.43	.37	.33
75-517D108M016CG6AE3	517D108M016**CG**6AE3	1000	.78	.70	.61	.54
75-517D228M016DK6AE3	517D228M016**DK**6AE3	2200	1.34	1.19	1.04	.92
25 Volt						
75-517D226M025JA6AE3	517D226M025**JA**6AE3	22	.22	.20	.17	.15
75-517D336M025JA6AE3	517D336M025**JA**6AE3	33	.23	.20	.18	.16
75-517D476M025JA6AE3	517D476M025**JA**6AE3	47	.27	.24	.21	.18
75-517D107M025AA6AE3	517D107M025**AA**6AE3	100	.32	.28	.25	.22
75-517D227M025BB6AE3	517D227M025**BB**6AE3	220	.44	.39	.34	.30
75-517D337M025CC6AE3	517D337M025**CC**6AE3	330	.57	.50	.44	.39
75-517D477M025CD6AE3	517D477M025**CD**6AE3	470	.76	.68	.59	.52
75-517D108M025DG6AE3	517D108M025**DG**6AE3	1000	.87	.78	.68	.60
75-517D228M025EK6AE3	517D228M025**EK**6AE3	2200	1.66	1.48	1.29	1.11
35 Volt						
75-517D475M035JA6AE3	517D475M035**JA**6AE3	4.7	.18	.16	.14	.12
75-517D108M035DK6AE3	517D108M035**DK**6AE3	1000	1.34	1.19	1.04	.92
50 Volt						
75-517D105M050JA6AE3	517D105M050**JA**6AE3	1	.18	.16	.14	.12
75-517D225M050JA6AE3	517D225M050**JA**6AE3	2.2	.18	.16	.14	.12
75-517D335M050JA6AE3	517D335M050**JA**6AE3	3.3	.18	.16	.14	.12
75-517D475M050JA6AE3	517D475M050**JA**6AE3	4.7	.18	.16	.14	.12
75-517D106M050JA6AE3	517D106M050**JA**6AE3	10	.22	.20	.17	.15
75-517D226M050JA6AE3	517D226M050**JA**6AE3	22	.27	.24	.21	.18
75-517D336M050AA6AE3	517D336M050**AA**6AE3	33	.29	.26	.23	.20
75-517D476M050AA6AE3	517D476M050**AA**6AE3	47	.32	.28	.25	.22
75-517D107M050BB6AE3	517D107M050**BB**6AE3	100	.42	.37	.32	.28
75-517D227M050CD6AE3	517D227M050**CD**6AE3	220	.70	.62	.54	.48
75-517D337M050CG6AE3	517D337M050**CG**6AE3	330	.86	.76	.67	.59
75-517D477M050DG6AE3	517D477M050**DG**6AE3	470	.86	.76	.67	.57
75-517D108M050EK6AE3	517D108M050**EK**6AE3	1000	1.54	1.37	1.20	1.06
75-517D228M050FR6AE3	517D228M050**FR**6AE3	2200	3.39	3.01	2.64	2.33
100 Volt						
75-517D105M100JA6AE3	517D105M100**JA**6AE3	1	.18	.16	.14	.12
75-517D335M100JA6AE3	517D335M100**JA**6AE3	3.3	.22	.20	.17	.15
75-517D475M100JA6AE3	517D475M100**JA**6AE3	4.7	.22	.20	.17	.15
75-517D106M100AA6AE3	517D106M100**AA**6AE3	10	.29	.26	.23	.20
75-517D226M100BB6AE3	517D226M100**BB**6AE3	22	.30	.26	.23	.20
75-517D336M100CC6AE3	517D336M100**CC**6AE3	33	.44	.39	.34	.30
75-517D476M100CD6AE3	517D476M100**CD**6AE3	47	.50	.44	.39	.34
75-517D107M100DG6AE3	517D107M100**DG**6AE3	100	.77	.69	.60	.53
75-517D227M100EK6AE3	517D227M100**EK**6AE3	220	1.40	1.24	1.09	.96
75-517D337M100EK6AE3	517D337M100**EK**6AE3	330	1.54	1.37	1.20	1.06
75-517D477M100EN6AE3	517D477M100**EN**6AE3	470	2.20	1.95	1.71	1.51
160 Volt						
75-517D105M160AA6AE3	517D105M160**AA**6AE3	1	.27	.24	.21	.18
75-517D225M160AA6AE3	517D225M160**AA**6AE3	2.2	.32	.29	.25	.22
75-517D106M160CC6AE3	517D106M160**CC**6AE3	10	.52	.46	.41	.36
75-517D476M160DK6AE3	517D476M160**DK**6AE3	47	1.10	.98	.86	.76
75-517D107M160EK6AE3	517D107M160**EK**6AE3	100	1.72	1.53	1.34	1.18
250 Volt						
75-517D105M250AA6AE3	517D105M250**AA**6AE3	1	.32	.29	.25	.22
75-517D225M250BB6AE3	517D225M250**BB**6AE3	2.2	.41	.36	.32	.28
75-517D475M250CC6AE3	517D475M250**CC**6AE3	4.7	.52	.46	.41	.36
75-517D106M250CG6AE3	517D106M250**CG**6AE3	10	.76	.67	.59	.52
75-517D226M250DK6AE3	517D226M250**DK**6AE3	22	.96	.86	.75	.66
75-517D336M250DK6AE3	517D336M250**DK**6AE3	33	.97	.86	.75	.65
75-517D476M250EK6AE3	517D476M250**EK**6AE3	47	1.46	1.10	.81	.66
75-517D107M250FR6AE3	517D107M250**FR**6AE3	100	3.48	3.10	2.71	2.40

VISHAY / SPRAGUE Aluminum Electrolytic Capacitors

VISHAY / SPRAGUE TYPE TVA ATOM® 85°C ALUMINUM MINIATURE AXIAL LEAD

Specifications:

- Operating temperature:
  - -40°C to +85°C (≤100VDC)
  - -20°C to +85°C (150VDC-450VDC)
  - -20°C to +65°C (≥ 500VDC)
- Capacitance tolerance: ±20%



Features:

- Low leakage current.
- Ideal for application in TV sets, auto radios, radio-phone combinations, and electronic testing equipment

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Volt	Value	Case Size	Price Each			
Mfr.	Mfr. Part No.	(DC)	(μF)	D x L (In.)	1	25	50	100
75	TVA1160	16	100	.312 x .687	1.34	1.21	1.08	1.01
75	TVA1161	16	250	.375 x .812	1.47	1.32	1.18	1.10
75	TVA1162	16	500	.375 x .937	1.59	1.43	1.28	1.20
75	TVA1163	16	1000	.375 x 1.5	1.80	1.61	1.44	1.34
75	TVA1204	25	10	.25 x .5	1.30	1.17	1.05	.98
75	TVA1204.5	25	20	.25 x .5	1.30	1.17	1.05	.98
75	TVA1205	25	25	.25 x .5	1.30	1.17	1.05	.98
75	TVA1206	25	50	.25 x .687	1.33	1.19	1.07	1.00
75	TVA1207	25	100	.312 x .812	1.37	1.23	1.10	1.03
75	TVA1207.5	25	150	.375 x .812	1.47	1.32	1.18	1.10
75	TVA1208	25	250	.375 x .937	1.59	1.43	1.28	1.20
75	TVA1208.5	25	300	.375 x .937	1.59	1.43	1.28	1.20
75	TVA1209	25	500	.485 x 1.25	2.00	1.80	1.60	1.50
75	TVA1211	25	1000	.485 x 1.5	2.36	2.13	1.90	1.77
75	TVA1213	25	2000	.625 x 1.75	3.22	2.90	2.59	2.41
75	TVA1300	50	1	.25 x .5	1.30	1.17	1.05	.98
75	TVA1301	50	2	.25 x .5	1.30	1.17	1.05	.98
75	TVA1303	50	5	.25 x .5	1.30	1.17	1.05	.98
75	TVA1304	50	10	.25 x .50	1.30	1.17	1.05	.98
75	TVA1305	50	15	.25 x .687	1.33	1.19	1.07	1.00
75	TVA1305.5	50	20	.25 x .687	1.33	1.19	1.07	1.00
75	TVA1306	50	25	.25 x .687	1.33	1.19	1.07	1.00
75	TVA1308	50	50	.312 x .812	1.37	1.23	1.10	1.03
75	TVA1310	50	100	.375 x .812	1.47	1.32	1.18	1.10
75	TVA1311	50	150	.375 x .937	1.59	1.43	1.28	1.20
75	TVA1311.5	50	200	.375 x 1.25	1.67	1.50	1.34	1.25
75	TVA1312	50	250	.375 x 1.5	1.80	1.61	1.44	1.34
75	TVA1312.1	50	300	.438 x 1.25	2.00	1.80	1.60	1.50
75	TVA1315	50	500	.485 x 1.5	2.36	2.13	1.90	1.77
75	TVA1316	50	1000	.625 x 1.75	3.22	2.90	2.59	2.41
75	TVA1318	50	1500	.875 x 2.125	7.52	6.77	6.04	5.64
75	TVA1318.3	50	2500	1.125 x 2.625	8.93	8.03	7.17	6.70
75	TVA1346	100	100	.438 x 1.5	2.16	1.94	1.74	1.62
75	TVA1376	100	500	1.375 x 3.125	8.81	7.93	7.08	6.61
75	TVA1400	150	1	.25 x .5	1.30	1.17	1.05	.98
75	TVA1402	150	4	.312 x .812	1.37	1.23	1.10	1.03
75	TVA1403	150	5	.312 x .812	1.37	1.23	1.10	1.03
75	TVA1405	150	8	.375 x .812	1.47	1.32	1.18	1.10
75	TVA1406	150	10	.375 x .812	1.47	1.32	1.18	1.10
75	TVA1409	150	16	.375 x .937	1.59	1.43	1.28	1.20
75	TVA1410	150	20	.375 x 1.25	1.67	1.50	1.34	1.25
75	TVA1411	150	25	.375 x 1.25	1.67	1.50	1.34	1.25
75	TVA1412	150	30	.438 x 1.25	2.00	1.80	1.60	1.50
75	TVA1413	150	40	.438 x 1.5	2.16	1.94	1.74	1.62
75	TVA1414	150	50	.438 x 1.5	2.16	1.94	1.74	1.62
75	TVA1415	150	60	.625 x 1.5	2.90	2.60	2.32	2.17
75	TVA1418	150	80	.625 x 1.75	3.22	2.90	2.59	2.41
75	TVA1420	150	100	.625 x 1.75	3.22	2.90	2.59	2.41
75	TVA1423	150	200	1.0 x 2.125	8.41	7.57	6.76	6.31
75	TVA1501	250	4	.375 x .812	1.47	1.32	1.18	1.10
75	TVA1504	250	10	.375 x 1.125	1.67	1.50	1.34	1.25
75	TVA1508	250	20	.438 x 1.5	2.16	1.94	1.74	1.62
75	TVA1510	250	30	.625 x 1.5	2.90	2.60	2.32	2.17
75	TVA1511	250	40	.625 x 1.75	3.22	2.90	2.59	2.41
75	TVA1512	250	50	.875 x 1.375	7.44	6.70	5.98	5.58
75	TVA1522	250	100	1.0 x 1.875	8.37	7.53	6.73	6.17
75	TVA1601	350	4	.375 x 1.25	1.67	1.50	1.34	1.25
75	TVA1607	350	15	.485 x 1.75	2.61	2.35	2.10	1.96
75	TVA1608	350	20	.625 x 1.75	3.22	2.90	2.59	2.41
75	TVA1613	350	60	.875 x 2.125	8.04	7.23	6.46	6.03
75	TVA1620	350	100	1.0 x 2.625	8.67	7.80	6.96	6.50
75	TVA1700	450	1	.375 x .812	1.47	1.32	1.18	1.10
75	TVA1701	450	2	.375 x 1.25	1.67	1.50	1.34	1.25
75	TVA1702	450	4	.438 x 1.5	2.16	1.94	1.74	1.62
75	TVA1704	450	8	.485 x 1.75	2.61	2.35	2.10	1.96
75	TVA1709	450	20	.875 x 1.625	7.56	6.80	6.07	5.67
75	TVA1711	450	30	.875 x 1.875	8.11	7.30	6.52	6.08
75	TVA1712	450	40	.875 x 2.125	7.78	7.00	6.25	5.83
75	TVA1716	450	80	1.0 x 2.625	8.93	8.03	7.17	6.70
75	TVA1718	450	100	1.25 x 3.125	12.15	10.93	9.76	9.11
75	TVA1803.1	475	16	.875 x 1.625	7.59	6.83	6.10	5.69
75	TVA1906	500	20	875 x 2.125	8.04	7.23	6.46	6.03
75	TVA1907	500	30	1.0 x 1.625	8.37	7.53	6.73	6.17
75	TVA1908	500	40	1.0 x 2.375	9.07	8.17	7.30	6.81
75	TVA1963	600	10	1.0 x 2.875	15.37	13.83	12.35	11.53
75	TVA1966	600	20	1.0 x 3.875	13.93	12.53	11.20	10.44

VISHAY / SPRAGUE TYPE TE LITTL-LYTIC® 105°C ALUMINUM CAPACITORS

Specifications:

- Operating temperature: -40°C to +105°C
- Capacitance tolerance:
  - +75%, -10% (≤ 50VDC)
  - +50, -10% (≥ 100VDC)

Features:

- Welded terminal connectors
- Metal-encased with clear plastic outer insulating sleeve
- Ideal for use as coupling capacitors. Minimum drain and long battery life when used in battery bypass applications

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Volt	Value	Case Size	Price Each			
Mfr.	Mfr. Part No.	(DC)	(μF)	D x L (In.)	1	50	100	500
75	TE1135	12	100	.322 x .848	2.15	1.97	1.54	1.35
75	TE1155	16	10	.26 x .536	2.05	1.88	1.47	1.29
75	TE1160	16	50	.322 x .723	2.12	1.94	1.51	1.33
75	TE1162	16	100	.385 x .848	2.31	2.11	1.65	1.45
75	TE1164	16	200	.385 x 1.286	2.63	2.41	1.88	1.65
75	TE1164.5	16	250	.385 x 1.286	2.63	2.41	1.88	1.65
75	TE1166	16	350	.385 x 1.536	2.82	2.58	2.02	1.82
75	TE1202	25	5	.26 x .536	2.05	1.88	1.47	1.29
75	TE1204	25	10	.26 x .723	2.10	1.90	1.48	1.32
75	TE1205	25	15	.26 x .723	2.09	1.91	1.49	1.31
75	TE1206	25	20	.322 x .723	2.12	1.94	1.51	1.33
75	TE1207	25	25	.322 x .723	2.12	1.94	1.51	1.33
75	TE1209	25	50	.322 x .848	2.15	1.97	1.54	1.35
75	TE1210	25	75	.385 x .848	2.31	2.11	1.65	1.45
75	TE1211	25	100	.385 x .973	2.50	2.29	1.79	1.57
75	TE1212	25	150	.385 x 1.286	2.63	2.41	1.88	1.65
75	TE1213	25	200	.385 x 1.536	2.82	2.58	2.02	1.77
75	TE1300	50	1	.26 x .536	2.05	1.88	1.47	1.29
75	TE1301	50	2	.26 x .536	2.05	1.88	1.47	1.29
75	TE1302	50	3	.26 x .536	2.05	1.88	1.47	1.29
75	TE1302.1	50	4	.26 x .536	2.05	1.88	1.47	1.29
75	TE1303	50	5	.26 x .723	2.09	1.91	1.49	1.31
75	TE1303.3	50	8	.26 x .723	2.09	1.91	1.49	1.31
75	TE1304	50	10	.322 x .723	2.12	1.94	1.51	1.33
75	TE1304.2	50	15	.322 x .723	2.12	1.94	1.51	1.33
75	TE1305	50	20	.322 x .848	2.15	1.97	1.54	1.35
75	TE1305.5	50	25	.322 x .848	2.15	1.97	1.54	1.35
75	TE1306	50	35	.385 x .848	2.31	2.11	1.65	1.45
75	TE1307	50	50	.385 x .973	2.50	2.29	1.79	1.57
75	TE1308	50	75	.385 x 1.286	2.63	2.41	1.88	1.65
75	TE1309	50	100	.385 x 1.536	2.82	2.58	2.02	1.77
75	TE1401	100	2	.26 x .723	2.09	1.91	1.49	1.31
75	TE1407	100	10	.385 x .848	2.31	2.11	1.65	1.45
75	TE1408	100	15	.385 x .973	2.50	2.29	1.79	1.57
75	TE1410	100	25	.385 x 1.536	2.82	2.58	2.02	1.77
75	TE1411	100	30	.385 x 1.536	2.82	2.58	2.02	1.77
75	TE1500	150	1	.26 x .536	2.05	1.88	1.47	1.29
75	TE1504	150	5	.322 x .848	2.15	1.97	1.54	1.35
75	TE1506	150	8	.385 x .848	2.31	2.11	1.65	1.45
75	TE1507	150	10	.385 x .973	2.50	2.29	1.79	1.57
75	TE1508.1	150	15	.385 x 1.286	2.63	2.41	1.88	1.65

TYPE 516D AXIAL LEAD ALUMINUM CAPACITORS

Specifications:

- Operating Temperature: -40°C to +85°C
- High CV per case size
- Capacitance tolerance: ±20%

Features:

- Solvent resistant construction

RoHS Compliant LEAD-FREE

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Volt	Value	Case Size	Price Each			
Mfr.	Mfr. Part No.	(DC)	(μF)	D x L (In.)	1	50	100	500
75	516D227M016-E3	16	220	.315 x .63	.26	.25	.23	.22
75	516D477M016-E3	16	470	.315 x .787	.34	.33	.30	.29
75	516D476M025-E3	25	47	.248 x .472	.22	.21	.20	.19
75	516D107M025-E3	25	100	.248 x .472	.26	.25	.23	.22
75	516D227M025-E3	25	220	.315 x .63	.30	.29	.27	.25
75	516D337M025-E3	25	330	.315 x .787	.35	.34	.31	.30
75	516D477M025-E3	25	470	.394 x .984	.50	.48	.44	.42
75	516D108M025-E3	25	1000	.512 x 1.023	.77	.74	.68	.65
75	516D226M035-E3	35	22	.197 x .472	.22	.21	.20	.19
75	516D476M035-E3	35	47	.248 x .472	.23	.22	.20	.19
75	516D107M035-E3	35	100	.315 x .63	.26	.25	.23	.22
75	516D227M035-E3	35	220	.315 x .787	.35	.34	.31	.30
75	516D108M035-E3	35	1000	.512 x 1.24	.89	.86	.79	.75
75	516D105M050-E3	50	1	.197 x .472	.18	.17	.16	.15
75	516D106M050-E3	50	10	.197 x .472	.22	.21	.20	.19
75	516D107M050-E3	50	100	.315 x .63	.34	.33	.30	.29
75	516D227M050-E3	50	220	.394 x .827	.42	.41	.37	.36
75	516D477M050-E3	50	470	.512 x 1.023	.77	.74	.68	.65
75	516D108M050-E3	50	1000	.63 x 1.24	1.43	1.37	1.26	1.21
75	516D475M063-E3	63	4.7	.197 x .472	.18	.17	.16	.15
75	516D106M063-E3	63	10	.197 x .472	.22	.21	.20	.19
75	516D226M063-E3	63	22	.248 x .472	.23	.22	.20	.19
75	516D476M063-E3	63	47	.315 x .63	.26	.25	.23	.22
75	516D107M063-E3	63	100	.315 x .787	.35	.34	.31	.30
75	516D227M063-E3	63	220	.394 x .984	.59	.57	.53	.50

VISHAY / SPRAGUE Aluminum Electrolytic Capacitors

SPRAGUE TYPE 39D POWERLYTIC® 85°C, ALUMINUM ELECTROLYTIC CAPACITORS

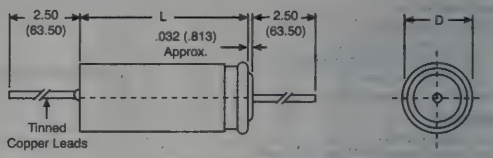
Performance Characteristics:

- Operating Temperature: -20°C to +85°C
- Capacitance Tolerance: 10 WVDC to 75 WVDC, +75%, -10%;
  100 WVDC to 450 WVDC, +50%, -10%
- Dissipation Factor: 10 WVDC and 15 WVDC capacitors, 150%;
  25 WVDC and 30 WVDC capacitors, 60%;
  40 WVDC and 50 WVDC capacitors, 45%;
  75 WVDC and 100 WVDC capacitors, 30%;
  150 WVDC to 450 WVDC capacitors, 18%.

Features:

- Designed for applications requiring greatest possible capacitance in small physical case sizes,
- Supplement original Type 36D can-type capacitors, offering lower capacitance values in smaller sizes with axial leads.
- Welds at all critical anode and cathode terminals eliminate riveted or pressure connections to assure freedom from open circuit even when operated in the microvolt or millivolt signal range.
- Pressure-sensitive safety vent.
- Service life of 10 years or more in normal circuit applications.
- Capacitors have an outer plastic-film insulation.

DIMENSIONS: In.



For quantities of 100 and up, call for quote.

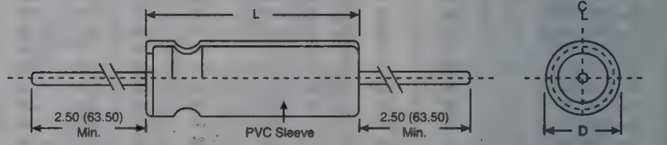
MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each		
				1	25	50
10WVDC @ +85°C, Surge = 12V						
75-39D108G010FJ6	39D108G010FJ6	1000	.635 x 1.641	12.53	9.22	7.83
15WVDC @ +85°C, Surge = 18V						
75-39D808G015JT6	39D808G015JT6	8000	1.01 x 3.641	17.00	12.50	10.63
25WVDC @ +85°C, Surge = 30V						
75-39D478G025JT6	39D478G025JT6	4700	1.01 x 3.641	17.00	12.50	10.63
30WVDC @ +85°C, Surge = 40V						
75-39D507G030FL6	39D507G030FL6	500	.635 x 2.141	12.60	9.26	7.88
75-39D308G030JS6	39D308G030JS6	3000	1.01 x 3.141	16.20	11.91	10.13
40WVDC @ +85°C, Surge = 50V						
75-39D158G040HP6	39D158G040HP6	1500	.885 x 2.641	15.07	11.08	9.42
50WVDC @ +85°C, Surge = 65V						
75-39D157G050EL6	39D157G050EL6	150	.510 x 2.141	12.00	8.82	7.50
75-39D257G050HE6	39D257G050HE6	250	.885 x 1.141	13.93	10.25	8.71
50WVDC @ +85°C, Surge = 65V (cont.)						
75-39D507G050GL6	39D507G050GL6	500	.760 x 2.141	13.53	9.95	8.46
75-39D118G050HP6	39D118G050HP6	1100	.885 x 2.641	10.96	9.47	8.45
75-39D238G050JT6	39D238G050JT6	2300	1.01 x 3.641	16.87	12.40	10.54
75WVDC @ +85°C, Surge = 95V						
75-39D157G075FJ6	39D157G075FJ6	150	.635 x 1.641	7.94	7.06	6.35
150WVDC @ +85°C, Surge = 175V						
75-39D127F150GL6	39D127F150GL6	120	.760 x 2.141	14.07	10.34	8.79
250WVDC @ +85°C, Surge = 300V						
75-39D506F250JE6	39D506F250JE6	50	1.01 x 1.141	14.87	10.93	9.29
350WVDC @ +85°C, Surge = 400V						
75-39D606F350HL6	39D606F350HL6	60	.885 x 1.641	15.73	11.57	9.83

SPRAGUE TYPE 53D 85°C, TUBULAR GENERAL PURPOSE ALUMINUM CAPACITORS

Performance Characteristics:

- Operating Temperature: -40°C to +85°C
- Capacitance Tolerance: -10%, +50%; -10%, +75%
- Life Validation Test: 1000 hours at +85°C:
  Δ CAP ≤ 15% from initial measurement
  Δ ESR ≤ 1.3 x initial specified limit
  Δ DCL ≤ initial specified limit

DIMENSIONS: In.



For quantities of 100 and up, call for quote.

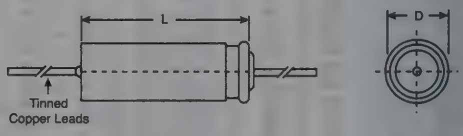
MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each		
				1	25	50
25WVDC @ +85°C, Surge = 35V						
75-53D25V4300	53D432G025HJ6	4300	.885 x 1.641	9.10	8.90	8.65
75-53D25V6200	53D622G025HL6	6200	.885 x 2.141	6.08	5.00	4.46
75-53D25V11000	53D113G025JP6	11000	1.01 x 2.641	10.37	9.22	8.30
35WVDC @ +85°C, Surge = 45V						
75-53D35V1100	53D112G035GE6	1100	.76 x 1.141	6.89	5.64	5.09
75-53D35V2100	53D212G035GJ6	2100	.76 x 1.641	5.36	4.40	3.93
75-53D35V3200	53D322G035HJ6	3200	.885 x 1.641	5.83	4.79	4.27
75-53D35V4700	53D472G035HL6	4700	.885 x 2.141	7.31	6.65	6.09
75-53D35V8300	53D832G035JP6	8300	1.01 x 2.641	7.40	6.98	6.60
50WVDC @ +85°C, Surge = 70V						
75-53D50V1000	53D102G050GE6	1000	.76 x 1.141	5.47	4.50	4.01
75-53D50V1300	53D132G050GJ6	1300	.76 x 1.641	7.50	6.40	5.80
75-53D50V1900	53D192G050HJ6	1900	.885 x 1.641	5.65	4.64	4.14
75-53D50V2800	53D282G050HL6	2800	.885 x 2.141	7.24	6.96	6.58
50WVDC @ +85°C, Surge = 70V (cont.)						
75-53D50V3800	53D382G050JL6	3800	1.01 x 2.141	10.74	7.73	7.44
75-53D50V5000	53D502G050JP6	5000	1.01 x 2.641	10.08	8.06	6.72
75-53D50V6800	53D682G050JP6	6800	1.01 x 2.641	11.58	8.57	6.80
63WVDC @ +85°C, Surge = 80V						
75-53D63V1000	53D102G063GJ6	1000	.76 x 1.641	7.11	5.82	5.25
75-53D63V1500	53D152G063HJ7	1500	.885 x 1.641	8.90	7.30	7.00
75-53D63V2200	53D222G063HL6	2200	.885 x 2.141	6.08	5.00	4.46
200WVDC @ +85°C, Surge = 250V						
75-53D200V350	53D351F200JL6	350	1.01 x 2.141	8.63	7.06	6.37
75-53D200V460	53D461F200JP6	460	1.01 x 2.641	10.20	9.10	8.30
250WVDC @ +85°C, Surge = 300V						
75-53D250V56	53D560F250GE6	56	.76 x 1.141	3.91	2.84	2.27
75-53D250V100	53D101F250GJ6	100	.76 x 1.641	7.25	5.94	5.36
75-53D250V130	53D131F250HJ6	130	.885 x 1.641	5.51	4.53	4.04
400WVDC @ +85°C, Surge = 450V						
75-53D400V100	53D101F400JL6	100	1.01 x 2.141	7.45	6.12	5.46
75-53D400V140	53D141F400JS6	140	1.01 x 3.141	6.88	5.00	4.00
75-53D400V150	53D151F400JS6	150	1.01 x 3.141	8.48	6.97	6.22

SPRAGUE TYPE 500D 85°C, MINIATURE GENERAL PURPOSE ALUMINUM CAPACITORS

Performance Characteristics:

- Operating Temperature: -40°C to +85°C (3 WVDC to 250 WVDC);
  -20°C to +85°C (251 WVDC to 400 WVDC)
- Capacitance Tolerance: ±20%
- Life Validation Test: 2000 hours at +85°C:
  Δ CAP ≤ 20% from initial measurement
  Δ ESR ≤ 1.5 x initial specified limit
  Δ DCL ≤ initial specified limit

DIMENSIONS: In.



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Size D x L (IN)	Price Each		
				1	50	100
16WVDC @ +85°C, Surge = 20V						
75-500D157M016CB2A	500D157M016CB2A	150	.315 x .689	1.65	1.18	.94
75-500D108M016DH2	500D108M016DH2	1000	.374 x 1.496	2.14	1.53	1.22
75-500D158M016EH2	500D158M016EH2	1500	.433 x 1.496	2.66	1.90	1.52
25WVDC @ +85°C, Surge = 35V						
75-500D107M025CC2A	500D107M025CC2A	100	.315 x .807	1.65	1.18	.94
75-500D227M025DC2A	500D227M025DC2A	220	.374 x .807	1.79	1.28	1.02
35WVDC @ +85°C, Surge = 40V						
75-500D156M035BA2	500D156M035BA2	15	.248 x .512	1.61	1.15	.92
75-500D476M035CB2	500D476M035CB2	47	.315 x .689	1.65	1.54	1.30
50WVDC @ +85°C, Surge = 65V						
75-500D106M050BA2A	500D106M050BA2A	10	.248 x .512	1.61	1.49	1.20
75-500D107M050DC2A	500D107M050DC2A	100	.374 x .807	1.93	1.68	1.50
75-500D157M050DD2A	500D157M050DD2A	150	.374 x .945	2.47	1.79	1.62
75-500D337M050EF2A	500D337M050EF2A	330	.433 x 1.260	2.45	1.75	1.40
75-500D687M050GH2	500D687M050GH2	680	.630 x 1.496	3.54	2.53	2.02
63WVDC @ +85°C, Surge = 75V						
75-500D476M063CC2A	500D476M063CC2A	47	.315 x .807	1.65	1.56	1.36
400WVDC @ +85°C, Surge = 450V						
75-500D106M400FK2	500D106M400FK2	10	.492 x 1.752	4.05	3.35	2.93

XICON 85°C Radial Aluminum Electrolytic Capacitors

XICON RADIAL ALUMINUM CAPACITORS

RoHS Compliant **This page of product is compliant.**

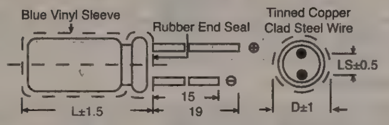
Specifications:

- Operating temperature range:
  10V to 250V: -40°C to +85°C
  350V to 450V: -25°C to +85°C
- Tolerance: ±20%

Application Note:

A higher voltage capacitor may be used in a lower voltage application.

DIMENSIONS: mm



Dia	L/S	Dia	L/S
4	1.5	16	7.5
5	2.0	18	7.5
6.3	2.5	22	10
8	3.5	25	12.5
10	5.0		
13	5.0	Tape	5.0

5mm - 13mm diameter available packaged in Tape and Box.
To order Tape and Box, add - TB to Mouser Stock No.

To order Tape and Box, add - TB to Mouser Stock No.

∗ Standard lead space for tape and box package is 5.0mm

∗∗ Buy Tape and Box package in multiples of Minimum Quantity

For quantities 2000 and up, call for quote.

RoHS Compliant

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each			∗ Tape and Box	
			1	100	500	Min. Qty ∗∗	Price per Piece
10 Volt							
140-XRL10V10-RC	10	5 x 11	.06	.042	.032	2000	.024
140-XRL10V22-RC	22	5 x 11	.06	.042	.032	2000	.024
140-XRL10V47-RC	47	5 x 11	.06	.042	.032	2000	.024
140-XRL10V100-RC	100	5 x 11	.06	.047	.04	2000	.024
140-XRL10V220-RC	220	6.3 x 11	.08	.054	.046	2000	.034
140-XRL10V330-RC	330	8 x 11	.11	.08	.067	1000	.062
140-XRL10V470-RC	470	8 x 11	.12	.088	.071	1000	.062
140-XRL10V1000-RC	1000	10 x 13	.18	.12	.096	500	.096
140-XRL10V2200-RC	2200	13 x 20	.37	.28	.20	300	.28
140-XRL10V3300-RC	3300	13 x 20	.42	.32	.27	300	.32
140-XRL10V4700-RC	4700	16 x 25	.66	.53	.44	- - -	- - -
140-XRL10V6800-RC	6800	16 x 25	.85	.66	.58	- - -	- - -
140-XRL10V10000-RC	10000	18 x 36	1.32	1.03	.89	- - -	- - -
16 Volt							
140-XRL16V2.2-RC	2.2	5 x 11	.06	.042	.032	2000	.024
140-XRL16V3.3-RC	3.3	5 x 11	.06	.042	.032	2000	.024
140-XRL16V4.7-RC	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL16V10-RC	10	5 x 11	.06	.042	.032	2000	.024
140-XRL16V22-RC	22	5 x 11	.06	.042	.032	2000	.024
140-XRL16V33-RC	33	5 x 11	.06	.042	.032	2000	.024
140-XRL16V47-RC	47	5 x 11	.06	.042	.032	2000	.024
140-XRL16V100-RC	100	6.3 x 11	.08	.059	.05	2000	.036
140-XRL16V220-RC	220	8 x 11	.11	.08	.067	1000	.062
140-XRL16V330-RC	330	8 x 11	.11	.08	.067	1000	.062
140-XRL16V470-RC	470	10 x 13	.19	.12	.096	500	.096
140-XRL16V680-RC	680	10 x 16	.23	.16	.13	500	.13
140-XRL16V1000-RC	1000	10 x 16	.23	.16	.13	500	.13
140-XRL16V1500-RC	1500	13 x 20	.37	.28	.20	300	.28
140-XRL16V2200-RC	2200	13 x 20	.42	.32	.27	300	.32
140-XRL16V3300-RC	3300	16 x 25	.67	.53	.44	- - -	- - -
140-XRL16V4700-RC	4700	16 x 25	.83	.64	.54	- - -	- - -
140-XRL16V6800-RC	6800	16 x 32	1.39	1.08	.92	- - -	- - -
140-XRL16V10000-RC	10000	18 x 36	1.69	1.32	1.13	- - -	- - -
25 Volt							
140-XRL25V0.47-RC	.47	5 x 11	.06	.042	.032	2000	.024
140-XRL25V1.0-RC	1.0	5 x 11	.06	.042	.032	2000	.024
140-XRL25V2.2-RC	2.2	5 x 11	.06	.042	.032	2000	.024
140-XRL25V4.7-RC	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL25V10-RC	10	5 x 11	.06	.042	.032	2000	.024
140-XRL25V22-RC	22	5 x 11	.06	.042	.032	2000	.024
140-XRL25V33-RC	33	5 x 11	.06	.042	.032	2000	.024
140-XRL25V47-RC	47	5 x 11	.06	.042	.032	2000	.024
140-XRL25V100-RC	100	6.3 x 11	.09	.056	.042	2000	.032
140-XRL25V220-RC	220	8 x 11	.12	.088	.072	1000	.065
140-XRL25V330-RC	330	10 x 16	.17	.12	.096	500	.096
140-XRL25V470-RC	470	10 x 12	.17	.13	.12	500	.12
140-XRL25V1000-RC	1000	13 x 20	.34	.27	.19	300	.27
140-XRL25V2200-RC	2200	16 x 27	.67	.53	.44	- - -	- - -
140-XRL25V3300-RC	3300	16 x 32	1.01	.78	.67	- - -	- - -
140-XRL25V4700-RC	4700	18 x 31	1.26	.95	.79	- - -	- - -
140-XRL25V6800-RC	6800	22 x 41	1.69	1.32	1.13	- - -	- - -
140-XRL25V10000-RC	10000	25 x 40	3.17	2.46	2.11	- - -	- - -
35 Volt							
140-XRL35V4.7-RC	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL35V10-RC	10	5 x 11	.06	.042	.032	2000	.024
140-XRL35V22-RC	22	5 x 11	.06	.042	.032	2000	.024
140-XRL35V33-RC	33	6.3 x 11	.07	.046	.032	2000	.025
140-XRL35V47-RC	47	6.3 x 11	.08	.059	.05	2000	.036
140-XRL35V100-RC	100	8 x 11	.11	.08	.067	1000	.062
140-XRL35V220-RC	220	10 x 12	.16	.12	.096	500	.096
140-XRL35V330-RC	330	10 x 22	.18	.13	.12	500	.12
140-XRL35V470-RC	470	10 x 16	.25	.19	.17	500	.17
140-XRL35V680-RC	680	13 x 20	.46	.35	.30	300	.35
140-XRL35V1000-RC	1000	13 x 20	.50	.37	.31	300	.37
140-XRL35V2200-RC	2200	16 x 25	.83	.66	.58	- - -	- - -
140-XRL35V3300-RC	3300	18 x 36	1.26	.95	.80	- - -	- - -
140-XRL35V4700-RC	4700	18 x 36	1.69	1.43	1.30	- - -	- - -
140-XRL35V6800-RC	6800	22 x 41	3.17	2.46	2.11	- - -	- - -
50 Volt							
140-XRL50V0.22-RC	.22	5 x 11	.06	.042	.032	2000	.024
140-XRL50V.47-RC	.47	5 x 11	.06	.042	.032	2000	.024
140-XRL50V1.0-RC	1.0	5 x 11	.06	.042	.032	2000	.024
140-XRL50V2.2-RC	2.2	5 x 11	.06	.042	.032	2000	.024
140-XRL50V3.3-RC	3.3	5 x 11	.06	.042	.032	2000	.024
140-XRL50V4.7-RC	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL50V10-RC	10	5 x 11	.06	.042	.032	2000	.024
140-XRL50V15-RC	15	5 x 11	.06	.046	.038	2000	.024
140-XRL50V22-RC	22	5 x 11	.06	.046	.038	2000	.024
140-XRL50V33-RC	33	6.3 x 11	.08	.066	.056	2000	.034
140-XRL50V47-RC	47	8 x 11	.08	.066	.056	2000	.034
140-XRL50V100-RC	100	8 x 11	.11	.08	.067	1000	.062
140-XRL50V220-RC	220	10 x 16	.21	.16	.13	500	.13
140-XRL50V330-RC	330	13 x 20	.28	.22	.19	300	.22
140-XRL50V470-RC	470	13 x 20	.44	.35	.30	300	.35
140-XRL50V1000-RC	1000	16 x 25	.70	.54	.46	- - -	- - -
140-XRL50V2200-RC	2200	16 x 36	1.18	.89	.66	- - -	- - -
140-XRL50V3300-RC	3300	22 x 40	2.72	2.11	1.81	- - -	- - -
140-XRL50V4700-RC	4700	25 x 40	3.17	2.46	2.11	- - -	- - -
63 Volt							
140-XRL63V1.0-RC	1.0	5 x 11	.06	.042	.032	2000	.024
140-XRL63V2.2-RC	2.2	5 x 11	.06	.042	.032	2000	.024
140-XRL63V4.7-RC	4.7	5 x 11	.06	.042	.032	2000	.024
140-XRL63V6.8-RC	6.8	5 x 11	.06	.042	.032	2000	.024
140-XRL63V10-RC	10	5 x 11	.07	.05	.04	2000	.029
140-XRL63V22-RC	22	6.3 x 11	.08	.058	.044	2000	.034
140-XRL63V33-RC	33	8 x 11	.08	.066	.056	1000	.034
140-XRL63V47-RC	47	8 x 11	.11	.08	.067	1000	.062
140-XRL63V68-RC	68	10 x 12	.14	.12	.10	500	.10
140-XRL63V100-RC	100	10 x 12	.14	.12	.10	500	.10
140-XRL63V220-RC	220	10 x 16	.29	.23	.19	500	.19
140-XRL63V470-RC	470	16 x 27	.54	.42	.36	- - -	- - -
140-XRL63V1000-RC	1000	16 x 25	.97	.76	.65	- - -	- - -
140-XRL63V2200-RC	2200	22 x 40	1.70	1.32	1.14	- - -	- - -
100 Volt							
140-XRL100V0.1-RC	.1	5 x 11	.06	.047	.04	2000	.024
140-XRL100V0.47-RC	.47	5 x 11	.06	.047	.04	2000	.024
140-XRL100V1.0-RC	1.0	5 x 11	.06	.047	.04	2000	.024
140-XRL100V2.2-RC	2.2	5 x 11	.06	.047	.04	2000	.024
140-XRL100V3.3-RC	3.3	5 x 11	.06	.047	.04	2000	.024
140-XRL100V4.7-RC	4.7	5 x 11	.07	.05	.04	2000	.029
140-XRL100V10-RC	10	6.3 x 11	.08	.058	.044	2000	.034
140-XRL100V22-RC	22	8 x 11	.11	.08	.067	1000	.062
140-XRL100V33-RC	33	10 x 16	.17	.12	.10	500	.10
140-XRL100V47-RC	47	10 x 16	.22	.17	.13	500	.13
140-XRL100V100-RC	100	10 x 20	.36	.28	.20	500	.20
140-XRL100V220-RC	220	13 x 21	.67	.53	.44	300	.53
140-XRL100V330-RC	330	16 x 26	.78	.61	.53	- - -	- - -
140-XRL100V470-RC	470	18 x 32	1.03	.80	.68	- - -	- - -
160 Volt							
140-XRL160V1.0-RC	1.0	5 x 11	.06	.048	.042	2000	.039
140-XRL160V2.2-RC	2.2	6.3 x 11	.08	.061	.052	2000	.049
140-XRL160V3.3-RC	3.3	8 x 11	.08	.063	.054	1000	.051
140-XRL160V4.7-RC	4.7	8 x 11	.09	.071	.062	1000	.058
140-XRL160V10-RC	10	10 x 12	.15	.12	.098	500	.098
140-XRL160V22-RC	22	10 x 20	.20	.15	.12	300	.15
140-XRL160V33-RC	33	13 x 20	.25	.20	.17	300	.20
140-XRL160V47-RC	47	13 x 20	.37	.29	.25	300	.29
140-XRL160V100-RC	100	16 x 25	.60	.46	.39	- - -	- - -
140-XRL160V220-RC	220	18 x 36	1.24	.96	.83	- - -	- - -
140-XRL160V330-RC	330	18 x 40	1.71	1.32	1.13	- - -	- - -
250 Volt							
140-XRL250V1.0-RC	1.0	6.3 x 11	.08	.064	.056	2000	.052
140-XRL250V2.2-RC	2.2	8 x 11	.11	.084	.071	1000	.066
140-XRL250V3.3-RC	3.3	10 x 12	.13	.094	.077	500	.077
140-XRL250V4.7-RC	4.7	10 x 12	.14	.10	.087	500	.087
140-XRL250V6.8-RC	6.8	10 x 16	.18	.13	.11	500	.11
140-XRL250V10-RC	10	10 x 20	.19	.14	.12	500	.12
140-XRL250V22-RC	22	13 x 26	.41	.32	.27	300	.32
140-XRL250V33-RC	33	13 x 26	.47	.36	.31	300	.36
140-XRL250V47-RC	47	16 x 25	.61	.47	.41	- - -	- - -
140-XRL250V100-RC	100	16 x 36	1.29	1.00	.86	- - -	- - -
140-XRL250V220-RC	220	22 x 40	2.82	2.19	1.88	- - -	- - -
350 Volt							
140-XRL350V1.0-RC	1.0	8 x 11	.18	.14	.12	1000	.11
140-XRL350V2.2-RC	2.2	10 x 16	.19	.15	.13	500	.13
140-XRL350V3.3-RC	3.3	10 x 16	.21	.16	.14	500	.14
140-XRL350V4.7-RC	4.7	10 x 20	.25	.20	.17	500	.17
140-XRL350V10-RC	10	13 x 20	.27	.21	.18	300	.21
140-XRL350V22-RC	22	13 x 25	.49	.38	.33	300	.38
140-XRL350V33-RC	33	16 x 25	.77	.60	.52	- - -	- - -
140-XRL350V47-RC	47	16 x 36	.96	.74	.64	- - -	- - -
140-XRL350V100-RC	100	22 x 41	2.16	1.68	1.44	- - -	- - -
450 Volt							
140-XRL450V1.0-RC	1.0	10 x 16	.21	.16	.14	500	.14
140-XRL450V2.2-RC	2.2	10 x 16	.26	.20	.17	500	.17
140-XRL450V3.3-RC	3.3	10 x 20	.34	.26	.22	500	.22
140-XRL450V4.7-RC	4.7	13 x 20	.45	.35	.30	300	.35
140-XRL450V10-RC	10	13 x 25	.49	.38	.33	300	.38
140-XRL450V22-RC	22	16 x 32	.62	.48	.41	- - -	- - -
140-XRL450V33-RC	33	18 x 36	1.16	.90	.77	- - -	- - -
140-XRL450V47-RC	47	22 x 40	1.85	1.44	1.23	- - -	- - -
140-XRL450V100-RC	100	25 x 45	3.58	2.78	2.38	- - -	- - -

XICON High Temperature Electrolytic Capacitors

This page of product is compliant.

105°C HIGH TEMP. RADIAL ELECTROLYTICS

Electrical Specifications:

- Operating temperature range: -40°C to +105°C
- DC leakage current: I=0.01CV or 3μA max.
- Capacitance tolerance: ±20%

RoHS Compliant

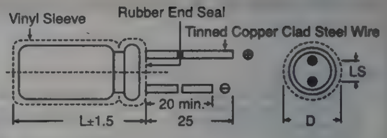
Application Note:

A higher voltage capacitor may be used in a lower voltage application.

5mm to 13mm Diameter available packaged in Tape and Box. To order Tape and Box, add -TB to Mouser Stock No.

LEAD SPACE CHART: mm

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0



DIMENSIONS: mm

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty.	Price Per Piece
10 Volt (13V Surge)							
140-HTRL10V100-RC	100	5 x 11	.08	.061	.05	2000	.038
140-HTRL10V680-RC	680	10 x 16	.18	.14	.12	500	.12
16 Volt (20V Surge)							
140-HTRL16V22-RC	22	5 x 11	.07	.049	.038	2000	.029
140-HTRL16V47-RC	47	5 x 11	.07	.049	.038	2000	.029
140-HTRL16V100-RC	100	6.3 x 11	.08	.059	.046	2000	.037
140-HTRL16V220-RC	220	8 x 11	.12	.085	.06	2000	.046
140-HTRL16V330-RC	330	8 x 11	.12	.085	.06	1000	.046
140-HTRL16V470-RC	470	10 x 12	.17	.13	.12	500	.12
140-HTRL16V1000-RC	1000	10 x 20	.25	.20	.18	500	.18
140-HTRL16V2200-RC	2200	13 x 25	.53	.39	.31	300	.39
140-HTRL16V4700-RC	4700	16 x 25	1.02	.80	.71	---	- - -
25 Volt (32V Surge)							
140-HTRL25V10-RC	10	5 x 11	.07	.049	.038	2000	.029
140-HTRL25V22-RC	22	5 x 11	.07	.049	.038	2000	.029
140-HTRL25V33-RC	33	5 x 11	.07	.049	.038	2000	.029
140-HTRL25V47-RC	47	5 x 11	.08	.061	.05	2000	.037
140-HTRL25V100-RC	100	6.3 x 11	.08	.061	.05	2000	.037
140-HTRL25V220-RC	220	8 x 11	.13	.096	.079	1000	.072
140-HTRL25V330-RC	330	10 x 12	.18	.14	.12	500	.12
140-HTRL25V470-RC	470	10 x 12	.22	.17	.14	500	.14
140-HTRL25V1000-RC	1000	13 x 20	.40	.31	.24	300	.31
140-HTRL25V2200-RC	2200	16 x 25	.75	.59	.43	---	- - -
35 Volt (44V Surge)							
140-HTRL35V10-RC	10	5 x 11	.07	.049	.038	2000	.029
140-HTRL35V22-RC	22	5 x 11	.07	.049	.038	2000	.029
140-HTRL35V33-RC	33	6.3 x 11	.08	.059	.046	2000	.037
140-HTRL35V47-RC	47	6.3 x 11	.08	.059	.046	2000	.037
140-HTRL35V100-RC	100	8 x 11	.10	.085	.078	1000	.066
140-HTRL35V220-RC	220	10 x 12	.18	.14	.12	500	.12
140-HTRL35V330-RC	330	10 x 20	.22	.17	.14	500	.14
140-HTRL35V470-RC	470	10 x 16	.30	.23	.16	500	.16
140-HTRL35V1000-RC	1000	13 x 20	.54	.43	.35	300	.43
50 Volt (63V Surge)							
140-HTRL50V1.0-RC	1.0	5 x 11	.07	.049	.038	2000	.029
140-HTRL50V2.2-RC	2.2	5 x 11	.07	.049	.038	2000	.029
140-HTRL50V4.7-RC	4.7	5 x 11	.07	.049	.038	2000	.029
140-HTRL50V10-RC	10	5 x 11	.07	.049	.038	2000	.029
140-HTRL50V22-RC	22	6.3 x 11	.08	.059	.046	2000	.037
140-HTRL50V33-RC	33	8 x 11	.08	.064	.054	2000	.037
50 Volt (63V Surge) Cont.							
140-HTRL50V47-RC	47	8 x 11	.12	.085	.06	2000	.046
140-HTRL50V100-RC	100	8 x 11	.13	.097	.079	1000	.072
140-HTRL50V150-RC	150	10 x 20	.20	.16	.12	500	.12
140-HTRL50V220-RC	220	10 x 20	.22	.17	.14	500	.14
140-HTRL50V330-RC	330	13 x 20	.34	.26	.23	500	.23
140-HTRL50V470-RC	470	13 x 25	.40	.30	.28	300	.31
140-HTRL50V1000-RC	1000	16 x 25	.90	.54	.39	- - -	- - -
140-HTRL50V2200-RC	2200	18 x 36	1.54	1.19	1.02	- - -	- - -
63 Volt (79V Surge)							
140-HTRL63V2.2-RC	2.2	5 x 11	.07	.049	.038	2000	.029
140-HTRL63V3.3-RC	3.3	5 x 11	.07	.049	.038	2000	.029
140-HTRL63V4.7-RC	4.7	5 x 11	.07	.049	.038	2000	.029
140-HTRL63V100-RC	100	10 x 12	.18	.14	.12	500	.12
140-HTRL63V1000-RC	1000	16 x 32	1.67	1.33	1.16	- - -	- - -
100 Volt (125V Surge)							
140-HTRL100V.47-RC	.47	5 x 11	.08	.059	.046	2000	.037
140-HTRL100V1.0-RC	1.0	5 x 11	.08	.059	.046	2000	.037
140-HTRL100V4.7-RC	4.7	6.3 x 11	.08	.059	.046	2000	.037
140-HTRL100V10-RC	10	8 x 11	.12	.085	.06	1000	.046
140-HTRL100V22-RC	22	8 x 11	.12	.085	.06	1000	.046
140-HTRL100V47-RC	47	10 x 12	.22	.17	.14	500	.14
140-HTRL100V100-RC	100	13 x 20	.42	.32	.29	300	.32
140-HTRL100V470-RC	470	18 x 36	1.34	1.04	.89	- - -	- - -
140-HTRL100V680-RC	680	18 x 36	2.09	1.66	1.45	- - -	- - -
160 Volt (200V Surge)							
140-HTRL160V1.0-RC	1.0	5 x 11	.10	.071	.058	2000	.066
140-HTRL160V2.2-RC	2.2	6.3 x 11	.12	.085	.068	2000	.046
140-HTRL160V4.7-RC	4.7	6.3 x 11	.13	.098	.08	2000	.072
140-HTRL160V10-RC	10	10 x 12.5	.18	.14	.12	500	.12
140-HTRL160V22-RC	22	10 x 20	.34	.26	.23	300	.23
140-HTRL160V47-RC	47	13 x 26	.58	.46	.40	300	.46
140-HTRL160V100-RC	100	16 x 25	.77	.61	.54	- - -	- - -
250 Volt (300V Surge)							
140-HTRL250V1.0-RC	1.0	6.3 x 11	.10	.085	.078	2000	.066
140-HTRL250V2.2-RC	2.2	6.3 x 11	.14	.10	.084	2000	.061
140-HTRL250V4.7-RC	4.7	10 x 13	.17	.13	.11	500	.11
140-HTRL250V10-RC	10	10 x 16	.24	.19	.17	500	.17
140-HTRL250V22-RC	22	13 x 20	.53	.39	.31	300	.39
140-HTRL250V47-RC	47	13 x 25	.83	.65	.55	300	.65
140-HTRL250V100-RC	100	16 x 36	1.62	.96	.72	- - -	- - -

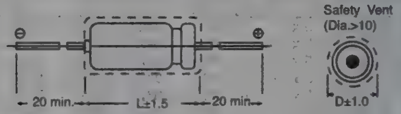
105°C HIGH TEMP. AXIAL ALUMINUM ELECTROLYTICS

Specifications:

- Operating temperature range: 10V to 250V: -40°C to +105°C
  350V to 450V: -25°C to +105°C
- Tolerance: ± 20%

Application Note:

A higher voltage capacitor may be used in a lower voltage application.



RoHS Compliant

10 Volt

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each					
			1	10	100	500	1000	2000+
140-TG221M1A-0613-RC	220	6x13	.75	.64	.49	.40	.32	Call for Quote
140-TG471M1A-0816-RC	470	8x16	.75	.64	.49	.40	.32	
140-TG102M1A-1017-RC	1000	10x17	.75	.64	.49	.40	.32	

16 Volt

140-TG100M1C-0512-RC	10	5x12	.49	.45	.39	.32	.26	Call for Quote
140-TG220M1C-0512-RC	22	5x12	.49	.45	.39	.32	.26	
140-TG470M1C-0613-RC	47	6x13	.49	.45	.39	.32	.26	
140-TG101M1C-0613-RC	100	6x13	.75	.64	.49	.40	.32	
140-TG221M1C-0813-RC	220	8x13	.75	.64	.49	.40	.32	
140-TG471M1C-0816-RC	470	8x16	.75	.64	.49	.40	.32	
140-TG102M1C-1021-RC	1000	10x21	.80	.69	.56	.48	.39	
140-TG222M1C-1327-RC	2200	13x27	1.49	1.31	.99	.78	.63	
140-TG472M1C-1637-RC	4700	16x37	2.39	1.99	1.66	1.51	1.22	

25 Volt

140-TG100M1E-0512-RC	10	5x12	.49	.45	.39	.32	.26	Call for Quote
140-TG220M1E-0512-RC	22	5x12	.49	.45	.39	.32	.26	
140-TG470M1E-0613-RC	47	6x13	.75	.64	.49	.40	.32	
140-TG101M1E-0813-RC	100	8x13	.75	.64	.49	.40	.32	
140-TG221M1E-0816-RC	220	8x16	.75	.64	.49	.40	.32	
140-TG471M1E-1021-RC	470	10x21	1.05	.99	.85	.65	.53	
140-TG102M1E-1322-RC	1000	13x22	1.05	.99	.85	.65	.53	
140-TG222M1E-1628-RC	2200	16x28	1.65	1.51	1.30	.99	.80	
140-TG472M1E-1840-RC	4700	18x40	2.87	2.40	2.18	1.99	1.60	

50 Volt

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each					
			1	10	100	500	1000	2000+
140-TG100M1H-0512-RC	10	5x12	.49	.45	.39	.32	.26	Call for Quote
140-TG220M1H-0614-RC	22	6x14	.49	.45	.39	.32	.26	
140-TG470M1H-0816-RC	47	8x16	.75	.64	.49	.40	.32	
140-TG101M1H-1017-RC	100	10x17	.75	.64	.49	.40	.32	
140-TG221M1H-1021-RC	220	10x21	1.05	.99	.85	.65	.53	
140-TG331M1H-1322-RC	330	13x22	1.05	.99	.85	.65	.53	
140-TG471M1H-1322-RC	470	13x22	1.05	.99	.85	.65	.53	
140-TG102M1H-1633-RC	1000	16x33	1.65	1.51	1.30	.99	.82	
140-TG222M1H-1840-RC	2200	18x40	2.94	2.44	2.23	2.04	1.64	

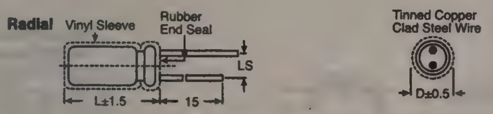
100 Volt

140-TG0R1M2A-0512-RC	.1	5x12	.49	.45	.39	.32	.26	CALL FOR QUOTE
140-TGR22M2A-0512-RC	.22	5x12	.49	.45	.39	.32	.26	
140-TGR33M2A-0512-RC	.33	5x12	.49	.45	.39	.32	.26	
140-TGR47M2A-0512-RC	.47	5x12	.49	.45	.39	.32	.26	
140-TG010M2A-0512-RC	1	5x12	.49	.45	.39	.32	.26	
140-TG2R2M2A-0512-RC	2.2	5x12	.49	.45	.39	.32	.26	
140-TG3R3M2A-0512-RC	3.3	5x12	.49	.45	.39	.32	.26	
140-TG4R7M2A-0613-RC	4.7	6x13	.49	.45	.39	.32	.26	
140-TG100M2A-0614-RC	10	6x14	.75	.64	.49	.40	.32	
140-TG220M2A-0816-RC	22	8x16	.75	.64	.49	.40	.32	
140-TG330M2A-1017-RC	33	10x17	.75	.64	.49	.40	.32	
140-TG470M2A-1021-RC	47	10x21	.75	.64	.49	.40	.32	
140-TG101M2A-1322-RC	100	13x22	1.05	.99	.85	.65	.53	
140-TG221M2A-1327-RC	220	13x27	2.05	1.75	1.38	1.25	1.01	
140-TG331M2A-1633-RC	330	16x33	2.35	1.99	1.75	1.49	1.20	
140-TG471M2A-1633-RC	470	16x33	2.60	2.16	1.95	1.79	1.47	
140-TG102M2A-1840-RC	1000	18x40	4.99	3.80	3.45	3.14	2.10	

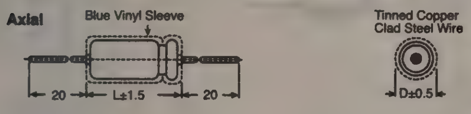
XICON Non-Polar, Bi-Polar, High Frequency, and Low ESR Capacitors

RoHS Compliant This page of product is compliant.

NON-POLAR AND BI-POLAR



RoHS Compliant



DIMENSIONS: mm

Non-Polarized Axial and Radial Electrolytics

For use in circuits that are reversed in polarity or circuits to which short duration AC voltages are impressed.

Specifications:

- Capacitance tolerance: ±10%
- Leakage current: I=0.02CV=3μA max.
- Vinyl sleeve color: blue
- Dissipation factor (25°C): @120Hz=15% @1KHz=20%
- Operating temperature range: -40°C to +85°C

MOUSER STOCK NO.	WVDC	Value (μF)	Dimensions: mm			Price Each				
			D	L	LS	1	100	500	1000	2000+
Radial Lead Type										
140-NPRL50V1.0-RC	50	1.0	5	11	2.0	.18	.09	.08	.07	Call for Quote
140-NPRL50V2.2-RC	50	2.2	5	11	2.0	.18	.09	.08	.07	
140-NPRL50V3.3-RC	50	3.3	5	11	2.0	.20	.10	.09	.08	
140-NPRL50V4.7-RC	50	4.7	5	11	2.0	.20	.10	.09	.08	
140-NPRL50V6.8-RC	50	6.8	6	11	2.5	.35	.26	.21	.15	
140-NPRL50V10-RC	50	10	8	11	3.5	.24	.12	.11	.10	
140-NPRL50V15-RC	50	15	8	15	3.5	.46	.34	.26	.20	
140-NPRL50V22-RC	50	22	8	11	3.5	.36	.18	.17	.15	
140-NPRL50V33-RC	50	33	8	13	3.5	.46	.23	.21	.19	
140-NPRL50V47-RC	50	47	10	16	5.0	.49	.33	.30	.27	
140-NPRL50V100-RC	50	100	10	20	5.0	.74	.49	.45	.41	
Axial Lead Type										
140-NPAL50V1.0-RC	50	1.0	6.3	12	- - -	.38	.28	.22	.16	Call for Quote
140-NPAL50V2.2-RC	50	2.2	6.3	12	- - -	.43	.31	.24	.18	
140-NPAL50V3.3-RC	50	3.3	6.3	12	- - -	.45	.33	.25	.20	
140-NPAL50V4.7-RC	50	4.7	6.3	12	- - -	.48	.35	.28	.21	
140-NPAL50V5.6-RC	50	5.6	6.3	12	- - -	.47	.42	.27	.20	
140-NPAL50V6.8-RC	50	6.8	6.3	12	- - -	.55	.49	.31	.24	
140-NPAL50V10-RC	50	10	6.3	12	- - -	.61	.44	.35	.26	
140-NPAL50V15-RC	50	15	8	13	- - -	.71	.53	.40	.31	
140-NPAL50V22-RC	50	22	8	16	- - -	.81	.58	.46	.35	
140-NPAL50V33-RC	50	33	8	16	- - -	.94	.70	.54	.41	
140-NPAL50V47-RC	50	47	10	17	- - -	1.09	.78	.62	.47	
140-NPAL50V68-RC	50	68	10	26	- - -	1.25	.93	.71	.55	
140-NPAL50V100-RC	50	100	10	21	- - -	1.45	1.04	.83	.62	

NON-POLAR AND BI-POLAR (CONT.)

MOUSER STOCK NO.	WVDC	Value (μF)	Dimensions: mm			Price Each				
			D	L	LS	1	100	500	1000	2000+
Axial Lead Type (cont.)										
140-NPAL100V1.0-RC	100	1.0	6.3	12	- - -	.47	.33	.26	.21	Call for Quote
140-NPAL100V2.2-RC	100	2.2	6.3	12	- - -	.56	.40	.31	.24	
140-NPAL100V3.3-RC	100	3.3	6.3	16	- - -	.69	.49	.38	.29	
140-NPAL100V4.7-RC	100	4.7	6.3	16	- - -	.74	.53	.40	.31	
140-NPAL100V6.8-RC	100	6.8	8	20	- - -	.77	.55	.47	.36	
140-NPAL100V10-RC	100	10	8	16	- - -	.79	.56	.53	.40	
140-NPAL100V15-RC	100	15	10	26	- - -	1.12	.79	.61	.47	
140-NPAL100V22-RC	100	22	10	22	- - -	1.30	.93	.71	.55	
140-NPAL100V33-RC	100	33	10	24	- - -	1.94	1.40	1.07	.83	
140-NPAL100V47-RC	100	47	10	30	- - -	2.79	2.15	1.66	1.28	
140-NPAL100V100-RC	100	100	16	28	- - -	4.43	3.40	2.62	2.01	
140-NPAL100V220-RC	100	220	16	37	- - -	5.95	4.96	4.13	3.44	

AUDIO FREQUENCY BI-POLARS

Specifications:

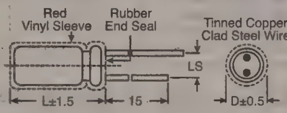
- Operating temperature range: -40°C to +85°C
- Tangent of the loss angle: 0.05 max. @ 120Hz
- Vinyl sleeve color: metallic blue
- Capacitance tolerance: ±20%
- Leakage current: 100μA max.

RoHS Compliant

MOUSER STOCK NO.	WVDC	Value (μF)	Dimensions: mm			Price Each				
			D	L	LS	1	100	500	1000	2000+
Radial Lead Type										
140-BPRL50V1.0-RC	50	1.0	8	11	3.5	.31	.16	.14	.13	Call for Quote
140-BPRL50V2.2-RC	50	2.2	10	13	5.0	.52	.35	.32	.29	
140-BPRL50V3.3-RC	50	3.3	10	16	5.0	.52	.35	.32	.29	
140-BPRL50V4.7-RC	50	4.7	10	20	5.0	.52	.35	.32	.29	
140-BPRL50V6.8-RC	50	6.8	13	21	5.0	.40	.33	.30	.28	
140-BPRL50V10-RC	50	10	13	26	5.0	.72	.48	.43	.39	
140-BPRL50V22-RC	50	22	16	27	7.5	1.26	.84	.76	.70	

HIGH FREQUENCY BI-POLARS

- Horizontal Deflection Circuit
- Operating temperature range: -25°C to +85°C
- Leakage current: I=0.2 CV (μA)
- Capacitance tolerance: ±20%
- Dissipation factor (20°C): 0.05 @ 120Hz



RoHS Compliant

DIMENSIONS: mm

MOUSER STOCK NO.	Value (μF)	Dimensions: mm			Ripple (Ip-p)		Price Each				
		D	L	LS	70°C	85°C	1	100	500	1000	2000+
140-BPHR50V1.0-RC	1.0	13	26	5.0	4	3.5	.79	.62	.57	.52	Call for Quote
140-BPHR50V3.3-RC	3.3	16	32	7.5	6.5	4.5	.99	.77	.69	.63	
140-BPHR50V4.7-RC	4.7	16	25	7.5	7.5	5	1.05	.82	.74	.67	
140-BPHR50V6.8-RC	6.8	16	36	7.5	8	5.5	1.13	.87	.79	.72	
140-BPHR50V8.2-RC	8.2	16	36	7.5	9.0	6.5	1.20	.92	.84	.76	
140-BPHR50V10-RC	10	16	36	7.5	10	7	1.29	1.08	.99	.89	

LOW ESR ELECTROLYTIC CAPACITORS

Features:

- High permissible ripple current
- Wide operating temperature range
- Suited for switching power supplies

Specifications:

- Operating temperature: -55°C to +105°C
- Life test: load life = 2000 hours
- Leakage current: 0.01CV or 3μA

5mm to 13mm Diameter available packaged in Tape and Box.
To order Tape and Box, add -TB to Mouser Stock No.

Application Note:

A higher voltage capacitor may be used in a lower voltage application.

RoHS Compliant

Dissipation factor (Tan δ, at 20°C 120 Hz)

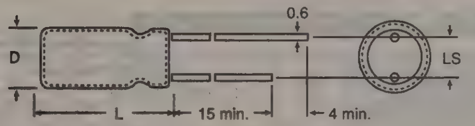
Rated voltage (V)	6.3	10	16	25	35	50	63	100
Tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.08	0.07

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Max. ESR Ω @ 20°C 100KHZ	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
				1	100	500	Qty.	Price Per Piece
16 Volt (20V Surge)								
140-ESRL16V100-RC	100	.70	6.3 x 11	.44	.23	.18	2000	.12
140-ESRL16V220-RC	220	.33	8 x 11.5	.50	.27	.22	1000	.18
140-ESRL16V330-RC	330	.23	10 x 12.5	.56	.30	.24	500	.24
140-ESRL16V470-RC	470	.18	10 x 16	.61	.32	.26	500	.26
140-ESRL16V1000-RC	1000	.11	13 x 20	.96	.54	.44	500	.44
140-ESRL16V2200-RC	2200	.073	13 x 26	1.58	.87	.68	500	.68
140-ESRL16V3300-RC	3300	.055	16 x 31.5	2.05	1.12	.87	—	—
140-ESRL16V4700-RC	4700	.046	16 x 35.5	2.75	1.40	1.16	—	—
25 Volt (32V Surge)								
140-ESRL25V33-RC	33	1.60	5 x 11	.28	.14	.12	2000	.078
140-ESRL25V47-RC	47	1.10	6.3 x 11	.34	.16	.14	2000	.091
140-ESRL25V100-RC	100	.49	8 x 11.5	.46	.21	.19	1000	.16
140-ESRL25V220-RC	220	.33	10 x 12.5	.57	.27	.24	500	.24
140-ESRL25V330-RC	330	.19	10 x 16	.62	.28	.26	500	.26
140-ESRL25V470-RC	470	.13	10 x 20	.86	.41	.37	500	.37
140-ESRL25V1000-RC	1000	.072	13 x 26	1.34	.63	.57	500	.57
50 Volt (63V Surge)								
140-ESRL50V4.7-RC	4.7	4.70	5 x 11	.24	.12	.099	2000	.063
140-ESRL50V10-RC	10	2.20	5 x 11	.24	.12	.099	2000	.066

LEAD SPACE CHART: mm

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Max. ESR Ω @ 20°C 100KHZ	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
				1	100	500	Qty.	Price Per Piece
50 Volt (63V Surge) Cont.								
140-ESRL50V22-RC	22	.98	6.3 x 11	.29	.14	.12	2000	.085
140-ESRL50V33-RC	33	.65	6.3 x 11	.45	.21	.19	2000	.13
140-ESRL50V47-RC	47	.45	6.3 x 11	.46	.21	.19	2000	.13
140-ESRL50V100-RC	100	.17	10 x 16	.62	.28	.26	500	.26
140-ESRL50V220-RC	220	.11	10 x 25	.84	.46	.36	500	.36
140-ESRL50V330-RC	330	.081	13 x 20	1.04	.62	.54	500	.54
140-ESRL50V470-RC	470	.066	13 x 26	1.35	.75	.58	500	.58
140-ESRL50V1000-RC	1000	.046	16 x 31.5	2.00	1.27	.85	---	---
100 Volt (100V Surge)								
140-ESRL100V1.0-RC	1.0	17.00	5 x 11	.24	.12	.099	2000	.063
140-ESRL100V2.2-RC	2.2	6.60	5 x 11	.24	.12	.099	2000	.063
140-ESRL100V4.7-RC	4.7	2.80	6.3 x 11	.29	.14	.12	2000	.085
140-ESRL100V10-RC	10	1.20	8 x 11.5	.46	.21	.19	1000	.16
140-ESRL100V22-RC	22	.55	8 x 11.5	.46	.21	.19	1000	.16
140-ESRL100V33-RC	33	.42	10 x 12.5	.57	.27	.24	500	.24
140-ESRL100V47-RC	47	.28	10 x 20	.62	.31	.27	500	.27
140-ESRL100V100-RC	100	.17	13 x 20	1.29	.60	.54	500	.54

XICON 5mm Height and Low Leakage Electrolytic Capacitors

RoHS Compliant **This page of product is compliant.**

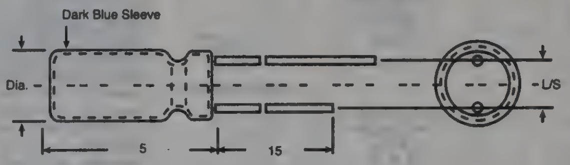
ULTRA MINIATURE ELECTROLYTIC CAPACITORS - 5MM HEIGHT

Cross Reference:
Marcon LSM, Panasonic: KS

Specifications:

- **Smallest leaded electrolytic available from stock**
- Operating temperature range: -40°C to +85°C
- Capacitance tolerance: ±20% (@ 20°C, 120Hz)
- Leakage current: I = 0.01 CV or 3 (μA), whichever is greater
- **Available in tape and box**

RoHS Compliant



LEAD SPACE CHART: mm

Dia	L/S
3	1.5
4	1.5
5	2.0
6	2.5
8	3.5

DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Diameter (mm)	Price Each			
			1	100	500	1000
6.3 Volt						
140-L6.3V47-RC	47	5	.16	.12	.085	.060
140-L6.3V100-RC	100	6	.18	.14	.110	.080
140-L6.3V220-RC	220	8	.18	.14	.090	.075
10 Volt						
140-L10V10-RC	10	3	.16	.12	.090	.065
140-L10V100-RC	100	6	.18	.14	.110	.080
140-L10V220-RC	220	8	.33	.25	.190	.140
16 Volt						
140-L16V4.7-RC	4.7	3	.12	.10	.080	.055
140-L16V10-RC	10	4	.12	.10	.080	.055
140-L16V22-RC	22	4	.16	.12	.090	.065
140-L16V33-RC	33	5	.18	.14	.110	.080
140-L16V47-RC	47	6	.18	.14	.110	.080
140-L16V100-RC	100	8	.32	.25	.190	.140
25 Volt						
140-L25V3.3-RC	3.3	3	.18	.14	.090	.075
140-L25V4.7-RC	4.7	4	.18	.14	.090	.075
140-L25V10-RC	10	5	.16	.12	.090	.065

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Diameter (mm)	Price Each			
			1	100	500	1000
25 Volt						
140-L25V22-RC	22	6	.18	.14	.110	.080
140-L25V47-RC	47	6	.18	.14	.110	.080
140-L25V100-RC	100	8	.18	.14	.110	.080
35 Volt						
140-L35V2.2-RC	2.2	3	.18	.14	.090	.075
140-L35V3.3-RC	3.3	4	.12	.10	.075	.055
140-L35V4.7-RC	4.7	4	.12	.10	.075	.055
140-L35V10-RC	10	5	.16	.12	.090	.065
140-L35V22-RC	22	6	.18	.14	.110	.080
140-L35V47-RC	47	8	.32	.25	.190	.140
50 Volt						
140-L50V.1-RC	0.1	3	.18	.14	.110	.080
140-L50V.33-RC	0.33	3	.18	.14	.110	.080
140-L50V.47-RC	0.47	3	.18	.14	.110	.080
140-L50V1.0-RC	1	3	.18	.14	.110	.080
140-L50V2.2-RC	2.2	4	.12	.10	.075	.055
140-L50V4.7-RC	4.7	5	.15	.11	.085	.060
140-L50V10-RC	10	6	.18	.14	.110	.080
140-L50V22-RC	22	6	.28	.22	.170	.110

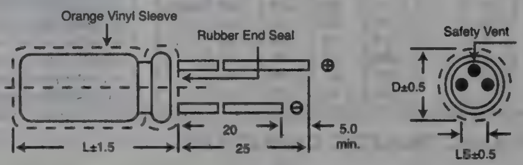
LOW LEAKAGE CURRENT ELECTROLYTICS

Electrical Specifications:

- DC leakage current: I=0.002CV or 0.4μA whichever is greater
- Operating temperature range: -40°C to +85°C
- Capacitance tolerance: ±20%
- Lead space for Tape and Box is 5.0mm

Application Note:
A higher voltage capacitor may be used in a lower voltage application.

RoHS Compliant



LEAD SPACE CHART: mm

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

To order Tape and Box, add -TB to Mouser Stock No.

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty/Reel	Price Per Piece
10 Volt (13V Surge)							
140-LLRL10V100-RC	100	5 x 11	.24	.12	.10	2000	.074
140-LLRL10V220-RC	220	6.3 x 11	.34	.17	.14	2000	.097
140-LLRL10V330-RC	330	8 x 11	.33	.22	.18	1000	.16
140-LLRL10V470-RC	470	8 x 11	.39	.26	.22	1000	.18
140-LLRL10V1000-RC	1000	10 x 16	.63	.42	.35	500	.35
140-LLRL10V2200-RC	2200	13 x 21	1.02	.77	.64	500	.64
16 Volt (20V Surge)							
140-LLRL16V10-RC	10	5 x 11	.22	.11	.09	2000	.058
140-LLRL16V22-RC	22	5 x 11	.20	.10	.08	2000	.058
140-LLRL16V33-RC	33	5 x 11	.20	.10	.08	2000	.058
140-LLRL16V47-RC	47	5 x 11	.24	.12	.10	2000	.064
140-LLRL16V100-RC	100	6.3 x 11	.34	.17	.14	2000	.097
140-LLRL16V220-RC	220	8 x 11	.35	.23	.19	1000	.16
140-LLRL16V470-RC	470	10 x 12	.49	.33	.28	500	.28
140-LLRL16V1000-RC	1000	10 x 20	.77	.52	.43	500	.43
140-LLRL16V3300-RC	3300	16 x 25	1.56	1.30	1.08	---	---
25 Volt (32V Surge)							
140-LLRL25V100-RC	100	6.3 x 11	.35	.18	.15	2000	.11
140-LLRL25V220-RC	220	8 x 11	.42	.28	.23	1000	.20
140-LLRL25V1000-RC	1000	13 x 20	1.05	.81	.67	500	.67
140-LLRL25V2200-RC	2200	16 x 25	1.67	1.34	1.12	---	---

* Standard lead space for tape and box package is 5.0 mm

To order Tape and Box, add -TB to Mouser Stock No.

DIMENSIONS: mm

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty/Reel	Price Per Piece
35 Volt (44V Surge)							
140-LLRL35V4.7-RC	4.7	5 x 11	.22	.11	.09	2000	.058
140-LLRL35V10-RC	10	5 x 11	.22	.11	.09	2000	.058
140-LLRL35V22-RC	22	5 x 11	.24	.12	.10	2000	.066
140-LLRL35V33-RC	33	5 x 11	.28	.14	.11	2000	.074
140-LLRL35V47-RC	47	6.3 x 11	.34	.17	.14	2000	.097
140-LLRL35V100-RC	100	8 x 11	.35	.23	.20	1000	.16
140-LLRL35V220-RC	220	10 x 12	.58	.38	.32	500	.32
140-LLRL35V470-RC	470	13 x 21	.81	.62	.52	500	.52
140-LLRL35V1000-RC	1000	13 x 25	1.18	.91	.75	500	.75
140-LLRL35V2200-RC	2200	16 x 32	2.23	1.71	1.55	---	---
50 Volt (63V Surge)							
140-LLRL50V0.47-RC	0.47	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V1.0-RC	1.0	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V2.2-RC	2.2	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V3.3-RC	3.3	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V4.7-RC	4.7	5 x 11	.22	.11	.09	2000	.058
140-LLRL50V10-RC	10	5 x 11	.24	.12	.10	2000	.066
140-LLRL50V22-RC	22	5 x 11	.32	.16	.13	2000	.089
140-LLRL50V47-RC	47	6.3 x 11	.38	.23	.19	2000	.13
140-LLRL50V100-RC	100	8 x 11	.64	.36	.24	1000	.20
140-LLRL50V470-RC	470	13 x 20	.97	.75	.62	500	.62
140-LLRL50V1000-RC	1000	16 x 25	1.95	1.63	1.36	---	---

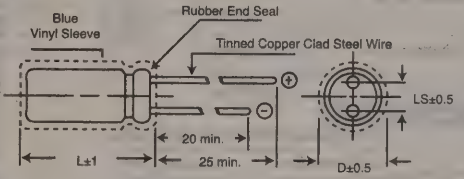
XICON 7mm Height Radial Electrolytic Capacitors

RoHS Compliant This page of product is compliant.

7MM HEIGHT 105°C RADIAL ELECTROLYTIC CAPACITORS

Specifications:
- Operating Temperature: -40°C to +105°C
- Tolerance ±20%
- Leakage Current: I = .01CV or 3uA whichever is greater
- Meets Tight Board Space Requirements.
- Can be used in place of expensive tantalum capacitors.

RoHS Compliant



LEAD SPACE CHART: mm

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
10 Volt						
140-MLRH10V33-RC	33	4	.29	.095	.068	.046
140-MLRH10V100-RC	100	6	.33	.120	.095	.064
140-MLRH10V220-RC	220	8	.44	.200	.132	.090
16 Volt						
140-MLRH16V10-RC	10	4	.29	.095	.068	.046
140-MLRH16V22-RC	22	4	.29	.095	.068	.046
140-MLRH16V47-RC	47	6	.33	.120	.095	.064
140-MLRH16V100-RC	100	6	.35	.140	.110	.072
25 Volt						
140-MLRH25V33-RC	33	6	.33	.120	.095	.064

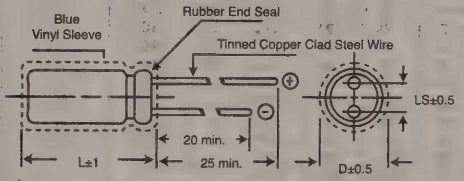
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
35 Volt						
140-MLRH35V4.7-RC	4.7	4	.29	.095	.068	.046
140-MLRH35V10-RC	10	5	.31	.110	.081	.054
50 Volt						
140-MLRH50V.1-RC	0.1	4	.29	.095	.068	.046
140-MLRH50V.33-RC	0.33	4	.29	.095	.068	.046
140-MLRH50V.47-RC	0.47	4	.29	.095	.068	.046
140-MLRH50V1.0-RC	1	4	.29	.095	.068	.046
140-MLRH50V2.2-RC	2.2	4	.29	.095	.068	.046
140-MLRH50V3.3-RC	3.3	4	.29	.095	.068	.046
140-MLRH50V4.7-RC	4.7	5	.31	.095	.068	.054
140-MLRH50V10-RC	10	6	.33	.120	.095	.064

7MM NON-POLAR RADIAL ELECTROLYTIC CAPACITORS

Specifications:
- For use in circuits that reverse in polarity or circuits to which short duration AC voltages are impressed.
- Meets Tight Board Space Requirements.
- Capacitance tolerance ±20%.
- Operating Temperature Range -40°C to +85°C.
- Leakage Current: I=.05CV or 10 uA whichever is greater.

RoHS Compliant



LEAD SPACE CHART: mm

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
10 Volt						
140-MLNP10V22-RC	22	4	.31	.22	.18	.13
140-MLNP10V33-RC	33	4	.33	.23	.19	.14
140-MLNP10V47-RC	47	5	.35	.27	.23	.18
16 Volt						
140-MLNP16V10-RC	10	4	.31	.22	.18	.13
140-MLNP16V22-RC	22	4	.33	.23	.19	.14
140-MLNP16V33-RC	33	5	.35	.27	.23	.18
35 Volt						
140-MLNP35V4.7-RC	4.7	4	.31	.22	.18	.13
140-MLNP35V10-RC	10	5	.35	.27	.23	.18
140-MLNP35V22-RC	22	6	.35	.27	.23	.18

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Diameter (mm)	Price Each			
			1	100	500	1000
50 Volt						
140-MLNP50V.1-RC	0.1	4	.30	.20	.16	.11
140-MLNP50V.22-RC	0.22	4	.30	.20	.16	.11
140-MLNP50V.33-RC	0.33	4	.30	.20	.16	.11
140-MLNP50V.47-RC	0.47	4	.30	.20	.16	.11
140-MLNP50V1.0-RC	1	4	.30	.20	.16	.11
140-MLNP50V2.2-RC	2.2	4	.30	.20	.16	.11
140-MLNP50V3.3-RC	3.3	4	.31	.22	.18	.13
140-MLNP50V4.7-RC	4.7	5	.33	.23	.19	.14
140-MLNP50V10-RC	10	6	.35	.27	.23	.18

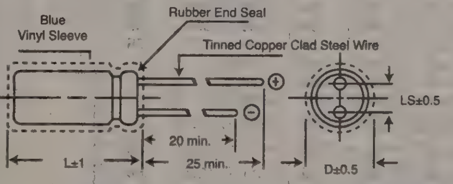
SUB MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS - 7MM HEIGHT

Specifications:
- Meets tight board space requirements
- Capacitance tolerance: ±20%
- Operating temperature range: -40°C to +85°C
- DC leakage current: (after 3 minutes application of DC working voltage at 25°C) I = 0.02CV +3µA max
- Replacement for expensive tantalum capacitors
- Lead space for Tape and Box is 5.0mm

Application Note:
A higher voltage capacitor may be used in a lower voltage application.

Cross Reference:
Panasonic: KA Series

RoHS Compliant



LEAD SPACE CHART: mm

Dia	L/S	Dia	L/S
4	1.5	13	5.0
5	2.0	16	7.5
6.3	2.5	18	7.5
8	3.5		
10	5.0	Tape	5.0

To order Tape and Box, add -TB to Mouser Stock No.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty/Reel	Price Per Piece
10 Volt (13V Surge)							
140-MLRL10V22-RC	22	4 x 7	.08	.062	.057	2000	.033
140-MLRL10V33-RC	33	4 x 7	.08	.062	.057	2000	.033
140-MLRL10V47-RC	47	5 x 7	.10	.074	.067	2000	.040
140-MLRL10V100-RC	100	6.3 x 7	.12	.087	.079	2000	.048
140-MLRL10V220-RC	220	8 x 7	.17	.120	.110	2000	.068
16 Volt (20V Surge)							
140-MLRL16V10-RC	10	4 x 7	.08	.062	.057	2000	.033
140-MLRL16V22-RC	22	4 x 7	.08	.062	.057	2000	.035
140-MLRL16V33-RC	33	5 x 7	.10	.074	.067	2000	.040
140-MLRL16V47-RC	47	6.3 x 7	.12	.087	.079	2000	.048
140-MLRL16V100-RC	100	6.3 x 7	.13	.099	.090	2000	.053
25 Volt (32V Surge)							
140-MLRL25V33-RC	33	6.3 x 7	.12	.087	.079	2000	.048

To order Tape and Box, add -TB to Mouser Stock No.

DIMENSIONS: mm

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Box	
			1	100	500	Qty/Reel	Price Per Piece
35 Volt (44V Surge)							
140-MLRL35V4.7-RC	4.7	4 x 7	.08	.062	.057	2000	.035
140-MLRL35V10-RC	10	5 x 7	.10	.074	.067	2000	.040
140-MLRL35V22-RC	22	6.3 x 7	.12	.087	.079	2000	.048
50 Volt (63V Surge)							
140-MLRL50V.1-RC	.1	4 x 7	.08	.062	.057	2000	.033
140-MLRL50V.22-RC	.22	4 x 7	.08	.062	.057	2000	.033
140-MLRL50V.33-RC	.33	4 x 7	.08	.062	.057	2000	.033
140-MLRL50V.47-RC	.47	4 x 7	.08	.062	.057	2000	.033
140-MLRL50V1.0-RC	1.0	4 x 7	.08	.062	.057	2000	.033
140-MLRL50V2.2-RC	2.2	4 x 7	.08	.062	.057	2000	.033
140-MLRL50V3.3-RC	3.3	4 x 7	.08	.062	.057	2000	.033
140-MLRL50V4.7-RC	4.7	5 x 7	.10	.074	.067	2000	.040
140-MLRL50V10-RC	10	6.3 x 7	.12	.087	.079	2000	.048

XICON 85°C Aluminum Electrolytic Capacitors

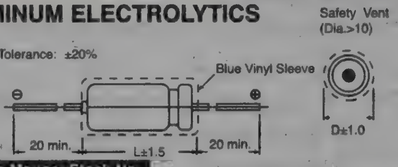
85°C AXIAL ALUMINUM ELECTROLYTICS

Specifications:

- Operating temperature range:
  10V to 250V: -40°C to +85°C
  350V to 450V: -25°C to +85°C
- Tolerance: ±20%

Application Note:

A higher voltage capacitor may be used in a lower voltage application.



To order Tape and Reel, add -TR to Mouser Stock No.

DIMENSIONS: mm

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Reel	
			1	100	500	Qty.	Price Per Piece
10 Volt							
140-XAL10V2.2-RC	2.2	5 x 12	.25	.15	.11	1200	.081
140-XAL10V100-RC	100	6 x 13	.28	.20	.15	1000	.13
140-XAL10V330-RC	330	8 x 16	.28	.20	.15	750	.15
140-XAL10V470-RC	470	8 x 16	.36	.25	.19	750	.20
140-XAL10V680-RC	680	10 x 17	.55	.40	.32	300	.32
140-XAL10V1000-RC	1000	10 x 17	.55	.40	.32	300	.40
140-XAL10V2200-RC	2200	13 x 22	.90	.59	.48	---	---
140-XAL10V3300-RC	3300	13 x 27	1.23	.86	.68	---	---
140-XAL10V4700-RC	4700	16 x 28	1.25	.88	.68	---	---
140-XAL10V6800-RC	6800	16 x 28	2.27	1.72	1.56	---	---
140-XAL10V10000-RC	10000	18 x 36	2.99	2.27	2.06	---	---
16 Volt							
140-XAL16V3.3-RC	3.3	5 x 12	.25	.15	.11	1200	.081
140-XAL16V10-RC	10	5 x 12	.25	.15	.11	1200	.081
140-XAL16V22-RC	22	5 x 12	.25	.15	.11	1200	.082
140-XAL16V33-RC	33	5 x 12	.25	.15	.11	1200	.082
140-XAL16V47-RC	47	6.3 x 13	.25	.15	.11	1000	.098
140-XAL16V100-RC	100	6.3 x 13	.29	.21	.16	1000	.14
140-XAL16V220-RC	220	8 x 13	.29	.21	.16	750	.16
140-XAL16V330-RC	330	8 x 16	.29	.21	.16	750	.16
140-XAL16V470-RC	470	8 x 16	.37	.26	.20	750	.20
140-XAL16V1000-RC	1000	10 x 21	.73	.51	.44	300	.51
140-XAL16V2200-RC	2200	13 x 22	.98	.67	.53	---	---
140-XAL16V3300-RC	3300	16 x 27	1.25	.88	.70	---	---
140-XAL16V4700-RC	4700	16 x 33	2.17	1.51	1.37	---	---
140-XAL16V6800-RC	6800	18 x 38	2.75	1.84	1.68	---	---
140-XAL16V10000-RC	10000	22 x 43	3.73	2.50	2.35	---	---
25 Volt							
140-XAL25V10-RC	10	5 x 12	.25	.15	.11	1200	.081
140-XAL25V22-RC	22	5 x 12	.25	.15	.11	1200	.082
140-XAL25V33-RC	33	6.3 x 13	.25	.15	.11	1000	.099
140-XAL25V47-RC	47	6.3 x 13	.28	.20	.15	1000	.13
140-XAL25V100-RC	100	8 x 13	.30	.22	.17	750	.17
140-XAL25V220-RC	220	8 x 16	.30	.22	.17	750	.17
140-XAL25V330-RC	330	10 x 17	.37	.26	.20	300	.26
140-XAL25V470-RC	470	10 x 17	.47	.35	.29	300	.35
140-XAL25V1000-RC	1000	13 x 22	.73	.51	.44	---	---
140-XAL25V2200-RC	2200	16 x 27	1.17	.82	.62	---	---
140-XAL25V3300-RC	3300	16 x 33	1.99	1.51	1.38	---	---
140-XAL25V4700-RC	4700	18 x 37	2.61	1.98	1.81	---	---
140-XAL25V6800-RC	6800	22 x 43	4.99	3.81	3.47	---	---
140-XAL25V10000-RC	10000	25 x 43	6.47	4.92	4.47	---	---
35 Volt							
140-XAL35V10-RC	10	5 x 12	.25	.15	.11	1200	.082
140-XAL35V33-RC	33	6.3 x 13	.25	.15	.11	1000	.11
140-XAL35V47-RC	47	6.3 x 13	.25	.15	.11	1000	.11
140-XAL35V100-RC	100	8 x 16	.29	.21	.16	750	.16
140-XAL35V220-RC	220	10 x 17	.37	.26	.20	300	.26
140-XAL35V330-RC	330	10 x 21	.47	.35	.29	300	.35
140-XAL35V470-RC	470	10 x 21	.54	.39	.30	300	.39
140-XAL35V1000-RC	1000	13 x 27	.93	.62	.51	---	---
140-XAL35V2200-RC	2200	16 x 33	1.98	1.50	1.36	---	---
140-XAL35V3300-RC	3300	16 x 37	3.59	2.41	2.19	---	---
140-XAL35V4700-RC	4700	22 x 43	5.13	3.54	3.22	---	---
50 Volt							
140-XAL50V.47-RC	47	5 x 12	.25	.15	.11	1200	.081
140-XAL50V1.0-RC	1.0	5 x 12	.25	.15	.11	1200	.081
140-XAL50V2.2-RC	2.2	5 x 12	.25	.15	.11	1200	.081
140-XAL50V3.3-RC	3.3	5 x 12	.25	.15	.11	1200	.081
140-XAL50V4.7-RC	4.7	5 x 12	.25	.15	.11	1200	.081
140-XAL50V6.8-RC	6.8	5 x 12	.25	.15	.11	1200	.098

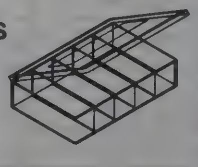
RoHS Compliant

To order Tape and Reel, add -TR to Mouser Stock No.

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Case Size D x L (mm) Max.	Bulk Price Each			Tape and Reel	
			1	100	500	Qty.	Price Per Piece
50 Volt (cont.)							
140-XAL50V10-RC	10	5 x 12	.25	.15	.11	1000	.098
140-XAL50V22-RC	22	6.3 x 13	.25	.15	.11	1000	.10
140-XAL50V33-RC	33	6.3 x 13	.25	.15	.11	1000	.11
140-XAL50V47-RC	47	8 x 13	.25	.15	.11	750	.11
140-XAL50V100-RC	100	10 x 17	.30	.22	.17	300	.22
140-XAL50V220-RC	220	10 x 21	.47	.35	.29	300	.35
140-XAL50V330-RC	330	13 x 22	.54	.42	.36	---	---
140-XAL50V470-RC	470	13 x 22	.75	.53	.47	---	---
140-XAL50V680-RC	680	16 x 28	.91	.60	.49	---	---
140-XAL50V1000-RC	1000	16 x 33	1.19	.85	.67	---	---
140-XAL50V2200-RC	2200	18 x 40	2.67	2.03	1.85	---	---
140-XAL50V3300-RC	3300	22 x 43	4.51	3.43	3.12	---	---
140-XAL50V4700-RC	4700	25 x 52	5.99	4.58	4.16	---	---
63 Volt							
140-XAL63V2.2-RC	2.2	5 x 12	.25	.15	.11	1200	.081
140-XAL63V6.8-RC	6.8	6 x 13	.25	.15	.11	---	---
140-XAL63V100-RC	100	10 x 21	.40	.27	.23	300	.27
140-XAL63V220-RC	220	13 x 22	.59	.43	.36	---	---
140-XAL63V470-RC	470	13 x 27	.82	.58	.47	---	---
100 Volt							
140-XAL100V1.0-RC	1.0	5 x 12	.25	.15	.11	1200	.082
140-XAL100V2.2-RC	2.2	5 x 12	.25	.15	.11	1200	.082
140-XAL100V3.3-RC	3.3	5 x 12	.25	.15	.11	1200	.085
140-XAL100V4.7-RC	4.7	6.3 x 13	.25	.15	.11	1000	.099
140-XAL100V10-RC	10	8 x 16	.25	.15	.11	750	.11
140-XAL100V22-RC	22	8 x 16	.30	.22	.17	750	.17
140-XAL100V33-RC	33	10 x 17	.37	.26	.20	300	.26
140-XAL100V47-RC	47	10 x 21	.37	.26	.20	300	.26
140-XAL100V100-RC	100	13 x 22	.91	.60	.49	---	---
140-XAL100V220-RC	220	16 x 27	1.86	1.25	1.14	---	---
140-XAL100V470-RC	470	16 x 37	2.36	1.77	1.63	---	---
160 Volt							
140-XAL160V1.0-RC	1.0	6.3 x 12	.36	.27	.25	1000	.21
140-XAL160V2.2-RC	2.2	6.3 x 12	.40	.30	.27	1000	.22
140-XAL160V3.3-RC	3.3	8 x 16	.45	.34	.31	750	.25
140-XAL160V10-RC	10	10 x 17	.55	.40	.30	300	.40
140-XAL160V22-RC	22	10 x 21	.86	.65	.59	---	---
140-XAL160V47-RC	47	13 x 27	1.12	.86	.78	---	---
140-XAL160V100-RC	100	16 x 33	1.93	1.46	1.33	---	---
140-XAL160V220-RC	220	18 x 42	2.85	2.16	1.96	---	---
250 Volt							
140-XAL250V1.0-RC	1.0	8 x 12	.51	.31	.28	750	.28
140-XAL250V2.2-RC	2.2	8 x 12	.60	.36	.33	750	.33
140-XAL250V3.3-RC	3.3	8 x 16	.66	.40	.37	750	.37
140-XAL250V4.7-RC	4.7	8 x 16	.73	.44	.39	300	.39
140-XAL250V10-RC	10	10 x 17	.79	.55	.50	300	.55
140-XAL250V22-RC	22	13 x 21	1.19	.92	.83	---	---
140-XAL250V33-RC	33	16 x 27	1.36	1.03	.94	---	---
140-XAL250V47-RC	47	16 x 33	1.74	1.32	1.20	---	---
140-XAL250V100-RC	100	18 x 43	3.14	2.38	2.16	---	---
350 Volt							
140-XAL350V4.7-RC	4.7	10 x 21	.84	.59	.54	300	.59
140-XAL350V22-RC	22	13 x 32	1.40	1.06	.97	---	---
140-XAL350V33-RC	33	16 x 33	2.06	1.56	1.41	---	---
140-XAL350V47-RC	47	16 x 42	2.65	2.01	1.83	---	---
140-XAL350V100-RC	100	18 x 40	4.61	3.49	3.18	---	---
450 Volt							
140-XAL450V1.0-RC	1.0	8 x 16	.69	.42	.38	750	.38
140-XAL450V2.2-RC	2.2	10 x 17	.75	.50	.45	300	.50
140-XAL450V3.3-RC	3.3	10 x 21	.83	.58	.53	300	.58
140-XAL450V4.7-RC	4.7	10 x 21	.96	.67	.61	---	---
140-XAL450V10-RC	10	13 x 27	1.29	.99	.90	---	---
140-XAL450V22-RC	22	16 x 37	2.10	1.59	1.44	---	---
140-XAL450V33-RC	33	16 x 31	2.94	2.23	2.03	---	---
140-XAL450V47-RC	47	18 x 36	3.46	2.62	2.38	---	---
140-XAL450V100-RC	100	25 x 52	6.27	4.75	4.32	---	---

85°C AXIAL & RADIAL MINIATURE ALUMINUM ELECTROLYTIC CAPACITOR KITS



- ±20%
- 25VDC - 50VDC
- -40°C to +85°C
- Fully assembled and keyed for easy use
- Design Kits for engineers
- Reorder individual parts as needed by using Part Number Key in box lid

RoHS Compliant

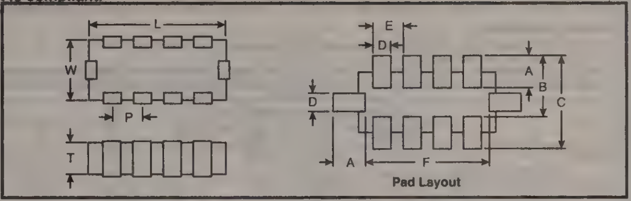
MOUSER STOCK NO.	Description	Range of Values	Pieces in Each Kit	Contains (µF)	Price Each
370-140XAL-1-RC	Axial lead	.47µF-1000µF	80	**10 each:** .47, 1.0 (50V), **5 each:** 2.2, 3.3, 4.7, 10, 22, 220, (50VDC), 33, 470, (35VDC), 47, 100, 330, 1000, (25VDC)	29.95
370-140XAL-2-RC	Axial lead	220µF-4700µF	25	**5 each:** 220 (50V), 330 (25VDC), **3 each:** 470 (35VDC), 1000 (25VDC), 1000 (50VDC), **2 each:** 2200, 3300, 4700 (35VDC)	29.95
370-140XRL-1-RC	Radial lead	1µF-1000µF	80	**10 each:** 1, 2.2, 4.7, 22 (50V), **10 each:** 10, 47 (35V) **5 each:** 100, 470, 1000 (25V), 220 (35V)	29.95

AVX Feedthru 0805/1206 Capacitors

RoHS Compliant **This page of product is compliant.**

W3F4 SERIES: 4 ELEMENT 1206 FEEDTHRU ARRAY

The Feedthru Capacitor Array contains four elements with a common ground connection. This makes them an ideal choice for Multi-line designs needing EMI suppression, broadband I/O filtering or Vcc power line conditioning. Additional benefits are reduced component count and PCB space savings. The unique construction provides low parallel inductance and offers excellent decoupling capability for all high di/dt environments. It provides significant noise reduction in digital circuits to <5 GHz.

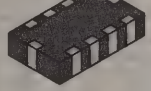


Pad Layout

Specifications :

- Capacitance Tolerance: +50%, -20%
- Current Rating 300mA:
- Insulation Resistance: 1000MΩ
- DC Resistance: <0.6Ω
- Operating Temperature Range: -55 to +125°C

RoHS Compliant



DIMENSIONS: mm (in.)

Case	L	W	T	P
1206	3.25±0.15 (0.128±.006)	1.6±0.2 (0.063±.008)	1.22 max. (.048 max.)	0.76 ref. (.030 ref.)
0805	2.10±0.15 (0.083±.006)	1.30±0.2 (.051±.006)	1.02 max. (.040 max.)	.50 ref. (.020 ref.)

MOUSER STOCK NO.	AVX Part Number	Typical Cap. (pF)	Voltage Rating (V)	Dielectric	Roll Off Freq. (MHz)	Center Freq. (MHz)	10dB Point (MHz)	20dB Range (MHz)		Price Each				
								Min Freq.	Max Freq.	1	25	100	500	1000
581-W3F41A2208AT1F	W3F41A2208AT1F	22	100	C0G (NP0)	270	2640	970	1780	3500	1.88	1.50	1.13	.75	.68
581-W3F41A4708AT1F	W3F41A4708AT1F	47	100	C0G (NP0)	65	2000	185	600	3400	1.88	1.50	1.13	.75	.68
581-W3F41A1018AT1F	W3F41A1018AT1F	100	100	C0G (NP0)	65	2030	185	560	3500	1.88	1.50	1.13	.75	.68
581-W3F45C2218AT1F	W3F45C2218AT1F	220	50	X7R	35	1885	120	470	3300	1.88	1.50	1.13	.75	.68
581-W3F45C4718AT1F	W3F45C4718AT1F	470	50	X7R	20	1860	60	220	3500	1.88	1.50	1.13	.75	.68

W2F4 SERIES 4 ELEMENT 0805 FEEDTHRU ARRAY

MOUSER STOCK NO.	AVX Part Number	Typical Cap. (pF)	Voltage Rating (V)	Dielectric	Roll Off Freq. (MHz)	Center Freq. (MHz)	10dB Point (MHz)	20dB Range (MHz)		Price Each				
								Min Freq.	Max Freq.	1	25	100	500	1000
581-W2F43A2208AT1F	W2F43A2208AT1F	22	25	C0G (NP0)	208	4750	616	1407	7300	1.11	.93	.83	.74	.65
581-W2F43A4708AT1F	W2F43A4708AT1F	47	25	C0G (NP0)	110	2750	330	900	4600	1.11	.93	.83	.74	.65
581-W2F43A1018AT1F	W2F43A1018AT1F	100	25	C0G (NP0)	60	1300	179	501	7200	1.11	.93	.83	.74	.65

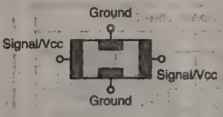
W2H/W3H SERIES HIGH CURRENT FEEDTHRU CAPACITORS

High current feedthru capacitors are designed as a broadband EMI filter that is specially designed to have high current handling capability. These SMT feedthru filters offer an optimized frequency response with high attenuation across a wide RF spectrum due to optimized parallel and series inductances.

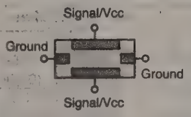
Applications:

- Power Amplifier (PA) Decoupling
- DC/DC converters
- Power Supervisory Circuits
- Digital to RF Block Filtering
- Telecom
- LCD Displays
- Charge Pump Converters

RoHS Compliant

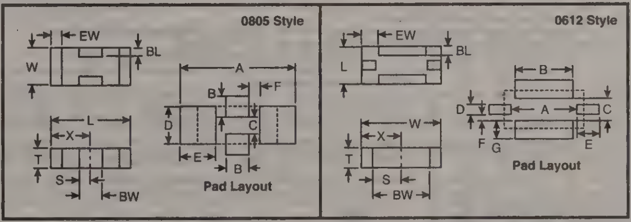


W2H1 - 0805 Style



W3H1 - 0612 Style

DIMENSIONS: mm (in.)



Key Features/Benefits:

- SMD Device
- Broadband filtering
- Operates at frequencies up to 5GHz
- Attenuation of >30dB

Case	L	W	T	BW	BL	ES	EW	X	S
0805	2.01 ±0.20 (.079 ±.008)	1.25 ±0.20 (.049 ±.008)	1.14 max. (.045 max.)	0.46 ±0.10 (.018 ±.004)	0.18 + 0.25 -0.08 (.007 +.010 -.003)	- - - - - -	0.25 ±0.13 (.010 ±.005)	1.02 ±0.10 (.040 ±.004)	0.23 ±0.05 (.009 ±.002)
0612	1.60 ±0.20 (.063 ±.008)	3.20 ±0.20 (.126 ±.008)	1.22 max. (.048 max.)	2.80 ±.127 (.110 ±.005)	0.18 +0.25 -0.08 .007 +.010 -.003)	0.41 ±0.10 (.016 ±.004)	0.41 ±0.10 (.016 ±.004)	1.60 ±0.10 (.063 ±.004)	1.40 ±0.07 (.055 ±.003)

Pad Layout Dimensions

Case	A	B	C	D	E	F	G
0805	3.45 (.136)	0.51 (.020)	0.76 (.030)	1.27 (.050)	1.02 (.040)	0.46 (.018)	- - -
0612	2.54 (.100)	3.05 (.120)	1.12 (.044)	.460 (.018)	.610 (.024)	.330 (.013)	.710 (.028)

0805

MOUSER STOCK NO.	AVX Part Number	Typical Capacitance (pF)	Voltage Rating (V)	Dielectric	Current (A)	Tol. ±	Price Each				
							1	25	100	500	1000
581-W2H13C1048AT1F	W2H13C1048AT1F	100000	25	X7R	2	+50%-20%	1.11	.88	.66	.60	.55
581-W2H15C4738AT1F	W2H15C4738AT1F	47000	50	X7R	2	+50%-20%	1.11	.88	.66	.60	.55
581-W2H15C2238AT1F	W2H15C2238AT1F	22000	50	X7R	1	+50%-20%	1.11	.88	.66	.60	.55
581-W2H15C1038AT1F	W2H15C1038AT1F	10000	50	X7R	1	+50%-20%	1.11	.88	.66	.60	.55
581-W2H15C1028AT1F	W2H15C1028AT1F	1000	50	X7R	1	+50%-20%	1.11	.88	.66	.60	.55
581-W2H11A4718AT1F	W2H11A4718AT1F	470	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	.41
581-W2H11A2218AT1F	W2H11A2218AT1F	220	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	.41
581-W2H11A1018AT1F	W2H11A1018AT1F	100	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	.41
581-W2H11A4708AT1F	W2H11A4708AT1F	47	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	.41
581-W2H11A2208AT1F	W2H11A2208AT1F	22	100	C0G (NPO)	0.5	+50%-20%	.68	.61	.54	.47	.41

0612

MOUSER STOCK NO.	AVX Part Number	Typical Capacitance (pF)	Voltage Rating (V)	Dielectric	Current (A)	Tol. ±	Price Each				
							1	25	100	500	1000
581-W3H13C1048AT1F	W3H13C1048AT1F	100000	25	X7R	up to 5	+50%-20%	.68	.61	.54	.47	.41
581-W3H15C4738AT1F	W3H15C4738AT1F	47000	50	X7R	up to 5	+50%-20%	.88	.77	.66	.55	.44
581-W3H15C2238AT1F	W3H15C2238AT1F	22000	50	X7R	up to 4	+50%-20%	.68	.61	.54	.47	.41
581-W3H15C1038AT1F	W3H15C1038AT1F	10000	50	X7R	up to 3	+50%-20%	.68	.61	.54	.47	.41
581-W3H11A4718AT1F	W3H11A4718AT1F	470	100	C0G (NPO)	up to 4	+50%-20%	.68	.61	.54	.47	.41
581-W3H11A2218AT1F	W3H11A2218AT1F	220	100	C0G (NPO)	up to 4	+50%-20%	.68	.61	.54	.47	.41
581-W3H11A1018AT1F	W3H11A1018AT1F	100	100	C0G (NPO)	up to 4	+50%-20%	.68	.61	.54	.47	.41
581-W3H11A4708AT1F	W3H11A4708AT1F	47	100	C0G (NPO)	up to 3	+50%-20%	.68	.61	.54	.47	.41
581-W3H11A2208AT1F	W3H11A2208AT1F	22	100	C0G (NPO)	up to 3	+50%-20%	.68	.61	.54	.47	.41

AVX Ceramic Chip Capacitors

AVX W2F / W3F SERIES FEEDTHRU 0805 / 1206 CAPACITORS

General Description:

- AVX's line of feedthru capacitors are ideal choices for EMI suppression, broadband I/O filtering, or Vcc power line conditioning.
- The unique construction of a feedthru capacitor provides low parallel inductance and offers excellent decoupling capability for all high di/dt environments and provides significant noise reduction in digital circuits to <5GHz.

Specifications:

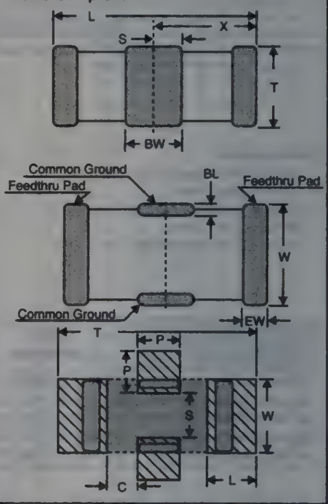
- Current Rating: 300mA
- Insulation Resistance: 1000MΩ
- DC Resistance: <0.6Ω
- Operating Temperature Range: -55°C to +125°C

	Chip Dimensions: mm (in.)								Pad Layout Dimensions: mm (in.)					
	L	W	T Max.	BW	BL	EW	X	S	T	P	S	W	L	C
0805	2.01 (0.079)	1.25 (0.049)	1.14 (0.045)	0.46 (0.018)	0.18 (0.007)	0.25 (0.010)	1.02 (0.040)	0.23 (0.009)	3.45 (0.136)	0.51 (0.020)	0.76 (0.030)	1.27 (0.050)	1.02 (0.040)	0.46 (0.018)
1206	3.20 (0.126)	1.60 (0.063)	1.27 (0.050)	0.89 (0.035)	0.18 (0.007)	0.38 (0.015)	1.60 (0.063)	0.46 (0.018)	4.54 (0.179)	0.94 (0.037)	1.02 (0.040)	1.65 (0.065)	1.09 (0.043)	0.71 (0.028)

MOUSER STOCK NO.	AVX Part No.	Dielectric	Value (μF)	Voltage	Price Each			1000 pcs Reel Price Per Piece
					1	25	100	
Style 0805								
581-W2F11A2208AT1F	W2F11A2208AT1F	NP0	22	100	1.07	.71	.64	.36
581-W2F11A4708AT1F	W2F11A4708AT1F	NP0	47	100	1.07	.71	.64	.36
581-W2F11A1018AT1F	W2F11A1018AT1F	NP0	100	100	1.07	.71	.64	.36
581-W2F11A2218AT1F	W2F11A2218AT1F	NP0	220	100	1.07	.71	.64	.36
581-W2F11A4718AT1F	W2F11A4718AT1F	NP0	470	100	1.07	.71	.64	.36
581-W2F15C1028AT1F	W2F15C1028AT1F	X7R	1000	50	1.12	.74	.67	.38
581-W2F15C2228AT1F	W2F15C2228AT1F	X7R	2200	50	1.12	.74	.67	.38
581-W2F15C4728AT1F	W2F15C4728AT1F	X7R	4700	50	1.12	.74	.67	.38
581-W2F15C1038AT1F	W2F15C1038AT1F	X7R	.01μF	50	1.12	.75	.66	.38
581-W2F15C2238AT1F	W2F15C2238AT1F	X7R	.022μF	50	1.12	.74	.67	.38
581-W2F15C4738AT1F	W2F15C4738AT1F	X7R	.047μF	50	1.12	.74	.67	.38
Style 1206								
581-W3F11A2208AT1F	W3F11A2208AT1F	NP0	22	100	1.10	.73	.66	.37
581-W3F11A4708AT1F	W3F11A4708AT1F	NP0	47	100	1.10	.73	.66	.37
581-W3F11A1018AT1F	W3F11A1018AT1F	NP0	100	100	1.10	.73	.66	.37
581-W3F11A2218AT1F	W3F11A2218AT1F	NP0	220	100	1.10	.73	.66	.37
581-W3F11A4718AT1F	W3F11A4718AT1F	NP0	470	100	1.10	.73	.66	.37
581-W3F15C1028AT1F	W3F15C1028AT1F	X7R	1000	50	1.15	.76	.69	.39
581-W3F15C2228AT1F	W3F15C2228AT1F	X7R	2200	50	1.15	.76	.69	.39
581-W3F15C4728AT1F	W3F15C4728AT1F	X7R	4700	50	1.57	1.04	.94	.53
581-W3F15C1038AT1F	W3F15C1038AT1F	X7R	.01μF	50	1.57	1.04	.94	.53
581-W3F15C2238AT1F	W3F15C2238AT1F	X7R	.022μF	50	1.15	.76	.69	.39
581-W3F15C4738AT1F	W3F15C4738AT1F	X7R	.047μF	50	1.58	1.05	.95	.24

RoHS Compliant

W2F/W3F Series FeedThru 0805/1206 Capacitors



AVX SMD LOW INDUCTANCE CAPACITORS IDC (INTERDIGITATED CAPACITORS)

General Description:

- Very low equivalent series inductance (ESL), high speed decoupling capacitor in 0612 and 0508 case size.
- Measured inductances of 60pH (for 0612) and 50pH (for 0508) are the lowest in the FR4 mountable device family.
- Opposing current flow creates opposing magnetic fields. This causes the fields to cancel, effectively reducing the equivalent series inductance.
- Perfect solution for decoupling high speed microprocessors by allowing the engineers to lower the power delivery inductance of the entire system through the use of eight vias.
- Overall reduction in decoupling components due to very low series inductance and high capacitance.

Specifications:

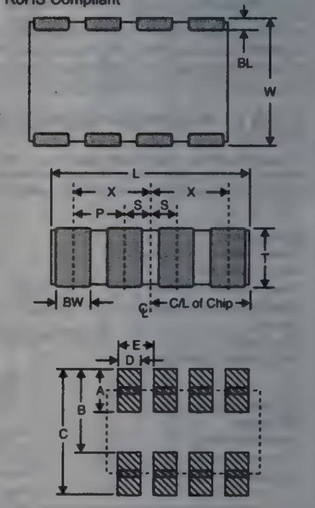
- Capacitance Tolerance: ±20% Preferred (10% Available)
- Operating Temperature Range: X7R= -55°C to +125°C, X5R= -55°C to +85°C
- Temperature Coefficient: ±15% (0VDC)
- Dissipation Factor: 4V, 6.3V = 6.5% max; 10V = 5.0% max; 16V = 3.5% max , or 1,000MΩ per μF min., whichever is less
- Dielectric Strength: No problems observed after 2.5 x RVDC for 5 seconds at 50mA max current
- CTE (ppm/C): 12.0

	Chip Dimensions: mm (in.)								Pad Layout Dimensions: mm (in.)				
	L	W	T Max.	BW	BL	P (Ref.)	X	S	A	B	C	D	E
0612	3.20 (0.126)	1.60 (0.063)	1.22 (0.048)	0.41 (0.016)	0.18 (0.007)	0.80 (0.031)	1.14 (0.045)	0.38 (0.015)	0.89 (0.035)	1.65 (0.065)	2.54 (0.100)	0.46 (0.018)	0.80 (0.031)
0508	2.03 (0.080)	1.27 (0.050)	0.965 (0.038)	0.254 (0.010)	0.18 (0.007)	0.50 (0.020)	0.76 (0.030)	0.254 (0.010)	0.64 (0.025)	1.27 (0.050)	1.91 (0.075)	0.28 (0.011)	0.50 (0.020)

MOUSER STOCK NO.	AVX Part No.	Dielectric	Value (μF)	Voltage	Price Each				Reel Qty.	Price Per Piece
					1	25	100	500		
Style 0805										
581-W2L1ZC104MAT1S	W2L1ZC104MAT1S	X7R	0.10	10V	1.98	1.32	.99	.83	4,000	.66
581-W2L1YC104MAT1A	W2L1YC104MAT1A	X7R	0.10	16V	1.98	1.32	.99	.83	4,000	.66
581-W2L16C224MAT1S	W2L16C224MAT1S	X7R	0.22	6.3V	1.98	1.32	.99	.83	4,000	.66
581-W2L1ZC474MAT1A	W2L1ZC474MAT1A	X7R	0.47	10V	2.10	1.40	1.05	.88	4,000	.70
581-W2L1ZD474MAT1S	W2L1ZD474MAT1S	X5R	0.47	10V	2.10	1.40	1.05	.88	4,000	.70
581-W2L14D684MAT1S	W2L14D684MAT1S	X5R	0.68	4.0V	2.10	1.40	1.05	.88	4,000	.70
581-W2L14C105MAT1A	W2L14C105MAT1A	X7R	1.0	4.0V	2.34	1.56	1.17	.98	4,000	.78
581-W2L16D105MAT1A	W2L16D105MAT1A	X5R	1.0	6.3V	2.40	1.60	1.20	1.00	4,000	.80
581-W2L14D155MAT1A	W2L14D155MAT1A	X5R	1.5	4.0V	2.10	1.40	1.05	.88	4,000	.70
Style 0612										
581-W3L1YC104MAT1S	W3L1YC104MAT1S	X7R	0.10	16V	2.10	1.40	1.05	.88	4,000	.70
581-W3L1YC224MAT1S	W3L1YC224MAT1S	X7R	0.22	16V	2.10	1.40	1.05	.88	4,000	.53
581-W3L16C474MAT1S	W3L16C474MAT1S	X7R	0.47	6.3V	2.23	1.49	1.12	.93	4,000	.75
581-W3L1YC474MAT1A	W3L1YC474MAT1A	X7R	0.47	16V	2.23	1.49	1.12	.93	4,000	.75
581-W3L1ZC105MAT1A	W3L1ZC105MAT1A	X7R	1.0	10V	2.52	1.68	1.26	1.05	4,000	.84
581-W3L14C105MAT1S	W3L14C105MAT1S	X7R	1.0	4V	2.52	1.68	1.26	1.05	4,000	.84
581-W3L1YC105MAT1A	W3L1YC105MAT1A	X7R	1.0	16V	2.52	1.68	1.26	1.05	2,000	.84
581-W3L16C225MAT1A	W3L16C225MAT1A	X7R	2.2	6.3V	2.70	1.80	1.35	1.13	2,000	.90
581-W3L14C225MAT1A	W3L14C225MAT1A	X7R	2.2	4.0V	2.70	1.80	1.35	1.13	2,000	.90
581-W3L16D225MAT1A	W3L16D225MAT1A	X5R	2.2	6.3V	2.70	1.80	1.35	1.13	4,000	.90
581-W3L14D335MAT1A	W3L14D335MAT1A	X5R	3.3	4.0V	2.70	1.80	1.35	1.13	4,000	.90

RoHS Compliant

SMD Low Inductance Capacitors IDC (Interdigitated Capacitors)



AVX LOW INDUCTANCE LGA CAPACITORS

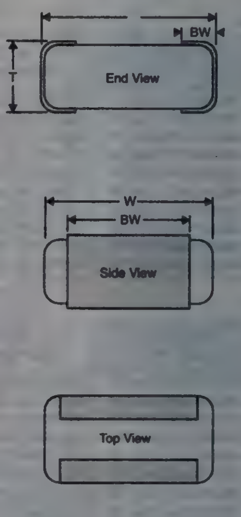
AVX has introduced a revolutionary new capacitor for low inductance LGA (land grid array) capacitors have virtually the equivalent high frequency performance of 8-terminal ICD's (Inter-Digitated Capacitors) but are built in a simplified 2 terminal package. This provide for lower manufacturing cost and easier handling and design. LGA are ideal for decoupling in semiconductor package-level and board-level applications.

NEW FROM SUPPLIER

	Chip Dimensions: mm (in.)				
	L	W	T Max.	BW	BL
0204	0.5 (19.5)	1.00 (40.0)	0.50 (19.5)	0.8 (31.0)	0.13 (5.00)
0306	0.76 (30.0)	1.60 (63.0)	0.50 (19.5)	1.50 (59.0)	0.28 (11.0)

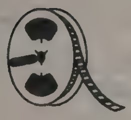
MOUSER STOCK NO.	AVX Part No.	Dielectric	Value (μF)	Voltage	Price Each						Reel Qty.	Price Per Piece
					1	50	100	500	1000	10000		
0204												
581-LG126D104MAT2S1	LG126D104MAT2S1	X5R	0.1	6.3	3.84	3.52	2.08	1.12	.80	.43	10000	.42
581-LG126Z104MAT2S1	LG126Z104MAT2S1	X7S	0.1	6.3	3.84	3.52	2.72	2.08	1.12	.54	4000	.45
0306												
581-LG224Z334MAT2S1	LG224Z334MAT2S1	X7S	0.33	4	3.12	2.86	2.21	1.69	.91	.44	4000	.36
581-LG224Z474MAT2S1	LG224Z474MAT2S1	X7S	0.47	4	3.12	2.86	2.21	1.69	.91	.44	4000	.36
581-LG226C103MAT2S1	LG226C103MAT2S1	X7R	0.01	6.3	3.12	2.86	2.21	1.69	.91	.44	4000	.36
581-LG226C104MAT2S1	LG226C104MAT2S1	X7R	0.1	6.3	2.86	2.25	1.69	.97	.67	.44	4000	.36

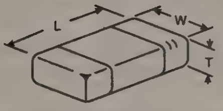
Low Inductance LGA Capacitors



AVX Automotive MLCC

RoHS Compliant





Style 0603

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Tol. ± %	Price Each				Reel Qty	Price Per Piece
						1	100	500	1000		
581-06035A100J4	06035A100J4T2A	C0G	10	50	5	.16	.13	.10	.08	4000	.06
581-06035A220J4	06035A220J4T2A	C0G	22	50	5	.16	.13	.10	.08	4000	.06
581-06035A330J4	06035A330J4T2A	C0G	33	50	5	.41	.25	.21	.15	4000	.13
581-06035A470J4	06035A470J4T2A	C0G	47	50	5	.16	.13	.10	.08	4000	.06
581-06035A680J4	06035A680J4T2A	C0G	68	50	5	.16	.13	.10	.08	4000	.06
581-06035A101J4	06035A101J4T2A	C0G	100	50	5	.16	.13	.10	.08	4000	.06
581-06035A221J4	06035A221J4T2A	C0G	220	50	5	.16	.13	.10	.08	4000	.06
581-06035A331J4	06035A331J4T2A	C0G	330	50	5	.16	.13	.10	.08	4000	.06
581-06035A471J4	06035A471J4T2A	C0G	470	50	5	.24	.19	.14	.12	4000	.08
581-06035C102K4	06035C102K4T2A	X7R	1000	50	10	.22	.18	.13	.11	4000	.08
581-06035C222K4	06035C222K4T2A	X7R	2200	50	10	.22	.18	.13	.11	4000	.08
581-06035C332K4	06035C332K4T2A	X7R	3300	50	10	.22	.18	.13	.11	4000	.08
581-06035C472K4	06035C472K4T2A	X7R	4700	50	10	.22	.18	.13	.11	4000	.08
581-06035C682K4	06035C682K4T2A	X7R	6800	50	10	.17	.14	.10	.08	4000	.06
581-06035C103K4	06035C103K4T2A	X7R	10000	50	10	.30	.25	.18	.15	4000	.10
581-06035C223K4	06035C223K4T2A	X7R	22000	50	10	.24	.19	.14	.12	4000	.08
581-06035C333K4	06035C333K4T2A	X7R	33000	50	10	.24	.19	.14	.12	4000	.08
581-06035C473K4	06035C473K4T2A	X7R	47000	50	10	.27	.22	.16	.14	4000	.10
581-0603YC683K4	0603YC683K4T2A	X7R	68000	16	10	.40	.33	.24	.20	4000	.14
581-06033C104K4	06033C104K4T2A	X7R	0.1µF	25	10	.38	.31	.23	.19	4000	.13
581-06035C104K4	06035C104K4T2A	X7R	0.1µF	50	10	.38	.31	.23	.19	4000	.13
581-0603YC104K4	0603YC104K4T2A	X7R	0.1µF	16	10	.40	.33	.24	.20	4000	.14
581-06035F102K4	06035F102K4T2A	X8R	1000	50	10	.16	.13	.10	.08	4000	.06
581-06035F332K4	06035F332K4T2A	X8R	3300	50	10	.21	.17	.13	.10	4000	.07
581-06035F472K4	06035F472K4T2A	X8R	4700	50	10	.21	.17	.13	.105	4000	.07
581-06035F103K4	06035F103K4T2A	X8R	10000	50	10	.16	.15	.123	.071	4000	.049
581-06035F223K4	06035F223K4T2A	X8R	22000	50	10	.31	.26	.19	.15	4000	.10
581-06035F333K4	06035F333K4T2A	X8R	33000	50	10	.31	.26	.19	.15	4000	.10
581-06035F473K4	06035F473K4T2A	X8R	47000	50	10	.31	.26	.19	.15	4000	.10
581-06033F683K4	06033F683K4T2A	X8R	68000	25	10	.39	.32	.23	.20	4000	.14

RoHS Compliant

Style 0805

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Tol. ± %	Price Each				Reel Qty	Price Per Piece
						1	100	500	1000		
581-08051A100J4	08051A100J4T2A	C0G	10	100	5	.18	.15	.11	.09	4000	.06
581-08051A220J4	08051A220J4T2A	C0G	22	100	5	.23	.19	.14	.12	4000	.08
581-08051A330J4	08051A330J4T2A	C0G	33	100	5	.18	.15	.11	.09	4000	.06
581-08051A470J4	08051A470J4T2A	C0G	47	100	5	.18	.15	.11	.09	4000	.06
581-08051A680J4	08051A680J4T2A	C0G	68	100	5	.18	.15	.11	.09	4000	.06
581-08051A101J4	08051A101J4T2A	C0G	100	100	5	.18	.15	.11	.09	4000	.06
581-08051A221J4	08051A221J4T2A	C0G	220	100	5	.22	.18	.13	.11	4000	.08
581-08051A331J4	08051A331J4T2A	C0G	330	100	5	.29	.24	.17	.14	4000	.10
581-08051A471J4	08051A471J4T2A	C0G	470	100	5	.29	.24	.17	.14	4000	.10
581-08051A681J4	08051A681J4T2A	C0G	680	100	5	.25	.21	.15	.12	4000	.09
581-08051A102J4	08051A102J4T2A	C0G	1000	100	5	.39	.32	.23	.19	4000	.13
581-08055C102K4	08055C102K4T2A	X7R	1000	50	10	.23	.19	.14	.12	4000	.08
581-08055C222K4	08055C222K4T2A	X7R	2200	50	10	.23	.19	.14	.12	4000	.08
581-08055C332K4	08055C332K4T2A	X7R	3300	50	10	.23	.19	.14	.12	4000	.08
581-08055C472K4	08055C472K4T2A	X7R	4700	50	10	.23	.19	.14	.12	4000	.08
581-08055C682K4	08055C682K4T2A	X7R	6800	50	10	.23	.19	.14	.12	4000	.08
581-08051C103K4	08051C103K4T2A	X7R	10000	100	10	.23	.19	.14	.12	4000	.08
581-08055C103K4	08055C103K4T2A	X7R	10000	50	10	.23	.19	.14	.12	4000	.08
581-08051C223K4	08051C223K4T2A	X7R	22000	100	10	.26	.22	.16	.13	4000	.09
581-08055C223K4	08055C223K4T2A	X7R	22000	50	10	.26	.22	.16	.13	4000	.09
581-08055C333K4	08055C333K4T2A	X7R	33000	50	10	.26	.22	.16	.13	4000	.09
581-08051C473K4	08051C473K4T2A	X7R	47000	100	10	.28	.17	.14	.10	2000	.08
581-08055C473K4	08055C473K4T2A	X7R	47000	50	10	.26	.22	.16	.13	4000	.09
581-08055C683K4	08055C683K4T2A	X7R	68000	50	10	.35	.29	.21	.18	4000	.12
581-08051C104K4	08051C104K4T2A	X7R	0.1µF	100	10	.34	.20	.17	.12	2000	.10
581-08055C104K4	08055C104K4T2A	X7R	0.1µF	50	10	.36	.30	.22	.18	4000	.13
581-08055C224K4	08055C224K4T2A	X7R	0.22µF	50	10	.36	.22	.18	.13	4000	.09
581-08053C334K4	08053C334K4T2A	X7R	0.33µF	25	10	.67	.40	.34	.24	2000	.20
581-08053C474K4	08053C474K4T2A	X7R	0.47µF	25	10	.67	.40	.34	.24	2000	.20
581-08053C105K4	08053C105K4T2A	X7R	1.0µF	25	10	2.59	1.56	1.30	.91	2000	.78
581-0805ZC105K4	0805ZC105K4T2A	X7R	1.0µF	10	10	1.02	.61	.51	.41	2000	.36
581-08055F102K4	08055F102K4T2A	X8R	1000	50	10	.23	.19	.14	.11	4000	.078
581-08055F222K4	08055F222K4T2A	X8R	2200	50	10	.35	.29	.21	.17	4000	.11
581-08055F103K4	08055F103K4T2A	X8R	10000	50	10	.26	.21	.15	.11	4000	.078
581-08055F223K4	08055F223K4T2A	X8R	22000	50	10	.35	.29	.21	.17	4000	.11
581-08055F333K4	08055F333K4T2A	X8R	33000	50	10	.35	.29	.21	.17	4000	.11
581-08055F473K4	08055F473K4T2A	X8R	47000	50	10	.35	.29	.21	.17	4000	.11
581-08055F683K4	08055F683K4T2A	X8R	68000	50	10	.35	.29	.21	.17	4000	.11
581-08055F104K4	08055F104K4T2A	X8R	0.1µF	50	10	.42	.34	.25	.21	4000	.145

DIMENSIONS: mm (in.)

Size	0603	0805	1206	1210
(L) Length	1.60 ± .15 (.063 ± .006)	2.01 ± .20 (.079 ±.008)	3.20 ± 0.20 (.126 ± .008)	3.20 ± 0.20 (.126 ± .008)
(W) Width	.81 ±.15 (.032 ±.006)	1.25 ± .20 (.049 ± .008)	1.60 ± 0.20 (.063 ± .008)	2.50 ± 0.20 (.098 ± .008)
(t) Thickness	.80 ± .10 (.014 ± .006)	1.25 ± .20 (.020 ± .010)	0.50 ± 0.25 (.020 ± .010)	0.50 ± 0.25 (.020 ± .010)

AVX Corporation has supported the automotive industry requirements for multilayer ceramic capacitors consistently for more than 10 years. Products have been developed and tested specifically for automotive applications and all manufacturing facilities are QS9000 and VDA 6.4 approved

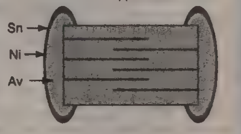
As part of AVX's sustained investment in capacity and state of the art technology, they are now transitioning from the established Pd/Ag electrode system to a Base Metal Electrode system (BME).

AVX is using AECQ200 as the qualification vehicle for this transition. A detailed qualification package is available on request and contains results on a range of part numbers including

- X7R dielectric components containing BME electrode and copper terminations with a Ni/Sn plated overcoat
- X7R dielectric components, BME electrode with epoxy finish for conductive glue mounting
- X7R dielectric components BME electrode and soft terminations with a Ni/Sn plated overcoat
- NP0 dielectric components containing Pd/Ag electrode and silver termination with a Ni/Sn plated overcoat

NP0 Dielectric

NP0 Ag/Pd Electrode
Nickel Barrier Termination
PCD Application



Termination Code T

RoHS Compliant

Style 1206

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Tol. ± %	Price Each				Reel Qty	Price Per Piece
						1	100	500	1000		
581-12067A100J4	12067A100J4T2A	C0G	10	500	5	1.02	.84	.61	.51	4000	.48
581-12067A101J4	12067A101J4T2A	C0G	100	500	5	1.02	.61	.51	.48	4000	.40
581-12061C102K4	12061C102K4T2A	X7R	1000	100	10	.31	.26	.19	.16	4000	.09
581-12065C102K4	12065C102K4T2A	X7R	1000	50	10	.31	.26	.19	.16	4000	.09
581-12061C103K4	12061C103K4T2A	X7R	10000	100	10	.31	.26	.19	.16	4000	.09
581-12065C103K4	12065C103K4T2A	X7R	10000	50	10	.31	.26	.19	.16	4000	.09
581-12065C223K4	12065C223K4T2A	X7R	22000	50	10	.33	.27	.20	.16	4000	.10
581-12065C333K4	12065C333K4T2A	X7R	33000	50	10	.25	.21	.15	.12	4000	.10
581-12065C473K4	12065C473K4T2A	X7R	47000	50	10	.33	.27	.20	.16	4000	.13
581-12065C683K4	12065C683K4T2A	X7R	68000	50	10	.36	.30	.22	.18	4000	.13
581-12061C104K4	12061C104K4T2A	X7R	0.1µF	100	10	.40	.24	.20	.15	2000	.12
581-12065C104K4	12065C104K4T2A	X7R	0.1µF	50	10	.37	.30	.22	.19	4000	.16
581-12061C224K4	12061C224K4T2A	X7R	0.22µF	100	10	1.55	.93	.85	.80	2000	.47
581-12065C224K4	12065C224K4T2A	X7R	0.22µF	50	10	.47	.28	.24	.18	2000	.14
581-12065C334K4	12065C334K4T2A	X7R	0.33µF	50	10	.50	.30	.25	.22	2000	.15
581-12065C474K4	12065C474K4T2A	X7R	0.47µF	50	10	.50	.30	.25	.22	2000	.15
581-12065C105K4	12065C105K4T2A	X7R	1.0µF	50	10	1.28	.77	.70	.60	2000	.38
581-1206YC105K4	1206YC105K4T2A	X7R	1.0µF	16	10	.84	.51	.45	.35	2000	.25
581-12063C225K4	12063C225K4T2A	X7R	2.2µF	25	10	1.00	.60	.50	.40	2000	.30
581-12065F103K4	12065F103K4T2A	X8R	10000	50	10	.35	.29	.21	.17	4000	.119
581-12065F473K4	12065F473K4T2A	X8R	47000	50	10	.35	.30	.21	.18	2000	.14
581-12065F104K4	12065F104K4T2A	X8R	0.1µF	50	10	.44	.31	.26	.15	2000	.10
581-12065F224K4	12065F224K4T2A	X8R	0.22µF	50	10	.47	.45	.40	.26	2000	.16
581-12065F334K4	12065F334K4T2A	X8R	0.33µF	50	10	.98	.59	.48	.33	2000	.29
581-12063F474K4	12063F474K4T2A	X8R	0.47µF	25	10	.75	.70	.65	.37	2000	.26

RoHS Compliant

Style 1210

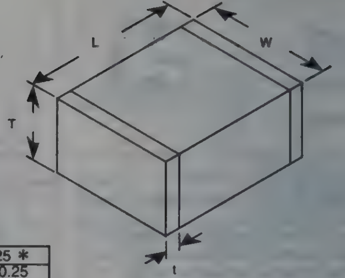
For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp Coeff.	Value pF	Volt	Tol. ± %	Price Each				Reel Qty	Price Per Piece
						1	100	500	1000		
581-12102A102J4	12102A102J4T2A	C0G	1000	200	5	.73	.44	.40	.35	2000	.22
581-12101A222J4	12101A222J4T2A	C0G	2200	100	5	.56	.33	.28	.20	2000	.17
581-12101C104K4	12101C104K4T2A	X7R	0.1µF	100	10	2.39	1.44	1.11	.72	2000	.61
581-12105C104K4	12105C104K4T2A	X7R	0.1µF	50	10	.40	.33	.24	.20	4000	.18
581-12105C224K4	12105C224K4T2A	X7R	0.22µF	50	10	.53	.32	.28	.23	2000	.16
581-12101C334K4	12101C334K4T2A	X7R	0.33µF	100	10	.78	.47	.40	.33	2000	.23
581-12105C334K4	12105C334K4T2A	X7R	0.33µF	50	10	1.26	1.04	.76	.63	2000	.40
581-12101C474K4	12101C474K4T2A	X7R	0.47µF	100	10	.78	.47	.40	.33	2000	.23
581-12105C474K4	12105C474K4T2A	X7R	0.47µF	50	10	.94	.56	.50	.43	2000	.28
581-12101C684K4	12101C684K4T2A	X7R	0.68µF	100	10	1.29	1.04	.77	.65	1000	.55
581-12101C105K4	12101C105K4T2A	X7R	1.0µF	100	10	1.36	1.10	.82	.70	1000	.65
581-12105C105K4	12105C105K4T2A	X7R	1.0µF	50	10	2.47	1.99	1.48	1.23	1000	1.00
581-12105C225K4	12105C225K4T2A	X7R	2.2µF	50	10	2.72	2.20	1.63	1.36	1000	1.20
581-1210YC475K4	1210YC475K4T2A	X7R	4.7µF	16	10	3.06	2.47	1.84	1.53	1000	1.30

AVX Tip and Ring MLCC

A KYOCERA GROUP COMPANY

AVX "Tip & Ring" or "ring detector" Multilayer Ceramic Chip Capacitors are designed as a standard telecom filter to block -48 Volts DC telephone line voltage and pass subscriber's AC signal pulse (16 to 25Hz, 70 to 90Vrms).The typical ringing signal is seen on figure on page 84. The ringer capacitors replace large leaded film capacitors and are ideal for telecom/modem applications. Using AVX "Tip &Ring" capacitors not only saves valuable real estate on the board and reduces the weight of overall product, but also features standard surface mounting capabilities, so critical to new and compact designs.The AVX "Tip & Ring" capacitors are offered in standard EIA sizes and standard values. They offer excellent high frequency performance, low ESR and improved temperature performance over film capacitors.



Specifications:
- Capacitance Range: 1000pF to 1.2μF, (25°C, 1.0±0.2Vrms at 1kHz
- Capacitance Tolerances: ±10%, ±20%
- Dissipation Factor: 2.5% max. (25°C, 1.0 ±0.2 Vrms at 1kHz)
- Temperature Characteristic: X7R ±15% (0 VDC)
- Voltage Rating: 250 VDC Telco rating
- Insulation Resistance: (25°C, at 250 VDC), 1000 megohm-microfarad min.
- Dielectric Strength: Minimum 250% rated voltage for 5 seconds at 50 mA max. current

Size	0805	1206	1210 *	1808 *	1812 *	1825 *	2220 *	2225 *
(L) Length	2.01±0.20 (0.079±0.008)	3.20±0.20 (0.126±0.008)	3.2±0.20 (0.126±0.008)	4.57±0.25 (0.180±0.010)	4.50±0.30 (0.177±0.012)	4.50±0.30 (0.177±0.012)	5.60±0.30 (0.220±0.012)	5.60±0.25 (0.220±0.010)
(W) Width	1.25±0.20 (0.049±0.008)	1.60±0.20 (0.063±0.008)	2.50±0.20 (0.098±0.008)	2.0±0.25 90.80±0.010	3.2±0.20 (0.126±0.008)	6.34±0.30 (0.252±0.012)	5.10±0.40 (0.200±0.016)	6.35±0.25 (0.25±0.010)
(T) Thickness Max.	1.30 (0.051)	1.5 (0.059)	1.78 (0.070)	1.78 0.070	2.00 (0.080)	2.00 (0.080)	2.00 (0.080)	2.00 (0.080)
(t) Terminal	0.50±0.25 (0.20±0.010)	0.50±0.25 (0.020±0.010)	0.50±0.25 (0.020±0.010)	0.63±0.38 0.025±0.015	0.63±0.38 (0.025±0.015)	0.63±0.38 (0.025±0.015	0.63±0.38 (0.025±0.015)	0.63±0.38 (0.025±0.015)

RoHS Compliant

Style 0805

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (μF)	Tol.	Price Each				Reel Qty	Price Per Piece
				1	100	500	1000		
581-0805PC681K	0805PC681KAT1A	680pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC102K	0805PC102KAT1A	1000pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC122K	0805PC122KAT1A	1200pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC152K	0805PC152KAT1A	1500pF	10%	.66	.60	.59	.50	2000	.41
581-0805PC182K	0805PC182KAT1A	1800pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC192K	0805PC192KAT1A	1900pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC222K	0805PC222KAT1A	2200pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC392K	0805PC392KAT1A	3900pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC472K	0805PC472KAT1A	4700pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC562K	0805PC562KAT1A	5600pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC682K	0805PC682KAT1A	6800pF	10%	1.03	.99	.90	.77	2000	.64
581-0805PC822K	0805PC822KAT1A	8200pF	10%	.26	.23	.20	.17	2000	.13
581-0805PC103K	0805PC103KAT1A	0.01	10%	.36	.34	.30	.24	2000	.22
581-0805PC123K	0805PC123KAT1A	0.012	10%	.26	.23	.20	.17	2000	.13
581-0805PC153K	0805PC153KAT1A	0.015	10%	.66	.60	.59	.50	2000	.39
581-0805PC183K	0805PC183KAT1A	0.018	10%	.26	.23	.20	.17	2000	.13
581-0805PC223K	0805PC223KAT1A	0.023	10%	.66	.60	.59	.50	2000	.41

Style 1206

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (μF)	Tol.	Price Each				Reel Qty	Price Per Piece
				1	100	500	1000		
581-1206PC102K	1206PC102KAT1A	1000pF	10%	.32	.28	.24	.20	2000	.16
581-1206PC332K	1206PC332KAT1A	3300pF	10%	.35	.31	.26	.22	2000	.18
581-1206PC472K	1206PC472KAT1A	4700pF	10%	.35	.33	.31	.26	2000	.22
581-1206PC822K	1206PC822KAT1A	8200pF	10%	.35	.31	.26	.22	2000	.18
581-1206PC103K	1206PC103KAT1A	0.01	10%	.32	.28	.24	.20	2000	.16
581-1206PC183K	1206PC183KAT1A	0.018	10%	.35	.31	.26	.22	2000	.18
581-1206PC223K	1206PC223KAT1A	0.022	10%	.35	.31	.26	.22	2000	.18
581-1206PC273K	1206PC273KAT1A	0.027	10%	.79	.70	.65	.59	2000	.50
581-1206PC333K	1206PC333KAT1A	0.033	10%	.35	.31	.26	.22	2000	.18
581-1206PC393K	1206PC393KAT1A	0.039	10%	.79	.70	.65	.59	2000	.50
581-1206PC473K	1206PC473KAT1A	0.047	10%	.39	.34	.29	.24	2000	.19
581-1206PC563K	1206PC563KAT1A	0.056	10%	.39	.34	.29	.24	2000	.19

Style 1206

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (μF)	Tol.	Price Each				Reel Qty	Price Per Piece
				1	100	500	1000		
581-1206PC102K	1206PC102KAT1A	1000pF	10%	.32	.28	.24	.20	2000	.16
581-1206PC332K	1206PC332KAT1A	3300pF	10%	.35	.31	.26	.22	2000	.18
581-1206PC472K	1206PC472KAT1A	4700pF	10%	.35	.33	.31	.26	2000	.22
581-1206PC822K	1206PC822KAT1A	8200pF	10%	.35	.31	.26	.22	2000	.18
581-1206PC103K	1206PC103KAT1A	0.01	10%	.32	.28	.24	.20	2000	.16
581-1206PC183K	1206PC183KAT1A	0.018	10%	.35	.31	.26	.22	2000	.18
581-1206PC223K	1206PC223KAT1A	0.022	10%	.35	.31	.26	.22	2000	.18
581-1206PC273K	1206PC273KAT1A	0.027	10%	.79	.70	.65	.59	2000	.50
581-1206PC333K	1206PC333KAT1A	0.033	10%	.35	.31	.26	.22	2000	.18
581-1206PC393K	1206PC393KAT1A	0.039	10%	.79	.70	.65	.59	2000	.50
581-1206PC473K	1206PC473KAT1A	0.047	10%	.39	.34	.29	.24	2000	.19
581-1206PC563K	1206PC563KAT1A	0.056	10%	.39	.34	.29	.24	2000	.19

Style 1210

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (μF)	Tol.	Price Each				Reel Qty	Price Per Piece
				1	100	500	1000		
581-1210PC102K	1210PC102KAT1A	1000pF	10%	.40	.36	.30	.25	2000	.20
581-1210PC472K	1210PC472KAT1A	4700pF	10%	.40	.36	.30	.25	2000	.20
581-1210PC103K	1210PC103KAT1A	0.01	10%	.40	.36	.30	.25	2000	.20
581-1210PC333K	1210PC333KAT1A	0.033	10%	1.12	1.06	.98	.84	2000	.70
581-1210PC473K	1210PC473KAT1A	0.047	10%	.44	.39	.33	.28	2000	.22
581-1210PC683K	1210PC683KAT1A	0.068	10%	.44	.39	.33	.28	2000	.22
581-1210PC104K	1210PC104KAT1A	0.1	10%	.33	.20	.16	.14	2000	.14

Style 1812

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (μF)	Tol.	Price Each			Reel Qty	Price Per Piece
				1	100	500		
581-1812PC102K	1812PC102KAT1A	1000pF	10%	.44	.42	.39	1000	.28
581-1812PC222K	1812PC222KAT1A	2200pF	10%	2.06	1.95	1.80	1000	1.29
581-1812PC273K	1812PC273KAT1A	0.027	10%	.44	.42	.39	1000	.28
581-1812PC333K	1812PC333KAT1A	0.033	10%	.49	.47	.44	1000	.31
581-1812PC104K	1812PC104KAT1A	0.1	10%	1.32	1.25	1.15	1000	.54
581-1812PC124K	1812PC124KAT1A	0.12	10%	1.32	1.25	1.15	1000	.82
581-1812PC154K	1812PC154KAT1A	0.15	10%	.53	.51	.47	1000	.33
581-1812PC184K	1812PC184KAT1A	0.18	10%	.53	.51	.47	1000	.33
581-1812PC224K	1812PC224KAT1A	0.22	10%	.53	.52	.49	1000	.40
581-1812PC274K	1812PC274KAT1A	0.27	10%	.49	.47	.44	1000	.31
581-1812PC334K	1812PC334KAT1A	0.33	10%	1.28	1.21	1.12	1000	.54
581-1812PC394K	1812PC394KAT1A	0.39	10%	1.28	1.21	1.12	1000	.80
581-1812PC474K	1812PC474KAT1A	0.47	10%	1.32	1.25	1.15	1000	.66

Style 1825

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (μF)	Tol.	Price Each			Reel Qty	Price Per Piece
				1	100	500		
581-1825PC334K	1825PC334KAT1A	0.33	10%	.62	.59	.55	1000	.39
581-1825PC394K	1825PC394KAT1A	0.39	10%	.70	.67	.62	1000	.44
581-1825PC474K	1825PC474KAT1A	0.47	10%	1.49	1.43	1.35	1000	.702
581-1825PC564K	1825PC564KAT1A	0.56	10%	2.28	2.16	2.00	1000	.702
581-1825PC684K	1825PC684KAT1A	0.68	10%	2.39	2.26	2.09	1000	1.49
581-1825PC824K	1825PC824KAT1A	0.82	10%	.74	.71	.66	1000	.46
581-1825PC105K	1825PC105KAT1A	1.0	10%	1.08	1.04	.97	1000	.702

Style 2220

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (μF)	Tol.	Price Each			Reel Qty	Price Per Piece
				1	100	500		
581-2220PC105K	2220PC105KAT1A	1.0	10%	2.34	2.17	1.95	1000	1.40

Style 2225

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (μF)	Tol.	Price Each			Reel Qty	Price Per Piece
				1	100	500		
581-2225PC334M	2225PC334MAT1A	0.33	10%	2.06	1.95	1.80	1000	1.29
581-2225PC474K	2225PC474KAT1A	0.47	10%	.92	.87	.81	1000	.57
581-2225PC564K	2225PC564KAT1A	0.56	10%	.92	.87	.81	1000	.57
581-2225PC105K	2225PC105KAT1A	1.0	10%	4.50	3.69	2.80	1000	.81
581-2225PC105M	2225PC105MAT1A	1.0	10%	.92	.87	.81	1000	.57
581-2225PC125K	2225PC125KAT1A	1.2	10%	3.12	2.95	2.73	1000	1.95
581-2225PC125M	2225PC125MAT1A	1.2	10%	.97	.92	.86	1000	.61

AVX SMD FLEXITERM™ Ceramic Capacitors, Soft Termination

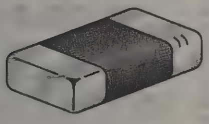
A KYOCERA GROUP COMPANY

RoHS Compliant **This page of product is compliant.**

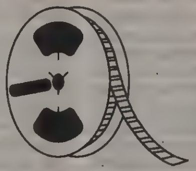
With increased requirements from the automotive industry for additional component robustness, AVX recognized the need to produce a MLCC with enhanced mechanical strength. It was noted that many components may be subject to severe flexing and vibration when used in various under the bonnet automotive applications.

To satisfy the requirement for enhanced mechanical strength, AVX had to find a way of ensuring that electrical integrity is maintained while external forces are being applied to the component. This soft termination is designed to enhance the mechanical flexure and temperature cycling performance of a standard ceramic capacitor with an X7R dielectric.

In addition to automotive applications, it also provides Design Engineers with a satisfactory solution when designing PCB's which may be subject to high levels for board flexure.



Dimensions:
Standard EIA Case



4000 Piece Reels

Product Advantages:

- High mechanical performance able to withstand, 5mm bend test guaranteed.
- Open failure mode is apparent when products are overstressed by 5mm.
- Increased temperature cycling performance, 3000 cycles and beyond.
- Flexible termination system.
- Reduction in circuit board flex failures.
- Base metal electrode system.
- Automotive or commercial grade products available.
- Temperature Range: -55°C to +125°C

The industry standard for flexure is 2 mm minimum with Soft Termination. AVX guarantees a minimum flexure of 5 mm, without any internal cracks. Beyond 5mm generally the component will open. The industry standard for temperature cycling is 1000 cycles, AVX guarantees 3000 cycles.

AEC-Q200 Qualifications:

- Created by the Automotive Electronics Council
- Specification defining stress test qualification for passive components

Applications:

High Flexure Stress Circuit Boards

- e.g. Depanelization: Components near edges of board.

Variable Temperature Applications

- Soft termination offers improved reliability performances in applications where there is temperature variation.
- e.g. All kind of engine sensors: Direct connection to battery rail.

Automotive Applications

- Improved reliability.
- Excellent mechanical performance and thermo-mechanical performance.

Testing:

Key test used to compare soft termination to AEC-QC200 qualification:

- Bend Test
- Temperature Cycle Test

RoHS Compliant

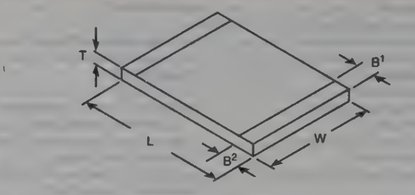
MLCC WITH SOFT TERMINATION

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (pF)	Volt	Tol. ± %	Price Each			Reel Qty 4000
					1	100	500	
0603 Style								
581-06035C331JAZ2A	06035C331JAZ2A	330	50	5%	.36	.24	.13	.08
581-06031C331JAZ2A	06031C331JAZ2A	330	100	5%	.38	.25	.14	.09
581-06035C471JAZ2A	06035C471JAZ2A	470	50	5%	.36	.24	.13	.08
581-06031C471JAZ2A	06031C471JAZ2A	470	100	5%	.38	.25	.14	.09
581-06031C681JAZ2A	06031C681JAZ2A	680	100	5%	.38	.25	.14	.09
581-06031C821JAZ2A	06031C821JAZ2A	820	100	5%	.38	.25	.14	.09
581-06035C102JAZ2A	06035C102JAZ2A	1000	50	5%	.36	.24	.13	.08
581-06031C102JAZ2A	06031C102JAZ2A	1000	100	5%	.38	.25	.14	.09
581-06031C122JAZ2A	06031C122JAZ2A	1200	100	5%	.38	.25	.14	.09
581-06031C152JAZ2A	06031C152JAZ2A	1500	100	5%	.38	.25	.14	.09
581-06035C222JAZ2A	06035C222JAZ2A	2200	50	5%	.36	.24	.13	.08
581-06031C222JAZ2A	06031C222JAZ2A	2200	100	5%	.38	.25	.14	.09
581-06035C332JAZ2A	06035C332JAZ2A	3300	50	5%	.36	.24	.13	.08
581-06031C332JAZ2A	06031C332JAZ2A	3300	100	5%	.38	.25	.14	.09
581-0603YC472JAZ2A	0603YC472JAZ2A	4700	16	5%	.36	.24	.13	.08
581-06033C472JAZ2A	06033C472JAZ2A	4700	25	5%	.36	.24	.13	.08
581-06035C472JAZ2A	06035C472JAZ2A	4700	50	5%	.36	.24	.13	.08
581-06031C472JAZ2A	06031C472JAZ2A	4700	100	5%	.38	.25	.14	.09
581-06033C682JAZ2A	06033C682JAZ2A	6800	25	5%	.38	.25	.14	.09
581-06031C822JAZ2A	06031C822JAZ2A	8200	100	5%	.38	.25	.14	.09
581-06035C103JAZ2A	06035C103JAZ2A	10000	50	5%	.36	.24	.13	.08
581-06031C103JAZ2A	06031C103JAZ2A	10000	100	5%	.38	.25	.14	.09
581-06035C223JAZ2A	06035C223JAZ2A	22000	50	5%	.49	.32	.18	.12
581-0603YC473JAZ2A	0603YC473JAZ2A	47000	16	5%	.56	.37	.20	.13
581-06033C473JAZ2A	06033C473JAZ2A	47000	25	5%	.84	.55	.30	.19
581-0603YC104JAZ2A	0603YC104JAZ2A	0.1μF	16	5%	.63	.41	.23	.15
0505 Style								
581-0805ZC331JAZ2A	0805ZC331JAZ2A	330	10	5%	.35	.24	.12	.09
581-08053C331JAZ2A	08053C331JAZ2A	330	25	5%	.37	.25	.13	.10
581-08055C331JAZ2A	08055C331JAZ2A	330	50	5%	.41	.27	.15	.10
581-08053C471JAZ2A	08053C471JAZ2A	470	25	5%	.37	.25	.13	.10
581-08055C471JAZ2A	08055C471JAZ2A	470	50	5%	.41	.27	.15	.10
581-08053C102JAZ2A	08053C102JAZ2A	1000	25	5%	.37	.25	.13	.10
581-08055C102JAZ2A	08055C102JAZ2A	1000	50	5%	.41	.27	.15	.10
581-08055C122JAZ2A	08055C122JAZ2A	1200	50	5%	.41	.27	.15	.10
581-08055C222JAZ2A	08055C222JAZ2A	2200	50	5%	.41	.27	.15	.10
581-08055C332JAZ2A	08055C332JAZ2A	3300	50	5%	.41	.27	.15	.10
581-0805ZC472JAZ2A	0805ZC472JAZ2A	4700	10	5%	.35	.24	.12	.09
581-08053C472JAZ2A	08053C472JAZ2A	4700	25	5%	.37	.25	.13	.10
581-08055C472JAZ2A	08055C472JAZ2A	4700	50	5%	.41	.27	.15	.10
581-08053C103JAZ2A	08053C103JAZ2A	10000	25	5%	.37	.25	.13	.10
581-08055C103JAZ2A	08055C103JAZ2A	10000	50	5%	.41	.27	.15	.10
581-08055C123JAZ2A	08055C123JAZ2A	12000	50	5%	.47	.31	.17	.11
581-08055C223JAZ2A	08055C223JAZ2A	22000	50	5%	.47	.31	.17	.11
581-08055C333JAZ2A	08055C333JAZ2A	33000	50	5%	.47	.31	.17	.11
581-0805ZC473JAZ2A	0805ZC473JAZ2A	47000	10	5%	.35	.24	.12	.09
581-08053C473JAZ2A	08053C473JAZ2A	47000	25	5%	.37	.25	.13	.10
581-08055C473JAZ2A	08055C473JAZ2A	47000	50	5%	.47	.31	.17	.11
581-08056C104JAZ2A	08056C104JAZ2A	0.1μF	6.3	5%	.34	.23	.12	.08
581-0805ZC104JAZ2A	0805ZC104JAZ2A	0.1μF	10	5%	.35	.24	.12	.09
581-08053C104JAZ2A	08053C104JAZ2A	0.1μF	25	5%	.37	.25	.13	.10
581-08055C104JAZ2A	08055C104JAZ2A	0.1μF	50	5%	.47	.31	.17	.11
1206 Style								2000
581-1206GC101KAZ1A	1206GC101KAZ1A	100	2000	10	.66	.64	.59	.50
581-1206GC102KAZ1A	1206GC102KAZ1A	1000	2000	10	.66	.64	.59	.50
1206 Style								4000
581-12063C102JAZ2A	12063C102JAZ2A	1000	25	5%	.39	.27	.14	.09
581-12065C102JAZ2A	12065C102JAZ2A	1000	50	5%	.41	.28	.15	.10
1206 Style Cont.								
581-12061C102JAZ2A	12061C102JAZ2A	1000	100	5%	.44	.29	.16	.10
581-12065C122JAZ2A	12065C122JAZ2A	1200	50	5%	.41	.28	.15	.10
581-12061C122JAZ2A	12061C122JAZ2A	1200	100	5%	.44	.29	.16	.10
581-12065C222JAZ2A	12065C222JAZ2A	2200	50	5%	.41	.28	.15	.10
581-12061C222JAZ2A	12061C222JAZ2A	2200	100	5%	.44	.29	.16	.10
581-12061C332JAZ2A	12061C332JAZ2A	3300	100	5%	.44	.29	.16	.10
581-12065C472JAZ2A	12065C472JAZ2A	4700	50	5%	.47	.28	.15	.10
581-12061C472JAZ2A	12061C472JAZ2A	4700	100	5%	.44	.29	.16	.10
581-12061C682JAZ2A	12061C682JAZ2A	6800	100	5%	.44	.29	.16	.10
581-12061C822JAZ2A	12061C822JAZ2A	8200	100	5%	.44	.29	.16	.10
581-12063C103JAZ2A	12063C103JAZ2A	10000	25	5%	.39	.27	.14	.09
581-12065C103JAZ2A	12065C103JAZ2A	10000	50	5%	.41	.28	.15	.10
581-12061C103JAZ2A	12061C103JAZ2A	10000	100	5%	.44	.29	.16	.10
581-12065C223JAZ2A	12065C223JAZ2A	22000	50	5%	.48	.32	.17	.11
581-12061C223JAZ2A	12061C223JAZ2A	22000	100	5%	.51	.33	.18	.12
581-12063C333JAZ2A	12063C333JAZ2A	33000	25	5%	.46	.30	.15	.11
581-12065C333JAZ2A	12065C333JAZ2A	33000	50	5%	.48	.32	.17	.11
581-12061C333JAZ2A	12061C333JAZ2A	33000	100	5%	.51	.33	.18	.12
581-1206YC473JAZ2A	1206YC473JAZ2A	47000	16	5%	.46	.30	.15	.11
581-12063C473JAZ2A	12063C473JAZ2A	47000	25	5%	.48	.32	.17	.11
581-12065C473JAZ2A	12065C473JAZ2A	47000	50	5%	.51	.33	.18	.12
581-12061C473MAZ2A	12061C473MAZ2A	47000	100	20%	.42	.28	.15	.10
581-12061C683MAZ2A	12061C683MAZ2A	68000	100	20%	.45	.30	.16	.11
581-1206YC104JAZ2A	1206YC104JAZ2A	0.1μF	16	5%	.44	.30	.15	.10
581-12063C104JAZ2A	12063C104JAZ2A	0.1μF	25	5%	.47	.31	.16	.11
581-12065C104JAZ2A	12065C104JAZ2A	0.1μF	50	5%	.49	.32	.18	.12
581-12065C224MAZ2A	12065C224MAZ2A	0.22μF	50	20%	.69	.45	.25	.16
581-12063C334MAZ2A	12063C334MAZ2A	0.33μF	25	20%	.79	.51	.28	.18
581-12063C474MAZ2A	12063C474MAZ2A	0.47μF	25	20%	.79	.51	.28	.18
581-1206YC105MAZ2A	1206YC105MAZ2A	1μF	16	20%	1.39	.91	.49	.32
1210 Style								2000
581-1210GC102KAZ1A	1210GC102KAZ1A	1000	2000	10	.88	.85	.78	.66
581-1210AC103KAZ1A	1210AC103KAZ1A	0.01μF	2000	10	.88	.85	.78	.66
1210 Style								4000
581-12101C223KAZ2A	12101C223KAZ2A	22000	100	10%	.70	.46	.25	.16
581-12101C333KAZ2A	12101C333KAZ2A	33000	100	10%	.70	.46	.25	.16
581-12101C473KAZ2A	12101C473KAZ2A	47000	100	10%	.70	.46	.25	.16
581-12101C683MAZ2A	12101C683MAZ2A	68000	100	20%	.70	.46	.25	.16
581-12101C823MAZ2A	12101C823MAZ2A	82000	100	20%	.70	.46	.25	.16
581-12103C104KAZ2A	12103C104KAZ2A	0.1μF	25	10%	.63	.41	.21	.15
581-12105C104KAZ2A	12105C104KAZ2A	0.1μF	50	10%	.66	.55	.42	.24
581-12103C224MAZ2A	12103C224MAZ2A	0.22μF	25	20%	.84	.55	.30	.19
581-12105C224MAZ2A	12105C224MAZ2A	0.22μF	50	20%	.87	.57	.31	.20
1808 Style								2000
581-1808HC102KAZ1A	1808HC102KAZ1A	1000	3000	10	1.32	1.17	.99	.66
581-1808HC102MAZ1A	1808HC102MAZ1A	1000	3000	20	1.25	1.11	.94	.63
1812 Style								2000
581-1812HC102KAZ1A	1812HC102KAZ1A	1000	3000	10	1.41	1.25	1.06	.70
581-1812HC102MAZ1A	1812HC102MAZ1A	1000	3000	20	1.34	1.19	1.00	.67
581-1812GC472KAZ1A	1812GC472KAZ1A	4700	2000	10	1.41	1.25	1.06	.70
581-1812AC103KAZ1A	1812AC103KAZ1A	10000	1000	10	1.41	1.25	1.06	.70
1825 Style								2000
581-1825AC473KAZ1A	1825AC473KAZ1A	47000	1000	10	1.85	1.64	1.39	.92
581-1825CC104KAZ1A	1825CC104KAZ1A	0.1μF	600	10	1.25	1.11	.94	.63
2220 Style								1000
581-2220GC103KAZ1A	2220GC103KAZ1A	10000	2000	10	3.43	3.27	3.04	2.57
2225 Style								1000
581-2225WC103KAZ1A	2225WC103KAZ1A	10000	2500	10	3.43	3.27	3.04	2.57

AVX 0201, 0402, 0603, 0805 Capacitors

RoHS Compliant **This page of product is compliant.**



RoHS Compliant

Dimensions: mm (in.)				
	0201*	0402*	0603*	0805*
L	0.60 ± 0.05 (.023 ± .002)	1.00 ± 0.1 (.039 ± .004)	1.60 ± 0.1 (.063 ± .004)	2.01 ± 0.1 (.079 ± .004)
W	0.325 ± 0.050 (.0128 ± .002)	0.55 ± 0.07 (.022 ± .003)	0.81 ± 0.1 (.032 ± .004)	1.27 ± 0.1 (.050 ± .004)
T	0.225 ± 0.050 (.009 ± .002)	0.40 ± 0.1 (.016 ± .004)	0.63 ± 0.1 (.025 ± .004)	0.93 ± 0.2 (.036 ± .008)
B^1	.10 ± 0.10 (.004 ± .004)	.00 ± 0.1/-0 (.000± .004/-0)	0.35 ± 0.15 (.014 ± .006)	0.30 ± 0.1 (.012 ± .004)
B^2	0.15 ± 0.05 (.006 ± .002)	0.20 ± 0.1 (.008 ± .004)	0.35 ± 0.15 (.014 ± .006)	0.30 ± 0.1 (.012 ± .004)

* Mount black side up.

AVX ACCU-P® THIN-FILM RF / MICROWAVE CAPACITORS

Features:

- Minimal batch to batch variability of parameters at high frequency.
- Low ESR, High Q, Low Capacitance
- Inspected, test and quality control procedures in accordance with ISO 9001, CECC, IECQ, USA MIL Standards guarantee product of the highest quality.
- Preferred device in R & D labs and productions environment where hand soldering is used.

Electrical Specifications:

- Temperature range: -55°C to +125°C
- Temperature Coef.: 0 ±30ppm/°C dielectric code "J"
- Cap. measurement: 1Mhz, 1 Vrms
- Insulation resistance: $\geq 10^{11}\Omega$ ($\geq 10^{10}\Omega$ for 0201 and 0402 size)
- Proof voltage: 2.5 U_R for 5 secs.
- Aging Characteristics: Zero
- Dielectric Absorbtion: 0.01%

Applications:

- Cellular Communications
- CT2/PCN
- Satellite, Cable TV
- RF Amplifiers
- GPS
- Vehicle Location Systems
- Vehicle Alarm Systems
- Paging
- Military Communications
- Radar Systems
- Video Switching
- Test and Measurements
- Filters
- VCOs
- Matching Networks

Style 0201

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Piece Price
					1	100	500		
581-02013J0R8BBS	02013J0R8BBSTR	0.8	25	0.1	.45	.35	.30	5000	.25
581-02013J0R9BBS	02013J0R9BBSTR	0.9	25	0.1	.45	.35	.30	5000	.25
581-02013J1R8BBS	02013J1R8BBSTR	1.8	25	0.1	.45	.35	.30	5000	.25
581-02013J2R0BBS	02013J2R0BBSTR	2.0	25	0.1	.45	.35	.30	5000	.25
581-02013J2R2BBS	02013J2R2BBSTR	2.2	25	0.1	.45	.35	.30	5000	.25
581-02013J2R4BBS	02013J2R4BBSTR	2.4	25	0.1	.45	.35	.30	5000	.25
581-02013J2R7BBS	02013J2R7BBSTR	2.7	25	0.1	.45	.35	.30	5000	.25

Style 0402

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Piece Price
					1	100	500		
581-04023J1R0BBS	04023J1R0BBSTR	1.0	25	0.1	.90	.70	.60	5000	.50
581-04023J1R5BBS	04023J1R5BBSTR	1.5	25	0.1	.90	.70	.60	5000	.50
581-04023J1R6BBS	04023J1R6BBSTR	1.6	25	0.1	.90	.70	.60	5000	.50
581-04023J1R8BBS	04023J1R8BBSTR	1.8	25	0.1	.90	.70	.60	5000	.50
581-04023J2R2BBS	04023J2R2BBSTR	2.2	25	0.1	.90	.70	.60	5000	.50
581-0402ZJ2R8CBS	0402ZJ2R8CBSTR	2.8	10	0.25	.63	.49	.42	5000	.35
581-04023J3R0BBS	04023J3R0BBSTR	3.0	25	0.1	.90	.70	.60	5000	.50
581-04023J3R3BBS	04023J3R3BBSTR	3.3	25	0.1	.90	.70	.60	5000	.50
581-0402YJ3R6BBS	0402YJ3R6BBSTR	3.6	25	0.1	.90	.70	.60	5000	.50
581-04023J3R9BBS	04023J3R9BBSTR	3.9	25	0.1	.90	.70	.60	5000	.50
581-0402YJ3R9BBS	0402YJ3R9BBSTR	3.9	16	0.1	.90	.70	.60	5000	.50
581-0402ZJ4R3CBS	0402ZJ4R3CBSTR	4.3	10	0.25	.63	.49	.42	5000	.35
581-04023J4R7BBS	04023J4R7BBSTR	4.7	25	0.1	.90	.70	.60	5000	.50
581-0402ZJ4R7CBS	0402ZJ4R7CBSTR	4.7	10	0.25	.63	.49	.42	5000	.35
581-04023J5R6BBS	04023J5R6BBSTR	5.6	25	0.1	.90	.70	.60	5000	.50
581-04023J6R8BBS	04023J6R8BBSTR	6.8	25	0.1	.90	.70	.60	5000	.50
581-04023J7R5BBS	04023J7R5BBSTR	7.5	25	0.1	.90	.70	.60	5000	.50
581-0402ZJ8R2BBS	0402ZJ8R2BBSTR	8.2	10	0.1	.90	.70	.60	5000	.50
581-0402YJ100FBS	0402YJ100FBSTR	10	16	1%	1.40	1.09	.93	5000	.78
581-0402ZJ120FBS	0402ZJ120FBSTR	12	10	1%	1.40	1.09	.93	5000	.78
581-0402ZJ180FBS	0402ZJ180FBSTR	18	10	1%	.99	.77	.66	5000	.55

Style 0603

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Piece Price
					1	100	500		
581-06035J0R2ABS	06035J0R2ABSTR	0.2	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J0R2BBS	06035J0R2BBSTR	0.2	50	0.1	1.13	1.00	.88	3000	.69
581-06031J0R3ABS	06031J0R3ABSTR	0.3	100	0.05	1.44	1.28	1.12	3000	.88
581-06035J0R3BBS	06035J0R3BBSTR	0.3	50	0.1	1.13	1.00	.88	3000	.69
581-06035J0R3PBS	06035J0R3PBSTR	0.3	50	0.02	2.03	1.80	1.58	3000	1.24
581-06035J0R4BBS	06035J0R4BBSTR	0.4	50	0.1	1.13	1.00	.88	3000	.69
581-06035J0R5BBS	06035J0R5BBSTR	0.5	50	0.1	1.13	1.00	.88	3000	.69
581-06035J0R7PBS	06035J0R7PBSTR	0.7	50	0.02	2.03	1.80	1.58	3000	1.24
581-06035J0R7BBS	06035J0R7BBSTR	0.7	50	0.1	1.13	1.00	.88	3000	.69
581-06035J0R8BBS	06035J0R8BBSTR	0.8	50	0.1	1.13	1.00	.88	3000	.69
581-06035J0R9PBS	06035J0R9PBSTR	0.9	50	0.02	2.03	1.80	1.58	3000	1.24
581-06035J1R0BBS	06035J1R0BBSTR	1.0	50	0.1	1.13	1.00	.88	3000	.69
581-06035J1R0PBS	06035J1R0PBSTR	1.0	50	0.02	2.03	1.80	1.58	3000	1.24
581-06035J1R1BBS	06035J1R1BBSTR	1.1	50	0.1	1.13	1.00	.88	3000	.69
581-06035J1R2PBS	06035J1R2PBSTR	1.2	50	0.02	2.03	1.80	1.58	3000	1.24
581-06035J1R5ABS	06035J1R5ABSTR	1.5	50	0.1	1.13	1.00	.88	3000	.69
581-06035J1R6ABS	06035J1R6ABSTR	1.6	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J1R8BBS	06035J1R8BBSTR	1.8	50	0.1	1.13	1.00	.88	3000	.69
581-06035J1R8ABS	06035J1R8PBSTR	1.8	50	0.02	2.03	1.80	1.58	3000	1.24
581-06035J2R0ABS	06035J2R0ABSTR	2.0	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J2R0BBS	06035J2R0BBSTR	2.0	50	0.1	1.13	1.00	.88	3000	.69
581-06035J2R2ABS	06035J2R2ABSTR	2.2	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J2R2BBS	06035J2R2BBSTR	2.2	50	0.1	1.13	1.00	.88	3000	.69
581-06035J2R4BBS	06035J2R4BBSTR	2.4	50	0.1	1.13	1.00	.88	3000	.69
581-06035J2R7BBS	06035J2R7BBSTR	2.7	50	0.1	1.13	1.00	.88	3000	.69
581-06035J3R0ABS	06035J3R0ABSTR	3.0	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J3R0BBS	06035J3R0BBSTR	3.0	50	0.1	1.13	1.00	.88	3000	.69
581-06035J3R3ABS	06035J1R5BBSTR	3.3	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J3R3BBS	06035J3R3BBSTR	3.3	50	0.1	1.13	1.00	.88	3000	.69
581-06035J3R9BBS	06035J3R9BBSTR	3.9	50	0.1	1.13	1.00	.88	3000	.69
581-06035J4R3BBS	06035J4R3BBSTR	4.3	50	0.1	1.13	1.00	.88	3000	.69
581-06035J4R7BBS	06035J4R7BBSTR	4.7	50	0.1	1.13	1.00	.88	3000	.69
581-06035J4R7ABS	06035J4R7ABSTR	4.7	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J5R6BBS	06035J5R6BBSTR	5.6	50	0.1	1.13	1.00	.88	3000	.69
581-06035J6R8BBS	06035J6R8BBSTR	6.8	50	0.1	1.13	1.00	.88	3000	.69
581-06035J8R2BBS	06035J8R2BBSTR	8.2	50	0.1	1.13	1.00	.88	3000	.69
581-06035J100FBS	06035J100FBSTR	10	50	1%	1.31	1.16	1.02	3000	.80
581-06033J100FBS	06033J100FBSTR	10	25	1%	1.31	1.16	1.02	3000	.80
581-06035J120FBS	06035J120FBSTR	12	50	1%	1.31	1.16	1.02	3000	.80
581-06033J130FBS	06033J130FBSTR	13	25	1%	1.31	1.16	1.02	3000	.80
581-06033J160FBS	06033J160FBSTR	16	25	1%	1.31	1.16	1.02	3000	.80

Style 0805

- Temperature Coefficient: C0G

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Piece Price
					1	100	500		
581-08055J1R5BBT	08055J1R5BBTTR	1.5	50	0.1	1.85	1.64	1.44	3000	1.13
581-08055J1R8BBT	08055J1R8BBTTR	1.8	50	0.1	1.85	1.64	1.44	3000	1.13
581-08055J2R0BBT	08055J2R0BBTTR	2	50	0.1	1.85	1.64	1.44	3000	1.13
581-08051J2R2BBT	08051J2R2BBTTR	2.2	100	0.1	1.85	1.64	1.44	3000	1.13
581-08055J2R2BBT	08055J2R2BBTTR	2.2	50	0.1	1.85	1.64	1.44	3000	1.13
581-08055J2R7BBT	08055J2R7BBTTR	2.7	50	0.1	1.85	1.64	1.44	3000	1.13
581-08055J3R0BBT	08055J3R0BBTTR	3	50	0.1	1.85	1.64	1.44	3000	1.13
581-08051J3R3BBT	08051J3R3BBTTR	3.3	100	0.1	1.85	1.64	1.44	3000	1.13
581-08055J3R3ABT	08055J3R3ABTTR	3.3	50	0.05	2.07	1.84	1.61	3000	1.27
581-08051J3R9BBT	08051J3R9BBTTR	3.9	100	0.1	1.85	1.64	1.44	3000	1.13
581-08055J3R9BBT	08055J3R9BBTTR	3.9	50	0.1	1.85	1.64	1.44	3000	1.13
581-08051J4R7ABT	08051J4R7ABTTR	4.7	100	0.05	2.07	1.84	1.61	3000	1.27
581-08051J4R7BBT	08051J4R7BBTTR	4.7	100	0.1	1.85	1.64	1.44	3000	1.13
581-08051J5R6BBT	08051J5R6BBTTR	5.6	100	0.1	1.85	1.64	1.44	3000	1.13
581-08055J5R6BBT	08055J5R6BBTTR	5.6	50	0.1	1.85	1.64	1.44	3000	1.13
581-08051J6R2BBT	08051J6R2BBTTR	6.2	100	0.1	1.85	1.64	1.44	3000	1.13
581-08051J6R8ABT	08051J6R8ABTTR	6.8	100	0.05	2.12	1.88	1.65	3000	1.29
581-08055J6R8BBT	08055J6R8BBTTR	6.8	50	0.1	1.18	.94	.82	3000	.71
581-08051J8R2BBT	08051J8R2BBTTR	8.2	100	0.1	1.85	1.64	1.44	3000	1.13
581-08051J100FBT	08051J100FBTTR	10	100	1%	2.12	1.88	1.65	3000	1.29
581-08055J150FBT	08055J150FBTTR	15	50	1%	2.12	1.88	1.65	3000	1.29
581-08055J220FBT	08055J220FBTTR	22	50	1%	2.12	1.88	1.65	3000	1.29
581-08053J330FBT	08053J330FBTTR	33	25	1%	2.12	1.88	1.65	3000	1.29
581-08055J470FBT	08055J470FBTTR	47	50	1%	2.12	1.88	1.65	3000	1.29

AVX ACCU-F® THIN-FILM RF / MICROWAVE CAPACITORS

Accu-F® meets the fast-growing demand for low-loss (high-Q) capacitors for use in surface mount technology especially for the mobile communications market, such as cellular radio of 450 and 900 MHz, UHF walkie-talkies, UHF cordless telephones to 2.3 GHz, low noise blocks at 11-12.5 GHz and for other VHF, UHF and microwave applications. Accu-F® is currently unique in its ability to offer very low capacitance values (0.1pF) and very tight capacitance tolerances (±0.05pF). Typically Accu-F® will be used in small signal applications in VCO's, matching networks, filters, etc. Inspection test and quality control procedures in accordance with ISO 9001, CECC, IECQ and USA MIL Standards yield products of the highest quality.

- Temperature Coefficient: C0G

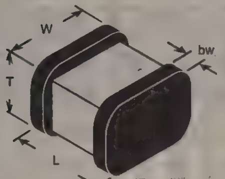
For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Cap. (pF)	Volt. (DC)	Tol. (pF)	Price Each			Reel Qty.	Piece Price
					1	100	500		
581-06031J0R2AAS	06031J0R2AASTR	0.2	100	0.05	1.44	1.28	1.12	3000	.88
581-06035K0R3AAS	06035K0R3AASTR	0.3	50	0.05	2.03	1.80	1.58	3000	1.24
581-06035J1R5AAS	06035J1R5AASTR	1.5	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J1R8AAS	06035J1R8AASTR	1.8	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J4R7AAS	06035J4R7AASTR	4.7	50	0.05	1.44	1.28	1.12	3000	.88
581-06035J100GAS	06035J100GASTR	10	50	2%	1.04	.92	.81	3000	.63
581-06035K100GAS	06035K100GASTR	10	50	2%	1.44	1.28	1.12	3000	.88
581-06035J120FAS	06035J120FASTR	12	50	1%	1.44	1.28	1.12	3000	.88
581-06035K150GAS	06035K150GASTR	15	50	2%	1.44	1.28	1.12	3000	.88
581-06035K220GAS	06035K220GASTR	22	50	2%	1.44	1.28	1.12	3000	.88

AVX SQ and AQ Series Microwave MLCs

RoHS Compliant This page of product is compliant.

RoHS Compliant



DIMENSIONS: mm (in.)				
Case	Length (L)	Width (W)	Thickness (T)	Band Width (bw)
SQCA	.055 + .015 - .010 (1.40 + .381 - .254)	.055 ± .015 (1.40 ± .381)	.020/.057 (.508/1.45)	.010 + .010 - .005 (.254 + .254 - .127)
SQCB	.110 + .020 - .010 (2.79 + .889 - .254)	.110±.010 (2.79±.508)	.030/.102 (.762/2.59)	.015±.010 (.381±.254)
AQ12	.055 + .015 - .010 (1.40 + .381 - .256)	.055 ±. 015 (1.40 ± .381)	.020/.057 (.508/1.45)	.010 + .010 - .005 (.254 + .254 - .127)
AQ14	.110 + .020 - .010 (2.79 + .889 - .508)	.110 ± .010 (2.79 ± .508)	.030/.102 (.762/2.59)	.015 ± .010 (.381 ±.254)

AVX SQ SERIES

These porcelain and ceramic dielectric multilayer capacitor (MLC) chips are best suited for RF/Microwave applications typically ranging from 10MHz to 4.2GHz. Characteristic is a fine grained, high density, high purity dielectric material impervious to moisture with heavy internal palladium electrodes.

These characterics lend well to applications requiring:

Specifications:

- High current carrying capabilities
- High quality factors
- Very low equivalent series resistance
- Very high series resonance
- Excellent stability under stresses of changing voltage, frequency, time and temperature
- Temperature Coefficient: (M) +90 ±20PPM°C, (A) ±30PPM°C

Style SQCA

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt	Tol. ±	Temp Coef.	Price Each				
Mfr.	Mfr. Part Number					1	50	100	500	1000
581	SQCAEM0R1BATME	0.1	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM0R2BATME	0.2	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM0R4BATME	0.4	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM0R5BATME	0.5	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM0R8BATME	0.8	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM1R0BATME	1.0	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM1R2BATME	1.2	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM1R5BATME	1.5	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM1R6BATME	1.6	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM1R8BATME	1.8	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM2R2BATME	2.2	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM2R4BATME	2.4	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM2R7BATME	2.7	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM3R0BATME	3.0	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM3R6BATME	3.6	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM3R9BATME	3.9	150	0.1pF	M	2.21	1.96	1.47	1.23	.98
581	SQCAEM6R8BATME	6.8	150	0.1pF	M	3.38	3.00	2.25	1.88	1.50
581	SQCAEM100FATME	10	150	1%	M	3.87	3.44	2.58	2.15	1.72
581	SQCAEM470JATME	47	150	5%	M	2.25	2.00	1.50	1.25	1.00
581	SQCAEM560JATME	56	150	5%	M	2.25	2.00	1.50	1.25	1.00
581	SQCAEM910JATME	91	150	5%	M	2.25	2.00	1.50	1.25	1.00
581	SQCAEA101JATME	100	150	5%	A	2.25	2.00	1.50	1.25	1.00
581	SQCA5A102JATME	1000	50	5%	A	2.84	2.52	1.89	1.58	1.26

Style SQCB

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt	Tol. (pF)	Temp Coef.	Price Each				
Mfr.	Mfr. Part Number					1	50	100	500	1000
581	SQCB7M1R0BATME	1.0	500	0.1pF	M	1.22	1.12	1.02	.92	.82
581	SQCB7M2R7BATME	2.7	500	0.1pF	M	1.22	1.12	1.02	.92	.82
581	SQCB7M3R9BATME	3.9	500	0.1pF	M	1.22	1.12	1.02	.92	.82
581	SQCB7M4R7BATME	4.7	500	0.1pF	M	1.22	1.12	1.02	.92	.82
581	SQCB7M5R6BATME	5.6	500	0.1pF	M	1.22	1.12	1.02	.92	.82
581	SQCB7M6R8BATME	6.8	500	0.1pF	M	1.90	1.74	1.58	1.42	1.26
581	SQCB7M8R2BATME	8.2	500	0.1pF	M	1.90	1.74	1.58	1.42	1.26
581	SQCB7M100JATME	10	500	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB7M200JATME	20	500	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB7M270JATME	27	500	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB7M470JATME	47	500	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB7M560JATME	56	500	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB7M680JATME	68	500	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB7M820JATME	82	500	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB7M101JATME	100	500	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB2M391JATME	390	200	5%	M	1.25	1.14	1.04	.94	.83
581	SQCB2M471JATME	470	200	5%	M	1.25	1.14	1.04	.94	.83

AVX AQ SERIES

These porcelain and ceramic dielectric multilayer capacitor (MLC) chips are best suited for RF/Microwave applications typically ranging from 10MHz to 4.2GHz. Characteristic is a fine grained, high density, high purity dielectric material impervious to moisture with heavy internal palladium electrodes.

These characterics lend well to applications requiring:

Specifications:

- High current carrying capabilities
- High quality factors
- Very low equivalent series resistance
- Very high series resonance
- Excellent stability under stresses of changing voltage, frequency, time and temperature
- Temperature Coefficient: (M) +90 ±20PPM°C, (A) ±30PPM°C

Style AQ12

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Value (pF)	Volt	Tol. ±	Temp Coef.	Price Each				
Mfr.	Mfr. Part Number					1	50	100	500	1000
581	AQ12EM0R5BATME	0.5	150	0.1pF	M	1.47	1.10	.98	.83	.78
581	AQ12EM0R8BATME	0.8	150	0.1pF	M	3.92	3.43	2.94	1.96	1.72
581	AQ12EM1R0BATME	1.0	150	0.1pF	M	1.47	1.10	.98	.83	.78
581	AQ12EM1R2BATME	1.2	150	0.1pF	M	3.92	3.43	2.94	1.96	1.72
581	AQ12EM1R5BATME	1.5	150	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ12EM1R8BATME	1.8	150	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ12EA1R8BATME	1.8	150	0.1pF	A	1.47	1.23	1.10	.98	.88
581	AQ12EM2R0BATME	2.0	150	0.1pF	M	1.47	1.23	1.10	.98	.88
581	AQ12EM2R2BATME	2.2	150	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ12EM2R2DATME	2.2	150	0.5pF	M	2.23	1.86	1.48	1.11	.74
581	AQ12EM2R7BATME	2.7	150	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ12EM3R3BATME	3.3	150	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ12EM3R9BATME	3.9	150	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ12EM4R7BATME	4.7	150	0.1pF	M	1.47	1.10	.98	.83	.78
581	AQ12EM5R1BATME	5.1	150	0.1pF	M	3.92	3.43	2.94	1.96	1.72
581	AQ12EM5R6BATME	5.6	150	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ12EM6R8BATME	6.8	150	0.1pF	M	2.63	2.44	2.25	2.06	1.88
581	AQ12EM7R5CATME	7.5	150	0.25pF	M	1.83	1.53	1.37	1.22	1.10
581	AQ12EA8R2BATME	8.2	150	0.1pF	A	6.00	5.25	4.50	3.00	2.63
581	AQ12EM100JATME	10	150	5%	M	1.50	1.13	1.00	.85	.80
581	AQ12EM100GATME	10	150	2%	M	4.14	3.45	2.76	2.07	1.38
581	AQ12EM120JATME	12	150	5%	M	1.50	1.25	1.13	1.00	.90
581	AQ12EM150JATME	15	150	5%	M	1.75	1.63	1.50	1.38	1.25
581	AQ12EM270JATME	27	150	5%	M	1.75	1.63	1.50	1.38	1.25
581	AQ12EM330JATME	33	150	5%	M	1.50	1.13	1.00	.85	.80
581	AQ12EM390JATME	39	150	5%	M	1.50	1.13	1.00	.85	.80
581	AQ12EM470JATME	47	150	5%	M	1.75	1.63	1.50	1.38	1.25
581	AQ12EM560JATME	56	150	5%	M	1.75	1.63	1.50	1.38	1.25
581	AQ12EM680JATME	68	150	5%	M	1.75	1.63	1.50	1.38	1.25
581	AQ12EM820JATME	82	150	5%	M	1.75	1.63	1.50	1.38	1.25
581	AQ12EM101GATME	100	150	2%	M	4.14	3.45	2.76	2.07	1.38
581	AQ125A102KATME	1000	50	10%	A	3.60	3.15	2.70	1.80	1.58
581	AQ125A102JATME	1000	50	5%	A	1.89	1.58	1.42	1.26	1.13

Style AQ14

For quantities of 2000 and up, call for quote.

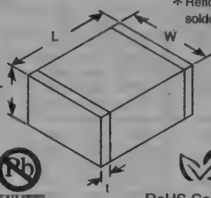
MOUSER STOCK NO.		Value (pF)	Volt	Tol. ±	Temp Coef.	Price Each				
Mfr.	Mfr. Part Number					1	50	100	500	1000
581	AQ147M0R1BATME	0.1	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M0R2BATME	0.2	500	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ147M0R3BATME	0.3	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M0R4BATME	0.4	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M0R5BATME	0.5	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M0R6BATME	0.6	500	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ147M0R7BATME	0.7	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M0R8BATME	0.8	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M0R9BATME	0.9	500	0.1pF	M	1.72	1.59	1.47	1.35	1.23
581	AQ147M1R0BATME	1.0	500	0.1pF	M	1.43	1.33	1.22	1.12	1.02
581	AQ147M1R1BATME	1.1	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M1R2BATME	1.2	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M1R3BATME	1.3	500	0.1pF	M	1.22	1.02	.92	.82	.73
581	AQ147M2R7BATME	2.7	500	0.1pF	M	1.43	1.33	1.22	1.12	1.02
581	AQ147M3R9BATME	3.9	500	0.1pF	M	1.43	1.33	1.22	1.12	1.02
581	AQ147M4R7BATME	4.7	500	0.1pF	M	1.43	1.33	1.22	1.12	1.02
581	AQ147M5R6BATME	5.6	500	0.1pF	M	1.43	1.33	1.22	1.12	1.02
581	AQ147M6R8BATME	6.8	500	0.1pF	M	2.21	2.05	1.90	1.74	1.58
581	AQ147M8R2BATME	8.2	500	0.1pF	M	2.21	2.05	1.90	1.74	1.58
581	AQ147M100JATME	10	500	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ147M100FATME	10	500	1%	M	2.16	1.80	1.62	1.44	1.30
581	AQ147M110GATME	11	500	2%	M	1.75	1.46	1.31	1.17	1.05
581	AQ147M150FATME	15	500	1%	M	4.32	3.60	2.88	2.16	1.44
581	AQ147M200JATME	20	500	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ147M270JATME	27	500	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ147M470JATME	47	500	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ147A470JATME	47	500	5%	A	1.25	1.04	.94	.83	.75
581	AQ147A510JATME	51	500	5%	A	1.25	1.04	.94	.83	.75
581	AQ147M560JATME	56	500	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ147M680JATME	68	500	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ147M820JATME	82	500	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ147M101JATME	100	500	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ149A151FATME	150	300	1%	A	2.16	1.80	1.62	1.44	1.30
581	AQ142M271JATME	270	200	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ142M391JATME	390	200	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ142A431KATME	430	200	10%	A	.89	.74	.67	.59	.53
581	AQ142M471JATME	470	200	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ14EM821JATME	820	150	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ14EM102JATME	1000	150	5%	M	1.46	1.35	1.25	1.14	1.04
581	AQ14EA102KATME	1000	150	10%	A	.89	.74	.67	.59	.53
581	AQ145A472JATME	4700	50	5%	A	1.82	1.69	1.56	1.43	1.30

AVX High Voltage MLC Chip Capacitors

AVX
A KYOCERA GROUP COMPANY

COG Dielectric Performance Characteristics:
- Dissipation Factor : 0.1% max. (+25°C, 1.0 ± 0.2 Vrms, 1kHz, for ≤ 1000 pF use 1 MHz)
- Operating Temperature Range : -55°C to +125°C
- Temperature Characteristic : 0 ± 30 ppm/°C (0 VDC)
- Dielectric Strength: 120% rated voltage for 5 seconds at 50 mA max. current.

X7R Dielectric Performance Characteristics:
- Dissipation Factor : 2.5% max. (+25°C, 1.0 ± 0.2 Vrms, 1kHz)
- Operating Temperature Range : -55°C to +125°C
- Temperature Characteristic : 0 ± 30 ppm/°C (0 VDC)
- Dielectric Strength: 120% rated voltage for 5 seconds at 50 mA max. current.



* Reflow soldering only

RoHS Compliant

AVX special high voltage MLC chip capacitors meet the performance characteristics and are designed for applications requiring High value, low leakage and small size. These high voltage chip designs exhibit low ESRs at high frequencies.

Size	1206	1210	1808 *	1812 *	1825 *	2225 *
(L) Length	3.20 ± .20 (.126 ± .008)	3.20 ± .20 (.126 ± .008)	4.57 ± .25 (.180 ± .01)	4.50 ± .30 (.177 ± .012)	4.50 ± .30 (.177 ± .012)	5.72 ± .25 (.225 ± .016)
(W) Width	1.60 ± .20 (.063 ± .008)	2.50 ± .20 (.098 ± .008)	2.03 ± .25 (.080 ± .01)	3.20 ± .20 (.126 ± .008)	6.40 ± .30 (.252 ± .012)	6.35 ± .25 (.250 ± .010)
(T) Thickness Max.	1.52 (.06)	1.70 (.067)	2.03 (.080)	2.54 (.100)	2.54 (.100)	2.54 (.100)
(t) Terminal Min. Max.	.25 (.01) .75 (.03)	.25 (.01) .75 (.03)	.25 (.01) 1.02 (.04)	.25 (.01) 1.02 (.04)	.25 (.01) 1.02 (.04)	.25 (.01) 1.02 (.04)

Style 1206

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty	Price Per Piece
					1	100	500		
Temperature Coef: C0G									
581-1206AA220K	1206AA220KAT1A	22	1000	10%	.62	.58	.54	2000	.31
581-1206GA330K	1206GA330KAT1A	33	2000	10%	.62	.58	.54	2000	.39
581-1206SA390J	1206SA390JAT1A	39	1500	5%	1.03	.98	.90	2000	.64
581-1206AA470K	1206AA470KAT1A	47	1000	10%	.60	.57	.53	2000	.45
581-1206SA101J	1206SA101JAT1A	100	1500	5%	.72	.68	.63	2000	.36
581-1206AA221J	1206AA221JAT1A	220	1000	5%	.72	.67	.63	2000	.54
581-1206AA471J	1206AA471JAT1A	470	1000	5%	.72	.68	.63	2000	.45
Temperature Coef: X7R									
581-1206GC101K	1206GC101KAT1A	100	2000	10%	.60	.57	.53	2000	.38
581-1206GC221K	1206GC221KAT1A	220	2000	10%	.62	.59	.54	2000	.39
581-1206CC471K	1206CC471KAT1A	470	600	10%	.60	.52	.44	2000	.30
581-1206AC471K	1206AC471KAT1A	470	1000	10%	.62	.54	.46	2000	.31
581-1206SC471K	1206SC471KAT1A	470	1500	10%	.66	.63	.58	2000	.41
581-1206CC102K	1206CC102KAT1A	1000	600	10%	.60	.57	.53	2000	.30
581-1206AC102K	1206AC102KAT1A	1000	1000	10%	.60	.57	.39	2000	.225
581-1206GC102K	1206GC102KAT1A	1000	2000	10%	.66	.58	.58	2000	.49
581-1206SC122K	1206SC122KAT1A	1200	1500	10%	1.20	1.15	1.05	2000	.75
581-1206AC222K	1206AC222KAT1A	2200	1000	10%	.60	.53	.39	2000	.225
581-1206AC392K	1206AC392KAT1A	3900	1000	10%	.60	.53	.45	2000	.30
581-1206AC472K	1206AC472KAT1A	4700	1000	10%	.60	.57	.53	2000	.38
581-1206CC103K	1206CC103KAT1A	0.01µF	600	10%	.60	.57	.53	2000	.30

Style 1210

For quantities of 4,000 and up, call for quote.

Temperature Coef: COG									
581-1210SA221K	1210SA221KAT1A	220	1500	10%	1.20	1.05	.90	2000	.60
581-1210AA331K	1210AA331KAT1A	330	1000	10%	.80	.77	.70	2000	.40
Temperature Coef: X7R									
581-1210GC821K	1210GC821KAT1A	820	2000	10%	2.20	1.50	1.30	2000	.75
581-1210AC102K	1210AC102KAT1A	1000	1000	10%	.80	.76	.70	2000	.40
581-1210GC102K	1210GC102KAT1A	1000	2000	10%	.70	.66	.60	2000	.50
581-1210GC102M	1210GC102MAT1A	1000	2000	20%	.78	.75	.69	2000	.39
581-1210AC272K	1210AC272KAT1A	2700	1000	10%	.80	.70	.60	2000	.40
581-1210SC272K	1210SC272KAT1A	2700	1500	10%	.82	.72	.62	2000	.41
581-1210SC272M	1210SC272MAT1A	2700	1500	20%	.78	.75	.69	2000	.49
581-1210AC472K	1210AC472KAT1A	4700	1000	10%	.82	.78	.72	2000	.52
581-1210AC103K	1210AC103KAT1A	0.01µF	1000	10%	.80	.72	.70	2000	.60
581-1210CC223K	1210CC223KAT1A	0.022µF	600	10%	2.20	1.75	1.30	2000	.75

Style 1808

For quantities of 4,000 and up, call for quote.

Temperature Coef: COG									
581-1808HA270K	1808HA270KAT1A	27	3000	10%	1.24	1.10	1.08	2000	.93
581-1808AA300K	1808AA300KAT1A	30	1000	10%	1.20	1.05	.90	2000	.60
581-1808AA330K	1808AA330KAT1A	33	1000	10%	1.20	1.05	.90	2000	.60
581-1808HA330K	1808HA330KAT1A	33	3000	10%	1.20	1.05	.90	2000	.75
581-1808CA470M	1808CA470MAT1A	47	600	20%	1.18	1.03	.88	2000	.59
581-1808HA470K	1808HA470KAT1A	47	3000	10%	1.24	1.08	.93	2000	.62
581-1808AA680K	1808AA680KAT1A	68	1000	10%	1.14	1.09	1.00	2000	.71
581-1808HA820K	1808HA820KAT1A	82	3000	10%	1.20	1.10	1.05	2000	.90
581-1808AA101K	1808AA101KAT1A	100	1000	10%	1.44	1.26	1.08	2000	.72
581-1808GA221J	1808GA221JAT1A	220	2000	5%	1.48	1.42	1.30	2000	.93
581-1808AA331K	1808AA331KAT1A	330	1000	10%	1.24	1.08	.93	2000	.62
581-1808AA102K	1808AA102KAT1A	1000	1000	10%	1.24	1.08	.93	2000	.62
Temperature Coef: X7R									
581-1808HC330M	1808HC330MAT1A	33	3000	20%	1.18	1.03	.88	2000	.59
581-1808GC471K	1808GC471KAT1A	470	2000	10%	1.20	1.15	1.05	2000	.75
581-1808AC102K	1808AC102KAT1A	1000	1000	10%	.90	.75	.60	2000	.54
581-1808GC102K	1808GC102KAT1A	1000	2000	10%	1.20	1.14	1.05	2000	.90
581-1808GC102M	1808GC102MAT1A	1000	2000	20%	.40	.38	.35	2000	.20
581-1808HC102K	1808HC102KAT1A	1000	3000	10%	1.20	1.14	1.05	2000	.90
581-1808WC122K	1808WC122KAT1A	1200	2500	10%	1.54	1.45	1.34	2000	1.12
581-1808GC152M	1808GC152MAT1A	1500	2000	20%	1.18	1.03	.88	2000	.59
581-1808AC222K	1808AC222KAT1A	2200	1000	10%	1.24	1.18	1.08	2000	.77
581-1808AC472K	1808AC472KAT1A	4700	1000	10%	1.20	1.05	.90	2000	.60
581-1808AC682K	1808AC682KAT1A	6800	1000	10%	2.50	2.10	1.95	2000	1.12
581-1808SC102K	1808SC102KAT1A	1000	1500	10%	.99	.83	.66	2000	.59
581-1808AC103K	1808AC103KAT1A	0.01µF	1000	10%	1.24	1.18	1.08	2000	.77

Style 1812

For quantities of 2,000 and up, call for quote.

Temperature Coef: COG									
581-1812HA270K	1812HA270KAT1A	27	3000	10%	1.32	1.25	1.15	1000	.99
581-1812HA470J	1812HA470JAT1A	47	3000	5%	1.58	1.50	1.39	1000	1.19
581-1812GA560J	1812GA560JAT1A	56	2000	5%	1.28	1.21	1.12	1000	.96
581-1812CA101K	1812CA101KAT1A	100	600	10%	1.32	1.25	1.15	1000	.99
581-1812AA101J	1812AA101JAT1A	100	1000	5%	1.28	1.21	1.12	1000	.96
581-1812HA101K	1812HA101KAT1A	100	3000	10%	1.54	1.45	1.34	1000	1.15

Style 1812 (cont.)

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (pF)	Volt	Tol. ±	Price Each			Reel Qty	Price Per Piece
					1	100	500		
Temperature Coef: C0G (cont.)									
581-1812GA151J	1812GA151JAT1A	150	2000	5%	1.54	1.45	1.34	1000	1.15
581-1812AA221K	1812AA221KAT1A	220	1000	10%	1.32	1.25	1.15	1000	.99
581-1812HA221J	1812HA221JAT1A	220	3000	5%	1.54	1.45	1.34	1000	1.15
581-1812HA221K	1812HA221KAT1A	220	3000	10%	1.28	1.21	1.12	1000	.96
581-1812GA331J	1812GA331JAT1A	330	2000	5%	1.54	1.45	1.34	1000	1.15
581-1812AA471J	1812AA471JAT1A	470	1000	5%	1.54	1.45	1.34	1000	1.15
581-1812GA471J	1812GA471JAT1A	470	2000	5%	1.34	1.31	1.25	1000	1.15
581-1812SA561K	1812SA561KAT1A	560	1500	10%	1.20	1.14	1.05	1000	.90
581-1812AA821J	1812AA821JAT1A	820	1000	5%	1.60	1.52	1.40	1000	1.20
581-1812AA102K	1812AA102KAT1A	1000	1000	10%	1.28	1.21	1.12	1000	.96
Temperature Coef: X7R									
581-1812GC331M	1812GC331MAT1A	330	2000	20%	1.25	1.19	1.10	1000	.94
581-1812HC102K	1812HC102KAT1A	1000	3000	10%	1.44	1.38	1.22	2000	.90
581-1812AC102K	1812AC102KAT1A	1000	1000	10%	.96	.88	.80	2000	.76
581-1812GC102K	1812GC102KAT1A	1000	2000	10%	1.28	1.21	1.12	1000	.96
581-1812GC102M	1812GC102MAT1A	1000	2000	20%	1.22	1.15	1.06	1000	.91
581-1812WC102K	1812WC102KAT1A	1000	2500	10%	1.32	1.25	1.15	1000	.99
581-1812WC122M	1812WC122MAT1A	1200	2500	20%	1.68	1.59	1.47	1000	1.14
581-1812GC272K	1812GC272KAT1A	2700	2000	10%	1.28	1.21	1.12	1000	.96
581-1812GC332K	1812GC332KAT1A	3300	2000	10%	1.28	1.21	1.12	1000	.96
581-1812AC472K	1812AC472KAT1A	4700	1000	10%	1.54	1.45	1.34	1000	1.15
581-1812SC472K	1812SC472KAT1A	4700	1500	10%	1.32	1.25	1.15	1000	.99
581-1812GC472K	1812GC472KAT1A	4700	2000	10%	3.12	2.95	2.08	1000	1.20
581-1812AC502K	1812AC502KAT1A	5000	1000	10%	1.28	1.21	1.12	1000	.96
581-1812SC562K	1812SC562KAT1A	5600	1500	10%	1.32	1.25	1.15	1000	.99
581-1812CC103K	1812CC103KAT1A	0.01µF	600	10%	1.54	1.45	1.34	1000	1.15
581-1812AC103J	1812AC103JAT1A	0.01µF	1000	5%	1.54	1.47	1.34	2000	.96
581-1812AC103M	1812AC103MAT1A	0.01µF	1000	20%	1.22	1.15	1.06	1000	.91
581-1812AC203M	1812AC203MAT1A	0.02µF	1000	20%	1.22	1.15	1.06	1000	.91
581-1812AC223K	1812AC223KAT1A	0.022µF	1000	10%	1.28	1.21	1.12	1000	.96
581-1812AC223M	1812AC223MAT1A	0.022µF	1000	20%	1.28	1.21	1.12	1000	.96
581-1812AC273K	1812AC273KAT1A	0.027µF	1000	10%	1.28	1.21	1.12	1000	.96
581-1812AC273M	1812AC273MAT1A	0.027µF	1000	20%	1.25	1.19	1.10	1000	.94
581-1812CC333K	1812CC333KAT1A	0.033µF	600	10%	1.28	1.21	1.12	1000	.96
581-1812CC473K	1812CC473KAT1A	0.047µF	600	10%	1.28	1.21	1.12	1000	.96
581-1812CC683K	1812CC683KAT1A	0.068µF	600	10%	1.28	1.21	1.12	1000	.96

Style 1825

For quantities of 2,000 and up, call for quote.

Temperature Coef: COG									
581-1825GA331K	1825GA331KAT1A	330	2000	10%	1.73	1.64	1.52	1000	1.30
581-1825HA471K	1825HA471KAT1A	470	3000	10%	2.02	1.91	1.76	1000	1.51
581-1825HA681J	1825HA681JAT1A	680	3000	5%	2.02	1.91	1.76	1000	1.51
581-1825GA102K	1825GA102KAT1A	1000	2000	10%	1.73	1.64	1.52	1000	1.30
581-1825WA102J	1825WA102JAT1A	1000	2500	5%	2.02	1.91	1.76	1000	1.51
581-1825WA102K	1825WA102KAT1A	1000	2500	10%	1.68	1.59	1.47	1000	1.26
581-1825CA103K	1825CA103KAT1A	0.01µF	600	10%	1.68	1.59	1.47	1000	1.26
581-1825AA332J	1825AA332JAT1A	3300	1000	5%	2.02	1.92	1.76	500	1.51
581-1825AA472J	1825AA472JAT1A	4700	1000	5%	2.02	1.91	1.76	1000	1.51
581-1825CA123K	1825CA123KAT1A	0.012µF	600	10%	1.68	1.59	1.47	1000	1.26
Temperature Coef: X7R									
581-1825AC104K	1825AC104KAT1A	0.1µF	1000	10%	1.40	1.33	1.23	1000	1.05
581-1825SC123K	1825SC123KAT1A	0.012µF	1500	10%	1.73	1.64	1.52	1000	1.30
581-1825AC473K	1825AC473KAT1A	0.047µF	1000	10%	1.68	1.59	1.47	1000	1.26
581-1825CC104K	1825CC104KAT1A	0.1µF	600	10%	1.68	1.59	1.47	1000	1.26
581-1825CC154K	1825CC154KAT1A	0.15µF	600	10%	1.73	1.64	1.52	1000	1.30
581-1825CC154M	1825CC154MAT1A	0.15µF	600	20%	1.60	1.52	1.40	1000	1.20

Style 2225

For quantities of 2,000 and up, call for quote.

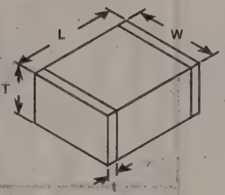
Temperature Coef: COG									
581-2225HA681K	2225HA681KAT1A	680	3000	10%	2.96	2.80	2.59	1000	2.22
581-2225GA102K	2225GA102KAT1A	1000	2000	10%	3.22	3.05	2.81	1000	2.41
581-2225AA472M	2225AA472MAT1A	4700	1000	20%	3.12	2.97	2.73	500	2.34
581-2225AA822K	2225AA822KAT1A	8200	1000	10%	3.22	3.06	2.81	500	1.40
Temperature Coef: X7R									
581-2225GC102K	2225GC102KAT1A	1000	2000	10%	3.12	2.95	2.73	1000	2.34
581-2225HC102K	2225HC102KAT1A	1000	3000	10%	3.12	2.95	2.73	1000	2.34
581-2225HC332K	2225HC332KAT1A	3200	3000	10%	3.22	3.05	2.81	1000	2.41
581-2225GC472K	2225GC472KAT1A	4700	2000	10%	3.22	3.06	2.81	500	2.41
581-2225GC103K	2225GC103KAT1A	0.01µF	2000	10%	2.29	2.17	2.00	1000	1.72
581-2225WC103K	2225WC103KAT1A	0.01µF	2500	10%	2.34	2.17	1.95	1000	1.76
581-2225CC333K	2225CC333KAT1A	0.033µF	600	10%	3.22	3.05	2.81	1000	2.41
581-2225AC823K	2225AC823KAT1A	0.082µF	1000	10%	3.22	3.05	2.81	1000	2.41
581-2225CC104K	2225CC104KAT1A	0.1µF	600	10%	2.42	2.29	2.12	1000	1.82
581-2225AC104K	2225AC104KAT1A	0.1µF	1000	10%	3.12	2.95	2.73	1000	2.34
581-2225CC224K	2225CC224KAT1A	0.22µF	600	10%	2.42	2.29	2.12	1000	1.82

AVX Tin/Lead Chip Capacitors

AVX
A KYOCERA GROUP COMPANY

MLCC TIN/LEAD TERMINATION "B"

AVX Corporation will support those customers for commercial and military Multilayer Ceramic Capacitors with a termination consisting of 5% minimum lead. This termination is indicated by the use of a "B" in the 12th position of the AVX Catalog Part Number. This fulfills AVX's commitment to providing a full range of products to our customers.



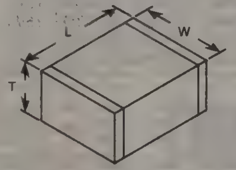
Size	LD03	LD05	LD06
Soldering	Reflow Only	Reflow/Wave	Reflow/Wave
Packaging	All Paper	Paper/Embossed	Paper/Embossed
(L) Length	1.60 ± 0.15 (0.063 ± 0.006)	2.01 ± 0.20 (0.079 ± 0.008)	3.20 ± 0.20 (0.126 ± 0.008)
(W) Width	0.81 ± 0.15 (0.032 ± 0.006)	1.25 ± 0.20 (0.049 ± 0.008)	1.60 ± 0.20 (0.063 ± 0.008)
(t) Terminal	0.35 ± 0.15 (0.014 ± 0.006)	0.50 ± 0.25 (0.020 ± 0.010)	0.50 ± 0.25 (0.020 ± 0.010)

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each					Reel Qty	Price Each
							1	100	500	1000	2000		
0603													
581-LD035A150JAB2A	LD035A150JAB2A	C0G	15	50	5%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035A220JAB2A	LD035A220JAB2A	C0G	22	50	5%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035A101JAB2A	LD035A101JAB2A	C0G	100	50	5%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD031A101JAB2A	LD031A101JAB2A	C0G	100	100	5%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035A221JAB2A	LD035A221JAB2A	C0G	220	50	5%	0.86 (0.034)	.55	.46	.36	.32	.27	4000	.23
581-LD035A331JAB2A	LD035A331JAB2A	C0G	330	50	5%	0.86 (0.034)	.58	.49	.39	.34	.29	4000	.24
581-LD035A471JAB2A	LD035A471JAB2A	C0G	470	50	5%	0.86 (0.034)	.30	.25	.20	.18	.17	4000	.16
581-LD035C102KAB2A	LD035C102KAB2A	X7R	1000	50	10%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035C222KAB2A	LD035C222KAB2A	X7R	2200	50	10%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD03YC103KAB2A	LD03YC103KAB2A	X7R	0.01μF	16	10%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD035C103KAB2A	LD035C103KAB2A	X7R	0.01μF	50	10%	0.86 (0.034)	.53	.45	.36	.31	.27	4000	.22
581-LD031C103KAB2A	LD031C103KAB2A	X7R	0.01μF	100	10%	0.86 (0.034)	.67	.56	.44	.39	.33	4000	.28
581-LD03YC104KAB2A	LD03YC104KAB2A	X7R	0.1μF	16	10%	0.86 (0.034)	.70	.58	.46	.40	.35	4000	.29
581-LD035C104KAB2A	LD035C104KAB2A	X7R	0.1μF	50	10%	0.86 (0.034)	.69	.58	.46	.40	.35	4000	.29
0805													
581-LD055A100KAB2A	LD055A100KAB2A	C0G	10	50	10%	0.71 (0.028)	.53	.45	.36	.31	.27	4000	.22
581-LD051A220KAB2A	LD051A220KAB2A	C0G	22	100	10%	0.71 (0.028)	.53	.45	.36	.31	.27	4000	.22
581-LD051A470KAB2A	LD051A470KAB2A	C0G	47	100	10%	0.71 (0.028)	.53	.45	.36	.31	.27	4000	.22
581-LD051A101JAB2A	LD051A101JAB2A	C0G	100	100	5%	0.71 (0.028)	.55	.46	.36	.32	.27	4000	.23
581-LD051A101KAB2A	LD051A101KAB2A	C0G	100	100	10%	0.71 (0.028)	.53	.45	.36	.31	.27	4000	.22
581-LD055A331JAB2A	LD055A331JAB2A	C0G	330	50	5%	0.71 (0.028)	.58	.48	.38	.34	.29	4000	.24
581-LD051A471JAB2A	LD051A471JAB2A	C0G	470	100	5%	0.94 (0.037)	.58	.48	.38	.34	.29	4000	.24
581-LD051A102JAB2A	LD051A102JAB2A	C0G	1000	100	5%	0.94 (0.037)	.61	.51	.40	.35	.30	4000	.25
581-LD051A102KAB2A	LD051A102KAB2A	C0G	1000	100	10%	0.94 (0.037)	.58	.49	.39	.34	.29	4000	.24
581-LD055C102KAB2A	LD055C102KAB2A	X7R	1000	50	10%	0.94 (0.037)	.55	.46	.36	.32	.27	4000	.23
581-LD051C102KAB2A	LD051C102KAB2A	X7R	1000	100	10%	0.94 (0.037)	.55	.46	.36	.32	.27	4000	.23
581-LD055C472KAB2A	LD055C472KAB2A	X7R	4700	50	10%	1.40 (0.055)	.55	.46	.36	.32	.27	4000	.23
581-LD055C103KAB2A	LD055C103KAB2A	X7R	0.01μF	50	10%	0.94 (0.037)	.55	.46	.36	.32	.27	4000	.23
581-LD051C103KAB2A	LD051C103KAB2A	X7R	0.033μF	100	10%	0.94 (0.037)	.55	.46	.36	.32	.27	4000	.23
581-LD055C333KAB2A	LD055C333KAB2A	X7R	0.047μF	50	10%	1.27 (0.050)	.56	.47	.38	.33	.28	4000	.24
581-LD055C473KAB2A	LD055C473KAB2A	X7R	0.047μF	50	10%	1.27 (0.050)	.56	.47	.38	.33	.28	4000	.24
581-LD051C473KAB2A	LD051C473KAB2A	X7R	0.047μF	100	10%	1.27 (0.050)	.62	.58	.52	.41	- -	2000	.31
581-LD055C683KAB2A	LD055C683KAB2A	X7R	0.063μF	50	10%	1.27 (0.050)	.56	.47	.38	.33	.28	4000	.24
581-LD053C104KAB2A	LD053C104KAB2A	X7R	0.1μF	25	10%	0.94 (0.037)	.56	.47	.38	.33	.28	4000	.24
581-LD053C224KAB2A	LD053C224KAB2A	X7R	0.22μF	25	10%	1.27 (0.050)	.61	.57	.51	.41	- -	2000	.31
1206													
581-LD065C103KAB2A	LD065C103KAB2A	X7R	0.01μF	50	10%	0.94 (0.037)	.59	.49	.39	.34	.29	4000	.24
581-LD065C104KAB2A	LD065C104KAB2A	X7R	0.1μF	50	10%	0.94 (0.037)	.62	.52	.41	.36	.31	4000	.26
581-LD061C104KAB2A	LD061C104KAB2A	X7R	0.1μF	100	10%	1.27 (0.050)	.63	.58	.53	.42	- -	2000	.32
581-LD065C224KAB2A	LD065C224KAB2A	X7R	0.22μF	50	10%	0.94 (0.037)	.75	.62	.50	.44	.37	4000	.31
581-LD065C334KAB2A	LD065C334KAB2A	X7R	0.33μF	50	10%	1.27 (0.050)	.77	.72	.65	.52	- -	2000	.39
581-LD065C474KAB2A	LD065C474KAB2A	X7R	0.47μF	50	10%	1.27 (0.050)	.77	.72	.65	.52	- -	2000	.39
581-LD063C105KAB2A	LD063C105KAB2A	X7R	1.0μF	25	10%	1.78 (0.07)	1.33	1.23	1.11	.89	- -	2000	.69

HIGH VOLTAGE MLC CHIPS TIN/LEAD TERMINATION "B"

Larger physical sizes than normally encountered chips are used to make high voltage MLC chip product. Special precautions must be taken in applying these chips in surface mount assemblies. The temperature gradient during heating or cooling cycles should not exceed 4°C per second. The preheat temperature must be within 50°C of the peak temperature reached by the ceramic bodies through the soldering process. Chip sizes 1808 and larger should be reflow soldered only. Capacitors may require protective surface coating to prevent external arcing.



Size	LD06	LD08	LD12	LD13
(L) Length	3.20 ± 0.2 (0.126 ± 0.008)	4.57 ± 0.25 (0.180 ± 0.010)	4.50 ± 0.3 (0.177 ± 0.012)	4.50 ± 0.3 (0.177 ± 0.012)
(W) Width	1.60 ± 0.2 (0.063 ± 0.008)	2.03 ± 0.25 (0.080 ± 0.010)	3.20 ± 0.2 (0.126 ± 0.008)	6.40 ± 0.3 (0.252 ± 0.012)

For quantities of 2,000 and up, call for quote.

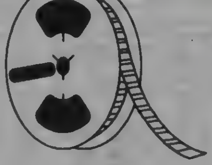
MOUSER STOCK NO.	AVX Part Number	Dielectric	Value (pF)	Voltage	Tol. (±)	Thickness Max. (T)	Price Each				Reel Qty	Price Each
							1	100	500	1000		
1206												
581-LD06GA220KAB1A	LD06GA220KAB1A	C0G	22	2000	10%	1.52 (0.060)	.90	.86	.75	.60	2000	.53
581-LD06GC101KAB1A	LD06GC101KAB1A	X7R	100	2000	10%	1.52 (0.060)	.90	.84	.75	.60	2000	.53
581-LD06GC102KAB1A	LD06GC102KAB1A	X7R	1000	2000	10%	1.52 (0.060)	.90	.84	.75	.60	2000	.53
581-LD06AC472KAB1A	LD06AC472KAB1A	X7R	4700	1000	10%	1.52 (0.060)	.90	.84	.75	.60	2000	.53
581-LD06CC103KAB1A	LD06CC103KAB1A	X7R	0.01μF	600	10%	1.52 (0.060)	.90	.84	.75	.60	2000	.53
1808												
581-LD08HC471KAB1A	LD08HC471KAB1A	X7R	470	3000	10%	2.03 (0.080)	1.80	1.73	1.50	1.20	2000	1.05
581-LD08AC103KAB1A	LD08AC103KAB1A	X7R	0.01μF	1000	10%	2.03 (0.080)	1.80	1.73	1.50	1.20	2000	1.05
581-LD08AC153KAB1A	LD08AC153KAB1A	X7R	0.015μF	1000	10%	2.03 (0.080)	1.80	1.73	1.50	1.20	2000	1.05
1812												
581-LD12HA221JAB1A	LD12HA221JAB1A	C0G	220	3000	5%	2.54 (0.100)	2.30	2.14	1.92	1.54	2000	1.34
581-LD12GA331JAB1A	LD12GA331JAB1A	C0G	330	2000	5%	2.54 (0.100)	2.30	2.14	1.92	1.54	2000	1.34
581-LD12HC102KAB1A	LD12HC102KAB1A	X7R	1000	3000	10%	2.54 (0.100)	1.92	1.78	1.60	- -	1000	1.12
581-LD12AC103KAB1A	LD12AC103KAB1A	X7R	0.01μF	1000	10%	2.54 (0.100)	1.92	1.78	1.60	- -	1000	1.12
1825												
581-LD13HC272KAB1A	LD13HC272KAB1A	X7R	2700	3000	10%	2.54 (0.100)	2.52	2.34	2.10	- -	1000	1.47
581-LD13GC562KAB1A	LD13GC562KAB1A	X7R	5600	2000	10%	2.54 (0.100)	2.52	2.34	2.10	- -	1000	1.47
581-LD13CA103KAB1A	LD13CA103KAB1A	C0G	0.01μF	600	10%	2.54 (0.100)	2.52	2.34	2.10	- -	1000	1.47
581-LD13GC103KAB1A	LD13GC103KAB1A	X7R	0.01μF	2000	10%	2.54 (0.100)	2.52	2.34	2.10	- -	1000	1.47
581-LD13CC154KAB1A	LD13CC154KAB1A	X7R	0.15μF	600	10%	2.54 (0.100)	2.52	2.34	2.10	- -	1000	1.47

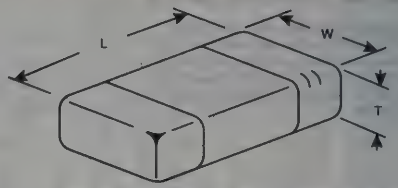
AVX Hi-Cap - Multilayer Ceramic Chip Capacitors and Kits

Application Note:
A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

Features:
- Temperature coefficient C0G (NP0) -55°C to +125°C
  X7R -55°C to +125°C
  X5R -55°C to +85°C
  Y5V -30°C to +85°C
- Preferred Tolerances: ±5%, 10%, 20%

RoHS Compliant





DIMENSIONS: mm (in.)

Size	(L) Length	(W) Width	(T) Thickness
0402	1 ± 0.1 (.04 ± .004)	.5 ± 0.10 (.002 ± .004)	.6 (.024)
0603	1.6 ± .15 (.063 ± .006)	.81 ± .15 (.032 ± .006)	.9 (.035)
0805	2.01 ± .2 (.079 ± .008)	1.25 ± .2 (0.49 ± .008)	1.3 (.051)
1206	3.20 ± .2 (.126 ± .008)	1.6 ± .2 (0.063 ± .008)	1.5 (.059)
1210	3.2 ± .2 (.126 ± .008)	2.50 ± .2 (.098 ± .008)	.5±.25 (.02±.01)

Style 0402

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (μF)	Volt	Tol. ±	Price Each			Reel	
						1	100	1000	Qty. Per Reel	Price Ea.
581-04024D105M	04024D105MAT2A	X5R	1	4	10	.36	.34	.30	10000	.29
581-04026D105M	04026D105KAT2A	X5R	1	6.3	10	.36	.34	.30	10000	.27
581-0402ZD105M	0402ZD105KAT2A	X5R	1	10	10	.36	.34	.30	10000	.27
581-04024D225M	04024D225MAT2A	X5R	2.2	4	10	.38	.35	.30	10000	.27

Style 0603

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (μF)	Volt	Tol. ±	Price Each			Reel	
						1	100	1000	Qty. Per Reel	Price Ea.
581-06036D105K	06036D105KAT2A	X5R	1	6.3	10	.66	.60	.39	4000	.225
581-0603ZD105K	0603ZD105KAT2A	X5R	1	10	10	.17	.15	.104	4000	.06
581-0603ZG105Z	0603ZG105ZAT2A	Y5V	1	10	80,±20	1.10	.87	.60	4000	.40
581-0603YD105K	0603YD105KAT2A	X5R	1	16	10	.22	.18	.13	4000	.08
581-06033D105K	06033D105KAT2A	X5R	1	25	10	.36	.34	.30	4000	.26
581-06034D225K	06034D225KAT2A	X5R	2.2	4	10	.93	.90	.82	4000	.70
581-06036D225K	06036D225KAT2A	X5R	2.2	6.3	10	.44	.30	.26	4000	.15
581-0603ZD225K	0603ZD225KAT2A	X5R	2.2	10	10	1.00	.95	.88	4000	.83
581-0603YD225K	0603YD225KAT2A	X5R	2.2	16	10	1.00	.95	.88	4000	.83
581-0603YD475K	0603YD475KAT2A	X5R	4.7	16	10	1.44	1.28	1.12	4000	.96
581-06034D106M	06034D106MAT2A	X5R	10	4	20	1.05	1.04	1.00	3000	.95

Style 0805

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (μF)	Volt	Tol. ±	Price Each			Reel	
						1	100	1000	Qty. Per Reel	Price Ea.
581-0805ZC105K	0805ZC105KAT2A	X7R	1	10	10	.60	.53	.51	2000	.37
581-0805YD105K	0805YD105KAT2A	X5R	1	16	10	.27	.25	.162	3000	.093
581-08053D105K	08053D105KAT2A	X5R	1	25	10	1.20	.92	.71	3000	.41
581-08055D105K	08055D105KAT2A	X5R	1	50	10	1.32	1.05	.84	3000	.46
581-0805YG105Z	0805YG105ZAT2A	Y5V	1	16	80,±20	.34	.32	.30	3000	.17
581-08053G105Z	08053G105ZAT2A	Y5V	1	25	80,±20	.33	.32	.195	3000	.112
581-0805YD155K	0805YD155KAT2A	X5R	1.5	16	10	1.32	1.20	1.05	3000	.99
581-0805YG225Z	0805YG225ZAT2A	Y5V	2.2	16	80,±20	.80	.76	.70	3000	.60
581-0805YD225K	0805YD225KAT2A	X5R	2.2	16	10	.99	.85	.58	3000	.33
581-08053D225K	08053D225KAT2A	X5R	2.2	25	10	1.44	1.38	1.28	3000	1.12
581-08056D335K	08056D335KAT2A	X5R	3.3	6.3	10	1.12	1.07	.98	3000	.92
581-0805ZD335K	0805ZD335KAT2A	X5R	3.3	10	10	.66	.50	.39	3000	.225
581-0805ZG475Z	0805ZG475ZAT2A	U5V	4.7	10	80,±20	.93	.75	.55	3000	.31
581-08056D475K	08056D475KAT2A	X5R	4.7	6.3	10	.60	.50	.35	3000	.20
581-0805ZD475K	0805ZD475KAT2A	X5R	4.7	10	10	.71	.60	.42	3000	.24
581-0805YD475K	0805YD475KAT2A	X5R	4.7	16	10	.96	.91	.84	3000	.79
581-08053D475K	08053D475KAT2A	X5R	4.7	25	10	1.44	1.38	1.28	3000	1.12
581-08056D106K	08056D106KAT2A	X5R	10	6.3	10	1.10	.89	.65	3000	.37
581-08056D226K	08056D226KAT2A	X5R	22	6.3	10	1.44	1.38	1.28	3000	1.12
581-0805ZD106K	0805ZD106KAT2A	X5R	10	10	10	2.56	2.44	2.24	3000	2.11
581-0805YD106K	0805YD106KAT2A	X5R	10	16	10	2.56	2.44	2.24	3000	2.11

Style 1206

For quantities of 20,000 and up, call for quote.

581-1206YG105Z	1206YG105ZAT2A	Y5V	1	16	80,±20	.53	.51	.47	4000	.40
581-1206YC105J	1206YC105JAT2A	X7R	1	16	5	.26	.25	.23	2000	.20
581-1206YC105K	1206YC105KAT2A	X7R	1	16	10	.65	.62	.57	2000	.37
581-12063C105K	12063C105KAT2A	X7R	1	25	10	.62	.55	.37	2500	.21
581-1206ZC225K	1206ZC225KAT2A	X7R	2.2	10	10	.94	.85	.78	2500	.45
581-1206ZC225J	1206ZC225JAT2A	X7R	2.2	10	5	1.65	1.48	1.20	2000	.30
581-1206ZD335K	1206ZD335KAT2A	X5R	3.3	10	10	1.86	1.55	1.24	2000	.62
581-1206ZD475K	1206ZD475KAT2A	X5R	4.7	10	10	.76	.72	.58	2500	.33
581-12066D106K	12066D106KAT2A	X5R	10	6.3	10	1.41	1.35	.84	2500	.48
581-1206ZD106K	1206ZD106KAT2A	X5R	10	10	10	1.21	1.08	.70	2500	.40
581-12066D226M	12066D226MAT2A	X5R	22	6.3	20	1.80	1.73	1.58	2500	1.35
581-12066D476M	12066D476MAT2A	X5R	47	6.3	20	1.88	1.84	1.71	2500	1.50
581-12063G105Z	12063G105ZAT2A	Y5V	1	25	80,±20	.53	.51	.47	4000	.40
581-12065G105Z	12065G105ZAT2A	Y5V	1	50	80,±20	.38	.30	.227	4000	.131
581-1206YG225Z	1206YG225ZAT2A	Y5V	2.2	16	80,±20	.69	.66	.61	2000	.52
581-12063G225Z	12063G225ZAT2A	Y5V	2.2	25	80,±20	.55	.45	.32	2000	.187
581-1206YG475Z	1206YG475ZAT2A	Y5V	4.7	16	80,±20	.88	.75	.52	2000	.30
581-1206ZG106Z	1206ZG106ZAT2A	Y5V	10	10	80,±20	1.10	.85	.65	2000	.375

Style 1210

For quantities of 20,000 and up, call for quote.

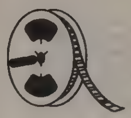
MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (μF)	Volt	Tol. ±	Price Each			Reel	
						1	100	1000	Qty. Per Reel	Price Ea.
581-12103C105J	12103C105JAT2A	X7R	1	25	0.05	1.60	1.52	1.40	3000	1.32
581-12103C105K	12103C105KAT2A	X7R	1	25	0.1	1.44	1.37	1.17	3000	.675
581-12103C105M	12103C105MAT2A	X7R	1	25	0.2	.94	.90	.76	3000	.43
581-12105C105K	12105C105KAT2A	X7R	1	50	0.1	.93	.88	.82	4000	.65
581-1210YC125K	1210YC125KAT2A	X7R	1.2	16	0.1	1.44	1.37	1.26	2000	1.18
581-1210YC155J	1210YC155JAT2A	X7R	1.5	16	0.05	1.50	1.29	1.00	2000	.75
581-1210YC185K	1210YC185KAT2A	X7R	1.8	16	0.1	2.00	1.91	1.75	2000	1.67
581-1210YC225K	1210YC225KAT2A	X7R	2.2	16	0.1	2.11	1.98	1.85	2000	1.70
581-12103C225K	12103C225KAT2A	X7R	2.2	25	0.1	2.11	1.99	1.26	2000	.73
581-12103C225M	12103C225MAT2A	X7R	2.2	25	0.2	2.11	1.98	1.85	2000	1.70
581-1210YC475J	1210YC475JAT2A	X7R	4.7	16	0.05	2.88	2.69	2.52	1000	2.39
581-1210YC475K	1210YC475KAT2A	X7R	4.7	16	0.1	1.80	1.55	1.26	1000	.80
581-12103D475M	12103D475MAT2A	X5R	4.7	25	0.2	2.88	2.73	2.52	1000	2.16
581-1210ZD106K	1210ZD106KAT2A	X5R	10	10	0.1	2.25	1.75	1.33	2000	.76
581-1210YD106K	1210YD106KAT2A	X5R	10	16	0.1	2.64	1.80	1.35	2000	.90
581-1210YD106M	1210YD106MAT2A	X5R	10	16	0.2	2.70	1.80	1.35	2000	1.01
581-12103D106K	12103D106KAT2A	X5R	10	25	0.1	1.80	1.68	1.44	1000	1.08
581-12106D226K	12106D226KAT2A	X5R	22	6.3	0.1	1.61	1.54	1.44	1000	1.31
581-1210ZD226K	1210ZD226KAT2A	X5R	22	10	0.1	3.52	3.36	2.08	1000	1.20
581-1210ZD226M	1210ZD226MAT2A	X5R	22	10	0.2	3.52	3.25	2.08	4000	1.20
581-1210YD226K	1210YD226KAT2A	X5R	22	16	0.1	3.00	2.75	2.40	1000	1.59
581-12106D476M	12106D476MAT2A	X5R	47	6.3	0.2	2.47	2.37	2.23	1000	2.00
581-12105G105Z	12105G105ZAT2A	Y5V	1	50	80,±20	.87	.81	.73	3000	.58
581-1210YG475Z	1210YG475ZAT2A	Y5V	4.7	16	80,±20	1.60	1.52	1.40	4000	1.33
581-12103G475Z	12103G475ZAT2A	Y5V	4.7	25	80,±20	1.40	1.34	1.23	3000	1.16
581-1210ZG106Z	1210ZG106ZAT2A	Y5V	10	10	80,±20	1.22	1.17	1.07	2500	.92
581-12103G106Z	12103G106ZAT2A	Y5V	10	25	80,±20	2.40	2.31	2.10	2500	1.95
581-1210ZG226Z	1210ZG226ZAT2A	Y5V	22	10	80,±20	2.99	2.81	2.56	2000	1.48
581-1210YG226Z	1210YG226ZAT2A	Y5V	22	16	80,±20	3.84	3.72	3.36	4000	3.09

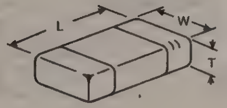
MOUSER STOCK NO.	Cap Size	Temp Coef.	Volt	Tol. ±	Values	Price Each
581-HIGHCAP-KIT (20 Pieces for ea. 28 values)	0603	X5R	6.3	10%	2.2μF	175.36
	0603	X5R	16	10%	1.0μF	
	0603	Y5V	10	+80,-20	1.0μF	
	0805	X5R	6.3	10%	10μF	
	0805	X5R	10	10%	2.2μF, 3.3μF, 4.7μF	
	0805	X7R	10	10%	1.0μF	
	0805	Y5V	16	+80,-20	2.2μF	
	0805	Y5V	25	+80,-20	1.0μF	
	1206	X5R	6.3	10%	22μF	
	1206	X5R	6.3	20%	47μF	
	1206	X5R	16	10%	10μF	
	1206	X5R	25	10%	4.7μF	
	1206	X7R	10	10%	2.2μF	
	1206	X7R	25	10%	1.0μF	
	1206	Y5V	16	+80,-20	3.3μF, 4.7μF	
	1210	X5R	6.3	20%	47μF	
	1210	X5R	16	10%	22μF	
	1210	X5R	25	10%	10μF	
	1210	X7R	16	10%	4.7μF	
	1210	X7R	25	10%	2.2μF	
	1210	X7R	50	10%	1.0μF	
	1210	Y5V	10	+80,-20	22μF	
	1210	Y5V	25	+80,-20	10μF	
	1812	X5R	6.3	10%	100μF	
	1812	X7T	50	10%	1.0μF	

AVX 0201, 0402, 0603 - Multilayer Ceramic Chip Capacitors

AVX
A KYOCERA GROUP COMPANY

Application Note:
A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.





DIMENSIONS: mm (in.)

Size	0603	0805
(L) Length	1.60 ± .15 (.063 ± .006)	2.01 ± .20 (.079 ±.008)
(W) Width	.81 ±.15 (.032 ±.006)	1.25 ± .20 (.049 ± .008)
(T) Thickness	.80 ± .10 (.014 ± .006)	1.25 ± .20 (.020 ± .010)

Features:
- Temperature coefficient C0G (NP0) -55°C to +125°C
  X7R -55°C to +125°C
  X5R -55°C to +85°C
  Y5V -30°C to +85°C
- Preferred Tolerances: ±5%, 10%, 20%

RoHS Compliant

Style 0201

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	Reel Qty 15000
581-02013A1R0C	02013A1R0CAT2A	C0G	1.0	25	.25pF	.27	.22	.16	.09
581-02013A2R7C	02013A2R7CAT2A	C0G	2.7	25	.25pF	.49	.40	.29	.168
581-02013A4R7C	02013A4R7CAT2A	C0G	4.7	25	.25pF	.49	.40	.29	.168
581-02013A330J	02013A330JAT2A	C0G	33	25	5%	.27	.22	.16	.09
581-0201YC181K	0201YC181KAT2A	X7R	180	16	10%	.49	.30	.29	.168
581-0201YC331K	0201YC331KAT2A	X7R	330	16	10%	.27	.22	.162	.093
581-0201YC821K	0201YC821KAT2A	X7R	820	16	10%	.49	.29	.18	.15
581-0201YC102K	0201YC102KAT2A	X7R	1000	16	10%	.49	.29	.11	.08
581-020110D103K	0201ZD103KAT2A	X5R	0.01μF	10	10%	.27	.20	.162	.093
581-0201ZG103Z	0201ZG103ZAT2A	Y5V	0.01μF	10	80,±20	.82	.66	.48	.24
581-02016G473Z	02016G473ZAT2A	Y5V	0.047μF	6.3	80,±20	.66	.55	.39	.225

Style 0402

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	Reel Qty 10000
581-04025A0R5C	04025A0R5CAT2A	C0G	0.5	50	.25pF	.33	.19	.12	.054
581-04023A1R0B	04023A1R0BAT2A	C0G	1.0	25	0.1pF	.28	.17	.08	.045
581-04025A1.0C	04025A1R0CAT2A	C0G	1.0	50	.25pF	.11	.10	.065	.037
581-04025A1R2C	04025A1R2CAT2A	C0G	1.2	50	.25pF	.33	.19	.12	.054
581-04025A1R5C	04025A1R5CAT2A	C0G	1.5	50	.25pF	.33	.19	.12	.054
581-04025A2R2C	04025A2R2CAT2A	C0G	2.2	50	.25pF	.33	.19	.12	.054
581-04025A2R7C	04025A2R7CAT2A	C0G	2.7	50	.25pF	.33	.19	.12	.054
581-04025A3R0C	04025A3R0CAT2A	C0G	3.0	50	.25pF	.33	.19	.12	.054
581-04025A3R3C	04025A3R3CAT2A	C0G	3.3	50	.25pF	.33	.19	.12	.054
581-04025A3R9C	04025A3R9CAT2A	C0G	3.9	50	.25pF	.33	.19	.12	.054
581-04025A4.7C	04025A4R7CAT2A	C0G	4.7	50	.25pF	.33	.19	.12	.054
581-04025A5R6C	04025A5R6CAT2A	C0G	5.6	50	.25pF	.33	.19	.12	.054
581-04025A6R8C	04025A6R8CAT2A	C0G	6.8	50	.25pF	.33	.19	.12	.054
581-04025A100J	04025A100JAT2A	C0G	10	50	5%	.11	.09	.065	.037
581-04025A120J	04025A120JAT2A	C0G	12	50	5%	.33	.20	.12	.054
581-04025A150F	04025A150FAT2A	C0G	15	50	1%	.68	.60	.51	.21
581-04025A150G	04025A150GAT2A	C0G	15	50	2%	.62	.55	.47	.20
581-04025A150J	04025A150JAT2A	C0G	15	50	5%	.33	.19	.12	.054
581-04025A180F	04025A180FAT2A	C0G	18	50	1%	.68	.60	.51	.21
581-04025A180J	04025A180JAT2A	C0G	18	50	5%	.33	.19	.12	.054
581-04023A220K	04023A220KAT2A	C0G	22	25	10%	.24	.21	.18	.08
581-04025A220J	04025A220JAT2A	C0G	22	50	5%	.33	.19	.12	.054
581-04025A270J	04025A270JAT2A	C0G	27	50	5%	.28	.17	.08	.045
581-04025A330J	04025A330JAT2A	C0G	33	50	5%	.33	.19	.12	.054
581-04025A390J	04025A390JAT2A	C0G	39	50	5%	.33	.19	.12	.054
581-04025A470J	04025A470JAT2A	C0G	47	50	5%	.28	.17	.08	.045
581-04025A510J	04025A510JAT2A	C0G	51	50	5%	.33	.20	.12	.054
581-04025A560J	04025A560JAT2A	C0G	56	50	5%	.33	.19	.12	.054
581-04025A680J	04025A680JAT2A	C0G	68	50	5%	.50	.32	.25	.09
581-04025A820J	04025A820JAT2A	C0G	82	50	5%	.33	.25	.195	.112
581-04023A101F	04023A101FAT2A	C0G	100	25	1%	.64	.56	.48	.20
581-04025A101J	04025A101JAT2A	C0G	100	50	5%	.28	.17	.08	.045
581-04023A151J	04023A151JAT2A	C0G	150	25	5%	.33	.19	.12	.054
581-04025A151J	04025A151JAT2A	C0G	150	50	5%	.50	.32	.25	.09
581-04023A181J	04023A181JAT2A	C0G	180	25	5%	.33	.19	.12	.054
581-04025A181J	04025A181JAT2A	C0G	180	50	5%	.11	.08	.065	.062
581-04025C331K	04025C331KAT2A	X7R	330	50	10%	.33	.19	.12	.054
581-04023C151M	04023C151MAT2A	X7R	150	25	20%	.22	.20	.17	.07
581-04025C221K	04025C221KAT2A	X7R	220	50	10%	.33	.19	.12	.054
581-04025C241J	04025C241JAT2A	X7R	240	50	5%	.42	.38	.15	.069
581-04025C271K	04025C271KAT2A	X7R	270	50	10%	.33	.19	.12	.054
581-04023C471J	04023C471JAT2A	X7R	470	25	5%	.28	.17	.08	.045
581-04023C471K	04023C471KAT2A	X7R	470	25	10%	.28	.17	.08	.045
581-04025C471J	04025C471JAT2A	X7R	470	50	5%	.41	.38	.24	.14
581-04025C471K	04025C471KAT2A	X7R	470	50	10%	.33	.19	.12	.054
581-04023C561J	04023C561JAT2A	X7R	560	25	5%	.42	.38	.15	.069
581-04025C561K	04025C561KAT2A	X7R	560	50	10%	.33	.19	.12	.054
581-04025C681J	04025C681JAT2A	X7R	680	50	5%	.11	.10	.10	.06
581-0402YC681K	0402YC681KAT2A	X7R	680	16	10%	.33	.20	.12	.054
581-04023C102J	04023C102JAT2A	X7R	1000	25	5%	.42	.38	.15	.069
581-04025C102J	04025C102JAT2A	X7R	1000	50	5%	.42	.38	.15	.069
581-04025C102K	04025C102KAT2A	X7R	1000	50	10%	.28	.17	.08	.045
581-0402YC102K	0402YC102KAT2A	X7R	1000	16	10%	.33	.20	.12	.054
581-04023C152K	04023C152KAT2A	X7R	1500	25	10%	.33	.19	.12	.054
581-04025C152K	04025C152KAT2A	X7R	1500	50	10%	.33	.19	.12	.054
581-04025C222K	04025C222KAT2A	X7R	2200	50	10%	.28	.17	.08	.045

Style 0402 (cont.)

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	Reel Qty 10000
581-04023C472J	04023C472JAT2A	X7R	4700	25	5%	.33	.19	.12	.054
581-04023C472K	04023C472KAT2A	X7R	4700	25	10%	.33	.19	.12	.054
581-04023C682K	04023C682KAT2A	X7R	6800	25	10%	.15	.14	.12	.06
581-0402YC103J	0402YC103JAT2A	X7R	0.01μF	16	5%	.41	.38	.15	.13
581-040216C103K	0402YC103KAT2A	X7R	0.01μF	16	10%	.28	.17	.08	.045
581-0402ZD473K	0402ZD473KAT2A	X5R	.047μF	10	10%	.40	.35	.30	.11
581-040216G104Z	0402YG104ZAT2A	Y5V	0.1μF	16	80,±20	.22	.20	.13	.075

Style 0603

For quantities of 8,000 and up, call for quote.

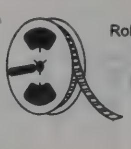
MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			
						1	100	1000	Reel Qty 10000
581-06035A1R0C	06035A1R0CAT2A	C0G	1.0	50	.25pF	.20	.19	.123	.071
581-06035A1R5C	06035A1R5CAT2A	C0G	1.5	50	.25pF	.20	.19	.123	.071
581-06033A2R2C	06033A2R2CAT2A	C0G	2.2	25	.25pF	.22	.13	.06	.04
581-06035A2R2C	06035A2R2CAT2A	C0G	2.2	50	.25pF	.19	.15	.11	.071
581-06035A3R3C	06035A3R3CAT2A	C0G	3.3	50	.25pF	.20	.15	.123	.05
581-06035A4R7J	06035A4R7JAT2A	C0G	4.7	50	5%	.44	.26	.12	.09
581-06035A5R0C	06035A5R0CAT2A	C0G	5.0	50	.25pF	.21	.12	.08	.04
581-06035A6R8J	06035A6R8JAT2A	C0G	6.8	50	5%	.44	.26	.12	.09
581-06035A100J	06035A100JAT2A	C0G	10	50	5%	.19	.11	.03	.02
581-06031A100J	06031A100JAT2A	C0G	10	100	5%	.20	.15	.123	.071
581-06031A100K	06031A100KAT2A	C0G	10	100	10%	.21	.12	.08	.04
581-06035A110J	06035A110JAT2A	C0G	11	50	5%	.39	.23	.11	.08
581-06035A120J	06035A120JAT2A	C0G	12	50	5%	.16	.15	.097	.056
581-06035A150J	06035A150JAT2A	C0G	15	50	5%	.11	.09	.065	.037
581-06031A150J	06031A150JAT2A	C0G	15	100	5%	.11	.08	.065	.037
581-06031A150K	06031A150KAT2A	C0G	15	100	10%	.19	.17	.117	.067
581-06035A180J	06035A180JAT2A	C0G	18	50	5%	.19	.11	.05	.04
581-06031A180J	06031A180JAT2A	C0G	18	100	5%	.21	.12	.08	.04
581-06033A220J	06033A220JAT2A	C0G	22	25	5%	.22	.13	.06	.04
581-06035A220J	06035A220JAT2A	C0G	22	50	5%	.19	.11	.05	.04
581-06035A220K	06035A220KAT2A	C0G	22	50	10%	.39	.23	.11	.08
581-06031A220J	06031A220JAT2A	C0G	22	100	5%	.11	.08	.065	.037
581-06035A270J	06035A270JAT2A	C0G	27	50	5%	.19	.11	.05	.04
581-06035A270K	06035A270KAT2A	C0G	27	50	10%	.18	.10	.04	.04
581-06031A270K	06031A270KAT2A	C0G	27	100	10%	.21	.12	.08	.04
581-06035A330J	06035A330JAT2A	C0G	33	50	5%	.16	.14	.097	.056
581-06031A330J	06031A330JAT2A	C0G	33	100	5%	.11	.09	.065	.037
581-06035A360J	06035A360JAT2A	C0G	36	50	5%	.39	.23	.11	.08
581-06035A390J	06035A390JAT2A	C0G	39	50	5%	.19	.11	.05	.04
581-06031A390J	06031A390JAT2A	C0G	39	100	5%	.21	.12	.08	.04
581-06033A470J	06033A470JAT2A	C0G	47	25	5%	.22	.13	.06	.04
581-06035A470J	06035A470JAT2A	C0G	47	50	5%	.19	.11	.05	.04
581-06031A470K	06031A470KAT2A	C0G	47	100	10%	.21	.12	.08	.04
581-06035A680J	06035A680JAT2A	C0G	68	50	5%	.60	.35	.03	.02
581-06031A680J	06031A680JAT2A	C0G	68	100	5%	.11	.08	.065	.037
581-06035A750J	06035A750JAT2A	C0G	75	50	5%	.60	.35	.05	.03
581-06035A820J	06035A820JAT2A	C0G	82	50	5%	.20	.15	.123	.071
581-06035A910J	06035A910JAT2A	C0G	91	50	5%	.60	.35	.05	.03
581-06033A101K	06033A101KAT2A	C0G	100	25	10%	.22	.13	.06	.04
581-06035A101J	06035A101JAT2A	C0G	100	50	5%	.19	.11	.05	.04
581-06035A101K	06035A101KAT2A	C0G	100	50	10%	.18	.14	.10	.067
581-06031A101J	06031A101JAT2A	C0G	100	100	5%	.11	.09	.065	.037
581-06031A101K	06031A101KAT2A	C0G	100	100	10%	.21	.12	.08	.04
581-06035A121J	06035A121JAT2A	C0G	120	50	5%	.20	.16	.13	.075
581-06035A151J	06035A151JAT2A	C0G	150	50	5%	.23	.14	.06	.045
581-06031A151J	06031A151JAT2A	C0G	150	100	5%	.21	.12	.08	.04
581-06035A181J	06035A181JAT2A	C0G	180	50	5%	.23	.14	.06	.045
581-06033A221K	06033A221KAT2A	C0G	220	25	10%	.22	.13	.06	.04
581-06035A221J	06035A221JAT2A	C0G	220	50	5%	.22	.18	.13	.075
581-06031A221K	06031A221KAT2A	C0G	220	100	10%	.19	.11	.07	.035
581-06035A271J	06035A271JAT2A	C0G	270	50	5%	.11	.09	.03	.02
581-06035A271K	06035A271KAT2A	C0G	270	50	10%	.16	.10	.04	.03
581-06035A331J	06035A331JAT2A	C0G	330	50	5%	.25	.19	.08	.05
581-06035A331K	06035A331KAT2A	C0G	330	50	10%	.20	.18	.05	.04
581-06035A391J	06035A391JAT2A	C0G	390	50	5%	.21	.19	.05	.04
581-06033A471J	06033A471JAT2A	C0G	470	25	5%	.22	.13	.06	.04
581-06033A471K	06033A471KAT2A	C0G	470	25	10%	.22	.13	.06	.04
581-06035A471J	06035A471JAT2A	C0G	470	50	5%	.12	.10	.07	.035
581-06035A561J	06035A561JAT2A	C0G	560	50	5%	.22	.20	.13	.075

AVX 0603, 0805 - Multilayer Ceramic Chip Capacitors

A KYOCERA GROUP COMPANY

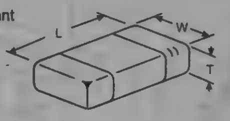
Application Note:
A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

Features:
- Temperature coefficient C0G (NP0) -55°C to +125°C
  X7R -55°C to +125°C
  X5R -55°C to +85°C
  Y5V -30°C to +85°C
- Preferred Tolerances: ±5%, 10%, 20%



RoHS Compliant

DIMENSIONS: mm (in.)



Size	0805	1206
(L) Length	2.01 ± .20 (.079 ±.008)	3.20 ± 0.20 (.126 ± .008)
(W) Width	1.25 ± .20 (.049 ± .008)	1.60 ± 0.20 (.063 ± .008)
(T) Thickness	.50 ± .25 (.020 ± .010)	.50 ± .25 (.020 ± .010)

Style 0603 (cont.)

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each 1	100	1000	Reel Qty
									4000
581-06035A681J	06035A681JAT2A	C0G	680	50	5%	.33	.19	.12	.05
581-06035A681K	06035A681KAT2A	C0G	680	50	10%	.33	.19	.12	.054
581-06033A102K	06033A102KAT2A	C0G	1000	25	10%	.36	.21	.13	.09
581-06035C101K	06035C101KAT2A	X7R	100	50	10%	.22	.13	.06	.04
581-06031C101K	06031C101KAT2A	X7R	100	100	10%	.22	.13	.06	.04
581-06035C221K	06035C221KAT2A	X7R	220	50	10%	.16	.15	.123	.071
581-06035C331K	06035C331KAT2A	X7R	330	50	10%	.16	.15	.123	.071
581-06035C471K	06035C471KAT2A	X7R	470	50	10%	.12	.07	.03	.02
581-06035C561J	06035C561JAT2A	X7R	560	50	5%	.35	.21	.07	.05
581-06035C561K	06035C561KAT2A	X7R	560	50	10%	.16	.15	.123	.071
581-06035C681K	06035C681KAT2A	X7R	680	50	10%	.16	.15	.123	.071
581-06031C821K	06031C821KAT2A	X7R	820	100	10%	.22	.13	.06	.04
581-0603ZC102K	0603ZC102KAT2A	X7R	1000	10	10%	.35	.21	.05	.03
581-06035C102J	06035C102JAT2A	X7R	1000	50	5%	.11	.09	.04	.025
581-06035C102K	06035C102KAT2A	X7R	1000	50	10%	.08	.06	.052	.03
581-06031C102J	06031C102JAT2A	X7R	1000	100	5%	.29	.25	.175	.10
581-06031C102K	06031C102KAT2A	X7R	1000	100	10%	.22	.13	.06	.04
581-06035C152K	06035C152KAT2A	X7R	1500	50	10%	.11	.08	.065	.037
581-06033C182K	06033C182KAT2A	X7R	1800	25	10%	.16	.13	.05	.034
581-06035C222J	06035C222JAT2A	X7R	2200	50	5%	.35	.21	.07	.045
581-06035C222K	06035C222KAT2A	X7R	2200	50	10%	.16	.13	.05	.034
581-06031C222K	06031C222KAT2A	X7R	2200	100	10%	.20	.15	.123	.071
581-06035C332K	06035C332KAT2A	X7R	3300	50	10%	.35	.21	.07	.045
581-06031C332K	06031C332KAT2A	X7R	3300	100	10%	.22	.13	.06	.04
581-0603YC392K	0603YC392KAT2A	X7R	3900	16	10%	.16	.13	.05	.034
581-06033C472K	06033C472KAT2A	X7R	4700	25	10%	.16	.13	.05	.034
581-06035C472K	06035C472KAT2A	X7R	4700	50	10%	.35	.21	.07	.045
581-06031C472K	06031C472KAT2A	X7R	4700	100	10%	.16	.15	.123	.071
581-06035C562J	06035C562JAT2A	X7R	5600	50	5%	.35	.21	.07	.05
581-06035C682K	06035C682KAT2A	X7R	6800	50	10%	.16	.13	.05	.034
581-06033C153J	06033C153JAT2A	X7R	.015μF	25	5%	.40	.30	.09	.06
581-06035C153K	06035C153KAT2A	X7R	.015μF	50	10%	.11	.065	.06	.037
581-0603ZC103K	0603ZC103KAT2A	X7R	.01μF	10	10%	.35	.21	.05	.03
581-0603YC103K	0603YC103KAT2A	X7R	.01μF	16	10%	.16	.13	.05	.034
581-06033C103M	06033C103MAT2A	X7R	.01μF	25	20%	.16	.13	.05	.034
581-06035C103J	06035C103JAT2A	X7R	.01μF	50	5%	.80	.45	.30	.25
581-06035C103K	06035C103KAT2A	X7R	.01μF	50	10%	.11	.09	.065	.037
581-06035C103M	06035C103MAT2A	X7R	.01μF	50	20%	.16	.13	.05	.034
581-06031C103K	06031C103KAT2A	X7R	.01μF	100	10%	.39	.32	.23	.153
581-06033C223J	06033C223JAT2A	X7R	.022μF	25	5%	.40	.30	.09	.06
581-06033C223K	06033C223KAT2A	X7R	.022μF	25	10%	.13	.11	.04	.03
581-06035C223K	06035C223KAT2A	X7R	.022μF	50	10%	.13	.11	.04	.03
581-06033C273J	06033C273JAT2A	X7R	.027μF	25	5%	.40	.30	.09	.06
581-06033C273K	06033C273KAT2A	X7R	.027μF	25	10%	.26	.23	.07	.05
581-06035C333J	06035C333JAT2A	X7R	.033μF	50	5%	.35	.29	.21	.131
581-0603YC473K	0603YC473KAT2A	X7R	.047μF	16	10%	.16	.13	.05	.034
581-06033C473J	06033C473JAT2A	X7R	.047μF	25	5%	.60	.49	.35	.21
581-06033C473K	06033C473KAT2A	X7R	.047μF	25	10%	.16	.13	.05	.034
581-0603YC683K	0603YC683KAT2A	X7R	.068μF	16	10%	.11	.09	.065	.037
581-06033E103Z	06033E103ZAT2A	Z5U	.01μF	25	80,±20	.24	.14	.08	.05

Style 0805

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each 1	100	1000	Reel Qty. Per Reel	Reel Price Ea.
581-08051A0R5C	08051A0R5CAT2A	C0G	0.5	100	.25pF	.22	.18	.13	4000	.039
581-08055A1R0C	08055A1R0CAT2A	C0G	1.0	50	.25pF	.23	.13	.06	4000	.04
581-08055A1R2C	08055A1R2CAT2A	C0G	1.2	50	.25pF	.22	.18	.136	4000	.078
581-08055A2R7C	08055A2R7CAT2A	C0G	2.7	50	.25pF	.18	.17	.136	4000	.078
581-08055A4R7C	08055A4R7CAT2A	C0G	4.7	50	.25pF	.18	.17	.143	4000	.082
581-08051A4R7D	08051A4R7DAT2A	C0G	4.7	100	.50pF	.12	.09	.07	4000	.021
581-08055A5R0D	08055A5R0DAT2A	C0G	5.0	50	.50pF	.20	.16	.12	4000	.035
581-08051A5R1C	08051A5R1CAT2A	C0G	5.1	100	.25pF	.22	.18	.13	4000	.07
581-08055A5R6C	08055A5R6CAT2A	C0G	5.6	50	.25pF	.18	.17	.136	4000	.078
581-08055A6R8C	08055A6R8CAT2A	C0G	6.8	50	.25pF	.18	.17	.136	4000	.078
581-08051A6.8D	08051A6R8DAT2A	C0G	6.8	100	.50pF	.20	.19	.123	4000	.071
581-08055A8R2C	08055A8R2CAT2A	C0G	8.2	50	.25pF	.18	.17	.136	4000	.078
581-08055A100J	08055A100JAT2A	C0G	10	50	5%	.20	.16	.12	4000	.04
581-08051A100J	08051A100JAT2A	C0G	10	100	5%	.10	.095	.09	4000	.075
581-08055A120J	08055A120JAT2A	C0G	12	50	5%	.11	.08	.065	4000	.037
581-08055A150J	08055A150JAT2A	C0G	15	50	5%	.20	.16	.12	4000	.04
581-08051A150J	08051A150JAT2A	C0G	15	100	5%	.17	.16	.13	4000	.075
581-08055A180J	08055A180JAT2A	C0G	18	50	5%	.20	.16	.12	4000	.04
581-08055A200J	08055A200JAT2A	C0G	20	50	5%	.20	.16	.12	4000	.06
581-08055A220J	08055A220JAT2A	C0G	22	50	5%	.20	.16	.12	4000	.04
581-08051A220J	08051A220JAT2A	C0G	22	100	5%	.10	.095	.09	4000	.075
581-08055A270J	08055A270JAT2A	C0G	27	50	5%	.20	.16	.12	4000	.04
581-08051A270J	08051A270JAT2A	C0G	27	100	5%	.20	.16	.12	4000	.04
581-08055A330J	08055A330JAT2A	C0G	33	50	5%	.20	.16	.12	4000	.04
581-08055A330K	08055A330KAT2A	C0G	33	50	10%	.19	.15	.11	4000	.06
581-08051A330J	08051A330JAT2A	C0G	33	100	5%	.17	.16	.13	4000	.078
581-08055A390J	08055A390JAT2A	C0G	39	50	5%	.20	.16	.12	4000	.04

Style 0805 (cont.)

For quantities of 20,000 and up, call for quote.

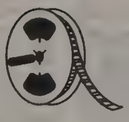
MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each 1	100	1000	Reel Qty. Per Reel	Reel Price Ea.
581-08051A390J	08051A390JAT2A	C0G	39	100	5%	.20	.16	.12	4000	.04
581-08055A430J	08055A430JAT2A	C0G	43	50	5%	.20	.16	.12	4000	.03
581-08055A470J	08055A470JAT2A	C0G	47	50	5%	.20	.16	.12	4000	.04
581-08051A470J	08051A470JAT2A	C0G	47	100	5%	.17	.16	.13	4000	.075
581-08051A510J	08051A510JAT2A	C0G	51	100	5%	.20	.16	.12	4000	.06
581-08055A560J	08055A560JAT2A	C0G	56	50	5%	.20	.16	.12	4000	.04
581-08051A560J	08051A560JAT2A	C0G	56	100	5%	.20	.16	.12	4000	.04
581-08055A680J	08055A680JAT2A	C0G	68	50	5%	.20	.16	.12	4000	.04
581-08051A750J	08051A750JAT2A	C0G	75	100	5%	.17	.16	.136	4000	.078
581-08055A820J	08055A820JAT2A	C0G	82	50	5%	.20	.16	.12	4000	.06
581-08055A820K	08055A820KAT2A	C0G	82	50	10%	.19	.15	.11	4000	.06
581-08055A101J	08055A101JAT2A	C0G	100	50	5%	.19	.15	.11	4000	.06
581-08055A101K	08055A101KAT2A	C0G	100	50	10%	.19	.15	.11	4000	.06
581-08051A101J	08051A101JAT2A	C0G	100	100	5%	.10	.095	.09	4000	.075
581-08051A101K	08051A101KAT2A	C0G	100	100	10%	.20	.15	.123	4000	.071
581-08052A101J	08052A101JAT2A	C0G	100	200	5%	.34	.27	.20	4000	.10
581-08055A121J	08055A121JAT2A	C0G	120	50	5%	.19	.15	.11	4000	.08
581-08055A121K	08055A121KAT2A	C0G	120	50	10%	.19	.15	.11	4000	.06
581-08051A121J	08051A121JAT2A	C0G	120	100	5%	.21	.17	.13	4000	.06
581-08055A151J	08055A151JAT2A	C0G	150	50	5%	.23	.13	.06	4000	.08
581-08051A151J	08051A151JAT2A	C0G	150	100	5%	.21	.20	.13	4000	.075
581-08055A201J	08055A201JAT2A	C0G	200	50	5%	.26	.21	.16	4000	.08
581-08055A221J	08055A221JAT2A	C0G	220	50	5%	.21	.17	.13	4000	.06
581-08051A221J	08051A221JAT2A	C0G	220	100	5%	.17	.16	.15	4000	.101
581-08051A221K	08051A221KAT2A	C0G	220	100	10%	.21	.17	.13	4000	.06
581-08052A221K	08052A221KAT2A	C0G	220	200	10%	.33	.26	.20	4000	.057
581-08051A271J	08051A271JAT2A	C0G	270	100	5%	.17	.16	.15	4000	.097
581-08051A301J	08051A301JAT2A	C0G	300	100	5%	.26	.21	.16	4000	.08
581-08055A331J	08055A331JAT2A	C0G	330	50	5%	.21	.17	.13	4000	.06
581-08055A331K	08055A331KAT2A	C0G	330	50	10%	.18	.17	.143	4000	.082
581-08051A331K	08051A331KAT2A	C0G	330	100	10%	.21	.17	.13	4000	.06
581-08051A391J	08051A391JAT2A	C0G	390	100	5%	.21	.17	.13	4000	.06
581-08055A471J	08055A471JAT2A	C0G	470	50	5%	.21	.17	.13	4000	.06
581-08055A471K	08055A471KAT2A	C0G	470	50	10%	.18	.17	.143	4000	.082
581-08051A471J	08051A471JAT2A	C0G	470	100	5%	.17	.16	.13	4000	.075
581-08055A561J	08055A561JAT2A	C0G	560	50	5%	.16	.14	.097	4000	.056
581-08055A681J	08055A681JAT2A	C0G	680	50	5%	.19	.18	.13	4000	.075
581-08055A102J	08055A102JAT2A	C0G	1000	50	5%	.29	.23	.18	4000	.09
581-08055A102K	08055A102KAT2A	C0G	1000	50	10%	.29	.27	.227	4000	.131
581-08051A102J	08051A102JAT2A	C0G	1000	100	5%	.25	.22	.195	4000	.112
581-08055A122J	08055A122JAT2A	C0G	1200	50	5%	.33	.32	.26	4000	.153
581-08053A152J	08053A152JAT2A	C0G	1500	25	5%	.28	.23	.14	4000	.07
581-08055A152J	08055A152JAT2A	C0G	1500	50	5%	.29	.25	.175	4000	.101
581-08055A182J	08055A182JAT2A	C0G	1800	50	5%	.41	.38	.26	4000	.15
581-08053A222J	08053A222JAT2A	C0G	2200	25	5%	.23	.19	.14	4000	.08
581-08055A222J	08055A222JAT2A	C0G	2200	50	5%	.29	.26	.175	2000	.10
581-08055A222K	08055A222KAT2A	C0G	2200	50	10%	.35	.28	.21	2000	.07
581-08053A332J	08053A332JAT2A	C0G	3300	25	5%	.33	.18	.14	2000	.13
581-08051C101K	08051C101KAT2A	X7R	100	100	10%	.19	.15	.11	4000	.033
581-08052C101K	08052C101KAT2A	X7R	100	200	10%	.30	.24	.18	4000	.09
581-08055C151K	08055C151KAT2A	X7R	150	50	10%	.21	.17	.13	4000	.06
581-08055C221K	08055C221KAT2A	X7R	220	50	10%	.17	.16	.13	4000	.075
581-08055C471J	08055C471JAT2A	X7R	470	50	5%	.29	.23	.17	4000	.09
581-08055C471K	08055C471KAT2A	X7R	470	50	10%	.17	.16	.13	4000	.075
581-08055C102K	08055C102KAT2A	X7R	1000	50	10%	.12	.10	.07	4000	.021
581-08051C102J	08051C102JAT2A	X7R	1000	100	5%	.29	.23	.17	4000	.09
581-08051C102K	08051C102KAT2A	X7R	1000	100	10%	.11	.08	.065	4000	.037
581-08052C102K	08052C102KAT2A	X7R	1000	200	10%	.35	.28	.21	4000	.11
581-08055C152J	08055C152JAT2A	X7R	1500	50	5%	.29	.23	.17	4000	.09
581-08055C152K	08055C152KAT2A	X7R	1500	50	10%	.21	.17	.13	4000	.021
581-08055C202K	08055C202KAT2A	X7R	2000	50	10%	.21	.17	.13	4000	.021
581-08055C222J	08055C222JAT2A	X7R	2200	50	5%	.29	.23	.17	4000	.09
581-08055C222K	08055C222KAT2A	X7R	2200	50	10%	.12	.10	.07	4000	.021
581-08051C222K	08051C222KAT2A	X7R	2200	100	10%	.11	.08	.065	4000	.037
581-08051C272J	08051C272JAT2A	X7R	2700	100	5%	.29	.27	.188	4000	.108
581-08055C332J	08055C332JAT2A	X7R	3300	50	5%	.29	.23	.17	4000	.09
581-08055C332K	08055C332KAT2A	X7R	3300	50	10%	.21	.17	.13	4000	.06
581-08055C392K	08055C392KAT2A	X7R	3900	50	10%	.10	.09	.08	4000	.07
581-08055C472J	08055C472JAT2A	X7R	4700	50	5%	.23	.22	.188	4000	.108
581-08055C472K	08055C472KAT2A	X7R	4700	50	10%	.12	.10	.07	4000	.021
581-08051C472K	08051C472KAT2A	X7R	4700	100	10%	.11	.08	.065	4000	.037
581-08055C562J	08055C562JAT2A	X7R	5600	50	5%	.29	.23	.17	4000	.04
581-08055C682J	08055C682JAT2A	X7R	6800	50	5%	.23	.22	.188	4000	.108
581-08053C103M	08053C103MAT2A	X7R	0.01μF	25	20%	.19	.15	.11	4000	.06
581-08055C103J	08055C103JAT2A	X7R	0.01μF	50	5%	.13	.11	.08	4000	.035
581-08055C103K	08055C103KAT2A	X7R	0.01μF	50	10%	.12	.10	.07	4000	.021
581-08051C103J	08051C103JAT2A	X7R	0.01μF	100	5%	.13	.11	.08	4000	.025
581-08051C103K	08051C103KAT2A	X7R	0.01μF	100	10%	.11	.09	.065	4000	.037
581-08052C103K	08052C103KAT2A	X7R	0.01μF	200	10%	.39	.31	.23	4000	.12
581-08055C153K	08055C153KAT2A	X7R	.015μF	50	10%	.17	.16	.13	4000	.075
581-08052C153J	08052C153JAT2A	X7R	.015μF	200	5%	.53	.42	.32	4000	.093
581-08055C183K	08055C183KAT2A	X7R	.018μF	50	10%	.22	.21	.13	4000	.075
581-08055C223J	08055C223JAT2A	X7R	.022μF	50	5%	.21	.17	.13	4000	.06
581-08055C223K	08055C223KAT2A	X7R	.022μF	50	10%	.19	.15	.11	4000	.06

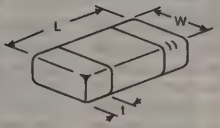
AVX 0805, 1206, 1210 - Multilayer Ceramic Chip Capacitors

AVX
A KYOCERA GROUP COMPANY

Application Note:
A higher voltage capacitor may be used in a lower voltage application. Also available in various voltages, tolerances, sizes, and temperature coefficients.

Features:
- Temperature coefficient C0G (NP0) -55°C to +125°C
  X7R -55°C to +125°C
  X5R -55°C to +85°C
  Y5V -30°C to +85°C
- Preferred Tolerances: ±5%, 10%, 20%





RoHS Compliant

DIMENSIONS: mm (In.)

Size	1206	1210
(L) Length	3.20 ± 0.20 (.126 ± .008)	3.20 ± 0.20 (.126 ± .008)
(W) Width	1.60 ± 0.20 (.063 ± .008)	2.50 ± 0.20 (.098 ± .008)
(t) Thickness	0.50 ± 0.25 (.020 ± .010)	0.50 ± 0.25 (.020 ± .010)

Style 0805 (cont.)

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel	
						1	100	1000	Qty. Per Reel	Price Each
581-08051C223K	08051C223KAT2A	X7R	.022μF	100	10%	.24	.22	.156	4000	.09
581-08052C223K	08052C223KAT2A	X7R	.022μF	200	10%	.34	.32	.27	2000	.15
581-08055C333K	08055C333KAT2A	X7R	.033μF	50	10%	.15	.14	.13	4000	.075
581-08055C393J	08055C393JAT2A	X7R	.039μF	50	5%	.33	.26	.20	4000	.10
581-08055C393K	08055C393KAT2A	X7R	.039μF	50	10%	.11	.09	.065	4000	.037
581-08053C473J	08053C473JAT2A	X7R	.047μF	25	5%	.33	.26	.20	4000	.10
581-08053C473K	08053C473KAT2A	X7R	.047μF	25	10%	.24	.19	.14	4000	.08
581-08055C473J	08055C473JAT2A	X7R	.047μF	50	5%	.33	.30	.21	4000	.123
581-08055C473K	08055C473KAT2A	X7R	.047μF	50	10%	.19	.15	.11	4000	.06
581-08055C683K	08055C683KAT2A	X7R	.068μF	50	10%	.24	.19	.14	4000	.07
581-08055E103M	08055E103MAT2A	Z5U	0.01μF	50	20%	.21	.16	.12	4000	.06

Style 1206

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (μF)	Volt	Tol. ±	Price Each			Reel	
						1	100	1000	Qty. Per Reel	Price Each
581-12065A4R7C	12065A4R7CAT2A	C0G	4.7	50	.25pF	.35	.30	.208	4000	.12
581-12065A5R6D	12065A5R6DAT2A	C0G	5.6	50	.5pF	.40	.24	.10	4000	.04
581-12065A100J	12065A100JAT2A	C0G	10	50	5%	.25	.24	.22	4000	.142
581-12061A100J	12061A100JAT2A	C0G	10	100	5%	.25	.22	.18	4000	.09
581-12065A150J	12065A150JAT2A	C0G	15	50	5%	.27	.26	.24	4000	.142
581-12061A180J	12061A180JAT2A	C0G	18	100	5%	.25	.22	.18	4000	.09
581-12061A220J	12061A220JAT2A	C0G	22	100	5%	.25	.22	.18	4000	.09
581-12062A220J	12062A220JAT2A	C0G	22	200	5%	.10	.09	.08	4000	.05
581-12061A270J	12061A270JAT2A	C0G	27	100	5%	.25	.22	.18	4000	.09
581-12065A330J	12065A330JAT2A	C0G	33	50	5%	.25	.24	.22	4000	.176
581-12061A330J	12061A330JAT2A	C0G	33	100	5%	.46	.31	.18	4000	.05
581-12061A330K	12061A330KAT2A	C0G	33	100	10%	.25	.22	.18	4000	.09
581-12065A470J	12065A470JAT2A	C0G	47	50	5%	.25	.24	.22	4000	.142
581-12061A470J	12061A470JAT2A	C0G	47	100	5%	.25	.22	.18	4000	.09
581-12065A560J	12065A560JAT2A	C0G	56	50	5%	.41	.35	.247	4000	.142
581-12065A680J	12065A680JAT2A	C0G	68	50	5%	.27	.26	.24	4000	.142
581-12065A101J	12065A101JAT2A	C0G	100	50	5%	.25	.24	.22	4000	.142
581-12061A101J	12061A101JAT2A	C0G	100	100	5%	.25	.22	.18	4000	.09
581-12061A101K	12061A101KAT2A	C0G	100	100	10%	.25	.24	.20	4000	.12
581-12062A101J	12062A101JAT2A	C0G	100	200	5%	.30	.29	.243	4000	.14
581-12067A101J	12067A101JAT2A	C0G	100	500	5%	.96	.92	.78	4000	.45
581-12065A121J	12065A121JAT2A	C0G	120	50	5%	.37	.36	.24	4000	.142
581-12061A121J	12061A121JAT2A	C0G	120	100	5%	.25	.22	.18	4000	.09
581-12065A151J	12065A151JAT2A	C0G	150	50	5%	.37	.36	.30	4000	.176
581-12061A151J	12061A151JAT2A	C0G	150	100	5%	.25	.22	.18	4000	.09
581-12062A151J	12062A151JAT2A	C0G	150	200	5%	.45	.40	.266	4000	.153
581-12065A181J	12065A181JAT2A	C0G	180	50	5%	.41	.34	.25	4000	.17
581-12065A221J	12065A221JAT2A	C0G	220	50	5%	.25	.24	.22	4000	.176
581-12061A221K	12061A221KAT2A	C0G	220	100	10%	.25	.24	.20	4000	.12
581-12065A331J	12065A331JAT2A	C0G	330	50	5%	.25	.24	.22	4000	.176
581-12061A331J	12061A331JAT2A	C0G	330	100	5%	.25	.22	.18	4000	.09
581-12067A331J	12067A331JAT2A	C0G	330	500	5%	1.20	1.05	.90	2000	.60
581-12065A471J	12065A471JAT2A	C0G	470	50	5%	.34	.33	.30	4000	.174
581-12061A471J	12061A471JAT2A	C0G	470	100	5%	.34	.33	.30	4000	.26
581-12061A471K	12061A471KAT2A	C0G	470	100	10%	.30	.29	.24	4000	.138
581-12067A471J	12067A471JAT2A	C0G	470	500	5%	.39	.35	.31	2000	.23
581-12065A681J	12065A681JAT2A	C0G	680	50	5%	.37	.36	.30	4000	.174
581-12061A681J	12061A681JAT2A	C0G	680	100	5%	.34	.33	.30	4000	.17
581-12065A102J	12065A102JAT2A	C0G	1000	50	5%	.34	.33	.30	4000	.174
581-12061A102J	12061A102JAT2A	C0G	1000	100	5%	.34	.33	.30	4000	.26
581-12062A102J	12062A102JAT2A	C0G	1000	200	5%	.34	.30	.26	2000	.17
581-12061A152J	12061A152JAT2A	C0G	1500	100	5%	.37	.35	.32	2000	.23
581-12065A272J	12065A272JAT2A	C0G	2700	50	5%	.14	.12	.11	2000	.08
581-12065A332J	12065A332JAT2A	C0G	3300	50	5%	.58	.45	.34	2000	.199
581-12065C102J	12065C102JAT2A	X7R	1000	50	5%	.25	.22	.19	4000	.09
581-12065C102K	12065C102KAT2A	X7R	1000	50	10%	.20	.19	.178	4000	.103
581-12061C102K	12061C102KAT2A	X7R	1000	100	10%	.20	.19	.188	4000	.108
581-12061C152K	12061C152KAT2A	X7R	1500	100	10%	.23	.22	.188	4000	.108
581-12067C152K	12067C152KAT2A	X7R	1500	500	10%	1.20	1.05	.90	2000	.60
581-12065C222K	12065C222KAT2A	X7R	2200	50	10%	.22	.21	.178	4000	.103
581-12061C222K	12061C222KAT2A	X7R	2200	100	10%	.20	.19	.188	4000	.108
581-12061C332K	12061C332KAT2A	X7R	3300	100	10%	.20	.19	.18	4000	.108
581-12065C472K	12065C472KAT2A	X7R	4700	50	10%	.20	.19	.18	4000	.127
581-12061C472K	12061C472KAT2A	X7R	4700	100	10%	.20	.19	.18	4000	.108
581-12067C472K	12067C472KAT2A	X7R	4700	500	10%	1.12	1.07	.81	2000	.47
581-12065C103J	12065C103JAT2A	X7R	.01μF	50	5%	.22	.20	.17	4000	.08
581-12065C103K	12065C103KAT2A	X7R	.01μF	50	10%	.17	.10	.07	4000	.05
581-12061C103J	12061C103JAT2A	X7R	.01μF	100	5%	.24	.22	.20	4000	.116
581-12061C103K	12061C103KAT2A	X7R	.01μF	100	10%	.20	.19	.18	4000	.108
581-12062C103J	12062C103JAT2A	X7R	.01μF	200	5%	.37	.32	.28	4000	.14
581-12062C103K	12062C103KAT2A	X7R	.01μF	200	10%	.32	.30	.26	4000	.15
581-12067C103K	12067C103KAT2A	X7R	.01μF	500	10%	1.60	1.54	1.30	2000	.75
581-12065C223K	12065C223KAT2A	X7R	.022μF	50	10%	.23	.22	.188	4000	.108
581-12061C223J	12061C223JAT2A	X7R	.022μF	100	5%	.22	.20	.17	4000	.08
581-12061C223K	12061C223KAT2A	X7R	.022μF	100	10%	.20	.19	.18	4000	.112

Style 1206 (cont.)

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel	
						1	100	1000	Qty. Per Reel	Price Each
581-12065C273K	12065C273KAT2A	X7R	.027μF	50	10%	.23	.22	.18	4000	.108
581-12065C333J	12065C333JAT2A	X7R	.033μF	50	5%	.29	.25	.22	4000	.11
581-12065C333K	12065C333KAT2A	X7R	.033μF	50	10%	.20	.19	.18	4000	.108
581-12061C333K	12061C333KAT2A	X7R	.033μF	100	10%	.20	.19	.18	4000	.112
581-12061C393K	12061C393KAT2A	X7R	.039μF	100	10%	.04	.04	.04	4000	.02
581-12065C473J	12065C473JAT2A	X7R	.047μF	50	5%	.22	.20	.17	4000	.08
581-12065C473K	12065C473KAT2A	X7R	.047μF	50	10%	.20	.19	.18	4000	.108
581-12061C473K	12061C473KAT2A	X7R	.047μF	100	10%	.20	.19	.18	4000	.112
581-12062C473K	12062C473KAT2A	X7R	.047μF	200	10%	.34	.29	.25	2000	.17
581-12065C683K	12065C683KAT2A	X7R	.068μF	50	10%	.08	.07	.07	4000	.05
581-12062C683K	12062C683KAT2A	X7R	.068μF	200	10%	1.32	1.24	.78	2000	.45

Style 1210

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Temp. Coef.	Value (pF)	Volt	Tol. ±	Price Each			Reel	
						1	100	1000	Qty. Per Reel	Price Each
581-12101A471J	12101A471JAT2A	C0G	470	100	5%	.36	.35	.32	4000	.23
581-12107A471J	12107A471JAT2A	C0G	470	500	5%	1.44	1.38	1.26	2000	.90
581-12105A681J	12105A681JAT2A	C0G	680	50	5%	.36	.35	.29	4000	.23
581-12102A102K	12102A102KAT2A	C0G	1000	200	10%	.60	.58	.53	4000	.38
581-12107A102K	12107A102KAT2A	C0G	1000	500	10%	1.60	1.52	1.40	2000	1.00
581-12102A122K	12102A122KAT2A	C0G	1200	200	10%	.60	.58	.53	4000	.38
581-12102A152F	12102A152FAT2A	C0G	1500	200	1%	3.90	3.73	3.41	2000	2.44
581-12105A222F	12105A222FAT2A	C0G	2200	50	1%	1.76	1.69	1.54	4000	1.10
581-12101A222F	12101A222FAT2A	C0G	2200	100	1%	1.76	1.69	1.54	4000	1.10
581-12105A332J	12105A332JAT2A	C0G	3300	50	5%	.52	.50	.42	4000	.11
581-12107C102K	12107C102KAT2A	X7R	1000	500	10%	1.12	.98	.84	4000	.42
581-12107C562K	12107C562KAT2A	X7R	5600	500	10%	1.20	1.16	1.05	2000	.75
581-12101C103K	12101C103KAT2A	X7R	0.01μF	100	10%	.41	.39	.32	4000	.09
581-12102C103K	12102C103KAT2A	X7R	0.01μF	200	10%	.68	.65	.60	4000	.30
581-12107C103K	12107C103KAT2A	X7R	0.01μF	500	10%	1.28	1.12	.96	4000	.35
581-12107C123K	12107C123KAT2A	X7R	0.012μF	500	10%	1.28	1.21	1.12	2000	.35
581-12107C153K	12107C153KAT2A	X7R	0.015μF	500	10%	1.84	1.77	1.61	2000	1.15
581-12107C183K	12107C183KAT2A	X7R	0.018μF	500	10%	1.90	1.83	1.66	4000	1.19
581-1210CC273K	1210CC273KA1ME	X7R	0.027μF	600	10%	1.86	1.76	1.63	2000	.93
581-12102C473K	12102C473KAT2A	X7R	0.047μF	200	10%	.90	.87	.79	4000	.56
581-12101C563K	12101C563KAT2A	X7R	0.056μF	100	10%	.40	.38	.35	4000	.25
581-12101C823K	12101C823KAT2A	X7R	0.082μF	100	10%	.40	.38	.35	4000	.25
581-12102U181F	12102U181FAT2A	Z5U	180	200	1%	3.54	3.39	3.09	2000	2.21

AVX CERAMIC CHIP CAPACITOR KITS

MOUSER STOCK NO.	Temp Coef.	Volt	Tol. ±	Values	Price Each
581-0402CC-KIT (100 Pieces for ea. 39 values)	C0G	50V	±0.25 pF	0.5, 1.0, 1.5, 2.7, 3, 3.3, 3.9, 4.7, 5.6, 6.8	106.86
	C0G	50V	5%	10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 150	
	X5R	16V	10%	0.047μF, 0.1μF	
	X7R	16V	10%	0.01μF, 0.012μF, 0.22μF	
	X7R	25V	10%	4700	
	X7R	50V	10%	220, 270, 470, 560, 1000, 2200, 3300	
	X7R	50V	5%	1000	
	Y5V	16V	+80,-20	0.1μF	
581-0603CC-KIT (100 Pieces for ea. 37 values)	C0G	50V	5%	10, 18, 22, 27, 33, 39, 47, 68, 100, 150, 180, 220, 270, 330, 390, 470	114.03
	C0G	100V	5%	15	
	X5R	6.3	10%	2.2μF	
	X5R	10V	10%	1.0μF	
	X7R	10	10%	0.22μF, 680	
	X7R	16	5%	0.1μF	
	X7R	16	10%	0.1μF	
	X7R	25	10%	0.047μF	
	X7R	50	5%	1000	
	X7R	50	10%	1500, 2200, 3300, 4700, 6800, 10000,15000, 22000	
	X7R	50	5%	0.01μF	
	X7R	100	10%	100, 1000	
	Y5V	50	+80,-20	0.1μF	
581-0805CC-KIT (50 Pieces for ea. 43 values)	C0G	50	±0.25 pF	1.0	98.28
	C0G	50	5%	10, 15, 18, 22, 27, 33, 39, 47, 56, 68, 80, 100, 120,150, 220, 270, 330, 470, 560, 680, 1000	
	X5R	6.3	10%	10μF	
	X5R	10V	10%	2.2μF, 3.3μF, 4.7μF,	
	X5R	25V	10%	1.0μF	
	X7R	25	10%	0.22μF, 0.33μF, 0.47μF,	
	X7R	50V	10%	1000, 1500, 2200, 3300, 4700, 10000, 15000, 22000, 33000, 47000, 0.1μF	
	X7R	50V	5%	0.1μF	
	Z5U	50	20%	0.1μF	

KEMET FT-CAP Flexible Termination MLCC

The Capacitance Company KEMET CHARGED.

RoHS Compliant This page of product is compliant.

FT-CAP FLEXIBLE TERMINATION MLCC

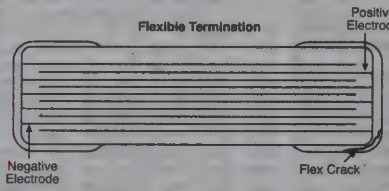
The FT-CAP is a surface mount multi-layer ceramic capacitor that incorporates a unique and flexible termination system. Integrated with KEMET's standard termination materials, a conductive epoxy is utilized between the conductive metallization and nickel barrier finish in order to establish pliability while maintaining terminal strength, solderability and electrical performance. This technology directs board flex stress away from the ceramic body and into the termination area. As a result, this termination system mitigates the risk of low-IR or short-circuit failures associated with board flex. All FT-CAP products meet the requirements of the Automotive Electronics Council AEC-Q200-REVC and come with 100% pure matte, tin-plated terminations for superior solderability. All parts are environmentally friendly in compliance with RoHS legislation and are capable of PB-free reflow profiles.

Electrical Parameters:

- Operating Range: -55°C to +125°C, with no-bias capacitance shift limited to ±15% over that range.
- Insulation Resistance (IR) measured after 2 minutes at rated voltage @ 25°C: Limit is 500 megohm microfarads or 100,000 MΩ, whichever of the two is smaller.
- Capacitance and Dissipation Factor (DF) measured under the following conditions: 1kHz and 1 Vrms if capacitance ≤10μF120Hz and 0.5 Vrms if capacitance > 10μF
- DF Limits are: 50 to 200 Volts - 2.5%; 16 to 25 Volts - 3.5%; 6.3/10Volts - 5.0%
- AEC-Q200 REV.C - Automotive

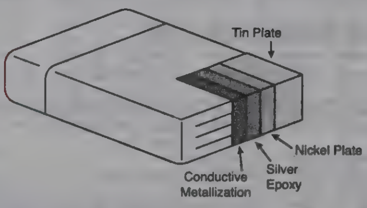
Advantages over Standard Termination MLCC:

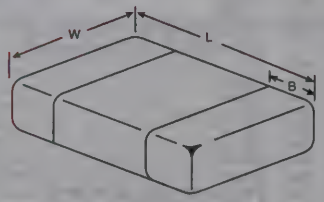
- Significantly reduces catastrophic and potentially costly failure event due to board flex.
- Greatly reduces the likelihood of a low-IR or short-circuit condition in a board flex situation.
- Channels flex stress to the end terminations (Flexible Termination).
- Allows for up to 5mm of board flex capability (Flexible Termination).



The Flex Crack is moved into the end termination, away from the electrodes; significantly reducing the risk of short circuit failure due to flex.

Capacitance Values					
Case Size	16	25	50	100	200
0603	181-105	181-105	181-105	181-473	181-103
0805	181-225	181-225	181-225	181-224	181-563
1206	102-106	102-475	102-225	102-474	102-154
1210	222-106	222-106	222-475	222-105	222-104





DIMENSIONS: mm (in.)			
EIA Size Code	L (Length)	W (Width)	B (Bandwidth)
0603	1.6±0.15 (.063±.006)	0.8±0.15 (.032±.006)	0.35±0.15 (.014±.006)
0805	2.0±0.20 (.079±.008)	1.25±0.20 (.049±.008)	0.05±0.25 (.02±.010)
1206	3.2±0.20 (.126±.008)	1.6±0.20 (.063±.008)	0.50±0.25 (.02±.010)
1210	3.2±0.20 (.126±.008)	2.5±0.20 (.098±.008)	0.50±0.25 (.02±.010)

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol. (±)	Price Each					7" Reel Qty.	Price Per Piece
					1	50	100	500	1000		
Style 0603											
80-C0603X221M5R	C0603X221M5RACTU	220	50	20	.44	.37	.30	.23	.21	4000	.09
80-C0603X471K5R	C0603X471K5RACTU	470	50	10	.46	.39	.31	.24	.22	4000	.09
80-C0603X102K5R	C0603X102K5RACTU	1000	50	10	.33	.28	.22	.17	.15	4000	.07
80-C0603X102K1R	C0603X102K1RACTU	1000	100	10	.33	.28	.22	.17	.15	4000	.07
80-C0603X102K2R	C0603X102K2RACTU	1000	200	10	.33	.28	.22	.17	.15	4000	.07
80-C0603X222K5R	C0603X222K5RACTU	2200	50	10	.46	.39	.31	.24	.22	4000	.09
80-C0603X272K1R	C0603X272K1RACTU	2700	100	10	.46	.39	.31	.24	.22	4000	.09
80-C0603X392K5R	C0603X392K5RACTU	3900	50	10	.46	.39	.31	.24	.22	4000	.09
80-C0603X472K5R	C0603X472K5RACTU	4700	50	10	.46	.39	.31	.24	.22	4000	.09
80-C0603X103K5R	C0603X103K5RACTU	10000	50	10	.46	.39	.31	.24	.22	4000	.09
80-C0603X223K5R	C0603X223K5RACTU	22000	50	10	.38	.32	.25	.20	.18	4000	.08
80-C0603X333K3R	C0603X333K3RACTU	33000	25	10	.38	.32	.25	.20	.18	4000	.08
80-C0603X473K4R	C0603X473K4RACTU	47000	16	10	.34	.29	.23	.18	.16	4000	.07
80-C0603X473K3R	C0603X473K3RACTU	47000	25	10	.34	.29	.23	.18	.16	4000	.07
80-C0603X473K5R	C0603X473K5RACTU	47000	50	10	.34	.29	.23	.18	.16	4000	.07
80-C0603X104K4R	C0603X104K4RACTU	100000	16	10	.38	.32	.25	.20	.18	4000	.08
80-C0603X104K3R	C0603X104K3RACTU	100000	25	10	.38	.32	.25	.20	.18	4000	.08
80-C0603X104K5R	C0603X104K5RACTU	100000	50	10	.38	.32	.25	.20	.18	4000	.08
80-C0603X124K8R	C0603X124K8RACTU	120000	10	10	.33	.28	.22	.17	.16	4000	.07
80-C0603X224K8R	C0603X224K8RACTU	220000	10	10	.53	.45	.35	.28	.25	4000	.11
80-C0603X224K4R	C0603X224K4RACTU	220000	16	10	.53	.45	.35	.28	.25	4000	.11
Style 0805											
80-C0805X471K5R	C0805X471K5RACTU	470	50	10	.44	.37	.30	.23	.21	4000	.09
80-C0805X102K2R	C0805X102K2RACTU	1000	200	10	.31	.27	.21	.16	.15	4000	.06
80-C0805X222K5R	C0805X222K5RACTU	2200	50	10	.44	.37	.30	.23	.21	4000	.18
80-C0805X332K5R	C0805X332K5RACTU	3300	50	10	.44	.37	.30	.23	.21	4000	.09
80-C0805X472K5R	C0805X472K5RACTU	4700	50	10	.44	.37	.30	.23	.21	4000	.18
80-C0805X562K5R	C0805X562K5RACTU	5600	50	10	.44	.37	.30	.23	.21	4000	.18
80-C0805X103K1R	C0805X103K1RACTU	10000	100	10	.44	.37	.30	.23	.21	4000	.09
80-C0805X153K5R	C0805X153K5RACTU	15000	50	10	.44	.37	.30	.23	.21	4000	.09
80-C0805X223K5R	C0805X223K5RACTU	22000	50	10	.44	.37	.30	.23	.21	4000	.18
80-C0805X223K1R	C0805X223K1RACTU	22000	100	10	.44	.37	.30	.23	.21	4000	.09
80-C0805X473K5R	C0805X473K5RACTU	47000	50	10	.44	.37	.30	.23	.21	4000	.18
80-C0805X683K5R	C0805X683K5RACTU	68000	50	10	.40	.34	.27	.21	.19	4000	.16
80-C0805X104K1R	C0805X104K1RACTU	100000	100	10	.40	.34	.27	.21	.08	2500	.07
80-C0805X224K4R	C0805X224K4RACTU	220000	16	10	.93	.79	.63	.49	.44	4000	.37
80-C0805X224K3R	C0805X224K3RACTU	220000	25	10	.93	.79	.63	.49	.44	4000	.37
80-C0805X224K5R	C0805X224K5RACTU	220000	50	10	.93	.79	.63	.49	.44	4000	.37
80-C0805X334K4R	C0805X334K4RACTU	330000	16	10	1.01	.86	.68	.53	.20	2500	.18
80-C0805X474K4R	C0805X474K4RACTU	470000	16	10	1.13	.96	.76	.59	.23	2500	.20
80-C0805X474K3R	C0805X474K3RACTU	470000	25	10	1.13	.96	.76	.59	.23	2500	.20
80-C0805X474K5R	C0805X474K5RACTU	470000	50	10	1.13	.96	.76	.59	.23	2500	.20
80-C0805X684K8R	C0805X684K8RACTU	680000	10	10	1.44	1.22	.97	.75	.29	2500	.26
80-C0805X105K8R	C0805X105K8RACTU	1.0uF	10	10	1.25	1.06	.84	.66	.25	2500	.23
80-C0805X105K4R	C0805X105K4RACTU	1.0uF	16	10	1.25	1.06	.84	.66	.25	2500	.23
80-C0805X225K8R	C0805X225K8RACTU	2.2Uf	10	10	1.50	1.28	1.01	.79	.30	2500	.27
80-C0805X225K4R	C0805X225K4RACTU	2.2Uf	16	10	1.50	1.28	1.01	.79	.30	2500	.27
Style 1206											
80-C1206X102K5R	C1206X102K5RACTU	1000	50	10	.53	.45	.35	.28	.25	4000	.21
80-C1206X472K5R	C1206X472K5RACTU	4700	50	10	.53	.45	.35	.28	.25	4000	.21
80-C1206X562K5R	C1206X562K5RACTU	5600	50	10	.53	.45	.35	.28	.25	4000	.21
80-C1206X103K1R	C1206X103K1RACTU	10000	100	10	.38	.32	.25	.20	.18	4000	.15
80-C1206X103K2R	C1206X103K2RACTU	10000	200	10	.38	.32	.25	.20	.18	4000	.15
80-C1206X153K5R	C1206X153K5RACTU	15000	50	10	.60	.51	.40	.31	.28	4000	.24
80-C1206X223K5R	C1206X223K5RACTU	22000	50	10	.60	.51	.40	.31	.28	4000	.24
80-C1206X473K5R	C1206X473K5RACTU	47000	50	10	.63	.53	.42	.33	.30	4000	.25
80-C1206X473K1R	C1206X473K1RACTU	47000	100	10	.63	.53	.42	.33	.30	4000	.25
80-C1206X104M5R	C1206X104M5RACTU	100000	50	20	.76	.65	.52	.40	.36	4000	.31
80-C1206X104K1R	C1206X104K1RACTU	100000	100	10	.86	.73	.58	.45	.41	4000	.35
80-C1206X154M5R	C1206X154M5RACTU	150000	50	20	.90	.77	.61	.47	.43	4000	.36
80-C1206X154K1R	C1206X154K1RACTU	150000	100	10	1.00	.85	.67	.52	.47	4000	.40
80-C1206X224K5R	C1206X224K5RACTU	220000	50	10	1.37	1.16	.92	.72	.65	4000	.55
80-C1206X224K1R	C1206X224K1RACTU	220000	100	10	1.37	1.16	.92	.72	.65	4000	.55
80-C1206X474K4R	C1206X474K4RACTU	470000	16	10	1.25	1.06	.84	.66	.59	4000	.50
80-C1206X474K3R	C1206X474K3RACTU	470000	25	10	1.25	1.06	.84	.66	.59	4000	.50
80-C1206X474K5R	C1206X474K5RACTU	470000	50	10	1.25	1.06	.84	.66	.59	4000	.50
80-C1206X105K4R	C1206X105K4RACTU	1.0uF	16	10	1.50	1.28	1.01	.79	.30	2500	.27
80-C1206X105K3R	C1206X105K3RACTU	1.0uF	25	10	1.50	1.28	1.01	.79	.71	2000	.30
80-C1206X105M3R	C1206X105M3RACTU	1.0uF	25	20	1.43	1.21	.96	.75	.68	2000	.29
80-C1206X225K4R	C1206X225K4RACTU	2.2uF	16	10	1.94	1.65	1.31	1.02	.92	2000	.39
80-C1206X475K4R	C1206X475K4RACTU	4.7uF	16	10	2.25	1.91	1.52	1.18	.45	2500	.41
80-C1206X106K4R	C1206X106K4RACTU	10uF	16	10	2.50	2.13	1.69	1.31	1.19	2000	.50
80-C1206X106M4R	C1206X106M4RACTU	10uF	16	20	2.44	2.07	1.65	1.28	1.16	2000	.49
Style 1210											
80-C1210X333K2R	C1210X333K2RACTU	33000	200	10	1.10	.94	.74	.58	.52	4000	.44
80-C1210X104K5R	C1210X104K5RACTU	100000	50	10	1.28	1.09	.86	.67	.61	4000	.51
80-C1210X104K1R	C1210X104K1RACTU	100000	100	10	1.28	1.09	.86	.67	.61	4000	.51
80-C1210X104K2R	C1210X104K2RACTU	100000	200	10	1.28	1.09	.86	.67	.26	2500	.23
80-C1210X224K5R	C1210X224K5RACTU	220000	50	10	1.56	1.32	1.05	.82	.74	4000	.62
80-C1210X334K5R	C1210X334K5RACTU	330000	50	10	2.31	1.97	1.56	1.21	1.10	4000	.93
80-C1210X474K5R	C1210X474K5RACTU	470000	50	10	2.06	1.75	1.39	1.08	.98	4000	.83
80-C1210X684K5R	C1210X684K5RACTU	680000	50	10	2.06	1.75	1.39	1.08	.98	4000	.83
80-C1210X105K5R	C1210X105K5RACTU	1.0uF	50	10	2.25	1.91	1.52	1.18	1.07	2000	.45
80-C1210X225K5R	C1210X225K5RACTU	2.2uF	50	10	1.88	1.59	1.27	.98	.38	2500	.34
80-C1210X475K5R	C1210X475K5RACTU	4.7uF	50	10	2.88	2.44	1.94	1.51	.58	1000	.52
80-C1210X106M3R	C1210X106M3RACTU	10uF	25	20	2.50	2.13	1.69	1.31	.50	1000	.45

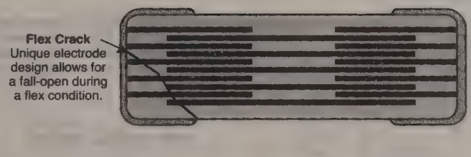
KEMET Ceramic Capacitors

RoHS Compliant **This page of product is compliant.**

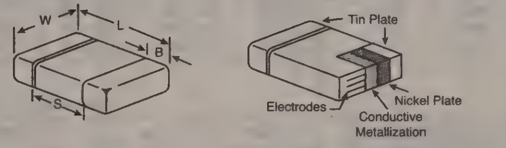
The Capacitance Company
KEMET
CHARGED.

FAIL-SAFE FLOATING ELECTRODE MLCC/FE-CAP

The FE-CAP is a surface mount multilayer ceramic capacitor which utilizes a floating internal electrode design, wherein the electrodes are configured to form multiple capacitors in series within a single MLCC package. This not only yields improved voltage and ESD performance over standard designs, but also mitigates the risk of low-IR or short-circuits failures that can occur due to board flex. The FE-CAP is being offered in case sizes ranging from EIA 0402 to EIA 1812 with rated voltages ranging from 6.3VDC to 250VDC. Combined with the stability of an X7R dielectric, the FE-CAP offers a flex-robust solution at low to mid-range capacitance values and an operating temperature range of -55°C to +125°C with zero bias capacitance shift limited to ±15% over that range. These components are widely used in critical application where mechanical stress is a concern. When flexed to mechanical failure the floating electrode design of the FE-CAP eliminates the current path between positive and negative poles. Absence of this current path reduces the probability of a short-circuit condition. All FE-CAP products meet the requirements of the Automotive Electronics Council's AEC-Q200-Rev C and come with 100% pure matte, tin-plated terminations for superior solderability. All parts are environmentally friendly, in compliance with RoHS legislation and are capable of Pb-free reflow profiles.


Flex Crack
Unique electrode design allows for a fail-open during a flex condition.

EIA Size Code	Metric Size Code	DIMENSIONS: mm (in.)			
		L Length	W Width	B Bandwidth	S Separation
0402	1005	1.0 (.04) ± 0.05 (.002)	0.5 (.02) ± 0.05 (.002)	0.20 (.008) -0.40 (.016)	0.30 (.012)
0603	1608	1.6 (.063) ± 0.15 (.006)	0.8 (.032) ± 0.15 (.006)	0.35 (.014) ± 0.15 (.006)	0.70 (.028)
0805	2012	2.0 (.079) ± 0.20 (.008)	1.25 (.049) ± 0.20 (.008)	0.05 (.02) ± 0.25 (.010)	0.75 (.030)
1206	3216	3.2 (.126) ± 0.20 (.008)	1.6 (.063) ± 0.20 (.008)	0.50 (.02) ± .25 (.010)	N/A
1210	3225	3.2 (.126) ± 0.20 (.008)	2.5 (.098) ± 0.20 (.008)	0.50 (.02) ± .25 (.010)	N/A
1812	4532	4.5 (.177) ± 0.30 (.012)	3.2 (.126) ± 0.30 (.012)	0.60 (.024) ± .35 (.014)	N/A



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt.	Tol. (+/-)	Price Each			Qty. per Reel	Price Each
					1	100	500		
0402									
80-C0402S221K3R	C0402S221K3RACTU	220	25	10	.27	.18	.13	10000	.11
80-C0402S221K5R	C0402S221K5RACTU	220	50	10	.27	.18	.13	10000	.11
80-C0402S391K5R	C0402S391K5RACTU	390	50	10	.27	.18	.16	10000	.11
80-C0402S471K4R	C0402S471K4RACTU	470	16	10	.27	.18	.13	10000	.11
80-C0402S471K5R	C0402S471K5RACTU	470	50	10	.27	.18	.16	10000	.11
80-C0402S561K4R	C0402S561K4RACTU	560	16	10	.27	.18	.16	10000	.11
80-C0402S681K5R	C0402S681K5RACTU	680	50	10	.27	.18	.16	10000	.11
80-C0402S821K4R	C0402S821K4RACTU	820	16	10	.27	.18	.16	10000	.11
80-C0402S821K5R	C0402S821K5RACTU	820	50	10	.27	.18	.16	10000	.11
80-C0402S102K4R	C0402S102K4RACTU	1000	16	10	.25	.17	.13	10000	.11
80-C0402S102K3R	C0402S102K3RACTU	1000	25	10	.25	.17	.13	10000	.11
80-C0402S102K5R	C0402S102K5RACTU	1000	50	10	.25	.17	.13	10000	.11
0603	For quantities of 4000 and up, call for quote.								
80-C0603S221K5R	C0603S221K5RACTU	220	50	10	.19	.12	.09	4000	.07
80-C0603S221K1R	C0603S221K1RACTU	220	100	10	.22	.14	.11	4000	.08
80-C0603S331J5R	C0603S331J5RACTU	330	50	5	.28	.19	.14	4000	.11
80-C0603S331K5R	C0603S331K5RACTU	330	50	10	.19	.12	.09	4000	.07
80-C0603S471K5R	C0603S471K5RACTU	470	50	10	.19	.12	.09	4000	.07
80-C0603S471K1R	C0603S471K1RACTU	470	100	10	.22	.14	.11	4000	.08
80-C0603S561K5R	C0603S561K5RACTU	560	50	10	.19	.12	.11	4000	.08
80-C0603S681K3R	C0603S681K3RACTU	680	25	10	.19	.12	.11	4000	.08
80-C0603S681K5R	C0603S681K5RACTU	680	50	10	.19	.12	.11	4000	.08
80-C0603S821K5R	C0603S821K5RACTU	820	50	10	.19	.12	.11	4000	.08
80-C0603S102K4R	C0603S102K4RACTU	1000	16	10	.19	.12	.09	4000	.07
80-C0603S102K3R	C0603S102K3RACTU	1000	25	10	.19	.12	.09	4000	.07
80-C0603S102J5R	C0603S102J5RACTU	1000	50	5	.28	.19	.14	4000	.11
80-C0603S102K5R	C0603S102K5RACTU	1000	50	10	.19	.12	.09	4000	.07
80-C0603S102K1R	C0603S102K1RACTU	1000	100	10	.22	.14	.11	4000	.08
80-C0603S102K2R	C0603S102K2RACTU	1000	200	10	.26	.17	.13	4000	.10
80-C0603S122K5R	C0603S122K5RACTU	1200	50	10	.19	.12	.11	4000	.08
80-C0603S152K5R	C0603S152K5RACTU	1500	50	10	.19	.12	.09	4000	.07
80-C0603S152K1R	C0603S152K1RACTU	1500	100	10	.22	.14	.13	4000	.09
80-C0603S182K5R	C0603S182K5RACTU	1800	50	10	.19	.12	.11	4000	.08
80-C0603S182K1R	C0603S182K1RACTU	1800	100	10	.22	.14	.11	4000	.08
80-C0603S222K3R	C0603S222K3RACTU	2200	25	10	.19	.12	.09	4000	.07
80-C0603S222J5R	C0603S222J5RACTU	2200	50	5	.28	.19	.14	4000	.11
80-C0603S222K5R	C0603S222K5RACTU	2200	50	10	.19	.12	.09	4000	.07
80-C0603S222K1R	C0603S222K1RACTU	2200	100	10	.22	.14	.11	4000	.08
80-C0603S272K5R	C0603S272K5RACTU	2700	50	10	.19	.12	.11	4000	.08
80-C0603S272K1R	C0603S272K1RACTU	2700	100	10	.22	.14	.11	4000	.08
80-C0603S332K5R	C0603S332K5RACTU	3300	50	10	.19	.12	.09	4000	.07
80-C0603S392K5R	C0603S392K5RACTU	3900	50	10	.19	.12	.11	4000	.08
80-C0603S472K3R	C0603S472K3RACTU	4700	25	10	.15	.10	.09	4000	.06
80-C0603S472J5R	C0603S472J5RACTU	4700	50	5	.28	.19	.14	4000	.11
80-C0603S472K5R	C0603S472K5RACTU	4700	50	10	.19	.12	.09	4000	.07
80-C0603S562K5R	C0603S562K5RACTU	5600	50	10	.19	.12	.11	4000	.08
80-C0603S682K5R	C0603S682K5RACTU	6800	50	10	.19	.12	.09	4000	.07
80-C0603S822K5R	C0603S822K5RACTU	8200	50	10	.19	.12	.11	4000	.08
80-C0603S103K4R	C0603S103K4RACTU	10000	16	10	.15	.10	.08	4000	.06
80-C0603S103K3R	C0603S103K3RACTU	10000	25	10	.15	.10	.08	4000	.06
80-C0603S103M3R	C0603S103M3RACTU	10000	25	20	.14	.09	.07	4000	.05
80-C0603S103J5R	C0603S103J5RACTU	10000	50	5	.28	.19	.14	4000	.11
80-C0603S103K5R	C0603S103K5RACTU	10000	50	10	.19	.12	.09	4000	.07
80-C0603S103M5R	C0603S103M5RACTU	10000	50	20	.17	.12	.09	4000	.07
80-C0603S153K3R	C0603S153K3RACTU	15000	25	10	.15	.10	.09	4000	.06
80-C0603S153K5R	C0603S153K5RACTU	15000	50	10	.21	.14	.10	4000	.08
80-C0603S183K3R	C0603S183K3RACTU	18000	25	10	.15	.10	.09	4000	.06
80-C0603S223K4R	C0603S223K4RACTU	22000	16	10	.15	.10	.08	4000	.06
80-C0603S223J3R	C0603S223J3RACTU	22000	25	5	.21	.14	.11	4000	.08
80-C0603S223K3R	C0603S223K3RACTU	22000	25	10	.15	.10	.08	4000	.06
80-C0603S223K5R	C0603S223K5RACTU	22000	50	10	.21	.14	.10	4000	.08
0805									
80-C0805S221K5R	C0805S221K5RACTU	220	50	10	.24	.16	.14	4000	.10
80-C0805S221K2R	C0805S221K2RACTU	220	200	10	.33	.22	.19	4000	.14
80-C0805S471J5R	C0805S471J5RACTU	470	50	5	.27	.18	.14	4000	.10
80-C0805S471K5R	C0805S471K5RACTU	470	50	10	.18	.12	.09	4000	.07
80-C0805S471K1R	C0805S471K1RACTU	470	100	10	.21	.14	.10	4000	.08
80-C0805S102K5R	C0805S102K5RACTU	1000	50	10	.18	.12	.09	4000	.07
80-C0805S102M5R	C0805S102M5RACTU	1000	50	20	.17	.11	.08	4000	.07

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt.	Tol. (+/-)	Price Each			Qty. per Reel	Price Each
					1	100	500		
0805									
80-C0805S102K1R	C0805S102K1RACTU	1000	100	10	.21	.14	.10	4000	.08
80-C0805S102K2R	C0805S102K2RACTU	1000	200	10	.25	.17	.13	4000	.09
80-C0805S102M2R	C0805S102M2RACTU	1000	200	20	.23	.15	.12	4000	.09
80-C0805S152K5R	C0805S152K5RACTU	1500	50	10	.18	.12	.11	4000	.08
80-C0805S222K5R	C0805S222K5RACTU	2200	50	10	.18	.12	.09	4000	.07
80-C0805S222K1R	C0805S222K1RACTU	2200	100	10	.21	.14	.10	4000	.08
80-C0805S222K2R	C0805S222K2RACTU	2200	200	10	.25	.17	.15	4000	.11
80-C0805S332K5R	C0805S332K5RACTU	3300	50	10	.18	.12	.09	4000	.07
80-C0805S472J5R	C0805S472J5RACTU	4700	50	5	.27	.18	.14	4000	.10
80-C0805S472K5R	C0805S472K5RACTU	4700	50	10	.18	.12	.09	4000	.07
80-C0805S472K1R	C0805S472K1RACTU	4700	100	10	.21	.14	.10	4000	.08
80-C0805S472K2R	C0805S472K2RACTU	4700	200	10	.25	.17	.15	4000	.11
80-C0805S682K5R	C0805S682K5RACTU	6800	50	10	.18	.12	.11	4000	.08
80-C0805S103J5R	C0805S103J5RACTU	10000	50	5	.27	.18	.14	4000	.10
80-C0805S103K5R	C0805S103K5RACTU	10000	50	10	.18	.12	.09	4000	.07
80-C0805S103M5R	C0805S103M5RACTU	10000	50	20	.17	.11	.08	4000	.07
80-C0805S103K1R	C0805S103K1RACTU	10000	100	10	.21	.14	.10	4000	.08
80-C0805S103M1R	C0805S103M1RACTU	10000	100	20	.19	.12	.09	4000	.07
80-C0805S123K1R	C0805S123K1RACTU	12000	100	10	.23	.15	.13	4000	.10
80-C0805S123M1R	C0805S123M1RACTU	12000	100	20	.21	.14	.10	4000	.08
80-C0805S153K4R	C0805S153K4RACTU	15000	16	10	.20	.13	.12	4000	.08
80-C0805S153K5R	C0805S153K5RACTU	15000	50	10	.20	.13	.10	4000	.08
80-C1206S153K2R	C1206S153K2RACTU	15000	200	10	.34	.23	.20	4000	.14
80-C0805S223J5R	C0805S223J5RACTU	22000	50	5	.30	.20	.15	4000	.11
80-C0805S223K5R	C0805S223K5RACTU	22000	50	10	.20	.13	.10	4000	.08
80-C0805S223K1R	C0805S223K1RACTU	22000	100	10	.23	.15	.12	4000	.09
80-C0805S273K5R	C0805S273K5RACTU	27000	50	10	.20	.13	.12	4000	.08
80-C0805S333K5R	C0805S333K5RACTU	33000	50	10	.22	.14	.11	4000	.08
80-C0805S473K5R	C0805S473K5RACTU	47000	50	10	.24	.16	.12	4000	.09
80-C0805S473M5R	C0805S473M5RACTU	47000	50	20	.22	.14	.11	4000	.08
1206									
80-C1206S102K5R	C1206S102K5RACTU	1000	50	10	.22	.14	.11	4000	.08
80-C1206S102K1R	C1206S102K1RACTU	1000	100	10	.25	.17	.13	4000	.09
80-C1206S102M1R	C1206S102M1RACTU	1000	100	20	.22	.14	.11	4000	.08
80-C1206S102K2R	C1206S102K2RACTU	1000	200	10	.30	.20	.15	4000	.11
80-C1206S222K1R	C1206S222K1RACTU	2200	100	10	.25	.17	.13	4000	.09
80-C1206S222K2R	C1206S222K2RACTU	2200	200	10	.30	.20	.15	4000	.11
80-C1206S332K5R	C1206S332K5RACTU	3300	50	10	.22	.14	.11	4000	.08
80-C1206S472K5R	C1206S472K5RACTU	4700	50	10	.22	.14	.11	4000	.08
80-C1206S103K5R	C1206S103K5RACTU	10000	50	10	.22	.14	.11	4000	.08
80-C1206S103M5R	C1206S103M5RACTU	10000	50	20	.19	.13	.10	4000	.07
80-C1206S103J1R	C1206S103J1RACTU	10000	100	5	.37	.25	.19	4000	.14
80-C1206S103K1R	C1206S103K1RACTU	10000	100	10	.25	.17	.13	4000	.09
80-C1206S103M1R	C1206S103M1RACTU	10000	100	20	.22	.15	.11	4000	.08
80-C1206S103K2R	C1206S103K2RACTU	10000	200	10	.30	.20	.15	4000	.11
80-C1206S103M2R	C1206S103M2RACTU	10000	200	20	.27	.18	.14	4000	.10
80-C1206S153J2R	C1206S153J2RACTU	15000	200	5	.51	.34	.26	4000	.19
80-C1206S223K5R	C1206S223K5RACTU	22000	50	10	.24	.16	.12	4000	.09
80-C1206S223K1R	C1206S223K1RACTU	22000	100	10	.28	.19	.14	4000	.11
80-C1206S223K2R	C1206S223K2RACTU	22000	200	10	.34	.23	.17	4000	.13
80-C1206S333K5R	C1206S333K5RACTU	33000	50	10	.24	.16	.12	4000	.09
80-C1206S473K5R	C1206S473K5RACTU	47000	50	10	.26	.17	.13	4000	.10
80-C1206S473K1R	C1206S473K1RACTU	47000	100	10	.30	.20	.15	4000	.11
80-C1206S104J5R	C1206S104J5RACTU	100000	50	5	.47	.31	.23	4000	.18
80-C1206S104K5R	C1206S104K5RACTU	100000	50	10	.31	.21	.16	4000	.12
80-C1206S104M5R	C1206S104M5RACTU	100000	50	20	.28	.19	.14	4000	.10
1210									
80-C1210S333K2R	C1210S333K2RACTU	33000	200	10	.63	.42	.32	4000	.24
80-C1210S473K1R	C1210S473K1RACTU	47000	100	10	.55	.37	.28	4000	.21
80-C1210S473K2R	C1210S473K2RACTU	47000	200	10	.68	.45	.34	4000	.25
80-C1210S104J5R	C1210S104J5RACTU	100000	50	5	.79	.53	.40	4000	.30
80-C1210S104K5R	C1210S104K5RACTU	100000	50	10	.53	.35	.26	4000	.20
80-C1210S104K1R	C1210S104K1RACTU	100000	100	10	.60	.40	.30	4000	.23
80-C1210S104M1R	C1210S104M1RACTU	100000	100	20	.55	.36	.27	4000	.21
80-C1210S224K5R	C1210S224K5RACTU	220000	50	10	.79	.53	.40	4000	.30
1812									
80-C1812S104K1R	C1812S104K1RACTU	100000	100	10	1.15	.77	.58	4000	.40
80-C1812S224K5R	C1812S224K5RACTU	220000	50	10	1.00	.67	.50	4000	.38

KEMET Ceramic Chip Capacitors

The Capacitance Company
KEMET
CHARGED.

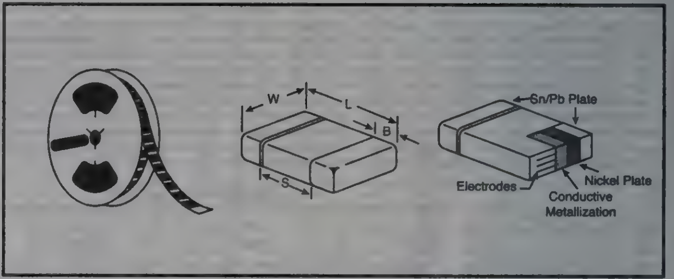
RoHS Compliant **This page of product is compliant.**

The Capacitance Company KEMET CHARGED.

TIN/LEAD TERMINATION CERAMIC CHIP CAPACITORS

KEMET's line of Tin/Lead termination commercial MLCC surface mount capacitors are designed to meet the needs of the commercial, high reliability, where Tin/Lead plating is required. KEMET's Tin/Lead elec-troplating process is designed to meet a 5% minimum lead content in the termination of the component. As the bulk of the electronics industry marches to RoHS compliance it is important that KEMET provide the Tin/Lead terminated products for our valued high reliability customers.

EIA Size Code	Metric Size Code (Ref only)	DIMENSIONS: mm (in.) L Length	W Width	B Bandwidth	S Min. Separation	Mounting Technique
0402	1005	1.0 (.04)	0.5 (.02)	0.20 (0.008)	0.3 (.012)	Solder Reflow
0603	1608	1.6 (.063)	0.8 (.032)	0.35 (.014)	0.7 (.028)	Solder Wave or Solder Reflow
0805	2012	2.0 (.079)	1.25 (.049)	0.5 (.02)	0.75 (.030)	
1206	3216	3.2 .126)	1.6 (.063)	0.5 (.02)	N/A	



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt.	Tol. (+/-)	Price Each 1	Price Each 100	Qty. per Reel	Price Each
Style 0402 C0G								
80-C0402C100J5GAL	C0402C100J5GALTU	10	50	5%	.74	.62	10000	.22
80-C0402C120J5GAL	C0402C120J5GALTU	12	50	5%	.84	.70	10000	.25
80-C0402C390J5GAL	C0402C390J5GALTU	39	50	5%	.84	.70	10000	.25
80-C0402C470J5GAL	C0402C470J5GALTU	47	50	5%	.84	.70	10000	.25
Style 0402 X7R								
80-C0402C221K5RAL	C0402C221K5RALTU	220	50	10%	.89	.74	10000	.27
80-C0402C821J8RAL	C0402C821J8RALTU	820	10	5%	1.25	1.04	10000	.37
80-C0402C222K5RAL	C0402C222K5RALTU	2200	50	10%	.89	.74	10000	.27
80-C0402C103J9RAL	C0402C103J9RALTU	10000	6.3	5%	1.18	.98	10000	.35
80-C0402C103K5RAL	C0402C103K5RALTU	10000	50	10%	.50	.42	10000	.15
80-C0402C223K8RAL	C0402C223K8RALTU	22000	10	10%	.89	.74	10000	.26
80-C0402C223K4RAL	C0402C223K4RALTU	22000	16	10%	.94	.78	10000	.28
80-C0402C333K8RAL	C0402C333K8RALTU	33000	10	10%	.89	.74	10000	.27
80-C0402C683K4RAL	C0402C683K4RALTU	68000	16	10%	.94	.78	10000	.28
80-C0402C104K4RAL	C0402C104K4RALTU	0.1uF	16	10%	.94	.78	10000	.28
Style 0603 C0G								
80-C0603C339K1GAL	C0603C339K1GALTU	3.3	100	10%	.74	.48	4000	.15
80-C0603C100J5GAL	C0603C100J5GALTU	10	50	5%	.25	.21	4000	.15
80-C0603C100K5GAL	C0603C100K5GALTU	10	50	10%	.40	.26	4000	.08
80-C0603C100K1GAL	C0603C100K1GALTU	10	100	10%	.46	.30	4000	.09
80-C0603C180J5GAL	C0603C180J5GALTU	18	50	5%	.25	.21	4000	.15
80-C0603C430J5GAL	C0603C430J5GALTU	43	50	5%	.30	.25	4000	.18
80-C0603C560J5GAL	C0603C560J5GALTU	56	50	5%	.25	.21	4000	.15
80-C0603C820K5GAL	C0603C820K5GALTU	82	50	10%	.40	.26	4000	.08
80-C0603C101J5GAL	C0603C101J5GALTU	100	50	5%	.25	.21	4000	.15
80-C0603C101K5GAL	C0603C101K5GALTU	100	50	10%	.40	.26	4000	.08
80-C0603C221J5GAL	C0603C221J5GALTU	220	50	5%	.30	.25	4000	.18
80-C0603C221K1GAL	C0603C221K1GALTU	220	100	10%	.52	.34	4000	.11
80-C0603C471K5GAL	C0603C471K5GALTU	470	50	10%	.56	.37	4000	.11
80-C0603C102J5GAL	C0603C102J5GALTU	1000	50	5%	.37	.31	4000	.22
Style 0603 X5R								
80-C0603C105K4PAL	C0603C105K4PALTU	1.0uF	16	10%	.25	.21	4000	.14
80-C0603C225K9PAL	C0603C225K9PALTU	2.2uF	6.3	10%	.48	.40	4000	.28
Style 0603 X7R								
80-C0603C221K5RAL	C0603C221K5RALTU	220	50	10%	.31	.26	4000	.18
80-C0603C471K4RAL	C0603C471K4RALTU	470	16	10%	.31	.26	4000	.18
80-C0603C102K3RAL	C0603C102K3RALTU	1000	25	10%	.31	.26	4000	.18
80-C0603C102K5RAL	C0603C102K5RALTU	1000	50	10%	.31	.26	4000	.18
80-C0603C152K5RAL	C0603C152K5RALTU	1500	50	10%	.31	.26	4000	.18
80-C0603C222K3RAL	C0603C222K3RALTU	2200	25	10%	.52	.34	4000	.11
80-C0603C332K5RAL	C0603C332K5RALTU	3300	50	10%	.31	.26	4000	.18
80-C0603C472J9RAL	C0603C472J9RALTU	4700	6.3	5%	.58	.49	4000	.38
80-C0603C682K1RAL	C0603C682K1RALTU	6800	100	10%	.60	.39	4000	.12
80-C0603C822J5RAL	C0603C822J5RALTU	8200	50	5%	.78	.51	4000	.16
80-C0603C103J8RAL	C0603C103J8RALTU	10000	10	5%	.59	.38	4000	.12
80-C0603C103K8RAL	C0603C103K8RALTU	10000	10	10%	.25	.21	4000	.15
80-C0603C103K4RAL	C0603C103K4RALTU	10000	16	10%	.25	.21	4000	.15
80-C0603C103K3RAL	C0603C103K3RALTU	10000	25	10%	.25	.21	4000	.15
80-C0603C103K5RAL	C0603C103K5RALTU	10000	50	10%	.31	.26	4000	.18
80-C0603C153K5RAL	C0603C153K5RALTU	15000	50	10%	.35	.29	4000	.20
80-C0603C223K1RAL	C0603C223K1RALTU	22000	100	10%	.60	.39	4000	.12
80-C0603C273J5RAL	C0603C273J5RALTU	27000	50	5%	.64	.42	4000	.13
80-C0603C273K1RAL	C0603C273K1RALTU	27000	100	10%	.60	.39	4000	.12
80-C0603C473K3RAL	C0603C473K3RALTU	47000	25	10%	.32	.27	4000	.19
80-C0603C473K5RAL	C0603C473K5RALTU	47000	50	10%	.32	.27	4000	.19
80-C0603C104K4RAL	C0603C104K4RALTU	0.1uF	16	10%	.36	.30	4000	.21
80-C0603C104K3RAL	C0603C104K3RALTU	0.1uF	25	10%	.36	.30	4000	.21
80-C0603C104K5RAL	C0603C104K5RALTU	0.1uF	50	10%	.43	.36	4000	.25
80-C0603C334K9RAL	C0603C334K9RALTU	0.33uF	6.3	10%	.55	.46	4000	.32
80-C0603C334K4RAL	C0603C334K4RALTU	0.33uF	16	10%	.92	.60	4000	.19
Style 0805 C0G								
80-C0805C100J5GAL	C0805C100J5GALTU	10	50	5%	.30	.20	4000	.06
80-C0805C120J5GAL	C0805C120J5GALTU	12	50	5%	.30	.20	4000	.06
80-C0805C150J5GAL	C0805C150J5GALTU	15	50	5%	.30	.20	4000	.06
80-C0805C300K5GAL	C0805C300K5GALTU	30	50	10%	.34	.22	4000	.07
80-C0805C101J1GAL	C0805C101J1GALTU	100	100	5%	.21	.17	4000	.12
80-C0805C151J5GAL	C0805C151J5GALTU	150	50	5%	.22	.14	4000	.05
80-C0805C151J1GAL	C0805C151J1GALTU	150	100	5%	.23	.19	4000	.13
80-C0805C391J5GAL	C0805C391J5GALTU	390	50	5%	.16	.15	4000	.14

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt.	Tol. (+/-)	Price Each 1	Price Each 100	Qty. per Reel	Price Each
Style 0805 C0G Cont.								
80-C0805C471J5GAL	C0805C471J5GALTU	470	50	5%	.25	.21	4000	.15
80-C0805C102K5GAL	C0805C102K5GALTU	1000	50	10%	.30	.20	4000	.06
80-C0805C102K1GAL	C0805C102K1GALTU	1000	100	10%	.32	.26	4000	.18
80-C0805C122J3GAL	C0805C122J3GALTU	1200	25	5%	.36	.24	4000	.07
80-C0805C152J5GAL	C0805C152J5GALTU	1500	50	5%	.38	.32	4000	.22
80-C0805C182K5GAL	C0805C182K5GALTU	1800	50	10%	.48	.31	4000	.10
Style 0805 X7R								
80-C0805C331K5RAL	C0805C331K5RALTU	330	50	10%	.50	.32	4000	.10
80-C0805C391J5RAL	C0805C391J5RALTU	390	50	5%	.75	.49	4000	.15
80-C0805C821K2RAL	C0805C821K2RALTU	820	200	10%	.53	.34	4000	.11
80-C0805C102J5RAL	C0805C102J5RALTU	1000	50	5%	.57	.37	4000	.12
80-C0805C102K5RAL	C0805C102K5RALTU	1000	50	10%	.23	.19	4000	.13
80-C0805C102K2RAL	C0805C102K2RALTU	1000	200	10%	.32	.26	4000	.18
80-C0805C152K5RAL	C0805C152K5RALTU	1500	50	10%	.38	.25	4000	.08
80-C0805C472K5RAL	C0805C472K5RALTU	4700	50	10%	.23	.19	4000	.13
80-C0805C103K5RAL	C0805C103K5RALTU	10000	50	10%	.23	.19	4000	.13
80-C0805C103K1RAL	C0805C103K1RALTU	10000	100	10%	.26	.22	4000	.15
80-C0805C103K2RAL	C0805C103K2RALTU	10000	200	10%	.32	.26	4000	.18
80-C0805C183K1RAL	C0805C183K1RALTU	18000	100	10%	.29	.24	4000	.17
80-C0805C223K3RAL	C0805C223K3RALTU	22000	25	10%	.42	.28	4000	.09
80-C0805C223J1RAL	C0805C223J1RALTU	22000	100	5%	.72	.47	4000	.15
80-C0805C333K1RAL	C0805C333K1RALTU	33000	100	10%	.48	.32	4000	.10
80-C0805C473K1RAL	C0805C473K1RALTU	47000	100	10%	.48	.32	4000	.10
80-C0805C473K2RAL	C0805C473K2RALTU	47000	200	10%	.53	.34	4000	.11
80-C0805C563J1RAL	C0805C563J1RALTU	56000	100	5%	.73	.47	4000	.15
80-C0805C683K5RAL	C0805C683K5RALTU	68000	50	10%	.37	.31	4000	.22
80-C0805C823K1RAL	C0805C823K1RALTU	82000	100	10%	.48	.32	2500	.10
80-C0805C104K3RAL	C0805C104K3RALTU	0.1uF	25	10%	.43	.36	4000	.25
80-C0805C104K5RAL	C0805C104K5RALTU	0.1uF	50	10%	.43	.36	4000	.25
80-C0805C104J1RAL	C0805C104J1RALTU	0.1uF	100	5%	.73	.47	4000	.15
80-C0805C104K1RAL	C0805C104K1RALTU	0.1uF	100	10%	.29	.24	4000	.17
80-C0805C124K3RAL	C0805C124K3RALTU	0.12uF	25	10%	.87	.57	4000	.18
80-C0805C224K3RAL	C0805C224K3RALTU	0.22uF	25	10%	.74	.61	4000	.43
80-C0805C224K5RAL	C0805C224K5RALTU	0.22uF	50	10%	1.23	.80	4000	.25
80-C0805C274K3RAL	C0805C274K3RALTU	0.27uF	25	10%	1.30	.84	4000	.26
80-C0805C394K3RAL	C0805C394K3RALTU	0.39uF	25	10%	1.54	1.00	2500	.31
80-C0805C474K3RAL	C0805C474K3RALTU	0.47uF	25	10%	.94	.78	4000	.55
80-C0805C105K8RAL	C0805C105K8RALTU	1uF	10	10%	.90	.75	4000	.53
80-C0805C105K4RAL	C0805C105K4RALTU	1uF	16	10%	.90	.75	4000	.53
80-C0805C105K3RAL	C0805C105K3RALTU	1uF	25	10%	1.65	1.07	4000	.33
80-C0805C155K4RAL	C0805C155K4RALTU	1.5uF	16	10%	1.80	1.17	4000	.36
80-C0805C225K9RAL	C0805C225K9RALTU	2.2uF	6.3	10%	1.43	.93	2500	.29
80-C0805C225K8RAL	C0805C225K8RALTU	2.2uF	10	10%	1.43	.93	2500	.29
80-C0805C225K4RAL	C0805C225K4RALTU	2.2uF	16	10%	1.08	.90	2500	.63
Style 1206 C0G								
80-C1206C471J5GAL	C1206C471J5GALTU	470	50	5%	.43	.28	4000	.09
80-C1206C332J5GAL	C1206C332J5GALTU	3300	50	5%	.56	.47	4000	.33
Style 1206 X5R								
80-C1206C226K9PAL	C1206C226K9PALTU	22uF	6.3	10%	1.92	1.60	2000	.96
Style 1206 X7R								
80-C1206C222K2RAL	C1206C222K2RALTU	2200	200	10%	.56	.36	4000	.11
80-C1206C562J2RAL	C1206C562J2RALTU	5600	200	5%	.84	.55	4000	.17
80-C1206C682K2RAL	C1206C682K2RALTU	6800	200	10%	.56	.36	4000	.11
80-C1206C103K2RAL	C1206C103K2RALTU	10000	200	10%	.56	.36	4000	.11
80-C1206C683K5RAL	C1206C683K5RALTU	68000	50	10%	.52	.34	4000	.10
80-C1206C104K5RAL	C1206C104K5RALTU	0.1uF	50	10%	.34	.29	4000	.20
80-C1206C104K2RAL	C1206C104K2RALTU	0.1uF	200	10%	.92	.60	2500	.15
80-C1206C224K3RAL	C1206C224K3RALTU	0.22uF	25	10%	.64	.53	4000	.37
80-C1206C224K5RAL	C1206C224K5RALTU	0.22uF	50	10%	.68	.57	4000	.40
80-C1206C564K8RAL	C1206C564K8RALTU	0.56uF	10	10%	1.40	.91	2500	.23
80-C1206C684K5RAL	C1206C684K5RALTU	0.68uF	50	10%	1.98	1.29	2500	.40
80-C1206C105J3RAL	C1206C105J3RALTU	1uF	25	5%	2.43	1.58	2500	.49
80-C1206C105K3RAL	C1206C105K3RALTU	1uF	25	10%	1.05	.88	4000	.70
80-C1206C105K5RAL	C1206C105K5RALTU	1uF	50	10%	2.00	1.30	2500	.40
80-C1206C225K3RAL	C1206C225K3RALTU	2.2uF	25	10%	1.86	1.21	2000	.30
80-C1206C106K9RAL	C1206C106K9RALTU	10uF	6.3	10%	2.66	1.73	2000	.43
80-C1206C106K8RAL	C1206C106K8RALTU	10uF	10	10%	2.40	.84	2000	.54
80-C1206C106K4RAL	C1206C106K4RALTU	10uF	16	10%	1.84	1.53	4000	1.07

KEMET High Capacitance Ceramic Chip Capacitors

RoHS Compliant **This page of product is compliant.**

KEMET HICV MLCC

Higher Capacitance, Higher Value

KEMET Electronics is the preferred capacitor supplier to the world's most demanding customers. KEMET is dedicated to meeting and exceeding the industries ever increasing High Capacitance needs through continuous enhancement & expansion of their High CV MLCC portfolio.

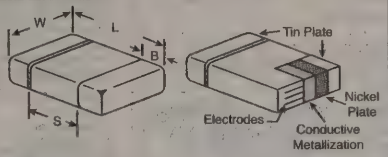
RoHS Compliant

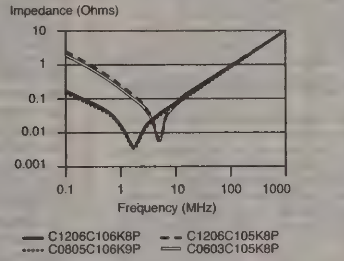
The operating temperature range of these capacitors is between -55°C and +85°C for the X5R MLCC and between -55°C and +125°C for the X7R MLCC, with zero bias capacitance shift limited to ±15% over those ranges. EIA case sizes 0402 and 1210 are suitable for reflow soldering only. All parts incorporate KEMET's standard barrier layer of pure nickel with an overplate of pure tin to provide excellent solderablility as well as resistance to leaching. EIA case sizes 0603 up to 1206 are suitable for reflow and wave soldering. All parts are environmentally friendly, in compliance with the RoHS legislation.

EIA Size Code	Metric Size Code	L (Length)	W (Width)	B (Bandwidth)	S Min. (Seperation)
* 0402	1005	1.0 (.04)	0.5 (.02)	0.20 (0.008)	0.3 (.012)
* 0603	1608	1.6 (.063)	0.8 (.032)	0.35 (.014)	0.7 (.028)
* 0805	2012	2.0 (.079)	1.25 (.049)	0.5 (.02)	0.75 (.030)
* 1206	3216	3.2 (.126)	1.6 (.063)	0.5 (.02)	N/A
* 1210	3225	3.2 (.126)	2.5 (.098)	0.5 (.02)	N/A
1812	4532	4.5 (.177)	3.2 (.126)	0.6 (.024)	N/A
2220	5650	5.6 (.220)	5.0 (.197)	0.6 (.024)	N/A

* Note: Indicates EIA Preferred Case Sizes (Tightened tolerances apply for 0402, 0603, & 0805 packaged in bulk cassette)

DIMENSIONS: mm (in.)





Standard End Metalization: 100% Tin-plate over nickel barrier.

Capacitor Engineering Kit

- 20 pieces of each value

NEW FROM SUPPLIER

MOUSER STOCK NO.	Kit Includes: Case Size	Volt (DC)	Value (µF)	Temp. Coef.	Price Each
80-CERKIT07-HIGHCV	0402	16	0.1	X7R	50.00
	0402	6.3	1	X5R	
	0603	200	0.01	X7R	
	0603	50	0.1	X7R	
	0603	16	1	X5R	
	0603	6.3	2.2, 4.7	X5R	
	0805	100	0.12	X7R	
	0805	50	0.22	X7R	
	0805	16	2.2	X7R	
	0805	10	4.7	X5R	
	0805	6.3	10	X5R	
	1206	50	0.68	X7R	
	1206	25	1	X7R	
	1206	25	4.7	X5R	
	1206	10	10	X7R	
	1206	16	10	X5R	
	1206	6.3	22	X5R	
	1210	16	22	X5R	
	1210	6.3	47	X5R	

EIA Case Size 0402

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thickness (mm)	Price Each		Reel Qty. (7")	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0402C105K9P	C0402C105K9PACTU	1.0	6.3	10%	.50±0.05	.19	.17	10000	.06
80-C0402C225M9P	C0402C225M9PACTU	2.2	6.3	20%	.50±0.05	1.25	.75	10000	.31

EIA Case Size 0603

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thickness (mm)	Price Each		Reel Qty. (7")	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0603C105K9P	C0603C105K9PACTU	1.0	6.3	10%	.80±.10	.19	.12	4000	.07
80-C0603C105K8P	C0603C105K8PACTU	1.0	10	10%	.80±.10	.19	.12	4000	.033
80-C0603C105K4P	C0603C105K4PACTU	1.0	16	10%	.80±.10	.21	.13	4000	.04
80-C0603C105K3P	C0603C105K3PACTU	1.0	2.5	10%	.80±15	.10	.06	4000	.04
80-C0603C225K8P	C0603C225K8PACTU	2.2	10	10%	.80±.10	.45	.26	4000	.16
80-C0603C475K9P	C0603C475K9PACTU	4.7	6.3	10%	.80±.10	.45	.26	4000	.16
80-C0603C106M9P	C0603C106M9PACTU	1.0	6.3	20%	.80±15	.69	.42	4000	.21
Temperature Coefficient Y5V									
80-C0603C105Z8V	C0603C105Z8VACTU	1.0	10	+80,-20	.80±.10	.12	.08	4000	.024
Temperature Coefficient X7R									
80-C0603C105K4R	C0603105K4RACTU	1.0	16	10%	.80±15	.17	.10	4000	.06

EIA Case Size 0805

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thickness (mm)	Price Each		Reel Qty. (7")	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C0805C105K4P	C0805C105K4PACTU	1.0	16	10%	1.25±0.15	.08	.05	2500	.02
80-C0805C105K3P	C0805C105K3PACTU	1.0	25	10%	1.25±0.15	.46	.23	2500	.11
80-C0805C225K9P	C0805C225K9PACTU	2.2	6.3	10%	0.9±0.1	.41	.27	2500	.07
80-C0805C225K8P	C0805C225K8PACTU	2.2	10	10%	0.9±0.1	.41	.27	2500	.066
80-C0805C225K4P	C0805C225K4PACTU	2.2	16	10%	0.9±0.1	.41	.27	2500	.07
80-C0805C475K9P	C0805C475K9PACTU	4.7	6.3	10%	1.25±0.2	.56	.33	2500	.092
80-C0805C475K8P	C0805C475K8PACTU	4.7	10	10%	1.25±0.2	.45	.29	2500	.072
80-C0805C475K4P	C0805C475K4PACTU	4.7	16	10%	1.25±0.2	.56	.33	2500	.09
80-C0805C106K9P	C0805C106K9PACTU	10	6.3	10%	1.25±0.2	.50	.30	3000	.10
80-C0805C106K8P	C0805C106K8PACTU	10	10	10%	1.25±0.2	.50	.30	2500	.10
80-C0805C226M9P	C0805C226M9PACTU	22	6.3	20%	1.25±0.2	1.40	.84	2500	.28
Temperature Coefficient Y5V									
80-C0805C225Z4V	C0805C225Z4VACTU	2.2	16	+80,-20	1.25±0.15	1.24	.62	2500	.17
80-C0805C475Z8V	C0805C475Z8VACTU	4.7	10	+80,-20	1.25±0.15	.67	.33	2500	.09
80-C0805C106Z9V	C0805C106Z9VACTU	10	6.3	+80,-20	1.25±0.2	.99	.64	3000	.158
Temperature Coefficient X7R									
80-C0805C105K9R	C0805C105K9RACTU	1.0	6.3	10%	1.25±0.15	1.00	.65	2500	.16
80-C0805C105K4R	C0805C105K4RACTU	1.0	16	10%	1.25±0.15	.09	.05	2500	.02
80-C0805C225K9R	C0805C225K9RACTU	2.2	6.3	10%	1.25±0.15	.32	.21	2500	.051
80-C0805C225K8R	C0805C225K8RACTU	2.2	10	10%	1.25±0.15	.32	.20	2500	.058
80-C0805C225K4R	C0805C225K4RACTU	2.2	16	10%	1.25±0.15	.45	.29	2500	.072

EIA Case Size 1206

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thickness (mm)	Price Each		Reel Qty. (7")	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C1206C105K3P	C1206C105K3PACTU	1.0	25	10%	1.6±0.2	1.32	.86	2000	.211
80-C1206C225K4P	C1206C225K4PACTU	2.2	16	10%	1.1±0.1	.80	.52	2500	.128
80-C1206C475K4P	C1206C475K4PACTU	4.7	16	10%	1.6±0.2	.78	.51	2000	.125
80-C1206C475K3P	C1206C475K3PACTU	4.7	25	10%	1.6±0.2	.50	.33	2000	.08
80-C1206C106K9P	C1206C106K9PACTU	10	6.3	10%	1.15±0.15	.65	.533	2000	.104
80-C1206C106K8P	C1206C106K8PACTU	10	10	10%	1.15±0.15	.65	.42	2000	.13
80-C1206C106K4P	C1206C106K4PACTU	10	16	10%	1.6±0.2	1.55	1.01	2000	.28
80-C1206C106K3P	C1206C106K3PACTU	10	25	10%	1.6±0.2	.63	.38	2000	.16
80-C1206C226K9P	C1206C226K9PACTU	22	6.3	10%	1.6±0.2	1.60	1.04	2000	.256
80-C1206C226K8P	C1206C226K8PACTU	22	10	10%	1.6±0.15	2.76	1.80	2000	.44
80-C1206C476M9P	C1206C476M9PACTU	47	6.3	20%	1.25±0.2	2.20	1.43	2000	.35

EIA Case Size 1206 (cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thickness (mm)	Price Each		Reel Qty. (7")	Price per Piece
						1	100		
Temperature Coefficient Y5V									
80-C1206C105Z3V	C1206C105Z3VACTU	1.0	25	+80,-20	0.78±0.1	.56	.36	4000	.11
80-C1206C475Z4V	C1206C475Z4VACTU	4.7	16	+80,-20	1.2±0.15	.30	.11	2500	.048
80-C1206C106Z8V	C1206C106Z8VACTU	10	10	+80,-20	1.7±0.2	.70	.47	2000	.112
80-C1206C226Z9V	C1206C226Z9VACTU	22	6.3	+80,-20	1.7±0.2	2.35	.82	2000	.38
Temperature Coefficient X7R									
80-C1206C105K3R	C1206C105K3RACTU	1.0	25	10%	1.6±0.15	.26	.21	2000	.042
80-C1206C105K5R	C1206C105K5RACTU	1.0	50	10%	1.0±0.1	.26	.21	2500	.042
80-C1206C225K3R	C1206C225K3RACTU	2.2	25	10%	1.2±0.15	.30	.18	2500	.07
80-C1206C225K5R	C1206C225K5RACTU	2.2	50	10%	1.6±0.2	.55	.33	200	.14
80-C1206C475K8R	C1206C475K8RACTU	4.7	10	10%	1.25±0.15	.60	.39	2000	.096
80-C1206C475K4R	C1206C475K4RACTU	4.7	16	10%	1.25±0.15	1.80	1.17	2500	.288
80-C1206C475K3R	C1206C475K3RACTU	4.7	25	10%	1.6±0.2	.38	.23	2000	.10
80-C1206C106K8R	C1206C106K8RACTU	10	10	10%	1.6±0.2	.62	.40	2000	.10
80-C1206C106K4R	C1206C106K4RACTU	10	16	10%	1.6±0.2	.70	.46	2000	.12

EIA Case Size 1210

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thickness (mm)	Price Each		Reel Qty. (7")	Price per Piece
						1	100		
Temperature Coefficient X5R									
80-C1210C105K5P	C1210C105K5PACTU	1.0	50	10%	1.55±0.15	1.80	1.17	2000	.29
80-C1210C475K4P	C1210C475K4PACTU	4.7	16	10%	2.1±0.2	1.65	1.07	2000	.264
80-C1210C475K3P	C1210C475K3PACTU	4.7	25	10%	2.1±0.2	1.65	1.17	2000	.264
80-C1210C106K3P	C1210C106K3PACTU	10	25	10%	2.1±0.2	2.88	1.52	2000	.012
80-C1210C106K4P	C1210C106K4PACTU	10	16	10%	2.1±0.2	1.40	.91	2000	.224
80-C1210C106K9P	C1210C106K9PACTU	10	6.3	10%	2.1±0.2	3.30	2.15	2000	.66
80-C1210C226K4P	C1210C226K4PACTU	22	16	10%	1.85±0.2	2.40	1.56	2000	.48
80-C1210C476M9P	C1210C476M9PACTU	47	6.3	20%	1.7±0.2	1.80	1.20	2000	.66
80-C1210C107M9P	C1210C107M9PACTU	100	6.3	20%	2.1±0.2	3.90	2.60	1000	1.63
Temperature Coefficient Y5V									
80-C1210C105Z5V	C1210C105Z5VACTU	1.0	50	+80,-20	1.55±0.15	.61	.40	2000	.12
80-C1210C106Z4V	C1210C106Z4VACTU	10	16	+80,-20	1.55±0.15	.79	.44	2000	.13
80-C1210C226Z8V	C1210C226Z8VACTU	22	10	+80,-20	1.55±0.15	1.80	1.00	2000	.29
Temperature Coefficient X7R									
80-C1210C105K5R	C1210C105K5RACTU	1.0	50	10%	1.55±0.15	.63	.47	2000	.10
80-C1210C225K4R	C1210C225K4RACTU	2.2	16	10%	1.85±0.2	1.50	.98	2000	.30
80-C1210C225K3R	C1210C225K3RACTU	2.2	25	10%	1.85±0.2	1.50	.62	2000	.24
80-C1210C225K5R	C1210C225K5RACTU	2.2	50	10%	1.25±0.15	.95	.57	2500	.24
80-C1210C335K5R	C1210C335K5RACTU	3.3	50	10%	1.70±0.2	1.15	.69	2000	.29
80-C1210C475K9R	C1210C475K9RACTU	4.7	6.3	10%	.90±0.1	2.00	1.20	2000	.50
80-C1210C475K8R	C1210C475K8RACTU	4.7	10	10%	.90±0.1	2.00	1.20	2000	.50
80-C1210C475K4R	C1210C475K4RACTU	4.7	16	10%	.90±0.1	2.30	1.38	2000	.58
80-C1210C475K3R	C1210C475K3RACTU	4.7	25	10%	1.25±0.15	1.00	.60	2500	.25
80-C1210C106K9R	C1210C106K9RACTU	10	6.3	10%	1.55±0.15	2.20	1.32	2000	.50
80-C1210C106K8R	C1210C106K8RACTU	10	10	10%	1.55±0.15	2.20	1.32	2000	.50
80-C1210C106K4R	C1210C106K4RACTU	10	16	10%	1.55±0.15	1.25	.75	2000	.31

EIA Case Size 1812

Please call a Mouser representative for information of product not listed.

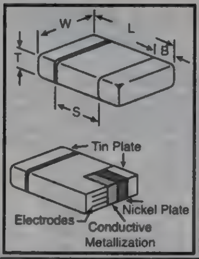
MOUSER STOCK NO.	KEMET Part No.	Value (µF)	Volt (DC)	Tol.±	Thickness (mm)	Price Each		Reel Qty. (7")	Price per Piece
						1	100		
Temperature Coefficient X7R									
80-C1812C105K5R	C1812C105K5RACTU	1.0	50	10%	1.30±0.1	1.20	.80	1000	.60
80-C1812C105K1R	C1812C105K1RACTU	1.0	100	10%	1.55±0.15	1.90	1.24	1000	.38

EIA Case Size 2220

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	KEMET Part No.	Value (pF)	Volt (DC)	Tol.±	Thickness (mm)	Price Each		Reel Qty. (7")	Price per Piece
						1	100		
Temperature Coefficient X7R									
80-C2220C225K5R	C2220C225K5RACTU	2.2	50	10%	1.5±0.15	5.55	3.70	1000	2.78

KEMET SMD Ceramic Capacitors



RoHS Compliant

DIMENSIONS: mm (in.)						
Metric Code	Style	L	W	T	B	S
2012	0805	2.0 (.079)	1.2 (.049)	1.3 (.051)	0.5 (.02)	0.75 (.030)
3216	1206	3.2 (.126)	1.6 (.063)	1.5 (.059)	0.5 (.02)	N/A
3225	1210	3.2 (.126)	2.5 (.098)	1.5 (.059)	0.5 (.02)	N/A
4520	1808	4.5 (.177)	2.0 (.079)	2.03 (.08)	0.6 (.024)	N/A
4532	1812	4.5 (.177)	3.2 (.126)	1.7 (.067)	0.6 (.024)	N/A
4564	1825	4.5 (.177)	6.4 (.250)	1.7 (.067)	0.6 (.024)	N/A
5664	2225	5.6 (.224)	6.4 (.250)	1.7 (.067)	0.6 (.024)	N/A

KEMET TIP AND RING SMD CERAMIC CHIP CAPACITORS

KEMET's 250 VDC or Tip & Ring MLCC capacitors are designed and rated for telecommunication ringer circuits where the capacitor is used to block -48 to -52 Volt DC of line voltage and pass a 16-25 Hz AC signal pulse of 70 Vrms to 90 Vrms. The surface mount ceramic capacitors are excellent replacements for high voltage leaded film devices. The smaller SMT footprints save valuable board space which is critical when creating new designs, and the capacitors are able to withstand today's higher lead-free reflow processing temperatures. The ceramic MLCC have excellent high frequency filtering characteristics, low ESR, and high temperature reflow capabilities. KEMET Tip and Ring capacitors are available in standard EIA case sizes and standard capacitance values from 0.001ÌF to 1.2ÌF. The capacitors have pure tin (100% Matte Sn) plated terminations and are 100% lead free which is ideal for new environmentally demanding designs.

Applications:

- Telecommunication Ringing Circuits
- Switch Mode Power Supply Snubber Circuits
- High Voltage DC Blocking
- High Voltage Coupling

Markets:

- Phone Lines
- Analog and Digital Modems
- FAX Machines
- Wireless Base Stations, Ethernet
- Digital Video Recording Set-Top Boxes
- Satellite Dish
- Cable Set-Top Boxes
- High Voltage Power Supply, DC/DC Converters
- Ethernet, POS, ATM Hardware

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Tol.±	1	100	500	7 In. Reel Qty.	Price Per Piece
Style 0805-Temperature Coef: C0G								
80-C0805C102KAR	C0805C102KARACTU	1000	10%	.08	.07	.06	4000	.044
80-C0805C222KAR	C0805C222KARACTU	2200	10%	.10	.09	.08	4000	.058
80-C0805C272KAR	C0805C272KARACTU	2700	10%	.27	.24	.21	4000	.16
80-C0805C332KAR	C0805C332KARACTU	3300	10%	.27	.24	.21	4000	.16
80-C0805C472KAR	C0805C472KARACTU	4700	10%	.10	.09	.08	4000	.058
80-C0805C562KAR	C0805C562KARACTU	5600	10%	.27	.24	.21	4000	.16
80-C0805C682KAR	C0805C682KARACTU	6800	10%	.27	.24	.21	4000	.16
80-C0805C822KAR	C0805C822KARACTU	8200	10%	.27	.24	.21	4000	.16
80-C0805C103KAR	C0805C103KARACTU	0.01μF	10%	.08	.07	.06	4000	.044
80-C0805C223KAR	C0805C223KARACTU	0.022μF	10%	.13	.12	.10	4000	.08
80-C1206C562KAR	C1206C562KARACTU	5600	10%	.32	.29	.26	4000	.19
80-C1206C682KAR	C1206C682KARACTU	6800	10%	.32	.29	.26	4000	.19
80-C1206C822KAR	C1206C822KARACTU	8200	10%	.32	.29	.26	4000	.19
80-C1206C103KAR	C1206C103KARACTU	0.01μF	10%	.18	.16	.14	4000	.102
80-C1206C123KAR	C1206C123KARACTU	0.012μF	10%	.36	.33	.29	4000	.21
80-C1206C153KAR	C1206C153KARACTU	0.015μF	10%	.36	.33	.29	4000	.21
80-C1206C183KAR	C1206C183KARACTU	0.018μF	10%	.36	.33	.29	4000	.21
80-C1206C223KAR	C1206C223KARACTU	0.022μF	10%	.23	.21	.18	4000	.131
80-C1206C273KAR	C1206C273KARACTU	0.027μF	10%	.37	.34	.30	4000	.22
80-C1206C333KAR	C1206C333KARACTU	0.033μF	10%	.37	.34	.30	4000	.22
80-C1206C473KAR	C1206C473KARACTU	0.047μF	10%	.23	.21	.18	2500	.14
80-C1206C563KAR	C1206C563KARACTU	0.056μF	10%	.39	.35	.31	2500	.24
80-C1206C683KAR	C1206C683KARACTU	0.068μF	10%	.39	.36	.32	2500	.25
80-C1206C823KAR	C1206C823KARACTU	0.082μF	10%	.40	.36	.32	2500	.25
80-C1206C104KAR	C1206C104KARACTU	0.1μF	10%	.18	.16	.14	4000	.102
80-C1210C682KAR	C1210C682KARACTU	6800	10%	.67	.60	.53	4000	.39
80-C1210C822KAR	C1210C822KARACTU	8200	10%	.67	.60	.53	4000	.39
80-C1210C103KAR	C1210C103KARACTU	0.01μF	10%	.33	.30	.26	4000	.19
80-C1210C123KAR	C1210C123KARACTU	0.012μF	10%	.67	.60	.53	4000	.39
80-C1210C153KAR	C1210C153KARACTU	0.015μF	10%	.67	.60	.53	4000	.39
80-C1210C183KAR	C1210C183KARACTU	0.018μF	10%	.67	.60	.53	4000	.39
80-C1210C223KAR	C1210C223KARACTU	0.022μF	10%	.67	.60	.53	4000	.39
80-C1210C273KAR	C1210C273KARACTU	0.027μF	10%	.67	.60	.53	4000	.39
80-C1210C333KAR	C1210C333KARACTU	0.033μF	10%	.67	.60	.53	4000	.39
80-C1210C393KAR	C1210C393KARACTU	0.039μF	10%	.69	.62	.55	4000	.40
80-C1210C473KAR	C1210C473KARACTU	0.047μF	10%	.71	.64	.57	4000	.41
80-C1210C683KAR	C1210C683KARACTU	0.068μF	10%	.74	.67	.59	4000	.43
80-C1210C823KAR	C1210C823KARACTU	0.082μF	10%	.76	.69	.61	2500	.47
80-C1210C104KAR	C1210C104KARACTU	0.1μF	10%	.33	.30	.26	2500	.21
80-C1812C104JAR	C1812C104JARACTU	0.1μF	5%	1.10	.99	.88	1000	.72
80-C1812C104KAR	C1812C104KARACTU	0.1μF	10%	.85	.77	.68	1000	.56
80-C1812C124KAR	C1812C124KARACTU	0.12μF	10%	1.27	1.14	1.02	1000	.83
80-C1812C224JAR	C1812C224JARACTU	0.22μF	5%	1.25	1.13	1.00	1000	.82
80-C1812C274KAR	C1812C274KARACTU	0.27μF	10%	1.33	1.20	1.07	1000	.87
80-C1812C334JAR	C1812C334JARACTU	0.33μF	5%	1.25	1.13	1.00	1000	.82
80-C1812C334KAR	C1812C334KARACTU	0.33μF	10%	.95	.86	.76	1000	.62
80-C1812C474KAR	C1812C474KARACTU	0.47μF	10%	.95	.86	.76	1000	.62
80-C1825C474KAR	C1825C474KARACTU	0.47μF	10%	2.00	1.80	1.60	1000	1.30
80-C1825C564KAR	C1825C564KARACTU	0.56μF	10%	2.75	2.48	2.20	1000	1.79
80-C1825C684KAR	C1825C684KARACTU	0.68μF	10%	2.00	1.80	1.60	1000	1.30
80-C1825C105KAR	C1825C105KARACTU	1.0μF	10%	2.00	1.80	1.60	1000	1.30
80-C2220C474KAR	C2220C474KARACTU	0.47μF	10%	2.25	2.03	1.80	1000	1.47
80-C2220C564KAR	C2220C564KARACTU	0.56μF	10%	2.75	2.48	2.20	1000	1.79
80-C2220C684KAR	C2220C684KARACTU	0.68μF	10%	2.25	2.03	1.80	1000	1.47
80-C2220C105KAR	C2220C105KARACTU	1.0μF	10%	2.25	2.03	1.80	1000	1.47
80-C2225C474KAR	C2225C474KARACTU	0.47μF	10%	2.50	2.25	2.00	1000	1.63
80-C2225C564KAR	C2225C564KARACTU	0.56μF	10%	3.30	2.97	2.64	1000	2.15
80-C2225C684KAR	C2225C684KARACTU	0.68μF	10%	2.50	2.25	2.00	1000	1.63
80-C2225C105KAR	C2225C105KARACTU	1.0μF	10%	2.50	2.25	2.00	1000	1.63
80-C2225C125KAR	C2225C125KARACTU	1.2μF	10%	2.75	2.48	2.20	1000	1.79

KEMET SMD HIGH VOLTAGE CERAMIC CAPACITORS

KEMET's High Voltage Surface Mount Capacitors are designed to withstand high voltage applications. They offer high capacitance with low leakage current and low ESR at high frequency. The capacitors have pure tin (Sn) plated external electrodes for good solderability. X7R dielectrics are not designed for AC line filtering applications. An insulating coating may be required to prevent surface arcing. These components are RoHS compliant.

Applications:

- Switch mode power supply
- Input filter
- Resonators
- Tank circuit
- Snubber circuit
- Output filter
- High voltage coupling
- High voltage DC blocking
- Lighting ballast
- Voltage multiplier circuits
- Coupling capacitors/CUK

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	1	100	7 In. Reel Qty.	Price Per Piece
Style 0805-Temperature Coef: C0G								
80-C0805C100JCG	C0805C100JCGACTU	10	500	5%	.22	.18	2500	.13
80-C0805C100JDG	C0805C100JDGACTU	10	1000	5%	.24	.19	2500	.14
80-C0805C220JCG	C0805C220JCGACTU	22	500	5%	.23	.18	2500	.17
80-C0805C220JDG	C0805C220JDGACTU	22	1000	5%	.24	.19	2500	.14
80-C0805C101KCG	C0805C101KCGACTU	100	500	10%	.21	.17	2500	.13
80-C0805C101JCG	C0805C101JCGACTU	100	500	5%	.23	.18	2500	.14
Style 0805-Temperature Coef: X7R								
80-C0805C271KDR	C0805C271KDRACTU	270	1000	10%	.24	.19	2500	.14
80-C0805C471KDR	C0805C471KDRACTU	470	1000	10%	.24	.19	2500	.14
80-C0805C681KDR	C0805C681KDRACTU	680	1000	10%	.24	.19	2500	.14
80-C0805C102KCR	C0805C102KCRACTU	1000	500	10%	.24	.19	2500	.14
Style 1206-Temperature Coef: C0G								
80-C1206C220KCG	C1206C220KCGACTU	22	500	10%	.62	.49	2000	.37
80-C1206C330KCG	C1206C330KCGACTU	33	500	10%	.62	.50	2000	.37
80-C1206C330KDG	C1206C330KDGACTU	33	1000	10%	.66	.53	2000	.39
80-C1206C101KCG	C1206C101KCGACTU	100	500	10%	.63	.50	2000	.38
80-C1206C101JCG	C1206C101JCGACTU	100	500	5%	.68	.55	2000	.41
80-C1206C101KDG	C1206C101KDGACTU	100	1000	10%	.67	.53	2000	.40
80-C1206C101KGG	C1206C101KGGACTU	100	2000	10%	.75	.60	2000	.45
80-C1206C102JCG	C1206C102JCGACTU	1000	500	5%	.70	.56	2000	.42
Style 1206-Temperature Coef: X7R								
80-C1206C102KCR	C1206C102KCRACTU	1000	500	10%	.20	.16	2000	.12
80-C1206C102KDR	C1206C102KDRACTU	1000	1000	10%	.23	.18	2000	.12
80-C1206C103KCR	C1206C103KCRACTU	0.01μF	500	10%	.38	.30	2000	.23
Style 1210-Temperature Coef: C0G								
80-C1210C681KCG	C1210C681KCGACTU	680	500	10%	1.33	1.06	2000	.80
80-C1210C681KDG	C1210C681KDGACTU	680	1000	10%	1.41	1.13	2000	.84
80-C1210C102KCG	C1210C102KCGACTU	1000	500	10%	1.33	1.07	2000	.80
80-C1210C102KDG	C1210C102KDGACTU	1000	1000	10%	1.41	1.13	2000	.85
Style 1210-Temperature Coef: X7R								
80-C1210C101KGR	C1210C101KGRACTU	100	2000	10%	.60	.48	2000	.36
80-C1210C221KFR	C1210C221KFRACTU	220	1500	10%	.60	.48	2000	.36
80-C1210C681KGR	C1210C681KGRACTU	680	2000	10%	.60	.48	2000	.36
80-C1210C473KCR	C1210C473KCRACTU	0.047μF	500	10%	1.07	.86	2000	.64
Style 1808-Temperature Coef: X7R								
80-C1808C101KHR	C1808C101KHRACTU	100	3000	10%	.85	.60	2000	.51
80-C1808C102KGR	C1808C102KGRACTU	1000	2000	10%	.93	.74	2000	.56
80-C1808C103KDR	C1808C103KDRACTU	0.01μF	1000	10%	.85	.68	2000	.51
Style 1812-Temperature Coef: C0G								
80-C1812C102KDG	C1812C102KDGACTU	1000	1000	10%	.83	.66	1000	.33
Style 1812-Temperature Coef: X7R								
80-C1812C102KDR	C1812C102KDRACTU	1000	1000	10%	.70	.50	1000	.28
80-C1812C102KGR	C1812C102KGRACTU	1000	2000	10%	.83	.66	1000	.26
80-C1812C102KHR	C1812C102KHRACTU	1000	3000	10%	.98	.78	1000	.39
80-C1812C222JDR	C1812C222JDRACTU	2200	1000	5%	1.69	1.35	1000	.68
80-C1812C472KDR	C1812C472KDRACTU	4700	1000	10%	.73	.58	1000	.29
80-C1812C103KCR	C1812C103KCRACTU	0.01μF	500	10%	.68	.54	1000	.27
80-C1812C103KDR	C1812C103KDRACTU	0.01μF	1000	10%	.75	.60	1000	.30
80-C1812C473KCR	C1812C473KCRACTU	.047μF	500	10%	.75	.60	1000	.30
Style 1825-Temperature Coef: X7R								
80-C1825C102KZR	C1825C102KZRACTU	1000	2500	10%	3.85	3.08	1000	1.54
80-C1825C102KHR	C1825C102KHRACTU	1000	3000	10%	4.08	3.26	1000	1.63
80-C1825C103KCR	C1825C103KCRACTU	.01μF	500	10%	3.10	2.48	1000	1.32
80-C1825C103KDR	C1825C103KDRACTU	.01μF	1000	10%	3.29	2.63	1000	1.32
80-C1825C104KCR	C1825C104KCRACTU	0.1μF	500	10%	3.16	2.58	1000	1.26
Style 2225-Temperature Coef: X7R								
80-C2225C103KGR	C2225C103KGRACTU	.01μF	2000	10%	6.68	5.35	1000	2.67
80-C2225C104KCR	C2225C104KCRACTU	0.1μF	500	10%	3.75	3.00	1000	1.50
80-C2225C224KCR	C2225C224KCRACTU	0.22μF	500	10%	3.75	3.00	1000	1.50

HIGH VOLTAGE CERAMIC CAPACITOR ENGINEERING KIT

MOUSER STOCK NO.	Type	Case size	Volt	Value (pF)	Temp. Coef.	Price Each
80-CCKIT08-HV	Leaded	N/A	2000	1000	X7R	50.00
(20 pcs each value)	Leaded	N/A	3000	1000	X7R	
	Leaded	N/A	1000	1000	C0G	
	Leaded	N/A	3000	100	C0G	
	Leaded	N/A	500	47000	X7R	
	Leaded	N/A	1000	10000	X7R	
	Leaded	N/A	1500	1000	X7R	
	Leaded	N/A	500	100	C0G	
	Leaded	N/A	1000	470	C0G	
	SMT	0805	500	100	C0G	
	SMT	1206	500	4700, 10000	X7R	
	SMT	1206	1500	470	X7R	
	SMT	1206	500	330	C0G	
	SMT	1210	1000	10000	X7R	
	SMT	1808	2000	1000	X7R	
	SMT	1812	500	1000, 47000	X7R	
	SMT	1812	2000	1000	X7R	
	SMT	2225	500	100000	X7R	

KEMET Multilayer Ceramic Chip Capacitors

KEMET multilayer ceramic chip capacitors are produced in plants designed specifically for chip capacitors manufacture. The process features a high degree of mechanization as well as precise controls over raw materials and process conditions. Manufacturing is supplemented by extensive Technology, Engineering and Quality Assurance programs.

Features:

- C0G (NP0), X5R, X7R, Z5U, and Y5V Dielectrics
- 10, 16, 25, 50, 100 and 200 Volts
- Termination: Tin-plate over nickel barrier
- Available capacitance tolerances: ±0.10 pF; ±0.25 pF; ±0.5pF; ±1%; ±2%; ±10%; ±20%; and ±80%-20%

Application Note:

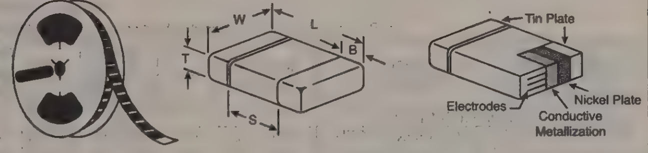
- A higher voltage capacitor may be used in a lower voltage application

RoHS Compliant

Temperature Characteristics:

- COG 0± 30ppm/°C from -55°C to +125°C
- XR7 ± 15% from -55°C to +125°C

DIMENSIONS: mm (in.)



Style	L	W	T	B	S
0201	0.6 (.02)±0.03 (.001)	0.3 (.012)±0.03 (.001)	0.3 (.012)	.15 (.006)±.05 (.002)	—
0402	1.0 (.04)±0.05 (.002)	0.5 (.02)±0.05 (.002)	0.55 (.022)	.20(.008)-0.40(.016)	0.3 (.012)

CASE SIZE 0201

For quantities of 50,000 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0201C100D3G	C0201C100D3GACTU	10	25	.5%	.05	.03	15000	.011
80-C0201C120J3G	C0201C120J3GACTU	12	25	5%	.05	.03	15000	.011
80-C0201C150J3G	C0201C150J3GACTU	15	25	5%	.05	.03	15000	.011
80-C0201C180J3G	C0201C180J3GACTU	18	25	5%	.05	.03	15000	.011
80-C0201C220J3G	C0201C220J3GACTU	22	25	5%	.05	.03	15000	.011
80-C0201C270J3G	C0201C270J3GACTU	27	25	5%	.05	.03	15000	.011
80-C0201C330J3G	C0201C330J3GACTU	33	25	5%	.05	.03	15000	.011
80-C0201C390J3G	C0201C390J3GACTU	39	25	5%	.05	.03	15000	.011
80-C0201C470J3G	C0201C470J3GACTU	47	25	5%	.05	.03	15000	.011
80-C0201C560J3G	C0201C560J3GACTU	56	25	5%	.05	.03	15000	.011
80-C0201C680J3G	C0201C680J3GACTU	68	25	5%	.05	.03	15000	.011
80-C0201C820J3G	C0201C820J3GACTU	82	25	5%	.05	.03	15000	.011
80-C0201C101J3G	C0201C101J3GACTU	100	25	5%	.04	.20	15000	.01
Temperature Coefficient: X5R								
80-C0201C103K4P	C0201C103K4PACTU	.01μF	16	10%	.04	.03	15000	.016
80-C0201C104K9P	C0201C104K9PACTU	.10μF	6.3	10%	.07	.04	15000	.014

CASE SIZE 0402

For quantities of 50,000 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.± %	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0402C508C5G	C0402C508C5GACTU	0.5	50	.25pF	.35	.23	10,000	.071
80-C0402C109C5G	C0402C109C5GACTU	1	50	.25pF	.06	.04	10,000	.011
80-C0402C129C5G	C0402C129C5GACTU	1.2	50	.25pF	.06	.04	10,000	.011
80-C0402C159C5G	C0402C159C5GACTU	1.5	50	.25pF	.06	.04	10,000	.011
80-C0402C189C5G	C0402C189C5GACTU	1.8	50	.25pF	.06	.04	10,000	.011
80-C0402C209C5G	C0402C209C5GACTU	2	50	.25pF	.37	.24	10,000	.074
80-C0402C229C5G	C0402C229C5GACTU	2.2	50	.25pF	.06	.04	10,000	.011
80-C0402C279C5G	C0402C279C5GACTU	2.7	50	.25pF	.06	.05	10,000	.04
80-C0402C309C5G	C0402C309C5GACTU	3	50	.25pF	.37	.24	10,000	.074
80-C0402C339C5G	C0402C339C5GACTU	3.3	50	.25pF	.06	.04	10,000	.011
80-C0402C369C5G	C0402C369C5GACTU	3.6	50	.25pF	.37	.24	10,000	.074
80-C0402C399C5G	C0402C399C5GACTU	3.9	50	.25pF	.06	.04	10,000	.011
80-C0402C479C3G	C0402C479C3GACTU	4.7	25	.25pF	.31	.19	10,000	.062
80-C0402C479D5G	C0402C479D5GACTU	4.7	50	.5pF	.31	.20	10,000	.062
80-C0402C479C5G	C0402C479C5GACTU	4.7	50	.25pF	.06	.04	10,000	.011
80-C0402C519C5G	C0402C519C5GACTU	5.1	50	.25pF	.41	.27	10,000	.082
80-C0402C569C5G	C0402C569C5GACTU	5.6	50	.25pF	.06	.04	10,000	.011
80-C0402C569D5G	C0402C569D5GACTU	5.6	50	.5pF	.31	.20	10,000	.062
80-C0402C689D5G	C0402C689D5GACTU	6.8	50	.5pF	.31	.20	10,000	.062
80-C0402C689C5G	C0402C689C5GACTU	6.8	50	.25pF	.06	.04	10,000	.012
80-C0402C829C5G	C0402C829C5GACTU	8.2	50	.25pF	.07	.05	10,000	.014
80-C0402C829D5G	C0402C829D5GACTU	8.2	50	.5pF	.31	.20	10,000	.062
80-C0402C919D5G	C0402C919D5GACTU	9.1	50	.5pF	.37	.24	10,000	.074
80-C0402C100C5G	C0402C100C5GACTU	10	50	.25pF	.66	.43	10,000	.13
80-C0402C100D5G	C0402C100D5GACTU	10	50	.5pF	.31	.20	10,000	.062
80-C0402C100J5G	C0402C100J5GACTU	10	50	5%	.03	.014	10,000	.004
80-C0402C110J5G	C0402C110J5GACTU	11	50	5%	.42	.27	10,000	.084
80-C0402C120C5G	C0402C120C5GACTU	12	50	.25pF	.79	.51	10,000	.158
80-C0402C120J5G	C0402C120J5GACTU	12	50	5%	.05	.04	10,000	.01
80-C0402C150C5G	C0402C150C5GACTU	15	50	.25pF	1.41	.92	10,000	.282
80-C0402C150J5G	C0402C150J5GACTU	15	50	5%	.04	.024	10,000	.008
80-C0402C180J5G	C0402C180J5GACTU	18	50	5%	.04	.024	10,000	.008
80-C0402C200J5G	C0402C200J5GACTU	20	50	5%	.42	.27	10,000	.084
80-C0402C220J3G	C0402C220J3GACTU	22	25	5%	.35	.23	10,000	.07
80-C0402C220C5G	C0402C220C5GACTU	22	50	.25pF	1.88	1.22	10,000	.376
80-C0402C220J5G	C0402C220J5GACTU	22	50	5%	.04	.024	10,000	.008
80-C0402C240J5G	C0402C240J5GACTU	24	50	5%	.42	.27	10,000	.084
80-C0402C270J5G	C0402C270J5GACTU	27	50	5%	.05	.04	10,000	.01
80-C0402C330J3G	C0402C330J3GACTU	33	25	5%	.35	.23	10,000	.07
80-C0402C330J5G	C0402C330J5GACTU	33	50	5%	.05	.04	10,000	.01
80-C0402C360J5G	C0402C360J5GACTU	36	50	5%	.42	.27	10,000	.084
80-C0402C390J5G	C0402C390J5GACTU	39	50	5%	.05	.04	10,000	.01
80-C0402C470J3G	C0402C470J3GACTU	47	25	5%	.35	.23	10,000	.07
80-C0402C470D5G	C0402C470D5GACTU	47	50	.5pF	2.01	1.31	10,000	.402
80-C0402C470J5G	C0402C470J5GACTU	47	50	5%	.05	.04	10,000	.01
80-C0402C560J5G	C0402C560J5GACTU	56	50	5%	.05	.04	10,000	.01
80-C0402C680J5G	C0402C680J5GACTU	68	50	5%	.05	.04	10,000	.01
80-C0402C750J5G	C0402C750J5GACTU	75	50	5%	.42	.27	10,000	.084
80-C0402C820G3G	C0402C820G3GACTU	82	25	2%	1.23	.80	10,000	.246
80-C0402C820J3G	C0402C820J3GACTU	82	25	5%	.35	.23	10,000	.07

CASE SIZE 0402 (CONT.)

For quantities of 50,000 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G Cont.								
80-C0402C820J5G	C0402C820J5GACTU	82	50	5%	.02	.012	10,000	.01
80-C0402C910J5G	C0402C910J5GACTU	91	50	5%	.42	.20	10,000	.076
80-C0402C101K3G	C0402C101K3GACTU	100	25	10%	.34	.22	10,000	.068
80-C0402C101J5G	C0402C101J5GACTU	100	50	5%	.03	.014	10,000	.004
Temperature Coefficient: X7R								
80-C0402C123K8R	C0402C123K8RACTU	.012μF	10	10%	.37	.24	10,000	.074
80-C0402C123K4R	C0402C123K4RACTU	.012μF	16	10%	.39	.25	10,000	.078
80-C0402C153K8R	C0402C153K8RACTU	.015μF	10	10%	.37	.24	10,000	.074
80-C0402C153K4R	C0402C153K4RACTU	.015μF	16	10%	.39	.25	10,000	.078
80-C0402C183K8R	C0402C183K8RACTU	.018μF	10	10%	.37	.24	10,000	.074
80-C0402C183K4R	C0402C183K4RACTU	.018μF	16	10%	.39	.25	10,000	.078
80-C0402C223K8R	C0402C223K8RACTU	.022μF	10	10%	.37	.24	10,000	.074
80-C0402C223K4R	C0402C223K4RACTU	.022μF	16	10%	.39	.25	10,000	.078
80-C0402C273K9R	C0402C273K9RACTU	.027μF	6.3	10%	.37	.24	10,000	.074
80-C0402C273K8R	C0402C273K8RACTU	.027μF	10	10%	.37	.24	10,000	.074
80-C0402C273K4R	C0402C273K4RACTU	.027μF	16	10%	.39	.25	10,000	.078
80-C0402C333K8R	C0402C333K8RACTU	.033μF	10	10%	.37	.24	10,000	.074
80-C0402C333K4R	C0402C333K4RACTU	.033μF	16	10%	.39	.25	10,000	.078
80-C0402C393K8R	C0402C393K8RACTU	.039μF	10	10%	.37	.24	10,000	.074
80-C0402C393K4R	C0402C393K4RACTU	.039μF	16	10%	.39	.25	10,000	.078
80-C0402C473K8R	C0402C473K8RACTU	.047μF	10	10%	.37	.24	10,000	.074
80-C0402C473K4R	C0402C473K4RACTU	.047μF	16	10%	.39	.25	10,000	.078
80-C0402C563K8R	C0402C563K8RACTU	.056μF	10	10%	.37	.24	10,000	.074
80-C0402C563K4R	C0402C563K4RACTU	.056μF	16	10%	.39	.25	10,000	.078
80-C0402C683K8R	C0402C683K8RACTU	.068μF	10	10%	.37	.24	10,000	.074
80-C0402C683K4R	C0402C683K4RACTU	.068μF	16	10%	.39	.25	10,000	.078
80-C0402C823K8R	C0402C823K8RACTU	.082μF	10	10%	.37	.24	10,000	.074
80-C0402C823K4R	C0402C823K4RACTU	.082μF	16	10%	.39	.25	10,000	.078
80-C0402C104K8R	C0402C104K8RACTU	0.1μF	10	10%	.03	.015	10,000	.005
80-C0402C104K4R	C0402C104K4RACTU	0.1μF	16	10%	.03	.015	10,000	.005
80-C0402C151J5R	C0402C151J5RACTU	150	50	5%	.52	.34	10,000	.104
80-C0402C151K5R	C0402C151K5RACTU	150	50	10%	.37	.24	10,000	.074
80-C0402C151J3R	C0402C151J3RACTU	150	25	5%	.52	.34	10,000	.104
80-C0402C181K5R	C0402C181K5RACTU	180	50	10%	.37	.24	10,000	.074
80-C0402C221J5R	C0402C221J5RACTU	220	50	5%	.52	.35	10,000	.104
80-C0402C221K5R	C0402C221K5RACTU	220	50	10%	.37	.24	10,000	.074
80-C0402C271J5R	C0402C271J5RACTU	270	50	5%	.52	.34	10,000	.104
80-C0402C271K5R	C0402C271K5RACTU	270	50	10%	.37	.24	10,000	.074
80-C0402C331J5R	C0402C331J5RACTU	330	50	5%	.52	.34	10,000	.104
80-C0402C331K5R	C0402C331K5RACTU	330	50	10%	.37	.24	10,000	.074
80-C0402C391J5R	C0402C391J5RACTU	390	50	5%	.52	.34	10,000	.104
80-C0402C391K5R	C0402C391K5RACTU	390	50	10%	.37	.24	10,000	.074
80-C0402C471K3R	C0402C471K3RACTU	470	25	10%	.37	.20	10,000	.074
80-C0402C471J5R	C0402C471J5RACTU	470	50	5%	.52	.34	10,000	.104
80-C0402C471K5R	C0402C471K5RACTU	470	50	10%	.37	.25	10,000	.074
80-C0402C561J5R	C0402C561J5RACTU	560	50	5%	.52	.34	10,000	.104
80-C0402C561K5R	C0402C561K5RACTU	560	50	10%	.07	.05	10,000	.013
80-C0402C681J5R	C0402C681J5RACTU	680	50	5%	.52	.34	10,000	.104
80-C0402C681K5R	C0402C681K5RACTU	680	50	10%	.07	.05	10,000	.013
80-C0402C821K5R	C0402C821K5RACTU	820	50	10%	.07	.05	10,000	.013
80-C0402C102J5R	C0402C102J5RACTU	1000	50	5%	.49	.32	10,000	.098
80-C0402C102K5R	C0402C102K5RACTU	1000	50	10%	.03	.011	10,000	.004
80-C0402C102K3R	C0402C102K3RACTU	1000	25	10%	.35	.23	10,000	.07
80-C0402C122K5R	C0402C122K5RACTU	1200	50	10%	.07	.04	10,000	.013
80-C0402C152J5R	C0402C152J5RACTU	1500	50	5%	.52	.34	10,000	.104
80-C0402C152K5R	C0402C152K5RACTU	1500	50	10%	.37	.25	10,000	.074
80-C0402C182K5R	C0402C182K5RACTU	1800	50	10%	.37	.24	10,000	.074
80-C0402C222K3R	C0402C222K3RACTU	2200	25	10%	.06	.04	10,000	.011
80-C0402C222K5R	C0402C222K5RACTU	2200	50	10%	.37	.24	10,000	.074
80-C0402C272J3R	C0402C272J3RACTU	2700	25	5%	.52	.34	10,000	.104
80-C0402C272K5R	C0402C272K5RACTU	2700	50	10%	.37	.20	10,000	.074
80-C0402C332K3R	C0402C332K3RACTU	3300	25	10%	.05	.04	10,000	.01
80-C0402C332K5R	C0402C332K5RACTU	3300	50	10%	.37	.15	10,000	.074
80-C0402C392J3R	C0402C392J3RACTU	3900	25	5%	.52	.34	10,000	.104
80-C0402C392K3R	C0402C392K3RACTU	3900	25	10%	.05	.04	10,000	.01
80-C0402C392K5R	C0402C392K5RACTU	3900	50	10%	.37	.20	10,000	.074
80-C0402C472J3R	C0402C472J3RACTU	4700	25	5%	.52	.34	10,000	.104
80-C0402C472K3R	C0402C472K3RACTU	4700	25	10%	.05	.04	10,000	.01
80-C0402C472K5R	C0402C472K5RACTU	4700	50	10%	.37	.20	10,000	.074
80-C0402C562J4R	C0402C562J4RACTU	5600	16	5%	.52	.34	10,000	.104
80-C0402C562K4R	C0402C562K4RACTU	5600	16	10%	.37	.24	10,000	.074
80-C0402C562K5R	C0402C562K5RACTU	5600	50	10%	.22	.14	10,000	.044
80-C0402C682J3R	C0402C682J3RACTU	6800	25	5%	.52	.34	10,000	.104

KEMET Multilayer Ceramic Chip Capacitors

The Capacitance Company
KEMET
CHARGED.

CASE SIZE 0402 (CONT.)

RoHS Compliant

Please call a Mouser representative for information of product not listed.

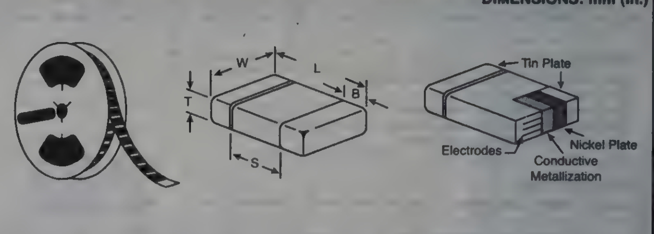
MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X7R (cont.)								
80-C0402C682K3R	C0402C682K3RACTU	6800	25	10%	.22	.14	10,000	.044
80-C0402C682K5R	C0402C682K5RACTU	6800	50	10%	.22	.10	10,000	.044
80-C0402C822K4R	C0402C822K4RACTU	8200	16	10%	.37	.24	10,000	.074
80-C0402C822K3R	C0402C822K3RACTU	8200	25	10%	.22	.14	10,000	.044
80-C0402C822K5R	C0402C822K5RACTU	8200	50	10%	.22	.14	10,000	.044
80-C0402C103J4R	C0402C103J4RACTU	.01μF	16	5%	.49	.32	10,000	.098
80-C0402C103K4R	C0402C103K4RACTU	.01μF	16	10%	.03	.011	10,000	.004
80-C0402C103J3R	C0402C103J3RACTU	.01μF	25	5%	.49	.32	10,000	.098
80-C0402C103K3R	C0402C103K3RACTU	.01μF	25	10%	.03	.011	10,000	.004
80-C0402C103J5R	C0402C103J5RACTU	.01μF	50	5%	.49	.32	10,000	.098
80-C0402C103K5R	C0402C103K5RACTU	.01μF	50	10%	.21	.14	10,000	.042
80-C0402C103M5R	C0402C103M5RACTU	.01μF	50	20%	.20	.13	10,000	.041
80-C0402C123K9P	C0402C123K9PACTU	.012μF	6.3	10%	.21	.14	10,000	.042
80-C0402C123K8P	C0402C123K8PACTU	.012μF	10	10%	.21	.14	10,000	.042
Temperature Coefficient: X5R								
80-C0402C153K9P	C0402C153K9PACTU	.015μF	6.3	10%	.21	.14	10,000	.042
80-C0402C153K8P	C0402C153K8PACTU	.015μF	10	10%	.21	.14	10,000	.042
80-C0402C183K9P	C0402C183K9PACTU	.018μF	6.3	10%	.21	.14	10,000	.042
80-C0402C183K8P	C0402C183K8PACTU	.018μF	10	10%	.21	.14	10,000	.042
80-C0402C223K8P	C0402C223K8PACTU	.022μF	10	10%	.22	.14	10,000	.044
80-C0402C333K9P	C0402C333K9PACTU	.033μF	6.3	10%	.23	.15	10,000	.046
80-C0402C333K8P	C0402C333K8PACTU	.033μF	10	10%	.23	.15	10,000	.046
80-C0402C473K8P	C0402C473K8PACTU	.047μF	10	10%	.24	.16	10,000	.048
80-C0402C104K9P	C0402C104K9PACTU	.1μF	6.3	10%	.26	.17	10,000	.052
80-C0402C104K8P	C0402C104K8PACTU	.1μF	10	10%	.03	.014	10,000	.005
80-C0402C104M8P	C0402C104M8PACTU	.1μF	10	20%	.06	.039	10,000	.012
Temperature Coefficient: Y5V								
80-C0402C104Z4V	C0402C104Z4VACTU	.1μF	16	+80, -20	.04	.025	10,000	.009
80-C0402C104M4V	C0402C104M4VACTU	.1μF	16	20%	.05	.03	10,000	.009

CASE SIZE 0603

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0603C508C5G	C0603C508C5GACTU	0.50	50	.25pF	.44	.29	4,000	.089
80-C0603C758C5G	C0603C758C5GACTU	0.75	50	.25pF	.44	.29	4,000	.089
80-C0603C109C5G	C0603C109C5GACTU	1.0	50	.25pF	.37	.24	4,000	.074
80-C0603C109C1G	C0603C109C1GACTU	1.0	100	.25pF	.43	.28	4,000	.086
80-C0603C129C5G	C0603C129C5GACTU	1.2	50	.25pF	.37	.24	4,000	.074
80-C0603C159C5G	C0603C159C5GACTU	1.5	50	.25pF	.37	.24	4,000	.074
80-C0603C189C5G	C0603C189C5GACTU	1.8	50	.25pF	.37	.24	4,000	.074
80-C0603C189C1G	C0603C189C1GACTU	1.8	100	.25pF	.43	.28	4,000	.086
80-C0603C209C5G	C0603C209C5GACTU	2.0	50	.25pF	.44	.29	4,000	.089
80-C0603C229C5G	C0603C229C5GACTU	2.2	50	.25pF	.37	.24	4,000	.074
80-C0603C249C5G	C0603C249C5GACTU	2.4	50	.25pF	.44	.29	4,000	.089
80-C0603C279D5G	C0603C279D5GACTU	2.7	50	.5pF	.21	.14	4,000	.042
80-C0603C279C5G	C0603C279C5GACTU	2.7	50	.25pF	.37	.24	4,000	.074
80-C0603C279C1G	C0603C279C1GACTU	2.7	100	.25pF	.43	.28	4,000	.086
80-C0603C309C5G	C0603C309C5GACTU	3.0	50	.25pF	.44	.29	4,000	.089
80-C0603C339C5G	C0603C339C5GACTU	3.3	50	.25pF	.37	.24	4,000	.074
80-C0603C399C5G	C0603C399C5GACTU	3.9	50	.25pF	.37	.24	4,000	.074
80-C0603C439C5G	C0603C439C5GACTU	4.3	50	.25pF	.44	.29	4,000	.089
80-C0603C479D5G	C0603C479D5GACTU	4.7	50	.5pF	.21	.14	4,000	.042
80-C0603C479C5G	C0603C479C5GACTU	4.7	50	.25pF	.37	.24	4,000	.074
80-C0603C509C5G	C0603C509C5GACTU	5.0	50	.25pF	1.29	.84	4,000	.258
80-C0603C519C5G	C0603C519C5GACTU	5.1	50	.25pF	.53	.34	4,000	.106
80-C0603C569C5G	C0603C569C5GACTU	5.6	50	.25pF	.44	.29	4,000	.088
80-C0603C569K5G	C0603C569K5GACTU	5.6	50	10%	.20	.13	4,000	.04
80-C0603C689C5G	C0603C689C5GACTU	6.8	50	.25pF	.47	.31	4,000	.094
80-C0603C689J5G	C0603C689J5GACTU	6.8	50	5%	.33	.21	4,000	.066
80-C0603C759C5G	C0603C759C5GACTU	7.5	50	.25pF	.64	.41	4,000	.127
80-C0603C829D5G	C0603C829D5GACTU	8.2	50	.5pF	.21	.14	4,000	.042
80-C0603C829C5G	C0603C829C5GACTU	8.2	50	.25pF	.53	.34	4,000	.106
80-C0603C100C5G	C0603C100C5GACTU	10	50	.25pF	.63	.41	4,000	.126
80-C0603C100D5G	C0603C100D5GACTU	10	50	.5pF	.21	.14	4,000	.042
80-C0603C100J5G	C0603C100J5GACTU	10	50	5%	.03	.016	4,000	.005
80-C0603C100K5G	C0603C100K5GACTU	10	50	10%	.20	.13	4,000	.04
80-C0603C100J1G	C0603C100J1GACTU	10	100	5%	.24	.16	4,000	.048
80-C0603C120C5G	C0603C120C5GACTU	12	50	.25pF	.74	.48	4,000	.148
80-C0603C120J5G	C0603C120J5GACTU	12	50	5%	.21	.14	4,000	.042
80-C0603C120J1G	C0603C120J1GACTU	12	100	5%	.24	.16	4,000	.048
80-C0603C130J5G	C0603C130J5GACTU	13	50	5%	.25	.16	4,000	.05
80-C0603C150G5G	C0603C150G5GACTU	15	50	2%	.74	.48	4,000	.148
80-C0603C150J5G	C0603C150J5GACTU	15	50	5%	.07	.05	4,000	.013
80-C0603C160J5G	C0603C160J5GACTU	16	50	5%	.25	.16	4,000	.05
80-C0603C180C5G	C0603C180C5GACTU	18	50	.25pF	1.26	.82	4,000	.252
80-C0603C180J5G	C0603C180J5GACTU	18	50	5%	.04	.021	4,000	.008
80-C0603C180K5G	C0603C180K5GACTU	18	50	10%	.20	.13	4,000	.04
80-C0603C180J1G	C0603C180J1GACTU	18	100	5%	.24	.16	4,000	.048
80-C0603C200J5G	C0603C200J5GACTU	20	50	5%	.25	.16	4,000	.05
80-C0603C200K5G	C0603C200K5GACTU	20	50	10%	.24	.16	4,000	.048

DIMENSIONS: mm (in.)



Style	L	W	T	B	S
0402	1.0(.04)±0.05(.002)	0.5(.02)±0.05(.002)	0.55 (.022)	.20(.008)-0.40(.016)	0.3 (.012)
0603	1.6(.063)±0.15(.006)	0.8(.032)±0.15(.006)	0.9 (.035)	.35(.014)±0.15(.006)	0.7 (.028)

CASE SIZE 0603 (CONT.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G (cont.)								
80-C0603C200J1G	C0603C200J1GACTU	20	100	5%	.29	.19	4,000	.058
80-C0603C220G5G	C0603C220G5GACTU	22	50	2%	.74	.48	4,000	.148
80-C0603C220J5G	C0603C220J5GACTU	22	50	5%	.04	.021	4,000	.008
80-C0603C220K5G	C0603C220K5GACTU	22	50	10%	.20	.13	4,000	.04
80-C0603C220J1G	C0603C220J1GACTU	22	100	5%	.24	.16	4,000	.048
80-C0603C270G5G	C0603C270G5GACTU	27	50	2%	.74	.48	4,000	.148
80-C0603C270J5G	C0603C270J5GACTU	27	50	5%	.05	.033	4,000	.011
80-C0603C270K5G	C0603C270K5GACTU	27	50	10%	.20	.13	4,000	.04
80-C0603C270J1G	C0603C270J1GACTU	27	100	5%	.24	.16	4,000	.048
80-C0603C300J5G	C0603C300J5GACTU	30	50	5%	.25	.16	4,000	.05
80-C0603C330G5G	C0603C330G5GACTU	33	50	2%	.74	.48	4,000	.148
80-C0603C330J5G	C0603C330J5GACTU	33	50	5%	.21	.099	4,000	.042
80-C0603C330K5G	C0603C330K5GACTU	33	50	10%	.20	.13	4,000	.04
80-C0603C330J1G	C0603C330J1GACTU	33	100	5%	.24	.16	4,000	.048
80-C0603C360J5G	C0603C360J5GACTU	36	50	5%	.25	.16	4,000	.05
80-C0603C390G5G	C0603C390G5GACTU	39	50	2%	.74	.48	4,000	.148
80-C0603C390J5G	C0603C390J5GACTU	39	50	5%	.21	.14	4,000	.042
80-C0603C390J1G	C0603C390J1GACTU	39	100	5%	.24	.16	4,000	.048
80-C0603C430G5G	C0603C430G5GACTU	43	50	2%	.89	.58	4,000	.178
80-C0603C470J5G	C0603C470J5GACTU	47	50	5%	.04	.02	4,000	.008
80-C0603C470K5G	C0603C470K5GACTU	47	50	5%	.20	.13	4,000	.04
80-C0603C470D5G	C0603C470D5GACTU	47	50	.5pF	1.47	.96	4,000	.294
80-C0603C470K1G	C0603C470K1GACTU	47	100	10%	.23	.15	4,000	.046
80-C0603C560G5G	C0603C560G5GACTU	56	50	2%	.74	.48	4,000	.148
80-C0603C560J5G	C0603C560J5GACTU	56	50	5%	.21	.14	4,000	.042
80-C0603C620J5G	C0603C620J5GACTU	62	50	5%	.25	.16	4,000	.05
80-C0603C680G5G	C0603C680G5GACTU	68	50	2%	.74	.48	4,000	.148
80-C0603C680J5G	C0603C680J5GACTU	68	50	5%	.07	.05	4,000	.014
80-C0603C680J1G	C0603C680J1GACTU	68	100	5%	.24	.16	4,000	.048
80-C0603C750J5G	C0603C750J5GACTU	75	50	5%	.25	.16	4,000	.05
80-C0603C820G5G	C0603C820G5GACTU	82	50	2%	.74	.48	4,000	.148
80-C0603C820J5G	C0603C820J5GACTU	82	50	5%	.21	.099	4,000	.042
80-C0603C820K5G	C0603C820K5GACTU	82	50	10%	.20	.13	4,000	.04
80-C0603C910J5G	C0603C910J5GACTU	91	50	5%	.25	.16	4,000	.05
80-C0603C101J5G	C0603C101J5GACTU	100	50	5%	.03	.015	4,000	.005
80-C0603C101K5G	C0603C101K5GACTU	100	50	10%	.04	.03	4,000	.008
80-C0603C101J1G	C0603C101J1GACTU	100	100	5%	.24	.16	4,000	.048
80-C0603C101K1G	C0603C101K1GACTU	100	100	10%	.23	.15	4,000	.046
80-C0603C121G5G	C0603C121G5GACTU	120	50	2%	.81	.53	4,000	.162
80-C0603C121J5G	C0603C121J5GACTU	120	50	5%	.23	.103	4,000	.046
80-C0603C151G5G	C0603C151G5GACTU	150	50	2%	.81	.53	4,000	.162
80-C0603C151J5G	C0603C151J5GACTU	150	50	5%	.10	.058	4,000	.02
80-C0603C151J1G	C0603C151J1GACTU	150	100	5%	.26	.17	4,000	.052
80-C0603C181J5G	C0603C181J5GACTU	180	50	5%	.04	.02	4,000	.008
80-C0603C181J1G	C0603C181J1GACTU	180	100	5%	.26	.17	4,000	.052
80-C0603C201J5G	C0603C201J5GACTU	200	50	5%	.30	.20	4,000	.06
80-C0603C221G5G	C0603C221G5GACTU	220	50	2%	.88	.57	4,000	.176
80-C0603C221J5G	C0603C221J5GACTU	220	50	5%	.04	.028	4,000	.01
80-C0603C221K5G	C0603C221K5GACTU	220	50	10%	.24	.16	4,000	.048
80-C0603C241J5G	C0603C241J5GACTU	240	50	5%	.30	.20	4,000	.06
80-C0603C271J5G	C0603C271J5GACTU	270	50	5%	.06	.04	4,000	.012
80-C0603C271K5G	C0603C271K5GACTU	270	50	10%	.24	.16	4,000	.048
80-C0603C301J5G	C0603C301J5GACTU	300	50	5%	.32	.21	4,000	.065
80-C0603C331J5G	C0603C331J5GACTU	330	50	5%	.27	.18	4,000	.054
80-C0603C331K5G	C0603C331K5GACTU	330	50	10%	.26	.17	4,000	.052
80-C0603C391J5G	C0603C391J5GACTU	390	50	5%	.27	.18	4,000	.054
80-C0603C471J5G	C0603C471J5GACTU	470	50	5%	.08	.06	4,000	.015
80-C0603C471K5G	C0603C471K5GACTU	470	50	10%	.28	.18	4,000	.056
80-C0603C561J5G	C0603C561J5GACTU	560	50	5%	.29	.19	4,000	.058
80-C0603C561K5G	C0603C561K5GACTU	560	50	10%	.28	.18	4,000	.056
80-C0603C561G5G	C0603C561G5GACTU	560	50	2%	1.02	.66	4,000	.204
80-C0603C621J5G	C0603C621J5GACTU	620	50	5%	.35	.23	4,000	.07
80-C0603C681J3G	C0603C681J3GACTU	680	25	5%	.29	.19	4,000	.058
80-C0603C681J5G	C0603C681J5GACTU	680	50	5%	.29	.19	4,000	.058
80-C0603C681K5G	C0603C681K5GACTU	680	50	10%	.28	.18	4,000	.056
80-C0603C681G5G	C0603C681G5GACTU	680	50	2%	1.02	.66	4,000	.204
80-C0603C751J5G	C0603C751J5GACTU	750	50	5%	.36	.23	4,000	.072
80-C0603C751K5G	C0603C751K5GACTU	750	50	10%	.35	.23	4,000	.07
80-C0603C821J5G	C0603C821J5GACTU	820	50	5%	.30	.20	4,000	.06

KEMET Ceramic Chip Capacitors

The Capacitance Company
KEMET
CHARGED.

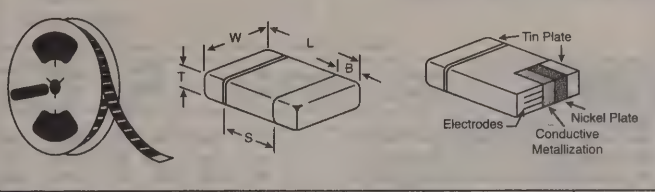
CASE SIZE 0603 (CONT.)

RoHS Compliant

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7 Inch Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G (cont.)								
80-C0603C821K5G	C0603C821K5GACTU	820	50	10%	**.29**	**.19**	4,000	**.058**
80-C0603C821M5G	C0603C821M5GACTU	820	50	20%	**.28**	**.18**	4,000	**.056**
80-C0603C911J5G	C0603C911J5GACTU	910	50	5%	**.37**	**.24**	4,000	**.074**
80-C0603C911K5G	C0603C911K5GACTU	910	50	10%	**.35**	**.23**	4,000	**.07**
80-C0603C102J3G	C0603C102J3GACTU	1000	25	5%	**.31**	**.20**	4,000	**.062**
80-C0603C102K3G	C0603C102K3GACTU	1000	25	10%	**.29**	**.19**	4,000	**.058**
80-C0603C102J5G	C0603C102J5GACTU	1000	50	5%	**.31**	**.20**	4,000	**.062**
80-C0603C102K5G	C0603C102K5GACTU	1000	50	10%	**.29**	**.19**	4,000	**.058**
Temperature Coefficient: X7R								
80-C0603C221K5R	C0603C221K5RACTU	220	50	10%	**.06**	**.06**	4,000	**.012**
80-C0603C221M5R	C0603C221M5RACTU	220	50	20%	**.25**	**.16**	4,000	**.05**
80-C0603C271K5R	C0603C271K5RACTU	270	50	10%	**.26**	**.17**	4,000	**.052**
80-C0603C331K5R	C0603C331K5RACTU	330	50	10%	**.26**	**.17**	4,000	**.052**
80-C0603C391K5R	C0603C391K5RACTU	390	50	10%	**.26**	**.17**	4,000	**.052**
80-C0603C471K5R	C0603C471K5RACTU	470	50	10%	**.04**	**.03**	4,000	**.007**
80-C0603C471K1R	C0603C471K1RACTU	470	100	10%	**.30**	**.20**	4,000	**.06**
80-C0603C561J5G	C0603C561J5RACTU	560	50	5%	**.29**	**.19**	4,000	**.058**
80-C0603C561K5R	C0603C561K5RACTU	560	50	10%	**.26**	**.17**	4,000	**.052**
80-C0603C681J5R	C0603C681J5RACTU	680	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C681K5R	C0603C681K5RACTU	680	50	10%	**.26**	**.116**	4,000	**.01**
80-C0603C821J5R	C0603C821J5RACTU	820	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C821K5R	C0603C821K5RACTU	820	50	10%	**.04**	**.027**	4,000	**.01**
80-C0603C102J4R	C0603C102J4RACTU	1000	16	5%	**.39**	**.25**	4,000	**.078**
80-C0603C102K4R	C0603C102K4RACTU	1000	16	10%	**.26**	**.17**	4,000	**.052**
80-C0603C102J3R	C0603C102J3RACTU	1000	25	5%	**.39**	**.25**	4,000	**.078**
80-C0603C102K3R	C0603C102K3RACTU	1000	25	10%	**.26**	**.17**	4,000	**.052**
80-C0603C102J5R	C0603C102J5RACTU	1000	50	5%	**.04**	**.02**	4,000	**.008**
80-C0603C102K5R	C0603C102K5RACTU	1000	50	10%	**.03**	**.013**	4,000	**.005**
80-C0603C102M5R	C0603C102M5RACTU	1000	50	20%	**.24**	**.16**	4,000	**.048**
80-C0603C102J1R	C0603C102J1RACTU	1000	100	5%	**.45**	**.29**	4,000	**.09**
80-C0603C102K1R	C0603C102K1RACTU	1000	100	10%	**.15**	**.08**	4,000	**.031**
80-C0603C122K5R	C0603C122K5RACTU	1200	50	10%	**.26**	**.17**	4,000	**.052**
80-C0603C152J5R	C0603C152J5RACTU	1500	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C152K5R	C0603C152K5RACTU	1500	50	10%	**.06**	**.04**	4,000	**.012**
80-C0603C152K1R	C0603C152K1RACTU	1500	100	10%	**.30**	**.20**	4,000	**.06**
80-C0603C182J5R	C0603C182J5RACTU	1800	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C182K5R	C0603C182K5RACTU	1800	50	10%	**.26**	**.17**	4,000	**.052**
80-C0603C222J5R	C0603C222J5RACTU	2200	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C222K5R	C0603C222K5RACTU	2200	50	10%	**.03**	**.016**	4,000	**.007**
80-C0603C222K1R	C0603C222K1RACTU	2200	100	10%	**.30**	**.20**	4,000	**.06**
80-C0603C272J5R	C0603C272J5RACTU	2700	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C272K5R	C0603C272K5RACTU	2700	50	10%	**.07**	**.05**	4,000	**.014**
80-C0603C332J5R	C0603C332J5RACTU	3300	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C332K5R	C0603C332K5RACTU	3300	50	10%	**.07**	**.05**	4,000	**.009**
80-C0603C332K1R	C0603C332K1RACTU	3300	100	10%	**.30**	**.20**	4,000	**.06**
80-C0603C392J5R	C0603C392J5RACTU	3900	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C392K5R	C0603C392K5RACTU	3900	50	10%	**.26**	**.17**	4,000	**.052**
80-C0603C472K4R	C0603C472K4RACTU	4700	16	10%	**.21**	**.14**	4,000	**.042**
80-C0603C472J5R	C0603C472J5RACTU	4700	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C472K5R	C0603C472K5RACTU	4700	50	10%	**.03**	**.016**	4,000	**.006**
80-C0603C472K1R	C0603C472K1RACTU	4700	100	10%	**.30**	**.20**	4,000	**.06**
80-C0603C562J5R	C0603C562J5RACTU	5600	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C562K5R	C0603C562K5RACTU	5600	50	10%	**.08**	**.06**	4,000	**.015**
80-C0603C562K1R	C0603C562K1RACTU	5600	100	10%	**.30**	**.20**	4,000	**.06**
80-C0603C682J5R	C0603C682J5RACTU	6800	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C682K5R	C0603C682K5RACTU	6800	50	10%	**.04**	**.025**	4,000	**.008**
80-C0603C682K1R	C0603C682K1RACTU	6800	100	10%	**.30**	**.20**	4,000	**.06**
80-C0603C822J5R	C0603C822J5RACTU	8200	50	5%	**.39**	**.25**	4,000	**.078**
80-C0603C822K1R	C0603C822K1RACTU	8200	100	10%	**.30**	**.20**	4,000	**.06**
80-C0603C153K3R	C0603C153K3RACTU	.015μF	25	10%	**.21**	**.14**	4,000	**.042**
80-C0603C153K5R	C0603C153K5RACTU	.015μF	50	10%	**.09**	**.06**	4,000	**.018**
80-C0603C183K5R	C0603C183K5RACTU	.018μF	50	10%	**.29**	**.19**	4,000	**.058**
80-C0603C103K8R	C0603C103K8RACTU	.01μF	10	10%	**.21**	**.14**	4,000	**.042**
80-C0603C103J4R	C0603C103J4RACTU	.01μF	16	5%	**.29**	**.19**	4,000	**.059**
80-C0603C103K4R	C0603C103K4RACTU	.01μF	16	10%	**.21**	**.14**	4,000	**.042**
80-C0603C103J3R	C0603C103J3RACTU	.01μF	25	5%	**.29**	**.19**	4,000	**.059**
80-C0603C103K3R	C0603C103K3RACTU	.01μF	25	10%	**.21**	**.14**	4,000	**.042**
80-C0603C103J5R	C0603C103J5RACTU	.01μF	50	5%	**.04**	**.019**	4,000	**.008**
80-C0603C103K5R	C0603C103K5RACTU	.01μF	50	10%	**.03**	**.013**	4,000	**.005**
80-C0603C103M5R	C0603C103M5RACTU	.01μF	50	20%	**.04**	**.03**	4,000	**.007**
80-C0603C103J1R	C0603C103J1RACTU	.01μF	100	5%	**.45**	**.29**	4,000	**.09**
80-C0603C103K1R	C0603C103K1RACTU	.01μF	100	10%	**.30**	**.12**	4,000	**.054**
80-C0603C223K4R	C0603C223K4RACTU	.022μF	16	10%	**.21**	**.14**	4,000	**.042**
80-C0603C223J3R	C0603C223J3RACTU	.022μF	25	5%	**.29**	**.19**	4,000	**.059**
80-C0603C223K3R	C0603C223K3RACTU	.022μF	25	10%	**.21**	**.14**	4,000	**.042**
80-C0603C223J5R	C0603C223J5RACTU	.022μF	50	5%	**.43**	**.28**	4,000	**.086**
80-C0603C223K5R	C0603C223K5RACTU	.022μF	50	10%	**.08**	**.06**	4,000	**.011**
80-C0603C273K3R	C0603C273K3RACTU	.027μF	25	10%	**.23**	**.15**	4,000	**.046**
80-C0603C333K4R	C0603C333K4RACTU	.033μF	16	10%	**.25**	**.16**	4,000	**.05**
80-C0603C333J3R	C0603C333J3RACTU	.033μF	25	5%	**.35**	**.23**	4,000	**.07**
80-C0603C333K3R	C0603C333K3RACTU	.033μF	25	10%	**.25**	**.08**	4,000	**.05**
80-C0603C393K3R	C0603C393K3RACTU	.039μF	25	10%	**.26**	**.17**	4,000	**.052**

DIMENSIONS: mm (in.)



Style	L	W	T	B	S
0603	1.6(.063)±0.15(.006)	0.8(.032)±0.15(.006)	0.9 (.035)	.35(.014)±0.15(.006)	0.7 (.028)
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75 (.030)

CASE SIZE 0603 (CONT.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7 Inch Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X7R (cont.)								
80-C0603C473K4R	C0603C473K4RACTU	.047μF	16	10%	**.08**	**.08**	4,000	**.016**
80-C0603C473K3R	C0603C473K3RACTU	.047μF	25	10%	**.08**	**.041**	4,000	**.016**
80-C0603C563J4R	C0603C563J4RACTU	.056μF	16	5%	**.45**	**.29**	4,000	**.09**
80-C0603C563K3R	C0603C563K3RACTU	.056μF	25	10%	**.19**	**.12**	4,000	**.038**
80-C0603C683J4R	C0603C683J4RACTU	.068μF	16	5%	**.46**	**.30**	4,000	**.092**
80-C0603C683K4R	C0603C683K4RACTU	.068μF	16	10%	**.33**	**.21**	4,000	**.066**
80-C0603C683K3R	C0603C683K3RACTU	.068μF	25	10%	**.20**	**.13**	4,000	**.04**
80-C0603C104K8R	C0603C104K8RACTU	.1μF	10	10%	**.02**	**.013**	4,000	**.005**
80-C0603C104J4R	C0603C104J4RACTU	.1μF	16	5%	**.07**	**.048**	4,000	**.014**
80-C0603C104K4R	C0603C104K4RACTU	.1μF	16	10%	**.03**	**.013**	4,000	**.005**
80-C0603C104M4R	C0603C104M4RACTU	.1μF	16	20%	**.02**	**.013**	4,000	**.005**
80-C0603C104J3R	C0603C104J3RACTU	.1μF	25	5%	**.42**	**.27**	4,000	**.076**
80-C0603C104K3R	C0603C104K3RACTU	.1μF	25	10%	**.09**	**.034**	4,000	**.018**
80-C0603C104M3R	C0603C104M3RACTU	.1μF	25	20%	**.29**	**.121**	4,000	**.053**
80-C0603C154K4R	C0603C154K4RACTU	.15μF	16	10%	**.29**	**.19**	4,000	**.057**
80-C0603C224K4R	C0603C224K4RACTU	.22μF	16	10%	**.42**	**.27**	4,000	**.084**
80-C0603C274K9R	C0603C274K9RACTU	0.27μF	6.3	10%	**.44**	**.29**	4000	**.088**
80-C0603C274K8R	C0603C274K8RACTU	0.27μF	10	10%	**.44**	**.29**	4000	**.088**
80-C0603C274K4R	C0603C274K4RACTU	0.27μF	16	10%	**.44**	**.29**	4000	**.088**
80-C0603C334K9R	C0603C334K9RACTU	0.33μF	6.3	10%	**.46**	**.30**	4000	**.092**
80-C0603C334K8R	C0603C334K8RACTU	0.33μF	10	10%	**.46**	**.29**	4000	**.092**
80-C0603C334K4R	C0603C334K4RACTU	0.33μF	16	10%	**.46**	**.29**	4000	**.08**
80-C0603C394K9R	C0603C394K9RACTU	0.39μF	6.3	10%	**.48**	**.29**	4000	**.096**
80-C0603C394K8R	C0603C394K8RACTU	0.39μF	10	10%	**.48**	**.29**	4000	**.096**
80-C0603C394K4R	C0603C394K4RACTU	0.39μF	16	10%	**.48**	**.29**	4000	**.096**
80-C0603C474K9R	C0603C474K9RACTU	0.47μF	6.3	10%	**.50**	**.33**	4000	**.10**
80-C0603C474K8R	C0603C474K8RACTU	0.47μF	10	10%	**.50**	**.33**	4000	**.10**
80-C0603C474K4R	C0603C474K4RACTU	0.47μF	16	10%	**.50**	**.33**	4000	**.10**
Temperature Coefficient: X5R								
80-C0603C274K8P	C0603C274K8PACTU	.27μF	10	10%	**.27**	**.097**	4,000	**.042**
80-C0603C334K8P	C0603C334K8PACTU	.33μF	10	10%	**.24**	**.15**	4,000	**.042**
80-C0603C394K8P	C0603C394K8PACTU	.39μF	10	10%	**.24**	**.15**	4,000	**.047**
80-C0603C474K8P	C0603C474K8PACTU	.47μF	10	10%	**.24**	**.097**	4,000	**.021**
80-C0603C564K8P	C0603C564K8PACTU	.56μF	10	10%	**.24**	**.15**	4,000	**.047**
80-C0603C684K8P	C0603C684K8PACTU	.68μF	10	10%	**.24**	**.15**	4,000	**.042**
80-C0603C824K8P	C0603C824K8PACTU	.82μF	10	10%	**.24**	**.15**	4,000	**.047**
80-C0603C105K8P	C0603C105K8PACTU	1.0μF	10	10%	**.19**	**.12**	4,000	**.033**
80-C0603C225K9P	C0603C225K9PACTU	2.2μF	6.3	10%	**.40**	**.26**	4,000	**.08**
80-C0603C225M9P	C0603C225M9PACTU	2.2μF	6.3	20%	**.40**	**.25**	4,000	**.079**
Temperature Coefficient: Y5V								
80-C0603C473M3V	C0603C473M3VACTU	.047μF	25	20%	**.22**	**.14**	4,000	**.044**
80-C0603C104Z4V	C0603C104Z4VACTU	.1μF	16	+80, -20	**.04**	**.03**	4,000	**.006**
80-C0603C104M3V	C0603C104M3VACTU	.1μF	25	20%	**.05**	**.04**	4,000	**.01**
80-C0603C104Z3V	C0603C104Z3VACTU	.1μF	25	+80, -20	**.04**	**.04**	4,000	**.005**
80-C0603C154Z4V	C0603C154Z4VACTU	.15μF	16	+80, -20	**.26**	**.17**	4,000	**.051**
80-C0603C154Z3V	C0603C154Z3VACTU	.15μF	25	+80, -20	**.26**	**.17**	4,000	**.053**
80-C0603C224M4V	C0603C224M4VACTU	.22μF	16	20%	**.10**	**.09**	4,000	**.019**
80-C0603C224Z4V	C0603C224Z4VACTU	.22μF	16	+80, -20	**.10**	**.09**	4,000	**.019**
80-C0603C224M3V	C0603C224M3VACTU	.22μF	25	20%	**.29**	**.19**	4,000	**.057**
80-C0603C334Z4V	C0603C334Z4VACTU	.33μF	16	+80, -20	**.27**	**.18**	4,000	**.054**
80-C0603C334Z3V	C0603C334Z3VACTU	.33μF	25	+80, -20	**.31**	**.128**	4,000	**.062**
80-C0603C474Z9V	C0603C474Z9VACTU	.47μF	6.3	+80, -20	**.27**	**.17**	4,000	**.053**
80-C0603C684Z9V	C0603C684Z9VACTU	.68μF	6.3	+80, -20	**.36**	**.23**	4,000	**.072**
80-C0603C684Z8V	C0603C684Z8VACTU	.68μF	10	+80, -20	**.36**	**.23**	4,000	**.072**
80-C0603C474Z8V	C0603C474Z8VACTU	0.47μF	10	+80, -20	**.27**	**.17**	4,000	**.053**
80-C0603C105Z9V	C0603C105Z9VACTU	1.0μF	6.3	+80, -20	**.12**	**.08**	4,000	**.024**
80-C0603C105Z8V	C0603C105Z8VACTU	1.0μF	10	+80, -20	**.12**	**.08**	4,000	**.024**

CASE SIZE 0805

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7 Inch Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0805C109C5G	C0805C109C5GACTU	1.0	50	.25pF	**.35**	**.23**	4,000	**.07**
80-C0805C109C1G	C0805C109C1GACTU	1.0	100	.25pF	**.40**	**.26**	4,000	**.08**
80-C0805C109D1G	C0805C109D1GACTU	1.0	100	.5pF	**.23**	**.15**	4,000	**.046**
80-C0805C159C5G	C0805C159C5GACTU	1.5	50	.25pF	**.35**	**.23**	4,000	**.07**
80-C0805C159C1G	C0805C159C1GACTU	1.5	100	.25pF	**.40**	**.26**	4,000	**.08**

KEMET Ceramic Chip Capacitors

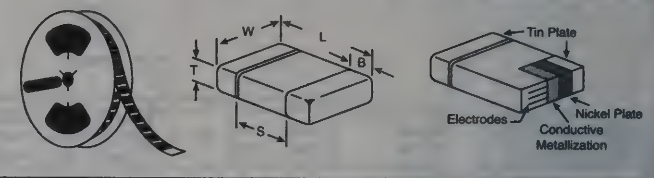
CASE SIZE 0805 (CONT.)

RoHS Compliant

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G								
80-C0805C169C1G	C0805C169C1GACTU	1.6	100	.25pF	.48	.31	4,000	.096
80-C0805C189C5G	C0805C189C5GACTU	1.8	50	.25pF	.35	.23	4,000	.07
80-C0805C209C5G	C0805C209C5GACTU	2.0	50	.25pF	.42	.27	4,000	.084
80-C0805C229C5G	C0805C229C5GACTU	2.2	50	.25pF	.35	.23	4,000	.07
80-C0805C229C1G	C0805C229C1GACTU	2.2	100	.25pF	.40	.26	4,000	.08
80-C0805C229D1G	C0805C229D1GACTU	2.2	100	.5pF	.23	.15	4,000	.046
80-C0805C279C5G	C0805C279C5GACTU	2.7	50	.25pF	.35	.23	4,000	.07
80-C0805C279D5G	C0805C279D5GACTU	2.7	50	.5pF	.20	.13	4,000	.04
80-C0805C279C1G	C0805C279C1GACTU	2.7	100	.25pF	.40	.26	4,000	.08
80-C0805C309C5G	C0805C309C5GACTU	3.0	50	.25pF	.42	.27	4,000	.084
80-C0805C339C5G	C0805C339C5GACTU	3.3	50	.25pF	.35	.23	4,000	.07
80-C0805C339D1G	C0805C339D1GACTU	3.3	100	.5pF	.23	.15	4,000	.046
80-C0805C399C5G	C0805C399C5GACTU	3.9	50	.25pF	.35	.165	4,000	.07
80-C0805C399D1G	C0805C399D1GACTU	3.9	100	.5pF	.23	.15	4,000	.046
80-C0805C479C5G	C0805C479C5GACTU	4.7	50	.25pF	.35	.165	4,000	.07
80-C0805C479D5G	C0805C479D5GACTU	4.7	50	.5pF	.20	.05	4,000	.032
80-C0805C569J5G	C0805C569J5GACTU	5.6	50	5%	.39	.25	4,000	.078
80-C0805C569C5G	C0805C569C5GACTU	5.6	50	.25pF	.42	.27	4,000	.084
80-C0805C569D5G	C0805C569D5GACTU	5.6	50	.5pF	.20	.103	4,000	.04
80-C0805C569C1G	C0805C569C1GACTU	5.6	100	.25pF	.48	.31	4,000	.096
80-C0805C689C5G	C0805C689C5GACTU	6.8	50	.25pF	.45	.29	4,000	.09
80-C0805C689D1G	C0805C689D1GACTU	6.8	100	.5pF	.23	.15	4,000	.046
80-C0805C829C5G	C0805C829C5GACTU	8.2	50	.25pF	.50	.33	4,000	.10
80-C0805C829C1G	C0805C829C1GACTU	8.2	100	.25pF	.58	.38	4,000	.116
80-C0805C100J5G	C0805C100J5GACTU	10	50	5%	.09	.041	4,000	.018
80-C0805C100K5G	C0805C100K5GACTU	10	50	10%	.19	.12	4,000	.038
80-C0805C100C5G	C0805C100C5GACTU	10	50	.25pF	.60	.268	4,000	.12
80-C0805C100J1G	C0805C100J1GACTU	10	100	5%	.11	.058	4,000	.022
80-C0805C100K1G	C0805C100K1GACTU	10	100	10%	.22	.14	4,000	.044
80-C0805C100C1G	C0805C100C1GACTU	10	100	.25pF	.69	.45	4,000	.138
80-C0805C100D1G	C0805C100D1GACTU	10	100	.5pF	.23	.15	4,000	.046
80-C0805C120J5G	C0805C120J5GACTU	12	50	5%	.09	.06	4,000	.018
80-C0805C120C5G	C0805C120C5GACTU	12	50	.25pF	.70	.46	4,000	.14
80-C0805C150J5G	C0805C150J5GACTU	15	50	5%	.09	.06	4,000	.018
80-C0805C150K5G	C0805C150K5GACTU	15	50	10%	.19	.12	4,000	.038
80-C0805C150G1G	C0805C150G1GACTU	15	100	2%	.81	.53	4,000	.162
80-C0805C150J1G	C0805C150J1GACTU	15	100	5%	.23	.111	4,000	.046
80-C0805C150K1G	C0805C150K1GACTU	15	100	10%	.22	.14	4,000	.044
80-C0805C180G5G	C0805C180G5GACTU	18	50	2%	.70	.46	4,000	.14
80-C0805C180J5G	C0805C180J5GACTU	18	50	5%	.07	.044	4,000	.016
80-C0805C180K5G	C0805C180K5GACTU	18	50	10%	.19	.12	4,000	.038
80-C0805C180J1G	C0805C180J1GACTU	18	100	5%	.23	.107	4,000	.046
80-C0805C200G5G	C0805C200G5GACTU	20	50	2%	.84	.55	4,000	.168
80-C0805C200J5G	C0805C200J5GACTU	20	50	5%	.24	.16	4,000	.048
80-C0805C220G5G	C0805C220G5GACTU	22	50	2%	.70	.46	4,000	.14
80-C0805C220J5G	C0805C220J5GACTU	22	50	5%	.09	.057	4,000	.02
80-C0805C220K5G	C0805C220K5GACTU	22	50	10%	.19	.12	4,000	.038
80-C0805C220G1G	C0805C220G1GACTU	22	100	2%	.81	.53	4,000	.162
80-C0805C220J1G	C0805C220J1GACTU	22	100	5%	.05	.04	4,000	.01
80-C0805C220K1G	C0805C220K1GACTU	22	100	10%	.22	.14	4,000	.044
80-C0805C220J2G	C0805C220J2GACTU	22	200	5%	.28	.18	4,000	.056
80-C0805C240J5G	C0805C240J5GACTU	24	50	5%	.24	.16	4,000	.048
80-C0805C270G5G	C0805C270G5GACTU	27	50	2%	.70	.46	4,000	.14
80-C0805C270J5G	C0805C270J5GACTU	27	50	5%	.09	.06	4,000	.018
80-C0805C270K5G	C0805C270K5GACTU	27	50	10%	.19	.12	4,000	.038
80-C0805C270D1G	C0805C270D1GACTU	27	100	.5pF	.92	.60	4,000	.184
80-C0805C300J5G	C0805C300J5GACTU	30	50	5%	.24	.16	4,000	.048
80-C0805C300J1G	C0805C300J1GACTU	30	100	5%	.28	.18	4,000	.055
80-C0805C330F5G	C0805C330F5GACTU	33	50	1%	1.40	.91	4,000	.28
80-C0805C330G5G	C0805C330G5GACTU	33	50	2%	.70	.46	4,000	.14
80-C0805C330J5G	C0805C330J5GACTU	33	50	5%	.08	.041	4,000	.016
80-C0805C330K5G	C0805C330K5GACTU	33	50	10%	.19	.12	4,000	.038
80-C0805C330G1G	C0805C330G1GACTU	33	100	2%	.81	.53	4,000	.162
80-C0805C330J1G	C0805C330J1GACTU	33	100	5%	.23	.111	4,000	.046
80-C0805C390G5G	C0805C390G5GACTU	39	50	2%	.70	.46	4,000	.14
80-C0805C390J5G	C0805C390J5GACTU	39	50	5%	.20	.13	4,000	.04
80-C0805C390K1G	C0805C390K1GACTU	39	100	10%	.22	.14	4,000	.044
80-C0805C390J2G	C0805C390J2GACTU	39	200	5%	.28	.18	4,000	.056
80-C0805C470G5G	C0805C470G5GACTU	47	50	2%	.70	.46	4,000	.14
80-C0805C470J5G	C0805C470J5GACTU	47	50	5%	.05	.03	4,000	.01
80-C0805C470K5G	C0805C470K5GACTU	47	50	10%	.19	.12	4,000	.038
80-C0805C470J1G	C0805C470J1GACTU	47	100	5%	.11	.08	4,000	.022
80-C0805C510J5G	C0805C510J5GACTU	51	50	5%	.24	.16	4,000	.048
80-C0805C560G5G	C0805C560G5GACTU	56	50	2%	.70	.47	4,000	.14
80-C0805C560J5G	C0805C560J5GACTU	56	50	5%	.09	.06	4,000	.018
80-C0805C560J5G	C0805C560J5GAC7800	56	50	5%	.09	.06	4,000	.018
80-C0805C560K5G	C0805C560K5GACTU	56	50	10%	.19	.12	4,000	.038
80-C0805C560G1G	C0805C560G1GACTU	56	100	2%	.81	.53	4,000	.162
80-C0805C560J1G	C0805C560J1GACTU	56	100	5%	.23	.15	4,000	.046
80-C0805C560K1G	C0805C560K1GACTU	56	100	10%	.22	.14	4,000	.044
80-C0805C680G5G	C0805C680G5GACTU	68	50	2%	.70	.46	4,000	.14
80-C0805C680J5G	C0805C680J5GACTU	68	50	5%	.09	.06	4,000	.018
80-C0805C680J1G	C0805C680J1GACTU	68	100	5%	.23	.15	4,000	.046
80-C0805C680K2G	C0805C680K2GACTU	68	200	10%	.27	.17	4,000	.053

DIMENSIONS: mm (in.)



Style	L	W	T	B	S
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75 (.030)

CASE SIZE 0805 (CONT.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: C0G (cont.)								
80-C0805C750J5G	C0805C750J5GACTU	75	50	5%	.24	.16	4,000	.048
80-C0805C820G5G	C0805C820G5GACTU	82	50	2%	.70	.46	4,000	.14
80-C0805C820J5G	C0805C820J5GACTU	82	50	5%	.20	.13	4,000	.04
80-C0805C820K5G	C0805C820K5GACTU	82	50	10%	.19	.12	4,000	.038
80-C0805C820J1G	C0805C820J1GACTU	82	100	5%	.23	.15	4,000	.046
80-C0805C820K1G	C0805C820K1GACTU	82	100	10%	.22	.14	4,000	.044
80-C0805C910G5G	C0805C910G5GACTU	91	50	2%	.84	.55	4,000	.168
80-C0805C910J1G	C0805C910J1GACTU	91	100	5%	.28	.18	4,000	.055
80-C0805C101G5G	C0805C101G5GACTU	100	50	2%	.70	.46	4,000	.14
80-C0805C101J5G	C0805C101J5GACTU	100	50	5%	.09	.057	4,000	.02
80-C0805C101K5G	C0805C101K5GACTU	100	50	10%	.05	.029	4,000	.011
80-C0805C101G1G	C0805C101G1GACTU	100	100	2%	.81	.53	4,000	.162
80-C0805C101J1G	C0805C101J1GACTU	100	100	5%	.11	.09	4,000	.022
80-C0805C101K1G	C0805C101K1GACTU	100	100	10%	.22	.14	4,000	.044
80-C0805C101J2G	C0805C101J2GACTU	100	200	5%	.28	.18	4,000	.056
80-C0805C121G5G	C0805C121G5GACTU	120	50	2%	.77	.52	4,000	.154
80-C0805C121J5G	C0805C121J5GACTU	120	50	5%	.10	.08	4,000	.02
80-C0805C121J1G	C0805C121J1GACTU	120	100	5%	.25	.16	4,000	.05
80-C0805C121K1G	C0805C121K1GACTU	120	100	10%	.24	.16	4,000	.048
80-C0805C151G5G	C0805C151G5GACTU	150	50	2%	.77	.50	4,000	.154
80-C0805C151J5G	C0805C151J5GACTU	150	50	5%	.10	.08	4,000	.02
80-C0805C151J1G	C0805C151J1GACTU	150	100	5%	.25	.16	4,000	.05
80-C0805C181G5G	C0805C181G5GACTU	180	50	2%	.77	.50	4,000	.154
80-C0805C181J5G	C0805C181J5GACTU	180	50	5%	.22	.14	4,000	.044
80-C0805C181J1G	C0805C181J1GACTU	180	100	5%	.25	.16	4,000	.05
80-C0805C181K1G	C0805C181K1GACTU	180	100	10%	.24	.16	4,000	.048
80-C0805C201J5G	C0805C201J5GACTU	200	50	5%	.29	.19	4,000	.058
80-C0805C221J5G	C0805C221J5GACTU	220	50	5%	.06	.05	4,000	.012
80-C0805C221K5G	C0805C221K5GACTU	220	50	10%	.06	.05	4,000	.012
80-C0805C221G1G	C0805C221G1GACTU	220	100	2%	.97	.63	4,000	.194
80-C0805C221J1G	C0805C221J1GACTU	220	100	5%	.15	.10	4,000	.03
80-C0805C221K1G	C0805C221K1GACTU	220	100	10%	.26	.17	4,000	.052
80-C0805C271G5G	C0805C271G5GACTU	270	50	2%	.84	.55	4,000	.168
80-C0805C271J5G	C0805C271J5GACTU	270	50	5%	.24	.16	4,000	.048
80-C0805C271J1G	C0805C271J1GACTU	270	100	5%	.28	.18	4,000	.056
80-C0805C301J5G	C0805C301J5GACTU	300	50	5%	.31	.20	4,000	.062
80-C0805C301K2G	C0805C301K2GACTU	300	200	10%	.42	.27	4,000	.084
80-C0805C331G5G	C0805C331G5GACTU	330	50	2%	.91	.412	4,000	.182
80-C0805C331J5G	C0805C331J5GACTU	330	50	5%	.13	.054	4,000	.026
80-C0805C331K5G	C0805C331K5GACTU	330	50	10%	.25	.16	4,000	.05
80-C0805C331J1G	C0805C331J1GACTU	330	100	5%	.11	.05	4,000	.022
80-C0805C331K1G	C0805C331K1GACTU	330	100	10%	.29	.19	4,000	.058
80-C0805C391J5G	C0805C391J5GACTU	390	50	5%	.26	.17	4,000	.052
80-C0805C471G5G	C0805C471G5GACTU	470	50	2%	.98	.64	4,000	.196
80-C0805C471J5G	C0805C471J5GACTU	470	50	5%	.12	.10	4,000	.024
80-C0805C471K5G	C0805C471K5GACTU	470	50	10%	.27	.18	4,000	.054
80-C0805C471J1G	C0805C471J1GACTU	470	100	5%	.11	.082	4,000	.022
80-C0805C471J2G	C0805C471J2GACTU	470	200	5%	.39	.25	4,000	.078
80-C0805C561G5G	C0805C561G5GACTU	560	50	2%	.98	.64	4,000	.196
80-C0805C561J5G	C0805C561J5GACTU	560	50	5%	.28	.18	4,000	.056
80-C0805C681G5G	C0805C681G5GACTU	680	50	2%	1.05	.68	4,000	.21
80-C0805C681J5G	C0805C681J5GACTU	680	50	5%	.30	.136	4,000	.06
80-C0805C681K5G	C0805C681K5GACTU	680	50	10%	.29	.19	4,000	.058
80-C0805C681J1G	C0805C681J1GACTU	680	100	5%	.35	.23	4,000	.07
80-C0805C751J5G	C0805C751J5GACTU	750	50	5%	.38	.25	4,000	.077
80-C0805C821G5G	C0805C821G5GACTU	820	50	2%	1.12	.73	4,000	.224
80-C0805C821J5G	C0805C821J5GACTU	820	50	5%	.15	.082	4,000	.029
80-C0805C821J1G	C0805C821J1GACTU	820	100	5%	.37	.24	4,000	.074
80-C0805C102G5G	C0805C102G5GACTU	1000	50	2%	1.12	.73	4,000	.224
80-C0805C102J5G	C0805C102J5GACTU	1000	50	5%	.08	.05	4,000	.019
80-C0805C102K5G	C0805C102K5GACTU	1000	50	10%	.10	.08	4,000	.019
80-C0805C102G1G	C0805C102G1GACTU	1000	100	2%	1.29	.84	4,000	.258
80-C0805C102J1G	C0805C102J1GACTU	1000	100	5%	.37	.24	4,000	.074
80-C0805C122G5G	C0805C122G5GACTU	1200	50	2%	1.26	.82	4,000	.252
80-C0805C122J5G	C0805C122J5GACTU	1200	50	5%	.36	.23	4,000	.072
80-C0805C152G5G	C0805C152G5GACTU	1500	50	2%	1.47	.96	4,000	.294
80-C0805C152J5G	C0805C152J5GACTU	1500	50	5%	.42	.27	4,000	.084
80-C0805C182G5G	C0805C182G5GACTU	1800	50	2%	1.75	1.14	4,000	.35
80-C0805C182J5G	C0805C182J5GACTU	1800	50	5%	.50	.125	4,000	.075

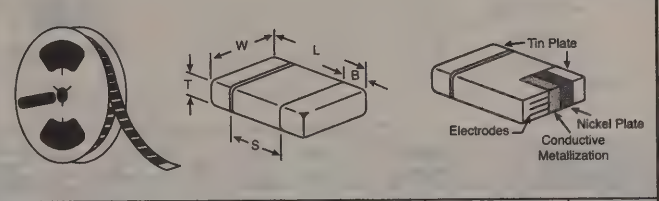
CASE SIZE 0805 (CONT.)

RoHS Compliant

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coefficient: X7R								
80-C0805C221K5R	C0805C221K5RACTU	220	50	10%	.33	.144	4,000	.066
80-C0805C221K1R	C0805C221K1RACTU	220	100	10%	.38	.25	4,000	.076
80-C0805C221K2R	C0805C221K2RACTU	220	200	10%	.46	.30	4,000	.092
80-C0805C271K5R	C0805C271K5RACTU	270	50	10%	.33	.21	4,000	.066
80-C0805C331K5R	C0805C331K5RACTU	330	50	10%	.33	.136	4,000	.066
80-C0805C331K1R	C0805C331K1RACTU	330	100	10%	.38	.25	4,000	.076
80-C0805C391K5R	C0805C391K5RACTU	390	50	10%	.33	.21	4,000	.066
80-C0805C471K5R	C0805C471K5RACTU	470	50	10%	.06	.06	4,000	.012
80-C0805C471K1R	C0805C471K1RACTU	470	100	10%	.29	.19	4,000	.058
80-C0805C561K5R	C0805C561K5RACTU	560	50	10%	.25	.16	4,000	.05
80-C0805C681K5R	C0805C681K5RACTU	680	50	10%	.25	.16	4,000	.05
80-C0805C681K1R	C0805C681K1RACTU	680	100	10%	.29	.19	4,000	.058
80-C0805C821K5R	C0805C821K5RACTU	820	50	10%	.25	.16	4,000	.05
80-C0805C102J5R	C0805C102J5RACTU	1000	50	5%	.07	.06	4,000	.014
80-C0805C102K5R	C0805C102K5RACTU	1000	50	10%	.04	.02	4,000	.007
80-C0805C102M5R	C0805C102M5RACTU	1000	50	20%	.05	.029	4,000	.01
80-C0805C102J1R	C0805C102J1RACTU	1000	100	5%	.44	.198	4,000	.088
80-C0805C102K1R	C0805C102K1RACTU	1000	100	10%	.05	.037	4,000	.01
80-C0805C102K2R	C0805C102K2RACTU	1000	200	10%	.35	.23	4,000	.07
80-C0805C122K5R	C0805C122K5RACTU	1200	50	10%	.25	.16	4,000	.05
80-C0805C122K2R	C0805C122K2RACTU	1200	200	10%	.35	.23	4,000	.07
80-C0805C152J5R	C0805C152J5RACTU	1500	50	5%	.38	.25	4,000	.076
80-C0805C152K5R	C0805C152K5RACTU	1500	50	10%	.25	.16	4,000	.05
80-C0805C152K1R	C0805C152K1RACTU	1500	100	10%	.29	.19	4,000	.058
80-C0805C202K5R	C0805C202K5RACTU	2000	50	10%	.46	.30	4,000	.092
80-C0805C222J5R	C0805C222J5RACTU	2200	50	5%	.38	.25	4,000	.076
80-C0805C222K5R	C0805C222K5RACTU	2200	50	10%	.05	.04	4,000	.009
80-C0805C222K1R	C0805C222K1RACTU	2200	100	10%	.09	.07	4,000	.017
80-C0805C222K2R	C0805C222K2RACTU	2200	200	10%	.35	.23	4,000	.07
80-C0805C272K5R	C0805C272K5RACTU	2700	50	10%	.25	.16	4,000	.05
80-C0805C272K1R	C0805C272K1RACTU	2700	100	10%	.29	.19	4,000	.058
80-C0805C332J5R	C0805C332J5RACTU	3300	50	5%	.38	.25	4,000	.076
80-C0805C332K5R	C0805C332K5RACTU	3300	50	10%	.25	.124	4,000	.05
80-C0805C332J1R	C0805C332J1RACTU	3300	100	5%	.44	.29	4,000	.088
80-C0805C332K1R	C0805C332K1RACTU	3300	100	10%	.29	.19	4,000	.058
80-C0805C392J5R	C0805C392J5RACTU	3900	50	5%	.38	.25	4,000	.076
80-C0805C392K5R	C0805C392K5RACTU	3900	50	10%	.25	.16	4,000	.05
80-C0805C472J5R	C0805C472J5RACTU	4700	50	5%	.38	.25	4,000	.076
80-C0805C472K5R	C0805C472K5RACTU	4700	50	10%	.05	.029	4,000	.01
80-C0805C472J1R	C0805C472J1RACTU	4700	100	5%	.44	.29	4,000	.088
80-C0805C472K1R	C0805C472K1RACTU	4700	100	10%	.29	.19	4,000	.058
80-C0805C472K2R	C0805C472K2RACTU	4700	200	10%	.35	.23	4,000	.07
80-C0805C562J5R	C0805C562J5RACTU	5600	50	5%	.38	.25	4,000	.076
80-C0805C562K5R	C0805C562K5RACTU	5600	50	10%	.25	.116	4,000	.05
80-C0805C562K1R	C0805C562K1RACTU	5600	100	10%	.29	.19	4,000	.058
80-C0805C682J5R	C0805C682J5RACTU	6800	50	5%	.38	.25	4,000	.076
80-C0805C682K5R	C0805C682K5RACTU	6800	50	10%	.25	.116	4,000	.05
80-C0805C822J5R	C0805C822J5RACTU	8200	50	5%	.38	.25	4,000	.076
80-C0805C822K5R	C0805C822K5RACTU	8200	50	10%	.25	.16	4,000	.05
80-C0805C123K5R	C0805C123K5RACTU	.012μF	50	10%	.28	.18	4,000	.056
80-C0805C153J5R	C0805C153J5RACTU	.015μF	50	5%	.42	.27	4,000	.084
80-C0805C153K5R	C0805C153K5RACTU	.015μF	50	10%	.28	.18	4,000	.056
80-C0805C153K1R	C0805C153K1RACTU	.015μF	100	10%	.32	.21	4,000	.064
80-C0805C183K5R	C0805C183K5RACTU	.018μF	50	10%	.28	.124	4,000	.056
80-C0805C103J5R	C0805C103J5RACTU	.01μF	50	5%	.06	.029	4,000	.011
80-C0805C103K5R	C0805C103K5RACTU	.01μF	50	10%	.03	.019	4,000	.008
80-C0805C103M5R	C0805C103M5RACTU	.01μF	50	20%	.03	.019	4,000	.008
80-C0805C103J1R	C0805C103J1RACTU	.01μF	100	5%	.44	.29	4,000	.088
80-C0805C103K1R	C0805C103K1RACTU	.01μF	100	10%	.04	.025	4,000	.009
80-C0805C223J5R	C0805C223J5RACTU	.022μF	50	5%	.42	.186	4,000	.084
80-C0805C223K5R	C0805C223K5RACTU	.022μF	50	10%	.05	.034	4,000	.013
80-C0805C223K1R	C0805C223K1RACTU	.022μF	100	10%	.32	.21	4,000	.064
80-C0805C273K5R	C0805C273K5RACTU	.027μF	50	10%	.07	.037	4,000	.014
80-C0805C333J5R	C0805C333J5RACTU	.033μF	50	5%	.47	.31	4,000	.094
80-C0805C333K5R	C0805C333K5RACTU	.033μF	50	10%	.11	.099	4,000	.021
80-C0805C393J5R	C0805C393J5RACTU	.039μF	50	5%	.48	.31	4,000	.096
80-C0805C473K5R	C0805C473K5RACTU	.047μF	50	10%	.07	.041	4,000	.014
80-C0805C563J5R	C0805C563J5RACTU	.056μF	50	5%	.54	.35	4,000	.108
80-C0805C563K5R	C0805C563K5RACTU	.056μF	50	10%	.10	.08	4,000	.02
80-C0805C683J5R	C0805C683J5RACTU	.068μF	50	5%	.62	.40	4,000	.124
80-C0805C683K5R	C0805C683K5RACTU	.068μF	50	10%	.41	.186	4,000	.082
80-C0805C823K5R	C0805C823K5RACTU	.082μF	50	10%	.43	.28	4,000	.086
80-C0805C154K4R	C0805C154K4RACTU	.15μF	16	10%	.57	.37	4,000	.114
80-C0805C154K3R	C0805C154K3RACTU	.15μF	25	10%	.63	.41	4,000	.125
80-C0805C184K4R	C0805C184K4RACTU	.18μF	16	10%	.63	.41	4,000	.125
80-C0805C104K4R	C0805C104K4RACTU	0.1μF	16	10%	.08	.048	4,000	.018
80-C0805C104K3R	C0805C104K3RACTU	0.1μF	25	10%	.04	.026	4,000	.01
80-C0805C104J5R	C0805C104J5RACTU	0.1μF	50	5%	.09	.05	4,000	.018
80-C0805C104K5R	C0805C104K5RACTU	0.1μF	50	10%	.04	.027	4,000	.011
80-C0805C104M5R	C0805C104M5RACTU	0.1μF	50	20%	.04	.027	4,000	.011
80-C0805C224J4R	C0805C224J4RACTU	.22μF	16	5%	1.12	.73	4,000	.224
80-C0805C224K4R	C0805C224K4RACTU	.22μF	16	10%	.13	.10	4,000	.026
80-C0805C224J3R	C0805C224J3RACTU	.22μF	25	5%	1.31	.85	4,000	.262
80-C0805C224K3R	C0805C224K3RACTU	.22μF	25	10%	.11	.08	4,000	.022

DIMENSIONS: mm (in.)



Style	L	W	T	B	S
0805	2.0(.079)±0.2(.008)	1.25(.049)±0.2(.008)	1.3 (.051)	0.5(.02)±.25(.010)	0.75 (.030)

CASE SIZE 0805 (CONT.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: X7R (cont.)								
80-C0805C274K4R	C0805C274K4RACTU	.27μF	16	10%	.79	.51	4,000	.157
80-C0805C274K3R	C0805C274K3RACTU	.27μF	25	10%	.86	.56	4,000	.173
80-C0805C334K8R	C0805C334K8RACTU	.33μF	10	10%	.81	.53	2,500	.162
80-C0805C334J4R	C0805C334J4RACTU	.33μF	16	5%	1.20	.78	2,500	.24
80-C0805C334K4R	C0805C334K4RACTU	.33μF	16	10%	.81	.53	2,500	.13
80-C0805C334K3R	C0805C334K3RACTU	.33μF	25	10%	.89	.58	2,500	.143
80-C0805C394K4R	C0805C394K4RACTU	.39μF	16	10%	.94	.61	2,500	.187
80-C0805C474J4R	C0805C474J4RACTU	.47μF	16	5%	1.25	.81	2,500	.25
80-C0805C474K4R	C0805C474K4RACTU	.47μF	16	10%	.25	.20	2,500	.063
80-C0805C474J3R	C0805C474J3RACTU	.47μF	25	5%	1.46	.95	2,500	.293
80-C0805C474K3R	C0805C474K3RACTU	.47μF	25	10%	1.05	.68	2,500	.167
80-C0805C564K8R	C0805C564K8RACTU	.56μF	10	10%	.95	.62	2,500	.19
80-C0805C684K8R	C0805C684K8RACTU	.68μF	10	10%	1.15	.75	2,500	.23
80-C0805C105K8R	C0805C105K8RACTU	1.0μF	10	10%	.12	.07	2,500	.02
80-C0805C105K4R	C0805C105K4RACTU	1.0μF	16	10%	.09	.05	2,500	.02
80-C0805C125K9R	C0805C125K9RACTU	1.2μF	6.3	10%	.95	.59	2,500	.152
80-C0805C125K8R	C0805C125K8RACTU	1.2μF	10	10%	.95	.62	2,500	.152
80-C0805C125K4R	C0805C125K4RACTU	1.2μF	16	10%	1.20	.78	2,500	.192
80-C0805C155K9R	C0805C155K9RACTU	1.5μF	6.3	10%	.95	.62	2,500	.152
80-C0805C155K8R	C0805C155K8RACTU	1.5μF	10	10%	.95	.62	2,500	.152
80-C0805C155K4R	C0805C155K4RACTU	1.5μF	16	10%	1.20	.78	2,500	.192
80-C0805C185K9R	C0805C185K9RACTU	1.8μF	6.3	10%	.95	.62	2,500	.152
80-C0805C185K8R	C0805C185K8RACTU	1.8μF	10	10%	.95	.62	2,500	.152
80-C0805C185K4R	C0805C185K4RACTU	1.8μF	16	10%	1.20	.78	2,500	.192
80-C0805C225K9R	C0805C225K9RACTU	2.2μF	6.3	10%	.32	.21	2,500	.051
80-C0805C225K8R	C0805C225K8RACTU	2.2μF	10	10%	.32	.20	2,500	.058
80-C0805C225K4R	C0805C225K4RACTU	2.2μF	16	10%	.45	.29	2,500	.072
Temperature Coef: X5R								
80-C0805C125K9P	C0805C125K9PACTU	1.2μF	6.3	10%	.41	.27	4,000	.082
80-C0805C125K8P	C0805C125K8PACTU	1.2μF	10	10%	.41	.27	4,000	.082
80-C0805C155K9P	C0805C155K9PACTU	1.5μF	6.3	10%	.43	.28	2,500	.069
80-C0805C155K8P	C0805C155K8PACTU	1.5μF	10	10%	.43	.28	2,500	.069
80-C0805C185K9P	C0805C185K9PACTU	1.8μF	6.3	10%	.45	.29	2,500	.072
80-C0805C185K8P	C0805C185K8PACTU	1.8μF	10	10%	.45	.29	2,500	.072
80-C0805C225K9P	C0805C225K9PACTU	2.2μF	6.3	10%	.41	.27	2,500	.07
80-C0805C225K8P	C0805C225K8PACTU	2.2μF	10	10%	.41	.27	2,500	.066
80-C0805C275K8P	C0805C275K8PACTU	2.7μF	10	10%	.64	.41	4,000	.128
80-C0805C335K9P	C0805C335K9PACTU	3.3μF	6.3	10%	.64	.41	2,500	.102
80-C0805C335K8P	C0805C335K8PACTU	3.3μF	10	10%	.64	.41	2,500	.102
80-C0805C395K9P	C0805C395K9PACTU	3.9μF	6.3	10%	.64	.41	2,500	.102
80-C0805C395K8P	C0805C395K8PACTU	3.9μF	10	10%	.64	.41	2,500	.102
80-C0805C475K9P	C0805C475K9PACTU	4.7μF	6.3	10%	.56	.33	2,500	.092
80-C0805C475K8P	C0805C475K8PACTU	4.7μF	10	10%	.45	.29	2,500	.072
80-C0805C685K9P	C0805C685K9PACTU	6.8μF	6.3	10%	1.31	.85	2,500	.263
80-C0805C106K9P	C0805C106K9PACTU	10μF	6.3	10%	.50	.30	2,500	.10
Temperature Coef: Z5U								
80-C0805C103M5U	C0805C103M5UACTU	.01μF	50	20%	.06	.05	4,000	.011
80-C0805C103Z5U	C0805C103Z5UACTU	.01μF	50	+80, -20	.05	.04	4,000	.01
80-C0805C104M5U	C0805C104M5UACTU	0.1μF	50	20%	.05	.035	4,000	.013
80-C0805C104Z5U	C0805C104Z5UACTU	0.1μF	50	+80, -20	.07	.06	4,000	.013
Temperature Coef: Y5V								
80-C0805C104Z3V	C0805C104Z3VACTU	0.1μF	25	+80, -20	.07	.06	4,000	.014
80-C0805C104M5V	C0805C104M5VACTU	0.1μF	50	20%	.07	.06	4,000	.014
80-C0805C104Z5V	C0805C104Z5VACTU	0.1μF	50	+80, -20	.07	.06	4,000	.014
80-C0805C224M3V	C0805C224M3VACTU	.22μF	25	20%	.39	.25	4,000	.078
80-C0805C224Z3V	C0805C224Z3VACTU	.22μF	25	+80, -20	.36	.23	4,000	.072
80-C0805C334Z4V	C0805C334Z4VACTU	.33μF	16	+80, -20	.22	.21	4,000	.044
80-C0805C334Z3V	C0805C334Z3VACTU	.33μF	25	+80, -20	.40	.26	4,000	.08
80-C0805C474Z4V	C0805C474Z4VACTU	.47μF	16	+80, -20	.25	.101	4,000	.049
80-C0805C474M3V	C0805C474M3VACTU	.47μF	25	20%	.49	.32	4,000	.098
80-C0805C684M4V	C0805C684M4VACTU	.68μF	16	20%	.68	.44	4,000	.136
80-C0805C105M4V	C0805C105M4VACTU	1.0μF	16	20%	.11	.09	2,500	.018
80-C0805C105Z4V	C0805C105Z4VACTU	1.0μF	16	+80, -20	.09	.07	2,500	.017
80-C0805C105Z3V	C0805C105Z3VACTU	1.0μF	25	+80, -20	.54	.35	2,500	.086
80-C0805C155Z4V	C0805C155Z4VACTU	1.5μF	16	+80, -20	.59	.39	2,500	.095
80-C0805C106Z9V	C0805C106Z9VACTU	10μF	6.3	+80, -20	.99	.64	3,000	.158
80-C0805C225Z4V	C0805C225Z4VACTU	2.2μF	16	+80, -20	1.24	.62	2,500	.17
80-C0805C335Z9V	C0805C335Z9VACTU	3.3μF	6.3	+80, -20	.84	.55	2,500	.134
80-C0805C335Z8V	C0805C335Z8VACTU	3.3μF	10	+80, -20	.84	.55	2,500	.134
80-C0805C475Z9V	C0805C475Z9VACTU	4.7μF	6.3	+80, -20	.94	.61	2,500	.15
80-C0805C475Z8V	C0805C475Z8VACTU	4.7μF	10	+80, -20	.67	.33	2,500	.09

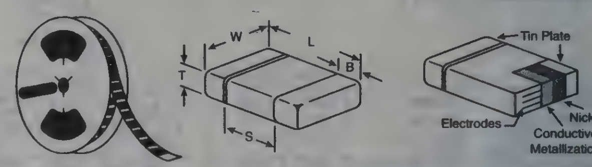
KEMET Ceramic Chip Capacitors

The Capacitance Company
KEMET
CHARGED.

CASE SIZE 1206

RoHS Compliant

DIMENSIONS: mm (in.)



Style	L	W	T	B	S
1206	3.2(.126)±0.2(.008)	1.6(.063)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Ea. 1	Price Ea. 100	7" Reel Qty.	Price Per Piece
Temperature Coef: C0G								
80-C1206C109C5G	C1206C109C5GACTU	1.0	50	.25pF	.66	.43	4000	.132
80-C1206C109D5G	C1206C109D5GACTU	1.0	50	.5pF	.38	.25	4,000	.076
80-C1206C159C5G	C1206C159C5GACTU	1.5	50	.25pF	.66	.43	4,000	.132
80-C1206C189C5G	C1206C189C5GACTU	1.8	50	.25pF	.66	.43	4,000	.132
80-C1206C209C5G	C1206C209C5GACTU	2.0	50	.25pF	.79	.52	4,000	.159
80-C1206C229C5G	C1206C229C5GACTU	2.2	50	.25pF	.66	.43	4,000	.132
80-C1206C279C5G	C1206C279C5GACTU	2.7	50	.25pF	.66	.43	4,000	.132
80-C1206C309D5G	C1206C309D5GACTU	3.0	50	.5pF	.45	.30	4,000	.091
80-C1206C339C5G	C1206C339C5GACTU	3.3	50	.25pF	.66	.43	4,000	.132
80-C1206C399C5G	C1206C399C5GACTU	3.9	50	.25pF	.66	.43	4,000	.132
80-C1206C479K5G	C1206C479K5GACTU	4.7	50	10%	.45	.29	4,000	.09
80-C1206C479C5G	C1206C479C5GACTU	4.7	50	.25pF	.66	.43	4,000	.132
80-C1206C509D5G	C1206C509D5GACTU	5.0	50	.5pF	.83	.54	4,000	.165
80-C1206C519C5G	C1206C519C5GACTU	5.1	50	.25pF	.96	.62	4,000	.192
80-C1206C569J5G	C1206C569J5GACTU	5.6	50	5%	.74	.48	4,000	.147
80-C1206C569C5G	C1206C569C5GACTU	5.6	50	.25pF	.80	.52	4,000	.16
80-C1206C689C5G	C1206C689C5GACTU	6.8	50	.25pF	.85	.55	4,000	.17
80-C1206C689D5G	C1206C689D5GACTU	6.8	50	.5pF	.38	.25	4,000	.076
80-C1206C759C5G	C1206C759C5GACTU	7.5	50	.25pF	1.12	.73	4,000	.224
80-C1206C759D5G	C1206C759D5GACTU	7.5	50	.5pF	.45	.30	4,000	.091
80-C1206C829J5G	C1206C829J5GACTU	8.2	50	5%	.47	.31	4,000	.095
80-C1206C829D5G	C1206C829D5GACTU	8.2	50	.5pF	.38	.25	4,000	.076
80-C1206C919D5G	C1206C919D5GACTU	9.1	50	.5pF	.45	.30	4,000	.091
80-C1206C100J5G	C1206C100J5GACTU	10	50	5%	.16	.074	4,000	.031
80-C1206C100C5G	C1206C100C5GACTU	10	50	.25pF	1.12	.73	4,000	.225
80-C1206C100J1G	C1206C100J1GACTU	10	100	5%	.44	.198	4,000	.087
80-C1206C100D1G	C1206C100D1GACTU	10	100	.5pF	.44	.28	4,000	.087
80-C1206C110C5G	C1206C110C5GACTU	11	50	.25pF	1.59	1.03	4,000	.318
80-C1206C120J5G	C1206C120J5GACTU	12	50	5%	.16	.10	4,000	.031
80-C1206C120J1G	C1206C120J1GACTU	12	100	5%	.44	.28	4,000	.087
80-C1206C150J5G	C1206C150J5GACTU	15	50	5%	.16	.10	4,000	.031
80-C1206C150K5G	C1206C150K5GACTU	15	50	10%	.36	.23	4,000	.071
80-C1206C150K1G	C1206C150K1GACTU	15	100	10%	.41	.27	4,000	.082
80-C1206C180J5G	C1206C180J5GACTU	18	50	5%	.16	.10	4,000	.031
80-C1206C200J5G	C1206C200J5GACTU	20	50	5%	.45	.30	4,000	.091
80-C1206C200J1G	C1206C200J1GACTU	20	100	5%	.52	.34	4,000	.104
80-C1206C220J5G	C1206C220J5GACTU	22	50	5%	.16	.10	4,000	.031
80-C1206C220K5G	C1206C220K5GACTU	22	50	10%	.36	.23	4,000	.071
80-C1206C220K1G	C1206C220K1GACTU	22	100	10%	.41	.27	4,000	.082
80-C1206C240J1G	C1206C240J1GACTU	24	100	5%	.52	.34	4,000	.104
80-C1206C270J5G	C1206C270J5GACTU	27	50	5%	.16	.10	4,000	.031
80-C1206C270K5G	C1206C270K5GACTU	27	50	10%	.36	.23	4,000	.071
80-C1206C270J1G	C1206C270J1GACTU	27	100	5%	.44	.28	4,000	.087
80-C1206C330G5G	C1206C330G5GACTU	33	50	2%	1.32	.86	4,000	.265
80-C1206C330J5G	C1206C330J5GACTU	33	50	5%	.16	.10	4,000	.031
80-C1206C330K5G	C1206C330K5GACTU	33	50	10%	.36	.23	4,000	.071
80-C1206C330J1G	C1206C330J1GACTU	33	100	5%	.44	.28	4,000	.087
80-C1206C330K1G	C1206C330K1GACTU	33	100	10%	.41	.27	4,000	.082
80-C1206C330K2G	C1206C330K2GACTU	33	200	10%	.50	.33	4,000	.10
80-C1206C390J5G	C1206C390J5GACTU	39	50	5%	.38	.25	4,000	.076
80-C1206C390K5G	C1206C390K5GACTU	39	50	10%	.36	.23	4,000	.071
80-C1206C390J1G	C1206C390J1GACTU	39	100	5%	.44	.28	4,000	.087
80-C1206C470G5G	C1206C470G5GACTU	47	50	2%	1.32	.86	4,000	.265
80-C1206C470J5G	C1206C470J5GACTU	47	50	5%	.16	.10	4,000	.031
80-C1206C470K5G	C1206C470K5GACTU	47	50	10%	.36	.23	4,000	.071
80-C1206C470J1G	C1206C470J1GACTU	47	100	5%	.44	.28	4,000	.087
80-C1206C470J2G	C1206C470J2GACTU	47	200	5%	.53	.34	4,000	.106
80-C1206C470K2G	C1206C470K2GACTU	47	200	10%	.50	.33	4,000	.10
80-C1206C510J5G	C1206C510J5GACTU	51	50	5%	.45	.30	4,000	.091
80-C1206C560J5G	C1206C560J5GACTU	56	50	5%	.38	.25	4,000	.076
80-C1206C620J1G	C1206C620J1GACTU	62	100	5%	.52	.34	4,000	.104
80-C1206C680G5G	C1206C680G5GACTU	68	50	2%	1.32	.86	4,000	.265
80-C1206C680J5G	C1206C680J5GACTU	68	50	5%	.38	.25	4,000	.076
80-C1206C680M5G	C1206C680M5GACTU	68	50	20%	.34	.22	4,000	.067
80-C1206C680J1G	C1206C680J1GACTU	68	100	5%	.44	.28	4,000	.087
80-C1206C820J5G	C1206C820J5GACTU	82	50	5%	.38	.25	4,000	.076
80-C1206C101G5G	C1206C101G5GACTU	100	50	2%	1.32	.86	4,000	.265
80-C1206C101J5G	C1206C101J5GACTU	100	50	5%	.10	.074	4,000	.02
80-C1206C101K5G	C1206C101K5GACTU	100	50	10%	.36	.23	4,000	.071
80-C1206C101J1G	C1206C101J1GACTU	100	100	5%	.12	.082	4,000	.024
80-C1206C101K1G	C1206C101K1GACTU	100	100	10%	.41	.27	4,000	.082
80-C1206C101K2G	C1206C101K2GACTU	100	200	10%	.50	.33	4,000	.10
80-C1206C121G5G	C1206C121G5GACTU	120	50	2%	1.32	.86	4,000	.265
80-C1206C121J5G	C1206C121J5GACTU	120	50	5%	.38	.25	4,000	.076
80-C1206C121J1G	C1206C121J1GACTU	120	100	5%	.44	.28	4,000	.087
80-C1206C151G5G	C1206C151G5GACTU	150	50	2%	1.40	.91	4,000	.279
80-C1206C151J5G	C1206C151J5GACTU	150	50	5%	.20	.14	4,000	.04
80-C1206C151K5G	C1206C151K5GACTU	150	50	10%	.38	.25	4,000	.076
80-C1206C151J1G	C1206C151J1GACTU	150	100	5%	.46	.30	4,000	.092
80-C1206C151J2G	C1206C151J2GACTU	150	200	5%	.56	.36	4,000	.112

CASE SIZE 1206 (CONT.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Ea. 1	Price Ea. 100	7" Reel Qty.	Price Per Piece
Temperature Coef: C0G (cont.)								
80-C1206C181J5G	C1206C181J5GACTU	180	50	5%	.41	.27	4,000	.082
80-C1206C181K5G	C1206C181K5GACTU	180	50	10%	.39	.25	4,000	.078
80-C1206C181J1G	C1206C181J1GACTU	180	100	5%	.47	.31	4,000	.094
80-C1206C201J1G	C1206C201J1GACTU	200	100	5%	.57	.37	4,000	.113
80-C1206C221G5G	C1206C221G5GACTU	220	50	2%	1.44	.93	4,000	.287
80-C1206C221J5G	C1206C221J5GACTU	220	50	5%	.20	.16	4,000	.04
80-C1206C221K5G	C1206C221K5GACTU	220	50	10%	.39	.25	4,000	.078
80-C1206C221J2G	C1206C221J2GACTU	220	200	5%	.57	.37	4,000	.115
80-C1206C271J5G	C1206C271J5GACTU	270	50	5%	.42	.27	4,000	.084
80-C1206C271K5G	C1206C271K5GACTU	270	50	10%	.40	.26	4,000	.08
80-C1206C271J1G	C1206C271J1GACTU	270	100	5%	.48	.31	4,000	.097
80-C1206C271J2G	C1206C271J2GACTU	270	200	5%	.59	.38	4,000	.118
80-C1206C331G5G	C1206C331G5GACTU	330	50	2%	1.47	.96	4,000	.294
80-C1206C331J5G	C1206C331J5GACTU	330	50	5%	.20	.18	4,000	.04
80-C1206C331K5G	C1206C331K5GACTU	330	50	10%	.40	.26	4,000	.08
80-C1206C331J1G	C1206C331J1GACTU	330	100	5%	.48	.31	4,000	.097
80-C1206C331K1G	C1206C331K1GACTU	330	100	10%	.46	.30	4,000	.092
80-C1206C331J2G	C1206C331J2GACTU	330	200	5%	.59	.38	4,000	.118
80-C1206C361J5G	C1206C361J5GACTU	360	50	5%	.52	.34	4,000	.103
80-C1206C391G5G	C1206C391G5GACTU	390	50	2%	1.51	.98	4,000	.302
80-C1206C391J5G	C1206C391J5GACTU	390	50	5%	.43	.28	4,000	.086
80-C1206C391K5G	C1206C391K5GACTU	390	50	10%	.41	.27	4,000	.082
80-C1206C391J2G	C1206C391J2GACTU	390	200	5%	.60	.39	4,000	.121
80-C1206C471G5G	C1206C471G5GACTU	470	50	2%	1.51	.98	4,000	.302
80-C1206C471J5G	C1206C471J5GACTU	470	50	5%	.20	.20	4,000	.04
80-C1206C471K5G	C1206C471K5GACTU	470	50	10%	.41	.27	4,000	.082
80-C1206C471J1G	C1206C471J1GACTU	470	100	5%	.50	.32	4,000	.099
80-C1206C471K1G	C1206C471K1GACTU	470	100	10%	.47	.31	4,000	.094
80-C1206C471K2G	C1206C471K2GACTU	470	200	10%	.57	.37	4,000	.115
80-C1206C561G5G	C1206C561G5GACTU	560	50	2%	1.58	1.03	4,000	.316
80-C1206C561J5G	C1206C561J5GACTU	560	50	5%	.45	.29	4,000	.09
80-C1206C561K5G	C1206C561K5GACTU	560	50	10%	.43	.28	4,000	.086
80-C1206C561J1G	C1206C561J1GACTU	560	100	5%	.52	.34	4,000	.104
80-C1206C621J5G	C1206C621J5GACTU	620	50	5%	.57	.37	4,000	.114
80-C1206C681J5G	C1206C681J5GACTU	680	50	5%	.47	.31	4,000	.095
80-C1206C681K5G	C1206C681K5GACTU	680	50	10%	.45	.29	4,000	.09
80-C1206C681K1G	C1206C681K1GACTU	680	100	10%	.52	.34	4,000	.104
80-C1206C751J5G	C1206C751J5GACTU	750	50	5%	.59	.39	4,000	.119
80-C1206C821G5G	C1206C821G5GACTU	820	50	2%	1.73	1.12	4,000	.346
80-C1206C821J5G	C1206C821J5GACTU	820	50	5%	.49	.32	4,000	.099
80-C1206C821K5G	C1206C821K5GACTU	820	50	10%	.47	.31	4,000	.095
80-C1206C102G5G	C1206C102G5GACTU	1000	50	2%	1.84	1.19	4,000	.368
80-C1206C102J5G	C1206C102J5GACTU	1000	50	5%	.17	.078	4,000	.033
80-C1206C102K5G	C1206C102K5GACTU	1000	50	10%	.17	.13	4,000	.033
80-C1206C102G1G	C1206C102G1GACTU	1000	100	2%	2.11	1.37	4,000	.423
80-C1206C102J1G	C1206C102J1GACTU	1000	100	5%	.30	.144	4,000	.06
80-C1206C102K1G	C1206C102K1GACTU	1000	100	10%	.18	.099	4,000	.036
80-C1206C102K2G	C1206C102K2GACTU	1000	200	10%	.71	.46	4,000	.141
80-C1206C122J5G	C1206C122J5GACTU	1200	50	5%	.55	.35	4,000	.109
80-C1206C122K5G	C1206C122K5GACTU	1200	50	10%	.52	.33	4,000	.103
80-C1206C122J1G	C1206C122J1GACTU	1200	100	5%	.63	.41	4,000	.126
80-C1206C152J5G	C1206C152J5GACTU	1500	50	5%	.57	.37	4,000	.113
80-C1206C152K5G	C1206C152K5GACTU	1500	50	10%	.54	.35	4,000	.107
80-C1206C152M5G	C1206C152M5GACTU	1500	50	20%	.50	.33	4,000	.101
80-C1206C152J1G	C1206C152J1GACTU	1500	100	5%	.65	.42	4,000	.13
80-C1206C182J5G	C1206C182J5GACTU	1800	50	5%	.60	.39	4,000	.12
80-C1206C222G5G	C1206C222G5GACTU	2200	50	2%	2.21	1.43	4,000	.441
80-C1206C222J5G	C1206C222J5GACTU	2200	50	5%	.62	.41	4,000	.124
80-C1206C222K5G	C1206C222K5GACTU	2200	50	10%	.60	.39	4,000	.12
80-C1206C222J1G	C1206C222J1GACTU	2200	100	5%	.73	.47	4,000	.116
80-C1206C272G5G	C1206C272G5GACTU	2700	50	2%	2.32	1.51	4,000	.463
80-C1206C272K5G	C1206C272K5GACTU	2700	50	10%	.63	.41	4,000	.126
80-C1206C272J1G	C1206C272J1GACTU	2700	100	5%	.76	.49	4,000	.152
80-C1206C332G5G	C1206C332G5GACTU	3300	50	2%	2.46	1.60	4,000	.493
80-C1206C332J5G	C1206C332J5GACTU	3300	50	5%	.70	.46	4,000	.141
80-C1206C332J1G	C1206C332J1GACTU	3300	100	5%	.81	.53	4,000	.13
80-C1206C392J5G	C1206C392J5GACTU	3900	50	5%	.78	.51	4,000	.155
80-C1206C472G5G	C1206C472G5GACTU	4700	50	2%	3.13	2.03	4,000	.625
80-C1206C472J5G	C1206C472J5GACTU	4700	50	5%	.89	.58	4,000	.179
80-C1206C562J5G	C1206C562J5GACTU	5600	50	5%	1.15	.74	4,000	.229

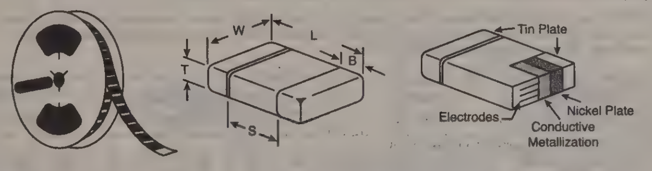
CASE SIZE 1206 (CONT.)

RoHS Compliant

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Ea.		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: X7R								
80-C1206C102K5R	C1206C102K5RACTU	1000	50	10%	.09	.054	4,000	.018
80-C1206C102K1R	C1206C102K1RACTU	1000	100	10%	.13	.062	4,000	.026
80-C1206C122K5R	C1206C122K5RACTU	1200	50	10%	.30	.20	4,000	.06
80-C1206C152K5R	C1206C152K5RACTU	1500	50	10%	.30	.20	4,000	.06
80-C1206C182K5R	C1206C182K5RACTU	1800	50	10%	.30	.20	4,000	.06
80-C1206C222K5R	C1206C222K5RACTU	2200	50	10%	.16	.10	4,000	.031
80-C1206C222K1R	C1206C222K1RACTU	2200	100	10%	.35	.23	4,000	.07
80-C1206C272K5R	C1206C272K5RACTU	2700	50	10%	.30	.20	4,000	.06
80-C1206C332K5R	C1206C332K5RACTU	3300	50	10%	.30	.20	4,000	.06
80-C1206C332K1R	C1206C332K1RACTU	3300	100	10%	.35	.23	4,000	.07
80-C1206C392K5R	C1206C392K5RACTU	3900	50	10%	.30	.20	4,000	.06
80-C1206C472K5R	C1206C472K5RACTU	4700	50	10%	.12	.10	4,000	.024
80-C1206C562K5R	C1206C562K5RACTU	5600	50	10%	.30	.20	4,000	.06
80-C1206C682K5R	C1206C682K5RACTU	6800	50	10%	.30	.20	4,000	.06
80-C1206C123K5R	C1206C123K5RACTU	.012μF	50	10%	.34	.22	4,000	.068
80-C1206C153K5R	C1206C153K5RACTU	.015μF	50	10%	.34	.22	4,000	.068
80-C1206C183K5R	C1206C183K5RACTU	.018μF	50	10%	.34	.22	4,000	.068
80-C1206C103J5R	C1206C103J5RACTU	.01μF	50	5%	.15	.11	4,000	.03
80-C1206C103K5R	C1206C103K5RACTU	.01μF	50	10%	.10	.06	4,000	.03
80-C1206C103J1R	C1206C103J1RACTU	.01μF	100	5%	.18	.16	4,000	.036
80-C1206C103K1R	C1206C103K1RACTU	.01μF	100	10%	.11	.08	4,000	.021
80-C1206C103M1R	C1206C103M1RACTU	.01μF	100	20%	.11	.08	4,000	.021
80-C1206C223K5R	C1206C223K5RACTU	.022μF	50	10%	.15	.11	4,000	.03
80-C1206C273K5R	C1206C273K5RACTU	.027μF	50	10%	.34	.22	4,000	.068
80-C1206C333K5R	C1206C333K5RACTU	.033μF	50	10%	.34	.22	4,000	.068
80-C1206C333K1R	C1206C333K1RACTU	.033μF	100	10%	.39	.25	4,000	.078
80-C1206C393K5R	C1206C393K5RACTU	.039μF	50	10%	.35	.23	4,000	.07
80-C1206C473K5R	C1206C473K5RACTU	.047μF	50	10%	.14	.12	4,000	.028
80-C1206C563K1R	C1206C563K1RACTU	.056μF	100	10%	.50	.33	4,000	.101
80-C1206C683J5R	C1206C683J5RACTU	.068μF	50	5%	.37	.24	4,000	.073
80-C1206C683K1R	C1206C683K1RACTU	.068μF	100	10%	.55	.35	4,000	.109
80-C1206C823K1R	C1206C823K1RACTU	.082μF	100	10%	.57	.37	4,000	.115
80-C1206C104J5R	C1206C104J5RACTU	0.1μF	50	5%	.13	.10	4,000	.026
80-C1206C104K5R	C1206C104K5RACTU	0.1μF	50	10%	.08	.06	4,000	.015
80-C1206C104M5R	C1206C104M5RACTU	0.1μF	50	20%	.10	.10	4,000	.019
80-C1206C104K1R	C1206C104K1RACTU	0.1μF	100	10%	.22	.18	4,000	.043
80-C1206C154K5R	C1206C154K5RACTU	0.15μF	50	10%	.54	.35	2,500	.097
80-C1206C224K5R	C1206C224K5RACTU	.22μF	50	10%	.25	.21	2,500	.04
80-C1206C334K3R	C1206C334K3RACTU	.33μF	25	10%	.90	.59	4,000	.18
80-C1206C474K3R	C1206C474K3RACTU	.47μF	25	10%	1.00	.65	4,000	.20
80-C1206C105K4R	C1206C105K4RACTU	1.0μF	16	10%	.28	.25	2,500	.045
80-C1206C105K3R	C1206C105K3RACTU	1.0μF	25	10%	.26	.21	2,000	.042
80-C1206C125K8R	C1206C125K8RACTU	1.2μF	10	10%	1.30	.85	4,000	.26
80-C1206C125K4R	C1206C125K4RACTU	1.2μF	16	10%	1.30	.325	4,000	.195
80-C1206C155K8R	C1206C155K8RACTU	1.5μF	10	10%	1.55	1.00	2,500	.278
80-C1206C225K4R	C1206C225K4RACTU	2.2μF	16	10%	.47	.27	2,000	.069
80-C1206C275K9R	C1206C275K9RACTU	2.7μF	6.3	10%	1.60	1.04	4000	.364
80-C1206C275K8R	C1206C275K8RACTU	2.7μF	10	10%	1.60	1.04	4000	.364
80-C1206C275K4R	C1206C275K4RACTU	2.7μF	16	10%	1.60	1.04	4000	.364
80-C1206C335K9R	C1206C335K9RACTU	3.3μF	6.3	10%	1.70	1.11	2500	.272
80-C1206C335K8R	C1206C335K8RACTU	3.3μF	10	10%	1.70	1.11	2500	.272
80-C1206C335K4R	C1206C335K4RACTU	3.3μF	16	10%	1.70	1.11	2500	.272
80-C1206C395K4R	C1206C395K4RACTU	3.9μF	16	10%	1.70	1.11	2500	.272
80-C1206C475K8R	C1206C475K8RACTU	4.7μF	10	10%	.60	.39	2500	.096
80-C1206C475K4R	C1206C475K4RACTU	4.7μF	16	10%	1.80	1.17	2500	.288
80-C1206C565K9R	C1206C565K9RACTU	5.6μF	6.3	10%	1.17	.45	2000	.27
80-C1206C565K8R	C1206C565K8RACTU	5.6μF	10	10%	1.80	1.17	2000	.288
80-C1206C565K4R	C1206C565K4RACTU	5.6μF	16	10%	1.90	1.24	2000	.304
80-C1206C685K8R	C1206C685K8RACTU	6.8μF	10	10%	1.90	1.24	2000	.304
80-C1206C685K4R	C1206C685K4RACTU	6.8μF	16	10%	2.00	.50	2000	.30
80-C1206C825K9R	C1206C825K9RACTU	8.2μF	6.3	10%	1.30	.50	2000	.30
80-C1206C825K8R	C1206C825K8RACTU	8.2μF	10	10%	1.30	.50	2000	.30
80-C1206C106K9R	C1206C106K9RACTU	10μF	6.3	10%	.62	.40	2000	.099
80-C1206C106K8R	C1206C106K8RACTU	10μF	10	10%	.62	.40	2000	.10
Temperature Coef: X5R								
80-C1206C105K3P	C1206C105K3PACTU	1.0μF	25	10%	1.32	.86	2,000	.211
80-C1206C225K4P	C1206C225K4PACTU	2.2μF	16	10%	.80	.52	2,500	.128
80-C1206C335K4P	C1206C335K4PACTU	3.3μF	16	10%	1.00	.65	2,000	.20
80-C1206C335K3P	C1206C335K3PACTU	3.3μF	25	10%	1.00	.65	2,000	.227
80-C1206C395K3P	C1206C395K3PACTU	3.9μF	25	10%	1.00	.65	2,000	.227
80-C1206C475K8P	C1206C475K8PACTU	4.7μF	10	10%	.55	.50	2,000	.11
80-C1206C475K4P	C1206C475K4PACTU	4.7μF	16	10%	.78	.51	2,000	.125
80-C1206C475K3P	C1206C475K3PACTU	4.7μF	25	10%	.50	.33	2,000	.08
80-C1206C685K9P	C1206C685K9PACTU	6.8μF	6.3	10%	1.36	.88	2,000	.309
80-C1206C106K9P	C1206C106K9PACTU	10μF	6.3	10%	.65	.533	2,000	.104

DIMENSIONS: mm (in.)



Style	L	W	T	B	S
1206	3.2(.126)±0.2(.008)	1.6(.063)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A
1210	3.2(.126)±0.2(.008)	2.5(.098)±0.2(.008)	1.5 (.059)	0.5(.02)±.25(.010)	N/A

CASE SIZE 1206 (CONT.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Ea.		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: X5R (cont.)								
80-C1206C106K8P	C1206C106K8PACTU	10μF	10	10%	.65	.42	2,000	.13
80-C1206C226K9P	C1206C226K9PACTU	22μF	6.3	10%	1.60	1.04	2,000	.256
Temperature Coef: Z5U								
80-C1206C104M5U	C1206C104M5UACTU	0.1μF	50	20%	.10	.08	4000	.02
80-C1206C104Z5U	C1206C104Z5UACTU	0.1μF	50	+80, -20	.10	.08	4000	.02
Temperature Coef: Y5V								
80-C1206C105M4V	C1206C105M4VACTU	1.0μF	16	20%	.25	.16	4,000	.049
80-C1206C475Z4V	C1206C475Z4VACTU	4.7μF	16	+80, -20	.30	.11	2500	.048

CASE SIZE 1210

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Kemet Part No.	Value (pF)	Volt (DC)	Tol.±	Price Ea.		7" Reel Qty.	Price Per Piece
					1	100		
Temperature Coef: C0G								
80-C1210C272J5G	C1210C272J5GACTU	2700	50	5%	1.06	.69	4,000	.212
80-C1210C332J5G	C1210C332J5GACTU	3300	50	5%	1.12	.73	4,000	.225
80-C1210C682J5G	C1210C682J5GACTU	6800	50	5%	2.20	1.43	4,000	.439
Temperature Coef: X7R								
80-C1210C103K5R	C1210C103K5RACTU	.01μF	50	10%	.60	.39	4,000	.12
80-C1210C103K1R	C1210C103K1RACTU	.01μF	100	10%	.69	.45	4,000	.138
80-C1210C103K2R	C1210C103K2RACTU	.01μF	200	10%	.84	.55	4,000	.168
80-C1210C223K5R	C1210C223K5RACTU	.022μF	50	10%	.63	.41	4,000	.126
80-C1210C223K1R	C1210C223K1RACTU	.022μF	100	10%	.72	.47	4,000	.144
80-C1210C104K5R	C1210C104K5RACTU	0.1μF	50	10%	.32	.21	4,000	.064
80-C1210C104K1R	C1210C104K1RACTU	0.1μF	100	10%	.35	.30	2,500	.056
80-C1210C104K2R	C1210C104K2RACTU	0.1μF	200	10%	1.02	.66	2,500	.164
80-C1210C224K5R	C1210C224K5RACTU	.22μF	50	10%	.40	.26	2,500	.064
80-C1210C334K5R	C1210C334K5RACTU	.33μF	50	10%	.55	.50	2,500	.088
80-C1210C474K5R	C1210C474K5RACTU	.47μF	50	10%	1.65	.68	4000	.33
80-C1210C684K5R	C1210C684K5RACTU	.68μF	50	10%	1.65	1.07	4000	.33
80-C1210C824K5R	C1210C824K5RACTU	.82μF	50	10%	1.80	1.17	2500	.288
80-C1210C105K5R	C1210C105K5RACTU	1.0μF	50	10%	.63	.47	4,000	.10
80-C1210C125K3R	C1210C125K3RACTU	1.2μF	25	10%	1.80	.74	4000	.409
80-C1210C155K3R	C1210C155K3RACTU	1.5μF	25	10%	1.80	1.17	2000	.288
80-C1210C185K3R	C1210C185K3RACTU	1.8μF	25	10%	.98	.375	2000	.225
80-C1210C225K3R	C1210C225K3RACTU	2.2μF	25	10%	1.50	.62	2000	.24
Temperature Coef: X5R								
80-C1210C105K5P	C1210C105K5PACTU	1.0μF	50	10%	1.80	1.17	2,500	.29
80-C1210C125K3P	C1210C125K3PACTU	1.2μF	25	10%	.55	.213	4000	.128
80-C1210C155K3P	C1210C155K3PACTU	1.5μF	25	10%	.85	.66	2000	.136
80-C1210C185K3P	C1210C185K3PACTU	1.8μF	25	10%	.85	.55	4000	.17
80-C1210C225K3P	C1210C225K3PACTU	2.2μF	25	10%	1.00	.65	2500	.16
80-C1210C275K4P	C1210C275K4PACTU	2.7μF	16	10%	1.35	.88	2500	.216
80-C1210C275K3P	C1210C275K3PACTU	2.7μF	25	10%	1.35	.88	6000	.216
80-C1210C335K4P	C1210C335K4PACTU	3.3μF	16	10%	1.35	.88	2000	.216
80-C1210C335K3P	C1210C335K3PACTU	3.3μF	25	10%	1.35	.88	2000	.216
80-C1210C395K4P	C1210C395K4PACTU	3.9μF	16	10%	1.07	.413	2000	.248
80-C1210C395K3P	C1210C395K3PACTU	3.9μF	25	10%	1.07	.413	2000	.248
80-C1210C475K8P	C1210C475K8PACTU	4.7μF	10	10%	1.65	.68	2000	.264
80-C1210C475K4P	C1210C475K4PACTU	4.7μF	16	10%	1.65	1.07	2000	.264
80-C1210C475K3P	C1210C475K3PACTU	4.7μF	25	10%	1.65	1.17	2000	.264
80-C1210C565K4P	C1210C565K4PACTU	5.6μF	16	10%	2.20	1.43	2500	.352
80-C1210C685K8P	C1210C685K8PACTU	6.8μF	10	10%	2.20	1.43	2000	.50
80-C1210C685K4P	C1210C685K4PACTU	6.8μF	16	10%	2.20	1.43	2000	.352
80-C1210C825K4P	C1210C825K4PACTU	8.2μF	16	10%	2.20	1.43	2000	.44
80-C1210C106K4P	C1210C106K4PACTU	10μF	16	10%	1.40	.91	2,000	.224
80-C1210C106K8P	C1210C106K8PACTU	10μF	10	10%	1.85	1.50	2000	.421
80-C1210C126K8P	C1210C126K8PACTU	12μF	10	10%	1.37	.525	2,000	.315
80-C1210C156K8P	C1210C156K8PACTU	15μF	10	10%	2.20	1.43	2.000	.352
80-C1210C226K8P	C1210C226K8PACTU	22μF	10	10%	1.90	1.24	2,000	.304

KEMET SMD Ceramic Chip Capacitors Open-Mode Design

The Capacitance Company KEMET CHARGED.

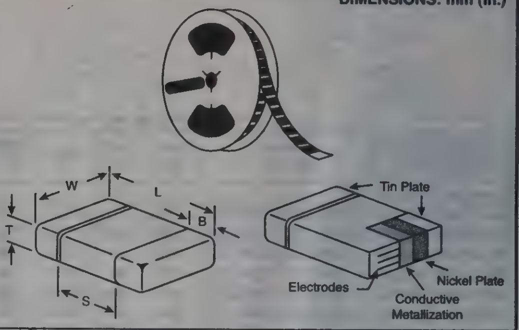
KEMET OPEN MODE DESIGN CAPACITORS

KEMET Open-Mode Ceramic Surface Mount Capacitor is designed to significantly minimize the probability of a low IR or short circuit condition when forced to failure in a board flex situation. This reduces the potential for costly, catastrophic failures. This product is RoHS Compliant.

RoHS Compliant

MOUSER STOCK NO.	Kemet Part No.	Value (µF)	Volt (DC)	Dimension Thickness	Tol.±	Price Each			7" Reel Qty.	Price Per Piece
						1	100	500		
Style 0805 - Temperature Coef. X7R										
80-C0805F103K4R	C0805F103K4RACTU	0.01	16	.90 ± .10	10	.25	.18	.07	4000	.05
80-C0805F103K5R	C0805F103K5RACTU	0.01	50	.90 ± .10	10	.34	.22	.11	4000	.07
80-C0805F103K1R	C0805F103K1RACTU	0.01	100	.90 ± .10	10	.34	.22	.11	4000	.07
80-C0805F103K2R	C0805F103K2RACTU	0.01	200	.90 ± .10	10	.34	.22	.11	4000	.07
80-C0805F123K4R	C0805F123K4RACTU	0.012	16	.90 ± .10	10	.30	.19	.07	4000	.05
80-C0805F123K5R	C0805F123K5RACTU	0.012	50	.90 ± .10	10	.30	.19	.07	4000	.06
80-C0805F123K1R	C0805F123K1RACTU	0.012	100	.90 ± .10	10	.34	.22	.11	4000	.07
80-C0805F153K4R	C0805F153K4RACTU	0.015	16	.90 ± .10	10	.27	.19	.08	4000	.05
80-C0805F153K1R	C0805F153K1RACTU	0.015	100	.90 ± .10	10	.34	.22	.11	4000	.07
80-C0805F183K4R	C0805F183K4RACTU	0.018	16	.90 ± .10	10	.27	.19	.08	4000	.05
80-C0805F183K1R	C0805F183K1RACTU	0.018	100	.90 ± .10	10	.33	.22	.08	4000	.05
80-C0805F223K3R	C0805F223K3RACTU	0.022	25	.90 ± .10	10	.29	.17	.13	4000	.06
80-C0805F223K5R	C0805F223K5RACTU	0.022	50	.90 ± .10	10	.29	.19	.06	2500	.05
80-C0805F223K1R	C0805F223K1RACTU	0.022	100	1.25 ± .15	10	.34	.22	.11	2500	.07
80-C0805F273K4R	C0805F273K4RACTU	0.027	16	.90 ± .10	10	.27	.20	.08	4000	.05
80-C0805F273K1R	C0805F273K1RACTU	0.027	100	1.25 ± .15	10	.34	.22	.09	2500	.06
80-C0805F333K4R	C0805F333K4RACTU	0.033	16	.90 ± .10	10	.29	.21	.09	4000	.05
80-C0805F333K5R	C0805F333K5RACTU	0.033	50	.90 ± .10	10	.34	.22	.11	4000	.07
80-C0805F333K1R	C0805F333K1RACTU	0.033	100	1.25 ± .15	10	.34	.22	.09	2500	.06
80-C0805F393K4R	C0805F393K4RACTU	0.039	16	.90 ± .10	10	.30	.22	.09	4000	.05
80-C0805F393K1R	C0805F393K1RACTU	0.039	100	1.25 ± .15	10	.34	.22	.09	2500	.06
80-C0805F474K3R	C0805F474K3RACTU	0.474	25	.90 ± .10	10	.55	.33	.17	4000	.11
80-C0805F473K5R	C0805F473K5RACTU	0.047	50	.90 ± .10	10	.34	.22	.11	4000	.07
80-C0805F563K4R	C0805F563K4RACTU	0.056	16	.90 ± .10	10	.30	.22	.09	4000	.05
80-C0805F563K5R	C0805F563K5RACTU	0.056	50	.90 ± .10	10	.38	.25	.09	4000	.06
80-C0805F684K4R	C0805F684K4RACTU	0.68	16	.90 ± .10	10	.55	.33	.17	4000	.11
80-C0805F683K5R	C0805F683K5RACTU	0.068	50	1.25 ± .15	10	.43	.28	.11	2500	.08
80-C0805F823K4R	C0805F823K4RACTU	0.082	16	.90 ± .10	10	.41	.29	.12	4000	.07
80-C0805F823K5R	C0805F823K5RACTU	0.082	50	1.25 ± .15	10	.45	.29	.11	2500	.08
80-C0805F104K4R	C0805F104K4RACTU	0.1	16	1.25 ± .15	10	.45	.33	.13	2500	.09
80-C0805F104K3R	C0805F104K3RACTU	0.1	25	1.25 ± .15	10	.50	.33	.13	2500	.80
80-C0805F104K5R	C0805F104K5RACTU	0.1	50	1.25 ± .15	10	.50	.33	.15	2500	.09
80-C0805F124K4R	C0805F124K4RACTU	0.12	16	1.25 ± .15	10	.50	.36	.15	2500	.09
80-C0805F124K3R	C0805F124K3RACTU	0.12	25	1.25 ± .15	10	.61	.37	.28	2500	.14
80-C0805F154K4R	C0805F154K4RACTU	0.15	16	1.25 ± .15	10	.54	.39	.16	2500	.11
80-C0805F154K3R	C0805F154K3RACTU	0.15	25	1.25 ± .15	10	.66	.39	.30	2500	.15
80-C0805F184K4R	C0805F184K4RACTU	0.18	16	1.25 ± .15	10	.59	.42	.17	2500	.11
80-C0805F184K3R	C0805F184K3RACTU	0.18	25	1.25 ± .15	10	.72	.43	.32	2500	.16
80-C0805F224K5R	C0805F224K5RACTU	0.22	50	1.25 ± .15	10	.69	.50	.20	2500	.13
Style 1206 - Temperature Coef. X7R										
80-C1206F183K2R	C1206F183K2RACTU	0.018	200	.90 ± .10	10	.50	.33	.13	4000	.08
80-C1206F473K4R	C1206F473K4RACTU	0.047	16	.90 ± .10	10	.38	.25	.09	4000	.06
80-C1206F473K3R	C1206F473K3RACTU	0.047	25	.90 ± .10	10	.38	.25	.10	4000	.06
80-C1206F473K5R	C1206F473K5RACTU	0.047	50	.90 ± .10	10	.38	.25	.12	4000	.07
80-C1206F473K1R	C1206F473K1RACTU	0.05	100	.90 ± .10	10	.44	.28	.11	4000	.07
80-C1206F563K4R	C1206F563K4RACTU	0.056	16	.90 ± .10	10	.39	.25	.10	4000	.06
80-C1206F563K1R	C1206F563K1RACTU	0.056	100	.90 ± .10	10	.55	.35	.14	4000	.09
80-C1206F683K4R	C1206F683K4RACTU	0.068	16	.90 ± .10	10	.42	.27	.10	4000	.07
80-C1206F683K1R	C1206F683K1RACTU	0.068	100	.90 ± .10	10	.59	.38	.15	4000	.09
80-C1206F105K5R	C1206F105K5RACTU	1.0	50	1.60 ± .20	10	.88	.53	.35	4000	.22
80-C1206F823K1R	C1206F823K1RACTU	0.082	100	.90 ± .10	10	.62	.40	.16	4000	.10
80-C1206F104K4R	C1206F104K4RACTU	0.1	16	.90 ± .10	10	.47	.30	.12	4000	.07
80-C1206F104K3R	C1206F104K3RACTU	0.1	25	.90 ± .10	10	.47	.28	.21	4000	.09
80-C1206F104K5R	C1206F104K5RACTU	0.1	50	.90 ± .10	10	.47	.30	.13	4000	.08
80-C1206F104K1R	C1206F104K1RACTU	0.1	100	.90 ± .10	10	.63	.41	.35	4000	.11
80-C1206F124K4R	C1206F124K4RACTU	0.12	16	.90 ± .10	10	.51	.33	.13	4000	.08
80-C1206F124K1R	C1206F124K1RACTU	0.12	100	.90 ± .10	10	.68	.44	.17	4000	.14
80-C1206F154K1R	C1206F154K1RACTU	0.015	100	1.60 ± .15	10	.69	.45	.17	2000	.12
80-C1206F224K4R	C1206F224K4RACTU	0.22	16	.90 ± .10	10	.83	.54	.21	4000	.13
80-C1206F224K5R	C1206F224K5RACTU	0.22	50	.90 ± .10	10	.88	.57	.26	4000	.16
80-C1206F274K5R	C1206F274K5RACTU	0.27	50	.90 ± .10	10	.88	.57	.22	4000	.14
80-C1206F474K4R	C1206F474K4RACTU	0.47	16	1.60 ± .15	10	1.05	.69	.26	4000	.17
80-C1206F474K3R	C1206F474K3RACTU	0.47	25	1.60 ± .15	10	1.05	.69	.26	4000	.17
80-C1206F105K4R	C1206F105K4RACTU	1.0	16	1.60 ± .15	10	1.24	.81	.31	2000	.22
Style 1210 - Temperature Coef. X7R										
80-C1210F104K5R	C1210F104K5RACTU	0.1	50	.95 ± .10	10	.78	.51	.20	4000	.16
80-C1210F104K1R	C1210F104K1RACTU	0.1	100	.95 ± .10	10	.90	.59	.23	4000	.15
80-C1210F104K2R	C1210F104K2RACTU	0.1	200	1.25 ± .15	10	1.12	.73	.28	2500	.20
80-C1210F224K5R	C1210F224K5RACTU	0.22	50	.95 ± .10	10	1.17	.76	.29	4000	.19
80-C1210F224K1R	C1210F224K1RACTU	0.22	100	1.25 ± .15	10	1.34	.87	.34	2500	.24
80-C1210F334K1R	C1210F334K1RACTU	0.33	100	1.55 ± .15	10	1.95	1.27	.49	2000	.39
80-C1210F474K5R	C1210F474K5RACTU	0.47	50	1.25 ± .15	10	1.75	1.13	.53	4000	.31
80-C1210F474K1R	C1210F474K1RACTU	0.47	100	1.85 ± .20	10	2.24	1.46	.56	2000	.40
80-C1210F684K5R	C1210F684K5RACTU	0.68	50	1.55 ± .15	10	1.75	1.05	.79	2000	.39
80-C1210F105K4R	C1210F105K4RACTU	1.0	16	.95 ± .10	10	1.90	1.23	.47	4000	.30
80-C1210F105K3R	C1210F105K3RACTU	1.0	25	1.55 ± .15	10	1.90	1.23	.47	2000	.34
80-C1210F105K5R	C1210F105K5RACTU	1.00	50	1.85 ± .20	10	1.75	1.05	.79	2000	.39
80-C1210F225K4R	C1210F225K4RACTU	2.20	16	1.85 ± .20	10	1.59	1.03	.40	2000	.29
Style 1812 - Temperature Coef. X7R										
80-C1812F104K5R	C1812F104K5RACTU	0.1	50	1.0 ± .10	10	1.44	1.04	.42	1000	.42
80-C1812F104K1R	C1812F104K1RACTU	0.1	100	1.0 ± .10	10	1.66	1.20	.49	1000	.49
80-C1812F104K2R	C1812F104K2RACTU	0.1	200	1.0 ± .10	10	2.01	1.45	.59	1000	.45
80-C1812F224K2R	C1812F224K2RACTU	0.22	200	1.1 ± .10	10	2.01	1.45	.59	1000	.45
80-C1812F474K3R	C1812F474K3RACTU	0.47	25	1.0 ± .10	10	1.95	1.41	.57	1000	.57
80-C1812F474K5R	C1812F474K5RACTU	0.47	50	1.0 ± .10	10	1.95	1.41	.57	1000	.57
80-C1812F684K1R	C1812F684K1RACTU	0.68	100	1.50 ± .15	10	3.01	2.17	.89	1000	.67
80-C1812F105K3R	C1812F105K3RACTU	1.0	25	1.70 ± .20	10	5.49	3.96	1.62	1000	1.62
80-C1812F105K5R	C1812F105K5RACTU	1.0	50	1.70 ± .20	10	5.49	3.96	1.62	1000	1.62
80-C1812F105K1R	C1812F105K1RACTU	1.0	100	2.00 ± .20	10	6.58	4.75	1.94	1000	1.94

DIMENSIONS: mm (In.)



Style	L	W	B	S
0805	2.0(.079)±.20(.008)	1.25(.049)±0.2(.008)	0.5(.02)±.25(.010)	.75(.030)
1206	3.2(.126)±.20(.008)	1.6(.063)±0.2(.008)	0.5(.02)±.25(.010)	N/A
1210	3.2(.126)±.20(.008)	2.5(.098)±0.2(.008)	0.5(.02)±0.25(.010)	N/A
1812	4.5(.177)±0.3(.012)	3.2(.126)±0.3(.012)	0.6(.024)±0.35(.014)	N/A

Application Note:

- Input side filtering (power plane/bus)
- High current applications (battery line)
- Circuits that cannot be fused to open when short circuits occur due to flex cracks

Features (Exceptions):

- 0805 Thickness target: .9mm (104 Cap Code=1.25mm)
- 1206 Thickness target: .9mm (474 and 105 Cap Code=1.6mm)
- 1210 Thickness target: 100v (474 Cap Code=1.85mm)
  50V, 104 Cap Code=.95mm
  50V, 474 Cap Code=1.25mm
  50V, 684 Cap Code=1.55mm
- 1812 Thickness target: 474 and 104, Cap Code=1mm
  25V and 50V, 105 Cap Code=1.7mm
  100V, 105 Cap Code=2.0mm

Electrical:

- X7R dielectric contains the following requirements based on room temperature (25°C) parameters:
- Operating Range -55°C to 125°C, with no-bias capacitance shift limited to ±15% over that range
- Capacitance and Dissipation Factor(DF) measured at 1kHZ and 1 Vrms with no bias
- DF Limit:2.5%
- Insulation Resistance (IR) measured after 2 minutes at rated voltage
- IR Limit: 1,000 megohm microfarads or 100 gigohm, whichever is less. KEMET's Open-Mode capacitors meet the stringent requirements of the Automotive Electronics Council's AEC-Q200-Rev B.

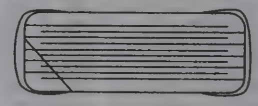
Markets:

- Automotive
  - all applications connected directly to the battery
  - conversions to 42V power system
- Power Conversion
  - raw power input side filtering

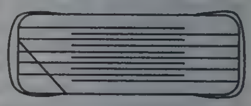
Benefit:

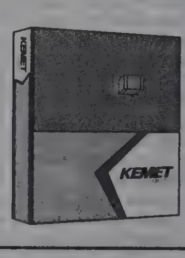
- In a flex-crack situation the part does not fail as a short
  - Tested 500 pcs (5 PNs, 20 batches) without an IR Failure
- Minimizes the potential for a catastrophic failure event

Standard



Fail-Open





KEMET OPEN MODE CERAMIC CAPACITOR ENGINEERING KIT

MOUSER STOCK NO.	Case Size	Qty. per Value	Volt	Values (µF)	Price Each
80-CCKITOPEN	0805	20	25	0.47	50.00
			50	0.01, 0.047, 0.1, 0.22, 0.47	
			100	0.022	
	1206		50	0.22, 1.0	
			100	0.1	
	1210		50	1.	

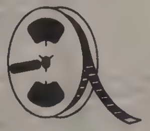
MURATA Low ESL Ceramic Chip Capacitors

RoHS Compliant **This page of product is compliant.**

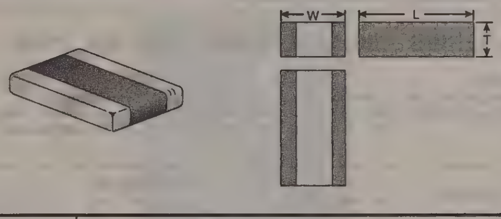
LLL SERIES - STANDARD TWO TERMINAL REVERSED GEOMETRY LOW ESL TYPE

Murata offers a standard profile and low profile low inductance series of capacitors. Murata's Low ESL product line up includes the standard 2 terminal, reversed geometry type, (LLL Series), Eight (8) terminal type (LLA Series) and Ten (10) terminal type (LLM Series). These three series are plated with Ni and Matte Sn, and are RoHS compliant. Murata's Low ESL series provide high capacitance in small case sizes. The Low ESL series is especially ideal for high-speed microprocessors and high frequency digital equipment.

Features:
- Low ESL: 150 to 250pH. Suitable for noise reduction at high frequencies (> 200MHz).
- Operating Temperature: **X7R:** -55°C to 125°C w/ a ±15% cap change over temperature range.
  X7S: -55°C to 125°C w/ a ±22% cap change over temperature range.
  X6S: -55°C-to 105°C w/ a ±22% cap change over temperature range.



RoHS Compliant



Part No.	Dimensions: mm		
	W	L	T
LLL153	1.0 ±0.05	0.5 ±0.05	0.3 ±0.05
LLL185	1.6 ±0.1	0.8 ±0.1	0.6 max.
LLL215	2.0 ±0.1	1.25 ±0.1	0.5 +0/-0.15
LLL216			0.6 ±0.1
LLL219			0.85 ±0.1
LLL315	3.2 ±0.15	1.6 ±0.15	0.5±0.1
LLL317			0.7 ±0.1
LLL31B			1.25 +0.15/-0.05
LLL31M			1.15 ±0.1

MOUSER STOCK NO.	Murata Part No.	Case Size	Type	Temperature Coefficient	Voltage	Value	Price Per Piece				Reel Qty.	Price Per Piece
							1	50	100	500		
81-LLL153C80J104ME1E	LLL153C80J104ME01E	0204	Standard	X6S	6.3V	0.1uF	.07	.059	.054	.052	10000	.033
81-LLL185R71H222M01L	LLL185R71H222MA01L	0306	Standard	X7R	50V	2200pF	.41	.27	.21	.18	4000	.15
81-LLL185R71H472M01L	LLL185R71H472MA01L	0306	Standard	X7R	50V	4700pF	.41	.27	.21	.18	4000	.15
81-LLL185R71C103MA1L	LLL185R71C103MA11L	0306	Low Profile	X7R	16V	0.01uF	.29	.17	.10	.069	4000	.048
81-LLL185R71E103M01L	LLL185R71E103MA01L	0306	Standard	X7R	25V	0.01uF	.43	.29	.22	.147	4000	.101
81-LLL185R71E103M11L	LLL185R71E103MA11L	0306	Low Profile	X7R	25V	0.01uF	.34	.25	.205	.118	4000	.057
81-LLL185R71C223M11L	LLL185R71C223MA11L	0306	Low Profile	X7R	16V	0.022uF	.38	.29	.225	.13	4000	.09
81-LLL185R71E223M01L	LLL185R71E223MA01L	0306	Standard	X7R	25V	0.022uF	.36	.27	.212	.122	4000	.085
81-LLL185R71C473M01L	LLL185R71C473MA01L	0306	Standard	X7R	16V	0.047uF	.37	.29	.223	.129	4000	.089
81-LLL185R71C473M11L	LLL185R71C473MA11L	0306	Low Profile	X7R	16V	0.047uF	.39	.28	.236	.136	4000	.094
81-LLL18R71A104MA01L	LLL185R71A104MA01L	0306	Standard	X7R	10V	0.1uF	.35	.25	.211	.122	4000	.059
81-LLL185R71A104M11L	LLL185R71A104MA11L	0306	Low Profile	X7R	10V	0.1uF	.24	.19	.146	.084	4000	.058
81-LLL185R70J224M01L	LLL185R70J224MA01L	0306	Standard	X7R	6.3V	0.22uF	.14	.10	.083	.048	4000	.023
81-LLL185C70G224M11L	LLL185C70G224MA11L	0306	Low Profile	X7S	4V	0.22uF	.53	.52	.314	.181	4000	.087
81-LLL185C70G474M01L	LLL185C70G474MA01L	0306	Standard	X7S	4V	0.47uF	.54	.41	.319	.184	4000	.088
81-LLL185C70G105M01L	LLL185C70G105ME01L	0306	Standard	X7S	4V	1.0uF	.38	.27	.227	.131	4000	.091
81-LLL185C70G225ME1L	LLL185C70G225ME01L	0306	Standard	X7S	4V	2.2uF	.12	.092	.084	.082	4000	.072
81-LLL215R71H222MA1L	LLL215R71H222MA11L	0508	Low Profile	X7R	50V	2,200pF	.42	.25	.14	.087	4000	.081
81-LLL216R71H472M01L	LLL216R71H472MA01L	0508	Standard	X7R	50V	4,700pF	.40	.27	.21	.138	4000	.095
81-LLL215R71H103M11L	LLL215R71H103MA11L	0508	Low Profile	X7R	50V	0.01uF	.54	.45	.323	.186	4000	.09
81-LLL216R71H103M01L	LLL216R71H103MA01L	0508	Standard	X7R	50V	0.01uF	.27	.22	.161	.093	4000	.045
81-LLL215R71E223M11L	LLL215R71E223MA11L	0508	Low Profile	X7R	25V	0.022uF	.41	.33	.243	.14	4000	.097
81-LLL216R71H223M01L	LLL216R71H223MA01L	0508	Standard	X7R	50V	0.022uF	.40	.33	.236	.136	4000	.094
81-LLL215R71C473M11L	LLL215R71C473MA11L	0508	Low Profile	X7R	16V	0.047uF	.52	.39	.30	.178	4000	.086
81-LLL216R71E473M01L	LLL216R71E473MA01L	0508	Standard	X7R	25V	0.047uF	.45	.36	.27	.156	4000	.108
81-LLL215R71C104M11L	LLL215R71C104MA11L	0508	Low Profile	X7R	16V	0.1uF	.38	.27	.224	.129	4000	.089
81-LLL216R71E104MA1L	LLL216R71E104MA01L	0508	Standard	X7R	25V	0.1uF	.32	.25	.189	.109	4000	.075
81-LLL215R71A224M11L	LLL215R71A224MA11L	0508	Low Profile	X7R	10V	0.22uF	.46	.33	.275	.159	4000	.11
81-LLL216R71A224M01L	LLL216R71A224MA01L	0508	Standard	X7R	10V	0.22uF	.45	.33	.271	.156	4000	.108
81-LLL215R70J474M11L	LLL215R70J474MA11L	0508	Low Profile	X7R	6.3V	0.47uF	.51	.45	.302	.174	4000	.121
81-LLL219R71A474M01L	LLL219R71A474MA01L	0508	Standard	X7R	10V	0.47uF	.51	.39	.302	.174	4000	.084
81-LLL219R70J105M01L	LLL219R70J105MA01L	0508	Standard	X7R	6.3V	1.0uF	.35	.25	.211	.121	4000	.059
81-LLL215C70G105M11L	LLL215C70G105MA11L	0508	Low Profile	X7S	4V	1.0uF	.54	.49	.319	.184	4000	.088
81-LLL219C70G225M01L	LLL219C70G225MA01L	0508	Standard	X7S	4V	2.2uF	.83	.55	.493	.284	4000	.137
81-LLL315R71H103M11L	LLL315R71H103MA11L	0612	Low Profile	X7R	50V	0.01uF	.52	.44	.308	.177	4000	.085
81-LLL317R71H103M01L	LLL317R71H103MA01L	0612	Standard	X7R	50V	0.01uF	.44	.33	.26	.15	4000	.104
81-LLL315R71H223M11L	LLL315R71H223MA11L	0612	Low Profile	X7R	50V	0.022uF	.54	.43	.324	.187	4000	.09
81-LLL317R71H223M01L	LLL317R71H223MA01L	0612	Standard	X7R	50V	0.022uF	.45	.33	.271	.156	4000	.108
81-LLL315R71E473MA11	LLL315R71E473MA11L	0612	Low Profile	X7R	25V	0.047uF	.44	.17	.16	.13	4000	.105
81-LLL317R71H473M01L	LLL317R71H473MA01L	0612	Standard	X7R	50V	0.047uF	.47	.35	.279	.161	4000	.077
81-LLL315R71E104M11L	LLL315R71E104MA11L	0612	Low Profile	X7R	25V	0.1uF	.46	.35	.272	.157	4000	.075
81-LLL317R71E104M01L	LLL317R71E104MA01L	0612	Standard	X7R	25V	0.1uF	.36	.26	.215	.124	3000	.086
81-LLL31MR71H104M01L	LLL31MR71H104MA01L	0612	Standard	X7R	50V	0.1uF	.50	.35	.298	.172	3000	.083
81-LLL315R71C224M11L	LLL315R71C224MA11L	0612	Low Profile	X7R	16V	0.22uF	.62	.45	.366	.211	4000	.102
81-LLL317R71C224M01L	LLL317R71C224MA01L	0612	Standard	X7R	16V	0.22uF	.50	.33	.25	.22	3000	.056
81-LLL31MR71E224M01L	LLL31MR71E224MA01L	0612	Standard	X7R	25V	0.22uF	.44	.34	.263	.152	3000	.073
81-LLL315R71A474M11L	LLL315R71A474MA11L	0612	Low Profile	X7R	10V	0.47uF	.29	.22	.172	.099	4000	.048
81-LLL317R71C474M01L	LLL317R71C474MA01L	0612	Standard	X7R	16V	0.47uF	.49	.35	.293	.169	3000	.081
81-LLL31MR71E474M01L	LLL31MR71E474MA01L	0612	Standard	X7R	25V	0.47uF	.56	.41	.334	.193	3000	.093
81-LLL317R71A105M01L	LLL317R71A105MA01L	0612	Standard	X7R	10V	1.0uF	.30	.25	.177	.102	3000	.049
81-LLL31MR71C105M01L	LLL31MR71C105MA01L	0612	Standard	X7R	16V	1.0uF	.48	.39	.287	.165	3000	.079
81-LLL317R70J225MA1L	LLL317R70J225MA01L	0612	Standard	X7R	6.3V	2.2uF	.24	.19	.17	.164	4000	.125
81-LLL31MR71A225M01L	LLL31MR71A225MA01L	0612	Standard	X7R	10V	2.2uF	.66	.45	.395	.227	3000	.109
81-LLL31MR70J475M01L	LLL31MR70J475MA01L	0612	Standard	X7R	6.3V	4.7uF	.91	.65	.542	.312	3000	.15
81-LLL31BC70G106M01L	LLL31BC70G106MA01L	0612	Standard	X7R	4V	10uF	.99	.75	.65	.37	3000	.26

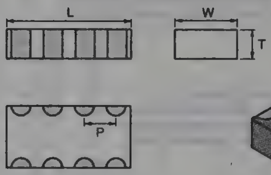
MURATA Low ESL Ceramic Chip Capacitors

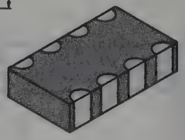
RoHS Compliant **This page of product is compliant.**

Murata offers a standard profile and low profile low inductance series of capacitors. Murata's Low ESL product line up includes the standard 2 terminal, reversed geometry type, (LLL Series), Eight (8) terminal type (LLA Series) and Ten (10) terminal type (LLM Series). These three series are plated with Ni and Matte Sn, and are RoHS compliant. Murata's Low ESL series provide high capacitance in small case sizes. The Low ESL series is especially ideal for high-speed microprocessors and high frequency digital equipment.

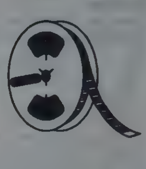
LLA SERIES - EIGHT TERMINAL LOW ESL TYPE

Features:
- Low ESL: 80 to 120pH. Suitable for high speed (800MHz to 4GHz) IC decoupling.
- Operating Temperature: **X7R:** -55°C to 125°C w/ a ±15% cap change over temperature range.
  X7S: -55°C to 125°C w/ a ±22% cap change over temperature range.





RoHS Compliant

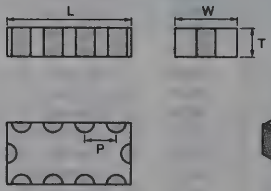


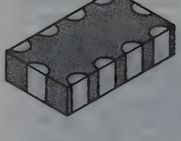
Part No.	Dimensions: mm			
	L	W	T	P
LLA185	1.6±0.1	0.8±0.1	0.5 +0.05/-0.1	0.4±0.1
LLA215	2.0±0.1	1.25±0.1	0.5 +0.05/-0.1	0.5±0.05
LLA219			0.85±0.1	0.5±0.05
LLA315	3.2±0.15	1.6±0.15	0.5 +0.05/-0.1	0.8±0.1
LLA319			0.85±0.1	0.8±0.1
LLA31M			1.15±0.1	0.8±0.1

MOUSER STOCK NO.	Murata Part No.	Case Size	Type	Temperature Coefficient	Voltage	Value	Price Per Piece				Reel Qty.	Price Per Piece
							1	50	100	500		
81-LLA185C70G104MA1L	LLA185C70G104MA01L	0603	Standard	X7S	4V	0.1uF	.14	.11	.096	.087	4000	.076
81-LLA185C70G224MA1L	LLA185C70G224MA01L	0603	Standard	X7S	4V	0.22uF	.12	.094	.085	.077	4000	.067
81-LLA185C70G474MA1L	LLA185C70G474MA01L	0603	Standard	X7S	4V	0.47uF	.16	.13	.12	.11	4000	.092
81-LLA185C70G105ME1L	LLA185C70G105ME01L	0603	Standard	X7S	4V	1.0uF	.49	.36	.29	.097	4000	.082
81-LLA185C70G225ME6L	LLA185C70G225ME16L	0603	Standard	X7S	4V	2.2uF	.18	.14	.13	.12	4000	.10
81-LLA215R71E103MA4L	LLA215R71E103MA14L	0805	Low Profile	X7R	25V	0.01uF	.39	.23	.13	.075	4000	.064
81-LLA219R71E103MA1L	LLA219R71E103MA01L	0805	Standard	X7R	25V	0.01uF	.16	.13	.12	.11	4000	.092
81-LLA215R71E223MA4L	LLA215R71E223MA14L	0805	Low Profile	X7R	25V	0.022uF	.14	.11	.099	.095	4000	.077
81-LLA219R71E223MA1L	LLA219R71E223MA01L	0805	Standard	X7R	25V	0.022uF	.18	.14	.13	.12	4000	.10
81-LLA215R71C473MA4L	LLA215R71C473MA14L	0805	Low Profile	X7R	16V	0.047uF	.18	.14	.13	.12	4000	.106
81-LLA219R71E473MA1L	LLA219R71E473MA01L	0805	Standard	X7R	25V	0.047uF	.18	.14	.13	.12	4000	.099
81-LLA215R71C104MA4L	LLA215R71C104MA14L	0805	Low Profile	X7R	16V	0.1uF	.11	.089	.081	.074	4000	.07
81-LLA21R71C104MA01L	LLA219R71C104MA01L	0805	Standard	X7R	16V	0.1uF	.48	.33	.283	.163	4000	.112
81-LLA215R71A224MA4L	LLA215R71A224MA14L	0805	Low Profile	X7R	10V	0.22uF	.40	.094	.085	.077	4000	.066
81-LLA219R71C224MA1L	LLA219R71C224MA01L	0805	Standard	X7R	16V	0.22uF	.24	.19	.17	.15	4000	.127
81-LLA215R70J474MA14	LLA215R70J474MA14L	0805	Low Profile	X7R	6.3V	0.47uF	.24	.23	.21	.145	4000	.075
81-LLA219R71A474MA1L	LLA219R71A474MA01L	0805	Standard	X7R	10V	0.47uF	.19	.15	.14	.13	4000	.11
81-LLA219R70J105MA01	LLA219R70J105MA01L	0805	Standard	X7R	6.3V	1.0uF	.33	.31	.266	.153	4000	.074
81-LLA215C70G105MA4L	LLA215C70G105MA14L	0805	Low Profile	X7S	4V	1.0uF	.16	.13	.12	.11	4000	.097
81-LLA215C70G225ME1L	LLA215C70G225ME11L	0805	Low Profile	X7S	4V	2.2uF	.19	.15	.14	.13	4000	.11
81-LLA219C70G225M	LLA219C70G225MA01L	0805	Standard	X7S	4V	2.2uF	0.6	.58	.447	.258	4000	.124
81-LLA215C70G475ME9L	LLA215C70G475ME19L	0805	Low Profile	X7S	4V	4.7uF	.33	.26	.24	.22	4000	.19
81-LLA219C70G475ME1L	LLA219C70G475ME01L	0805	Standard	X7S	4V	4.7uF	.28	.22	.20	.18	4000	.158
81-LLA315R71C104MA4L	LLA315R71C104MA14L	1206	Low Profile	X7R	16V	0.1uF	.16	.13	.12	.11	4000	.092
81-LLA319R71C104MA1L	LLA319R71C104MA01L	1206	Standard	X7R	16V	0.1uF	.16	.13	.12	.11	3000	.092
81-LLA315R71C224MA4L	LLA315R71C224MA14L	1206	Low Profile	X7R	16V	0.22uF	.19	.15	.14	.13	4000	.11
81-LLA319R71C224MA01	LLA319R71C224MA01L	1206	Standard	X7R	16V	0.22uF	.54	.47	.40	.288	3000	.139
81-LLA315R71A474MA4L	LLA315R71A474MA14L	1206	Low Profile	X7R	10V	0.47uF	.25	.23	.21	.168	4000	.138
81-LLA319R71C474MA1L	LLA319R71C474MA01L	1206	Standard	X7R	16V	0.47uF	.25	.23	.21	.178	3000	.134
81-LLA315R70J105MA14	LLA315R70J105MA14L	1206	Low Profile	X7R	6.3V	1.0uF	.44	.38	.33	.241	4000	.134
81-LLA319R71A105MA01	LLA319R71A105MA01L	1206	Standard	X7R	10V	1.0uF	.41	.36	.30	.25	3000	.128
81-LLA319R70G225MA1L	LLA319R70G225MA01L	1206	Standard	X7R	4V	2.2uF	.28	.22	.20	.18	3000	.157
81-LLA315R70J225MA4L	LLA315R70J225MA14L	1206	Low Profile	X7R	6.3V	2.2uF	0.3	.24	.22	.20	4000	.165
81-LLA31MR71A225MA1L	LLA31MR71A225MA01L	1206	Standard	X7R	10V	2.2uF	.29	.23	.21	.19	3000	.151

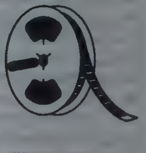
LLM SERIES - TEN TERMINAL LOW ESL TYPE

Features:
- Low ESL: 35 to 45pH. Suitable for high speed (1GHz to 4GHz) IC decoupling.
- Operating Temperature: **X7R:** -55°C to 125°C w/ a ±15% cap change over temperature range.
  X7S: -55°C to 125°C w/ a ±22% cap change over temperature range.





RoHS Compliant



Part No.	Dimensions: mm			
	L	W	T	P
LLM215	2.0±0.1	1.25±0.1	0.5 +0.05/-0.1	0.5±0.05
LLM315	3.2±0.15	1.6±0.15	0.5 +0.05/-0.1	0.8±0.1

MOUSER STOCK NO.	Murata Part No.	Case Size	Type	Temperature Coefficient	Voltage	Value	Price Per Piece				Reel Qty.	Price Per Piece
							1	50	100	500		
81-LLM215R71E103MA1L	LLM215R71E103MA11L	0805	Low Profile	X7R	25V	0.01uF	1.49	1.00	.58	.382	4000	.206
81-LLM215R71E223MA1L	LLM215R71E223MA11L	0805	Low Profile	X7R	25V	0.022uF	.74	.46	.27	.175	4000	.094
81-LLM215R71C333MA1L	LLM215R71C333MA11L	0805	Low Profile	X7R	16V	0.033uF	.76	.44	.26	.18	4000	.105
81-LLM215R71C473MA1L	LLM215R71C473MA11L	0805	Low Profile	X7R	16V	0.047uF	.82	.51	.30	.195	4000	.105
81-LLM215R71C104MA1L	LLM215R71C104MA11L	0805	Low Profile	X7R	16V	0.1uF	.86	.50	.29	.20	4000	.14
81-LLM215R70J224MA1L	LLM215R70J224MA11L	0805	Low Profile	X7R	6.3V	0.22uF	1.00	.63	.36	.238	4000	.128
81-LLM215R70J474MA1L	LLM215R70J474MA11L	0805	Low Profile	X7R	6.3V	0.47uF	.68	.40	.23	.18	4000	.106
81-LLM215C70G105MA1L	LLM215C70G105MA11L	0805	Low Profile	X7S	4V	1.0uF	.97	.57	.33	.23	4000	.159
81-LLM215C70G225ME1L	LLM215C70G225ME11L	0805	Low Profile	X7S	4V	2.2uF	.99	.62	.36	.25	4000	.144
81-LLM315R71C104MA1L	LLM315R71C104MA11L	1206	Low Profile	X7R	16V	0.1uF	1.02	.63	.37	.241	4000	.13
81-LLM315R71C224MA1L	LLM315R71C224MA11L	1206	Low Profile	X7R	16V	0.22uF	.99	.75	.44	.286	4000	.154
81-LLM315R71A474MA1L	LLM315R71A474MA11L	1206	Low Profile	X7R	10V	0.47uF	.99	.77	.45	.294	4000	.158
81-LLM315R70J225MA1L	LLM315R70J225MA11L	1206	Low Profile	X7R	6.3V	2.2uF	1.06	.62	.36	.25	4000	.24

Automotive Capacitors for Power Train/Safety Applications

muRata
Innovator in Electronics

RoHS Compliant **This page of product is compliant.**

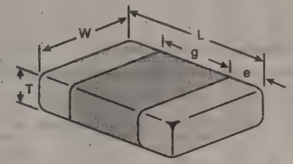
GCM SERIES

Modern vehicle design is driven by the need for increased comfort, safety and security. As a result, automobiles are becoming intelligent and increasingly reliant upon electronics. In the automotive sector, Murata's products are used in communication, safety, information, and power train systems, just to name a few. The acceptance of Murata's capacitor products in these applications is based upon the core competencies of Murata – ceramic material and processing technology. Murata's GCM series is designed for the more rigorous demands of safety, under-hood, and power train systems. The GCM series is designed specifically to meet the test conditions of the AEC-Q200.

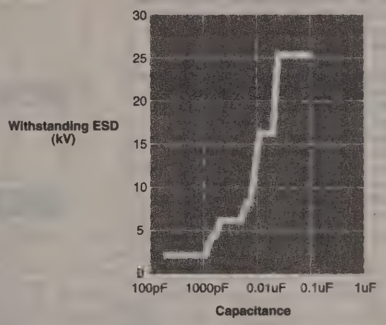
RoHS Compliant

Features:

- Meets AEC-Q200 requirements
- GCM15 and 32 types are suited for only reflow soldering.
- GCM18, 21, and 31 types are suited for flow and reflow soldering.
- GCM Series is offered with a nickel (Ni) barrier termination finished with matte tin (Sn) plating.
- Available in paper or embossed tape and reel packaging for automatic placement.
- The GCM Series is RoHS compliant.

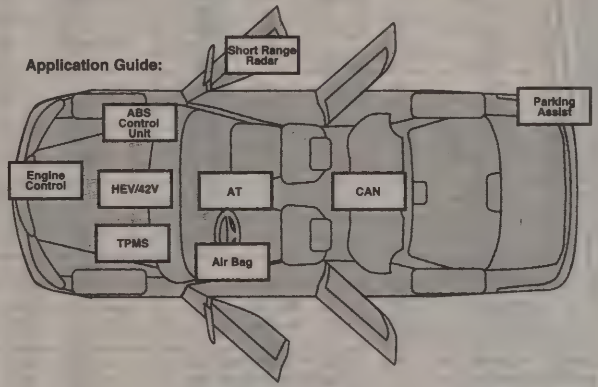


ESD level based on AEC-Q200 test method
[GCM18(0603)/X7R]



Part No.	Dimensions: mm				
	L	W	T	e (Min.)	g (Min.)
GCM155	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.3	0.4
GCM188	1.6±0.1	0.8±0.1	0.8±0.1	0.2 to 0.5	0.5
GCM219	2.0±0.15	1.25±0.15	0.85±0.1	0.2 to 0.7	0.7
GCM21B			1.25±0.15		
GCM319	3.2±0.15	1.6±0.15	0.85±0.1	0.3 to 0.8	1.5
GCM31M			1.15±0.1		
GCM31C	3.2±0.2	1.6±0.2	1.6±0.2	0.3 to 0.8	1.5
GCM32E	3.2±03	2.5±0.2	2.5±0.2	0.3	1.0

Application Guide:



Temperature Characteristics				
Code	Temperature Coefficient	Temperature Range	Capacitance Change	Operating Temperature Range
5C	C0G	25° to 125°C	0 ±30ppm/°C	-55°C to +125°C
R7	X7R	-55°C to +125°C	±15%	-55°C to +125°C

For quantities of 1000 and up, call for quote.

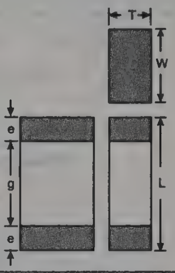
MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Temerature Coefficient	Case Size	Tolerance	Price Each			
							1	50	100	500
81-GCM1555C1H1R0CZ3D	GCM1555C1H1R0CZ13D	1.0	50	C0G	0402	±.25pF	.07	.05	.033	.019
81-GCM1555C1H100JZ3D	GCM1555C1H100JZ13D	10	50	C0G	0402	5%	.07	.05	.033	.019
81-GCM1555C1H101JZ3D	GCM1555C1H101JZ13D	100	50	C0G	0402	5%	.07	.048	.035	.02
81-GCM1555C1H471JA6D	GCM1555C1H471JA16D	470	50	C0G	0402	5%	.07	.05	.03	.017
81-GCM155R71H102KA7D	GCM155R71H102KA37D	1000	50	X7R	0402	10%	.05	.028	.016	.009
81-GCM155R72A102KA7D	GCM155R72A102KA37D	1000	100	X7R	0402	10%	.05	.03	.022	.012
81-GCM155R72A472KA7D	GCM155R72A472KA37D	4700	100	X7R	0402	10%	.05	.03	.017	.01
81-GCM155R71H103KA5D	GCM155R71H103KA55D	0.01uF	50	X7R	0402	10%	.05	.02	.016	.009
81-GCM155R71H223KA5D	GCM155R71H223KA55D	0.022uF	50	X7R	0402	10%	.06	.04	.026	.015
81-GCM155R71E473KA5D	GCM155R71E473KA55D	0.047uF	25	X7R	0402	10%	.07	.05	.03	.017
81-GCM155R71C104KA5D	GCM155R71C104KA55D	0.1uF	16	X7R	0402	10%	.07	.04	.024	.017
81-GCM1885C1H1R0CZ3D	GCM1885C1H1R0CZ13D	1.0	50	C0G	0603	±.25pF	.12	.10	.071	.041
81-GCM1885C2A1R0CZ3D	GCM1885C2A1R0CZ13D	1.0	100	C0G	0603	±.25pF	.18	.089	.074	.07
81-GCM1885C1H100JA6D	GCM1885C1H100JA16D	10	50	C0G	0603	5%	.07	.048	.031	.018
81-GCM1885C2A100JA6D	GCM1885C2A100JA16D	10	100	C0G	0603	5%	.07	.06	.039	.022
81-GCM1885C1H101JA6D	GCM1885C1H101JA16D	100	50	C0G	0603	5%	.07	.05	.033	.019
81-GCM1885C2A101JA6D	GCM1885C2A101JA16D	100	100	C0G	0603	5%	.07	.024	.02	.019
81-GCM1885C1H102JA6D	GCM1885C1H102JA16D	1000	50	C0G	0603	5%	.10	.048	.04	.032
81-GCM1885C2A102JA6D	GCM1885C2A102JA16D	1000	100	C0G	0603	5%	.11	.055	.046	.043
81-GCM188R71H102KA7D	GCM188R71H102KA37D	1000	50	X7R	0603	10%	.05	.035	.022	.012
81-GCM188R72A102KA7D	GCM188R72A102KA37D	1000	100	X7R	0603	10%	.10	.048	.04	.037
81-GCM188R71H103KA7D	GCM188R71H103KA37D	0.01uF	50	X7R	0603	10%	.05	.035	.022	.012
81-GCM188R72A103KA7D	GCM188R72A103KA37D	0.01uF	100	X7R	0603	10%	.07	.05	.031	.018
81-GCM188R72A223KA7D	GCM188R72A223KA37D	0.022uF	100	X7R	0603	10%	.08	.07	.046	.027
81-GCM188R71C104KA7D	GCM188R71C104KA37D	0.1uF	16	X7R	0603	10%	.06	.019	.016	.015
81-GCM188R71H104KA7D	GCM188R71H104KA57D	0.1uF	50	X7R	0603	10%	.08	.07	.037	.021
81-GCM188R71C474KA5D	GCM188R71C474KA55D	0.47uF	16	X7R	0603	10%	.10	.048	.04	.037
81-GCM188R71E474KA4D	GCM188R71E474KA64D	0.47uF	25	X7R	0603	10%	.14	.12	.08	.048
81-GCM2195C2A152JA6D	GCM2195C2A152JA16D	1500	100	C0G	0805	5%	.16	.14	.095	.055
81-GCM2195C1H103JA6D	GCM2195C1H103JA16D	0.01uF	50	C0G	0805	5%	.42	.25	.14	.087
81-GCM21BR72A104KA7L	GCM21BR72A104KA37L	0.1uF	100	X7R	0805	10%	.14	.07	.055	.054
81-GCM21BR71H474KA5L	GCM21BR71H474KA55L	0.47uF	50	X7R	0805	10%	.36	.28	.21	.12
81-GCM21BR71E105KA6L	GCM21BR71E105KA56L	1uF	25	X7R	0805	10%	.16	.08	.067	.063
81-GCM21BR71C225KA4L	GCM21BR71C225KA64L	2.2uF	16	X7R	0805	10%	.36	.25	.21	.12
81-GCM21BR71E225KA3L	GCM21BR71E225KA73L	2.2uF	25	X7R	0805	10%	.34	.17	.14	.13
81-GCM3195C2A562JA6D	GCM3195C2A562JA16D	5600	100	C0G	1206	5%	.58	.29	.24	.226
81-GCM3195C1H223JA6D	GCM3195C1H223JA16D	0.022uF	50	C0G	1206	5%	.48	.24	.20	.19
81-GCM31MR71H105KA5L	GCM31MR71H105KA55L	1uF	50	X7R	1206	10%	.42	.17	.14	.13
81-GCM31CR71H225KA5L	GCM31CR71H225KA55L	2.2uF	50	X7R	1206	10%	.40	.20	.17	.16
81-GCM31CR71E475KA5L	GCM31CR71E475KA55L	4.7uF	25	X7R	1206	10%	.52	.26	.22	.20
81-GCM31CR71A106KA4L	GCM31CR71A106KA64L	10uF	10	X7R	1206	10%	.58	.29	.24	.226
81-GCM31CR71C106KA4L	GCM31CR71C106KA64L	10uF	16	X7R	1206	10%	.82	.41	.34	.32
81-GCM32ER71H475KA5L	GCM32ER71H475KA55L	4.7uF	50	X7R	1210	10%	2.14	1.07	.89	.74
81-GCM32ER71E106KA7L	GCM32ER71E106KA57L	10uF	25	X7R	1210	10%	1.40	.70	.58	.48
81-GCM32ER71A226KE2L	GCM32ER71A226KE12L	22uF	10	X7R	1210	10%	2.16	1.08	.90	.75

MURATA Hi-Cap Multilayer Ceramic Chip Capacitors

RoHS Compliant **This page of product is compliant.**

Hi-Cap: The Murata Hi-Cap, Tantalum replacement product lineup is available in X7R, X6S, X7S, and X5R with capacitance of 1μF and larger. This line of high volumetric capacitance ceramic chip capacitors is available in 4V, 6.3V, 10V, 16V, 25V, and 50V. This product series (GRM) is offered with a Nickel (Ni) barrier termination plated with Tin (Sn), and is RoHS compliant. Stringent dimensional tolerances allow highly reliable, high-speed automatic chip placement on PCBs.

Why use ceramic chips over Tantalum and Aluminum capacitors? Ceramic chips offer better reliability, performance, no polarity, and allow design engineers to downsize designs with various package options from 0402 X5R 1μF to 1210 X5R and X6S 100μF. This line of high volumetric multilayer capacitance ceramic chip capacitors (MLCC) has excellent high frequency noise absorption performance compared to Tantalum and Aluminum caps. For bypass/decoupling applications, MLCC is equivalent to 1/2 to 1/5 the capacitance value of a Tantalum capacitor because impedance (ESR) of MLCC is lower at higher frequencies, above 100kHz. Consider Murata Hi-Cap as your Tantalum capacitor replacement.



Part No.	DIMENSIONS: mm				
	L	W	T	e Min.	g Min.
GRM155	1.0±0.05	0.5+0.05	0.5±0.05	0.15 to 0.35	0.3
GRM188	1.6±0.1	0.8±0.1	0.8±0.1	0.2 to 0.5	0.5
GRM219	2.0±0.1	1.25±0.1	0.85±0.1	0.2 to 0.7	0.7
GRM21B			1.25±0.1		
GRM319	3.2±0.15	1.6±0.15	0.85±0.1	0.3 to 0.8	1.5
GRM31M			1.15±0.1		
GRM31C	3.2±0.2	1.6±0.2	1.6±0.2		
GRM32C	3.2±0.3	2.5±0.2	1.6±0.2	0.3	1.0
GRM32D			2.0±0.2		
GRM32E			2.5±0.2		
GRM32M	3.2±0.3	2.5±0.2	1.15±0.1	0.3	1.0
GRM32N			1.35±0.15		
GRM32R			1.8±0.2		
GRM43E	4.5±0.4	3.2±0.3	2.5±0.2	0.3	2.0
GRM43S			2.8±0.2		
GRM55E	5.7±0.4	5.0±0.4	2.5±0.2	0.3	2.0
GRM55R			1.8±0.2		

Recommended Capacitance of MLCC for Tantalum Cap. Replacement

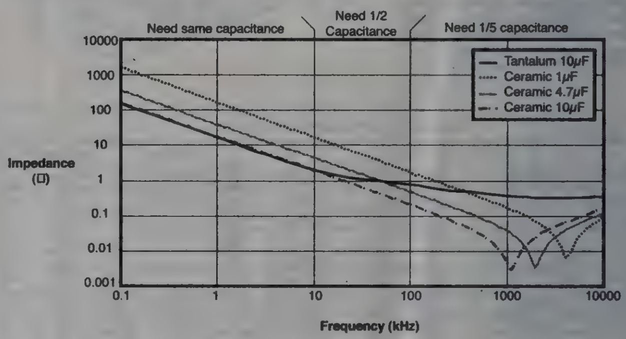
Depending on the operating frequency, MLCC is equivalent to 1/2 to 1/10 Capacitance value of Tantalum Cap. Because impedance (ESR) of MLCC is lower than Tantalum Cap. Refer to the impedance curve graph below.

Tantalum Cap.	MLCC Recommended Cap.
1μF	0.1 to 0.47μF
2.2μF	0.22 to 1μF
4.7μF	0.47 to 2.2μF
10μF	1 to 4.7μF
22μF	2.2 to 10μF
47μF	4.7 to 22μF
100μF	10 to 47μF
220μF	22 to 100μF

RoHS Compliant

Impedance Curve of MLCC

It is important that capacitor's impedance is lower at ripple noise frequency.



0402 CASE SIZE

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Temperature Coefficient	Price Each				Reel Qty.	Price per Piece
						1	50	100	500		
81-GRM155R60J105KE19	GRM155R60J105KE19D	1.0	6.3	10%	X5R	.19	.15	.116	.067	10000	.032
81-GRM155R61A105KE15	GRM155R61A105KE15D	1.0	10	10%	X5R	.09	.08	.046	.026	10000	.013
81-GRM155F50J105ZE01	GRM155F50J105ZE01D	1.0	6.3	+80% -20%	Y5V	.10	.07	.05	.035	10000	.015

0603 CASE SIZE

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Temperature Coefficient	1	50	100	500	Reel Qty.	Price per Piece
81-GRM188R70J105KA01	GRM188R70J105KA01D	1.0	6.3	10%	X7R	.28	.16	.095	.085	4000	.046
81-GRM188R71A105KA61	GRM188R71A105KA61D	1.0	10	10%	X7R	.31	.26	.18	.106	4000	.052
81-GRM188R71C105KA12	GRM188R71C105KA12D	1.0	16	10%	X7R	.31	.26	.18	.106	4000	.052
81-GRM185R60J105KE21	GRM185R60J105KE21D	1.0	6.3	10%	X5R	.26	.18	.15	.123	4000	.084
81-GRM39R105K6.3	GRM188R60J105KA01D	1.0	6.3	10%	X5R	.13	.10	.077	.044	4000	.021
81-GRM185R61A105KE36	GRM185R61A105KE36D	1.0	10	10%	X5R	.26	.18	.15	.089	4000	.043
81-GRM39R105K10	GRM188R61A105KA61D	1.0	10	10%	X5R	.18	.13	.106	.061	4000	.029
81-GRM185R61C105KE44	GRM185R61C105KE44D	1.0	16	10%	X5R	.24	.16	.12	.093	4000	.045
81-GRM39R105K16	GRM188R61C105KA93D	1.0	16	10%	X5R	.15	.13	.09	.052	4000	.025
81-GRM188R61E105KA12	GRM188R61E105KA12D	1.0	25	10%	X5R	.18	.13	.109	.063	4000	.03
81-GRM39Y105Z10D	GRM188F51A105ZA01D	1.0	10	+80% -20%	Y5V	.08	.06	.04	.025	4000	.012
81-GRM188F51C105ZA01	GRM188F51C105ZA01D	1.0	16	+80% -20%	Y5V	.08	.06	.04	.025	4000	.012
81-GRM188F51E105ZA12	GRM188F51E105ZA12D	1.0	25	+80% -20%	Y5V	.08	.07	.045	.026	4000	.012
81-GRM188R71A225KE15	GRM188R71A225KE15D	2.2	10	10%	X7R	.22	.14	.11	.087	4000	.039
81-GRM185R60J225KE26	GRM185R60J225KE26D	2.2	6.3	10%	X5R	.30	.22	.179	.103	4000	.049
81-GRM18R60J225KE19D	GRM188R60J225KE19D	2.2	6.3	10%	X5R	.33	.24	.20	.159	4000	.078
81-GRM188R60J225KE01	GRM188R60J225KE01D	2.2	6.3	10%	X5R	.40	.29	.24	.139	4000	.096
81-GRM188R61A225KE34	GRM188R61A225KE34D	2.2	10	10%	X5R	.33	.24	.198	.114	4000	.054
81-GRM188R61C225KE15	GRM188R61C225KE15D	2.2	16	10%	X5R	.37	.25	.21	.127	4000	.088
81-GRM18F50J225ZE01D	GRM188F50J225ZE01D	2.2	6.3	+80% -20%	Y5V	.17	.12	.099	.057	4000	.027
81-GRM188F51A225ZE01	GRM188F51A225ZE01D	2.2	10	+80% -20%	Y5V	.17	.12	.099	.057	4000	.027
81-GRM18R60J475KE19D	GRM188R60J475KE19D	4.7	6.3	10%	X5R	.61	.44	.36	.21	4000	.10
81-GRM188F50J475ZE20	GRM188F50J475ZE20D	4.7	6.3	+80% -20%	Y5V	.17	.11	.085	.063	4000	.03
81-GRM188F51A475ZE20	GRM188F51A475ZE20D	4.7	10	+80% -20%	Y5V	.18	.13	.109	.063	4000	.03
81-GRM188R60G106ME47	GRM188R60G106ME47D	10	4	20%	X5R	.86	.56	.43	.405	4000	.203
81-GRM188R60J106ME47	GRM188R60J106ME47D	10	6.3	20%	X5R	.76	.56	.43	.26	4000	.125

0805 CASE SIZE

MOUSER STOCK NO.	Murata Part No.	Value (μF)	Volt (DC)	Tol.±	Temperature Coefficient	1	50	100	500	Reel Qty.	Price per Piece
81-GRM40X105K10L	GRM21BR71A105KA01L	1.0	10	10%	X7R	.25	.18	.148	.085	3000	.041
81-GRM40X105K16K	GRM21BR71C105KA01K	1.0	16	10%	X7R	.25	.18	.15	.131	10000	.055
81-GRM40X105K16L	GRM21BR71C105KA01L	1.0	16	10%	X7R	.25	.18	.148	.085	3000	.041
81-GRM21BR71E105KA99	GRM21BR71E105KA99L	1.0	25	10%	X7R	.25	.18	.15	.13	3000	.058
81-GRM21F51C105ZA01D	GRM219F51C105ZA01D	1.0	16	+80% -20%	Y5V	.11	.08	.06	.037	4000	.018
81-GRM40Y105Z16L	GRM21BF51C105ZA01L	1.0	16	+80% -20%	Y5V	.11	.08	.06	.05	3000	.029
81-GRM21F51E105ZA01D	GRM219F51E105ZA01D	1.0	25	+80% -20%	Y5V	.11	.08	.067	.038	4000	.018
81-GRM21F51H105ZA12L	GRM21BF51H105ZA12L	1.0	50	+80% -20%	Y5V	.11	.08	.066	.038	3000	.018
81-GRM21R60J225KA01L	GRM21BR60J225KA01L	2.2	6.3	10%	X5R	.37	.27	.219	.126	3000	.087
81-GRM21R61C225KA88L	GRM21BR61C225KA88L	2.2	16	10%	X5R	.30	.22	.18	.103	3000	.049
81-GRM219R61C225K88D	GRM219R61C225KA88D	2.2	16	10%	X5R	.44	.29	.22	.159	3000	.11
81-GRM219R61E225K	GRM219R61E225KA12D	2.2	25	10%	X5R	.49	.35	.29	.17	4000	.118
81-GRM21R60J226ME39L	GRM21BR60J226ME39L	22	6.3	20%	X5R	1.99	1.46	1.21	.705	3000	.338
81-GRM21BR71A225KA01	GRM21BR71A225KA01L	2.2	10	10%	X7R	.31	.23	.188	.108	3000	.052
81-GRM21BR71C225KA12	GRM21BR71C225KA12L	2.2	16	10%	X7R	.33	.24	.195	.112	3000	.054
81-GRM21BR71E225KA73	GRM21BR71E225KA73L	2.2	25	10%	X7R	.38	.25	.22	.136	3000	.094
81-GRM40Y5V225Z010AL	GRM21BF51A225ZA01L	2.2	10	+80% -20%	Y5V	.23	.17	.14	.081	3000	.039
81-GRM40Y5V225Z016AL	GRM21BF51C225ZA01L	2.2	16	+80% -20%	Y5V	.23	.17	.14	.081	3000	.039
81-GRM40Y225Z25L	GRM21BF51E225ZA01L	2.2	25	+80% -20%	Y5V	.24	.18	.146	.084	3000	.04
81-GRM21BR60J335K	GRM21BR60J335KA11L	3.3	6.3	10%	X5R	.40	.26	.20	.17	3000	.14

MURATA Hi-Cap Multilayer Ceramic Chip Capacitors

muRata
Innovator in Electronics

RoHS Compliant **This page of product is compliant.**

0805 CASE SIZE (CONT.)

MOUSER STOCK NO.	Murata Part No.	Value (µF)	Volt (DC)	Tol.±	Temperature Coefficient	Price Each				Reel Qty.	Price per Piece
						1	50	100	500		
81-GRM40034R475K6L	GRM21BR60J475KA11L	4.7	6.3	10%	X5R	.40	.26	.20	.19	3000	.14
81-GRM21BR61A475KA73	GRM21BR61A475KA73L	4.7	10	10%	X5R	.40	.26	.20	.19	3000	.14
81-GRM21BR61E475KA12	GRM21BR61E475KA12L	4.7	25	10%	X5R	.40	.26	.20	.142	3000	.098
81-GRM21BR71C475KA73	GRM21BR71C475KA73L	4.7	16	10%	X7R	.40	.26	.20	.15	3000	.104
81-GRM40Y5V475Z010AL	GRM21BF51A475ZA01L	4.7	10	+80% -20%	Y5V	.29	.21	.17	.10	3000	.048
81-GRM21BF51E475ZA01	GRM21BF51E475ZA01L	4.7	25	+80% -20%	Y5V	.29	.21	.17	.105	3000	.05
81-GRM21BR60J106ME19	GRM21BR60J106ME19L	10	6.3	20%	X5R	.39	.33	.31	.18	3000	.086
81-GRM21R60J106KE19L	GRM21BR60J106KE19L	10	6.3	10%	X5R	.48	.31	.24	.20	3000	.114
81-GRM21BR61A106KE19	GRM21BR61A106KE19L	10	10	10%	X5R	.48	.31	.24	.20	3000	.114
81-GRM21BR70J106KE76	GRM21BR70J106KE76L	10	6.3	10%	X7R	.48	.31	.24	.184	3000	.089
81-GRM21BR71A106KE51	GRM21BR71A106KE51L	10	10	10%	X7R	.48	.31	.24	.184	3000	.089
81-GRM21F50J106ZE01L	GRM21BF50J106ZE01L	10	6.3	+80% -20%	Y5V	.36	.26	.218	.126	3000	.087
81-GRM21F51A106ZE15L	GRM21BF51A106ZE15L	10	10	+80% -20%	Y5V	.36	.26	.218	.126	3000	.087
81-GRM21BF51C106ZE15	GRM21BF51C106ZE15L	10	16	+80% -20%	Y5V	.34	.28	.20	.115	3000	.055

1206 CASE SIZE

81-GRM426X105K16L	GRM31MR71C105KA01L	1.0	16	10%	X7R	.33	.23	.19	.15	3000	.077
81-GRM31MR71E105KA01	GRM31MR71E105KA01L	1.0	25	10%	X7R	.44	.29	.22	.20	3000	.15
81-GRM31CR71H105KA61	GRM31CR71H105KA61L	1.0	50	10%	X7R	.41	.29	.24	.154	2000	.107
81-GRM31MR71H105KA88	GRM31MR71H105KA88L	1.0	50	10%	X7R	.41	.29	.24	.19	3000	.11
81-GRM31CR72A105KA01	GRM31CR72A105KA01L	1.0	100	10%	X7R	.92	.60	.46	.343	2000	.165
81-GRM319F51C105ZA01	GRM319F51C105ZA01D	1.0	16	+80% -20%	Y5V	.18	.13	.107	.062	4000	.029
81-GRM426Y105Z25L	GRM31MF51E105ZA01L	1.0	25	+80% -20%	Y5V	.18	.13	.106	.061	3000	.029
81-GRM426X225K010L	GRM31MR71A225KA01L	2.2	10	10%	X7R	.41	.29	.24	.14	3000	.097
81-GRM426X225K16L	GRM31MR71C225KA35L	2.2	16	10%	X7R	.42	.30	.25	.146	3000	.101
81-GRM31R71E225KA93L	GRM31MR71E225KA93L	2.2	25	10%	X7R	.45	.32	.27	.156	3000	.108
81-GRM31CR71H225KA88	GRM31CR71H225KA88L	2.2	50	10%	X7R	.62	.45	.368	.212	2000	.102
81-GRM426Y5V225Z	GRM31MF51C225ZA01L	2.2	16	+80% -20%	Y5V	.33	.24	.199	.115	3000	.055
81-GRM31MF51E225Z	GRM31MF51E225ZA12L	2.2	25	+80% -20%	Y5V	.32	.23	.19	.15	3000	.074
81-GRM426R475K10L	GRM31CR61A475KA01L	4.7	10	10%	X5R	.52	.37	.30	.24	2000	.12
81-GRM31CR61C475KA	GRM31CR61C475KA01L	4.7	16	10%	X5R	.60	.43	.35	.28	2000	.13
81-GRM426X475K10L	GRM31CR71A475KA01L	4.7	10	10%	X7R	.63	.46	.378	.218	2000	.104
81-GRM31CR71E475KA88	GRM31CR71E475KA88L	4.7	25	10%	X7R	.61	.48	.36	.21	2000	.101
81-GRM31F51A475ZA01L	GRM31MF51A475ZA01L	4.7	10	+80% -20%	Y5V	.34	.24	.20	.116	3000	.056
81-GRM31MF51C475Z	GRM31MF51C475ZA01L	4.7	16	+80% -20%	Y5V	.34	.24	.20	.116	3000	.056
81-GRM31F51H475ZA01L	GRM31CF51H475ZA01L	4.7	50	+80% -20%	Y5V	.42	.30	.25	.144	2000	.10
81-GRM31R60J106KA01L	GRM31CR60J106KA01L	10	6.3	10%	X5R	.68	.48	.40	.32	2000	.16
81-GRM426R106K10L	GRM31CR61A106KA01L	10	10	10%	X5R	.83	.59	.49	.285	2000	.137
81-GRM31MR61A106KE19	GRM31MR61A106KE19L	10	10	10%	X5R	.67	.48	.40	.32	3000	.11
81-GRM31CR61C106KA88	GRM31CR61C106KA88L	10	16	10%	X5R	1.54	1.00	.77	.72	2000	.53
81-GRM31R61E106KA12L	GRM31CR61E106KA12L	10	25	10%	X5R	1.01	.72	.60	.348	2000	.167
81-GRM426X106K6.3L	GRM31CR70J106KA01L	10	6.3	10%	X7R	.83	.59	.49	.285	2000	.137
81-GRM31CR71A106KA01	GRM31CR71A106KA01L	10	10	10%	X7R	.61	.44	.36	.212	2000	.101
81-GRM426Y106Z10L	GRM31MF51A106ZA01L	10	10	+80% -20%	Y5V	.18	.14	.11	.063	3000	.063
81-GRM31MF51C106ZA12	GRM31MF51C106ZA12L	10	16	+80% -20%	Y5V	.46	.30	.23	.168	2000	.116
81-GRM31CF51E106ZA01	GRM31CF51E106ZA01L	10	25	+80% -20%	Y5V	.58	.41	.34	.198	2000	.095
81-GRM31R60J226ME19L	GRM31CR60J226ME19L	22	6.3	20%	X5R	1.33	1.04	.91	.78	2000	.34
81-GRM31CR60J226KE19	GRM31CR60J226KE19L	22	6.3	10%	X5R	1.49	1.16	.96	.564	2000	.27
81-GRM31CF51A226ZE01	GRM31CF51A226ZE01L	22	10	+80% -20%	Y5V	.94	.67	.56	.323	2000	.155
81-GRM426X476M6.3L	GRM31CR60J476ME19L	47	6.3	20%	X5R	3.49	2.50	1.99	1.20	2000	.579

1210 CASE SIZE

MOUSER STOCK NO.	Murata Part No.	Value (µF)	Volt (DC)	Tol.±	Temperature Coefficient	Price Each				Reel Qty.	Price per Piece
						1	50	100	500		
81-GRM422X105K50K	GRM32RR71H105KA01K	1.0	50	10%	X7R	.60	.45	.38	.333	4000	.15
81-GRM422X105K50L	GRM32RR71H105KA01L	1.0	50	10%	X7R	.65	.47	.389	.22	1000	.10
81-GRM32ER72A105KA01	GRM32ER72A105KA01L	1.0	100	10%	X7R	.99	.93	.77	.44	1000	.19
81-GRM422X225K16L	GRM32MR71C225KC01L	2.2	16	10%	X7R	1.03	.74	.61	.354	3000	.17
81-GRM422X225K025L	GRM32RR71E225KC01L	2.2	25	10%	X7R	.93	.66	.55	.32	1000	.14
81-GRM32ER72A225KA35	GRM32ER72A225KA35L	2.2	100	10%	X7R	2.68	1.74	1.34	.997	1000	.436
81-GRM32RR61E475KA12	GRM32RR61E475KA12L	4.7	25	10%	X5R	.48	.32	.30	.28	1000	.20
81-GRM422X475K16L	GRM32RR71C475KC01L	4.7	16	10%	X7R	.43	.40	.38	.33	1000	.176
81-GRM32R71H475KA88L	GRM32ER71H475KA88L	4.7	50	10%	X7R	1.99	1.55	1.29	.74	1000	.323
81-GRM422R106K10L	GRM32ER61A106KA01L	10	10	10%	X5R	1.46	1.05	.87	.50	1000	.22
81-GRM32R71C106KA01L	GRM32DR71C106KA01L	10	16	10%	X7R	1.49	1.16	.96	.55	1000	.225
81-GRM32R71C106KA01L	GRM32DR71C106KA01L	10	16	10%	X7R	1.49	1.16	.96	.55	1000	.225
81-GRM32DR71E106KA12	GRM32DR71E106KA12L	10	25	10%	X7R	1.75	1.25	1.04	.60	1000	.26
81-GRM422Y106Z16L	GRM32NF51C106ZA01L	10	16	+80% -20%	Y5V	.94	.67	.56	.323	2000	.155
81-GRM32NF51E106ZA01	GRM32NF51E106ZA01L	10	25	+80% -20%	Y5V	.95	.68	.57	.328	2000	.157
81-GRM32DF51H106ZA01	GRM32DF51H106ZA01L	10	50	+80% -20%	Y5V	1.11	.80	.66	.38	2000	.155
81-GRM32ER61C226KE20	GRM32ER61C226KE20L	22	16	10%	X5R	2.77	1.99	1.65	.94	1000	.41
81-GRM32R71A226KE20L	GRM32ER71A226KE20L	22	10	10%	X7R	2.62	1.88	1.56	.89	1000	.39
81-GRM32CF51A226ZA01	GRM32CF51A226ZA01L	22	10	+80% -20%	Y5V	.99	.88	.73	.422	2000	.139
81-GRM32CF51C226ZA12	GRM32CF51C226ZA12L	22	16	+80% -20%	Y5V	.99	.78	.60	.446	1000	.25
81-GRM32ER60J476ME20	GRM32ER60J476ME20L	47	6.3	20%	X5R	3.46	2.48	2.06	1.18	1000	.51
81-GRM32ER60J107ME20	GRM32ER60J107ME20L	100	6.3	20%	X5R	6.99	5.25	4.36	2.50	1000	1.08
81-GRM32EF50J107ZE20	GRM32EF50J107ZE20L	100	6.3	+80% -20%	Y5V	4.28	2.78	2.14	1.58	1000	.646

1812 CASE SIZE

81-GRM432X7R225K50	GRM43ER71H225KA01L	2.2	50	10%	X7R	2.82	1.99	1.68	.36	500	.34
81-GRM43ER72A225KA01	GRM43ER72A225KA01L	2.2	100	10%	X7R	3.49	2.51	1.99	.45	500	.42
81-GRM43ER61C226KE01	GRM43ER61C226KE01L	22	16	10%	X5R	2.75	2.32	1.62	.45	1000	.35
81-GRM43ER60J476KE01	GRM43ER60J476KE01L	47	6.3	10%	X5R	4.99	3.66	2.99	.66	500	.61
81-GRM43ER61A476KE19	GRM43ER61A476KE19L	47	10	10%	X5R	4.99	3.66	2.99	.66	500	.61
81-GRM43SR60J107ME20	GRM43SR60J107ME20L	100	6.3	20%	X5R	8.39	5.99	4.99	1.08	500	1.03

2220 CASE SIZE

81-GRM55RR71H105KA01	GRM55RR71H105KA01L	1.0	50	10%	X7R	4.49	3.27	2.71	1.56	1000	.67
81-GRM55ER72A475KA01	GRM55ER72A475KA01L	4.7	100	10%	X7R	6.99	5.26	4.37	1.21	500	.90

MURATA Multilayer Ceramic Chip Capacitors

RoHS Compliant **This page of product is compliant.**

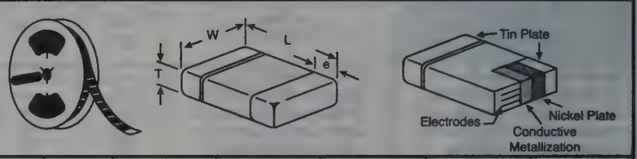
CERAMIC CHIP CAPACITORS

Features:

- C0G (NP0), X5R, X7R, Y5V, and Z5U Dielectrics
- 6.3, 10, 16, 25, 50, 100, 200, 250, and 500 Volts
- Available tolerances: ±.25pF, ±.5pF, ±.1pF, 1%, 2%, 5%, 10%, 20%, +80/-20%
- Nickel Barrier Termination standard- highly resistant to metal migration
- No polarity
- For assistance with Global Part Numbers, please contact a Mouser representative

RoHS Compliant

DIMENSIONS: mm



Part No.	Case	L	W	T (max)	e	g min.
GRM022	01005	0.4 ±0.02	0.2 ±0.02	0.2 ±0.02	0.07 ±0.141	0.13
GRM033	0201	0.6 ±0.03	0.3 ±0.03	0.3 ±0,03	0.1 to 0.2	0.2
GRM155	0402	1.0 ±0.05	0.5 ±0.05	0.5 ±0.05	0.15 to 0.3	0.4
GRM188	0603	1.6 ±0.1	0.8 ±0.1	0.8 ±0.1	0.2 to 0.5	0.5

01005 Available only from Murata

Style 01005

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: C0G								
81-GRM0225C1C7R5DD	GRM0225C1C7R5DD01D	7.5	16	0.5pF	.17	.079	20000	.05
81-GRM0225C1C8R0DD	GRM0225C1C8R0DD01D	8	16	0.5pF	.17	.079	20000	.043
81-GRM0225C1C8R2DD	GRM0225C1C8R2DD01D	8.2	16	0.5pF	.17	.079	20000	.043
81-GRM0225C1C9R0DD	GRM0225C1C9R0DD01D	9	16	0.5pF	.17	.079	20000	.043
81-GRM0225C1C9R1DD	GRM0225C1C9R1DD01D	9.1	16	0.5pF	.17	.079	20000	.043
81-GRM0225C1C100JD	GRM0225C1C100JD01D	10	16	5%	.17	.079	20000	.043
81-GRM0225C1C110JD	GRM0225C1C110JD01D	11	16	5%	.17	.079	20000	.043
81-GRM0225C1C120JD	GRM0225C1C120JD01D	12	16	5%	.17	.079	20000	.043
81-GRM0225C1C130JD	GRM0225C1C130JD01D	13	16	5%	.17	.079	20000	.043
81-GRM0225C1C150JD	GRM0225C1C150JD01D	15	16	5%	.17	.079	20000	.05
81-GRM0222C1C180JD	GRM0222C1C180JD01D	18	16	5%	.18	.08	20000	.051
81-GRM0225C1C220JD	GRM0225C1C220JD01D	22	16	5%	.18	.08	20000	.043
81-GRM0225C1C270JD	GRM0225C1C270JD01D	27	16	5%	.18	.08	20000	.043
81-GRM0225C1C330JD	GRM0225C1C330JD01D	33	16	5%	.18	.08	20000	.034
81-GRM0225C1C390JD	GRM0225C1C390JD01D	39	16	5%	.18	.08	20000	.043
81-GRM0225C1C470JD	GRM0225C1C470JD01D	47	16	5%	.18	.08	20000	.043
Temperature Coeff: X5R								
81-GRM022R60J681KD	GRM022R60J681KE19D	680	6.3	10%	.17	.079	20000	.043
81-GRM022R60J102KD	GRM022R60J102KE19D	1,000	6.3	10%	.17	.079	20000	.043
81-GRM022R60J152KD	GRM022R60J152KE19D	1,500	6.3	10%	.17	.079	20000	.043
81-GRM022R60J222KD	GRM022R60J222KE19D	2,200	6.3	10%	.17	.079	20000	.043
81-GRM022R60J332KD	GRM022R60J332KE19D	3,300	6.3	10%	.17	.079	20000	.043
81-GRM022R60J472KD	GRM022R60J472KE19D	4,700	6.3	10%	.17	.079	20000	.043
81-GRM022R60J682KD	GRM022R60J682KE19D	6,800	6.3	10%	.17	.079	20000	.043
81-GRM022R60J103KD	GRM022R60J103KE19D	10,000	6.3	10%	.17	.079	20000	.043

Style 0201

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: C0G								
81-GRM0335C1E1R0CD01	GRM0335C1E1R0CD01D	1	25	0.25pF	.07	.03	15000	.008
81-GRM0335C1H1R0CD1D	GRM0335C1H1R0CD01D	1	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E1R2CD01	GRM0335C1E1R2CD01D	1.2	25	0.25pF	.07	.03	15000	.008
81-GRM0335C1H1R2CD1D	GRM0335C1H1R2CD01D	1.2	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E1R5CD1D	GRM0335C1E1R5CD01D	1.5	25	0.25pF	.07	.03	15000	.008
81-GRM0335C1H1R5CD1D	GRM0335C1H1R5CD01D	1.5	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E1R8CD1D	GRM0335C1E1R8CD01D	1.8	25	0.25pF	.07	.03	15000	.008
81-GRM0335C1H1R8CD1D	GRM0335C1H1R8CD01D	1.8	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E2R0CD1D	GRM0335C1E2R0CD01D	2	25	0.25pF	.07	.03	15000	.008
81-GRM0335C1H2R0CD1D	GRM0335C1H2R0CD01D	2	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E2R2CD01	GRM0335C1E2R2CD01D	2.2	25	0.25pF	.07	.03	15000	.008
81-GRM0335C1H2R2CD1D	GRM0335C1H2R2CD01D	2.2	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E2R7CD1D	GRM0335C1E2R7CD01D	2.7	25	0.25pF	.06	.021	15000	.007
81-GRM0335C1H2R7CD1D	GRM0335C1H2R7CD01D	2.7	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E3R0CD1D	GRM0335C1E3R0CD01D	3	25	0.25pF	.06	.021	15000	.007
81-GRM0335C1H3R0CD1D	GRM0335C1H3R0CD01D	3	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E3R3CD01	GRM0335C1E3R3CD01D	3.3	25	0.25pF	.07	.03	15000	.008
81-GRM0335C1H3R3CD1D	GRM0335C1H3R3CD01D	3.3	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E3R9CD1D	GRM0335C1E3R9CD01D	3.9	25	0.25pF	.06	.021	15000	.007
81-GRM0335C1H3R9CD1D	GRM0335C1H3R9CD01D	3.9	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E4R0CD1D	GRM0335C1E4R0CD01D	4	25	0.25pF	.06	.021	15000	.007
81-GRM0335C1H4R0CD1D	GRM0335C1H4R0CD01D	4	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E4R7CD1D	GRM0335C1E4R7CD01D	4.7	25	0.25pF	.06	.02	15000	.005
81-GRM0335C1H4R7CD1D	GRM0335C1H4R7CD01D	4.7	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E5R0CD1D	GRM0335C1E5R0CD01D	5	25	0.25pF	.06	.021	15000	.007
81-GRM0335C1H5R0CD1D	GRM0335C1H5R0CD01D	5	50	0.25pF	.06	.021	15000	.012
81-GRM0335C1E5R6DD1D	GRM0335C1E5R6DD01D	5.6	25	0.5pF	.06	.021	15000	.007

Style 0201 (Cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: C0G (Cont.)								
81-GRM0335C1H5R6DD1D	GRM0335C1H5R6DD01D	5.6	50	0.5pF	.06	.021	15000	.012
81-GRM0335C1E6R0DD1D	GRM0335C1E6R0DD01D	6	25	0.5pF	.06	.021	15000	.007
81-GRM0335C1H6R0DD1D	GRM0335C1H6R0DD01D	6	50	0.5pF	.06	.021	15000	.012
81-GRM0335C1E6R8DD1D	GRM0335C1E6R8DD01D	6.8	25	0.5pF	.06	.021	15000	.007
81-GRM0335C1H6R8DD1D	GRM0335C1H6R8DD01D	6.8	50	0.5pF	.06	.021	15000	.012
81-GRM0335C1E7R0DD1D	GRM0335C1E7R0DD01D	7	25	0.5pF	.07	.03	15000	.008
81-GRM0335C1H7R0DD1D	GRM0335C1H7R0DD01D	7	50	0.5pF	.06	.021	15000	.012
81-GRM0335C1E8R0DD1D	GRM0335C1E8R0DD01D	8	25	0.5pF	.06	.021	15000	.007
81-GRM0335C1H8R0DD1D	GRM0335C1H8R0DD01D	8	50	0.5pF	.06	.021	15000	.012
81-GRM0335C1E8R2DD1D	GRM0335C1E8R2DD01D	8.2	25	0.5pF	.06	.021	15000	.007
81-GRM0335C1H8R2DD1D	GRM0335C1H8R2DD01D	8.2	50	0.5pF	.06	.021	15000	.012
81-GRM0335C1E9R0DD1D	GRM0335C1E9R0DD01D	9	25	0.5pF	.07	.03	15000	.008
81-GRM0335C1H9R0DD1D	GRM0335C1H9R0DD01D	9	50	0.5pF	.06	.021	15000	.012
81-GRM0335C1E100JD01	GRM0335C1E100JD01D	10	25	5%	.07	.05	15000	.014
81-GRM0335C1H100JD1D	GRM0335C1H100JD01D	10	50	5%	.06	.021	15000	.012
81-GRM0335C1E120JD1D	GRM0335C1E120JD01D	12	25	5%	.06	.021	15000	.007
81-GRM0335C1H120JD1D	GRM0335C1H120JD01D	12	50	5%	.06	.021	15000	.012
81-GRM0335C1E150JD1D	GRM0335C1E150JD01D	15	25	5%	.06	.021	15000	.007
81-GRM0335C1H150JD1D	GRM0335C1H150JD01D	15	50	5%	.06	.021	15000	.012
81-GRM0335C1E180JD1D	GRM0335C1E180JD01D	18	25	5%	.07	.03	15000	.008
81-GRM0335C1H180JD1D	GRM0335C1H180JD01D	18	50	5%	.06	.021	15000	.012
81-GRM0335C1E220JD1D	GRM0335C1E220JD01D	22	25	5%	.07	.03	15000	.008
81-GRM0335C1H220JD1D	GRM0335C1H220JD01D	22	50	5%	.06	.021	15000	.012
81-GRM0335C1E270JD1D	GRM0335C1E270JD01D	27	25	5%	.06	.021	15000	.007
81-GRM0335C1H270JD1D	GRM0335C1H270JD01D	27	50	5%	.06	.021	15000	.012
81-GRM0335C1E330JD01	GRM0335C1E330JD01D	33	25	5%	.07	.03	15000	.008
81-GRM0335C1H330JD1D	GRM0335C1H330JD01D	33	50	5%	.06	.021	15000	.012
81-GRM0335C1E390JD1D	GRM0335C1E390JD01D	39	25	5%	.06	.021	15000	.007
81-GRM0335C1H390JD1D	GRM0335C1H390JD01D	39	50	5%	.06	.021	15000	.012
81-GRM0335C1E470JD01	GRM0335C1E470JD01D	47	25	5%	.07	.03	15000	.008
81-GRM0335C1H470JD1D	GRM0335C1H470JD01D	47	50	5%	.06	.021	15000	.012
81-GRM0335C1E560JD01	GRM0335C1E560JD01D	56	25	5%	.06	.021	15000	.007
81-GRM0335C1H560JD1D	GRM0335C1H560JD01D	56	50	5%	.06	.021	15000	.012
81-GRM0335C1E680JD01	GRM0335C1E680JD01D	68	25	5%	.06	.021	15000	.007
81-GRM0335C1H680JD1D	GRM0335C1H680JD01D	68	50	5%	.06	.021	15000	.012
81-GRM0335C1E820JD1D	GRM0335C1E820JD01D	82	25	5%	.07	.03	15000	.008
81-GRM0335C1H820JD1D	GRM0335C1H820JD01D	82	50	5%	.06	.021	15000	.012
81-GRM0335C1E101JD01	GRM0335C1E101JD01D	100	25	5%	.07	.03	15000	.008
81-GRM0335C1H101JD1D	GRM0335C1H101JD01D	100	50	5%	.06	.021	15000	.012
Temperature Coefficient X7R								
81-GRM033R71E101KA1D	GRM033R71E101KA01D	100	25	10%	.06	.021	15000	.007
81-GRM033R71E151KA1D	GRM033R71E151KA01D	150	25	10%	.06	.021	15000	.007
81-GRM033R71E221KA1D	GRM033R71E221KA01D	220	25	10%	.06	.021	15000	.007
81-GRM033R71E331KA1D	GRM033R71E331KA01D	330	25	10%	.06	.021	15000	.007
81-GRM033R71C471KD01	GRM033R71C471KD01D	470	16	10%	.07	.03	15000	.008
81-GRM033R71E471KA1D	GRM033R71E471KA01D	470	25	10%	.06	.021	15000	.007
81-GRM033R71E681KA1D	GRM033R71E681KA01D	680	25	10%	.06	.021	15000	.007
81-GRM033R71E102KA1D	GRM033R71E102KA01D	1000	25	10%	.06	.021	15000	.007
81-GRM033R71E152KA01	GRM033R71E152KA01D	1500	25	10%	.06	.026	15000	.007
81-GRM033R71C222KA8D	GRM033R71C222KA88D	2200	16	10%	.06	.021	15000	.007
81-GRM033R71C332KA88	GRM033R71C332KA88D	3300	16	10%	.06	.026	15000	.007
81-GRM033R71A472KA1D	GRM033R71A472KA01D	4700	10	10%	.06	.026	15000	.007
81-GRM033R71A682KA1D	GRM033R71A682KA01D	6800	10	10%	.06	.026	15000	.007
81-GRM033R71A103KA1D	GRM033R71A103KA01D	.01μF	10	10%	.06	.026	15000	.007
Temperature Coefficient X5R								
81-GRM033R60J153KE1D	GRM033R60J153KE01D	.015μF	6.3	10%	.07	.03	15000	.008
81-GRM033R60J223KE1D	GRM033R60J223KE01D	.022μF	6.3	10%	.07	.026	15000	.009
81-GRM033R60J333KE01	GRM033R60J333KE01D	.033μF	6.3	10%	.07	.035	15000	.009
81-GRM033R60J473KE19	GRM033R60J473KE19D	.047μF	6.3	10%	.12	.07	15000	.012
81-GRM033R60J683KE9D	GRM033R60J683KE19D	.068μF	6.3	10%	.07	.03	15000	.01
81-GRM033R60J104KE19	GRM033R60J104KE19D	0.1μF	6.3	10%	.07	.041	15000	.011
81-GRM033R61A104KE5D	GRM033R61A104KE15D	0.1μF	10	10%	.10	.033	15000	.019
81-GRM033R60J104ME19	GRM033R60J104ME19E	0.1μF	6.3	20%	.14	.09	15000	.016

MURATA Multilayer Ceramic Chip Capacitors

RoHS Compliant This page of product is compliant.

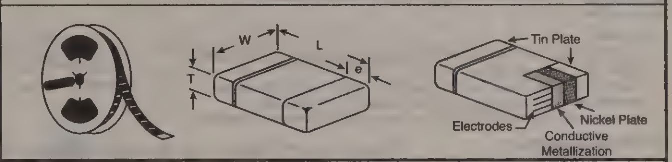
CERAMIC CHIP CAPACITORS

Features:
- C0G (NP0), X5R, X7R, Y5V, and Z5U Dielectrics
- 6.3, 10, 16, 25, 50, and 100 Volts
- Available tolerances: ±.25pF, ±.5pF, ±.1pF, 1%, 2%, 5%, 10%, 20%, +80/-20%
- Nickel Barrier Termination standard- highly resistant to metal migration
- No polarity
- For assistance with Global Part Numbers, please contact a Mouser representative

RoHS Compliant

01005 Available only from Murata

DIMENSIONS: mm



Part No.	Case	L	W	T (max)	e	g min.
GRM022	01005	0.4 ±0.02	0.2 ±0.02	0.2 ±0.02	0.07 ±0.141	0.13
GRM033	0201	0.6 ±0.03	0.3 ±0.03	0.3 ±0,03	0.1 to 0.2	·0.2
GRM155	0402	1.0 ±0.05	0.5 ±0.05	0.5 ±0.05	0.15 to 0.3	0.4
GRM188	0603	1.6 ±0.1	0.8 ±0.1	0.8 ±0.1	0.2 to 0.5	0.5

Style 0402

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: C0G								
81-GRM36C0R5C50	GRM1555C1HR50CZ01D	0.5	50	0.25pF	.05	.02	10000	.005
81-GRM36C010B50	GRM1555C1H1R0BZ01D	1	50	0.1pF	.11	.05	10000	.009
81-GRM36C1R5C50	GRM1555C1H1R5CZ01D	1.5	50	0.25pF	.05	.02	10000	.005
81-GRM1555C1H1R8CZ01	GRM1555C1H1R8CZ01D	1.8	50	0.25pF	.05	.017	10000	.004
81-GRM36C020C50	GRM1555C1H2R0CZ01D	2	50	0.25pF	.05	.017	10000	.004
81-GRM36C2R7C50	GRM1555C1H2R7CZ01D	2.7	50	0.25pF	.05	.02	10000	.005
81-GRM36C2R7B50	GRM1555C1H2R7BZ01D	2.7	50	0.1pF	.18	.09	10000	.015
81-GRM36C030C50	GRM1555C1H3R0CZ01D	3	50	0.25pF	.05	.017	10000	.004
81-GRM36C3R3C50	GRM1555C1H3R3CZ01D	3.3	50	0.25pF	.05	.02	10000	.005
81-GRM36C3R9C50	GRM1555C1H3R9CZ01D	3.9	50	0.25pF	.05	.02	10000	.005
81-GRM36C4R7C50	GRM1555C1H4R7CZ01D	4.7	50	0.25pF	.05	.02	10000	.005
81-GRM1555C1H100JZ01	GRM1555C1H100JZ01D	10	50	5%	.05	.02	10000	.005
81-GRM36C120J50	GRM1555C1H120JZ01D	12	50	5%	.05	.02	10000	.005
81-GRM36C150J50	GRM1555C1H150JZ01D	15	50	5%	.05	.02	10000	.005
81-GRM36C180J50	GRM1555C1H180JZ01D	18	50	5%	.05	.02	10000	.005
81-GRM36C220J50	GRM1555C1H220JZ01D	22	50	5%	.05	.02	10000	.005
81-GRM36C330J50	GRM1555C1H330JZ01D	33	50	5%	.05	.017	10000	.004
81-GRM36C470J50	GRM1555C1H470JZ01D	47	50	5%	.05	.02	10000	.005
81-GRM36C560J50	GRM1555C1H560JD01D	56	50	5%	.05	.017	10000	.004
81-GRM1555C1H680JD01	GRM1555C1H680JD01D	68	50	5%	.06	.03	10000	.005
81-GRM1555C1H121JA01	GRM1555C1H121JA01D	120	50	5%	.06	.026	10000	.006
81-GRM1555C1H151JA01	GRM1555C1H151JA01D	150	50	5%	.05	.022	10000	.006
81-GRM1555C1H471JA01	GRM1555C1H471JA01D	470	50	5%	.07	.037	10000	.01
81-GRM36X221J50	GRM155R71H221JA01D	220	50	5%	.16	.08	10000	.013
Temperature Coeff: X7R								
81-GRM155R71H221KA01	GRM155R71H221KA01D	220	50	10%	.05	.022	10000	.006
81-GRM155R72A221KA1D	GRM155R72A221KA01D	220	100	10%	.07	.022	10000	.013
81-GRM36X331K50	GRM155R71H331KA01D	330	50	10%	.05	.022	10000	.006
81-GRM155R72A331KA1D	GRM155R72A331KA01D	330	100	10%	.08	.026	10000	.015
81-GRM36X471K50	GRM155R71H471KA01D	470	50	10%	.05	.022	10000	.006
81-GRM155R72A471KA1D	GRM155R72A471KA01D	470	100	10%	.07	.022	10000	.013
81-GRM15R71H681KA01D	GRM155R71H681KA01D	680	50	10%	.05	.024	10000	.006
81-GRM155R72A681KA1D	GRM155R72A681KA01D	680	100	10%	.08	.026	10000	.015
81-GRM36X102K50	GRM155R71H102KA01D	1000	50	10%	.05	.014	10000	.004
81-GRM155R72A102KA1D	GRM155R72A102KA01D	1000	100	10%	.06	.021	10000	.012
81-GRM36X152K50	GRM155R71H152KA01D	1500	50	10%	.05	.022	10000	.006
81-GRM155R72A152KA1D	GRM155R72A152KA01D	1500	100	10%	.08	.026	10000	.015
81-GRM36X222K50	GRM155R71H222KA01D	2200	50	10%	.05	.017	10000	.004
81-GRM155R72A222KA1D	GRM155R72A222KA01D	2200	100	10%	.06	.021	10000	.012
81-GRM36X332K50	GRM155R71H332KA01D	3300	50	10%	.05	.022	10000	.006
81-GRM155R72A332KA1D	GRM155R72A332KA01D	3300	100	10%	.08	.027	10000	.016
81-GRM36X472K25	GRM155R71E472KA01D	4700	25	10%	.05	.017	10000	.004
81-GRM155R71H472KA01	GRM155R71H472KA01D	4700	50	10%	.05	.017	10000	.004
81-GRM155R72A472KA01	GRM155R72A472KA01D	4700	100	10%	.06	.026	10000	.007
81-GRM15R71E682KA01D	GRM155R71E682KA01D	6800	25	10%	.06	.026	10000	.007
81-GRM155R71H682KA8D	GRM155R71H682KA88D	6800	50	10%	.07	.033	10000	.009
81-GRM36X103K16	GRM155R71C103KA01D	.01μF	16	10%	.05	.017	10000	.004
81-GRM36X103K25	GRM155R71E103KA01D	.01μF	25	10%	.05	.017	10000	.004
81-GRM155R71H103KA8D	GRM155R71H103KA88D	.01μF	50	10%	.05	.012	10000	.004
81-GRM155R71C153KA1D	GRM155R71C153KA01D	.015μF	16	10%	.07	.03	10000	.008
81-GRM155R71E153KA6D	GRM155R71E153KA61D	.015μF	25	10%	.07	.029	10000	.008
81-GRM155R71H153KA2D	GRM155R71H153KA12D	.015μF	50	10%	.05	.017	10000	.005
81-GRM155R71C223KA01	GRM155R71C223KA01D	.022μF	16	10%	.12	.06	10000	.01
81-GRM155R71E223KA6D	GRM155R71E223KA61D	.022μF	25	10%	.05	.018	10000	.006
81-GRM155R71H223KA12	GRM155R71H223KA12D	.022μF	50	10%	.04	.017	10000	.005
81-GRM36X333K10	GRM155R71A333KA01D	.033μF	10	10%	.10	.054	10000	.015
81-GRM155R71E333KA8D	GRM155R71E333KA88D	.033μF	25	10%	.08	.048	10000	.013
81-GRM36X473K10	GRM155R71A473KA01D	.047μF	10	10%	.07	.034	10000	.009
81-GRM155R71C473KA01	GRM155R71C473KA01D	.047μF	16	10%	.07	.05	10000	.034
81-GRM155R71E473KA88	GRM155R71E473KA88D	.047μF	25	10%	.07	.03	10000	.008
81-GRM155R71A683KA1D	GRM155R71A683KA01D	.068μF	10	10%	.07	.023	10000	.014
81-GRM155R71C683KA8D	GRM155R71C683KA88D	.068μF	16	10%	.09	.04	10000	.024
81-GRM155R71C104KA88	GRM155R71C104KA88D	0.1μF	16	10%	.05	.022	10000	.006
Temperature Coefficient X5R								
81-GRM155R61A154KE9D	GRM155R61A154KE19D	.15μF	10	10%	.14	.08	10000	.022
81-GRM155R60J224KE01	GRM155R60J224KE01D	.22μF	6.3	10%	.25	.12	10000	.021
81-GRM155R61A224KE19	GRM155R61A224KE19D	.22μF	10	10%	.12	.058	10000	.02
81-GRM155R60J334KE01	GRM155R60J334KE01D	.33μF	6.3	10%	.17	.078	10000	.027
81-GRM155R61A334KE5D	GRM155R61A334KE15D	.33μF	10	10%	.17	.078	10000	.027
81-GRM155R60J474KE1D	GRM155R60J474KE01D	.47μF	6.3	10%	.23	.078	10000	.046
81-GRM155R61A474KE5D	GRM155R61A474KE15D	.47μF	10	10%	.16	.077	10000	.026

Style 0402 Cont.

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coefficient X5R Cont.								
81-GRM155R60J684KE1D	GRM155R60J684KE01D	.68μF	6.3	10%	.23	.078	10000	.046
81-GRM155R61A684KE5D	GRM155R61A684KE15D	.68μF	10	10%	.17	.057	10000	.034
Temperature Coefficient Y5V								
81-GRM36Y104Z16	GRM155F51C104ZA01D	.1μF	16	+80,-20	.05	.02	10000	.005
81-GRM36Y224Z10	GRM155F51A224ZE01D	.22μF	10	+80,-20	.36	.18	10000	.031
81-GRM155F51A474ZE01	GRM155F51A474ZE01D	.47μF	10	+80,-20	.08	.043	10000	.012

Style 0603

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: C0G								
81-GRM39C0R5C50	GRM1885C1HR50CZ01D	0.5	50	.25pF	.07	.04	4000	.011
81-GRM1885C1H1R0BZ	GRM1885C1H1R0BZ01D	1	50	0.1pF	.12	.07	4000	.024
81-GRM39C1R2B50	GRM1885C1H1R2BZ01D	1.2	50	0.1pF	.12	.07	4000	.024
81-GRM39C020C50	GRM1885C1H2R0CZ01D	2	50	.25pF	.07	.04	4000	.011
81-GRM39C2R2B50	GRM1885C1H2R2BZ01D	2.2	50	0.1pF	.12	.07	4000	.024
81-GRM39C3R9B50	GRM1885C1H3R9BZ01D	3.9	50	0.1pF	.12	.07	4000	.024
81-GRM39C4R7C50	GRM1885C1H4R7CZ01D	4.7	50	.25pF	.07	.04	4000	.011
81-GRM185C1H5R0CZ01D	GRM1885C1H5R0CZ01D	5	50	.25pF	.08	.04	4000	.011
81-GRM39C5R6C50	GRM1885C1H5R6CZ01D	5.6	50	.25pF	.08	.05	4000	.016
81-GRM1885C1H6R8CZ01	GRM1885C1H6R8CZ01D	6.8	50	.25pF	.08	.046	4000	.013
81-GRM39C8R2C50	GRM1885C1H8R2CZ01D	8.2	50	.25pF	.08	.05	4000	.016
81-GRM39C100D50	GRM1885C1H100JA01D	10	50	5%	.07	.04	4000	.011
81-GRM39C120J50	GRM1885C1H120JA01D	12	50	5%	.07	.04	4000	.011
81-GRM39C150J50	GRM1885C1H150JA01D	15	50	5%	.07	.04	4000	.011
81-GRM39C180J50	GRM1885C1H180JA01D	18	50	5%	.07	.04	4000	.011
81-GRM39C200J50	GRM1885C1H200JA01D	20	50	5%	.08	.042	4000	.011
81-GRM39C220J50	GRM1885C1H220JA01D	22	50	5%	.07	.04	4000	.011
81-GRM1885C2A220JA01	GRM1885C2A220JA01D	22	100	5%	.06	.03	4000	.009
81-GRM1885C1H270JA01	GRM1885C1H270JA01D	27	50	5%	.07	.04	4000	.011
81-GRM39C330J50	GRM1885C1H330JA01D	33	50	5%	.07	.04	4000	.011
81-GRM39C360J50	GRM1885C1H360JA01D	36	50	5%	.08	.042	4000	.011
81-GRM39C470J50	GRM1885C1H470JA01D	47	50	5%	.07	.04	4000	.011
81-GRM39C680J50	GRM1885C1H680JA01D	68	50	5%	.07	.04	4000	.011
81-GRM39C101J50	GRM1885C1H101JA01D	100	50	5%	.07	.04	4000	.011
81-GRM39C121J50	GRM1885C1H121JA01D	120	50	5%	.10	.058	4000	.016
81-GRM39C151J50	GRM1885C1H151JA01D	150	50	5%	.12	.07	4000	.02
81-GRM39C221J050	GRM1885C1H221JA01D	220	50	5%	.10	.059	4000	.016
81-GRM39C271J50	GRM1885C1H271JA01D	270	50	5%	.12	.07	4000	.02
81-GRM39C331J50	GRM1885C1H331JA01D	330	50	5%	.11	.065	4000	.018
81-GRM39C471J50	GRM1885C1H471JA01D	470	50	5%	.10	.061	4000	.016
81-GRM39C681J50	GRM1885C1H681JA01D	680	50	5%	.12	.07	4000	.02
81-GRM39C102J50	GRM1885C1H102JA01D	1000	50	5%	.13	.076	4000	.021
81-GRM1885C1H152JA01	GRM1885C1H152JA01D	1500	50	5%	.12	.068	4000	.019
81-GRM1885C1H182JA01	GRM1885C1H182JA01D	1800	50	5%	.13	.07	4000	.02
81-GRM1885C1H222JA01	GRM1885C1H222JA01D	2200	50	5%	.13	.07	4000	.02
Temperature Coeff: X7R								
81-GRM39X471K50D	GRM188R71H471KA01D	470	50	10%	.07	.039	4000	.01
81-GRM39X681K50D	GRM188R71H681KA01D	680	50	10%	.07	.039	4000	.011
81-GRM39X102J50D	GRM188R71H102JA01D	1000	50	5%	.08	.05	4000	.016
81-GRM39X102K050	GRM188R71H102KA01D	1000	50	10%	.07	.033	4000	.009
81-GRM39X222K50D	GRM188R71H222KA01D	2200	50	10%	.04	.02	4000	.006
81-GRM188R71H332KA	GRM188R71H332KA01D	3300	50	10%	.06	.038	4000	.01
81-GRM39X472K50D	GRM188R71H472KA01D	4700	50	10%	.06	.037	4000	.01
81-GRM39X103K25	GRM188R71E103KA01D	10000	25	10%	.05	.03	4000	.008
81-GRM39X103K50D	GRM188R71H103KA01D	10000	50	10%	.05	.03	4000	.008
81-GRM39X223K50D	GRM188R71H223KA01D	22000	50	10%	.08	.04	4000	.012
81-GRM39X333K16D	GRM188R71C333KA01D	33000	16	10%	.09	.05	4000	.014
81-GRM39X333K25D	GRM188R71E333KA01D	33000	25	10%	.10	.059	4000	.016
81-GRM39X473K16D	GRM188R71C473KA01D	47000	16	10%	.10	.06	4000	.017
81-GRM39X473K25D	GRM188R71E473KA01D	47000	25	10%	.11	.064	4000	.017
81-GRM188R71H473KA61	GRM188R71H473KA61D	47000	50	10%	.08	.045	4000	.012
81-GRM39X104K16	GRM188R71C104KA01D	0.1μF	16	10%	.09	.05	4000	.014
81-GRM39X104K25	GRM188R71E104KA01D	0.1μF	25	10%	.12	.069	4000	.019
81-GRM39X104K50D	GRM188R71H104KA93D	0.1μF	50	10%	.07	.04	4000	.011
81-GRM39X224K10D	GRM188R71A224KA01D	.22μF	10	10%	.26	.15	4000	.042
81-GRM188R71C224KA01	GRM188R71C224KA01D	.22μF	16	10%	.14	.08	4000	.022

MURATA Multilayer Ceramic Chip Capacitors

RoHS Compliant This page of product is compliant.

muRata
Innovator in Electronics

CERAMIC CHIP CAPACITORS

Features:
- C0G (NP0), X5R, X7R, Y5V, and Z5U Dielectrics
- No polarity
- 6.3, 10, 16, 25, 50, and 100 Volts
- Available tolerances: ±.25pF, ±.5pF, ±.1pF, 1%, 2%, 5%, 10%, 20%, +80/-20%
- Nickel Barrier Termination standard- highly resistant to metal migration
- For assistance with Global Part Numbers, please contact a Mouser representative

RoHS Compliant

Style 0603 (cont.)

Please call a Mouser representative for information of product not listed.

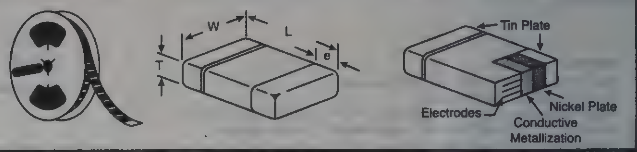
MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: X5R								
81-GRM39R474K10	GRM188R61A474KA61D	0.47μF	10	10%	**.15**	**.09**	4000	**.03**
Temperature Coeff: Y5V								
81-GRM39Y104Z16D	GRM188F51C104ZA01D	0.1μF	16	+80,-20	**.05**	**.03**	4000	**.008**
81-GRM39Y104Z25D	GRM188F51E104ZA01D	0.1μF	25	+80,-20	**.05**	**.03**	4000	**.008**
81-GRM188F5YA104ZA28	GRM188F5YA104ZA28D	0.1μF	35	+80,-20	**.04**	**.03**	4000	**.009**
81-GRM39Y224Z16D	GRM188F51C224ZA01D	0.22μF	16	+80,-20	**.08**	**.046**	4000	**.012**

Style 0805

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: C0G								
81-GRM40C010C50D	GRM2165C1H1R0CD01D	1	50	.25pF	**.09**	**.05**	4000	**.019**
81-GRM40C1R5C50D	GRM2165C1H1R5CD01D	1.5	50	.25pF	**.09**	**.05**	4000	**.019**
81-GRM40C2R2C50D	GRM2165C1H2R2CD01D	2.2	50	.25pF	**.09**	**.05**	4000	**.019**
81-GRM2165C1H3R0CD	GRM2165C1H3R0CD01D	3	50	.25pF	**.09**	**.05**	4000	**.019**
81-GRM40C3R3C50D	GRM2165C1H3R3CD01D	3.3	50	.25pF	**.09**	**.05**	4000	**.019**
81-GRM2165C1H4R0CD	GRM2165C1H4R0CD01D	4	50	.25pF	**.09**	**.05**	4000	**.019**
81-GRM40C4R7C50D	GRM2165C1H4R7CD01D	4.7	50	.25pF	**.09**	**.05**	4000	**.019**
81-GRM40C5R6C50D	GRM2165C1H5R6CD01D	5.6	50	.25pF	**.10**	**.06**	4000	**.021**
81-GRM2165C1H6R8CD01	GRM2165C1H6R8CD01D	6.8	50	.25pF	**.11**	**.06**	4000	**.021**
81-GRM2165C1H7R0CZ	GRM2165C1H7R0CZ01D	7	50	.25pF	**.10**	**.06**	4000	**.021**
81-GRM40C8R2C50D	GRM2165C1H8R2CZ01D	8.2	50	.25pF	**.10**	**.06**	4000	**.021**
81-GRM40C100D50D	GRM2165C1H100JZ01D	10	50	5%	**.09**	**.05**	4000	**.018**
81-GRM2165C1H120JZ	GRM2165C1H120JZ01D	12	50	5%	**.10**	**.06**	4000	**.021**
81-GRM40C150J50D	GRM2165C1H150JZ01D	15	50	5%	**.10**	**.06**	4000	**.02**
81-GRM40C180J50D	GRM2165C1H180JZ01D	18	50	5%	**.10**	**.06**	4000	**.021**
81-GRM40C200J50D	GRM2165C1H200JZ01D	20	50	5%	**.11**	**.07**	4000	**.022**
81-GRM2165C1H220JZ	GRM2165C1H220JZ01D	22	50	5%	**.10**	**.06**	4000	**.02**
81-GRM40C270J50D	GRM2165C1H270JZ01D	27	50	5%	**.10**	**.06**	4000	**.021**
81-GRM40C300J50D	GRM2165C1H300JZ01D	30	50	5%	**.11**	**.07**	4000	**.022**
81-GRM2165C1H330JZ	GRM2165C1H330JZ01D	33	50	5%	**.10**	**.06**	4000	**.02**
81-GRM40C390J50D	GRM2165C1H390JZ01D	39	50	5%	**.10**	**.06**	4000	**.021**
81-GRM2165C1H470JZ	GRM2165C1H470JZ01D	47	50	5%	**.10**	**.06**	4000	**.02**
81-GRM40C680J50D	GRM2165C1H680JZ01D	68	50	5%	**.10**	**.06**	4000	**.02**
81-GRM2165C1H820JZ	GRM2165C1H820JZ01D	82	50	5%	**.10**	**.06**	4000	**.021**
81-GRM40C101J50D	GRM2165C1H101JA01D	100	50	5%	**.08**	**.04**	4000	**.012**
81-GRM215C2A101JA01D	GRM2165C2A101JA01D	100	100	5%	**.10**	**.058**	4000	**.016**
81-GRM2165C1H121JA	GRM2165C1H121JA01D	120	50	5%	**.10**	**.06**	4000	**.021**
81-GRM40C151J50D	GRM2165C1H151JA01D	150	50	5%	**.10**	**.054**	4000	**.015**
81-GRM2165C1H181JA	GRM2165C1H181JA01D	180	50	5%	**.10**	**.06**	4000	**.021**
81-GRM40C221J50D	GRM2165C1H221JA01D	220	50	5%	**.11**	**.066**	4000	**.018**
81-GRM40C271J50D	GRM2165C1H271JA01D	270	50	5%	**.11**	**.038**	4000	**.015**
81-GRM40C331J50D	GRM2165C1H331JA01D	330	50	5%	**.13**	**.07**	4000	**.02**
81-GRM40C391J50D	GRM2165C1H391JA01D	390	50	5%	**.13**	**.08**	4000	**.027**
81-GRM40C471J50D	GRM2165C1H471JA01D	470	50	5%	**.16**	**.054**	4000	**.022**
81-GRM215C2A471JA01L	GRM2165C2A471JA01L	470	100	5%	**.17**	**.10**	4000	**.034**
81-GRM40C561J50D	GRM2165C1H561JA01D	560	50	5%	**.17**	**.10**	4000	**.033**
81-GRM40C681J50D	GRM2165C1H681JA01D	680	50	5%	**.17**	**.10**	4000	**.028**
81-GRM40C102J50D	GRM2165C1H102JA01D	1000	50	5%	**.13**	**.078**	4000	**.021**
81-GRM2165C1H152JA01	GRM2165C1H152JA01D	1500	50	5%	**.14**	**.08**	4000	**.023**
81-GRM2165C1H222JA01	GRM2165C1H222JA01L	2200	50	5%	**.19**	**.12**	4000	**.039**
Temperature Coeff: X7R								
81-GRM40X221K50D	GRM216R71H221KA01D	220	50	10%	**.14**	**.08**	4000	**.028**
81-GRM40X471K50D	GRM216R71H471KA01D	470	50	10%	**.07**	**.04**	4000	**.015**
81-GRM40X102K50D	GRM216R71H102KA01D	1000	50	10%	**.05**	**.03**	4000	**.01**
81-GRM40X102K100D	GRM219R72A102KA01D	1000	100	10%	**.13**	**.08**	4000	**.019**
81-GRM40X152K50D	GRM216R71H152KA01D	1500	50	10%	**.06**	**.04**	4000	**.012**
81-GRM40X222K50D	GRM216R71H222KA01D	2200	50	10%	**.05**	**.03**	4000	**.011**
81-GRM40X332K50D	GRM216R71H332KA01D	3300	50	10%	**.06**	**.04**	4000	**.012**
81-GRM40X392K50D	GRM216R71H392KA01D	3900	50	10%	**.07**	**.04**	4000	**.014**
81-GRM216R71H472KA	GRM216R71H472KA01D	4700	50	10%	**.05**	**.03**	4000	**.011**
81-GRM40X682K50D	GRM216R71H682KA01D	6800	50	10%	**.06**	**.03**	4000	**.012**
81-GRM216R71E103KA01	GRM216R71E103KA01D	10000	25	10%	**.06**	**.03**	4000	**.011**
81-GRM40X103K50D	GRM216R71H103KA01D	10000	50	10%	**.06**	**.03**	4000	**.009**
81-GRM40X103K100L	GRM21BR72A103KA01L	10000	100	10%	**.21**	**.09**	4000	**.033**
81-GRM40X153K50D	GRM216R71H153KA01D	15000	50	10%	**.07**	**.04**	4000	**.014**
81-GRM40X223K50D	GRM216R71H223KA01D	22000	50	10%	**.09**	**.048**	4000	**.013**
81-GRM40X333K50D	GRM219R71H333KA01D	33000	50	10%	**.11**	**.06**	4000	**.017**
81-GRM40X473K25L	GRM219R71E473KA01L	47000	25	10%	**.11**	**.06**	4000	**.022**
81-GRM40X473K50L	GRM21BR71H473KA01L	47000	50	10%	**.15**	**.088**	4000	**.024**
81-GRM40X683K50L	GRM21BR71H683KA01L	68000	50	10%	**.20**	**.118**	4000	**.032**
81-GRM40X104K16D	GRM219R71C104KA01D	0.1μF	16	10%	**.08**	**.05**	4000	**.013**
81-GRM40X104K25L	GRM21BR71E104KA01L	0.1μF	25	10%	**.13**	**.078**	4000	**.021**
81-GRM40X104K50L	GRM21BR71H104KA01L	0.1μF	50	10%	**.13**	**.078**	4000	**.021**
81-GRM40X154K16L	GRM21BR71C154KA01L	0.15μF	16	10%	**.23**	**.14**	4000	**.046**
81-GRM40X224K16D	GRM219R71C224KA01D	0.22μF	16	10%	**.26**	**.16**	4000	**.053**
81-GRM219R71E224KA01	GRM219R71E224KA01L	0.22μF	25	10%	**.20**	**.12**	4000	**.04**
81-GRM40X7R224K050AL	GRM21BR71H224KA01L	0.22μF	50	10%	**.26**	**.158**	4000	**.043**
81-GRM40X334K16L	GRM21BR71C334KA01L	0.33μF	16	10%	**.23**	**.14**	4000	**.047**
81-GRM40X474K16L	GRM219R71C474KC01L	0.47μF	16	10%	**.36**	**.21**	4000	**.059**
81-GRM40X474K25L	GRM21BR71E474KC01L	0.47μF	25	10%	**.37**	**.30**	4000	**.22**
81-GRM40X684K16L	GRM219R71C684KC01L	0.68μF	16	10%	**.22**	**.09**	4000	**.033**
Temperature Coeff: Y5V								
81-GRM40Y104Z25D	GRM216F51E104ZA01D	0.1μF	25	+80,-20	**.07**	**.033**	4000	**.009**
81-GRM40Y104Z50D	GRM219F51H104ZA01D	0.1μF	50	+80,-20	**.08**	**.04**	4000	**.012**
81-GRM40Y224Z25D	GRM219F51E224ZA01D	0.22μF	25	+80,-20	**.14**	**.085**	4000	**.023**

DIMENSIONS: mm



Part No.	L	W	T (max)	e	g min.
GRM188	1.6 ±0.1	0.8 ±0.1	0.8 ±0.1	0.2 to 0.5	0.5
GRM216	2.0 ±0.1	1.25 ±0.1	0.6 ±0.1	0.2 to 0.7	0.7
GRM219			0.85 ±0.1		
GRM21B			1.25 ±0.1		
GRM316	3.2 ±0.15	1.6 ±0.15	0.6 ±0.1	0.3 to 0.8	1.5
GRM319			0.85 ±0.1		
GRM31M			1.15 ±0.1		
GRM32M	3.2 ±0.3	2.5 ±0.2	1.15 ±0.1	0.3	1.0
GRM32N	3.2 ±0.2	2.5 ±0.2	1.35 ±0.15	0.3	1.0
GRM43R	4.5 ±0.4	3.2 ±0.3	1.8 ±0.2	0.3	2.0
GRM55N	5.7 ±0.4	5 ±0.4	1.35 ±0.15	0.3	2.0
GRM55R	5.7 ±0.4	5 ±0.4	1.8 ±0.2	0.3	2.0

Style 0805 (cont.)

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
Temperature Coeff: Y5V (cont.)								
81-GRM40Y474Z16L	GRM21BF51C474ZA01L	0.47μF	16	+80,-20	**.21**	**.12**	4000	**.034**
81-GRM40Y5V474Z025AL	GRM21BF51E474ZA01L	0.47μF	25	+80,-20	**.18**	**.111**	4000	**.031**
Temperature Coeff: Z5U								
81-GRM40Z103M50L	GRM216E41H103MA01L	10000	50	20%	**.11**	**.07**	4000	**.023**
81-GRM40Z473M50D	GRM216E41H473MA01D	47000	50	20%	**.08**	**.045**	4000	**.017**
81-GRM40Z104M50D	GRM219E41H104MA01D	0.1μF	50	20%	**.09**	**.05**	4000	**.014**

Style 1206

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: C0G								
81-GRM426C4R7C50L	GRM3165C1H4R7CD01L	4.7pF	50	0.25pF	**.25**	**.15**	4000	**.046**
81-GRM426C180J050D	GRM3165C1H180JZ01D	18pF	50	5%	**.22**	**.13**	4000	**.04**
81-GRM315C1H470JZ01D	GRM3165C1H470JZ01D	47pF	50	5%	**.25**	**.15**	4000	**.045**
81-GRM426C101J050D	GRM3165C1H101JZ01D	100pF	50	5%	**.27**	**.16**	4000	**.049**
81-GRM426C221J050D	GRM3165C1H221JZ01D	220pF	50	5%	**.38**	**.23**	4000	**.069**
81-GRM426C331J50D	GRM3165C1H331JZ01D	330pF	50	5%	**.46**	**.27**	4000	**.083**
81-GRM426C681J050D	GRM3165C1H681JZ01D	680pF	50	5%	**.48**	**.28**	4000	**.087**
81-GRM426C102J050L	GRM3195C1H102JA01D	1000pF	50	5%	**.72**	**.42**	4000	**.129**
Temperature Coeff: X7R								
81-GRM319R71H102KA01	GRM319R71H102KA01D	1000	50	10%	**.14**	**.08**	4000	**.025**
81-GRM319R71H103KA01	GRM319R71H103KA01D	.01μF	50	10%	**.14**	**.085**	4000	**.023**
81-GRM426X223K50D	GRM319R71H223KA01D	.022μF	50	10%	**.42**	**.24**	4000	**.075**
81-GRM426X473K50D	GRM319R71H473KA01D	.047μF	50	10%	**.48**	**.28**	4000	**.086**
81-GRM426X104K50L	GRM319R71H104KA01L	.1μF	50	10%	**.18**	**.10**	4000	**.032**
81-GRM31MR71H154KA01	GRM31MR71H154KA01L	.15μF	50	10%	**.30**	**.18**	4000	**.054**
81-GRM426X224K25L	GRM31MR71E224KA01L	.22μF	25	10%	**.25**	**.14**	4000	**.044**
81-GRM319R71H224KA	GRM319R71H224KA01D	.22μF	50	10%	**.31**	**.18**	4000	**.051**
81-GRM319R71C334KA01	GRM319R71C334KA01L	.33μF	16	10%	**.30**	**.17**	4000	**.053**
81-GRM426X334K025D	GRM319R71E334KA01D	.33μF	25	10%	**.43**	**.36**	4000	**.25**
81-GRM426X334K50D	GRM319R71H334KA01D	.33μF	50	10%	**.43**	**.36**	4000	**.25**
81-GRM426X474K16D	GRM319R71C474KC01D	.47μF	16	10%	**.57**	**.33**	4000	**.102**
81-GRM426X474K25L	GRM319R71E474KC01L	.47μF	25	10%	**.57**	**.33**	4000	**.102**
81-GRM426X474K50L	GRM31MR71H474KA01L	.47μF	50	10%	**.61**	**.36**	4000	**.101**
Temperature Coeff: Y5V								
81-GRM426Y334Z50D	GRM319F51H334ZA01D	.33μF	50	+80,-20	**.22**	**.13**	4000	**.036**
81-GRM426Y474Z50L	GRM31MF51H474ZA01L	.47μF	50	+80,-20	**.42**	**.35**	4000	**.25**
Temperature Coeff: Z5U								
81-GRM319E41H224MA01	GRM319E41H224MA01L	.22μF	50	20%	**.25**	**.065**	4000	**.06**

Style 1210

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: X7R								
81-GRM422X104K50L	GRM32MR71H104KA01L	.1μF	50	10%	**.22**	**.19**	3000	**.10**
81-GRM422X104K100L	GRM32NR72A104KA01L	.1μF	100	10%	**.30**	**.23**	2000	**.13**
81-GRM422X224K050L	GRM32NR71H224KA01L	.22μF	50	10%	**.40**	**.30**	2000	**.17**
81-GRM422X334K016L	GRM32NR71C334KD01L	.33μF	16	10%	**.75**	**.56**	2000	**.33**
81-GRM422X474K50L	GRM32MR71H474KA01L	.47μF	50	10%	**.28**	**.24**	3000	**.12**

Style 1812

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: X7R								
81-GRM43RR72D104KW51	GRM43RR72D104KW51L	.1μF	200	10%	**.54**	**.47**	1000	**.258**
81-GRM432X224K100L	GRM43RR72A224KA01L	.22μF	100	10%	**.54**	**.47**	1000	**.258**
81-GRM43RR71H334KA	GRM43RR71H334KA01L	.33μF	50	10%	**.52**	**.45**	1000	**.26**
81-GRM432X474K50	GRM43RR71H474KA01L	.47μF	50	10%	**.61**	**.52**	1000	**.31**

Style 2220

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Volt (DC)	Tol.±	Price Each 1	Price Each 100	Reel Qty.	Price per Piece
Temperature Coeff: C0G								
81-GRM55N5C1H163JD01	GRM55N5C1H163JD01L	.016μF	50	5%	**4.90**	**3.15**	1000	**1.12**
81-GRM55R5C1H203JD01	GRM55R5C1H203JD01L	.02μF	50	5%	**6.11**	**3.93**	1000	**1.40**
81-GRM55R5C1H243JD01	GRM55R5C1H243JD01L	.024μF	50	5%	**6.99**	**4.59**	1000	**1.63**
81-GRM55R5C1H303JD01	GRM55R5C1H303JD01L	.03μF	50	5%	**7.89**	**5.07**	1000	**1.80**
81-GRM55R5C1H363JD01	GRM55R5C1H363JD01L	.036μF	50	5%	**8.68**	**5.58**	1000	**1.98**
81-GRM555C1H433JD01L	GRM55R5C1H433JD01L	.043μF	50	5%	**8.93**	**6.38**	1000	**1.91**

MURATA High Frequency Ceramic Chip Capacitors

RoHS Compliant This page of product is compliant.

GJM SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q

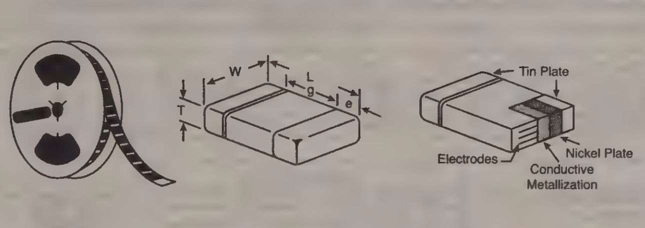
GJM SERIES: The Murata GJM series is a high Q ultra small capacitor series for high frequency applications in the 500MHz to 10GHz range, suitable for VCO and PA Module applications. The GJM series of capacitors are made with copper electrodes for low ESR and low power consumption due to the high Q (low loss) performance. This series is offered in EIA sizes 0201 and 0402. They are RoHS compliant.

Features:
- C0G Dielectric
- Low ESR
- Operating Temperature: -55°C to +125°C

RoHS Compliant

Part No.	L	W	T	e	g min.
GJM03	0.6 ±0.03	0.3 ±0.03	0.3 ±0.03	0.1 to 0.2	0.2
GJM15	1.0 ±0.05	0.5 ±0.05	0.5 ±0.05	0.15 to 0.3	0.4

DIMENSIONS: mm



Application Specific Guidelines

Product Series		GQM	GJM
Communication	Base Station	X	
	Bluetooth Modules		X
	PC Modules	X	
	Cell Phones	X	X
Wireless	Wireless Handhelds	X	X
	Remote Keyless Entry	X	X
	Wireless LAN	X	X

Cross Reference

	GQM			GJM		
Case Sizes	0603	0805	1210	0201	0402	0603
ATC 650	X	X			X	X
Johanson "S"	X			X	X	X
Johanson "L"	X	X	X		X	X

GJM Series

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each				Reel Qty.	Price per Piece
						1	50	100	500		
81-GJM0335C1ER20BB01	GJM0335C1ER20BB01D	0201	0.2	25	0.1pF	.14	.12	.11	.10	15000	.036
81-GJM0335C1ER40BB01	GJM0335C1ER40BB01D	0201	0.4	25	0.1pF	.14	.12	.11	.10	15000	.036
81-GJM0335C1E1R0BB01	GJM0335C1E1R0BB01D	0201	1.0	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E1R1BB01	GJM0335C1E1R1BB01D	0201	1.1	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E1R2BB01	GJM0335C1E1R2BB01D	0201	1.2	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E1R3BB01	GJM0335C1E1R3BB01D	0201	1.3	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E1R5BB01	GJM0335C1E1R5BB01D	0201	1.5	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E2R0BB01	GJM0335C1E2R0BB01D	0201	2.0	25	0.1pF	.41	.31	.25	.16	15000	.041
81-GJM0335C1E2R2BB01	GJM0335C1E2R2BB01D	0201	2.2	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E2R7BB01	GJM0335C1E2R7BB01D	0201	2.7	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E3R0BB01	GJM0335C1E3R0BB01D	0201	3.0	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E3R3BB01	GJM0335C1E3R3BB01D	0201	3.3	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E3R9BB01	GJM0335C1E3R9BB01D	0201	3.9	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E4R3BB01	GJM0335C1E4R3BB01D	0201	4.3	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E4R7BB01	GJM0335C1E4R7BB01D	0201	4.7	25	0.1pF	.14	.12	.11	.10	15000	.041
81-GJM0335C1E5R1CB01	GJM0335C1E5R1CB01D	0201	5.1	25	0.25pF	.07	.06	.05	.039	15000	.018
81-GJM0335C1E5R6CB01	GJM0335C1E5R6CB01D	0201	5.6	25	0.25pF	.09	.07	.06	.039	15000	.018
81-GJM0335C1E6R2CB01	GJM0335C1E6R2CB01D	0201	6.2	25	0.25pF	.09	.07	.06	.039	15000	.018
81-GJM0335C1E6R8CB01	GJM0335C1E6R8CB01D	0201	6.8	25	0.25pF	.09	.07	.06	.039	15000	.018
81-GJM1555C1HR10BB01	GJM1555C1HR10BB01D	0402	0.1	50	0.1pF	.18	.15	.13	.12	10000	.05
81-GJM1555C1HR40BB01	GJM1555C1HR40BB01D	0402	0.4	50	0.1pF	.18	.15	.13	.12	10000	.05
81-GJM1555C1HR75CB01	GJM1555C1HR75CB01D	0402	0.8	50	0.25pF	.08	.07	.06	.05	10000	.022
81-GJM1555C1H1R0BB01	GJM1555C1H1R0BB01D	0402	1.0	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H1R1BB01	GJM1555C1H1R1BB01D	0402	1.1	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H1R2BB01	GJM1555C1H1R2BB01D	0402	1.2	50	0.1pF	.18	.15	.13	.12	10000	.05
81-GJM1555C1H1R3BB01	GJM1555C1H1R3BB01D	0402	1.3	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H1R5CB01	GJM1555C1H1R5CB01D	0402	1.5	50	0.25pF	.07	.06	.041	.024	10000	.011
81-GJM1555C1H2R0BB01	GJM1555C1H2R0BB01D	0402	2.0	50	0.1pF	.18	.15	.13	.12	10000	.05
81-GJM1555C1H2R2BB01	GJM1555C1H2R2BB01D	0402	2.2	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H2R4BB01	GJM1555C1H2R4BB01D	0402	2.4	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H2R7BB01	GJM1555C1H2R7BB01D	0402	2.7	50	0.1pF	.18	.15	.13	.12	10000	.05
81-GJM1555C1H3R0BB01	GJM1555C1H3R0BB01D	0402	3.0	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H3R3BB01	GJM1555C1H3R3BB01D	0402	3.3	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H3R6BB01	GJM1555C1H3R6BB01D	0402	3.6	50	0.1pF	.18	.15	.13	.12	10000	.05
81-GJM1555C1H3R9BB01	GJM1555C1H3R9BB01D	0402	3.9	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H4R3BB01	GJM1555C1H4R3BB01D	0402	4.3	50	0.1pF	.18	.15	.13	.12	10000	.05
81-GJM1555C1H4R7BB01	GJM1555C1H4R7BB01D	0402	4.7	50	0.1pF	.16	.13	.11	.10	10000	.043
81-GJM1555C1H5R1CB01	GJM1555C1H5R1CB01D	0402	5.1	50	0.25pF	.07	.06	.041	.024	10000	.011
81-GJM1555C1H5R6CB01	GJM1555C1H5R6CB01D	0402	5.6	50	0.25pF	.07	.06	.041	.024	10000	.011
81-GJM1555C1H6R2CB01	GJM1555C1H6R2CB01D	0402	6.2	50	0.25pF	.07	.06	.041	.024	10000	.011
81-GJM1555C1H6R8CB01	GJM1555C1H6R8CB01D	0402	6.8	50	0.25pF	.07	.06	.041	.024	10000	.011
81-GJM1555C1H7R5CB01	GJM1555C1H7R5CB01D	0402	7.5	50	0.25pF	.07	.06	.041	.024	10000	.011
81-GJM1555C1H8R2CB01	GJM1555C1H8R2CB01D	0402	8.2	50	0.25pF	.08	.07	.06	.05	10000	.022
81-GJM1555C1H9R0CB01	GJM1555C1H9R0CB01D	0402	9.0	50	0.25pF	.07	.06	.041	.024	10000	.011
81-GJM1555C1H9R1CB01	GJM1555C1H9R1CB01D	0402	9.1	50	0.25pF	.07	.06	.041	.024	10000	.011
81-GJM1555C1H100GB01	GJM1555C1H100GB01D	0402	10	50	2%	.16	.13	.11	.10	10000	.043
81-GJM1555C1H120GB01	GJM1555C1H120GB01D	0402	12	50	2%	.16	.13	.11	.10	10000	.043
81-GJM1555C1H150GB01	GJM1555C1H150GB01D	0402	15	50	2%	.16	.13	.11	.10	10000	.043
81-GJM1555C1H180GB01	GJM1555C1H180GB01D	0402	18	50	2%	.16	.13	.11	.10	10000	.043
81-GJM1555C1H200GB01	GJM1555C1H200GB01D	0402	20	50	2%	.16	.13	.11	.10	10000	.043

MURATA High Frequency Ceramic Chip Capacitors

RoHS Compliant This page of product is compliant.

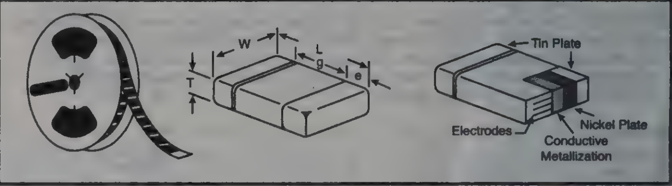
ERB SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q

ERB SERIES: Murata high Q capacitors come with higher Q and lower ESR - better than standard products of equivalent packages. They offer low ESR in the 1 MHz to 1 GHz frequency range. The ERB series of capacitors are designed with precious metal inner electrodes. These surface mount capacitors are available in voltages up to 500V. They are RoHS compliant.

- C0G Dielectric
- Low ESR
- Operating Temperature: -55°C to +125°C

Part No.	L	W	T	e	g min.
ERB188	1.6 ±0.1	0.8 ±0.1	0.9 max	0.2	0.5
ERB21B	2.0 ± 0.3	1.25 ± 0.3	1.25 ± 0.2	0.25 min	0.7
ERB32Q	3.2 ± 0.3	2.5 ± 0.3	1.7 max	0.3 min	1.0

DIMENSIONS: mm



Industry	Application
Communication Equipment	Base Station
	Bluetooth Modules
	PC Modules
	Cell Phones
Wireless	Wireless Handhelds
	Remote Keyless Entry
Security	Wireless LAN

RoHS Compliant

Cross Reference			
Case Sizes	0603	0805	1210
ATC 600	X	X	
ATC 650		X	X
Johanson "C"	X	X	X

ERB Series

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each				Reel Qty.	Price per Piece
						1	50	100	500		
81-ERB188C2D1R5BDX1D	ERB1885C2D1R5BDX1D	0603	1.5	200	±.1pF	.14	.12	.10	.098	4000	.096
81-ERB1885C2D1R8BDX1	ERB1885C2D1R8BDX1D	0603	1.8	200	±.1pF	.14	.12	.10	.098	4000	.096
81-ERB1885C2D2R0CDX1	ERB1885C2D2R0CDX1D	0603	2.0	200	±.25pF	.14	.13	.12	.10	4000	.05
81-ERB1885C2D2R2BDX1	ERB1885C2D2R2BDX1D	0603	2.2	200	±.1pF	.14	.12	.10	.098	4000	.096
81-ERB1885C2D3R9BDX1	ERB1885C2D3R9BDX1D	0603	3.9	200	±.1pF	.14	.12	.10	.098	4000	.096
81-ERB188C2D4R3CDX1D	ERB1885C2D4R3CDX1D	0603	4.3	200	±.25pF	.10	.08	.06	.05	4000	.04
81-ERB188C2D4R7BDX1D	ERB1885C2D4R7BDX1D	0603	4.7	200	±.1pF	.20	.18	.16	.098	4000	.096
81-ERB188C2D5R1CDX1D	ERB1885C2D5R1CDX1D	0603	5.1	200	±.25pF	.15	.13	.09	.08	4000	.06
81-ERB188C2D5R6CDX1D	ERB1885C2D5R6CDX1D	0603	5.6	200	±.25pF	.12	.10	.07	.06	4000	.05
81-ERB188C2D6R2CDX1D	ERB1885C2D6R2CDX1D	0603	6.2	200	±.25pF	.12	.10	.07	.06	4000	.05
81-ERB1885C2D6R8CDX1	ERB1885C2D6R8CDX1D	0603	6.8	200	±.25pF	.14	.13	.12	.11	4000	.08
81-ERB21B5C2D1R0CDX1	ERB21B5C2D1R0CDX1L	0805	1.0	200	±.25pF	.28	.26	.24	.21	3000	.16
81-ERB21B5C2D1R2CL	ERB21B5C2D1R2CDX1L	0805	1.2	200	±.25pF	.24	.23	.21	.18	3000	.13
81-ERB21B5C2D1R6CL	ERB21B5C2D1R6CDX1L	0805	1.6	200	±.25pF	.24	.23	.21	.18	3000	.13
81-ERB21B5C2D1R8CL	ERB21B5C2D1R8CDX1L	0805	1.8	200	±.25pF	.24	.23	.21	.18	3000	.13
81-ERB21B5C2D2R0CL	ERB21B5C2D2R0CDX1L	0805	2.0	200	±.25pF	.24	.23	.21	.18	3000	.13
81-ERB21B5C2D2R2CDX1	ERB21B5C2D2R2CDX1L	0805	2.2	200	±.25pF	.24	.23	.21	.18	3000	.14
81-ERB21BC2D2R7CDX1L	ERB21B5C2D2R7CDX1L	0805	2.7	200	±.25pF	.27	.22	.16	.14	3000	.12
81-ERB21B5C2D3R0CDXL	ERB21B5C2D3R0CDX1L	0805	3.0	200	±.25pF	.21	.19	.17	.15	3000	.13
81-ERB21BC2D3R3CDX1L	ERB21B5C2D3R3CDX1L	0805	3.3	200	±.25pF	.33	.32	.30	.26	3000	.15
81-ERB21B5C2D3R6CL	ERB21B5C2D3R6CDX1L	0805	3.6	200	±.25pF	.33	.33	.32	.30	3000	.23
81-ERB21BC2D3R9CDX1L	ERB21B5C2D3R9CDX1L	0805	3.9	200	±.25pF	.36	.34	.32	.27	3000	.16
81-ERB21BC2D5R1CDX1L	ERB21B5C2D5R1CDX1L	0805	5.1	200	±.25pF	.31	.30	.28	.24	3000	.14
81-ERB21BC2D5R6DDX1L	ERB21B5C2D5R6DDX1L	0805	5.6	200	±.5pF	.33	.32	.30	.26	3000	.15
81-ERB21BC2D6R2DDX1L	ERB21B5C2D6R2DDX1L	0805	6.2	200	±.5pF	.33	.32	.30	.26	3000	.15
81-ERB21BC2D8R2DDX1L	ERB21B5C2D8R2DDX1L	0805	8.2	200	±.5pF	.37	.35	.34	.29	3000	.17
81-ERB21BC2D100JDX1L	ERB21B5C2D100JDX1L	0805	10	200	±5%	.19	.18	.17	.15	3000	.13
81-ERB21B5C2D120JDX1	ERB21B5C2D120JDX1L	0805	12	200	±5%	.35	.33	.32	.27	3000	.16
81-ERB21BC2D150JDX1L	ERB21B5C2D150JDX1L	0805	15	200	±5%	.33	.32	.30	.26	3000	.17
81-ERB21BC2D180JDX1L	ERB21B5C2D180JDX1L	0805	18	200	±5%	.38	.36	.34	.29	3000	.17
81-ERB21BC2D220JDX1L	ERB21B5C2D220JDX1L	0805	22	200	±5%	.38	.36	.34	.29	3000	.17
81-ERB21B5C2D330JDX1	ERB21B5C2D330JDX1L	0805	33	200	±5%	.33	.32	.30	.26	3000	.17
81-ERB21BC2D390JDX1L	ERB21B5C2D390JDX1L	0805	39	200	±5%	.36	.34	.32	.27	3000	.16
81-ERB21BC2D430JDX1L	ERB21B5C2D430JDX1L	0805	43	200	±5%	.28	.23	.16	.14	3000	.12
81-ERB21BC2D470JDX1L	ERB21B5C2D470JDX1L	0805	47	200	±5%	.29	.24	.17	.15	3000	.13
81-ERB21BC2D510JDX1L	ERB21B5C2D510JDX1L	0805	51	200	±5%	.31	.25	.18	.16	3000	.13
81-ERB21B5C2D560JDX1	ERB21B5C2D560JDX1L	0805	56	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21BC2D620JDX1L	ERB21B5C2D620JDX1L	0805	62	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21B5C2D680JDX1	ERB21B5C2D680JDX1L	0805	68	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21BC2D750JDX1L	ERB21B5C2D750JDX1L	0805	75	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21BC2D820JDX1L	ERB21B5C2D820JDX1L	0805	82	200	±5%	.41	.37	.34	.31	3000	.25
81-ERB21BC2D910JDX1L	ERB21B5C2D910JDX1L	0805	91	200	±5%	.41	.33	.24	.21	3000	.1[illegible]
81-ERB21B5C2D101JDXL	ERB21B5C2D101JDX1L	0805	100	200	±5%	1.52	1.01	.71	.406	3000	.203
81-ERB21B5C2A121JDX1	ERB21B5C2A121JDX1L	0805	120	100	±5%	.52	.47	.43	.39	3000	.32
81-ERB21B5C2A131JL	ERB21B5C2A131JDX1L	0805	130	100	±5%	.52	.50	.47	.43	3000	.34
81-ERB21B5C2A141JL	ERB21B5C2A141JDX1L	0805	140	100	±5%	.52	.50	.47	.43	3000	.34
81-ERB21BC1H151JDX1L	ERB21B5C1H151JDX1L	0805	150	50	±5%	.48	.39	.27	.24	3000	.20
81-ERB32QC2H3R3CDX1L	ERB32Q5C2H3R3CDX1L	1210	3.3	500	±5%	.63	.57	.52	.47	2000	.39
81-ERB32QC2H4R7CDX1L	ERB32Q5C2H4R7CDX1L	1210	4.7	500	±5%	.63	.57	.52	.47	2000	.39
81-ERB32QC2H5R1CDX1L	ERB32Q5C2H5R1CDX1L	1210	5.1	500	±5%	.63	.57	.52	.47	2000	.39
81-ERB32Q5C2H100JDX1	ERB32Q5C2H100JDX1L	1210	10	500	±5%	.63	.57	.52	.47	2000	.39
81-ERB32QC2H120JDX1L	ERB32Q5C2H120JDX1L	1210	12	500	±5%	.58	.55	.52	.44	2000	.42
81-ERB32Q5C2H150JDX1	ERB32Q5C2H150JDX1L	1210	15	500	±5%	.89	.81	.74	.67	2000	.55
81-ERB32Q5C2H180JDX1	ERB32Q5C2H180JDX1L	1210	18	500	±5%	.89	.81	.74	.67	2000	.55
81-ERB32QC2H220JDX1L	ERB32Q5C2H220JDX1L	1210	22	500	±5%	.67	.64	.61	.52	2000	.48
81-ERB32QC2H360JDX1L	ERB32Q5C2H360JDX1L	1210	36	500	±5%	.58	.55	.52	.44	2000	.42
81-ERB32Q5C2H390JDX1	ERB32Q5C2H390JDX1L	1210	39	500	±5%	.89	.81	.74	.67	2000	.55
81-ERB32Q5C2H470JDXL	ERB32Q5C2H470JDX1L	1210	47	500	±5%	.62	.59	.56	.48	2000	.28
81-ERB32QC2H560JDX1L	ERB32Q5C2H560JDX1L	1210	56	500	±5%	.62	.59	.56	.48	2000	.46
81-ERB32QC2H680JDX1L	ERB32Q5C2H680JDX1L	1210	68	500	±5%	.66	.63	.60	.51	2000	.49
81-ERB32QC2H101JDX1L	ERB32Q5C2H101JDX1L	1210	100	500	±5%	.80	.77	.73	.62	2000	.55
81-ERB32QC2H121JDX1L	ERB32Q5C2H121JDX1L	1210	120	500	±5%	.90	.86	.82	.69	2000	.55
81-ERB32QC2D221JDX1L	ERB32Q5C2D221JDX1L	1210	220	200	±5%	.94	.85	.77	.70	2000	.58
81-ERB32Q5C2A471JDX1	ERB32Q5C2A471JDX1L	1210	470	100	±5%	1.19	1.08	.98	.89	2000	.74
81-ERB32Q5C1H102JDX1	ERB32Q5C1H102JDX1L	1210	1000	50	±5%	1.49	1.30	1.11	.93	2000	.74

MURATA High Frequency Ceramic Chip Capacitors

muRata
Innovator in Electronics

RoHS Compliant **This page of product is compliant.**

GQM SERIES MULTILAYER, HIGH FREQUENCY, HIGH Q

The Murata high Q capacitors are used from 500MHz to 10GHz for handheld and cellular applications.
These capacitors are made with copper electrodes for very low ESR and high Q in GHz frequencies, and high RF current handling capability.
This series is offered in EIA sized 0603, 0805 and 1210, and is available in tight tolerance versions. They are RoHS compliant.

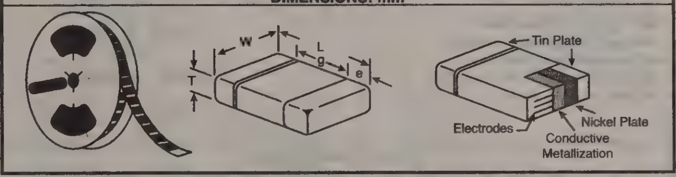
RoHS Compliant

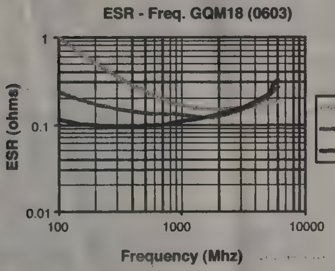
Features:
- C0G Dielectric
- Low ESR
- Operating Temperature: -55°C to +125°C

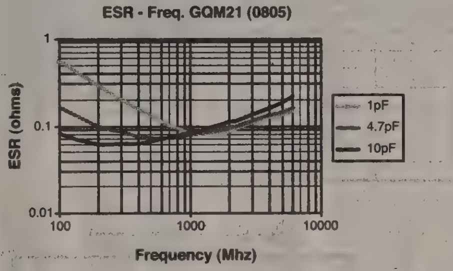
Applications:
- Base Station Power Amps
- Broadcasting Equipment
- Cell Phones
- PA Modules

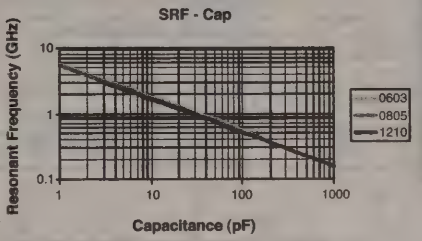
Part No.	L	W	T	e	g min.
GQM188	1.6±0.1	0.8±0.1	0.8±0.1	0.2 to 0.5	0.5
GQM219	2.0±0.1	1.25±0.1	0.85±0.1	0.2 to 0.7	0.7

DIMENSIONS: mm









GQM Series

Please call a Mouser representative for information of product not listed.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (pF)	Volt (DC)	Tolerance ±	Price Each				Reel Qty.	Price per Piece
						1	50	100	500		
81-GQM1885C2AR10BB01	GQM1885C2AR10BB01D	0603	0.1	100	0.1pF	1.01	.96	.91	.78	4000	.41
81-GQM1885C2AR50BB01	GQM1885C2AR50BB01D	0603	0.5	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A1R0BB01	GQM1885C2A1R0BB01D	0603	1.0	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A1R2BB01	GQM1885C2A1R2BB01D	0603	1.2	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A1R5BB01	GQM1885C2A1R5BB01D	0603	1.5	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A1R8BB01	GQM1885C2A1R8BB01D	0603	1.8	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A2R2BB01	GQM1885C2A2R2BB01D	0603	2.2	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A2R7BB01	GQM1885C2A2R7BB01D	0603	2.7	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A3R3BB01	GQM1885C2A3R3BB01D	0603	3.3	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A3R9BB01	GQM1885C2A3R9BB01D	0603	3.9	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A4R7BB01	GQM1885C2A4R7BB01D	0603	4.7	100	0.1pF	.71	.68	.65	.55	4000	.29
81-GQM1885C2A5R1CB01	GQM1885C2A5R1CB01D	0603	5.1	100	0.25pF	.55	.53	.50	.376	4000	.181
81-GQM1885C2A6R8CB01	GQM1885C2A6R8CB01D	0603	6.8	100	0.25pF	.60	.57	.54	.406	4000	.195
81-GQM1885C1H7R5CB01	GQM1885C1H7R5CB01D	0603	7.5	50	0.25pF	.65	.62	.60	.446	4000	.214
81-GQM1885C1H8R2CB01	GQM1885C1H8R2CB01D	0603	8.2	50	0.25pF	.65	.62	.60	.446	4000	.214
81-GQM1885C1H100GB01	GQM1885C1H100GB01D	0603	10	50	2%	.85	.81	.77	.66	4000	.35
81-GQM1885C1H120GB01	GQM1885C1H120GB01D	0603	12	50	2%	1.21	1.15	1.10	.93	4000	.49
81-GQM1885C1H150GB01	GQM1885C1H150GB01D	0603	15	50	2%	1.21	1.15	1.10	.93	4000	.49
81-GQM1885C1H220GB01	GQM1885C1H220GB01D	0603	22	50	2%	1.21	1.15	1.10	.93	4000	.49
81-GQM1885C1H270GB01	GQM1885C1H270GB01D	0603	27	50	2%	1.31	1.25	1.19	1.01	4000	.53
81-GQM1885C1H330GB01	GQM1885C1H330GB01D	0603	33	50	2%	1.31	1.25	1.19	1.01	4000	.53
81-GQM1885C1H390GB01	GQM1885C1H390GB01D	0603	39	50	2%	1.31	1.25	1.19	1.01	4000	.53
81-GQM1885C1H470GB01	GQM1885C1H470GB01D	0603	47	50	2%	1.31	1.25	1.19	1.01	4000	.53
81-GQM1885C1H560GB01	GQM1885C1H560GB01D	0603	56	50	2%	1.31	1.25	1.19	1.01	4000	.53
81-GQM1885C1H680GB01	GQM1885C1H680GB01D	0603	68	50	2%	1.31	1.25	1.19	1.01	4000	.53
81-GQM1885C1H820GB01	GQM1885C1H820GB01D	0603	82	50	2%	1.31	1.25	1.19	1.01	4000	.53
81-GQM1885C1H101GB01	GQM1885C1H101GB01D	0603	100	50	2%	1.31	1.25	1.19	1.01	4000	.53
81-GQM2195C2AR20BB01	GQM2195C2AR20BB01D	0805	0.2	100	0.1pF	1.31	1.25	1.19	1.01	4000	.53
81-GQM2195C2AR50BB01	GQM2195C2AR50BB01D	0805	0.5	100	0.1pF	.94	.90	.85	.73	4000	.38
81-GQM2195C2A1R0BB01	GQM2195C2A1R0BB01D	0805	1.0	100	0.1pF	.93	.89	.85	.72	4000	.38
81-GQM2195C2A1R2BB01	GQM2195C2A1R2BB01D	0805	1.2	100	0.1pF	.93	.89	.85	.72	4000	.38
81-GQM2195C2A1R5BB01	GQM2195C2A1R5BB01D	0805	1.5	100	0.1pF	.93	.89	.85	.72	4000	.38
81-GQM2195C2A1R8BB01	GQM2195C2A1R8BB01D	0805	1.8	100	0.1pF	.93	.89	.85	.72	4000	.38
81-GQM2195C2A2R2BB01	GQM2195C2A2R2BB01D	0805	2.2	100	0.1pF	.93	.89	.85	.72	4000	.38
81-GQM2195C2A2R7BB01	GQM2195C2A2R7BB01D	0805	2.7	100	0.1pF	.93	.89	.85	.72	4000	.38
81-GQM2195C2A3R3BB01	GQM2195C2A3R3BB01D	0805	3.3	100	0.1pF	.93	.89	.85	.72	4000	.38
81-GQM2195C2A3R9BB01	GQM2195C2A3R9BB01D	0805	3.9	100	0.1pF	.94	.90	.85	.73	4000	.38
81-GQM2195C2A4R7BB01	GQM2195C2A4R7BB01D	0805	4.7	100	0.1pF	.93	.89	.85	.72	4000	.38
81-GQM2195C2A5R1CB01	GQM2195C2A5R1CB01D	0805	5.1	100	0.25pF	.77	.74	.70	.526	4000	.253
81-GQM2195C2A6R8CB01	GQM2195C2A6R8CB01D	0805	6.8	100	0.25pF	.77	.74	.70	.526	4000	.253
81-GQM2195C2A7R5CB01	GQM2195C2A7R5CB01D	0805	7.5	100	0.25pF	.85	.81	.77	.578	4000	.278
81-GQM2195C2A8R2CB01	GQM2195C2A8R2CB01D	0805	8.2	100	0.25pF	.85	.81	.77	.578	4000	.278
81-GQM2195C2A100GB01	GQM2195C2A100GB01D	0805	10	100	2%	1.10	1.05	1.00	.85	4000	.45
81-GQM2195C2A120GB01	GQM2195C2A120GB01D	0805	12	100	2%	1.58	1.51	1.43	1.22	4000	.65
81-GQM2195C2A150GB01	GQM2195C2A150GB01D	0805	15	100	2%	1.59	1.52	1.45	1.23	4000	.65
81-GQM2195C1H220GB01	GQM2195C1H220GB01D	0805	22	50	2%	1.59	1.52	1.45	1.23	4000	.65
81-GQM2195C1H270GB01	GQM2195C1H270GB01D	0805	27	50	2%	1.59	1.52	1.45	1.23	4000	.65
81-GQM2195C1H330GB01	GQM2195C1H330GB01D	0805	33	50	2%	1.58	1.51	1.43	1.22	4000	.65
81-GQM2195C1H390GB01	GQM2195C1H390GB01D	0805	39	50	2%	2.38	2.27	2.16	1.84	4000	.97
81-GQM2195C1H470GB01	GQM2195C1H470GB01D	0805	47	50	2%	2.35	2.24	2.14	1.82	4000	.96
81-GQM2195C1H560GB01	GQM2195C1H560GB01D	0805	56	50	2%	2.54	2.42	2.31	1.96	4000	1.04
81-GQM2195C1H680GB01	GQM2195C1H680GB01D	0805	68	50	2%	2.54	2.42	2.31	1.96	4000	1.04
81-GQM2195C1H820GB01	GQM2195C1H820GB01D	0805	82	50	2%	2.54	2.42	2.31	1.96	4000	1.04
81-GQM2195C1H101GB01	GQM2195C1H101GB01D	0805	100	50	2%	2.54	2.42	2.31	1.96	4000	1.04

MURATA High Voltage Ceramic Chip Capacitors

RoHS Compliant This page of product is compliant.

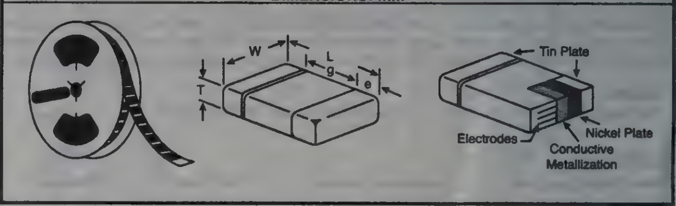
GR4 SERIES MULTILAYER CERAMIC CHIP CAPACITORS

Features:

- Lead Free
- 250 V - 3.15kV
- Meets special Hi-Voltage needs
- Base metal and lead-free technology
- GA3 is safety Rated (Y2/Y3)
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: X7R

RoHS Compliant

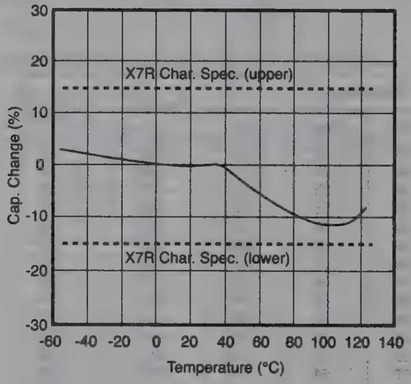
DIMENSIONS: mm



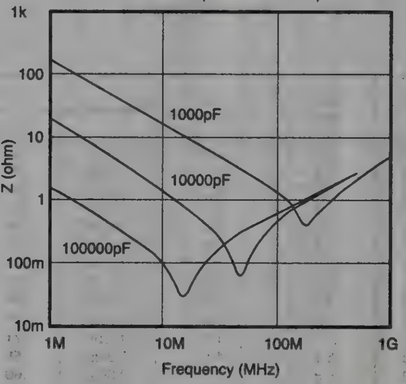
Application Selection Guide				
Series		GRM	GR4	GA3
Modem	DAA Modem	•		•
	xDSL Modem	•		•
Network	Set Top Box	•	•	•
	LAN, Router, HUB, Switch, etc.	•	•	
Flat Panel Display	LCD Back Light Inverter	•		
	PDP Panel	•		
Power Supply	Switching Power Supply, AC Adapter	•	•	•
	DC/DC Converter	•	•	
	Battery Charger for Cellphone	•		•
Lighting	Electric Ballast for Flourescent Lamp	•		•
	Electric Ballast for CFL	•		•

Part No.	L	W	T (max)	e	g min.
GR431B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3	0.3 min.	1.2
GR431C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2		
GR442Q	4.5 ±0.3	2.0 ±0.2	1.5 +0,-0.3		2.5
GR443D	4.5 ±0.4	3.2 ±0.3	2.0 +0,-0.3		
GR443Q	4.5 ±0.4	3.2 ±0.3	1.5 +0,-0.3		
GR731B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3		1.2
GR731C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2		
GR732D	3.2 ±0.2	2.5 ±0.2	2.0 +0,-0.3		
GR732Q	3.2 ±0.2	2.5 ±0.2	1.5 +0,-0.3		

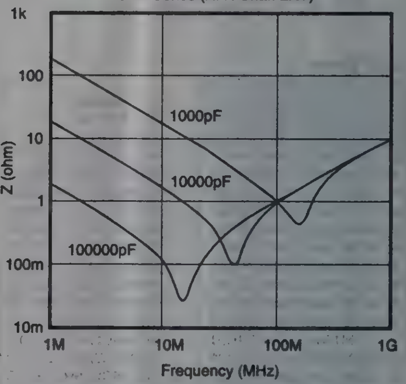
X7R Characteristics



GR4 Series (X7R Char. 250V)



GR4 Series (X7R Char. 2KV)



GR4 Series High Voltage SMD Ceramic Capacitors

- Isolation Lan Ethernet and DC/DC only
- Satisfies IEEE 802.3 requirements

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Vdc (V)	Tolerance ±	Price Each				Reel Qty.	Price per Piece
					1	50	100	500		
1206 Case Size - for Information Devices / Tip & Ring										
81-GR431BR7LA102KW01	GR431BR7LA102KW01L	1000	2KV	±10%	.34	.29	.26	.23	2000	.13
81-GR431CR72E104KW03	GR431CR72E104KW03L	.1μF	250	±10%	.19	.15	.11	.10	2000	.08
1808 Case Size - for Information Devices / Tip & Ring										
81-GR442QR73D101KW01	GR442QR73D101KW01L	100	2KV	±10%	.72	.60	.54	.48	2000	.27
81-GR442QR7LB101KW01	GR442QR7LB101KW01L	100	3KV	±10%	.72	.60	.54	.48	2000	.27
81-GR442QR73D151KL	GR442QR73D151KW01L	150	2KV	±10%	.51	.32	.29	.26	2000	.20
81-GR442QR73D221KL	GR442QR73D221KW01L	220	2KV	±10%	.51	.32	.29	.26	2000	.20
81-GR442QR73D331KL	GR442QR73D331KW01L	330	2KV	±10%	.51	.32	.29	.26	2000	.20
81-GR442QR73D471KL	GR442QR73D471KW01L	470	2KV	±10%	.51	.32	.29	.26	2000	.20
81-GR442QR73D681KL	GR442QR73D681KW01L	680	2KV	±10%	.51	.32	.29	.26	2000	.20
81-GR442QR73D102KW01	GR442QR73D102KW01L	1000	2KV	±10%	.43	.38	.32	.27	2000	.21
81-GR442QR73D152KW01	GR442QR73D152KW01L	1500	2KV	±10%	.72	.60	.54	.48	2000	.27
81-GR442QR7LB152KW01	GR442QR7LB152KW01L	1500	3KV	±10%	.72	.60	.54	.48	2000	.27
1812 Case Size - for Information Devices / Tip & Ring										
81-GR443QR73D102KW01	GR443QR73D102KW01L	1000	2KV	±10%	.57	.54	.49	.41	2000	.33
81-GR443QR73D182KL	GR443QR73D182KW01L	1800	2KV	±10%	.70	.44	.40	.36	2000	.28
81-GR443QR73D222KW01	GR443QR73D222KW01L	2200	2KV	±10%	1.02	.85	.76	.68	2000	.38
81-GR443QR7LB222KW01	GR443QR7LB222KW01L	2200	3KV	±10%	1.02	.85	.76	.68	2000	.38
81-GR443QR73D272KL	GR443QR73D272KW01L	2700	2KV	±10%	.80	.5	.45	.41	2000	.32
81-GR443QR73D332KL	GR443QR73D332KW01L	3300	2KV	±10%	.72	.45	.41	.37	2000	.29
81-GR443QR73D392KW01	GR443QR73D392KW01L	3900	2KV	±10%	.68	.64	.58	.48	2000	.39
81-GR443DR73D472KW01	GR443DR73D472KW01L	4700	2KV	±10%	.94	.78	.71	.63	2000	.35
81-GR455DR62E105KW01	GR455DR62E105KW01L	1.0μF	250	±10%	1.31	1.06	.76	.67	2000	.50
1206 Case Size - for Camera Flash Circuits										
81-GR731BR72E103KW01	GR731BR72E103KW01L	.01μF	250	±10%	.18	.11	.10	.093	2000	.072
81-GR731CR72E153KL	GR731CR72E153KW03L	.015μF	250	±10%	.18	.11	.10	.093	2000	.072
81-GR731CR72E223KL	GR731CR72E223KW03L	.022μF	250	±10%	.18	.11	.10	.093	2000	.072
1210 Case Size - for Camera Flash Circuits										
81-GR732QR72E333KL	GR732QR72E333KW01L	.033μF	250	±10%	.32	.20	.18	.16	2000	.12
81-GR732DR72E473KL	GR732DR72E473KW01L	.047μF	250	±10%	.32	.20	.18	.16	2000	.12

MURATA High Voltage Ceramic Chip Capacitors

RoHS Compliant **This page of product is compliant.**

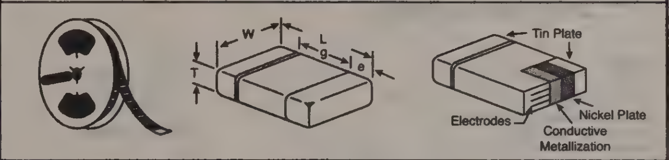
GRM SERIES MULTILAYER CERAMIC CHIP CAPACITORS

Features:
- Lead Free
- 250 V - 3.15KV
- Meets special Hi-Voltage needs
- Base metal and lead-free technology
- Operating Temperature: -55°C to +125°C

RoHS Compliant

Application Selection Guide				
Series		GRM	GR4	GA3
Modem	DAA Modem	•		•
	xDSL Modem	•		•
Network	Set Top Box	•	•	•
	LAN, Router, HUB, Switch, etc.	•	•	
Flat Panel Display	LCD Back Light Inverter	•		
	PDP Panel	•		
Power Supply	Switching Power Supply, AC Adapter	•	•	•
	DC/DC Converter	•	•	
	Battery Charger for Cellphone	•		•
Lighting	Electric Ballast for Flourescent Lamp	•		•
	Electric Ballast for CFL	•		•

DIMENSIONS: mm



Part No.	L	W	T (max)	e	g min.
GRM31B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3	0.3 min.	1.2
GRM31C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2		
GRM32B	3.2 ±0.2	1.6 ±0.2	1.25 +0,-0.3		
GRM32Q	3.2 ±0.3	2.5 ±0.2	1.5 +0,-0.3		
GRM32D	3.2 ±0.3	2.5 ±0.2	2 +0,-0.3		
GRM42D	4.5 ±0.4	2.0 ±0.2	2 +0,-0.3		2.2
GRM43D	4.5 ±0.4	3.2 ±0.3	2 +0,-0.3		
GRM43E	4.5 ±0.4	3.2 ±0.3	2.5 +0,-0.3		
GRM43Q	4.5 ±0.4	3.2 ±0.3	1.5 +0,-0.3		
GRM55D	5.7 ±0.4	5 ±0.4	2 +0,-0.3		2.5

GRM Series High Voltage SMD Ceramic Capacitors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (µF)	Vdc (V)	Tolerance ±	Price Each				Reel Qty.	Price per Piece
					1	50	100	500		
1206 Case Size										
81-GRM31BR73A471KW01	GRM31BR73A471KW01L	470pF	1KV	10%	**.56**	**.33**	**.188**	**.126**	3000	.081
81-GRM31BR73A511KW01	GRM31BR73A511KW01L	510pF	1KV	10%	**.57**	**.33**	**.192**	**.129**	3000	.082
81-GRM31B5C2J681KW01	GRM31B5C2J681KW01L	680pF	630	10%	**.56**	**.33**	**.191**	**.128**	3000	.082
81-GRM31BR73A102KW01	GRM31BR73A102KW01L	1000pF	1KV	10%	**.30**	**.25**	**.23**	**.187**	3000	.09
81-GRM31BR72J102KW01	GRM31BR72J102KW01L	1000pF	630	10%	**.46**	**.27**	**.15**	**.13**	3000	.109
81-GRM31BR72J152KW01	GRM31BR72J152KW01L	1500pF	630	10%	**.46**	**.27**	**.15**	**.105**	3000	.082
81-GRM31BR73A152KW01	GRM31BR73A152KW01L	1500pF	1KV	10%	**.55**	**.32**	**.186**	**.125**	3000	.08
81-GRM31BR72J222KW01	GRM31BR72J222KW01L	2200pF	630	10%	**.51**	**.30**	**.16**	**.14**	3000	.12
81-GRM31BR73A222KW01	GRM31BR73A222KW01L	2200pF	1KV	10%	**.56**	**.33**	**.191**	**.128**	3000	.082
81-GRM31BR72J332KW01	GRM31BR72J332KW01L	3300pF	630	10%	**.19**	**.18**	**.16**	**.14**	3000	.084
81-GRM31BR73A392KW01	GRM31BR73A392KW01L	3900pF	1KV	10%	**.58**	**.34**	**.195**	**.131**	3000	.084
81-GRM31BR72J472KW01	GRM31BR72J472KW01L	4700pF	630	10%	**.29**	**.24**	**.21**	**.185**	3000	.086
81-GRM31BR73A472KW01	GRM31BR73A472KW01L	4700pF	1KV	10%	**.32**	**.27**	**.24**	**.199**	3000	.096
81-GRM31BR72J682KW01	GRM31BR72J682KW01L	6800pF	630	10%	**.20**	**.19**	**.18**	**.15**	3000	.091
81-GRM31BR72J103KW01	GRM31BR72J103KW01L	0.01	630	10%	**.49**	**.29**	**.20**	**.168**	3000	.116
81-GRM31BR72E153KW01	GRM31BR72E153KW01L	0.015	250	10%	**.54**	**.32**	**.184**	**.124**	3000	.079
81-GRM31BR72E223KW01	GRM31BR72E223KW01L	0.022	250	10%	**.54**	**.32**	**.184**	**.124**	3000	.079
81-GRM31CR72J153KW03	GRM31CR72J153KW03L	0.015	630	10%	**.29**	**.24**	**.21**	**.178**	2000	.086
81-GRM31CR72E473KW03	GRM31CR72E473KW03L	0.047	250	10%	**.20**	**.17**	**.15**	**.12**	2000	.089
81-GRM31CR72E104KW03	GRM31CR72E104KW03L	0.1	250	10%	**.30**	**.25**	**.23**	**.187**	2000	.09
81-GRM31R72E333KW03L	GRM31CR72E333KW03L	0.033	250	10%	**.54**	**.319**	**.184**	**.124**	2000	.079
1210 Case Size										
81-GRM32BR72J102KW01	GRM32BR72J102KW01L	1000pF	630	10%	**.35**	**.33**	**.30**	**.26**	3000	.20
81-GRM32QR73A682KW01	GRM32QR73A682KW01L	6800pF	1KV	10%	**.66**	**.55**	**.50**	**.365**	1000	.176
81-GRM32QR73A103KW01	GRM32QR73A103KW01L	0.01	1KV	10%	**.62**	**.52**	**.46**	**.387**	2000	.186
81-GRM32DR73A153KL	GRM32DR73A153KW01L	0.015	1KV	10%	**.56**	**.35**	**.32**	**.29**	2000	.189
81-GRM32DR73A223KW01	GRM32DR73A223KW01L	0.022	1KV	10%	**.81**	**.67**	**.61**	**.446**	1000	.188
81-GRM32QR72J223KW01	GRM32QR72J223KW01L	0.022	630	10%	**.31**	**.27**	**.23**	**.19**	2000	.15
81-GRM32DR72J333KW01	GRM32DR72J333KW01L	0.033	630	10%	**.35**	**.31**	**.26**	**.22**	2000	.143
81-GRM32QR72E683KW01	GRM32QR72E683KW01L	0.068	250	10%	**.28**	**.24**	**.21**	**.17**	2000	.124
81-GRM32DR72E104KW01	GRM32DR72E104KW01L	0.1	250	10%	**.42**	**.35**	**.31**	**.26**	1000	.105
81-GRM32DR72E224KW01	GRM32DR72E224KW01L	0.22	250	10%	**.43**	**.36**	**.33**	**.231**	1000	.105
1808 Case Size										
81-GRM421X3F100JY02L	GRM42D1X3F100JY02L	10pF	3.15KV	5%	**1.49**	**.873**	**.503**	**.338**	2000	.216
81-GRM421X3F120JY02L	GRM42D1X3F120JY02L	12pF	3.15KV	5%	**1.49**	**.873**	**.503**	**.338**	2000	.216
81-GRM421X3F150JY02L	GRM42D1X3F150JY02L	15pF	3.15KV	5%	**1.42**	**.83**	**.479**	**.322**	2000	.206
81-GRM421X3F180JY02L	GRM42D1X3F180JY02L	18pF	3.15KV	5%	**1.49**	**.873**	**.503**	**.338**	2000	.216
81-GRM421X3F220JY02L	GRM42D1X3F220JY02L	22pF	3.15KV	5%	**1.42**	**.83**	**.479**	**.322**	2000	.206
81-GRM421X3F270JY02L	GRM42D1X3F270JY02L	27pF	3.15KV	5%	**1.42**	**.83**	**.479**	**.322**	2000	.206
81-GRM421X3F330JY02L	GRM42D1X3F330JY02L	33pF	3.15KV	5%	**1.49**	**.873**	**.503**	**.338**	2000	.216
81-GRM421X3F390JY02L	GRM42D1X3F390JY02L	39pF	3.15KV	5%	**1.42**	**.83**	**.479**	**.322**	2000	.206
81-GRM421X3F470JY02L	GRM42D1X3F470JY02L	47pF	3.15KV	5%	**1.49**	**.873**	**.503**	**.338**	2000	.216
81-GRM421X3F560JY02L	GRM42D1X3F560JY02L	56pF	3.15KV	5%	**1.49**	**.873**	**.503**	**.338**	2000	.216
81-GRM421X3F680JY02L	GRM42D1X3F680JY02L	68pF	3.15KV	5%	**1.49**	**.873**	**.503**	**.338**	2000	.216
81-GRM421X3F820JY02L	GRM42D1X3F820JY02L	82pF	3.15KV	5%	**1.49**	**.873**	**.503**	**.338**	2000	.216
1812 Case Size										
81-GRM43E1X3F101JY01	GRM43E1X3F101JY01L	100pF	3.15KV	5%	**.99**	**.87**	**.74**	**.62**	500	.50
1812 Case Size										
81-GRM43DR73A103KW21	GRM43DR73A103KW21L	0.01	1KV	10%	**.74**	**.69**	**.63**	**.53**	1000	.42
81-GRM43QR73A223KW1L	GRM43QR73A223KW01L	0.022	1KV	10%	**3.23**	**2.16**	**1.51**	**.862**	1000	.431
81-GRM43DR73A333KW01	GRM43DR73A333KW01L	0.033	1KV	10%	**1.29**	**1.08**	**.97**	**.753**	1000	.335
81-GRM43DR73A473KW01	GRM43DR73A473KW01L	0.047	1KV	10%	**1.36**	**1.13**	**1.02**	**.79**	1000	.335
81-GRM43QR72J683KW01	GRM43QR72J683KW01L	0.068	630	10%	**.54**	**.51**	**.46**	**.38**	1000	.235
81-GRM43DR72J104KW01	GRM43DR72J104KW01L	0.1	630	10%	**.79**	**.74**	**.67**	**.56**	1000	.235
81-GRM43R72E154KW01L	GRM43QR72E154KW01L	0.15	250	10%	**1.65**	**.577**	**.388**	**.248**	1000	.217
81-GRM43DR72E334KW01	GRM43DR72E334KW01L	0.33	250	10%	**.63**	**.59**	**.47**	**.40**	1000	.215
81-GRM43DR72E474KW01	GRM43DR72E474KW01L	0.47	250	10%	**.99**	**.90**	**.86**	**.636**	1000	.258
2220 Case Size										
81-GRM55DR73A104KW01	GRM55DR73A104KW01L	0.1	1KV	10%	**2.99**	**2.64**	**2.37**	**1.74**	1000	.75
81-GRM55DR72J154KL	GRM55DR72J154KW01L	0.15	630	10%	**.89**	**.86**	**.81**	**.74**	1000	.481
81-GRM55DR72J224KW01	GRM55DR72J224KW01L	0.22	630	10%	**1.25**	**1.17**	**1.07**	**.89**	1000	.495
81-GRM55DR72E334KW01	GRM55DR72E334KW01L	0.33	250	10%	**.99**	**.91**	**.88**	**.76**	1000	.469
81-GRM55DR72E474KW01	GRM55DR72E474KW01L	0.47	250	10%	**.99**	**.92**	**.88**	**.77**	1000	.487
81-GRM55RR72E105K	GRM55DR72E105KW01L	1.0	250	10%	**1.99**	**1.38**	**1.22**	**1.12**	1000	.444

MURATA Safety Rated Ceramic Chip Capacitors

muRata
Innovator in Electronics

This page of product is compliant.

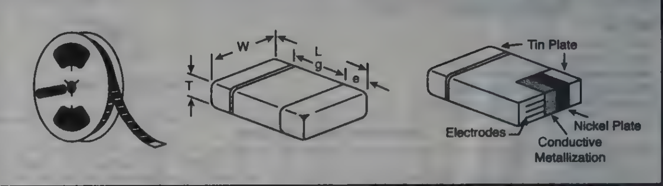
GA3 SERIES MULTILAYER CERAMIC CHIP CAPACITORS

Features:

- Lead Free
- 250 VAC (r.m.s.)
- Base metal and lead-free technology
- GA3 is safety Rated (Y2/Y3)
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient: X7R

RoHS Compliant

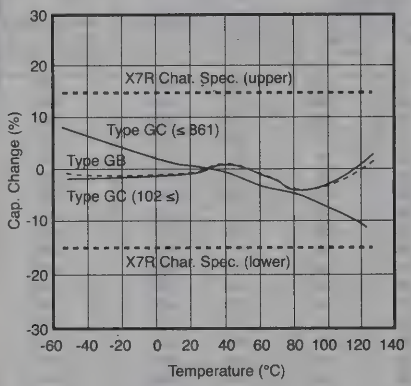
DIMENSIONS: mm

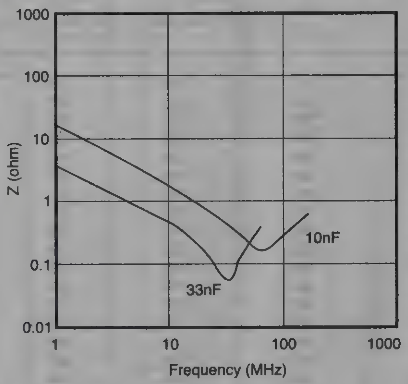


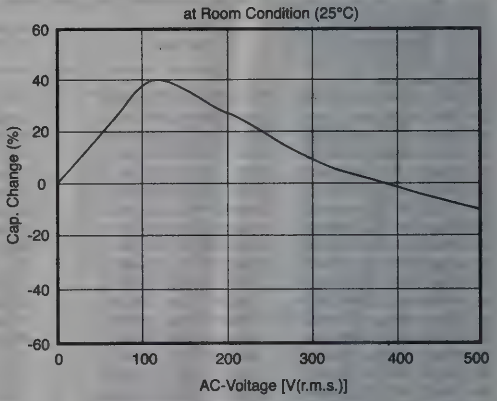
✻ Line-By-Pass only

	Standard No.	Status of Recognition		Rated Voltage
		Type GB	Type GC	
UL	UL1414		•✻	AC250V (r.m.s.)
BSI	EN132400		•	
VDE		•	•	
SEV		•	•	
SEMKO		•	•	
EN132400 Class		X2	X1, Y2	

Part No.	L	W	T (max)	e	g min.
GA342D	4.5 ±0.3	2.0 ±0.2	2.0 ±0.2	0.3 min.	2.5
GA342Q	4.5 ±0.3	2.0 ±0.2	1.5 +0,-0.3		2.5
GA343D	4.5 ±0.4	3.2 ±0.3	2.0 ±0.2		2.5
GA343Q	4.5 ±0.4	3.2 ±0.3	1.5 +0,-0.3		2.5
GA352Q	5.7 ±0.4	2.8 ±0.3	1.5 +0,-0.3		4.0
GA355D	5.7 ±0.4	5.0 ±0.4	2.0 ±0.2		4.0
GA355Q	5.7 ±0.4	5.0 ±0.4	1.5 +0,-0.3		4.0
GA355X	5.7 ±0.4	5.0 ±0.4	varies		4.0







GA3 Series Safety Rated SMD Ceramic Capacitors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	VAC (V)	Tol. %	Safety Recognized	Price Each				Reel Qty.	Price per Piece
						1	50	100	500		
1808 Case Size											
81-GA342D1XGF100JL	GA342D1XGF100JY02L	10	250	±5	Y2	**.75**	**.47**	**.43**	**.39**	2,000	**.28**
81-GA342D1XGF680JL	GA342D1XGF680JY02L	68	250	±5	Y2	**.75**	**.47**	**.43**	**.39**	2,000	**.28**
81-GA342QR7GD101KW01	GA342QR7GD101KW01L	100	250	±10	Y3	**.72**	**.60**	**.54**	**.397**	2,000	**.191**
81-GA342DR7GD151KW02	GA342DR7GD151KW02L	150	250	±10	Y3	**.56**	**.49**	**.42**	**.35**	2,000	**.28**
81-GA342QR7GD221KL	GA342QR7GD221KW01L	220	250	±10	Y3	**.51**	**.32**	**.29**	**.26**	2,000	**.191**
81-GA342QR7GD471KL	GA342QR7GD471KW01L	470	250	±10	Y3	**.51**	**.32**	**.29**	**.26**	2,000	**.191**
81-GA342QR7GD681KW01	GA342QR7GD681KW01L	680	250	±10	Y3	**.47**	**.38**	**.27**	**.24**	2,000	**.20**
81-GA342QR7GD102KW01	GA342QR7GD102KW01L	1,000	250	±10	Y3	**.47**	**.38**	**.27**	**.24**	2,000	**.20**
81-GA342QR7GD152KW01	GA342QR7GD152KW01L	1,500	250	±10	Y3	**.67**	**.55**	**.50**	**.415**	2,000	**.20**
1812 Case Size											
81-GA343QR7GD182KW01	GA343QR7GD182KW01L	1,800	250	±10	Y3	**.98**	**.82**	**.73**	**.539**	2,000	**.225**
81-GA343DR7GD472KL	GA343DR7GD472KW01L	4,700	250	±10	Y3	**.70**	**.44**	**.40**	**.36**	2,000	**.225**
2211 Case Size											
81-GA352QR7GF471KW01	GA352QR7GF471KW01L	470	250	±10	Y2	**1.25**	**1.04**	**.94**	**.689**	1,000	**.282**
81-GA352QR7GF681KL	GA352QR7GF681KW01L	680	250	±10	Y2	**.56**	**.54**	**.51**	**.46**	1,000	**.282**
81-GA352QR7GF102KL	GA352QR7GF102KW01L	1,000	250	±10	Y2	**.56**	**.54**	**.51**	**.46**	1,000	**.282**
81-GA352QR7GF152KL	GA352QR7GF152KW01L	1,500	250	±10	Y2	**.56**	**.54**	**.51**	**.46**	1,000	**.35**
81-GA352QR7GF152KW01	GA352QR7GF152KW01L	1,500	250	±10	Y2	**1.25**	**1.04**	**.94**	**.689**	1,000	**.282**
2220 Case Size											
81-GA355DR7GC101KY02	GA355DR7GF101KY02L	100	250	±10	X1,Y2	**1.73**	**.99**	**.88**	**.74**	1,000	**.66**
81-GA355DR7GC151KY02	GA355DR7GF151KY02L	150	250	±10	X1,Y2	**1.89**	**1.77**	**1.62**	**1.35**	1,000	**1.22**
81-GA355DR7GC331KY02	GA355DR7GF331KY02L	330	250	±10	X1,Y2	**2.39**	**1.38**	**1.22**	**1.03**	1,000	**.91**
81-GA355DR7GC471KY02	GA355DR7GF471KY02L	470	250	±10	X1,Y2	**1.74**	**1.63**	**1.49**	**1.24**	1,000	**1.12**
81-GA355DR7GC681KY02	GA355DR7GF681KY02L	680	250	±10	X1,Y2	**2.67**	**1.57**	**1.37**	**1.14**	1,000	**1.02**
81-GA355DR7GC152KY02	GA355DR7GF152KY02L	1,500	250	±10	X1,Y2	**1.88**	**1.76**	**1.61**	**1.34**	1,000	**1.21**
81-GA355DR7GC332KY02	GA355DR7GF332KY02L	3,300	250	±10	X1,Y2	**2.15**	**1.24**	**1.10**	**.92**	1,000	**.82**
81-GA355DR7GB103KY02	GA355DR7GB103KY02L	10,000	250	±10	X2	**1.69**	**1.56**	**1.44**	**1.08**	1,000	**.75**
81-GA355DR7GB153KY02	GA355DR7GB153KY02L	15,000	250	±10	X2	**1.99**	**1.31**	**1.16**	**.97**	1,000	**.78**
81-GA355DR7GB223KY02	GA355DR7GB223KY02L	22,000	250	±10	X2	**2.49**	**2.18**	**1.87**	**1.42**	1,000	**1.15**
81-GA355XR7GB333KY06	GA355XR7GB333KY06L	33,000	250	±10	X2	**2.81**	**2.43**	**2.24**	**1.34**	500	**1.10**
81-GA355QR7GF182KL	GA355QR7GF182KW01L	1,800	250	±10	Y2	**.72**	**.69**	**.65**	**.59**	1,000	**.395**
81-GA355QR7GF222KL	GA355QR7GF222KW01L	2,200	250	±10	Y2	**.72**	**.69**	**.65**	**.59**	1,000	**.395**
81-GA355QR7GF332KL	GA355QR7GF332KW01L	3,300	250	±10	Y2	**.72**	**.69**	**.65**	**.59**	1,000	**.395**
81-GA355DR7GF472KW01	GA355DR7GF472KW01L	4,700	250	±10	Y2	**1.42**	**1.25**	**1.07**	**.89**	1,000	**.495**

SYFER FLEXICAP™ SMD Ceramic Capacitors

SYFER CAPACITORS

SYFER'S FlexiCap™ Ceramic Surface Mount Capacitor technology was developed to provide improved resistance to the risk of mechanical stress cracking in ceramic chip capacitors.

Features:
- Allows a greater degree of PCB deflection, typically twice that of standard MLCC's
- FlexiCap termination does not affect electrical characteristics or performance of the devices which can be used with no changes to the manufacturing process
- More resistant to temperature cycling

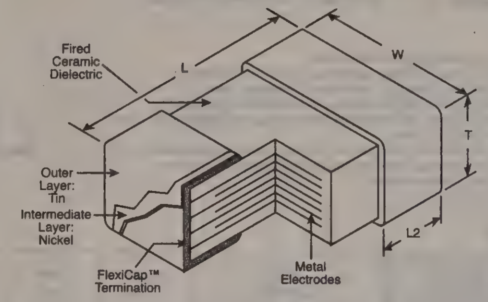
Specifications:
- Operating range: -55°C to +125°C (max. capacitance change: ±15%)
- Insulation resistance: 100 gigohm or 1000s, whichever is less
- Dissipation Factor: < 0.025
- Dielectric strength with voltage applied for 5 seconds: ≤ 200 Volts: 2.5 times; 500 & 630 Volts: 1.5 times; ≥ 1 kV: 1.25 times

Markets:
- Power Supplies: DC-DC Converters, UPS systems
- Telecom: Backplanes, linecards, modems, and base stations
- Lighting ballasts
- Industrial

Applications:
- Can be used in all designs currently using standard MLCC's
- Suggested for high stress, critical circuit applications

LEAD-FREE

RoHS Compliant



Style	DIMENSIONS: mm (in.)			
	L	W	T Max.	L2 Max.
0603	1.6±0.2 (.063±.008)	.8±0.2 (.031±.008)	0.8 (.031)	0.40 (.015)
0805	2.0±0.3 (.080±.012)	1.25±0.2 (.05±.008)	1.3 (.051)	0.75 (.030)
1206	3.2±0.3 (.126±.012)	1.6±0.2 (.063±.008)	1.6 (.063)	0.75 (.030)
1210	3.2±0.3 (.126±.012)	2.5±0.3 (.100±.012)	2.0 (.08)	0.75 (.030)
1808	4.5±0.35 (.18±.014)	2.0±0.3 (.080±.012)	2.0 (.08)	1.0 (.040)
1812	4.5±0.35 (.18±.014)	3.2±0.3 (.126±.012)	2.5 (.10)	1.0 (.040)
2220	5.7±0.4 (.225±.016)	5.0±0.4 (.197±.016)	2.5 (.10)	1.0 (.040)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value (pF)	Volt (DC)	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
Style 0603-Temperature Coeff. X7R									
843-0603Y2000101K	0603Y2000101KXT	100	200	10	.42	.36	.30	4000	.12
843-0603Y2000151K	0603Y2000151KXT	150	200	10	.42	.36	.30	4000	.12
843-0603Y2000221K	0603Y2000221KXT	220	200	10	.42	.36	.30	4000	.12
843-0603Y2000331K	0603Y2000331KXT	330	200	10	.42	.36	.30	4000	.12
843-0603Y2000471K	0603Y2000471KXT	470	200	10	.42	.36	.30	4000	.12
843-0603Y2000681K	0603Y2000681KXT	680	200	10	.42	.36	.30	4000	.12
843-0603Y2000102K	0603Y2000102KXT	1000	200	10	.46	.39	.33	4000	.13
843-0603Y2000152K	0603Y2000152KXT	1500	200	10	.46	.39	.33	4000	.13
843-0603Y2000222K	0603Y2000222KXT	2200	200	10	.46	.39	.33	4000	.13
843-0603Y2000332K	0603Y2000332KXT	3300	200	10	.47	.40	.33	4000	.14
843-0603Y2000472K	0603Y2000472KXT	4700	200	10	.51	.44	.37	4000	.15
Style 0805-Temperature Coeff. X7R									
843-0805Y5000101K	0805Y5000101KXT	100	500	10	.42	.36	.30	3000	.12
843-0805Y5000221K	0805Y5000221KXT	220	500	10	.43	.37	.31	3000	.12
843-0805Y5000471K	0805Y5000471KXT	470	500	10	.43	.37	.31	3000	.12
843-0805Y2000102K	0805Y2000102KXT	1000	200	10	.66	.56	.47	3000	.19
843-0805Y2000682K	0805Y2000682KXT	6800	200	10	.51	.44	.37	3000	.15
843-0805Y2000103K	0805Y2000103KXT	10000	200	10	.68	.58	.48	3000	.19
843-0805Y2000153K	0805Y2000153KXT	15000	200	10	.63	.58	.47	3000	.21
843-0805Y2000223K	0805Y2000223KXT	22000	200	10	.69	.63	.52	3000	.23
843-0805Y0500104K	0805Y0500104KXT	.1µF	50	10	.63	.54	.45	3000	.18
Style 1206-Temperature Coeff. X7R									
843-1206Y6300470K	1206Y6300470KXT	47	630	10	.57	.49	.41	2500	.17
843-1206Y1K00101K	1206Y1K00101KXT	100	1000	10	.63	.58	.47	2500	.21
843-1206Y5000101K	1206Y5000101KXT	100	500	10	.64	.58	.48	2500	.22
843-1206Y2K00471K	1206Y2K00471KXT	470	2000	10	.66	.60	.49	2500	.22
843-1206Y1K00471K	1206Y1K00471KXT	470	1000	10	.63	.58	.47	2500	.21
843-1206Y6300471K	1206Y6300471KXT	470	630	10	.64	.55	.46	2500	.19
843-1206Y5000471K	1206Y5000471KXT	470	500	10	.74	.68	.55	2500	.25
843-1206Y2K00102K	1206Y2K00102KXT	1000	2000	10	.69	.63	.52	2500	.23
843-1206Y1K00102K	1206Y1K00102KXT	1000	1000	10	.67	.61	.50	2500	.23
843-1206Y6300102K	1206Y6300102KXT	1000	630	10	.68	.58	.49	2500	.20
843-1206Y6300102M	1206Y6300102MXT	1000	630	20	.61	.52	.44	2500	.17
843-1206Y5000102K	1206Y5000102KXT	1000	500	10	.81	.74	.61	2500	.27
843-1206Y5000152K	1206Y5000152KXT	1500	500	10	.83	.76	.63	2500	.28
843-1206Y2000222K	1206Y2000222KXT	2200	200	10	.69	.63	.52	2500	.23
843-1206Y1K00272K	1206Y1K00272KXT	2700	1000	10	.75	.69	.56	2500	.25
843-1206Y1K00472K	1206Y1K00472KXT	4700	1000	10	.80	.73	.60	2500	.27
843-1206Y6300472K	1206Y6300472KXT	4700	630	10	.73	.67	.54	2500	.25
843-1206Y5000472K	1206Y5000472KXT	4700	500	10	.64	.55	.46	2500	.18
843-1206Y2000472K	1206Y2000472KXT	4700	200	10	.69	.63	.52	2500	.23
843-1206Y6300103K	1206Y6300103KXT	.01µF	630	10	.83	.76	.62	2500	.28
843-1206Y5000103K	1206Y5000103KXT	.01µF	500	10	.61	.56	.46	2500	.21
843-1206Y2000103K	1206Y2000103KXT	.01µF	200	10	.77	.71	.58	2500	.26
843-1206Y5000153K	1206Y5000153KXT	.015µF	500	10	.71	.65	.53	2500	.24
843-1206Y5000223K	1206Y5000223KXT	.022µF	500	10	.71	.65	.53	2500	.24
843-1206Y5000333K	1206Y5000333KXT	.033µF	500	10	.81	.74	.61	2500	.27
843-1206Y2000333K	1206Y2000333KXT	.033µF	200	10	.97	.89	.73	2500	.33
843-1206Y2000473K	1206Y2000473KXT	.047µF	200	10	1.12	1.02	.84	2500	.38
843-1206Y2000683K	1206Y2000683KXT	.068µF	200	10	1.12	1.02	.84	2500	.38
843-1206Y2000104K	1206Y2000104KXT	.1µF	200	10	1.34	1.24	.93	2500	.42
843-1206Y1000104K	1206Y1000104KXT	.1µF	100	10	1.01	.93	.76	2500	.34
843-1206Y0500104K	1206Y0500104KXT	.1µF	50	10	.64	.58	.48	2500	.22
843-1206Y0500474K	1206Y0500474KXT	.47µF	50	10	1.49	1.37	1.03	2500	.46
843-1206Y0160105K	1206Y0160105KXT	1µF	16	10	1.81	1.67	1.25	2500	.56

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Value (pF)	Volt (DC)	Tol. (%)	Price Each			Reel Qty.	Price Per Piece
					1	50	100		
Style 1210-Temperature Coeff. X7R									
843-1210Y5000222K	1210Y5000222KXT	2200	500	10	1.53	1.42	1.06	2000	.48
843-1210Y1K00472K	1210Y1K00472KXT	4700	1000	10	1.33	1.23	.92	2000	.41
843-1210Y1K00103K	1210Y1K00103KXT	.01µF	1000	10	1.44	1.33	.99	2000	.45
843-1210Y5000103K	1210Y5000103KXT	.01µF	500	10	.91	.83	.68	2000	.31
843-1210Y2000103K	1210Y2000103KXT	.01µF	200	10	1.55	1.43	1.08	2000	.48
843-1210Y1K00153K	1210Y1K00153KXT	.015µF	1000	10	1.72	1.58	1.19	2000	.53
843-1210Y5000153K	1210Y5000153KXT	.015µF	500	10	.91	.83	.68	2000	.31
843-1210Y5000223K	1210Y5000223KXT	.022µF	500	10	1.01	.92	.76	2000	.34
843-1210Y5000333K	1210Y5000333KXT	.033µF	500	10	1.34	1.24	.93	2000	.42
843-1210Y5000473K	1210Y5000473KXT	.047µF	500	10	1.34	1.24	.93	2000	.42
843-1210Y5000683K	1210Y5000683KXT	.068µF	500	10	1.49	1.37	1.03	2000	.46
843-1210Y5000104K	1210Y5000104KXT	.1µF	500	10	1.68	1.55	1.16	2000	.52
843-1210Y2000104K	1210Y2000104KXT	.1µF	200	10	2.16	1.91	1.53	2000	.60
843-1210Y2000124K	1210Y2000124KXT	.12µF	200	10	2.42	2.14	1.71	2000	.67
843-1210Y2000154K	1210Y2000154KXT	.15µF	200	10	2.42	2.14	1.71	2000	.67
843-1210Y2000184K	1210Y2000184KXT	.18µF	200	10	2.42	2.14	1.71	2000	.67
Style 1808-Temperature Coeff. X7R									
843-1808Y3K00101K	1808Y3K00101KXT	100	3000	10	1.38	1.27	.95	1500	.43
843-1808Y3K00102K	1808Y3K00102KXT	1000	3000	10	1.46	1.35	1.01	1500	.45
843-1808Y2K00102K	1808Y2K00102KXT	1000	2000	10	1.18	1.08	.79	1500	.40
843-1808Y2K00222K	1808Y2K00222KXT	2200	2000	10	1.54	1.42	1.07	1500	.48
Style 1812-Temperature Coeff. X7R									
843-1812Y3K00681K	1812Y3K00681KXT	680	3000	10	2.79	2.39	1.89	1000	1.20
843-1812Y3K00102K	1812Y3K00102KXT	1000	3000	10	2.70	2.30	2.00	1000	1.00
843-1812Y2K00102K	1812Y2K00102KXT	1000	2000	10	2.70	2.30	2.00	1000	1.00
843-1812Y5000102K	1812Y5000102KXT	1000	500	10	1.93	1.78	1.34	1000	.75
843-1812Y3K00222K	1812Y3K00222KXT	2200	3000	10	2.96	2.52	2.20	1000	1.10
843-1812Y2K00222K	1812Y2K00222KXT	2200	2000	10	2.60	2.23	1.76	1000	1.12
843-1812Y2K00472K	1812Y2K00472KXT	4700	2000	10	2.78	2.39	1.89	1000	1.20
843-1812Y1K00103K	1812Y1K00103KXT	.01µF	1000	10	2.70	2.30	2.00	1000	1.00
843-1812Y5000103K	1812Y5000103KXT	.01µF	500	10	1.93	1.78	1.34	1000	.75
843-1812Y1K00223K	1812Y1K00223KXT	.022µF	1000	10	2.96	2.52	2.20	1000	1.10
843-1812Y1K00333K	1812Y1K00333KXT	.033µF	1000	10	3.24	2.76	2.40	1000	1.20
843-1812Y1K00473K	1812Y1K00473KXT	.047µF	1000	10	5.16	4.40	3.82	1000	1.91
843-1812Y5000473K	1812Y5000473KXT	.047µF	500	10	2.42	2.07	1.64	1000	1.04
843-1812Y5000104K	1812Y5000104KXT	.1µF	500	10	3.19	2.71	2.36	1000	1.18
843-1812Y2000104K	1812Y2000104KXT	.1µF	200	10	3.14	2.67	2.33	1000	1.16
843-1812Y5000124K	1812Y5000124KXT	.12µF	500	10	3.46	2.95	2.57	1000	1.29
843-1812Y5000224K	1812Y5000224KXT	.22µF	500	10	3.98	3.39	2.95	1000	1.48
843-1812Y2000224K	1812Y2000224KXT	.22µF	200	10	4.22	3.59	3.13	1000	1.57
843-1812Y5000274K	1812Y5000274KXT	.27µF	500	10	4.61	3.93	3.42	1000	1.71
843-1812Y2000274K	1812Y2000274KXT	.27µF	200	10	4.58	3.90	3.39	1000	1.70
843-1812Y2000334K	1812Y2000334KXT	.33µF	200	10	5.16	4.40	3.82	1000	1.91
843-1812Y1000105K	1812Y1000105KXT	1µF	100	10	6.89	5.83	5.30	1000	2.65
843-1812Y0500105K	1812Y0500105KXT	1µF	50	10	4.93	4.20	3.65	1000	1.83
Style 2220-Temperature Coeff. X7R									
843-2220Y2K00103K	2220Y2K00103KXT	.01µF	2000	10	5.57	4.93	4.29	1000	2.14
843-2220Y1K00104K	2220Y1K00104KXT	.1µF	1000	10	6.25	5.83	5.30	1000	2.65
843-2220Y5000104K	2220Y5000104KXT	.1µF	500	10	5.28	4.50	3.91	1000	1.96
843-2220Y5000224K	2220Y5000224KXT	.22µF	500	10	6.63	5.61	5.10	1000	2.55
843-2220Y1000105K	2220Y1000105KXT	1µF	100	10	9.69	8.20	7.45	1000	3.73

TDK High Capacitance Ceramic Chip Capacitors

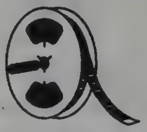
RoHS Compliant This page of product is compliant.

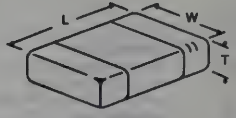
TDK. C SERIES CAPACITORS

Features:

- C0G (NP0), X7R, X5R, and 75V Dielectrics
- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers.
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.

RoHS Compliant





EIA Code	EIAJ Code	Dim. L	(mm) W
0402	1005	1.0	.05
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

Style 0402

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece	
						1	100	500		10,000	50,000
Temperature Coef: X5R											
810-C1005X5R0J105M	C1005X5R0J105M	1	6.3	20%	0.5	.24	.20	.12	10,000	.24	.20

Style 0603

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece	
						1	100	500		4,000	8,000
Temperature Coef: X5R											
810-C1608X5R0J105K	C1608X5R0J105K	1	6.3	10%	0.8	.24	.20	.12	4,000	.24	.20
810-C1608X5R1A105K	C1608X5R1A105K	1	10	10%	0.8	.24	.20	.12	4,000	.24	.20
810-C1608X5R1C105K	C1608X5R1C105K	1	16	10%	0.8	.50	.41	.24	4,000	.50	.41
810-C1608X5R0J225M	C1608X5R0J225M	2.2	6.3	20%	0.8	.94	.78	.46	4,000	.94	.78
810-C1608X5R0J475M	C1608X5R0J475M	4.7	6.3	20%	0.8	.95	.79	.47	4,000	.95	.79

Style 0805

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each				Reel Qty.	Price Each
						1	50	100	500		
Temperature Coef: X7R											
810-C2012X7R1A105K	C2012X7R1A105K	1	10	10%	0.85	.62	.51	.30	.13	2,000	.069
810-C2012X7R1C105K	C2012X7R1C105K	1	16	10%	1.25	.52	.43	.26	.15	2,000	.071
810-C2012X7R1E105K	C2012X7R1E105K	1	25	10%	1.25	.71	.59	.35	.20	2,000	.097
810-C2012X7R1C225K	C2012X7R1C225K	2.2	16	10%	1.25	.71	.59	.35	.20	2,000	.097
Temperature Coef: X5R											
810-C2012X5R1A105K	C2012X5R1A105K	1	10	10%	0.85	.44	.36	.21	.12	2,000	.058
810-C2012X5R1A225K	C2012X5R1A225K	2.2	10	10%	0.85	.58	.48	.28	.16	2,000	.078
810-C2012X5R0J475K	C2012X5R0J475K	4.7	6.3	10%	1.25	.76	.63	.38	.22	2,000	.10
810-C2012X5R0J475M	C2012X5R0J475M	4.7	6.3	20%	1.25	.89	.74	.44	.25	2,000	.12
810-C2012X5R0J106M	C2012X5R0J106M	10	6.3	20%	1.25	.84	.70	.41	.23	2,000	.11
810-C2012X5R0J226M	C2012X5R0J226M	22	6.3	20%	1.25	1.19	.99	.58	.33	2,000	.16
Temperature Coef: Y5V											
810-C2012Y5V1C105Z	C2012Y5V1C105Z	1	16	+80,-20%	0.85	.24	.20	.12	.07	2,000	.033
810-C2012Y5V1E105Z	C2012Y5V1E105Z	1	25	+80,-20%	0.85	.32	.26	.15	.089	2,000	.042
810-C2012Y5V1H105Z	C2012Y5V1H105Z	1	50	+80,-20%	1.25	.35	.29	.17	.10	2,000	.047
810-C2012Y5V1C225Z	C2012Y5V1C225Z	2.2	16	+80,-20%	1.25	.39	.32	.19	.11	2,000	.052
810-C2012Y5V1E225Z	C2012Y5V1E225Z	2.2	25	+80,-20%	1.25	.64	.53	.31	.18	2,000	.087
810-C2012Y5V1A475Z	C2012Y5V1A475Z	4.7	10	+80,-20%	1.25	1.08	.90	.53	.24	2,000	.12
810-C2012Y5V1C475Z	C2012Y5V1C475Z	4.7	16	+80,-20%	1.25	.51	.42	.25	.15	2,000	.069
810-C2012Y5V0J106Z	C2012Y5V0J106Z	10	6.3	+80,-20%	1.25	1.37	1.14	.67	.30	2,000	.15
810-C2012Y5V1A106Z	C2012Y5V1A106Z	10	10	+80,-20%	1.25	.95	.79	.47	.27	2,000	.13
810-C2012Y5V0J226Z	C2012Y5V0J226Z	22	6.3	+80,-20%	1.25	2.74	2.28	1.35	.61	2,000	.31

Style 1206

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each				Reel Qty.	Price Each
						1	50	100	500		
Temperature Coef: X7R											
810-C3216X7R1C105K	C3216X7R1C105K	1	16	10%	0.85	.71	.59	.35	.20	2,000	.097
810-C3216X7R1E105K	C3216X7R1E105K	1	25	10%	1.6	.93	.77	.45	.26	2,000	.13
810-C3216X7R1H105K	C3216X7R1H105K	1	50	10%	1.6	.50	.41	.24	.14	2,000	.067
810-C3216X7R1C225K	C3216X7R1C225K	2.2	16	10%	1.6	.63	.52	.31	.14	2,000	.07
810-C3216X7R1E225K	C3216X7R1E225K	2.2	25	10%	1.6	.80	.66	.39	.22	2,000	.10
810-C3216X7R1C475K	C3216X7R1C475K	4.7	16	10%	1.6	.87	.72	.43	.19	2,000	.098
810-C3216X7R1C475M	C3216X7R1C475M	4.7	16	20%	1.6	1.17	.97	.57	.26	2,000	.13
810-C3216X7R1E475M	C3216X7R1E475M	4.7	25	20%	1.6	2.48	2.06	1.22	.55	2,000	.28
Temperature Coef: X5R											
810-C3216X5R1A475K	C3216X5R1A475K	4.7	10	10%	1.6	.75	.62	.37	.16	2,000	.084
810-C3216X5R0J106K	C3216X5R0J106K	10	6.3	10%	1.6	.82	.68	.40	.18	2,000	.092
810-C3216X5R0J106M	C3216X5R0J106M	10	6.3	20%	1.6	.82	.68	.40	.18	2,000	.092
810-C3216X5R1A106M	C3216X5R1A106M	10	10	20%	1.6	2.61	2.17	1.28	.58	2,000	.29
810-C3216X5R1C106M	C3216X5R1C106M	10	16	20%	1.6	2.92	2.43	1.44	.64	2,000	.33
810-C3216X5R0J226M	C3216X5R0J226M	22	6.3	20%	1.6	1.83	1.52	.90	.40	2,000	.21
810-C3216X5R0J476M	C3216X5R0J476M	47	6.3	20%	1.6	3.48	2.90	1.71	.77	2,000	.39
Temperature Coef: Y5V											
810-C3216Y5V1C475Z	C3216Y5V1C475Z	4.7	16	+80,-20%	0.85	.75	.62	.37	.21	2,000	.10
810-C3216Y5V1A106Z	C3216Y5V1A106Z	10	10	+80,-20%	1.15	.71	.59	.35	.20	2,000	.097
810-C3216Y5V1C106Z	C3216Y5V1C106Z	10	16	+80,-20%	1.6	1.44	1.20	.71	.32	2,000	.16
810-C3216Y5V1A226Z	C3216Y5V1A226Z	22	10	+80,-20%	1.6	1.32	1.10	.65	.29	2,000	.15
810-C3216Y5V0J476Z	C3216Y5V0J476Z	47	6.3	+80,-20%	1.6	3.32	2.76	1.63	.73	2,000	.37

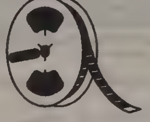
TDK High Capacitance Ceramic Chip Capacitors

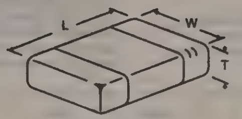
RoHS Compliant This page of product is compliant.

TDK. C SERIES CAPACITORS (CONT.)

Features:

- C0G (NP0), X7R, X5R, and 75V Dielectrics
- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers.
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.





EIA Code	EIAJ Code	Dim. L	(mm) W
0402	1005	1.0	.05
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

Style 1210

RoHS Compliant

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tolerance ±	Dimension T (mm)	Price Each				Reel Quantity	Price Each
						1	50	100	500		
Temperature Coef: X7R											
810-C3225X7R1H105K	C3225X7R1H105K	1	50	10%	1.6	1.06	.88	.52	.23	1,000	.12
810-C3225X7R1H105M	C3225X7R1H105M	1	50	20%	1.6	.96	.80	.47	.21	1,000	.11
810-C3225X7R2A105M	C3225X7R2A105M	1	100	20%	2	2.09	1.74	1.03	.46	1,000	.24
810-C3225X7R1E225M	C3225X7R1E225M	2.2	25	20%	1.6	2.85	2.37	1.40	.63	1,000	.32
810-C3225X7R1H225K	C3225X7R1H225K	2.2	50	10%	2.5	1.42	1.18	.70	.40	1,000	.15
810-C3225X7R1H335M	C3225X7R1H335M	3.3	50	20%	2.5	1.78	1.48	.87	.50	1,000	.20
810-C3225X7R1C475K	C3225X7R1C475K	4.7	16	10%	1.6	1.79	1.49	.88	.40	2,000	.20
810-C3225X7R1E475K	C3225X7R1E475K	4.7	25	10%	2	1.66	1.38	.82	.37	1,000	.19
810-C3225X7R1E475M	C3225X7R1E475M	4.7	25	20%	2	1.62	1.35	.80	.36	1,000	.18
810-C3225X7R1C106M	C3225X7R1C106M	10	16	20%	2	1.19	.99	.59	.26	1,000	.13
810-C3225X7R1E106M	C3225X7R1E106M	10	25	20%	2.5	1.86	1.55	.92	.41	1,000	.21
Temperature Coef: X5R											
810-C3225X5R1A106K	C3225X5R1A106K	10	10	10%	2	1.12	.93	.55	.25	1,000	.13
810-C3225X5R1A106M	C3225X5R1A106M	10	10	20%	2	1.30	1.08	.64	.29	1,000	.15
810-C3225X5R1C106M	C3225X5R1C106M	10	16	20%	2	2.00	1.66	.98	.44	1,000	.22
810-C3225X5R0J226M	C3225X5R0J226M	22	6.3	20%	2	3.30	2.75	1.62	.93	1,000	.41
810-C3225X5R1A226M	C3225X5R1A226M	22	10	20%	2.3	2.07	1.72	1.02	.46	1,000	.23
810-C3225X5R1C226M	C3225X5R1C226M	22	16	20%	2.5	1.67	1.39	.82	.47	1,000	.21
810-C3225X5R0J476M	C3225X5R0J476M	47	6.3	20%	2.5	3.48	2.90	1.71	.77	1,000	.39
810-C3225X5R0J107M	C3225X5R0J107M	100	6.3	20%	2.5	6.96	5.80	3.43	1.54	1,000	.79
Temperature Coef: Y5V											
810-C3225Y5V1C106Z	C3225Y5V1C106Z	10	16	+80,-20%	1.25	1.36	1.13	.67	.30	2,000	.15
810-C3225Y5V1E106Z	C3225Y5V1E106Z	10	25	+80,-20%	1.6	1.41	1.17	.69	.31	2,000	.16
810-C3225Y5V1A226Z	C3225Y5V1A226Z	22	10	+80,-20%	1.15	1.25	1.04	.61	.27	1,000	.14
810-C3225Y5V1A476Z	C3225Y5V1A476Z	47	10	+80,-20%	2	2.82	2.35	1.39	.62	1,000	.32
810-C3225Y5V0J107Z	C3225Y5V0J107Z	100	6.3	+80,-20%	2.5	5.14	4.28	2.53	1.14	1,000	.58

Style 1812

RoHS Compliant

MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tolerance ±	Dimension T (mm)	Price Each				Reel Quantity	Price Each
						1	50	100	500		
Temperature Coef: X7R											
810-C4532X7R2A105K	C4532X7R2A105K	1	100	10%	2.3	3.74	3.11	1.84	.82	500	.82
810-C4532X7R2A105M	C4532X7R2A105M	1	100	20%	2.3	3.08	2.56	1.51	.68	500	.68
810-C4532X7R1H225M	C4532X7R1H225M	2.2	50	20%	1.6	3.48	2.90	1.71	.77	1,000	.39
810-C4532X7R2A225M	C4532X7R2A225M	2.2	100	20%	2.3	3.96	3.30	1.95	.54	500	.54
810-C4532X7R1E475M	C4532X7R1E475M	4.7	25	20%	1.6	4.24	3.53	2.08	.94	1,000	.48
810-C4532X7R1H475M	C4532X7R1H475M	4.7	50	20%	2	4.04	3.36	1.98	1.14	1,000	.49
810-C4532X7R1H685M	C4532X7R1H685M	6.8	50	20%	2.5	4.48	3.73	2.20	.99	500	.99
810-C4532X7R1E106M	C4532X7R1E106M	10	25	20%	2.5	5.12	4.26	2.51	.70	500	.70
810-C4532X7R1C226M	C4532X7R1C226M	22	16	20%	2.5	5.24	4.36	2.57	.71	500	.71
Temperature Coef: X5R											
810-C4532X5R1A226M	C4532X5R1A226M	22	10	20%	2	6.77	5.64	3.33	1.50	500	1.50
810-C4532X5R1E226M	C4532X5R1E226M	22	25	20%	2.5	5.34	4.45	2.62	.72	500	.72
810-C4532X5R1A336M	C4532X5R1A336M	33	10	20%	2	9.32	7.76	4.58	2.06	500	2.06
810-C4532X5R1C336M	C4532X5R1C336M	33	16	20%	2.5	5.14	4.28	2.53	1.14	500	1.14
810-C4532X5R1A476M	C4532X5R1A476M	47	10	20%	2.8	8.30	6.91	4.08	1.83	500	1.83
810-C4532X5R0J107M	C4532X5R0J107M	100	6.3	20%	2.8	9.99	9.35	5.52	1.53	500	1.53
Temperature Coef: Y5V											
810-C4532Y5V1A107Z	C4532Y5V1A107Z	100	10	+80,-20%	2.5	7.13	5.94	3.51	1.58	500	1.58

Style 2220

RoHS Compliant

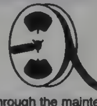
MOUSER STOCK NO.	TDK Part No.	Value (µF)	Volt (DC)	Tolerance ±	Dimension T (mm)	Price Each				Reel Quantity	Price Each
						1	50	100	500		
Temperature Coef: X7R											
810-C5750X7R2A475M	C5750X7R2A475M	4.7	100	20%	2.3	6.54	5.45	3.22	---	500	1.08
810-C5750X7R1H106M	C5750X7R1H106M	10	50	20%	2.3	5.40	4.50	2.66	---	500	.74
810-C5750X7R1E226M	C5750X7R1E226M	22	25	20%	2.5	9.95	8.29	4.90	---	500	2.20
Temperature Coef: X5R											
810-C5750X5R1C476M	C5750X5R1C476M	47	16	20%	2.3	9.99	9.70	3.90	---	500	1.08
810-C5750X5R1A686M	C5750X5R1A686M	68	10	20%	2.3	9.99	9.49	5.96	---	500	2.68

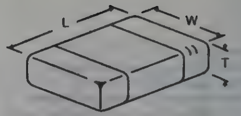
TDK Ceramic Chip Capacitors

RoHS Compliant This page of product is compliant.

TDK. C SERIES CAPACITORS

RoHS Compliant





EIA Code	EIAJ Code	Dim. L	(mm) W
0402	1005	1.0	.05
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

Features:

- C0G (NP0), X7R, X5R, and 75V Dielectrics
- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers
- Monolithic structure ensures superior mechanical strength and reliability
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes

Style 0402

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece	
						1	100	500		10,000	50,000
Temperature Coef: C0G (NP0)											
810-C1005C0G1H100D	C1005C0G1H100D	10	50	0.5pF	0.5	.07	.03	.018	10,000	.07	.03
810-C1005C0G1H120J	C1005C0G1H120J	12	50	5%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005C0G1H150J	C1005C0G1H150J	15	50	5%	0.5	.07	.034	.02	10,000	.07	.034
810-C1005C0G1H180J	C1005C0G1H180J	18	50	5%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005C0G1H220J	C1005C0G1H220J	22	50	5%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005C0G1H270J	C1005C0G1H270J	27	50	5%	0.5	.12	.054	.032	10,000	.12	.054
810-C1005C0G1H330J	C1005C0G1H330J	33	50	5%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005C0G1H390J	C1005C0G1H390J	39	50	5%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005C0G1H470J	C1005C0G1H470J	47	50	5%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005C0G1H560J	C1005C0G1H560J	56	50	5%	0.5	.17	.08	.047	10,000	.17	.08
810-C1005C0G1H680J	C1005C0G1H680J	68	50	5%	0.5	.09	.043	.025	10,000	.09	.043
810-C1005C0G1H820J	C1005C0G1H820J	82	50	5%	0.5	.17	.08	.047	10,000	.17	.08
810-C1005C0G1H101J	C1005C0G1H101J	100	50	5%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005C0G1H121J	C1005C0G1H121J	120	50	5%	0.5	.09	.043	.025	10,000	.09	.043
810-C1005C0G1H151J	C1005C0G1H151J	150	50	5%	0.5	.08	.038	.022	10,000	.08	.038
810-C1005C0G1H181J	C1005C0G1H181J	180	50	5%	0.5	.12	.059	.034	10,000	.12	.059
810-C1005C0G1H221J	C1005C0G1H221J	220	50	5%	0.5	.12	.058	.033	10,000	.12	.058
810-C1005C0G1H271J	C1005C0G1H271J	270	50	5%	0.5	.12	.061	.035	10,000	.12	.061
810-C1005C0G1H331J	C1005C0G1H331J	330	50	5%	0.5	.14	.066	.038	10,000	.14	.066
Temperature Coef: X7R											
810-C1005X7R1H221K	C1005X7R1H221K	220	50	10%	0.5	.17	.083	.048	10,000	.17	.083
810-C1005X7R1H471K	C1005X7R1H471K	470	50	10%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005X7R1H102K	C1005X7R1H102K	1000	50	10%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005X7R1H222K	C1005X7R1H222K	2200	50	10%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005X7R1E472K	C1005X7R1E472K	4700	25	10%	0.5	.17	.08	.047	10,000	.17	.08
810-C1005X7R1H472K	C1005X7R1H472K	4700	50	10%	0.5	.17	.08	.047	10,000	.17	.08
810-C1005X7R1C103K	C1005X7R1C103K	10000	16	10%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005X7R1E103K	C1005X7R1E103K	10000	25	10%	0.5	.07	.03	.018	10,000	.07	.03
810-C1005X7R1C223K	C1005X7R1C223K	22000	16	10%	0.5	.16	.077	.045	10,000	.16	.077
810-C1005X7R1E223K	C1005X7R1E223K	22000	25	10%	0.5	.18	.086	.05	10,000	.18	.086
810-C1005X7R1C473K	C1005X7R1C473K	47000	16	10%	0.5	.07	.032	.019	10,000	.07	.032
Temperature Coef: X5R											
810-C1005X5R0J104K	C1005X5R0J104K	.1µF	6.3	10%	0.5	.44	.22	.13	10,000	.44	.22
810-C1005X5R1A104K	C1005X5R1A104K	.1µF	10	10%	0.5	.07	.034	.02	10,000	.07	.034
810-C1005X5R0J224M	C1005X5R0J224M	.22µF	6.3	20%	0.5	.82	.40	.23	10,000	.82	.40
Temperature Coef: Y5V											
810-C1005Y5V1C104Z	C1005Y5V1C104Z	.1µF	16	+80,-20%	0.5	.07	.03	.018	10,000	.07	.03

Style 0603

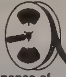
MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each			Reel Qty.	Price Per Piece	
						1	100	500		4,000	8,000
Temperature Coef: C0G (NP0)											
810-C1608C0G1H100D	C1608C0G1H100D	10	50	0.5pF	0.8	.07	.034	.02	4,000	.07	.034
810-C1608C0G1H120J	C1608C0G1H120J	12	50	5%	0.8	.09	.043	.025	4,000	.09	.043
810-C1608C0G1H150J	C1608C0G1H150J	15	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H180J	C1608C0G1H180J	18	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H220J	C1608C0G1H220J	22	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H270J	C1608C0G1H270J	27	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H330J	C1608C0G1H330J	33	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H390J	C1608C0G1H390J	39	50	5%	0.8	.10	.045	.026	4,000	.10	.045
810-C1608C0G1H470J	C1608C0G1H470J	47	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H560J	C1608C0G1H560J	56	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H680J	C1608C0G1H680J	68	50	5%	0.8	.08	.037	.021	4,000	.08	.037
810-C1608C0G1H820J	C1608C0G1H820J	82	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H101J	C1608C0G1H101J	100	50	5%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608C0G1H121J	C1608C0G1H121J	120	50	5%	0.8	.15	.072	.042	4,000	.15	.072
810-C1608C0G1H151J	C1608C0G1H151J	150	50	5%	0.8	.15	.07	.041	4,000	.15	.07
810-C1608C0G1H181J	C1608C0G1H181J	180	50	5%	0.8	.18	.088	.051	4,000	.18	.088
810-C1608C0G1H221J	C1608C0G1H221J	220	50	5%	0.8	.15	.07	.041	4,000	.15	.07
810-C1608C0G1H271J	C1608C0G1H271J	270	50	5%	0.8	.16	.077	.045	4,000	.16	.077
810-C1608C0G1H331J	C1608C0G1H331J	330	50	5%	0.8	.17	.082	.047	4,000	.17	.082
810-C1608C0G1H391J	C1608C0G1H391J	390	50	5%	0.8	.24	.12	.07	4,000	.24	.12
810-C1608C0G1H471J	C1608C0G1H471J	470	50	5%	0.8	.18	.088	.051	4,000	.18	.088
810-C1608C0G1H561J	C1608C0G1H561J	560	50	5%	0.8	.28	.14	.079	4,000	.28	.14
810-C1608C0G1H681J	C1608C0G1H681J	680	50	5%	0.8	.22	.11	.061	4,000	.22	.11
810-C1608C0G1H821J	C1608C0G1H821J	820	50	5%	0.8	.34	.17	.098	4,000	.34	.17
810-C1608C0G1H102J	C1608C0G1H102J	1000	50	5%	0.8	.22	.11	.063	4,000	.22	.11
810-C1608X7R2A102K	C1608X7R2A102K	1000	100	10%	0.8	.32	.16	.091	4,000	.32	.16
810-C1608X7R2A102M	C1608X7R2A102M	1000	100	20%	0.8	.30	.15	.086	4,000	.30	.15
810-C1608C0G1H122J	C1608C0G1H122J	1200	50	5%	0.8	.34	.17	.098	4,000	.34	.17
810-C1608C0G1H152J	C1608C0G1H152J	1500	50	5%	0.8	.34	.17	.098	4,000	.34	.17
810-C1608C0G1H182J	C1608C0G1H182J	1800	50	5%	0.8	.34	.17	.098	4,000	.34	.17
810-C1608C0G1H222J	C1608C0G1H222J	2200	50	5%	0.8	.48	.24	.14	4,000	.48	.24
810-C1608X7R2A222K	C1608X7R2A222K	2200	100	10%	0.8	.32	.16	.091	4,000	.32	.16
810-C1608X7R2A222M	C1608X7R2A222M	2200	100	20%	0.8	.30	.15	.086	4,000	.30	.15
810-C1608X7R2A472K	C1608X7R2A472K	4700	100	10%	0.8	.26	.13	.073	4,000	.26	.13

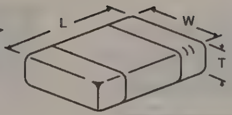
TDK Ceramic Chip Capacitors

RoHS Compliant **This page of product is compliant.**

TDK. C SERIES CAPACITORS (CONT.)

RoHS Compliant





EIA Code	EIAJ Code	Dim. mm L	Dim. mm W
0402	1005	1.0	.05
0603	1608	1.6	0.8
0805	2012	2.0	1.25
1206	3216	3.2	1.6
1210	3225	3.2	2.5
1812	4532	4.5	3.2
2220	5750	5.7	5.0

Features:

- C0G (NP0), X7R, X5R, and 75V Dielectrics.
- High capacitance has been achieved through precision technologies that enable the use of multiple thinner ceramic dielectric layers.
- Monolithic structure ensures superior mechanical strength and reliability.
- High-accuracy automatic mounting is facilitated through the maintenance of very precise dimensional tolerances.
- Composed of only ceramics and metals, these capacitors provide extremely dependable performance, exhibiting virtually no degradation even when subjected to temperature extremes.

Style 0603 (cont.)

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	Price Each 100	Price Each 500	Reel Qty.	Price Per Piece 4,000	Price Per Piece 8,000
Temperature Coef: X7R											
810-C1608X7R1H221K	C1608X7R1H221K	220	50	10%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608X7R1H471K	C1608X7R1H471K	470	50	10%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608X7R1H102K	C1608X7R1H102K	1000	50	10%	0.8	.09	.042	.024	4,000	.09	.042
810-C1608X7R1H222K	C1608X7R1H222K	2200	50	10%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608X7R1H472K	C1608X7R1H472K	4700	50	10%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608X7R2A472M	C1608X7R2A472M	4700	100	20%	0.8	.24	.12	.07	4,000	.24	.12
810-C1608X7R1H103K	C1608X7R1H103K	.01µF	50	10%	0.8	.07	.034	.02	4,000	.07	.034
810-C1608X7R2A103K	C1608X7R2A103K	.01µF	100	10%	0.8	.35	.17	.10	4,000	.35	.17
810-C1608X7R2A103M	C1608X7R2A103M	.01µF	100	20%	0.8	.34	.16	.096	4,000	.34	.16
810-C1608X7R1H223K	C1608X7R1H223K	.022µF	50	10%	0.8	.15	.07	.041	4,000	.15	.07
810-C1608X7R1E473K	C1608X7R1E473K	.047µF	25	10%	0.8	.23	.11	.066	4,000	.23	.11
810-C1608X7R1H473K	C1608X7R1H473K	.047µF	50	10%	0.8	.11	.05	.029	4,000	.11	.05
810-C1608X7R1C104K	C1608X7R1C104K	.1µF	16	10%	0.8	.08	.038	.022	4,000	.08	.038
810-C1608X7R1E104K	C1608X7R1E104K	.1µF	25	10%	0.8	.09	.042	.024	4,000	.09	.042
810-C1608X7R1H104K	C1608X7R1H104K	.1µF	50	10%	0.8	.14	.066	.038	4,000	.14	.066
810-C1608X7R1C224K	C1608X7R1C224K	.22µF	16	10%	0.8	.24	.12	.068	4,000	.24	.12
Temperature Coef: X5R											
810-C1608X5R1A224K	C1608X5R1A224K	.22µF	10	10%	0.8	.54	.27	.16	4,000	.54	.27
810-C1608X5R1A474K	C1608X5R1A474K	.47µF	10	10%	0.8	.27	.13	.075	4,000	.27	.13
Temperature Coef: Y5V											
810-C1608Y5V1C104Z	C1608Y5V1C104Z	.1µF	16	+80,-20%	0.8	.09	.042	.024	4,000	.09	.042
810-C1608Y5V1E104Z	C1608Y5V1E104Z	.1µF	25	+80,-20%	0.8	.09	.042	.024	4,000	.09	.042
810-C1608Y5V1H104Z	C1608Y5V1H104Z	.1µF	50	+80,-20%	0.8	.10	.046	.027	4,000	.10	.046
810-C1608Y5V1A105Z	C1608Y5V1A105Z	1µF	10	+80,-20%	0.8	.15	.07	.041	4,000	.15	.07
810-C1608Y5V1C105Z	C1608Y5V1C105Z	1µF	16	+80,-20%	0.8	.57	.28	.16	4,000	.57	.28

Style 0805

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	Price Each 50	Price Each 100	Price Each 500	Reel Qty.	Price Each
Temperature Coef: C0G (NP0)											
810-C2012C0G1H101J	C2012C0G1H101J	100pF	50	5%	0.6	.15	.12	.072	.042	4,000	.02
810-C2012C0G1H102J	C2012C0G1H102J	1000pF	50	5%	0.6	.24	.20	.12	.07	4,000	.033
810-C2012C0G1H152J	C2012C0G1H152J	1500pF	50	5%	0.6	.48	.40	.24	.14	4,000	.065
810-C2012C0G1H222J	C2012C0G1H222J	2200pF	50	5%	0.6	.41	.34	.20	.12	4,000	.056
810-C2012C0G1H332J	C2012C0G1H332J	3300pF	50	5%	0.6	.66	.55	.33	.19	2,000	.091
810-C2012C0G1H472J	C2012C0G1H472J	4700pF	50	5%	0.85	.95	.79	.47	.27	4,000	.13
810-C2012C0G1H682J	C2012C0G1H682J	6800pF	50	5%	1.25	.63	.52	.31	.14	2,000	.07
810-C2012C0G1H103J	C2012C0G1H103J	.01µF	50	5%	1.25	.89	.74	.44	.24	2,000	.12
Temperature Coef: X7R											
810-C2012X7R1H102K	C2012X7R1H102K	1000pF	50	10%	0.6	.12	.095	.056	.033	4,000	.015
810-C2012X7R2A102K	C2012X7R2A102K	1000pF	100	10%	0.85	.38	.31	.18	.11	4,000	.05
810-C2012X7R2A102M	C2012X7R2A102M	1000pF	100	20%	0.85	.35	.29	.17	.10	4,000	.048
810-C2012X7R2A222K	C2012X7R2A222K	2200pF	100	10%	0.85	.39	.32	.19	.11	4,000	.052
810-C2012X7R2A222M	C2012X7R2A222M	2200pF	100	20%	0.85	.35	.29	.17	.10	4,000	.048
810-C2012X7R2A472K	C2012X7R2A472K	4700pF	100	10%	0.85	.39	.32	.19	.11	4,000	.052
810-C2012X7R2A472M	C2012X7R2A472M	4700pF	100	20%	0.85	.35	.29	.17	.10	4,000	.048
810-C2012X7R1H103K	C2012X7R1H103K	0.01	50	10%	0.6	.12	.095	.056	.033	4,000	.015
810-C2012X7R2A103K	C2012X7R2A103K	0.01	100	10%	0.85	.24	.20	.12	.068	4,000	.032
810-C2012X7R2A103M	C2012X7R2A103M	0.01	100	20%	0.85	.35	.29	.17	.10	4,000	.048
810-C2012X7R2A223K	C2012X7R2A223K	0.022	100	10%	1.25	.44	.36	.22	.13	2,000	.06
810-C2012X7R2A223M	C2012X7R2A223M	0.022	100	20%	1.25	.41	.34	.20	.12	2,000	.056
810-C2012X7R1E104K	C2012X7R1E104K	0.1	25	10%	0.85	.27	.22	.13	.075	2,000	.036
810-C2012X7R1H104K	C2012X7R1H104K	0.1	50	10%	0.85	.18	.15	.093	.053	2,000	.025
810-C2012X7R2A104K	C2012X7R2A104K	0.1	100	10%	1.25	.20	.16	.092	.053	2,000	.026
810-C2012X7R1C224K	C2012X7R1C224K	0.22	16	10%	1.25	.70	.58	.34	.20	2,000	.095
810-C2012X7R1E224K	C2012X7R1E224K	0.22	25	10%	1.25	.39	.32	.19	.11	2,000	.052
810-C2012X7R1H224K	C2012X7R1H224K	0.22	50	10%	1.25	.36	.30	.18	.10	2,000	.049
810-C2012X7R1C334K	C2012X7R1C334K	0.33	16	10%	1.25	.48	.40	.24	.14	2,000	.065
810-C2012X7R1C474K	C2012X7R1C474K	0.47	16	10%	1.25	.51	.42	.25	.15	2,000	.069
810-C2012X7R1E474K	C2012X7R1E474K	0.47	25	10%	1.25	.48	.40	.24	.14	2,000	.065

Style 1206

MOUSER STOCK NO.	TDK Part No.	Value (pF)	Volt (DC)	Tol.±	Dim. T (mm)	Price Each 1	Price Each 50	Price Each 100	Price Each 500	Reel Qty.	Price Each
Temperature Coef: C0G (NP0)											
810-C3216C0G1H472J	C3216C0G1H472J	4700pF	50	5%	0.6	.68	.56	.33	.15	4,000	.076
810-C3216C0G1H103J	C3216C0G1H103J	10000pF	50	5%	0.85	.98	.83	.49	.22	2,000	.11
810-C3216C0G1H223J	C3216C0G1H223J	22000pF	50	5%	1.15	1.49	1.24	.73	.33	2,000	.17
Temperature Coef: X7R											
810-C3216X7R2A104K	C3216X7R2A104K	0.1	100	10%	1.6	.75	.62	.37	.16	2,000	.084
810-C3216X7R2A104M	C3216X7R2A104M	0.1	100	20%	1.6	.98	.83	.49	.22	2,000	.11
810-C3216X7R1H224K	C3216X7R1H224K	0.22	50	10%	1.6	1.07	.89	.53	.31	2,000	.15
810-C3216X7R1H474K	C3216X7R1H474K	0.47	50	10%	1.6	.62	.51	.30	.14	2,000	.069

Style 1210

Temperature Coef: X7R											
810-C3225X7R2A474M	C3225X7R2A474M	0.47	100	20%	2	3.29	2.74	1.62	.73	1,000	.37

VISHAY / VITRAMON VJ HVArc Guard® Capacitors

VJ HVArc GUARD® SERIES

Features:
- Surface-mountable, multilayer ceramic capacitors, that protect against surface arc-over
- Higher capacitors and smaller case sizes that save board space, as compared to standard high voltage MLCCs
- Voltage breakdowns are twice that of some competitor products
- **Excellent reliability and high voltage performance**

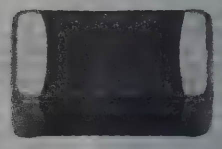
Applications:
- DC-to-DC converters (Buck and Boost)
- Voltage multipliers for flyback converters
- Lighting ballast circuits
- Power supplies

Specifications:
- Operating Temperature: -55°C to +125°C
- Temperature Coefficient of Capacitance (TCC):
  X7R Style: ≤ 15% from -55°C to + 125°C, with 0VDC applied
  C0G (NP0) Style: 0 ± 30ppm/°C from -55°C to +125°C

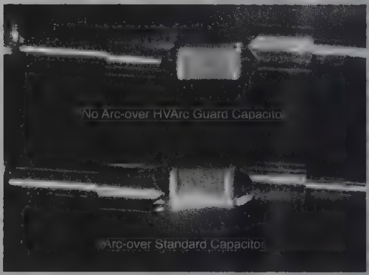
LEAD-FREE

RoHS Compliant

High Voltage MLCC with surface Arc-over


VISHAY HVArc Guard® High Voltage MLCC with no surface Arc-over

DIMENSIONS: In. (mm)					
Part Ordering Number	Length	Width	Max. Thickness (T)	Termination Pad	
				Min.	Max.
VJ0805	0.079±0.008 (2.00±0.20)	0.049±0.008 (1.25±0.020)	0.057 (1.45)	0.010 (0.25)	0.028 (0.71)
VJ1206	0.126±0.008 (3.20±0.20)	0.063±0.008 (1.60±0.20)	0.067 (1.70)	0.010 (0.25)	0.028 (0.71)
VJ1210	0.126±0.008 (3.20±0.20)	0.098±0.008 (2.50±0.20)	0.067 (1.70)	0.010 (0.25)	0.028 (0.71)
VJ1808	0.177±0.010 (4.50±0.25)	0.08±0.010 (2.03±0.25)	0.067 (1.70)	0.010 (0.25)	0.030 (0.76)
VJ1812	0.177±0.010 (4.50±0.25)	0.126±0.008 (3.20±0.20)	0.086 (2.18)	0.010 (0.25)	0.030 (0.76)



MOUSER STOCK NO.	Vishay Part No.	Cap Value	Voltage	Tolerance (%)	Price Each			Full Reel Qty.	Price Per Piece
					1	100	500		
Style 0805 - Temperature Coef: COG									
77-VJ0805A470JXRAT5Z	VJ0805A470JXRAT5Z	47pF	1500	5	.32	.24	.19	3000	.16
77-VJ0805A221JXGAT5Z	VJ0805A221JXGAT5Z	220pF	1000	5	.33	.25	.19	3000	.16
Style 1206 - Temperature Coef: COG									
77-VJ1206A102JXRAT5Z	VJ1206A102JXRAT5Z	1000pF	1500	5	.53	.40	.31	2500	.26
Style 1206 - Temperature Coef: X7R									
77-VJ1206Y101KXEAT5Z	VJ1206Y101KXEAT5Z	100pF	500	10	.37	.27	.21	2500	.18
77-VJ1206Y101KXGAT5Z	VJ1206Y101KXGAT5Z	100pF	1000	10	.55	.41	.32	2500	.27
77-VJ1206Y221KXEAT5Z	VJ1206Y221KXEAT5Z	220pF	500	10	.37	.27	.21	2500	.18
77-VJ1206Y221KXGAT5Z	VJ1206Y221KXGAT5Z	220pF	1000	10	.55	.41	.32	2500	.27
77-VJ1206Y471KXEAT5Z	VJ1206Y471KXEAT5Z	470pF	500	10	.37	.27	.21	2500	.18
77-VJ1206Y102KXEAT5Z	VJ1206Y102KXEAT5Z	1000pF	500	10	.33	.25	.19	2500	.16
77-VJ1206Y102KXGAT5Z	VJ1206Y102KXGAT5Z	1000pF	1000	10	.37	.28	.22	2500	.18
77-VJ1206Y222KXEAT5Z	VJ1206Y222KXEAT5Z	2200pF	500	10	.35	.26	.20	2500	.17
77-VJ1206Y472KXGAT5Z	VJ1206Y472KXGAT5Z	4700pF	1000	10	.41	.30	.23	2500	.20
77-VJ1206Y103KXEAT5Z	VJ1206Y103KXEAT5Z	.01μF	500	10	.39	.29	.22	2500	.19
77-VJ1206Y103KXGAT5Z	VJ1206Y103KXGAT5Z	.01μF	1000	10	.58	.44	.34	2500	.29
77-VJ1206Y223KXEAT5Z	VJ1206Y223KXEAT5Z	.022μF	500	10	.42	.31	.24	2500	.21
77-VJ1206Y223KXGAT5Z	VJ1206Y223KXGAT5Z	.022μF	1000	10	.63	.47	.36	2500	.31
77-VJ1206Y473KXEAT5Z	VJ1206Y473KXEAT5Z	.047μF	500	10	.51	.38	.29	2500	.25
Style 1210 - Temperature Coef: COG									
77-VJ1210A220JXGAT5Z	VJ1210A220JXGAT5Z	22pF	1000	5	.81	.60	.47	2500	.40
77-VJ1210A470JXGAT5Z	VJ1210A470JXGAT5Z	47pF	1000	5	.81	.60	.47	2500	.40
77-VJ1210A471JXRAT5Z	VJ1210A471JXRAT5Z	470pF	1500	5	.63	.47	.36	2500	.31
77-VJ1210A102JXRAT5Z	VJ1210A102JXRAT5Z	1000pF	1500	5	.63	.47	.36	2500	.31
Style 1210 - Temperature Coef: X7R									
77-VJ1210Y101KXEAT5Z	VJ1210Y101KXEAT5Z	100pF	500	10	.47	.35	.27	2500	.23
77-VJ1210Y101KXGAT5Z	VJ1210Y101KXGAT5Z	100pF	1000	10	.52	.38	.30	2500	.25
77-VJ1210Y221KXEAT5Z	VJ1210Y221KXEAT5Z	220pF	500	10	.49	.37	.29	2500	.24
77-VJ1210Y471KXEAT5Z	VJ1210Y471KXEAT5Z	470pF	500	10	.52	.39	.30	2500	.26
77-VJ1210Y471KXGAT5Z	VJ1210Y471KXGAT5Z	470pF	1000	10	.57	.43	.33	2500	.28
77-VJ1210Y102KXGAT5Z	VJ1210Y102KXGAT5Z	1000pF	1000	10	.57	.43	.33	2500	.28
77-VJ1210Y222KXEAT5Z	VJ1210Y222KXEAT5Z	2200pF	500	10	.68	.51	.39	2500	.33
77-VJ1210Y222KXGAT5Z	VJ1210Y222KXGAT5Z	2200pF	1000	10	.71	.53	.41	2500	.35
77-VJ1210Y472KXGAT5Z	VJ1210Y472KXGAT5Z	4700pF	1000	10	.71	.53	.41	2500	.35
77-VJ1210Y103KXGAT5Z	VJ1210Y103KXGAT5Z	.01μF	1000	10	.71	.53	.41	2500	.35
77-VJ1210Y223KXEAT5Z	VJ1210Y223KXEAT5Z	.022μF	500	10	.62	.46	.36	2500	.31
77-VJ1210Y223KXGAT5Z	VJ1210Y223KXGAT5Z	.022μF	1000	10	.94	.70	.54	2500	.46
77-VJ1210Y473KXGAT5Z	VJ1210Y473KXGAT5Z	.047μF	1000	10	1.45	1.08	.84	2500	.71
Style 1808 - Temperature Coef: X7R									
77-VJ1808Y101KXEAT5Z	VJ1808Y101KXEAT5Z	100pF	500	10	1.04	.78	.60	2500	.51
77-VJ1808Y102KXEAT5Z	VJ1808Y102KXEAT5Z	1000pF	500	10	1.04	.78	.60	2500	.51
77-VJ1808Y222KXPAT5Z	VJ1808Y222KXPAT5Z	2200pF	250	10	1.04	.78	.60	2500	.51
77-VJ1808Y223KXEAT5Z	VJ1808Y223KXEAT5Z	.022μF	500	10	.92	.69	.53	2500	.45
Style 1812 - Temperature Coef: X7R									
77-VJ1812Y101KXPAT5Z	VJ1812Y101KXPAT5Z	100pF	250	10	1.04	.78	.60	1000	.56
77-VJ1812Y102KXEAT5Z	VJ1812Y102KXEAT5Z	1000pF	500	10	1.04	.78	.60	1000	.56
77-VJ1812Y331KXEAT5Z	VJ1812Y331KXEAT5Z	330pF	500	10	1.04	.78	.60	1000	.56
77-VJ1812Y152KXEAT5Z	VJ1812Y152KXEAT5Z	1500pF	500	10	1.04	.78	.60	1000	.56
77-VJ1812Y103KXEAT5Z	VJ1812Y103KXEAT5Z	.01μF	500	10	.92	.69	.53	1000	.50
77-VJ1812Y153KXPAT5Z	VJ1812Y153KXPAT5Z	.015μF	250	10	.92	.69	.53	1000	.50
77-VJ1812Y104KXEAT5Z	VJ1812Y104KXEAT5Z	.1μF	500	10	1.25	.93	.72	1000	.68

VJ OMD SERIES: SMD CERAMIC CAPACITOR SOLUTIONS FOR BOARDFLEX SENSITIVE APPLICATIONS

Features:
- Efficient low-power consumption, ripple current capable to 1.2 Arms at 100kHz
- High voltage breakdown compared to standard design
- Excellent reliability and thermal shock performance
- High frequency filtering for switching power
- Available with polymer termination for increase resistance to board flex cracking.

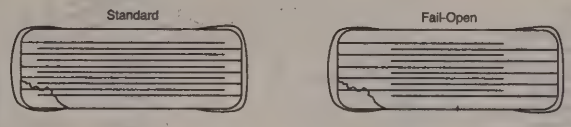
Applications:
- Input Filter Capacitors
- Output Filter Capacitors
- Snubber Capacitors reduce MOSFET voltage spikes.
- Lighting Ballasts
- Ideal for Power Supplies

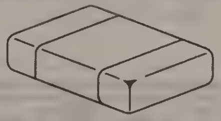
Specifications:
- Temperature Coefficient of Capacitance (TCC):
  X7R Style- ±15% from -55°C with 0VDC applied
  C0G (NP0) Style- 0±30ppm/°C from -55°C to +125°C
- Operating Temperature: -55°C to +125°C
- Voltage Rating: 50VDC to 300VDC

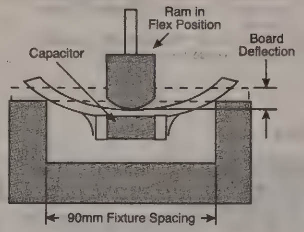
LEAD-FREE

RoHS Compliant

DIMENSIONS: in. (mm)					
Part Ordering Number	Length	Width	Max. Thickness (T)	Termination Pad	
				Min.	Max.
VJ1206	0.126±0.008 (3.20±0.20)	0.063±0.008 (1.60±0.20)	0.067 (1.68)	0.010 (0.25)	0.028 (0.71)
VJ1210	0.126±0.008 (3.20±0.20)	0.098±0.008 (2.50±0.20)	0.067 (1.68)	0.010 (0.25)	0.028 (0.71)
VJ1812	0.177±0.010 (4.50±0.25)	0.126±0.008 (3.20±0.20)	0.086 (2.18)	0.010 (0.25)	0.030 (0.76)
VJ1825	0.177±0.010 (4.50±0.25)	0.252±0.008 (6.40±0.20)	0.086 (2.18)	0.010 (0.25)	0.030 (0.76)
VJ2220	0.220±0.010 (5.59±0.25)	0.200±0.008 (5.08±0.20)	0.086 (2.18)	0.010 (0.25)	0.030 (0.76)
VJ2225	0.220±0.010 (5.59±0.25)	0.250±0.008 (6.35±0.20)	0.086 (2.18)	0.010 (0.25)	0.030 (0.76)







A predominant failure mode in multilayer ceramic capacitors is cracking caused by board flexure that results in capacitance loss, leakage, and high current shorts. A short circuit condition can cause further failures of downstream components.

Extensive board flexure testing was performed on OMD-Capacitors soldered onto glass epoxy resin boards. The boards were then subjected to 8, flexure (see diagram above) and the Insulation Resistance (IR) of each capacitor was measured. IR remained >100ΩF in all cases because these designs do not allow cracks to bridge across opposing electrodes creating conductive pathways. Commercial grade product may experience a serious loss in IR and eventually short when tested under the same conditions.

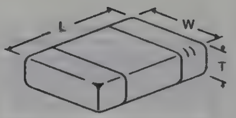
MOUSER STOCK NO.	Vishay Part No.	Cap Value	Voltage	Tolerance (%)	Price Each			Full Reel Qty.	Price Per Piece
					1	100	500		
Style 1206-Temperature Coef: X7R									
77-VJ1206Y102KXEAT4X	VJ1206Y102KXEAT4X	.001μF	500	10	**.26**	**.26**	**.25**	3000	**.23**
77-VJ1206Y102KXRAT4X	VJ1206Y102KXRAT4X	.001μF	1500	10	**.44**	**.43**	**.42**	2500	**.39**
77-VJ1206Y102MXFAT4X	VJ1206Y102MXFAT4X	.001μF	2000	20	**.49**	**.48**	**.47**	2500	**.43**
77-VJ1206Y103KBAAT4X	VJ1206Y103KBAAT4X	.01μF	50	10	**.30**	**.29**	**.28**	3000	**.26**
77-VJ1206Y103KXLAT4X	VJ1206Y103KXLAT4X	.01μF	630	10	**.55**	**.54**	**.53**	2500	**.49**
77-VJ1206Y104JXAAT4X	VJ1206Y104JXAAT4X	.1μF	50	5	**.65**	**.63**	**.61**	2500	**.57**
77-VJ1206Y104JXCAT4X	VJ1206Y104JXCAT4X	.1μF	200	5	**1.26**	**1.23**	**1.19**	2500	**1.10**
77-VJ1206Y104KBAAT4X	VJ1206Y104KBAAT4X	.1μF	50	10	**.41**	**.40**	**.39**	3000	**.36**
77-VJ1206Y104KXAAT4X	VJ1206Y104KXAAT4X	.1μF	50	10	**.34**	**.33**	**.32**	2500	**.30**
77-VJ1206Y183KBLAT4X	VJ1206Y183KBLAT4X	.018μF	630	10	**.78**	**.76**	**.74**	2500	**.68**
77-VJ1206Y272KXGAT4X	VJ1206Y272KXGAT4X	.0027μF	1000	10	**.66**	**.65**	**.63**	2500	**.58**
77-VJ1206Y471KXRAT4X	VJ1206Y471KXRAT4X	470pF	1500	10	**.48**	**.47**	**.46**	2500	**.42**
77-VJ1206Y472KXGAT4X	VJ1206Y472KXGAT4X	.0047μF	1000	10	**.66**	**.65**	**.63**	2500	**.58**
77-VJ1206Y561KXFAT4X	VJ1206Y561KXFAT4X	560pF	2000	10	**.51**	**.50**	**.49**	2500	**.45**
77-VJ1206Y681KXLAT4X	VJ1206Y681KXLAT4X	680pF	630	10	**.48**	**.47**	**.46**	2500	**.42**
Style 1210-Temperature Coef: X7R									
77-VJ1210Y102JXFAT4X	VJ1210Y102JXFAT4X	.001μF	2000	5	**.74**	**.73**	**.71**	2500	**.65**
77-VJ1210Y152MXFAT4X	VJ1210Y152MXFAT4X	.0015μF	2000	20	**.58**	**.57**	**.55**	2500	**.51**
Style 1812-Temperature Coef: NPO/COG									
77-VJ1812A120FXHAT4X	VJ1812A120FXHAT4X	12pF	3000	1	**7.62**	**7.50**	**7.23**	1000	**6.66**
77-VJ1812A121KXGAT4X	VJ1812A121KXGAT4X	120pF	1000	10	**1.10**	**1.09**	**1.05**	1000	**.97**
77-VJ1812A330JXGAT4X	VJ1812A330JXGAT4X	33pF	1000	5	**2.73**	**2.69**	**2.59**	1000	**2.39**
77-VJ1812A821JXGAT4X	VJ1812A821JXGAT4X	820pF	1000	5	**2.73**	**2.69**	**2.59**	1000	**2.39**
Style 1812-Temperature Coef: X7R									
77-VJ1812Y102KXFAT4X	VJ1812Y102KXFAT4X	.001μF	2000	10	**2.12**	**2.09**	**2.01**	1000	**1.85**
77-VJ1812Y103KXRAT4X	VJ1812Y103KXRAT4X	.01μF	1500	10	**2.21**	**2.18**	**2.10**	1000	**1.94**
77-VJ1812Y103MXRAT4X	VJ1812Y103MXRAT4X	.01μF	1500	20	**2.14**	**2.11**	**2.03**	1000	**1.87**
77-VJ1812Y104KXEAT4X	VJ1812Y104KXEAT4X	.1μF	500	10	**1.76**	**1.73**	**1.67**	1000	**1.54**
77-VJ1812Y104MXBAT4X	VJ1812Y104MXBAT4X	.1μF	100	20	**1.49**	**1.46**	**1.41**	1000	**1.30**
77-VJ1812Y105KXBAT4X	VJ1812Y105KXBAT4X	1.0μF	100	10	**2.40**	**2.36**	**2.28**	1000	**2.10**
77-VJ1812Y105MBBAT4X	VJ1812Y105MBBAT4X	1.0μF	100	20	**2.72**	**2.68**	**2.59**	1000	**2.38**
77-VJ1812Y154KXEAT4X	VJ1812Y154KXEAT4X	.15μF	500	10	**1.76**	**1.73**	**1.67**	1000	**1.54**
77-VJ1812Y222KXFAT4X	VJ1812Y222KXFAT4X	.0022μF	2000	10	**2.12**	**2.09**	**2.01**	1000	**1.85**
77-VJ1812Y334JXCAT4X	VJ1812Y334JXCAT4X	.33μF	200	5	**1.62**	**1.60**	**1.54**	1000	**1.41**
77-VJ1812Y392KXFAT4X	VJ1812Y392KXFAT4X	.0039μF	2000	10	**2.12**	**2.09**	**2.01**	1000	**1.85**
77-VJ1812Y471KXHAT4X	VJ1812Y471KXHAT4X	470pF	3000	10	**2.55**	**2.51**	**2.42**	1000	**2.23**
77-VJ1812Y472KXRAT4X	VJ1812Y472KXRAT4X	.0047μF	1500	10	**2.21**	**2.18**	**2.10**	1000	**1.94**
77-VJ1812Y474JFAAT4X	VJ1812Y474JFAAT4X	.47μF	50	5	**3.31**	**3.26**	**3.14**	1000	**2.90**
77-VJ1812Y474KXBAT4X	VJ1812Y474KXBAT4X	.47μF	100	10	**1.61**	**1.59**	**1.53**	1000	**1.41**
77-VJ1812Y822KXRAT4X	VJ1812Y822KXRAT4X	.0082μF	1500	10	**2.21**	**2.18**	**2.10**	1000	**1.94**
Style 1825-Temperature Coef: X7R									
77-VJ1825Y104KXEAT4X	VJ1825Y104KXEAT4X	.1μF	500	10	**3.16**	**3.11**	**3.00**	1000	**2.76**
Style 2220-Temperature Coef: NPO/COG									
77-VJ2220A392JXGAT4X	VJ2220A392JXGAT4X	.0039μF	1000	5	**9.24**	**9.10**	**8.78**	1000	**8.09**
Style 2220-Temperature Coef: X7R									
77-VJ2220Y124KXEAT4X	VJ2220Y124KXEAT4X	.12μF	500	10	**5.08**	**5.01**	**4.83**	1000	**4.45**
77-VJ2220Y224KXEAT4X	VJ2220Y224KXEAT4X	.22μF	500	10	**5.08**	**5.01**	**4.83**	1000	**4.45**
Style 2225-Temperature Coef: X7R									
77-VJ2225Y103KXFAT4X	VJ2225Y103KXFAT4X	.01μF	2000	10	**5.44**	**5.36**	**5.17**	1000	**4.76**
77-VJ2225Y105KXBAT4X	VJ2225Y105KXBAT4X	1.0μF	100	10	**6.64**	**6.54**	**6.31**	1000	**5.81**
77-VJ2225Y223KXRAT4X	VJ2225Y223KXRAT4X	.023μF	1500	10	**4.96**	**4.88**	**4.71**	1000	**4.34**
77-VJ2225Y224MXEAT4X	VJ2225Y224MXEAT4X	.22μF	500	20	**5.04**	**4.96**	**4.79**	1000	**4.41**
77-VJ2225Y273KBFAT4X	VJ2225Y273KBFAT4X	.027μF	2000	10	**6.40**	**6.30**	**6.08**	1000	**5.60**
77-VJ2225Y334KXEAT4X	VJ2225Y334KXEAT4X	.33μF	500	10	**5.08**	**5.01**	**4.83**	1000	**4.45**
77-VJ2225Y473MXFAT4X	VJ2225Y473MXFAT4X	.047μF	2000	20	**5.32**	**5.24**	**5.05**	1000	**4.66**

VISHAY 0402, 0603, 0805, 1206 - Ceramic Chip Capacitors

VJ SERIES

Features:

- Automotive preferred
- Temperature Coefficient of Capacitance (TCC):
  C0G (NP0): 0 ± 30PPM/°C from -55°C to +125°C
  X7R: ±15%, from -55°C to +125°C, w/ 0 VDC applied
  Z5U: ±22%, -56% from +10°C to +85°C
  Y5V: +22%, -82% from -30°C to +85°C
- Dissipation Factor:
  C0G (NP0): 0.1% max
  X7R: ≤25V ratings: 3.5% max; 50V, 100V ratings: 2.5% max
  Z5U: 25V ratings: 3.5% max; 50V ratings: 3.0% max
  Y5V: 3.5% max
- NP0/C0G: Ideal for critical timing and tuning applications
- X7R/X7S: Ideal for decoupling and filtering



LEAD-FREE

RoHS Compliant

Application note:

- A higher voltage capacitor may be used in a lower voltage application.

E.I.A. Style	Vishay Part No.	Length L	Width W	Maximum Thickness T
0402	VJ0402	0.040 ± 0.004 (1.02 ± 0.10)	0.020 ± 0.002 (0.51 ± 0.05)	0.024 (0.61)
0603	VJ0603	0.063 ± 0.005 (1.60 ± 0.12)	0.031 ± 0.005 (0.80 ± 0.12)	0.035 (0.89)
0805	VJ0805	0.079 ± 0.008 (2.00 ± 0.20)	0.049 ± 0.008 (1.25 ± 0.20)	0.053 (1.35)
1206	VJ1206	0.126 ± 0.008 (3.20 ± 0.20)	0.063 ± 0.008 (1.60 ± 0.20)	0.067 (1.68)

Style 0402

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Tol. (%)	Volt (DC)	Cap. (pF)	Price Each			
					1	100	1000	5000
Temperature Coeff: X7R								
77-VJ04Y50V102K	VJ0402Y102KXAAC	10	50	1000	.10	.08	.06	.05
77-VJ04Y25V103K	VJ0402Y103KXXAC	10	25	0.01µF	.10	.08	.06	.05
77-VJ04Y16V103K	VJ0402Y103KXJAC	10	16	0.01µF	.10	.08	.06	.05

Style 0603

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Tol. (%)	Volt (DC)	Cap. (pF)	Price Each			
					1	100	1000	4000
Temperature Coeff: C0G								
77-VJ06A50V220J	VJ0603A220JXAAC	5	50	22	.13	.08	.05	.031
77-VJ06A50V101J	VJ0603A101JXAAC	5	50	100	.16	.11	.05	.043
77-VJ06A50V151J	VJ0603A151JXAAC	5	50	150	.16	.11	.05	.043
77-VJ06A100V181J	VJ0603A181JXBAC	5	100	180	.16	.11	.08	.043
77-VJ06A50V331J	VJ0603A331JXAAC	5	50	330	.13	.09	.06	.031
77-VJ06A50V471J	VJ0603A471JXAAC	5	50	470	.13	.09	.06	.031
77-VJ06Y50V103J	VJ0603Y103JXAAC	5	50	.01µF	.20	.15	.11	.06
Temperature Coeff: X7R								
77-VJ06Y50V471K	VJ0603Y471KXAAC	10	50	470	.12	.10	.05	.04
77-VJ06Y50V102K	VJ0603Y102KXAAC	10	50	1000	.10	.08	.06	.05
77-VJ06Y50V332K	VJ0603Y332KXAAC	10	50	3300	.06	.07	.05	.043
77-VJ06Y50V472K	VJ0603Y472KXAAC	10	50	4700	.14	.13	.08	.044
77-VJ06Y50V682K	VJ0603Y682KXAAC	10	50	6800	.14	.13	.08	.044
77-VJ06Y50V103J	VJ0603Y103JXAAC	5	50	.01µF	.20	.15	.11	.06
77-VJ06Y50V103K	VJ0603Y103KXAAC	10	50	0.01µF	.12	.07	.05	.04
77-VJ06Y25V223K	VJ0603Y223KXXAC	10	25	.022µF	.14	.13	.08	.044
77-VJ06Y25V333K	VJ0603Y333KXXAC	10	25	.033µF	.12	.09	.06	.05
77-VJ06Y16V333K	VJ0603Y333KXJAC	10	16	.033µF	.12	.12	.07	.042
77-VJ06Y25V473K	VJ0603Y473KXXAC	10	25	0.047µF	.14	.13	.08	.044
77-VJ06Y16V473K	VJ0603Y473KXJAC	10	16	0.047µF	.13	.11	.06	.039
77-VJ06Y25V104K	VJ0603Y104KXXAT	10	25	0.1µF	.10	.08	.06	.05
77-VJ06Y16V104K	VJ0603Y104KXJAT	10	16	0.1µF	.10	.09	.06	.04

Style 0805

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Tol. (%)	Volt (DC)	Cap. (pF)	Price Each			
					1	100	1000	3000
Temperature Coeff: C0G								
77-VJ08A50V100F	VJ0805A100FXAAT	1	50	10	1.16	.84	.66	.57
77-VJ08A50V102J	VJ0805A102JXAAT	5	50	100	.21	.18	.14	.09
77-VJ08A100V122J	VJ0805A122JXBAT	5	100	120	.21	.18	.14	.10
77-VJ08A100V152J	VJ0805A152JXBAT	5	100	150	.21	.18	.14	.10
77-VJ08A100V100J	VJ0805A100JXBAT	5	100	10	.20	.15	.11	.06
77-VJ08A50V100J	VJ0805A100JXAAT	5	50	10	.20	.15	.11	.06
77-VJ08A100V150J	VJ0805A150JXBAT	5	100	15	.20	.15	.11	.06
77-VJ08A50V150J	VJ0805A150JXAAT	5	50	15	.20	.15	.11	.06
77-VJ08A50V180J	VJ0805A180JXAAT	5	50	18	.20	.15	.11	.06
77-VJ08A100V220J	VJ0805A220JXBAT	5	100	22	.20	.15	.11	.06
77-VJ08A50V220J	VJ0805A220JXAAT	5	50	22	.20	.15	.11	.06
77-VJ08A100V270J	VJ0805A270JXBAT	5	100	27	.20	.15	.11	.06
77-VJ08A100V330J	VJ0805A330JXBAT	5	100	33	.20	.15	.11	.06
77-VJ08A50V330J	VJ0805A330JXAAT	5	50	33	.20	.15	.11	.06
77-VJ08A100V470J	VJ0805A470JXBAT	5	100	47	.20	.15	.11	.06
77-VJ08A50V470J	VJ0805A470JXAAT	5	50	47	.20	.15	.11	.06
77-VJ08A100V510J	VJ0805A510JXBAT	5	100	51	.20	.15	.11	.06
77-VJ08A100V820J	VJ0805A820JXBAT	5	100	82	.20	.15	.11	.06
77-VJ08A100V101F	VJ0805A101FXBAT	1	100	100	1.16	.84	.66	.57
77-VJ08A100V101J	VJ0805A101JXBAT	5	100	100	.20	.15	.11	.06
77-VJ08A50V101J	VJ0805A101JXAAT	5	50	100	.20	.15	.11	.06
77-VJ08A100V121J	VJ0805A121JXBAT	5	100	120	.20	.15	.11	.06
77-VJ08A100V151J	VJ0805A151JXBAT	5	100	150	.20	.15	.11	.06
77-VJ08A100V221J	VJ0805A221JXBAT	5	100	220	.20	.15	.11	.06
77-VJ08A50V221J	VJ0805A221JXAAT	5	50	220	.20	.15	.11	.06
77-VJ08A100V331J	VJ0805A331JXBAT	5	100	330	.20	.15	.11	.06
77-VJ08A100V471J	VJ0805A471JXBAT	5	100	470	.20	.15	.11	.06
77-VJ08A50V471J	VJ0805A471JXAAT	5	50	470	.20	.15	.11	.06
77-VJ08A100V561J	VJ0805A561JXBAT	5	100	560	.20	.15	.11	.06

Style 0805 (cont.)

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Tol. (%)	Volt (DC)	Cap. (pF)	Price Each			
					1	100	1000	3000
Temperature Coeff: C0G (cont.)								
77-VJ08A50V681J	VJ0805A681JXAAT	5	50	680	.21	.18	.14	.09
77-VJ08A50V821J	VJ0805A821JXAAT	5	50	820	.21	.18	.14	.09
77-VJ08A100V102J	VJ0805A102JXBAT	5	100	10	.21	.18	.14	.09
Temperature Coeff: X7R								
77-VJ08Y100V471K	VJ0805Y471KXBAT	10	100	470	.09	.08	.06	.043
77-VJ08Y100V102K	VJ0805Y102KXBAT	10	100	1000	.09	.08	.05	.043
77-VJ08Y50V102K	VJ0805Y102KXAAT	10	50	1000	.08	.07	.06	.043
77-VJ08Y50V222K	VJ0805Y222KXAAT	10	50	2200	.08	.07	.04	.043
77-VJ08Y50V332K	VJ0805Y332KXAAT	10	50	3300	.08	.07	.04	.043
77-VJ08Y200V103K	VJ0805Y103KXCAT	10	200	0.01µF	.35	.27	.22	.089
77-VJ08Y100V103K	VJ0805Y103KXBAT	10	100	0.01µF	.08	.07	.06	.043
77-VJ08Y50V103J	VJ0805Y103JXAMT	5	50	.01µF	.21	.18	.14	.09
77-VJ08Y50V103K	VJ0805Y103KXAAT	10	50	0.01µF	.08	.07	.06	.043
77-VJ08Y100V223K	VJ0805Y223KXBAT	10	100	0.022µF	.13	.10	.09	.07
77-VJ08Y50V223K	VJ0805Y223KXAAT	10	50	0.022µF	.13	.10	.09	.07
77-VJ08Y50V333K	VJ0805Y333KXAAT	10	50	0.033µF	.13	.10	.09	.07
77-VJ08Y100V473K	VJ0805Y473KXBAT	10	100	0.047µF	.13	.10	.09	.07
77-VJ08Y50V473K	VJ0805Y473KXAAT	10	50	0.047µF	.21	.18	.14	.09
77-VJ08Y50V104K	VJ0805Y104KXAAT	10	50	0.1µF	.13	.11	.06	.039
77-VJ08Y25V104K	VJ0805Y104KXXAT	10	25	0.1µF	.21	.18	.14	.09

Style 1206

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Tol. (%)	Volt (DC)	Cap. (pF)	Price Each			
					1	100	1000	3000
Temperature Coeff: C0G								
77-VJ12A100V100J	VJ1206A100JXBAT	5	100	10	.20	.15	.11	.06
77-VJ12A100V150J	VJ1206A150JXBAT	5	100	15	.20	.15	.11	.06
77-VJ12A100V220J	VJ1206A220JXBAT	5	100	22	.20	.15	.11	.06
77-VJ12A50V220J	VJ1206A220JXAAT	5	50	22	.20	.15	.11	.06
77-VJ12A100V270J	VJ1206A270JXBAT	5	100	27	.20	.15	.11	.06
77-VJ12A50V330J	VJ1206A330JXAAT	5	50	33	.20	.15	.11	.06
77-VJ12A100V390J	VJ1206A390JXBAT	5	100	39	.20	.15	.11	.06
77-VJ12A100V470J	VJ1206A470JXBAT	5	100	47	.21	.16	.12	.06
77-VJ12A100V101J	VJ1206A101JXBAT	5	100	100	.21	.16	.12	.06
77-VJ12A50V101J	VJ1206A101JXAAT	5	50	100	.20	.15	.11	.06
77-VJ12A100V121J	VJ1206A121JXBAT	5	100	120	.22	.17	.13	.065
77-VJ12A500V471J	VJ1206A471JXEAT	5	500	470	.57	.38	.24	.19
77-VJ12A100V561J	VJ1206A561JXBAT	5	100	560	.20	.15	.11	.06
77-VJ12A100V102J	VJ1206A102JXBAT	5	100	100	.21	.18	.14	.09
77-VJ12A500V102K	VJ1206A102KXEAT	10	500	100	.37	.31	.25	.13
77-VJ12A50V332J	VJ1206A332JXAAT	5	50	330	.40	.35	.28	.16
Temperature Coeff: X7R								
77-VJ12Y50V102K	VJ1206Y102KXAAT	10	50	1000	.13	.11	.06	.039
77-VJ12Y100V222K	VJ1206Y222KXBAT	10	100	2200	.13	.11	.06	.039
77-VJ12Y50V222K	VJ1206Y222KXAAT	10	50	2200	.13	.11	.06	.039
77-VJ12Y50V332K	VJ1206Y332KXAAT	10	50	3300	.13	.11	.06	.039
77-VJ12Y100V682K	VJ1206Y682KXBAT	10	100	6800	.13	.11	.06	.039
77-VJ12Y100V752K	VJ1206Y752KXBAT	10	100	7500	.13	.11	.06	.039
77-VJ12Y500V103K	VJ1206Y103KXEAT	10	500	0.01µF	.57	.38	.24	.19
77-VJ12Y100V103K	VJ1206Y103KXBAT	10	100	0.01µF	.13	.11	.06	.039
77-VJ12Y50V103K	VJ1206Y103KXAAT	10	50	0.01µF	.13	.11	.06	.039
77-VJ12Y100V223K	VJ1206Y223KXBAT	10	100	0.022µF	.13	.10	.09	.07
77-VJ12Y50V223K	VJ1206Y223KXAAT	10	50	0.022µF	.13	.10	.09	.07
77-VJ12Y50V333K	VJ1206Y333KXAAT	10	50	0.033µF	.13	.10	.09	.07
77-VJ12Y50V473K	VJ1206Y473KXAAT	10	50	0.047µF	.13	.10	.09	.07
77-VJ12Y100V104K	VJ1206Y104KXBAT	10	100	0.1µF	.21	.18	.14	.09
77-VJ12Y50V104K	VJ1206Y104KXAAT	10	50	0.1µF	.19	.14	.12	.08
77-VJ12Y50V224K	VJ1206Y224KXAAT	10	50	0.22µF	.26	.23	.19	.13
77-VJ12Y25V224K	VJ1206Y224KXXAT	10	25	0.22µF	.40	.35	.27	.15
77-VJ12Y25V334K	VJ1206Y334KXXAT	10	25	0.33µF	.40	.35	.27	.15
77-VJ12Y25V474K	VJ1206Y474KXXAT	10	25	0.47µF	.40	.35	.28	.15

VISHAY / VITRAMON Multilayer Ceramic Chip Capacitors

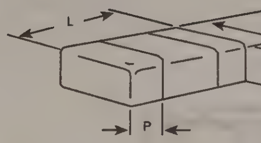
VISHAY

VISHAY VITRAMON CERAMIC CHIP CAPACITORS - COMMERCIAL, LOW COST

Applications:
- Consumer electronics
- Telecommunications
- Data processing
- Mobile applications

Features:
- For high frequency applications
- Ni-barrier with 100% tin terminations

LEAD-FREE RoHS Compliant



Style 0402

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (pF)	Volt (DC)	Tol. (%)	Dimensions: in.					Price Each		Reel Qty	Price per Piece
					W	L	T	Termination P Min.	Termination P Max.	1	100		
Temperature Coeff: C0G													
77-VJ0402A1R2CXACBC	VJ0402A1R2CXACW1BC	1.2	50	.25pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A1R8CXACBC	VJ0402A1R8CXACW1BC	1.8	50	.25pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A2R7CXACBC	VJ0402A2R7CXACW1BC	2.7	50	.25pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A3R3CXACBC	VJ0402A3R3CXACW1BC	3.3	50	.25pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A5R6DXACBC	VJ0402A5R6DXACW1BC	5.6	50	.5pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A8R2DXACBC	VJ0402A8R2DXACW1BC	8.2	50	.5pF	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A100JXACBC	VJ0402A100JXACW1BC	10	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A120JXACBC	VJ0402A120JXACW1BC	12	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A220JXACBC	VJ0402A220JXACW1BC	22	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A330JXACBC	VJ0402A330JXACW1BC	33	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A390JXACBC	VJ0402A390JXACW1BC	39	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A470JXACBC	VJ0402A470JXACW1BC	47	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A560JXACBC	VJ0402A560JXACW1BC	56	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A680JXACBC	VJ0402A680JXACW1BC	68	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
77-VJ0402A101JXACBC	VJ0402A101JXACW1BC	100	50	5%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.034	10000	.009
Temperature Coeff: X7R													
77-VJ0402Y221KXACBC	VJ0402Y221KXACW1BC	220	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402Y331KXACBC	VJ0402Y331KXACW1BC	330	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402Y471KXACBC	VJ0402Y471KXACW1BC	470	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402Y561KXACBC	VJ0402Y561KXACW1BC	560	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402Y102KXACBC	VJ0402Y102KXACW1BC	1000	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402Y152KXACBC	VJ0402Y152KXACW1BC	1500	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402Y222KXACBC	VJ0402Y222KXACW1BC	2200	50	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402Y472KXJCBC	VJ0402Y472KXJCW1BC	4700	16	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402Y103KXJCBC	VJ0402Y103KXJCW1BC	.01µF	16	10%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
Temperature Coeff: Y5V													
77-VJ0402V103ZXJCBC	VJ0402V103ZXJCW1BC	.01µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402V223ZXJCBC	VJ0402V223ZXJCW1BC	.022µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402V333ZXJCBC	VJ0402V333ZXJCW1BC	.033µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402V473ZXJCBC	VJ0402V473ZXJCW1BC	.047µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008
77-VJ0402V104ZXJCBC	VJ0402V104ZXJCW1BC	.1µF	16	-20/+80%	0.040 ± 0.004	0.020 ± 0.002	0.024	0.004	0.016	.05	.032	10000	.008

Style 0603

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (pF)	Volt (DC)	Tol. (%)	Dimensions: in.					Price Each		Reel Qty	Price per Piece
					W	L	T	Termination P Min.	Termination P Max.	1	100		
Temperature Coeff: C0G													
77-VJ0603A1R0CXACBC	VJ0603A1R0CXACW1BC	1	50	.25pF	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A3R3CXACBC	VJ0603A3R3CXACW1BC	3.3	50	.25pF	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A3R9CXACBC	VJ0603A3R9CXACW1BC	3.9	50	.25pF	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A100JXACBC	VJ0603A100JXACW1BC	10	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A120JXACBC	VJ0603A120JXACW1BC	12	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A150JXACBC	VJ0603A150JXACW1BC	15	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A180JXACBC	VJ0603A180JXACW1BC	18	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A220JXACBC	VJ0603A220JXACW1BC	22	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A270JXACBC	VJ0603A270JXACW1BC	27	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A330JXACBC	VJ0603A330JXACW1BC	33	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A470JXACBC	VJ0603A470JXACW1BC	47	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A560JXACBC	VJ0603A560JXACW1BC	56	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A680JXACBC	VJ0603A680JXACW1BC	68	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A101JXACBC	VJ0603A101JXACW1BC	100	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.06	.035	4000	.009
77-VJ0603A151JXACBC	VJ0603A151JXACW1BC	150	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.07	.044	4000	.011
77-VJ0603A181JXACBC	VJ0603A181JXACW1BC	180	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.08	.048	4000	.012
77-VJ0603A221JXACBC	VJ0603A221JXACW1BC	220	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.08	.048	4000	.012
77-VJ0603A271JXACBC	VJ0603A271JXACW1BC	270	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.10	.061	4000	.016
77-VJ0603A331JXACBC	VJ0603A331JXACW1BC	330	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.10	.061	4000	.016
77-VJ0603A471JXACBC	VJ0603A471JXACW1BC	470	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.12	.073	4000	.019
77-VJ0603A681JXACBC	VJ0603A681JXACW1BC	680	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.19	.115	4000	.03
Temperature Coeff: X7R													
77-VJ0603Y221KXACBC	VJ0603Y221KXACW1BC	220	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009
77-VJ0603Y471KXACBC	VJ0603Y471KXACW1BC	470	50	5%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009
77-VJ0603Y561KXACBC	VJ0603Y561KXACW1BC	560	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009
77-VJ0603Y102KXACBC	VJ0603Y102KXACW1BC	1000	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009
77-VJ0603Y222KXACBC	VJ0603Y222KXACW1BC	2200	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009
77-VJ0603Y332KXACBC	VJ0603Y332KXACW1BC	3300	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009
77-VJ0603Y472KXACBC	VJ0603Y472KXACW1BC	4700	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009
77-VJ0603Y103KXACBC	VJ0603Y103KXACW1BC	.01µF	50	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009
77-VJ0603Y223KXJCBC	VJ0603Y223KXJCW1BC	.022µF	16	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.07	.041	4000	.011
77-VJ0603Y104KXJCBC	VJ0603Y104KXJCW1BC	.1µF	16	10%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.12	.074	4000	.019
Temperature Coeff: Y5V													
77-VJ0603V104ZXXCBC	VJ0603V104ZXXCW1BC	.1µF	25	-20/+80%	0.063 ± 0.005	0.031 ± 0.005	0.035	0.012	0.018	.05	.034	4000	.009

VISHAY / VITRAMON Multilayer Ceramic Chip Capacitors

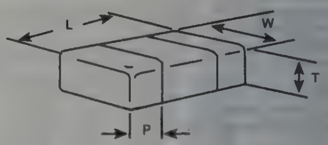
VISHAY VITRAMON CERAMIC CHIP CAPACITORS - COMMERCIAL, LOW COST

Applications:
- Consumer electronics
- Telecommunications
- Data processing
- Mobile applications

Features:
- For high frequency applications
- Ni-barrier with 100% tin terminations

LEAD-FREE

RoHS Compliant



Style 0805

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (pF)	Volt (DC)	Tol. (%)	Dimensions: in.					Price Each		Reel Qty	Price per Piece
					W	L	T	Termination P					
								Min.	Max.	1	100		
Temperature Coeff: C0G													
77-VJ0805A100JXACBC	VJ0805A100JXACW1BC	10	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A120JXACBC	VJ0805A120JXACW1BC	12	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A150JXACBC	VJ0805A150JXACW1BC	15	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A180JXACBC	VJ0805A180JXACW1BC	18	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A220JXACBC	VJ0805A220JXACW1BC	22	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A270JXACBC	VJ0805A270JXACW1BC	27	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A330JXACBC	VJ0805A330JXACW1BC	33	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A390JXACBC	VJ0805A390JXACW1BC	39	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A470JXACBC	VJ0805A470JXACW1BC	47	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A680JXACBC	VJ0805A680JXACW1BC	68	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A101JXACBC	VJ0805A101JXACW1BC	100	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805A121JXACBC	VJ0805A121JXACW1BC	120	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.13	.080	4000	.021
77-VJ0805A151JXACBC	VJ0805A151JXACW1BC	150	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.16	.096	4000	.025
77-VJ0805A181JXACBC	VJ0805A181JXACW1BC	180	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.16	.096	4000	.025
77-VJ0805A331JXACBC	VJ0805A331JXACW1BC	330	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.19	.115	4000	.03
77-VJ0805A471JXACBC	VJ0805A471JXACW1BC	470	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.19	.115	4000	.03
77-VJ0805A102JXACBC	VJ0805A102JXACW1BC	1000	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.19	.119	4000	.031
Temperature Coeff: X7R													
77-VJ0805Y221KXACBC	VJ0805Y221KXACW1BC	220	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y471KXACBC	VJ0805Y471KXACW1BC	470	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y102KXACBC	VJ0805Y102KXACW1BC	1000	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y152KXACBC	VJ0805Y152KXACW1BC	1500	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y222KXACBC	VJ0805Y222KXACW1BC	2200	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y272KXACBC	VJ0805Y272KXACW1BC	2700	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y332KXACBC	VJ0805Y332KXACW1BC	3300	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y392KXACBC	VJ0805Y392KXACW1BC	3900	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y472KXACBC	VJ0805Y472KXACW1BC	4700	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y562KXACBC	VJ0805Y562KXACW1BC	5600	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y682KXACBC	VJ0805Y682KXACW1BC	6800	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y103JXACBC	VJ0805Y103JXACW1BC	.01μF	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.15	.092	4000	.024
77-VJ0805Y103KXACBC	VJ0805Y103KXACW1BC	.01μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.10	.061	4000	.016
77-VJ0805Y103KXBCBC	VJ0805Y103KXBCW1BC	.01μF	100	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.17	.107	4000	.028
77-VJ0805Y223JXACBC	VJ0805Y223JXACW1BC	.022μF	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.18	.11	4000	.028
77-VJ0805Y223KXACBC	VJ0805Y223KXACW1BC	.022μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.12	.074	4000	.019
77-VJ0805Y273KXACBC	VJ0805Y273KXACW1BC	.027μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.12	.074	4000	.019
77-VJ0805Y473KXACBC	VJ0805Y473KXACW1BC	.047μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.12	.074	4000	.019
77-VJ0805Y104KXJCBC	VJ0805Y104KXJCW1BC	.1μF	16	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.13	.08	4000	.021
77-VJ0805Y104KXXCBC	VJ0805Y104KXXCW1BC	.1μF	25	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.13	.08	4000	.021
77-VJ0805Y104JXATBC	VJ0805Y104JXATW1BC	.1μF	50	5%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.21	.127	3000	.033
77-VJ0805Y104KXATBC	VJ0805Y104KXATW1BC	.1μF	50	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.14	.084	3000	.022
77-VJ0805Y224KXJTBC	VJ0805Y224KXJTW1BC	.22μF	16	10%	0.079 ± 0.008	0.049 ± 0.008	0.053	0.01	0.028	.18	.11	3000	.026

Style 1206

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (pF)	Volt (DC)	Tol. (%)	Dimensions: in.					Price Each		Reel Qty	Price per Piece
					W	L	T	Termination P					
								Min.	Max.	1	100		
Temperature Coeff: C0G													
77-VJ1206A3R3CXACBC	VJ1206A3R3CXACW1BC	3.3	50	.25pF	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A100JXACBC	VJ1206A100JXACW1BC	10	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A150JXACBC	VJ1206A150JXACW1BC	15	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A220JXACBC	VJ1206A220JXACW1BC	22	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A270JXACBC	VJ1206A270JXACW1BC	27	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A270JXBCBC	VJ1206A270JXBCW1BC	27	100	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.18	.11	4000	.026
77-VJ1206A330JXACBC	VJ1206A330JXACW1BC	33	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A390JXACBC	VJ1206A390JXACW1BC	39	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A470JXACBC	VJ1206A470JXACW1BC	47	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A101JXACBC	VJ1206A101JXACW1BC	100	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.16	.10	4000	.024
77-VJ1206A181JXBCBC	VJ1206A181JXBCW1BC	180	100	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.20	.12	4000	.03
77-VJ1206A471JXACBC	VJ1206A471JXACW1BC	470	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.22	.13	4000	.033
77-VJ1206A102JXACBC	VJ1206A102JXACW1BC	1000	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.25	.15	4000	.037
77-VJ1206A102JXBCBC	VJ1206A102JXBCW1BC	1000	100	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.25	.15	4000	.037
77-VJ1206A152JXACBC	VJ1206A152JXACW1BC	1500	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.31	.19	4000	.046
77-VJ1206A222JXACBC	VJ1206A222JXACW1BC	2200	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.36	.21	4000	.053
77-VJ1206A332JXACBC	VJ1206A332JXACW1BC	3300	50	5%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.38	.23	4000	.056
Temperature Coeff: X7R													
77-VJ1206Y102KXACBC	VJ1206Y102KXACW1BC	1000	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.14	.08	4000	.021
77-VJ1206Y222KXACBC	VJ1206Y222KXACW1BC	2200	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.15	.09	4000	.022
77-VJ1206Y332KXACBC	VJ1206Y332KXACW1BC	3300	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.15	.09	4000	.022
77-VJ1206Y103KXACBC	VJ1206Y103KXACW1BC	.01μF	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.15	.09	4000	.022
77-VJ1206Y104KXACBC	VJ1206Y104KXACW1BC	.1μF	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.15	.09	4000	.022
77-VJ1206Y104KXBTBC	VJ1206Y104KXBTW1BC	.1μF	100	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.17	.10	3000	.025
77-VJ1206Y224KXATBC	VJ1206Y224KXATW1BC	.22μF	50	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.25	.15	3000	.037
77-VJ1206Y334KXXTBC	VJ1206Y334KXXTW1BC	.33μF	25	10%	0.126 ± 0.008	0.063 ± 0.008	0.067	0.01	0.028	.32	.19	3000	.047

XICON SMD Multilayer Ceramic Chip Capacitors

XICON™ Passive Components

RoHS Compliant **This page of product is compliant.**

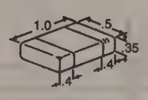
Features:
- Miniature in size, high capacitance to volume ratio
- Standard tape and reel
- High mounting density
- Non-polar design
- 50 volt rating

DIMENSIONS: mm

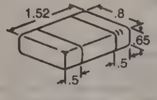
Part Legend: 140 - CC 50 4 N 101 J

Prefix — 140
Series — CC
Volt — 50
Case — 4
T.C. — N
Value — 101
Tolerance — J

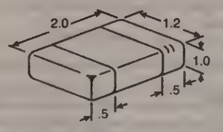
RoHS Compliant



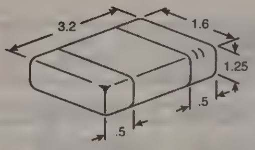
0402 SMD Case



0603 SMD Case



0805 SMD Case



1206 SMD Case

TEMPERATURE COEFFICIENT: NPO -55°C TO 125°C

For quantities of 20+ reels, call for quote.

MOUSER STOCK NO.	Value (pF)	Tol (±)	Price Each		Reel Qty.	Price Per Piece		
			1	50		1 Reel	2 Reels	5 Reels
0402 SMD Case 50 Volt								
140-CC505N1.0C-RC	1	.25pF	.06	.05	10000	.008	.007	.006
140-CC505N1.5C-RC	1.5	.25pF	.06	.05	10000	.008	.007	.006
140-CC505N2.0C-RC	2	.25pF	.06	.05	10000	.008	.007	.006
140-CC505N2.2C-RC	2.2	.25pF	.06	.05	10000	.008	.007	.006
140-CC505N3.0C-RC	3	.25pF	.06	.05	10000	.008	.007	.006
140-CC505N3.3C-RC	3.3	.25pF	.06	.05	10000	.008	.007	.006
140-CC505N3.9C-RC	3.9	.25pF	.06	.05	10000	.008	.007	.006
140-CC505N4.7C-RC	4.7	.25pF	.06	.05	10000	.008	.007	.006
140-CC505N5.0D-RC	5	.5pF	.06	.05	10000	.008	.007	.006
140-CC505N6.0D-RC	6	.5pF	.06	.05	10000	.008	.007	.006
140-CC505N6.8D-RC	6.8	.5pF	.06	.05	10000	.008	.007	.006
140-CC505N7.0D-RC	7	.5pF	.06	.05	10000	.008	.007	.006
140-CC505N8.0D-RC	8	.5pF	.06	.05	10000	.008	.007	.006
140-CC505N9.0D-RC	9	.5pF	.06	.05	10000	.008	.007	.006
140-CC505N120J-RC	12	5%	.06	.05	10000	.008	.007	.006
140-CC505N150J-RC	15	5%	.06	.05	10000	.008	.007	.006
140-CC505N180J-RC	18	5%	.06	.05	10000	.008	.007	.006
140-CC505N220J-RC	22	5%	.06	.05	10000	.008	.007	.006
140-CC505N270J-RC	27	5%	.06	.05	10000	.008	.007	.006
140-CC505N330J-RC	33	5%	.06	.05	10000	.008	.007	.006
140-CC505N390J-RC	39	5%	.06	.05	10000	.008	.007	.006
140-CC505N470J-RC	47	5%	.06	.05	10000	.008	.007	.006
140-CC505N560J-RC	56	5%	.06	.05	10000	.008	.007	.006
140-CC505N680J-RC	68	5%	.06	.05	10000	.008	.007	.006
140-CC505N820J-RC	82	5%	.06	.05	10000	.008	.007	.006
140-CC505N121J-RC	120	5%	.08	.06	10000	.010	.009	.008
140-CC505N151J-RC	150	5%	.09	.07	10000	.011	.010	.009
140-CC505N181J-RC	180	5%	.10	.07	10000	.012	.011	.010
140-CC505N221J-RC	220	5%	.10	.07	10000	.012	.011	.010
0603 SMD Case 50 Volt								
140-CC504N1.0C-RC	1	.25pF	.05	.043	4000	.009	.008	.006
140-CC504N1.5C-RC	1.5	.25pF	.05	.043	4000	.009	.008	.006
140-CC504N2.0C-RC	2	.25pF	.05	.043	4000	.009	.008	.006
140-CC504N2.2C-RC	2.2	.25pF	.05	.043	4000	.009	.008	.006
140-CC504N3.0C-RC	3	.25pF	.05	.043	4000	.009	.008	.006
140-CC504N3.3C-RC	3.3	.25pF	.05	.043	4000	.009	.008	.006
140-CC504N3.9C-RC	3.9	.25pF	.05	.043	4000	.009	.008	.006
140-CC504N6.0D-RC	6	.5pF	.05	.043	4000	.009	.008	.006
140-CC504N6.8D-RC	6.8	.5pF	.05	.043	4000	.009	.008	.006
140-CC504N8.0D-RC	8	.5pF	.05	.043	4000	.009	.008	.006
140-CC504N100D-RC	10	.5pF	.05	.043	4000	.009	.008	.006
140-CC504N120J-RC	12	5%	.05	.043	4000	.009	.008	.006
140-CC504N150J-RC	15	5%	.05	.043	4000	.009	.008	.006
140-CC504N180J-RC	18	5%	.05	.043	4000	.009	.008	.006
140-CC504N220J-RC	22	5%	.05	.043	4000	.009	.008	.006
140-CC504N270J-RC	27	5%	.05	.043	4000	.009	.008	.006
140-CC504N330J-RC	33	5%	.05	.043	4000	.009	.008	.006
140-CC504N390J-RC	39	5%	.05	.043	4000	.009	.008	.006
140-CC504N470J-RC	47	5%	.05	.043	4000	.009	.008	.006
140-CC504N101J-RC	100	5%	.05	.043	4000	.009	.008	.006
140-CC504N151J-RC	150	5%	.05	.044	4000	.009	.008	.006
140-CC504N221J-RC	220	5%	.05	.044	4000	.009	.008	.006
0805 SMD Case 50 Volt								
140-CC501N0.5C-RC	0.5	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N1.0C-RC	1.0	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N1.5C-RC	1.5	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N2.0C-RC	2.0	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N2.2C-RC	2.2	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N3.0C-RC	3.0	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N3.3C-RC	3.3	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N3.9C-RC	3.9	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N4.7C-RC	4.7	.25pF	.06	.05	4000	.009	.008	.007
140-CC501N5.0D-RC	5.0	.5pF	.08	.06	4000	.014	.013	.011
140-CC501N6.0D-RC	6.0	.5pF	.06	.05	4000	.009	.008	.007
140-CC501N6.8D-RC	6.8	.5pF	.06	.05	4000	.009	.008	.007
140-CC501N7.0D-RC	7.0	.5pF	.06	.05	4000	.009	.008	.007
140-CC501N8.0D-RC	8.0	.5pF	.08	.06	4000	.014	.013	.011
140-CC501N100D-RC	10	.5pF	.06	.05	4000	.009	.008	.007
140-CC501N120J-RC	12	5%	.06	.05	4000	.009	.008	.007
140-CC501N150J-RC	15	5%	.06	.05	4000	.009	.008	.007
140-CC501N180J-RC	18	5%	.06	.05	4000	.009	.008	.007
140-CC501N220J-RC	22	5%	.06	.05	4000	.009	.008	.007
140-CC501N270J-RC	27	5%	.06	.05	4000	.009	.008	.007
140-CC501N330J-RC	33	5%	.06	.05	4000	.009	.008	.007
140-CC501N390J-RC	39	5%	.06	.05	4000	.009	.008	.007
140-CC501N470J-RC	47	5%	.06	.05	4000	.009	.008	.007
140-CC501N560J-RC	56	5%	.06	.05	4000	.009	.008	.007
140-CC501N680J-RC	68	5%	.06	.05	4000	.009	.008	.007
140-CC501N820J-RC	82	5%	.06	.05	4000	.009	.008	.007
140-CC501N101J-RC	100	5%	.06	.05	4000	.009	.008	.007
140-CC501N121J-RC	120	5%	.08	.06	4000	.014	.013	.011
140-CC501N151J-RC	150	5%	.08	.07	4000	.014	.013	.011
140-CC501N181J-RC	180	5%	.08	.07	4000	.014	.013	.011
140-CC501N221J-RC	220	5%	.08	.07	4000	.014	.013	.011
140-CC501N271J-RC	270	5%	.08	.07	4000	.015	.013	.012
140-CC501N331J-RC	330	5%	.08	.07	4000	.015	.013	.012
140-CC501N471J-RC	470	5%	.08	.047	4000	.015	.014	.013
140-CC501N561J-RC	560	5%	.13	.11	4000	.020	.019	.016
140-CC501N681J-RC	680	5%	.13	.11	4000	.020	.019	.016
140-CC501N102J-RC	1000	5%	.13	.11	4000	.020	.019	.016

TEMPERATURE COEFFICIENT: X7R -55°C TO 125°C

For quantities of 20+ reels, call for quote.

MOUSER STOCK NO.	Value (pF)	Tol±	Price Each		Reel Qty.	Price Per Piece		
			1	50		1 Reel	2 Reels	5 Reels
0402 SMD Case 50 Volt								
140-CC505B221K-RC	220	10%	.06	.05	10000	.018	.010	.009
140-CC505B271K-RC	270	10%	.06	.05	10000	.018	.010	.009
140-CC505B331K-RC	330	10%	.06	.05	10000	.018	.010	.009
140-CC505B391K-RC	390	10%	.06	.05	10000	.018	.010	.009
140-CC505B471K-RC	470	10%	.06	.05	10000	.018	.010	.009
140-CC505B561K-RC	560	10%	.06	.05	10000	.018	.010	.009
140-CC505B681K-RC	680	10%	.06	.05	10000	.018	.010	.009
140-CC505B821K-RC	820	10%	.06	.05	10000	.018	.010	.009
140-CC505B102K-RC	1000	10%	.06	.05	10000	.018	.010	.009
0402 SMD Case 25 Volt								
140-CC255B122K-RC	1200	10%	.06	.05	10000	.018	.010	.009
140-CC255B152K-RC	1500	10%	.06	.05	10000	.018	.010	.009
140-CC255B182K-RC	1800	10%	.06	.05	10000	.018	.010	.009
140-CC255B222K-RC	2200	10%	.06	.05	10000	.018	.010	.009
140-CC255B272K-RC	2700	10%	.06	.05	10000	.018	.010	.009
140-CC255B332K-RC	3300	10%	.06	.05	10000	.018	.010	.009
140-CC255B392K-RC	3900	10%	.06	.05	10000	.018	.010	.009
140-CC255B472K-RC	4700	10%	.06	.05	10000	.018	.010	.009
140-CC255B562K-RC	5600	10%	.07	.06	10000	.021	.011	.010
140-CC255B682K-RC	6800	10%	.07	.06	10000	.021	.011	.010
140-CC255B822K-RC	8200	10%	.07	.06	10000	.021	.011	.010
140-CC255B103K-RC	.01μF	10%	.08	.07	10000	.023	.012	.011
0603 SMD Case 50 Volt								
140-CC504B471K-RC	470	10%	.05	.04	4000	.008	.007	.005
140-CC504B102K-RC	1000	10%	.05	.04	4000	.008	.007	.005
140-CC504B152K-RC	1500	10%	.05	.04	4000	.008	.007	.005
140-CC504B472K-RC	4700	10%	.05	.04	4000	.008	.007	.005
140-CC504B103K-RC	.01μF	10%	.05	.04	4000	.008	.007	.005
0805 SMD Case 50 Volt								
140-CC501B221K-RC	220	10%	.04	.034	4000	.008	.007	.006
140-CC501B271K-RC	270	10%	.04	.034	4000	.008	.007	.006
140-CC501B331K-RC	330	10%	.04	.034	4000	.008	.007	.006
140-CC501B471K-RC	470	10%	.04	.034	4000	.008	.007	.006
140-CC501B561K-RC	560	10%	.04	.034	4000	.008	.007	.006
140-CC501B102K-RC	1000	10%	.04	.034	4000	.008	.007	.006
140-CC501B122K-RC	1200	10%	.04	.034	4000	.008	.007	.006
140-CC501B152K-RC	1500	10%	.04	.034	4000	.008	.007	.006
140-CC501B182K-RC	1800	10%	.04	.034	4000	.008	.007	.006
140-CC501B222K-RC	2200	10%	.04	.034	4000	.008	.007	.006
140-CC501B272K-RC	2700	10%	.04	.034	4000	.008	.007	.006
140-CC501B332K-RC	3300	10%	.04	.034	4000	.008	.007	.006
140-CC501B392K-RC	3900	10%	.04	.034	4000	.008	.007	.006
140-CC501B472K-RC	4700	10%	.04	.034	4000	.008	.007	.006
140-CC501B562K-RC	5600	10%	.04	.034	4000	.008	.007	.006
140-CC501B682K-RC	6800	10%	.04	.034	4000	.008	.007	.006
140-CC501B103K-RC	.01μF	10%	.06	.05	4000	.008	.007	.006
140-CC501B223K-RC	.022μF	10%	.10	.08	4000	.011	.010	.008
140-CC501B473K-RC	.047μF	10%	.10	.08	4000	.011	.010	.008
140-CC501B104K-RC	.1μF	10%	.20	.17	4000	.015	.014	.012
1206 SMD Case 50 Volt								
140-CC502B391K-RC	390	10%	.08	.070	4000	.020	.019	.017
140-CC502B471K-RC	470	10%	.08	.070	4000	.020	.019	.017
140-CC502B681K-RC	680	10%	.08	.070	4000	.020	.019	.017
140-CC502B102K-RC	1000	10%	.08	.070	4000	.020	.019	.017
140-CC502B222K-RC	2200	10%	.08	.070	4000	.020	.019	.017
140-CC502B332K-RC	3300	10%	.08	.070	4000	.020	.019	.017
140-CC502B472K-RC	4700	10%	.08	.070	4000	.020	.019	.017
140-CC502B103K-RC	.01μF	10%	.08	.070	4000	.020	.019	.017
140-CC502B223K-RC	.022μF	10%	.09	.080	4000	.023	.021	.019
140-CC502B273K-RC	.027μF	10%	.09	.080	4000	.023	.021	.019
140-CC502B333K-RC	.033μF	10%	.09	.080	4000	.023	.021	.020
140-CC502B473K-RC	.047μF	10%	.09	.080	4000	.023	.021	.019
140-CC502B683K-RC	.068μF	10%	.09	.080	4000	.023	.021	.019
140-CC502B104K-RC	.1μF	10%	.09	.080	4000	.023	.021	.019

AVX Disc Ceramic Capacitors

AVX
A KYOCERA GROUP COMPANY

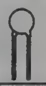
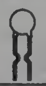
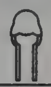
RoHS Compliant **This page of product is compliant.**

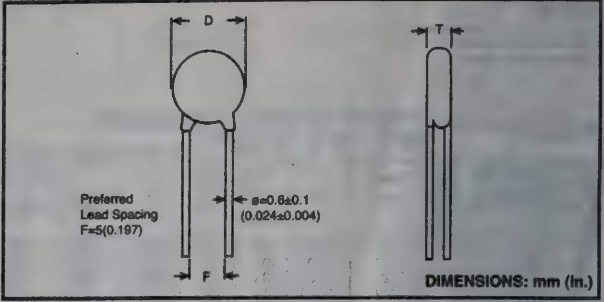
DIELECTRIC CLASS II

These ceramic capacitors have a high dielectric constant, which makes high capacitance values in reduced dimensions possible. The temperature coefficient and loss factor are, however, greater than Class I.

- Typical applications are decoupling and bypass.
- Meets IEC 389-9 (1996)

RoHS Compliant

Lead Spacing		Lead Forming		
mm	inches			
5+0.6/-0.2	.2±.025	A	O	N
7.5+1/-0.5	.3±.05	B	R	-
10+0.5/-1	.4±.05	C	W	-



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (pF)	Temp Coef	Tol.	Lead Forming	Dimensions: mm (in.)		Price Each			
						D ±2 (0.079)	T Max.	1	100	500	1000
25 VDC											
581-5ZF104ZOCAM	5ZF104ZOCAM	100000	Y5V	-20+80%	O	6.0 (0.236)	4.0 (0.157)	.19	.14	.08	.07
50 VDC											
581-5WH103ZACJH	5WH103ZACJH	10000	Y5P	-20+80%	A	6.0 (0.236)	4.0 (0.157)	.19	.14	.08	.07
581-5WH103MACJI	5WH103MACJI	10000	Y5P	20%	A	6.0 (0.236)	4.0 (0.157)	.19	.14	.08	.05
581-5YH103ZAAJA	5YH103ZAAJA	10000	Y5U	-20+80%	A	4.0 (0.157)	3.0 (0.118)	.17	.12	.07	.04
581-5YH103ZAAJI	5YH103ZAAJI	10000	Y5U	-20+80%	A	4.0 (0.157)	3.0 (0.118)	.17	.12	.07	.04
581-5YH473ZOEAM	5YH473ZOEAM	47000	Y5U	-20+80%	O	8.0 (0.315)	4.0 (0.157)	.21	.16	.09	.05
581-5ZH104MACJI	5ZH104MACJI	100000	Y5V	20%	A	6.0 (0.236)	4.0 (0.157)	.14	.11	.06	.04
581-5ZH104ZACJA	5ZH104ZACJA	100000	Y5V	-20+80%	A	6.0 (0.236)	4.0 (0.157)	.14	.11	.06	.04
581-5ZH104ZACJI	5ZH104ZACJI	100000	Y5V	-20+80%	A	6.0 (0.236)	4.0 (0.157)	.14	.11	.06	.04
581-5ZH104ZOCJM	5ZH104ZOCJM	100000	Y5V	-20+80%	O	6.0 (0.236)	4.0 (0.157)	.20	.16	.12	.08
581-5ZH104ZACAH	5ZH104ZACAH	100000	Y5V	-20+80%	A	6.0 (0.236)	4.0 (0.157)	.18	.13	.08	.04
581-5ZH104ZOCJL	5ZH104ZOCJL	100000	Y5V	-20+80%	O	6.0 (0.236)	4.0 (0.157)	.16	.12	.07	.04
581-5ZH104ZOCAM	5ZH104ZOCAM	100000	Y5V	-20+80%	O	6.0 (0.236)	4.0 (0.157)	.22	.16	.09	.05
581-5ZH104ZOCJA	5ZH104ZOCJA	100000	Y5V	-20+80%	O	6.0 (0.236)	4.0 (0.157)	.16	.12	.07	.04
100 VDC											
581-5AK220KABJI	5AK220KABJI	22	NP0	10%	A	5.0 (0.197)	4.0 (0.157)	.07	.05	.03	.02
581-5AK270KABJI	5AK270KABJI	27	NP0	10%	A	5.0 (0.197)	4.0 (0.157)	.08	.06	.04	.02
581-5KK330KOAAM	5KK330KOAAM	33	SL	10%	O	4.0 (0.157)	3.0 (0.118)	.08	.06	.04	.02
581-5AK330KOBAM	5AK330KOBAM	33	NP0	10%	O	5.0 (0.197)	4.0 (0.157)	.10	.07	.04	.03
581-5KK560KOAAM	5KK560KOAAM	56	SL	10%	O	4.0 (0.157)	3.0 (0.118)	.10	.08	.05	.03
581-5AK680JAEJH	5AK680JAEJH	68	NP0	5%	A	8.0 (0.315)	4.0 (0.157)	.10	.07	.04	.03
581-5NK101KOAAM	5NK101KOAAM	100	Y5F	10%	O	4.0 (0.157)	3.0 (0.118)	.07	.05	.03	.02
581-5AK121KAFJI	5AK121KAFJI	120	NP0	10%	A	9.0 (0.354)	5.0 (0.197)	.10	.08	.05	.03
581-5OK221MAAJI	5OK221MAAJI	220	Y5P	20%	A	4.0 (0.157)	3.0 (0.118)	.07	.05	.03	.02
581-5OK471KOAAM	5OK471KOAAM	470	Y5P	10%	O	4.0 (0.157)	3.0 (0.118)	.15	.11	.07	.04
581-5NK471KOBAM	5NK471KOBAM	470	Y5F	10%	O	5.0 (0.197)	4.0 (0.157)	.07	.05	.03	.02
581-5OK471MAAJI	5OK471MAAJI	470	Y5P	20%	A	4.0 (0.157)	3.0 (0.118)	.07	.05	.03	.02
581-5OK102KOBAM	5OK102KOBAM	1000	Y5P	10%	O	5.0 (0.197)	4.0 (0.157)	.07	.05	.03	.02
581-5OK102KABJI	5OK102KABJI	1000	Y5P	10%	A	5.0 (0.197)	4.0 (0.157)	.06	.05	.03	.02
581-5OK102KABJH	5OK102KABJH	1000	Y5P	10%	A	5.0 (0.197)	4.0 (0.157)	.07	.05	.03	.02
581-5OK222KOEAM	5OK222KOEAM	2200	Y5P	10%	O	8.0 (0.315)	4.0 (0.157)	.16	.12	.07	.04
581-5UK103ZOBAM	5UK103ZOBAM	10000	Z5V	-20+80%	O	5.0 (0.197)	4.0 (0.157)	.18	.14	.08	.05
581-5SK103SOHAM	5SK103SOHAM	10000	Y5U	-20+50%	O	11.0 (0.433)	5.0 (0.197)	.23	.17	.10	.06
500 VDC											
581-5AQ470KODAM	5AQ470KODAM	47	NP0	10%	O	7.0 (0.276)	4.0 (0.157)	.11	.08	.05	.03
581-5MQ101KOAAM	5MQ101KOAAM	100	Y5E	10%	O	4.0 (0.157)	3.0 (0.118)	.08	.06	.04	.02
581-5NQ101KOAAM	5NQ101KOAAM	100	Y5F	10%	O	4.0 (0.157)	3.0 (0.118)	.08	.06	.04	.02
581-5OQ101KOAAM	5OQ101KOAAM	100	Y5P	10%	O	4.0 (0.157)	3.0 (0.118)	.10	.07	.04	.03
581-5NQ271KOAAM	5NQ271KOAAM	270	Y5F	10%	O	4.0 (0.157)	3.0 (0.118)	.14	.10	.06	.03
581-5KQ331JOCAM	5KQ331JOCAM	330	SL	5%	O	6.0 (0.236)	4.0 (0.157)	.17	.13	.07	.04
581-5NQ391KOAAM	5NQ391KOAAM	390	Y5F	10%	O	4.0 (0.157)	3.0 (0.118)	.08	.06	.04	.02
581-5MQ391KOBAM	5MQ391KOBAM	390	Y5E	10%	O	5.0 (0.197)	4.0 (0.157)	.10	.07	.04	.03
581-5OQ471KOAAM	5OQ471KOAAM	470	Y5P	10%	O	4.0 (0.157)	3.0 (0.118)	.17	.13	.07	.04
581-5NQ471KOBAM	5NQ471KOBAM	470	Y5F	10%	O	5.0 (0.197)	4.0 (0.157)	.14	.10	.06	.03
581-5OQ471MOAAM	5OQ471MOAAM	470	Y5P	20%	O	4.0 (0.157)	3.0 (0.118)	.16	.12	.07	.04
581-5OQ561KOAAM	5OQ561KOAAM	560	Y5P	10%	O	4.0 (0.157)	3.0 (0.118)	.16	.12	.07	.04
581-5NQ821KOCAM	5NQ821KOCAM	820	Y5F	10%	O	6.0 (0.236)	4.0 (0.157)	.17	.13	.09	.06
581-5OQ102KOCAM	5OQ102KOCAM	1000	Y5P	10%	O	6.0 (0.236)	4.0 (0.157)	.21	.16	.12	.08
581-5OQ102MOCAM	5OQ102MOCAM	1000	Y5P	20%	O	6.0 (0.236)	4.0 (0.157)	.16	.12	.07	.04
581-5OQ102KACJA	5OQ102KACJA	1000	Y5P	10%	A	6.0 (0.236)	4.0 (0.157)	.17	.13	.07	.04
581-5SQ102MAAAA	5SQ102MAAAA	1000	Y5U	20%	A	4.0 (0.157)	3.0 (0.118)	.19	.14	.08	.05
581-5SQ102MOAAM	5SQ102MOAAM	1000	Y5U	20%	O	4.0 (0.157)	3.0 (0.118)	.16	.12	.11	.10
581-5SQ102MOAAL	5SQ102MOAAL	1000	Y5U	20%	O	4.0 (0.157)	3.0 (0.118)	.21	.16	.09	.05
581-5OQ102KACAH	5OQ102KACAH	1000	Y5P	10%	A	6.0 (0.236)	4.0 (0.157)	.10	.08	.05	.03
581-5OQ152KODAM	5OQ152KODAM	1500	Y5P	10%	O	7.0 (0.276)	4.0 (0.157)	.23	.17	.10	.06
581-5SQ222MADAK	5SQ222MADAK	2200	Y5U	20%	A	7.0 (0.276)	4.0 (0.157)	.22	.16	.09	.05
581-5OQ472KOHAM	5OQ472KOHAM	4700	Y5P	10%	O	11.0 (0.433)	5.0 (0.197)	.30	.23	.13	.08
1KV VDC											
581-5NR221KAACA	5NR221KAACA	220	Y5F	10%	A	4.0 (0.157)	3.0 (0.118)	.18	.14	.08	.05
581-5NR332KWJCA	5NR332KWJCA	3300	Y5F	10%	W	13.0 (0.512)	6.0 (0.236)	.20	.15	.09	.05
2KV VDC											
581-6LS221KNDCM	6LS221KNDCM	220	Y5P	10%	N	7.0 (0.276)	4.0 (0.157)	.38	.28	.16	.09
581-6LS331KNECM	6LS331KNECM	330	Y5P	10%	N	8.0 (0.315)	4.0 (0.157)	.43	.32	.19	.11
581-6LS471KNFCM	6LS471KNFCM	470	Y5P	10%	N	9.0 (0.354)	5.0 (0.197)	.52	.39	.22	.13
581-5NS102MBFCI	5NS102MBFCI	1000	Y5F	20%	B	9.0 (0.354)	5.0 (0.197)	.28	.21	.12	.07
581-6LS102KNHCM	6LS102KNHCM	1000	Y5P	10%	N	11.0 (0.433)	5.0 (0.197)	.58	.43	.25	.14
SAFETY											
581-62O222MCHCA	62O222MCHCA	2200	SAFETY	20%	C	11.0 (0.433)	5.0 (0.197)	.71	.53	.31	.18
581-65N472SBKCT	65N472SBKCT	4700	SAFETY	-20+50%	B	15.0 (0.591)	6.0 (0.236)	.56	.44	.25	.15
581-65N472SRKCT	65N472SRKCT	4700	SAFETY	-20+50%	R	15.0 (0.591)	6.0 (0.236)	.83	.62	.36	.21

AVX Multilayer Ceramic Capacitors

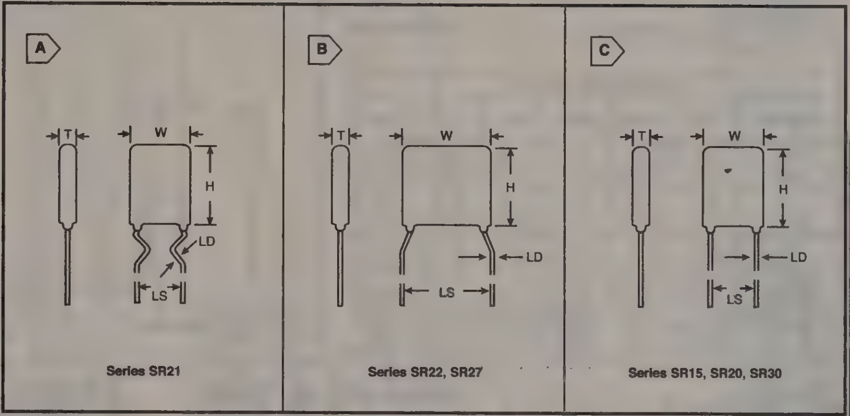
A KYOCERA GROUP COMPANY

AVX SKYCAP® SR SERIES RADIAL CONFORMAL COATED CERAMIC CAPACITORS

Specifications:
- Conformally Coated Radial Leaded MLC
- Temperature Coefficients: C0G (NP0), X7R, Z5U
- Case Material: Epoxy
- Lead Material: 24 AWG solid copper-plated

RoHS Compliant

DIMENSIONS: mm (in.)						
AVX Style	SR15	SR20	SR21	SR22	SR27	SR30
(W) Width	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.604 (0.260)	7.62 (0.300)
(H) Height	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)
(T) Thickness	2.54 (0.100)	3.175 (0.125)	3.175 (0.125)	3.175 (0.125)	4.06 (0.160)	3.81 (0.150)
(L.S.) Lead Spacing	2.54 (0.100)	2.54 (0.100)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)	5.08 (0.200)
(L.D.) Lead Dia.	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)



Series SR21

Series SR22, SR27

Series SR15, SR20, SR30

C0G

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (pF)	Tol. ±	Price Each			
					1	100	500	1000
50 Volts								
581-SR275A100JAR	SR275A100JAR	B	10	5%	.32	.27	.22	.18
581-SR215A180JAR	SR215A180JAR	A	18	5%	.26	.22	.18	.14
581-SR215A270JAR	SR215A270JAR	A	27	5%	.33	.28	.22	.18
581-SR215A151JAR	SR215A151JAR	A	150	5%	.33	.28	.22	.18
581-SR215A221KAR	SR215A221KAR	A	220	10%	.26	.22	.18	.14
581-SR215A391JAR	SR215A391JAR	A	390	5%	.33	.28	.22	.18
581-SR215A102JAR	SR215A102JAR	A	1000	5%	.37	.31	.25	.20
581-SR215A102KAR	SR215A102KAR	A	1000	10%	.30	.25	.20	.16
100 Volts								
581-SR211A100JAR	SR211A100JAR	A	10	5%	.26	.22	.18	.14
581-SR151A100JAR	SR151A100JAR	C	10	5%	.23	.19	.16	.13
581-SR211A120JAR	SR211A120JAR	A	12	5%	.26	.22	.18	.14
581-SR151A120JAR	SR151A120JAR	C	12	5%	.23	.19	.16	.13
581-SR211A150JAR	SR211A150JAR	A	15	5%	.26	.22	.18	.14
581-SR151A150JAR	SR151A150JAR	C	15	5%	.23	.19	.16	.13
581-SR211A150KAR	SR211A150KAR	A	15	10%	.20	.17	.13	.11
581-SR211A180JAR	SR211A180JAR	A	18	5%	.26	.22	.18	.14
581-SR151A180JAR	SR151A180JAR	C	18	5%	.23	.19	.16	.13
581-SR211A220JAR	SR211A220JAR	A	22	5%	.26	.22	.18	.14
581-SR221A220JAR	SR221A220JAR	B	22	5%	.32	.27	.22	.18
581-SR151A220JAR	SR151A220JAR	C	22	5%	.23	.19	.16	.13
581-SR271A220KAR	SR271A220KAR	B	22	10%	.29	.24	.19	.16
581-SR211A270JAR	SR211A270JAR	A	27	5%	.33	.28	.22	.18
581-SR151A270JAR	SR151A270JAR	C	27	5%	.23	.19	.16	.13
581-SR211A330JAR	SR211A330JAR	A	33	5%	.33	.28	.22	.18
581-SR151A330JAR	SR151A330JAR	C	33	5%	.23	.19	.16	.13
581-SR151A390JAR	SR151A390JAR	C	39	5%	.23	.19	.16	.13
581-SR211A470JAR	SR211A470JAR	A	47	5%	.33	.28	.22	.18
581-SR151A470JAR	SR151A470JAR	C	47	5%	.23	.19	.16	.13
581-SR211A470KAR	SR211A470KAR	A	47	10%	.23	.19	.16	.13
581-SR211A560JAR	SR211A560JAR	A	56	5%	.33	.28	.22	.18
581-SR151A560JAR	SR151A560JAR	C	56	5%	.23	.19	.16	.13
581-SR211A560KAR	SR211A560KAR	A	56	10%	.23	.19	.16	.13
581-SR151A680JAR	SR151A680JAR	C	68	5%	.23	.19	.16	.13
581-SR211A680KAR	SR211A680KAR	A	68	10%	.23	.19	.16	.13
581-SR211A820JAR	SR211A820JAR	A	82	5%	.33	.28	.22	.18
581-SR151A820JAR	SR151A820JAR	C	82	5%	.23	.19	.16	.13
581-SR211A101JAR	SR211A101JAR	A	100	5%	.33	.28	.22	.18
581-SR151A101JAR	SR151A101JAR	C	100	5%	.15	.13	.10	.08
581-SR211A101KAR	SR211A101KAR	A	100	10%	.26	.22	.18	.14
581-SR151A121JAR	SR151A121JAR	C	120	5%	.26	.22	.18	.14
581-SR151A151JAR	SR151A151JAR	C	150	5%	.26	.22	.18	.14
581-SR211A181JAR	SR211A181JAR	A	180	5%	.33	.28	.22	.18
581-SR151A181JAR	SR151A181JAR	C	180	5%	.26	.22	.18	.14
581-SR211A221JAR	SR211A221JAR	A	220	5%	.33	.28	.22	.18
581-SR151A221JAR	SR151A221JAR	C	220	5%	.26	.22	.18	.14
581-SR151A271JAR	SR151A271JAR	C	270	5%	.27	.23	.18	.15
581-SR211A331JAR	SR211A331JAR	A	330	5%	.33	.28	.22	.18
581-SR271A331JAR	SR271A331JAR	B	330	5%	.42	.35	.28	.22
581-SR151A331JAR	SR151A331JAR	C	330	5%	.27	.23	.18	.15
581-SR151A391JAR	SR151A391JAR	C	390	5%	.27	.23	.18	.15
581-SR211A471JAR	SR211A471JAR	A	470	5%	.33	.28	.22	.18
581-SR271A471JAR	SR271A471JAR	B	470	5%	.42	.35	.28	.22
581-SR151A471JAR	SR151A471JAR	C	470	5%	.29	.25	.20	.16
581-SR211A471KAR	SR211A471KAR	A	470	10%	.26	.22	.18	.14
581-SR211A561JAR	SR211A561JAR	A	560	5%	.33	.28	.22	.18
581-SR151A561JAR	SR151A561JAR	C	560	5%	.33	.28	.22	.18

C0G (cont.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (pF)	Tol. ±	Price Each			
					1	100	500	1000
100 Volts (cont.)								
581-SR211A561KAR	SR211A561KAR	A	560	10%	.26	.22	.18	.14
581-SR271A471KAR	SR271A471KAR	B	470	10%	.32	.27	.22	.18
581-SR211A681JAR	SR211A681JAR	A	680	5%	.33	.28	.22	.18
581-SR151A681JAR	SR151A681JAR	C	680	5%	.33	.28	.22	.18
581-SR271A681KAR	SR271A681KAR	B	680	10%	.32	.27	.22	.18
581-SR211A102JAR	SR211A102JAR	A	1000	5%	.17	.14	.12	.09
581-SR221A102JAR	SR221A102JAR	B	1000	5%	.46	.38	.31	.25
581-SR201A102JAR	SR201A102JAR	C	1000	5%	.14	.12	.09	.08
581-SR211A102KAR	SR211A102KAR	A	1000	10%	.30	.25	.20	.16
581-SR201A122JAR	SR201A122JAR	C	1200	5%	.41	.34	.27	.22
581-SR211A152JAR	SR211A152JAR	A	1500	5%	.55	.46	.37	.30
581-SR201A152JAR	SR201A152JAR	C	1500	5%	.55	.46	.37	.30
581-SR211A152KAR	SR211A152KAR	A	1500	10%	.33	.28	.22	.18
581-SR201A182JAR	SR201A182JAR	C	1800	5%	.62	.52	.42	.33
581-SR211A222JAR	SR211A222JAR	A	2200	5%	.66	.55	.44	.35
581-SR201A222JAR	SR201A222JAR	C	2200	5%	.66	.55	.44	.35
581-SR201A332JAR	SR201A332JAR	C	3300	5%	.73	.61	.49	.39
581-SR211A472JAR	SR211A472JAR	A	4700	5%	.76	.64	.51	.41
581-SR201A472JAR	SR201A472JAR	C	4700	5%	.76	.64	.51	.41
581-SR211A472KAR	SR211A472KAR	A	4700	10%	.59	.49	.39	.32
581-SR201A562JAR	SR201A562JAR	C	5600	5%	.81	.67	.54	.43
581-SR301A682JAR	SR301A682JAR	C	6800	5%	1.06	.88	.71	.57
581-SR301A822JAR	SR301A822JAR	C	8200	5%	1.06	.88	.71	.57
581-SR301A103JAR	SR301A103JAR	C	.01μF	5%	.80	.67	.53	.43
581-SR301A183JAR	SR301A183JAR	C	.018μF	5%	1.46	1.22	.98	.78
581-SR301A223JAR	SR301A223JAR	C	.022μF	5%	1.64	1.37	1.10	.88
200 Volts								
581-SR222A120JAR	SR222A120JAR	B	12	5%	.32	.27	.22	.18
581-SR222A150JAR	SR222A150JAR	B	15	5%	.41	.35	.28	.22
581-SR222A270JAR	SR222A270JAR	B	27	5%	.41	.35	.28	.22
581-SR222A330JAR	SR222A330JAR	B	33	5%	.41	.35	.28	.22
581-SR222A470JAR	SR222A470JAR	B	47	5%	.41	.35	.28	.22
581-SR222A101JAR	SR222A101JAR	B	100	5%	.41	.35	.28	.22

X7R

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (pF)	Tol. ±	Price Each			
					1	100	500	1000
50 Volts								
581-SR215C222KAR	SR215C222KAR	A	2200	10%	.24	.20	.16	.13
581-SR215C682KAR	SR215C682KAR	A	6800	10%	.24	.20	.16	.13
581-SR215C103JAR	SR215C103JAR	A	0.01μF	5%	.36	.30	.24	.19
581-SR215C103KAR	SR215C103KAR	A	0.01μF	10%	.24	.20	.16	.13
581-SR225C103KAR	SR225C103KAR	B	0.01μF	10%	.28	.23	.19	.15
581-SR275C103KAR	SR275C103KAR	B	0.01μF	10%	.28	.23	.19	.15
581-SR215C103MAR	SR215C103MAA	A	0.01μF	20%	.23	.19	.15	.12
581-SR215C153KAR	SR215C153KAR	A	0.015μF	10%	.24	.20	.16	.13
581-SR215C223KAR	SR215C223KAR	A	0.022μF	10%	.24	.20	.16	.13
581-SR155C223KAR	SR155C223KAR	C	0.022μF	10%	.19	.16	.13	.10
581-SR215C333KAR	SR215C333KAR	A	0.033μF	10%	.24	.20	.16	.13
581-SR215C473JAR	SR215C473JAR	A	0.047μF	5%	.38	.32	.26	.21
581-SR215C473KAR	SR215C473KAR	A	0.047μF	10%	.26	.22	.18	.14
581-SR205C473KAR	SR205C473KAR	C	0.047μF	10%	.28	.23	.19	.15
581-SR215C104JAR	SR215C104JAR	A	0.1μF	5%	.42	.35	.28	.22
581-SR215C104KAR	SR215C104KAR	A	0.1μF	10%	.15	.12	.091	.071
581-SR225C104KAR	SR225C104KAR	B	0.1μF	10%	.41	.34	.27	.22
581-SR275C104KAR	SR275C104KAR	B	0.1μF	10%	.35	.29	.23	.19

AVX Ceramic Capacitors

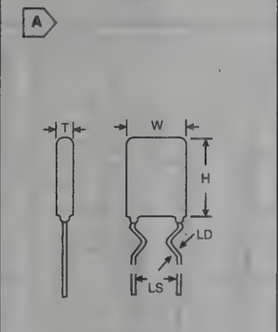
A KYOCERA GROUP COMPANY

SKYCAP® SR SERIES RADIAL MULTILAYER CERAMIC CAPACITORS (CONT.)

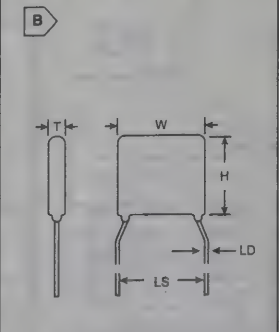
Specifications:
- Conformally Coated Radial Leaded MLC
- Temperature Coefficients: C0G (NP0), X7R, Z5U
- Case Material: Epoxy
- Lead Material: Solderable 24 AWG solid copper

RoHS Compliant

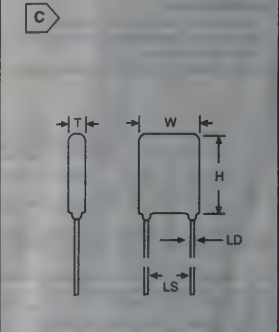
DIMENSIONS: mm (in.)						
AVX Style	SR15	SR20	SR21	SR22	SR27	SR30
(W) Width	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.604 (0.260)	7.62 (0.300)
(H) Height	3.81 (0.150)	5.08 (0.200)	5.08 (0.200)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)
(T) Thickness	2.54 (0.100)	3.175 (0.125)	3.175 (0.125)	3.175 (0.125)	4.06 (0.160)	3.81 (0.150)
(L.S.) Lead Spacing	2.54 (0.100)	2.54 (0.100)	5.08 (0.200)	6.35 (0.250)	7.62 (0.300)	5.08 (0.200)
(L.D.) Lead Dia.	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)	0.508 (0.020)



Series SR21



Series SR22, SR27



Series SR15, SR20, SR30

X7R (Cont.)

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (µF)	Tol. ±	Price Each			
					1	100	500	1000
581-SR215C104MAR	SR215C104MAR	A	0.100	20%	.26	.22	.18	.14
581-SR215C154JAR	SR215C154JAR	A	0.150	5%	.73	.61	.49	.39
581-SR215C154KAR	SR215C154KAR	A	0.150	10%	.52	.44	.35	.28
581-SR215C224KAR	SR215C224KAR	A	0.220	10 %	.34	.28	.23	.18
581-SR225C224KAR	SR225C224KAR	B	0.220	10%	.80	.67	.54	.43
581-SR215C224MAR	SR215C224MAR	A	0.220	20%	.62	.52	.42	.33
581-SR305C105KAR	SR305C105KAR	C	1.000	10%	1.05	.88	.70	.56
100 Volts								
581-SR211C471KAR	SR211C471KAR	A	470pF	10%	.24	.20	.16	.13
581-SR211C102JAR	SR211C102JAR	A	1000pF	5%	.33	.28	.22	.18
581-SR211C102KAR	SR211C102KAR	A	1000pF	10%	.14	.12	.09	.08
581-SR221C102KAR	SR221C102KAR	B	1000pF	10%	.28	.23	.19	.15
581-SR211C152JAR	SR211C152JAR	A	1500pF	5%	.33	.28	.22	.18
581-SR211C152KAR	SR211C152KAR	A	1500pF	10%	.24	.20	.16	.13
581-SR211C222JAR	SR211C222JAR	A	2200pF	5%	.33	.28	.22	.18
581-SR211C222KAR	SR211C222KAR	A	2200pF	10%	.24	.20	.16	.13
581-SR221C222KAR	SR221C222KAR	B	2200pF	10%	.28	.23	.19	.15
581-SR151C222KAR	SR151C222KAR	C	2200pF	10%	.17	.15	.12	.091
581-SR211C472KAR	SR211C472KAR	A	4700pF	10%	.24	.20	.16	.13
581-SR151C472KAR	SR151C472KAR	C	4700pF	10%	.21	.14	.10	.078
581-SR211C472MAR	SR211C472MAR	A	4700pF	20%	.21	.17	.14	.11
581-SR211C103JAR	SR211C103JAR	A	0.010	5%	.35	.29	.23	.19
581-SR211C103KAR	SR211C103KAR	A	0.010	10%	.12	.10	.079	.061
581-SR221C103KAR	SR221C103KAR	B	0.010	10%	.28	.23	.19	.15
581-SR271C103KAR	SR271C103KAR	B	0.010	10%	.36	.30	.24	.20
581-SR151C103KAR	SR151C103KAR	C	0.010	10%	.14	.12	.09	.07
581-SR221C103MAR	SR221C103MAR	B	0.010	20%	.26	.21	.17	.14
581-SR201C153KAR	SR201C153KAR	A	0.015	10%	.26	.22	.18	.14
581-SR211C223JAR	SR211C223JAR	A	0.022	5%	.39	.32	.26	.21
581-SR211C223KAR	SR211C223KAR	A	0.022	10%	.24	.15	.127	.091
581-SR201C223KAR	SR201C223KAR	C	0.022	10%	.26	.22	.18	.14
581-SR211C333KAR	SR211C333KAR	A	0.033	10%	.24	.12	.091	.086
581-SR201C333KAR	SR201C333KAR	C	0.033	10%	.26	.22	.18	.14
581-SR211C473KAR	SR211C473KAR	A	0.047	10%	.24	.15	.127	.092
581-SR221C473KAR	SR221C473KAR	B	0.047	10%	.35	.29	.23	.19
581-SR201C473KAR	SR201C473KAR	C	0.047	10%	.28	.23	.19	.15
581-SR211C473MAR	SR211C473MAR	A	0.047	20%	.27	.22	.18	.14
581-SR201C683KAR	SR201C683KAR	C	0.068	10%	.30	.25	.20	.16
581-SR211C104JAR	SR211C104JAR	A	0.100	5%	.44	.37	.29	.24
581-SR211C104KAR	SR211C104KAR	A	0.100	10%	.16	.127	.091	.071
581-SR221C104KAR	SR221C104KAR	B	0.100	10%	.37	.31	.25	.20

X7R (cont.)

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (µF)	Tol. ±	Price Each			
					1	100	500	1000
581-SR271C104KAR	SR271C104KAR	B	0.100	10%	.37	.31	.25	.20
581-SR201C104KAR	SR201C104KAR	C	0.100	10%	.18	.15	.12	.10
581-SR301C154KAR	SR301C154KAR	C	0.150	10%	.73	.61	.49	.39
581-SR301C224KAR	SR301C224KAR	C	0.220	10%	.82	.69	.55	.44
581-SR301C334KAR	SR301C334KAR	C	0.330	10%	1.28	1.07	.85	.68
200 Volts								
581-SR152C102KAR	SR152C102KAR	C	1000pF	10%	.37	.31	.25	.20

Z5U

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (µF)	Tol. ±	Price Each			
					1	100	500	1000
50 Volts								
581-SR225E103MAR	SR225E103MAR	B	0.01	20%	.23	.20	.16	.13
581-SR275E103MAR	SR275E103MAR	B	0.01	20%	.23	.20	.16	.13
581-SR215E473MAR	SR215E473MAR	A	0.047	20%	.22	.18	.15	.12
581-SR225E473MAR	SR225E473MAR	B	0.047	20%	.23	.20	.16	.13
581-SR215E104MAR	SR215E104MAR	A	0.100	20%	.09	.08	.057	.044
581-SR225E104MAR	SR225E104MAR	B	0.100	20%	.22	.18	.15	.12
581-SR275E104MAR	SR275E104MAR	B	0.100	20%	.22	.18	.15	.12
581-SR155E104MAR	SR155E104MAR	C	0.100	20%	.19	.16	.13	.11
581-SR205E104MAR	SR205E104MAR	C	0.100	20%	.09	.07	.06	.047
581-SR215E224MAR	SR215E224MAR	A	0.220	20%	.26	.21	.17	.14
581-SR225E224MAR	SR225E224MAR	B	0.220	20%	.32	.27	.21	.17
581-SR275E224MAR	SR275E224MAR	B	0.220	20%	.32	.27	.21	.17
581-SR205E224MAR	SR205E224MAR	C	0.220	20%	.26	.21	.17	.14
581-SR215E334MAR	SR215E334MAR	A	0.330	20%	.23	.19	.138	.107
581-SR275E334MAR	SR275E334MAR	B	0.330	20%	.37	.31	.25	.20
581-SR225E474MAR	SR225E474MAR	B	0.470	20%	.44	.36	.29	.24
581-SR205E474MAR	SR205E474MAR	C	0.470	20%	.35	.29	.23	.19
581-SR215E105MAR	SR215E105MAR	A	1.000	20%	.34	.28	.23	.18
100 Volts								
581-SR211E103MAR	SR211E103MAR	A	0.010	20%	.19	.16	.13	.10
581-SR221E103MAR	SR221E103MAR	B	0.010	20%	.23	.20	.16	.13
581-SR271E103MAR	SR271E103MAR	B	0.010	20%	.23	.20	.16	.13
581-SR151E103MAR	SR151E103MAR	C	0.010	20%	.18	.15	.12	.10
581-SR211E104MAR	SR211E104MAR	A	0.100	20%	.15	.13	.10	.08
581-SR221E104MAR	SR221E104MAR	B	0.100	20%	.30	.25	.20	.16
581-SR271E104MAR	SR271E104MAR	B	0.100	20%	.30	.25	.20	.16
581-SR271E224MAR	SR271E224MAR	B	0.220	20%	.54	.45	.36	.29
581-SR301E105MAR	SR301E105MAR	C	1.000	20%	.63	.53	.42	.30

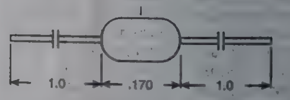
SPINGUARD® SA SERIES AXIAL MULTILAYER CERAMIC CAPACITORS

DIMENSIONS: in.

Parts packaged on tape. Full 7,500 piece reels available upon request.

Specifications:
- Conformally Coated Radial Leaded MLC
- Temperature Coefficients: C0G (NP0), X7R, Z5U
- Case Material: Epoxy (Flame Retardant to UL Bulletin 492, Par. 280)
- Lead Material: Solderable

RoHS Compliant



C0G

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Volt (DC)	Value (pF)	Price Each			
			1	100	500	1000
Tolerance 5%						
581-SA102A100JAR	200	10	.15	.11	.08	.07
581-SA102A150JAR	200	15	.22	.16	.12	.10
581-SA102A220JAR	200	22	.15	.11	.085	.076
581-SA102A470JAR	200	47	.22	.16	.12	.10
581-SA102A560JAR	200	56	.22	.16	.12	.10
581-SA102A101JAR	200	100	.15	.11	.09	.076
581-SA101A221JAR	100	220	.22	.16	.12	.10
581-SA101A471JAR	100	470	.15	.11	.08	.07
581-SA101A561JAR	100	560	.23	.17	.13	.11
581-SA101A102JAR	100	1000	.27	.19	.14	.12

X7R

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Volt (DC)	Value (pF)	Price Each			
			1	100	500	1000
Tolerance 10%						
581-SA101C102KAR	100	1000	.10	.07	.05	.045
581-SA101C122KAR	100	1200	.21	.15	.11	.094
581-SA101C222KAR	100	2200	.21	.15	.11	.094
581-SA101C332KAR	100	3300	.21	.15	.11	.094
581-SA101C472KAR	100	4700	.11	.08	.06	.05
581-SA101C103KAR	100	.01µF	.12	.08	.06	.05
581-SA101C223KAR	100	.022µF	.46	.33	.23	.21
581-SA105C333KAR	50	.033µF	.27	.19	.14	.12

Z5U

For quantities of 2000 and up, call for quote

MOUSER STOCK NO.	Volt (DC)	Value (µF)	Price Each			
			1	100	500	1000
Tolerance 20%						
581-SA105E103MAR	50	.010	.09	.06	.05	.041
581-SA105E223MAR	50	.022	.17	.12	.09	.08
581-SA105E333MAR	50	.033	.17	.12	.09	.08
581-SA105E473MAR	50	.047	.17	.12	.09	.08
581-SA105E563MAR	50	.056	.17	.12	.09	.08
581-SA105E104MAR	50	0.100	.09	.07	.05	.041
581-SA105E154MAR	50	0.150	.24	.17	.13	.11
581-SA105E224MAR	50	0.220	.16	.12	.08	.07

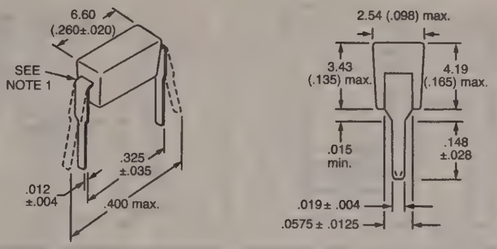
AVX Multilayer Ceramic Capacitors

DIPGUARD® MD01 SERIES MOLDED DIP LEAD

Specifications:

- Dual inline package
- 50 Volts
- Tolerance: ±10%, ±20%
- Operating Temp.: -55°C to +125°C (C0G, X7R)
- Operating Temp.: -10°C to +85°C (Z5U)
- Dielectric C0G (NP0), X7R, Z5U

DIMENSIONS: in.



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Temp. Coeff.	Value (pF)	Tol. ±	Price Each			
					1	25	50	100
581-MD015A100K	MD015A100KAB	C0G	10	10%	.73	.61	.49	.44
581-MD015A150K	MD015A150KAB	C0G	15	10%	.83	.69	.55	.50
581-MD015A220K	MD015A220KAB	C0G	22	10%	.83	.69	.55	.50
581-MD015A330K	MD015A330KAB	C0G	33	10%	.83	.69	.55	.50
581-MD015A470K	MD015A470KAB	C0G	47	10%	.73	.61	.49	.44
581-MD015A680K	MD015A680KAB	C0G	68	10%	.83	.69	.55	.50
581-MD015A101K	MD015A101KAB	C0G	100	10%	.73	.61	.49	.44
581-MD015A151K	MD015A151KAB	C0G	150	10%	.83	.69	.55	.50
581-MD015A221K	MD015A221KAB	C0G	220	10%	.73	.61	.49	.44
581-MD015A331K	MD015A331KAB	C0G	330	10%	.83	.69	.55	.50
581-MD015A471K	MD015A471KAB	C0G	470	10%	.81	.67	.54	.48
581-MD015A681K	MD015A681KAB	C0G	680	10%	.91	.76	.61	.55
581-MD015A102K	MD015A102KAB	C0G	1000	10%	.81	.67	.54	.48
581-MD015A152K	MD015A152KAB	C0G	1500	10%	1.07	.89	.72	.64
581-MD015A222K	MD015A222KAB	C0G	2200	10%	.95	.79	.64	.57
581-MD015A332K	MD015A332KAB	C0G	3300	10%	1.65	1.38	1.10	.99
581-MD015A472K	MD015A472KAB	C0G	4700	10%	1.46	1.22	.97	.88
581-MD015C152K	MD015C152KAB	X7R	1500	10%	.91	.76	.61	.55
581-MD015C222K	MD015C222KAB	X7R	2200	10%	.81	.67	.54	.48

For quantities of 200 and up, call for quote.

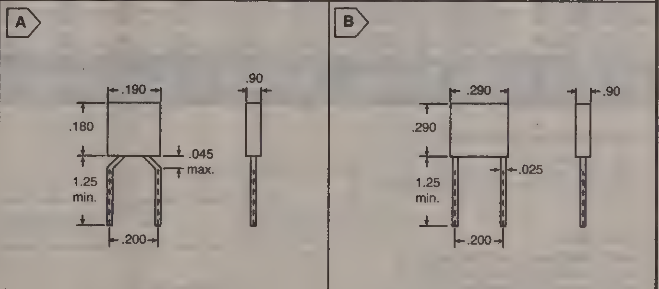
MOUSER STOCK NO.	AVX Part No.	Temp. Coeff.	Value (pF)	Tol. ±	Price Each			
					1	25	50	100
581-MD015C332K	MD015C332KAB	X7R	3300	10%	.91	.76	.61	.55
581-MD015C472K	MD015C472KAB	X7R	4700	10%	.81	.67	.54	.48
581-MD015C682K	MD015C682KAB	X7R	6800	10%	.91	.76	.61	.55
581-MD011C103K	MD011C103KAB	X7R	0.01μF	10%	.66	.55	.44	.39
581-MD015C153K	MD015C153KAB	X7R	.015μF	10%	1.07	.89	.72	.64
581-MD015C223K	MD015C223KAB	X7R	.022μF	10%	.95	.79	.64	.57
581-MD015C333K	MD015C333KAB	X7R	.033μF	10%	1.07	.89	.72	.64
581-MD015C473K	MD015C473KAB	X7R	.047μF	10%	.95	.79	.64	.57
581-MD015C683K	MD015C683KAB	X7R	.068μF	10%	1.07	.89	.72	.64
581-MD015C104K	MD015C104KAB	X7R	0.1μF	10%	.81	.67	.54	.48
581-MD015E103Z	MD015E103ZAB	Z5U	0.01μF	+80,-20	.40	.34	.27	.24
581-MD015E153M	MD015E153MAB	Z5U	0.015μF	20%	.58	.48	.43	.39
581-MD015E223M	MD015E223MAB	Z5U	0.022μF	20%	.58	.48	.43	.39
581-MD015E333M	MD015E333MAB	Z5U	0.033μF	20%	.58	.48	.43	.39
581-MD015E473Z	MD015E473ZAB	Z5U	0.047μF	+80,-20	.55	.46	.36	.33
581-MD015E104Z	MD015E104ZAB	Z5U	0.1μF	+80,-20	.46	.38	.31	.28
581-MD015E154Z	MD015E154ZAB	Z5U	0.15μF	+80,-20	.77	.64	.51	.46
581-MD015E224Z	MD015E224ZAB	Z5U	0.22μF	+80,-20	.68	.56	.45	.41
581-MD015E334Z	MD015E334ZAB	Z5U	0.33μF	+80,-20	.99	.82	.66	.59

CK05 AND CK06 SERIES CERAMIC RADIAL LEAD

Specifications:

- General purpose
- Tolerance: ±10%
- Operating Temperature: -55°C to +125°C
- Molded Case
- Meets MIL Spec MIL-C-11015
- Temperature Characteristic: BX = X7R

DIMENSIONS: in.



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Value (pF)	Volt (DC)	Price Each			
					1	100	500	1000
581-CK05BX100K	CK05BX100K	A	10	200	.30	.20	.18	.16
581-CK05BX120K	CK05BX120K	A	12	200	.30	.20	.18	.16
581-CK05BX150K	CK05BX150K	A	15	200	.30	.20	.18	.16
581-CK05BX180K	CK05BX180K	A	18	200	.30	.20	.18	.16
581-CK05BX220K	CK05BX220K	A	22	200	.30	.20	.18	.16
581-CK05BX270K	CK05BX270K	A	27	200	.30	.20	.18	.16
581-CK05BX330K	CK05BX330K	A	33	200	.30	.20	.18	.16
581-CK05BX470K	CK05BX470K	A	47	200	.30	.20	.18	.16
581-CK05BX560K	CK05BX560K	A	56	200	.30	.20	.18	.16
581-CK05BX680K	CK05BX680K	A	68	200	.30	.20	.18	.16
581-CK05BX820K	CK05BX820K	A	82	200	.30	.20	.18	.16
581-CK05BX101K	CK05BX101K	A	100	200	.30	.20	.18	.16
581-CK05BX121K	CK05BX121K	A	120	200	.30	.20	.18	.16
581-CK05BX151K	CK05BX151K	A	150	200	.30	.20	.18	.16
581-CK05BX221K	CK05BX221K	A	220	200	.30	.20	.18	.16
581-CK05BX331K	CK05BX331K	A	330	200	.30	.20	.18	.16
581-CK05BX391K	CK05BX391K	A	390	200	.30	.20	.18	.16
581-CK05BX471K	CK05BX471K	A	470	200	.30	.20	.18	.16
581-CK05BX821K	CK05BX821K	A	820	200	.30	.20	.18	.16
581-CK05BX102K	CK05BX102K	A	1000	200	.30	.20	.18	.16
581-CK05BX152K	CK05BX152K	A	1500	100	.30	.20	.18	.16
581-CK05BX182K	CK05BX182K	A	1800	100	.30	.20	.18	.16
581-CK05BX222K	CK05BX222K	A	2200	100	.30	.20	.18	.16
581-CK05BX332K	CK05BX332K	A	3300	100	.30	.20	.18	.16
581-CK05BX392K	CK05BX392K	A	3900	100	.30	.20	.18	.16
581-CK05BX472K	CK05BX472K	A	4700	100	.30	.20	.18	.16

For quantities of 2000 and up, call for quote.

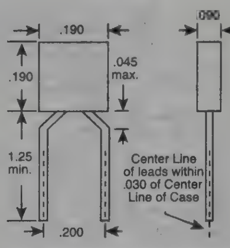
MOUSER STOCK NO.	AVX Part No.	Fig.	Value (pF)	Volt (DC)	Price Each			
					1	100	500	1000
581-CK05BX562K	CK05BX562K	A	5600	100	.30	.20	.18	.16
581-CK05BX682K	CK05BX682K	A	6800	100	.30	.20	.18	.16
581-CK05BX822K	CK05BX822K	A	8200	100	.30	.20	.18	.16
581-CK05BX103K	CK05BX103K	A	.01μF	100	.24	.16	.14	.13
581-CK06BX103K	CK06BX103K	B	.01μF	200	.26	.17	.15	.14
581-CK05BX123K	CK05BX123K	A	.012μF	50	.30	.20	.18	.16
581-CK05BX153K	CK05BX153K	A	.015μF	50	.30	.20	.18	.16
581-CK05BX183K	CK05BX183K	A	.018μF	50	.30	.20	.18	.16
581-CK05BX223K	CK05BX223K	A	.022μF	50	.30	.20	.18	.16
581-CK06BX223K	CK06BX223K	B	.022μF	100	.33	.22	.19	.18
581-CK05BX273K	CK05BX273K	A	.027μF	50	.30	.20	.18	.16
581-CK05BX333K	CK05BX333K	A	.033μF	50	.30	.20	.18	.16
581-CK05BX473K	CK05BX473K	A	.047μF	50	.30	.20	.18	.16
581-CK05BX563K	CK05BX563K	A	.056μF	50	.30	.20	.18	.16
581-CK05BX683K	CK05BX683K	A	.068μF	50	.30	.20	.18	.16
581-CK06BX683K	CK06BX683K	B	.068μF	100	.33	.22	.19	.18
581-CK05BX104K	CK05BX104K	A	0.1μF	50	.30	.20	.18	.16
581-CK06BX104K	CK06BX104K	B	0.1μF	100	.32	.22	.19	.17
581-CK06BX154K	CK06BX154K	B	0.15μF	50	.93	.62	.54	.50
581-CK06BX224K	CK06BX224K	B	0.22μF	50	.96	.64	.56	.51
581-CK06BX274K	CK06BX274K	B	0.27μF	50	1.35	.90	.79	.72
581-CK05BX334K	CK06BX334K	B	0.33μF	50	1.35	.90	.79	.72
581-CK06BX474K	CK06BX474K	B	0.47μF	50	1.80	1.20	1.05	.96
581-CK06BX684K	CK06BX684K	B	0.68μF	50	2.25	1.50	1.31	1.20
581-CK06BX105K	CK06BX105K	B	1.0μF	50	2.07	1.38	1.21	1.10

KEMET CK Series, Ceramic Molded Radial, 10% Tolerance

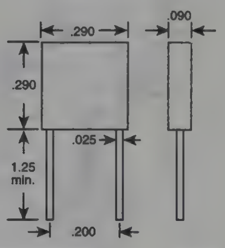
The Capacitance Company
KEMET
CHARGED.

DIMENSIONS: In.

CK05 Series



CK06 Series



CK05 Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt (DC)	Price Each			
				1	10	100	200
80-CK05BX100K	C052K100K2X5CA	10	200	.30	.24	.19	.15
80-CK05BX120K	C052K120K2X5CA	12	200	.30	.24	.19	.15
80-CK05BX150K	C052K150K2X5CA	15	200	.30	.24	.19	.15
80-CK05BX180K	C052K180K2X5CA	18	200	.30	.24	.19	.15
80-CK05BX220K	C052K220K2X5CA	22	200	.30	.24	.19	.15
80-CK05BX270K	C052K270K2X5CA	27	200	.30	.24	.19	.15
80-CK05BX330K	C052K330K2X5CA	33	200	.30	.24	.19	.15
80-CK05BX390K	C052K390K2X5CA	39	200	.30	.24	.19	.15
80-CK05BX470K	C052K470K2X5CA	47	200	.30	.24	.19	.15
80-CK05BX560K	C052K560K2X5CA	56	200	.30	.24	.19	.15
80-CK05BX680K	C052K680K2X5CA	68	200	.30	.24	.19	.15
80-CK05BX820K	C052K820K2X5CA	82	200	.30	.24	.19	.15
80-CK05BX101K	C052K101K2X5CA	100	200	.30	.24	.19	.15
80-CK05BX121K	C052K121K2X5CA	120	200	.30	.24	.19	.15
80-CK05BX151K	C052K151K2X5CA	150	200	.30	.24	.19	.15
80-CK05BX181K	C052K181K2X5CA	180	200	.30	.24	.19	.15
80-CK05BX221K	C052K221K2X5CA	220	200	.30	.24	.19	.15
80-CK05BX271K	C052K271K2X5CA	270	200	.30	.24	.19	.15
80-CK05BX331K	C052K331K2X5CA	330	200	.30	.24	.19	.15
80-CK05BX391K	C052K391K2X5CA	390	200	.30	.24	.19	.15
80-CK05BX471K	C052K471K2X5CA	470	200	.30	.24	.19	.15
80-CK05BX561K	C052K561K2X5CA	560	200	.30	.24	.19	.15
80-CK05BX681K	C052K681K2X5CA	680	200	.30	.24	.19	.15
80-CK05BX821K	C052K821K2X5CA	820	200	.30	.24	.19	.15
80-CK05BX102K	C052K102K2X5CA	1000	200	.30	.24	.19	.15
80-CK05BX122K	C052K122K1X5CA	1200	100	.30	.24	.19	.15
80-CK05BX152K	C052K152K1X5CA	1500	100	.30	.24	.19	.15

CK05 Series (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt (DC)	Price Each			
				1	10	100	200
80-CK05BX182K	C052K182K1X5CA	1800	100	.30	.24	.19	.15
80-CK05BX222K	C052K222K1X5CA	2200	100	.30	.24	.19	.15
80-CK05BX272K	C052K272K1X5CA	2700	100	.30	.24	.19	.15
80-CK05BX332K	C052K332K1X5CA	3300	100	.30	.24	.19	.15
80-CK05BX392K	C052K392K1X5CA	3900	100	.30	.24	.19	.15
80-CK05BX472K	C052K472K1X5CA	4700	100	.30	.24	.19	.15
80-CK05BX562K	C052K562K1X5CA	5600	100	.30	.24	.19	.15
80-CK05BX682K	C052K682K1X5CA	6800	100	.32	.26	.20	.16
80-CK05BX822K	C052K822K1X5CA	8200	100	.32	.26	.20	.16
80-CK05BX103K	C052K103K1X5CA	.010µF	100	.32	.26	.20	.16
80-CK05BX123K	C052K123K5X5CA	.012µF	50	.38	.31	.24	.19
80-CK05BX153K	C052K153K5X5CA	.015µF	50	.38	.31	.24	.19
80-CK05BX223K	C052K223K5X5CA	.022µF	50	.38	.31	.24	.19
80-CK05BX273K	C052K273K5X5CA	.027µF	50	.38	.31	.24	.19
80-CK05BX333K	C052K333K5X5CA	.033µF	50	.42	.34	.26	.21
80-CK05BX393K	C052K393K5X5CA	.039µF	50	.42	.34	.26	.21
80-CK05BX473K	C052K473K5X5CA	.047µF	50	.42	.34	.26	.21
80-CK05BX563K	C052K563K5X5CA	.056µF	50	.42	.34	.26	.21
80-CK05BX683K	C052K683K5X5CA	.068µF	50	.42	.34	.26	.21
80-CK05BX104K	C052K104K5X5CA	0.1uF	50	.42	.34	.26	.21

CK06 Series

For quantities of 500 and up, call for quote.

80-CK06BX152K	C062K152K2X5CA	1500	200	.34	.28	.21	.17
80-CK06BX222K	C062K222K2X5CA	2200	200	.34	.28	.21	.17
80-CK06BX332K	C062K332K2X5CA	3300	200	.34	.28	.21	.17
80-CK06BX392K	C062K392K2X5CA	3900	200	.34	.28	.21	.17
80-CK06BX472K	C062K472K2X5CA	4700	200	.34	.28	.21	.17
80-CK06BX682K	C062K682K2X5CA	6800	200	.34	.28	.21	.17
80-CK06BX103K	C062K103K2X5CA	.01µF	200	.34	.28	.21	.17
80-CK06BX223K	C062K223K1X5CA	.022µF	100	.40	.33	.25	.20
80-CK06BX333K	C062K333K1X5CA	.033µF	100	.44	.36	.28	.22
80-CK06BX473K	C062K473K1X5CA	.047µF	100	.44	.36	.28	.22
80-CK06BX683K	C062K683K1X5CA	.068µF	100	.44	.36	.28	.22
80-CK06BX104K	C062K104K1X5CA	0.1µF	100	.44	.36	.28	.22
80-CK06BX154K	C062K154K5X5CA	.15µF	50	.98	.80	.61	.49
80-CK06BX224K	C062K224K5X5CA	.22µF	50	1.02	.83	.64	.51
80-CK06BX274K	C062K274K5X5CA	.27µF	50	1.52	1.24	.95	.76
80-CK06BX334K	C062K334K5X5CA	.33µF	50	1.52	1.24	.95	.76
80-CK06BX394K	C062K394K5X5CA	.39µF	50	1.90	1.54	1.19	.95
80-CK06BX474K	C062K474K5X5CA	.47µF	50	1.90	1.54	1.19	.95
80-CK06BX564K	C062K564K5X5CA	.56µF	50	2.52	2.05	1.58	1.26
80-CK06BX684K	C062K684K5X5CA	.68µF	50	2.52	2.05	1.58	1.26
80-CK06BX824K	C114K824K5X5CA	.82µF	50	2.52	2.05	1.58	1.26
80-CK06BX105K	C062K105K5X5CA	1.0µF	50	2.52	2.05	1.58	1.26

KEMET C4XX Series, "AXIMAX" Conformal Coated Axial

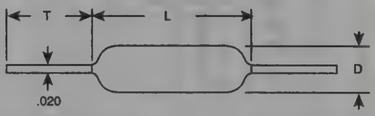
The Capacitance Company
KEMET
CHARGED.

Temperature Characteristics:

- C0G: 0 ±30ppm/°C from -55°C to +125°C
- X7R: ±15% from -55°C to +125°C
- Z5U: +22% from; -56% from +10°C to +85°C

Specifications:

- Solder coated copper clad steel leads
- Epoxy encapsulated - meets flame test requirements of UL Standard 94V-0
- High-temperature solder - meets EIA RS-198D, Method 302, Condition B (260°C for 10 sec.)



DIMENSIONS: In.

RoHS Compliant

Temp Coef: C0G, 5% Tolerance

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Dimensions (In.)			Price Each		
			L	D	T	1	10	100
100 Volt								
80-C410C100J1G	C410C100J1G5CA	10	.170	.100	1.00	.25	.19	.16
80-C410C150J1G	C410C150J1G5CA	15	.170	.100	1.00	.25	.19	.16
80-C410C180J1G	C410C180J1G5CA	18	.170	.100	1.00	.25	.19	.16
80-C410C220J1G	C410C220J1G5CA	22	.170	.100	1.00	.25	.19	.16
80-C410C270J1G	C410C270J1G5CA	27	.170	.100	1.00	.25	.19	.16
80-C410C330J1G	C410C330J1G5CA	33	.170	.100	1.00	.25	.19	.16
80-C410C470J1G	C410C470J1G5CA	47	.170	.100	1.00	.25	.19	.16
80-C410C820J1G	C410C820J1G5CA	82	.170	.100	1.00	.25	.19	.16
80-C410C101J1G	C410C101J1G5CA	100	.170	.100	1.00	.22	.17	.14
80-C410C151J1G	C410C151J1G5CA	150	.170	.100	1.00	.25	.19	.16
80-C410C221J1G	C410C221J1G5CA	220	.170	.100	1.00	.25	.19	.16
80-C410C331J1G	C410C331J1G5CA	330	.170	.100	1.00	.25	.19	.16
80-C410C471J1G	C410C471J1G5CA	470	.170	.100	1.00	.25	.19	.16
80-C410C102J1G	C410C102J1G5CA	1000	.170	.100	1.00	.24	.18	.15
80-C430C332J1G	C430C332J1G5CA	3300	.290	.150	1.00	.61	.46	.39
80-C430C472J1G	C430C472J1G5CA	4700	.290	.150	1.00	.61	.46	.39
200 Volt								
80-C410C220J2G	C410C220J2G5CA	22	.170	.100	1.00	.25	.19	.16
80-C410C330J2G	C410C330J2G5CA	33	.170	.100	1.00	.25	.19	.16
80-C410C101J2G	C410C101J2G5CA	100	.170	.100	1.00	.22	.17	.14

Temp Coef: X7R, 10% Tolerance

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			L	D	T	1	10	100
50 Volt								
80-C410C102K5R	C410C102K5R5CA	0.001	.170	.100	1.00	.17	.13	.10
80-C410C103K5R	C410C103K5R5CA	0.01	.170	.100	1.00	.15	.11	.09
80-C410C223K5R	C410C223K5R5CA	0.022	.170	.100	1.00	.25	.19	.16
80-C410C333K5R	C410C333K5R5CA	0.033	.170	.100	1.00	.25	.19	.16
80-C410C473K5R	C410C473K5R5CA	0.047	.170	.100	1.00	.27	.20	.17
80-C412C104K5R	C412C104K5R5CA	0.1	.170	.120	1.00	.17	.13	.11
80-C430C154K5R	C430C154K5R5CA	0.15	.290	.150	1.00	.55	.41	.35
80-C430C224K5R	C430C224K5R5CA	0.22	.290	.150	1.00	.82	.61	.51
80-C440C474K5R	C440C474K5R5CA	0.47	.400	.150	1.00	1.32	.99	.83
100 Volt								
80-C410C821K1R	C410C821K1R5CA	820pF	.170	.100	1.00	.19	.15	.13
80-C410C102K1R	C410C102K1R5CA	1000pF	.170	.100	1.00	.17	.13	.11
80-C410C152K1R	C410C152K1R5CA	1500pF	.170	.100	1.00	.19	.15	.13
80-C410C222K1R	C410C222K1R5CA	2200pF	.170	.100	1.00	.19	.15	.13
80-C410C472K1R	C410C472K1R5CA	4700pF	.170	.100	1.00	.19	.15	.13
80-C410C103K1R	C410C103K1R5CA	0.01	.170	.100	1.00	.16	.11	.10
80-C430C473K1R	C430C473K1R5CA	0.047	.290	.150	1.00	.40	.30	.26
80-C430C104K1R	C430C104K1R5CA	0.1	.290	.150	1.00	.44	.33	.28

Temp Coef: Z5U, 20% Tolerance

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions (In.)			Price Each		
			L	D	T	1	10	100
50 Volt								
80-C410C103M5U	C410C103M5U5CA	0.01	.170	.100	1.00	.11	.09	.07
80-C410C104M5U	C410C104M5U5CA	0.1	.170	.100	1.00	.11	.09	.07
80-C412C334M5U	C412C334M5U5CA	0.33	.170	.120	1.00	.35	.26	.21
80-C420C334M5U	C420C334M5U5CA	0.33	.260	.100	1.00	.35	.26	.21
80-C430C474M5U	C430C474M5U5CA	0.47	.290	.150	1.00	.71	.53	.44
80-C430C105M5U	C430C105M5U5CA	1.0	.290	.150	1.00	.71	.53	.44
80-C440C105M5U	C440C105M5U5CA	1.0	.400	.150	1.00	.71	.53	.44
100 Volt								
80-C410C103M1U	C410C103M1U5CA	0.01	.170	.100	1.00	.11	.09	.07
80-C430C104M1U	C430C104M1U5CA	0.1	.290	.150	1.00	.29	.22	.18
80-C440C224M1U	C440C224M1U5CA	0.22	.400	.150	1.00	.51	.39	.32

KEMET Conformal Coated Ceramic Capacitors

The Capacitance Company
KEMET
CHARGED.

GOLDEN MAX CERAMIC CONFORMAL COATED/RADIAL HIGH VOLTAGE C3XX SERIES

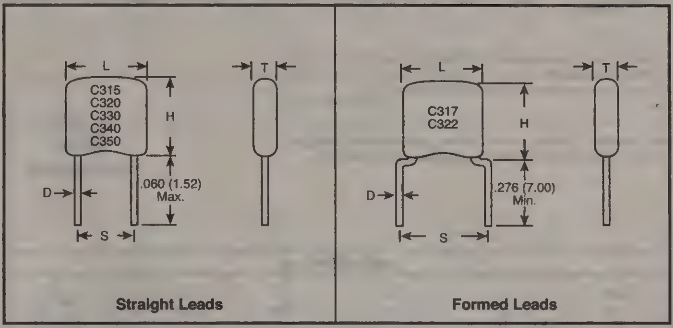
- Temperature characteristics: C0G: 0.15% max. from -55°C to +125°C,
  X7R: ±15% max. from -55°C to +125°C
- Epoxy encapsulated
- Meets flame test requirements of UL Standard 94V-0

Also available in various lead formations, tolerances, and packaging.
Please contact a Mouser Sales Representative for information.

RoHS Compliant

LEAD-FREE

DIMENSIONS: In. (mm)



Case Size	DIMENSIONS: in. (mm)				
	L Max.	H Max.	T Max.	S (1) ± .030 (.76)	D + .004 (.10) - .001 (.76)
C315	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
C317	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
C320	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
C322	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
C330	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
C340	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
C350	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)

C3XX Series, C0G

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C315C100KDG	C315C100KDG5TA	10	1000	10%	1.60	1.44	1.28	1.12
80-C315C101KCG	C315C101KCG5TA	100	500	10%	1.57	1.42	1.26	1.10
80-C317C101KDG	C317C101KDG5TA	100	1000	10%	1.67	1.50	1.33	1.17
80-C330C101KDG	C330C101KDG5TA	100	1000	10%	2.05	1.84	1.64	1.43
80-C340C101KGG	C340C101KGG5TA	100	2000	10%	3.19	2.87	2.55	2.23
80-C340C101KHG	C340C101KHG5TA	100	3000	10%	3.58	3.22	2.86	2.51
80-C320C102KDG	C320C102KDG5TA	1000	1000	10%	1.78	1.60	1.42	1.25
80-C322C102KDG	C322C102KDG5TA	1000	1000	10%	1.78	1.60	1.42	1.25
80-C322C332KCG	C322C332KCG5TA	3300	500	10%	1.76	1.59	1.41	1.23
80-C340C103KCG	C340C103KCG5TA	0.01μF	500	10%	3.14	2.82	2.51	2.19

C3XX Series, X7R

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C317C101KDR	C317C101KDR5TA	100	1000	10%	1.34	1.20	1.07	.93
80-C340C101KHR	C340C101KHR5TA	100	3000	10%	2.92	2.63	2.34	2.05
80-C322C102KDR	C322C102KDR5TA	1000	1000	10%	1.48	1.34	1.19	1.04
80-C317C332KCR	C317C332KCR5TA	3300	500	10%	1.47	1.32	1.18	1.03
80-C320C103MCR	C320C103MCR5TA	0.01μF	500	20%	.97	.83	.69	.62
80-C322C103KDR	C322C103KDR5TA	0.01μF	1000	10%	1.02	.92	.82	.72
80-C330C104KCR	C330C104KCR5TA	0.1μF	500	10%	1.99	1.70	1.42	1.28
80-C330C104MCR	C330C104MCR5TA	0.1μF	500	20%	2.11	1.81	1.51	1.36
80-C350C104KCR	C350C104KCR5TA	0.1μF	500	10%	8.19	7.67	7.17	6.14
80-C350C104MCR	C350C104MCR5TA	0.1μF	500	20%	13.46	11.54	9.62	8.65
80-C330C124KCR	C330C124KCR5TA	0.1μF	500	10%	3.17	2.72	2.26	2.04
80-C340C224MCR	C340C224MCR5TA	0.22μF	500	20%	6.40	5.60	5.20	4.80
80-C350C224KCR	C350C224KCR5TA	0.22μF	500	10%	9.69	8.94	7.45	6.71
80-C350C224KDR	C350C224KDR5TA	0.22μF	1000	10%	10.44	8.94	8.20	7.45
80-C350C394MCR	C350C394MCR5TA	0.39μF	500	20%	11.80	11.06	9.48	8.53
80-C350C564KCR	C350C564KCR5TA	0.56μF	500	10%	12.20	11.32	10.46	9.58

The Capacitance Company
KEMET
CHARGED.

GOLDEN MAX CERAMIC COMMERCIAL HIGH VOLTAGE RADIAL LEADED CAPACITOR C6XX SERIES

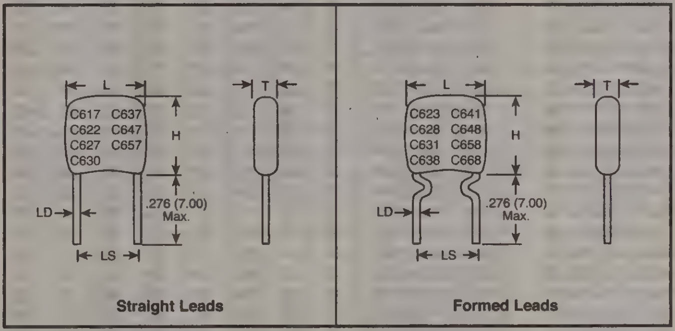
- Temperature characteristics: C0G: 0.15% max. from -55°C to +125°C,
  X7R: ±15% max. from -55°C to +125°C
- Epoxy encapsulated
- Meets flame test requirements of UL Standard 94V-0

Also available in various lead formations, tolerances, and packaging.
Please contact a Mouser Sales Representative for information.

RoHS Compliant

LEAD-FREE

DIMENSIONS: In. (mm)



Case Size	DIMENSIONS: in. (mm)				
	L Max.	H Max.	T Max.	Lead Spacing	LD (Nominal)
C617	.250 (6.35)	.220 (5.59)	.200 (5.08)	.170 (4.32)	.025 (.64)
C622/3	.320 (8.13)	.280 (7.11)	.250 (6.35)	.220 (5.59)	.025 (.64)
C627/8	.370 (9.40)	.300 (7.62)	.250 (6.35)	.275 (6.98)	.025 (.64)
C630/1	.450 (11.40)	.220 (5.59)	.200 (5.08)	.300 (7.62)	.025 (.64)
C637/8	.470 (11.90)	.400 (10.20)	.270 (6.89)	.375 (9.52)	.025 (.64)
C640	.550 (14.00)	.280 (7.11)	.250 (6.35)	.400 (10.16)	.025 (.64)
C647/8	.570 (14.50)	.500 (12.70)	.270 (6.89)	.475 (12..06)	.025 (.64)
C657/8	.670 (17.02)	.600 (15.24)	.270 (6.89)	.575 (14.60)	.025 (.64)
C668	.770 (19.56)	.720 (18.29)	.270 (6.89)	.675 (17.14)	.025 (.64)

C6XX Series, C0G

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C622C100KDG	C622C100KDG5TA	10	1000	10%	10.51	9.24	8.09	6.93
80-C622C102JDG	C622C102JDG5TA	1000	1000	5%	10.51	9.24	8.09	6.93
80-C627C102KGG	C627C102KGG5TA	1000	2000	10%	11.33	9.96	8.72	7.47
80-C630C102KGG	C630C102KGG5TA	1000	2000	10%	12.74	11.20	9.80	8.40
80-C637C102KGG	C637C102KGG5TA	1000	2000	10%	12.74	11.20	9.80	8.40
80-C638C102KHG	C638C102KHG5TA	1000	3000	10%	16.06	14.12	12.36	10.59
80-C657C102JGG	C657C102JGG5TA	1000	2000	5%	39.69	33.08	29.77	26.46
80-C657C472JGG	C657C472JGG5TA	4700	2000	5%	39.69	33.08	29.77	26.46
80-C657C103JGG	C657C103JGG5TA	0.01μF	2000	5%	39.69	33.08	29.77	26.46
80-C667C103KGG	C667C103KGG5TA	0.01μF	2000	10%	39.69	33.08	29.77	26.46
80-C668C103KGG	C668C103KGG5TA	0.01μF	2000	10%	39.69	33.08	29.77	26.46

C6XX Series, X7R

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C617C102KDR	C617C102KDR5TA	1000	1000	10%	8.89	7.11	6.23	5.69
80-C628C102KHR	C628C102KHR5TA	1000	3000	10%	11.33	9.96	8.72	7.47
80-C630C102KDR	C630C102KDR5TA	1000	1000	10%	12.74	11.20	9.80	8.40
80-C630C102KHR	C630C102KHR5TA	1000	3000	10%	12.74	11.20	9.80	8.40
80-C637C102KGR	C637C102KGR5TA	1000	2000	10%	16.06	14.12	12.36	10.59

C6XX Series, X7R (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.	Price Each			
					1	25	50	100
80-C638C102KGR	C638C102KGR5TA	1000	2000	10%	16.06	14.12	12.36	10.59
80-C628C472KDR	C628C472KDR5TA	4700	1000	10%	11.33	9.96	8.72	7.47
80-C628C472KHR	C628C472KHR5TA	4700	3000	10%	11.33	9.96	8.72	7.47
80-C617C103KDR	C617C103KDR5TA	0.01μF	1000	10%	8.89	7.11	6.23	5.69
80-C627C103KDR	C627C103KDR5TA	0.01μF	1000	10%	11.33	9.96	8.72	7.47
80-C628C103KGR	C628C103KGR5TA	0.01μF	2000	10%	11.33	9.96	8.72	7.47
80-C631C103KDR	C631C103KDR5TA	0.01μF	1000	10%	12.74	11.20	9.80	8.40
80-C638C103KGR	C638C103KGR5TA	0.01μF	2000	10%	16.06	14.12	12.36	10.59
80-C617C123KDR	C617C123KDR5TA	0.012μF	1000	10%	9.83	8.64	7.56	6.48
80-C623C473KDR	C623C473KDR5TA	0.047μF	1000	10%	10.51	9.24	8.09	6.93
80-C638C473KDR	C638C473KDR5TA	0.047μF	1000	10%	16.06	14.12	12.36	10.59
80-C638C104KDR	C638C104KDR5TA	0.1μF	1000	10%	16.06	14.12	12.36	10.59
80-C641C104KDR	C641C104KDR5TA	0.1μF	1000	10%	17.84	15.68	13.72	11.76
80-C648C104KDR	C648C104KDR5TA	0.1μF	1000	10%	30.30	26.64	23.31	19.98
80-C658C104KDR	C658C104KDR5TA	0.1μF	1000	10%	39.69	33.08	29.77	26.46
80-C668C104KGR	C668C104KGR5TA	0.1μF	2000	10%	43.50	36.25	32.63	29.00
80-C647C105KCR	C647C105KCR5TA	1.0μF	500	10%	30.30	26.64	23.31	19.98
80-C648C105KCR	C648C105KCR5TA	1.0μF	500	10%	30.30	26.64	23.31	19.98
80-C657C105KCR	C657C105KCR5TA	1.0μF	500	10%	30.30	26.64	23.31	19.98
80-C658C105KCR	C658C105KCR5TA	1.0μF	500	10%	39.69	33.08	29.77	26.46
80-C668C105KDR	C668C105KDR5TA	1.0μF	1000	10%	43.50	36.25	32.63	29.00

KEMET Multilayer Ceramic Capacitors

The Capacitance Company KEMET CHARGED.

CERAMIC "GOLDEN MAX" CONFORMAL COATED, RADIAL, C0G (NP0)

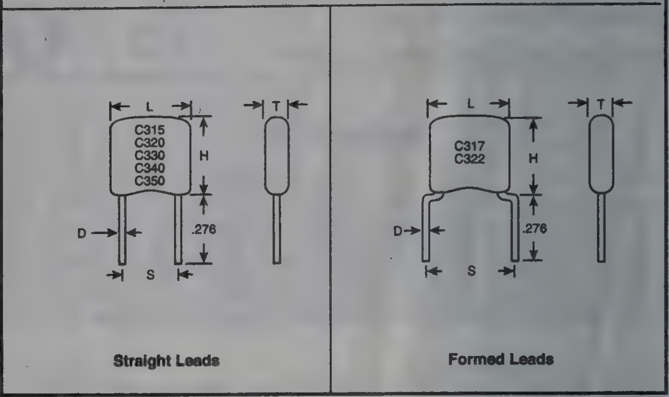
- Temperature characteristics: 0 ±30ppm/°C from -55°C to +125°C
- Epoxy encapsulated
- Meets flame test requirements of UL Standard 94V-0

Also available in various lead formations, tolerances and packaging.
Please contact a Mouser Sales Representative for information.

RoHS Compliant

DIMENSIONS: in.					
Case Size	L Max.	H Max.	T Max.	S (1) ± .030 (.76)	D + .004 (.10) - .001 (.76)
C315	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
C317	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
C320	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
C322	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
C323	.200 (5.08)	.320 (8.13)	.125 (3.18)	.200 (5.08)	.020 (.51)
C330	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
C340	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
C350	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)

DIMENSIONS: in.



Straight Leads

Formed Leads

C0G (NPO)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.±	Price Each				
					1	25	100	500	1000
80-C315C100J2G	C315C100J2G5TA	10	200	5%	.19	.17	.14	.12	.11
80-C317C100J2G	C317C100J2G5TA	10	200	5%	.19	.17	.14	.12	.11
80-C322C100J2G	C322C100J2G5TA	10	200	5%	.20	.17	.14	.13	.11
80-C315C150J1G	C315C150J1G5TA	15	100	5%	.21	.18	.15	.13	.12
80-C315C150J2G	C315C150J2G5TA	15	200	5%	.21	.18	.15	.13	.12
80-C317C150J2G	C317C150J2G5TA	15	200	5%	.21	.18	.15	.13	.12
80-C315C180J2G	C315C180J2G5TA	18	200	5%	.21	.18	.15	.13	.12
80-C317C180J2G	C317C180J2G5TA	18	200	5%	.21	.18	.15	.13	.12
80-C315C220J1G	C315C220J1G5TA	22	100	5%	.21	.18	.15	.13	.12
80-C317C220J2G	C317C220J2G5TA	22	200	5%	.21	.18	.15	.13	.12
80-C322C220J2G	C322C220J2G5TA	22	200	5%	.21	.18	.15	.14	.12
80-C315C270J2G	C315C270J2G5TA	27	200	5%	.21	.18	.15	.13	.12
80-C317C270J2G	C317C270J2G5TA	27	200	5%	.21	.18	.15	.13	.12
80-C322C270J2G	C322C270J2G5TA	27	200	5%	.21	.18	.15	.14	.12
80-C315C330J1G	C315C330J1G5TA	33	100	5%	.21	.18	.15	.13	.12
80-C315C330J2G	C315C330J2G5TA	33	200	5%	.21	.18	.15	.13	.12
80-C317C330J2G	C317C330J2G5TA	33	200	5%	.21	.18	.15	.13	.12
80-C322C330J2G	C322C330J2G5TA	33	200	5%	.21	.18	.15	.14	.12
80-C315C390J1G	C315C390J1G5TA	39	100	5%	.21	.18	.15	.13	.12
80-C315C390J2G	C315C390J2G5TA	39	200	5%	.21	.18	.15	.13	.12
80-C322C390J2G	C322C390J2G5TA	39	200	5%	.21	.18	.15	.14	.12
80-C315C470J1G	C315C470J1G5TA	47	100	5%	.21	.18	.15	.13	.12
80-C315C470J2G	C315C470J2G5TA	47	200	5%	.21	.18	.15	.13	.12
80-C322C470J2G	C322C470J2G5TA	47	200	5%	.21	.18	.15	.14	.12
80-C315C560J2G	C315C560J2G5TA	56	200	5%	.21	.18	.15	.13	.12
80-C317C560J2G	C317C560J2G5TA	56	200	5%	.21	.18	.15	.13	.12
80-C315C680J2G	C315C680J2G5TA	68	200	5%	.22	.19	.16	.14	.13
80-C315C101J1G	C315C101J1G5TA	100	100	5%	.21	.18	.15	.13	.12
80-C315C101J2G	C315C101J2G5TA	100	200	5%	.21	.18	.15	.13	.12
80-C317C101J2G	C317C101J2G5TA	100	200	5%	.21	.18	.15	.13	.12
80-C322C101J2G	C322C101J2G5TA	100	200	5%	.21	.18	.15	.14	.12
80-C315C121J1G	C315C121J1G5TA	120	100	5%	.20	.17	.14	.13	.11
80-C315C151J1G	C315C151J1G5TA	150	100	5%	.20	.17	.14	.13	.11
80-C315C151J2G	C315C151J2G5TA	150	200	5%	.24	.20	.17	.15	.13
80-C322C151J2G	C322C151J2G5TA	150	200	5%	.24	.20	.17	.15	.14
80-C315C181J1G	C315C181J1G5TA	180	100	5%	.20	.17	.14	.13	.11
80-C315C181J2G	C315C181J2G5TA	180	200	5%	.24	.20	.17	.15	.13
80-C317C181J1G	C317C181J1G5TA	180	100	5%	.20	.17	.14	.13	.11
80-C322C181J2G	C322C181J2G5TA	180	200	5%	.24	.20	.17	.15	.14
80-C315C221J1G	C315C221J1G5TA	220	100	5%	.20	.17	.14	.13	.11
80-C315C221J2G	C315C221J2G5TA	220	200	5%	.24	.20	.17	.15	.13
80-C317C221J1G	C317C221J1G5TA	220	100	5%	.20	.17	.14	.13	.11
80-C322C221J2G	C322C221J2G5TA	120	200	5%	.24	.20	.17	.15	.14
80-C322C271J2G	C322C271J2G5TA	270	200	5%	.24	.20	.17	.15	.14
80-C315C331J1G	C315C331J1G5TA	330	100	5%	.20	.17	.14	.13	.11
80-C315C331J2G	C315C331J2G5TA	330	200	5%	.28	.24	.20	.18	.16
80-C317C331J1G	C317C331J1G5TA	330	100	5%	.20	.17	.14	.13	.11
80-C322C331J2G	C322C331J2G5TA	330	200	5%	.28	.24	.20	.18	.16
80-C315C391J1G	C315C391J1G5TA	390	100	5%	.20	.17	.14	.13	.11
80-C315C471J1G	C315C471J1G5TA	470	100	5%	.20	.17	.14	.13	.11

C0G (NPO) (CONT.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.±	Price Each				
					1	25	100	500	1000
80-C315C471J2G	C315C471J2G5TA	470	200	5%	.28	.24	.20	.18	.16
80-C317C471J2G	C317C471J2G5TA	470	200	5%	.28	.24	.20	.18	.16
80-C322C471J2G	C322C471J2G5TA	470	200	5%	.28	.24	.20	.18	.16
80-C315C561J1G	C315C561J1G5TA	560	100	5%	.20	.17	.14	.13	.11
80-C320C561J2G	C320C561J2G5TA	560	200	5%	.28	.24	.20	.18	.16
80-C315C681J1G	C315C681J1G5TA	680	100	5%	.28	.24	.20	.18	.16
80-C322C681J2G	C322C681J2G5TA	680	200	5%	.31	.26	.22	.20	.18
80-C315C821J1G	C315C821J1G5TA	820	100	5%	.28	.24	.20	.18	.16
80-C322C821J1G	C322C821J1G5TA	820	100	5%	.28	.24	.20	.18	.16
80-C315C102J1G	C315C102J1G5TA	1000	100	5%	.23	.20	.16	.15	.13
80-C317C102J1G	C317C102J1G5TA	1000	100	5%	.23	.20	.16	.15	.13
80-C320C102J2G	C320C102J2G5TA	1000	200	5%	.30	.25	.21	.19	.17
80-C322C102J1G	C322C102J1G5TA	1000	100	5%	.23	.20	.16	.15	.13
80-C322C102J2G	C322C102J2G5TA	1000	200	5%	.30	.25	.21	.19	.17
80-C320C122J2G	C320C122J2G5TA	1200	200	5%	.33	.28	.24	.21	.19
80-C322C122J1G	C322C122J1G5TA	1200	100	5%	.29	.25	.21	.19	.17
80-C320C152J1G	C320C152J1G5TA	1500	100	5%	.29	.25	.21	.19	.17
80-C320C152J2G	C320C152J2G5TA	1500	200	5%	.33	.28	.24	.21	.19
80-C322C152J1G	C322C152J1G5TA	1500	100	5%	.29	.25	.21	.19	.17
80-C322C152J2G	C322C152J2G5TA	1500	200	5%	.33	.28	.24	.21	.19
80-C320C182J1G	C320C182J1G5TA	1800	100	5%	.29	.25	.21	.19	.17
80-C322C182J1G	C322C182J1G5TA	1800	100	5%	.29	.25	.21	.19	.17
80-C320C222J1G	C320C222J1G5TA	2200	100	5%	.29	.25	.21	.19	.17
80-C320C222J2G	C320C222J2G5TA	2200	200	5%	.33	.28	.24	.21	.19
80-C322C222J1G	C322C222J1G5TA	2200	100	5%	.29	.25	.21	.19	.17
80-C322C222J2G	C322C222J2G5TA	2200	200	5%	.33	.28	.24	.21	.19
80-C320C272J1G	C320C272J1G5TA	2700	100	5%	.29	.25	.21	.19	.17
80-C322C272J1G	C322C272J1G5TA	2700	100	5%	.29	.25	.21	.19	.17
80-C320C332J1G	C320C332J1G5TA	3300	100	5%	.33	.28	.24	.21	.19
80-C322C332J1G	C322C332J1G5TA	3300	100	5%	.33	.28	.24	.21	.19
80-C322C332J2G	C322C332J2G5TA	3300	200	5%	.41	.35	.29	.26	.23
80-C322C392J1G	C322C392J1G5TA	3900	100	5%	.35	.30	.25	.23	.20
80-C320C472J1G	C320C472J1G5TA	4700	100	5%	.35	.30	.25	.23	.20
80-C322C472J1G	C322C472J1G5TA	4700	100	5%	.35	.30	.25	.23	.20
80-C322C562J1G	C322C562J1G5TA	5600	100	5%	.41	.35	.29	.26	.23
80-C330C682J1G	C330C682J1G5TA	6800	100	5%	.67	.57	.48	.43	.38
80-C330C822J1G	C330C822J1G5TA	8200	100	5%	.67	.57	.48	.43	.38
80-C330C103J1G	C330C103J1G5TA	.01µF	100	5%	.82	.70	.59	.53	.47
80-C330C103J2G	C330C103J2G5TA	.01µF	200	5%	.93	.80	.66	.60	.53
80-C330C123J1G	C330C123J1G5TA	012µF	100	5%	1.04	.89	.74	.67	.59
80-C330C153J1G	C330C153J1G5TA	015µF	100	5%	1.04	.89	.74	.67	.59
80-C330C223J1G	C330C223J1G5TA	022µF	100	5%	1.55	1.32	1.10	.99	.88
80-C330C273J1G	C330C273J1G5TA	027µF	100	5%	1.67	1.43	1.19	1.07	.95
80-C340C333J1G	C340C333J1G5TA	033µF	100	5%	3.34	2.86	2.39	2.15	1.31
80-C340C473J1G	C340C473J1G5TA	047µF	100	5%	3.73	3.19	2.66	2.39	2.13
80-C350C473J2G	C350C473J2G5TA	047µF	200	5%	5.34	4.58	3.81	3.43	3.05
80-C340C563J1G	C340C563J1G5TA	056µF	100	5%	3.73	3.19	2.66	2.39	2.13
80-C340C683J1G	C340C683J1G5TA	068µF	100	5%	4.17	3.58	2.98	2.68	2.39
80-C350C104J1G	C350C104J1G5TA	0.1µF	100	5%	6.43	5.51	4.59	4.13	3.68

The Capacitance Company
KEMET
CHARGED.

CERAMIC "GOLDEN MAX" CONFORMAL COATED, RADIAL, X7R AND Z5U

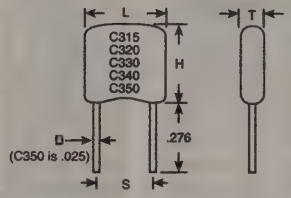
- Temperature Characteristics: X7R: ±15% from -55°C to +125°C, Z5U: +22%, -56% from +10°C to +85°C
- Meets flame test requirements of UL Standard 94V-0.
- Epoxy Encapsulated

Also available in various lead formations, tolerances and packing.
Please contact a Mouser Sales Representative for information.

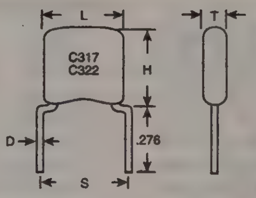
RoHS Compliant

DIMENSIONS: In.					
Case Size	L Max.	H Max.	T Max.	S (1) ± .030 (.76)	D + .004 (.10) - .001 (.76)
C315	.150 (3.81)	.210 (5.33)	.100 (2.54)	.100 (2.54)	.020 (.51)
C317	.150 (3.81)	.230 (5.84)	.100 (2.54)	.200 (5.08)	.020 (.51)
C320	.200 (5.08)	.260 (6.60)	.125 (3.18)	.100 (2.54)	.020 (.51)
C322	.200 (5.08)	.260 (6.60)	.125 (3.18)	.200 (5.08)	.020 (.51)
C323	.200 (5.08)	.320 (8.13)	.125 (3.18)	.200 (5.08)	.020 (.51)
C330	.300 (7.62)	.360 (9.14)	.150 (3.81)	.200 (5.08)	.020 (.51)
C340	.400 (10.16)	.460 (11.68)	.150 (3.81)	.200 (5.08)	.020 (.51)
C350	.500 (12.70)	.560 (14.22)	.200 (5.08)	.400 (10.16)	.025 (.64)

DIMENSIONS: In.



Straight Leads



Formed Leads

X7R

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.	Price Each				
					1	25	100	500	1000
80-C315C101K2R	C315C101K2R5TA	100	200	10%	.16	.14	.12	.11	.09
80-C317C101K2R	C317C101K2R5TA	100	200	10%	.16	.14	.12	.11	.09
80-C315C221K2R	C315C221K2R5TA	220	200	10%	.18	.15	.13	.12	.10
80-C315C331K1R	C315C331K1R5TA	330	100	10%	.14	.12	.10	.09	.08
80-C315C471K1R	C315C471K1R5TA	470	100	10%	.14	.12	.10	.09	.08
80-C315C471K2R	C315C471K2R5TA	470	200	10%	.18	.15	.13	.12	.10
80-C315C102K5R	C315C102K5R5TA	1000	50	10%	.13	.11	.09	.08	.07
80-C315C102K1R	C315C102K1R5TA	1000	100	10%	.10	.09	.07	.07	.06
80-C315C102K2R	C315C102K2R5TA	1000	200	10%	.16	.14	.12	.11	.09
80-C317C102K1R	C317C102K1R5TA	1000	100	10%	.13	.11	.09	.08	.07
80-C317C102K2R	C317C102K2R5TA	1000	200	10%	.16	.14	.12	.11	.09
80-C322C102K2R	C322C102K2R5TA	1000	200	10%	.17	.14	.12	.11	.10
80-C315C152K1R	C315C152K1R5TA	1500	100	10%	.14	.12	.10	.09	.08
80-C315C222K1R	C315C222K1R5TA	2200	100	10%	.14	.12	.10	.09	.08
80-C317C222K1R	C317C222K1R5TA	2200	100	10%	.14	.12	.10	.09	.08
80-C320C222K2R	C320C222K2R5TA	2200	200	10%	.19	.16	.13	.12	.11
80-C322C222K2R	C322C222K2R5TA	2200	200	10%	.19	.16	.13	.12	.11
80-C315C332K5R	C315C332K5R5TA	3300	50	10%	.14	.12	.10	.09	.08
80-C315C332K1R	C315C332K1R5TA	3300	100	10%	.14	.12	.10	.09	.08
80-C317C332K1R	C317C332K1R5TA	3300	100	10%	.14	.12	.10	.09	.08
80-C315C472K5R	C315C472K5R5TA	4700	50	10%	.15	.13	.11	.10	.09
80-C315C472K1R	C315C472K1R5TA	4700	100	10%	.15	.13	.11	.10	.09
80-C317C472K1R	C317C472K1R5TA	4700	100	10%	.15	.13	.11	.10	.09
80-C320C472K2R	C320C472K2R5TA	4700	200	10%	.20	.17	.14	.13	.12
80-C322C472K1R	C322C472K1R5TA	4700	100	10%	.16	.14	.11	.10	.09
80-C322C472K2R	C322C472K2R5TA	4700	200	10%	.20	.17	.14	.13	.12
80-C315C682K1R	C315C682K1R5TA	6800	100	10%	.15	.13	.11	.10	.09
80-C315C103K5R	C315C103K5R5TA	.01μF	50	10%	.10	.08	.07	.06	.06
80-C315C103K1R	C315C103K1R5TA	.01μF	100	10%	.11	.09	.08	.07	.06
80-C317C103K5R	C317C103K5R5TA	.01μF	50	10%	.11	.09	.08	.07	.06
80-C317C103K1R	C317C103K1R5TA	.01μF	100	10%	.14	.12	.10	.09	.08
80-C320C103K2R	C320C103K2R5TA	.01μF	200	10%	.19	.16	.13	.12	.11
80-C322C103K5R	C322C103K5R5TA	.01μF	50	10%	.13	.11	.09	.08	.07
80-C322C103K1R	C322C103K1R5TA	.01μF	100	10%	.12	.11	.09	.08	.07
80-C322C103K2R	C322C103K2R5TA	.01μF	200	10%	.19	.16	.13	.12	.11
80-C315C153K5R	C315C153K5R5TA	.015μF	50	10%	.15	.13	.11	.10	.09
80-C320C153K1R	C320C153K1R5TA	.015μF	100	10%	.17	.15	.12	.11	.10
80-C315C223K5R	C315C223K5R5TA	.022μF	50	10%	.17	.14	.12	.11	.09
80-C320C223K1R	C320C223K1R5TA	.022μF	100	10%	.20	.17	.14	.13	.12
80-C322C223K5R	C322C223K5R5TA	.022μF	50	10%	.17	.14	.12	.11	.10
80-C315C333K5R	C315C333K5R5TA	.033μF	50	10%	.17	.14	.12	.11	.09
80-C320C333K1R	C320C333K1R5TA	.033μF	100	10%	.20	.17	.14	.13	.12
80-C322C333K5R	C322C333K5R5TA	.033μF	50	10%	.17	.14	.12	.11	.10
80-C320C473K5R	C320C473K5R5TA	.047μF	50	10%	.19	.16	.14	.12	.11
80-C320C473K1R	C320C473K1R5TA	.047μF	100	10%	.25	.21	.18	.16	.14
80-C322C473K5R	C322C473K5R5TA	.047μF	50	10%	.19	.16	.14	.12	.11
80-C322C473K1R	C322C473K1R5TA	.047μF	100	10%	.25	.21	.18	.16	.14
80-C320C683K5R	C320C683K5R5TA	.068μF	50	10%	.19	.16	.14	.12	.11
80-C322C683K5R	C322C683K5R5TA	.068μF	50	10%	.19	.16	.14	.12	.11
80-C320C104K5R	C320C104K5R5TA	0.1μF	50	10%	.16	.11	.09	.07	.06

X7R (cont.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.	Price Each				
					1	25	100	500	1000
80-C322C104K5R	C322C104K5R5TA	0.1μF	50	10%	.10	.09	.07	.07	.06
80-C322C104K1R	C322C104K1R5TA	0.1μF	100	10%	.12	.10	.08	.07	.07
80-C320C154K5R	C320C154K5R5TA	0.15μF	50	10%	.27	.23	.19	.17	.15
80-C322C154K5R	C322C154K5R5TA	0.15μF	50	10%	.27	.23	.19	.17	.15
80-C320C224K5R	C320C224K5R5TA	0.22μF	50	10%	.39	.34	.28	.25	.22
80-C322C224K5R	C322C224K5R5TA	0.22μF	50	10%	.39	.34	.28	.25	.22
80-C340C224K2R	C340C224K2R5TA	0.22μF	200	10%	3.41	2.93	2.44	2.20	1.95
80-C322C274K5R	C322C274K5R5TA	0.27μF	50	10%	.42	.36	.30	.27	.24
80-C340C474K1R	C340C474K1R5TA	0.47μF	100	10%	1.37	1.17	.98	.88	.78
80-C350C474K2R	C350C474K2R5TA	0.47μF	200	10%	7.35	6.30	5.25	4.73	4.20
80-C340C105K5R	C340C105K5R5TA	1.0μF	50	10%	1.06	.91	.76	.68	.61
80-C340C105K1R	C340C105K1R5TA	1.0μF	100	10%	2.66	2.28	1.90	1.71	1.52
80-C350C105K1R	C350C105K1R5TA	1.0μF	100	10%	6.55	5.62	4.68	4.21	3.74
80-C340C155K5R	C340C155K5R5TA	1.5μF	50	10%	2.62	2.24	1.87	1.68	1.50
80-C340C225K5R	C340C225K5R5TA	2.2μF	50	10%	3.27	2.81	2.34	2.10	1.87
80-C350C225K5R	C350C225K5R5TA	2.2μF	50	10%	7.01	6.01	5.01	4.51	4.01
80-C350C335K5R	C350C335K5R5TA	3.3μF	50	10%	7.81	6.70	5.58	5.02	4.46
80-C350C475K5R	C350C475K5R5TA	4.7μF	50	10%	9.62	8.24	6.87	6.18	5.50

Z5U

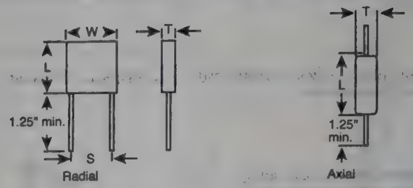
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (pF)	Volt	Tol.	Price Each				
					1	25	100	500	1000
80-C315C102M1U	C315C102M1U5TA	1000	100	20%	.12	.11	.09	.08	.07
80-C315C222M1U	C315C222M1U5TA	2200	100	20%	.14	.12	.10	.09	.08
80-C315C103M1U	C315C103M1U5TA	0.01μF	100	20%	.12	.11	.09	.08	.07
80-C317C103M5U	C317C103M5U5TA	0.01μF	50	20%	.12	.10	.09	.08	.07
80-C320C103M5U	C320C103M5U5TA	0.01μF	50	20%	.12	.10	.09	.08	.07
80-C315C473M5U	C315C473M5U5TA	.047μF	50	20%	.13	.11	.10	.09	.08
80-C315C104M5U	C315C104M5U5TA	0.1μF	50	20%	.09	.08	.06	.06	.05
80-C317C104M5U	C317C104M5U5TA	0.1μF	50	20%	.09	.08	.06	.06	.05
80-C320C104M1U	C320C104M1U5TA	0.1μF	100	20%	.15	.13	.11	.10	.09
80-C320C224M5U	C320C224M5U5TA	0.22μF	50	20%	.23	.20	.17	.15	.13
80-C320C334M5U	C320C334M5U5TA	0.33μF	50	20%	.23	.20	.17	.15	.13
80-C320C474M5U	C320C474M5U5TA	0.47μF	50	20%	.29	.25	.21	.19	.17
80-C340C105M1U	C340C105M1U5TA	1.0μF	100	20%	2.31	1.98	1.65	1.49	1.32
80-C330C155M5U	C330C155M5U5TA	1.5μF	50	20%	.78	.67	.56	.50	.45
80-C340C225M5U	C340C225M5U5TA	2.2μF	50	20%	1.96	1.68	1.40	1.26	1.12
80-C350C225M1U	C350C225M1U5TA	2.2μF	100	20%	8.25	7.07	5.89	5.30	4.72
80-C340C335M5U	C340C335M5U5TA	3.3μF	50	20%	2.92	2.50	2.08	1.88	1.67
80-C350C335M5U	C350C335M5U5TA	3.3μF	50	20%	5.41	4.64	3.87	3.48	3.09
80-C350C395M5U	C350C395M5U5TA	3.9μF	50	20%	6.04	5.18	4.31	3.88	3.45
80-C340C475M5U	C340C475M5U5TA	4.7μF	50	20%	3.52	3.02	2.52	2.26	2.01
80-C350C475M5U	C350C475M5U5TA	4.7μF	50	20%	6.04	5.18	4.31	3.88	3.45

KEMET High Temperature Ceramic Capacitors

KEMET 200°C CERAMIC CAPACITORS

Applications:
- Down Hole
- Industrial
- Harsh Environment



DIMENSIONS: in.

HT Series High Temperature Ceramic Capacitors (+200°C)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Temp. Coef	Value (μF)	Volt (Vdc)	Tol. (±)	Inches (Max)			Lead Spacing (S)	Price Each			
						W	L	T		1	5	10	20
Radial Lead													
80-HT05CN560J	HT05CN560J	C0G	56pF	100	5%	0.20	0.20	0.10	0.1	27.09	25.15	23.22	19.35
80-HT05CN101J	HT05CN101J	C0G	100pF	100	5%	0.20	0.20	0.10	0.1	35.32	32.79	30.27	25.23
80-HT05CB102K	HT05CB102K	X7R	0.001	100	10%	0.20	0.20	0.10	0.1	31.75	29.48	27.21	24.94
80-HT55BB562K	HT55BB562K	X7R	0.0056	50	10%	0.20	0.20	0.10	0.2	27.09	25.15	23.22	19.35
80-HT06CW104K	HT06CW104K	X7R	0.1	100	10%	0.30	0.30	0.15	0.2	36.54	33.93	31.32	28.71
Axial Lead													
80-HT13CN471K	HT13CN471K	C0G	470pF	100	10%	- - -	0.26	0.135	- - -	35.32	32.79	30.27	25.23
80-HT13CN102J	HT13CN102J	C0G	0.001	100	5%	- - -	0.26	0.135	- - -	35.59	33.05	30.51	25.42
80-HT14CN472J	HT14CN472J	C0G	0.0047	100	5%	- - -	0.40	0.155	- - -	35.59	33.05	30.51	25.42
80-HT13CB103J	HT13CB103J	X7R	0.01	100	5%	- - -	0.26	0.135	- - -	35.32	32.79	30.27	25.23

HV Series High Temperature/High Voltage Radial Lead Ceramic Capacitors (+200°C)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Temp. Coef	Value (μF)	Volt (Vdc)	Tol. (±)	Inches (Max)			Lead Spacing (S)	Price Each			
						W	L	T		1	5	10	20
80-20HV10B101P	20HV10B101P	X7R	100pF	2000	0/+100	0.25	0.22	0.15	0.17	25.94	24.08	22.23	18.53
80-10HV20B102K	10HV20B102K	X7R	0.001	1000	10%	0.25	0.22	0.2	0.17	22.05	20.48	18.90	17.33
80-20HV11B102P	20HV11B102P	X7R	0.001	2000	0/+100	0.32	0.3	0.25	0.2	29.93	27.79	25.67	21.38
80-30HV22B102K	30HV22B102K	X7R	0.001	3000	10%	0.37	0.3	0.25	0.275	31.15	28.93	26.70	24.48
80-50HV24B102K	50HV24B102K	X7R	0.001	5000	10%	0.57	0.5	0.27	0.475	47.29	43.91	40.53	37.15
80-05HV20B103K	05HV20B103K	X7R	0.01	500	10%	0.25	0.22	0.2	0.17	33.60	31.20	28.80	26.40
80-05HV10B103K	05HV10B103K	X7R	0.01	500	10%	0.25	0.22	0.15	0.17	30.56	28.37	26.19	24.01
80-10HV20B103K	10HV20B103K	X7R	0.01	1000	10%	0.25	0.22	0.2	0.17	23.28	21.61	19.95	18.29
80-10HV12B103Z	10HV12B103Z	X7R	0.01	1000	-20%/80	0.42	0.4	0.25	0.3	33.78	31.36	28.95	24.13
80-20HV13B103P	20HV13B103P	X7R	0.01	2000	0/+100	0.52	0.5	0.3	0.4	46.24	42.93	39.63	33.03
80-30HV14B103K	30HV14B103K	X7R	0.01	3000	10%	0.62	0.5	0.3	0.5	81.24	75.43	69.63	63.83
80-10HV24B104K	10HV24B104K	X7R	0.1	1000	10%	0.57	0.5	0.27	0.475	44.10	40.95	37.80	34.65
80-10HV25B224K	10HV25B224K	X7R	0.22	1000	10%	0.67	0.6	0.27	0.575	69.83	64.84	59.85	54.86
80-05HV24B105K	05HV24B105K	X7R	1.0	500	10%	0.57	0.5	0.27	0.475	87.99	81.71	75.42	69.14

KEMET 125°C UP TO 260°C C3 CERAMIC CASED CAPACITORS

Specifications:
- Elimination of cracking through uniform coefficient of linear expansion
- No "pull away" of epoxy potting from epoxy case at elevated temperatures
- Resistant to moisture penetration
- Superior volumetric efficiency
- Patented design

Applications:
- Down Hole
- Industrial
- Harsh Environment

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Kemet Part No.	Temp. Coef	Value (μF)	Volt (Vdc)	Tol. + -	Inches (Max)			Lead Spacing (S)	Price Each			
						W	L	T		1	5	10	20
Radial Lead C3 Standard (+125°C)													
80-SRR05D101KGS	SRR05D101KGS	X7R	100pF	100	10%	0.2	0.2	0.1	0.2	10.55	9.78	9.03	7.53
80-SRR05B104KGS	SRR05B104KGS	X7R	0.1	50	10%	0.2	0.2	0.1	0.2	18.20	16.90	15.60	13.00
Radial Lead C3 High Temperature (+200°C)													
80-ACR05B100KGS	ACR05B100KGS	C0G	10pF	50	10%	0.2	0.2	0.1	0.2	11.87	11.02	10.17	8.48
80-ACR05B220KGS	ACR05B220KGS	C0G	22pF	50	10%	0.2	0.2	0.1	0.2	11.87	11.02	10.17	8.48
80-ACR05B330KGS	ACR05B330KGS	C0G	33pF	50	10%	0.2	0.2	0.1	0.2	11.87	11.02	10.17	8.48
80-ACR05B680KGS	ACR05B680KGS	C0G	68pF	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05B101KGS	ACR05B101KGS	C0G	100pF	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05B271KGS	ACR05B271KGS	C0G	270pF	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05B471JGS	ACR05B471JGS	C0G	470pF	50	5%	0.2	0.2	0.1	0.2	18.17	16.87	15.57	12.98
80-ACR05B471KGS	ACR05B471KGS	C0G	470pF	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05B102KGS	ACR05B102KGS	C0G	0.001	50	10%	0.2	0.2	0.1	0.2	13.97	12.97	11.97	9.98
80-ACR05D103JGS	ACR05D103JGS	C0G	0.01	100	5%	0.2	0.2	0.1	0.2	35.04	32.53	30.03	27.53
80-ACR06D103KGS	ACR06D103KGS	C0G	0.01	100	10%	0.3	0.3	0.1	0.2	35.04	32.53	30.03	27.53
80-ARR05B103KGS	ARR05B103KGS	X7R	0.01	50	10%	0.2	0.2	0.1	0.2	19.18	17.81	16.44	15.07
80-ARR05B153KGS	ARR05B153KGS	X7R	0.015	50	10%	0.2	0.2	0.1	0.2	15.89	14.76	13.62	11.35
80-ARR05B104KGS	ARR05B104KGS	X7R	0.1	50	10%	0.2	0.2	0.1	0.2	21.56	20.02	18.48	16.94
80-ARR07B104KGS	ARR07B104KGS	X7R	0.1	50	10%	0.3	0.3	0.15	0.2	19.60	18.20	16.80	14.00
80-ARR06D104KGS	ARR06D104KGS	X7R	0.1	100	10%	0.3	0.3	0.1	0.2	25.48	23.66	21.84	20.02
80-ARR06B154KGS	ARR06B154KGS	X7R	0.15	50	10%	0.3	0.3	0.1	0.2	19.60	18.20	16.80	14.00
80-ARR07B105KGS	ARR07B105KGS	X7R	1.0	50	10%	0.3	0.3	0.15	0.2	28.60	26.55	24.51	20.43
80-ARR07D105KGS	ARR07D105KGS	X7R	1.0	100	10%	0.3	0.3	0.15	0.2	41.97	38.97	35.97	32.97
80-ARR08D105JGS	ARR08D105JGS	X7R	1.0	100	5%	0.5	0.5	0.1	0.4	41.97	38.97	35.97	32.97
Axial Lead C3 High Temperature (+200°C)													
80-ARA16B103KGS	ARA16B103KGS	X7R	0.01	50	10%	- - -	0.17	0.03	- - -	23.00	21.35	19.71	18.07
80-ARA25B104KGS	ARA25B104KGS	X7R	0.1	50	10%	- - -	0.28	0.1	- - -	19.57	18.17	16.77	15.37
Radial Lead C3 High Temperature (+260°C)													
80-TCR06B103JGS	TCR06B103JGS	C0G	0.01	50	5%	0.3	0.3	0.1	0.2	44.94	41.73	38.52	32.10
80-TRR06B105KGS	TRR06B105KGS	X7R	1.0	50	10%	0.3	0.3	0.1	0.2	60.55	54.49	48.44	43.60

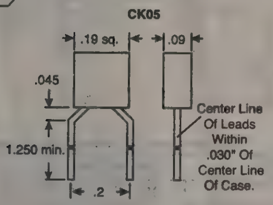
MALLORY Ceramic Capacitors

CK SERIES MULTILAYER CERAMIC CAPACITORS

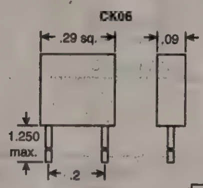
Specifications:

- Tolerance: ±10%
- Operating temperature: -55°C to +125°C
- Molded Case
- MIL spec MIL-C-11015/18 or MIL-C-11015/20

A



B



MEETS MIL SPECS™

DIMENSIONS: in.

CK05 Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Fig.	Volt (DC)	Value (pF)	Price Each			
					1	10	100	200
539-CK05100K	CK05BX100K	A	200	10	.23	.19	.18	.17
539-CK05150K	CK05BX150K	A	200	15	.23	.19	.18	.17
539-CK05220K	CK05BX220K	A	200	22	.23	.19	.18	.17
539-CK05330K	CK05BX330K	A	200	33	.23	.19	.18	.17
539-CK05470K	CK05BX470K	A	200	47	.29	.23	.21	.19
539-CK05560K	CK05BX560K	A	200	56	.23	.19	.18	.17
539-CK05680K	CK05BX680K	A	200	68	.32	.26	.24	.21
539-CK05820K	CK05BX820K	A	200	82	.23	.19	.18	.17
539-CK05101K	CK05BX101K	A	200	100	.23	.19	.18	.17
539-CK05121K	CK05BX121K	A	200	120	.23	.19	.18	.17
539-CK05151K	CK05BX151K	A	200	150	.23	.19	.18	.17
539-CK05181K	CK05BX181K	A	200	180	.23	.19	.18	.17
539-CK05221K	CK05BX221K	A	200	220	.23	.19	.18	.17
539-CK05271K	CK05BX271K	A	200	270	.29	.24	.23	.22
539-CK05331K	CK05BX331K	A	200	330	.23	.19	.18	.17
539-CK05391K	CK05BX391K	A	200	390	.23	.19	.18	.17
539-CK05471K	CK05BX471K	A	200	470	.32	.26	.24	.21
539-CK05561K	CK05BX561K	A	200	560	.23	.19	.18	.17
539-CK05681K	CK05BX681K	A	200	680	.32	.26	.25	.23

CK05 Series (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Fig.	Volt (DC)	Value (µF)	Price Each			
					1	10	100	200
539-CK05821K	CK05BX821K	A	200	820	.23	.19	.18	.17
539-CK05102K	CK05BX102K	A	200	1000	.23	.19	.18	.17
539-CK05152K	CK05BX152K	A	100	1500	.23	.19	.18	.17
539-CK05182K	CK05BX182K	A	100	1800pF	.23	.19	.18	.17
539-CK05222K	CK05BX222K	A	100	2200pF	.23	.19	.18	.17
539-CK05272K	CK05BX272K	A	100	2700pF	.29	.24	.23	.22
539-CK05332K	CK05BX332K	A	100	3300pF	.23	.19	.18	.17
539-CK05472K	CK05BX472K	A	100	4700pF	.29	.23	.21	.19
539-CK05562K	CK05BX562K	A	100	5600pF	.23	.19	.18	.17
539-CK05682K	CK05BX682K	A	100	6800pF	.23	.19	.18	.17
539-CK05103K	CK05BX103K	A	100	.01	.23	.19	.18	.17
539-CK05153K	CK05BX153K	A	50	.015	.29	.24	.23	.22
539-CK05223K	CK05BX223K	A	50	.022	.29	.24	.23	.22
539-CK05273K	CK05BX273K	A	50	.027	.29	.24	.23	.22
539-CK05333K	CK05BX333K	A	50	.033	.32	.26	.25	.24
539-CK05393K	CK05BX393K	A	50	.039	.32	.26	.25	.24
539-CK05473K	CK05BX473K	A	50	.047	.32	.26	.25	.24
539-CK05823K	CK05BX823K	A	50	.082	.30	.25	.24	.23
539-CK05104K	CK05BX104K	A	50	.1	.30	.25	.24	.23

CK06 Series

For quantities of and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Fig.	Volt (DC)	Value (µF)	Price Each			
					1	10	100	200
539-CK06332K	CK06BX332K	B	200	3300pF	.45	.36	.32	.28
539-CK06472K	CK06BX472K	B	200	4700pF	.24	.20	.20	.18
539-CK06103K	CK06BX103K	B	200	.01	.24	.20	.20	.18
539-CK06153K	CK06BX153K	B	100	.015	.30	.25	.24	.23
539-CK06223K	CK06BX223K	B	100	.022	.30	.25	.24	.23
539-CK06473K	CK06BX473K	B	100	.047	.33	.27	.27	.25
539-CK06683K	CK06BX683K	B	100	.068	.33	.27	.27	.25
539-CK06104K	CK06BX104K	B	100	.1	.33	.27	.27	.25
539-CK06154K	CK06BX154K	B	50	.15	.83	.69	.67	.61
539-CK06224K	CK06BX224K	B	50	.22	.98	.81	.78	.74
539-CK06334K	CK06BX334K	B	50	.33	1.26	1.04	1.01	.95
539-CK06474K	CK06BX474K	B	50	.47	1.72	1.42	1.38	1.30
539-CK06684K	CK06BX684K	B	50	.68	2.15	1.77	1.72	1.62
539-CK06105K	CK06BX105K	B	50	1.0	2.01	1.66	1.61	1.50

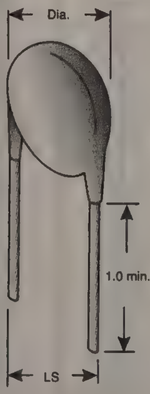
HIGH VOLTAGE CERAMIC DISC CAPACITORS

All capacitors are coated with tough humidity resistant coating and primarily designed for noncritical coupling, bypass and filter applications.

Specifications:

- Breakdown voltage: 2.5x rated (5 sec. max.)
- Insulation resistance: 10GΩ min.
- Power factor: 2.5% max.
- Test frequency: 1KHz
- Operating temperture: -30°C to +85°C .
- Other values and voltages also available
- Designed around EIA Test Spec. RS- 165A
- Ideal for use in non-critical coupling, bypass, and filter applications.

DIMENSIONS: in.



RoHS Compliant

GM Series

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Volt (DC)	Value (pF)	Temp. Coeff.	Tol. ± %	Dim: (in.)		Price Each		
						Dia. Max	LS	1	100	500
539-GM101K	GM101K	500	100	Y5P	10	.236	.252	.26	.15	.14
539-GM102K	GM102K	500	1000	Y5P	10	.236	.252	.29	.17	.15
539-GM103K	GM103K	500	.01µF	Y5P	10	.482	.252	1.39	.84	.78
539-GM223Z	GM223Z	500	.022µF	Y5U	-20 +80	.642	.374	1.52	.94	.80
539-GM331K	GM331K	500V	330	Y5P	10	.236	.252	.29	.17	.15

GP Series

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Volt (DC)	Value (pF)	Temp. Coeff.	Tol.± %.	Dim: (in.)		Price Each		
						Dia. Max	LS	1	100	500
539-GP422	GP422	1000	22	SL	10	.236	.252	.17	.10	.09
539-GP447	GP447	1000	47	SL	10	.236	.252	.21	.15	.14
539-GP310	GP310	1000	100	Y5P	10	.236	.25	.22	.14	.12
539-GP322	GP322	1000	220	Y5P	10	.236	.252	.14	.09	.08
539-GP210	GP210	1000	1000	Y5P	10	.291	.25	.24	.15	.13
539-GP222	GP222	1000	2200	Y5P	10	.374	.25	.36	.28	.23
539-GP247	GP247	1000	4700	Y5U	20	.433	.25	.34	.27	.23
539-GP110	GP110	1000	.01µF	Y5U	20	.590	.375	.52	.31	.29

HT Series

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Volt (DC)	Value (pF)	Temp. Coeff.	Tol. ± %	Dim: (in.)		Price Each		
						Dia. Max	LS	1	100	500
539-HT471K	HT471K	3000	470	Y5P	10	.394	.375	.32	.19	.18
539-HT222M	HT222M	3000	2200	Y5U	20	.590	.375	.59	.35	.32

MURATA Radial High Voltage Capacitors

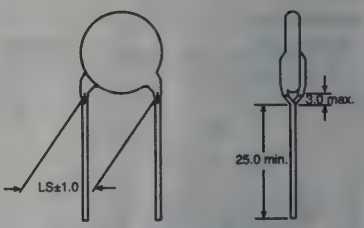
RoHS Compliant This page of product is compliant.

DIMENSIONS: mm

Applications:
- Ideal for use as the ballast in back lighting inverters for liquid crystal display.
- Ideal for use on high frequency pulse circuits such as a horizontal resonance circuit for CTV and snubber circuits for switching power supplies.
- Ideal use on decoupling circuit for power supply
- RoHS Compliant

RoHS Compliant

Code	Temperature Characteristics	Cap. Change or Temp. Coeff	Temperature Range
B3 E3 F3	B E F	±10% +20%-55% +30%-80%	-25 to +85°C
R3	R	±15% +15%-30%	-25 to +85°C +85 to 125°C
1X	SL	+350 to -1000ppm/°C	+20 to 85°C



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tolerance (%)	Voltage (KVdc)	Lead Space (mm)	Temperature Coefficient	Price Each			
							1	25	50	100
81-DEA1X3A100JC1B	DEA1X3A100JC1B	10	5	1.0	5.0	SL	.16	.14	.11	.08
81-DEA1X3A120JC1B	DEA1X3A120JC1B	12	5	1.0	5.0	SL	.15	.14	.11	.08
81-DEA1X3A150JC1B	DEA1X3A150JC1B	15	5	1.0	5.0	SL	.16	.12	.11	.09
81-DEA1X3A180JC1B	DEA1X3A180JC1B	18	5	1.0	5.0	SL	.16	.12	.11	.08
81-DEA1X3A220JC1B	DEA1X3A220JC1B	22	5	1.0	5.0	SL	.16	.12	.11	.08
81-DEA1X3A270JC1B	DEA1X3A270JC1B	27	5	1.0	5.0	SL	.16	.12	.11	.08
81-DEA1X3A330JC1B	DEA1X3A330JC1B	33	5	1.0	5.0	SL	.16	.12	.11	.08
81-DEA1X3A390JC1B	DEA1X3A390JC1B	39	5	1.0	5.0	SL	.17	.14	.11	.09
81-DEA1X3A470JC1B	DEA1X3A470JC1B	47	5	1.0	5.0	SL	.16	.12	.11	.08
81-DEA1X3A560JC1B	DEA1X3A560JC1B	56	5	1.0	5.0	SL	.16	.12	.11	.08
81-DEA1X3A680JC1B	DEA1X3A680JC1B	68	5	1.0	5.0	SL	.16	.12	.11	.08
81-DEA1X3A820JA2B	DEA1X3A820JA2B	82	5	1.0	5.0	SL	.20	.17	.15	.12
81-DEA1X3A101JA2B	DEA1X3A101JA2B	100	5	1.0	5.0	SL	.20	.17	.15	.12
81-DEA1X3A121JA2B	DEA1X3A121JA2B	120	5	1.0	5.0	SL	.20	.17	.15	.12
81-DEA1X3A151JA2B	DEA1X3A151JA2B	150	5	1.0	5.0	SL	.20	.18	.15	.13
81-DEA1X3A181JA2B	DEA1X3A181JA2B	180	5	1.0	5.0	SL	.20	.18	.15	.13
81-DEA1X3A221JA2B	DEA1X3A221JA2B	220	5	1.0	5.0	SL	.20	.18	.15	.13
81-DEA1X3A271JA2B	DEA1X3A271JA2B	270	5	1.0	5.0	SL	.20	.18	.15	.13
81-DEA1X3A331JA2B	DEA1X3A331JA2B	330	5	1.0	5.0	SL	.21	.18	.14	.12
81-DEA1X3A391JA2B	DEA1X3A391JA2B	390	5	1.0	5.0	SL	.23	.21	.18	.15
81-DEA1X3A471JA2B	DEA1X3A471JA2B	470	5	1.0	5.0	SL	.25	.21	.16	.14
81-DEA1X3A561JA3B	DEA1X3A561JA3B	560	5	1.0	5.0	SL	.20	.13	.12	.11
81-DEA1X3D100JC1B	DEA1X3D100JC1B	10	5	2.0	5.0	SL	.16	.12	.11	.08
81-DEA1X3D150JC1B	DEA1X3D150JC1B	15	5	2.0	5.0	SL	.17	.13	.11	.09
81-DEA1X3D180JC1B	DEA1X3D180JC1B	18	5	2.0	5.0	SL	.17	.14	.11	.10
81-DEA1X3D220JC1B	DEA1X3D220JC1B	22	5	2.0	5.0	SL	.16	.12	.11	.09
81-DEA1X3D270JC1B	DEA1X3D270JC1B	27	5	2.0	5.0	SL	.16	.12	.11	.09
81-DEA1X3D330JC1B	DEA1X3D330JC1B	33	5	2.0	5.0	SL	.15	.11	.09	.08
81-DEA1X3D390JC1B	DEA1X3D390JC1B	39	5	2.0	5.0	SL	.20	.17	.15	.12
81-DEA1X3D470JA2B	DEA1X3D470JA2B	47	5	2.0	5.0	SL	.20	.17	.15	.12
81-DEA1X3D560JA2B	DEA1X3D560JA2B	56	5	2.0	5.0	SL	.20	.17	.15	.12
81-DEA1X3D680JA2B	DEA1X3D680JA2B	68	5	2.0	5.0	SL	.20	.17	.15	.12
81-DEA1X3D820JA2B	DEA1X3D820JA2B	82	5	2.0	5.0	SL	.20	.17	.15	.12
81-DEA1X3D101JA2B	DEA1X3D101JA2B	100	5	2.0	5.0	SL	.20	.18	.15	.13
81-DEA1X3D121JA2B	DEA1X3D121JA2B	120	5	2.0	5.0	SL	.20	.18	.15	.13
81-DEA1X3D151JA2B	DEA1X3D151JA2B	150	5	2.0	5.0	SL	.20	.18	.15	.13
81-DEA1X3D181JA2B	DEA1X3D181JA2B	180	5	2.0	5.0	SL	.21	.18	.14	.12
81-DEA1X3D221JA2B	DEA1X3D221JA2B	220	5	2.0	5.0	SL	.23	.19	.15	.13
81-DEA1X3D271JA2B	DEA1X3D271JA2B	270	5	2.0	5.0	SL	.24	.20	.16	.14
81-DEA1X3D331JA3B	DEA1X3D331JA3B	330	5	2.0	5.0	SL	.24	.21	.18	.13
81-DEA1X3D391JA3B	DEA1X3D391JA3B	390	5	2.0	7.5	SL	.32	.27	.21	.18
81-DEA1X3D471JA3B	DEA1X3D471JA3B	470	5	2.0	7.5	SL	.36	.30	.23	.20
81-DEA1X3D561JA3B	DEA1X3D561JA3B	560	5	2.0	7.5	SL	.39	.33	.25	.22
81-DEA1X3F100JCDB	DEA1X3F100JCDB	10	5	3.15	7.5	SL	.18	.15	.12	.10
81-DEA1X3F120JCDB	DEA1X3F120JCDB	12	5	3.15	7.5	SL	.18	.15	.12	.10
81-DEA1X3F150JCDB	DEA1X3F150JCDB	15	5	3.15	7.5	SL	.18	.15	.12	.10
81-DEA1X3F180JCDB	DEA1X3F180JCDB	18	5	3.15	7.5	SL	.21	.19	.16	.13
81-DEA1X3F220JCDB	DEA1X3F220JCDB	22	5	3.15	7.5	SL	.22	.19	.16	.13
81-DEA1X3F270JC3B	DEA1X3F270JC3B	27	5	3.15	7.5	SL	.22	.19	.16	.13
81-DEA1X3F330JC3B	DEA1X3F330JC3B	33	5	3.15	7.5	SL	.22	.19	.16	.13
81-DEA1X3F390JC3B	DEA1X3F390JC3B	39	5	3.15	7.5	SL	.22	.19	.16	.13
81-DEA1X3F470JC3B	DEA1X3F470JC3B	47	5	3.15	7.5	SL	.19	.14	.11	.10
81-DEA1X3F680JA3B	DEA1X3F680JA3B	68	5	3.15	7.5	SL	.27	.20	.18	.14
81-DEA1X3F820JA3B	DEA1X3F820JA3B	82	5	3.15	7.5	SL	.29	.21	.20	.15
81-DEA1X3F101JA3B	DEA1X3F101JA3B	100	5	3.15	7.5	SL	.30	.22	.18	.16
81-DEA1X3F121JA3B	DEA1X3F121JA3B	120	5	3.15	7.5	SL	.36	.24	.22	.20
81-DEA1X3F151JA3B	DEA1X3F151JA3B	150	5	3.15	7.5	SL	.36	.24	.22	.20
81-DEA1X3F181JA3B	DEA1X3F181JA3B	180	5	3.15	7.5	SL	.36	.24	.22	.20
81-DEA1X3F221JA3B	DEA1X3F221JA3B	220	5	3.15	7.5	SL	.36	.24	.22	.20
81-DEA1X3F271JA3B	DEA1X3F271JA3B	270	5	3.15	7.5	SL	.36	.30	.23	.20
81-DEA1X3F331JA3B	DEA1X3F331JA3B	330	5	3.15	7.5	SL	.38	.32	.24	.21
81-DEA1X3F391JA3B	DEA1X3F391JA3B	390	5	3.15	7.5	SL	.46	.39	.30	.26
81-DEBB33A101KC1B	DEBB33A101KC1B	100	10	1.0	5.0	B3	.16	.13	.10	.082
81-DEBB33A151KC1B	DEBB33A151KC1B	150	10	1.0	5.0	B3	.16	.13	.10	.09
81-DEBB33A221KC1B	DEBB33A221KC1B	220	10	1.0	5.0	B3	.16	.12	.10	.085
81-DEBB33A331KC1B	DEBB33A331KC1B	330	10	1.0	5.0	B3	.16	.13	.10	.082
81-DEBB33A471KC1B	DEBB33A471KC1B	470	10	1.0	5.0	B3	.17	.123	.10	.087
81-DEBB33A681KA2B	DEBB33A681KA2B	680	10	1.0	5.0	B3	.19	.16	.14	.116
81-DEBB33A102KA2B	DEBB33A102KA2B	1,000	10	1.0	5.0	B3	.19	.16	.14	.116
81-DEBB33A152KA2B	DEBB33A152KA2B	1,500	10	1.0	5.0	B3	.23	.17	.15	.12
81-DEBB33A222KA2B	DEBB33A222KA2B	2,200	10	1.0	5.0	B3	.26	.17	.15	.14
81-DEBB33A332KA2B	DEBB33A332KA2B	3,300	10	1.0	5.0	B3	.26	.17	.15	.14
81-DEBB33A472KA3B	DEBB33A472KA3B	4,700	10	1.0	7.5	B3	.31	.27	.23	.20
81-DEBB33A682KA3B	DEBB33A682KA3B	6,800	10	1.0	7.5	B3	.41	.35	.27	.23

MURATA Radial High Voltage Capacitors

This page of product is compliant.

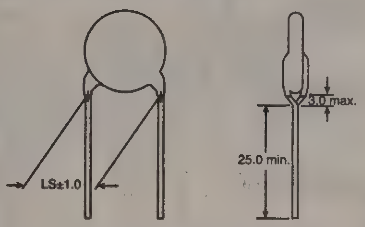
Applications:

- Ideal for use as the ballast in back lighting inverters for liquid crystal display.
- Ideal for use on high frequency pulse circuits such as a horizontal resonance circuit for CTV and snubber circuits for switching power supplies.
- Ideal use on decoupling circuit for power supply
- RoHS Compliant

RoHS Compliant

Code	Temperature Characteristics	Cap. Change or Temp. Coeff	Temperature Range
B3	B	±10%	-25 to +85°C
E3	E	+20%-55%	
F3	F	+30%-80%	
R3	R	±15% +15%-30%	-25 to +85°C +85 to 125°C
1X	SL	+350 to -1000ppm/°C	+20 to 85°C

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tolerance (%)	Voltage (KVdc)	Lead Space (mm)	Temperature Coefficient	Price Each			
							1	50	100	500
81-DEBB33D101KC1B	DEBB33D101KC1B	100	10	2.0	5.0	B3	.17	.127	.11	.09
81-DEBB33D151KC1B	DEBB33D151KC1B	150	10	2.0	5.0	B3	.17	.13	.11	.09
81-DEBB33D221KC1B	DEBB33D221KC1B	220	10	2.0	5.0	B3	.17	.14	.11	.10
81-DEBB33D331KC1B	DEBB33D331KC1B	330	10	2.0	5.0	B3	.17	.12	.11	.09
81-DEBB33D471KA2B	DEBB33D471KA2B	470	10	2.0	5.0	B3	.21	.18	.16	.13
81-DEBB33D681KA2B	DEBB33D681KA2B	680	10	2.0	5.0	B3	.21	.18	.16	.13
81-DEBB33D102KA2B	DEBB33D102KA2B	1,000	10	2.0	5.0	B3	.24	.21	.18	.15
81-DEBB33D152KA2B	DEBB33D152KA2B	1,500	10	2.0	5.0	B3	.27	.22	.17	.15
81-DEBB33D222KA2B	DEBB33D222KA2B	2,200	10	2.0	5.0	B3	.27	.23	.17	.15
81-DEBB33D332KA3B	DEBB33D332KA3B	3,300	10	2.0	7.5	B3	.37	.31	.24	.21
81-DEBB33D472KA3B	DEBB33D472KA3B	4,700	10	2.0	7.5	B3	.51	.43	.33	.29
81-DEBB33F101KCDB	DEBB33F101KCDB	100	10	3.15	7.5	B3	.20	.17	.13	.11
81-DEBB33F151KCDB	DEBB33F151KCDB	150	10	3.15	7.5	B3	.20	.17	.13	.11
81-DEBB33F221KCDB	DEBB33F221KCDB	220	10	3.15	7.5	B3	.20	.17	.13	.11
81-DEBB33F331KC3B	DEBB33F331KC3B	330	10	3.15	7.5	B3	.24	.20	.18	.14
81-DEBB33F471KA3B	DEBB33F471KA3B	470	10	3.15	7.5	B3	.24	.21	.18	.15
81-DEBB33F681KA3B	DEBB33F681KA3B	680	10	3.15	7.5	B3	.23	.21	.18	.15
81-DEBB33F102KA3B	DEBB33F102KA3B	1,000	10	3.15	7.5	B3	.36	.24	.22	.20
81-DEBB33F152KA3B	DEBB33F152KA3B	1,500	10	3.15	7.5	B3	.45	.40	.30	.23
81-DEBB33F222KA3B	DEBB33F222KA3B	2,200	10	3.15	7.5	B3	.47	.40	.30	.26
81-DEBB33F332KA3B	DEBB33F332KA3B	3,300	10	3.15	7.5	B3	.61	.52	.40	.35
81-DEBE33A102ZC1B	DEBE33A102ZC1B	1,000	+80-20	1.0	5.0	E3	.15	.11	.10	.08
81-DEBE33A222ZA2B	DEBE33A222ZA2B	2,200	+80-20	1.0	5.0	E3	.23	.17	.15	.12
81-DEBE33A472ZA2B	DEBE33A472ZA2B	4,700	+80-20	1.0	5.0	E3	.25	.22	.19	.15
81-DEBE33A103ZA3B	DEBE33A103ZA3B	10,000	+80-20	1.0	7.5	E3	.37	.32	.28	.23
81-DEBE33D102ZA2B	DEBE33D102ZA2B	1,000	+80-20	2.0	5.0	E3	.21	.18	.13	.12
81-DEBE33D222ZA2B	DEBE33D222ZA2B	2,200	+80-20	2.0	5.0	E3	.21	.18	.13	.12
81-DEBE33D472ZA2B	DEBE33D472ZA2B	4,700	+80-20	2.0	5.0	E3	.44	.33	.25	.23
81-DEBE33D103ZA3B	DEBE33D103ZA3B	10,000	+80-20	2.0	7.5	E3	.56	.49	.42	.35
81-DEBE33F102ZC3B	DEBE33F102ZC3B	1,000	+80-20	3.15	7.5	E3	.21	.18	.13	.12
81-DEBE33F222ZA3B	DEBE33F222ZA3B	2,200	+80-20	3.15	7.5	E3	.21	.18	.13	.12
81-DEBE33F472ZA3B	DEBE33F472ZA3B	4,700	+80-20	3.15	7.5	E3	.56	.49	.42	.35
81-DEBF33A222ZA2B	DEBF33A222ZA2B	2,200	+80-20	1.0	5.0	F3	.19	.17	.15	.12
81-DEBF33A472ZA2B	DEBF33A472ZA2B	4,700	+80-20	1.0	5.0	F3	.24	.20	.18	.14
81-DEBF33A103ZA2B	DEBF33A103ZA2B	10,000	+80-20	1.0	5.0	F3	.30	.26	.23	.19
81-DEBF33D102ZC1B	DEBF33D102ZC1B	1,000	+80-20	2.0	5.0	F3	.17	.13	.12	.09
81-DEBF33D222ZA2B	DEBF33D222ZA2B	2,200	+80-20	2.0	5.0	F3	.29	.24	.19	.16
81-DEBF33D472ZA2B	DEBF33D472ZA2B	4,700	+80-20	2.0	5.0	F3	.29	.24	.19	.16
81-DEBF33D103ZA3B	DEBF33D103ZA3B	10,000	+80-20	2.0	7.5	F3	.52	.46	.39	.32
81-DEHR33A221KA2B	DEHR33A221KA2B	220	10	1.0	5.0	R3	.19	.16	.12	.11
81-DEHR33A331KA2B	DEHR33A331KA2B	330	10	1.0	5.0	R3	.19	.16	.12	.11
81-DEHR33A471KA2B	DEHR33A471KA2B	470	10	1.0	5.0	R3	.23	.19	.17	.14
81-DEHR33A681KA2B	DEHR33A681KA2B	680	10	1.0	5.0	R3	.23	.20	.17	.14
81-DEHR33A102KA2B	DEHR33A102KA2B	1,000	10	1.0	5.0	R3	.23	.21	.17	.14
81-DEHR33A152KA2B	DEHR33A152KA2B	1,500	10	1.0	5.0	R3	.23	.21	.17	.14
81-DEHR33A222KA3B	DEHR33A222KA3B	2,200	10	1.0	7.5	R3	.33	.28	.21	.19
81-DEHR33A332KA3B	DEHR33A332KA3B	3,300	10	1.0	7.5	R3	.42	.36	.27	.24
81-DEHR33A472KA3B	DEHR33A472KA3B	4,700	10	1.0	7.5	R3	.56	.48	.36	.32
81-DEHR33D221KA3B	DEHR33D221KA3B	220	10	2.0	7.5	R3	.25	.21	.18	.15
81-DEHR33D271KC3B	DEHR33D271KC3B	270	10	2.0	7.5	R3	.25	.21	.18	.15
81-DEHR33D331KA3B	DEHR33D331KA3B	330	10	2.0	7.5	R3	.25	.21	.19	.15
81-DEHR33D391KA3B	DEHR33D391KA3B	390	10	2.0	7.5	R3	.25	.21	.19	.15
81-DEHR33D471KA3B	DEHR33D471KA3B	470	10	2.0	7.5	R3	.25	.21	.19	.15
81-DEHR33D561KA3B	DEHR33D561KA3B	560	10	2.0	7.5	R3	.25	.22	.19	.16
81-DEHR33D681KA3B	DEHR33D681KA3B	680	10	2.0	7.5	R3	.25	.22	.19	.16
81-DEHR33D821KA3B	DEHR33D821KA3B	820	10	2.0	7.5	R3	.25	.22	.19	.16
81-DEHR33D102KA3B	DEHR33D102KA3B	1,000	10	2.0	7.5	R3	.33	.29	.25	.21
81-DEHR33D122KA3B	DEHR33D122KA3B	1,200	10	2.0	7.5	R3	.33	.29	.25	.21
81-D-EHR33D152KA3B	DEHR33D152KA3B	1,500	10	2.0	7.5	R3	.33	.29	.25	.21
81-DEHR33D182KA3B	DEHR33D182KA3B	1,800	10	2.0	7.5	R3	.49	.42	.32	.28
81-DEHR33D222KA3B	DEHR33D222KA3B	2,200	10	2.0	7.5	R3	.49	.42	.32	.28
81-DEHR33D272KA3B	DEHR33D272KA3B	2,700	10	2.0	7.5	R3	.66	.56	.43	.37
81-DEHR33D332KA4B	DEHR33D332KA4B	3,300	10	2.0	10	R3	.66	.56	.43	.37
81-DEHR33D392KA4B	DEHR33D392KA4B	3,900	10	2.0	10	R3	.85	.72	.55	.48
81-DEHR33D472KA4B	DEHR33D472KA4B	4,700	10	2.0	10	R3	.95	.81	.61	.54
81-DEHR33F151KC3B	DEHR33F151KC3B	150	10	3.15	7.5	R3	.30	.22	.18	.16
81-DEHR33F181KC3B	DEHR33F181KC3B	180	10	3.15	7.5	R3	.30	.22	.18	.16
81-DEHR33F221KC3B	DEHR33F221KC3B	220	10	3.15	7.5	R3	.30	.22	.18	.16
81-DEHR33F271KA3B	DEHR33F271KA3B	270	10	3.15	7.5	R3	.48	.32	.29	.26
81-DEHR33F331KA3B	DEHR33F331KA3B	330	10	3.15	7.5	R3	.32	.25	.22	.17
81-DEHR33F391KA3B	DEHR33F391KA3B	390	10	3.15	7.5	R3	.33	.25	.21	.18
81-DEHR33F471KA3B	DEHR33F471KA3B	470	10	3.15	7.5	R3	.42	.30	.25	.22
81-DEHR33F561KA3B	DEHR33F561KA3B	560	10	3.15	7.5	R3	.42	.30	.25	.22
81-DEHR33F681KA3B	DEHR33F681KA3B	680	10	3.15	7.5	R3	.53	.31	.25	.23
81-DEHR33F821KA3B	DEHR33F821KA3B	820	10	3.15	7.5	R3	.54	.36	.33	.28
81-DEHR33F102KA3B	DEHR33F102KA3B	1,000	10	3.15	7.5	R3	.54	.36	.33	.30
81-DEHR33F122KA3B	DEHR33F122KA3B	1,200	10	3.15	7.5	R3	.58	.49	.34	.33
81-DEHR33F152KA3B	DEHR33F152KA3B	1,500	10	3.15	7.5	R3	.60	.51	.39	.34
81-DEHR33F182KA3B	DEHR33F182KA3B	1,800	10	3.15	7.5	R3	.71	.60	.46	.40
81-DEHR33F222KA3B	DEHR33F222KA3B	2,200	10	3.15	7.5	R3	.92	.78	.69	.56
81-DEHR33F272KA4B	DEHR33F272KA4B	2,700	10	3.15	10	R3	.99	.88	.67	.58

MURATA Multilayer Ceramic Radial Capacitors

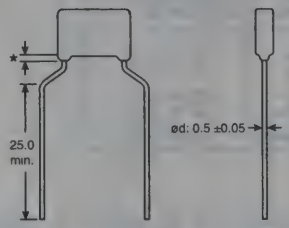
RoHS Compliant This page of product is compliant.

MURATA RPE SERIES CAPACITORS

Specifications:

- Temperature Characteristics:
  - C0G ±30ppm/°C from -55°C to +125°C
  - X7R ±15% from -55°C to +125°C
  - Z5U -56%, +22% from +10°C to +85°C
- Case Size: 5.0 x 3.5mm
- Lead Space: 2.5mm
- D.F.: <0.8% @ 1kHz

DIMENSIONS: mm



RoHS Compliant

* Coating extension does not exceed the end of lead bend

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. ±	Price Each			
				1	50	100	500
C0G 50 Volts							
81-RPE5CH1R0C2P1B03B	RPE5C1H1R0C2P1B03B	1.0	.25pF	.26	.20	.18	.145
81-RPE5C1H1R2C2P1B03	RPE5C1H1R2C2P1B03B	1.2	.25pF	.26	.20	.18	.16
81-RPE5C1H1R5C2P1B03	RPE5C1H1R5C2P1B03B	1.5	.25pF	.26	.20	.18	.159
81-RPE5CH2R0C2P1B03B	RPE5C1H2R0C2P1B03B	2.0	.25pF	.26	.20	.18	.145
81-RPE5C1H2R2C2P1B03	RPE5C1H2R2C2P1B03B	2.2	.25pF	.26	.20	.18	.159
81-RPE5C1H2R7C2P1B03	RPE5C1H2R7C2P1B03B	2.7	.25pF	.26	.20	.18	.159
81-RPE5C1H3R0C2P1B03	RPE5C1H3R0C2P1B03B	3.0	.25pF	.26	.20	.18	.159
81-RPE5C1H3R3C2P1B03	RPE5C1H3R3C2P1B03B	3.3	.25pF	.26	.20	.18	.159
81-RPE5C1H3R9C2P1B03	RPE5C1H3R9C2P1B03B	3.9	.25pF	.26	.20	.18	.159
81-RPE5CH4R0C2P1B03B	RPE5C1H4R0C2P1B03B	4.0	.25pF	.26	.20	.18	.145
81-RPE5C1H4R7C2P1B03	RPE5C1H4R7C2P1B03B	4.7	.25pF	.26	.20	.18	.159
81-RPE5C1H5R1C2P1B03	RPE5C1H5R1C2P1B03B	5.1	.25pF	.33	.25	.23	.187
81-RPE5C1H5R6C2P1B03	RPE5C1H5R6C2P1B03B	5.6	.25pF	.33	.25	.23	.187
81-RPE5C1H6R0D2P1B03	RPE5C1H6R0D2P1B03B	6.0	.5pF	.28	.20	.17	.145
81-RPE5C1H6R8C2P1B03	RPE5C1H6R8C2P1B03B	6.8	.25pF	.33	.25	.23	.187
81-RPE5C1H7R0D2P1Z03	RPE5C1H7R0D2P1Z03B	7.0	.5pF	.30	.224	.18	.159
81-RPE5C1H8R0D2P1Z03	RPE5C1H8R0D2P1Z03B	8.0	.5pF	.30	.224	.18	.159
81-RPE5C1H8R2C2P1Z03	RPE5C1H8R2C2P1Z03B	8.2	.25pF	.33	.25	.23	.187
81-RPE5C1H9R0D2P1Z03	RPE5C1H9R0D2P1Z03B	9.0	.5pF	.30	.224	.18	.159
81-RPE5C1H9R1C2P1Z03	RPE5C1H9R1C2P1Z03B	9.1	.25pF	.33	.25	.23	.187
81-RPE5C1H100J2P1Z03	RPE5C1H100J2P1Z03B	10	5%	.26	.20	.18	.145
81-RPE5C1H120J2P1Z03	RPE5C1H120J2P1Z03B	12	5%	.26	.20	.18	.145
81-RPE5C1H130J2P1Z03	RPE5C1H130J2P1Z03B	13	5%	.26	.20	.18	.159
81-RPE5C1H150J2P1Z03	RPE5C1H150J2P1Z03B	15	5%	.26	.20	.18	.145
81-RPE5C1H180J2P1Z03	RPE5C1H180J2P1Z03B	18	5%	.26	.20	.18	.159
81-RPE5C1H200J2P1Z03	RPE5C1H200J2P1Z03B	20	5%	.26	.20	.18	.159
81-RPE5C1H220J2P1Z03	RPE5C1H220J2P1Z03B	22	5%	.26	.20	.18	.145
81-RPE5C1H240J2P1Z03	RPE5C1H240J2P1Z03B	24	5%	.26	.20	.18	.159
81-RPE5C1H270J2P1Z03	RPE5C1H270J2P1Z03B	27	5%	.26	.20	.18	.145
81-RPE5C1H300J2P1Z03	RPE5C1H300J2P1Z03B	30	5%	.26	.20	.18	.159
81-RPE5C1H330J2P1Z03	RPE5C1H330J2P1Z03B	33	5%	.26	.20	.18	.145
81-RPE5C1H390J2P1Z03	RPE5C1H390J2P1Z03B	39	5%	.26	.20	.18	.159
81-RPE5C1H430J2P1Z03	RPE5C1H430J2P1Z03B	43	5%	.26	.20	.18	.159
81-RPE5C1H470J2P1Z03	RPE5C1H470J2P1Z03B	47	5%	.26	.20	.18	.159
81-RPE5C1H510J2P1Z03	RPE5C1H510J2P1Z03B	51	5%	.26	.20	.18	.16
81-RPE5C1H560J2P1Z03	RPE5C1H560J2P1Z03B	56	5%	.26	.20	.18	.145
81-RPE5C1H680J2P1Z03	RPE5C1H680J2P1Z03B	68	5%	.26	.20	.18	.159
81-RPE5C1H750J2P1Z03	RPE5C1H750J2P1Z03B	75	5%	.26	.20	.18	.159
81-RPE5C1H820J2P1Z03	RPE5C1H820J2P1Z03B	82	5%	.26	.20	.18	.145
81-RPE5C1H910J2P1Z03	RPE5C1H910J2P1Z03B	91	5%	.26	.20	.18	.159
81-RPE5C1H101J2P1A03	RPE5C1H101J2P1A03B	100	5%	.27	.21	.19	.155
81-RPE5C1H121J2P1A03	RPE5C1H121J2P1A03B	120	5%	.27	.21	.19	.155
81-RPE5C1H151J2P1A03	RPE5C1H151J2P1A03B	150	5%	.27	.21	.19	.155
81-RPE5C1H181J2P1A03	RPE5C1H181J2P1A03B	180	5%	.27	.21	.19	.155
81-RPE5C1H221J2P1A03	RPE5C1H221J2P1A03B	220	5%	.27	.21	.19	.155
81-RPE5C1H271J2P1A03	RPE5C1H271J2P1A03B	270	5%	.27	.21	.19	.155
81-RPE5C1H301J2P1A03	RPE5C1H301J2P1A03B	300	5%	.29	.22	.20	.159
81-RPE5C1H331J2P1A03	RPE5C1H331J2P1A03B	330	5%	.30	.224	.18	.159
81-RPE5C1H361J2P1A03	RPE5C1H361J2P1A03B	360	5%	.29	.22	.20	.159
81-RPE5C1H391J2P1A03	RPE5C1H391J2P1A03B	390	5%	.29	.22	.20	.159
81-RPE5C1H471J2P1A03	RPE5C1H471J2P1A03B	470	5%	.29	.22	.20	.166
81-RPE5C1H561J2P1A03	RPE5C1H561J2P1A03B	560	5%	.29	.22	.20	.166
81-RPE5C1H681J2P1A03	RPE5C1H681J2P1A03B	680	5%	.31	.24	.22	.177
81-RPE5C1H821J2P1A03	RPE5C1H821J2P1A03B	820	5%	.31	.24	.22	.177
81-RPE5C1H102J2P1A03	RPE5C1H102J2P1A03B	1000	5%	.34	.26	.24	.201
81-RPE5C1H122J2P1A03	RPE5C1H122J2P1A03B	1200	5%	.34	.26	.24	.201
81-RPE5C1H152J2P1A03	RPE5C1H152J2P1A03B	1500	5%	.42	.32	.29	.236
81-RPE5C1H182J2P1C03	RPE5C1H182J2P1C03B	1800	5%	.42	.32	.29	.239
81-RPE5C1H222J2P1C03	RPE5C1H222J2P1C03B	2200	5%	.42	.32	.29	.239
X7R 50 Volts							
81-RPER71H221K2P1A03	RPER71H221K2P1A03B	220	10%	.20	.15	.14	.117
81-RPER71H331K2P1A03	RPER71H331K2P1A03B	330	10%	.20	.15	.14	.113
81-RPER71H391K2P1A03	RPER71H391K2P1A03B	390	10%	.20	.15	.14	.125
81-RPER71471K2P1A03B	RPER71H471K2P1A03B	470	10%	.19	.14	.13	.102
81-RPER71H561K2P1A03	RPER71H561K2P1A03B	560	10%	.20	.15	.14	.113
81-RPER71681K2P1A03B	RPER71H681K2P1A03B	680	10%	.20	.146	.14	.104
81-RPER71H821K2P1A03	RPER71H821K2P1A03B	820	10%	.20	.15	.14	.113
81-RPER71102K2P1A03B	RPER71H102K2P1A03B	1000	10%	.20	.15	.14	.109
81-RPER71H122K2P1A03	RPER71H122K2P1A03B	1200	10%	.20	.15	.14	.123
81-RPER71152K2P1A03B	RPER71H152K2P1A03B	1500	10%	.20	.15	.14	.112
81-RPER71H182K2P1A03	RPER71H182K2P1A03B	1800	10%	.20	.15	.14	.123
81-RPER71222K2P1A03B	RPER71H222K2P1A03B	2200	10%	.20	.15	.14	.109
81-RPER71H272K2P1A03	RPER71H272K2P1A03B	2700	10%	.20	.15	.14	.124
81-RPER71332K2P1A03B	RPER71H332K2P1A03B	3300	10%	.20	.15	.14	.113
81-RPER71H392K2P1A03	RPER71H392K2P1A03B	3900	10%	.20	.15	.14	.124

For quantities of 1000 and up, call for quote.

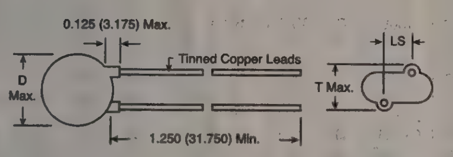
MOUSER STOCK NO.	Murata Part No.	Value (pF)	Tol. ±	Price Each			
				1	50	100	500
X7R 50 Volts (Cont.)							
81-RPER71472K2P1A03B	RPER71H472K2P1A03B	4700	10%	.20	.15	.14	.111
81-RPER71H562K2P1A03	RPER71H562K2P1A03B	5600	10%	.20	.15	.14	.124
81-RPER71682K2P1A03B	RPER71H682K2P1A03B	6800	10%	.20	.15	.14	.113
81-RPER71H103K2P1A03	RPER71H103K2P1A03B	.01μF	10%	.17	.15	.14	.087
81-RPER71153K2P1A03B	RPER71H153K2P1A03B	.015μF	10%	.20	.15	.14	.113
81-RPER71H183K2P1A03	RPER71H183K2P1A03B	.018μF	10%	.20	.15	.14	.124
81-RPER71223K2P1A03B	RPER71H223K2P1A03B	.022μF	10%	.18	.15	.14	.096
81-RPER71333K2P1A03B	RPER71H333K2P1A03B	.033μF	10%	.19	.15	.14	.099
81-RPER71473K2P1A03B	RPER71H473K2P1A03B	.047μF	10%	.20	.15	.14	.105
81-RPER71563K2P1A03B	RPER71H563K2P1A03B	.056μF	10%	.29	.22	.20	.161
81-RPER71H683K2P1A03	RPER71H683K2P1A03B	.068μF	10%	.29	.22	.20	.176
81-RPER71H104K2P1A03	RPER71H104K2P1A03B	.1μF	10%	.16	.12	.099	.086
Z5U 50 Volt							
81-RPEE41H102M2P1A03	RPEE41H102M2P1A03B	1000	20%	.20	.15	.14	.121
81-RPEE41H222M2P1A03	RPEE41H222M2P1A03B	2200	20%	.20	.15	.14	.124
81-RPEE41H332M2P1A03	RPEE41H332M2P1A03B	3300	20%	.20	.15	.14	.125
81-RPEE41H472M2P1A03	RPEE41H472M2P1A03B	4700	20%	.20	.15	.14	.125
81-RPEE41103M2P1A03B	RPEE41H103M2P1A03B	.01μF	20%	.18	.15	.14	.092
81-RPEE41223M2P1A03B	RPEE41H223M2P1A03B	.022μF	20%	.18	.15	.14	.094
81-RPEE41H333M2P1A03	RPEE41H333M2P1A03B	.033μF	20%	.20	.15	.14	.13
81-RPEE41473M2P1A03B	RPEE41H473M2P1A03B	.047μF	20%	.18	.15	.14	.094
81-RPE131Z104M50	RPEE41H104M2P1A03B	.1μF	20%	.11	.09	.07	.059
COG 100 Volts							
81-RPE5CA1R0C2P1B03B	RPE5C2A1R0C2P1B03B	1.0	.25pF	.26	.21	.19	.149
81-RPE5C2A1R2C2P1B03	RPE5C2A1R2C2P1B03B	1.2	.25pF	.26	.21	.19	.164
81-RPE5C2A1R5C2P1B03	RPE5C2A1R5C2P1B03B	1.5	.25pF	.26	.21	.19	.164
81-RPE5C2A1R8C2P1B03	RPE5C2A1R8C2P1B03B	1.8	.25pF	.26	.21	.19	.164
81-RPE5CA2R0C2P1B03B	RPE5C2A2R0C2P1B03B	2.0	.25pF	.26	.21	.19	.149
81-RPE5C2A2R2C2P1B03	RPE5C2A2R2C2P1B03B	2.2	.25pF	.26	.21	.19	.164
81-RPE5C2A2R7C2P1B03	RPE5C2A2R7C2P1B03B	2.7	.25pF	.26	.21	.19	.164
81-RPE5CA3R0C2P1B03B	RPE5C2A3R0C2P1B03B	3.0	.25pF	.26	.21	.19	.149
81-RPE5C2A3R3C2P1B03	RPE5C2A3R3C2P1B03B	3.3	.25pF	.26	.21	.19	.164
81-RPE5C2A3R6C2P1B03	RPE5C2A3R6C2P1B03B	3.6	.25pF	.26	.21	.19	.164
81-RPE5C2A3R9C2P1B03	RPE5C2A3R9C2P1B03B	3.9	.25pF	.26	.21	.19	.164
81-RPE5C2A4R7C2P1B03	RPE5C2A4R7C2P1B03B	4.7	.25pF	.26	.21	.19	.164
81-RPE5CA5R0C2P1B03B	RPE5C2A5R0C2P1B03B	5.0	.25pF	.26	.21	.19	.149
81-RPE5C2A5R6C2P1B03	RPE5C2A5R6C2P1B03B	5.6	.25pF	.31	.25	.23	.193
81-RPE5C2A6R2C2P1B03	RPE5C2A6R2C2P1B03B	6.2	.25pF	.31	.25	.23	.193
81-RPE5C2A6R8C2P1B03	RPE5C2A6R8C2P1B03B	6.8	.25pF	.31	.25	.23	.193
81-RPE5CA100J2P1Z03B	RPE5C2A100J2P1Z03B	10	5%	.31	.25	.23	.181
81-RPE5C2A110J2P1Z03	RPE5C2A110J2P1Z03B	11	5%	.26	.21	.19	.164
81-RPE5C2A120J2P1Z03	RPE5C2A120J2P1Z03B	12	5%	.26	.21	.19	.164
81-RPE5C2A130J2P1Z03	RPE5C2A130J2P1Z03B	13	5%	.26	.21	.19	.164
81-RPE5CA150J2P1Z03B	RPE5C2A150J2P1Z03B	15	5%	.26	.21	.19	.149
81-RPE5C2A160J2P1Z03	RPE5C2A160J2P1Z03B	16	5%	.26	.21	.19	.164
81-RPE5CA180J2P1Z03B	RPE5C2A180J2P1Z03B	18	5%	.26	.21	.19	.149
81-RPE5C2A200J2P1Z03	RPE5C2A200J2P1Z03B	20	5%	.26	.21	.19	.164
81-RPE5CA220J2P1Z03B	RPE5C2A220J2P1Z03B	22	5%	.26	.21	.19	.149
81-RPE5C2A240J2P1Z03	RPE5C2A240J2P1Z03B	24	5%	.26	.21	.19	.164
81-RPE5CA270J2P1Z03B	RPE5C2A270J2P1Z03B	27	5%	.26	.21	.19	.149
81-RPE5C2A300J2P1Z03	RPE5C2A300J2P1Z03B	30	5%	.26	.21	.19	.164
81-RPE5CA330J2P1Z03B	RPE5C2A330J2P1Z03B	33	5%	.26	.21	.19	.149
81-RPE5CA390J2P1Z03B	RPE5C2A390J2P1Z03B	39	5%	.26	.21	.19	.149
81-RPE5C2A430J2P1Z03	RPE5C2A430J2P1Z03B	43	5%	.26	.21	.19	.164
81-RPE5CA470J2P1Z03B	RPE5C2A470J2P1Z03B	47	5%	.26	.21	.19	.149
81-RPE5C2A560J2P1Z03	RPE5C2A560J2P1Z03B	56	5%	.26	.21	.19	.164
81-RPE5C2A750J2P1Z03	RPE5C2A750J2P1Z03B	75	5%	.26	.21	.19	.164
81-RPE5C2A820J2P1Z03	RPE5C2A820J2P1Z03B	82	5%	.26	.21	.19	.164
81-RPE5C2A910J2P1Z03	RPE5C2A910J2P1Z03B	91	5%	.26	.21	.19	.164
81-RPE5CA101J2P1Z03B	RPE5C2A101J2P1Z03B	100	5%	.26	.21	.19	.18
81-RPE5C2A121J2P1Z03	RPE5C2A121J2P1Z03B	120	5%	.26	.21	.19	.164
81-RPE5C2A151J2P1Z03	RPE5C2A151J2P1Z03B	150	5%	.26	.21	.19	.164
81-RPE5CA181J2P1Z03B	RPE5C2A181J2P1Z03B	180	5%	.26	.21	.19	.149
81-RPE5C2A201J2P1Z03	RPE5C2A201J2P1Z03B	200	5%	.26	.21	.19	.164
81-RPE5C2A221J2P1Z03	RPE5C2A221J2P1Z03B	220	5%	.26	.21	.19	.164
81-RPE5CA271J2P1Z03B	RPE5C2A271J2P1Z03B	270	5%	.26	.21	.19	.149
81-RPE5C2A301J2P1Z03	RPE5C2A301J2P1Z03B	300	5%	.29	.23	.21	.171
81-RPE5C2A331J2P1Z03	RPE5C2A331J2P1Z03B	330	5%	.29	.23	.21	.171
81-RPE5C2A391J2P1Z03	RPE5C2A391J2P1Z03B	390	5%	.29	.23	.21	.171
81-RPE5C2A431J2P1Z03	RPE5C2A431J2P1Z03B	430	5%	.30	.24	.22	.179
81-RPE5C2A471J2P1Z03	RPE5C2A471J2P1Z03B	470	5%	.30	.24	.22	.179
81-RPE5CA561J2P1B03B	RPE5C2A561J2P1B03B	560	5%	.30	.228	.18	.163
81-RPE5C2A681J2P1B03	RPE5C2A681J2P1B03B	680	5%	.30	.24	.22	.20
81-RPE5C2A751J2P1B03	RPE5C2A751J2P1B03B	750	5%	.30	.24	.22	.20
81-RPE5CA821J2P1B03B	RPE5C2A821J2P1B03B	820	5%	.30	.24	.22	.183
81-RPE5CA102J2P1B03B	RPE5C2A102J2P1B03B	1000	5%	.35	.28	.26	.24
X7R 100 Volts							
81-RPER72A221K2P1B03	RPER72A221K2P1B03B	220	10%	.23	.18	.17	.149
81-RPER72A271K2P1B03	RPER72A271K2P1B03B	270	10%	.23	.18	.17	.16
81-RPER72331K2P1B03B	RPER72A331K2P1B03B	330	10%	.23	.18	.17	.149
81-RPER72471K2P1B03B	RPER72A471K2P1B03B	470	10%	.23	.18	.17	.149
81-RPER72681K2P1B03B	RPER72A681K2P1B03B	680	10%	.23	.18	.17	.149
81-RPER72A821K2P1B03	RPER72A821K2P1B03B	820	10%	.23	.18	.17	.16
81-RPER72A102K2P1A03	RPER72A102K2P1A03B	1000	10%	.21	.17	.16	.134
81-RPER72A122K2P1A03	RPER72A122K2P1A03B	1200	10%	.21	.17	.16	.137
81-RPER72A152K2P1A03	RPER72A152K2P1A03B	1500	10%	.21	.17	.16	.137
81-RPER72A182K2P1A03	RPER72A182K2P1A03B	1800	10%	.21	.17	.16	.137
81-RPER72A222K2P1A03	RPER72A222K2P1A03B	2200	10%	.21	.17	.16	.134
81-RPER72A272K2P1A03	RPER72A272K2P1A03B	2700	10%	.21	.17	.16	.137
81-RPER72A332K2P1A03	RPER72A332K2P1A03B	3300	10%	.21	.17	.16	.137
81-RPER72A472K2P1A03	RPER72A472K2P1A03B	4700	10%	.21	.17	.16	.134
81-RPER72A562K2P1B03	RPER72A562K2P1B03B	5600	10%	.29	.23	.21	.19
81-RPER72A822K2P1B03	RPER72A822K2P1B03B	8200	10%	.29	.23	.21	.19
81-RPER72A123K2P1B03	RPER72A123K2P1B03B	.012μF	10%	.29	.23	.21	.19
Z5U 100 Volts							
81-RPEE42A332M2P1B03	RPEE42A332M2P1B03B	3300	20%	.40	.32	.30	.272
81-RPEE42472M2P1B03B	RPEE42A472M2P1B03B	4700	20%	.40	.32	.30	.272
81-RPEE42A682M2P1B03	RPEE42A682M2P1B03B	6800	20%	.40	.32	.30	.253
81-RPEE42103M2P1B03B	RPEE42A103M2P1B03B	.01μF	20%	.40	.32	.30	.241
81-RPEE42A153M2P1B03	RPEE42A153M2P1B03B	.015μF	20%	.40	.32	.30	.265

SPRAGUE 125L AND 440L SERIES: AC LINE RATED DISC CAPACITORS

Line By-Pass and Antenna Coupling Types, X and Y EMI/RFI Filter

LEAD-FREE RoHS Compliant

DIMENSIONS: In. (mm)



Case Code	Diameter (Max.)	Lead Spacing
D	.365 (9.3)	.378 (9.5)
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
G3	.460 (11.5)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
W	.740 (18.5)	.375 (9.4)
X	.830 (20.8)	.375 (9.4)
Y	.940 (23.5)	.375 (9.4)

PERFORMANCE DATA

Test	125L	440L
Continuous Voltage Rating	250VAC,2kVDC	250VAC,4kVDC
Dielectric Strength	2000VAC,4kVDC	3500VAC,7kVDC
Dissipation Factor (@ + 25°C)	1.50%	1.00%
Case Breakdown/Flammability	2500 VAC; UL94v0; + 105 C	
Temperature Characteristic (See Notes 1 and 2 below)	Z5U/Y5V	X5F Y5U/Z5U
Insulation Resistance (Min.)	1000Ω F	1000Ω F

Notes:

1. Permissible change with temperature: Y Type: +20%, -55% (reference 20°C); X Type: +20%, -80%.
2. TC Class refers to ceramic classification. 125L are Class III, Y5V. 440L K tolerance are ClassII, other 440L cases are Class III.

250 VAC, 2k VDC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each 1	10	25	50
75—	125LD10-R	1000	F	Y5V	20%	.61	.56	.46	.42
75—	125LD22-R	2200	E	Y5V	20%	.51	.46	.39	.35
75—	125LD47-R	4700	H	Y5V	20%	1.30	1.18	.98	.89
75—	125LD50-R	5000	H3	Y5V	20%	.78	.71	.59	.53
75—	125LD68-R	6800	L	Y5V	20%	.88	.80	.67	.60
75—	125LS10-R	.01μF	L	Y5V	20%	.90	.82	.68	.61
75—	125LS20-R	.02μF	W	Y5V	20%	2.16	1.97	1.64	1.47
75—	125LS30-R	.03μF	X	Y5V	20%	2.16	1.97	1.64	1.47
75—	125LS50-R	.05μF	Y	Y5V	20%	3.50	3.10	2.80	2.60

250/500 VAC, 4000 Vrms

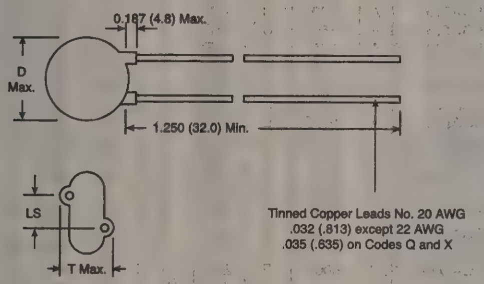
For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each 1	10	25	50
75—	440LT22-R	220	E	X7R	10%	.61	.56	.46	.42
75—	440LT33-R	330	F	X7R	10%	.61	.56	.46	.42
75—	440LT47-R	470	E	Y5U	20%	.61	.56	.46	.42
75—	440LD10-R	1000	G3	Y5U	20%	.68	.62	.52	.46
75—	440LD15-R	1500	D	Y5U	20%	.68	.62	.52	.46
75—	440LD22-R	2200	G3	Y5U	20%	.78	.71	.59	.53
75—	440LD33-R	3300	J	Y5U	20%	.92	.84	.70	.63
75—	440LD47-R	4700	L	Y5U	20%	1.23	1.12	.93	.84
75—	440LS10-R	0.01μF	P	Y5U	20%	2.36	2.15	1.79	1.61

SPRAGUE 564 SERIES: HIGH VOLTAGE DISC CAPACITORS

LEAD-FREE RoHS Compliant

DIMENSIONS: In. (mm)


0.187 (4.8) Max.
D Max.
1.250 (32.0) Min.
LS
T Max.
Tinned Copper Leads No. 20 AWG
.032 (.813) except 22 AWG
.035 (.635) on Codes Q and X

Case Code	Diameter (Max.)	Lead Spacing
E	.330 (8.3)	.250 (6.3)
F	.400 (10.0)	.250 (6.3)
F3	.400 (10.0)	.375 (9.4)
H	.530 (13.3)	.250 (6.3)
H3	.530 (13.3)	.375 (9.4)
J	.620 (15.5)	.375 (9.4)
L	.720 (18.0)	.375 (9.4)
M	.790 (19.8)	.375 (9.4)
P	.900 (22.5)	.375 (9.4)
Q	.950 (24.1)	.375 (9.4)

3K Volt, 10% and 20% Tolerance

Features:

- Application Range: Up to 4000 VDC, 1000 VRMS
- Insulation Resistance: 50,000 MΩ minimum
- Disipation Factor: 2.0% maximum
- Dielectric Strength: 5,250 VDC, 1500 VRMS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Value (pF)	Case Code	Temp. Char.	Tol.	Price Each 1	10	25	50
75—	564R30GAQ10	10	E	U2J	20%	.57	.55	.51	.44
75—	564R30GAQ33	33	E	R3L	20%	.52	.46	.45	.43
75—	564R30GAT10	100	E	X5F	20%	.52	.46	.45	.43
75—	564R30GAT15	150	E	X5F	20%	.52	.46	.45	.43
75—	564R30GAT22	220	E	X5F	20%	.52	.46	.45	.43
75—	564R30GAT27	270	E	X5F	20%	.52	.46	.45	.43
75—	564R30GAT33	330	E	X7R	20%	.52	.46	.45	.43
75—	564R30GAT39	390	E	X7R	20%	.52	.46	.45	.43
75—	564R30GAT47	470	E	X5S	20%	.52	.46	.45	.43
75—	564R30GAT68	680	E	Y5U	20%	.52	.46	.45	.43
75—	564R30GAD10	1000	E	Z5U	20%	.52	.46	.45	.43
75—	564R30GAD15	1500	E	Z5U	20%	.58	.52	.50	.48
75—	564R30GAD22	2200	F	Z5U	20%	.67	.59	.57	.55
75—	564R30GAD33	3300	H	Z5U	20%	.72	.65	.62	.59
75—	564R30GAD47	4700	J	Z5U	20%	1.49	1.33	1.27	1.22
75—	564R30TSD47	4700	L	X7R	20%	1.19	1.06	1.02	.97
75—	564R30GAD68	6800	L	Z5U	20%	1.08	.95	.74	.61
75—	564R30GAD82	8200	M	Z5U	20%	1.66	1.45	1.14	.93
75—	564R30GAS10	0.01μF	M	Z5U	20%	1.05	.94	.90	.87
75—	564R30GASS10	0.01μF	L	Y5V	20%	1.05	.94	.90	.87
75—	564R30GASS20	.02μF	X	Z5U	20%	3.11	2.72	2.14	1.75
75—	564R30GASS33	0.033μF	Q	Z5U	20%	3.22	2.87	2.76	2.64

6K Volt, 20% Tolerance

Features:

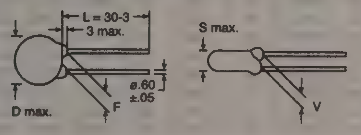
- Application Range: Up to 60,000 VDC, 1500 VRMS
- Insulation Resistance: 75,000 MΩ minimum
- Disipation Factor: 2.0% maximum
- Dielectric Strength: 10,500 VDC, 3000 VRMS

Mfr.	Mfr. Part No.	Value (pF)	Case Code	Temp. Char.	Tol.	1	10	25	50
75—	564R60GAQ10	10	F3	NPO	20%	.72	.65	.62	.59
75—	564R60GAQ33	33	F3	R3L	20%	.72	.65	.62	.59
75—	564R30GAQ47	47	E	X5F	20%	.52	.46	.45	.43
75—	564R60GAS10	0.01μF	P	Z5U	20%	2.54	2.27	2.18	2.09
75—	564R60GAT10	100	F3	X5F	20%	1.49	1.33	1.27	1.22
75—	564R60GAT33	330	F3	X5S	20%	.72	.65	.62	.59
75—	564R60GAD10	1000	F3	Z5U	20%	.72	.65	.62	.59
75—	564R60GAD22	2200	H3	Z5U	20%	.93	.83	.79	.76
75—	564R60GAD47	4700	M	Z5U	20%	2.16	1.93	1.85	1.78

ROEDERSTEIN WYO SERIES: CERAMIC AC CAPACITORS CLASS X1, 440VAC / CLASS Y2, 250VAC

For quantities of 500 and up, call for quote.

DIMENSIONS: mm



Specifications:

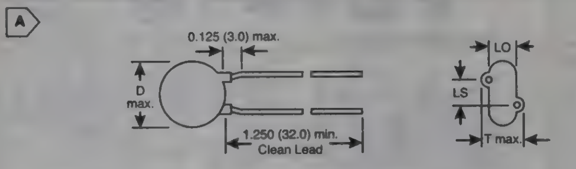
- Design: ceramic disc with epoxy coating
- Rated voltage: 250VAC: 50/60Hz (Y2); 440VAC: 50Hz (X1)
- Coating: epoxy, dipped, insulating, flame retarding (UL 94V0)
- Approvals: IEC 60384-14/2, UL 1414, CSA C 22.2

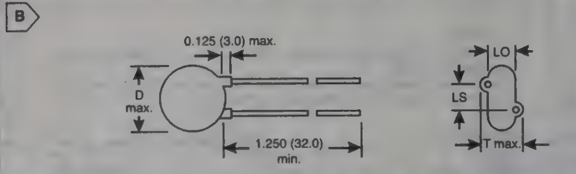
LEAD-FREE RoHS Compliant

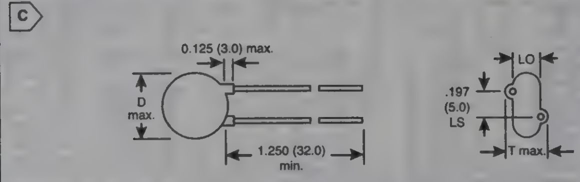
MOUSER STOCK NO.	Value (pF)	Dimensions (mm) F ± 1	V ± .50	D	S	Price Each 1	50	100
75-WYO102MCMBF0KR	1000	5	1.4	6.5	4.5	.26	.23	.20
75-WYO222MCMBF0KR	2200	5	1.4	9.0	4.5	.32	.27	.24
75-WYO252MCMBF0KR	2500	5	1.4	9.0	4.5	.32	.27	.24
75-WYO332MCMCF0KR	3300	7.5	1.4	10.0	4.5	.46	.38	.34
75-WYO472MCMBF0KR	4700	7.5	1.4	12.0	4.5	.46	.38	.34
75-WYO472MCMCF0KR	4700	7.5	1.4	12.0	4.5	.46	.38	.34
75-WYO103MCMCF0KR	0.01μF	7.5	1.6	21.0	4.5	1.18	1.03	.91
75-WYO123MCMCF0KR	0.012μF	7.5	1.6	21.0	4.5	1.20	1.05	.93

VISHAY / SPRAGUE Ceramic Capacitors

DIMENSIONS: in. (mm)







Case Code	Diameter (Max.)	Thickness (Max.)	Lead Space
C	.250 (6.3)	.156 (4.0)	.250 (6.3)
E	.290 (7.4)	.156 (4.0)	.250 (6.3)
F	.370 (9.4)	.156 (4.0)	.250 (6.3)
G	.440 (11.2)	.156 (4.0)	.250 (6.3)
H	.490 (12.4)	.156 (4.0)	.250 (6.3)
H3	.490 (12.4)	.156 (4.0)	.375 (9.5)
J	.560 (14.2)	.156 (4.0)	.375 (9.5)
K	.630 (16.0)	.156 (4.0)	.375 (9.5)

Case Code	Diameter (Max.)	Thickness (Max.)	Lead Space
L	.680 (17.3)	.156 (4.0)	.375 (9.5)
M	.760 (19.3)	.156 (4.0)	.375 (9.5)
P	.890 (22.6)	.156 (4.0)	.375 (9.5)
R	.510 (12.6)	.200 (5.1)	.250 (6.3)
T	.580 (14.7)	.200 (5.1)	.375 (9.5)
U	.640 (16.3)	.200 (5.1)	.375 (9.5)
W	.700 (17.8)	.200 (5.1)	.375 (9.5)
X	.770 (19.6)	.200 (5.1)	.375 (9.5)
Q	.950 (24.1)	.200 (5.1)	.375 (9.5)

Voltage Class	Lead Offset "LO" (nom)	
	In.	mm
100	.040	1.0
500	.040	1.0
1000	.050	1.3

RoHS Compliant

LEAD-FREE

SPRAGUE 561C SERIES PRECISION DISC CAPACITORS 1KV NPO/N750; 5% TOLERANCE

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Case Code	Price Each				
Mfr.	Mfr. Part No.				1	10	25	50	100
75—	561R10TCCV22	A	2.2	C	.57	.55	.51	.44	.33
75—	561R10TCCV27	A	2.7	C	.57	.55	.51	.44	.33
75—	561R10TCCV33	A	3.3	C	.57	.55	.51	.44	.33
75—	561R10TCCV39	A	3.9	C	.57	.55	.51	.44	.33
75—	561R10TCCV47	A	4.7	C	.57	.55	.51	.44	.33
75—	561R10TCCV50	A	5	C	.57	.55	.51	.44	.33
75—	561R10TCCV68	A	6.8	C	.58	.55	.52	.44	.33
75—	561R10TCCQ10	A	10	C	.57	.55	.51	.44	.33
75—	561R10TCCQ12	A	12	C	.57	.55	.51	.44	.33
75—	561R10TCCQ15	A	15	C	.57	.55	.51	.44	.33
75—	561R10TCCQ18	A	18	E	.55	.52	.49	.42	.31
75—	561R10TCCQ20	A	20	E	.54	.52	.48	.41	.31
75—	561R10TCCQ22	A	22	E	.54	.52	.48	.41	.31
75—	561R10TCCQ25	A	25	E	.54	.52	.48	.41	.31
75—	561R10TCCQ27	A	27	F	.54	.52	.48	.41	.31
75—	561R10TCCQ30	A	30	F	.54	.52	.48	.41	.31
75—	561R10TCCQ33	A	33	F	.54	.52	.48	.41	.31
75—	561R10TCCQ39	A	39	F	.54	.52	.48	.41	.31
75—	561R10TCCQ47	B	47	G	.65	.61	.57	.49	.38
75—	561R10TCCQ50	B	50	G	.64	.61	.57	.49	.37
75—	561R10TCCQ56	B	56	G	.65	.61	.57	.49	.38
75—	561R10TCCQ68	B	68	H	.77	.73	.68	.58	.44
75—	561R10TCCQ82	B	82	H3	.77	.73	.68	.60	.53
75—	561R10TCCT10	B	100	J	.68	.64	.60	.52	.39
75—	561R10TCCT12	B	120	J	.68	.64	.60	.52	.39
75—	561R10TCCT15	B	150	K	.96	.91	.85	.73	.55
75—	561R10TCCT18	B	180	L	1.02	.97	.91	.78	.58
75—	561R10TCCT22	B	220	M	1.12	1.06	.99	.85	.64

SPRAGUE 562C SERIES CERAMIC DISC CAPACITORS

100 VDC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Case Code	Temp. Coeff.	Tol. ± (%)	Price Each				
Mfr.	Mfr. Part No.						1	10	25	50	100
75—	562RTST10	C	100	C	X7R	10	.54	.52	.48	.41	.31
75—	562RTST47	C	470	C	X7R	10	.54	.52	.48	.41	.31
75—	562RTSD10	C	1000	C	X7R	10	.54	.52	.48	.41	.31
75—	562RTSD22	C	2200	F	X7R	10	.68	.65	.60	.52	.39
75—	562RTSD33	C	3300	F	X7R	10	.54	.52	.47	.39	.36
75—	562RTSD47	C	4700	E	X7S	10	.70	.67	.62	.54	.40
75—	565RTSS10	C	0.1µF	J	X7S	10	1.08	.94	.74	.61	.54
75—	562RTGD50	B	.005µF	E	Z5U	20	.76	.66	.52	.43	.38
75—	562RTGS20	B	0.02µF	G	Z5U	20	.62	.59	.55	.48	.36
75—	565RTGS50	B	0.05µF	R	Z5U	20	2.76	2.63	2.45	2.10	1.58
75—	565RTGP10	B	0.1µF	W	Z5U	20	2.51	2.39	2.23	1.91	1.43

500 VDC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Case Code	Temp. Coeff.	Tol. ± (%)	Price Each				
Mfr.	Mfr. Part No.						1	10	25	50	100
75—	562R5TSD10	A	1000	E	X7R	10	.54	.52	.48	.41	.31
75—	562R5TSD33	B	3300	G	X7R	10	.54	.52	.48	.41	.31
75—	562R5TSD47	B	4700	H	X7R	10	.60	.58	.54	.50	.46
75—	562R5TSS10	B	0.01µF	J	X7S	10	.68	.65	.60	.52	.39
75—	562R5GASS10	B	0.01µF	G	Z5U	20	.43	.41	.38	.32	.24
75—	562R5HKSS10	B	0.01µF	G	Z5U	-20/+80	.48	.46	.43	.37	.28
75—	562R5GASS20	B	0.02µF	J	Z5U	20	.68	.65	.60	.52	.39
75—	562R5GAS50	B	0.05µF	P	Z5U	20	1.05	1.00	.93	.80	.60
75—	565R5HKS50	B	0.05µF	T	Z5U	-20/+80	1.56	1.49	1.39	1.19	.89
75—	565R5GAP10	B	0.1µF	X	Z5U	20	1.88	1.79	1.67	1.43	1.07
75—	565R5HKP10	B	0.1µF	X	Z5U	-20/+80	2.01	1.91	1.78	1.53	1.15

1000 VDC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Case Code	Temp. Coeff.	Tol. ± (%)	Price Each				
Mfr.	Mfr. Part No.						1	10	25	50	100
75—	562R5GAQ10	A	10	C	NP0	20	.57	.55	.51	.44	.33
75—	561R5GAQ20	A	20	C	NP0	20	.57	.55	.51	.44	.33
75—	562R5GAQ33	A	33	E	U2J	20	.54	.52	.48	.41	.31
75—	561R5GAQ47	A	47	E	U2J	20	.54	.52	.48	.41	.31
75—	562R5GAT10	A	100	C	X5F	20	.54	.52	.48	.41	.31
75—	562R5GAT15	A	150	C	X5F	20	.54	.52	.48	.41	.31
75—	562R5GAT22	A	220	C	X5F	20	.54	.52	.48	.41	.31
75—	562R5GAT33	A	330	C	X5F	20	.54	.52	.48	.41	.31
75—	562R5GAT47	A	470	C	X5F	20	.54	.52	.48	.41	.31
75—	562R5GAT50	A	500	C	X5F	20	.54	.52	.48	.41	.31
75—	562R5GAD10	A	1000	E	X7R	20	.49	.47	.43	.37	.28
75—	562R5HKD10	A	1000	E	Y5U	100	.54	.52	.48	.41	.31
75—	562R5GAD15	A	1500	E	Z5U	20	.54	.52	.48	.41	.31
75—	562R5GAD20	A	2000	E	Z5U	20	.54	.52	.48	.41	.31
75—	562R5GAD22	A	2200	E	Z5U	20	.54	.52	.47	.39	.35
75—	562R5GAD30	A	3000	E	Z5U	20	.54	.52	.48	.41	.31
75—	562R5GAD33	A	3300	E	Z5U	20	.54	.52	.48	.41	.31
75—	562R5GAD47	B	4700	F	Z5U	20	.45	.43	.40	.34	.26
75—	562R5GAD50	B	5000	F	Z5U	20	.40	.38	.35	.30	.23
75—	562R5GAD68	B	6800	G	Z5U	20	.48	.46	.43	.37	.28
75—	562R5GAS10	B	0.01µF	H3	Z5U	20	.57	.55	.50	.41	.33
75—	562R5HKMS10	B	0.01µF	H	Z5U	20	.54	.51	.48	.41	.31
75—	562R5HKS10	B	0.01µF	H3	Z5U	100	.54	.51	.48	.41	.31
75—	562R5GAS15	B	0.015µF	J	Z5U	20	.68	.65	.60	.52	.39
75—	562R5GAS20	B	0.02µF	L	Z5U	20	.77	.73	.68	.58	.44
75—	562R10HKS50	B	0.05µF	X	Z5U	20	1.87	1.78	1.66	1.43	1.07
75—	565R10GAP10	B	0.1µF	Q	Z5U	20	2.40	2.29	2.1[illegible]	1.83	1.37

1K VDC - Temperature and Voltage Stabilized

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Fig.	Value (pF)	Case Code	Temp. Coeff.	Tol. ± (%)	Price Each				
Mfr.	Mfr. Part No.						1	10	25	50	100
75—	561R10TSQ10	A	10	C	NP0	10	.57	.55	.51	.44	.33
75—	562R10TSQ33	A	33	E	U2J	10	.54	.52	.48	.41	.31
75—	561R10TSQ47	A	47	E	U2J	10	.54	.52	.47	.42	.40
75—	562R10TST10	A	100	C	X5F	10	.54	.52	.48	.41	.31
75—	562R10TST15	A	150	C	X5F	10	.54	.52	.48	.41	.31
75—	562R10TST22	A	220	C	X5F	10	.54	.52	.48	.41	.31
75—	562R10TST27	A	270	C	X5F	10	.54	.52	.48	.41	.31
75—	562R10TST33	A	330	C	X5F	10	.54	.52	.47	.39	.34
75—	562R10TST47	A	470	C	X5F	10	.54	.52	.48	.41	.31
75—	562R10TST50	A	500	C	X5F	10	.54	.52	.48	.41	.31
75—	562R10TST68	A	680	E	X5F	10	.54	.52	.48	.41	.31
75—	562R10TSD10	A	1000	E	X5F	10	.54	.52	.48	.41	.31
75—	562R10TSD15	B	1500	G	X5F	10	.54	.52	.48	.41	.31
75—	562R10TSD20	B	2000	H3	X5F	10	.60	.58	.54	.46	.40
75—	562R10TSD47	B	4700	L	X5F	10	1.08	.94	.74	.61	.54
75—	562R10TSS10	B	0.01µF	K	X5S	10	.77	.73	.68	.58	.44

XICON Ceramic Disc Capacitors

RoHS Compliant This page of product is compliant.

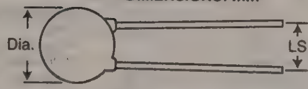
XICON EIA CLASS 1 TEMPERATURE COMPENSATING

SL Specifications:
- Temperature coefficient: -700 + 350 ppm
- Temperature range: -55°C to +85°C

NPO Specifications:
- Temperature coefficient: ±30 ppm
- Temperature range: -55°C to +85°C

Features:
- Meets EIA standards
- Linear temperature coefficient
- Temperature stable
- Wide frequency range

DIMENSIONS: mm



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	200	400
50 VDC, Temp. Coef.: SL, Tol.: ±5%						
140-50S2-470J-RC	47	5.0	2.5	.07	.029	.026
140-50S2-510J-RC	51	5.0	2.5	.05	.029	.026
140-50S2-560J-RC	56	5.0	2.5	.05	.029	.026
140-50S2-680J-RC	68	5.0	2.5	.07	.029	.026
140-50S2-750J-RC	75	5.0	2.5	.05	.029	.026
140-50S2-820J-RC	82	5.0	2.5	.05	.029	.026
140-50S2-910J-RC	91	5.0	2.5	.05	.029	.026
140-50S5-101J-RC	100	5.0	5.0	.05	.029	.026
140-50S2-121J-RC	120	5.0	2.5	.05	.029	.026
140-50S5-121J-RC	120	5.0	5.0	.05	.029	.026
140-50S5-131J-RC	130	5.0	5.0	.07	.029	.026
140-50S2-151J-RC	150	5.0	2.5	.05	.029	.026
140-50S5-151J-RC	150	5.0	5.0	.07	.029	.026
140-50S5-181J-RC	180	6.0	5.0	.06	.045	.036
140-50S5-201J-RC	200	6.0	5.0	.06	.045	.036
140-50S5-221J-RC	220	8.0	5.0	.06	.045	.036
140-50S5-241J-RC	240	7.5	5.0	.06	.045	.036
140-50S5-271J-RC	270	7.5	5.0	.06	.045	.036
140-50S5-301J-RC	300	7.5	5.0	.06	.045	.036
140-50S5-331J-RC	330	7.5	5.0	.07	.055	.042
140-50S5-391J-RC	390	8.5	5.0	.08	.065	.048
140-50S5-471J-RC	470	8.0	5.0	.08	.065	.048
140-50S5-561J-RC	560	9.5	5.0	.09	.07	.053
140-50S5-681J-RC	680	9.5	5.0	.09	.07	.053
140-50S5-821J-RC	820	9.5	5.0	.09	.07	.053
140-50S9-102J-RC	1000	12.5	9.5	.14	.12	.091
50 VDC, Temp. Coef.: NPO, Tol.: ±5%						
140-50N5-1R0D-RC	1.0	5.0	5.0	.06	.032	.029
140-50N5-2R2D-RC	2.2	5.0	5.0	.06	.032	.029
140-50N5-4R7D-RC	4.7	5.0	5.0	.06	.032	.029
140-50N5-100J-RC	10	5.0	5.0	.06	.032	.029
140-50N5-120J-RC	12	5.0	5.0	.06	.032	.029
140-50N2-150J-RC	15	5.0	2.5	.06	.032	.029
140-50N2-180J-RC	18	5.0	2.5	.06	.032	.029
140-50N5-200J-RC	20	5.0	5.0	.06	.032	.029
140-50N5-220J-RC	22	5.0	5.0	.06	.032	.029
140-50N2-220J-RC	22	5.0	2.5	.06	.032	.029
140-50N2-270J-RC	27	5.0	2.5	.07	.032	.029
140-50N5-300J-RC	30	5.0	5.0	.06	.032	.029

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	200	400
50 VDC, Temp. Coef.: NPO, Tol.: ±5% (cont.)						
140-50N5-330J-RC	33	5.0	5.0	.06	.032	.029
140-50N2-390J-RC	39	5.0	2.5	.06	.032	.029
140-50N5-470J-RC	47	5.0	5.0	.06	.032	.029
140-50N5-510J-RC	51	6.0	5.0	.06	.032	.029
140-50N2-560J-RC	56	6.0	2.5	.06	.032	.029
140-50N2-680J-RC	68	6.0	2.5	.07	.038	.034
140-50N2-820J-RC	82	7.5	2.5	.07	.038	.034
140-50N5-101J-RC	100	7.5	5.0	.08	.045	.038
140-50N5-121J-RC	120	8.5	5.0	.08	.045	.038
140-50N5-151J-RC	150	8.5	5.0	.10	.056	.045
140-50N5-181J-RC	180	9.5	5.0	.12	.065	.054
140-50N5-221J-RC	220	10.5	5.0	.12	.065	.054
140-50N5-271J-RC	270	10.5	5.0	.12	.065	.054
100 VDC, Temp. Coef.: NPO, Tol.: ±5%						
140-100N2-1R0D-RC	1	5.0	2.5	.07	.041	.037
140-100N2-2R2D-RC	2.2	5.0	2.5	.07	.041	.037
140-100N2-4R7D-RC	4.7	5.0	2.5	.07	.041	.037
140-100N2-100J-RC	10	5.0	2.5	.09	.041	.037
140-100N2-150J-RC	15	5.0	2.5	.07	.041	.037
140-100N2-200J-RC	20	5.0	2.5	.07	.041	.037
140-100N5-220J-RC	22	5.0	5.0	.09	.041	.037
140-100N5-270J-RC	27	5.0	5.0	.07	.041	.037
140-100N5-300J-RC	30	5.0	5.0	.07	.041	.037
140-100N5-330J-RC	33	5.0	5.0	.09	.041	.037
140-100N5-390J-RC	39	5.0	5.0	.07	.041	.037
140-100N5-470J-RC	47	5.0	5.0	.07	.041	.037
140-100N5-560J-RC	56	6.0	5.0	.09	.07	.055
140-100N5-680J-RC	68	6.0	5.0	.09	.07	.055
140-100N5-101J-RC	100	7.5	5.0	.15	.11	.085
500 VDC, Temp. Coef.: NPO, Tol.: ±5%						
140-500N2-1R0C-RC	1	6.0	2.5	.08	.07	.05
140-500N2-2R2C-RC	2.2	6.0	2.5	.08	.07	.05
140-500N2-4R7C-RC	4.7	6.0	2.5	.08	.07	.05
140-500N2-5R6D-RC	5.6	6.0	2.5	.08	.07	.05
140-500N2-6R8D-RC	6.8	6.0	2.5	.100	.07	.05
140-500N2-8R2D-RC	8.2	6.0	2.5	.08	.07	.05
140-500N2-100J-RC	10	6.0	2.5	.08	.07	.05
140-500N2-120J-RC	12	6.0	2.5	.08	.07	.05
140-500N5-150J-RC	15	6.0	5.0	.08	.07	.05

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	200	400
500 VDC, Temp. Coef.: NPO, Tol.: ±5% (cont.)						
140-500N5-180J-RC	18	8.0	5.0	.08	.07	.05
140-500N5-200J-RC	20	6.0	5.0	.08	.07	.05
140-500N5-220J-RC	22	6.0	5.0	.08	.07	.05
140-500N5-270J-RC	27	6.0	5.0	.08	.07	.05
140-500N5-330J-RC	33	6.0	5.0	.16	.10	.075
140-500N5-390J-RC	39	7.5	5.0	.12	.10	.075
140-500N5-470J-RC	47	7.5	5.0	.12	.10	.075
140-500N5-560J-RC	56	7.5	5.0	.12	.10	.075
140-500N5-680J-RC	68	7.5	5.0	.12	.10	.075
140-500N5-820J-RC	82	7.5	5.0	.17	.15	.11
140-500N5-101J-RC	100	10.5	5.0	.17	.15	.11
500 VDC, Temp. Coef.: SL, Tol.: ±10%						
140-500S5-470K-RC	47	5.0	5.0	.10	.078	.05
140-500S5-680K-RC	68	5.0	5.0	.10	.078	.05
140-500S5-820K-RC	82	5.0	5.0	.10	.078	.05
140-500S5-101K-RC	100	5.0	5.0	.10	.078	.05
140-500S5-221K-RC	220	7.5	5.0	.15	.13	.10
1000 VDC, Temp. Coef.: NPO, Tol.: ±5%						
140-102N6-100J-RC	10	6.5	6.35	.10	.07	.055
140-102N6-220J-RC	22	6.5	6.35	.10	.07	.055
140-102N6-330J-RC	33	6.5	6.35	.10	.07	.055
1000 VDC, Temp. Coef.: SL, Tol.: ±5%, 10%						
140-102S6-470J-RC	47	6.5	6.35	.10	.07	.063
140-102S6-101J-RC	100	6.5	6.35	.14	.09	.08
140-102S6-101K-RC	100	8.5	6.35	.14	.09	.08
140-102S6-151J-RC	150	8.5	6.35	.16	.11	.085
140-102S6-181J-RC	180	9.5	6.35	.18	.13	.092
140-102S6-221J-RC	220	9.5	6.35	.18	.13	.081
140-102S6-331J-RC	330	9.5	6.35	.23	.17	.105
140-102S6-331K-RC	330	9.5	6.35	.23	.17	.105
140-102S6-471J-RC	470	13	6.35	.23	.17	.105
140-102S6-471K-RC	470	13	6.35	.23	.17	.105
140-102S6-561J-RC	560	13	6.35	.25	.22	.15
140-102S6-681J-RC	680	16	6.35	.25	.22	.15
140-102S9-102J-RC	1000	16	9.5	.31	.28	.18
6000 VDC, Temp. Coef.: SL, Tol.: ±10%						
140-602S9-100K-RC	10	16	9.5	.34	.23	.18
140-602S9-220K-RC	22	12	9.5	.34	.23	.18
140-602S9-101K-RC	100	16	9.5	.72	.47	.40

XICON CLASS 1 AMMO PACK - TAPE AND BOX CERAMIC DISC CAPACITORS

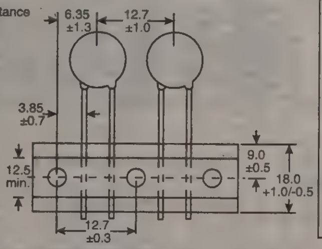
Features:
- Ammo Pack
- Straight Leads are standard
- Formed Leads for board standoffs are available
- Small size; large capacitance

NPO Specifications:
- Temperature Coefficient: ±30 ppm
- Temperature Range: -55°C to +85°C

Tape & Box Package
2000 pieces per box

RoHS Compliant

DIMENSIONS: mm



For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	2000	4000
50 VDC, Temp. Coef.: NP0, Tol.: ± 5%						
140-50N2-2R2C-TB-RC	2.2	5.0	2.5	.06	.021	.017
140-50N2-4R7C-TB-RC	4.7	5.0	2.5	.06	.021	.017
140-50N5-4R7D-TB-RC	4.7	5.0	5.0	.06	.021	.017
140-50N2-100J-TB-RC	10	5.0	2.5	.06	.021	.017
140-50N5-100J-TB-RC	10	5.0	5.0	.06	.021	.017
140-50N2-120J-TB-RC	12	5.0	2.5	.06	.021	.017
140-50N5-120J-TB-RC	12	5.0	5.0	.06	.021	.017
140-50N2-150J-TB-RC	15	5.0	2.5	.06	.021	.017
140-50N5-150J-TB-RC	15	5.0	5.0	.06	.021	.017
140-50N2-180J-TB-RC	18	5.0	2.5	.06	.021	.017
140-50N5-180J-TB-RC	18	5.0	5.0	.06	.021	.017
140-50N2-220J-TB-RC	22	5.0	2.5	.06	.021	.017
140-50N5-220J-TB-RC	22	5.0	5.0	.06	.021	.017
140-50N2-270J-TB-RC	27	5.0	2.5	.06	.021	.017
140-50N5-270J-TB-RC	27	5.0	5.0	.06	.021	.017

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	2000	4000
50 VDC, Temp. Coef.: NP0, Tol.: ± 5%						
140-50N5-330J-TB-RC	33	5.0	5.0	.06	.021	.017
140-50N2-390J-TB-RC	39	5.0	2.5	.06	.021	.017
140-50N5-390J-TB-RC	39	5.0	5.0	.06	.021	.017
140-50N2-470J-TB-RC	47	5.0	2.5	.06	.021	.017
140-50N5-470J-TB-RC	47	5.0	5.0	.06	.021	.017
140-50N2-560J-TB-RC	56	6.0	2.5	.07	.026	.022
140-50N5-560J-TB-RC	56	6.0	5.0	.06	.021	.017
140-50N5-680J-TB-RC	68	6.0	5.0	.07	.026	.022
140-50N5-820J-TB-RC	82	7.5	5.0	.07	.026	.022
140-50N2-101J-TB-RC	100	7.5	2.5	.08	.030	.025
140-50N5-101J-TB-RC	100	7.5	5.0	.08	.030	.025
140-50N5-151J-TB-RC	150	8.5	5.0	.10	.035	.029
140-50N5-181J-TB-RC	180	9.5	5.0	.12	.042	.036
140-50N5-221J-TB-RC	220	10.5	5.0	.12	.044	.036
140-50N5-271J-TB-RC	270	10.5	5.0	.12	.046	.041

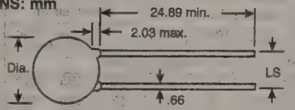
XICON EIA CLASS 2 DISC CERAMIC CAPACITORS

Features:
- Meets EIA Standards.
- Non-linear Temperature Coefficient.
- Stable Temperature Characteristics.
- Larger capacitance in smaller package than Class 1 type.

Y5P Specifications:
- Temperature Range: -30°C to +85°C
- Dissipation Factor: 2.5%
- Standard Tolerance: ±10%

Z5U / Z5V Specifications:
- Temperature Range: +10°C +85°C
- Dissipation Factor: 5%
- Standard Tolerance: ±20% or +80%-20%

DIMENSIONS: mm



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	200	400
50 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
140-50P2-101K-RC	100	5	2.5	.06	.034	.031
140-50P2-121K-RC	120	5	2.5	.06	.034	.031
140-50P2-151K-RC	150	5	2.5	.06	.034	.031
140-50P2-181K-RC	180	5	2.5	.06	.034	.031
140-50P2-201K-RC	200	5	2.5	.06	.034	.031
140-50P2-221K-RC	220	5	2.5	.06	.034	.031
140-50P2-271K-RC	270	5	2.5	.06	.034	.031
140-50P2-331K-RC	330	5	2.5	.08	.034	.031

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	200	400
140-50P2-391K-RC	390	5	2.5	.06	.034	.031
140-50P2-471K-RC	470	5	2.5	.08	.034	.031
140-50P2-561K-RC	560	5	2.5	.06	.034	.031
140-50P2-681K-RC	680	5	2.5	.06	.034	.031
140-50P2-821K-RC	820	5	2.5	.06	.034	.031
140-50P2-102K-RC	1000	5	2.5	.08	.034	.031
140-50P2-122K-RC	1200	5	2.5	.06	.034	.031
140-50P2-152K-RC	1500	5	2.5	.06	.034	.031
140-50P5-182K-RC	1800	5	5	.06	.034	.031

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	200	400
140-50P5-202K-RC	2000	5	5	.08	.04	.038
140-50P5-222K-RC	2200	5	5	.08	.04	.038
140-50P5-272K-RC	2700	6	5	.08	.04	.038
140-50P5-332K-RC	3300	7.5	5	.08	.04	.038
140-50P5-392K-RC	3900	7.5	5	.08	.04	.038
140-50P5-472K-RC	4700	8.5	5	.08	.04	.038
140-50P5-562K-RC	5600	8.5	5	.08	.04	.038
140-50P5-682K-RC	6800	9.5	5	.12	.065	.058
140-50P5-103K-RC	.01µF	16	5	.15	.09	.085

XICON Ceramic Disc Capacitors

RoHS Compliant This page of product is compliant.

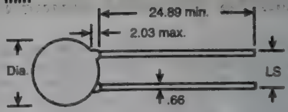
XICON EIA CLASS 2 DISC CERAMIC CAPACITORS (CONT.)

Features:
- Meets EIA Standards.
- Non-linear Temperature Coefficient.
- Stable Temperature Characteristics.
- Larger capacitance in smaller package than Class 1 type.

Specifications:
Y5P:
- Temperature Range: -30°C to +85°C
- Dissipation Factor: 2.5%
- Standard Tolerance: ±10%

Z5U / Z5V:
- Temperature Range: +10°C +85°C
- Dissipation Factor: 5%
- Standard Tolerance: ±20% or +80%-20%

DIMENSIONS: mm



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	200	400
50 VDC, Temp. Coef.: Z5U, Tol.: ±20%						
140-50Z5-102M-RC	1000	5	5	.07	.022	.021
140-50Z5-202M-RC	2000	5.5	5	.07	.022	.021
140-50Z5-222M-RC	2200	5	5	.07	.022	.021
140-50Z5-472M-RC	4700	6.6	5	.07	.022	.021
140-50Z2-103M-RC	.01µF	7.5	2.5	.08	.023	.022
140-50Z5-103M-RC	.01µF	7.5	5	.08	.023	.022
140-50Z5-203M-RC	.02µF	10.5	5	.11	.052	.041
140-50Z5-223M-RC	.022µF	10.5	5	.11	.052	.041
50 VDC, Temp. Coef.: Z5V, Tol.: +80% to -20%						
140-50Q5-102Z-RC	1000	5	5	.07	.021	.02
140-50Q5-103Z-RC	.01µF	6.5	5	.075	.022	.021
140-50Q5-223Z-RC	.022µF	7.5	5	.15	.048	.045
140-50Q5-473Z-RC	.047µF	10.5	5	.13	.095	.065
140-50Q9-104Z-RC	.1µF	16	9.5	.26	.22	.20
100 VDC, Temp. Coef.: Z5U, Tol.: +80% to -20%						
140-100Z5-102Z-RC	1000	5	5	.085	.04	.036
140-100Z5-472Z-RC	4700	5	5	.085	.04	.036
140-100Z5-103Z-RC	.01µF	7.5	5	.09	.048	.041
140-100Z5-203Z-RC	.02µF	7.5	5	.12	.057	.054
140-100Z5-223Z-RC	.022µF	10.5	5	.12	.061	.056
140-100Z9-473Z-RC	.047µF	12	9.5	.16	.130	.120
140-100Z9-503Z-RC	.05µF	10.5	9.5	.19	.11	.10
140-100Q9-104Z-RC	.1µF	16.5	9.5	.28	.23	.21
500 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
140-500P5-101K-RC	100	5	5	.11	.05	.046
140-500P5-121K-RC	120	5	5	.11	.05	.046
140-500P5-151K-RC	150	5	5	.11	.05	.046
140-500P5-181K-RC	180	5	5	.11	.05	.046
140-500P5-221K-RC	220	5	5	.14	.055	.046
140-500P5-251K-RC	250	5	5	.11	.05	.046
140-500P5-271K-RC	270	5	5	.11	.05	.046
140-500P5-331K-RC	330	6	5	.11	.05	.046
140-500P5-391K-RC	390	6	5	.11	.05	.046
140-500P5-471K-RC	470	5	5	.14	.06	.05
140-500P5-501K-RC	500	6	5	.11	.05	.046
140-500P5-561K-RC	560	6	5	.11	.06	.057
140-500P5-681K-RC	680	10	5	.14	.06	.057
500 VDC, Temp. Coef.: Y5P, Tol.: ±10% (cont.)						
140-500P5-102K-RC	1000	6	5	.13	.10	.078
140-500P5-152K-RC	1500	7.5	5	.13	.10	.078
140-500P5-182K-RC	1800	7.5	5	.13	.10	.078
140-500P5-222K-RC	2200	8.5	5	.13	.10	.078
140-500P5-272K-RC	2700	8.5	5	.13	.10	.078
140-500P5-332K-RC	3300	9.5	5	.16	.12	.093
140-500P5-392K-RC	3900	9.5	5	.16	.12	.093
140-500P5-472K-RC	4700	10.5	5	.19	.15	.12
140-500P9-682K-RC	6800	12	9.5	.20	.17	.13
140-500P9-103K-RC	.01µF	12	9.5	.22	.18	.14
500 VDC, Temp. Coef.: Z5U, Tol.: +80% to -20%						
140-500Z5-102Z-RC	1000	5	5	.15	.047	.045
140-500Z5-472Z-RC	4700	8.5	5	.16	.06	.053
140-500Z5-103Z-RC	.01µF	10.5	5	.17	.08	.072
140-500Z9-223Z-RC	.02µF	15	9.5	.25	.13	.11
1000 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
140-102P6-101K-RC	100	6.5	6.4	.10	.055	.053
140-102P6-121K-RC	120	6.5	6.4	.10	.055	.053
140-102P6-151K-RC	150	6.5	6.4	.10	.055	.053
140-102P6-181K-RC	180	6.5	6.4	.10	.055	.053
140-102P6-221K-RC	220	6.5	6.4	.10	.055	.053
140-102P6-271K-RC	270	6.5	6.4	.10	.055	.053
140-102P6-301K-RC	300	6.5	6.4	.10	.055	.053
140-102P6-331K-RC	330	6.5	6.4	.10	.055	.053
140-102P6-391K-RC	390	6.5	6.4	.10	.055	.053
140-102P6-471K-RC	470	6.5	6.4	.10	.055	.053
140-102P6-561K-RC	560	6.5	6.4	.10	.055	.053
140-102P6-681K-RC	680	6.5	6.4	.16	.10	.088
140-102P6-821K-RC	820	6.5	6.4	.16	.10	.088
140-102P6-102K-RC	1000	6.5	6.4	.16	.10	.088
140-102P6-122K-RC	1200	8.5	6.4	.26	.21	.18
140-102P6-152K-RC	1500	8.5	6.4	.26	.21	.18
140-102P6-222K-RC	2200	9.5	6.4	.26	.21	.18
140-102P6-272K-RC	2700	11	6.4	.26	.21	.18
140-102P6-302K-RC	3000	11	6.4	.26	.21	.18
140-102P6-332K-RC	3300	11	6.4	.34	.23	.21
140-102P9-472K-RC	4700	15	9.5	.45	.39	.26
1000 VDC, Temp. Coef.: Y5P, Tol.: ±10% (cont.)						
140-102P9-103K-RC	.01µF	19	9.5	.90	.69	.54
2000 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
140-202P6-101K-RC	100	7	6.4	.12	.06	.057
140-202P6-221K-RC	220	7	6.4	.12	.06	.056
140-202P6-331K-RC	330	7	6.4	.12	.06	.056
140-202P6-391K-RC	390	7	6.4	.12	.09	.071
140-202P6-471K-RC	470	7	6.4	.18	.095	.091
140-202P6-681K-RC	680	7	6.4	.18	.095	.091
140-202P6-821K-RC	820	8.5	6.4	.18	.095	.091
140-202P6-102K-RC	1000	8.5	6.4	.22	.115	.11
140-202P6-122K-RC	1200	10	6.4	.24	.14	.12
140-202P6-152K-RC	1500	10	6.4	.36	.29	.24
140-202P6-222K-RC	2200	12	6.4	.45	.39	.34
140-202P9-472K-RC	4700	15	9.5	1.05	.99	.91
140-202P9-103K-RC	.01µF	19	9.5	1.25	1.17	1.09
3000 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
140-302P6-101K-RC	100	7	6.4	.30	.22	.17
140-302P6-121K-RC	120	7	6.4	.30	.22	.17
140-302P6-221K-RC	220	7	6.4	.30	.22	.17
140-302P6-471K-RC	470	8	6.4	.35	.28	.215
140-302P6-681K-RC	680	9	6.4	.35	.28	.22
140-302P6-821K-RC	820	10	6.4	.45	.41	.37
140-302P9-122K-RC	1200	12	9.5	.65	.59	.48
140-302P9-152K-RC	1500	12	9.5	.65	.59	.48
140-302P9-222K-RC	2200	14	9.5	.99	.85	.76
140-302P9-272K-RC	2700	16	9.5	1.25	1.10	1.02
140-302P9-332K-RC	3300	16	9.5	1.34	1.26	1.13
140-302P9-472K-RC	4700	16	9.5	1.43	1.37	1.22
3000 VDC, Temp. Coef.: Z5U, Tol.: ±20%						
140-302Z6-102M-RC	1000	8	6.4	.30	.23	.19
140-302Z9-222M-RC	2200	10	9.5	.48	.36	.33
140-302Z9-472M-RC	4700	16	9.5	.82	.62	.56
140-302Z9-103M-RC	.01µF	18	9.5	1.42	1.07	.98
6000 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
140-602P9-221K-RC	220	10.5	9.5	.44	.29	.24
140-602P9-471K-RC	470	16	9.5	.62	.41	.34

XICON CLASS 2 AMMO PACK - TAPE AND BOX CERAMIC DISC CAPACITORS

Features:
- Ammo Pack
- Straight Leads are standard
- Formed Leads for board standoffs are available
- Small size; large capacitance

Tape & Box Package
2000 pieces per box
*1500 pieces per box
†1000 pieces per box

Specifications:
- **Z5U:**
  Temperature Range: +10°C to +85°C
  Dissipation Factor: 5%
  Standard Tolerance: ±20% or +80% -20%
- **Y5P:**
  Temperature Range: -30°C to +85°C
- Dissipation Factor: 2.5%
- Standard Tolerance: ±10%

RoHS Compliant

For quantities of 8,000 and up, call for quote.

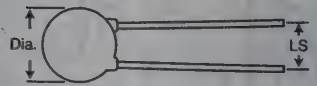
MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	2000	4000
50 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
140-50P2-471K-TB-RC	470	5.0	2.5	.06	.022	.018
140-50P5-471K-TB-RC	470	5.0	5.0	.08	.018	.015
140-50P2-102K-TB-RC	1,000	5.0	2.5	.08	.022	.018
140-50P5-102K-TB-RC	1,000	5.0	5.0	.08	.022	.018
140-50P5-222K-TB-RC	2,200	5.0	5.0	.08	.022	.018
140-50P5-103K-TB-RC	10,000	16.0	5.0	.15	.046	.037
100 VDC, Temp. Coef.: Z5U, Tol.: +80% to -20%						
140-100Z5-103Z-TB-RC	10,000	7.5	5.0	.09	.030	.024
†140-100Z5-473Z-TB-RC	47,000	12.0	5.0	.16	.100	.087
500 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
140-500P5-101K-TB-RC	100	5.0	5.0	.11	.031	.025
140-500P5-221K-TB-RC	220	5.0	5.0	.11	.031	.025
140-500P5-471K-TB-RC	470	5.0	5.0	.11	.031	.025
500 VDC, Temp. Coef.: Z5U, Tol.: +80% to -20%						
140-500Z5-103Z-TB-RC	10,000	10.5	5.0	.18	.087	.065
2000 VDC, Temp. Coef.: Y5P, Tol.: ±10%						
*140-202P5-102K-TB-RC	1,000	8.5	5.0	.22	.071	.059

XICON EIA CLASS 3 SEMICONDUCTOR TYPE

Features:
- Ammo pack available
- Straight leads are standard
- Formed leads for board standoffs are available
- Small size; large capacitance

Specifications:
- **Y5V / Y5U:**
  Temperature range: -10°C to +85°C

DIMENSIONS: mm



RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dia. (mm)	LS (mm)	Price Each		
				1	200	400
50 VDC, Temp. Coef.: Y5V, Tol. +80% to -20%						
140-50V5-103Z-RC	.01	6.5	5.0	.16	.085	.075
140-50V5-223Z-RC	.022	5.5	5.0	.17	.095	.085
140-50V5-473Z-RC	.047	8.5	5.0	.18	.10	.09
140-50V5-104Z-RC	.1	9.5	5.0	.19	.105	.095
140-50V5-224Z-RC	.22	12	5.0	.33	.22	.18
50 VDC, Temp. Coef.: Y5U, Tol. ±20%						
140-50U5-103M-RC	.01	5.0	5.0	.15	.08	.07
140-50U5-223M-RC	.022	5.0	5.0	.16	.09	.08
140-50U5-473M-RC	.047	12	5.0	.17	.095	.085
140-50U5-104M-RC	.1	15	5.0	.18	.10	.09
140-50U9-104Z-RC	.1	9.5	9.5	.19	.11	.10
50 VDC, Temp. Coef.: Y5V, Tol. +80% to -20%						
140-100V5-103Z-RC	.01	5.0	5.0	.23	.12	.10
140-100V5-223Z-RC	.022	5.5	5.0	.26	.13	.11
140-100V5-333Z-RC	.033	8.5	5.0	.26	.13	.11
140-100V5-473Z-RC	.047	8.5	5.0	.30	.15	.13
140-100V9-104Z-RC	.1	12	9.5	.25	.17	.14

XICON CLASS 3 AMMO PACK - TAPE AND BOX CERAMIC DISC CAPACITORS

Features:
- Ammo Pack
- Straight Leads are standard
- Formed Leads for board standoffs are available
- Small size; large capacitance

Specifications:
- **Z5U / Y5V:**
  Temperature Range: +10°C to +85°C
  Dissipation Factor: [illegible]
  Standard Tolerance: ±20% or +80% -20%

Tape & Box Package
2000 pieces per box

RoHS Compliant

For quantities of 8,000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dia. (mm)	LS (mm)	Price Each		
				1	2000	4000
50 VDC, Temp. Coef.: Y5U, Tol.: ±20%						
140-50U5-103M-TB-RC	10,000	5.0	5.0	.15	.048	.038
140-50U5-104M-TB-RC	100,000	15.0	5.0	.18	.064	.051
50 VDC, Temp. Coef.: Y5V, Tol.: +80% to -20%						
140-50V5-103Z-TB-RC	10,000	5.0	5.0	.16	.048	.038
140-50V5-473Z-TB-RC	47,000	6.5	5.0	.18	.064	.051

AVX Metallized Polyester Film Capacitors

AVX CB SERIES SMD METALLIZED FILM CHIP

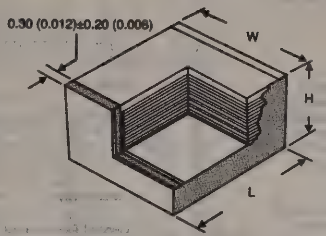
Features:

- Non-polar construction.
- Low dissipation factor, ESR and ESL.
- No Piezoelectric effect.
- Excellent thermal shock resistance.
- Tape and reel for automatic placement.

Specifications:

- Climatic category - 55/125/56
- Operating Temperature: -55°C to +125°C
- Soldering - IR or Vapor phase reflow.
- Dielectric:
  - 2 = PET = Polyethylene Teraphtalate
  - 7 = PEN = Polyethylene Naphtalate
  - 8 = PPS = Polyethylene Sulfide

RoHS Compliant



DIMENSIONS: mm (in.)			
Size	1206	1812	2220
Length (L)	3.20±0.30 (0.126±0.012)	4.50±0.50 (0.177±0.020)	5.70±0.50 (0.224±0.020)
Width (W)	1.60±0.30 (0.063±0.012)	3.20±0.50 (0.126±0.020)	5.00±0.50 (0.197±0.020)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Case Size	Vdc (V)	Value (μF)	Dielectric	Tol. ±	Height (mm)	Price Each				Reel Qty.	Piece Price
								1	50	100	500		
581-CB017D0102J	CB017D0102JBA	1206	50/63	1000pF	2	5%	1.1	.55	.51	.47	.43	3900	.30
581-CB017D0152J	CB017D0152JBA	1206	50/63	1500pF	2	5%	1.1	.55	.51	.47	.43	3900	.30
581-CB017D0222J	CB017D0222JBA	1206	50/63	2200pF	2	5%	1.1	.54	.50	.46	.42	3900	.29
581-CB017D0332J	CB017D0332JBA	1206	50/63	3300pF	2	5%	1.1	.54	.50	.46	.42	3900	.29
581-CB017D0472J	CB017D0472JBA	1206	50/63	4700pF	2	5%	1.1	.54	.50	.46	.42	3900	.29
581-CB017D0103J	CB017D0102JBA	1206	50/63	0.01	2	5%	1.1	.54	.50	.47	.43	3400	.29
581-CB028B0473J	CB028B0473JBA	1210	16	0.047	8	5%	1.8	.78	.73	.67	.62	2500	.40
581-CB028B0683J	CB028B0683JBA	1210	16	0.068	8	5%	2.2	.84	.78	.72	.66	2500	.43
581-CB028D0153J	CB028D0153JBA	1210	50	0.015	8	5%	1.8	.74	.68	.63	.58	2500	.38
581-CB028D0223J	CB028D0223JBA	1210	50	0.022	8	5%	2.2	.75	.69	.64	.59	2500	.38
581-CB028D0273J	CB028D0273JBA	1210	50	0.027	8	5%	2.2	.41	.38	.35	.32	2000	.21
581-CB028D0333J	CB028D0333JBA	1210	50	0.033	8	5%	2.2	.77	.71	.66	.60	2000	.40
581-CB017D0103J	CB017D0103JBA	1812	50	0.01	7	5%	1.5	.54	.50	.47	.43	1500	.29
581-CB027D0104J	CB027D0104JBA	1812	50	0.1	7	5%	2	.78	.73	.67	.62	1200	.56
581-CB032D0224K	CB032D0224KBA	1812	63	0.22	2	10%	4.5	.57	.53	.49	.45	700	.43
581-CB027E0153J	CB027E0153JBA	1812	100	0.015	7	5%	1.5	.79	.74	.68	.62	1500	.43
581-CB027E0223J	CB027E0223JBA	1812	100	0.022	2	5%	1.5	.47	.44	.40	.37	1500	.24
581-CB032E0333K	CB032E0333KBA	1812	100	0.033	2	10%	1.5	.44	.41	.38	.35	1500	.23
581-CB037E0473J	CB037E0473JBA	1812	100	0.047	7	5%	2	.76	.71	.66	.60	1200	.55
581-CB037E0104J	CB037E0104JBA	1812	100	0.1	7	5%	2	.62	.58	.53	.49	700	.43
581-CB037G0472J	CB037G0472JBA	1812	250	4700pF	7	5%	1.5	.59	.55	.50	.46	1500	.32
581-CB042D0334J	CB042D0334JBC	2220	50	0.33	2	5%	3.4	.77	.71	.66	.60	2300	.39
581-CB042D0474J	CB042D0474JBC	2220	50	0.47	2	5%	4	.81	.75	.69	.64	2300	.42
581-CB042D0684J	CB042D0684JBC	2220	50	0.68	2	5%	4.5	.95	.88	.81	.75	1900	.68
581-CB042G0273J	CB042G0273JBC	2220	250	0.027	2	5%	1.5	.43	.40	.37	.34	4400	.20
581-CB042G0473J	CB042G0473JBC	2220	250	0.047	2	5%	2	.71	.66	.61	.55	2800	.36

AVX BN SERIES METALLIZED POLYESTER FILM

Technology:

- Dielectric: Polyester film
- Stacked-film for pitch 7.5, 10 & 15mm (63Vdc...400Vdc)
- Wound capacitor for pitch 7.5 & 10 & 15mm (630Vdc/1000Vdc)
- Leads: Radial tinned copper wire
- Protection: Plastic case (UL94:V-O)/Polyurethane resin
- Tolerance:10%

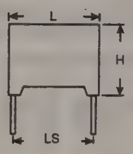
Applications:

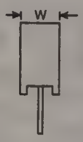
- Decoupling with AC or pulse components
- High current uses
- Capacitive dividers
- Energy saving lamps,etc.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Vdc/Vac (V)	Value (μF)	Max. L	Max. H	Max. W	LS +/- 0.4	Price Each				
								1	100	500	1000	2000
100 Volts												
581-BN074E0333K	BN074E0333K--	100/63	0.033	9.3	8.2	3.3	7.5	.21	.19	.17	.16	.14
581-BN074E0473K	BN074E0473K--	100/63	0.047	9.3	8.2	3.3	7.5	.22	.20	.18	.17	.15
581-BN104E0104K	BN104E0104K--	100/63	0.1	12.7	9.2	4.2	10	.25	.23	.21	.19	.17
581-BN104E0154K	BN104E0154K--	100/63	0.15	12.7	9.2	4.2	10	.25	.23	.21	.19	.17
581-BN104E0224K	BN104E0224K--	100/63	0.22	12.7	9.2	4.2	10	.25	.23	.21	.19	.17
581-BN154E0334K	BN154E0334K--	100/63	0.33	17.7	10.6	5.2	15	.27	.25	.23	.21	.19
581-BN154E0474K	BN154E0474K--	100/63	0.47	17.7	10.6	5.2	15	.31	.28	.26	.23	.21
581-BN154E0105K	BN154E0105K--	100/63	1.0	17.7	10.6	5.2	15	.32	.29	.27	.24	.23
250 Volts												
581-BN074G0472K	BN074G0472K--	250/115	4700pF	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN074G0682K	BN074G0682K--	250/115	6800pF	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN074G0103K	BN074G0103K--	250/115	0.01	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN074G0223K	BN074G0223K--	250/115	0.022	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN074G0333K	BN074G0333K--	250/115	0.033	9.3	8.2	3.3	7.5	.23	.21	.19	.17	.16
581-BN104G0473K	BN104G0473K--	250/115	0.047	12.7	9.2	4.2	10	.25	.23	.21	.19	.17
581-BN074G0473K	BN074G0473K--	250/115	0.047	9.3	8.2	3.3	7.5	.22	.20	.18	.16	.15
581-BN104G0104K	BN104G0104K--	250/115	0.1	12.7	9.2	4.2	10	.22	.20	.18	.16	.15
581-BN154G0684K	BN154G0684K--	250/115	0.68	17.7	12.2	6.2	15	.39	.36	.33	.29	.26
400 Volts												
581-BN074I0223K	BN074I0223K--	400/200	0.022	9.3	8.2	3.3	7.5	.21	.19	.17	.16	.14
581-BN104I0223K	BN104I0223K--	400/200	0.022	12.7	9.2	4.2	10	.23	.21	.19	.17	.16
581-BN104I0473K	BN104I0473K--	400/200	0.047	12.7	9.2	4.2	10	.24	.22	.20	.18	.17
581-BN074I0683K	BN074I0683K--	400/200	0.063	10.1	11.2	5.2	7.5	.37	.34	.21	.28	.25
581-BN154I0683K	BN154I0683K--	400/200	0.063	17.7	10.6	5.2	15	.29	.27	.25	.22	.20
581-BN154I0104K	BN154I0104K--	400/200	0.1	17.7	10.6	5.2	15	.29	.27	.25	.22	.20
630 Volts												
581-BN074K0102K	BN074K0102K--	630/220	1000pF	9.3	8.2	3.3	7.5	.82	.77	.69	.61	.55
581-BN104K0472K	BN104K0472K--	630/220	4700pF	12.7	9.2	4.2	10	.86	.79	.65	.58	.50
581-BN074K0103K	BN074K0103K--	630/220	0.01	10.1	10.2	5.2	7.5	.74	.68	.62	.49	.43
581-BN074K0223K	BN074K0223K--	630/220	0.022	10.1	12.2	6.2	7.5	.82	.77	.69	.61	.55
581-BN154K0333K	BN154K0333K--	630/220	0.033	17.7	10.6	5.2	15	.76	.72	.64	.57	.51
1000 Volts												
581-BN104L0102K	BN104L0102K--	1000/450	1000pF	12.7	9.2	4.2	10	.73	.67	.61	.55	.49
581-BN104L0472K	BN104L0472K--	1000/450	4700pF	12.7	13.6	5.2	10	.75	.69	.63	.57	.50
581-BN224L0104K	BN224L0104K--	1000/450	0.1	26.7	19.6	10.2	22.5	1.49	1.37	1.24	.99	.87

DIMENSIONS: mm





AVX Medium Power Film Capacitors

FFB SERIES

The FFB series uses a non-impregnated metallized polypropylene or polyester dielectric with the controlled self-healing process, specially treated to have a very high dielectric strength in operating conditions up to 105°C.

Applications:
- The FFB capacitor is particularly designed for DC filtering, low reactive power.

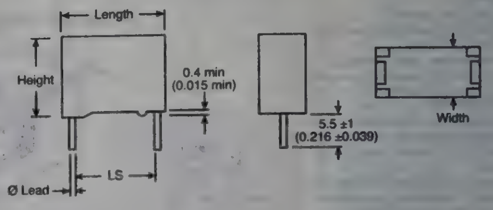
Features:
- Self-extinguishing plastic case (V0 = in accordance with UL 94) filled thermosetting resin.

Electrical Characteristics:
- Tolerance on Cn: ±10%
- Dielectric:
  75 to 400V Rated DC Voltage = polyester
  525 to 1100V Rated DC Voltage = polypropylene
- Working Temperature: -55°C to +105°C

Lifetime Expectancy:
One unique feature of this technology (as opposed to electrolytics) is how the capacitor reacts at the end of its lifetime. Whereas, with an electrolytic, there is a strong risk of explosion of the case. However, with AVX line of film capacitors, the capacitor will simply experience at the end of life a loss of capacitance of about 2%, with no risk of explosion.

Please note that this theoretical, however, as the capacitor continues to be functional even after this 2% decrease.

DIMENSIONS: mm (in.)



General Tolerance: ±0.5mm (0.020)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt	Capacitance (µF)	Irms Max (A)	Dimensions: mm (in.) Length mm ±0.40	Width mm ±0.40	Height mm ±0.40	LS mm ±0.40	Price Each 1	5	10	25	50	100
Vndc 75V Vrms max.: 45 volts														
581-FFB14D0336K	FFB14D0336K--	75	33	3	31.1 (1.230)	13.0 (0.051)	22.4 (0.880)	27.5 (1.083)	7.95	7.34	6.36	6.00	5.76	5.57
581-FFB34D0686K	FFB34D0686K--	75	68	46.2	31.1 (1.230)	17.3 (0.068)	29.8 (1.170)	27.5 (1.083)	15.00	13.85	12.00	11.32	10.87	10.50
581-FFB54D0117K	FFB54D0117K--	75	110	10	32.0 (1.260)	22.0 (0.870)	37.0 (1.460)	27.5 (1.083)	26.75	24.69	21.40	20.19	19.38	18.73
Vndc 100V Vrms max.: 60 volts														
581-FFB14E0206K	FFB14E0206K--	100	20	2.6	31.1 (1.230)	13.0 (0.051)	22.4 (0.880)	27.5 (1.083)	6.33	5.84	5.06	4.77	4.58	4.28
581-FFB44E0476K	FFB44E0476K--	100	47	6	31.1 (1.230)	20.8 (0.820)	31.3 (1.230)	27.5 (1.083)	13.63	12.58	10.90	10.28	9.87	9.54
581-FFB54E0686K	FFB54E0686K--	100	68	9	32.0 (1.260)	22.0 (0.870)	37.0 (1.460)	27.5 (1.083)	21.20	19.57	16.96	16.00	15.36	14.84
Vndc 300V Vrms max.: 90 volts														
581-FFB14H0755K	FFB14H0755K–	300	7.5	2.4	31.1 (1.230)	13.0 (0.051)	22.4 (0.880)	27.5 (1.083)	4.00	3.69	3.20	3.02	2.90	2.80
581-FFB44H0186K	FFB44H0186K--	300	18	6	31.1 (1.230)	20.8 (0.820)	31.3 (1.230)	27.5 (1.083)	8.95	8.26	7.16	6.75	6.48	6.27
581-FFB54H0276K	FFB54H0276K--	300	27	9	32.0 (1.260)	22.0 (0.870)	37.0 (1.460)	27.5 (1.083)	14.58	13.46	11.66	11.00	10.56	10.20
Vndc 400V Vrms max.: 105 volts														
581-FFB14I0625K	FFB14I0625K--	400	6.2	2.5	31.1 (1.230)	13.0 (0.051)	22.4 (0.880)	27.5 (1.083)	3.83	3.54	3.06	2.89	2.77	2.68
581-FFB44I0156K	FFB44I0156K--	400	15	6.2	31.1 (1.230)	20.8 (0.820)	31.3 (1.230)	27.5 (1.083)	8.40	7.75	6.72	6.34	6.09	5.88
581-FFB54I0206K	FFB54I0206K--	400	20	8.2	32.0 (1.260)	22.0 (0.870)	37.0 (1.460)	27.5 (1.083)	12.88	11.89	10.30	9.72	9.33	9.01
Vndc 525V Vrms max.: 105 volts														
581-FFB16J0395K	FFB16J0395K--	525	3.9	5.1	31.1 (1.230)	13.0 (0.051)	22.4 (0.880)	27.5 (1.083)	5.43	5.01	4.34	4.09	3.93	3.80
581-FFB46J0106K	FFB46J0106K--	525	10	12	31.1 (1.230)	20.8 (0.820)	31.3 (1.230)	27.5 (1.083)	10.58	9.77	8.46	7.98	7.66	7.40
581-FFB56J0136K	FFB56J0136K--	525	13	12	32.0 (1.260)	22.0 (0.870)	37.0 (1.460)	27.5 (1.083)	13.35	12.32	10.68	10.08	9.68	9.35
Vndc 720V Vrms max.: 120 volts														
581-FFB16A0335K	FFB16A0335K--	720	3.3	5	31.1 (1.230)	13.0 (0.051)	22.4 (0.880)	27.5 (1.083)	5.15	4.75	4.12	3.89	3.73	3.61
581-FFB46A0755K	FFB46A0755K--	720	7.5	11.4	31.1 (1.230)	20.8 (0.820)	31.3 (1.230)	27.5 (1.083)	10.08	9.30	8.06	7.60	7.30	7.05
581-FFB56A0106K	FFB56A0106K--	720	10	12	32.0 (1.260)	22.0 (0.870)	37.0 (1.460)	27.5 (1.083)	12.68	11.70	10.14	9.57	9.19	8.87
Vndc 900V Vrms max.: 150 volts														
581-FFB16C0205K	FFB16C0205K--	900	2	3.6	31.1 (1.230)	13.0 (0.051)	22.4 (0.880)	27.5 (1.083)	4.90	4.52	3.92	3.70	3.55	3.43
581-FFB46C0515K	FFB46C0515K--	900	5.1	9.3	31.1 (1.230)	20.8 (0.820)	31.3 (1.230)	27.5 (1.083)	9.58	8.84	7.66	7.23	6.94	6.70
581-FFB56C0685K	FFB56C0685K--	900	6.8	12	32.0 (1.260)	22.0 (0.870)	37.0 (1.460)	27.5 (1.083)	19.20	17.28	15.36	13.83	12.29	11.52
Vndc 1100V Vrms max.: 180 volts														
581-FFB16L0155K	FFB16L0155K--	1100	1.5	3.3	31.1 (1.230)	13.0 (0.051)	22.4 (0.880)	27.5 (1.083)	4.68	4.32	3.74	3.53	3.39	3.27
581-FFB46L0305K	FFB46L0305K--	1100	3	6.6	31.1 (1.230)	20.8 (0.820)	31.3 (1.230)	27.5 (1.083)	9.08	8.38	7.26	6.85	6.58	6.35
581-FFB56L0475K	FFB56L0475K--	1100	4.7	10.3	32.0 (1.260)	22.0 (0.870)	37.0 (1.460)	27.5 (1.083)	11.43	10.55	9.14	8.62	8.28	7.80

FFV3 SERIES

The series uses a non-impregnated metallized polypropylene or polyester dielectric, with the controlled self-healing process, specially treated to have a very high dielectric strength in operating conditions up to 105°C.

The FFV3 has been designed for printed circuit board mounting.

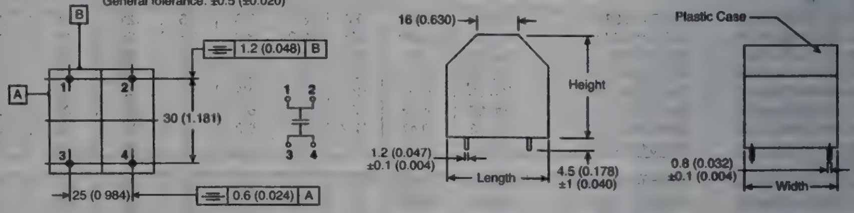
Applications:
- The FFV3 capacitors are particularly designed for DC filtering, low reactive power.

Features:
- Self-extinguishing plastic case (V0 = in accordance with UL 94) filled thermosetting resin.

Electrical Characteristics:
- Tolerance on Cn: ±10%
- Dielectric:
  75 to 400V Rated DC Voltage = polyester
  500 to 1100V Rated DC Voltage = polypropylene

DIMENSIONS: mm (in.)

General tolerance: ±0.5 (±0.020)



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt	Capacitance (µF)	Irms Max (A)	Dimensions: mm (in.) Length mm ±0.40	Width mm ±0.40	Height mm ±0.40	LS mm ±0.40	Price Each 1	5	10	25	50	100
Vndc = 75 V Vrms = 45 V max														
581-FFV34D0167K	FFV34D0167K	75	160	23	40 (1.575)	36 (1.418)	40 (1.575)	25 (0.984)	35.84	33.08	31.36	29.59	28.42	26.88
Vndc = 100 V Vrms = 60 V max														
581-FFV34E0107K	FFV34E0107K	100	100	24	40 (1.575)	36 (1.418)	40 (1.575)	25 (0.984)	31.40	28.98	27.48	25.92	24.89	23.55
Vndc = 300 V Vrms = 90 V max														
581-FFV34H0506K	FFV34H0506K	300	50	26	40 (1.575)	36 (1.418)	40 (1.575)	25 (0.984)	29.86	27.56	26.13	24.65	23.66	22.40
Vndc = 400 V Vrms = 105 V max														
581-FFV34I0406K	FFV34I0406K	400	40	23	40 (1.575)	36 (1.418)	40 (1.575)	25 (0.984)	26.90	24.83	23.54	22.20	21.31	20.18
Vndc = 500 V Vrms = 105 V max														
581-FFV36J0206K	FFV36J0206K	500	20	27	40 (1.575)	36 (1.418)	40 (1.575)	25 (0.984)	22.40	20.68	19.60	18.50	17.76	16.80
Vndc = 700 V Vrms = 120 V max														
581-FFV36A0206K	FFV36A0206K	700	20	30	40 (1.575)	36 (1.418)	40 (1.575)	25 (0.984)	20.92	19.31	18.31	17.28	16.58	15.69
Vndc = 900 V Vrms = 150 V max														
581-FFV36C0136K	FFV36C0136K	900	13	25	40 (1.575)	36 (1.418)	40 (1.575)	25 (0.984)	18.68	17.24	16.35	15.43	14.81	14.01
Vndc = 1100 V Vrms = 180 V max														
581-FFV36L0905K	FFV36L0905K	1100	9	20	40 (1.575)	36 (1.418)	40 (1.575)	25 (0.984)	17.94	16.56	15.70	14.80	14.21	13.46

AVX Metallized Polyester Film Capacitors

RoHS Compliant **This page of product is compliant.**

A KYOCERA GROUP COMPANY

BQ SERIES MULTILAYER METALLIZED POLYESTER FILM

The industry standard upgrade for CK05 type ceramic capacitors

The AVX multilayer film capacitors are a fully automated line of metallized miniature polyester film capacitors, featuring a proprietary multilayer film construction. These capacitors are especially well suited for printed circuits, coupling and decoupling of logic integrated circuits, filtering, timing, bypass, or in space-limited applications.

Features:

- Space-saving multilayer film construction
- Superior electrical characteristics
- Recommended soldering conditions are: 260°C for 5 seconds

General Description:

- Dielectric: metallized polyester film (polyethylene teraphtalate)
- Stacked-film
- Leads: radial tin-plated wire
- Protection: plastic case (UL94: V-O) / epoxy resin

Specifications:

- Insulation resistance: > 10GΩ typical (4GΩ min.)
- Dissipation factor: < 0.8% @ 1kHz
- Operating Temperature: -55°C to 100°C derated @ 1.25% per °C from 85°C to 100°C

Performance Characteristics:

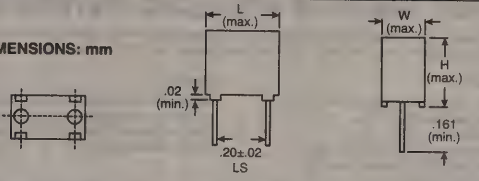
- Climatic category:55/100/56 performance class 2
- Tolerances on C_R: ±5%; ±10% (other values on request)
- Nominal voltages: VR_63/100/250/400V
  VR~40/63/160/200V
- Category votage: $Vc = 0.8V_R$ at 100°C

RoHS Compliant

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt	Value (pF)	Tol. ±	Price Each			
					1	100	1000	5000
581-BQ014D0102J	BQ014D0102J--	63	1000	5%	.10	.081	.057	.049
581-BQ014D0102K	BQ014D0102K--	63	1000	10%	.09	.075	.053	.045
581-BQ014D0122J	BQ014D0122J--	63	1200	5%	.07	.055	.038	.033
581-BQ014D0122K	BQ014D0122K--	63	1200	10%	.06	.052	.036	.031
581-BQ014D0152J	BQ014D0152J--	63	1500	5%	.07	.054	.038	.032
581-BQ014D0152K	BQ014D0152K--	63	1500	10%	.06	.051	.035	.03
581-BQ014D0182J	BQ014D0182J--	63	1800	5%	.07	.055	.038	.033
581-BQ014D0182K	BQ014D0182K--	63	1800	10%	.06	.052	.036	.031
581-BQ014D0222J	BQ014D0222J--	63	2200	5%	.10	.08	.070	.06
581-BQ014D0222K	BQ014D0222K--	63	2200	10%	.09	.08	.060	.05
581-BQ014D0272J	BQ014D0272J--	63	2700	5%	.07	.056	.039	.033
581-BQ014D0332J	BQ014D0332J--	63	3300	5%	.10	.081	.057	.049
581-BQ014D0332K	BQ014D0332K--	63	3300	10%	.09	.075	.053	.045
581-BQ014D0392J	BQ014D0392J--	63	3900	5%	.07	.055	.038	.033
581-BQ014D0392K	BQ014D0392K--	63	3900	10%	.08	.07	.043	.039
581-BQ014D0472J	BQ014D0472J--	63	4700	5%	.07	.06	.04	.033
581-BQ014D0472K	BQ014D0472K--	63	4700	10%	.09	.075	.053	.045
581-BQ014D0562J	BQ014D0562J--	63	5600	5%	.07	.056	.039	.034
581-BQ014D0562K	BQ014D0562K--	63	5600	10%	.06	.053	.037	.032
581-BQ014D0682J	BQ014D0682J--	63	6800	5%	.07	.058	.041	.035
581-BQ014D0682K	BQ014D0682K--	63	6800	10%	.06	.053	.037	.032
581-BQ014D0822J	BQ014D0822J--	63	8200	5%	.07	.059	.041	.036
581-BQ014D0822K	BQ014D0822K--	63	8200	10%	.07	.056	.039	.033
581-BQ014D0103J	BQ014D0103J--	63	10000	5%	.10	.081	.057	.049
581-BQ014D0103K	BQ014D0103K--	63	10000	10%	.09	.075	.053	.045
581-BQ014D0123J	BQ014D0123J--	63	12000	5%	.06	.053	.037	.032
581-BQ014D0123K	BQ014D0123K--	63	12000	10%	.06	.05	.035	.03
581-BQ014D0153J	BQ014D0153J--	63	15000	5%	.06	.052	.036	.031
581-BQ014D0153K	BQ014D0153K--	63	15000	10%	.06	.049	.034	.029
581-BQ014D0183J	BQ014D0183J--	63	18000	5%	.07	.055	.038	.033
581-BQ014D0183K	BQ014D0183K--	63	18000	10%	.06	.052	.036	.031
581-BQ014D0223J	BQ014D0223J--	63	22000	5%	.10	.08	.06	.049
581-BQ014D0223K	BQ014D0223K--	63	22000	10%	.09	.075	.053	.045
581-BQ014D0273J	BQ014D0273J--	63	27000	5%	.07	.055	.038	.033
581-BQ014D0273K	BQ014D0273K--	63	27000	10%	.06	.051	.036	.031
581-BQ014D0333J	BQ014D0333J--	63	33000	5%	.12	.11	.075	.06
581-BQ014D0333K	BQ014D0333K--	63	33000	10%	.11	.10	.065	.056
581-BQ014D0393J	BQ014D0393J--	63	39000	5%	.07	.055	.039	.033
581-BQ014D0393K	BQ014D0393K--	63	39000	10%	.06	.052	.036	.031
581-BQ014D0473J	BQ014D0473J--	63	47000	5%	.07	.06	.04	.034
581-BQ014D0473K	BQ014D0473K--	63	47000	10%	.06	.05	.04	.032
581-BQ014D0563J	BQ014D0563J--	63	56000	5%	.07	.057	.04	.034
581-BQ014D0563K	BQ014D0563K--	63	56000	10%	.06	.05	.04	.032
581-BQ014D0683J	BQ014D0683J--	63	68000	5%	.12	.11	.075	.06
581-BQ014D0683K	BQ014D0683K--	63	68000	10%	.11	.10	.067	.057
581-BQ014D0823J	BQ014D0823J--	63	82000	5%	.07	.06	.04	.035
581-BQ014D0823K	BQ014D0823K--	63	82000	10%	.06	.05	.04	.032
581-BQ014D0104J	BQ014D0104J--	63	0.1μF	5%	.12	.11	.075	.06
581-BQ014D0104K	BQ014D0104K--	63	0.1μF	10%	.11	.09	.062	.053
581-BQ014D0124J	BQ014D0124J--	63	0.12μF	5%	.08	.07	.047	.04
581-BQ014D0154J	BQ014D0154J--	63	0.15μF	5%	.18	.15	.13	.12
581-BQ014D0154K	BQ014D0154K--	63	0.15μF	10%	.08	.07	.047	.04
581-BQ014D0224J	BQ014D0224J--	63	0.22μF	5%	.17	.15	.10	.086
581-BQ014D0224K	BQ014D0224K--	63	0.22μF	10%	.16	.14	.093	.08
581-BQ024D0274J	BQ024D0274J--	63	0.27μF	5%	.14	.12	.08	.068
581-BQ024D0274K	BQ024D0274K--	63	0.27μF	10%	.13	.11	.075	.064
581-BQ024D0334J	BQ024D0334J--	63	0.33μF	5%	.19	.16	.11	.094
581-BQ024D0334K	BQ024D0334K--	63	0.33μF	10%	.18	.15	.102	.088
581-BQ074D0394J	BQ074D0394J--	63	0.39μF	5%	.19	.16	.108	.093
581-BQ074D0474J	BQ074D0474J--	63	0.47μF	5%	.25	.21	.144	.123
581-BQ074D0474K	BQ074D0474K--	63	0.47μF	10%	.23	.20	.134	.115
581-BQ074D0564J	BQ074D0564J--	63	0.56μF	5%	.21	.18	.123	.105
581-BQ074D0684J	BQ074D0684J--	63	0.68uF	5%	.24	.21	.14	.12
581-BQ074D0684K	BQ074D0684K--	63	0.68uF	10%	.23	.19	.13	.11
581-BQ074D0105J	BQ074D0105J--	63	1.0μF	5%	.44	.37	.258	.221
581-BQ074D0105K	BQ074D0105K--	63	1.0μF	10%	.40	.34	.233	.20
581-BQ054D0155K	BQ054D0155K--	63	1.5μF	10%	.42	.35	.243	.209
581-BQ054D0225K	BQ054D0225K--	63	2.2μF	10%	1.28	1.07	.747	.641

DIMENSIONS: mm



Case	L max	H max	e max	ø ± 0.02
01	7.50 (0.295)	6.50 (0.256)	2.50 (0.098)	0.50 (0.020)
02	7.50 (0.295)	8.00 (0.315)	3.20 (0.126)	0.50 (0.020)
05	7.50 (0.295)	12.00 (0.472)	6.00 (0.126)	0.50 (0.020)
07	7.50 (0.295)	8.00 (0.315)	5.00 (0.197)	0.50 (0.020)

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Volt	Value (pF)	Tol. ±	Price Each			
					1	100	1000	5000
581-BQ014E0102J	BQ014E0102J--	100	1000	5%	.11	.10	.07	.06
581-BQ014E0102K	BQ014E0102K--	100	1000	10%	.10	.09	.059	.05
581-BQ014E0152J	BQ014E0152J--	100	1500	5%	.06	.06	.038	.032
581-BQ014E0222J	BQ014E0222J--	100	2200	5%	.12	.10	.07	.059
581-BQ014E0222K	BQ014E0222K--	100	2200	10%	.11	.10	.065	.056
581-BQ014E0332J	BQ014E0332J--	100	3300	5%	.12	.10	.069	.059
581-BQ014E0332K	BQ014E0332K--	100	3300	10%	.11	.10	.07	.06
581-BQ014E0392J	BQ014E0392J--	100	3900	5%	.07	.06	.038	.033
581-BQ014E0392K	BQ014E0392K--	100	3900	10%	.06	.05	.036	.031
581-BQ014E0472J	BQ014E0472J--	100	4700	5%	.12	.10	.08	.07
581-BQ014E0472K	BQ014E0472K--	100	4700	10%	.11	.10	.07	.06
581-BQ014E0562J	BQ014E0562J--	100	5600	5%	.07	.06	.039	.034
581-BQ014E0562K	BQ014E0562K--	100	5600	10%	.06	.053	.037	.032
581-BQ014E0682J	BQ014E0682J--	100	6800	5%	.08	.075	.055	.045
581-BQ014E0682K	BQ014E0682K--	100	6800	10%	.07	.06	.038	.033
581-BQ014E0822K	BQ014E0822K--	100	8200	10%	.07	.056	.039	.033
581-BQ014E0103J	BQ014E0103J--	100	10000	5%	.07	.06	.04	.037
581-BQ014E0103K	BQ014E0103K--	100	10000	10%	.10	.084	.059	.05
581-BQ014E0153J	BQ014E0153J--	100	15000	5%	.07	.06	.038	.033
581-BQ014E0153K	BQ014E0153K--	100	15000	10%	.06	.049	.034	.029
581-BQ014E0183J	BQ014E0183J--	100	18000	5%	.07	.055	.038	.033
581-BQ014E0223J	BQ014E0223J--	100	22000	5%	.12	.10	.07	.06
581-BQ014E0223K	BQ014E0223K--	100	22000	10%	.11	.09	.061	.053
581-BQ014E0333J	BQ014E0333J--	100	33000	5%	.13	.12	.08	.07
581-BQ014E0333K	BQ014E0333K--	100	33000	10%	.12	.11	.072	.062
581-BQ014E0393K	BQ014E0393K--	100	39000	10%	.06	.052	.036	.031
581-BQ014E0473J	BQ014E0473J--	100	47000	5%	.12	.10	.08	.07
581-BQ014E0473K	BQ014E0473K--	100	47000	10%	.11	.10	.07	.06
581-BQ014E0563J	BQ014E0563J--	100	56000	5%	.07	.057	.04	.034
581-BQ014E0683J	BQ014E0683J--	100	68000	5%	.12	.10	.07	.059
581-BQ014E0683K	BQ014E0683K--	100	68000	10%	.11	.10	.07	.06
581-BQ014E0124J	BQ014E0124J--	100	0.12μF	5%	.08	.07	.047	.04
581-BQ014E0154J	BQ014E0154J--	100	0.15μF	5%	.09	.071	.05	.043
581-BQ014E0154K	BQ014E0154K--	100	0.15μF	10%	.08	.067	.047	.04
581-BQ014E0104J	BQ014E0104J--	100	0.1μF	5%	.11	.09	.063	.054
581-BQ014E0104K	BQ014E0104K--	100	0.1μF	10%	.10	.09	.059	.05
581-BQ074E0224J	BQ074E0224J--	100	0.22μF	5%	.26	.22	.15	.13
581-BQ074E0224K	BQ074E0224K--	100	0.22μF	10%	.25	.21	.14	.126
581-BQ074E0274J	BQ074E0274J--	100	0.27μF	5%	.17	.15	.10	.086
581-BQ074E0334J	BQ074E0334J--	100	0.33μF	5%	.30	.26	.18	.16
581-BQ074E0334K	BQ074E0334K--	100	0.33μF	10%	.31	.26	.18	.16
581-BQ074E0394J	BQ074E0394J--	100	0.39μF	5%	.19	.16	.11	.093
581-BQ074E0474J	BQ074E0474J--	100	0.47μF	5%	.35	.30	.21	.18
581-BQ074E0474K	BQ074E0474K--	100	0.47μF	10%	.30	.26	.18	.15
581-BQ014G0102K	BQ014G0102K--	250	1000	10%	.07	.06	.04	.034
581-BQ014G0682K	BQ014G0682K--	250	6800	10%	.07	.061	.043	.036
581-BQ014G0103J	BQ014G0103J--	250	10000	5%	.09	.08	.05	.041
581-BQ014G0103K	BQ014G0103K--	250	10000	10%	.08	.065	.044	.038
581-BQ014G0123J	BQ014G0123J--	250	12000	5%	.08	.065	.045	.039
581-BQ014G0153K	BQ014G0153K--	250	15000	10%	.07	.061	.043	.036
581-BQ024G0333K	BQ024G0333K--	250	33000	10%	.10	.082	.057	.049
581-BQ024G0473K	BQ024G0473K--	250	47000	10%	.12	.10	.07	.062
581-BQ074G0683K	BQ074G0683K--	250	68000	10%	.15	.13	.089	.077
581-BQ074G0104K	BQ074G0104K--	250	0.1μF	10%	.18	.15	.11	.091
581-BQ014I0102K	BQ014I0102K--	400	1000	10%	.07	.057	.04	.034
581-BQ014I0222K	BQ014I0222K--	400	2200	10%	.07	.058	.04	.035
581-BQ014I0332K	BQ014I0332K--	400	3300	10%	.07	.058	.041	.035
581-BQ014I0103K	BQ014I0103K--	400	10000	10%	.08	.064	.044	.038
581-BQ024I0153J	BQ024I0153J--	400	15000	5%	.11	.093	.065	.056

Metallized Polyester Film Capacitors Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AVX Part No.	WVDC	Kit Contains 245 Pieces	Price Each
581-BQKIT	BQ004-0359	63V	20 each: 1000pF, .1μF, .22μF, and .33μF. 10 each: .47μF and 1.0μF	49.10
		100V	20 each: 4700pF and .1μF 5 each: .47μF	
		250V	20 each: .033μF, .047μF 10 each: .1μF	
		400V	20 each: .01μF 10 each: .047μF	

CORNELL DUBILIER Polyester Film Capacitors

RoHS Compliant **This page of product is compliant.**

DME SERIES - MINIATURE METALLIZED POLYESTER CAPACITORS

Type DME radial-leaded, mini-dipped capacitors deliver the performance of other capacitors which have cases that are twice as big. Improvements in film technology permit the use of thinner dielectric and make DME the choice for all but higher current AC applications where the larger size may be an advantage. DME self heals shorts caused by overvoltage transients. For small size and low cost, DME is tops.

Specifications:

- Voltage range: 100-1000VDC (65-250VAC)
- Capacitance range: .01-10μF
- Capacitance tolerance: ± 10%
- Operating temperature range: -55°C to 125°C full-rated voltage @ 85°C - Derate linearly to 50% - rated voltage @ 125°C
- Dielectric strength: 150%
- Dissipation Factor: 1% max.
- Insulation resistance: 3,000MΩ x μF
  9,000MΩ min.
- Life test: 1,000 hours at 85°C @ 125% rated voltage

Features:

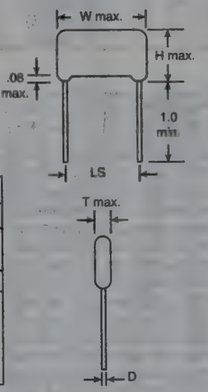
- Significant size reduction and performance characteristics comparable to other film capacitors that are in larger case sizes
- DME self heals shorts caused by overvoltage transients
- Small size/low cost

RoHS Compliant

Cross Reference	
Cornell Dubilier	Panasonic
DME Series	ECQE-----F

Pulse Capability					
Rated Volts	Body Length				
	.408	.472	.728	1.024	1.220
	dV/dt-volts per microsecond, maximum				
100	25	16	10	6	- - -
250	31	20	12	7	6
400	46	30	17	11	9
630	101	66	33	19	15
1000	- - -	93	104	70	- - -

DIMENSIONS: in.



100 VDC (65 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions: in.					Price Each		
			W	H	T	D	LS	1	10	100
5989-100V.56-F	DME1P56K-F	.56	.472	.429	.217	.024	.394	.60	.42	.36
5989-100V.68-F	DME1P68K-F	.68	.472	.469	.236	.024	.394	.64	.45	.38
5989-100V.82-F	DME1P82K-F	.82	.472	.531	.236	.024	.394	.71	.50	.43
5989-100V1.0-F	DME1W1K-F	1.0	.472	.551	.264	.024	.394	.73	.51	.43
5989-100V1.2-F	DME1W1P2K-F	1.2	.728	.504	.217	.024	.591	.84	.58	.51
5989-100V1.5-F	DME1W1P5K-F	1.5	.728	.528	.236	.032	.591	.97	.68	.58
5989-100V1.8-F	DME1W1P8K-F	1.8	.728	.567	.278	.032	.591	1.08	.75	.65
5989-100V2.2-F	DME1W2P2K-F	2.2	.728	.591	.276	.032	.591	1.19	.84	.72
5989-100V2.7-F	DME1W2P7K-F	2.7	.728	.622	.315	.032	.591	1.37	.96	.83
5989-100V3.3-F	DME1W3P3K-F	3.3	.728	.65	.335	.032	.591	1.77	1.24	1.07
5989-100V3.9-F	DME1W3P9K-F	3.9	1.024	.646	.276	.032	.886	2.01	1.41	1.21
5989-100V4.7-F	DME1W4P7K-F	4.7	1.024	.669	.295	.032	.886	2.27	1.59	1.37
5989-100V5.6-F	DME1W5P6K-F	5.6	1.024	.689	.327	.032	.886	2.54	1.78	1.53
5989-100V6.8-F	DME1W6P8K-F	6.8	1.024	.728	.354	.032	.886	3.04	2.13	1.83
5989-100V10.0-F	DME1W10K-F	10.0	1.024	.827	.453	.032	.886	4.22	2.98	2.55

250 VDC (160 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions: in.					Price Each		
			W	H	T	D	LS	1	10	100
5989-250V.01-F	DME2S1K-F	.01	.406	.291	.169	.024	.295	.39	.22	.18
5989-250V.012-F	DME2S12K-F	.012	.406	.295	.173	.024	.295	.39	.22	.18
5989-250V.015-F	DME2S15K-F	.015	.406	.295	.173	.024	.295	.39	.22	.18
5989-250V.018-F	DME2S18K-F	.018	.406	.295	.173	.024	.295	.39	.22	.18
5989-250V.022-F	DME2S22K-F	.022	.406	.295	.173	.024	.295	.39	.22	.18
5989-250V.027-F	DME2S27K-F	.027	.406	.295	.177	.024	.295	.40	.23	.19
5989-250V.033-F	DME2S33K-F	.033	.406	.295	.177	.024	.295	.39	.22	.18
5989-250V.039-F	DME2S39K-F	.039	.406	.295	.177	.024	.295	.39	.22	.18
5989-250V.047-F	DME2S47K-F	.047	.406	.295	.177	.024	.295	.39	.22	.18
5989-250V.056-F	DME2S56K-F	.056	.406	.311	.189	.024	.295	.41	.23	.20
5989-250V.068-F	DME2S68K-F	.068	.406	.295	.177	.024	.295	.43	.24	.20
5989-250V.082-F	DME2S82K-F	.082	.406	.315	.193	.024	.295	.45	.25	.21
5989-250V.1-F	DME2P1K-F	.1	.406	.331	.228	.024	.295	.47	.26	.22
5989-250V.12-F	DME2P12K-F	.12	.406	.354	.236	.024	.295	.52	.30	.24
5989-250V.15-F	DME2P15K-F	.15	.406	.425	.236	.024	.295	.52	.30	.24
5989-250V.18-F	DME2P18K-F	.18	.472	.406	.197	.024	.394	.54	.31	.25
5989-250V.22-F	DME2P22K-F	.22	.472	.413	.217	.024	.394	.55	.31	.27
5989-250V.27-F	DME2P27K-F	.27	.472	.453	.236	.024	.394	.58	.33	.28
5989-250V.33-F	DME2P33K-F	.33	.472	.472	.278	.024	.394	.63	.36	.30
5989-250V.39-F	DME2P39K-F	.39	.728	.472	.193	.024	.591	.69	.39	.33
5989-250V.47-F	DME2P47K-F	.47	.728	.492	.209	.024	.591	.74	.41	.35
5989-250V.56-F	DME2P56K-F	.56	.728	.512	.217	.024	.591	.79	.45	.38
5989-250V.68-F	DME2P68K-F	.68	.728	.531	.236	.032	.591	.89	.51	.42
5989-250V.82-F	DME2P82K-F	.82	.728	.571	.278	.032	.591	.98	.55	.47
5989-250V1.0-F	DME2W1K-F	1.0	.728	.591	.291	.032	.591	1.04	.58	.49
5989-250V1.2-F	DME2W1P2K-F	1.2	.728	.626	.315	.032	.591	1.15	.66	.55
5989-250V1.5-F	DME2W1P5K-F	1.5	.728	.661	.354	.032	.591	1.43	.80	.68
5989-250V1.8-F	DME2W1P8K-F	1.8	1.024	.61	.295	.032	.886	1.60	.90	.75
5989-250V2.2-F	DME2W2P2K-F	2.2	1.024	.642	.335	.032	.886	1.75	1.00	.83
5989-250V2.7-F	DME2W2P7K-F	2.7	1.024	.669	.37	.032	.886	1.97	1.11	.93
5989-250V3.3-F	DME2W3P3K-F	3.3	1.024	.709	.406	.032	.886	2.41	1.36	1.13
5989-250V3.9-F	DME2W3P9K-F	3.9	1.024	.807	.433	.032	.886	3.88	2.19	1.84
5989-250V4.7-F	DME2W4P7K-F	4.7	1.024	.846	.472	.032	.886	4.32	2.44	2.05
5989-250V5.6-F	DME2W5P6K-F	5.6	1.22	.827	.465	.032	1.083	5.46	3.08	2.59
5989-250V6.8-F	DME2W6P8K-F	6.8	1.22	.882	.512	.032	1.083	5.95	3.36	2.82
5989-250V8.2-F	DME2W8P2K-F	8.2	1.22	925	.563	.032	1.083	7.08	4.01	3.35
5989-250V10.0-F	DME2W10K-F	10.0	1.22	1.016	.626	.032	1.083	8.20	4.64	3.89

400 VDC (200 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions: in.					Price Each		
			W	H	T	D	LS	1	10	100
5989-400V.01-F	DME4S1K-F	.01	.406	.291	.169	.024	.295	.52	.29	.26
5989-400V.015-F	DME4S15K-F	.015	.406	.295	.173	.024	.295	.52	.29	.26
5989-400V.018-F	DME4S18K-F	.018	.406	.295	.173	.024	.295	.52	.29	.26
5989-400V.022-F	DME4S22K-F	.022	.406	.311	.189	.024	.295	.53	.30	.26
5989-400V.027-F	DME4S27K-F	.027	.406	.315	.217	.024	.295	.57	.32	.29
5989-400V.033-F	DME4S33K-F	.033	.406	.354	.236	.024	.295	.60	.33	.30
5989-400V.039-F	DME4S39K-F	.039	.472	.315	.193	.024	.394	.62	.34	.31
5989-400V.047-F	DME4S47K-F	.047	.472	.327	.197	.024	.394	.62	.34	.31
5989-400V.056-F	DME4S56K-F	.056	.472	.394	.197	.024	.394	.63	.34	.31
5989-400V.068-F	DME4S68K-F	.068	.472	.413	.213	.024	.394	.64	.35	.32
5989-400V.1-F	DME4P1K-F	.1	.472	.472	.248	.024	.394	.63	.34	.31
5989-400V.12-F	DME4P12K-F	.12	.728	.394	.197	.024	.591	.69	.38	.35
5989-400V.22-F	DME4P22K-F	.22	.728	.512	.232	.024	.591	.94	.52	.48
5989-400V.27-F	DME4P27K-F	.27	.728	.563	.278	.032	.591	.96	.53	.48
5989-400V.33-F	DME4P33K-F	.33	.728	.587	.276	.032	.591	1.05	.58	.53
5989-400V.47-F	DME4P47K-F	.47	.728	.669	.307	.032	.591	1.21	.67	.60
5989-400V.56-F	DME4P56K-F	.56	1.024	.63	.278	.032	.886	1.33	.73	.67
5989-400V.68-F	DME4P68K-F	.68	1.024	.65	.276	.032	.886	1.48	.82	.74
5989-400V.82-F	DME4P82K-F	.82	1.024	.681	.311	.032	.886	1.62	.89	.81
5989-400V1.0-F	DME4W1K-F	1.0	1.024	.709	.335	.032	.886	1.78	.99	.89
5989-400V1.2-F	DME4W1P2K-F	1.2	1.024	.744	.374	.032	.886	2.48	1.37	1.24
5989-400V1.5-F	DME4W1P5K-F	1.5	1.22	.748	.374	.032	1.083	2.70	1.49	1.35
5989-400V2.2-F	DME4W2P2K-F	2.2	1.22	.866	.433	.032	1.083	3.65	2.01	1.82

630 VDC (250 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions: in.					Price Each		
			W	H	T	D	LS	1	10	100
5989-630V.01-F	DME6S1K-F	.01	.472	.295	.177	.024	.394	.47	.26	.22
5989-630V.015-F	DME6S15K-F	.015	.472	.323	.197	.024	.394	.51	.28	.24
5989-630V.022-F	DME6S22K-F	.022	.472	.413	.209	.024	.394	.54	.30	.26
5989-630V.027-F	DME6S27K-F	.027	.472	.429	.217	.024	.394	.57	.32	.27
5989-630V.033-F	DME6S33K-F	.033	.472	.469	.236	.024	.394	.58	.32	.28
5989-630V.039-F	DME6S39K-F	.039	.472	.528	.236	.024	.394	.38	.30	.26
5989-630V.047-F	DME6S47K-F	.047	.472	.531	.278	.024	.394	.63	.34	.30
5989-630V.056-F	DME6S56K-F	.056	.728	.413	.213	.024	.591	.66	.36	.31
5989-630V.068-F	DME6S68K-F	.068	.728	.433	.228	.024	.591	.71	.39	.34
5989-630V.082-F	DME6S82K-F	.082	.728	.472	.278	.024	.591	.75	.41	.36
5989-630V0.1-F	DME6P1K-F	.1	.728	.551	.248	.024	.591	.82	.45	.38
5989-630V.12-F	DME6P12K-F	.12	.728	.571	.248	.032	.591	.89	.50	.42
5989-630V.15-F	DME6P15K-F	.15	.728	.606	.295	.032	.591	1.00	.55	.48
5989-630V.22-F	DME6P22K-F	.22	.728	.65	.354	.032	.591	1.15	.64	.55
5989-630V.27-F	DME6P27K-F	.27	1.024	.65	.276	.032	.886	1.33	.73	.63
5989-630V.33-F	DME6P33K-F	.33	1.024	.669	.307	.032	.886	1.48	.82	.70
5989-630V.39-F	DME6P39K-F	.39	1.024	.705	.335	.032	.886	1.62	.89	.76
5989-630V.47-F	DME6P47K-F	.47	1.024	.728	.366	.032	.886	1.74	.96	.83
5989-630V.56-F	DME6P56K-F	.56	1.024	.787	.394	.032	.886	2.05	1.13	.98
5989-630V.68-F	DME6P68K-F	.68	1.024	.827	.453	.032	.886	2.67	1.47	1.27
5989-630V.82-F	DME6P82K-F	.82	1.22	.807	.445	.032	1.083	2.92	1.61	1.38
5989-630V1.0-F	DME6W1K-F	1.0	1.22	.862	.492	.032	1.083	3.54	1.95	1.67
5989-630V1.2-F	DME6W1P2K-F	1.2	1.22	.906	.531	.032	1.083	3.73	2.06	1.77
5989-630V1.5-F	DME6W1P5K-F	1.5	1.22	.972	.602	.032	1.083	4.54	2.50	2.15
5989-630V1.8-F	DME6W1P8K-F	1.8	1.22	1.063	.661	.032	1.083	5.10	2.82	2.42
5989-630V2.2-F	DME6W2P2K-F	2.2	1.22	1.142	.768	.032	1.083	5.95	3.29	2.82

1000 VDC (250 VAC)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE P/N	Value (μF)	Dimensions: in.					Price Each		
			W	H	T	D	LS	1	10	100
5989-1KV.01-F	DME10S1K-F	.01	.610	.433	.236	.024	.492	.52	.35	.29
5989-1KV.012-F	DME10S12K-F	.012	.610	.472	.236	.024	.492	.53	.36	.30
5989-1KV.015-F	DME10S15K-F	.015	.610	.492	.276	.024	.492	.56	.38	.31
5989-1KV.018-F	DME10S18K-F	.018	.610	.512	.295	.032	.492	.52	.35	.29
5989-1KV.022-F	DME10S22K-F	.022	.610	.610	.295	.032	.492	.54	.37	.30
5989-1KV.027-F	DME10S27K-F	.027	.827	.512	.236	.032	.689	.54	.37	.30
5989-1KV.033-F	DME10S33K-F	.033	.827	.551	.278	.032	.689	.56	.38	.31
5989-1KV.039-F	DME10S39K-F	.039	.827	.571	.276	.032	.689	.59	.40	.33
5989-1KV.047-F	DME10S47K-F	.047	.827	.610	.295	.032	.689	.64	.43	.35
5989-1KV.056-F	DME10S56K-F	.056	.827	.669	.295	.032	.689	.68	.47	.37
5989-1KV.068-F	DME10S68K-F	.068	.827	.709	.335	.032	.689	.72	.50	.40
5989-1KV.082-F	DME10S82K-F	.082	.827	.728	.354	.032	.689	.79	.54	.43
5989-1KV0.1-F	DME10P1K-F	.1	.827	.787	.394	.032	.689	.87	.59	.49
5989-1KV0.12-F	DME10P12K-F	.12	1.024	.728	.354	.032	.886	.90	.61	.50
5989-1KV0.18-F	DME10P18K-F	.18	1.024	.866	.413	.032	.886	1.11	.76	.61
5989-1KV0.22-F	DME10P22K-F	.22	1.024	.906	.472	.032	.886	1.29	.89	.72

Metallized Film Capacitors

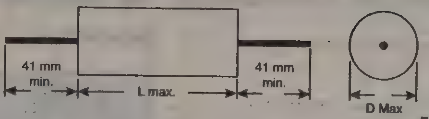
RoHS Compliant **This page of product is compliant.**

CDE CORNELL DUBILIER 940C POLYPROPYLENE FILM SERIES

DIMENSIONS: in.

The 940C round, axial film capacitors use polypropylene film and dual metallized electrodes for both self healing properties and high peak current carrying capability (dV/dt). This series features low ESR characteristics, excellent high frequency and high voltage capabilities.

Specifications:
- Voltage range: 1000 Vdc to 3000 Vdc
- Capacitance range: .01μF to 2μF
- Operating temperature: -55°C to +105°C
- Capacitance tolerance: ± 10%



RoHS Compliant

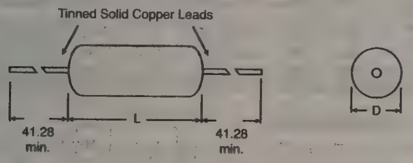
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (μF)	Dimensions: mm D x L	ESR mΩ (typical)	ESL (nH)	dV/dt V/μs	I peak (A)	IRMS (A)	Price Each 1	10	25	50	100
1000 VDC (500 VAC)													
5984-940C10P15K-F	940C10P15K-F	.15	15.0 x 34	7	22	856	128	6.7	1.97	1.90	1.77	1.66	1.53
5984-940C10P22K-F	940C10P22K-F	.22	17.5 x 34	7	23	856	188	7.4	2.33	2.25	2.08	1.96	1.81
5984-940C10P33K-F	940C10P33K-F	.33	20.5 x 34	6	24	856	283	8.8	3.04	2.93	2.72	2.56	2.36
5984-940C10P47K-F	940C10P47K-F	.47	24.0 x 34	5	26	856	856	10.6	3.92	3.78	3.50	3.29	3.04
5984-940C10P68K-F	940C10P68K-F	.68	28.0 x 34	5	27	856	582	11.7	4.96	4.78	4.43	4.17	3.85
5984-940C10W1K-F	940C10W1K-F	1	26.0 x 46	5	32	480	480	12.5	5.67	5.47	5.07	4.77	4.40
5984-940C10W2K-F	940C10W2K-F	2	35.5 x 46	3	36	480	960	19.6	9.94	9.59	8.89	8.36	7.72
1200 VDC (500 VAC)													
5984-940C12P1K-F	940C12P1K-F	.10	15.5 x 34	9	22	1142	114	6.1	1.92	1.85	1.72	1.61	1.49
5984-940C12P22K-F	940C12P22K-F	.22	21.5 x 34	7	24	1142	251	8.4	2.93	2.83	2.62	2.46	2.28
5984-940C12P47K-F	940C12P47K-F	.47	23.0 x 46	7	30	640	301	9.8	4.22	4.07	3.77	3.55	3.27
5984-940C12W1K-F	940C12W1K-F	1	33.0 x 46	5	35	640	640	14.5	7.42	7.16	6.63	6.24	5.76
1600 VDC (630 VAC)													
5984-940C16P1K-F	940C16P1K-F	.10	18.0 x 34	7	23	1427	143	7.5	2.35	2.27	2.11	1.98	1.83
5984-940C16P15K-F	940C16P15K-F	.15	21.5 x 34	5	24	1427	214	9.9	2.85	2.75	2.55	2.40	2.21
5984-940C16P22K-F	940C16P22K-F	.22	25.5 x 34	7	26	1427	314	9.3	3.67	3.54	3.28	3.09	2.85
5984-940C16P33K-F	940C16P33K-F	.33	23.5 x 46	7	31	800	264	10.0	4.13	3.99	3.70	3.48	3.21
5984-940C16P47K-F	940C16P47K-F	.47	27.5 x 46	6	32	800	376	11.8	5.26	5.07	4.70	4.42	4.08
5984-940C16W1K-F	940C16W1K-F	1	39.0 x 46	5	37	800	800	16.2	9.61	9.27	8.59	8.08	7.46
5984-940C16W1P5K-F	940C16W1P5K-F	1.5	42.0 x 54	4	42	628	942	20.1	12.68	12.23	11.34	10.66	9.84
2000 VDC (630 VAC)													
5984-940C20S47K-F	940C20S47K-F	.047	15.0 x 34	12	22	1712	80	5.2	1.81	1.74	1.62	1.52	1.40
5984-940C20P1K-F	940C20P1K-F	.10	21.0 x 34	7	24	1712	171	8.3	2.60	2.51	2.33	2.19	2.02
5984-940C20P22K-F	940C20P22K-F	.22	22.0 x 46	8	30	960	211	9.0	3.56	3.43	3.18	2.99	2.76
5984-940C20P33K-F	940C20P33K-F	.33	27.0 x 46	8	32	960	317	10.1	4.82	4.65	4.31	4.05	3.74
5984-940C20P47K-F	940C20P47K-F	.47	32.0 x 46	6	34	960	451	13.0	6.38	6.15	5.70	5.37	4.95
5984-940C20P56K-F	940C20P56K-F	.56	31.0 x 54	7	37	754	422	12.6	6.93	6.69	6.20	5.83	5.38
5984-940C20W1K-F	940C20W1K-F	1	41.0 x 54	5	42	754	754	17.7	11.04	10.65	9.87	9.28	8.57
3000 VDC (750 VAC)													
5984-940C30S1K-F	940C30S1K-F	.010	11.5 x 34	60	20	2568	26	2.0	1.45	1.40	1.30	1.22	1.13
5984-940C30S47K-F	940C30S47K-F	.047	16.5 x 46	14	28	1440	68	5.7	2.11	2.03	1.88	1.77	1.64
5984-940C30P1K-F	940C30P1K-F	.10	22.5 x 46	10	30	1440	144	8.1	3.28	3.17	2.94	2.76	2.55

CDE CORNELL DUBILIER 935 METALLIZED POLYPROPYLENE SERIES

Designed for 20 - 100K Hz switching power supply input filtering, DC blocking and output filter applications where high current, high capacitance, and low ESR values are important. Dry sections are sealed with flame-retardant outer wrap and epoxy end seals for moisture resistance. This non-protected film capacitor has Underwriters Laboratories, Inc., recognition for construction only. U.L. File Number assigned is E128034(N)

Specifications
- Tolerance: ±10%
- Temperature range: -55°C to 105°C
- Voltage range: 100, 200, and 400VDC
- Maximum DF (1K Hz, +25°C): 0.1%
- Capacitance range: 1-30μF
- Dielectric strength: 200%
- Insulation resistance: 200,000MΩ x μF
- Life test: 1,000 hrs. at 85°C @ 125% rated voltage



RoHS Compliant

DIMENSIONS: mm

For quantities of 200 and up, call for quote.

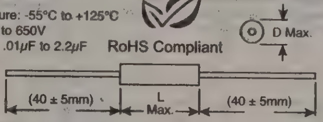
MOUSER STOCK NO.	CDE Part No.	Value (μF)	Dimensions: mm D	L	Price Each 1	25	50	100
100 VDC (70 VAC)								
5984-100V1-F	935C1W1K-F	1	11.9	19.0	6.21	5.17	4.65	4.14
5984-100V2-F	935C1W2K-F	2	13.6	23.8	6.88	5.74	5.15	4.58
5984-100V3-F	935C1W3K-F	3	13.6	23.8	6.94	5.79	5.21	4.63
5984-100V5-F	935C1W5K-F	5	16.3	31.7	5.49	5.03	4.80	4.52
5984-100V10-F	935C1W10K-F	10	20.4	38.1	15.83	13.20	11.87	10.56
5984-100V20-F	935C1W20K-F	20	22.2	57.1	17.86	14.88	13.40	11.91
200 VDC (140 VAC)								
5984-200V1-F	935C2W1K-F	1	11.4	31.7	4.55	3.79	3.41	3.03
5984-200V2-F	935C2W2K-F	2	15.4	31.7	5.60	4.66	4.20	3.73
5984-200V3-F	935C2W3K-F	3	16.6	38.1	6.13	5.11	4.60	4.08
5984-200V10-F	935C2W10K-F	10	23.0	57.1	11.16	9.31	8.37	7.44
400 VDC (275 VAC)								
5984-400V1-F	935C4W1K-F	1	15.7	38.1	6.29	5.25	4.72	4.20
5984-400V2-F	935C4W2K-F	2	20.4	44.4	7.46	6.22	5.60	4.98
5984-400V3-F	935C4W3K-F	3	24.4	44.4	9.14	7.61	6.85	6.08
5984-400V5-F	935C4W5K-F	5	27.1	57.1	11.16	9.31	8.37	7.44
5984-400V10-F	935C4W10K-F	10	39.2	57.1	14.61	12.18	10.96	9.74

MALLORY Cornell Dubiler Electronics, Inc.® 150 SERIES AXIAL METALLIZED POLYESTER FILM CAPACITOR

Excellent choice for general purpose applications such as blocking, bypass, decoupling, smoothing and some timing, energy storage/discharge and arc suppression.

- Low leakage
- Non-Polar
- Non inductively wound
- Epoxy end fill meets UL94V-0
- Flame retardant Polyester wrap meets UL510
- Operating temperature: -55°C to +125°C
- Voltage range: 63V to 650V
- Capacitance range: .01μF to 2.2μF
- Tolerance: 5%,10%

RoHS Compliant



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Value (μF)	Tol. ±	Dimen.: mm D x L	Price Each 1	50	100	500
100 VDC (63 VAC)								
539-150104J100AA	150104J100AA	0.1	5%	5 x 11	.41	.37	.32	.28
539-150224J100CB	150224J100CB	0.22	5%	6.5 x 16.5	.49	.45	.38	.34
539-150334J100EB	150334J100EB	0.33	5%	8 x 16	.52	.47	.40	.36
539-150684J100FC	150684J100FC	0.68	5%	8.5 x 20.5	.70	.63	.54	.48
539-150105J100IC	150105J100IC	1	5%	10 x 20.5	.91	.83	.70	.63
250 VDC (160 VAC)								
539-150223J250AA	150223J250AA	0.022	5%	5 x 11	.38	.35	.30	.26
539-150333J250AA	150333J250AA	0.033	5%	5 x 11	.38	.35	.30	.26
539-150473J250AA	150473J250AA	0.047	5%	5 x 11	.38	.35	.30	.26
539-150104J250CB	150104J250CB	0.1	5%	6.5 x 16.5	.47	.42	.36	.32
539-150224J250FB	150224J250FB	0.22	5%	8.5 x 16.5	.53	.48	.41	.36
539-150334J250FC	150334J250FC	0.33	5%	8.5 x 20.5	.61	.56	.47	.42
539-150474J250HC	150474J250HC	0.47	5%	9.5 x 20.5	.66	.60	.51	.46
539-150105J250JE	150105J250JE	1	5%	10.5 x 28	.88	.80	.68	.60
539-150225K250PF	150225K250PF	2.2	10%	13.5 x 33	2.36	2.17	1.88	1.67
400 VDC (200 VAC)								
539-150103J400AA	150103J400AA	0.01	5%	5 x 11	.37	.33	.28	.25
539-150223K400BB	150223K400BB	0.022	10%	6 x 16.5	.45	.41	.35	.31
539-150473J400DB	150473J400DB	0.047	5%	7 x 16.5	.50	.45	.38	.34
539-150104K400EC	150104K400EC	0.1	10%	8 x 20.5	.50	.45	.38	.34
539-150224J400FE	150224J400FE	0.22	5%	8.5 28	.71	.65	.55	.49
539-150334J400IE	150334J400IE	0.33	5%	10 x 28	.72	.65	.55	.49
539-150474J400LF	150474J400LF	0.47	5%	11.5 x 33	.88	.80	.68	.60
630 VDC (220 VAC)								
539-150102J630AA	150102J630AA	0.001	5%	5 x 11	.41	.37	.32	.28
539-150222J630AA	150222J630AA	0.0022	5%	5 x 11	.44	.40	.34	.30
539-150332J630AA	150332J630AA	0.0033	5%	5 x 11	.45	.41	.35	.31
539-150472J630AA	150472J630AA	0.0047	5%	5 x 11	.44	.40	.34	.30
539-150103J630BB	150103J630BB	0.01	5%	6 x 16.5	.45	.41	.35	.31
539-150223J630DB	150223J630DB	0.022	5%	7 x 16.5	.50	.46	.39	.35
539-150473J630EC	150473J630EC	0.047	5%	8 x 20.5	.62	.56	.48	.43
539-150104J630FE	150104J630FE	0.1	5%	8.5 28	.85	.77	.65	.58
539-150224J630LE	150224J630LE	0.22	5%	11.5 x 28	1.39	1.28	1.11	.98

Film Capacitors

MALLORY QUENCHARC® ARC SUPPRESSOR / SNUBBER NETWORKS

NEW FROM SUPPLIER

Features:

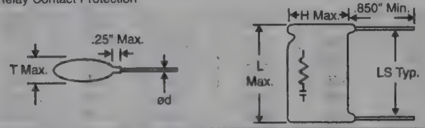
- Metallized Polyester Capacitor in series with a carbon composition resistor.
- Flame Retardant epoxy coated case

Specifications:

- Operating Temperature: -55°C to +85°C
- Resistance Tolerance: ±10%
- Capacitance Tolerance: ±20%

Applications:

- Noise and Arc Supression
- RC Snubber Network
- Relay Contact Protection
- EMI/RFI Reduction
- Noise reduction on Controllers/Drivers



DIMENSIONS: in.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Value (µF)	Resistor		Dimension: mm				Price Each			
			Watts	(Ω)	W	T	H	LS	1	25	50	100
200 Volt DC (125VAC)												
539-504M02QA100	504M02QA100	.50	0.5	100	27.4	9.4	16.3	20.8	5.39	4.30	4.09	3.66
539-504M02QA220	504M02QA220	.50	0.5	220	27.4	9.4	16.3	20.8	5.39	4.30	4.09	3.66
539-105M02QB47	105M02QB47	1	0.5	47	36.8	9.9	16.8	30.5	6.41	5.70	5.34	4.99
600 Volt DC (250VAC)												
539-104M06QC22	104M06QC22	.10	0.5	22	27.4	9.9	16.8	20.8	4.90	3.91	3.72	3.33
539-104M06QC47	104M06QC47	.10	0.5	47	27.4	9.9	16.8	20.8	4.93	4.39	4.11	3.84
539-104M06QC100	104M06QC100	.10	0.5	100	27.4	9.9	16.8	20.8	4.90	3.91	3.72	3.33
539-104M06QC150	104M06QC150	.10	0.5	150	27.4	9.9	16.8	20.8	5.59	4.47	4.25	3.79
539-104MACQRL150	104MACQRL150	.10	0.5	150	27.4	11.2	16.8	20.8	5.61	4.99	4.68	4.36

CORNELL DUBILIER UNL SERIES ELECTROFILM METALLIZED POLYPROPYLENE CAPACITORS

NEW FROM SUPPLIER

Designed for DC High Ripple Current Applications

Ideal for aluminum electrolytic replacement or applications requiring high ripple current capacitors.

Specifications:

- Capacitance Tolerance: ±10%
- Operating Temperature: -55°C to +85°C

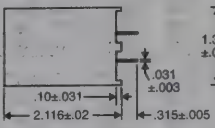
Features:

- Exceptionally low ESR
- Up to 10 times the ripple current
- 1.25 times rated surge voltage
- Non-polar
- Higher voltage ratings
- Dry construction - no electrolyte
- Improved reliability

Applications:

- High Voltage Inverters
- DC Bus Link
- DC Filtering
- RF Amplifiers
- Alternative Energy

DIMENSIONS: in.



RoHS Compliant

For quantities of 100 and up, call for quote.

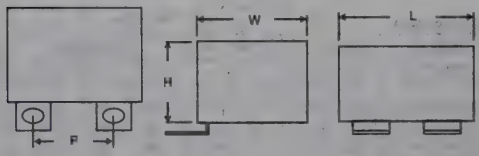
MOUSER STOCK NO.	CDE Part No.	Capacitance (µF)	VoltageVdc	ESR @ 100kHz (mW)	SRF (kHz)	Ripple Current @ 100kHz			Price Each				
						25°C (Arms)	50°C (Arms)	75°C (Arms)	1	5	10	20	50
598-UNL4W30K-F	UNL4W30K-F	30	400	6.0	155	24.2	19.4	14.6	26.16	22.14	20.13	18.11	16.10
598-UNL5W35K-F	UNL5W35K-F	35	500	8.0	144	22.0	18.2	13.0	38.51	32.59	29.63	26.66	23.70
598-UNL6W30K-F	UNL6W30K-F	30	600	9.0	155	20.7	17.0	12.0	26.55	22.47	20.43	18.38	16.34
598-UNL7W20K-F	UNL7W20K-F	20	750	10.0	190	19.0	16.0	9.9	31.20	26.40	24.00	21.60	19.20
598-UNL8W15K-F	UNL8W15K-F	15	800	10.0	219	18.8	15.0	9.8	30.23	25.58	23.25	20.93	18.60
598-UNL9W13P5K-F	UNL9W13P5K-F	13.5	900	10.5	231	18.0	14.5	9.6	27.63	23.38	21.25	19.13	17.00
598-UNL10W10K-F	UNL10W10K-F	10	1000	12.0	269	17.5	13.7	9.0	27.95	23.65	21.50	19.35	17.20
598-UNL12W7P5K-F	UNL12W7P5K-F	7.5	1200	13.5	310	16.0	12.0	8.4	25.51	21.59	19.63	17.66	15.70
598-UNL15W4P7K-F	UNL15W4P7K-F	4.7	1500	15.0	392	15.0	11.5	7.8	24.34	20.60	18.73	16.85	14.98

CORNELL DUBILIER IGBT SNUBBER CAPACITOR MODULES SCD SERIES

The SCD series offers protection against voltage transients in low to medium current IGBT applications where high dV/dt is encountered. Connect these capacitors from C1 to E2 on a dual IGBT module or form P to N on a six-pack module to eliminate severe voltage transients. Fits IGBTs with 23mm, 25mm, and 28mm lead spacing.

Features:

- High peak and RMS current capability
- Mount directly to the IGBT module
- Low loss polyproylene dielectric
- Self healing
- Low inductance <20nH
- 85°C ambient temperature



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µF)	ESR (mΩ)	dV/dt (V/µs)	Ipk(A)	Dimension: mm			Price Each			
						W	L	H	1	5	10	25
1000 Vdc (330 VAC)												
598-SCD474K102A	SCD474K102A3Z25	0.47	11	250	118	24.6	47	24	15.62	14.32	13.02	11.72
598-SCD684K102A	SCD684K102A3Z25	0.68	7	200	136	29	47	26.7	19.37	17.76	16.15	14.53
598-SCD105K102A	SCD105K102A3Z25	1	4	200	200	29	47	26.7	19.53	17.90	16.28	14.65
598-SCD155K102A	SCD155K102A3Z25	1.5	4	160	240	32.3	45.1	35.6	20.03	18.36	16.70	15.03
598-SCD205K102A	SCD205K102A3Z25	2	4	160	320	34.8	45.1	35.6	20.18	18.50	16.82	15.14
1200 Vdc (580 VAC)												
598-SCD224K122A	SCD224K122A3Z25	0.22	19	650	143	24.6	47	24	16.07	14.73	13.39	12.05
598-SCD334K122A	SCD334K122A3Z25	0.33	13	650	215	29	47	26.7	19.88	18.22	16.57	14.91
598-SCD474K122A	SCD474K122A3Z25	0.47	10	500	235	29	47	26.7	19.88	18.22	16.57	14.91
598-SCD105K122A	SCD105K122A3Z25	1	5	500	500	34.8	45.1	35.6	19.85	18.19	16.54	14.88
598-SCD205K122A	SCD205K122A3Z25	2	4	400	800	46.4	56.5	49.5	32.42	29.71	27.01	24.31
598-SCD305K122C	SCD305K122C3Z25	3	5	400	1200	76.2	62.9	38.1	38.72	35.49	32.26	29.04
1600 Vdc (630VAC)												
598-SCD334K162A	SCD334K162A3Z25	0.33	12	650	215	29	47	26.7	19.88	18.22	16.57	14.91
598-SCD474K162A	SCD474K162A3Z25	0.47	10	650	306	32.3	45.1	35.6	20.26	18.57	16.88	15.19
598-SCD105K162A	SCD105K162A3Z25	1	6	500	500	38.1	52	38.1	22.52	20.65	18.77	16.89
598-SCD205K162A	SCD205K162A3Z25	2	5	400	800	44.5	66.7	46.4	31.09	28.50	25.91	23.32
2000 Vdc (630VAC)												
598-SCD224K202A	SCD224K202A3Z25	0.22	19	800	176	24.6	47	24	16.41	15.05	13.68	12.31
598-SCD334K202A	SCD334K202A3Z25	0.33	13	800	264	32.3	45.1	35.6	19.94	18.28	16.62	14.96
598-SCD474K202A	SCD474K202A3Z25	0.47	10	600	282	34.3	56	30.5	21.04	19.29	17.54	15.78

CORNELL DUBILIER DPPM SERIES SNUBBER CAPACITORS

Type DPPM radial-leaded, metallized polypropylene capacitors utilize series wound extended foil with floating metallized common foil construction. Type DPPM offers excellent high frequency and high current capabilities and self-healing characteristics. With low inductance and high dV/dt characteristics, DPPM is ideal for snubber applications.

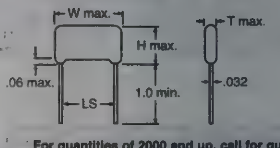
Specifications:

- Voltage range: 1000-2000VDC (450-500VAC)
- Capacitance range: .001-.047µF
- Capacitance tolerance: ±10%
- Operating temperature range: -40°C to 105°C full-rated voltage @ 85°C - derate linearly to 50% - rated voltage @ 105°C

RoHS Compliant

- Dielectric strength: 175%
- Dissipation Factor: .10% max.
- Insulation resistance: 400,000MΩ min.
- Life test: 500 hours at 85°C @ 150% rated voltage

DIMENSIONS: in.



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µF)	Dimensions: mm				Price Each			
			W	H	T	LS	1	10	100	1000
1000 Vdc (450 VAC)										
5989-1KV.001-F	DPPM10D1K-F	0.001	25.0	11.5	6.5	21.0	.88	.75	.63	.41
5989-1KV.0022-F	DPPM10D22K-F	0.0022	25.0	11.5	6.5	21.0	.88	.75	.63	.41
5989-1KV.0047-F	DPPM10D47K-F	0.0047	25.0	13.5	7.5	21.0	.93	.80	.67	.43
5989-1KV.01-1-F	DPPM10S1K-F	0.01	25.0	16.5	9.5	21.0	.99	.85	.70	.46
5989-1KV.015-1-F	DPPM10S15K-F	0.015	31.0	17.0	9.5	26.5	1.04	.89	.74	.51
5989-1KV.022-1-F	DPPM10S22K-F	0.022	31.0	18.5	11.0	26.5	1.53	1.30	1.09	.71
5989-1KV.033-1-F	DPPM10S33K-F	0.033	31.0	20.5	13.0	26.5	1.82	1.56	1.30	.84
1200 Vdc (475 VAC)										
5989-1.2KV.001-F	DPPM12D1K-F	0.001	25.0	11.5	6.5	21.0	.92	.80	.66	.43
5989-1.2KV.0015-F	DPPM12D15K-F	0.0015	25.0	11.5	6.5	21.0	.92	.80	.66	.43
5989-1.2KV.0022-F	DPPM12D22K-F	0.0022	25.0	12.5	7.0	21.0	.92	.80	.66	.43
5989-1.2KV.0033-F	DPPM12D33K-F	0.0033	25.0	13.0	7.5	21.0	1.01	.87	.72	.47
5989-1.2KV.0047-F	DPPM12D47K-F	0.0047	25.0	14.0	8.0	21.0	1.01	.87	.72	.47
5989-1.2KV.01-F	DPPM12S1K-F	0.01	31.0	16.0	9.0	21.0	1.13	.97	.82	.53
5989-1.2KV.015-F	DPPM12S15K-F	0.015	31.0	18.0	10.5	26.5	1.49	1.28	1.07	.69
5989-1.2KV.033-F	DPPM12S33K-F	0.033	31.0	22.0	14.0	26.5	2.24	1.92	1.60	1.04

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (µF)	Dimensions: mm				Price Each			
			W	H	T	LS	1	10	100	1000
1600 Vdc (500 VAC)										
5989-1.6KV.001-F	DPPM16D1K-F	0.001	25.0	11.5	6.5	21.0	.94	.82	.68	.44
5989-1.6KV.0015-F	DPPM16D15K-F	0.0015	25.0	12.5	7.0	21.0	.94	.82	.68	.44
5989-1.6KV.0022-F	DPPM16D22K-F	0.0022	25.0	15.0	8.0	21.0	.94	.82	.68	.44
5989-1.6KV.0033-F	DPPM16D33K-F	0.0033	25.0	16.5	9.5	21.0	1.06	.91	.75	.49
5989-1.6KV.0047-F	DPPM16D47K-F	0.0047	25.0	19.0	10.5	21.0	1.18	1.01	.84	.54
5989-1.6KV.01-F	DPPM16S1K-F	0.01	31.0	22.0	12.0	26.5	1.43	1.23	1.03	.66
5989-1.6KV.015-F	DPPM16S15K-F	0.015	31.0	24.5	15.0	26.5	1.82	1.56	1.30	.85
5989-1.6KV.022-F	DPPM16S22K-F	0.022	31.0	27.5	18.0	26.5	2.23	1.91	1.59	1.03
2000 Vdc (500 VAC)										
5989-2KV.001-F	DPPM20D1K-F	0.001	25.0	12.5	7.0	21.0	1.02	.87	.73	.47
5989-2KV.0015-F	DPPM20D15K-F	0.0015	25.0	14.0	8.0	21.0	1.02	.87	.73	.47
5989-2KV.0022-F	DPPM20D22K-F	0.0022	25.0	16.0	9.0	21.0	1.02	.87	.73	.47
5989-2KV.0033-F	DPPM20D33K-F	0.0033	25.0	17.5	10.5	21.0	1.21	1.04	.87	.56
5989-2KV.0047-F	DPPM20D47K-F	0.0047	31.0	19.0	10.0	26.5	1.34	1.15	.95	.62
5989-2KV.01-F	DPPM20S1K-F	0.01	31.0	22.0	14.0	26.5	1.74	1.48	1.24	.80
5989-2KV.015-F	DPPM20S15K-F	0.015	31.0	24.5	16.0	26.5	2.19	1.88	1.57	1.02

MALLORY Metallized Polyester Film Capacitors

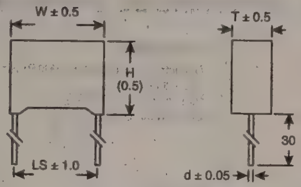
RoHS Compliant **This page of product is compliant.**

SUPPRESSOR METALLIZED POLYESTER FILM 158X SERIES - TYPE X2

MALLORY Cornell Dubilier Electronics, Inc.

Features:
- UL and CSA Approved
- Flame retardant case meets UL 94V0
- Polyurethane end fill meets UL 94V0
- Used in applications where damage to the capacitor will not lead to the danger of electrical shock

Specifications:
- Operating temperature: -40°C to +100°C
- Voltage range: 250V$_{RMS}$
- Tolerance: ±20%
- Lead material: tinned copper clad steel



RoHS Compliant

Safety Agency	Standard	File Number
UL	UL-1414	E151554
UL	UL-1283	E151553
CSA	C22 2, No.8-M1986	LR37404-33M
VDE	VDE0565-1	18022-4670-1700
SEMKO	SS443-04-01	9308002
SEV	SEV1055	92.552158.01
EI	E384/14-82 (IEC384-14, 1981)	164090-01
DEMKO	Heavy Current Regulations Section 21 and IEC384-14	112398EC/121
NEMKO	NEMKO132/85	M70107

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mallory Part No.	Value (μF)	Dimensions: mm					Price Each			
			W	T	H	LS	d	1	50	100	500
539-158X103	158X103	.010	17.0	5.0	12.0	15.0	0.6	.68	.61	.55	.43
539-158X223	158X223	.022	17.0	5.0	12.0	15.0	0.6	.68	.61	.55	.43
539-158X333	158X333	.033	17.0	5.0	12.0	15.0	0.6	.81	.73	.65	.52
539-158X473	158X473	.047	17.0	5.5	12.5	15.0	0.8	.70	.62	.56	.44
539-158X104	158X104	.100	17.0	8.0	15.0	15.0	0.8	.71	.63	.57	.45
539-158X224	158X224	.220	25.0	8.0	17.5	22.5	0.8	1.18	1.06	.95	.75
539-158X334	158X334	.330	25.0	10.0	19.5	22.5	0.8	1.67	1.51	1.34	1.07
539-158X474	158X474	.470	30.0	11.0	22.0	27.5	0.8	1.73	1.55	1.38	1.11
539-158X684	158X684	.680	30.0	13.5	24.5	27.5	0.8	3.11	2.80	2.48	1.99
539-158X105	158X105	1.0	30.5	15.0	24.5	27.5	1.0	3.95	3.55	3.16	2.53
539-158X225	158X225	2.2	41.0	17.5	32.8	37.5	1.0	7.90	7.12	6.32	5.05

METALLIZED POLYESTER FILM, RADIAL

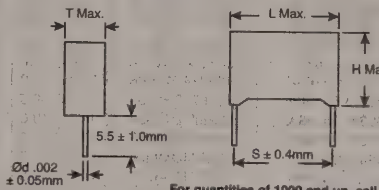
MALLORY Cornell Dubilier Electronics, Inc.

RoHS Compliant

Excellent choice for general purpose applications such as blocking, bypass, decoupling, smoothing and some timing, energy storage/discharge and arc suppression.

Features:
- Non-Polar
- Low leakage
- Non inductively wound
- Epoxy Encapsulent meets UL94V-0
- Flame retardant case meets UL94V-0

Specifications:
- Operating temperature: -55°C to +125°C
- Voltage range: 160 series - 63V to 650V
  168 series - 50 to 400V
- Capacitance range: 160 series - .0033uF to 3.3uF
  168 series - .001uF to 1uF
- Tolerance: 5%,10%



160 SERIES

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CDE Part No.	Value (μF)	Tol. ±	Dimensions: mm					Price Each			
				L	l	H	S	Ød	1	50	100	500
63 Vdc (40 VAC)												
539-160474K63D-F	160474K63D-F	0.47	10%	13	5	11	10	0.8	.67	.62	.56	.47
539-160105J63E-F	160105J63E-F	1.0	5%	13	6	12	10	0.8	1.16	1.09	.97	.83
100 Vdc (63 VAC)												
539-160104K100C-F	160104K100C-F	0.1	10%	13	4	9.5	10	0.8	.55	.51	.46	.40
539-160124J100C-F	160124J100C-F	0.12	5%	13	4	9.5	10	0.8	.59	.56	.49	.42
539-160154J100C-F	160154J100C-F	0.15	5%	13	4	9.5	10	0.8	.65	.61	.55	.46
539-160224K100D-F	160224K100D-F	0.22	10%	13	5	11	10	0.8	.46	.43	.39	.33
539-160224J100D-F	160224J100D-F	0.22	5%	13	5	11	10	0.8	.47	.44	.38	.33
539-160334J100E-F	160334J100E-F	0.33	5%	13	6	12	10	0.8	.52	.48	.44	.37
539-160474K100F-F	160474K100F-F	0.47	10%	13	6	12	10	0.8	.66	.61	.55	.46
539-160105K100H-F	160105K100H-F	1.0	10%	18	7.5	13.5	15	0.8	1.05	.99	.88	.75
539-160335K100O-F	160335K100O-F	3.3	10%	26.5	10	19	22.5	0.8	1.94	1.81	1.62	1.38
250 Vdc (160 VAC)												
539-160333K250C-F	160333K250C-F	0.033	10%	13	4	935	10	0.8	.54	.51	.45	.38
539-160473K250C-F	160473K250C-F	0.047	10%	13	4	935	10	0.8	.57	.54	.47	.41
~~539-160683K250C-F~~	160683K250C-F	0.068	10%	13	4	935	10	0.8	.40	.37	.33	.28
539-160104J250D-F	160104J250D-F	0.1	5%	13	5	11	10	0.8	.40	.37	.31	.28
539-160104K250D-F	160104K250D-F	0.1	10%	13	5	11	10	0.8	.38	.34	.31	.27
539-160224J250F-F	160224J250F-F	0.22	5%	18	5	11	15	0.8	.55	.51	.44	.39
539-160334J250G-F	160334J250G-F	0.33	5%	18	6	12	15	0.8	.71	.66	.59	.51
539-160105K250N-F	160105K250N-F	1.0	10%	26.5	8.5	17	22.5	0.8	1.31	1.22	1.10	.92
539-160225J250P-F	160225J250P-F	2.2	5%	32	11	20	27.5	0.8	2.31	2.17	1.95	1.64
539-160335J250Q-F	160335J250Q-F	3.3	5%	32	13	22.5	27.5	0.8	2.99	2.79	2.50	2.12
400 Vdc (200 VAC)												
539-160104J400G-F	160104J400G-F	0.1	5%	18	6	12	15	0.8	.67	.62	.56	.47
630 Vdc (220 VAC)												
539-160103K630C-F	160103K630C-F	0.01	10%	13	4	9.5	10	0.8	.57	.54	.48	.41
539-160103J630C-F	160103J630C-F	0.01	5%	13	4	9.5	10	0.8	.62	.58	.52	.44
539-160104J630L-F	160104J630L-F	0.1	5%	26.5	6	15	22.5	0.8	1.15	1.08	.97	.82
1000 Vdc (250 VAC)												
539-160222J1000C-F	160222J1000C-F	0.0022	5%	13	4	9.5	10	0.8	.36	.34	.30	.26
539-160104J1000N-F	160104J1000N-F	0.1	5%	26.5	8.5	17	22.5	0.8	1.56	1.46	1.31	1.11

168 SERIES

For quantities of 1000 and up, call for quote.

50 Vdc (30 VAC)												
539-168224J50C-F	168224J50C-F	0.22	5%	7.2	3.5	7.5	5	0.6	.46	.42	.37	.32
539-168105J50G-F	168105J50G-F	1	5%	7.2	6	11	5	0.6	1.03	.95	.83	.73
63 Vdc (40 VAC)												
539-168473J63A-F	168473J63A-F	0.047	5%	7.2	2.5	6.5	5	0.6	.35	.31	.27	.24
539-168104J63A-F	168104J63A-F	0.1	5%	7.2	2.5	6.5	5	0.6	.30	.28	.24	.21
539-168224J63C-F	168224J63C-F	0.22	5%	7.2	3.5	7.5	5	0.6	.49	.45	.40	.34
539-168334K63H-F	168334K63H-F	0.33	10%	7.2	4.5	8.5	5	0.6	.55	.50	.44	.39
539-168474J63H-F	168474J63H-F	0.47	5%	7.2	4.5	8.5	5	0.6	.70	.65	.56	.49
100 Vdc (63 VAC)												
539-168332J100A-F	168332J100A-F	0.0033	5%	7.2	2.5	6.5	5	0.6	.35	.32	.28	.24
539-168332J100A-F	168472J100A-F	0.0047	5%	7.2	2.5	6.5	5	0.6	.35	.32	.28	.24
539-168103J100A-F	168103J100A-F	0.01	5%	7.2	2.5	6.5	5	0.6	.30	.28	.24	.21
539-168223J100A-F	168223J100A-F	0.022	5%	7.2	2.5	6.5	5	0.6	.35	.31	.27	.24
539-168333J100C-F	168333J100C-F	0.033	5%	7.2	3.5	7.5	5	0.6	.35	.32	.28	.24
539-168473J100C-F	168473J100C-F	0.047	5%	7.2	3.5	7.5	5	0.6	.38	.35	.30	.27
539-168104J100H-F	168104J100H-F	0.1	5%	7.2	4.5	8.5	5	0.6	.40	.37	.32	.28

EPCOS DC Link Film Capacitors

RoHS Compliant This page of product is compliant.

EPCOS

EPCOS MKP 2/4 PINS - SWITCHING DC LINK FILM CAPACITORS

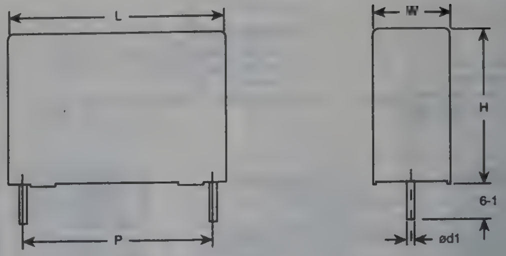
DIMENSIONS: mm

Marking:
- Manufactacturer's logo
- Rated Capacitance
- Tolerance
- Rated DC voltage
- Type Number

Construction:
- Dielectric: Polypropylene (MKP) film
- Wound technology
- Plastic case (UL 94 V-0)
- Epoxy resin sealing

Specifications:
- Maximum operating temperature: 100°C
- DC test voltage between terminations (to IEC61017): 1.5 x V_R, 10 s / 1.65 x V_R, 2 s
- Max. peak Current: C (µF) x dv/dt (V/µs)
- Peak non-repetitive current: 1.5 x I_P

Terminals:
- Parallel wire leads, lead-free tinned



RoHS Compliant

2 Pin Film Capacitors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Max. Dimensions mm			Value (µF)	dv/dt V/uS	Lead Space (P) (mm)	Lead Dia. (mm)	Voltage (DC) (85°C)	Voltage (DC) (70°C)	Voltage (VAC rms)	Price Each			
		W	H	L								1	25	100	500
871-B32674D3225K	B32674D3225K	11.0	19.0	31.5	2.2	40	27.5	0.8	300	450	160	2.65	1.99	1.70	1.35
871-B32674D3335K	B32674D3335K	12.5	21.5	31.5	3.3	40	27.5	0.8	300	450	160	2.65	1.99	1.70	1.35
871-B32674D3475K	B32674D3475K	14.0	24.5	31.5	4.7	40	27.5	0.8	300	450	160	2.52	1.87	1.63	1.42
871-B32674D3565K	B32674D3565K	15.0	24.5	31.5	5.6	40	27.5	0.8	300	450	160	2.75	2.04	1.77	1.54
871-B32674D3685K	B32674D3685K	18.0	27.5	31.5	6.8	40	27.5	0.8	300	450	160	3.44	2.55	2.22	1.93
871-B32674D3805K	B32674D3805K	16.0	32.0	31.5	8.0	40	27.5	0.8	300	450	160	4.37	3.24	2.82	2.45
871-B32674D3825K	B32674D3825K	18.0	33.0	31.5	8.2	40	27.5	0.8	300	450	160	4.59	3.40	2.96	2.57
871-B32674D3106K	B32674D3106K	21.0	31.0	31.5	10	40	27.5	0.8	300	450	160	5.05	3.74	3.25	2.83
871-B32674D3126K	B32674D3126K	22.0	36.5	31.5	12	40	27.5	0.8	300	450	160	5.51	4.08	3.55	3.09
871-B32674D4155K	B32674D4155K	11.0	19.0	31.5	1.5	75	27.5	0.8	450	630	275	1.62	1.20	1.04	.90
871-B32674D4225K	B32674D4225K	12.5	21.5	31.5	2.2	75	27.5	0.8	450	630	275	2.65	1.99	1.70	1.35
871-B32674D4335K	B32674D4335K	15.0	24.5	31.5	3.3	75	27.5	0.8	450	630	275	2.30	1.70	1.48	1.29
871-B32674D4475K	B32674D4475K	18.0	27.5	31.5	4.7	75	27.5	0.8	450	630	275	3.21	2.38	2.07	1.80
871-B32674D4505K	B32674D4505K	16.0	32.0	31.5	5.0	75	27.5	0.8	450	630	275	3.92	2.90	2.52	2.19
871-B32674D4565K	B32674D4565K	16.0	33.0	31.5	5.6	75	27.5	0.8	450	630	275	4.37	3.24	2.82	2.45
871-B32674D4605K	B32674D4605K	21.0	31.0	31.5	6.0	75	27.5	0.8	450	630	275	4.37	3.24	2.82	2.45
871-B32674D4685K	B32674D4685K	22.0	36.5	31.5	6.8	75	27.5	0.8	450	630	275	4.83	3.58	3.11	2.70
871-B32674D4755K	B32674D4755K	22.0	36.5	31.5	7.5	75	27.5	0.8	450	630	275	4.83	3.58	3.11	2.70
871-B32674D6105K	B32674D6105K	11.0	19.0	31.5	1.0	100	27.5	0.8	630	800	350	1.38	1.02	.89	.77
871-B32674D6155K	B32674D6155K	12.5	21.5	31.5	1.5	100	27.5	0.8	630	800	350	1.62	1.20	1.04	.90
871-B32674D6225K	B32674D6225K	15.0	24.5	31.5	2.2	100	27.5	0.8	630	800	350	2.07	1.53	1.33	1.16
871-B32674D6335K	B32674D6335K	16.0	32.0	31.5	3.3	100	27.5	0.8	630	800	350	3.44	2.55	2.22	1.93
871-B32674D6475K	B32674D6475K	22.0	36.5	31.5	4.7	100	27.5	0.8	630	800	350	3.92	2.90	2.52	2.19
871-B32674D6505K	B32674D6505K	22.0	36.5	31.5	5.0	100	27.5	0.8	630	800	350	3.92	2.90	2.52	2.19
871-B32674D1684K	B32674D1684K	11.0	19.0	31.5	0.68	125	27.5	0.8	750	900	375	1.38	1.02	.89	.77
871-B32674D1105K	B32674D1105K	12.5	21.5	31.5	1.0	125	27.5	0.8	750	900	375	1.62	1.20	1.04	.90
871-B32674D1155K	B32674D1155K	14.0	24.5	31.5	1.5	125	27.5	0.8	750	900	375	2.65	1.99	1.70	1.35
871-B32674D1225K	B32674D1225K	18.0	27.5	31.5	2.2	125	27.5	0.8	750	900	375	2.75	2.04	1.77	1.54
871-B32674D1335K	B32674D1335K	21.0	31.0	31.5	3.3	125	27.5	0.8	750	900	375	3.92	2.90	2.52	2.19
871-B32674D1405K	B32674D1405K	22.0	36.5	31.5	4.0	125	27.5	0.8	750	900	375	4.14	3.07	2.67	2.32
871-B32674D8684K	B32674D8684K	11.0	21.0	31.5	0.68	150	27.5	0.8	875	1050	400	1.38	1.02	.89	.77
871-B32674D8105K	B32674D8105K	13.5	23.0	31.5	1.0	150	27.5	0.8	875	1050	400	1.62	1.20	1.04	.90
871-B32674D8155K	B32674D8155K	18.0	27.5	31.5	1.5	150	27.5	0.8	875	1050	400	2.52	1.87	1.63	1.42
871-B32674D8225K	B32674D8225K	18.0	33.0	31.5	2.2	150	27.5	0.8	875	1050	400	3.69	2.73	2.37	2.06
871-B32674D8305K	B32674D8305K	22.0	36.5	31.5	3.0	150	27.5	0.8	875	1050	400	4.14	3.07	2.67	2.32
871-B32674D8474K	B32674D8474K	11.0	19.0	31.5	0.47	100	27.5	0.8	875	1050	400	1.38	1.02	.89	.77
871-B32676E3335K	B32676E3335K	12.0	22.0	42.0	3.3	22	37.5	1.0	300	450	160	3.21	2.38	2.07	1.80
871-B32676E3475K	B32676E3475K	12.0	22.0	42.0	4.7	22	37.5	1.0	300	450	160	3.44	2.55	2.22	1.93
871-B32676E3565K	B32676E3565K	14.0	25.0	42.0	5.6	22	37.5	1.0	300	450	160	3.92	2.90	2.52	2.19
871-B32676E3655K	B32676E3655K	14.0	25.0	42.0	6.5	22	37.5	1.0	300	450	160	4.14	3.07	2.67	2.32
871-B32676E3685K	B32676E3685K	16.0	28.5	42.0	6.8	22	37.5	1.0	300	450	160	4.37	3.24	2.82	2.45
871-B32676E3106K	B32676E3106K	18.0	32.5	42.0	10	22	37.5	1.0	300	450	160	5.51	4.08	3.55	3.09
871-B32676E3126K	B32676E3126K	18.0	32.5	42.0	12	22	37.5	1.0	300	450	160	5.98	4.43	3.85	3.35
871-B32676E3156K	B32676E3156K	20.0	39.5	42.0	15	22	37.5	1.0	300	450	160	7.13	5.28	4.59	3.99
871-B32676E3206K	B32676E3206K	28.0	37.0	42.0	20	22	37.5	1.0	300	450	160	9.19	6.81	5.92	5.15
871-B32676E3226K	B32676E3226K	28.0	42.5	42.0	22	22	37.5	1.0	300	450	160	9.65	7.15	6.22	5.41
871-B32676E3256K	B32676E3256K	28.0	42.5	42.0	25	22	37.5	1.0	300	450	160	10.11	7.49	6.51	5.66
871-B32676E3306K	B32676E3306K	30.0	45.0	42.0	30	22	37.5	1.0	300	450	160	13.11	9.71	8.44	7.34
871-B32676E4225K	B32676E4225K	12.0	22.0	42.0	2.2	54	37.5	1.0	450	630	275	2.98	2.21	1.92	1.67
871-B32676E4305K	B32676E4305K	12.0	22.0	42.0	3.0	54	37.5	1.0	450	630	275	3.21	2.38	2.07	1.80
871-B32676E4335K	B32676E4335K	14.0	25.0	42.0	3.3	54	37.5	1.0	450	630	275	5.76	4.99	4.49	3.75
871-B32676E4405K	B32676E4405K	14.0	25.0	42.0	4.0	54	37.5	1.0	450	630	275	2.85	2.45	2.23	2.03
871-B32676E4475K	B32676E4475K	16.0	28.5	42.0	4.7	54	37.5	1.0	450	630	275	4.14	3.07	2.67	2.32
871-B32676E4565K	B32676E4565K	16.0	28.5	42.0	5.6	54	37.5	1.0	450	630	275	4.37	3.24	2.82	2.45
871-B32676E4685K	B32676E4685K	18.0	32.5	42.0	6.8	54	37.5	1.0	450	630	275	5.28	3.91	3.40	2.96
871-B32676E4825K	B32676E4825K	20.0	39.5	42.0	8.2	54	37.5	1.0	450	630	275	6.20	4.59	3.99	3.47
871-B32676E4106K	B32676E4106K	20.0	39.5	42.0	10	54	37.5	1.0	450	630	275	6.90	5.11	4.44	3.86
871-B32676E4156K	B32676E4156K	28.0	42.5	42.0	15	54	37.5	1.0	450	630	275	8.96	6.64	5.77	5.02
871-B32676E4206K	B32676E4206K	30.0	45.0	42.0	20	54	37.5	1.0	450	630	275	11.93	8.84	7.69	6.69
871-B32676E6205K	B32676E6205K	12.0	22.0	42.0	2.0	73	37.5	1.0	630	800	350	2.98	2.21	1.92	1.67
871-B32676E6275K	B32676E6275K	14.0	25.0	42.0	2.7	73	37.5	1.0	630	800	350	3.21	2.38	2.07	1.80
871-B32676E6335K	B32676E6335K	16.0	28.5	42.0	3.3	73	37.5	1.0	630	800	350	5.76	4.99	4.49	3.75
871-B32676E6405K	B32676E6405K	16.0	28.5	42.0	4.0	73	37.5	1.0	630	800	350	5.76	4.99	4.49	3.75
871-B32676E6475K	B32676E6475K	18.0	32.5	42.0	4.7	73	37.5	1.0	630	800	350	4.37	3.24	2.82	2.45
871-B32676E6685K	B32676E6685K	20.0	39.5	42.0	6.8	73	37.5	1.0	630	800	350	5.51	4.08	3.55	3.09
871-B32676E6755K	B32676E6755K	20.0	39.5	42.0	7.5	73	37.5	1.0	630	800	350	5.75	4.26	3.70	3.22
871-B32676E6825K	B32676E6825K	28.0	37.0	42.0	8.2	73	37.5	1.0	630	800	350	6.43	4.76	4.14	3.60

EPCOS DC Link Film Capacitors

RoHS Compliant This page of product is compliant.

EPCOS

EPCOS MKP 2/4 PINS - SWITCHING DC LINK FILM CAPACITORS

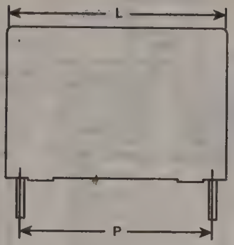
DIMENSIONS: mm

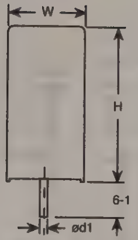
Marking:
- Manufactacturer's logo
- Rated Capacitance
- Tolerance
- Rated DC voltage
- Type Number

Construction:
- Dielectric: Polypropylene (MKP) film
- Wound technology
- Plastic case (UL 94 V-0)
- Epoxy resin sealing

Specifications:
- Maximum operating temperature: 100°C
- DC test voltage between terminations (to IEC61017): 1.5 x V_R, 10 s / 1.65 x V_R, 2 s
- Max. peak Current: C (μF) x dv/dt (V/μs)
- Peak non-repetitive current: 1.5 x I_P

Terminals:
- Parallel wire leads, lead-free tinned





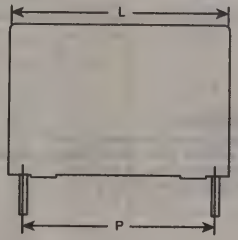
RoHS Compliant

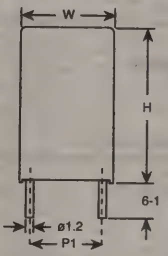
2 Pin Film Capacitors Cont.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Max. Dimensions mm			Value (μF)	dv/dt V/uS	Lead Space (P) (mm)	Lead Dia. (mm)	Voltage (DC) (85°C)	Voltage (DC) (70°C)	Voltage (VAC rms)	Price Each			
		W	H	L								1	25	100	500
871-B32676E6106K	B32676E6106K	28.0	42.5	42.0	10	73	37.5	1.0	630	800	350	7.36	5.45	4.74	4.12
871-B32676E6126K	B32676E6126K	28.0	42.5	42.0	12	73	37.5	1.0	630	800	350	7.59	5.62	4.89	4.25
871-B32676E6146K	B32676E6146K	30.0	45.0	42.0	14	73	37.5	1.0	630	800	350	9.87	7.31	6.36	5.53
871-B32676E1155K	B32676E1155K	12.0	22.0	42.0	1.5	85	37.5	1.0	750	900	375	2.98	2.21	1.92	1.67
871-B32676E1205K	B32676E1205K	14.0	25.0	42.0	2.0	85	37.5	1.0	750	900	375	3.44	2.55	2.22	1.93
871-B32676E1335K	B32676E1335K	18.0	32.5	42.0	3.3	85	37.5	1.0	750	900	375	4.37	3.24	2.82	2.45
871-B32676E1475K	B32676E1475K	20.0	39.5	42.0	4.7	85	37.5	1.0	750	900	375	5.28	3.91	3.40	2.96
871-B32676E1565K	B32676E1565K	20.0	39.5	42.0	5.6	85	37.5	1.0	750	900	375	5.75	4.26	3.70	3.22
871-B32676E1685K	B32676E1685K	28.0	37.0	42.0	6.8	85	37.5	1.0	750	900	375	6.43	4.76	4.14	3.60
871-B32676E1905K	B32676E1905K	28.0	42.5	42.0	9.0	85	37.5	1.0	750	900	375	7.83	5.80	5.04	4.38
871-B32676E1106K	B32676E1106K	30.0	45.0	42.0	10	85	37.5	1.0	750	900	375	9.65	7.15	6.22	5.41
871-B32676E8105K	B32676E8105K	12.0	22.0	42.0	1.0	100	37.5	1.0	875	1050	400	2.98	2.21	1.92	1.67
871-B32676E8155K	B32676E8155K	18.0	27.5	31.5	1.5	100	37.5	1.0	875	1050	400	3.21	2.38	2.07	1.80
871-B32676E8225K	B32676E8225K	16.0	28.5	42.0	2.2	100	37.5	1.0	875	1050	400	3.69	2.73	2.37	2.06
871-B32676E8335K	B32676E8335K	20.0	39.5	42.0	3.3	100	37.5	1.0	875	1050	400	5.28	3.91	3.40	2.96
871-B32676E8405K	B32676E8405K	20.0	39.5	42.0	4.0	100	37.5	1.0	875	1050	400	5.51	4.08	3.55	3.09
871-B32676E8475K	B32676E8475K	28.0	37.0	42.0	4.7	100	37.5	1.0	875	1050	400	7.59	5.62	4.89	4.25
871-B32676E8685K	B32676E8685K	28.0	42.5	42.0	6.8	100	37.5	1.0	875	1050	400	7.83	5.80	5.04	4.38
871-B32676E8755K	B32676E8755K	30.0	45.0	42.0	7.5	100	37.5	1.0	875	1050	400	9.65	7.15	6.22	5.41

DIMENSIONS: mm





RoHS Compliant

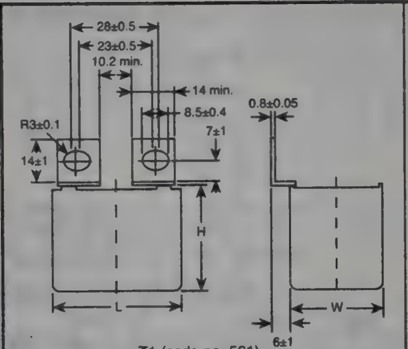
4 Pin Film Capacitors

For quantities of 100 and up, call for quote.

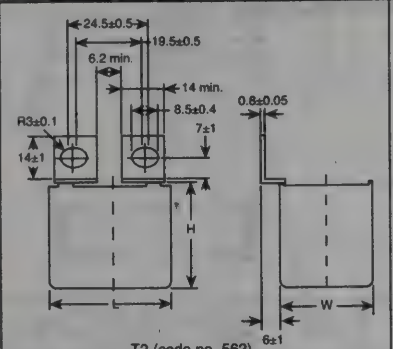
MOUSER STOCK NO.	Epcos Part No.	Max. Dimensions mm			Value (μF)	dv/dt V/uS	Lead Space (P) (mm)	Lead Space (P1) (mm)	Voltage (DC) (85°C)	Voltage (DC) (70°C)	Voltage (VAC rms)	Price Each			
		W	H	L								1	25	100	500
871-B32676G3156K	B32676G3156K	20.0	39.5	42.0	15	22	37.5	10.2	300	450	160	10.11	7.49	6.51	5.66
871-B32676G3206K	B32676G3206K	28.0	37.0	42.0	20	22	37.5	10.2	300	450	160	10.80	8.00	6.96	6.05
871-B32676G3226K	B32676G3226K	28.0	42.5	42.0	22	22	37.5	20.3	300	450	160	11.27	8.35	7.26	6.31
871-B32676G3256K	B32676G3256K	28.0	42.5	42.0	25	22	37.5	20.3	300	450	160	11.93	8.84	7.69	6.69
871-B32676G3306K	B32676G3306K	30.0	45.0	42.0	30	15	37.5	20.3	300	450	160	12.87	9.53	8.29	7.21
871-B32678G3306K	B32678G3306K	30.0	45.0	57.5	33	15	52.5	20.3	300	450	160	13.78	10.21	8.88	7.72
871-B32678G3356K	B32678G3356K	30.0	45.0	57.5	35	15	52.5	20.3	300	450	160	15.15	11.22	9.76	8.49
871-B32678G3406K	B32678G3406K	30.0	45.0	57.5	40	15	52.5	20.3	300	450	160	16.55	12.26	10.66	9.27
871-B32678G3476K	B32678G3476K	35.0	50.0	57.5	47	15	52.5	20.3	300	450	160	19.29	14.29	12.43	10.81
871-B32678G3606K	B32678G3606K	35.0	50.0	57.5	60	15	52.5	20.3	300	450	160	20.68	15.32	13.32	11.58
871-B32676G4825K	B32676G4825K	20.0	39.5	42.0	8.2	54	37.5	10.2	450	630	275	7.36	5.45	4.74	4.12
871-B32676G4106K	B32676G4106K	20.0	39.5	42.0	10	54	37.5	10.2	450	630	275	8.49	6.29	5.47	4.76
871-B32676G4156K	B32676G4156K	28.0	42.5	42.0	15	54	37.5	10.2	450	630	275	10.34	7.66	6.66	5.79
871-B32676G4206K	B32676G4206K	30.0	45.0	42.0	20	54	37.5	20.3	450	630	275	12.41	9.19	7.99	6.95
871-B32678G4206K	B32678G4206K	30.0	45.0	57.5	20	35	52.5	20.3	450	630	275	12.41	9.19	7.99	6.95
871-B32678G4256K	B32678G4256K	30.0	45.0	57.5	25	35	52.5	20.3	450	630	275	14.72	10.90	9.48	8.24
871-B32678G4306K	B32678G4306K	35.0	50.0	57.5	30	35	52.5	20.3	450	630	275	15.39	11.40	9.91	8.62
871-B32678G4356K	B32678G4356K	35.0	50.0	57.5	35	35	52.5	20.3	450	630	275	16.55	12.26	10.66	9.27
871-B32676G6685K	B32676G6685K	20.0	39.5	42.0	6.8	73	37.5	10.2	630	800	350	7.13	5.28	4.59	3.99
871-B32676G6755K	B32676G6755K	20.0	39.5	42.0	7.5	73	37.5	10.2	630	800	350	7.59	5.62	4.89	4.25
871-B32676G6825K	B32676G6825K	28.0	37.0	42.0	8.2	73	37.5	10.2	630	800	350	8.72	6.46	5.62	4.89
871-B32676G6106K	B32676G6106K	28.0	42.5	42.0	10	73	37.5	20.3	630	800	350	9.42	6.98	6.07	5.28
871-B32676G6126K	B32676G6126K	28.0	42.5	42.0	12	73	37.5	20.3	630	800	350	10.11	7.49	6.51	5.66
871-B32676G6146K	B32676G6146K	30.0	45.0	42.0	14	73	37.5	20.3	630	800	350	10.11	7.49	6.51	5.66
871-B32678G6156K	B32678G6156K	30.0	45.0	57.5	15	50	52.5	20.3	630	800	350	11:27	8.35	7.26	6.31
871-B32678G6206K	B32678G6206K	35.0	50.0	57.5	20	50	52.5	20.3	630	800	350	14.26	10.56	9.18	7.98
871-B32678G6256K	B32678G6256K	35.0	50.0	57.5	25	50	52.5	20.3	630	800	350	15.62	11.57	10.06	8.75
871-B32676G1475K	B32676G1475K	20.0	39.5	42.0	4.7	85	37.5	10.2	750	900	375	7.36	5.45	4.74	4.12
871-B32676G1565K	B32676G1565K	20.0	39.5	42.0	5.6	85	37.5	10.2	750	900	375	7.83	5.80	5.04	4.38
871-B32676G1685K	B32676G1685K	28.0	37.0	42.0	6.8	85	37.5	20.3	750	900	375	9.19	6.81	5.92	5.15
871-B32676G1905K	B32676G1905K	28.0	42.5	42.0	9.0	85	37.5	20.3	750	900	375	10.57	7.83	6.81	5.92
871-B32676G1106K	B32676G1106K	30.0	45.0	42.0	10	85	37.5	20.3	750	900	375	11.04	8.18	7.11	6.18
871-B32678G1156K	B32678G1156K	30.0	45.0	57.5	15	60	52.5	20.3	750	900	375	13.55	10.04	8.73	7.59
871-B32678G1206K	B32678G1206K	35.0	50.0	57.5	20	60	52.5	20.3	750	900	375	14.94	11.07	9.63	8.37
871-B32676G8335K	B32676G8335K	20.0	39.5	42.0	3.3	100	37.5	10.2	875	1050	400	7.36	5.45	4.74	4.12
871-B32676G8405K	B32676G8405K	20.0	39.5	42.0	4.0	100	37.5	10.2	875	1050	400	7.83	5.80	5.04	4.38
871-B32676G8475K	B32676G8475K	28.0	37.0	42.0	4.7	100	37.5	20.3	875	1050	400	9.19	6.81	5.92	5.15
871-B32676G8755K	B32676G8755K	30.0	45.0	42.0	7.5	100	37.5	20.3	875	1050	400	11.50	8.52	7.41	6.44
871-B32678G8106K	B32678G8106K	30.0	45.0	57.5	10	70	52.5	20.3	875	1050	400	11.27	8.35	7.26	6.31
871-B32678G8156K	B32678G8156K	35.0	50.0	57.5	15	70	52.5	20.3	875	1050	400	14.49	10.73	9.33	8.11

EPCOS Film Snubber Capacitors

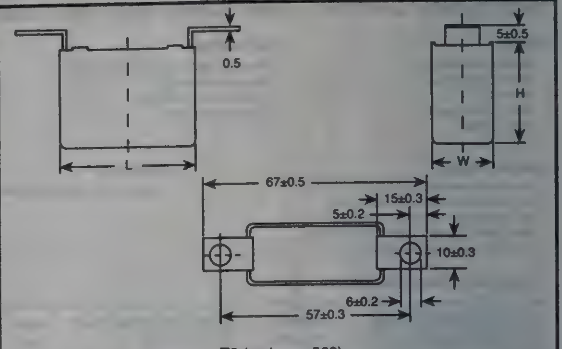
RoHS Compliant **This page of product is compliant.**



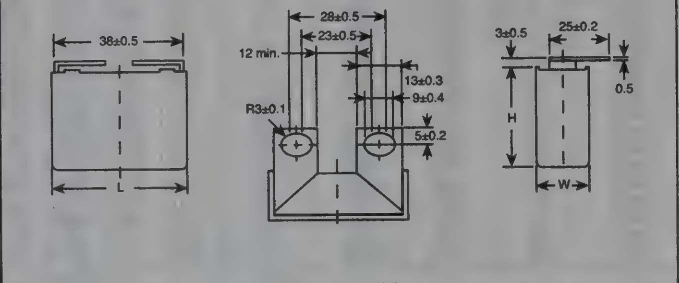
T1 (code no. 561)



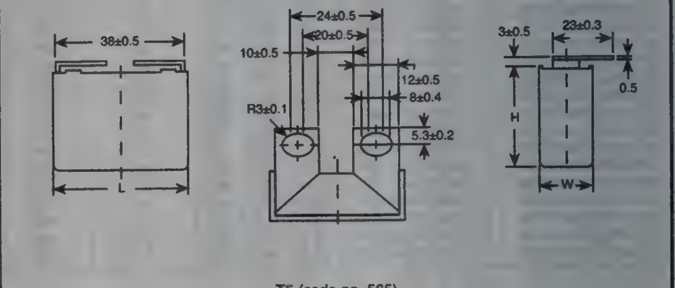
T2 (code no. 562)



T3 (code no. 563)



T4 (code no. 564)



T5 (code no. 565)

DIMENSIONS: mm

EPCOS MKP SNUBBER CAPACITORS

Marking:
- Manufactacturer's logo
- Ordering code
- Style (MKP)
- Rated Capacitance (coded)
- Cap
- Tolerance (code letter)
- Rated DC voltage
- Date of manufacture (coded)

Construction:
- Dielectric: Polypropylene (MKP) film
- Wound technology with internal series connection
- Plastic case (UL 94 V-0)
- Epoxy resin sealing (UL 94 V-0)

Specifications:
- Maximum operating temperature: 100°C
- Strap terminals, tinned copper (maximum torque 10 Nm)
- Max. Operating Temperature: +100°C
- Rated Temperature: +85°C -55°C

Pulse Handling Capability:
"dv/dt" values represents the maximum permissible voltage change per unit of time for non-sinusoidal voltages, expressed in V/μs.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (μF)	VDC	Terminal	Max. Dimensions mm			dv/dt V/uS	VAC (rms)	ESR @ 100 KHz	Irms @ 100 KHz	Price Each			
					W	H	L					1	25	100	500
871-B32656S0474K563	B32656S0474K563	0.47	1000	T3	14	25	42	450	480	8	9	8.71	6.45	5.61	4.88
871-B32656S0474K564	B32656S0474K564	0.47	1000	T4	14	25	42	450	480	8	9	8.71	6.45	5.61	4.88
871-B32656S0474K565	B32656S0474K565	0.47	1000	T5	14	25	42	450	480	8	9	8.71	6.45	5.61	4.88
871-B32656S0684K563	B32656S0684K563	0.68	1000	T3	16	28.5	42	450	480	6	10	9.23	6.84	5.95	5.17
871-B32656S0684K564	B32656S0684K564	0.68	1000	T4	16	28.5	42	450	480	6	10	9.23	6.84	5.95	5.17
871-B32656S0684K565	B32656S0684K565	0.68	1000	T5	16	28.5	42	450	480	6	10	9.23	6.84	5.95	5.17
871-B32656S0105K561	B32656S0105K561	1.0	1000	T1	20	39.5	42	450	480	6	12	9.56	7.08	6.16	5.36
871-B32656S0105K562	B32656S0105K562	1.0	1000	T2	20	39.5	42	450	480	6	12	9.56	7.08	6.16	5.36
871-B32656S0105K563	B32656S0105K563	1.0	1000	T3	20	39.5	42	450	480	6	12	9.56	7.08	6.16	5.36
871-B32656S0105K564	B32656S0105K564	1.0	1000	T4	20	39.5	42	450	480	6	12	9.56	7.08	6.16	5.36
871-B32656S0105K565	B32656S0105K565	1.0	1000	T5	20	39.5	42	450	480	6	12	9.56	7.08	6.16	5.36
871-B32656S0125K561	B32656S0125K561	1.2	1000	T1	20	39.5	42	450	480	5	13	10.26	7.60	6.61	5.75
871-B32656S0125K562	B32656S0125K562	1.2	1000	T2	20	39.5	42	450	480	5	13	10.26	7.60	6.61	5.75
871-B32656S0125K563	B32656S0125K563	1.2	1000	T3	20	39.5	42	450	480	5	13	10.26	7.60	6.61	5.75
871-B32656S0125K564	B32656S0125K564	1.2	1000	T4	20	39.5	42	450	480	5	13	10.26	7.60	6.61	5.75
871-B32656S0125K565	B32656S0125K565	1.2	1000	T5	20	39.5	42	450	480	5	13	10.26	7.60	6.61	5.75
871-B32656S0155K561	B32656S0155K561	1.5	1000	T1	30	45	42	450	480	5	15	10.80	8.00	6.96	6.05
871-B32656S0155K562	B32656S0155K562	1.5	1000	T2	30	45	42	450	480	5	15	10.80	8.00	6.96	6.05
871-B32656S0155K563	B32656S0155K563	1.5	1000	T3	30	45	42	450	480	5	15	10.80	8.00	6.96	6.05
871-B32656S7224K563	B32656S7224K563	0.22	1250	T3	14	25	42	500	500	10	8	6.79	5.03	4.37	3.80
871-B32656S7224K564	B32656S7224K564	0.22	1250	T4	14	25	42	500	500	10	8	6.79	5.03	4.37	3.80
871-B32656S7224K565	B32656S7224K565	0.22	1250	T5	14	25	42	500	500	10	8	6.79	5.03	4.37	3.80
871-B32656S7684K561	B32656S7684K561	0.68	1250	T1	20	39.5	42	500	500	6	10	9.96	7.38	6.42	5.58
871-B32656S7684K562	B32656S7684K562	0.68	1250	T2	20	39.5	42	500	500	6	10	9.96	7.38	6.42	5.58
871-B32656S7684K563	B32656S7684K563	0.68	1250	T3	20	39.5	42	500	500	6	10	9.96	7.38	6.42	5.58
871-B32656S7684K564	B32656S7684K564	0.68	1250	T4	20	39.5	42	500	500	6	10	9.96	7.38	6.42	5.58
871-B32656S7684K565	B32656S7684K565	0.68	1250	T5	20	39.5	42	500	500	6	10	9.96	7.38	6.42	5.58
871-B32656S7105K561	B32656S7105K561	1.0	1250	T1	28	37	42	500	500	6	13	10.03	7.43	6.46	5.62
871-B32656S7105K562	B32656S7105K562	1.0	1250	T2	28	37	42	500	500	6	13	10.03	7.43	6.46	5.62
871-B32656S7105K563	B32656S7105K563	1.0	1250	T3	28	37	42	500	500	6	13	10.03	7.43	6.46	5.62
871-B32686S0474J561	B32686S0474J561	0.47	1000	T1	14	25	42	2000	400	3	10	9.56	7.08	6.16	5.36
871-B32686S0474J562	B32686S0474J562	0.47	1000	T2	14	25	42	2000	400	3	10	9.56	7.08	6.16	5.36
871-B32686S0474J563	B32686S0474J563	0.47	1000	T3	14	25	42	2000	400	3	10	9.56	7.08	6.16	5.36
871-B32686S7224J563	B32686S7224J563	0.22	1250	T3	14	25	42	2800	450	7	8.5	7.65	5.67	4.93	4.29
871-B32686S7224J564	B32686S7224J564	0.22	1250	T4	14	25	42	2800	450	7	8.5	7.65	5.67	4.93	4.29
871-B32686S7224J565	B32686S7224J565	0.22	1250	T5	14	25	42	2800	450	7	8.5	7.65	5.67	4.93	4.29

EPCOS Film Capacitors

This page of product is compliant.

EPCOS METALLIZED POLYESTER FILM RADIAL CAPACITORS

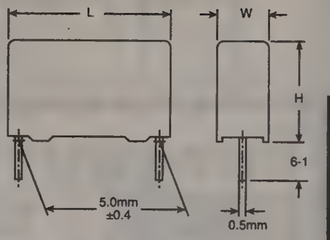
Applications:
- Blocking, Coupling, Decoupling
- Bypass
- RFI Suppression for Automotive Applications

Construction:
- 5-15mm lead space -- Stacked Film Technology Code "D" or "C"
- 10-27mm lead space -- Wound Capacitor Technology - Code "N", "Q", "T"

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VDC)	Tolerance	Max. Dimensions: mm (WxHxL)	Code	Lead Spacing	Price Each			
								1	10	25	50
871-B32529D5335K189	B32529D5335K189	3.3	50	±10%	7.8 x 13.0 x 7.8	D	5.0mm	1.88	1.68	1.51	1.31
871-B32529C102K189	B32529C102K189	0.001	63	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C103K189	B32529C103K189	0.01	63	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C223K189	B32529C223K189	0.022	63	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C104K189	B32529C104K189	0.1	63	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C105K189	B32529C105K189	1.0	63	±10%	4.5 x 9.5 x 7.3	C	5.0mm	.49	.40	.30	.25
871-B32529C155K189	B32529C155K189	1.5	63	±10%	6.0 x 10.5 x 7.5	C	5.0mm	.83	.75	.67	.56
871-B32529D225K189	B32529D225K189	2.2	63	±10%	7.8 x 13.0 x 7.8	D	5.0mm	1.13	1.01	.90	.78
871-B32529C1102K189	B32529C1102K189	0.001	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C1472K189	B32529C1472K189	0.0047	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C1103K189	B32529C1103K189	0.01	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C1223K189	B32529C1223K189	0.022	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C1683K189	B32529C1683K189	0.068	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529C1104K189	B32529C1104K189	0.1	100	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06
871-B32529D1105K189	B32529D1105K189	1.0	100	±10%	7.8 x 13.0 x 7.8	D	5.0mm	.66	.59	.53	.46
871-B32529C3103K189	B32529C3103K189	0.01	250	±10%	2.5 x 6.5 x 7.2	C	5.0mm	.17	.12	.07	.06



EPCOS METALLIZED POLYPROPYLENE RADIAL CAPACITORS

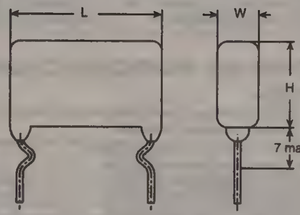
Applications:
- Smoothing
- High-Frequency AC Loads
- TV (Flyback)

Features:
- Wound Capacitor Technology with epoxy coating
- Very High Pulse Strength
- Self-healing properties

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VDC)	Voltage (VAC)	Tolerance	Max. Dimensions: mm (WxHxL)	Lead Spacing	Price Each			
								1	10	25	50
871-B32632A1222J10	B32632A1222J10	0.0022	1600	450	±5%	7.0 x 12.0 x 19.0	15mm	.37	.32	.29	.26
871-B32632A1472K10	B32632A1472K10	0.0047	1600	450	±10%	9.5 x 15.5 x 19.0	15mm	.40	.34	.31	.28
871-B32632A1103J10	B32632A1103J10	0.01	1600	450	±5%	12.5 x 17.5 x 19.0	15mm	.45	.39	.35	.32
871-B32633A1103J10	B32633A1103J10	0.01	1600	450	±5%	8.0 x 17.0 x 27.5	22.5mm	1.25	1.19	.89	.59
871-B32633A1223J10	B32633A1223J10	0.022	1600	450	±5%	11.5 x 19.5 x 27.5	22.5mm	.75	.64	.58	.53
871-B32633A1333J10	B32633A1333J10	0.033	1600	450	±5%	15.5 x 22.5 x 27.5	22.5mm	.90	.77	.70	.64
871-B32632A2102J10	B32632A2102J10	0.001	2000	500	±5%	7.0 x 14.0 x 27.5	22.5mm	.79	.58	.39	.29
871-B32633A2103J10	B32633A2103J10	0.01	2000	500	±5%	10.5 x 17.5 x 27.5	22.5mm	1.17	.87	.64	.46
871-B32633A2153J10	B32633A2153J10	0.015	2000	500	±5%	13.0 x 20.5 x 27.5	22.5mm	.79	.68	.62	.56
871-B32633A2153K10	B32633A2153K10	0.015	2000	500	±10%	13.0 x 20.5 x 27.5	22.5mm	.75	.64	.58	.53
871-B32633A2223J10	B32633A2223J10	0.022	2000	500	±5%	15.5 x 22.5 x 27.5	22.5mm	.90	.77	.70	.64



EMI SUPPRESSION METALLIZED BOX CAPACITORS

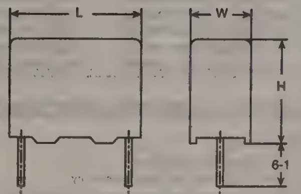
Class X2

Applications:
- "Across the Line" Applications
- Polypropylene Boxed Construction
- Epoxy Resin Sealing
- UL 1414/ UL 1286 File # E97863 / E157153

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VDC)	Tolerance	Max. Dimensions: mm (WxHxL)	Lead Spacing	Price Each			
							1	10	25	50
871-B32921C3104M	B32921C3104M	0.1	305	±20%	6.0 x 12.0 x 13.0	10mm	.32	.25	.17	.13
871-B32922C3104M	B32922C3104M	0.1	305	±20%	5.0 x 10.5 x 18.0	15mm	.25	.23	.17	.12
871-B32922C3334M	B32922C3334M	0.33	305	±20%	8.0 x 14.0 x 18.0	15mm	.49	.38	.27	.19
871-B32923C3105M	B32923C3105M	1.0	305	±20%	11.0 x 20.5 x 26.5	22.5mm	1.17	.87	.64	.46



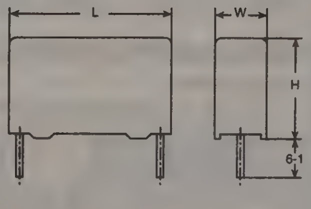
Class Y1 & Y2

Applications:
- "Line to Ground" Applications
- Polypropylene Boxed Construction
- Epoxy Resin Sealing
- UL 1414 File # E97863

RoHS Compliant

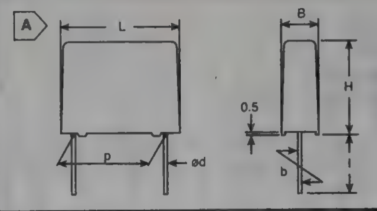
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VDC)	Tolerance	Max. Dimensions: mm (WxHxL)	Lead Spacing	Class	Price Each			
								1	10	25	50
871-B81122C1472M	B81122C1472M	0.0047	250	±20%	6.0 x 12.0 x 13.0	10mm	Y2	.47	.34	.24	.18
871-B81123C1102M	B81123C1102M	0.001	250	±20%	5.0 x 10.5 x 18.0	15mm	Y1	.49	.35	.26	.18
871-B81123C1222M	B81123C1222M	0.0022	250	±20%	7.0 x 12.5 x 18.0	15mm	Y1	.44	.31	.22	.17
871-B81123C1332M	B81123C1332M	0.0033	250	±20%	8.5 x 14.5 x 18.0	15mm	Y1	.61	.44	.31	.23
871-B81123C1472M	B81123C1472M	0.0047	250	±20%	9.0 x 17.5 x 18.0	15mm	Y1	.79	.58	.39	.29
871-B81123C1562M	B81123C1562M	0.0056	250	±20%	7.0 x 16.0 x 26.5	22.5mm	Y1	.79	.58	.39	.29
871-B81123C1682M	B81123C1682M	0.0068	250	±20%	8.5 x 16.5 x 26.5	22.5mm	Y1	.83	.75	.67	.56
871-B81123C1103M	B81123C1103M	0.01	250	±20%	10.5 x 16.5 x 26.5	22.5mm	Y1	1.25	1.19	.89	.59

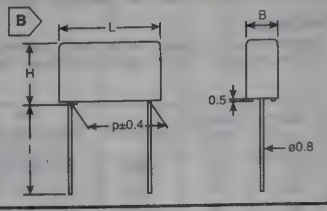


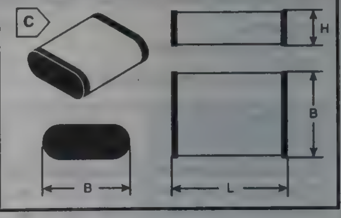
EVOX RIFA Film Capacitors

EVOX RIFA
A KEMET Company



DIMENSIONS: mm				
P	**d**	**std l**	**max l**	**b**
10.0 ± 0.4	0.6	17	30	±0.4
15.0 ± 0.4	0.8	17	30	±0.4
22.5 ± 0.4	0.8	6	30	±0.4
27.5 ± 0.4	0.8	6	30	±0.4
37.5 ±0.5	1.0	6	30	±0.7





EMI SUPPRESSOR METALLIZED POLYPROPYLENE CAPACITOR

Approvals: ENEC, UL, cUL

Features:

- New improved design: Small dimensions including low profile capacitors
- Temperature range: PHE840: -55 to +105°C
  PHE850: -55 to +110°C
- Construction metallized polypropylene winding, encapsulated in self-extinguishing material meeting the requirements of UL 94 V-0

Applications:

- For worldwide use as electromagnetic interference suppressor in all X2 and across-the-line applications

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Evox-Rifa Part No.	Fig.	Class	Voltage (VAC)	Value (µF)	Dimensions: mm			Tolerance	Price Each			
						B	H	L		1	25	50	100
80-PHE840MB6150MB10T	PHE840MB6150MB10R17	A	X2	275/280	0.15	6.5	12.5	18.0	+/-20%	.41	.37	.33	.27
80-PHE840MB6100MB05R	PHE840MB6100MB05R17	A	X2	275/280	0.1	5.5	12.5	18.0	+/-20%	.33	.31	.27	.24
80-PHE840MB6100MB05R	PHE840MB6100MB05R04	A	X2	275/280	0.1	5.5	12.5	18.0	+/-20%	.35	.32	.29	.25
80-PHE840MX6220MB06R	PHE840MX6220MB06R17	A	X2	275/280	0.22	7.5	14.5	18.0	+/-20%	.42	.37	.33	.27
80-PHE840MB6220MB12R	PHE840MB6220MB12R17	A	X2	275/280	0.22	8.0	15.0	18.0	+/-20%	.45	.41	.36	.29
80-PHE840MY6470MD14R	PHE840MY6470MD14R06	A	X2	275/280	0.47	8.0	16.0	26.0	+/-20%	.57	.51	.45	.37
80-PHE840MB6470MB16R	PHE840MB6470MB16R17	A	X2	275/280	0.47	11.0	19.0	18.0	+/-20%	.61	.55	.48	.39
80-PHE840MY6680MD15R	PHE840MY6680MD15R06	A	X2	275/280	0.68	9.0	18.5	26.0	+/-20%	.74	.66	.58	.48
80-PHE840MD6680MD18R	PHE840MD6680MD18R06	A	X2	275/280	0.68	10.5	19.0	26.0	+/-20%	.75	.67	.59	.48
80-PHE840MZ7100MF11R	PHE840MZ7100MF11R06	A	X2	275/280	1	10.5	20.5	31.5	+/-20%	1.94	1.73	1.52	1.24
80-PHE840MY7100MD16R	PHE840MY7100MD16R06	A	X2	275/280	1	11.0	21.5	26.0	+/-20%	1.07	.96	.84	.69
80-PHE840MZ7220MF14R	PHE840MZ7220MF14R06	A	X2	275/280	2.2	17.5	28.0	31.5	+/-20%	2.41	2.16	1.91	1.72
80-PHE840MR7220MR05R	PHE840MR7220MR05R06	A	X2	275/280	2.2	13.0	24.0	41.0	+/-20%	3.44	3.09	2.73	2.39
80-PHE850EA4100MA06R	PHE850EA4100MA06R17	A	Y2	300	0.001	4.0	8.0	13.0	+/-20%	.20	.19	.17	.15
80-PHE850EA4220MA01R	PHE850EA4220MA01R17	A	Y2	300	0.0022	4.0	9.0	13.0	+/-20%	.21	.19	.17	.15
80-PHE850EA4470MA03R	PHE850EA4470MA03R17	A	Y2	300	0.0047	5.0	11.0	13.0	+/-20%	.25	.23	.20	.18
80-PHE840EF7100KF12R	PHE840EF7100KF12R06	A	X2	300	1	11.5	22.5	31.5	+/-10%	1.84	1.66	1.44	1.27
80-PHE840EF7220KR	PHE840EF7220KR06	A	X2	300	2.2	21.0	38.0	41.0	+/-10%	2.41	2.17	1.89	1.67

GENERAL PURPOSE AC / DC METALLIZED PAPER CAPACITOR

Features:

- Self-extinguishing UL 94V-0 encapsulation material
- Excellent self-healing properties
- Ensures long life even when subjected to frequent overvoltages
- Good resistance to ionization due to impregnated dielectric
- High dU/dt capability
- The capacitors meet the most stringent IEC humidity class, 56 days
- The impregnated paper ensures excellent stability giving outstanding reliability properties, especially in applications having continuous operation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Evox-Rifa Part No.	Fig.	Class	Voltage (VAC)	Value (µF)	Dimensions: mm			Tolerance	Price Each			
						B	H	L		1	25	50	100
80-PME271Y510MR30	PME271Y510MR30	B	Y2	250	0.01	5.2	10.5	18.5	+/- 20%	1.08	.93	.77	.65
80-PME271Y510MR19	PME271Y510MR19	B	Y2	250	0.01	5.2	10.5	18.5	+/-20%	1.14	.97	.81	.68
80-PME271Y510MR06	PME271Y510MR06	B	Y2	250	0.01	21.0	38.0	41.0	+/-20%	1.15	.98	.82	.69
80-PME271Y515MR30	PME271Y515MR30	B	Y2	250	0.015	5.5	11.0	18.5	+/- 20%	1.15	.99	.82	.69
80-PME271Y515MR19	PME271Y515MR19	B	Y2	250	0.015	5.5	11.0	18.5	+/-20%	1.22	1.04	.87	.73
80-PME271Y533MR30	PME271Y533MR30	B	Y2	250	0.033	7.6	14.0	24.0	+/-20%	1.47	1.26	1.05	.88
80-PME271Y547MR30	PME271Y547MR30	B	Y2	250	0.047	9.0	15.0	24.0	+/-20%	1.71	1.47	1.22	1.03
80-PME271Y410MR30	PME271Y410MR30	B	Y2	250	.001	3.9	7.5	13.5	+/- 20%	.98	.84	.70	.59
80-PME271Y422MR30	PME271Y422MR30	B	Y2	250	.002	3.9	7.5	13.5	+/-20%	1.00	.86	.72	.60
80-PME271Y447MR30	PME271Y447MR30	B	Y2	250	.0047	5.1	10.5	13.5	+/-20%	1.04	.89	.75	.63
80-PME271M610MR19	PME271M610MR19	B	X2	275	0.1	7.6	14.0	24.0	+/- 20%	1.47	1.26	1.05	.88
80-PME271M633KR03.5	PME271M633KR03.5	B	X2	275	0.33	12.1	19.0	30.5	+/-10%	3.24	2.77	2.31	1.94
80-PME271YA4220MR30	PME271YA4220MR30	B	Y2	300	.0022	3.9	7.5	13.5	+/- 20%	1.10	.95	.79	.66
80-PME271YA4470MR30	PME271YA4470MR30	B	Y2	300	.0047	5.1	10.5	13.5	+/- 20%	1.15	.98	.82	.69
80-PME295RB3470MR	PME295RB3470MR19	B	Y1	440	0.00047	5.5	12.5	18.0	+/- 20%	1.40	1.20	1.00	.84
80-PME264NE6100MR30	PME264NE6100MR30	B	Y2	660	0.1	15.3	22.0	30.5	+/- 20%	4.15	3.56	2.98	2.39

METALLIZED POLYESTER CAPACITOR RADIAL

Features:

- Bypassing signal coupling
- General purpose for highest reliability
- Construction: Radial leads of tinned wire are electrically welded to the contact metal layer on the ends of the capacitor winding
- Temperature range: -55 to +100°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Evox-Rifa Part No.	Fig.	Voltage (VAC)	Value (µF)	Dimensions: mm			Tolerance	Price Each			
					B	H	L		1	25	50	100
80-MMK5104J50J01TR18	MMK5104J50J01TR18	A	50	0.1	2.5	6.5	7.2	+/- 5%	.21	.19	.17	.16
80-MMK5103K63J01L4	MMK5103K63J01L4	A	63	0.01	2.5	6.5	7.2	+/-10%	.16	.15	.13	.12
80-MMK5223K63J01L4	MMK5223K63J01L4	A	63	0.022	2.5	6.5	7.2	+/-10%	.16	.15	.13	.12
80-MMK5473K63J01L4	MMK5473K63J01L4	A	63	0.047	2.5	6.5	7.2	+/-10%	.18	.16	.15	.14
80-MMK5102K63J01L4	MMK5102K63J01L4	A	63	.001	2.5	6.5	7.2	+/- 10%	.16	.15	.13	.12
80-MMK5104K63J01L4	MMK5104K63J01L4	A	63	0.1	2.5	6.5	7.2	+/- 10%	.21	.19	.17	.16
80-MMK5222K63J01L4	MMK5222K63J01L4	A	63	.0022	2.5	6.5	7.2	+/- 10%	.16	.15	.13	.12
80-MMK5224K63J01L4	MMK5224K63J01L4	A	63	0.22	2.5	6.5	7.2	+/-10%	.21	.19	.17	.15
80-MMK5472K63J01L4	MMK5472K63J01L4	A	63	.0047	2.5	6.5	7.2	+/- 10%	.16	.15	.14	.12
80-MMK5474K63J02L4	MMK5474K63J02L4	A	63	0.47	3.5	8.0	7.2	+/- 10%	.37	.34	.30	.27
80-MMK5105K63J04L4	MMK5105K63J04L4	A	63	1	5.0	10.0	7.2	+/-10%	.74	.68	.62	.56

METALLIZED POLYPHENYLENE SULFIDE CAPACITOR RADIAL

Applications (SMR):

- Automotive and other applications with high ambient temperatures
- Applications requiring high stability and low losses.
- Offers excellent sound quality in audio applications

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Evox-Rifa Part No.	Fig.	Voltage (VAC)	Value (µF)	Dimensions: mm			Tolerance	Price Each			
					B	H	L		1	25	50	100
80-SMR10224J100A01L4	SMR10224J100A01L4	A	100	0.22	4.0	9.0	13.0	+/- 5%	.79	.68	.57	.47
80-SMW7.3473K250K95T	SMW7.3473K250K95TR12	C	250	0.047	6.0	3.2	--	+/-10%	.68	.59	.54	.47

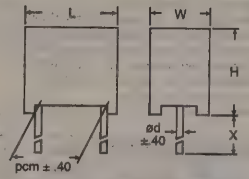
VISHAY / ROEDERSTEIN Capacitors

RoHS Compliant **This page of product is compliant.**

F1778 SUPPRESSION AC-CAPACITORS (MKP) CLASS X2 AC 275V

Specifications:

- Dielectric: polypropylene film
- Electrodes: metal evaporated
- Construction: metalized film capacitor, single design
- Rated Voltage: 50/60Hz: 275VAC
- Coating: plastic case, epoxy resin sealed, flame retardent. S/B 94V-0
- Capacitance Tolerance: standard: ± 20% / ±10%
- Approvals: UL1283, UL1414, CSA 22.2, EN132400, IEL 60384-14
- Lead Diameter: .60mm or .80mm



DIMENSIONS: mm

RoHS Compliant

10% Tolerance

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm					Price Each		
		X	pcm	W	H	L	1	50	100
75-F1778310K2DCB0	0.01	4	10	3.7	8.9	12.8	.49	.41	.32
75-F1778322K2DBB0	0.022	4	10	3.7	8.9	12.8	.49	.41	.32
75-F1778347K2FCB0	0.047	4	15	5.3	10.4	17.8	.52	.44	.34
75-F1778510K2KCT0	1.0	6	27.5	11.0	20.3	31.3	1.68	1.41	1.03
75-F1778522K2KCT0	1.0	6	27.5	11.0	20.3	31.3	2.77	2.35	1.80

20% Tolerance

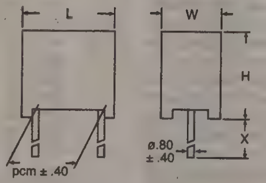
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm					Price Each		
		X	pcm	W	H	L	1	50	100
75-F1778310M2DCB0	0.01	4	10	3.7	8.9	12.8	.49	.41	.32
75-F1778347M2FCB0	0.047	4	15	5.3	10.4	17.8	.52	.44	.34
75-F1778410M2FCB0	0.1	4	15	7.3	13.4	17.8	.84	.71	.55
75-F1778422M2FCB0	0.22	4	15	8.3	17.4	17.8	.75	.63	.48
75-F1778447M2ICT0	0.47	6	22.5	10.2	18.4	26.3	1.03	.87	.65
75-F1778510M2KCT0	1.0	6	27.5	13.0	23.3	31.2	1.66	1.41	1.08
75-F1778522M2KCT0	2.2	6	27.5	17.8	32.4	31.2	2.77	2.35	1.80

F1710 SUPPRESSION AC-CAPACITORS (MKT) CLASS Y2 AC 250V

Specifications:

- Dielectric: polyester film
- Rated Voltage: 50/60Hz: 250VAC
- Coating: plastic case, epoxy resin sealed, flame retardent, UL-class 94V-0
- Capacitance Tolerance: ± 20%
- Approvals: UL1283, UL1414, CSA 22.2, EN132400, IEC60384-14
- Tolerance: ±20%
- Different lead lengths available
- Lead Diameter: .80mm



DIMENSIONS: mm

RoHS Compliant

For quantities of 500 and up, call for quote.

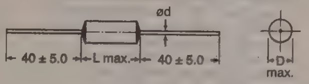
MOUSER STOCK NO.	Value (µF)	Dimensions: mm					Price Each		
		X	pcm	W	H	L	1	50	100
75-F17102101000	1000pF	6	15	5.3	10.3	17.8	.68	.62	.57
75-F17102221000	2200pF	6	15	5.3	10.3	17.8	.68	.62	.57
75-F17102471000	4700pF	6	15	5.3	10.3	17.8	.68	.62	.57
75-F17103101000	0.01	6	15	6.3	12.3	17.8	.80	.74	.68
75-F17103101030	0.01	30	15	6.3	12.3	17.8	1.02	.94	.85
75-F17103151000	0.015	6	15	7.3	13.3	17.8	.91	.84	.76
75-F17103221000	0.022	6	15	8.3	17.3	17.8	1.10	1.01	.92
75-F17103471000	0.047	6	22.5	8.2	16.3	26.3	1.54	1.41	1.28
75-F17104101030	0.1	30	27.5	11.0	20.3	31.3	2.64	2.42	2.20
75-F17104101000	0.1	6	27.5	11.0	20.3	31.3	2.31	2.11	1.92

F1773 SUPPRESSION AC-CAPACITORS (MKT) CLASS X2 AC 253V AXIAL

Specifications:

- Dielectric: polyester film
- Construction: metalized film capacitor, internal series connection
- Rated Voltage: 50/60Hz: 253VAC;
  50/60Hz: 250VAC
- Approvals: UL 1283, IEC 60384-14/2, EN132400

DIMENSIONS: mm



d (mm) [Lead dia.]	D (mm)
.70	≤ 7
.80	> 7 / < 16.5
1.0	≥ 16.5

RoHS Compliant

For quantities of 500 and up, call for quote.

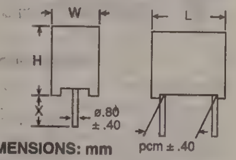
MOUSER STOCK NO.	Value (µF)	Tolerance %	Dimensions: mm		Price Each		
			D	L	1	50	100
75-F17734102000	0.1	10	9.5	19.0	1.77	1.42	1.20
75-F17734222000	0.22	10	10.0	26.5	2.25	1.80	1.53
75-F17734332000	0.33	10	12.0	26.5	2.68	2.15	1.82
75-F17734472000	0.47	10	14.0	26.5	3.03	2.70	2.42
75-F17734682000	0.68	10	15.0	31.5	3.43	2.74	2.33
75-F17735102000	1.0	10	18.0	31.5	4.73	3.79	3.64
75-F17735152000	1.5	10	18.0	41.5	5.33	4.27	3.63
75-F17735222000	2.2	10	21.5	41.5	7.49	5.99	5.09

F1772 SUPPRESSION AC-CAPACITORS (MKT) CLASS X2 AC 275V

RoHS Compliant

Specifications:

- Dielectric: polyester film
- Electrodes: metal evaporated
- Construction: metallized film capacitor, internal series connection
- Rated Voltage: 50/60Hz: 275VAC
- Coating: plastic case, epoxy resin sealed, flame retardant; UL 94V-0
- Capacitance Tolerance: ±10% standard
- Approvals: UL1283, UL1414, CSA C22.2, IEC60384-14/2, EN132400, EN60068-1
- Different lead space and different lead lengths available



DIMENSIONS: mm

∗ 20% Tolerance

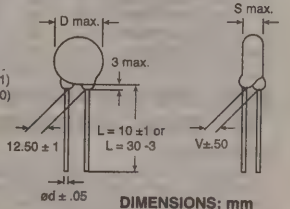
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Value (uF)	Dimensions: mm					Price Each		
Mfr.	Mfr. Part No.		X	pcm	W	H	L	1	50	100
75	F17723472000	0.047	6	15	6.3	12.3	17.8	.83	.71	.59
75	F17724102000	0.1	6	15	8.3	14.4	17.8	1.05	.90	.75
75	F17724102030	0.1	30	15	8.3	14.4	17.8	1.05	.90	.75
75	F17724222000	0.22	6	22.5	8.3	16.4	26.2	1.40	1.20	1.00
75	F17724332000	0.33	6	22.5	10.3	18.4	26.2	1.88	1.61	1.34
75	F17724472000	0.47	6	27.5	11.0	20.3	31.2	2.26	1.94	1.62
∗75	F17724472200	0.047	6	27.5	11	20.3	31.2	2.26	1.94	1.62
75	F17724472030	0.047	30	27.5	11	20.3	31.2	2.26	1.94	1.62
75	F17724682000	0.68	6	27.5	13.3	23.3	31.2	2.91	2.49	2.08
75	F17725102000	1.0	6	27.5	14.5	24.4	31.2	3.78	3.23	2.74
75	F17725222000	2.2	6	37.5	17.9	32.4	41.2	6.88	5.90	4.92

WKP SUPPRESSION CERAMIC CAPACITORS CLASS X1, 760VAC, CLASS Y1, 500VAC

Specifications:

- Tolerance: 20%
- Design: ceramic disc with epoxy coating
- Rated voltage: 50/60Hz: 760VAC (X1); 50/60Hz: 500VAC (Y1)
- Coating: epoxy, dipped, insulating, flame retarding (UL 94V0) Important: minimum thickness of 0.4 mm for the epoxy coating is now confirmed by the VDE-approval board in Germany.
- Approvals: UL1414, CSA 22.2, IEC 60384-14/2, EN132400



DIMENSIONS: mm

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	Dimensions: mm				Price Each		
		d ± .05	V ± .50	D	S	1	50	100
75-WKP330MCPEF0KR	33	0.6	1.9	8.0	6.0	.49	.45	.41
75-WKP470MCPEF0KR	47	0.6	2.3	8.0	6.0	.49	.45	.41
75-WKP680MCPEF0KR	68	0.6	2.3	8.0	6.0	.49	.45	.41
75-WKP101MCPEF0KR	100	0.6	2.3	8.0	6.0	.49	.45	.41
75-WKP151MCPEF0KR	150	0.6	2.3	8.0	6.0	.49	.45	.41
75-WKP331MCPEF0KR	330	0.6	2.5	8.0	6.0	.49	.45	.41
75-WKP471MCPEF0KR	470	0.6	2.5	8.0	6.0	.49	.45	.41
75-WKP681MCPEF0KR	680	0.6	2.5	9.0	6.0	.49	.45	.41
75-WKP102MCPEJ0KR	1000	0.8	2.7	10.0	6.0	.61	.56	.51
75-WKP152MCPEJ0KR	1500	0.8	2.7	12.0	6.0	.80	.73	.67
75-WKP332MCPEJ0KR	3300	0.8	2.7	15.0	6.0	1.37	1.26	1.14
75-WKP472MCPEJ0KR	4700	0.8	2.7	18.0	6.0	1.70	1.56	1.42

VISHAY / ROEDERSTEIN Film Capacitors

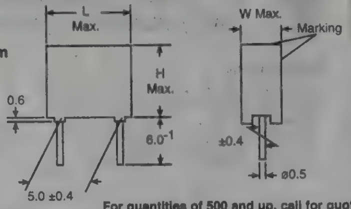
RoHS Compliant **This page of product is compliant.**

MKT1817 METALLIZED POLYESTER FILM CAPACITORS

Specifications:

DIMENSIONS: mm

- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case, green, epoxy resin sealed
- Construction: extended metalilized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours



For quantities of 500 and up, call for quote.

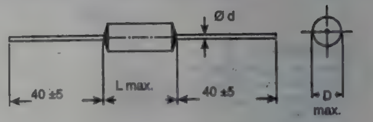
MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions			Price Each		
Mfr.	Mfr. Part No.				W	H	L	1	50	100
75—	MKT1817410064	0.1	63	5	2.5	6.0	7.5	.26	.23	.19
75—	MKT1817410065	0.1	63	10	2.5	6.0	7.5	.25	.22	.18
75—	MKT1817415064	0.15	63	5	3.5	8.5	7.5	.29	.25	.21
75—	MKT1817422064	0.22	63	5	3.5	8.5	7.5	.34	.29	.24
75—	MKT1817422065	0.22	63	10	3.5	8.5	7.5	.32	.28	.23
75—	MKT1817433065	0.33	63	10	4.5	9.5	7.5	.41	.35	.29
75—	MKT1817447064	0.47	63	5	5.0	10.0	7.5	.53	.45	.38
75—	MKT1817447065	0.47	63	10	5.0	10.0	7.5	.48	.41	.34
75—	MKT1817510064	1.0	63	5	5.5	11.5	7.5	.77	.66	.55
75—	MKT1817510065	1.0	63	10	5.5	11.5	7.5	.74	.63	.53
75—	MKT1817422015	0.22	100	10	5.0	10	7.5	.34	.29	.24
75—	MKT1817310015	0.01	100	10	2.5	6.0	7.5	.27	.23	.19
75—	MKT1817322014	0.022	100	5	2.5	6.0	7.5	.23	.20	.17
75—	MKT1817322015	0.022	100	10	2.5	6.0	7.5	.22	.19	.16
75—	MKT1817347014	0.047	100	5	2.5	6.0	7.5	.23	.20	.17
75—	MKT1817310254	0.01	250	5	2.5	6.0	7.5	.30	.26	.22
75—	MKT1817410255	0.1	250	10	5.5	11.5	7.5	.46	.39	.33
75—	MKT1817210405	0.001	400	10	2.5	6.0	7.5	.27	.23	.19

MKT1813 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS: mm

Specifications:

- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: plastic-wrapped, epoxy resin sealed
- Construction: extended metalilized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours



For quantities of 500 and up, call for quote.

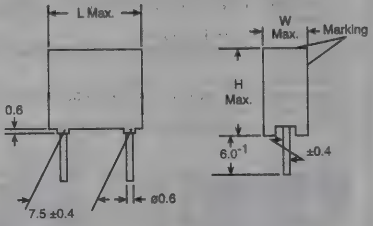
MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions		Price Each		
Mfr.	Mfr. Part No.				D	L	1	50	100
75—	MKT1813447064	0.47	63	5	7.0	14.0	1.02	.88	.73
75—	MKT1813522064	2.2	63	5	8.5	26.5	2.66	2.28	1.90
75—	MKT1813533064	3.3	63	5	10.0	26.5	3.55	3.04	2.53
75—	MKT1813410014	0.1	100	5	5.0	11.0	.64	.55	.46
75—	MKT1813422015	0.22	100	10	6.0	14.0	.64	.55	.46
75—	MKT1813447014	0.47	100	5	6.5	19.0	.90	.77	.64
75—	MKT1813510014	1.0	100	5	8.5	19.0	1.37	1.17	.98
75—	MKT1813510015	1.0	100	10	8.5	19.0	1.26	1.08	.90
75—	MKT1813547015	4.7	100	10	8.5	19.0	4.03	3.46	2.88
75—	MKT1813322254	0.022	250	5	5.0	11.0	.59	.50	.42
75—	MKT1813322255	0.022	250	10	5.0	11.0	.27	.25	.23
75—	MKT1813410254	0.1	250	5	6.0	14.0	.66	.56	.47
75—	MKT1813510255	1.0	250	10	10.0	26.5	1.90	1.63	1.36
75—	MKT1813610254	10	250	5	21.0	41.5	6.91	5.76	4.61
75—	MKT1813310404	0.01	400	5	5.0	11.0	.59	.50	.42
75—	MKT1813410405	0.1	400	10	7.0	19.0	.72	.62	.52
75—	MKT1813522405	2.2	400	10	16.5	41.5	4.95	4.22	3.60
75—	MKT1813410635	0.1	630	10	10.5	19.0	1.77	1.52	1.26

MKT1818 METALLIZED POLYESTER FILM CAPACITORS

DIMENSIONS: mm

Specifications:

- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case
- Construction: extended metalilized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours



For quantities of 500 and up, call for quote.

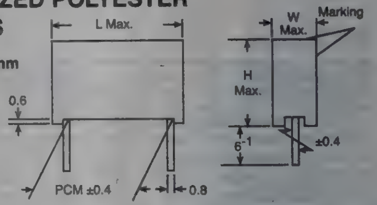
MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions			Price Each		
Mfr.	Mfr. Part No.				W	H	L	1	50	100
75—	MKT1818268405	0.0068	400	10	2.5	7.5	10.0	.22	.19	.16
75—	MKT1818310255	0.01	250	10	2.5	7.5	10.0	.22	.19	.16
75—	MKT1818310254	0.01	250	5	2.5	7.5	10.0	.23	.20	.17
75—	MKT1818333015	0.033	100	10	2.5	7.5	10.0	.25	.21	.18
75—	MKT1818333254	0.033	250	5	3.0	8.5	10.0	.24	.21	.17
75—	MKT1818347014	0.047	100	5	2.5	7.5	10.0	.26	.22	.19
75—	MKT1818410014	0.1	100	5	3.0	8.5	10.0	.27	.23	.19
75—	MKT1818410015	0.1	100	10	3.0	8.5	10.0	.26	.22	.18
75—	MKT1818422014	0.22	100	5	4.0	9.0	10.0	.36	.31	.26
75—	MKT1818433064	0.33	63	5	4.0	9.0	10.0	.37	.32	.27
75—	MKT1818433014	0.33	100	5	5.0	10.5	10.3	.45	.39	.32
75—	MKT1818447064	0.47	63	5	4.5	9.5	10.0	.49	.42	.35
75—	MKT1818447014	0.47	100	5	5.7	11.5	10.3	.54	.47	.39
75—	MKT1818510064	1.0	63	5	5.7	11.5	10.3	.77	.62	.52
75—	MKT1818510065	1.0	63	10	5.7	11.5	10.3	.72	.62	.52

MKT1822 METALLIZED POLYESTER FILM CAPACITORS

Specifications:

DIMENSIONS: mm

- Dielectric: polyester film
- Electrodes: vacuum deposited aluminum
- Coating: flame retardant plastic case, green, epoxy resin sealded
- Construction: extended metalilized film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±1.5% for a period of two years
- Reliability: operational life > 300,000 hours



For quantities of 500 and up, call for quote.

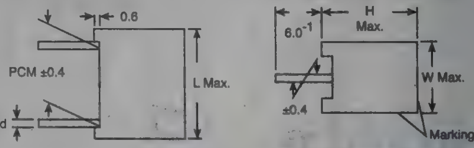
MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions			PCM	Price Each		
Mfr.	Mfr. Part No.				W	H	L		1	50	100
75-	MKT1822310404	0.01	400	5	10	4	9	13	.39	.33	.28
75-	MKT1822310635	0.01	630	10	10	4	9	13	.46	.39	.33
75-	MKT1822333404	0.033	400	5	10	4	9	13	.41	.35	.29
75-	MKT1822347254	0.047	250	5	10	4	9	13	.39	.33	.28
75-	MKT1822368254	0.068	250	5	10	4.5	9.5	13	.44	.38	.31
75-	MKT1822410015	0.1	100	10	10	4	9	13	.42	.36	.30
75-	MKT1822410014	0.1	100	5	10	4	9	13	.43	.37	.31
75-	MKT1822410255	0.1	250	10	15	5.5	10.5	18	.55	.47	.39
75-	MKT1822410405	0.1	400	10	15	5.5	10.5	18	.58	.50	.42
75-	MKT1822422015	0.22	100	10	10	1.5	9.5	13	.50	.43	.36
75-	MKT1822447014	0.47	100	5	15	5.5	10.5	18	.73	.63	.52
75-	MKT1822447405	0.47	400	5	22.5	10.5	18.5	26.5	1.26	1.07	.91
75-	MKT1822510054	1	63	5	15	5.5	10.5	18	1.21	1.04	.86
75-	MKT1822510014	1	100	5	15	7.5	13.5	18	1.12	.96	.80
75-	MKT1822510015	1	100	10	15	7.5	13.5	18	1.07	.92	.76
75-	MKT1822510255	1	250	10	22.5	8.5	16.5	26.5	1.31	1.13	.94
75-	MKT1822522064	2.2	63	5	15	7.5	13.5	18	2.23	1.91	1.59
75-	MKT1822547014	4.7	100	5	27.5	11.5	20.5	31.5	3.62	3.10	2.59

MKP1841 AND MKP1840 METALLIZED POLYPROPYLENE FILM CAPACITORS

DIMENSIONS: mm

Specifications:

- Coating: flame retardant plastic case, blue, epoxy resin sealded
- Construction: extended double-sided metalilized polypropylene film
- Reliability: operational life > 300,000 hours
- Electrodes: vacuum deposited aluminum
- Dielectric: polypropylene film
- Operating Temperature: -55°C to +100°C
- Capacitance Drift: up to +40°C, ±0.5% for a period of two years



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions			PCM	Price Each		
Mfr.	Mfr. Part No.				W	H	L		1	50	100
MKP1840											
75—	MKP1840322635	0.022	630	10	10	6.5	11.5	13	.87	.74	.57
75—	MKP1840333634	0.033	630	5	15	5.5	10.5	18	1.06	.90	.69
75—	MKP1840410165	0.1	160	10	10	5.5	10.5	13	.94	.79	.61
75—	MKP1840410634	0.1	630	5	15	8.5	17.5	18	1.75	1.48	1.13
75—	MKP1840415255	0.15	250	10	15	6.5	12.5	18	.80	.68	.57
75—	MKP1840422254	0.22	250	5	15	7.5	13.5	18	1.01	.86	.72
75—	MKP1840447635	0.47	630	10	27.5	13.5	23.5	31.5	3.75	3.18	2.43
MKP1841											
75—	MKP1841215635	0.0015	630	10	7.5	3	8.5	10	.58	.50	.41
75—	MKP1841310635	0.01	630	10	15	5.5	10.5	18	.65	.56	.47
75—	MKP1841310105	0.01	1000	10	22.5	6.5	14.5	26.5	1.09	.93	.78

For quantities of 500 and up, call for quote.

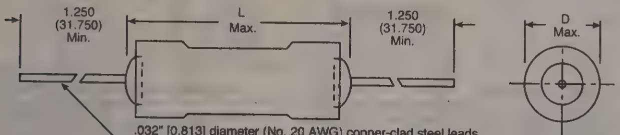
MOUSER STOCK NO.		Value (µF)	Volt (DC)	Tol. ± (%)	Dimensions			PCM	Price Each		
Mfr.	Mfr. Part No.				W	H	L		1	50	100
MKP1841 (cont.)											
75—	MKP1841310134	0.01	1600	5	22.5	6.5	14.5	26.5	1.72	1.46	1.11
75—	MKP1841422255	0.022	250	10	15	8.5	17.5	18	1.40	1.20	1.00
75—	MKP1841333635	0.033	630	10	22.5	7.5	15.5	26.5	1.43	1.21	.93
75—	MKP1841347135	0.047	1600	10	27.5	11.5	20.5	31.5	3.31	2.81	2.15
75—	MKP1841410254	0.1	250	5	15	6.5	12.5	18	1.46	1.24	.95
75—	MKP1841410255	0.1	250	10	15	6.5	12.5	18	1.34	1.14	.87
75—	MKP1841410105	0.1	1000	10	27.5	13.5	23.5	31.5	2.88	2.47	2.06
75—	MKP1841415404	0.15	400	5	22.5	8.5	16.5	26.5	1.52	1.30	1.08
75—	MKP1841447404	0.47	400	5	27.5	13.5	23.5	31.5	3.11	2.67	2.22
75—	MKP1841468254	0.68	250	5	22.5	11	21	26.5	4.11	3.49	2.67
75—	MKP1841510404	1	400	5	37.5	14.5	24.5	41.5	4.96	4.25	3.55

VISHAY / SPRAGUE Film and Foil Capacitors

192P SERIES POLYESTER FILM/FOIL, SLEEVED, MINIATURE, AXIAL LEAD CAPACITORS

Specifications:

- Encased in an orange heat shrinkable polyolefin sleeve
- Non-inductively wound
- Moisture resistant
- Dissipation Factor: 1.0% Maximum
- Voltage Test: 200% of rated voltage for 1 minute
- Operating Temperature is -55°C to +85°C
- Tolerance: 10%



.032" [0.813] diameter (No. 20 AWG) copper-clad steel leads except that .025" [.635] diameter (No. 22 AWG) leads will be supplied on .153" [3.886] and .185" [4.699] diameter units.

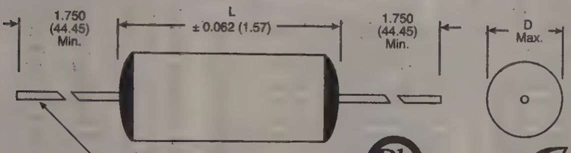
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Value (μF)	Dimensions: in. Dia. x L	Price Each			
Mfr.	Mfr. Part No.			1	50	100	500
80 VDC/55 VAC							
75—	192P222X9080	0.0022	.153 x .437	1.05	.75	.60	.48
75—	192P472X9080	0.0047	.153 x .437	1.05	.75	.60	.48
75—	192P682X9080	0.0068	.185 x .5	1.16	.83	.66	.53
75—	192P103X9080	0.01	.185 x .5	1.05	.75	.60	.48
75—	192P223X9080	0.022	.185 x .625	1.60	1.16	.93	.84
75—	192P333X9080	0.033	.229 x .562	1.32	.94	.75	.60
75—	192P473X9080	0.047	.229 x .687	1.27	.91	.82	.73
75—	192P683X9080	0.068	.25 x .687	1.39	1.00	.80	.64
75—	192P104X9080	0.1	.315 x .645	1.46	1.04	.83	.67
75—	192P224X9080	0.22	.343 x .77	2.23	1.59	1.27	1.02
75—	192P334X9080	0.33	.343 x 1.332	3.08	2.20	1.76	1.41
200 VDC/140 VAC							
75—	192P101X9200	0.0001	.153 x .437	2.46	2.05	1.64	1.52
75—	192P102X9200	0.001	.153 x .437	.86	.76	.74	.65
75—	192P222X9200	0.0022	.185 x .437	.91	.65	.52	.42
75—	192P332X9200	0.0033	.185 x .437	.91	.65	.52	.42
75—	192P472X9200	0.0047	.185 x .562	.93	.86	.80	.74
75—	192P103X9200	0.01	.185 x .625	.93	.67	.53	.43
75—	192P223X9200	0.022	.229 x .687	1.12	.96	.90	.85
75—	192P473X9200	0.047	.315 x .645	1.24	.88	.71	.56
75—	192P104X9200	0.1	.343 x .77	1.40	1.00	.80	.64
75—	192P224X9200	0.22	.343 x 1.332	1.92	1.37	1.10	.88

730P SERIES METALLIZED POLYPROPYLENE CAPACITORS

Specifications:

- Operating Temperature: -55°C to +85°C
- Tolerance: 10%
- Low Power Dissipation
- Excellent AC Performance
- Low Dielectric Absorption
- Humidity Test: 95% relative humidity @ +40°C for 250 hours.
  No visible damage.
  Maximum Δ CAP ±1.0%
  Minimum IR = 20% of initial limit
  Maximum DF = 0.12%



Solid Tinned Wire
0.032 (0.81) Nominal Dia.
(No. 20 AWG)

LEAD-FREE

RoHS Compliant

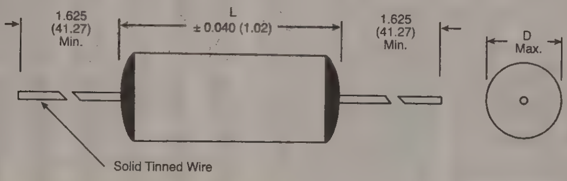
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.		Value (μF)	Dimensions: in. Dia. x L	Price Each			
Mfr.	Mfr. Part No.			1	10	50	100
100 WVDC							
75—	V730P105X9100	1.0	.421 x 1.0	7.59	7.30	6.57	4.96
250 WVDC							
75—	V730P104X9250	0.1	.279 x .75	3.69	3.55	3.12	2.41
75—	V730P224X9250	0.22	.306 x 1.0	3.90	3.75	3.30	2.55
75—	V730P474X9250	0.47	.422 x 1.0	4.37	4.20	3.70	2.86
75—	V730P105X9250	1.0	.513 x 1.25	4.60	4.43	3.98	3.01
75—	V730P205X9250	2.0	.70 x 1.25	5.88	5.65	4.97	3.84
400 WVDC							
75—	V730P104X9400	0.1	.348 x .75	3.80	3.65	3.21	2.48
75—	V730P105X9400	1.0	.655 x 1.25	2.60	2.50	2.20	1.70
75—	V730P474X9400	0.47	.545 x 1.0	4.68	4.50	3.96	3.06
75—	V730P334X9400	0.33	.469 x 1.00	4.16	4.00	3.52	2.72
75—	V730P205X9400	2.0	.752 x 1.75	6.08	5.85	5.15	3.98
630 WVDC							
75—	V730P104X9630	0.1	.408 x 1.0	4.16	4.00	3.52	2.72
75—	V730P105X9630	1.0	.794 x 1.75	7.80	7.50	6.60	5.10

632P SERIES METALLIZED POLYCARBONATE, WRAP-AND-FILL

Specifications:

- Operating Temperature: -55°C to +125°C
- Tolerance: 5%
- Dissipation Factor: 0.25% maximum
- Superior Performance
- High Efficiency
- High Reliability
- High Stability
- Rugged Construction
- Humidity Test: 95% relative humidity @ +40°C for 240 hours. No visible damage.
  Maximum Δ CAP ±5%
  Minimum IR = 50% of initial limit
  Maximum DF = 0.5%



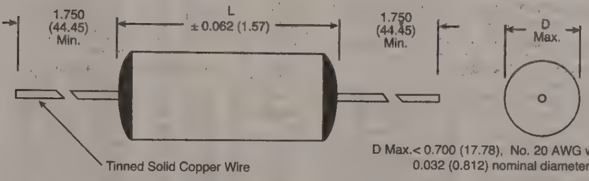
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Value (μF)	Dimensions: in. Dia. x L	Price Each			
Mfr.	Mfr. Part No.			1	5	10	25
50 WVDC							
75—	632P103X5050	0.01	.17 x .44	16.17	15.34	14.51	13.68
75—	632P473X5050	0.047	.17 x .44	25.62	24.22	22.97	21.84
75—	632P224X5050	0.22	.23 x .56	35.08	33.28	31.48	29.68
75—	632P684X5050	0.68	.31 x .56	50.31	47.73	45.15	42.57
75—	632P105X5050	1.0	.31 x .75	59.18	56.15	53.11	50.08

735P SERIES HIGH CURRENT, WRAP-AND-FILL, METALLIZED POLYPROPYLENE FILM CAPACITORS

Specifications:

- Operating Temperature: -55°C to +105°C
- Low ESR
- High Ripple to 30 Amps
- Tolerance: 10%
- Low Inductance
- Humidity Test: 95% relative humidity @ +40°C for 250 hours. No visible damage.
  Maximum Δ CAP ±1.0%
  Minimum IR = 20% of initial limit
  Maximum DF = 0.12%



D Max.< 0.700 (17.78), No. 20 AWG wire
0.032 (0.812) nominal diameter.

D Max.≥ 0.700 (17.78), No. 18 AWG wire
0.040 (1.016) nominal diameter.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Value (μF)	Dimensions: in. Dia. x L	Price Each			
Mfr.	Mfr. Part No.			1	5	10	25
100 WVDC							
75—	735P105X9100L	1.0	.531 x .75	10.05	8.98	8.62	8.26
75—	735P205X9100L	2.0	.596 x .938	18.90	16.88	16.20	15.53
75—	735P505X9100L	5.0	.733 x 1.25	29.04	25.93	24.89	23.85
200 WVDC							
75—	735P105X9200L	1.0	.512 x 1.25	6.47	5.78	5.54	5.31
75—	735P305X9200L	3.0	.747 x 1.5	9.91	8.85	8.50	8.14
75—	735P505X9200L	5.0	.862 x 1.75	16.80	15.00	14.40	13.80
75—	735P106X9200L	10	1.03 x 2.25	38.95	34.78	33.38	31.99
400 WVDC							
75—	735P105X9400L	1.0	.713 x 1.5	9.94	8.88	8.52	8.17
75—	735P205X9400L	2.0	.895 x 1.75	11.94	11.00	10.08	9.57
75—	735P305X9400L	3.0	1.086 x 1.75	24.56	21.93	21.05	20.17
75—	735P505X9400L	5.0	1.192 x 2.25	26.21	23.40	22.46	21.53
75—	735P106X9400L	10	1.668 x 2.25	51.32	45.83	43.99	42.16

VISHAY / SPRAGUE ORANGE DROP® Film Capacitors

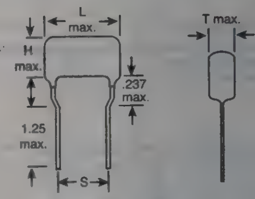
TYPE 225P POLYESTER FILM CAPACITORS

Type 225P capacitors are wound from PETP polyester film and thin gauge foil under carefully controlled atmospheric conditions. Protected against moisture by a conformal coating of epoxy. Specifically designed for printed wiring board applications. Widely used in computers, instrumentation and telecommunications equipment.

Specifications:

- Operating temperature: -55°C to +85°C
- Tolerance: ±10%
- Dissipation factor: maximum dissipation factor .75%
- Life test: shall withstand 500 hour life test at +85°C @ 150% of rated voltage

DIMENSIONS: in.



100 VDC / 70 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Dimensions: in.				Price Each		
			L	H	T	S	1	25	100
75-225P100V0.001	225P10291WD3	0.001	.70	.35	.25	.375	.48	.43	.36
75-225P100V0.0015	225P15291WD3	0.0015	.70	.35	.25	.375	.72	.55	.36
75-225P100V0.0022	225P22291WD3	0.0022	.70	.35	.25	.375	.48	.43	.36
75-225P100V0.0033	225P33291WD3	0.0033	.70	.35	.25	.375	.47	.42	.35
75-225P100V0.0039	225P39291WD3	0.0039	.70	.35	.25	.375	.72	.55	.36
75-225P100V0.0047	225P47291WD3	0.0047	.70	.35	.25	.375	.48	.43	.36
75-225P100V0.0056	225P56291WD3	0.0056	.70	.35	.25	.375	.39	.39	.30
75-225P100V0.0068	225P68291WD3	0.0068	.70	.35	.25	.375	.38	.37	.29
75-225P100V0.01	225P10391WD3	0.01	.70	.35	.25	.375	.48	.43	.36
75-225P100V0.015	225P15391WD3	0.015	.70	.35	.25	.375	.48	.43	.36
75-225P100V0.022	225P22391WD3	0.022	.70	.35	.25	.375	.48	.43	.36
75-225P100V0.027	225P27391WD3	0.027	.70	.37	.27	.375	.72	.55	.36
75-225P100V0.033	225P33391WD3	0.033	.70	.37	.27	.375	.56	.51	.43
75-225P100V0.039	225P39391WD3	0.039	.70	.42	.30	.375	.42	.41	.32
75-225P100V0.047	225P47391WD3	0.047	.70	.42	.30	.375	.54	.48	.40
75-225P100V0.056	225P56391WD3	0.056	.70	.49	.34	.375	.57	.51	.41
75-225P100V0.068	225P68391WD3	0.068	.70	.49	.34	.375	.45	.44	.34
75-225P100V0.082	225P82391WD3	0.082	.70	.55	.40	.375	.44	.44	.35
75-225P100V0.1	225P10491WD3	0.1	.70	.55	.40	.375	.86	.80	.56
75-225P100V0.12	225P12491XD3	0.12	.80	.57	.37	.375	1.10	.86	.57
75-225P100V0.15	225P15491XD3	0.15	.80	.62	.40	.375	.77	.68	.55
75-225P100V0.18	225P18491XD3	0.18	.80	.66	.43	.375	.92	.80	.65
75-225P100V0.22	225P22491XD3	0.22	.80	.70	.46	.375	1.04	1.00	.67
75-225P100V0.27	225P27491XD3	0.27	.80	.74	.49	.375	1.61	1.24	.81
75-225P100V0.33	225P33491XD3	0.33	.80	.77	.52	.375	1.52	1.14	.80
75-225P100V0.47	225P47491XD3	0.47	.80	.86	.60	.375	1.54	1.37	1.10
75-225P100V0.56	225P56491YD3	0.56	1.25	.88	.55	.719	1.90	1.69	1.40
75-225P100V0.68	225P68491YD3	0.68	1.25	.90	.58	.719	1.90	1.60	1.38
75-225P100V0.82	225P82491YD3	0.82	1.25	.94	.65	.719	3.50	2.70	1.78
75-225P100V1.0	225P10591YD3	1.0	1.25	.98	.72	.719	2.90	2.56	2.00

200 VDC / 140 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Dimensions: in.				Price Each		
			L	H	T	S	1	25	100
75-225P200V0.01	225P10392XD3	0.01	.80	.58	.28	.375	.44	.44	.35
75-225P200V0.022	225P22392XD3	0.022	.80	.58	.25	.375	.65	.57	.46
75-225P200V0.047	225P47392XD3	0.047	.80	.61	.28	.375	.70	.61	.50
75-225P200V0.1	225P10492XD3	0.1	.80	.71	.37	.375	.70	.61	.55
75-225P200V0.15	225P15492XD3	0.15	.80	.74	.41	.375	.72	.64	.57
75-225P200V0.22	225P22492XD3	0.22	.80	.77	.48	.375	.90	.80	.64
75-225P200V0.33	225P33492YD3	0.33	1.25	.71	.41	.719	1.60	1.24	.80
75-225P200V0.47	225P47492YD3	0.47	1.25	.83	.50	.719	1.56	1.40	1.18
75-225P200V0.68	225P68492YD3	0.68	1.25	1.14	.84	.719	2.25	1.98	1.62

400 VDC / 200 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	L	H	T	S	1	25	100
75-225P400V0.001	225P10294XD3	0.001	.80	.55	.25	.375	.56	.50	.41
75-225P400V0.0047	225P47294XD3	0.0047	.80	.55	.25	.375	.45	.43	.34
75-225P400V0.01	225P10394XD3	0.01	.80	.58	.28	.375	.56	.50	.42
75-225P400V0.015	225P15394XD3	0.015	.80	.58	.28	.375	.90	.70	.45
75-225P400V0.022	225P22394XD3	0.022	.80	.58	.31	.375	.60	.53	.43
75-225P400V0.033	225P33394XD3	0.033	.80	.65	.34	.375	.70	.60	.50
75-225P400V0.047	225P47394XD3	0.047	.80	.65	.41	.375	.70	.61	.50
75-225P400V0.1	225P10494XD3	0.1	.80	.84	.52	.375	1.10	.98	.66
75-225P400V0.15	225P15494YD3	0.15	1.25	.80	.47	.719	1.61	1.24	.81
75-225P400V0.22	225P22494YD3	0.22	1.25	.89	.56	.719	1.92	1.70	1.15
75-225P400V0.33	225P33494YD3	0.33	1.25	.99	.72	.719	2.25	1.98	1.62
75-225P400V0.47	225P47494YD3	0.47	1.25	1.14	.84	.719	5.20	4.60	3.80

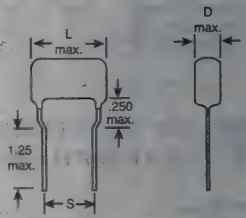
TYPE 715P POLYPROPYLENE FILM CAPACITORS

Type 715P capacitors are ideal for applications where high AC current flow is found, as in certain solid-state TV vertical circuits, RF generators, and pulse-forming networks where dielectric heating is often a problem.

Specifications:

- Operating temperature: -55°C to 85°C; up to +105°C when working voltage is reduced to 50% of the 85°C rating
- Tolerance: ±5%
- Life test: shall withstand 500 hour life test at +85°C @ 150% of rated voltage
- Conformally coated with a flame retardant epoxy

DIMENSIONS: in.



200 VDC / 155 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P200V0.01	715P10352JD3	0.01	.75	.37	.375	.64	.56	.51
75-715P200V0.015	715P15352JD3	0.015	.75	.37	.375	.64	.60	.40
75-715P200V0.022	715P22352JD3	0.022	.75	.37	.375	.64	.60	.57
75-715P200V0.033	715P33352JD3	0.033	.75	.42	.375	.72	.65	.58
75-715P200V0.047	715P47352KD3	0.047	.95	.40	.375	.70	.67	.65
75-715P200V0.068	715P68352KD3	0.068	.95	.45	.375	.67	.52	.50
75-715P200V0.1	715P10452LD3	0.1	1.30	.45	.719	.77	.59	.54
75-715P200V0.15	715P15452LD3	0.15	1.30	.55	.719	1.07	.82	.63
75-715P200V0.22	715P22452LD3	0.22	1.30	.62	.719	1.07	1.00	.96
75-715P200V0.33	715P33452MD3	0.33	1.70	.65	1.09	1.70	1.49	1.34
75-715P200V0.47	715P47452MD3	0.47	1.70	.75	1.09	1.71	1.31	1.00

400 VDC / 200 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	L	D	S	1	25	100
75-715P400V0.0047	715P47254JD3	0.0047	.75	.40	.375	.64	.57	.51
75-715P400V0.0068	715P68254JD3	0.0068	.75	.40	.375	.53	.40	.31
75-715P400V0.01	715P10354JD3	0.01	.75	.40	.375	.53	.40	.38
75-715P400V0.022	715P22354KD3	0.022	.95	.45	.375	.67	.52	.50
75-715P400V0.033	715P33354KD3	0.033	.95	.50	.375	.67	.52	.39
75-715P400V0.047	715P47354LD3	0.047	1.30	.50	.719	1.10	.89	.83
75-715P400V0.068	715P68354LD3	0.068	1.30	.55	.719	.91	.70	.65
75-715P400V0.1	715P10454LD3	0.1	1.30	.60	.719	1.18	1.00	.96
75-715P400V0.15	715P15454LD3	0.15	1.30	.65	.719	1.27	1.13	1.01
75-715P400V0.22	715P22454MD3	0.22	1.70	.70	1.09	1.42	1.36	1.25
75-715P400V0.33	715P33454MD3	0.33	1.70	.80	1.09	1.48	1.36	1.24
75-715P400V0.47	715P47454MD3	0.47	1.70	.90	1.09	2.03	1.56	1.19

600 VDC / 200 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	L	D	S	1	25	100
75-715P600V0.001	715P10256JD3	0.001	.75	.40	.375	.57	.53	.46
75-715P600V0.0015	715P15256JD3	0.0015	.75	.40	.375	.50	.47	.36
75-715P600V0.0022	715P22256JD3	0.0022	.75	.40	.375	.47	.36	.34
75-715P600V0.0033	715P33256JD3	0.0033	.75	.40	.375	.57	.51	.41
75-715P600V0.0047	715P47256JD3	0.0047	.75	.45	.375	.47	.36	.28
75-715P600V0.0068	715P68256JD3	0.0068	.75	.45	.375	.64	.57	.51
75-715P600V0.01	715P10356KD3	0.01	.95	.45	.375	.59	.45	.43
75-715P600V0.015	715P15356KD3	0.015	.95	.50	.375	.73	.65	.58
75-715P600V0.022	715P22356KD3	0.022	.95	.55	.375	.87	.76	.72
75-715P600V0.033	715P33356LD3	0.033	1.30	.55	.719	.92	.72	.55
75-715P600V0.047	715P47356LD3	0.047	1.30	.60	.719	.77	.59	.56
75-715P600V0.068	715P68356LD3	0.068	1.30	.65	.719	.94	.72	.70
75-715P600V0.1	715P10456LD3	0.1	1.30	.75	.719	1.22	.93	.71
75-715P600V0.15	715P15456MD3	0.15	1.70	.75	1.09	1.47	1.13	.86
75-715P600V0.22	715P22456MD3	0.22	1.70	.85	1.09	2.45	1.88	1.44

800 VDC / 450 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P800V0.0068	715P68258LD3	0.0068	1.30	.50	.719	.77	.59	.45
75-715P800V0.01	715P10358LD3	0.01	1.30	.50	.719	.77	.59	.45
75-715P800V0.015	715P15358LD3	0.015	1.30	.55	.719	.77	.68	.66
75-715P800V0.022	715P22358LD3	0.022	1.30	.60	.719	.95	.72	.56
75-715P800V0.033	715P33358LD3	0.033	1.30	.70	.719	1.46	1.30	1.17
75-715P800V0.047	715P47358MD3	0.047	1.70	.70	1.09	1.87	1.63	1.58
75-715P800V0.068	715P68358MD3	0.068	1.70	.80	1.09	1.73	1.31	1.00
75-715P800V0.1	715P10458MD3	0.1	1.70	.90	1.09	2.45	2.18	1.95

1200 VDC / 475 VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P1200V0.015	715P153512LD3	0.015	1.30	.65	.719	1.22	1.10	1.00
75-715P1200V0.047	715P473512MD3	0.047	1.70	.85	1.09	2.02	1.93	1.76

1600 VDC / 500 VAC

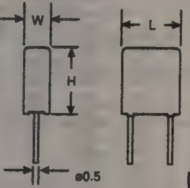
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Dimensions: in.			Price Each		
			L	D	S	1	25	100
75-715P1600V0.001	715P102516LD3	0.001	1.30	.50	.719	.77	.59	.56
75-715P1600V0.0022	715P222516LD3	0.0022	1.30	.50	.719	.77	.59	.45
75-715P1600V0.0033	715P332516LD3	0.0033	1.30	.55	.719	.89	.84	.82
75-715P1600V0.0047	715P472515LD3	0.0047	1.30	.60	.719	.89	.68	.52
75-715P1600V0.0068	715P682516LD3	0.0068	1.30	.65	.719	1.00	.76	.70
75-715P1600V0.01	715P103516LD3	0.01	1.30	.70	.719	1.60	1.33	1.28
75-715P1600V0.015	715P153516MD3	0.015	1.70	.75	1.09	1.54	1.18	.90
75-715P1600V0.022	715P223516MD3	0.022	1.70	.85	1.09	2.01	1.54	1.18
75-715P1600V0.033	715P333516MD3	0.033	1.70	.95	1.09	2.44	1.87	1.70

WIMA Radial Lead Film Capacitors

RoHS Compliant This page of product is compliant.

MKP2 SERIES METALLIZED POLYPROPYLENE



RoHS Compliant

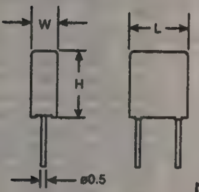
Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Metallized plastic film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- For high frequency applications
- Suited for "sample & hold" circuits
- Stable negative TC
- Low ESR

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-MKP20.01/100/5	MKP2 0.01/100/5	100/63	0.01	5%	2.5	6.5	7.2	5.0	.42	.36	.30	.24
505-MKP20.022/100/5	MKP2 0.022/100/5	100/63	0.022	5%	3	7.5	7.2	5.0	.44	.38	.32	.25
505-MKP20.033/100/5	MKP2 0.033/100/5	100/63	0.033	5%	3	7.5	7.2	5.0	.46	.39	.33	.26
505-MKP20.047/100/5	MKP2 0.047/100/5	100/63	0.047	5%	3.5	8.5	7.2	5.0	.49	.42	.35	.28
505-MKP20.1/100/5	MKP2 0.1/100/5	100/63	0.1	5%	5	10	7.2	5.0	.65	.56	.46	.37
505-MKP20.15/100/5	MKP2 0.15/100/5	100/63	0.15	5%	7.2	13	7.2	5.0	.87	.74	.62	.50
505-MKP20.22/100/5	MKP2 0.22/100/5	100/63	0.22	5%	7.2	13	7.2	5.0	1.02	.87	.73	.58
505-MKP20.33/100/5	MKP2 0.33/100/5	100/63	0.33	5%	8.5	14	7.2	5.0	1.18	1.01	.84	.67
505-MKP26800/250/5	MKP2 6800/250/5	250/160	0.0068	5%	2.5	6.5	7.2	5.0	.40	.34	.29	.23
505-MKP20.01/250/5	MKP2 0.01/250/5	250/160	0.01	5%	2.5	6.5	7.2	5.0	.43	.37	.31	.25
505-MKP20.022/250/5	MKP2 0.022/250/5	250/160	0.022	5%	3	7.5	7.2	5.0	.49	.42	.35	.28
505-MKP20.033/250/5	MKP2 0.033/250/5	250/160	0.033	5%	3	7.5	7.2	5.0	.55	.47	.40	.32
505-MKP20.047/250/5	MKP20.047/250/5	250/160	0.047	5%	3.5	7.5	7.2	5.0	.64	.55	.46	.37
505-MKP20.1/250/5	MKP20.1/250/5	250/160	0.1	5%	5	10	7.2	5.0	.95	.82	.68	.55
505-MKP20.22/250/5	MKP2 0.22/250/5	250/160	0.22	5%	7.2	13	7.2	5.0	1.37	1.18	.98	.78
505-MKP20.33/250/5	MKP2 0.33/250/5	250/160	0.33	5%	8.5	14	7.2	5.0	1.58	1.35	1.13	.90
505-MKP20.01/400/5	MKP20.01/400/5	400/200	0.01	5%	3.5	8.5	7.2	5.0	.46	.39	.33	.24
505-MKP21000/630/10	MKP2 1000/630/10	630/250	0.001	10%	2.5	6.5	7.2	5.0	.35	.30	.25	.20
505-MKP24700/630/5	MKP24700/630/5	630/250	0.0047	5%	3	7.5	7.2	5.0	.41	.35	.30	.21

MKS2 SERIES METALLIZED POLYESTER



RoHS Compliant

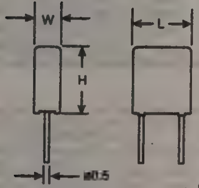
Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polyethylene-terephthalate film
- Capacitor Electrodes: Metalized plastic film
- Encapsulation: Flame retardant vacuum-deposited aluminum

Features:
- Reservoir capacitor with unlimited life at high temperatures
- Ideally suited for wide temperature range applications

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-MKS22.2/50/10	MKS2-2.2/50/10	50/30	2.2	10%	5.5	11.5	7.2	5	3.17	2.66	2.18	1.74
505-MKS2.01/63/10	MKS2-.01/63/10	63/40	0.01	10%	2.5	6.5	7.2	5	.23	.19	.16	.13
505-MKS20.01/63/5	MKS2-.01/63/5	63/40	0.01	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS20.022/63/5	MKS2-.022/63/5	63/40	0.022	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS20.047/63/10	MKS2-.047/63/10	63/40	0.047	10%	2.5	6.5	7.2	5	.21	.17	.15	.12
505-MKS20.047/63/5	MKS2-.047/63/5	63/40	0.047	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS20.068/63/5	MKS2-.068/63/5	63/40	0.068	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS2.1/63/10	MKS2-.1/63/10	63/40	0.10	10%	2.5	6.5	7.2	5	.23	.19	.16	.13
505-MKS2.1/63/5	MKS2-.1/63/5	63/40	0.10	5%	2.5	6.5	7.2	5	.25	.21	.17	.14
505-MKS2.15/63/10	MKS2-.15/63/10	63/40	0.15	10%	2.5	6.5	7.2	5	.32	.26	.22	.17
505-MKS20.22/63/10	MKS2-.22/63/10	63/40	0.22	10%	3.0	7.5	7.2	5	.32	.27	.23	.18
505-MKS20.22/63/5	MKS2-.22/63/5	63/40	0.22	5%	3.0	7.5	7.2	5	.38	.32	.26	.21
505-MKS2.33/63/10	MKS2-.33/63/10	63/40	0.33	10%	3.5	8.5	7.2	5	.47	.39	.28	.26
505-MKS2.47/63/10	MKS2-.47/63/10	63/40	0.47	10%	4.5	9.5	7.2	5	.55	.46	.32	.30
505-MKS20.47/63/5	MKS2-.47/63/5	63/40	0.47	5%	4.5	9.5	7.2	5	.58	.48	.40	.32
505-MKS21.0/63/10	MKS2-1/63/10	63/40	1.0	10%	5.0	10	7.2	5	1.05	.88	.72	.58
505-MKS21.0/63/5	MKS2-1.0/63/5	63/40	1.0	5%	5.0	10	7.2	5	1.10	.92	.75	.60
505-MKS21.5/63/5	MKS2-1.5/63/5	63/40	1.5	5%	5.5	11.5	7.2	5	1.96	1.64	1.35	1.08
505-MKS2.01/100/10	MKS2-.01/100/10	100/63	0.01	10%	2.5	6.5	7.2	5	.26	.21	.18	.14
505-MKS2.1/100/10	MKS2-.1/100/10	100/63	0.1	10%	3.0	7.5	7.2	5	.28	.23	.19	.15

MKM2 SERIES METALLIZED MIXED DIELECTRIC



RoHS Compliant

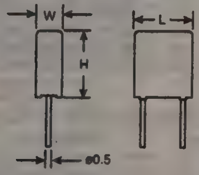
Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Mixed film
- Capacitor Electrodes: Vacuum deposited aluminum
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- Reservoir and decoupling capacitors with low inductance
- Almost linear capacitance/temperature coefficient
- Ideally suited for wide temperature range applications

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-MKM20.022/100/5	MKM2 0.022/100/5	100/63	0.022	5%	3	7.5	7.2	5.0	.27	.23	.20	.16
505-MKM20.033/100/5	MKM2 0.033/100/5	100/63	0.033	5%	3.5	8.5	7.2	5.0	.33	.29	.24	.19
505-MKM20.047/100/5	MKM20.047/100/5	100/63	0.047	5%	4.5	9.5	7.2	5.0	.37	.32	.27	.21
505-MKM20.1/100/5	MKM20.1/100/5	100/63	0.1	5%	5.5	11.5	7.2	5.0	.62	.53	.45	.36
505-MKM20.22/100/5	MKM2 0.22/100/5	100/63	0.22	5%	8.5	14	7.2	5.0	.76	.65	.54	.44
505-MKM20.01/250/5	MKM20.01/250/5	250/160	0.01	5%	3	7.5	7.2	5.0	.32	.30	.28	.24

FKP2 SERIES FILM/FOIL POLYPROPYLENE



RoHS Compliant

Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Metal foil film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- Pulse applications with high repetition frequency
- Suited for replacement of polystyrene capacitors in audio and HF applications.

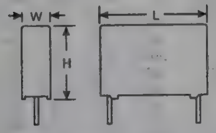
For quantities of 1,000 and up, call for quote.

505-FKP24700/63/2.5	FKP2-4700/63/2.5	63/40	0.0047	2.5%	4.5	6	7.2	5	.53	.44	.36	.29
505-FKP20.01/63/5	FKP2-.01/63/5	63/40	0.01	5.0%	5.5	7	7.2	5	.46	.39	.32	.26
505-FKP20.01/63/2.5	FKP2-.01/63/2.5	63/40	0.01	2.5%	5.5	7	7.2	5	.53	.44	.36	.29
505-FKP20.01/63/1	FKP2-.01/63/1	63/40	0.01	1.0%	5.5	7	7.2	5	1.29	1.08	.89	.71
505-FKP20.022/63/2.5	FKP2-.022/63/2.5	63/40	0.022	2.5%	7.2	8.5	7.2	5	.74	.62	.51	.44
505-FKP2100/100/5	FKP2-100/100/5	100/63	100pF	5.0%	4.5	6	7.2	5	.32	.27	.22	.18
505-FKP2150/100/2.5	FKP2-150/100/2.5	100/63	150pF	2.5%	4.5	6	7.2	5	.38	.31	.26	.21
505-FKP2220/100/2.5	FKP2-220/100/2.5	100/63	220pF	2.5%	4.5	6	7.2	5	.38	.31	.26	.21
505-FKP2330/100/5	FKP2-330/100/5	100/63	330pF	5.0%	4.5	6	7.2	5	.33	.28	.23	.18
505-FKP2470/100/2.5	FKP2-470/100/2.5	100/63	470pF	2.5%	4.5	6	7.2	5	.38	.31	.26	.21
505-FKP2680/100/2.5	FKP2-680/100/2.5	100/63	680pF	2.5%	4.5	6	7.2	5	.38	.32	.26	.21
505-FKP21000/100/5	FKP2-1000/100/5	100/63	0.001	5.0%	4.5	6	7.2	5	.34	.28	.23	.19
505-FKP21000/100/2.5	FKP2-1000/100/2.5	100/63	0.001	2.5%	4.5	6	7.2	5	.39	.32	.27	.21
505-FKP21500/100/2.5	FKP2-1500/100/2.5	100/63	0.0015	2.5%	4.5	6	7.2	5	.36	.30	.26	.20
505-FKP22200/100/2.5	FKP2-2200/100/2.5	100/63	0.0022	2.5%	4.5	6	7.2	5	.40	.34	.28	.22
505-FKP24700/100/2.5	FKP2-4700/100/2.5	100/63	0.0047	2.5%	5.5	7	7.2	5	.52	.44	.36	.29
505-FKP20.01/100/2.5	FKP2-.01/100/2.5	100/63	0.01	2.5%	6.5	8	7.2	5	.63	.53	.43	.35

WIMA Film Capacitors and Snubbers

RoHS Compliant This page of product is compliant.

MKP10 SERIES RADIAL LEAD METALLIZED POLYPROPYLENE FILM CAPACITORS



RoHS Compliant

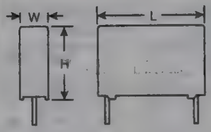
Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Double sided metallized plastic film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- For SMPS, loudspeakers, lighting, monitors, and televisions
- Self-healing pulse duty construction

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Lead Spacing (mm)	Price Each			
					W	H	L		1	10	100	500
505-M100.1/160/5	MKP10-.1/160/5	160/100	0.1	5%	6	12.5	13	10	.74	.63	.53	.42
505-M101.0/160/5	MKP10-1.0/160/5	160/100	1.0	5%	10.5	19	26.5	22.5	2.76	2.36	1.97	1.58
505-M10.1/250/10	MKP10-.1/250/10	250/180	0.1	10%	5	11	18	15	.81	.68	.56	.44
505-M10.1/250/5	MKP10-.1/250/5	250/180	0.1	5%	5	11	18	15	.81	.71	.58	.46
505-M10.22/250/10	MKP10-.22/250/10	250/180	0.22	10%	7	14	18	15	1.11	.93	.76	.61
505-M10.047/400/10	MKP10-.047/400/10	400/250	0.047	10%	5	11	18	15	.81	.68	.56	.44
505-M10.1/400/10	MKP10-.1/400/10	400/250	0.1	10%	7	14	18	15	.95	.80	.65	.52
505-M10.22/400/20	MKP10-.22/400/20	400/250	0.22	20%	7	16.5	26.5	22.5	1.62	1.36	1.12	.89
505-M101/400/10	MKP10-1/400/10	400/250	1.0	10%	13	24	31.5	27.5	5.17	4.33	3.56	2.84
505-M10.01/630/10	MKP10-.01/630/10	630/400	0.01	10%	4	9	13	10	.62	.52	.43	.34
505-M10.22/630/5	MKP10-.22/630/5	630/400	0.22	5%	10.5	19	26.5	22.5	3.48	2.91	2.39	1.91
505-M10.68/630/10	MKP10-.68/630/10	630/400	0.68	10%	15	26	31.5	27.5	7.54	6.31	5.18	4.14
505-M101000/1000/5	MKP10-1000/1000/5	1000/600	0.001	5%	4	9	13	10	.50	.43	.36	.29
505-M10.022/1000/20	MKP10-.022/1000/20	1000/600	0.022	20%	6	12.5	18	15	1.11	.93	.76	.61
505-M100.047/1000/5	MKP10-.047/1000/5	1000/600	0.047	5%	8	15	18	15	1.38	1.19	.99	.79
505-M10.33/1000/10	MKP10-.33/1KV/10	1000/600	0.33	10%	15	26	31.5	27.5	6.22	5.21	4.27	3.42
505-M101000/2000/10	MKP10-1000/2000/10	2000/700	0.001	10%	4	9	13	10	.58	.50	.41	.33
505-M100.01/2000/5	MKP10-.01/2000/5	2000/700	0.01	5%	7	14	18	15	1.31	1.12	.93	.75

FKP1 SERIES RADIAL LEAD FILM/FOIL POLYPROPYLENE CAPACITORS



RoHS Compliant

Specifications:
- Dielectric: Polypropylene film
- Temperature Range: - 55° C to + 100° C
- Capacitor Electrodes: Aluminum foil and double sided metallized plastic film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

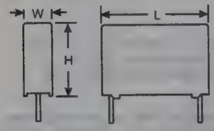
Features:
- With metal foil electrode, internally series-connected for very high current ratings.

Applications:
- Damping and commutation capacitors in switch mode power supplies, static frequency changes in drive and power electronics, deflection systems in monitors and televisions.

For quantities of 1,000 and up, call for quote.

505-FKP10.01/400/5	FKP1-.01/400/5	400/250	0.01	5%	5	11	18	15	.74	.63	.53	.42
505-FKP1.047/400/5	FKP1-.047/400/5	400/250	0.047	5%	7	16.5	26.5	22.5	1.62	1.35	1.11	.89
505-FKP10.1/400/5	FKP1-.1/400/5P22.5	400/250	0.1	5%	10.5	20.5	26.5	22.5	2.29	1.96	1.63	1.31
505-FKP1.22/400/5	FKP1-.22/400/5	400/250	0.22	5%	13	24	31.5	27.5	3.92	3.29	2.70	2.16
505-FKP14700/630/5	FKP1-4700/630/5	630/400	0.0047	5%	5	11	18	15	.70	.60	.50	.40
505-FKP1.022/630/5	FKP1-.022/630/5	630/400	0.022	5%	7	16.5	26.5	22.5	1.57	1.31	1.08	.86
505-FKP10.22/630/5	FKP1-.22/630/5	630/400	0.22	5%	15	26	41.5	37.5	5.11	4.38	3.65	2.92
505-FKP16800/1000/5	FKP1-6800/10005	1000/600	0.0068	5%	7	14	18	15	1.09	.91	.75	.60
505-FKP1.047/1000/5	FKP1-.047/1000/5	1000/600	0.047	5%	11	21	31.5	27.5	2.47	2.07	1.70	1.36
505-FKP11000/1250/5	FKP1-1000/1250/5	1250/600	0.001	5%	5	11	18	15	.69	.59	.50	.40
505-FKP12200/1250/10	FKP1-2200/1250/10	1250/600	0.0022	10%	5	11	18	15	.78	.65	.53	.43
505-FKP1.01/1250/5	FKP1-.01/1250/5	1250/600	0.01	5%	7	16.5	26.5	15	1.40	1.18	.97	.77
505-FKP1.033/1250/5P	FKP1-.033/1250/5P27	1250/600	0.033	5%	11	21	31.5	27.5	2.38	1.99	1.63	1.31
505-FKP10.047/1250/5	FKP1-.047/1250/5P27.5	1250/600	0.047	5%	13	24	31.5	27.5	2.59	2.22	1.85	1.48
505-FKP1.068/1250/10	FKP1-.068/1250/10	1250/600	0.068	10%	11	22	41.5	37.5	3.81	3.19	2.62	2.10
505-FKP1.22/1250/5	FKP1-.22/1250/5	1250/600	0.22	5%	19	32	41.5	37.5	7.47	6.25	5.13	4.11
505-FKP1150/1600/5	FKP1-150/1600/5	1600/650	150pF	5%	5	11	18	15	.86	.72	.59	.47
505-FKP1220/1600/5	FKP1-220/1600/5	1600/650	220pF	5%	5	11	18	15	.90	.76	.62	.50
505-FKP1330/1600/5	FKP1-330/1600/5	1600/650	330pF	5%	5	11	18	15	.90	.76	.62	.50
505-FKP1470/1600/5	FKP1-470/1600/5	1600/650	470pF	5%	5	11	18	15	.91	.76	.62	.50
505-FKP1680/1600/5	FKP1-680/1600/5	1600/650	680pF	5%	5	11	18	15	.95	.79	.65	.52
505-FKP1.022/1600/5	FKP1-.022/1600/5	1600/650	0.022	5%	11	21	31.5	27.5	3.04	2.55	2.09	1.67
505-FKP1.033/1600/5P	FKP1-.033/1600/5P27	1600/650	0.033	5%	13	24	31.5	27.5	3.26	2.73	2.24	1.80
505-FKP1100/2000/5	FKP1-100/2000/5	2000/700	100pF	5%	5	11	18	15	.76	.65	.54	.43
505-FKP14700/2000/5	FKP1-4700/2000/5	2000/700	0.0047	5%	8.5	18.5	26.5	22.5	1.62	1.39	1.16	.93
505-FKP1470/6000/5	FKP1-470/6000/5	6000/700	470pF	5%	5	14	26.5	22.5	1.23	1.05	.88	.70
505-FKP10.022/6000/5	FKP1-.022/6000/5	6000/700	0.022	5%	17	29	41.5	37.5	5.32	4.56	3.80	3.04

MKM4 SERIES RADIAL LEAD METALLIZED MIXED DIELECTRIC FILM CAPACITORS



RoHS Compliant

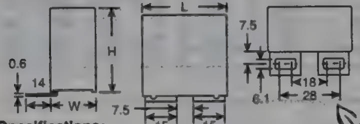
Specifications:
- Temperature Range: - 55° C to + 100° C
- Insulation Resistance: @ + 20° C: ≥ 3 x 104 MΩ
- Capacitor Electrodes: Vacuum deposited aluminum
- Encapsulation: Flame retardant plastic case, UL 94 V-0
- Dielectric: Mixed film

Features:
- Almost linear capacitance/temperature coefficient
- Ideally suited for wide temperature range applications

For quantities of 1,000 and up, call for quote.

505-MKM40.047/250/5	MKM4-.047/250/5	250/160	0.047	5%	4	9	13	10	.41	.35	.29	.24
505-MKM40.1/250/5	MKM4-.1/250/5	250/160	0.1	5%	5	11	13	10	.50	.43	.36	.29
505-MKM40.22/250/5	MKM4-.22/250/5	250/160	0.22	5%	5	11	18	15	.63	.54	.45	.36
505-MKM40.33/250/5	MKM4-.33/250/5	250/160	0.33	5%	6	12.5	18	15	.76	.65	.54	.44
505-MKM40.47/250/5	MKM4-.47/250/5	250/160	0.47	5%	7	14	18	15	.90	.77	.64	.52
505-MKM41.0/250/5	MKM4-1.0/250/5	250/160	1	5%	7	16.5	26.5	22.5	1.66	1.42	1.19	.96
505-MKM41.5/250/5	MKM4-1.5/250/5	250/160	1.5	5%	10.5	19	26.5	22.5	2.31	1.98	1.65	1.33
505-MKM42.2/250/5	MKM4-2.2/250/5	250/160	2.2	5%	11	21	26.5	22.5	2.82	2.42	2.02	1.63
505-MKM43.3/250/5	MKM4-3.3/250/5	250/160	3.3	5%	13	24	31.5	27.5	4.11	3.53	2.94	2.38
505-MKM44.7/250/5	MKM4-4.7/250/5	250/160	4.7	5%	15	26	31.5	27.5	5.26	4.51	3.76	3.04

FKP SERIES FILM/FOIL POLYPROPYLENE IGBT SNUBBER CAPACITORS



RoHS Compliant

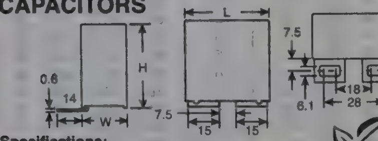
Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Aluminum foil and metallized plastic film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- Low inductive construction achieved with end-surface contacts
- Internally series connected
- Self-healing construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Price Each		
					W	H	L	1	10	100
505-SF0.47/630/5A1	FKP-.47/630/5A1	630/400	0.47	5%	17	29	41.5	22.31	19.12	15.93
505-SF2.2/630/5A1	FKP-2.2/630/5A1	630/400	2.2	5%	27	37.5	56	38.56	33.05	27.55
505-SF0.1/1000/5A1	FKP-.1/1000/5A1	1000/600	0.1	5%	11	22	41.5	19.39	16.62	13.85
505-SF1.0/1000/5A1	FKP-1.0/1000/5A1	1000/600	1	5%	27	37.5	56	34.55	29.61	24.68
505-SF0.047/1600/5A1	FKP-.047/1600/5A1	1600/650	0.047	5%	11	22	41.5	19.87	17.03	14.19
505-SF0.1/1600/5A1	FKP-.1/1600/5A1	1600/650	0.1	5%	17	29	41.5	21.06	18.05	15.05
505-SF0.47/1600/5A1	FKP-.47/1600/5A1	1600/650	0.47	5%	27	37.5	56	32.79	28.11	23.42
505-SF0.022/2000/5A1	FKP-.022/2000/5A1	2000/700	0.022	5%	11	21	31.5	18.89	16.19	13.49
505-SF0.1/2000/5A1	FKP-.1/2000/5A1	2000/700	0.1	5%	17	29	41.5	21.94	18.80	15.67
505-SF0.47/2000/5A1	FKP-.47/2000/5A1	2000/700	0.47	5%	27	37.5	56	34.11	29.24	24.37

MKP SERIES METALLIZED POLYPROPYLENE IGBT SNUBBER CAPACITORS



RoHS Compliant

Specifications:
- Temperature Range: - 55° C to + 100° C
- Dielectric: Polypropylene film
- Capacitor Electrodes: Double-sided metallized plastic film
- Encapsulation: Flame retardant plastic case, UL 94 V-0

Features:
- Low inductive construction achieved with end-surface contacts
- Double-sided metallization for high pulse ratings
- Internally series connected
- Self-healing construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Wima Part No.	Volts (Vdc/Vac)	Value (µF)	Tol. ±	Dimensions: mm			Price Each		
					W	H	L	1	10	100
505-SM1.0/630/5A1	MKP-1.0/630/5A1	630/400	1	5%	17	29	31.5	21.84	18.72	15.60
505-SM2.2/630/5A1	MKP-2.2/630/5A1L41.5	630/400	2.2	5%	20	39.5	41.5	27.21	23.32	19.43
505-SM0.47/1000/5A1	MKP-.47/1000/5A1	1000/600	0.47	5%	17	29	31.5	20.97	17.97	14.98
505-SM2.2/1000/5A1	MKP-2.2/1000/5A1L41.5	1000/600	2.2	5%	31	46	41.5	31.98	27.41	22.84
505-SM0.47/1600/5A1	MKP-.47/1600/5A1	1600/650	0.47	5%	19	32	41.5	21.75	18.92	15.77
505-SM1.0/1600/5A1	MKP-1.0/1600/5A1L41.5	1600/650	1	5%	24	45.5	41.5	26.65	22.84	19.04
505-SM2.2/1600/5A1	MKP-2.2/1600/5A1	1600/650	2.2	5%	33	48	56	38.60	33.09	27.57
505-SM0.1/2000/5A1	MKP-0.1/2000/5A1	2000/700	0.1	5%	13	24	31.5	19.09	16.61	13.84
505-SM0.22/2000/5A1	MKP-.22/2000/5A1	2000/700	0.22	5%	17	34.5	31.5	21.04	18.03	15.03
505-SM1.0/2000/5A1	MKP-1.0/2000/5A1	2000/700	1	5%	33	48	56	35.95	30.82	25.68

XICON Polyester Film Capacitors

POLYESTER

Specifications:

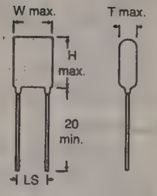
- Rating temperature: -40°C to +85°C
- Withstanding volts: 250% rated voltage (5 sec.)
- Insulation resistance: not >30GΩ @ 1kHz, 20°C
- Dielectric dissipation factor: max. 1.0% @ 1 kHz, 25°C
- Coating: conformally coated with flame retardant epoxy resin

Part Number Guide Chart:

140	PF	2A	102	K
Prefix	Series	VDC	Value	Tol.

Value and lead spacing for 1H-50 and 2A-100 Volt:

Value (μF)	LS (mm) ±1	Value (μF)	LS (mm) ±1
.001-.012	3.5	.068-.12	7.5
.015-.03	4.0	.15-.27	9.0
.033-.056	5.0	.33-.68	10.0



DIMENSIONS: mm

Value and lead spacing for 2D-200 and 2G-400 Volt:

Value (μF)	LS (mm) ±1
.001-.0047	3.5
.01-.022	5.0
.047-.05	7.5
.1	10.0
.12-.22	12.5

1H-50 VDC ±10% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions: mm			Price Each		
		W	H	T	1	100	500
140-PF1H102K	.001	6.0	10.5	3.0	.10	.052	.047
140-PF1H502K	.005	6.0	10.5	3.0	.10	.052	.047
140-PF1H103K	.01	6.5	12	3.5	.11	.057	.052
140-PF1H153K	.015	7.0	12	3.5	.11	.057	.052
140-PF1H203K	.02	7.0	12	4.0	.14	.067	.061
140-PF1H303K	.03	7.5	12	4.0	.15	.073	.066
140-PF1H473K	.047	8.5	13	5.0	.17	.085	.077
140-PF1H503K	.05	8.5	13	5.0	.17	.085	.077
140-PF1H104K	.1	11	14	6.0	.24	.12	.11
140-PF1H204K	.20	12.5	17	7.0	.36	.18	.15
140-PF1H224K	.22	13	17	7.5	.36	.18	.15
140-PF1H334K	.33	14.5	21	8.5	.38	.24	.22
140-PF1H474K	.47	16	22	9.0	.43	.27	.25

2A-100 VDC ±2% For quantities of 1000 and up, call for quote.

140-PF2A102F	.001	6.0	10.5	3.0	.51	.41	.36
140-PF2A122F	.0012	6.0	10.5	3.0	.51	.41	.36
140-PF2A152F	.0015	6.0	10.5	3.0	.51	.41	.36
140-PF2A182F	.0018	6.0	10.5	3.0	.51	.41	.36
140-PF2A202F	.002	6.0	10.5	3.0	.51	.41	.36
140-PF2A222F	.0022	6.0	10.5	3.0	.51	.41	.36
140-PF2A272F	.0027	6.0	10.5	3.0	.51	.41	.36
140-PF2A302F	.003	6.0	10.5	3.0	.51	.41	.36
140-PF2A332F	.0033	6.0	10.5	3.0	.51	.41	.36
140-PF2A392F	.0039	6.0	10.5	3.0	.51	.41	.36
140-PF2A502F	.005	6.0	10.5	3.0	.51	.41	.36
140-PF2A562F	.0056	6.0	10.5	3.0	.51	.41	.36
140-PF2A682F	.0068	6.0	10.5	3.5	.51	.41	.36
140-PF2A822F	.0082	6.5	10.5	3.5	.51	.41	.36
140-PF2A103F	.01	6.5	12	3.5	.51	.41	.36
140-PF2A123F	.012	6.5	12	3.5	.51	.41	.36
140-PF2A153F	.015	7.0	12	3.5	.51	.41	.36
140-PF2A183F	.018	7.0	12	4.0	.51	.41	.36
140-PF2A203F	.02	7.0	12	4.0	.54	.43	.37
140-PF2A223F	.022	7.5	12	4.0	.54	.43	.37
140-PF2A273F	.027	7.5	12	4.0	.54	.43	.37
140-PF2A303F	.03	7.5	12	4.0	.65	.52	.45
140-PF2A333F	.033	8.0	12	5.0	.65	.52	.45
140-PF2A393F	.039	8.0	13	5.0	.68	.54	.47
140-PF2A473F	.047	8.5	13	5.0	.70	.56	.49
140-PF2A503F	.05	8.5	13	5.0	.76	.61	.53
140-PF2A563F	.056	9.0	13	5.0	.76	.61	.53
140-PF2A683F	.068	9.5	13	5.0	.88	.70	.61
140-PF2A823F	.082	10	13	6.0	.96	.77	.67
140-PF2A104F	.1	11	14	6.0	.99	.87	.76

2A-100 VDC ±3% For quantities of 1000 and up, call for quote.

140-PF2A102G	.001	6.0	10.5	3.0	.48	.38	.33
140-PF2A122G	.0012	6.0	10.5	3.0	.48	.38	.33
140-PF2A152G	.0015	6.0	10.5	3.0	.48	.38	.33
140-PF2A222G	.0022	6.0	10.5	3.0	.48	.38	.33
140-PF2A302G	.003	6.0	10.5	3.0	.48	.38	.33
140-PF2A332G	.0033	6.0	10.5	3.0	.48	.38	.33
140-PF2A392G	.0039	6.0	10.5	3.0	.48	.38	.33
140-PF2A472G	.0047	6.0	10.5	3.0	.48	.38	.33
140-PF2A502G	.0050	6.0	10.5	3.0	.48	.38	.33
140-PF2A562G	.0056	6.0	10.5	3.0	.48	.38	.33
140-PF2A682G	.0068	6.0	10.5	3.5	.48	.38	.33
140-PF2A822G	.0082	6.0	10.5	3.5	.48	.38	.33
140-PF2A103G	.01	6.5	12.0	3.5	.48	.38	.33
140-PF2A123G	.012	6.5	12.0	3.5	.48	.38	.33
140-PF2A183G	.018	7.0	12.0	4.0	.48	.38	.33
140-PF2A203G	.02	7.5	12.0	4.0	.50	.40	.35
140-PF2A223G	.022	7.5	12.0	4.0	.50	.40	.35
140-PF2A273G	.027	7.5	12.0	4.0	.50	.40	.35
140-PF2A303G	.03	7.5	12.0	4.0	.61	.49	.42
140-PF2A333G	.033	8.0	12.0	5.0	.61	.49	.42
140-PF2A393G	.039	8.0	13.0	5.0	.63	.49	.43
140-PF2A473G	.047	8.5	13.0	5.0	.68	.54	.47
140-PF2A503G	.05	8.5	13.0	5.0	.68	.54	.47
140-PF2A563G	.056	9.0	13.0	5.0	.68	.54	.47
140-PF2A683G	.068	9.5	13.0	5.0	.80	.64	.56
140-PF2A823G	.082	10.0	13.0	6.0	.93	.73	.63
140-PF2A104G	.1	11	14.0	6.0	.93	.81	.70

2A-100 VDC ±5% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions: mm			Price Each		
		W	H	T	1	100	500
140-PF2A102J	.001	6.0	10.5	3.0	.12	.07	.061
140-PF2A122J	.0012	6.0	10.5	3.0	.12	.07	.061
140-PF2A152J	.0015	6.0	10.5	3.0	.12	.07	.061
140-PF2A182J	.0018	6.0	10.5	3.0	.12	.07	.061
140-PF2A202J	.002	6.0	10.5	3.0	.12	.07	.061
140-PF2A222J	.0022	6.0	10.5	3.0	.12	.07	.061
140-PF2A272J	.0027	6.0	10.5	3.0	.12	.07	.061
140-PF2A302J	.003	6.0	10.5	3.0	.12	.07	.061
140-PF2A332J	.0033	6.0	10.5	3.0	.12	.07	.061
140-PF2A392J	.0039	6.0	10.5	3.0	.12	.07	.061
140-PF2A472J	.0047	6.0	10.5	3.0	.12	.07	.061
140-PF2A502J	.005	6.0	10.5	3.0	.12	.07	.061
140-PF2A562J	.0056	6.0	10.5	3.0	.12	.07	.061
140-PF2A682J	.0068	6.0	10.5	3.5	.12	.07	.061
140-PF2A822J	.0082	6.5	10.5	3.5	.12	.07	.061
140-PF2A103J	.01	6.5	12	3.5	.14	.08	.063
140-PF2A123J	.012	6.5	12	3.5	.14	.08	.063
140-PF2A153J	.015	7.0	12	3.5	.14	.08	.063
140-PF2A183J	.018	7.0	12	4.0	.14	.08	.063
140-PF2A203J	.02	7.0	12	4.0	.19	.10	.088
140-PF2A223J	.022	7.5	12	4.0	.19	.10	.088
140-PF2A273J	.027	7.5	12	4.0	.19	.10	.088
140-PF2A303J	.03	7.5	12	4.0	.20	.12	.092
140-PF2A333J	.033	8.0	12	5.0	.20	.12	.092
140-PF2A393J	.039	8.0	13	5.0	.20	.12	.092
140-PF2A473J	.047	8.5	13	5.0	.21	.13	.099
140-PF2A503J	.05	8.5	13	5.0	.21	.13	.099
140-PF2A563J	.056	9.0	13	5.0	.21	.13	.099
140-PF2A683J	.068	9.5	13	5.0	.22	.14	.11
140-PF2A823J	.082	10	13	6.0	.22	.14	.13
140-PF2A104J	.1	11	14	6.0	.22	.16	.14
140-PF2A124J	.12	11	14	6.5	.22	.16	.14
140-PF2A154J	.15	12	17	7.0	.27	.18	.17
140-PF2A184J	.18	12.5	17	7.0	.29	.20	.18
140-PF2A224J	.22	13	17	7.5	.34	.25	.22
140-PF2A274J	.27	14.5	18	8.0	.37	.26	.22
140-PF2A334J	.33	14.5	21	8.5	.42	.28	.25
140-PF2A394J	.39	15	21	9.0	.47	.32	.29
140-PF2A474J	.47	16	22	9.0	.59	.42	.37

2A-100 VDC ±10% For quantities of 1000 and up, call for quote.

140-PF2A102K	.001	6.0	10.5	3.0	.10	.06	.049
140-PF2A122K	.0012	6.0	10.5	3.0	.10	.06	.049
140-PF2A152K	.0015	6.0	10.5	3.0	.10	.06	.049
140-PF2A182K	.0018	6.0	10.5	3.0	.10	.06	.049
140-PF2A202K	.002	6.0	10.5	3.0	.10	.06	.049
140-PF2A222K	.0022	6.0	10.5	3.0	.10	.06	.049
140-PF2A272K	.0027	6.0	10.5	3.0	.10	.06	.049
140-PF2A302K	.003	6.0	10.5	3.0	.10	.06	.049
140-PF2A392K	.0039	6.0	10.5	3.0	.10	.06	.049
140-PF2A472K	.0047	6.0	10.5	3.0	.11	.06	.051
140-PF2A502K	.005	6.0	10.5	3.0	.11	.06	.051
140-PF2A562K	.0056	6.0	10.5	3.0	.10	.06	.049
140-PF2A682K	.0068	6.0	10.5	3.5	.10	.06	.049
140-PF2A822K	.0082	6.5	10.5	3.5	.10	.06	.049
140-PF2A103K	.01	6.5	12.0	3.5	.12	.07	.054
140-PF2A123K	.012	6.5	12.0	3.5	.12	.07	.061
140-PF2A153K	.015	7.0	12.0	3.5	.14	.07	.061
140-PF2A183K	.018	.70	12.0	4.0	.13	.07	.061
140-PF2A203K	.02	7.0	12.0	4.0	.14	.08	.066
140-PF2A223K	.022	7.5	12.0	4.0	.14	.08	.066
140-PF2A273K	.027	7.5	12.0	4.0	.14	.08	.066
140-PF2A303K	.03	7.5	12.0	4.0	.16	.09	.07
140-PF2A333K	.033	8.0	12.0	5.0	.16	.09	.07
140-PF2A393K	.039	8.0	13.0	5.0	.16	.09	.07
140-PF2A473K	.047	8.5	13.0	5.0	.17	.10	.08
140-PF2A563K	.056	9.0	13.0	5.0	.17	.10	.08
140-PF2A683K	.068	9.5	13.0	5.0	.20	.11	.087
140-PF2A104K	.1	11	14.0	6.0	.21	.14	.09
140-PF2A124K	.12	11	14.0	6.5	.21	.14	.09
140-PF2A154K	.15	12	17.0	7.0	.26	.16	.13
140-PF2A184K	.18	12.5	17.0	7.0	.28	.17	.13
140-PF2A204K	.20	12.5	17.0	7.0	.32	.18	.14
140-PF2A224K	.22	13	17.0	7.5	.32	.20	.15
140-PF2A274K	.27	14.5	18.0	8.0	.35	.19	.15
140-PF2A334K	.33	14.5	21.0	8.5	.39	.25	.22
140-PF2A394K	.39	15	21.0	9.0	.44	.30	.24
140-PF2A474K	.47	16	22.0	9.0	.73	.35	.32
140-PF2A504K	.5	16	22.0	9.0	.73	.35	.32
140-PF2A684K	.68	16.5	23.0	11.5	.73	.35	.32

2D-200 VDC ±10% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions: mm			Price Each		
		W	H	T	1	100	500
140-PF2D102K	.001	6.0	12	3.5	.17	.078	.06
140-PF2D222K	.0022	6.0	12	3.5	.17	.078	.06
140-PF2D472K	.0047	6.5	12	3.5	.17	.078	.06
140-PF2D103K	.01	8.5	13	4.5	.17	.086	.07
140-PF2D153K	.015	9	13	6	.17	.086	.07
140-PF2D223K	.022	10	13.5	6	.19	.089	.071
140-PF2D473K	.047	14	15.5	7	.21	.089	.082
140-PF2D503K	.05	14	15.5	7	.24	.12	.11
140-PF2D104K	.1	17	20	9	.32	.19	.15
140-PF2D154K	.15	18	21	9.5	.37	.23	.17
140-PF2D224K	.22	19	21	11	.51	.32	.23

2G-400 VDC ±10% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions: mm			Price Each		
		W	H	T	1	100	500
140-PF2G102K	.001	6.0	12	3.5	.17	.10	.08
140-PF2G222K	.0022	6.0	12	3.5	.17	.10	.08
140-PF2G472K	.0047	7	13	4	.18	.10	.08
140-PF2G103K	.01	9	13	5	.18	.11	.09
140-PF2G203K	.02	12	13.5	7	.21	.11	.09
140-PF2G223K	.022	12	13.5	7	.21	.11	.09
140-PF2G503K	.05	16	18	9	.35	.17	.15
140-PF2G104K	.1	18	20	10	.42	.27	.21

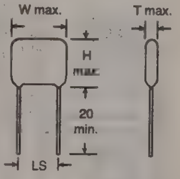
SUB-MINIATURE

XICON™ Passive Components

Specifications:

- Temp. stability: +5% to -2% capacitance change @+85°C
  0% to -5% capacitance change @-40°C
- Dissipation factor: 1% max. (1kHz)

Value (μF)	LS (mm) ±1
.001-.033	3.5
.047-.1	5.0
.22	7.5
.47	6.4



DIMENSIONS: mm

Part Number Guide Chart:

140	PM	2A	102	K
Prefix	Series	VDC	Value	Tol.

2A-100 VDC ±10% For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions: mm			Price Each		
		W	H	T	1	100	500
140-PM2A102K	.001	5.5	7.5	3.0	.12	.07	.055
140-PM2A202K	.002	5.5	7.5	3.0	.12	.07	.055
140-PM2A222K	.0022	5.5	7.5	3.0	.12	.07	.055
140-PM2A332K	.0033	6.0	7.5	3.0	.12	.07	.055
140-PM2A472K	.0047	6.0	7.5	3.0	.12	.07	.055
140-PM2A502K	.005	6.0	7.5	3.0	.12	.07	.055
140-PM2A103K	.01	6.0	7.5	3.0	.13	.08	.066
140-PM2A203K	.02	6.5	9.0	3.5	.14	.09	.073
140-PM2A223K	.022	6.5	9.0	3.5	.14	.09	.073
140-PM2A333K	.033	6.5	9.0	4.0	.15	.10	.078
140-PM2A473K	.047	7.5	9.5	4.0	.17	.11	.092
140-PM2A503K	.05	7.5	9.5	4.5	.20	.12	.10
140-PM2A104K	.1	8.5	11.5	6.0	.26	.16	.13
140-PM2A224K	.22	11.5	13	7.0	.36	.22	.19
140-PM2A474K	.47	13	15.5	8.0	.63	.39	.35

XICON Non-Inductive & Metallized Polyester Film Capacitors

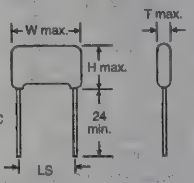
METALLIZED

Features:

- Non-inductive construction
- Self-healing characteristics
- High stability
- Efficient capacitance to volume packaging
- Protective conformal epoxy coating

Specifications:

- Operating temperature: -40°C to +85°C with no voltage derating
- Dissipation factor: 1% max. @ 1kHz, 20°C
- Dielectric strength: 150% of working voltage for 1 minute



DIMENSIONS: mm

250VDC ± 10% Tolerance

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm				Price Each		
		W	H	T	LS	1	100	500
146-250V.01K	.01	12.5	9.0	5.0	10	.26	.21	.18
146-250V.012K	.012	12.5	9.0	5.0	10	.26	.21	.18
146-250V.015K	.015	12.5	9.0	5.0	10	.26	.21	.18
146-250V.022K	.022	12.5	9.0	5.0	10	.26	.21	.18
146-250V.027K	.027	12.5	9.0	5.0	10	.26	.21	.18
146-250V.033K	.033	12.5	9.0	5.0	10	.26	.21	.18
146-250V.039K	.039	12.5	9.0	5.0	10	.26	.21	.18
146-250V.047K	.047	12.5	9.0	5.0	10	.26	.21	.18
146-250V.056K	.056	12.5	9.0	5.0	10	.26	.21	.18
146-250V.068K	.068	12.6	9.0	5.0	10	.26	.21	.18
146-250V.082K	.082	12.5	9.0	5.0	10	.26	.21	.18
146-250V.1K	.1	12.5	9.0	5.0	10	.27	.21	.19
146-250V.12K	.12	12.5	9.5	5.5	10	.29	.24	.21
146-250V.15K	.15	12.5	10	6.0	10	.31	.25	.22
146-250V.18K	.18	18	10	5.5	15	.34	.27	.24
146-250V.22K	.22	18	11	6.0	15	.36	.29	.25
146-250V.27K	.27	18	12	6.5	15	.39	.31	.28
146-250V.33K	.33	18	13	7.0	15	.41	.33	.28
146-250V.39K	.39	18	14	7.5	15	.44	.35	.31
146-250V.47K	.47	22	11	5.0	20	.47	.37	.33
146-250V.56K	.56	23	13	7.0	20	.51	.41	.35
146-250V.68K	.68	23	14	7.5	20	.53	.42	.37
146-250V.82K	.82	23	15	8.0	20	.56	.45	.40
146-250V1.0K	1.0	23	16	9.0	20	.64	.57	.51
146-250V1.2K	1.2	23	17	10	20	.76	.72	.65
146-250V1.5K	1.5	31	17	9.0	27	.86	.82	.76
146-250V1.8K	1.8	31	18	9.5	27	.98	.94	.87
146-250V2.2K	2.2	31	19	10	27	1.09	1.04	.91
146-250V2.7K	2.7	31	20.5	11.5	27	1.35	1.30	1.22
146-250V3.3K	3.3	31	22	13.5	27	1.62	1.59	1.52
146-250V3.9K	3.9	31	23	15	27	1.91	1.88	1.80
146-250V4.7K	4.7	31	24	16	27	2.06	2.01	1.88

400VDC ±10% Tolerance

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm				Price Each		
		W	H	T	LS	1	100	500
146-400V.01K	.01	12.5	9.0	5.0	10	.35	.30	.24
146-400V.015K	.015	12.5	9.0	5.0	10	.36	.30	.25
146-400V.022K	.022	12.5	9.0	5.0	10	.37	.31	.25
146-400V.033K	.033	12.5	9.5	5.5	10	.38	.32	.27
146-400V.047K	.047	12.5	11	6.5	10	.39	.33	.27
146-400V.068K	.068	18	10	5.5	15	.44	.37	.30
146-400V.1K	.1	18	11	6.0	15	.49	.41	.34
146-400V.15K	.15	18	13	7.0	15	.53	.44	.35
146-400V.22K	.22	18	15	8.5	15	.61	.51	.41
146-400V.33K	.33	23	16	9.0	20	.73	.61	.49
146-400V.47K	.47	23	18	11	20	.97	.81	.65
146-400V2.2K	2.2	31	27	18	27	2.80	2.33	1.83

630VDC ±10% Tolerance

For quantities 500 and up, call for quote.

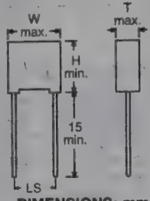
MOUSER STOCK NO.	Value (µF)	Dimensions: mm				Price Each		
		W	H	T	LS	1	100	500
146-630V.01K	.01	12.5	9.5	5.5	10	.37	.31	.25
146-630V.015K	.015	12.5	10	5.5	10	.39	.33	.27
146-630V.022K	.022	12.5	11	6.0	10	.42	.36	.29
146-630V.033K	.033	18	11	6.0	15	.44	.38	.31
146-630V.047K	.047	18	12	6.5	15	.47	.40	.32
146-630V.068K	.068	18	13	7.0	15	.57	.49	.40
146-630V.1K	.1	23	13	7.0	20	.67	.56	.46
146-630V.15K	.15	23	15	8.5	20	.78	.66	.54
146-630V.22K	.22	23	16.5	8.5	20	1.00	.84	.69
146-630V.33K	.33	31	18.5	9.5	27	1.18	1.00	.82
146-630V.47K	.47	31	21	12	27	1.56	1.32	1.08
146-630V1.0K	1.0	31	27	18	27	2.63	2.25	1.89

METALLIZED BOX

These Xicon box case capacitors feature non-inductive windings, tin plated copper leads, and epoxy seals for reliable electrical and mechanical performance. They are well suited to telecommunications, industrial circuits, and data processing equipment where filtering, coupling, decoupling, or timing is required.

Specifications:

- Operating temperature: -40°C to +85°C
- Dissipation factor: 1% max. @ 1kHz, 25°C
- Insulation resistance: (IR): C≤.33µF IR>30GΩ C>.33µF IR>10GΩ
- Yellow, flame retardant plastic box



DIMENSIONS: mm

100VDC ±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm				Price Each		
		W	H	T	LS	1	100	500
1430-1683	.068	10.5	9	4	7.5	.25	.21	.19
1430-1104	.1	13	11	5	10	.25	.21	.19
1430-1154	.15	13	11	5	10	.26	.25	.23
1430-1224	.22	13	12	6	10	.28	.23	.21
1430-1334	.33	13	12	6	10	.33	.26	.24
1430-1474	.47	18	12	6	15	.47	.34	.30
1430-1684	.68	18	12	6	15	.56	.41	.37
1430-1105	1.0	18	13.5	7.5	15	.69	.53	.48
1430-1225	2.2	26.5	17.5	8.5	22.5	1.23	.92	.86
1430-1475	4.7	32	20	11	27.5	1.83	1.52	1.38

250VDC ±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm				Price Each		
		W	H	T	LS	1	100	500
1430-2473	.047	13	9	4	10	.23	.20	.18
1430-2104	.1	13	11	5	10	.26	.21	.19
1430-2224	.22	18	12	6	15	.36	.27	.25
1430-2105	1.0	26.5	17	8.5	22.5	.82	.66	.58

400VDC ±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm				Price Each		
		W	H	T	LS	1	100	500
1430-4223	.022	13	11	5	10	.22	.19	.18
1430-4473	.047	13	12	6	10	.29	.23	.22
1430-4683	.068	18	11	5	15	.29	.25	.23
1430-4104	.1	18	12	6	15	.40	.28	.26
1430-4224	.22	26.5	15	6	22.5	.59	.48	.44

630VDC ±10% Tolerance

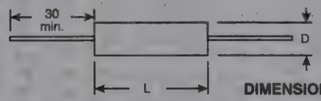
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm				Price Each		
		W	H	T	LS	1	100	500
1430-6103	.01	13	11	5	10	.25	.22	.20
1430-6223	.022	13	12	6	10	.25	.23	.22
1430-6333	.033	13	13	7	10	.28	.25	.24
1430-6473	.047	18	12	6	15	.46	.31	.28
1430-6104	.1	18	14.5	8.5	15	.45	.41	.37

METALLIZED-ROUND

Specifications:

- Operating temp: -40°C to +85°C
- Test voltage: 750V
- Non-inductive and self healing



DIMENSIONS: mm

250VDC ± 10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm		Price Each		
		D	L	1	100	500
23ME310	.01	5.5	14	.49	.39	.34
23ME322	.022	5.5	14	.49	.39	.34
23ME347	.047	5.5	14	.49	.39	.34
23ME368	.068	5.5	14	.49	.39	.34
23ME410	.1	6.0	14	.50	.42	.38
23ME415	.15	6.5	14	.50	.42	.38
23ME422	.22	7.0	19	.54	.46	.41
23ME433	.33	8.0	19	.54	.46	.41
23ME447	.47	9.0	19	.57	.48	.43
23ME468	.68	9.0	25	.64	.54	.48
23ME510	1.0	10.5	25	.73	.62	.55
23ME520	2.0	14	32	1.18	1.00	.89
23ME522	2.2	14	32	1.18	1.00	.89

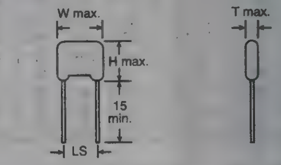
NON-INDUCTIVE-POLYESTER FILM

Features:

- High stability and reliability
- Excellent environmental performance
- Low ESR
- Non-inductive construction minimizes dissipation factor

Specifications:

- Operating temperature: -40°C to +85°C
- Capacitance range: .001 to .47µF
- Rated voltage: 100VDC, 200VDC
- Dissipation factor: 0.8% max @ 1kHz, 25°C
- Insulation resistance: >20,000MΩ (C≤.1µF), >2,000MΩ-µF (C> .1µF)



DIMENSIONS: mm

100VDC±10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm				Price Each		
		W	H	T	LS	1	100	500
1432-1103	.01	10.5	9.5	6.0	7	.25	.17	.15
1432-1223	.022	10.5	9.5	6.0	7	.26	.17	.16
1432-1333	.033	13.5	10	6.0	10	.27	.18	.16
1432-1473	.047	13.5	11.5	7.5	10	.28	.19	.17
1432-1563	.056	13.5	11.5	7.5	10	.31	.21	.19
1432-1104	.1	14	13	8.0	10	.37	.25	.23
1432-1224	.22	20	15	8.5	15	.44	.29	.27
1432-1474	.47	20	21.5	13	15	.56	.38	.34

200VDC±10% Tolerance

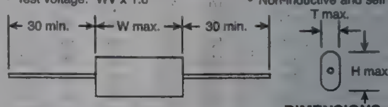
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions (mm)				Price Each		
		W	H	T	LS	1	100	500
1432-2102	.001	10.5	9.5	5.0	7	.24	.16	.15
1432-2222	.0022	10.5	9.5	5.5	7	.24	.16	.15
1432-2332	.0033	10.5	9.5	5.5	7	.24	.16	.15
1432-2472	.0047	10.5	9.5	5.5	7	.25	.17	.15
1432-2562	.0056	10.5	9.5	5.5	7	.26	.17	.16

METALLIZED-OVAL

Specifications:

- Operating temp.: -40°C to +85°C
- Test voltage: WV x 1.6
- Test voltage: WV x 1.6
- Insulation resistance: 10GΩ
- Non-inductive and self healing



DIMENSIONS: mm

250VDC ± 10% Tolerance

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm			Price Each		
		W	H	T	1	100	500
23MA410	.1	14	8.5	4.5	.55	.43	.39
23MA415	.15	14	9.0	5.0	.56	.47	.43
23MA422	.22	14	10	6.0	.57	.48	.44
23MA433	.33	19	12	6.5	.57	.48	.44
23MA447	.47	19	13	7.0	.67	.57	.52
23MA468	.68	25	12.5	6.5	.79	.67	.61
23MA510	1.0	25	14	7.5	.79	.67	.61
23MA515	1.5	32	16	8.5	1.27	1.07	.98
23MA522	2.2	32	18	9.5	1.31	1.19	1.07

400VDC ± 10% Tolerance

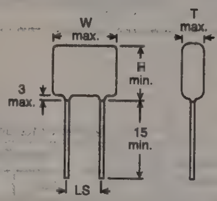
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Value (µF)	Dimensions: mm			Price Each		
		W	H	T	1	100	500
23MA347	.047	14	12	4.5	.53	.41	.37
23MA368	.068	19	9.0	5.0	.53	.41	.37

XICON Polypropylene & Polystyrene Film Capacitors

85°C POLYPROPYLENE CAPACITORS

Constructed with polypropylene film dielectric in a non-inductive form. They feature low dissipation factor, high insulation resistance, fire retardant coating, and welded leads.



DIMENSIONS: mm

Specifications:

- Operating temperature: -40°C to +85°C
- Test voltage: WVDC x 2.0
- Insulation resistance: 30GΩ

±10% Tolerance

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Volt (DC)	Value (μF)	Dimensions: mm				Price Each			
			W	H	T	LS	1	100	500	1000
1431-6102K	630	.001	14	8.5	6	10	.33	.21	.19	.17
1431-6152K	630	.0015	14	9	6.5	10	.33	.21	.19	.17
1431-6222K	630	.0022	14	10	6.5	10	.33	.21	.19	.18
1431-4332K	400	.0033	14	9.5	6.0	10	.29	.20	.17	.16
1431-4472K	400	.0047	14	9.5	6.0	10	.30	.20	.18	.17
1431-4682K	400	.0068	14	10	6.5	10	.33	.22	.20	.18
1431-4103K	400	.01	14	11.5	7.5	10	.35	.23	.21	.19
1431-2153K	250	.015	14	10	6.5	10	.34	.23	.20	.19
1431-2223K	250	.022	14	12	7	10	.36	.24	.22	.20
1431-2333K	250	.033	19	11.5	6.5	15	.41	.27	.25	.23
1431-2473K	250	.047	19	12.5	7	15	.45	.30	.28	.25
1431-2563K	250	.056	19	13	8.0	15	.47	.31	.28	.26
1431-2104K	250	.1	19	16	9.5	15	.53	.36	.32	.29
1431-2154K	250	.15	26	17.5	10	21	.60	.40	.36	.33
1431-2224K	250	.22	26	21	12.5	22	.62	.41	.38	.34
1431-2334K	250	.33	32	22.5	13	27.5	.82	.61	.55	.50

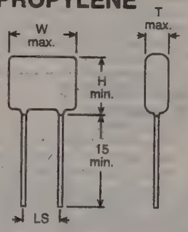
±5% Tolerance

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Volt (DC)	Value (μF)	Dimensions: mm				Price Each			
			W	H	T	LS	1	100	500	1000
1431-4103J	400	.01	14	11.5	7.5	10	.39	.26	.23	.21
1431-2104J	250	.1	19	16	9.5	15	.59	.39	.36	.32
1431-2474J	250	.47	32	26	15.5	27.5	.85	.77	.70	.63

85°C METALLIZED POLYPROPYLENE CAPACITORS

These Xicon MPP Series capacitors feature non-inductive windings, copper clad steel leads, and environmentally resistive epoxy coatings for excellent electrical and mechanical performance. The non-inductive, polypropylene capacitor is especially suitable to telecommunication, industrial circuits, and data processing equipment where filtering, coupling, stable tuning, timing, or temperature compensation is required.



DIMENSIONS: mm

Specifications:

- Operating temperature: -55°C to +85°C
- Capacitance tolerance: ±10%
- Dissipation factor: 0.1% max. @ 1kHz, 25°C
- Insulation resistance: C ≤ .33μF, IR > 30GΩ
  C > .33μF, IR > 10GΩ

100 WVDC

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (μF)	Dimensions: mm				Price Each			
		W	H	T	LS	1	50	100	500
1429-1104	.1	13	11	7	10	.44	.29	.27	.24
1429-1474	.47	18.5	15.5	10	15	.70	.47	.43	.39

250 WVDC

For quantities of 2000 and up, call for quote.

1429-2223	.022	13	10	6	10	.39	.26	.24	.22
1429-2333	.033	13	10	6	10	.43	.29	.26	.24
1429-2473	.047	13	10.5	6	10	.46	.31	.28	.25
1429-2104	.1	13	12	7	10	.56	.37	.34	.31
1429-2224	.22	18.5	13	7	15	.59	.39	.36	.33
1429-2334	.33	18.5	14.5	8	15	.86	.62	.56	.51
1429-2474	.47	18.5	15.5	10	15	.92	.71	.65	.58
1429-2105	1	23	18.5	11	20	1.17	.90	.82	.74
1429-2225	2.2	32	21.5	13.5	27.5	1.67	1.39	1.26	1.15
1429-2475	4.7	37	27	18	27.5	3.49	2.91	2.65	2.41

400 WVDC

For quantities of 2000 and up, call for quote.

1429-4103	.01	13	10	6.5	10	.37	.25	.22	.20
1429-4473	.047	13	11	7.5	10	.48	.32	.29	.26
1429-4104	.1	18.5	13.5	8.0	15	.63	.42	.38	.34

630 WVDC

For quantities of 2000 and up, call for quote.

1429-6103	.01	13	11	6.5	10	.46	.30	.27	.25
1429-6223	.022	13	12.5	8	10	.53	.35	.32	.29
1429-6473	.047	18.5	14	8.5	15	.63	.42	.38	.34
1429-6104	.1	23	17	10	20	.73	.48	.44	.40
1429-6224	.22	32	19	12	27.5	.97	.75	.68	.62
1429-6474	.47	32	24.5	15	27.5	1.43	1.19	1.08	.99

85°C AXIAL 5% POLYSTYRENE CAPACITORS

Comprised of polystyrene dielectric material fused to foil, these capacitors are highly resistant to humidity and provide excellent capacitance stability.

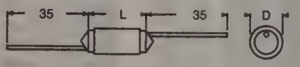
Specifications:

- ±5% tolerance
- Dissipation factor (@ 100kHz):
  DF < 0.1% C ≥ 330pF
  Q > 1000 C < 330pF
- Operating temperature: -40°C to +85°C
- Temperature coefficient: N150 ±ppm/°C
- Insulation resistance (@25°C): 100GΩ min.
- 50 WVDC

Features:

- Excellent electrical characteristics
- High reliability and stability
- Low temperature coefficients
- Small dissipation factor

DIMENSIONS: mm



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	1000
23PS110	100	5.5 x 12	.24	.12	.11	.10
23PS112	120	5.5 x 12	.24	.12	.11	.10
23PS115	150	5.5 x 12	.24	.12	.11	.10
23PS118	180	5.5 x 12	.24	.12	.11	.10
23PS122	220	5.5 x 12	.24	.12	.11	.10
23PS127	270	5.5 x 12	.24	.12	.11	.10
23PS133	330	5.5 x 12	.22	.11	.10	.09
23PS139	390	5.5 x 12	.22	.11	.10	.09
23PS147	470	5.5 x 12	.22	.11	.10	.09
23PS156	560	5.5 x 12	.22	.11	.10	.09
23PS168	680	5.5 x 12	.22	.11	.10	.09
23PS182	820	6.0 x 12	.22	.11	.10	.09
23PS210	1000	6.0 x 12	.22	.11	.10	.09

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	1000
23PS212	1200	6.0 x 12	.24	.12	.11	.10
23PS215	1500	6.0 x 12	.24	.12	.11	.10
23PS218	1800	6.0 x 12	.24	.12	.11	.10
23PS220	2000	6.5 x 12	.24	.12	.11	.10
23PS222	2200	6.5 x 12	.24	.12	.11	.10
23PS227	2700	7.0 x 12	.25	.12	.11	.10
23PS233	3300	7.0 x 12	.26	.13	.12	.11
23PS239	3900	7.5 x 12	.26	.13	.12	.11
23PS247	4700	8.0 x 12	.28	.14	.13	.12
23PS250	5000	8.0 x 12	.30	.15	.14	.12
23PS268	6800	9.0 x 12	.32	.16	.14	.13
23PS282	8200	9.5 x 12	.34	.17	.16	.14
23PS310	.01μF	10 x 12	.38	.19	.17	.16

85°C RADIAL 5% POLYSTYRENE CAPACITORS

Comprised of polystyrene dielectric material fused to foil, these capacitors are highly resistant to humidity and provide excellent capacitance stability.

Features:

- Excellent electrical characteristics
- High reliability and stability
- Low temperature coefficients
- Small dissipation factor

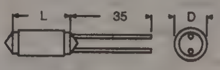
Specifications:

- ±5% tolerance
- Dissipation factor (@ 100kHz):
  DF < 0.1% C ≥ 330pF
  Q > 1000 C < 330pF
- Operating temp.: -40°C to +85°C
- Temp. coefficient: N150 ±ppm/°C
- Insulation resist. (@25°C): 100GΩ min.
- 50 WVDC

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Value (pF)	D x L (mm)	Price Each			
			1	100	500	1000
23PW156	560	5.5 x 12	.22	.11	.10	.09
23PW210	1000	6.0 x 12	.22	.11	.10	.09
23PW220	2000	6.0 x 12	.24	.12	.11	.10
23PW222	2200	6.5 x 12	.24	.12	.11	.10
23PW233	3300	7.0 x 12	.26	.13	.12	.11
23PW247	4700	8.0 x 12	.28	.14	.13	.12
23PW250	5000	8.0 x 12	.30	.15	.14	.12
23PW268	6800	9.0 x 12	.32	.16	.14	.13
23PW310	.01μF	10 x 12	.38	.19	.17	.16

DIMENSIONS (mm)

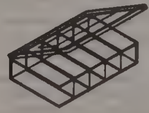


5% POLYSTYRENE CAPACITOR KITS

- Design Kits for Engineers
- Reorder individual parts as needed using part # key in box lid.
- Positive closing box lid.

Features:

- 50 WVDC
- Axial leads
- 10 ea. of 12 values ea. kit ±5%



MOUSER STOCK NO.	Pieces Per Kit	Description	Price Each
370-PS-1	120	**10 ea.:** 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820 pF	24.95
370-PS-2	120	**10 ea.:** 1000, 1200, 1500, 1800, 2000, 2200, 2700, 3300, 3900, 5000, 6800, 10,000pF	24.95

CORNELL DUBILIER Multilayer Clad SMD RF Capacitors

Types MCM and MIN SMD clad multilayer RF capacitors are top performers for high power applications requiring low inductance at high frequencies and can operate at temperatures up to 200°C and voltages to 1000VDC.
Thermal Spreading, robust natural materials and a CTE compatible with FR4 make these capacitors an excellent choice to replace more expensive porcelain capacitors.

Common Features:
- 200°C rated with no voltage derating
- Low ESR for RF power applications
- Wave solderable
- CTE ≈ 18
- No cracking / delaminating
- Nonmagnetic for minimal RF loss
- Very low ESL for excellent by-pass action
- Available on T&R
- Ultra stable - no change with (t), (V) and (f)
- Exact capacitance values ±0.5pF up to 1000VDC

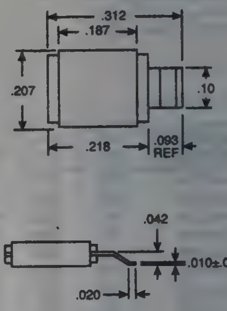
MIN SERIES

Specifications:
- Voltage Rating: 300VDC
- Temperature Range: -55°C to +200°C with no voltage derating
- Dielectric Strength: 200% of rated voltage for 5 seconds
- Insulation Resistance: 1000MΩ - µF Need not exceed 100,000MΩ at 25°C
- Typical Thickness: .065 - .125 (±.015)
- Wave solderable
- Typical ESR <10mΩ @ 100 MHz (100pF)

RoHS Compliant

For quantities of 100 and up, call for quote.

DIMENSIONS: In.



MOUSER STOCK NO.	CDE Part No.	VDC	Capacitance (pF)	Tolerance (±)	Dielectric Material	Price Each			
						1	10	25	50
5981-MIN02-3.3D-F	MIN02-002C3R3D-F	300	3.3	0.5 pF	Teflon	2.12	1.77	1.57	1.30
5981-MIN02-4.7D-F	MIN02-002C4R7D-F	300	4.7	0.5 pF	Teflon	1.96	1.62	1.47	1.21
5981-MIN02-6.8D-F	MIN02-002C6R8D-F	300	6.8	0.5 pF	Teflon	2.01	1.67	1.48	1.22
5981-MIN02-10J-F	MIN02-002CC100J-F	300	10	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-12J-F	MIN02-002CC120J-F	300	12	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-15J-F	MIN02-002CC150J-F	300	15	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-17J-F	MIN02-002CC170J-F	300	17	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-18J-F	MIN02-002CC180J-F	300	18	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-20J-F	MIN02-002CC200J-F	300	20	5%	Mica	1.87	1.56	1.39	1.14
5981-MIN02-22J-F	MIN02-002DC220J-F	300	22	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-24J-F	MIN02-002DC240J-F	300	24	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-25J-F	MIN02-002DC250J-F	300	25	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-27J-F	MIN02-002DC270J-F	300	27	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-30J-F	MIN02-002DC300J-F	300	30	5%	Mica	1.92	1.59	1.44	1.18
5981-MIN02-32J-F	MIN02-002DC320J-F	300	32	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-33J-F	MIN02-002DC330J-F	300	33	5%	Mica	1.87	1.56	1.39	1.14
5981-MIN02-35J-F	MIN02-002DC350J-F	300	35	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-36J-F	MIN02-002DC360J-F	300	36	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-39J-F	MIN02-002DC390J-F	300	39	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-43J-F	MIN02-002DC430J-F	300	43	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-47J-F	MIN02-002DC470J-F	300	47	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-50J-F	MIN02-002DC500J-F	300	50	5%	Mica	1.96	1.63	1.45	1.19
5981-MIN02-68J-F	MIN02-002EC680J-F	300	68	5%	Mica	2.69	2.22	2.02	1.65
5981-MIN02-70J-F	MIN02-002EC700J-F	300	70	5%	Mica	2.75	2.29	2.04	1.68
5981-MIN02-82J-F	MIN02-002EC820J-F	300	82	5%	Mica	2.75	2.29	2.04	1.68
5981-MIN02-91J-F	MIN02-002EC910J-F	300	91	5%	Mica	2.75	2.29	2.04	1.68
5981-MIN02-100J-F	MIN02-002EC101J-F	300	100	5%	Mica	2.75	2.29	2.04	1.68
5981-MIN02-150J-F	MIN02-002EC151J-F	300	150	5%	Mica	3.27	2.73	2.42	2.00
5981-MIN02-270J-F	MIN02-002EC271J-F	300	270	5%	Mica	5.02	4.19	3.72	3.07
5981-MIN02-350J-F	MIN02-002EC351J-F	300	350	5%	Mica	5.02	4.19	3.72	3.07

Engineering Design Kit

MOUSER STOCK NO.	Description	Voltage	Value (pF)	Price Each	
				1	10
5981-MIN300VKIT1	5 each of 13 values	300	3.3-150	42.10	38.13

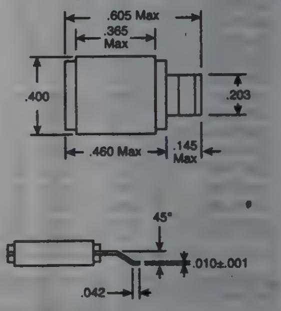
MCM SERIES

Specifications:
- Voltage Rating: 300 - 1000VDC
- Temperature Range: -55°C to +200°C with no voltage derating
- Dielectric Strength: 200% of rated voltage for 5 seconds
- Insulation Resistance: 1000MΩ - µF Need not exceed 100,000MΩ at 25°C
- Typical Thickness: .095 - .125 (±.015)
- Wave solderable
- Typical I_{RMS} >20 Amps @ 100 MHz

RoHS Compliant

For quantities of 100 and up, call for quote.

DIMENSIONS: In.



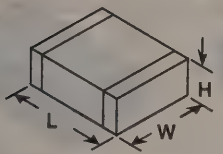
MOUSER STOCK NO.	CDE Part No.	VDC	Capacitance (pF)	Tolerance (±)	Dielectric Material	Price Each			
						1	10	25	50
5981-MCM01-1500J-F	MCM01-009EC152J-F	300	1500	5%	Mica	7.37	6.16	5.46	4.51
5981-MCM01-3.3D-F	MCM01-009D3R3D-F	500	3.3	0.5 pF	Teflon	3.29	2.74	2.43	2.01
5981-MCM01-4.7D-F	MCM01-009D4R7D-F	500	4.7	0.5 pF	Teflon	3.29	2.74	2.43	2.01
5981-MCM01-10J-F	MCM01-009CD100J-F	500	10	5%	Mica	2.32	1.94	1.72	1.42
5981-MCM01-15J-F	MCM01-009CD150J-F	500	15	5%	Mica	2.32	1.94	1.72	1.42
5981-MCM01-22J-F	MCM01-009DD220J-F	500	22	5%	Mica	2.39	1.98	1.80	1.47
5981-MCM01-47J-F	MCM01-009DD470J-F	500	47	5%	Mica	2.27	1.89	1.68	1.39
5981-MCM01-100J-F	MCM01-009ED101J-F	500	100	5%	Mica	2.27	1.89	1.68	1.39
5981-MCM01-150J-F	MCM01-009ED151J-F	500	150	5%	Mica	2.27	1.89	1.68	1.39
5981-MCM01-220J-F	MCM01-009ED221J-F	500	220	5%	Mica	2.27	1.89	1.68	1.39
5981-MCM01-330J-F	MCM01-009ED331J-F	500	330	5%	Mica	4.00	3.34	2.97	2.45
5981-MCM01-470J-F	MCM01-009ED471J-F	500	470	5%	Mica	3.74	3.12	2.77	2.29
5981-MCM01-560J-F	MCM01-009ED561J-F	500	560	5%	Mica	4.29	3.59	3.18	2.63
5981-MCM01-750J-F	MCM01-009ED751J-F	500	750	5%	Mica	4.29	3.59	3.18	2.63
5981-MCM01-1000J-F	MCM01-009ED102J-F	500	1000	5%	Mica	5.94	4.96	4.40	3.64
5981-MCM01-1200J-F	MCM01-009ED122J-F	500	1200	5%	Mica	6.46	5.40	4.79	3.95
5981-MCM01-F3.3D-F	MCM01-009F3R3D-F	1000	3.3	0.5 pF	Teflon	4.87	4.07	3.61	2.98
5981-MCM01-F4.7D-F	MCM01-009F4R7D-F	1000	4.7	0.5 pF	Teflon	4.87	4.07	3.61	2.98
5981-MCM01-F6.8D-F	MCM01-009F6R8D-F	1000	6.8	0.5 pF	Teflon	4.87	4.07	3.61	2.98
5981-MCM01-CF10J-F	MCM01-009CF100J-F	1000	10	5%	Mica	3.35	2.80	2.48	2.05
5981-MCM01-CF15J-F	MCM01-009CF150J-F	1000	15	5%	Mica	3.35	2.80	2.48	2.05
5981-MCM01-DF22J-F	MCM01-009DF220J-F	1000	22	5%	Mica	2.69	2.25	2.00	1.65
5981-MCM01-DF47J-F	MCM01-009DF470J-F	1000	47	5%	Mica	3.86	3.22	2.86	2.36
5981-MCM01-EF100J-F	MCM01-009EF101J-F	1000	100	5%	Mica	4.13	3.45	3.06	2.53
5981-MCM01-EF150J-F	MCM01-009EF151J-F	1000	150	5%	Mica	3.86	3.22	2.86	2.36
5981-MCM01-EF220J-F	MCM01-009EF221J-F	1000	220	5%	Mica	3.86	3.22	2.86	2.36
5981-MCM01-EF330J-F	MCM01-009EF331J-F	1000	330	5%	Mica	4.73	3.95	3.51	2.89
5981-MCM01-EF470J-F	MCM01-009EF471J-F	1000	470	5%	Mica	4.73	3.95	3.51	2.89

Engineering Design Kit

MOUSER STOCK NO.	Description	Voltage	Value (pF)	Price Each	
				1	10
598-MCM500VKIT2	5 each of 10 values	500	10-1000	56.06	50.78
598-MCM1000VKIT3	5 each of 7 values	1000	100-750	62.54	56.65

CORNELL DUBILIER Multilayer SMD & Radial Capacitors

MC SERIES HIGH POWER HV RF CHIP CAPACITORS



Specifications:

- Temperature range: -55°C to +125°C
- Insulation resistance: 100GΩ min.
- Pulse handling: dV/dt of 20,000 v/μs
- Tight tolerances available
- Wave solderable
- Typical I_{RMS} > 8 Amps @ 100 mHz

Features:

- Low impedance to beyond 1GHz
- Near-zero capacitance change in all environments
- Withstands 200% rated voltage for up to 5 seconds
- Applications: CATV, flight radio, precision timing, RF and microwave, resonators, and stripline termination
- No cracking / delaminating

RoHS Compliant

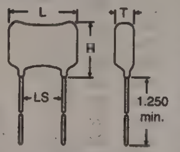
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	CDE Type MC	Volt (DC)	Value (pF)	Tol. ±	Temp. Coeff. ppm/°C	Case Size (in.)			Price Each		
						L	W	H	1	100	500
598-MC08CA020D-F	MC08CA020D-F	100	2	.5pF	.079	.049	.055	1.02	.85	.82	.72
598-MC08CA030D-F	MC08CA030D-F	100	3	.5pF	.079	.049	.055	1.02	.85	.82	.72
5982-08-100V5.0-F	MC08CA050D-F	100	5	.5pF	.079	.049	.055	1.02	.85	.82	.72
5982-08-100V10-F	MC08CA100D-F	100	10	.5pF	.079	.049	.055	1.02	.85	.82	.72
5982-08-100V15-F	MC08EA150J-F	100	15	5%	.079	.049	.055	1.02	.85	.82	.72
5982-08-100V22-F	MC08EA220J-F	100	22	5%	.079	.049	.055	1.02	.85	.82	.72
5982-08-100V27-F	MC08EA270J-F	100	27	5%	.079	.049	.055	1.02	.85	.82	.72
5982-12-100V100-F	MC12FA101J-F	100	100	5%	.126	.098	.079	1.27	1.06	1.04	.89
598-MC12FA151J-F	MC12FA151J-F	100	150	5%	.126	.098	.079	1.31	1.09	1.07	.92
5982-12-100V220-F	MC12FA221J-F	100	220	5%	.126	.098	.079	1.40	1.17	1.15	.98
598-MC12FA241J-F	MC12FA241J-F	100	240	5%	.126	.098	.079	1.40	1.17	1.15	.98
5982-12-500V5.0-F	MC12CD050D-F	500	5	.5pF	.126	.098	.079	1.27	1.06	1.04	.89
5982-12-500V10-F	MC12CD100D-F	500	10	.5pF	.126	.098	.079	1.27	1.06	1.04	.89
5982-12-500V15-F	MC12ED150J-F	500	15	5%	.126	.098	.079	1.31	1.09	1.07	.92
598-MC12FD330J-F	MC12FD330J-F	500	33	5%	.126	.098	.079	1.31	1.09	1.07	.92
5982-12-500V47-F	MC12FD470J-F	500	47	5%	.126	.098	.079	1.31	1.09	1.07	.92
5982-12-500V100-F	MC12FD101J-F	500	100	5%	.126	.098	.079	1.59	1.35	1.27	1.13
5982-18-500V100-F	MC18FD101J-F	500	100	5%	.177	.126	.079	1.59	1.35	1.27	1.13
598-MC18FD121J-F	MC18FD121J-F	500	120	5%	.177	.126	.079	1.59	1.35	1.27	1.13
5982-18-500V220-F	MC18FD221J-F	500	220	5%	.177	.126	.079	1.77	1.50	1.42	1.26
598-MC18FD301J-F	MC18FD301J-F	500	300	5%	.177	.126	.079	1.98	1.65	1.56	1.37
5982-18-500V330-F	MC18FD331J-F	500	330	5%	.177	.126	.079	1.98	1.65	1.56	1.37
598-MC18FD391J-F	MC18FD391J-F	500	390	5%	.177	.126	.079	2.20	1.83	1.74	1.52
598-MC22FA102J-F	MC22FA102J-F	100	1000	5%	.224	.197	.079	3.00	2.49	2.40	2.10
5982-22-100V2K-F	MC22FA202J-F	100	2000	5%	.224	.197	.079	3.91	3.32	3.20	2.75
598-MC22FD501J-F	MC22FD501J-F	500	500	5%	.224	.197	.079	2.80	2.32	2.24	1.95
598-MC22FD751J-F	MC22FD751J-F	500	750	5%	.224	.197	.079	3.07	2.55	2.45	2.14
5982-22-500V1000-F	MC22FD102J-F	500	1000	5%	.224	.197	.079	3.38	2.87	2.76	2.38
5982-22-1000V470-F	MC22FF471J-F	1000	470	5%	.224	.197	.157	3.04	2.53	2.48	2.13
5982-22-1000V1000-F	MC22FF102J-F	1000	1000	5%	.224	.197	.157	4.08	3.47	3.34	2.87
5982-22-1000V1500-F	MC22FF152J-F	1000	1500	5%	.224	.197	.157	4.93	4.18	4.03	3.46

RADIAL LEAD MICA HV RF CAPACITORS

Exclusive CDE dipping process to impart high moisture and humidity resistance. Conforms to EIA specifications.

- Tolerance: D=.5pF, J=5%
- Temperature range: -55°C to +125°C
- Voltage range: 100, 300, 500, and 1000WVDC
- Vibration test: 10-2000Hz
- Pulse handling: dV/dt of 20,000 v/μs



DIMENSIONS: in.

RoHS Compliant

Lead Spacing: in.							
CD5	CD10	CD15	CD19	CD30	CDV16	CDV19	CDV30
.120	.141	.234	.344	.438	.234	.344	.438

Dipped Mica Dielectric Capacitors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE Type	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
Manufacturer's Type CD5									
598-CD5CC010DO3F	CD5CC010DO3F	300	1	.270	.190	.110	1.65	1.39	.89
598-CD5CC030DO3F	CD5CC030DO3F	300	3	.270	.190	.110	1.65	1.39	.89
598-CD5CC050DO3F	CD5CC050DO3F	300	5	.270	.190	.110	1.65	1.39	.89
598-CD5CC100DO3F	CD5CC100DO3F	300	10	.270	.190	.110	1.18	1.00	.64
598-CD5CC100JO3F	CD5CC100JO3F	300	10	.270	.190	.110	1.18	1.00	.64
5982-5-300V15-F	CD5CC150JO3F	300	15	.270	.190	.110	.89	.71	.57
598-CD5EC200JO3F	CD5EC200JO3F	300	20	.270	.200	.120	1.24	1.05	.67
598-CD5EC220JO3F	CD5EC220JO3F	300	22	.270	.200	.120	1.30	1.10	.70
598-CD5EC300JO3F	CD5EC300JO3F	300	30	.270	.200	.130	1.39	1.18	.75
598-CD5EC330JO3F	CD5EC330JO3F	300	33	.270	.200	.130	1.45	1.22	.78
598-CD5EC470JO3F	CD5EC470JO3F	300	47	.270	.210	.140	1.62	1.37	.87
598-CD5FC101JO3F	CD5FC101JO3F	300	100	.270	.240	.180	2.39	2.02	1.29
Manufacturer's Type CD10									
598-CD10CD050DO3F	CD10CD050DO3F	500	5	.360	.330	.190	1.24	1.00	.82
598-CD10CD100DO3F	CD10CD100DO3F	500	10	.360	.330	.190	1.51	1.28	.82
598-CD10CD100JO3F	CD10CD100JO3F	500	10	.360	.330	.190	1.24	1.00	.82
598-CD10CD120JO3F	CD10CD120JO3F	500	12	.360	.330	.190	1.51	1.28	.82
598-CD10CD150JO3F	CD10CD150JO3F	500	15	.360	.330	.190	1.24	1.00	.82
598-CD10CD180JO3F	CD10CD180JO3F	500	18	.360	.330	.190	1.51	1.28	.82
598-CD10ED200JO3F	CD10ED200JO3F	500	20	.360	.330	.190	.94	.76	.61
598-CD10ED220JO3F	CD10ED220JO3F	500	22	.360	.330	.190	1.13	.96	.61
598-CD10ED240JO3F	CD10ED240JO3F	500	24	.360	.330	.190	1.13	.96	.61
598-CD10ED270JO3F	CD10ED270JO3F	500	27	.370	.330	.190	.94	.76	.61
598-CD10ED300JO3F	CD10ED300JO3F	500	30	.370	.340	.190	.94	.76	.61
598-CD10ED330JO3F	CD10ED330JO3F	500	33	.370	.340	.190	.94	.76	.61
598-CD10ED390JO3F	CD10ED390JO3F	500	39	.370	.340	.190	1.29	1.09	.70
598-CD10ED470JO3F	CD10ED470JO3F	500	47	.370	.340	.190	1.11	.89	.72
598-CD10ED560JO3F	CD10ED560JO3F	500	56	.370	.340	.190	1.11	.89	.72
598-CD10FD101JO3F	CD10FD101JO3F	500	100	.370	.350	.200	1.15	.92	.76
598-CD10FD151JO3F	CD10FD151JO3F	500	150	.380	.360	.210	1.19	.95	.77
598-CD10FD221JO3F	CD10FD221JO3F	500	220	.390	.380	.220	1.63	1.31	1.06
Manufacturer's Type CD15									
598-CD15CD050DO3F	CD15CD050DO3F	500	5	.450	.360	.170	.80	.68	.43
598-CD15CD100JO3F	CD15CD100JO3F	500	10	.450	.360	.170	.80	.68	.43
598-CD15CD100DO3F	CD15CD100DO3F	500	10	.450	.360	.170	.80	.68	.43
598-CD15CD150JO3F	CD15CD150JO3F	500	15	.450	.360	.170	.61	.49	.41
5982-15-500V20F	CD15ED200JO3F	500	20	.450	.360	.170	.77	.65	.41
598-CD15ED220JO3F	CD15ED220JO3F	500	22	.450	.360	.170	.64	.51	.43
598-CD15ED270JO3F	CD15ED270JO3F	500	27	.450	.360	.170	.64	.51	.43
598-CD15ED300JO3F	CD15ED300JO3F	500	30	.450	.360	.170	.64	.51	.43
598-CD15ED330JO3F	CD15ED330JO3F	500	33	.450	.360	.170	.64	.51	.43
598-CD15ED390JO3F	CD15ED390JO3F	500	39	.450	.360	.170	.64	.51	.43
598-CD15ED470JO3F	CD15ED470JO3F	500	47	.450	.360	.170	.62	.50	.43
598-CD15ED500JO3F	CD15ED500JO3F	500	50	.450	.360	.170	.79	.67	.43
598-CD15ED560JO3F	CD15ED560JO3F	500	56	.450	.360	.170	.62	.50	.43
598-CD15ED680JO3F	CD15ED680JO3F	500	68	.450	.360	.180	.65	.52	.44
5982-15-500V82-F	CD15ED820JO3F	500	82	.450	.360	.180	.59	.48	.38
598-CD15FD101JO3F	CD15FD101JO3F	500	100	.460	.360	.180	.65	.52	.44
598-CD15FD121JO3F	CD15FD121JO3F	500	120	.460	.370	.180	.71	.57	.48

Dipped Mica Dielectric Capacitors (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	CDE Type	Volt (DC)	Value (pF)	Dimensions: in. Max.			Price Each		
				L	H	T	1	25	100
Manufacturer's Type CD15 (cont)									
598-CD15FD151JO3F	CD15FD151JO3F	500	150	.460	.370	.190	.75	.60	.51
598-CD15FD181JO3F	CD15FD181JO3F	500	180	.460	.370	.190	.86	.69	.58
598-CD15FD201JO3F	CD15FD201JO3F	500	200	.460	.380	.190	1.07	.91	.58
598-CD15FD221JO3F	CD15FD221JO3F	500	220	.460	.380	.200	.89	.71	.61
598-CD15FD241JO3F	CD15FD241JO3F	500	240	.460	.380	.200	.95	.76	.65
598-CD15FD251JO3F	CD15FD251JO3F	500	250	.470	.390	.210	.95	.76	.65
598-CD15FD271JO3F	CD15FD271JO3F	500	270	.470	.390	.210	1.04	.83	.70
5982-15-500V300-F	CD15FD301JO3F	500	300	.470	.390	.210	1.45	1.15	.90
598-CD15FD331JO3F	CD15FD331JO3F	500	330	.470	.390	.210	1.21	.97	.82
598-CD15FD361JO3F	CD15FD361JO3F	500	360	.470	.390	.210	1.31	1.06	.90
598-CD15FD391JO3F	CD15FD391JO3F	500	390	.470	.390	.210	1.31	1.06	.90
598-CD15FD471JO3F	CD15FD471JO3F	500	470	.470	.400	.220	1.52	1.23	1.04
598-CD15FD501JO3F	CD15FD501JO3F	500	500	.470	.400	.220	1.57	1.26	1.06
598-CD15FD511JO3F	CD15FD511JO3F	500	510	.470	.400	.220	1.63	1.31	1.10
598-CD15FC561JO3F	CD15FC561JO3F	300	560	.460	.380	.210	2.04	1.73	1.10
598-CD15FC681JO3F	CD15FC681JO3F	300	680	.470	.390	.210	1.96	1.57	1.34
598-CD15FC821JO3F	CD15FC821JO3F	300	820	.470	.390	.210	2.26	1.82	1.53
598-CD15FA102JO3F	CD15FA102JO3F	100	1000	.480	.400	.230	2.13	1.71	1.45
Manufacturer's Type CD19									
598-CD19FD271JO3F	CD19FD271JO3F	500	270	.640	.500	.190	1.62	1.37	.87
598-CD19FD331JO3F	CD19FD331JO3F	500	330	.640	.500	.190	1.67	1.41	.90
598-CD19FD391JO3F	CD19FD391JO3F	500	390	.640	.510	.200	1.73	1.46	.93
598-CD19FD471JO3F	CD19FD471JO3F	500	470	.640	.510	.200	1.76	1.48	.95
598-CD19FD501JO3F	CD19FD501JO3F	500	500	.640	.510	.200	1.76	1.48	.95
598-CD19FD511JO3F	CD19FD511JO3F	500	510	.650	.510	.200	1.76	1.48	.95
598-CD19FD561JO3F	CD19FD561JO3F	500	560	.650	.510	.200	1.76	1.48	.95
598-CD19FD681JO3F	CD19FD681JO3F	500	680	.650	.510	.200	2.07	1.75	1.11
598-CD19FD821JO3F	CD19FD821JO3F	500	820	.650	.510	.210	2.05	1.73	1.10
598-CD19FD911JO3F	CD19FD911JO3F	500	910	.650	.510	.200	2.14	1.81	1.16
598-CD19FD102JO3F	CD19FD102JO3F	500	1000	.650	.520	.220	2.19	1.85	1.18
598-CD19FD122JO3F	CD19FD122JO3F	500	1200	.660	.520	.220	2.47	2.09	1.33
598-CD19FD152JO3F	CD19FD152JO3F	500	1500	.660	.520	.230	2.83	2.40	1.53
598-CD19FD202JO3F	CD19FD202JO3F	500	2000	.670	.530	.240	3.60	3.05	1.94
598-CD19FD222JO3F	CD19FD222JO3F	500	2200	.670	.530	.250	3.62	3.06	1.95
598-CD19FD272JO3F	CD19FD272JO3F	500	2700	.680	.540	.270	3.92	3.31	2.11
598-CD19FD302JO3F	CD19FD302JO3F	500	3000	.680	.550	.280	4.28	3.62	2.31
598-CD19FD332JO3F	CD19FD332JO3F	500	3300	.680	.550	.290	4.53	3.83	2.44
5982-19-500V3900-F	CD19FD392JO3F	500	3900	.690	.560	.310	3.93	3.14	2.51
598-CD19FD472JO3F	CD19FD472JO3F	500	4700	.700	.580	.350	4.82	3.87	3.25

High Voltage Dipped Mica "Snubbers" & RF Applications

For quantities of 500 and up, call for quote.

Manufacturer's Type CDV16 Series									
598-CDV16FF431JO3F	FCDV16FF431JO3F	1000	4300	.450	.500	.170	2.68	2.26	1.44
598-CDV16FF821JO3F	FCDV16FF821JO3F	1000	820	.460	.500	.170	3.05	2.58	1.64
598-CDV16FF102JO3F	FCDV16FF102JO3F	1000	10000	.460	.500	.170	3.05	2.58	1.64
598-CDV16FF302JO3F	FCDV16FF302JO3F	1000	3000	.470	.520	.250	8.81	7.45	4.75
Manufacturer's Type CDV19 Series									
598-CDV19FF331JO3F	FCDV19FF331JO3F	1000	330	.650	.510	.200	2.79	2.35	1.50
598-CDV19FF471JO3F	FCDV19FF471JO3F	1000	470	.650	.510	.200	3.28	2.77	1.77
598-CDV19FF681JO3F	FCDV19FF681JO3F	1000	680	.660	.520	.220	3.61	3.06	1.95
598-CDV19FF102JO3F	FCDV19FF102JO3F	1000	1000	.670	.530	.250	4.03	3.41	2.17
598-CDV19FF152JO3F	FCDV19FF152JO3F	1000	1500	.680	.540	.270	4.18	3.54	2.26
598-CDV19FF222JO3F	FCDV19FF222JO3F	1000	2200	.690	.560	.310	7.43	6.29	4.01

VISHAY SMD Silicon-Based Capacitors

RoHS Compliant This page of product is compliant.

VISHAY HPC0402A, HPC0603A SERIES HIGH FREQUENCY INTERGRATED SILICON CAPACITORS

High Performance, High Precision

In the last decade or two, semiconductor production has been greatly refined in materials, processes, producibility, cost reduction, repeatability, reliability, and simplicity. In contrast, there have been few significant innovative advances in passive components. So the search for a significant advance in a high Q, high frequency capacitor centered on the semiconductor processes instead of the traditional capacitor processes. The resultant product yields a true RF capacitor with a ten-fold increase in capacitance density based on simple, low cost, high reliability semiconductor processes, and on materials economically available throughout the world.

Features:

- New technology surface mount capacitor based on a special semi-conductor process
- Construction reduces the parasitic inductance and brings the SRF values to ultra-high frequencies
- Capacitance is extremely stable in a wide range of frequencies from 1MHz to several GHz
- High Q and low ESR
- Tight tolerance to ± 1% or 0.05pF
- Ultra high SRF
- Low parasitic inductance
- Capacitance range: 0.1pF to 180pF

Electrical Specifications:

- Operating Temperature: -55°C to + 125°C
- Temperature Coefficient of Capacitance (TCC): 0 ± 30ppm/°C
- Insulation Resistance: 10 (11)Ω min
- Voltage: 2.5 x rated voltage for 5 seconds
- Ageing: none

Environmental Specifications:

- Life Test: 1000 hours, + 125°C @ 2 x rated voltage
- Thermal Shock: 5 Cycles, -55°C/+ 125°C
- Moisture Resistance: 240 hours, 85% RH, + 85°C

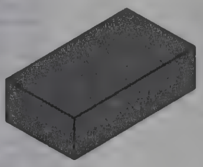
Applications:

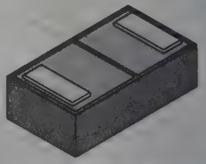
- Wireless communications
- Mobile phones
- Cordless phones
- GPS
- VCO
- Filter Networks
- Matching Networks
- Smart cards

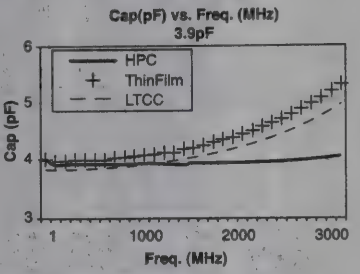
Main Advantages of the HPC0402 Integrated Silicon Capacitor:

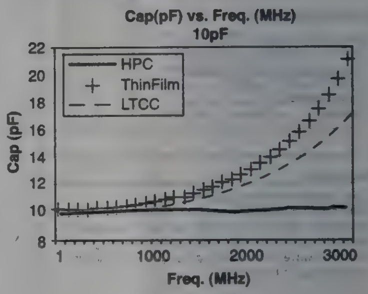
- Capacitance stability per frequency
- 10 fold capacitance for the same size
- 10 fold capacitance density
- Low profile
- Ultra high SRF
- Low parasitic inductance
- High Q
- Low ESR
- Tight tolerance
- No tombstone effect
- Eliminates board assembly problems
- Use directly on existing pads
- Reduce board size 25-45%
- Cost effective

RoHS Compliant





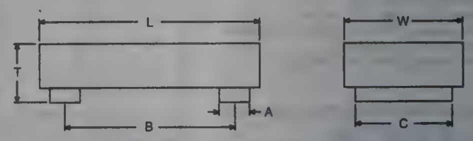




For quantities of 10,000 and up, please call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Capacitance Value (pF)	Volt	Tol. ±	Price Each 1	100	500	1000	2000	5000
75—	HPC0402A0R6BXXT5	0.6	25	0.10pF	.37	.28	.23	.20	.18	.16
75—	HPC0402A0R7BXXT5	0.7	25	0.10pF	.37	.28	.23	.20	.18	.16
75—	HPC0402A0R8BXXT5	0.8	25	0.10pF	.37	.28	.23	.20	.18	.16
75—	HPC0402A0R9BXXT5	0.9	25	0.10pF	.37	.28	.23	.20	.18	.16
75—	HPC0402A1R0BXXT5	1	25	0.10pF	.37	.28	.23	.20	.18	.16
75—	HPC0402A1R2BXXT5	1.2	25	0.10pF	.52	.39	.32	.28	.25	.23
75—	HPC0402A1R5BXXT5	1.5	25	0.10pF	.52	.39	.32	.28	.25	.23
75—	HPC0402A1R8BXXT5	1.8	25	0.10pF	.52	.39	.32	.28	.25	.23
75—	HPC0402A2R2BXXT5	2.2	25	0.10pF	.52	.39	.32	.28	.25	.23
75—	HPC0402A2R7BXXT5	2.7	25	0.10pF	.52	.39	.32	.28	.25	.23
75—	HPC0402A3R9BXXT5	3.9	25	0.10pF	.52	.39	.32	.28	.25	.23
75—	HPC0402A4R7BXXT5	4.7	25	0.10pF	.52	.39	.32	.28	.25	.23
75—	HPC0402A6R2BXXT5	6.2	25	0.10pF	.74	.56	.46	.40	.29	.25
75—	HPC0402A6R8BXXT5	6.8	25	0.10pF	.74	.56	.46	.40	.29	.25
75—	HPC0402A8R2BXXT5	8.2	25	0.10pF	.74	.56	.46	.40	.29	.25
75—	HPC0402A100FXXT5	10	25	1%	.74	.56	.46	.40	.29	.25
75—	HPC0402A120FXXT5	12	25	1%	.74	.56	.46	.40	.29	.25
75—	HPC0402A150FXYT5	15	16	1%	.74	.56	.46	.40	.29	.25
75—	HPC0402A180FXYT5	18	16	1%	.74	.56	.46	.40	.29	.25
75—	HPC0402A220FXZT5	22	10	1%	.74	.56	.46	.40	.29	.25
75—	HPC0402A270FXZT5	27	10	1%	.74	.56	.46	.40	.29	.25
75—	HPC0402A330FXZT5	33	10	1%	.74	.56	.46	.40	.29	.25
75—	HPC0402A390FXZT5	39	10	1%	.74	.56	.46	.40	.29	.25
75—	HPC0603A0R8AXMT1	0.8	50	0.05pF	.88	.79	.71	.36	.30	.26
75—	HPC0603A1R0AXMT1	1	50	0.05pF	.88	.79	.71	.36	.30	.26
75—	HPC0603A1R1AXMT1	1.1	50	0.05pF	.88	.79	.71	.36	.30	.26
75—	HPC0603A1R2BXMT1	1.2	50	0.1pF	.63	.57	.50	.26	.21	.19
75—	HPC0603A1R5BXMT1	1.5	50	0.1pF	.63	.57	.50	.38	.35	.31
75—	HPC0603A1R8AXMT1	1.8	50	0.05pF	.88	.79	.71	.36	.30	.26
75—	HPC0603A2R0BXMT1	2	50	0.1pF	.63	.57	.50	.26	.21	.19
75—	HPC0603A2R2BXMT1	2.2	50	0.1pF	.63	.57	.50	.26	.21	.19
75—	HPC0603A2R4BXMT1	2.4	50	0.1pF	.63	.57	.50	.26	.21	.19
75—	HPC0603A2R7BXMT1	2.7	50	0.1pF	.63	.57	.50	.26	.21	.19
75—	HPC0603A3R0BXMT1	3	50	0.1pF	.63	.57	.50	.26	.21	.19
75—	HPC0603A3R3AXMT1	3.3	50	0.05pF	2.88	2.63	2.42	1.28	1.05	.93
75—	HPC0603A3R9BXMT1	3.9	50	0.1pF	2.88	2.63	2.42	1.28	1.05	.93
75—	HPC0603A4R7BXMT1	4.7	50	0.1pF	.88	.79	.71	.36	.30	.26
75—	HPC0603A5R6BXMT1	5.6	50	0.1pF	.88	.79	.71	.36	.30	.26
75—	HPC0603A6R8BXMT1	6.8	50	0.1pF	.88	.79	.71	.36	.30	.26
75—	HPC0603A8R2BXMT1	8.2	50	0.1pF	.88	.79	.71	.36	.30	.26
75—	HPC0603A100FXMT1	10	50	1%	2.02	1.85	1.70	.90	.74	.65
75—	HPC0603A120FXMT1	12	50	1%	.88	.79	.71	.36	.30	.26
75—	HPC0603A150FXMT1	15	50	1%	.88	.79	.71	.36	.30	.26
75—	HPC0603A180FXMT1	18	50	1%	.88	.79	.71	.36	.30	.26
75—	HPC0603A220FXMT1	22	50	1%	2.88	2.63	2.42	1.28	1.05	.93
75—	HPC0603A470FXXT1	47	25	1%	2.88	2.63	2.42	1.28	1.05	.93
75—	HPC0603A101GXYT1	100	16	2%	2.02	1.85	1.70	.90	.74	.65

DIMENSIONS



Case Code	DIMENSION	INCHES	MILLIMETERS
0402	L	0.04 ± 0.004	1.02 ± 0.1
	W	0.02 ± 0.004	0.51 ± 0.1
	T	0.016 ± 0.004	0.4 ± 0.1
	A	0.006 ± 0.002	0.15 ± 0.05
	B	0.028 ± 0.002	0.71 ± 0.05
	C	0.014 ± 0.002	0.36 ± 0.05
0603	L	0.063 ± 0.002	1.60 ± 0.1
	W	0.031 ± 0.002	0.80 ± 0.1
	T	0.022 ± 0.002	0.56 ± 0.1
	A	0.008 ± 0.002	0.20 ± 0.05
	B	0.049 ± 0.002	1.24 ± 0.05
	C	0.025 ± 0.002	0.64 ± 0.05

Process Yields and Capacitance Density vs. Technology, offered by leading manufacturers of precision RF capacitors

	HPC	LTCC	ThinFilm
Technology	Semiconductor	MLCC (LTCC)	Thin Film
Process stability w/o trimming w/o sorting	±2%	± 15%	± 9%
Max Capacitance values	Up to 200pF	Up to 15pF	Up to 22pF
Capacitance density	0.27pF/mil2	0.02pF/mil2	0.03pF/mil2

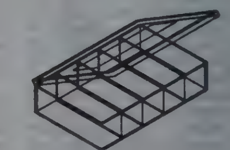
Comparison by Technology, Key Features of RF Capacitors

	HPC	LTCC	ThinFilm
Capacitance Tolerance	Very Good	Good	Good
Capacitance stability vs. frequency	Very Good	Good	Good
Capacitance variation (batch to batch)	Very Good	Low	Good
High capacitance capability	High	Poor	Poor
Resistance	Good	Very Good	Very Good
Q	Good	Good	Good

VISHAY SMD SILICON-BASED CAPACITOR KITS

- Kit 01 Contains 20 pieces each of 16 values from 1.2pF-22pF.
- Kit 02 Contains 20 pieces each of 32 values from 0.6pF-180pF.

RoHS Compliant



MOUSER STOCK NO. Mfr.	Mfr. Part No.	Range of Values Per Kit (pF)	Price Each 1	2
75—	HPC0402AKIT01	1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18, 22	130.00	122.00
75—	HPC0402AKIT02	0.6, 0.7, 0.8, 0.9, 1.0, 1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180	260.00	245.00

AVX Niobium Oxide Capacitors and Supercapacitors

AVX NIOBIUM OXIDE CAPACITORS

Cost versus performance is a key requirement for consumer electronic products. A new solid electrolyte capacitor OxiCap has been developed by AVX in standard EIA case sizes in order to meet this requirement as a higher performance alternative to aluminum and other SMD capacitor technologies currently on the market. The OxiCap non-burn technology is based on NbO niobium oxide ceramic material as the anodic material processed through the same manufacturing process as tantalum capacitors. Electrical parameters are similar to generic standard and low ESR tantalum. The laser coded orange molded body gives total traceability.

Specifications:

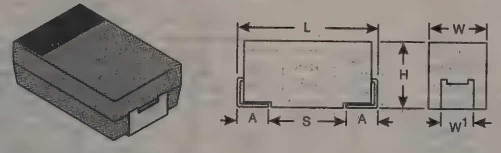
- Operating temperature range: NOJ series -55°C to +105°C derated
  NOS series -55°C to +125°C derated
- Reliability: NOJ series 0.5% per 1000 hours at 85°C
  NOS series 0.2% per 1000 hours at 85°C
- Capacitance range: 10 ~ 680µF
- Capacitance tolerance: 20%
- Leakage current DCL: 0.02CV

LEAD-FREE

RoHS Compliant

Lead-Free Compatible
Component

DIMENSIONS: mm (in.)



Code	EIA Code	L	W	H	W1	A	S Min.
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.8 (0.031)	1.1 (0.043)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343-31	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
E	7343-43	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)

AVX OxiCap™ NOJ Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Case Size	DCL (µA) Max.	DF % (µA) Max.	ESR (Ω) @ 100 kHz	Price Each			Tape and Reel	
							1	50	100	Qty per Reel	Price Each
4 Vdc @ 85°C (2.7 Vdc @ 105°C)											
581-NOJA156M004	NOJA156M004RWJ	15	A	1.2	6	2.0	.39	.29	.27	2000	.24
581-NOJB226M004	NOJB226M004RWJ	22	B	1.8	6	1.9	.47	.45	.39	2000	.31
581-NOJB336M004	NOJB336M004RWJ	33	B	2.6	6	1.7	.57	.43	.39	2000	.36
581-NOJB476M004	NOJB476M004RWJ	47	B	3.8	6	1.6	.57	.43	.39	2000	.36
581-NOJC476M004	NOJC476M004RWJ	47	C	3.8	6	0.5	.77	.58	.53	500	.48
581-NOJC686M004	NOJC686M004RWJ	68	C	5.4	6	0.5	.77	.58	.53	500	.48
581-NOJC107M004	NOJC107M004RWJ	100	C	8.0	6	0.4	.75	.65	.57	500	.27
581-NOJC157M004	NOJC157M004RWJ	150	C	12.0	6	0.4	1.40	1.05	.96	500	.88
581-NOJD227M004	NOJD227M004RWJ	220	D	17.6	8	0.4	1.48	1.30	1.11	500	1.02
581-NOJD337M004	NOJD337M004RWJ	330	D	26.4	8	0.3	5.04	3.78	3.47	500	3.15
581-NOJE477M004	NOJE477M004RWJ	470	E	37.6	12	0.3	5.58	4.18	3.83	400	2.44
6.3 Vdc @ 85°C (4.2 Vdc @ 105°C)											
581-NOJA106M006	NOJA106M006RWJ	10	A	1.2	6	2.2	.35	.26	.24	2000	.22
581-NOJB156M006	NOJB156M006RWJ	15	B	1.8	6	2.0	.47	.43	.39	2000	.36
581-NOJB226M006	NOJB226M006RWJ	22	B	2.6	6	1.9	.42	.32	.29	2000	.26
581-NOJB336M006	NOJB336M006RWJ	33	B	4.0	6	1.7	.42	.32	.29	2000	.26
581-NOJC336M006	NOJC336M006RWJ	33	C	4.0	6	0.5	.77	.58	.53	500	.48
581-NOJC476M006	NOJC476M006RWJ	47	C	5.7	6	0.5	.77	.58	.53	500	.48
581-NOJC686M006	NOJC686M006RWJ	68	C	8.2	6	0.5	.96	.72	.66	500	.60
581-NOJD107M006	NOJD107M006RWJ	100	D	12.0	6	0.4	1.05	.91	.86	500	.77
581-NOJD157M006	NOJD157M006RWJ	150	D	18.0	6	0.4	1.25	1.08	.95	500	.45
581-NOJE227M006	NOJE227M006RWJ	220	E	26.4	12	0.4	2.89	2.17	1.99	400	1.81
581-NOJE337M006	NOJE337M006RWJ	330	E	39.6	12	0.3	3.93	3.41	3.24	400	2.97

AVX OxiCap™ NOS Low ESR Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Value (µF)	Case Size	DCL (µA) Max.	DF % (µA) Max.	ESR (mΩ) @ 100 kHz	Price Each			Tape and Reel	
							1	50	100	Qty per Reel	Price Each
4 Vdc @ 85°C (2.7 Vdc @ 105°C)											
581-NOSC107M004	NOSC107M004R0150	100	C	8.0	6	150	1.77	1.33	1.22	500	1.11
581-NOSC157M004	NOSC157M004R0150	150	C	12.0	6	150	1.88	1.41	1.29	500	1.18
581-NOSD227M004	NOSD227M004R0100	220	D	17.6	8	100	2.88	2.16	1.98	500	1.80
581-NOSD337M004	NOSD337M004R0100	330	D	26.4	8	100	2.16	1.98	1.80	500	1.70
581-NOSE477M004	NOSE477M004R0100	470	E	37.6	12	100	4.82	4.34	3.86	400	3.37
6.3 Vdc @ 85°C (4.2 Vdc @ 105°C)											
581-NOSD107M006	NOSD107M006R0100	100	D	12.6	6	100	2.68	2.01	1.84	500	1.68

AVX BESTCAP SUPERCAPACITORS

The BestCap™ series of electrochemical supercapacitors offer excellent high power pulse characteristics based upon the combination of very high capacitance and ultra low ESR in the milliohm region. Supercapacitors have rapidly become recognized as an excellent compromise between "electronic" capacitors such as ceramic, tantalum, film and aluminum electrolytic, and batteries, but also a technology for providing a unique combination of characteristics, particularly very high energy, power and capacitance densities.

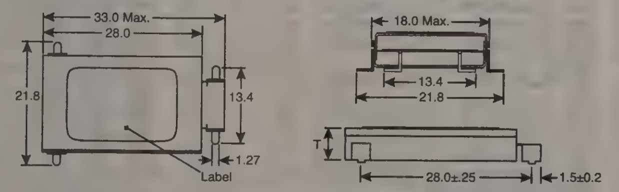
Features:

- High specific capacitance
- Very low ESR
- Low profile
- Non polar
- Low leakage
- High power pulse capability

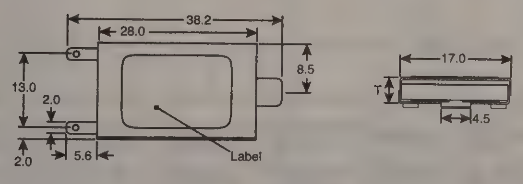
Applications:

- Memory back up
- Laser systems
- Wireless alarm systems
- GSM/GPRS wireless communication products
- ADSL/xDSL and other communication equipment
- Hybrid battery packs

DIMENSIONS: mm



BZ015 Series



BZ01C Series

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Rating (Vdc)	Value (mF)	ESR (mΩ) @ 1kHz	DCL (µA) Max.	Case Size	Thickness "T" Max.	Price Each			
								1	5	10	25
581-BZ015A503ZLB	BZ015A503ZLB	5.5	50	160	5	28x17	3.5 mm	21.50	17.20	15.05	12.90
581-BZ015A603ZLB	BZ015A603ZLB	5.5	60	80	10	28x17	4.8 mm	27.50	22.00	19.25	16.50
581-BZ015A104ZLB	BZ015A104ZLB	5.5	100	80	10	28x17	6.1 mm	27.50	22.00	19.25	16.50
581-BZ01CA223ZSB	BZ01CA223ZSB	12	22	350	5	28x17	6.5 mm	37.50	30.00	26.25	22.50

AVX Tantalum Chip Capacitors

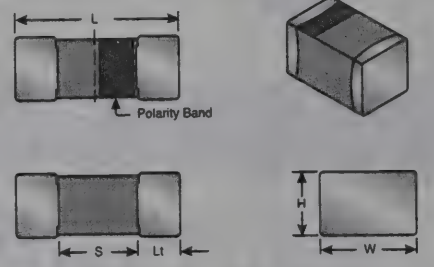
A KYOCERA GROUP COMPANY

AVX TACMICROCHIP™ MINIATURE, LOW ESR

The world's smallest surface mount Tantalum capacitor, small enough to create space providing room for ideas to grow. TACmicrochip is a major breakthrough in miniatunzation without reduction in performance. It offers you the highest energy store in an 0402, 0603, or 0805 case size; enhanced high frequency operation through unique ESR performance with temperature and voltage stability. 125°C derate voltage 33%

RoHS Compliant

DIMENSIONS: mm (in.)



XTA-Std. termination (Nickel & Tin) supplied on plastic embossed tape on a 4mm pitch in a 4.25" diameter reel.

QTA-Std. termination (Nickel &Tin) supplied on punched paper tape on a 2mm pitch in a 4.25" diameter reel.

Packaging Suffix

Reel Size	Standard Tin Termination Plastic Tape 1206/0805/0603	Standard Tin Termination Paper Tape 0402
41/4	Xxx	Qxx

Code	EIA Code	EIA Metric	Length (L)	Width (W)	Height (H)	Termination Spacing (S)	Termination Length (Lt)	Quantity Per Reel
K	0402	1005-05	1.00 (0.039)	0.50 (0.020)	0.50 (0.020)	0:40 min.	0.10 (0.004)	1000
L	0603	4608-08	1.60 (0.063)	0.85 (0.033)	0.85 (0.033)	0.65 min.	0.15 (0.006)	500
R	0805	2012-12	2.00 (0.079)	1.35 (0.053)	1.35 (0.053)	0.85 min.	0.15 (0.006)	500

Style 0402

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Volt (DC) 85°	Value (µF)	Tol. ±	ESR Max. Ω @100kHz	Price Each			Reel Pkg.
						1	50	100	1000
581-TACK475M003Q	TACK475M003QTA	3	4.7	20%	15	3.70	2.96	2.59	2.22
581-TACK105M006Q	TACK105M006QTA	6.3	1.0	20%	15	3.70	2.96	2.59	2.22
581-TACK225M006Q	TACK225M006QTA	6.3	2.2	20%	15	3.70	2.96	2.59	2.22
581-TACK474M010Q	TACK474M010QTA	10	0.47	20%	15	3.70	2.96	2.59	2.22

Style 0603

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Volt (DC) 85°	Value (µF)	Tol. ±	ESR Max. Ω @100kHz	Price Each			Reel Pkg.
						1	50	100	500
581-TACL685K004X	TACL685K004XTA	4	6.8	10%	7.5	1.63	1.30	1.14	1.04
581-TACL106M004X	TACL106M004XTA	4	10	20%	7.5	1.63	1.30	1.14	1.04
581-TACL475K006X	TACL475K006XTA	6.3	4.7	10%	7.5	1.63	1.30	1.14	1.04
581-TACL474K010X	TACL474K010XTA	10	.47	10%	7.5	1.63	1.30	1.14	1.04
581-TACL684K010X	TACL684K010XTA	10	.68	10%	7.5	1.63	1.30	1.14	1.04
581-TACL155K010X	TACL155K010XTA	10	1.5	10%	7.5	1.63	1.30	1.14	1.04
581-TACL225K010X	TACL225K010XTA	10	2.2	10%	7.5	1.63	1.30	1.14	1.04
581-TACL335K010X	TACL335K010XTA	10	3.3	10%	7.5	1.63	1.30	1.14	1.04
581-TACL475M010X	TACL475M010XTA	10	4.7	20%	6.0	1.63	1.30	1.14	1.04
581-TACL105K016X	TACL105K016XTA	16	1.0	10%	7.5	1.63	1.30	1.14	1.04

Style 0805

For quantities of 2000 and up, call for quote.

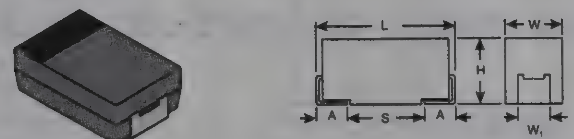
MOUSER STOCK NO.	AVX Part Number	Volt (DC) 85°	Value (µF)	Tol. ±	ESR Max. Ω @100kHz	Price Each			Reel Pkg.
						1	50	100	500
581-TACR476K003X	TACR476K003XTA	3	47	10%	5.0	2.13	1.70	1.49	1.36
581-TACR686M003X	TACR686M003XTA	3	68	20%	5.0	2.13	1.70	1.49	1.36
581-TACR336K004X	TACR336K004XTA	4	33	10%	5.0	2.13	1.70	1.49	1.36
581-TACR226K006X	TACR226K006XTA	6.3	22	10%	5.0	2.13	1.70	1.49	1.36
581-TACR335K010X	TACR335K010XTA	10	3.3	10%	5.0	2.13	1.70	1.49	1.36
581-TACR475K010X	TACR475K010XTA	10	4.7	10%	6.0	2.13	1.70	1.49	1.36
581-TACR685K010X	TACR685K010XTA	10	6.8	10%	5.0	2.13	1.70	1.49	1.36
581-TACR106K010X	TACR106K010XTA	10	10	10%	5.0	2.13	1.70	1.49	1.36
581-TACR156K010X	TACR156K010XTA	10	15	10%	5.0	2.13	1.70	1.49	1.36

AVX 125°C STANDARD TANTALUM CHIP CAPACITORS

The TAJ standard series encompasses the five key sizes recognized by major OEMs throughout the world. The V case size has been added to the TAJ range to allow high CVs to be offered. The operational temperature is -55°C to +85°C at rated voltage and up to +125°C with voltage derated 33% in applications utilizing recommended series resistance.

RoHS Compliant

DIMENSIONS: mm (in.)



Code	EIA Code	L±0.2(0.008)	W+0.2(0.008) -0.1(0.008)	H+0.2(0.008) -0.1(0.004)	W_1 ± 0.2 (0.008)	A+0.3(0.012) -0.2(0.008)	S Min.
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)	1.2 (0.031)	0.8 (0.031)	1.1 (0.043)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)	2.2 (0.087)	0.8 (0.031)	1.4 (0.055)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)	2.2 (0.087)	1.3 (0.051)	2.9 (0.114)
D	7343	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)	2.4 (0.094)	1.3 (0.051)	4.4 (0.173)
V	7361	7.3 (0.287)	6.1 (0.24)	3.45±0.30 (0.136±0.012)	3.1 (0.12)	1.4 (0.055)	4.4 (0.173)
W_1 dimension applies to the termination width for A dimensional area only.							

TAJ Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AVX Part Number	Value (µF)	Case Size	Price Each			Tape and Reel	
				1	100	200	Qty.	Price/Each
10 Volt 10% Tolerance								
581-TAJA225K010	TAJA225K010R	2.2	A	.32	.28	.26	2000	.14
581-TAJA335K010	TAJA335K010R	3.3	A	.33	.29	.27	2000	.15
581-TAJA475K010	TAJA475K010R	4.7	A	.33	.29	.27	2000	.15
581-TAJA685K010	TAJA685K010R	6.8	A	.36	.32	.29	2000	.16
581-TAJB106K010	TAJB106K010R	10	B	.44	.39	.36	2000	.19
581-TAJB156K010	TAJB156K010R	15	B	.47	.41	.38	2000	.21
581-TAJD476K010	TAJD476K010R	47	D	1.28	1.12	1.04	500	.56
581-TAJD107K010	TAJD107K010R	100	D	1.56	1.37	1.27	500	.68
581-TAJV337K010	TAJV337K010R	330	V	5.55	4.62	3.70	400	3.24
581-TAJV477K010	TAJV477K010R	470	V	5.55	4.62	3.70	400	3.24
16 Volt 10% Tolerance								
581-TAJA105K016	TAJA105K016R	1.0	A	.32	.28	.26	2000	.14
581-TAJA225K016	TAJA225K016R	2.2	A	.33	.29	.27	2000	.15
581-TAJA335K016	TAJA335K016R	3.3	A	.33	.29	.27	2000	.15
581-TAJB475K016	TAJB475K016R	4.7	B	.44	.39	.36	2000	.19
581-TAJB685K016	TAJB685K016R	6.8	B	.44	.39	.36	2000	.19
581-TAJB106K016	TAJB106K016R	10	B	.47	.41	.36	2000	.33
581-TAJC156K016	TAJC156K016R	15	C	.76	.67	.62	500	.33
581-TAJD476K016	TAJD476K016R	47	D	1.34	1.17	1.09	500	.59
20 Volt 10% Tolerance								
581-TAJA105K020	TAJA105K020R	1.0	A	.32	.28	.26	2000	.14
581-TAJA335K020	TAJA335K020R	3.3	A	.38	.33	.31	2000	.17
581-TAJB475K020	TAJB475K020R	4.7	B	.44	.39	.36	2000	.19
581-TAJC106K020	TAJC106K020R	10	C	.76	.67	.62	500	.33
581-TAJD226K020	TAJD226K020R	22	D	1.34	1.17	1.09	500	.59
25 Volt 10% Tolerance								
581-TAJA474K025	TAJA474K025R	0.47	A	.80	.70	.65	2000	.35
581-TAJA105K025	TAJA105K025R	1.0	A	.33	.29	.27	2000	.15
581-TAJB225K025	TAJB225K025R	2.2	B	.44	.39	.36	2000	.19
581-TAJC475K025	TAJC475K020R	4.7	C	.74	.65	.60	500	.32
581-TAJC106K025	TAJC106K025R	10	C	.85	.75	.69	500	.37
581-TAJV107K025	TAJV107K025R	100	V	3.75	3.13	2.50	400	2.19
35 Volt 10% Tolerance								
581-TAJA104K035	TAJA104K035R	0.1	A	.80	.70	.65	2000	.35
581-TAJA474K035	TAJA474K035R	0.47	A	.80	.70	.65	2000	.35
581-TAJB105K035	TAJB105K035R	1.0	B	.44	.39	.36	2000	.19
581-TAJB225K035	TAJB225K035R	2.2	B	.53	.46	.43	2000	.23
581-TAJC225K035	TAJC225K035R	2.2	C	.74	.65	.60	500	.32
581-TAJD475K035	TAJD475K035R	4.7	D	1.28	1.12	1.04	500	.56
581-TAJD106K035	TAJD106K035R	10	D	.76	.66	.58	500	.319
50 Volt 10% Tolerance								
581-TAJA104K050	TAJA104K050R	0.1	A	.80	.70	.65	2000	.35
581-TAJV226K050	TAJV226K050	22	V	5.55	4.62	3.70	400	3.24

AVX TPS Low ESR Tantalum Chip Capacitors

A KYOCERA GROUP COMPANY

TPS SERIES III 125°C TANTALUM CHIP CAPACITORS

Features:

- Low ESR levels previously only seen by other technologies.
- Traditional Mno2 technologies guarantees excellent line and field performance, humidity stability and high electrical and thermal stress resistance.

RoHS Compliant

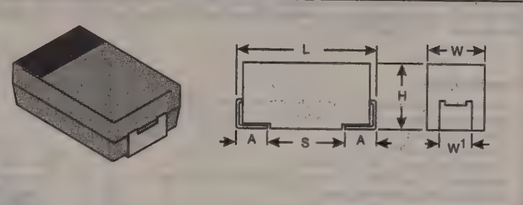
Specifications:

- Capacitance Range: 1.0µF to 1000µF
- Capacitance Tolerance: ±10%, ±20%
- Temperature Range: -55 °C to +125°C
- Voltage listed is at 85°C, Derate 33% @ 125°C

Code	EIA Code	L	W	H
A	3216	3.2 (0.126)	1.6 (0.063)	1.6 (0.063)
B	3528	3.5 (0.138)	2.8 (0.110)	1.9 (0.075)
C	6032	6.0 (0.236)	3.2 (0.126)	2.6 (0.102)
D	7343	7.3 (0.287)	4.3 (0.169)	2.9 (0.114)
E	7343H	7.3 (0.287)	4.3 (0.169)	4.1 (0.162)
V	7361	7.3 (0.287)	6.1 (0.240)	3.45 (0.136)
Y**	7343L	7.3 (0.287)	4.3 (0.169)	2.0 (0.079)

** low profile version

DIMENSIONS: mm (in.)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Value (µF)	Tol. ±	Case Size	ESR Max. (mΩ) @ 100 kHz	Price Each		Reel Qty.	Price Per Piece
Mfr.	Mfr. Part Number					1	100		
4 VDC									
581	TPSD227K004R0100	220	10%	D	100	2.94	2.73	500	2.52
581	TPSD477K004R0045	470	10%	D	45	5.40	4.50	500	3.60
581	TPSD687K004R0100	680	10%	D	100	9.07	8.42	500	7.77
581	TPSV108K004R0040	1000	10%	V	40	13.13	12.19	400	11.25
6.3 VDC									
581	TPSA685K006R1800	6.8	10%	A	1800	.70	.65	2000	.36
581	TPSA106K006R1500	10	10%	A	1500	.60	.50	2000	.32
581	TPSA156K006R1500	15	10%	A	1500	.70	.65	2000	.36
581	TPSA226K006R0500	22	10%	A	500	.70	.65	2000	.36
581	TPSB476K006R0250	47	10%	B	250	.75	.63	2000	.50
581	TPSB686K006R0500	68	10%	B	500	.75	.63	2000	.43
581	TPSB107K006R0400	100	10%	B	400	.75	.63	2000	.43
581	TPSY107K006R0100	100	10%	Y	100	4.38	4.06	1000	3.13
581	TPSC157K006R0150	150	10%	C	150	1.86	1.72	500	1.59
581	TPSD227K006R0100	220	10%	D	100	2.52	2.10	500	1.51
581	TPSY227K006R0100	220	10%	Y	100	4.38	4.06	1000	3.13
581	TPSD337M006R0045	330	20%	D	45	8.55	7.13	500	5.13
581	TPSE337K006R0100	330	10%	E	100	6.24	5.20	400	3.74
581	TPSE477M006R0045	470	20%	E	45	7.95	6.63	400	4.77
581	TPSE477K006R0100	470	10%	E	100	7.98	7.41	400	6.84
581	TPSV477K006R0055	470	10%	V	55	9.15	7.63	400	5.49
581	TPSV477K006R0100	470	10%	V	100	9.98	9.26	400	8.55
581	TPSE687K006R0100	680	10%	E	100	7.88	7.31	400	6.75
10 VDC									
581	TPSA475K010R1400	4.7	10%	A	1400	.60	.50	2000	.40
581	TPSA685K010R1800	6.8	10%	A	1800	.70	.65	2000	.36
581	TPSA106K010R1800	10	10%	A	1800	.62	.60	2000	.51
581	TPSA156K010R1000	15	10%	A	1000	.60	.50	2000	.32
581	TPSB226K010R0400	22	10%	B	400	.88	.81	2000	.45
581	TPSB336K010R0425	33	10%	B	425	.88	.81	2000	.45
581	TPSB476K010R0650	47	10%	B	650	.75	.63	2000	.50
581	TPSB476K010R0350	47	10%	B	350	.88	.81	2000	.45
581	TPSC476K010R0350	47	10%	C	350	1.26	1.05	500	.76
581	TPSC686K010R0300	68	10%	C	300	1.82	1.69	500	1.56
581	TPSD686K010R0150	68	10%	D	150	2.24	2.08	500	1.92
581	TPSD686K010R0100	68	10%	D	100	2.63	2.44	500	2.25
581	TPSY686K010R0100	68	10%	Y	100	4.38	4.06	1000	3.13
581	TPSY686K010R0200	68	10%	Y	200	4.38	4.06	1000	3.13
581	TPSC107K010R0100	100	10%	C	100	1.50	1.40	500	1.25
581	TPSC107M010R0075	100	20%	C	75	1.65	1.38	500	.99
581	TPSC107K010R0150	100	10%	C	150	1.75	1.63	500	1.50
581	TPSC107K010R0200	100	10%	C	200	2.45	2.13	500	1.86
581	TPSD107K010R0150	100	10%	D	150	1.75	1.63	500	1.50
581	TPSD107K010R0100	100	10%	D	100	2.34	1.95	500	1.56
581	TPSD107M010R0080	100	20%	D	80	2.40	2.00	500	1.44
581	TPSD107K010R0080	100	10%	D	80	2.94	2.73	500	2.52
581	TPSE107K010R0125	100	10%	E	125	6.90	6.40	400	5.91
581	TPSY107M010R0100	100	20%	Y	100	3.69	3.08	1000	2.46
581	TPSY107K010R0100	100	10%	Y	100	4.38	4.06	1000	3.13
581	TPSY107K010R0200	100	10%	Y	200	4.38	4.06	1000	3.13
581	TPSD157K010R0100	150	10%	D	100	2.52	2.10	500	1.51
581	TPSY157K010R0150	150	10%	Y	150	1.75	1.63	1000	1.25
581	TPSD227K010R0100	220	10%	D	100	4.95	4.13	500	2.97
581	TPSE227K010R0100	220	10%	E	100	6.24	5.20	400	4.16
581	TPSE227K010R0125	220	10%	E	125	7.14	6.63	400	6.12
581	TPSE227K010R0060	220	10%	E	60	8.93	8.29	400	7.65
581	TPSE227K010R0070	220	10%	E	70	8.93	8.29	400	7.65
581	TPSY227K010R0150	220	10%	Y	150	4.38	4.06	1000	3.13
581	TPSY227K010R0200	220	10%	Y	200	4.38	4.06	1000	3.13
581	TPSD337K010R0100	330	10%	D	100	7.65	6.38	500	5.10
581	TPSD337K010R0150	330	10%	D	150	8.05	7.48	500	6.90
581	TPSE337K010R0040	330	10%	E	40	10.68	9.91	400	9.15
581	TPSV337K010R0060	330	10%	V	60	9.15	7.63	400	5.49
581	TPSE477K010R0200	470	10%	E	200	8.93	8.29	400	7.65
581	TPSE477K010R0045	470	10%	E	45	9.90	8.25	400	6.60
581	TPSE477K010R0050	470	10%	E	50	11.03	10.24	400	9.45
581	TPSV477K010R0100	470	10%	V	100	10.78	10.01	400	9.24
581	TPSV477K010R0040	470	10%	V	40	11.03	10.24	400	9.45
16 VDC									
581	TPSA225K016R1800	2.2	10%	A	1800	.70	.65	2000	.36
581	TPSA335K016R3500	3.3	10%	A	3500	.72	.67	2000	.37
581	TPSA475K016R2000	4.7	10%	A	2000	.60	.50	2000	.32
581	TPSB475K016R1500	4.7	10%	B	1500	.88	.81	2000	.45
581	TPSA685K016R1500	6.8	10%	A	1500	.70	.65	2000	.36
581	TPSB106K016R0800	10	10%	B	800	.75	.70	2000	.63
581	TPSC106K016R0500	10	10%	C	500	1.20	1.00	500	.80
581	TPSB226K016R0600	22	10%	B	600	.75	.70	2000	.55
581	TPSC226K016R0375	22	10%	C	375	1.26	1.05	500	.84
581	TPSC226K016R0300	22	10%	C	300	1.65	1.53	500	1.41
581	TPSC226K016R0250	22	10%	C	250	1.72	1.59	500	1.47
581	TPSC336K016R0225	33	10%	C	225	1.58	1.46	500	1.35
581	TPSY336K016R0300	33	10%	Y	300	4.38	4.06	1000	3.13
581	TPSY336K016R0400	33	10%	Y	400	4.38	4.06	1000	3.13
581	TPSC476K016R0350	47	10%	C	350	1.53	1.28	500	1.02
581	TPSD476K016R0150	47	10%	D	150	2.34	1.95	500	1.56
581	TPSD476K016R0200	47	10%	D	200	2.66	2.47	500	2.28
581	TPSD476K016R0100	47	10%	D	100	2.77	2.57	500	2.37
581	TPSY476K016R0250	47	10%	Y	250	4.38	4.06	1000	3.13
581	TPSY686K016R0200	68	10%	Y	200	4.38	4.06	1000	3.13
581	TPSD107K016R0125	100	10%	D	125	2.52	2.35	500	2.10
581	TPSD107K016R0150	100	10%	D	150	2.94	2.73	500	2.52
581	TPSY107K016R0150	100	10%	Y	150	4.38	4.06	1000	3.13
581	TPSY107K016R0200	100	10%	Y	200	4.38	4.06	1000	3.13
581	TPSD157K016R0125	150	10%	D	125	6.93	6.44	500	5.94
581	TPSE157K016R0100	150	10%	E	100	6.13	5.69	400	5.25
581	TPSV157K016R0045	150	10%	V	45	11.38	10.56	400	9.75
581	TPSE227K016R0150	220	10%	E	150	7.00	6.50	400	6.00
581	TPSV227K016R0075	220	10%	V	75	9.45	7.88	400	5.67
20 VDC									
581	TPSA105K020R3000	1.0	10%	A	3000	.70	.65	2000	.36
581	TPSA335K020R2500	3.3	10%	A	2500	.70	.65	2000	.36
581	TPSA475K020R1800	4.7	10%	A	1800	.72	.67	2000	.37
581	TPSB475K020R1000	4.7	10%	B	1000	.88	.81	2000	.45
581	TPSC685K020R0700	6.8	10%	C	700	1.05	.98	500	.90
581	TPSC106K020R0700	10	10%	C	700	1.47	1.37	500	1.26
581	TPSC106K020R0500	10	10%	C	500	1.54	1.43	1000	1.10
581	TPSC156K020R0400	15	10%	C	400	1.47	1.37	500	1.26
581	TPSC156K020R0450	15	10%	C	450	1.47	1.37	500	1.26
581	TPSD226K020R0300	22	10%	D	300	2.70	2.50	500	2.31
581	TPSC336K020R0300	33	10%	C	300	1.59	1.48	500	1.37
581	TPSD336K020R0100	33	10%	D	100	2.94	2.73	500	2.52
581	TPSD476K020R0100	47	10%	D	100	2.63	2.44	500	2.25
581	TPSE476K020R0250	47	10%	E	250	7.74	7.18	400	6.63
581	TPSE476K020R0200	47	10%	E	200	7.81	7.25	400	6.69
581	TPSE476K020R0150	47	10%	E	150	3.27	2.72	400	2.18
581	TPSE476K020R0125	47	10%	E	125	7.88	7.31	400	6.75
581	TPSE476K020R0070	47	10%	E	70	9.17	8.52	400	7.86
581	TPSD686K020R0200	68	10%	D	200	2.73	2.54	500	2.34
581	TPSE686K020R0150	68	10%	E	150	6.09	5.08	400	3.65
581	TPSE686K020R0200	68	10%	E	200	6.93	6.44	400	5.94
581	TPSE107K020R0200	100	10%	E	200	9.98	9.26	400	8.55
581	TPSV107K020R0085	100	10%	V	85	10.05	8.38	400	6.03
581	TPSV107K020R0200	100	10%	V	200	11.03	10.24	400	9.45
581	TPSV107K020R0100	100	10%	V	100	11.38	10.56	400	9.75
25 VDC									
581	TPSA684K025R6000	0.68	10%	A	6000	.70	.65	2000	.36
581	TPSB475K025R0700	4.7	10%	B	700	.88	.81	2000	.45
581	TPSB475K025R0900	4.7	10%	B	900	.88	.81	2000	.45
581	TPSC685K025R0700	6.8	10%	C	700	1.09	1.01	500	.93
581	TPSC685K025R0600	6.8	10%	C	600	1.12	1.04	500	.96
581	TPSC685K025R0500	6.8	10%	C	500	1.23	1.14	500	1.05
581	TPSC106K025R0500	10	10%	C	500	1.26	1.05	500	.84
581	TPSC156K025R0300	15	10%	C	300	1.40	1.30	500	1.20
581	TPSD156K025R0300	15	10%	D	300	3.05	2.83	500	2.61
581	TPSD156K025R0100	15	10%	D	100	3.57	3.32	500	3.06
581	TPSD226K025R0200	22	10%	D	200	2.34	1.95	500	1.56
581	TPSD226K025R0300	22	10%	D	300	2.73	2.54	500	2.34
581	TPSE336K025R0200	33	10%	E	200	3.00	2.50	400	1.80
581	TPSE336K025R0100	33	10%	E	100	7.35	6.83	400	6.30
581	TPSE476K025R0125	47	10%	E	125	8.30	7.70	400	7.11
581	TPSV686K025R0150	68	10%	V	150	9.45	7.88	400	5.67
581	TPSV686K025R0095	68	10%	V	95	10.05	8.38	400	6.03
581	TPSV686K025R0200	68	10%	V	200	10.50	9.75	400	9.00
35 VDC									
581	TPSA334K035R6000	0.33	10%	A	6000	.70	.65	2000	.36
581	TPSB155K035R2500	1.5	10%	B	2500	.88	.81	2000	.45
581	TPSC335K035R0700	3.3	10%	C	700	1.37	1.27	500	1.17
581	TPSD685K035R0400	6.8	10%	D	400	2.84	2.63	500	2.43
581	TPSC156K035R0450	15	10%	C	450	1.40	1.30	500	1.20
581	TPSD226K035R0400	22	10%	D	400	4.20	3.90	500	3.60
581	TPSD226K035R0300	22	10%	D	300	6.65	6.18	500	5.70
581	TPSD226K035R0125	22	10%	D	125	7.88	7.31	500	6.75
581	TPSE226K035R0300	22	10%	E	300	6.09	5.08	400	4.06
581	TPSE336K035R0300	33	10%	E	300	7.32	6.79	400	6.27
581	TPSE476K035R0250	47	10%	E	250	8.16	7.57	400	6.99
50 VDC									
581	TPSA154K050R9000	0.15	10%	A	9000	.70	.65	2000	.36
581	TPSA224K050R7000	0.22	10%	A	7000	.70	.65	2000	.36
581	TPSC155K050R1500	1.5	10%	C	1500	1.40	1.30	500	1.20
581	TPSD225K050R1200	2.2	10%	D	1200	4.90	4.55	500	4.20
581	TPSD335K050R0800	3.3	10%	D	800	5.08	4.71	500	4.35
581	TPSD475K050R0500	4.7	10%	D	500	5.08	4.71	500	4.35
581	TPSD685K050R0500	6.8	10%	D	500	3.15	2.93	500	2.70

AVX Tantalum Solid Electrolytic Chip Capacitors

AVX
A KYOCERA GROUP COMPANY

RoHS Compliant **This page of product is compliant.**

AVX TCJ SERIES CAPACITOR WITH CONDUCTIVE POLYMER ELECTRODE

The TCJ Series of tantalum capacitors with a conductive polymer electrode offers lower ESR, safer non-ignition failure mode, and better capacitance retention compared to the conventional MnO2 electrode capacitors. The TCJ series is suitable for power management systems with operating temperatures up to 125°C. In addition, the TCJ series complies with RoHS requirements and it is an environmentally friendly component ready for lead-free assembly systems up to 3x reflow with 260°C peak temperature.

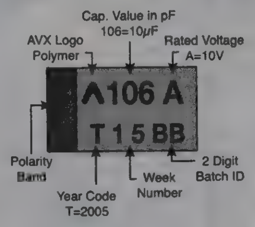
Specifications:

- All technical data relate to an ambient temperature of +25°C
- Capacitance Range: 4.7µF - 150µF
- Capacitance Tolerance: ±20%
- Leakage Current DCL: 0.1CV
- Temperature Range: -55°C to +125°C
- Reliability: 1% per 1000 hrs @ 85°C, V_R with 0.1Ω/V_R series impedance, 60% confidence level
- Lead-Free Compatible Component
- Environmentally Friendly Component

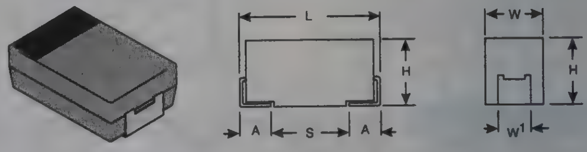
HALOGEN-FREE COMPOUNDS

RoHS Compliant

Markings



DIMENSIONS: mm (In.)



Code	EIA Code	L ±0.20 (0.008)	W +0.20 (0.008) -0.10 (0.004)	H +0.20 (0.008) -0.10 (0.004)	* W1 ±0.20 (0.008)	A +0.30 (0.012) -0.20 (0.008)	S Min.
A	3216-18	3.20 (0.126)	1.60 (0.063)	1.60 (0.063)	1.20 (0.047)	0.80 (0.031)	1.80 (0.071)
B	3528-21	3.50 (0.138)	2.80 (0.110)	1.90 (0.075)	2.20 (0.087)	0.80 (0.031)	1.40 (0.055)
R	2012-12	2.05 (0.081)	1.30 (0.051)	1.20 (0.047) max	1.0±0.1 0 (0.039±0.004)	.50 (0.020)	0.85 (0.033)
T	3528-12	3.50 (0.138)	2.80 (0.110)	1.20 (0.047) max	2.20 (0.087)	0.80 (0.031)	2.00 (0.079)

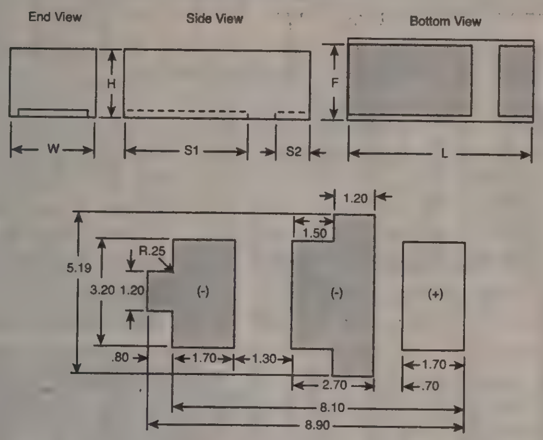
* W1 dimension applies to the termination width for A dimensional area only.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Capacitance Value (µF)	Case Size	DCL (µA) Max.	DF % (µA) Max.	ESR (mΩ) @ 100 kHz	Price Each			Tape and Reel	
							1	10	100	Qty per Reel	Price Each
2.5 Volt @ 85°C (1.7 Volt Rating @ 125°C) • Surge Voltage: 3.3V @ 85°C, 2.0V @ 125°C											
581-TCJA686M2R250	TCJA686M002R0250	68	A	17	6	250	1.84	1.73	1.61	2000	.81
581-TCJA107M2R200	TCJA107M002R0200	100	A	25	6	200	1.84	1.73	1.61	2000	.81
581-TCJB107M2R70	TCJB107M002R0070	100	B	25	6	70	1.84	1.73	1.61	2000	.81
581-TCJB157M2R70	TCJB157M002R0070	150	B	37.5	6	70	1.84	1.73	1.61	2000	.81
4 Volt @ 85°C (2.7 Volt Rating @ 125°C) • Surge Voltage: 5.2V @ 85°C, 3.4V @ 125°C											
581-TCJA156M4R300	TCJA156M004R0300	15	A	6	6	300	1.60	1.50	1.40	2000	.70
581-TCJA226M4R300	TCJA226M004R0300	22	A	8.8	6	300	1.60	1.50	1.40	2000	.70
581-TCJA336M4R300	TCJA336M004R0300	33	A	13.2	6	300	1.84	1.73	1.61	2000	.81
581-TCJA476M4R200	TCJA476M004R0200	47	A	18.8	6	200	1.84	1.73	1.61	2000	.81
581-TCJT476M4R80	TCJT476M004R0080	47	T	18.8	8	80	2.00	1.88	1.75	2500	.88
581-TCJA686M4R250	TCJA686M004R0250	68	A	27.2	6	250	1.84	1.73	1.61	2000	.81
581-TCJB686M4R70	TCJB686M004R0070	68	B	27.2	6	70	1.84	1.73	1.61	2000	.81
581-TCJT686M4R80	TCJT686M004R0080	68	T	27.2	8	80	2.00	1.88	1.75	2500	.88
581-TCJA107M4R200	TCJA107M004R0200	100	A	40	6	200	1.84	1.73	1.61	2000	.81
581-TCJB107M4R70	TCJB107M004R0070	100	B	40	8	70	1.84	1.73	1.61	2000	.81
581-TCJT107M4R150	TCJT107M004R0150	100	T	40	8	150	2.00	1.88	1.75	2500	.88
581-TCJB157M4R70	TCJB157M004R0070	150	B	60	6	70	1.84	1.73	1.61	2000	.81
6.3 Volt @ 85°C (4 Volt Rating @ 125°C) • Surge Voltage: 8V @ 85°C, 5.0V @ 125°C											
581-TCJA106M6R300	TCJA106M006R0300	10	A	6	6	300	3.76	3.53	3.29	2000	1.65
581-TCJR106M6R500	TCJR106M006R0500	10	R	6	6	500	2.40	2.25	2.10	2500	1.05
581-TCJA156M6R300	TCJA156M006R0300	15	A	9	6	300	3.76	3.53	3.29	2000	1.65
581-TCJA226M6R300	TCJA226M006R0300	22	A	13.2	6	300	1.84	1.73	1.61	2000	.81
581-TCJT226M6R150	TCJT226M006R0150	22	T	13.2	6	150	2.00	1.88	1.75	2500	.88
581-TCJA336M6R200	TCJA336M006R0200	33	A	19.8	6	200	1.84	1.73	1.61	2000	.81
581-TCJB336M6R200	TCJB336M006R0200	33	B	19.8	6	200	1.84	1.73	1.61	2000	.81
581-TCJT336M6R150	TCJT336M006R0150	33	T	19.8	8	150	2.00	1.88	1.75	2500	.88
581-TCJA476M6R200	TCJA476M006R0200	47	A	28.2	6	200	1.84	1.73	1.61	2000	.81
581-TCJB476M6R70	TCJB476M006R0070	47	B	28.2	6	70	1.84	1.73	1.61	2000	.81
581-TCJT476M6R80	TCJT476M006R0080	47	T	28.2	8	80	2.00	1.88	1.75	2500	.88
581-TCJB686M6R70	TCJB686M006R0070	68	B	40.8	8	70	1.84	1.73	1.64	2000	.81
581-TCJC686M6R100	TCJC686M006R0100	68	C	40.8	6	100	2.16	2.03	1.89	500	1.35
581-TCJB107M6R70	TCJB107M006R0070	100	B	60	10	70	1.84	1.73	1.64	2000	.81
10 Volt @ 85°C (7 Volt Rating @ 125°C) • Surge Voltage: 13V @ 85°C, 8V @ 125°C											
581-TCJR475M10R500	TCJR475M010R0500	4.7	R	4.7	6	500	2.40	2.25	2.10	2500	1.05
581-TCJA106M10R300	TCJA106M010R0300	10	A	10	6	300	3.76	3.53	3.29	2000	1.65
581-TCJA156M10R200	TCJA156M010R0200	15	A	15	6	200	1.84	1.73	1.64	2000	.81
581-TCJB226M10R300	TCJB226M010R0300	22	B	22	6	300	1.84	1.73	1.64	2000	.81
581-TCJT226M10R150	TCJT226M010R0150	22	T	22	6	150	2.00	1.88	1.75	2500	.88
581-TCJB336M10R200	TCJB336M010R0200	33	B	33	6	200	1.84	1.73	1.64	2000	.81
581-TCJC336M10R100	TCJC336M010R0100	33	C	33	6	100	2.16	2.03	1.89	500	1.35
581-TCJT336M10R150	TCJT336M010R0150	33	T	33	6	50	2.00	1.88	1.75	2500	.88
581-TCJB476M10R70	TCJB476M010R0070	47	B	47	6	70	1.84	1.73	1.64	2000	.81
581-TCJC476M10R100	TCJC476M010R0100	47	C	47	6	100	2.16	2.03	1.89	500	1.35
16 Volt @ 85°C (10 Volt Rating @ 125°C) • Surge Voltage: 20V @ 85°C, 13V @ 125°C											
581-TCJA685M16R200	TCJA685M016R0200	6.8	A	10.9	6	200	1.84	1.73	1.64	2000	.81
581-TCJA106M16R200	TCJA106M016R0200	10	A	16	6	200	1.84	1.73	1.64	2000	.81
581-TCJT106M16R150	TCJT106M016R0150	10	T	16	6	150	2.00	1.88	1.75	2500	.88
581-TCJB156M16R150	TCJB156M016R0150	15	B	24	6	150	1.84	1.73	1.64	2000	.81
581-TCJB226M16R150	TCJB226M016R0150	22	B	35.2	6	150	1.84	1.73	1.64	2000	.81

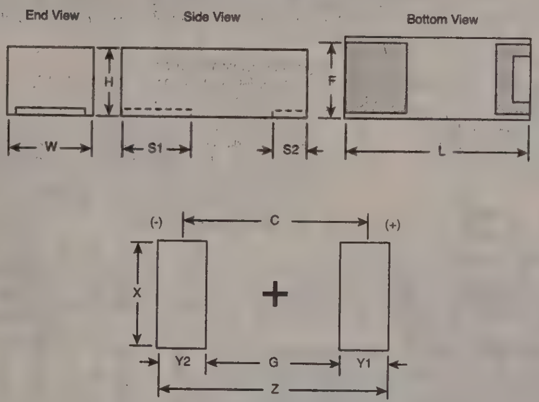
RoHS Compliant **This page of product is compliant.**

T528 Series Z Case Size



Facedown 7343-17 will NOT fit on standard 7343 solder pads, and movement along Z axis could result in a short. Three-pad design must be used with center pad connection to circuit for low ESL properties. Dual pads on cathode connection required to prevent solder lifting with one cathode pad, and for mechanical hold. Will fit on Sanyo TPL pad specification - all dimensions equal except for .80mm tab extension at left cathode (-) plate as shown above.

T528 Series I and M Case Size



Case	Z	G	X	Y1 (ref)	Y2 (ref)	C (ref)
528I	3.25	1.65	1.10	.80	.80	2.45
528M	4.30	1.30	2.40	1.20	1.80	2.80

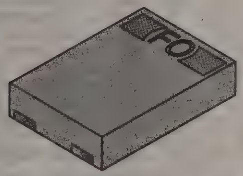
The Capacitance Company
KEMET
CHARGED.

T528 SERIES FACE DOWN TERMINATION TANTALUM SURFACE MOUNT CAPACITORS

DIMENSIONS: mm

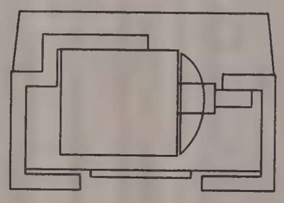
Features:

- Low ESR
- Face Down termination
- 100% Surge Current Testing
- EIA 7343-17 Case Size
- Polymer Cathode Technology
- Low ESL: <0.7nH@20MHz for Z Case size
- Low ESR: 9 mOhm for 7343 Case size
- Lead (Pb) free 260˚C Reflow Capable
- RoHS compliant/Halogen Free
- High Frequency Cap Retention
- Non-Ignition Failure Mode
- Capacitance: 33 - 470μF
- Voltage (VR): 2.5V - 10V
- 105˚C Max. Temperature Capability
- 100% Accelerated Steady State Aging
- Self-Healing Mechanism
- Improved Volumetric Efficiency
- Use up to 90% VR
- Tolerance: ±20%
- Dissipation Factor: 10% @ 25˚C, 120Hz
- Dimensions: 7.3mm x 4.3mm x 1.7mm (LxWxH)

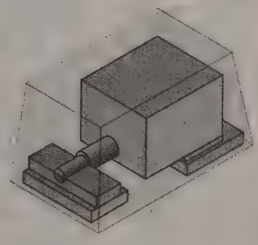


RoHS Compliant

Standard Construction



Face Down Termination



Reduction in current "loop area" creates proportional reduction in ESL.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Volt Rating @ 105˚C	Value (μF)	ESR mOhm @25˚C 100kHz Max.	L Length	W Width	H Height Max.	F LF Width	S1 Cathode	S2 Anode	Price Each					
											1	25	50	100	250	500
80-T528Z337M2R5ATE8	T528Z337M2R5ATE008	2.5	330	8	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.60	4.90	4.20	3.50	2.80	2.45
80-T528Z337M2R5ATE9	T528Z337M2R5ATE009	2.5	330	9	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.60	4.90	4.20	3.50	2.80	2.45
80-T528Z337M2R5ATE12	T528Z337M2R5ATE012	2.5	330	12	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.60	4.90	4.20	3.50	2.80	2.45
80-T528Z477M2R5ATE8	T528Z477M2R5ATE008	2.5	470	8	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	3.90	3.38	3.24	2.97	2.73	2.55
80-T528Z477M2R5ATE9	T528Z477M2R5ATE009	2.5	470	9	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.60	4.90	4.20	3.50	2.80	2.45
80-T528Z477M2R5ATE12	T528Z477M2R5ATE012	2.5	470	12	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.60	4.90	4.20	3.50	2.80	2.45
80-T528I107M3ATE150	T528I107M003ATE150	3	100	150	3.2 +/- 0.2	1.6 +/- 0.2	1	1.2	1	0.7	4.08	3.57	3.06	2.55	2.04	1.79
80-T528I107M3ATE200	T528I107M003ATE200	3	100	200	3.2 +/- 0.2	1.6 +/- 0.2	1	1.2	1	0.7	3.88	3.40	2.91	2.43	1.94	1.70
80-T528M337M3ATE150	T528M337M003ATE150	3	330	150	3.5 +/- 0.2	2.8 +/- 0.2	1.5	2	1.2	0.6	4.40	3.85	3.30	2.75	2.20	1.93
80-T528M337M3ATE200	T528M337M003ATE200	3	330	200	3.5 +/- 0.2	2.8 +/- 0.2	1.5	2	1.2	0.6	4.20	3.68	3.15	2.63	2.10	1.84
80-T528I686M4ATE150	T528I686M004ATE150	4	68	150	3.2 +/- 0.2	1.6 +/- 0.2	1	1.2	1	0.7	4.08	3.57	3.06	2.55	2.04	1.79
80-T528I686M4ATE200	T528I686M004ATE200	4	68	200	3.2 +/- 0.2	1.6 +/- 0.2	1	1.2	1	0.7	3.88	3.40	2.91	2.43	1.94	1.70
80-T528M227M4ATE150	T528M227M004ATE150	4	220	150	3.5 +/- 0.2	2.8 +/- 0.2	1.5	2	1.2	0.6	4.40	3.85	3.30	2.75	2.20	1.93
80-T528M227M4ATE200	T528M227M004ATE200	4	220	200	3.5 +/- 0.2	2.8 +/- 0.2	1.5	2	1.2	0.6	4.20	3.68	3.15	2.63	2.10	1.84
80-T528Z227M4ATE009	T528Z227M004ATE009	4	220	9	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.80	5.08	4.35	3.63	2.90	2.54
80-T528Z227M4ATE012	T528Z227M004ATE012	4	220	12	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.60	4.90	4.20	3.50	2.80	2.45
80-T528Z337M4ATE009	T528Z337M004ATE009	4	330	9	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	6.00	5.25	4.50	3.75	3.00	2.63
80-T528Z337M4ATE012	T528Z337M004ATE012	4	330	12	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.80	5.08	4.35	3.63	2.90	2.54
80-T528I476M6ATE150	T528I476M006ATE150	6	47	150	3.2 +/- 0.2	1.6 +/- 0.2	1	1.2	1	0.7	4.08	3.57	3.06	2.55	2.04	1.79
80-T528I476M6ATE200	T528I476M006ATE200	6	47	200	3.2 +/- 0.2	1.6 +/- 0.2	1	1.2	1	0.7	3.88	3.40	2.91	2.43	1.94	1.70
80-T528M157M6ATE150	T528M157M006ATE150	6	150	150	3.5 +/- 0.2	2.8 +/- 0.2	1.5	2	1.2	0.6	4.60	4.03	3.45	2.88	2.30	2.01
80-T528M157M6ATE200	T528M157M006ATE200	6	150	200	3.5 +/- 0.2	2.8 +/- 0.2	1.5	2	1.2	0.6	4.40	3.85	3.30	2.75	2.20	1.93
80-T528Z157M6ATE009	T528Z157M006ATE009	6	150	9	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.80	5.08	4.35	3.63	2.90	2.54
80-T528Z157M6ATE012	T528Z157M006ATE012	6	150	12	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.60	4.90	4.20	3.50	2.80	2.45
80-T528Z227M6ATE009	T528Z227M006ATE009	6	220	9	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	6.00	5.25	4.50	3.75	3.00	2.63
80-T528Z227M6ATE012	T528Z227M006ATE012	6	220	12	7.3 +/- 0.4	4.3 +/- 0.3	1.7	2.8	5.1	1.3	5.80	5.08	4.35	3.63	2.90	2.54
80-T528I336M10ATE150	T528I336M010ATE150	10	33	150	3.2 +/- 0.2	1.6 +/- 0.2	1	1.2	1	0.7	4.12	3.61	3.09	2.58	2.06	1.80
80-T528I336M10ATE200	T528I336M010ATE200	10	33	200	3.2 +/- 0.2	1.6 +/- 0.2	1	1.2	1	0.7	3.92	3.43	2.94	2.45	1.96	1.72
80-T528M107M10ATE150	T528M107M010ATE150	10	100	150	3.5 +/- 0.2	2.8 +/- 0.2	1.5	2	1.2	0.6	4.60	4.03	3.45	2.88	2.30	2.01
80-T528M107M10ATE200	T528M107M010ATE200	10	100	200	3.5 +/- 0.2	2.8 +/- 0.2	1.5	2	1.2	0.6	4.40	3.85	3.30	2.75	2.20	1.93

KEMET Conductive Polymer Chip Capacitors

The Capacitance Company
KEMET
CHARGED.

RoHS Compliant **This page of product is compliant.**

T520 SERIES - 105°C LOW ESR, KO-CAP

KEMET has developed a new type of tantalum capacitor that replaces the solid manganese dioxide electrode with a solid conductive polymer. This product is named the KO-CAP for KEMET Organic Capacitor. The advantages of the polymer include very low ESR and elimination of the potentially catastrophic failure mode that may occur with standard tantalum capacitors in a high surge current application.

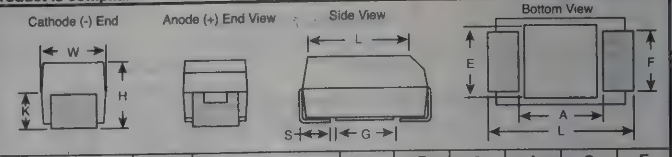
Features:

- Polymer Cathode Technology
- Low ESR
- High Frequency Cap Retention
- No-Ignition Failure Mode
- EIA Standard Case Sizes
- 100% Surge Current Tested
- 20% tolerance

RoHS Compliant

Electrical Specifications:

- Operating Temperature Range: -55°C to +105°C
- Voltage listed is at 85°C, Derate 25% at 105°C
- Reverse Voltage Rating & Polarity:
  Polymer tantalum capacitors are polar devices and may be permanently damaged or destroyed if connected in the wrong polarity. The positive terminal is identified by a laser-marked stripe and may also include a beveled edge. These capacitors will withstand a small degree of transient voltage reversal for short periods. Please note that these parts may not be operated continuously in reverse.



Case Size		Reel	Dimensions: mm			K	F	S	A	G	E
KEMET	EIA	Qty.	L	W	H	±0.2	±0.1	±0.3	(Min)	(Ref)	(Ref)
B	3528-21	2000	3.5	2.8	1.9	1.9	2.2	0.8	1.1	1.8	2.2
V	7343-20	1000	7.3	4.3	1.9	1.9	2.4	1.3	3.8	3.5	3.5
D	7343-31	500	7.3	4.3	2.8	1.5	2.4	1.3	3.8	3.5	3.5
X	7343-43	500	7.3	4.3	4.0	2.3	2.4	1.3	3.8	3.5	3.5
T	3528-12	2500	3.5	2.8	1.2	0.3	2.2	0.8	3.8	3.5	3.5
V	7343-20	1000	7.3	4.3	4.0	0.9	2.4	1.3	3.8	3.5	3.5

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (µF)	Case Code	ESR mΩ @ 25°C 100 kHz Max	DC Leakage µA @ 25°C Max	Ripple Current (mA rms)	Price Each			MOUSER STOCK NO.	Reel Qty.	Price Each
								1	20	100			
2.5 Volt Rating @ 105°C													
80-T520T566M2R5ATE70	T520T566M2R5ATE070	2.5	56	T	70	14	1.0	1.15	1.01	.88	80-T520T566M2RE70-TR	2500	.68
80-T520A686M2R5ATE80	T520A686M2R5ATE080	2.5	68	A	80	17	1.0	.72	.64	.55	80-T520A686M2RE80-TR	2000	.38
80-T520B107M2R5	T520B107M2R5ATE040	2.5	100	B	40	25	1.5	1.30	.98	.78	80-T520B107M2R5-TR	2000	.42
80-T520V227M2R5ATE9	T520V227M2R5ATE009	2.5	220	V	9	55	3.7	3.61	3.19	2.76	80-T520V227M2RE9-TR	1000	1.44
80-T520V227M2R5E15	T520V227M2R5ATE015	2.5	220	V	15	55	2.9	4.00	3.00	2.40	80-T520V227M2RE15-TR	1000	1.36
80-T520V337M2R5ATE9	T520V337M2R5ATE009	2.5	330	V	9	83	3.7	4.25	3.75	3.25	80-T520V337M2RE9-TR	1000	1.70
80-T520V477M2R5ATE9	T520V477M2R5ATE009	2.5	470	V	9	118	3.7	4.25	3.75	3.25	80-T520V477M2RE9-TR	1000	1.70
80-T520D477M2R5ATE9	T520D477M2R5ATE009	2.5	470	D	9	118	4.1	4.25	3.75	3.25	80-T520D477M2R5E9-TR	500	1.75
80-T520D687M2R5ATE10	T520D687M2R5ATE010	2.5	680	D	10	170	3.9	4.25	3.75	3.25	80-T520D687M2RE10-TR	500	4.25
80-T520Y687M2R5E25	T520Y687M2R5ATE025	2.5	680	Y	25	272	2.5	5.00	3.75	3.00	80-T520Y687M2RE25-TR	500	2.25
80-T520Y108M2R5ATE15	T520Y108M2R5ATE015	2.5	1000	Y	15	170	3.3	4.68	4.13	3.58	80-T520Y108M2RE15-TR	500	3.30
3 Volt Rating @ 105°C													
80-T520B107M3ATE40	T520B107M003ATE040	3.0	100	B	40	30	1.5	1.11	.98	.85	80-T520B107M3E40-TR	2000	.44
80-T520B157M3ATE40	T520B157M003ATE040	3.0	150	B	40	45	1.5	1.23	1.09	.94	80-T520B157M3E40-TR	2000	.49
80-T520B157M003	T520B157M003ATE070	3.0	150	B	70	45	1.1	1.25	.94	.75	80-T520B157M003-TR	2000	.43
80-T520V337M3ATE9	T520V337M003ATE009	3.0	330	V	9	99	3.7	3.83	3.38	2.93	80-T520V337M3E9-TR	1000	2.25
80-T520V337M003	T520V337M003ATE025	3.0	330	V	25	99	2.2	4.50	3.38	2.70	80-T520V337M003-TR	1000	1.53
80-T520D687M3ATE15	T520D687M003ATE015	3.0	680	D	15	204	3.2	4.04	3.56	3.09	80-T520D687M3E15-TR	500	1.73
80-T520X108M3E15	T520X108M003ATE015	3.0	1000	X	15	300	3.3	7.00	6.13	3.50	80-T520X108M3E15-TR	500	2.98
4 Volt Rating @ 105°C													
80-T520T156M4E100	T520T156M004ATE100	4.0	15	T	100	6	0.8	1.06	.94	.81	80-T520T156M4E100-TR	2500	.43
80-T520T476M4E70	T520T476M004ATE070	4.0	47	T	70	19	1.0	1.35	1.02	.81	80-T520T476M4E70-TR	2500	.43
80-T520B686M4ATE40	T520B686M004ATE040	4.0	68	B	40	27	1.5	1.11	.98	.85	80-T520B686M4E40-TR	2000	.59
80-T520B686M004	T520B686M004ATE070	4.0	68	B	70	27	1.1	.94	.83	.72	80-T520B686M004-TR	2000	.37
80-T520B107M4ATE35	T520B107M004ATE035	4.0	100	B	35	40	1.6	.94	.83	.72	80-T520B107M4E35-TR	2000	.50
80-T520B107M004	T520B107M004ATE070	4.0	100	B	70	40	1.1	1.30	.98	.78	80-T520B107M004-TR	2000	.37
80-T520B157M4ATE35	T520B157M004ATE035	4.0	150	B	35	60	1.6	1.23	1.09	.94	80-T520B157M4E35-TR	2000	.65
80-T520V157M4ATE9	T520V157M004ATE009	4.0	150	V	9	60	3.7	3.61	3.19	2.76	80-T520V157M4E9-TR	1000	1.45
80-T520V157M4E12	T520V157M004ATE012	4.0	150	V	12	60	3.2	2.55	2.25	1.95	80-T520V157M4E12-TR	1000	1.36
80-T520V227M4ATE9	T520V227M004ATE009	4.0	220	V	9	88	3.7	2.98	2.63	2.28	80-T520V227M4E9-TR	1000	1.53
80-T520V227M004	T520V227M004ATE045	4.0	220	V	45	88	1.7	3.19	2.81	2.43	80-T520V227M004-TR	1000	1.28
80-T520D227M4E65	T520D227M004ATE065	4.0	220	D	65	88	1.5	1.48	1.30	.74	80-T520D227M4E65-TR	500	.67
80-T520D337M4E9	T520D337M004ATE009	4.0	330	D	9	132	3.7	2.08	1.82	1.04	80-T520D337M4E9-TR	500	.88
80-T520V337M4ATE9	T520V337M004ATE009	4.0	330	V	9	132	3.7	3.83	3.38	2.93	80-T520V337M4E9-TR	1000	1.53
80-T520D477M4ATE10	T520D477M004ATE010	4.0	470	D	10	188	3.9	2.47	2.18	1.89	80-T520D477M4E10-TR	500	1.74
80-T520D477M4E15	T520D477M004ATE015	4.0	470	D	15	188	3.2	2.25	1.99	1.72	80-T520D477M4E15-TR	500	.94
80-T520D477M004	T520D477M004ATE040	4.0	470	D	40	188	1.9	1.83	1.61	1.39	80-T520D477M004-TR	500	.78
80-T520D687M4ATE25	T520D687M004ATE025	4.0	680	D	25	272	2.4	4.04	3.56	3.09	80-T520D687M4E25-TR	500	2.85
80-T520Y687M4ATE15	T520Y687M004ATE015	4.0	680	Y	15	272	3.3	4.25	3.75	3.25	80-T520Y687M4E15-TR	500	2.25
80-T520Y687M4E25	T520Y687M004ATE025	4.0	680	Y	25	272	2.5	3.75	3.00	2.75	80-T520Y687M4E25-TR	500	2.25
6.3 Volt Rating @ 105°C													
80-T520B336M6ATE40	T520B336M006ATE040	6.3	33	B	40	21	1.5	1.11	.98	.85	80-T520B336M6E40-TR	2000	.44
80-T520B476M6ATE40	T520B476M006ATE040	6.3	47	B	40	30	1.5	1.11	.98	.85	80-T520B476M6E40-TR	2000	.44
80-T520B476M006	T520B476M006ATE070	6.3	47	B	70	29	1.1	.94	.83	.72	80-T520B476M006-TR	2000	.37
80-T520B686M006	T520B686M006ATE070	6.3	68	B	70	43	1.1	.94	.83	.72	80-T520B686M006-TR	2000	.37
80-T520B107M6ATE40	T520B107M006ATE040	6.3	100	B	40	63	1.5	1.19	1.05	.91	80-T520B107M6E40-TR	2000	.48
80-T520V107M6ATE9	T520V107M006ATE009	6.3	100	V	9	63	3.7	3.61	3.19	2.76	80-T520V107M6E9-TR	1000	1.45
80-T520V157M6ATE9	T520V157M006ATE009	6.3	150	V	9	95	3.7	3.83	3.38	2.93	80-T520V157M6E9-TR	1000	1.53
80-T520V157M6E15	T520V157M006ATE015	6.3	150	V	15	95	2.9	2.60	2.28	1.30	80-T520V157M6E15-TR	1000	1.04
80-T520V157M006	T520V157M006ATE045	6.3	150	V	45	95	1.7	3.75	2.81	2.44	80-T520V157M006-TR	1000	1.28
80-T520D157M006	T520D157M006ATE055	6.3	150	D	55	95	1.7	1.85	1.39	1.11	80-T520D157M006-TR	500	.67
80-T520D227M6E9	T520D227M006ATE009	6.3	220	V	9	139	3.7	2.08	1.82	1.04	80-T520D227M6E9-TR	500	.95
80-T520D227M6E15	T520D227M006ATE015	6.3	220	D	15	139	3.2	1.88	1.65	.94	80-T520D227M6E15-TR	500	.80
80-T520D227M006	T520D227M006ATE050	6.3	220	D	50	139	1.7	1.85	1.39	1.11	80-T520D227M006-TR	500	.67
80-T520V227M6ATE9	T520V227M006ATE009	6.3	220	V	9	139	3.7	4.46	3.94	3.41	80-T520V227M6E9-TR	1000	1.79
80-T520D337M6E15	T520D337M006ATE015	6.3	330	D	15	208	3.2	2.00	1.76	1.53	80-T520D337M6E45-TR	500	.86
80-T520D337M006	T520D337M006ATE045	6.3	330	D	45	208	1.8	1.57	1.39	1.20	80-T520D337M006-TR	500	.67
80-T520Y337M6ATE15	T520Y337M006ATE015	6.3	330	Y	15	208	3.3	4.04	3.56	3.09	80-T520Y337M6E15-TR	500	2.85
80-T520Y477M6ATE15	T520Y477M006ATE015	6.3	470	Y	15	296	3.3	4.04	3.56	3.09	80-T520Y477M6E15-TR	500	2.85
80-T520Y477M6E25	T520Y477M006ATE025	6.3	470	Y	25	296	2.5	4.04	3.56	3.09	80-T520Y477M6E25-TR	500	2.85
80-T520X477M006	T520X477M006ATE040	6.3	470	X	40	296	2.0	10.41	9.19	7.96	80-T520X477M006-TR	500	4.46
8 Volt Rating @ 105°C													
80-T520D157M008	T520D157M008ATE025	8.0	150	D	25	120	2.4	3.40	3.00	2.60	80-T520D157M008-TR	500	1.46
10 Volt Rating @ 105°C													
80-T520D227M10ATE25	T520D227M010ATE025	10	220	D	25	220	2.4	2.04	1.80	1.56	80-T520D227M10E25-TR	500	.87
80-T520B336M010	T520B336M010ATE070	10	33	B	70	33	1.1	.94	.83	.72	80-T520B336M010-TR	2000	.37
80-T520V686M010	T520V686M010ATE060	10	68	V	60	68	1.4	3.19	2.81	2.44	80-T520V686M010-TR	1000	1.28
80-T520V107M10E25	T520V107M010ATE025	10	100	V	25	100	2.2	3.19	2.81	2.44	80-T520V107M10E25-TR	1000	1.53
80-T520D107M010	T520D107M010ATE080	10	100	D	80	100	1.4	1.57	1.39	1.20	80-T520D107M010-TR	500	.67
80-T520D157M010	T520D157M010ATE055	10	150	D	55	150	1.7	1.57	1.39	1.20	80-T520D157M010-TR	500	.67
80-T520D227M010	T520D227M010ATE018	10	220	D	18	220	2.9	2.04	1.80	1.56	80-T520D227M010-TR	500	.87
80-T520X337M010	T520X337M010ATE040	10	330	X	40	330	2.0	10.41	9.19	7.96	80-T520X337M010-TR	500	4.46
80-T520X337M10E25	T520X337M010ATE025	10	330	X	25	330	2.6	8.50	7.50	6.50	80-T520X337M10E25-TR	500	4.55
16 Volt Rating @ 105°C													
80-T520V336M016	T520V336M016ATE060	16	33	V	60	53	1.4	3.83	3.38	2.93	80-T520V336M016-TR	1000	1.53
80-T520D476M016	T520D476M016ATE070	16	47	D	70	75	1.5	2.76	2.44	2.11	80-T520D476M016-TR	500	1.18
80-T520D476M16E35	T520D476M016ATE035	16	47	D	35	75	2.1	2.98	2.63	2.28	80-T520D476M16E35-TR	500	1.27
80-T520V476M16ATE70	T520V476M016ATE070	16	47	V	70	76	1.3	3.83	3.38	2.93	80-T520V476M16E70-TR	1000	1.53
25 Volt Rating @ 105°C													
80-T520D156M025	T520D156M025ATE080	25	15	D	80	38	1.4	3.25	2.44	1.95	80-T520D156M025-TR	500	1.18

KEMET Conductive Polymer Chip Capacitors

RoHS Compliant **This page of product is compliant.**

The Capacitance Company
KEMET
CHARGED.™

RoHS Compliant

T525 AND T530 SERIES - 125°C LOW ESR, KO-CAP

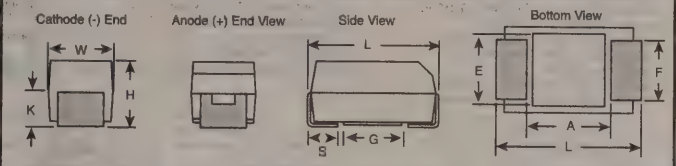
KEMET has developed a new type of tantalum capacitor that replaces the solid manganese dioxide electrode with a solid conductive polymer. This product is named the KO-CAP for KEMET Organic Capacitor. The advantages of the polymer include very low ESR and elimination of the potentially catastrophic failure mode that may occur with standard tantalum capacitors in a high surge current application.

Features for T525:

- Polymer Cathode Technology
- 125°C Maximum temperature capability
- High frequency capacitance retention
- Non-ignition failure mode
- Halogen free epoxy
- Use up to 90% of rated voltage (10% derating) for part types ≤ 10 volts
- Use up to 80% of rated voltage (20% derating) for part types. 10 volts
- Operating Temperature Range: -55°C to +125°C
- 100% Accelerated steady state aging
- 100% Surge current testing
- Self-healing mechanism
- Volumetrically efficient
- Extremely stable ESR at 125°C
- EIA standard case size
- RoHS Compliant/Leadfree Termination

Features for T530:

- Highest CV in Standard EIA Size
- Extremely low ESR
- 125°C Max, temperature capability
- Polymer Cathode technology
- High frequency capacitance retention
- Non-Ignition failure mode
- Molded case (pick-and-place precision)
- 100% Accelerated steady state aging
- 100% Surge current testing
- Utilizes multiple tantalum anode technology
- Volumetric efficiency
- Use up to 90% of rated voltage (10% Derating)
- Self-healing mechanism



Case Size		Reel Qty.	Dimensions (mm)			K ±0.2	F ±0.1	S ±0.3	A (Min)	G (Ref)	E (Ref)
KEMET	EIA		L	W	H						
B	3528-21	2000	3.5	2.8	1.9	0.9	2.2	0.8	1.1	1.8	2.2
D	7343-31	500	7.3	4.3	2.8	1.5	2.4	1.3	3.8	3.5	3.5
T	3528-12	2500	3.5	2.8	1.2	0.3	2.2	0.8	1.1	1.8	2.2
X	7343-43	500	7.3	4.3	4.0	2.3	2.4	1.3	3.8	3.5	3.5
Y	7343-40	500	7.3	4.3	4.0	1.9	2.4	1.3	3.8	3.5	3.5

T525 Series - High Temperature

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (µF)	Case Code	ESR mΩ @ 25°C 100 kHz Max	DC Leakage µA @ 25°C Max	Ripple Current (mA rms)	Price Each			MOUSER STOCK NO.	7 Inch Reel Qty.	Price Per Piece
								1	20	100			
2.5 Volt Rating @ 105°C (1.7 Volt Rating at 125°C)													
80-T525T107M2R5ATE80	T525T107M2R5ATE080	2.5	100	T	80	25	0.9	1.15	.95	.81	80-T525T107M2RE80-TR	2500	.74
80-T525D337M2R5ATE25	T525D337M2R5ATE025	2.5	330	D	25	83	2.4	.72	.60	.51	80-T525D337M2RE25-TR	500	.43
80-T525D477M2R5ATE25	T525D477M2R5ATE025	2.5	470	D	25	118	2.4	1.23	1.02	.87	80-T525D477M2RE25-TR	500	.73
80-T525D687M2R5	T525D687M2R5ATE025	2.5	680	D	25	170	2.4	4.98	3.73	2.99	80-T525D687M2R5-TR	500	2.48
3 Volt Rating @ 105°C (2 Volt Rating at 125°C)													
80-T525B107M3ATE80	T525B107M003ATE080	3.0	100	B	80	30	1.0	3.61	2.98	2.55	80-T525B107M3E80-TR	2000	1.91
80-T525B157M003	T525B157M003ATE080	3.0	150	B	80	45	1.0	1.30	.98	.78	80-T525B157M003-TR	500	.65
80-T525D337M3ATE25	T525D337M003ATE025	3.0	330	D	25	99	2.4	4.25	3.50	3.00	80-T525D337M3E25-TR	500	2.50
80-T525D477M3ATE25	T525D477M003ATE025	3.0	470	D	25	141	2.4	4.25	3.50	3.00	80-T525D477M3E25-TR	500	2.50
80-T525D687M003	T525D687M003ATE025	3.0	680	D	25	204	2.4	4.98	3.73	2.99	80-T525D687M003-TR	500	2.24
4 Volt Rating @ 105°C (2.7 Volt Rating at 125°C)													
80-T525T686M4ATE80	T525T686M004ATE080	4.0	68	T	80	27	0.9	4.25	3.50	3.00	80-T525T686M4E80-TR	2500	2.50
80-T525B686M4ATE80	T525B686M004ATE080	4.0	68	B	80	28	1.0	4.25	3.50	3.00	80-T525B686M4E80-TR	2500	2.50
80-T525B107M004	T252B107M004ATE080	4.0	100	B	80	40	1.0	1.30	.98	.78	80-T525B107M004-TR	500	.59
80-T525D227M4ATE25	T525D227M004ATE025	4.0	220	D	25	88	2.4	4.68	3.85	3.30	80-T525D227M4E25-TR	500	2.75
80-T525D337M4ATE25	T525D337M004ATE025	4.0	330	D	25	132	2.4	1.11	.91	.78	80-T525D337M4E25-TR	500	.65
80-T525D477M4ATE25	T525D477M004ATE025	4.0	470	D	25	188	2.4	1.23	1.02	.87	80-T525D477M4E25-TR	500	.73
80-T525D477M004	T525D477M004ATE040	4.0	470	D	40	188	1.9	4.98	3.73	2.99	80-T525D477M004-TR	500	2.48
6.3 Volt Rating @ 105°C (4.2 Volt Rating at 125°C)													
80-T525B336M6ATE80	T525B336M006ATE080	6.3	33	B	80	21	1.0	3.83	3.15	2.70	80-T525B336M6E80-TR	2000	1.80
80-T525T476M6ATE80	T525T476M006ATE080	6.3	47	T	80	30	0.9	4.04	3.33	2.85	80-T525T476M6E80-TR	2500	2.25
80-T525B476M6ATE80	T525B476M006ATE080	6.3	47	B	80	30	1.0	1.06	.88	.75	80-T525B476M6E80-TR	2000	.44
80-T525B686M006	T525B686M006ATE080	6.3	68	B	80	43	1.0	1.30	.98	.78	80-T525B686M006-TR	500	.59
80-T525D157M6ATE25	T525D157M006ATE025	6.3	150	D	25	95	2.4	1.11	.91	.78	80-T525D157M6E25-TR	500	.65
80-T525D227M6ATE25	T525D227M006ATE025	6.3	220	D	25	139	2.4	.94	.77	.66	80-T525D227M6E25-TR	500	.55
80-T525D337M6ATE25	T525D337M006ATE025	6.3	330	D	25	208	2.4	1.23	1.02	.87	80-T525D337M6E25-TR	500	.73
80-T525D377M006	T525D337M006ATE040	6.3	330	D	40	208	1.9	4.98	4.23	3.73	80-T525D377M006-TR	500	1.81
10 Volt Rating @ 105°C (6.6 Volt Rating at 125°C)													
80-T525B226M10ATE80	T525B226M010ATE080	10	22	B	80	22	1.0	3.61	2.98	2.55	80-T525B226M10E80-TR	2000	1.70
80-T525D107M10ATE25	T525D107M010ATE025	10	100	D	25	100	2.4	3.83	3.15	2.70	80-T525D107M10E25-TR	500	2.61
80-T525D107M010	T525D107M010ATE055	10	100	D	55	100	1.7	4.98	3.73	2.99	80-T525D107M010-TR	500	2.24
80-T525D157M10ATE25	T525D157M010ATE025	10	150	D	25	150	2.4	2.47	2.03	1.74	80-T525D157M10E25-TR	500	1.45
80-T525D157M010	T525D157M010ATE055	10	150	D	55	150	1.7	4.98	3.73	2.99	80-T525D157M010-TR	500	2.24
80-T525D227M10ATE25	T525D227M010ATE025	10	220	D	25	220	2.4	4.04	3.33	2.85	80-T525D227M10E25-TR	500	2.37
16 Volt Rating @ 105°C (10.6 Volt Rating at 125°C)													
80-T525D476M16ATE35	T525D476M016ATE035	16	47	D	35	76	2.1	4.25	3.50	3.00	80-T525D476M16E35-TR	500	2.50
80-T525D476M016	T525D476M016ATE065	16	47	D	65	76	1.5	4.98	3.73	2.99	80-T525D476M016-TR	500	2.24

T530 Series High Capacitance - Low ESR

MOUSER STOCK NO.	KEMET Part Number	Volt (DC)	Value (µF)	Case Code	ESR mΩ @ 25°C 100 kHz Max	DC Leakage µA @ 25°C Max	Ripple Current (mA rms)	Price Each			MOUSER STOCK NO.	7 Inch Reel Qty.	Price Per Piece
								1	20	100			
2.5 Volt Rating @ 105°C (1.7 Volt Rating at 125°C)													
80-T530D477M2R5E6	T530D477M2R5ATE006	2.5	470	D	6	118	6.5	8.40	7.35	4.20	80-T530D477M2RE6-TR	500	3.57
80-T530D567M2R5E5	T530D567M2R5ATE005	2.5	560	D	5	140	7.1	8.80	7.70	4.40	80-T530D567M2RE5-TR	500	3.74
80-T530D687M2R5E10	T530D687M2R5ATE010	2.5	680	D	10	170	5.0	10.25	7.69	6.15	80-T530D687M2RE10-TR	500	4.61
80-T530X108M2R5ATE6	T530X108M2R5ATE006	2.5	1000	X	6	250	6.7	9.80	8.58	7.35	80-T530X108M2RE6-TR	500	3.92
80-T530X158M2R5ATE5	T530X158M2R5ATE005	2.5	1500	X	5	375	7.3	10.40	9.10	7.80	80-T530X158M2RE5-TR	500	4.16
3 Volt Rating @ 105°C (2 Volt Rating at 125°C)													
80-T530D687M3ATE10	T530D687M003ATE010	3.0	680	D	10	204	5.0	8.20	7.18	6.15	80-T530D687M3E10-TR	500	3.28
80-T530X108M003	T530X108M003ATE010	3.0	1000	X	10	300	5.2	11.75	8.81	7.05	80-T530X108M003-TR	500	11.75
80-T530X158M003	T530X158M003ATE008	3.0	1500	X	8	450	5.8	13.00	9.75	7.80	80-T530X158M003-TR	500	5.58
4 Volt Rating @ 105°C (2.7 Volt Rating at 125°C)													
80-T530D337M4ATE6	T530D337M004ATE006	4.0	330	D	6	132	6.5	8.40	7.35	6.30	80-T530D337M4E6-TR	500	3.36
80-T530D477M004	T530D477M004ATE010	4.0	470	D	10	188	5.0	10.25	7.69	6.15	80-T530D477M004-TR	500	4.61
80-T530X687M4ATE6	T530X687M004ATE006	4.0	680	X	6	272	6.7	9.80	8.58	7.35	80-T530X687M4E6-TR	500	3.92
80-T530X687M004	T530X687M004ATE010	4.0	680	X	10	272	5.2	11.75	8.81	7.05	80-T530X687M004-TR	500	5.29
80-T530X108M4ATE6	T530X108M004ATE006	4.0	1000	X	6	400	6.7	9.80	8.58	7.35	80-T530X108M4E6-TR	500	3.92
6.3 Volt Rating @ 105°C (4.2 Volt Rating at 125°C)													
80-T530D227M6E6	T530D227M006ATE006	6.3	220	D	6	139	6.5	8.40	7.35	4.20	80-T530D227M6E6-TR	500	3.57
80-T530Y337M6ATE6	T530Y337M006ATE006	6.3	330	Y	6	208	6.6	8.80	7.70	6.60	80-T530Y337M6E6-TR	500	3.52
80-T530D337M6ATE10	T530D337M006ATE010	6.3	330	D	10	208	5.1	8.00	7.00	6.00	80-T530D337M6E10-TR	500	3.20
80-T530X477M6ATE6	T530X477M006ATE006	6.3	470	X	6	296	6.7	9.80	8.58	7.35	80-T530X477M6E6-TR	500	3.92
80-T530X477M006	T530X477M006ATE010	6.3	470	X	10	296	5.2	11.75	8.81	7.05	80-T530X477M006-TR	500	5.29
10 Volt Rating @ 105°C (5.3 Volt Rating at 125°C)													
80-T530D157M010E06	T530D157M010ATE006	10	150	D	6	150	6.5	10.50	7.88	6.30	80-T530D157M10E6-TR	500	4.73
80-T530D227M10ATE10	T530D227M010ATE010	10	220	D	10	220	5.0	8.00	7.00	6.00	80-T530D227M10E10-TR	500	3.20
80-T530X337M010E06	T530X337M010ATE006	10	330	X	6	330	6.7	12.25	9.80	8.57	80-T530X337M10E6-TR	500	4.41
80-T530X337M010	T530X337M010ATE010	10	330	X	10	330	5.2	11.75	8.81	7.05	80-T530X337M010-TR	500	5.29

KEMET T49 Series Low Profile SMD Tantalum Capacitors

The Capacitance Company
KEMET
CHARGED.

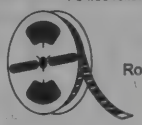
RoHS Compliant **This page of product is compliant.**

The Low Profile HICV X5R series is designed for handheld and miniaturized electronics applications where the height of the components is a key design consideration. The maximum height for the new low profile EIA 0805 case size components is 0.95mm. Primary end use applications for the Low Profile HiCV MLCCs include LCD modules, mini-HDD, DSC, IC Cards, Smart Cards, PMCIA cards, MP3 players, and other portable electronic devices.

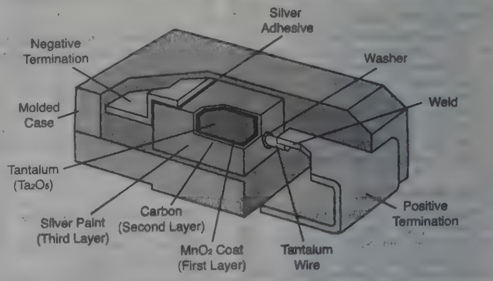
Newest capacitance values are available in the X5R dielectrics. The operating temperature range of the X5R capacitors is between -55°C and +85°C, with the zero bias capacitance shift limited to ±15% over those ranges. All parts are environmentally friendly, in compliance with RoHS legislation and are capable of Pb-free reflow profiles.

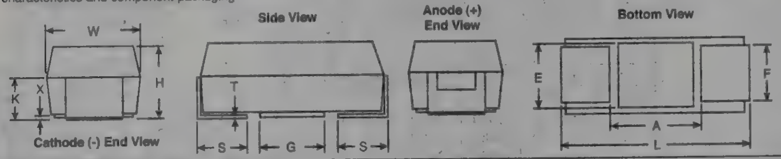
Features:

- Meets or exceeds EIA Standard 535BAAC
- taped and Reeled per EIA 481-1
- Symmetrical, Compliant Terminations
- Optional Gold Plated Terminations
- Laser-marked Case
- Refer to KEMET F3102 for performance characteristics and component packaging
- Capacitance: 1.0μF to 330μF
- Tolerance: ±10%, ±20%
- Voltage: 4 - 50 VDC
- Halogen Free Epoxy
- 100% Surge Current test on U, V case sizes



RoHS Compliant





Case Size		Component - Dimensions: mm (in.)										
KEMET	EIA	L	W	H Max.	K Min.	F ±0.1	S ±0.3	X (Ref)	T (Ref)	A (Min)	G (Ref)	E (Ref)
R	2012-12	2.0±0.2 (.079±.008)	1.3±0.2 (.015±.008)	1.2 (.047)	0.3 (.012)	0.9 (.035)	0.5 (.020)	0.05 (.002)	0.13 (.005)	0.8 (.031)	0.5 (.020)	0.8 (.031)
S	3216-12	3.2±0.2 (.126±.008)	1.6±0.2 (.063±.008)	1.2 (.047)	0.3 (.012)	1.2 (.047)	0.8 (.031)	0.05 (.002)	0.13 (.005)	0.8 (.031)	1.1 (.043)	1.3 (.051)
T	3528-12	3.5±0.2 (.138±.008)	2.8±0.2 (.110±.008)	1.2 (.047)	0.3 (.012)	2.2 (.087)	0.8 (.031)	0.05 (.002)	0.13 (.005)	1.1 (.043)	1.8 (.071)	2.2 (.087)
U	6032-15	6.0±0.3 (.236±.012)	3.2±0.3 (.126±.012)	1.5 (.059)	0.5 (.020)	2.2 (.087)	1.3 (.051)	0.05 (.002)	0.13 (.005)	2.5 (.098)	2.8 (.110)	2.4 (.094)
V	7343-20	7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	2.0 (.079)	0.09 (.035)	2.4 (.094)	1.3 (.051)	0.05 (.002)	0.13 (.005)	3.8 (.150)	3.5 (.138)	3.5 (.138)

T491 SERIES

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Case Code	Tol.±	Price Each			Reel Qty.	Price per Piece
					1	100	500		
4 Volt Rating at +85°C (2.7 Volt Rating at +125°C)									
80-T491S106K004	T491S106K004AT	10	S	10%	1.42	1.23	.61	2500	.55
80-T491T156K004	T491T156K004AT	15	T	10%	1.51	1.30	.65	2500	.59
80-T491T336M004	T491T336M004AT	33	T	20%	1.71	1.48	.74	2500	.66
80-T491U476K004	T491U476K004AT	47	U	10%	2.84	2.45	1.23	1000	1.08
80-T491V157K004	T491V157K004AT	150	V	10%	3.54	3.05	1.53	1000	1.35
80-T491V227K004	T491V227K004AT	220	V	10%	3.77	3.25	1.63	1000	1.43
80-T491V337M004	T491V337M004AT	330	V	20%	3.77	3.25	1.63	1000	1.43
6 Volt Rating at +85°C (4 Volt Rating at +125°C)									
80-T491S475K006	T491S475K006AT	4.7	S	10%	1.39	1.20	.60	2500	.54
80-T491T106K006	T491T106K006AT	10	T	10%	1.51	1.30	.65	2500	.59
80-T491U226K006	T491U226K006AT	22	U	10%	2.84	2.45	1.23	1000	1.08
80-T491T336M006	T491T336M006AT	33	T	20%	1.80	1.55	.77	2500	.70
80-T491U476M006	T491U476M006AT	47	U	20%	2.67	2.30	1.15	1000	1.02
80-T491V107K006	T491V107K006AT	100	V	10%	3.54	3.05	1.53	1000	1.35
10 Volt Rating at +85°C (7 Volt Rating at +125°C)									
80-T491S475K010	T491S475K010AT	4.7	S	10%	1.42	1.23	.61	2500	.55
80-T491T685K010	T491T685K010AT	6.8	T	10%	1.51	1.30	.65	2500	.59
80-T491T106K010	T491T106K010AT	10	T	10%	1.68	1.45	.73	2500	.65
80-T491U336K010	T491U336K010AT	33	U	10%	2.90	2.50	1.25	1000	1.10
80-T491V476K010	T491V476K010AT	47	V	10%	3.54	3.05	1.53	1000	1.35
80-T491V686K010	T491V686K010AT	68	V	10%	3.54	3.05	1.53	1000	1.35
80-T491V107K010	T491V107K010AT	100	V	10%	3.77	3.25	1.63	1000	1.43
16 Volt Rating at +85°C (10 Volt Rating at +125°C)									
80-T491S225K016	T491S225K016AT	2.2	S	10%	1.39	1.20	.60	2500	.54
80-T491T475K016	T491T475K016AT	4.7	T	10%	1.51	1.30	.65	2500	.59
80-T491U106K016	T491U106K016AT	10	U	10%	2.84	2.45	1.23	2500	1.08
80-T491U106M016	T491U106M016AT	10	U	20%	2.44	2.10	1.05	1000	.93
80-T491T106M016	T491T106M016AT	10	T	20%	1.71	1.48	.74	2500	.66
80-T491U226K016	T491U226K016AT	22	U	10%	2.90	2.50	1.25	1000	1.10
80-T491V476K016	T491V476K016AT	47	V	10%	3.54	3.05	1.53	1000	1.35
20 Volt Rating at +85°C (13 Volt Rating at +125°C)									
80-T491R105M020	T491R105M020AT	1.0	R	20%	1.11	.89	.83	2500	.80
80-T491U106K020	T491U106K020AT	10	U	10%	2.84	2.45	1.23	1000	1.08
80-T491V226K020	T491V226K020AT	22	V	10%	3.54	3.05	1.53	1000	1.35
80-T491V226M020	T491V226M020AT	22	V	20%	3.19	2.75	1.38	1000	1.21
25 Volt Rating at +85°C (17 Volt Rating at +125°C)									
80-T491V226K025	T491V226K025AT	22	V	10%	3.77	3.25	1.63	1000	1.43
35 Volt Rating at +85°C (23 Volt Rating at +125°C)									
80-T491V106K035	T491V106K035AT	10	V	10%	3.77	3.25	1.63	1000	1.43
50 Volt Rating at +85°C (33 Volt Rating at +125°C)									
80-T491V105M050	T491V105M050AT	1.0	V	20%	4.47	3.85	1.93	1000	1.70

T494 SERIES, LOW PROFILE

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Case Code	Tol.±	Price Each			Reel Qty.	Price per Piece
					1	100	500		
4 Volt (2.7 Volt Rating at +125°C)									
80-T494S106K004	T494S106K004AT	10	S	10%	1.50	1.20	.98	2500	.60
80-T494T156K004	T494T156K004AT	15	T	10%	1.63	1.30	1.06	2500	.65
80-T494T226K004	T494T226K004AT	22	T	10%	2.11	1.44	1.17	2500	.67
80-T494U336K004	T494U336K004AT	33	U	10%	3.19	2.55	2.07	1000	1.27
80-T494U476K004	T494U476K004AT	47	U	10%	3.19	2.55	2.07	1000	1.27
80-T494V157K004	T494V157K004AT	150	V	10%	3.97	3.17	2.58	1000	1.59

T494 SERIES, LOW PROFILE (CONT.)

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Case Code	Tol.±	Price Each			Reel Qty.	Price per Piece
					1	100	500		
6 Volt Rating at (4 Volt Rating at +125°C)									
80-T494S685K006	T494S685K006AT	6.8	S	10%	1.50	1.20	.98	2500	.60
80-T494T106K006	T494T106K006AT	10	T	10%	1.63	1.30	1.06	2500	.81
80-T494T156K006	T494T156K006AT	15	T	10%	1.80	1.17	.72	2500	.72
80-T494U226K006	T494U226K006AT	22	U	10%	3.19	2.07	1.27	1000	1.27
80-T494U336K006	T494U336K006AT	33	U	10%	3.19	2.07	1.27	1000	1.27
80-T494U476K006	T494U476K006AT	47	U	10%	3.25	2.60	2.11	1000	1.60
80-T494V107K006	T494V107K006AT	100	V	10%	3.97	3.17	2.58	1000	1.98
80-T494V227M006	T494V227M006AT	220	V	20%	4.06	3.25	2.64	1000	2.00
10 Volt Rating at (7 Volt Rating at +125°C)									
80-T494S335K010	T494S335K010AT	3.3	S	10%	1.50	1.20	.98	2500	.60
80-T494T685K010	T494T685K010AT	6.8	T	10%	1.63	1.30	1.06	2500	.60
80-T494T106K010	T494T106K010AT	10	T	10%	1.80	1.44	1.17	2500	.72
80-T494U226K010	T494U226K010AT	22	U	10%	3.19	2.55	2.07	1000	1.27
80-T494V336K010	T494V336K010AT	33	V	10%	3.97	3.17	2.58	1000	1.59
80-T494V476K010	T494V476K010AT	47	V	10%	3.97	3.17	2.58	1000	1.59
80-T494V686K010	T494V686K010AT	68	V	10%	3.97	3.17	2.58	1000	1.59
80-T494V107K010	T494V107K010AT	100	V	10%	4.23	3.38	2.75	1000	1.69
16 Volt Rating at (10 Volt Rating at +125°C)									
80-T494S225K016	T494S225K016AT	2.2	S	10%	1.50	1.20	.98	2500	.75
80-T494T475K016	T494T475K016AT	4.7	T	10%	1.63	1.06	.81	1000	.81
80-T494U106K016	T494U106K016AT	10	U	10%	3.19	2.07	1.27	1000	1.27
80-T494V476K016	T494V476K016AT	47	V	10%	3.97	2.58	1.98	1000	1.98
80-T494V107K016	T494V107K016AT	100	V	10%	4.42	2.87	1.77	1000	1.77
20 Volt Rating at +85°C (13 Volt Rating at +125°C)									
80-T494R105M020	T494R105M020AT	1.0	R	20%	1.39	1.11	.90	2500	.60
80-T494U685K020	T494U685K020AT	6.8	U	10%	3.19	2.07	1.27	1000	1.27
80-T494U106K020	T494U106K020AT	10	U	10%	3.19	2.07	1.59	1000	1.59
80-T494V336M020	T494V336M020AT	33	V	20%	3.84	2.49	1.53	1000	1.53
25 Volt Rating at +85°C (17 Volt Rating at +125°C)									
80-T494V226K025	T494V226K025AT	22	V	10%	4.23	2.75	1.69	1000	1.69
35 Volt Rating at +85°C (23 Volt Rating at +125°C)									
80-T494V106K035	T494V106K035AT	10	V	10%	4.23	2.75	1.69	1000	1.69
50 Volt Rating at +85°C (33 Volt Rating at +125°C)									
80-T494V105M050	T494V105M050AT	1.0	V	20%	4.81	3.13	1.93	1000	1.93

T495 SERIES, LOW PROFILE SMD, LOW ESR, INDUSTRIAL GRADE

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Case Code	Tol.±	Price Each			Reel Qty.	Price per Piece
					1	100	500		
6 Volt Rating at +85°C (4 Volt Rating at +125°C)									
80-T495V107K006	T495V107K006AT	100	V	10%	4.05	3.24	2.63	1000	2.03
10 Volt Rating at +85°C (7 Volt Rating at +125°C)									
80-T495V686K010	T495V686K010AT	68	V	10%	4.05	3.24	2.63	1000	2.03
80-T495V107K010	T495V107K010AT	100	V	10%	4.05	3.24	2.63	1000	2.03
80-T495V157M010	T495V157M010AT	150	V	20%	3.85	3.08	2.50	1000	1.54
16 Volt Rating at +85°C (10 Volt Rating at +125°C)									
80-T495T106M016	T495T106M016AT	10	T	20%	2.00	1.60	1.30	2500	.74
80-T495V686K016	T495V686K016AT	68	V	10%	3.95	3.16	2.57	1000	1.58

KEMET High Temperature Tantalum Chip Capacitors

The Capacitance Company KEMET CHARGED.

RoHS Compliant This page of product is compliant.

T498 SERIES HIGH TEMPERATURE (150°C) TANTALUM CHIP CAPACITORS

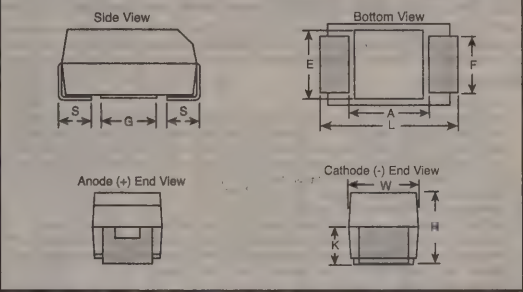
- 150°C Max. Temperature Capability
- Temperature/Voltage derating: 2/3 @ 150°C
- Self-healing mechanism
- Reliability: 0.5%/1000Hrs. @ Rated Voltage/Temp.
- 100% Accelerated steady state aging
- 100% Surge current testing
- RoHS Compliant

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Val. µF	Case Code	ESR Ω @+25°C 100kHz	Tol. ±	Price Each			7 Inch Reel Qty.	Price Per Piece
						1	10	100		
10 Volt Rating at +85°C (7 Volt Rating at +150°C)										
80-T498B156K10TE1K5	T498B156K010ATE1K5	15	B	1.5	10%	.53	.47	.43	2000	.27
80-T498B226K10TE1K5	T498B226K010ATE1K5	22	B	2.2	10%	.80	.70	.65	2000	.35
80-T498D107K10TE600	T498D107K010ATE600	100	D	10.0	10%	1.76	1.54	1.43	500	1.10
80-T498X227K10TE500	T498X227K010ATE500	220	X	22.0	10%	5.23	4.58	4.25	500	3.27
16 Volt Rating at +85°C (11 Volt Rating at +150°C)										
80-T498A105K16TE6K5	T498A105K016ATE6K5	1.0	A	0.5	10%	.36	.31	.29	2000	.16
80-T498A335K16TE3K4	T498A335K016ATE3K4	3.3	A	0.5	10%	.36	.31	.29	2000	.16
80-T498B475K16TE2K1	T498B475K016ATE2K1	4.7	B	0.8	10%	.48	.42	.39	2000	.21
80-T498A685K16TE2K6	T498A685K016ATE2K6	6.8	A	1.1	10%	.44	.38	.35	2000	.19
80-T498B685K16TE1K8	T498B685K016ATE1K8	6.8	B	1.1	10%	.48	.42	.39	2000	.21
80-T498B106K16TE2K8	T498B106K016ATE2K8	10	B	1.6	10%	.53	.47	.43	2000	.23
80-T498D476K16TE600	T498D476K016ATE600	47	D	7.5	10%	1.04	.91	.85	500	.65
25 Volt Rating at +85°C (17 Volt Rating at +150°C)										
80-T498A474K25TE8K5	T498A474K025ATE8K5	0.47	A	0.5	10%	.36	.31	.29	2000	.16
80-T498B225K25TE3K0	T498B225K025ATE3K0	2.2	B	0.6	10%	.53	.47	.43	2000	.23
80-T498C106K25TE1K1	T498C106K025ATE1K1	10	C	2.5	10%	1.01	.88	.82	500	.63
80-T498D156K25TE700	T498D156K025ATE700	15	D	3.8	10%	1.04	.91	.85	500	.65
80-T498D226K25TE600	T498D226K025ATE600	22	D	5.5	10%	1.44	1.26	1.17	500	.90
80-T498D336K25TE600	T498D336K025ATE600	33	D	8.3	10%	4.23	3.70	3.44	500	2.64
35 Volt Rating at +85°C (24 Volt Rating at +150°C)										
80-T498A105K35TE10K	T498A105K035ATE10K	1.0	A	0.5	10%	.44	.38	.35	2000	.19
80-T498D106K35TE700	T498D106K035ATE700	10	D	3.5	10%	1.04	.91	.85	500	.65
80-T498X226K35TE500	T498X226K035ATE500	22	X	7.7	10%	4.23	3.70	3.44	500	2.64
80-T498X336K35TE500	T498X336K035ATE500	33	X	11.6	10%	5.23	4.58	4.25	500	3.27
50 Volt Rating at +85°C (34 Volt Rating at +150°C)										
80-T498D106K50TE1K0	T498D106K050ATE1K0	10	D	5.0	10%	2.93	2.56	2.38	500	1.83

Dimensions: mm (in.)



Case Size		T498 & T499 Components								
KEMET	EIA	L	W	H	K ±.20 (.008)	F ±0.1 (.004)	S ±0.3 (.012)	A (Min)	G (Ref)	E (Ref)
A	3216-18	3.2 (.126)	1.6 (.063)	1.6 (.063)	0.9 (.035)	1.2 (.047)	0.8 (.031)	1.4 (.031)	1.1 (.043)	1.3 (.051)
B	3528-21	3.5 (.138)	2.8 (.110)	1.9 (.075)	1.1 (.043)	2.2 (.087)	0.8 (.031)	2.1 (.043)	1.8 (.071)	2.2 (.087)
C	6032-28	6.0 (.236)	3.2 (.126)	2.5 (.098)	1.4 (.055)	2.2 (.087)	1.3 (.051)	3.1 (.098)	2.8 (.110)	2.4 (.094)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)	1.5 (.059)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5 (.138)	3.5 (.138)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)	2.3 (.091)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5 (.138)	3.5 (.138)

The Capacitance Company KEMET CHARGED.

T499 SERIES HIGH TEMPERATURE (175°C) TANTALUM CHIP CAPACITORS

- 175°C Max. Temperature Capability
- Derating: 0.5Vr @ 175°C
- Self-healing mechanism
- Various termination options
- 100% Accelerated steady state aging
- 100% Surge current testing
- EIA standard case size
- Pb-free/RoHS Compliant

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value µF	Case Code	ESR Ω @+25°C 100kHz	Tol. ± (Max.)	Price Each			7 Inch Reel Qty.	Price Per Piece
						1	10	100		
6.3 Volt Rating at +85°C (3 Volt Rating at +175°C)										
80-T499B106K6TE3K5	T499B106K006ATE3K5	10	B	3.5	10%	.65	.56	.27	2000	.27
80-T499B226K6TE3K5	T499B226K006ATE3K5	22	B	3.5	10%	.73	.62	.30	2000	.29
80-T499B336K6TE3K0	T499B336K006ATE3K0	33	B	3	10%	1.09	.93	.45	2000	.44
80-T499C476K6TE1K8	T499C476K006ATE1K8	47	C	1.8	10%	1.38	1.18	.57	500	.56
80-T499C686K6TE1K2	T499C686K006ATE1K2	68	C	1.2	10%	1.73	1.48	.71	500	.70
80-T499D686K6TE800	T499D686K006ATE800	68	D	0.8	10%	1.96	1.68	.81	500	.80
80-T499D107K6TE800	T499D107K006ATE800	100	D	0.8	10%	1.96	1.68	.81	500	.80
10 Volt Rating at +85°C (5 Volt Rating at +175°C)										
80-T499A225K10TE8K0	T499A225K010ATE8K0	2.2	A	8	10%	.49	.42	.20	2000	.19
80-T499A335K10TE6K0	T499A335K010ATE6K0	3.3	A	6	10%	.49	.42	.20	2000	.20
80-T499A475K10TE6K0	T499A475K010ATE6K0	4.7	A	6	10%	.49	.42	.20	2000	.20
80-T499B475K10TE3K5	T499B475K010ATE3K5	4.7	B	3.5	10%	.65	.56	.27	2000	.27
80-T499B106K10TE3K5	T499B106K010ATE3K5	10	B	3.5	10%	.65	.56	.27	2000	.27
80-T499B226K10TE3K0	T499B226K010ATE3K0	22	B	3	10%	1.09	.93	.45	2000	.44
80-T499D476K10TE800	T499D476K010ATE800	47	D	0.8	10%	1.96	1.68	.81	500	.80
80-T499D107K10TE700	T499D107K010ATE700	100	D	0.7	10%	2.40	2.05	.99	500	.97
80-T499X227K10TE500	T499X227K010ATE500	220	X	0.5	10%	7.15	6.13	2.94	500	2.90
16 Volt Rating at +85°C (8 Volt Rating at +175°C)										
80-T499A105K16TE10K	T499A105K016ATE10K	1.0	A	10	10%	.49	.42	.20	2000	.20
80-T499A225K16TE6K0	T499A225K016ATE6K0	2.2	A	6	10%	.49	.42	.20	2000	.20
80-T499B475K16TE6K0	T499B475K016ATE6K0	4.7	B	6	10%	.65	.56	.27	2000	.27
80-T499B106K16TE3K5	T499B106K016ATE3K5	10	B	3.5	10%	.73	.62	.30	2000	.29
80-T499D476K16TE800	T499D476K016ATE800	47	D	0.8	10%	1.96	1.68	.81	500	.80
25 Volt Rating at +85°C (10 Volt Rating at +175°C)										
80-T499A105K20TE10K	T499A105K020ATE10K	1.0	A	10	10%	.49	.42	.20	2000	.20
80-T499B225K20TE3K5	T499B225K020ATE3K5	2.2	B	3.5	10%	.65	.56	.27	2000	.27
80-T499B335K20TE3K5	T499B335K020ATE3K5	3.3	B	3.5	10%	.65	.56	.27	2000	.27
80-T499B475K20TE3K5	T499B475K020ATE3K5	4.7	B	3.5	10%	.65	.56	.27	2000	.27
80-T499C106K20TE1K8	T499C106K020ATE1K8	10	C	1.8	10%	1.27	1.09	.52	500	.52
80-T499D226K20TE800	T499D226K020ATE800	22	D	0.8	10%	1.96	1.68	.81	500	.80
25 Volt Rating at +85°C (12.5 Volt Rating at +175°C)										
80-T499A474K25TE14K	T499A474K025ATE14K	0.47	A	14	10%	.49	.42	.20	2000	.20
80-T499A105K25TE8K0	T499A105K025ATE8K0	1.0	A	8	10%	.53	.45	.22	2000	.22
80-T499B225K25TE4K5	T499B225K025ATE4K5	2.2	B	4.5	10%	.73	.62	.30	2000	.29
80-T499C106K25TE1K5	T499C106K025ATE1K5	10	C	1.5	10%	1.38	1.18	.57	500	.56
80-T499D226K25TE800	T499D226K025ATE800	22	D	0.8	10%	1.96	1.68	.81	500	.80
80-T499D336K25TE700	T499D336K025ATE700	33	D	0.7	10%	5.77	4.95	2.38	500	2.34
35 Volt Rating at +85°C (17.5 Volt Rating at +175°C)										
80-T499A334K35TE15K	T499A334K035ATE15K	0.33	A	15	10%	.49	.42	.20	2000	.20
80-T499A105K35TE10K	T499A105K035ATE10K	1.0	A	10	10%	.60	.51	.24	2000	.24
80-T499B105K35TE5K0	T499B105K035ATE5K0	1.0	B	5	10%	.65	.56	.27	2000	.27
80-T499C335K35TE2K5	T499C335K035ATE2K5	3.3	C	2.5	10%	1.27	1.09	.52	500	.52
80-T499C475K35TE2K5	T499C475K035ATE2K5	4.7	C	2.5	10%	1.38	1.18	.57	500	.56
80-T499D106K35TE1K0	T499D106K035ATE1K0	10	D	1	10%	1.96	1.68	.81	500	.80
80-T499X226K35TE700	T499X226K035ATE700	22	X	0.7	10%	5.77	4.95	2.38	500	2.34
80-T499X336K35TE600	T499X336K035ATE600	33	X	0.6	10%	7.15	6.13	2.94	500	2.90
50 Volt Rating at +85°C (25 Volt Rating at +175°C)										
80-T499D335K50TE2K0	T499D335K050ATE2K0	3.3	D	2	10%	3.20	2.74	1.31	500	1.30
80-T499D106K50TE1K0	T499D106K050ATE1K0	10	D	1	10%	3.99	3.42	1.64	500	1.62

KEMET Tantalum Chip Capacitors

The Capacitance Company
KEMET
CHARGED.

RoHS Compliant **This page of product is compliant.**

The Capacitance Company
KEMET
CHARGED.

T491 SERIES SOLID TANTALUM CHIP CAPACITORS

KEMET's family of solid tantalum chip capacitors is designed and manufactured with the demanding requirements of surface mount technology in mind. These devices extend the advantages of solid tantalum technology to today's surface mount circuit applications. Complementing multilayer ceramic chip convenience with capacitance ratings through 1000 µF, tantalum chip capacitors permit circuit designers to take full advantage of the benefits of surface mount technology.

T491 series are industrial grade solid chip capacitors. The standard solder-coated terminations provide excellent wetting characteristics and compatibility with today's surface mount solder systems. The symmetrical terminations offer total compliancy to provide the thermal and mechanical stress relief required in today's technology. Lead frame attachments to the tantalum pellet are made via a microprocessor-controlled welding operation, and a high temperature silver epoxy adhesive system. Standard packaging of these devices is tape and reel in accordance with EIA 481-1. This system provides perfect compatibility with all tape-fed placement units.

Specifications:

- **General Application Class:**
  Solid tantalum capacitors are usually applied in circuits where the AC component is small compared to the DC component. Typical uses include blocking, by-passing, decoupling, and filtering. They are also used in timing circuits. If two of these polar capacitors are connected "back-to-back" (i.e., negative-to-negative or positive-to-positive), the pair may be used in AC application (as a non-polar device).
- **Operating Temperature Range:** -55°C to +125°C
- **Non-Operating Temperature Range:** -55°C to +125°C
  Tantalum capacitors do not lose capacitance from the "de-forming" effect as do liquid-electrolytic capacitors. Storage at high temperature may cause a small, temporary increase in leakage current (measured under standard conditions), but the original value is usually restored within a few minutes after application of rated voltage.
- **Capacitance:** 0.1µF to 1000µF
  Capacitance is measured at 120Hz, up to 1.0 volt rms maximum and up to 2.5 volts DC maximum, at +25°C. DC bias causes only a small reduction in capacitance up to about 2% when full rated voltage is applied.

Features:

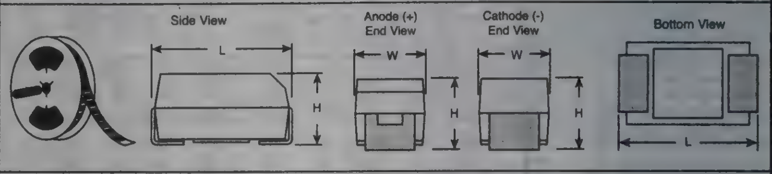
- Meets or Exceeds EIA Standard 535BAAC
- Taped and Reeled per EIA 481-1
- Symmetrical, Compliant Terminations
- Optional Gold-plated Terminations
- Laser-marked case
- 100% Surge current test on C, D, X sizes
- Tolerance: ±10%, ± 20%
- Extended Range Values

RoHS Compliant

Application Note:

- A higher voltage capacitor may be used in a lower voltage application.

DIMENSIONS: mm (in.)



Standard

Case Code	EIA Code	L	W	H
A	3216-18	3.2 (.126)	1.6 (.063)	1.6 (.063)
B	3528-21	3.5 (.138)	2.8 (.110)	1.9 (.075)
C	6032-28	6.0 (.236)	3.2 (1.26)	2.5 (.098)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)
E	7260-38	7.3 (.287)	6.0 (.236)	3.6 (.142)

Notes: 1. Metric dimensions govern. 2. Mil-C-55365/8 Specified Dimensions

For case sizes, tolerances, voltages, values and optional features not in the Mouser catalog, please contact a Mouser Sales Representative.

For quantities of 500 and up, call for quote.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		7 Inch Reel Qty.	Price Per Piece
					1	10		
4 Volt Rating @ 85°C (2.7 Volt Rating @125°C)								
80-T491A335K004	T491A335K004AT	3.3	A	10%	.20	.18	2000	.09
80-T491A475K004	T491A475K004AT	4.7	A	10%	.20	.18	2000	.09
80-T491A685K004	T491A685K004AT	6.8	A	10%	.20	.18	2000	.09
80-T491B106K004	T491B106K004AT	10	B	10%	.30	.26	2000	.13
80-T491A106K004	T491A106K004AT	10	A	10%	.20	.18	2000	.09
80-T491B156K004	T491B156K004AT	15	B	10%	.30	.26	2000	.13
80-T491A156K004	T491A156K004AT	15	A	10%	.20	.18	2000	.09
80-T491B226K004	T491B226K004AT	22	B	10%	.30	.26	2000	.13
80-T491B336K004	T491B336K004AT	33	B	10%	.31	.27	2000	.13
80-T491A336K004	T491A336K004AT	33	A	10%	.25	.22	2000	.11
80-T491A476M004	T491A476M004AT	47	A	20%	.41	.35	2000	.18
80-T491B476K004	T491B476K004AT	47	B	10%	.41	.35	2000	.18
80-T491C476K004	T491C476K004AT	47	C	10%	.42	.36	500	.18
80-T491D686K004	T491D686K004AT	68	D	10%	.69	.60	500	.30
80-T491A686K004	T491A686K004AT	68	A	10%	.58	.50	2000	.25
80-T491B107M004	T491B107M004AT	100	B	20%	.49	.43	2000	.21
80-T491A107M004	T491A107M004AT	100	A	20%	.55	.48	2000	.24
80-T491C107K004	T491C107K004AT	100	C	10%	.55	.48	500	.24
80-T491D107K004	T491D107K004AT	100	D	10%	.69	.60	500	.30
80-T491D157K004	T491D157K004AT	150	D	10%	.69	.60	500	.30
80-T491B157M004	T491B157M004AT	150	B	20%	1.07	.93	2000	.46
80-T491D337K004	T491D337K004AT	330	D	10%	1.06	.92	500	.46
80-T491D477K004	T491D477K004AT	470	D	10%	1.47	1.27	500	.63
80-T491D687M004	T491D687M004AT	680	D	20%	5.37	4.63	500	2.31
80-T491E108M004	T491E108M004AT	1000	E	20%	11.02	9.50	500	4.75
80-T491X108M004	T491X108M004AT	1000	X	20%	6.96	6.00	500	3.00
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C)								
80-T491A225K006	T491A225K006AT	2.2	A	10%	.17	.15	2000	.09
80-T491A335K006	T491A335K006AT	3.3	A	10%	.20	.18	2000	.09
80-T491A475K006	T491A475K006AT	4.7	A	10%	.20	.18	2000	.09
80-T491B685K006	T491B685K006AT	6.8	B	10%	.30	.26	2000	.13
80-T491A106K006	T491A106K006AT	10	A	10%	.15	.14	2000	.08
80-T491B106K006	T491B106K006AT	10	B	10%	.23	.20	2000	.10
80-T491A156K006	T491A156K006AT	15	A	10%	.21	.19	2000	.09
80-T491B226K006	T491B226K006AT	22	B	10%	.28	.24	2000	.12
80-T491C226K006	T491C226K006AT	22	C	10%	.38	.33	500	.17
80-T491B336K006	T491B336K006AT	33	B	10%	.35	.30	2000	.15
80-T491C336K006	T491C336K006AT	33	C	10%	.42	.36	500	.18
80-T491B476K006	T491B476K006AT	47	B	10%	.38	.33	2000	.17
80-T491C476K006	T491C476K006AT	47	C	10%	.42	.36	500	.18
80-T491D686K006	T491D686K006AT	68	D	10%	.63	.54	500	.27
80-T491C686K006	T491C686K006AT	68	C	10%	.52	.45	500	.22
80-T491B686K006	T491B686K006AT	68	B	10%	.49	.43	2000	.21
80-T491C107K006	T491C107K006AT	100	C	10%	.52	.45	500	.23
80-T491D107K006	T491D107K006AT	100	D	10%	.63	.54	500	.27
80-T491B107M006	T491B107M006AT	100	B	20%	.55	.48	2000	.24
80-T491D157K006	T491D157K006AT	150	D	10%	.77	.66	500	.33
80-T491D227K006	T491D227K006AT	220	D	10%	1.00	.86	500	.43
80-T491X227K006	T491X227K006AT	220	X	10%	1.91	1.65	500	.83
80-T491D337K006	T491D337K006AT	330	D	10%	1.40	1.21	500	.61
80-T491X337K006	T491X337K006AT	330	X	10%	2.34	2.02	500	1.01
80-T491X477K006	T491X477K006AT	470	X	10%	2.77	2.39	500	1.19
80-T491E687M006	T491E687M006AT	680	E	20%	11.02	9.50	500	4.75
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C)								
80-T491A155K010	T491A155K010AT	1.5	A	10%	.20	.18	2000	.09
80-T491A225K010	T491A225K010AT	2.2	A	10%	.17	.15	2000	.08
80-T491A335K010	T491A335K010AT	3.3	A	10%	.19	.16	2000	.08
80-T491A475K010	T491A475K010AT	4.7	A	10%	.15	.14	2000	.08
80-T491B475K010	T491B475K010AT	4.7	B	10%	.23	.20	2000	.10
80-T491B475M010	T491B475M010AT	4.7	B	20%	.23	.20	2000	.10
80-T491A685K010	T491A685K010AT	6.8	A	10%	.19	.16	2000	.08
80-T491B685K010	T491B685K010AT	6.8	B	10%	.25	.22	2000	.11
80-T491B685M010	T491B685M010AT	6.8	B	20%	.25	.22	2000	.11
80-T491A106K010	T491A106K010AT	10	A	10%	.16	.14	2000	.08
80-T491B106K010	T491B106K010AT	10	B	10%	.20	.18	2000	.10
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C) - Cont.								
80-T491B106M010	T491B106M010AT	10	B	20%	.23	.20	2000	.10
80-T491C106K010	T491C106K010AT	10	C	10%	.42	.36	500	.18
80-T491B156K010	T491B156K010AT	15	B	10%	.28	.24	2000	.12
80-T491A156K010	T491A156K010AT	15	A	10%	.20	.18	2000	.09
80-T491C156K010	T491C156K010AT	15	C	10%	.38	.33	500	.17
80-T491C156M010	T491C156M010AT	15	C	20%	.38	.33	500	.17
80-T491A226M010	T491A226M010AT	22	A	20%	.24	.22	2000	.12
80-T491B226K010	T491B226K010AT	22	B	10%	.27	.24	2000	.12
80-T491B226M010	T491B226M010AT	22	B	20%	.31	.27	2000	.13
80-T491C226K010	T491C226K010AT	22	C	10%	.37	.32	500	.16
80-T491C226M010	T491C226M010AT	22	C	20%	.37	.32	500	.16
80-T491B336K010	T491B336K010AT	33	B	10%	.38	.33	2000	.17
80-T491C336K010	T491C336K010AT	33	C	10%	.42	.36	500	.18
80-T491C336M010	T491C336M010AT	33	C	20%	.42	.36	500	.18
80-T491B476M010	T491B476M010AT	47	B	20%	.49	.43	2000	.21
80-T491C476K010	T491C476K010AT	47	C	10%	.52	.45	500	.22
80-T491C476M010	T491C476M010AT	47	C	20%	.52	.45	500	.22
80-T491D476K010	T491D476K010AT	47	D	10%	.58	.50	500	.25
80-T491D476M010	T491D476M010AT	47	D	20%	.58	.50	500	.25
80-T491B686M010	T491B686M010AT	68	B	20%	1.07	.93	2000	.46
80-T491D686K010	T491D686K010AT	68	D	10%	.63	.54	500	.27
80-T491C686K010	T491C686K010AT	68	C	10%	.64	.55	500	.28
80-T491D107K010	T491D107K010AT	100	D	10%	.67	.58	500	.29
80-T491D107M010	T491D107M010AT	100	D	20%	.67	.58	500	.29
80-T491D157K010	T491D157K010AT	150	D	10%	1.00	.86	500	.43
80-T491X157K010	T491X157K010AT	150	X	10%	1.91	1.65	500	.83
80-T491D227K010	T491D227K010AT	220	D	10%	1.40	1.21	500	.61
80-T491X227K010	T491X227K010AT	220	X	10%	2.34	2.02	500	1.01
80-T491D337M010	T491D337M010AT	330	D	20%	2.90	2.50	500	1.25
80-T491X337K010	T491X337K010AT	330	X	10%	2.77	2.39	500	1.19
80-T491E477M010	T491E477M010AT	470	E	20%	11.02	9.50	500	4.75
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T491A105K016	T491A105K016AT	1.0	A	10%	.15	.14	2000	.08
80-T491A155K016	T491A155K016AT	1.5	A	10%	.20	.18	2000	.09
80-T491A225K016	T491A225K016AT	2.2	A	10%	.15	.14	2000	.08
80-T491A335K016	T491A335K016AT	3.3	A	10%	.19	.16	2000	.08
80-T491B335K016	T491B335K016AT	3.3	B	10%	.25	.22	2000	.11
80-T491B335M016	T491B335M016AT	3.3	B	20%	.25	.22	2000	.11
80-T491A475K016	T491A475K016AT	4.7	A	10%	.16	.14	2000	.08
80-T491B475K016	T491B475K016AT	4.7	B	10%	.23	.20	2000	.10
80-T491B475M016	T491B475M016AT	4.7	B	20%	.23	.20	2000	.10
80-T491B685K016	T491B685K016AT	6.8	B	10%	.25	.22	2000	.11
80-T491A106K016	T491A106K016AT	10	A	10%	.17	.15	2000	.07
80-T491B106K016	T491B106K016AT	10	B	10%	.23	.20	2000	.11
80-T491B106M016	T491B106M016AT	10	B	20%	.23	.20	2000	.11
80-T491C106K016	T491C106K016AT	10	C	10%	.32	.28	500	.14
80-T491C106M016	T491C106M016AT	10	C	20%	.32	.28	500	.14
80-T491B156K016	T491B156K016AT	15	B	10%	.38	.33	2000	.17
80-T491C156K016	T491C156K016AT	15	C	10%	.38	.33	500	.17
80-T491B226K016	T491B226K016AT	22	B	10%	.35	.32	2000	.15
80-T491C226K016	T491C226K016AT	22	C	10%	.39	.34	500	.17
80-T491C226M016	T491C226M016AT	22	C	20%	.39	.34	500	.29
80-T491D226K016	T491D226K016AT	22	D	10%	.58	.50	500	.25
80-T491D226M016	T491D226M016AT	22	D	20%	.58	.50	500	.25
80-T491C336K016	T491C336K016AT	33	C	10%	.52	.45	500	.22
80-T491D336K016	T491D336K016AT	33	D	10%	.58	.50	500	.25
80-T491D336M016	T491D336M016AT	33	D	20%	.58	.50	500	.25
80-T491C476K016	T491C476K016AT	47	C	10%	.52	.45	500	.22
80-T491D476K016	T491D476K016AT	47	D	10%	.50	.45	500	.23
80-T491D686K016	T491D686K016AT	68	D	10%	.73	.63	500	.31
80-T491D107K016	T491D107K016AT	100	D	10%	.83	.74	500	.41
80-T491X107K016	T491X107K016AT	100	X	10%	1.91	1.65	500	.83
80-T491D157K016	T491D157K016AT	150	D	10%	1.40	1.21	500	.61
80-T491X157K016	T491X157K016AT	150	X	10%	2.34	2.02	500	1.01

KEMET Tantalum Chip Capacitors and Low ESR

The Capacitance Company
KEMET
CHARGED.

RoHS Compliant **This page of product is compliant.**

T491 SERIES TANTALUM CHIP CAPACITORS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		7 Inch Reel Qty.	Price Per Piece
					1	10		
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T491A684K020	T491A684K020AT	0.68	A	10%	.20	.18	2000	.07
80-T491A105K020	T491A105K020AT	1.0	A	10%	.15	.13	2000	.06
80-T491A155K020	T491A155K020AT	1.5	A	10%	.20	.18	2000	.07
80-T491A225K020	T491A225K020AT	2.2	A	10%	.19	.16	2000	.064
80-T491B225K020	T491B225K020AT	2.2	B	10%	.23	.20	2000	.08
80-T491A335K020	T491A335K020AT	3.3	A	10%	.20	.18	2000	.07
80-T491B335K020	T491B335K020AT	3.3	B	10%	.25	.22	2000	.086
80-T491A475K020	T491A475K020AT	4.7	A	10%	.23	.20	2000	.08
80-T491B475K020	T491B475K020AT	4.7	B	10%	.23	.20	2000	.10
80-T491C475K020	T491C475K020AT	4.7	C	10%	.42	.36	500	.16
80-T491B685K020	T491B685K020AT	6.8	B	10%	.28	.24	2000	.096
80-T491C685K020	T491C685K020AT	6.8	C	10%	.38	.33	500	.15
80-T491B106K020	T491B106K020AT	10	B	10%	.32	.28	2000	.139
80-T491C106K020	T491C106K020AT	10	C	10%	.37	.32	500	.14
80-T491C106M020	T491C106M020AT	10	C	20%	.37	.32	500	.14
80-T491C156K020	T491C156K020AT	15	C	10%	.42	.36	500	.16
80-T491D156K020	T491D156K020AT	15	D	10%	.69	.60	500	.27
80-T491C226K020	T491C226K020AT	22	C	10%	.52	.45	500	.20
80-T491D226K020	T491D226K020AT	22	D	10%	.58	.50	500	.22
80-T491C336M020	T491C336M020AT	33	C	20%	.69	.60	500	.27
80-T491D336K020	T491D336K020AT	33	D	10%	.58	.50	500	.22
80-T491D476K020	T491D476K020AT	47	D	10%	.67	.58	500	.26
80-T491D686K020	T491D686K020AT	68	D	10%	1.40	1.21	500	.54
80-T491X686K020	T491X686K020AT	68	X	10%	1.91	1.65	500	.73
80-T491X107K020	T491X107K020AT	100	X	10%	2.34	2.02	500	.89
80-T491X107M020	T491X107M020AT	100	X	20%	2.34	2.02	500	.89
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T491A334K025	T491A334K025AT	0.33	A	10%	.20	.18	2000	.07
80-T491A474K025	T491A474K025AT	0.47	A	10%	.20	.18	2000	.07
80-T491A684K025	T491A684K025AT	0.68	A	10%	.20	.18	2000	.07
80-T491A105K025	T491A105K025AT	1.0	A	10%	.16	.14	2000	.068
80-T491B105K025	T491B105K025AT	1.0	B	10%	.23	.20	2000	.104
80-T491A155K025	T491A155K025AT	1.5	A	10%	.21	.19	2000	.09
80-T491B155K025	T491B155K025AT	1.5	B	10%	.25	.22	2000	.086
80-T491B225K025	T491B225K025AT	2.2	B	10%	.28	.24	2000	.096
80-T491C225K025	T491C225K025AT	2.2	C	10%	.38	.33	500	.16
80-T491B335K025	T491B335K025AT	3.3	B	10%	.38	.33	2000	.132
80-T491C335K025	T491C335K025AT	3.3	C	10%	.38	.33	500	.15
80-T491B475K025	T491B475K025AT	4.7	B	10%	.41	.35	2000	.14
80-T491C475K025	T491C475K025AT	4.7	C	10%	.37	.32	500	.14
80-T491C475M025	T491C475M025AT	4.7	C	20%	.37	.32	500	.14
80-T491B685K025	T491B685K025AT	6.8	B	10%	.55	.48	2000	.19
80-T491C685K025	T491C685K025AT	6.8	C	10%	.42	.36	500	.16
80-T491C106K025	T491C106K025AT	10	C	10%	.34	.30	500	.15
80-T491C106M025	T491C106M025AT	10	C	20%	.39	.34	500	.15
80-T491D106K025	T491D106K025AT	10	D	10%	.48	.43	500	.22
80-T491C156K025	T491C156K025AT	15	C	10%	.55	.48	500	.21
80-T491D156K025	T491D156K025AT	15	D	10%	.63	.54	500	.23
80-T491C226K025	T491C226K025AT	22	C	10%	.73	.63	500	.28
80-T491D226K025	T491D226K025AT	22	D	10%	.57	.49	500	.22
80-T491X336K025	T491X336K025AT	33	X	10%	1.91	1.65	500	.73
80-T491X476K025	T491X476K025AT	47	X	10%	2.34	2.02	500	.89
80-T491X686M025	T491X686M025AT	68	X	20%	2.34	2.02	500	.89

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		7 Inch Reel Qty.	Price Per Piece
					1	10		
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T491A104K035	T491A104K035AT	0.10	A	10%	.18	.16	2000	.07
80-T491A154K035	T491A154K035AT	0.15	A	10%	.20	.18	2000	.07
80-T491A224K035	T491A224K035AT	0.22	A	10%	.20	.18	2000	.07
80-T491A334K035	T491A334K035AT	0.33	A	10%	.20	.18	2000	.07
80-T491A474K035	T491A474K035AT	0.47	A	10%	.21	.18	2000	.073
80-T491B474K035	T491B474K035AT	0.47	B	10%	.30	.26	2000	.104
80-T491A684K035	T491A684K035AT	0.68	A	10%	.21	.18	2000	.073
80-T491B684K035	T491B684K035AT	0.68	B	10%	.30	.26	2000	.104
80-T491A105K035	T491A105K035AT	1.0	A	10%	.19	.17	2000	.09
80-T491B105K035	T491B105K035AT	1.0	B	10%	.20	.18	2000	.08
80-T491B105M035	T491B105M035AT	1.0	B	20%	.23	.20	2000	.08
80-T491B155K035	T491B155K035AT	1.5	B	10%	.28	.24	2000	.096
80-T491C155K035	T491C155K035AT	1.5	C	10%	.38	.33	500	.15
80-T491B225K035	T491B225K035AT	2.2	B	10%	.38	.33	2000	.15
80-T491C225K035	T491C225K035AT	2.2	C	10%	.38	.33	500	.15
80-T491C225M035	T491C225M035AT	2.2	C	20%	.38	.33	500	.15
80-T491B335K035	T491B335K035AT	3.3	B	10%	.41	.35	2000	.14
80-T491C335K035	T491C335K035AT	3.3	C	10%	.38	.33	500	.15
80-T491C335M035	T491C335M035AT	3.3	C	20%	.38	.33	500	.15
80-T491C475K035	T491C475K035AT	4.7	C	10%	.39	.34	500	.15
80-T491D475M035	T491D475M035AT	4.7	D	20%	.63	.54	500	.24
80-T491C685K035	T491C685K035AT	6.8	C	10%	.55	.48	500	.21
80-T491D685K035	T491D685K035AT	6.8	D	10%	.63	.54	500	.21
80-T491D106K035	T491D106K035AT	10	D	10%	.48	.43	500	.22
80-T491D156K035	T491D156K035AT	15	D	10%	.77	.66	500	.30
80-T491D156M035	T491D156M035AT	15	D	20%	.77	.66	500	.30
80-T491X156K035	T491X156K035AT	15	X	10%	1.91	1.65	500	.73
80-T491X226K035	T491X226K035AT	22	X	10%	1.65	1.57	500	.66
80-T491X226M035	T491X226M035AT	22	X	20%	1.91	1.65	500	.73
80-T491X336K035	T491X336K035AT	33	X	10%	2.34	2.02	500	.89
80-T491X476K035	T491X476K035AT	47	X	10%	2.77	2.39	500	1.05
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T491A104K050	T491A104K050AT	0.10	A	10%	.25	.22	2000	.086
80-T491A154K050	T491A154K050AT	0.15	A	10%	.27	.23	2000	.092
80-T491B224K050	T491B224K050AT	0.22	B	10%	.37	.32	2000	.126
80-T491B334K050	T491B334K050AT	0.33	B	10%	.37	.32	2000	.126
80-T491B474K050	T491B474K050AT	0.47	B	10%	.41	.35	2000	.14
80-T491C474K050	T491C474K050AT	0.47	C	10%	.52	.45	500	.20
80-T491B684K050	T491B684K050AT	0.68	B	10%	.53	.46	2000	.182
80-T491C684K050	T491C684K050AT	0.68	C	10%	.52	.45	500	.20
80-T491C105K050	T491C105K050AT	1.0	C	10%	.52	.45	500	.20
80-T491D155K050	T491D155K050AT	1.5	D	10%	.85	.73	500	.33
80-T491C155K050	T491C155K050AT	1.5	C	10%	.56	.48	500	.22
80-T491D225K050	T491D225K050AT	2.2	D	10%	.78	.68	500	.30
80-T491C225K050	T491C225K050AT	2.2	C	10%	.68	.59	500	.26
80-T491D335K050	T491D335K050AT	3.3	D	10%	.78	.68	500	.30
80-T491D475K050	T491D475K050AT	4.7	D	10%	.78	.68	500	.30
80-T491D475M050	T491D475M050AT	4.7	D	20%	.78	.68	500	.30
80-T491X685K050	T491X685K050AT	6.8	X	10%	2.40	2.07	500	.91
80-T491D685K050	T491D685K050AT	6.8	D	10%	.96	.83	500	.37
80-T491X106M050	T491X106M050AT	10	X	20%	2.92	2.52	500	1.11
80-T491X156K050	T491X156K050AT	15	X	10%	2.92	2.52	500	1.11

The Capacitance Company
KEMET
CHARGED.

T494 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, INDUSTRIAL GRADE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		7 Inch Reel Qty.	Price Per Piece
					1	10		
3 Volt Rating @ 85°C (2 Volt Rating @ 125°C)								
80-T494A336K003	T494A336K003AT	33	A	10%	.75	.60	2000	.49
4 Volt Rating @ 85°C (2.7 Volt Rating @ 125°C)								
80-T494A475K004	T494A475K004AT	4.7	A	10%	.60	.48	2000	.39
80-T494A685K004	T494A685K004AT	6.8	A	10%	.60	.48	2000	.39
80-T494B106K004	T494B106K004AT	10	B	10%	.83	.66	2000	.54
80-T494C107K004	T494C107K004AT	100	C	10%	1.63	1.30	500	1.06
80-T494D337K004	T494D337K004AT	330	D	10%	3.48	2.78	500	2.26
80-T494X108K004	T494X108K004AT	1000	X	10%	10.33	8.26	500	6.71
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C)								
80-T494A106K006	T494A106K006AT	10	A	10%	.65	.52	2000	.42
80-T494B156K006	T494B156K006AT	15	B	10%	.83	.66	2000	.54
80-T494C226K006	T494C226K006AT	22	C	10%	1.20	.96	500	.78
80-T494D107K006	T494D107K006AT	100	D	10%	2.18	1.74	500	1.42
80-T494D157K006	T494D157K006AT	150	D	10%	2.60	2.08	500	1.69
80-T494D227K006	T494D227K006AT	220	D	10%	3.48	2.78	500	2.26
80-T494D337K006	T494D337K006AT	330	D	10%	7.15	5.72	500	4.65
80-T494X477K006	T494X477K006AT	470	X	10%	8.05	5.02	500	4.40
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C)								
80-T494A225K010	T494A225K010AT	2.2	A	10%	.48	.42	2000	.22
80-T494A475K010	T494A475K010AT	4.7	A	10%	.48	.42	2000	.20
80-T494B475K010	T494B475K010AT	4.7	B	10%	.66	.58	2000	.28
80-T494A106K010	T494A106K010AT	10	A	10%	.60	.52	2000	.45
80-T494B106K010	T494B106K010AT	10	B	10%	.66	.58	2000	.28
80-T494B226K010	T494B226K010AT	22	B	10%	1.04	.91	2000	.44
80-T494B226M010	T494B226M010AT	22	B	20%	1.00	.88	2000	.43
80-T494B336K010	T494B336K010AT	33	B	10%	1.08	.95	2000	.46
80-T494C476K010	T494C476K010AT	47	C	10%	1.30	1.14	500	.59
80-T494D686K010	T494D686K010AT	68	D	10%	1.74	1.52	500	.79
80-T494D107K010	T494D107K010AT	100	D	10%	2.08	1.82	500	.94
80-T494D107M010	T494D107M010AT	100	D	20%	2.03	1.77	500	.92
80-T494D157K010	T494D157K010AT	150	D	10%	2.78	2.43	500	1.25
80-T494D227K010	T494D227K010AT	220	D	10%	5.72	5.00	500	2.57
80-T494X227K010	T494X227K010AT	220	X	10%	7.02	6.14	500	3.16
80-T494X337K010	T494X337K010AT	330	X	10%	8.06	7.05	500	3.63
80-T494X337M010	T494X337M010AT	330	X	20%	7.54	6.60	500	3.39

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		7 Inch Reel Qty.	Price Per Piece
					1	10		
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T494A475K016	T494A475K016AT	4.7	A	10%	.52	.45	2000	.22
80-T494B106K016	T494B106K016AT	10	B	10%	.72	.63	2000	.31
80-T494C226K016	T494C226K016AT	22	C	10%	1.14	1.00	500	.51
80-T494C226M016	T494C226M016AT	22	C	20%	1.02	.90	500	.46
80-T494D226K016	T494D226K016AT	22	D	10%	1.74	1.52	500	.78
80-T494C336K016	T494C336K016AT	33	C	10%	1.30	1.14	500	.59
80-T494C476K016	T494C476K016AT	47	C	10%	1.35	1.18	500	.61
80-T494X157K016	T494X157K016AT	150	X	10%	7.02	6.14	500	3.16
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T494A225K020	T494A225K020AT	2.2	A	10%	.48	.42	2000	.20
80-T494B106K020	T494B106K020AT	10	B	10%	1.04	.91	2000	.44
80-T494C106K020	T494C106K020AT	10	C	10%	.96	.84	500	.43
80-T494D336K020	T494D336K020AT	33	D	10%	1.74	1.52	500	.78
80-T494X107K020	T494X107K020AT	100	X	10%	7.02	6.14	500	3.16
80-T494X107M020	T494X107M020AT	100	X	20%	6.66	5.82	500	3.00
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T494A105K025	T494A105K025AT	1.0	A	10%	.52	.45	2000	.22
80-T494C106M025	T494C106M025AT	10	C	20%	1.02	.90	500	.46
80-T494C106K025	T494C106K025AT	10	C	10%	1.14	1.00	500	.51
80-T494D106K025	T494D106K025AT	10	D	10%	1.74	1.52	500	.78
80-T494D226K025	T494D226K025AT	22	D	10%	1.74	1.52	500	.78
80-T494D226M025	T494D226M025AT	22	D	20%	1.69	1.48	500	.76
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T494D475K035	T494D475K035AT	4.7	D	10%	1.74	1.52	500	.78
80-T494D106K035	T494D106K035AT	10	D	10%	1.74	1.52	500	.78
80-T494D106M035	T494D106M035AT	10	D	20%	1.69	1.48	500	.76
80-T494D226M035	T494D226M035AT	22	D	20%	5.46	4.78	500	2.45
80-T494X226K035	T494X226K035AT	22	X	10%	5.72	5.00	500	2.57
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T494C105K050	T494C105K050AT	1.0	C	10%	1.20	1.05	500	.54
80-T494D225K050	T494D225K050AT	2.2	D	10%	2.29	2.00	500	1.03
80-T494D475K050	T494D475K050AT	4.7	D	10%	2.29	2.00	500	1.03
80-T494X685K050	T494X685K050AT	6.8	X	10%	7.54	6.60	500	3.39

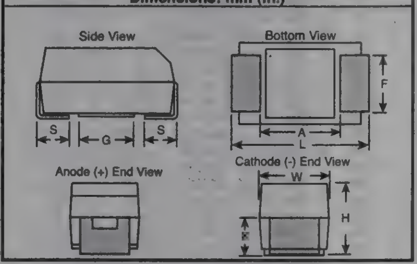
KEMET Tantalum Chip Capacitors, Low ESR

The Capacitance Company KEMET CHARGED.

T495 SERIES SOLID TANTALUM CHIP CAPACITORS, LOW ESR, SURGE ROBUST

- Designed for very low ESR
- High ripple current capability
- High surge current capability
- 100% accelerated steady-state aging
- 100% Surge current test
- Meets or exceeds EIA Standard 535BAAC
- Available tested per DSCC Dwg. 95158
- New extended values for low ESR
- Low equivalent Series Inductance (<2.5nH ESL)
- Precision-molded, laser-marked case
- Symmetrical, compliant terminations
- Taped and reeled per EIA 481-1

Dimensions: mm (in.)



Standard T495 DIMENSIONS: mm (in.)									
Case Size		Component							
Code	EIA	L	W	H	K ±.20 (.008)	F ±0.1 (.004)	S ±0.3 (.012)	A (Ref)	G (Ref)
C	6032-28	6.0 (.236)	3.2 (.126)	2.5 (.098)	1.4 (.055)	2.2 (.087)	1.3 (.051)	2.5 (.098)	2.8 (.110)
D	7343-31	7.3 (.287)	4.3 (.169)	2.8 (.110)	1.5 (.059)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5 (.138)
X	7343-43	7.3 (.287)	4.3 (.169)	4.0 (.157)	2.3 (.091)	2.4 (.094)	1.3 (.051)	3.8 (.150)	3.5* (.138)

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	ESR	Case Code	Tol.±	Price Each		500 Pc. Reel Price Ea.
						1	100	
4 Volt Rating @ 85˚C (2.7 Volt Rating @ 125°C)								
80-T495C337K4ATE700	T495C337K004ATE700	330	700	C	10%	2.07	1.72	.83
80-T495X108K4ATE70	T495X108K004ATE070	1000	70	X	10%	11.02	8.57	4.41
6 Volt Rating @ 85˚C (4 Volt Rating @ 125°C)								
80-T495D686K006	T495D686K006ATE175	68	175	D	10%	1.20	.90	.43
80-T495C107K006	T495C107K006ATE150	100	150	C	10%	2.12	1.59	.77
80-T495C157M6ATE200	T495C157M006ATE200	150	200	C	20%	2.10	1.58	.76
80-T495X157K6ATE100	T495X157K006ATE100	150	100	X	10%	2.75	2.06	.99
80-T495D227K006	T495D227K006ATE100	220	100	D	10%	3.40	1.53	1.49
80-T495X337K006	T495X337K006ATE100	330	100	X	10%	2.90	1.31	1.27
80-T495X337M006	T495X337M006ATE100	330	100	X	20%	2.85	1.25	1.15
80-T495D477K6ATE125	T495D477K006ATE125	470	125	D	10%	4.60	3.45	1.66
80-T495D477M6ATE125	T495D477M006ATE125	470	125	D	20%	4.35	3.26	1.57
80-T495X477K006	T495X477K006ATE065	470	65	X	10%	3.25	2.44	1.17
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C)								
80-T495C226K010	T495C226K010ATE345	22	345	C	10%	2.12	1.59	.77
80-T495D476K010	T495D476K010ATE200	47	200	D	10%	1.20	.90	.43
80-T495C686K10ATE225	T495C686K010ATE225	68	225	C	10%	2.13	1.59	.77
80-T495C686M10ATE225	T495C686M010ATE225	68	225	C	20%	2.00	1.50	.72
80-T495D686K010	T495D686K010ATE150	68	150	D	10%	1.20	.90	.43
80-T495D686M010	T495D686M010ATE150	68	150	D	20%	3.25	2.44	1.17
80-T495X686K10ATE150	T495X686K010ATE150	68	150	X	10%	6.80	4.00	2.88
80-T495X686M10ATE150	T495X686M010ATE150	68	150	X	20%	7.25	5.44	2.61
80-T495D107K010	T495D107K010ATE100	100	100	D	10%	1.60	1.20	.58
80-T495D107M010	T495D107M010ATE100	100	100	D	20%	1.55	1.15	.55
80-T495X107K010	T495X107K010ATE100	100	100	X	10%	2.75	2.06	.99
80-T495D157K010	T495D157K010ATE100	150	100	D	10%	1.70	1.27	.77
80-T495D157M010	T495D157M010ATE100	150	100	D	20%	1.65	1.25	.58
80-T495X157K10ATE100	T495X157K010ATE100	150	100	X	10%	3.25	2.44	1.17
80-T495D227K10ATE125	T495D227K010ATE125	220	125	D	10%	4.50	3.38	1.62
80-T495X227K010	T495X227K010ATE100	220	100	X	10%	2.90	1.75	1.24
80-T495X227M010	T495X227M010ATE100	220	100	X	20%	2.90	1.75	1.24
80-T495D337K10ATE125	T495D337K010ATE125	330	125	D	10%	4.60	3.45	1.66
80-T495X337K10ATE60	T495X337K010ATE060	330	60	X	10%	3.00	2.25	1.08
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T495C336K016	T495C336K016ATE275	33	275	C	10%	1.70	1.27	.77
80-T495C336M016	T495C336M016ATE275	33	275	C	20%	1.60	1.00	.72
80-T495D336K016	T495D336K016ATE225	33	225	D	10%	1.20	.90	.43
80-T495D336M016	T495D336M016ATE225	33	225	D	20%	1.15	.85	.40
80-T495D476K016	T495D476K016ATE150	47	150	D	10%	1.60	1.20	.58
80-T495D476M016	T495D476M016ATE150	47	150	D	20%	1.55	1.10	.55
80-T495D686K16ATE150	T495D686K016ATE150	68	150	D	10%	1.20	.90	.43
80-T495D107K016	T495D107K016ATE125	100	125	D	10%	1.50	1.02	.61
80-T495D107M016	T495D107M016ATE125	100	125	D	20%	1.45	1.00	.63
80-T495X107K016	T495X107K016ATE100	100	100	X	10%	2.73	1.95	1.17
80-T495X107M016	T495X107M016ATE100	100	100	X	20%	2.68	1.90	1.10
80-T495X157K16ATE100	T495X157K016ATE100	150	100	X	10%	2.50	1.88	.90
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T495D156K20ATE275	T495D156K020ATE275	15	275	D	10%	3.50	2.63	1.26
80-T495D156M20ATE275	T495D156M020ATE275	15	275	D	20%	3.25	2.44	1.17
80-T495D226K020	T495D226K020ATE225	22	225	D	10%	2.80	.90	.43
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C) - (Cont.)								
80-T495D226M020	T495D226M020ATE225	22	225	D	20%	3.25	2.44	1.17
80-T495D336K020	T495D336K020ATE200	33	200	D	10%	1.41	1.23	.64
80-T495D336M020	T495D336M020ATE200	33	200	D	20%	1.39	1.20	.62
80-T495D476K20ATE175	T495D476K020ATE175	47	175	D	10%	1.40	1.21	.63
80-T495X476K020	T495X476K020ATE150	47	150	X	10%	2.10	1.50	.95
80-T495X476M020	T495X476M020ATE150	47	150	X	20%	2.05	1.45	.91
80-T495D686K20ATE150	T495D686K020ATE150	68	150	D	10%	4.25	3.19	1.53
80-T495D686M20ATE150	T495D686M020ATE150	68	150	D	20%	4.00	3.00	1.44
80-T495X686K020	T495X686K020ATE150	68	150	X	10%	2.73	2.00	1.20
80-T495X686M020	T495X686M020ATE150	68	150	X	20%	2.65	1.90	1.15
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T495C685K025	T495C685K025ATE500	6.8	500	C	10%	1.70	1.00	.77
80-T495C685M025	T495C685M025ATE500	6.8	500	C	20%	1.65	.98	.75
80-T495C106K025	T495C106K025ATE450	10	450	C	10%	1.70	1.00	.77
80-T495D156K25ATE275	T495D156K025ATE275	15	275	D	10%	3.50	2.63	1.26
80-T495D156M25ATE275	T495D156M025ATE275	15	275	D	20%	3.25	2.44	1.17
80-T495X156K25ATE200	T495X156K025ATE200	15	200	X	10%	8.00	6.00	2.88
80-T495D226M025	T495D226M025ATE200	22	200	D	20%	1.41	1.23	.64
80-T495X226K025	T495X226K025ATE225	22	225	X	10%	6.40	4.00	2.88
80-T495X226M025	T495X226M025ATE225	22	225	X	20%	5.80	3.50	2.88
80-T495D336K25ATE300	T495D336K025ATE300	33	300	D	10%	1.40	1.05	.50
80-T495X336K025	T495X336K025ATE175	33	175	X	10%	2.10	1.84	.92
80-T495X336M025	T495X336M025ATE175	33	175	X	20%	2.05	1.80	.90
80-T495X476M25ATE200	T495X476M025ATE200	47	200	X	20%	5.75	4.31	2.07
80-T495X686K25ATE200	T495X686K025ATE200	68	200	X	10%	2.50	1.88	.90
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T495C475K035	T495C475K035ATE600	4.7	600	C	10%	1.70	1.27	.77
80-T495D685K35ATE400	T495D685K035ATE400	6.8	400	D	10%	1.20	.90	.43
80-T495X685K035	T495X685K035ATE300	6.8	300	X	10%	6.40	4.00	2.88
80-T495D106K035	T495D106K035ATE300	10	300	D	10%	2.80	2.10	1.26
80-T495D106M035	T495D106M035ATE300	10	300	D	20%	2.60	1.95	1.17
80-T495X106K035	T495X106K035ATE250	10	250	X	10%	1.76	1.60	1.54
80-T495D156K035	T495D156K035ATE300	15	300	D	10%	1.41	.80	.70
80-T495X156K35ATE225	T495X156K035ATE225	15	225	X	10%	3.25	2.44	1.17
80-T495D226K35ATE300	T495D226K035ATE300	22	300	D	10%	1.40	1.05	.50
80-T495X226K035	T495X226K035ATE275	22	275	X	10%	2.73	2.00	1.20
80-T495X226M035	T495X226M035ATE275	22	275	X	20%	2.70	1.20	1.15
80-T495X336K035	T495X336K035ATE250	33	250	X	10%	8.40	6.30	3.78
80-T495X336M035	T495X336M035ATE250	33	250	X	20%	7.80	6.00	3.51
80-T495X476K35ATE300	T495X476K035ATE300	47	300	X	10%	3.75	2.81	1.35
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T495D475K50ATE300	T495D475K050ATE300	4.7	300	D	10%	3.75	2.81	1.35
80-T495D475M50ATE300	T495D475M050ATE300	4.7	300	D	20%	3.50	2.63	1.26
80-T495X475K050	T495X475K050ATE300	4.7	300	X	10%	6.83	5.50	4.32
80-T495D685K50ATE300	T495D685K050ATE300	6.8	300	D	10%	3.75	2.81	1.35
80-T495D685M50ATE300	T495D685M050ATE300	6.8	300	D	20%	3.50	2.63	1.26
80-T495X106K50ATE300	T495X106K050ATE300	10	300	X	10%	9.80	7.35	4.41
80-T495X106M50ATE300	T495X106M050ATE300	10	300	X	20%	9.50	7.35	4.41
80-T495X156K50ATE300	T495X156K050ATE300	15	300	X	10%	9.80	7.35	4.41
80-T495X156M50ATE300	T495X156M050ATE300	15	300	X	20%	9.50	7.35	4.41

KEMET Solid Tantalum Chip Capacitors

The Capacitance Company
KEMET
CHARGED.

RoHS Compliant **This page of product is compliant.**

496 SERIES, LOW ESR, FAIL-SAFE FUSED

- Built-in fuse protects against damaging short circuit failure mode
- Precision-molded, laser-marked case
- Symmetrical, compliant terminations
- Taped and reeled per EIA 481-1
- Patented fuse assembly
- 100% Surge Current test on C, D, X sizes
- Continuous current capability: 0.75 amps
- Case geometry and footprints equivalent to Industrial Grade T491 Series. (Case sizes B, C, D and X only)
- Fuse actuation, 25 C: within 1 second at fault currents of 4 amps and higher.
- Post-actuation resistance, 25°C: 10MΩ minimum
- Test tabs on the sides of the case bypass the capacitor element to allow direct testing of the fuse assembly

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
4 Volt Rating @ 85°C (2.7 Volt Rating @ 125°C)								
80-T496X337K004	T496X337K004ATE700	330	X	10%	6.00	5.25	500	2.70
80-T496X337M004	T496X337M004ATE700	330	X	20%	5.60	4.90	500	2.52
6 Volt Rating @ 85°C (4 Volt Rating @ 125°C)								
80-T496B106K006	T496B106K006ATE3K5	10	B	10%	1.44	1.26	2000	.65
80-T496D107M006	T496D107M006ATE800	100	D	20%	3.00	2.63	500	1.35
80-T496X107K006	T496X107K006ATE900	100	X	10%	5.60	4.90	500	2.52
10 Volt Rating @ 85°C (7 Volt Rating @ 125°C)								
80-T496B475M010	T496B475M010ATE3K5	4.7	B	20%	1.32	1.16	2000	.59
80-T496C226K010	T496C226K010ATE2K0	22	C	10%	2.40	2.10	500	1.08
80-T496C226M010	T496C226M010ATE2K0	22	C	20%	2.20	1.93	500	.99
80-T496D476K010	T496D476K010ATE1K0	47	D	10%	3.12	2.73	500	1.40
80-T496D476M010	T496D476M010ATE1K0	47	D	20%	3.00	2.63	500	1.35
80-T496X686K010	T496X686K010ATE900	68	X	10%	5.60	4.90	500	2.52
80-T496X686M010	T496X686M010ATE900	68	X	20%	5.20	4.55	500	2.34
80-T496D107K010	T496D107K010ATE700	100	D	10%	3.32	2.91	500	1.49
80-T496D107M010	T496D107M010ATE700	100	D	20%	3.20	2.80	500	1.44
80-T496X227K010	T496X227K010ATE500	220	X	10%	7.20	6.30	500	3.24
80-T496X227M010	T496X227M010ATE500	220	X	20%	6.80	5.95	500	3.06
16 Volt Rating @ 85°C (10 Volt Rating @ 125°C)								
80-T496B225K016	T496B225K016ATE3K5	2.2	B	10%	1.44	1.26	2000	.65
80-T496B225M016	T496B225M016ATE3K5	2.2	B	20%	1.32	1.16	2000	.59
80-T496B475K016	T496B475K016ATE3K5	4.7	B	10%	1.44	1.26	2000	.65
80-T496B475M016	T496B475M016ATE3K5	4.7	B	20%	1.32	1.16	2000	.59
80-T496B106K016	T496B106K016ATE3K5	10	B	10%	1.52	1.33	2000	.68
80-T496B106M016	T496B106M016ATE3K5	10	B	20%	1.44	1.26	2000	.65
80-T496C106K016	T496C106K016ATE2K0	10	C	10%	2.40	2.10	500	1.08
80-T496C106M016	T496C106M016ATE2K0	10	C	20%	2.20	1.93	500	.99
80-T496C156K016	T496C156K016ATE2K0	15	C	10%	2.40	2.10	500	1.08
80-T496C156M016	T496C156M016ATE2K0	15	C	20%	2.20	1.93	500	.99
80-T496C226K016	T496C226K016ATE1K0	22	C	10%	2.52	2.21	500	1.13
80-T496C226M016	T496C226M016ATE1K0	22	C	20%	2.32	2.03	500	1.04
80-T496D336K016	T496D336K016ATE1K0	33	D	10%	3.12	2.73	500	1.40
80-T496D336M016	T496D336M016ATE1K0	33	D	20%	3.00	2.63	500	1.35
80-T496D476K016	T496D476K016ATE800	47	D	10%	3.12	2.73	500	1.40
80-T496D476M016	T496D476M016ATE800	47	D	20%	3.00	2.63	500	1.35
80-T496X476K016	T496X476K016ATE900	47	X	10%	5.60	4.90	500	2.52
80-T496X476M016	T496X476M016ATE900	47	X	20%	5.20	4.55	500	2.34
80-T496X107K016	T496X107K016ATE700	100	X	10%	6.00	5.25	500	2.70
80-T496X107M016	T496X107M016ATE700	100	X	20%	5.60	4.90	500	2.52

For quantities of 500 and up, call for quote.

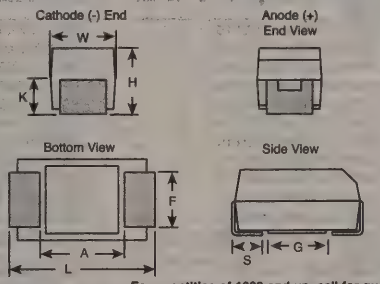
MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	Tol.±	Price Each		Reel Qty.	Price per Piece
					1	100		
20 Volt Rating @ 85°C (13 Volt Rating @ 125°C)								
80-T496B225K020	T496B225K020ATE3K5	2.2	B	10%	1.44	1.26	2000	.65
80-T496B225M020	T496B225M020ATE3K5	2.2	B	20%	1.32	1.16	2000	.59
80-T496C685K020	T496C685K020ATE2K0	6.8	C	10%	2.40	2.10	500	1.08
80-T496C685M020	T496C685M020ATE2K0	6.8	C	20%	2.20	1.93	500	.99
80-T496C106K020	T496C106K020ATE2K0	10	C	10%	2.40	2.10	500	1.08
80-T496C106M020	T496C106M020ATE2K0	10	C	20%	2.20	1.93	500	.99
80-T496D226K020	T496D226K020ATE1K0	22	D	10%	3.12	2.73	500	1.40
80-T496D226M020	T496D226M020ATE1K0	22	D	20%	3.00	2.63	500	1.35
80-T496X336K020	T496X336K020ATE900	33	X	10%	5.60	4.90	500	2.52
80-T496X336M020	T496X336M020ATE900	33	X	20%	5.20	4.55	500	2.34
25 Volt Rating @ 85°C (17 Volt Rating @ 125°C)								
80-T496C475K025	T496C475K025ATE2K5	4.7	C	10%	2.40	2.10	500	1.08
80-T496C475M025	T496C475M025ATE2K5	4.7	C	20%	2.20	1.93	500	.99
80-T496D106K025	T496D106K025ATE1K2	10	D	10%	3.12	2.73	500	1.40
80-T496D106M025	T496D106M025ATE1K2	10	D	20%	3.00	2.63	500	1.35
80-T496D226K025	T496D226K025ATE800	22	D	10%	3.12	2.73	500	1.40
80-T496D226M025	T496D226M025ATE800	22	D	20%	3.00	2.63	500	1.35
80-T496X226K025	T496X226K025ATE900	22	X	10%	5.60	4.90	500	2.52
80-T496X226M025	T496X226M025ATE900	22	X	20%	5.20	4.55	500	2.34
35 Volt Rating @ 85°C (23 Volt Rating @ 125°C)								
80-T496B105K035	T496B105K035ATE5K0	1.0	B	10%	1.44	1.26	2000	.65
80-T496B105M035	T496B105M035ATE5K0	1.0	B	20%	1.32	1.16	2000	.59
80-T496C225K035	T496C225K035ATE3K5	2.2	C	10%	2.40	2.10	500	1.08
80-T496C225M035	T496C225M035ATE3K5	2.2	C	20%	2.20	1.93	500	.99
80-T496D475K035	T496D475K035ATE1K5	4.7	D	10%	3.12	2.73	500	1.40
80-T496D475M035	T496D475M035ATE1K5	4.7	D	20%	3.00	2.63	500	1.35
80-T496D685K035	T496D685K035ATE1K5	6.8	D	10%	3.12	2.73	500	1.40
80-T496D685M035	T496D685M035ATE1K3	6.8	D	20%	3.00	2.63	500	1.35
80-T496X106K035	T496X106K035ATE1K0	10	X	10%	5.60	4.90	500	2.52
80-T496X106M035	T496X106M035ATE1K0	10	X	20%	5.20	4.55	500	2.34
80-T496X156K035	T496X156K035ATE900	15	X	10%	6.00	5.25	500	2.70
80-T496X156M035	T496X156M035ATE900	15	X	20%	5.60	4.90	500	2.52
50 Volt Rating @ 85°C (33 Volt Rating @ 125°C)								
80-T496C105K050	T496C105K050ATE5K5	1.0	C	10%	2.70	2.36	500	1.22
80-T496C105M050	T496C105M050ATE5K5	1.0	C	20%	2.64	2.31	500	1.19
80-T496X475K050	T496X475K050ATE1K5	4.7	X	10%	6.40	5.60	500	2.88
80-T496X475M050	T496X475M050ATE1K5	4.7	X	20%	6.00	5.25	500	2.70

T510 SERIES, ULTRA LOW ESR

- Ultra Low ESR <30mΩ
- New E/7260 Case with ESR <18mΩ
- Up to 5A ripple current
- RoHS Compliant & Leadfree Termination (see www.kemet.com for lead transitions)
- Operating Temperature: -55°C to +125°C
- 100% accelerated steady-state aging
- 100% Surge current test
- Precision- molded, laser-marked case
- Symmetrical compliant terminations
- Taped and reeled per EIA 481-1

RoHS Compliant

Case Size		DIMENSIONS: mm (in.)							
KEMET	EIA	L	W	H	K	F	S	A (Min.)	G (Ref.)
X	7343-43	7.3±0.3 (.287±.012)	4.3±0.3 (.169±.012)	4.0±0.3 (.157±.012)	2.3±0.20 (.091±.008)	2.4±0.1 (.094±.004)	1.3±0.3 (.051±.012)	3.8 (.150)	3.5 (.138)
E	7260-38	7.3±0.3 (.287±.012)	6.0±0.3 (.236±.012)	3.6±0.2 (.142±.008)	2.3±0.20 (.091±.008)	4.1±0.1 (.161±.004)	1.3±0.3 (.051±.012)	3.8 (.150)	3.5 (.138)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Case Code	ESR mΩ @ 25°C 100 kHz Max.	DC Leakage µA @ 25°C Max.	Tolerance %	Price Each			Price Per 500 Piece Reel
							1	10	100	
4 Volt Rating at +85°C (2.7 Volt Rating at 125°C)										
80-T510X687K004	T510X687K004ATE030	680	X	30	27.2	10%	11.25	10.13	8.44	5.40
80-T510X108K004	T510X108K004ATE018	1000	X	30	40	10%	14.75	13.28	11.06	7.08
80-T510E108K004	T510E108K004ATE018	1000	E	18	40	10%	18.00	16.20	13.50	8.64
80-T510E108M004	T510E108M004ATE018	1000	E	18	40	20%	16.75	15.08	12.56	8.04
6/6.3 Volt Rating at +85°C (4 Volt Rating at 125°C)										
80-T510X477K006	T510X477K006ATE030	470	X	30	28.2	10%	11.25	10.13	8.44	5.40
80-T510X477M006	T510X477M006ATE030	470	X	30	28.2	20%	10.50	9.45	7.88	5.04
80-T510E687K006	T510E687K006ATE023	680	E	23	40.8	10%	18.00	16.20	13.50	8.64
80-T510E687M006	T510E687M006ATE023	680	E	23	40.8	20%	16.75	15.08	12.56	8.04
10 Volt Rating at +85°C (7 Volt Rating at 125°C)										
80-T510X337K010	T510X337K010ATE035	330	X	35	33	10%	11.25	10.13	8.44	5.40
80-T510X337M010	T510X337M010ATE035	330	X	35	33	20%	10.50	9.45	7.88	5.04
16 Volt Rating at +85°C (11 Volt Rating at 125°C)										
80-T510X157K016	T510X157K016ATE040	150	X	40	24	10%	14.75	13.28	11.06	7.08
25 Volt Rating at +85°C (17 Volt Rating at 125°C)										
80-T510E107K025	T510E107K025ATE050	100	E	50	25	10%	17.50	15.75	13.13	8.40
35 Volt Rating at +85°C (23 Volt Rating at 125°C)										
80-T510X226K035	T510X226K035ATE080	22	X	80	7.7	10%	14.75	13.28	11.06	7.08
80-T510E476K035	T510E476K035ATE050	47	E	50	16.5	10%	17.25	15.53	12.94	8.28

VISHAY / SPRAGUE Solid Tantalum Chip Capacitors

RoHS Compliant This page of product is compliant.

591D SERIES: TANTAMOUNT® LOW PROFILE, LOW ESR, CONFORMAL COATED, MAXIMUM CV

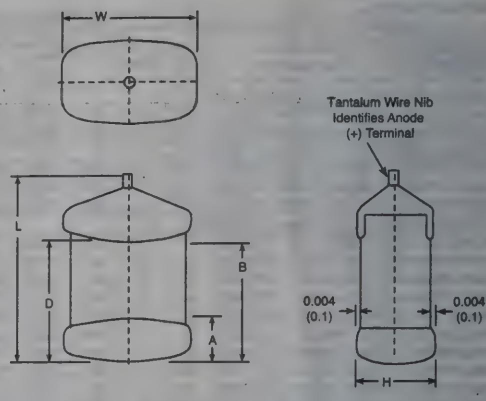
Features:

- Operating temperature: -55°C to +85°C (To +125°C with voltage derating)
- Capacitance tolerance: ±10%, ±20% standard
- New robust 6.3V ratings for battery operated wireless applications
- New case size offerings
- 1.2mm to 2mm height
- Terminations: Lead (Pb)-free (2) standard
- Very Low ESR
- Footprint compatible 30801 molded chips
- Reels are available. Contact a Mouser Representative.

RoHS Compliant

Code	Full Reel Qty.	Suffix	Dimensions: In. (mm)					
			H	L (Max.)	W	A	B	D (Ref.)
A	2500	15H	0.047±0.012 (1.2±0.3)	0.146 (3.7)	0.072±0.012 (1.8±0.3)	0.031±0.012 (0.80±0.30)	0.087±0.016 (2.2±0.4)	0.115 (2.9)
B	2000	15H	0.047±0.012 (1.2±0.3)	0.158 (4.0)	0.110±0.012 (2.8±0.3)	0.031±0.012 (0.80±0.30)	0.097±0.016 (2.5±0.4)	0.139 (3.5)
C	1000	15H	0.047±0.012 (1.2±0.3)	0.281 (7.1)	0.126±0.012 (3.2±0.3)	0.051±0.012 (1.3±0.30)	0.180±0.024 (4.4±0.6)	0.238 (6.0)
		20H	0.079 (2.0) max.					
D	1000	15H	0.047±0.012 (1.2±0.3) max.	0.298 (7.5)	0.170±0.012 (4.3±0.3)	0.051±0.012 (1.3±0.30)	0.180±0.024 (4.6±0.6)	0.254 (6.4)
		20H	0.079 (2.0) max.					
R	1000	15H	0.047±0.012 (1.2±0.3) max.	0.285 (7.2)	0.235±0.012 (6.0±0.3)	0.051±0.012 (1.3±0.30)	0.180±0.024 (4.6±0.6)	0.246 (6.2)
		20H	0.079 (2.0) max.					

DIMENSIONS: In. (mm)



NOTE: The anode termination (D less B) will be a minimum of 0.012" (0.3mm)

For reels or quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Code	Value (µF)	Max. ESR @ +25°C 100kHz (Ω)	Price Each				
					1	25	100	500	1000
4 Volt									
71-591D226X9004A2T15	591D226X9004A2T15H	A	22	1.200	1.53	1.34	1.03	.96	.88
71-591D476X9004B2T15	591D476X9004B2T15H	B	47	0.600	2.17	1.90	1.46	1.35	1.25
71-591D686X9004C2T15	591D686X9004C2T15H	C	68	0.180	2.93	2.57	1.98	1.83	1.69
71-591D107X9004D2T15	591D107X9004D2T15H	D	100	0.130	3.51	3.07	2.37	2.19	2.02
71-591D157X9004C2T15	591D157X9004C2T15H	C	150	0.150	2.93	2.57	1.98	1.83	1.69
71-591D157X9004R2T15	591D157X9004R2T15H	R	150	0.100	5.54	4.85	3.74	3.47	3.19
71-591D227X9004D2T15	591D227X9004D2T15H	D	220	0.100	3.06	2.68	2.06	1.91	1.76
71-591D337X9004C2T20	591D337X9004C2T20H	C	330	0.070	2.91	2.55	1.97	1.82	1.68
71-591D477X9004C2T20	591D477X9004C2T20H	C	470	0.070	2.91	2.55	1.97	1.82	1.68
71-591D477X9004D2T20	591D477X9004D2T20H	D	470	0,060	3.33	2.92	2.25	2.08	1.92
71-591D687X9004D2T20	591D687X9004D2T20H	D	680	0.085	3.33	2.92	2.25	2.08	1.92
71-591D687X9004R2T20	591D687X9004R2T20H	R	680	0.045	4.95	4.33	3.34	3.09	2.84
71-591D108X9004R2T20	591D108X9004R2T20H	R	1000	0.050	4.95	4.33	3.34	3.09	2.84
6.3 Volt									
71-591D156X96R3A2T15	591D156X96R3A2T15H	A	15	1.300	1.53	1.34	1.03	.96	.88
71-591D226X96R3B2T15	591D226X96R3B2T15H	B	22	0.800	2.17	1.90	1.46	1.35	1.25
71-591D336X96R3B2T15	591D336X96R3B2T15H	B	33	0.800	2.17	1.90	1.46	1.35	1.25
71-591D476X96R3C2T15	591D476X96R3C2T15H	C	47	0.200	2.93	2.57	1.98	1.83	1.69
71-591D107X96R3B2T15	591D107X96R3B2T15H	B	100	0.500	2.17	1.90	1.46	1.35	1.25
71-591D107X96R3C2T15	591D107X96R3C2T15H	C	100	0.190	2.93	2.57	1.98	1.83	1.69
71-591D107X96R3D2T15	591D107X96R3D2T15H	D	100	0.150	3.51	3.07	2.37	2.19	2.02
71-591D157X96R3D2T15	591D157X96R3D2T15H	D	150	0.120	3.06	2.68	2.06	1.91	1.76
71-591D157X96R3R2T15	591D157X96R3R2T15H	R	150	0.140	5.54	4.85	3.74	3.47	3.19
71-591D227X96R3C2T20	591D227X96R3C2T20H	C	220	0.075	2.91	2.55	1.97	1.82	1.68
71-591D227X96R3R2T15	591D227X96R3R2T15H	R	220	0.150	5.54	4.85	3.74	3.47	3.19
71-591D337X96R3D2T20	591D337X96R3D2T20H	D	330	0.060	3.33	2.92	2.25	2.08	1.92
10 Volt									
71-591D106X9010A2T15	591D106X9010A2T15H	A	10	1.300	1.53	1.34	1.03	.96	.88
71-591D226X9010B2T15	591D226X9010B2T15H	B	22	0.800	2.17	1.90	1.46	1.35	1.25
71-591D476X9010D2T15	591D476X9010D2T15H	D	47	0.140	3.51	3.07	2.37	2.19	2.02
71-591D686X9010D2T15	591D686X9010D2T15H	D	68	0.130	3.51	3.07	2.37	2.19	2.02
16 Volt									
71-591D475X9016A2T15	591D475X9016A2T15H	A	4.7	1.750	1.53	1.34	1.03	.96	.88
71-591D685X9016A2T15	591D685X9016A2T15H	A	6.8	1.750	1.53	1.34	1.03	.96	.88
71-591D106X9016B2T15	591D106X9016B2T15H	B	10	0.800	2.17	1.90	1.46	1.35	1.25
71-591D156X9016B2T15	591D156X9016B2T15H	B	15	0.75	2.17	1.90	1.46	1.35	1.25
71-591D226X9016C2T15	591D226X9016C2T15H	C	22	0.240	2.93	2.57	1.98	1.83	1.69
71-591D336X9016D2T15	591D336X9016D2T15H	D	33	0.170	3.51	3.07	2.37	2.19	2.02
71-591D476X9016R2T15	591D476X9016R2T15H	R	47	0.130	5.54	4.85	3.74	3.47	3.19
20 Volt									
71-591D475X9020A2T15	591D475X9020A2T15H	A	4.7	1.900	1.53	1.34	1.03	.96	.88
71-591D106X9020B2T15	591D106X9020B2T15H	B	10	1.500	2.17	1.90	1.46	1.35	1.25
71-591D156X9020C2T15	591D156X9020C2T15H	C	15	0.300	2.93	2.57	1.98	1.83	1.69
71-591D226X9020D2T15	591D226X9020D2T15H	D	22	0.200	3.51	3.07	2.37	2.19	2.02
71-591D336X9020R2T15	591D336X9020R2T15H	R	33	0.140	5.54	4.85	3.74	3.47	3.19
25 Volt									
71-591D335X9025B2T15	591D335X9025B2T15H	B	3.3	3.700	2.17	1.90	1.46	1.35	1.25
71-591D685X9025C2T15	591D685X9025C2T15H	C	6.8	0.750	2.93	2.57	1.98	1.83	1.69
71-591D106X9025D2T15	591D106X9025D2T15H	D	10	0.600	3.51	3.07	2.37	2.19	2.02
71-591D156X9025R2T15	591D156X9025R2T15H	R	15	0.200	5.54	4.85	3.74	3.47	3.19
35 Volt									
71-591D105X9035A2T15	591D105X9035A2T15H	A	1.0	5.000	1.53	1.34	1.03	.96	.88
71-591D685X9035D2T15	591D685X9035D2T15H	D	6.8	0.950	3.51	3.07	2.37	2.19	2.02
71-591D106X9035R2T15	591D106X9035R2T15H	R	10	0.600	5.54	4.85	3.74	3.47	3.19

VISHAY / SPRAGUE Solid Tantalum Chip Capacitors

RoHS Compliant **This page of product is compliant.**

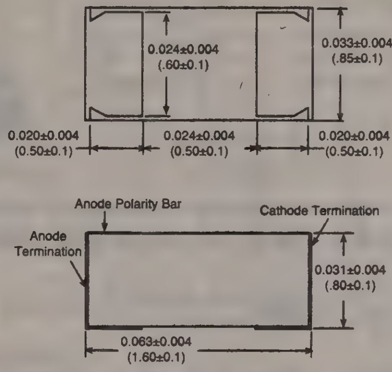
298D SERIES: MICROTAN® LEAD FRAMELESS MOLDED

Features:

- Operating temperature: -55°C to +85°C (To +125°C with voltage derating)
- Capacitance tolerance: ±20% standard
- 0805 and 0603 footprint
- Lead (Pb)-free face-down terminations
- 8mm tape and reel packaging available, 7" (178mm) standard
- **Reels of 4000** quantity are also available. Contact a Mouser Representative.

LEAD-FREE RoHS Compliant

DIMENSIONS: In. (mm)



For reels or quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Code	Value (µF)	Price Each				
				1	25	100	500	1000
6.3 Volt								
71-298D475X06R3M2T	298D475X06R3M2T	M	4.7	**.88**	**.64**	**.52**	**.42**	**.36**
71-298D106X06R3M2T	298D106X06R3M2T	M	10	**1.01**	**.74**	**.59**	**.48**	**.42**
10 Volt								
71-298D475X0010M2T	298D475X0010M2T	M	4.7	**.88**	**.64**	**.52**	**.42**	**.36**
71-298D106X0010M2T	298D106X0010M2T	M	10	**1.42**	**.96**	**.77**	**.63**	**.54**
16 Volt								
71-298D105X0016M2T	298D105X0016M2T	M	1.0	**.88**	**.64**	**.52**	**.42**	**.36**

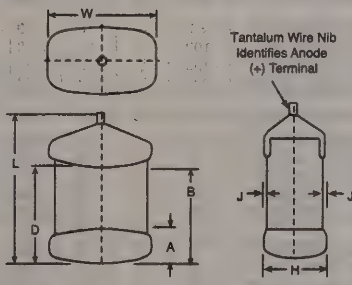
592D SERIES: TANTAMOUNT®, LOW PROFILE, CONFORMAL COATED, MAXIMUM CV

Features:

- New extended range offerings
- 1.0mm and 2.5mm Height
- Terminations: Lead (Pb)-free
- Case code compatability with EIA 535BAAC and CECC 30801-molded chips
- Low Impedance
- Operating Temperature: -55°C to +85°C
- 10% Tolerance stocked, 20% tolerance available

Case Code	Suffix	DIMENSIONS: In. (mm)						
		H	L (Max.)	W	A	B	D (Ref.)	J (Max.)
B	15H	0.047 ± 0.012 (1.2 ± 0.3)	0.158 (4.0)	0.110 + 0.012 (2.8 ± 0.3)	0.031 ± 0.012 (0.80 ± 0.3)	0.097 ± 0.016 (2.5 ± 0.4)	0.139 (3.5)	0.004 (0.1)
R	20H	0.079 (2.0 max.)	0.285 (7.2)	0.235 ± 0.012 (6.0 ± 0.3)	0.051 ± 0.012 (1.3 ± 0.3)	0.180 ± 0.024 (4.6 ± 0.6)	0.246 (6.2)	0.004 (0.1)
X	20H	0.079 (2.0 max.)	0.575 (14.5)	0.290 ± 0.010 (7.37 ± 0.25)	0.051 ± 0.016 (1.3 ± 0.4)	0.470 ± 0.024 (11.9 ± 0.6)	0.524 (13.2)	0.004 (0.1)
X	25H	0.098 (2.5 max.)	0.575 (14.5)	0.290 ± 0.010 (7.37 ± 0.25)	0.051 ± 0.016 (1.3 ± 0.4)	0.470 ± 0.024 (11.9 ± 0.6)	0.524 (13.2)	0.004 (0.1)

DIMENSIONS: In. (mm)



RoHS Compliant

LEAD-FREE

Note: The anode termination (D less B) will be a minimum of 0.012 (0.3mm).

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (µF)	Case Code	Max. DCL @ +25°C (µA)	Max. DF @ +25°C (%)	Max. ESR@ +25°C, 100KHz (Ω)	Price Each			Reel Quantity	Price Per Piece
							1	10	50		
6.3 Volt											
74-592D477X96R3W2T	592D477X96R3R2T20H	470	R	29.6	10	0.1	**2.83**	**2.57**	**2.06**	1000	**1.92**
74-592D108X96R3X2T	592D108X96R3X2T20H	1000	X	63	16	0.04	**5.63**	**5.12**	**4.10**	500	**3.83**
74-592D158X96R3X2T	592D158X96R3X2T25H	1500	X	95	25	0.045	**6.50**	**5.91**	**4.73**	500	**3.54**
74-592D228X96R3X2T	592D228X96R3X2T20H	2200	X	139	35	0.055	**5.63**	**5.12**	**4.10**	500	**3.83**
74-592D338X96R3Y2T	592D338X96R3X2T25H	3300	X	208	35	0.055	**6.50**	**5.91**	**4.73**	500	**4.42**
10 Volt											
74-592D106X9010B2T	592D106X9010B2T15H	10	B	1	6	1.7	**1.03**	**.94**	**.75**	2000	**.70**
74-592D686X9010R2T	592D686X9010R2T15H	68	R	6.8	6	.20	**2.30**	**1.94**	**1.80**	1000	**1.31**
74-592D337X9010W2T	592D337X9010R2T20H	330	R	33	8	.10	**2.83**	**2.57**	**2.06**	1000	**1.92**

597D SERIES: TANTAMOUNT® ULTRA-LOW ESR, CONFORMAL COATED, MAXIMUM CV

Features:

- Operating temperature: -55°C to +85°C (To +125°C with voltage derating)
- Capacitance tolerance: ±10%, ±20% standard
- New case size offerings
- Case profiles: E case (4mm) and R case (3.6mm)
- Low profile case: V case (2mm)
- Terminations: Tin (2) standard
- Extremely low ESR
- Ripple current up to 4.1A
- Reels are available. Contact a Mouser Representative.

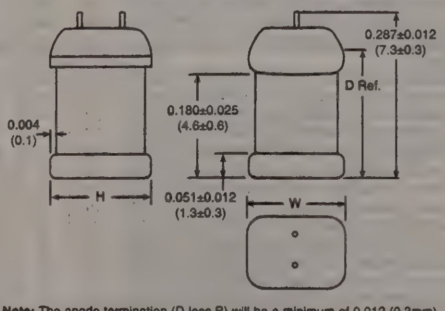
LEAD-FREE RoHS Compliant

Code	Full Reel Quantity	DIMENSIONS: In. (mm)		
		W	H	D (Ref.)
E	500	0.173±0.016 (4.4±0.4)	0.157±0.016 (4.0±0.4)	0.253 (6.4)
R	300	0.238±0.016 (6.0±0.4)	0.142±0.016 (3.6±0.4)	0.243 (6.2)
V	500	0.173±0.016 (4.4±0.4)	0.079 (2.0) max.	0.253 (6.4)

For reels or quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Case Code	Value (µF)	Max. ESR @ +25°C 100kHz (Ω)	Price Each				
					1	25	100	500	1000
4 Volt									
71-597D108X9004E2T	597D108X9004E2T	E	1000	0.020	**6.15**	**5.70**	**4.39**	**2.44**	**2.40**
71-597D158X9004R2T	597D158X9004R2T	R	1500	0.015	**6.50**	**4.25**	**2.63**	**2.60**	**2.59**
6.3 Volt									
71-597D337X96R3V2T	597D337X96R3V2T	V	330	0.035	**2.91**	**2.54**	**1.96**	**1.09**	**1.08**
71-597D477X96R3E2T	597D477X96R3E2T	E	470	0.030	**6.38**	**5.59**	**4.31**	**2.39**	**2.39**
71-597D687X96R3E2T	597D687X96R3E2T	E	680	0.025	**6.51**	**5.70**	**4.39**	**2.44**	**2.44**
71-597D108X96R3R2T	597D108X96R3R2T	R	1000	0.020	**6.50**	**4.25**	**2.63**	**2.60**	**2.58**
10 Volt									
71-597D337X9010E2T	597D337X9010E2T	E	330	0.035	**6.55**	**5.73**	**4.42**	**2.46**	**2.46**
71-597D477X9010E2T	597D477X9010E2T	E	470	0.028	**6.80**	**5.95**	**4.59**	**2.55**	**2.55**
71-597D687X9010R2T	597D687X9010R2T	R	680	0.028	**6.65**	**4.20**	**2.50**	**2.45**	**2.43**
16 Volt									
71-597D227X9016E2T	597D227X9016E2T	E	220	0.040	**6.80**	**5.95**	**4.59**	**2.55**	**2.55**
50 Volt									
71-597D226X9050R2T	597D226X9050R2T	R	22	0.170	**5.54**	**5.00**	**4.56**	**4.55**	**4.54**

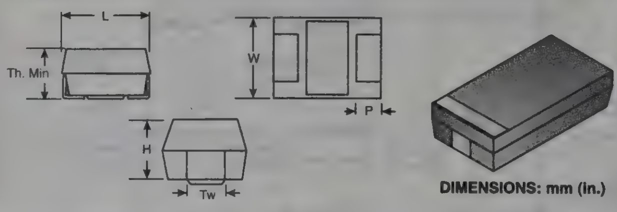
DIMENSIONS: In. (mm)



Note: The anode termination (D less B) will be a minimum of 0.012 (0.3mm).

VISHAY / SPRAGUE Solid Tantalum Chip Capacitors

RoHS Compliant **This page of product is compliant.**



DIMENSIONS: mm (in.)

Code	Full Reel Qty.	EIA Code	L	W	H	P	Tw	TH
A	2000	3216	3.2 ± .20 (.126 ± .008)	1.6 ±.20 (.063 ± .008)	1.6 ± .20 (.063 ± .008)	.80 ± .30 (.031 —.012)	1.2 ± .10 (.047 ± .004)	.70 (.28)
B	2000	3528	3.5 ± .20 (.138 ± .008)	2.8 ± .20 (.110 ± .008)	1.9 ± .20 (.075 ± .008)	.80 ± .30 (.031 ± .012)	2.2 ± .10 (.087 ± .004)	.70 (.028)
C	500	6032	6.0 ± .30 (.236 ± .012)	3.2 ± .30 (.126 ± .012)	2.5 ± .30 (.098 ± .012)	1.3 ± .30 (.051 ± .012)	2.2 ± .10 (.087 ± .004)	1.0 (.039)
D	500	7343	7.3 ± .30 (.287 ± .012)	4.3 ± .30 (.170 ± .012)	2.8 ± .30 (.110 ± .012)	1.3 ±.30 (.051 ± .012)	2.4 ± .10 (.095 ± .004)	1.0 (.039)
E	400	7343H	7.3 ± .30 (.287 ± .012)	4.3 ± .30 (.170 ± .012)	4.0 ± .30 (.158 ± 0.12)	1.3 ±.30 (.051 ± .012)	2.4 ± .10 (.095 ± .004)	1.0 (.039)

593D SERIES: SOLID TANTALUM CHIP CAPACITORS

Features:
- Operating temperature: -55°C to +85°C (To +125°C with voltage derating)
- Compatible with "High Volume" automatic pick and place equipment.
- High ripple current carrying capability
- Meets IEC Specification QC300801/US0001 and EIA 535BAAE
- Low ESR

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size	Tol.± %	Price Each			
					1	50	100	500
6.3 Volt								
74-593D6.3V330	593D337X96R3E2T	330	E	10	7.60	6.52	5.43	4.89
74-593D6.3V330E	593D337X06R3E2T	330	E	20	7.60	6.52	5.43	4.89
10 Volt								
74-593D10V33C	593D336X9010C2T	33	C	10	1.39	1.19	.99	.89
74-593D10V100	593D107X9010D2T	100	D	10	2.68	2.30	1.91	1.72
74-593D10V100D	593D107X0010D2T	100	D	20	2.68	2.30	1.91	1.72
74-593D10V220D	593D227X9010D2T	220	D	10	3.84	3.29	2.74	2.47
16 Volt								
74-593D16V10C	593D106X0016C2T	10	C	20	1.27	1.09	.91	.82
74-593D16V22	593D226X9016C2T	22	C	10	1.39	1.19	.99	.89
74-593D16V33D	593D336X9016D2T	33	D	10	2.19	1.88	1.57	1.41
74-593D16V47C	593D476X9016C2T	47	C	10	1.82	1.56	1.30	1.17
74-593D16V100	593D107X9016D2T	100	D	10	3.50	3.00	2.50	2.25
74-593D16V100E	593D107X9016E2T	100	E	10	6.23	5.34	4.45	4.01
20 Volt								
74-593D20V10B	593D106X9020B2T	10	B	10	1.06	.91	.76	.68
74-593D20V33D	593D336X9020D2T	33	D	10	2.19	1.88	1.57	1.41
74-593D20V68E	593D686X9020E2T	68	E	10	6.23	5.34	4.45	4.01
74-593D20V100E	593D107X9020E2T	100	E	10	7.60	6.52	5.43	4.89
25 Volt								
74-593D25V10	593D106X9025C2T	10	C	10	1.39	1.19	.99	.89
74-593D25V22D	593D226X9025D2T	22	D	10	2.19	1.88	1.57	1.41
74-593D25V33D	593D336X9025D2T	33	D	10	2.68	2.30	.34	.34
35 Volt								
74-593D35V10D	593D106X9035D2T	10	D	10	2.19	1.88	1.57	1.41
74-593D35V22E	593D226X0035E2T	22	E	2	7.60	6.52	5.43	4.89
50 Volt								
74-593D50V4.7D	593D475X9050D2T	4.7	D	10	2.74	2.35	1.96	1.76
74-593D50V10E	593D106X9050E2T	10	E	10	9.50	8.15	6.79	6.11

293D SERIES: SOLID TANTALUM CHIP CAPACITORS, COMMERCIAL

Features:
- Operating temperature: -55°C to +85°C (To +125°C with voltage derating)
- Compatible with "High Volume" automatic pick and place equipment.
- Optical character recognition qualified
- Meets IEC Specification QC300801/US0001 and EIA 535BAAC

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size	Tol.± %	Price Each		
					1	50	100
6.3 Volt							
74-293D106X96R3A2TE3	293D106X96R3A2TE3	10	A	10	.13	.08	.07
74-293D106X96R3B2TE3	293D106X96R3B2TE3	10	B	10	.15	.10	.08
74-293D226X96R3A2TE3	293D226X96R3A2TE3	22	A	10	.30	.26	.21
74-293D476X96R3B2TE3	293D476X96R3B2TE3	47	B	10	.27	.18	.15
74-293D107X96R3D2TE3	293D107X96R3D2TE3	100	D	10	.44	.30	.24
10 Volt							
74-293D225X0010A2TE3	293D225X0010A2TE3	2.2	A	20	.25	.21	.18
74-293D225X9010A2TE3	293D225X9010A2TE3	2.2	A	10	.11	.07	.06
74-293D475X9010A2TE3	293D475X9010A2TE3	4.7	A	10	.13	.08	.07
74-293D475X9010B2TE3	293D475X9010B2TE3	4.7	B	10	.18	.12	.09
74-293D685X9010A2TE3	293D685X9010A2TE3	6.8	A	10	.27	.23	.19
74-293D106X9010A2TE3	293D106X9010A2TE3	10	A	10	.14	.10	.08
74-293D106X0010B2TE3	293D106X0010B2TE3	10	B	20	.18	.12	.09
74-293D106X9010B2TE3	293D106X9010B2TE3	10	B	10	.18	.12	.09
74-293D226X9010B2TE3	293D226X9010B2TE3	22	B	10	.19	.13	.10
74-293D336X9010B2TE3	293D336X9010B2TE3	33	B	10	.27	.18	.15
74-293D336X9010D2TE3	293D336X9010D2TE3	33	D	10	.44	.29	.24
74-293D476X9010C2TE3	293D476X9010C2TE3	47	C	10	.36	.24	.20
74-293D476X9010D2TE3	293D476X9010D2TE3	47	D	10	.44	.29	.24
74-293D107X9010D2TE3	293D107X9010D2TE3	100	D	10	.54	.36	.29

293D SERIES: SOLID TANTALUM CHIP CAPACITORS, COMMERCIAL (CONT.)

For quantities of 500 and up, call for quote.

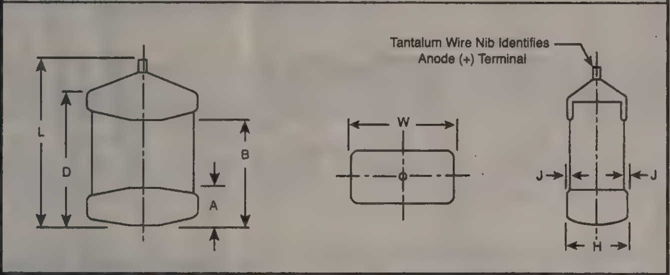
MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Size	Tol.± %	Price Each		
					1	50	100
10 Volt (Cont.)							
74-293D227X9010D2TE3	293D227X9010D2TE3	220	D	10	1.02	.67	.55
74-293D227X9010E2TE3	293D227X9010E2TE3	220	E	10	1.64	1.10	.89
16 Volt							
74-293D105X0016A2TE3	293D105X0016A2TE3	1.0	A	20	.13	.08	.07
74-293D105X9016A2TE3	293D105X9016A2TE3	1.0	A	10	.13	.08	.07
74-293D225X9016A2TE3	293D225X9016A2TE3	2.2	A	10	.13	.09	.07
74-293D335X9016A2TE3	293D335X9016A2TE3	3.3	A	10	.13	.08	.07
74-293D475X9016A2TE3	293D475X9016A2TE3	4.7	A	10	.14	.10	.08
74-293D475X9016B2TE3	293D475X9016B2TE3	4.7	B	10	.18	.12	.09
74-293D106X9016A2TE3	293D106X9016A2TE3	10	A	10	.15	.10	.08
74-293D106X9016B2TE3	293D106X9016B2TE3	10	B	10	.20	.15	.13
74-293D106X0016C2TE3	293D106X0016C2TE3	10	C	20	.27	.18	.15
74-293D106X9016C2TE3	293D106X9016C2TE3	10	C	10	.27	.15	.15
74-293D226X9016B2TE3	293D226X9016B2TE3	22	B	10	.27	.18	.15
74-293D226X9016C2TE3	293D226X9016C2TE3	22	C	10	.29	.20	.16
74-293D226X9016D2TE3	293D226X9016D2TE3	22	D	10	.44	.30	.24
74-293D336X9016D2TE3	293D336X9016D2TE3	33	D	10	.44	.29	.24
74-293D476X9016C2TE3	293D476X9016C2TE3	47	C	10	.36	.25	.20
74-293D476X9016D2TE3	293D476X9016D2TE3	47	D	10	.44	.30	.24
74-293D686X9016D2TE3	293D686X9016D2TE3	68	D	10	.54	.36	.29
74-293D107X9016D2TE3	293D107X9016D2TE3	100	D	10	.70	.47	.38
74-293D107X9016E2TE3	293D107X9016E2TE3	100	E	10	1.34	.90	.73
20 Volt							
74-293D105X9020A2TE3	293D105X9020A2TE3	1.0	A	10	.11	.07	.06
74-293D225X0020B2TE3	293D225X0020B2TE3	2.2	B	20	.33	.29	.24
74-293D225X9020B2TE3	293D225X9020B2TE3	2.2	B	10	.15	.10	.08
74-293D335X9020B2TE3	293D335X9020B2TE3	3.3	B	10	.33	.29	.24
74-293D475X0020B2TE3	293D475X0020B2TE3	4.7	B	20	.33	.29	.24
74-293D475X9020C2TE3	293D475X9020C2TE3	4.7	C	10	.27	.18	.15
74-293D106X9020B2TE3	293D106X9020B2TE3	10	B	10	.20	.13	.11
74-293D106X0020C2TE3	293D106X0020C2TE3	10	C	20	.27	.18	.15
74-293D226X9020C2TE3	293D226X9020C2TE3	22	C	10	.29	.20	.16
74-293D226X0020D2TE3	293D226X0020D2TE3	22	D	20	.44	.30	.24
74-293D226X9020D2TE3	293D226X9020D2TE3	22	D	10	.44	.30	.24
74-293D336X9020D2TE3	293D336X9020D2TE3	33	D	10	.44	.29	.24
74-293D476X9020D2TE3	293D476X9020D2TE3	47	D	10	.54	.36	.29
74-293D686X9020D2TE3	293D686X9020D2TE3	68	D	10	1.44	1.24	1.03
74-293D107X9020E2TE3	293D107X9020E2TE3	100	E	10	1.64	1.10	.89
25 Volt							
74-293D474X9025A2TE3	293D474X9025A2TE3	0.47	A	10	.13	.08	.07
74-293D105X9025A2TE3	293D105X9025A2TE3	1.0	A	10	.13	.08	.07
74-293D105X0025B2TE3	293D105X0025B2TE3	1.0	B	20	.33	.29	.24
74-293D225X9025B2TE3	293D225X9025B2TE3	2.2	B	10	.20	.13	.11
74-293D475X9025C2TE3	293D475X9025C2TE3	4.7	C	10	.27	.18	.15
74-293D106X9025C2TE3	293D106X9025C2TE3	10	C	10	.29	.20	.16
74-293D106X0025D2TE3	293D106X0025D2TE3	10	D	20	.44	.30	.24
74-293D106X9025D2TE3	293D106X9025D2TE3	10	D	10	.44	.30	.24
74-293D226X9025D2TE3	293D226X9025D2TE3	22	D	10	.44	.30	.24
74-293D336X9025E2TE3	293D336X9025E2TE3	33	E	10	1.34	.90	.73
35 Volt							
74-293D104X9035A2TE3	293D104X9035A2TE3	0.1	A	10	.13	.08	.07
74-293D334X9035A2TE3	293D334X9035A2TE3	0.33	A	10	.15	.10	.08
74-293D105X9035A2TE3	293D105X9035A2TE3	1.0	A	10	.15	.10	.08
74-293D105X9035B2TE3	293D105X9035B2TE3	1.0	B	10	.18	.12	.09
74-293D225X9035B2TE3	293D225X9035B2TE3	2.2	B	10	.19	.12	.10
74-293D225X9035C2TE3	293D225X9035C2TE3	2.2	C	10	.24	.16	.13
74-293D475X9035C2TE3	293D475X9035C2TE3	4.7	C	10	.29	.19	.16
74-293D685X9035D2TE3	293D685X9035D2TE3	6.8	D	10	.39	.25	.21
74-293D106X0035D2TE3	293D106X0035D2TE3	10	D	20	.44	.29	.24
74-293D106X9035D2TE3	293D106X9035D2TE3	10	D	10	.44	.29	.24
74-293D226X9035E2TE3	293D226X9035E2TE3	22	E	10	1.34	.90	.73
50 Volt							
74-293D104X9050A2TE3	293D104X9050A2TE3	0.1	A	10	.16	.11	.09
74-293D105X0050C2TE3	293D105X0050C2TE3	1.0	C	20	.65	.56	.47
74-293D105X9050C2TE3	293D105X9050C2TE3	1.0	C	10	.37	.25	.20
74-293D475X9050D2TE3	293D475X9050D2TE3	4.7	D	10	.55	.37	.30
74-293D685X9050D2TE3	293D685X9050D2TE3	6.8	D	10	.55	.36	.30
74-293D106X9050E2TE3	293D106X9050E2TE3	10	E	10	2.05	1.38	1.11

VISHAY / SPRAGUE Solid Tantalum Chip Capacitors

VISHAY

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: in. (mm)



Case Code	L (Max.)	W	H	A	B	D (Ref.)	J (Ref.)
T	.087 (2.2)	.045 ±.010 (1.1 ± 0.3)	.045 ± .010 (1.1 ± 0.3)	.016 ± .008 (.4 ± 0.2)	.042 ± .010 (1.07 ± 0.25)	.063 (1.6)	.004 (0.1)
A	.146 (3.7)	.072 ± .010 (1.8 ± 0.3)	.056 ± .012 (1.4 ± 0.3)	.031 ± .012 (.08 ± .30)	.085 ± .015 (2.2 ± 0.4)	.115 (2.9)	.004 (0.1)
B	.158 (4.0)	.110 + 0.12 -.016 (2.8 + 0.3-0.4)	.075 + .012-.024 (1.9 + 0.3-0.6)	.031 ± .012 (.80 ± .30)	.097 ± .016 (2.5 ± 0.4)	.138 (3.5)	.004 (0.1)
C	.281 (7.1)	.126 ± .012 (3.2 ± 0.3)	.098 ± .012 (2.5 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .024 (4.6 ± 0.6)	.236 (6.0)	.004 (0.1)
D	.293 (7.5)	.170 ± .012 (4.3 ± 0.3)	.110 ± .012 (2.8 ± 0.3)	.051 ± .012 (1.3 ± 0.30)	.180 ± .024 (4.6 ± 0.6)	.253 (6.4)	.004 (0.1)
R	.283 (7.2)	.235 ± .012 (6.0 ± 0.3)	.136 ± .012 (3.5 ± 0.3)	.051 ± .012 (1.3 ± .30)	.180 ± .024 (4.6 ± 0.6)	.243 (6.2)	.004 (0.1)

594D SERIES: TANTAMOUNT®, LOW ESR, MAXIMUM CV

Features:

- Large capacitance rating range
- New extended range offering
- Operating Temperature Range: -55°C to +85°C (Derate Voltage 33%@125°C)
- Capacitance Range: 0.10µF to 1500µF
- Terminations: Tin (2) standard
- Voltage Rating: 4 WVDC to 50 WVDC
- Lowest ESR for a SMT tantalum capacitor

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Value (µF)	Tol.± %	Case Code	Max. ESR @ +25°C, 100KHz	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
4 Volt									
74—	594D477X9004C2T	470	10	C	0.075	1.73	1.54	1.32	.99
6.3Volt									
74—	594D226X96R3B2T	22	10	B	0.38	1.05	.94	.80	.73
74—	594D107X06R3B2T	100	20	B	0.25	1.03	.92	.82	.74
74—	594D127X06R3C2T	120	20	C	0.085	1.37	1.21	.82	.82
74—	594D127X96R3C2T	120	10	C	0.085	1.43	1.27	1.09	.82
74—	594D227X96R3D2T	220	10	D	0.065	2.03	1.81	1.55	1.16
74—	594D337X06R3D2T	330	20	D	0.06	2.61	2.32	2.09	1.56
74—	594D337X96R3D2T	330	10	D	0.06	2.74	2.44	2.09	1.57
74—	594D397X96R3R2T	390	10	R	0.045	4.54	4.04	3.47	2.59
74—	594D477X06R3R2T	470	20	R	0.05	4.13	3.71	3.30	2.59
74—	594D477X96R3D2T	470	10	D	0.06	2.74	2.44	2.09	1.57
74—	594D108X06R3R2T	1000	20	R	0.03	5.42	4.55	4.34	3.41
74—	594D108X96R3R2T	1000	10	R	0.03	5.96	5.31	4.55	3.86
10 Volt									
74—	594D476X0010B2T	47	20	B	0.4	1.08	.96	.85	.77
74—	594D686X0010C2T	68	20	C	0.1	1.30	1.17	1.04	.82
74—	594D686X9010C2T	68	10	C	0.1	1.48	1.33	1.14	.82
74—	594D107X0010C2T	100	20	C	0.095	1.30	1.17	1.04	.82
74—	594D157X9010C2T	150	10	C	0.09	1.73	1.54	1.32	.99
74—	594D157X0010C2T	150	20	C	0.09	1.65	1.47	.99	.99
74—	594D157X9010D2T	150	10	D	0.075	2.03	1.81	1.55	1.16
74—	594D157X0010D2T	150	20	D	0.075	1.84	1.66	1.16	1.15
74—	594D227X9010D2T	220	10	D	0.065	2.74	2.44	1.56	1.55
74—	594D227X0010D2T	220	20	D	0.065	2.61	2.32	1.56	1.55
74—	594D337X9010R2T	330	10	R	0.045	4.54	4.04	3.47	2.50
74—	594D337X0010R2T	330	20	R	0.045	4.13	3.46	3.30	2.60
16 Volt									
74—	594D336X9016C2T	33	10	C	0.15	1.43	1.27	1.09	.82
74—	594D336X0016C2T	33	20	C	0.15	1.30	1.17	1.04	.82
74—	594D476X9016C2T	47	10	C	0.11	1.43	1.27	1.09	.81
74—	594D107X9016C2T	100	10	C	0.08	1.73	1.60	1.32	.99
74—	594D107X0016C2T	100	20	C	0.08	1.65	1.47	1.32	.99
74—	594D107X9016D2T	100	10	D	0.075	2.09	1.89	1.55	1.16
74—	594D107X0016D2T	100	20	D	0.075	1.84	1.66	1.47	1.16
74—	594D187X9016R2T	180	10	R	0.055	4.54	4.04	3.47	2.59
74—	594D187X0016R2T	180	20	R	0.055	4.13	3.46	3.30	2.60
74—	594D227X9016R2T	220	10	R	0.055	5.44	4.85	4.15	3.11
74—	594D227X0016R2T	220	20	R	0.055	4.95	4.45	3.96	3.11
20 Volt									
74—	594D226X9020C2T	22	10	C	0.15	1.43	1.27	1.09	.82
74—	594D226X0020C2T	22	20	C	0.15	1.37	1.21	1.10	.82
74—	594D476X9020D2T	47	10	D	0.095	2.03	1.81	1.55	1.16
74—	594D476X0020D2T	47	20	D	0.095	1.84	1.50	1.47	1.16
74—	594D127X0020R2T	120	20	R	0.08	4.13	3.46	3.30	2.60
25 Volt									
74—	594D156X0025C2T	15	20	C	0.22	1.30	1.17	.82	.82
74—	594D336X9025D2T	33	10	D	0.13	2.03	1.81	1.55	1.16
74—	594D336X0025D2T	33	20	D	0.13	1.84	1.66	1.47	1.16
74—	594D686X9025R2T	68	10	R	0.095	4.54	4.04	3.47	2.50
74—	594D107X0025R2T	100	20	R	0.09	5.19	4.62	4.15	3.71
35 Volt									
74—	594D685X0035C2T	6.8	20	C	0.43	1.30	1.17	1.04	.81
74—	594D156X9035D2T	15	10	D	0.27	2.03	1.81	1.55	1.16
74—	594D156X0035D2T	15	20	D	0.27	1.84	1.66	1.16	1.15
74—	594D336X9035R2T	33	10	R	0.2	4.54	4.04	3.47	2.59
74—	594D336X0035R2T	33	20	R	0.2	4.13	3.46	3.30	2.60
50 Volt									
74—	594D475X0050C2T	4.7	20	C	1	1.43	1.29	.90	.90
74—	594D685X0050D2T	6.8	20	D	0.45	2.13	1.89	1.70	1.27
74—	594D156X9050R2T	15	10	R	0.35	4.77	3.81	3.80	2.86
74—	594D156X0050R2T	15	20	R	0.35	4.54	3.81	3.63	2.86

595D SERIES: TANTAMOUNT®, MAXIMUM CV

Features:

- Large capacitance rating range
- New extended range offering
- Operating Temperature Range: -55°C to +85°C (Derate Voltage 33%@125°C)
- Capacitance Range: 0.10µF to 1500µF
- Terminations: Tin (2) standard
- Voltage Rating: 4 WVDC to 50 WVDC

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Value (µF)	Tol.± %	Case Code	Max. ESR @ +25°C, 100KHz	Price Each			
Mfr.	Mfr. Part No.					1	50	100	500
4 Volt									
74—	595D336X9004A2T	33	10	A	1.4	.80	.72	.61	.55
74—	595D107X9004B2T	100	10	B	0.45	1.00	.89	.76	.69
74—	595D397X9004D2T	390	10	D	0.13	2.18	1.94	1.67	1.25
74—	595D477X9004C2T	470	10	C	0.16	1.53	1.37	1.17	.88
74—	595D687X9004D2T	680	10	D	0.13	2.25	2.04	1.74	1.25
6.3 Volt									
74—	595D685X96R3T2T	6.8	10	T	8.5	1.39	1.24	1.06	.96
74—	595D226X96R3A2T	22	10	A	1.7	.80	.72	.61	.55
74—	595D226X96R3B2T	22	10	B	0.57	.88	.78	.67	.61
74—	595D336X96R3A2T	33	10	A	1.7	.80	.72	.61	.55
74—	595D476X96R3A2T	47	10	A	1.5	.83	.75	.64	.57
74—	595D686X06R3B2T	68	20	B	0.55	.91	.81	.72	.65
74—	595D227X96R3C2T	220	10	C	0.18	1.58	1.43	1.22	.88
74—	595D337X96R3D2T	330	10	D	0.14	2.18	1.94	1.67	1.25
74—	595D477X96R3D2T	470	10	D	0.13	2.18	1.94	1.67	1.25
74—	595D567X96R3R2T	560	10	R	0.11	4.37	3.89	3.34	2.45
74—	595D108X96R3R2T	1000	10	R	0.07	5.63	5.08	4.34	3.12
10 Volt									
74—	595D106X9010A2T	10	10	A	1.9	.73	.65	.56	.51
74—	595D106X0010A2T	10	20	A	1.9	.70	.62	.55	.46
74—	595D156X9010A2T	15	10	A	1.8	.80	.72	.61	.55
74—	595D226X9010A2T	22	10	A	1.8	.86	.75	.64	.57
74—	595D476X0010B2T	47	20	B	0.65	.91	.81	.72	.65
74—	595D157X0010C2T	150	20	C	0.22	1.40	1.26	1.12	.87
74—	595D227X9010D2T	220	10	D	0.14	2.18	1.94	1.67	1.25
74—	595D397X9010R2T	390	10	R	0.12	4.37	3.89	3.34	2.45
74—	595D477X9010R2T	470	10	R	0.12	4.37	3.89	3.34	2.50
16 Volt									
74—	595D106X9016B2T	10	10	B	0.76	.88	.78	.67	.61
74—	595D336X0016B2T	33	20	B	0.72	.91	.81	.72	.65
74—	595D107X9016C2T	100	10	C	0.3	1.58	1.43	1.22	.87
74—	595D107X0016C2T	100	20	C	0.27	1.47	1.30	1.18	.88
74—	595D157X0016D2T	150	20	D	0.14	2.03	1.85	1.67	1.24
74—	595D227X9016R2T	220	10	R	0.12	4.37	3.89	3.34	2.50
20 Volt									
74—	595D475X9020A2T	4.7	10	A	3.1	.80	.72	.61	.55
74—	595D106X9020B2T	10	10	B	1	1.00	.89	.76	.69
74—	595D156X0020B2T	15	20	B	1	.91	.81	.72	.65
74—	595D476X9020C2T	47	10	C	0.35	1.53	1.37	.87	.87
74—	595D107X9020D2T	100	10	D	0.18	2.18	1.94	1.67	1.25
74—	595D107X0020D2T	100	20	D	0.18	1.98	1.78	1.24	1.23
74—	595D107X9020R2T	100	10	R	0.14	3.64	3.24	2.78	2.08
74—	595D157X9020R2T	150	10	R	0.14	4.37	3.89	3.34	2.50
25 Volt									
74—	595D225X9025A2T	2.2	10	A	3.8	.80	.72	.61	.55
74—	595D106X9025B2T	10	10	B	1.5	1.00	.89	.76	.69
74—	595D476X9025D2T	47	10	D	0.26	2.18	1.94	1.24	1.23
74—	595D107X9025R2T	100	10	R	0.2	4.37	3.89	3.34	2.50
74—	595D107X0025R2T	100	20	R	0.2	4.07	3.71	2.50	2.49
35 Volt									
74—	595D475X9035B2T	4.7	10	B	2.2	1.00	.89	.76	.69
74—	595D156X0035C2T	15	20	C	0.6	1.40	1.26	1.12	.87
74—	595D226X9035D2T	22	10	D	0.32	2.18	1.94	1.67	1.25
74—	595D476X9035R2T	47	10	R	0.28	4.37	3.89	3.34	2.50
50 Volt									
74—	595D106X9050D2T	10	10	D	0.8	2.40	2.14	1.37	1.36
74—	595D226X9050R2T	22	10	R	0.39	4.81	3.67	3.66	2.75

VISHAY / SPRAGUE Solid Tantalum Chip Capacitors

RoHS Compliant This page of product is compliant.

292D SERIES: TANTAMOUNT® LEAD FRAMELESS MOLDED

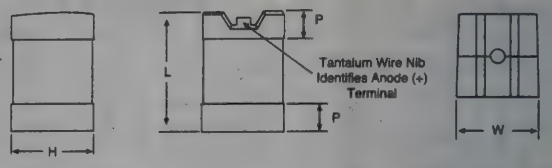
Features:

- 0805 Footprint
- 1.2mm and 1.5mm Max. Height
- Wraparound tin terminations
- Operating Temperature: -55°C to +85°C
- 10% Tolerance stocked, 20% tolerance available

RoHS Compliant

Case Code	EIA Code	DIMENSIONS: in. (mm)			
		L	W	H	P
R	0805 (2012)	0.079 ± 0.008 (2.0 ± 0.2)	0.051 ± 0.008 (1.3 ± 0.2)	0.047 (Max.) (1.2 Max.)	0.020 ± 0.012 (0.5 ± 0.3)
P	0805 (2012)	0.079 ± .0.010 (2.0 ± 0.25)	0.053 ± 0.008 (1.35 ± 0.2)	0.053 ± 0.008 (1.35 ± 0.2)	0.020 ± 0.012 (0.5 ± 0.3)

DIMENSIONS: in. (mm)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Code	Max. DCL @ +25°C (μA)	Max. DF @ +25°C (%)	Max. ESR@ +25°C, 100KHz (Ω)	Price Each				Reel Quantity	Price Per Piece
							1	10	100	500		
3 Volt												
75-292D476X9003P2T	292D476X9003P2T	47	P	0.5	6	7.6	.92	.71	.61	.54	2500	.32
4 Volt												
75-292D685X9004R2T	292D685X9004R2T	6.8	R	0.5	6	5.5	.74	.57	.49	.43	2500	.25
75-292D106X9004R2T	292D106X9004R2T	10	R	0.5	6	5.1	.74	.57	.49	.43	2500	.25
75-292D156X9004R2T	292D156X9004R2T	15	R	0.8	8	3.5	.82	.64	.55	.48	2500	.28
6.3 Volt												
75-292D225X96R3R2T	292D225X96R3R2T	2.2	R	0.5	10	3	.74	.57	.49	.43	2500	.25
75-292D475X96R3R2T	292D475X96R3R2T	4.7	R	0.6	6	3.4	.74	.57	.49	.43	2500	.25
75-292D685X96R3R2T	292D685X96R3R2T	6.8	R	0.5	6	5	.74	.57	.49	.43	2500	.25
75-292D226X96R3P2T	292D226X96R3P2T	22	P	1.3	10	3.5	.92	.77	.71	.61	2500	.25
75-292D226X96R3R2T	292D226X96R3R2T	22	R	1.4	10	3.5	.94	.73	.62	.55	2500	.32
75-292D336X96R3P2T	292D336X96R3P2T	33	P	2.1	12	3.5	.92	.71	.61	.54	2500	.32
10 Volt												
75-292D105X9010R2T	292D105X9010R2T	1	R	0.5	4	9.6	.82	.64	.55	.48	2500	.28
75-292D335X9010P2T	292D335X9010P2T	3.3	P	0.5	8	2	.72	.56	.48	.42	2500	.25
75-292D475X9010R2T	292D475X9010R2T	4.7	R	0.5	8	5	.76	.63	.59	.50	2500	.24
75-292D106X9010P2T	292D106X9010P2T	10	P	1	8	2	.81	.63	.54	.47	2500	.28
75-292D106X9010R2T	292D106X9010R2T	10	R	1	8	2	.82	.64	.55	.48	2500	.28
16 Volt												
75-292D105X9016R2T	292D105X9016R2T	1	R	0.5	4	9.3	.82	.64	.55	.48	2500	.28
75-292D225X9016R2T	292D225X9016R2T	2.2	R	0.35	8	6	.82	.64	.55	.48	2500	.28
75-292D335X9016R2T	292D335X9016R2T	3.3	R	0.53	8	3	.82	.64	.55	.48	2500	.28
75-292D475X9016R2T	292D475X9016R2T	4.7	R	0.75	8	6	.82	.64	.55	.48	2500	.28
75-292D106X9016P2T	292D106X9016P2T	10	P	1.6	8	6	.92	.71	.61	.54	2500	.32
20 Volt												
75-292D105X9020R2T	292D105X9020R2T	1	R	0.2	8	5	.82	.64	.55	.48	2500	.28
75-292D225X9020R2T	292D225X9020R2T	2.2	R	0.5	8	6	.82	.64	.55	.48	2500	.28

195D SERIES: TANTAMOUNT® CONFORMAL COATED

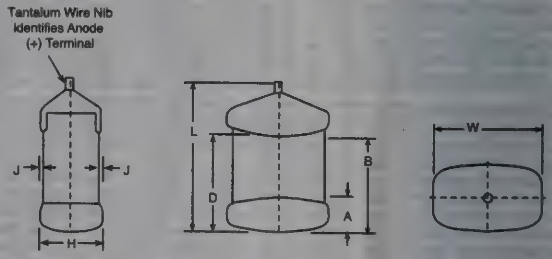
Features:

- Qualified CECC, 30801/006/008 - CTC2
- 10% Tolerance stocked, 20% tolerance available
- Operating Temperature: -55°C to +85°C

RoHS Compliant

Case Code	EIA Size	DIMENSIONS in. (mm)						
		L (Max.)	W	H	A	B	D (Ref.)	J (Max.)
R	7257	0.283 (7.2)	0.235 ± 0.013 (6.0 ± 0.3)	0.136 ± 0.010 (3.15 ± 0.3)	0.051 ± 0.013 (1.3 ± 0.3)	0.180 ± 0.025 (4.6 ± 0.6)	0.243 (6.20)	0.004 (0.10)
S	3518	0.143 (3.63)	0.072 ± .0.008 (1.83 ± 0.20)	0.048 ± 0.008 (1.22 ± 0.20)	0.023 ± 0.010 (0.58 ± 0.25)	0.085 ± 0.015 (2.16 ± 0.37)	0.115 (2.90)	0.004 (0.10)
X	7227	0.285 (7.24)	0.104 ± 0.010 (2.65 ± 0.25)	0.051 ± 0.010 (1.30 ± 0.25)	0.040 ± 0.020 (1.00 ± 0.50)	0.200 ± 0.027 (5.08 ± 0.69)	0.243 (6.20)	0.004 (0.10)
Y	7227	0.285 (7.24)	0.104 ± 0.010 (2.65 ± 0.25)	0.069 ± 0.010 (1.75 ± 0.25)	0.040 ± 0.020 (1.00 ± 0.50)	0.200 ± 0.027 (5.08 ± 0.69)	0.243 (6.20)	0.004 (0.10)
Z	7227	0.285 (7.24)	0.104 ± 0.010 (2.65 ± 0.25)	0.104 ± 0.010 (2.65 ± 0.25)	0.040 ± 0.020 (1.00 ± 0.50)	0.200 ± 0.023 (5.08 ± 0.59)	0.243 (6.20)	0.004 (0.10)

DIMENSIONS: in. (mm)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Value (μF)	Case Code	Max. DCL @ +25°C (μA)	Max. DF @ +25°C (%)	Price Each				Reel Quantity	Price Per Piece
						1	10	100	500		
10 Volt											
75-195D226X9010Y2T	195D226X9010Y2T	22	Y	2.2	6	1.61	1.38	1.15	.92	1500	.83
16 Volt											
75-195D106X9016X2T	195D106X9016X2T	10	X	1.5	6	1.48	1.16	.97	.89	2000	.86
20 Volt											
74-195D225X9020S2T	195D225X9020S2T	2.2	S	0.5	6	.91	.71	.57	.55	2500	.53
74-195D226X9020Z2T	195D226X9020Z2T	22	Z	4.4	6	2.02	1.59	1.32	1.21	1500	.87
25 Volt											
74-195D25V4.7	195D475X9025X2T	4.7	X	1.2	6	1.48	1.16	.97	.89	2000	.63
74-195D156X9025Z2T	195D156X9025Z2T	15	Z	3.8	6	2.02	1.59	1.32	1.21	1500	.87
74-195D336X9025R2T	195D336X9025R2T	33	R	8.3	6	7.55	5.93	4.92	4.50	600	3.23
35 Volt											
74-195D35V1.0	195D105X9035S2T	1	S	0.5	4	1.08	.85	.57	.55	2500	.53
74-195D225X0035X2T	195D225X0035X2T	2.2	X	0.8	6	1.48	1.16	.97	.89	2000	.63
74-195D106X9035Z2T	195D106X9035Z2T	10	Z	3.5	6	2.02	1.59	1.32	1.21	1500	.87
50 Volt											
74-195D50V4.7	195D475X9050Z2T	4.7	Z	2.4	6	2.24	1.76	1.45	1.34	1500	.96

AVX Tantalum Capacitors

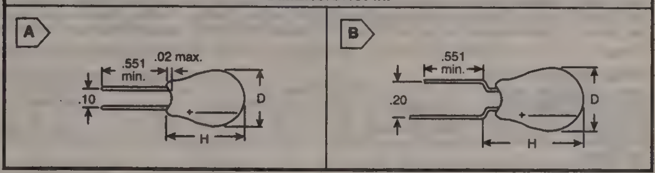
AVX
A KYOCERA GROUP COMPANY

TAP SERIES EPOXY DIPPED RADIAL TANTALUM CAPACITORS

TAP is a professional grade device manufactured with a flame retardant coating and featuring low "leakage current and impedance, very small physical sizes and exceptional temperature stability." It is designed and conditioned to operate to +125°C. Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information. Voltages listed are at 85°C. Derate voltage 33% at 125°C.

TAP types are all offered on radial tape, in reel format for use on high speed radial automatic insertion equipment, or performing machines. The tape format is compatible with EIA 468A standard for component taping set out by major manufacturers of radial automatic insertion equipment.

DIMENSIONS: in.



MOUSER STOCK NO.		Value (µF)	Fig.	DIMENSIONS: in.			Tol. ±	Bulk Price Each				MOUSER STOCK NO.		Reel Quanity	Price per Piece
Mfr.	Mfr. Part No.			D	H	LS		1	100	500	1000	Mfr.	Mfr. Part No.		
6.3 Volt (8V Surge)															
581	TAP685K006SCS	6.8	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP685K006SRW	1500	.22
581	TAP106K006SCS	10	A	0.18	0.3	0.1	10%	.50	.33	.30	.28	581	TAP106K006SRW	1250	.27
581	TAP226K006SCS	22	A	0.2	0.35	0.1	10%	.66	.44	.40	.37	581	TAP226K006SRW	1250	.36
581	TAP336K006SCS	33	A	0.22	0.35	0.1	10%	.71	.47	.42	.40	581	TAP336K006SRW	1000	.40
581	TAP476K006SCS	47	A	0.24	0.39	0.1	10%	.78	.52	.47	.44	581	TAP476K006SRW	1000	.44
581	TAP686K006SCS	68	A	0.26	0.39	0.1	10%	.93	.62	.56	.53	581	TAP686K006SRW	750	.55
581	TAP107K006SCS	100	A	0.28	0.41	0.1	10%	2.22	1.48	1.33	1.26	581	TAP107K006SRW	750	1.30
581	TAP157K006CCS	150	B	0.33	0.49	0.2	10%	2.85	1.90	1.74	1.62	581	TAP157K006CRW	1500	1.57
10 Volt (13V Surge)															
581	TAP335K010SCS	3.3	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP335K010SRW	1500	.22
581	TAP475K010SCS	4.7	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP475K010SRW	1500	.22
581	TAP685K010SCS	6.8	A	0.18	0.30	0.1	10%	.56	.37	.33	.31	581	TAP685K010SRW	1250	.30
581	TAP106K010SCS	10	A	0.2	0.33	0.1	10%	.56	.37	.33	.31	581	TAP106K010SRW	1250	.30
581	TAP156K010SCS	15	A	0.2	0.35	0.1	10%	.66	.44	.40	.37	581	TAP156K010SRW	1250	.36
581	TAP226K010SCS	22	A	0.22	0.35	0.1	10%	.75	.50	.45	.43	581	TAP226K010SRW	1000	.43
581	TAP336K010SCS	33	A	0.24	0.39	0.1	10%	.87	.58	.52	.49	581	TAP336K010SRW	1000	.49
581	TAP476K010SCS	47	A	0.26	0.39	0.1	10%	1.53	1.02	.92	.87	581	TAP476K010SRW	750	.90
581	TAP686K010SCS	68	A	0.28	0.41	0.1	10%	2.22	1.48	1.33	1.26	581	TAP686K010SRW	750	1.29
581	TAP107K010CCS	100	B	0.33	0.49	0.2	10%	2.85	1.90	1.71	1.62	581	TAP107K010CRW	500	1.71
581	TAP157K010CCS	150	B	0.35	0.63	0.2	10%	5.64	3.76	3.38	3.20	581	TAP157K010CRW	500	3.38
581	TAP227K010CCS	220	B	0.39	0.67	0.2	10%	6.96	4.64	4.18	3.94	581	TAP227K010CRW	500	4.18
16 Volt (20V Surge)															
581	TAP225K016SCS	2.2	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP225K016SRW	1500	.22
581	TAP335K016SCS	3.3	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP335K016SRW	1500	.22
581	TAP475K016SCS	4.7	A	0.18	0.3	0.1	10%	.50	.33	.30	.28	581	TAP475K016SRW	1250	.27
581	TAP685K016SCS	6.8	A	0.2	0.33	0.1	10%	.59	.39	.35	.33	581	TAP685K016SRW	1250	.32
581	TAP106K016SCS	10	A	0.2	0.35	0.1	10%	.60	.40	.36	.34	581	TAP106K016SRW	1250	.33
581	TAP156K016SCS	15	A	0.22	0.35	0.1	10%	.80	.53	.48	.45	581	TAP156K016SRW	1000	.45
581	TAP226K016SCS	22	A	0.24	0.39	0.1	10%	.80	.53	.48	.45	581	TAP226K016SRW	1000	.45
581	TAP336K016SCS	33	A	0.24	0.39	0.1	10%	1.53	1.02	.92	.87	581	TAP336K016SRW	1000	.87
581	TAP476K016SCS	47	A	0.31	0.45	0.1	10%	2.36	1.57	1.41	1.34	581	TAP476K016SRW	750	1.38
581	TAP686K016SCS	68	A	0.35	0.49	0.1	10%	2.85	1.90	1.71	1.62	581	TAP686K016SRW	1500	1.57
581	TAP107K016CCS	100	B	0.35	0.63	0.2	10%	6.06	4.04	3.64	3.43	581	TAP107K016CRW	500	3.64
20 Volt (25V Surge)															
581	TAP225K020SCS	2.2	A	0.18	0.28	0.1	10%	.46	.30	.27	.26	581	TAP225K020SRW	1500	.25
581	TAP106K020SCS	10	A	0.22	0.35	0.1	10%	.75	.50	.45	.43	581	TAP106K020SRW	1000	.43
581	TAP156K020SCS	15	A	0.24	0.39	0.1	10%	.81	.54	.49	.46	581	TAP156K020SRW	1000	.46
581	TAP226K020SCS	22	A	0.28	0.41	0.1	10%	1.50	1.00	.90	.85	581	TAP226K020SRW	1500	.82
581	TAP336K020SCS	33	A	0.31	0.45	0.1	10%	2.16	1.44	1.30	1.22	581	TAP336K020SRW	1500	1.18
581	TAP476K020CCS	47	B	0.33	0.55	0.2	10%	2.67	1.78	1.60	1.51	581	TAP476K020CRW	500	1.60
581	TAP686K020CCS	68	B	0.35	0.63	0.2	10%	6.06	4.04	3.64	3.43	581	TAP686K020CRW	1500	3.33
581	TAP107K020CCS	100	B	0.35	0.63	0.2	10%	6.96	4.64	4.18	3.94	581	TAP107K020CRW	500	4.18
25 Volt (32V Surge)															
581	TAP105K025SCS	1.0	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP105K025SRW	1500	.22
581	TAP155K025SCS	1.5	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP155K025SRW	1500	.22
581	TAP225K025SCS	2.2	A	0.18	0.28	0.1	10%	.50	.33	.30	.28	581	TAP225K025SRW	1500	.27
581	TAP335K025SCS	3.3	A	0.18	0.3	0.1	10%	.50	.33	.30	.28	581	TAP335K025SRW	1250	.27
581	TAP475K025SCS	4.7	A	0.2	0.33	0.1	10%	.59	.39	.35	.33	581	TAP475K025SRW	1250	.32
581	TAP685K025SCS	6.8	A	0.2	0.35	0.1	10%	.80	.53	.48	.45	581	TAP685K025SRW	1250	.44
581	TAP106K025SCS	10	A	0.22	0.35	0.1	10%	.80	.53	.48	.45	581	TAP106K025SRW	1000	.45
581	TAP156K025SCS	15	A	0.24	0.39	0.1	10%	1.70	1.13	1.02	.96	581	TAP156K025SRW	1000	.96
581	TAP226K025SCS	22	A	0.28	0.41	0.1	10%	2.22	1.48	1.33	1.26	581	TAP226K025SRW	750	1.30
581	TAP336K025SCS	33	A	0.31	0.45	0.1	10%	2.84	1.89	1.70	1.61	581	TAP336K025SRW	1500	1.56
581	TAP476K025CCS	47	B	0.35	0.57	0.2	10%	4.29	2.86	2.57	2.43	581	TAP476K025CRW	500	2.57
35 Volt (44V Surge)															
581	TAP104K035SCS	0.1	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP104K035SRW	1500	.22
581	TAP154K035SCS	0.15	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP154K035SRW	1500	.22
581	TAP224K035SCS	0.22	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP224K035SRW	1500	.22
581	TAP334K035SCS	0.33	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP334K035SRW	1500	.22
581	TAP474K035SCS	0.47	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP474K035SRW	1500	.22
581	TAP684K035SCS	0.68	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP684K035SRW	1500	.22
581	TAP105K035SCS	1.0	A	0.18	0.28	0.1	10%	.40	.26	.24	.23	581	TAP105K035SRW	1500	.22
581	TAP155K035SCS	1.5	A	0.18	0.28	0.1	10%	.46	.30	.27	.26	581	TAP155K035SRW	1500	.25
581	TAP225K035SCS	2.2	A	0.18	0.3	0.1	10%	.52	.34	.31	.29	581	TAP225K035SRW	1250	.28
581	TAP335K035SCS	3.3	A	0.2	0.33	0.1	10%	.62	.41	.37	.35	581	TAP335K035SRW	1250	.33
581	TAP475K035SCS	4.7	A	0.22	0.35	0.1	10%	.66	.44	.40	.37	581	TAP475K035SRW	1000	.37
581	TAP685K035SCS	6.8	A	0.24	0.39	0.1	10%	.77	.51	.46	.43	581	TAP685K035SRW	1000	.43
581	TAP106K035SCS	10	A	0.24	0.39	0.1	10%	1.28	.85	.77	.72	581	TAP106K035SRW	1000	.72
581	TAP156K035SCS	15	A	0.28	0.41	0.1	10%	2.67	1.78	1.60	1.51	581	TAP156K035SRW	750	1.56
581	TAP226K035SCS	22	A	0.33	0.49	0.1	10%	2.67	1.78	1.60	1.51	581	TAP226K035SRW	500	1.60
581	TAP336K035CCS	33	B	0.35	0.57	0.2	10%	4.68	3.12	2.81	2.65	581	TAP336K035CRW	500	2.81
581	TAP476K035CCS	47	B	0.35	0.63	0.2	10%	6.96	4.64	4.18	3.94	581	TAP476K035CRW	500	4.18
50 Volt (63V Surge)															
581	TAP104K050SCS	0.1	A	0.18	0.28	0.1	10%	.44	.30	.27	.25	581	TAP104K050SRW	1500	.24
581	TAP224K050SCS	0.22	A	0.18	0.28	0.1	10%	.44	.30	.27	.25	581	TAP224K050SRW	1500	.24
581	TAP334K050SCS	0.33	A	0.18	0.28	0.1	10%	.44	.30	.27	.25	581	TAP334K050SRW	1500	.24
581	TAP474K050SCS	0.47	A	0.18	0.28	0.1	10%	.50	.33	.30	.28	581	TAP474K050SRW	1500	.27
581	TAP684K050SCS	0.68	A	0.18	0.3	0.1	10%	.50	.33	.30	.28	581	TAP684K050SRW	1250	.27
581	TAP105K050SCS	1.0	A	0.2	0.33	0.1	10%	.50	.33	.30	.28	581	TAP105K050SRW	1250	.27
581	TAP225K050SCS	2.2	A	0.22	0.35	0.1	10%	.80	.53	.48	.45	581	TAP225K050SRW	1000	.45
581	TAP335K050SCS	3.3	A	0.24	0.39	0.1	10%	.87	.58	.52	.49	581	TAP335K050SRW	1000	.49
581	TAP475K050SCS	4.7	A	0.26	0.39	0.1	10%	1.10	.73	.66	.62	581	TAP475K050SRW	750	.64

KEMET Tantalum Capacitors

"ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

The KEMET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ±0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case sizes are printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout mechanism) during life tests. The "UltraDip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability. Voltages listed are at 85°C. Derate voltage 33% at 125°C.

RoHS Compliant

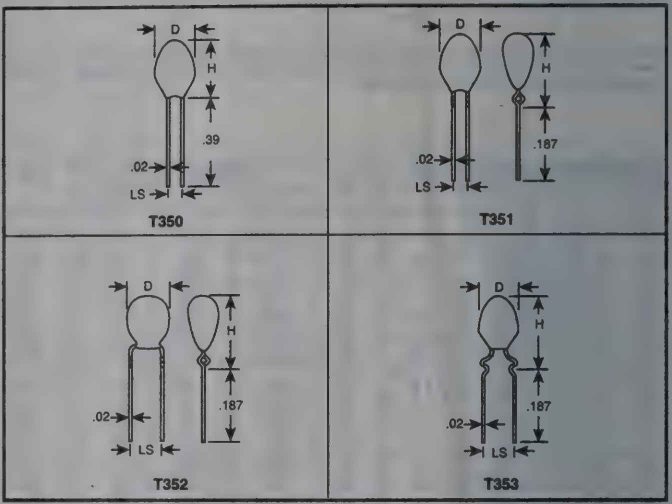
Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

T350, Straight Lead

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
6.3 Volt								
80-T350E336K006AT	T350E336K006AT	33	.216	.350	.100	.78	.69	.53
80-T350F476K006AT	T350F476K006AT	47	.236	.390	.100	.92	.81	.63
80-T350G686K006AT	T350G686K006AT	68	.250	.400	.100	1.26	1.11	.86
80-T350H107K006AT	T350H107K006AT	100	.300	.400	.100	2.40	2.10	1.62
80-T350L337K006AT	T350L337K006AT	330	.350	.630	.200	8.50	7.45	5.75
10 Volt								
80-T350A475K010AT	T350A475K010AT	4.7	.175	.280	.100	.39	.34	.26
80-T350B685K010AT	T350B685K010AT	6.8	.175	.300	.100	.46	.41	.34
80-T350C106K010AT	T350C106K010AT	10	.196	.330	.100	.46	.41	.31
80-T350E226K010AT	T350E226K010AT	22	.216	.350	.100	.73	.64	.49
80-T350F336K010AT	T350F336K010AT	33	.236	.390	.100	.84	.74	.57
80-T350H476K010AT	T350H476K010AT	47	.300	.400	.100	1.77	1.55	1.20
80-T350H686K010AT	T350H686K010AT	68	.300	.400	.100	2.07	1.82	1.40
80-T350J107K010AT	T350J107K010AT	100	.330	.500	.200	2.56	2.24	1.73
80-T350L227K010AT	T350L227K010AT	220	.350	.630	.200	8.50	7.45	5.75
16 Volt								
80-T350A155K016AT	T350A155K016AT	1.5	.175	.280	.100	.44	.39	.30
80-T350A225K016AT	T350A225K016AT	2.2	.175	.280	.100	.34	.30	.27
80-T350A335K016AT	T350A335K016AT	3.3	.175	.280	.100	.34	.30	.27
80-T350B475K016AT	T350B475K016AT	4.7	.175	.300	.100	.46	.41	.31
80-T350E106K016AT	T350E106K016AT	10	.216	.350	.100	.48	.42	.32
80-T350E156K016AT	T350E156K016AT	15	.216	.350	.100	.70	.62	.48
80-T350F226K016AT	T350F226K016AT	22	.236	.390	.100	.73	.64	.49
80-T350H336K016AT	T350H336K016AT	33	.300	.400	.100	1.71	1.50	1.16
80-T350J476K016AT	T350J476K016AT	47	.330	.500	.200	2.18	1.90	1.47
80-T350K686K016AT	T350K686K016AT	68	.350	.530	.200	2.82	2.46	1.90
80-T350L107K016AT	T350L107K016AT	100	.350	.630	.200	5.47	4.79	3.69
80-T350M157K016AT	T350M157K016AT	150	.400	.670	.200	8.50	7.45	5.75
20 Volt								
80-T350C475K020AT	T350C475K020AT	4.7	.196	.330	.100	.54	.47	.36
80-T350E106K020AT	T350E106K020AT	10	.216	.350	.100	.62	.55	.42
80-T350F156K020AT	T350F156K020AT	15	.236	.390	.100	.87	.76	.59
80-T350G226K020AT	T350G226K020AT	22	.250	.400	.100	1.71	1.50	1.16
80-T350K476K020AT	T350K476K020AT	47	.350	.530	.200	2.72	2.38	1.84
80-T350L686K020AT	T350L686K020AT	68	.350	.630	.200	6.12	5.36	4.13
80-T350M107K020AT	T350M107K020AT	100	.400	.670	.200	6.12	5.36	4.13
25 Volt								
80-T350A105K025AT	T350A105K025AT	1.0	.175	.280	.100	.34	.30	.27
80-T350B225K025AT	T350B225K025AT	2.2	.175	.300	.100	.42	.37	.32
80-T350B335K025AT	T350B335K025AT	3.3	.175	.300	.100	.50	.43	.34
80-T350C475K025AT	T350C475K025AT	4.7	.196	.330	.100	.57	.50	.38
80-T350E106K025AT	T350E106K025AT	10	.216	.350	.100	.67	.59	.45
80-T350H226K025AT	T350H226K025AT	22	.300	.400	.100	1.98	1.74	1.34
80-T350J336K025AT	T350J336K025AT	33	.330	.500	.200	2.72	2.38	1.84
80-T350K476K025AT	T350K476K025AT	47	.350	.530	.200	3.97	3.47	2.67
80-T350L686K025AT	T350L686K025AT	68	.350	.630	.200	8.50	7.45	5.75
35 Volt								
80-T350A104K035AT	T350A104K035AT	0.1	.175	.280	.100	.30	.26	.21
80-T350A224K035AT	T350A224K035AT	0.22	.175	.280	.100	.34	.30	.23
80-T350A334K035AT	T350A334K035AT	0.33	.175	.280	.100	.34	.30	.27
80-T350A474K035AT	T350A474K035AT	0.47	.175	.280	.100	.34	.30	.23
80-T350A684K035AT	T350A684K035AT	0.68	.175	.280	.100	.34	.30	.27
80-T350A105K035AT	T350A105K035AT	1.0	.175	.280	.100	.30	.26	.25
80-T350B155K035AT	T350B155K035AT	1.5	.175	.300	.100	.40	.35	.31
80-T350C225K035AT	T350C225K035AT	2.2	.196	.330	.100	.47	.42	.32
80-T350D335K035AT	T350D335K035AT	3.3	.196	.340	.100	.64	.56	.43
80-T350E475K035AT	T350E475K035AT	4.7	.216	.350	.100	.62	.55	.42
80-T350F685K035AT	T350F685K035AT	6.8	.258	.390	.100	.67	.59	.45
80-T350G106K035AT	T350G106K035AT	10	.250	.400	.100	1.07	.93	.69
80-T350J156K035AT	T350J156K035AT	15	.330	.500	.200	2.30	2.02	1.55
80-T350K226K035AT	T350K226K035AT	22	.350	.530	.200	2.43	2.13	1.65
80-T350L336K035AT	T350L336K035AT	33	.350	.630	.200	5.78	5.07	3.91
80-T350M476K035AT	T350M476K035AT	47	.400	.670	.200	8.50	7.45	5.75
50 Volt								
80-T350A104K50AT	T350A104K050AT	0.1	.175	.280	.100	.39	.34	.26
80-T350B105K050AT	T350B105K050AT	1.0	.175	.300	.100	.43	.38	.30
80-T350E225K050AT	T350E225K050AT	2.2	.216	.350	.100	.84	.74	.57
80-T350F335K050AT	T350F335K050AT	3.3	.236	.390	.100	.95	.84	.64
80-T350G475K050AT	T350G475K050AT	4.7	.250	.400	.100	1.23	1.08	.83
80-T350K106K050AT	T350K106K050AT	10	.350	.530	.200	3.46	3.02	2.43
80-T350M226K050AT	T350M226K050AT	22	.400	.670	.200	9.86	8.64	6.67

DIMENSIONS: in.



D = max. diameter, H = max. height, LS = lead spacing

T351, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T351A475K10AT	T351A475K010AT	4.7	.175	.380	.100	.55	.48	.36
16 Volt								
80-T351A225K16AT	T351A225K016AT	2.2	.175	.380	.100	.44	.39	.30
80-T351B475K16AT	T351B475K016AT	4.7	.175	.390	.100	.67	.59	.46
80-T351F226K016AT	T351F226K016AT	22	.236	.480	.100	1.07	.94	.71
25 Volt								
80-T351B225K25AT	T351B225K025AT	2.2	.175	.390	.100	.57	.50	.35
80-T351E106K025AT	T351E106K025AT	10	.216	.440	.100	1.07	.94	.71
35 Volt								
80-T351A474K035AT	T351A474K035AT	0.47	.175	.380	.100	.44	.39	.30
80-T351A105K035AT	T351A105K035AT	1.0	.175	.380	.100	.44	.39	.30
80-T351C225K035AT	T351C225K035AT	2.2	.196	.420	.100	.67	.59	.46
80-T351G106K035AT	T351G106K035AT	10	.250	.500	.100	1.71	1.50	1.16

T352, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
16 Volt								
80-T352F226K016AT	T352F226K016AT	22	.236	.500	.200	1.07	.94	.71
25 Volt								
80-T352E106K025AT	T352E106K025AT	10	.216	.460	.200	1.07	.94	.71
35 Volt								
80-T352A105K035AT	T352A105K035AT	1.0	.175	.400	.200	.44	.39	.30
80-T352F685K035AT	T352F685K035AT	6.8	.236	.500	.200	1.01	.88	.69
80-T352G106K035AT	T352G106K035AT	10	.250	.510	.200	1.71	1.50	1.16

T353, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (µF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
20 Volt								
80-T353M107K020AT	T353M107K020AT	100	.400	.760	.200	9.35	8.18	6.31
25 Volt								
80-T353E106K025AT	T353E106K025AT	10	.216	.460	.200	1.07	.94	.71
80-T353H226K025AT	T353H226K025AT	22	.300	.520	.200	2.97	2.60	2.01
35 Volt								
80-T353A105K035AT	T353A105K035AT	1.0	.175	.400	.200	.44	.39	.30
80-T353G106K035AT	T353G106K035AT	10	.250	.510	.200	1.71	1.50	1.16
80-T353K226K035AT	T353K226K035AT	22	.350	.630	.200	3.59	3.14	2.42
80-T353M476K035AT	T353M476K035AT	47	.400	.760	.200	9.35	8.18	6.31
50 Volt								
80-T353K106K050AT	T353K106K050AT	10	.350	.630	.200	4.48	3.92	3.02

"ULTRA DIP II" TANTALUM CAPACITORS, 10% TOLERANCE

RoHS Compliant

The KEMET "Ultra Dip II" Series, miniature dipped solid tantalum capacitors, provide the designer with the advantage of compactness plus low leakage and low DF performance characteristics for filtering, bypassing, coupling, blocking and RC timing circuits. The plastic case provides a tough barrier coating and maintains precision of lead wire spacing within ±0.015 inch. The gold color epoxy utilized permits laser marking with outstanding permanency and legibility. All case sizes are printed with capacitance, voltage, polarity, and vendor identification. Solid tantalum devices exhibit no degradation failure mode during shelf storage and show a constantly decreasing failure rate (i.e., absence of wearout mechanism) during life tests. The "Ultra Dip II" Series provides self-insulation cases which are resistant to shock and vibration. These capacitors exhibit low DCL, ESR and Impedance and have excellent temperature stability. Voltage rated at 85°C. Derate voltage 33% at 125°C.

Available in various lead configuration, tolerances, and packaging. Contact a Mouser Sales Representative for more information.

T354, Formed Leads

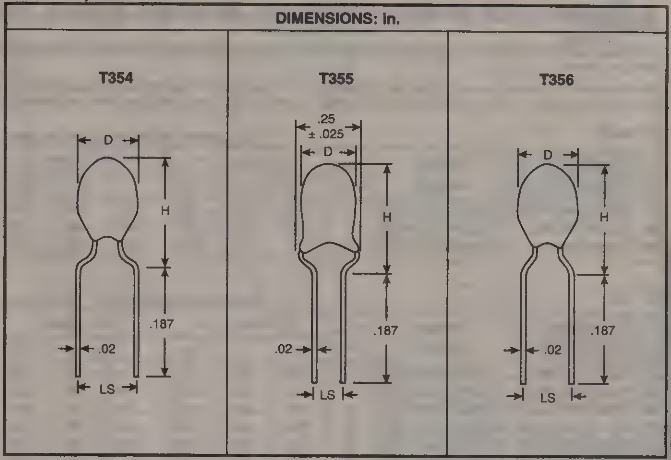
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
6.3 Volt								
80-T354F476K006AT	T354F476K006AT	47	.236	.440	.250	1.07	.94	.71
80-T354L337K006AT	T354L337K006AT	330	.350	.710	.250	9.35	8.18	6.31
10 Volt								
80-T354H476K010AT	T354H476K010AT	47	.300	.470	.250	2.07	1.82	1.40
80-T354J107K010AT	T354J107K010AT	100	.330	.550	.250	3.81	3.33	2.58
80-T354L227K010AT	T354L227K010AT	220	.350	.710	.250	9.35	8.18	6.31
16 Volt								
80-T354E106K016AT	T354E106K016AT	10	.216	.400	.250	.81	.71	.55
80-T354F226K016AT	T354F226K016AT	22	.236	.440	.250	1.07	.94	.71
80-T354H336K016AT	T354H336K016AT	33	.300	.470	.250	2.07	1.82	1.40
80-T354K686K016AT	T354K686K016AT	68	.350	.610	.250	3.81	3.33	2.58
80-T354L107K016AT	T354L107K016AT	100	.350	.710	.250	8.16	7.14	5.51
80-T354M157K016AT	T354M157K016AT	150	.400	.740	.250	9.35	8.18	6.31
20 Volt								
80-T354E106K020AT	T354E106K020AT	10	.216	.400	.250	1.01	.88	.69
80-T354F156K020AT	T354F156K020AT	15	.236	.440	.250	1.09	.95	.74
80-T354G226K020AT	T354G226K020AT	22	.250	.450	.250	2.04	1.79	1.38
80-T354K476K020AT	T354K476K020AT	47	.350	.610	.250	3.59	3.14	2.42
80-T354L686K020AT	T354L686K020AT	68	.350	.710	.250	8.16	7.14	5.51
80-T354M107K020AT	T354M107K020AT	100	.400	.740	.250	9.35	8.18	6.31
25 Volt								
80-T354B225K025AT	T354B225K025AT	2.2	.175	.350	.250	.57	.50	.38
80-T354C475K025AT	T354C475K025AT	4.7	.196	.380	.250	.81	.72	.55
80-T354E106K025AT	T354E106K025AT	10	.216	.400	.250	1.07	.94	.71
80-T354H226K025AT	T354H226K025AT	22	.300	.470	.250	2.97	2.60	2.01
80-T354J276K025AT	T354J276K025AT	27	.330	.550	.250	3.81	3.33	2.58
80-T354J336K025AT	T354J336K025AT	33	.330	.550	.250	3.81	3.33	2.58
80-T354K476K025AT	T354K476K025AT	47	.350	.610	.250	5.79	5.07	3.90
80-T354L686K025AT	T354L686K025AT	68	.350	.710	.250	9.35	8.18	6.31
35 Volt								
80-T354A105K035AT	T354A105K035AT	1.0	.175	.340	.250	.44	.39	.30
80-T354C225K035AT	T354C225K035AT	2.2	.196	.380	.250	.67	.59	.46
80-T354E475K035AT	T354E475K035AT	4.7	.216	.400	.250	.89	.78	.60
80-T354F685K035AT	T354F685K035AT	6.8	.236	.440	.250	1.01	.88	.69
80-T354G106K035AT	T354G106K035AT	10	.250	.450	.250	1.71	1.50	1.16
80-T354J156K035AT	T354J156K035AT	15	.330	.550	.250	3.59	3.14	2.42
80-T354K226K035AT	T354K226K035AT	22	.350	.610	.250	3.59	3.14	2.42
80-T354L336K035AT	T354L336K035AT	33	.350	.710	.250	6.29	5.51	4.25
80-T354M476K035AT	T354M476K035AT	47	.400	.740	.250	9.35	8.18	6.31
50 Volt								
80-T354B105K050AT	T354B105K050AT	1.0	.175	.350	.250	.57	.50	.38
80-T354G475K050AT	T354G475K050AT	4.7	.250	.450	.250	1.47	1.29	.99
80-T354K106K050AT	T354K106K050AT	10	.350	.610	.250	4.48	3.92	3.02
80-T354L156K050AT	T354L156K050AT	15	.350	.710	.250	5.61	4.91	3.79
80-T354M226K050AT	T354M226K050AT	22	.400	.740	.250	10.85	9.49	7.33

T355, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T355F336K010AT	T355F336K010AT	33	.236	.440	.125	1.17	1.03	.80
16 Volt								
80-T355E106K016AT	T355E106K016AT	10	.216	.400	.125	.81	.71	.55
80-T355F226K016AT	T355F226K016AT	22	.236	.440	.125	1.07	.94	.71
20 Volt								
80-T355E106K020AT	T355E106K020AT	10	.216	.400	.125	1.01	.88	.69
80-T355F156K020AT	T355F156K020AT	15	.236	.440	.125	1.09	.95	.74
25 Volt								
80-T355B225K025AT	T355B225K025AT	2.2	.175	.350	.125	.57	.50	.38
80-T355C475K025AT	T355C475K025AT	4.7	.196	.380	.125	.81	.72	.55
80-T355E106K025AT	T355E106K025AT	10	.216	.400	.125	1.07	.94	.71
80-T355H226K025AT	T355H226K025AT	22	.300	.470	.125	2.97	2.60	2.01



D = max. diameter, H = max. height, LS = lead spacing

T355, Formed Leads (cont.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
35 Volt								
80-T355A334K035AT	T355A334K035AT	0.33	.175	.340	.125	.44	.39	.30
80-T355A105K035AT	T355A105K035AT	1.0	.175	.340	.125	.44	.39	.30
80-T355B155K035AT	T355B155K035AT	1.5	.175	.350	.125	.62	.54	.42
80-T355C225K035AT	T355C225K035AT	2.2	.196	.380	.125	.67	.59	.46
80-T355D335K035AT	T355D335K035AT	3.3	.196	.390	.125	.84	.74	.57
80-T355E475K035AT	T355E475K035AT	4.7	.216	.400	.125	.89	.78	.60
80-T355F685K035AT	T355F685K035AT	6.8	.236	.440	.125	1.01	.88	.69
80-T355G106K035AT	T355G106K035AT	10	.250	.450	.125	1.71	1.50	1.16
50 Volt								
80-T355B105K050AT	T355B105K050AT	1.0	.175	.350	.125	.57	.50	.38
80-T355E225K050AT	T355E225K050AT	2.2	.216	.400	.125	1.07	.94	.71

T356, Formed Leads

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	KEMET Part Number	Value (μF)	Dimensions: in.			Price Each		
			D	H	LS	1	25	100
10 Volt								
80-T356J107K010AT	T356J107K010AT	100	.330	.550	.200	2.56	2.24	1.73
16 Volt								
80-T356B475K016AT	T356B475K016AT	4.7	.175	.350	.200	.46	.41	.31
80-T356E106K016AT	T356E106K016AT	10	.216	.400	.200	.48	.42	.38
80-T356F226K016AT	T356F226K016AT	22	.236	.440	.200	.73	.64	.49
80-T356H336K016AT	T356H336K016AT	33	.300	.470	.200	1.71	1.50	1.16
80-T356J476K16AT	T356J476K016AT	47	.330	.550	.200	2.18	1.90	1.47
80-T356K686K016AT	T356K686K016AT	68	.350	.610	.200	2.82	2.46	1.90
80-T356L107K016AT	T356L107K016AT	100	.350	.710	.200	5.47	4.79	3.69
80-T356M157K016AT	T356M157K016AT	150	.400	.740	.200	8.50	7.45	5.75
20 Volt								
80-T356E106K020AT	T356E106K020AT	10	.216	.400	.200	.62	.55	.38
80-T356F156K020AT	T356F156K020AT	15	.236	.440	.200	.87	.76	.59
80-T356M107K020AT	T356M107K020AT	100	.400	.740	.200	6.12	5.36	4.13
25 Volt								
80-T356C475K025AT	T356C475K025AT	4.7	.196	.380	.200	.57	.50	.38
80-T356E106K025AT	T356E106K025AT	10	.216	.400	.200	.67	.59	.45
80-T356H226K025AT	T356H226K025AT	22	.300	.470	.200	1.98	1.74	1.34
80-T356J336K025AT	T356J336K025AT	33	.330	.550	.200	2.72	2.38	1.84
80-T356K476K025AT	T356K476K025AT	47	.350	.610	.200	3.97	3.47	2.67
80-T356L686K025AT	T356L686K025AT	68	.350	.710	.200	8.50	7.45	5.75
35 Volt								
80-T356A105K035AT	T356A105K035AT	1.0	.175	.340	.200	.34	.30	.27
80-T356C225K035AT	T356C225K035AT	2.2	.196	.380	.200	.47	.42	.32
80-T356E475K035AT	T356E475K035AT	4.7	.216	.400	.200	.62	.55	.42
80-T356G106K035AT	T356G106K035AT	10	.250	.450	.200	1.07	.93	.69
80-T356K226K035AT	T356K226K035AT	22	.350	.610	.200	2.43	2.13	1.65
80-T356L336K035AT	T356L336K035AT	33	.350	.710	.200	5.78	5.07	3.91
50 Volt								
80-T356B105K050AT	T356B105K050AT	1.0	.175	.350	.200	.88	.58	.51
80-T356K106K050AT	T356K106K050AT	10	.350	.610	.200	3.46	3.02	2.43
80-T356M226K050AT	T356M226K050AT	22	.400	.740	.200	9.86	8.64	6.67

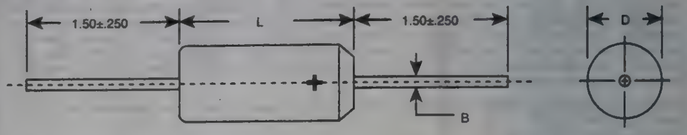
KEMET Tantalum Capacitors

T322 SERIES, TANTALUM, MOLDED AXIALS, 10% TOLERANCE

These capacitors offer an extremely high capacitance-to-volume ratio while still maintaining excellent performance. Ideally suited for use in printed wiring boards and all applications requiring a high degree of packaging density.

Typical applications include decoupling, blocking, bypassing and filtering in commercial computers, data processing, communications, and other electronic equipment. The low ESR/impedance at high frequencies offered by this capacitor is especially suitable for decoupling required by high speed computers. Voltage rated at 85°C. Derate voltage 33% at 125°C.

RoHS Compliant



DIMENSIONS (IN.)

6.3 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
80-T322B156K006AT	T322B156K006AT	15	.110	.290	.020	.78	.67	.52
80-T322D476K6AT	T322D476K006AT	47	.180	.420	.020	1.67	1.43	1.12
80-T322D686K6AT	T322D686K006AT	68	.180	.420	.020	1.81	1.55	1.21

10 Volt

For quantities of 250 and up , call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
80-T322A335K10AT	T322A335K010AT	3.3	.095	.260	.020	.72	.62	.48
80-T322B475K10AT	T322B475K010AT	4.7	.110	.290	.020	.78	.67	.52
80-T322B106K10AT	T322B106K010AT	10	.110	.290	.020	.78	.67	.52
80-T322C226K10AT	T322C226K010AT	22	.180	.345	.020	1.50	1.28	1.01
80-T322D336K10AT	T322D336K010AT	33	.180	.420	.020	1.67	1.43	1.12
80-T322D476K010AT	T322D476K010AT	47	.180	.420	.020	1.81	1.55	1.21
80-T322E107K10AT	T322E107K010AT	100	.280	.530	.025	4.55	3.90	3.06
80-T322F227K10AT	T322F227K010AT	220	.300	.710	.025	9.11	8.01	6.78

15 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
80-T322B335K15AT	T322B335K015AT	3.3	.110	.290	.020	.78	.67	.52
80-T322B685K15AT	T322B685K015AT	6.8	.110	.290	.020	.88	.76	.59
80-T322D226K15AT	T322D226K015AT	22	.180	.420	.020	1.67	1.43	1.12
80-T322D336K15AT	T322D336K015AT	33	.180	.420	.020	1.81	1.55	1.21
80-T322E107K015AT	T322E107K015AT	100	.280	.530	.025	6.06	5.19	4.07

20 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
80-T322A105K20AT	T322A105K020AT	1.0	.095	.260	.020	.72	.62	.48
80-T322B225K20AT	T322B225K020AT	2.2	.110	.290	.020	.78	.67	.52
80-T322B475K20AT	T322B475K020AT	4.7	.110	.290	.020	.88	.76	.59
80-T322C106K20AT	T322C106K020AT	10	.180	.345	.020	1.50	1.28	1.01
80-T322D156K020AT	T322D156K020AT	15	.180	.420	.020	1.67	1.43	1.12
80-T322D226K20AT	T322D226K020AT	22	.180	.420	.020	1.81	1.55	1.21
80-T322E476K020AT	T322E476K020AT	47	.280	.530	.025	4.55	3.90	3.06
80-T322F107K20AT	T322F107K020AT	100	.300	.710	.025	12.06	10.34	8.10

25 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
80-T322A105K25AT	T322A105K025AT	1.0	.095	.260	.020	.72	.62	.48
80-T322B225K25AT	T322B225K025AT	2.2	.110	.290	.020	.88	.76	.59
80-T322C685K25AT	T322C685K025AT	6.8	.180	.345	.020	1.50	1.28	1.01
80-T322C106K25AT	T322C106K025AT	10	.180	.345	.020	1.50	1.28	1.01
80-T322D156K25AT	T322D156K025AT	15	.180	.420	.020	1.81	1.55	1.21
80-T322E226K25AT	T322E226K025AT	22	.280	.530	.025	4.55	3.90	3.06
80-T322E476K25AT	T322E476K025AT	47	.280	.530	.025	6.06	5.19	4.07

35 Volt

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
80-T322A474K35AT	T322A474K035AT	0.47	.095	.260	.020	.72	.62	.48
80-T322B105K35AT	T322B105K035AT	1.0	.110	.290	.020	.78	.67	.52
80-T322C225K35AT	T322C225K035AT	2.2	.180	.345	.020	1.50	1.28	1.01
80-T322C335K035AT	T322C335K035AT	3.3	.180	.345	.020	1.50	1.28	1.01
80-T322C475K35AT	T322C475K035AT	4.7	.180	.345	.020	1.50	1.28	1.01
80-T322D565K35AT	T322D565K035AT	5.6	.180	.420	.020	1.67	1.43	1.12
80-T322D685K35AT	T322D685K035AT	6.8	.180	.420	.020	1.67	1.43	1.12
80-T322D106K035AT	T322D106K035AT	10	.180	.420	.020	1.81	1.55	1.21
80-T322E226K35AT	T322E226K035AT	22	.280	.530	.025	4.55	3.90	3.06
80-T322E336K35AT	T322E336K035AT	33	.280	.530	.025	6.06	5.19	4.07
80-T322F476K35AT	T322F476K035AT	47	.300	.710	.025	12.06	10.34	8.10

50 Volt

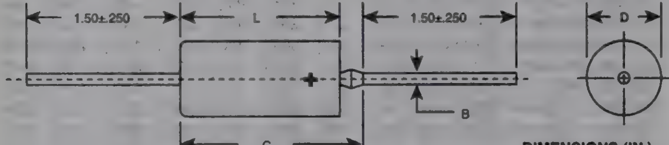
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.			Price Each		
			D	L	B	1	10	100
80-T322A104K50AT	T322A104K050AT	0.1	.095	.260	.020	.81	.69	.54
80-T322B105K50AT	T322B105K050AT	1	.114	.290	.020	1.06	.91	.71
80-T322E106K50AT	T322E106K050AT	10	.280	.530	.025	5.00	4.28	3.36
80-T322F226K50AT	T322F226K050AT	22	.300	.710	.025	14.98	12.84	10.06

T110 SERIES, TANTALUM HERMETICALLY SEALED, AXIAL, 10% TOLERANCE

KEMET standard hermetic sealed T110 Series are desirable for use in high humidity environments. They are ruggedly built, designed for miniaturized circuitry, and are especially suited for coupling, bypass filtering and R-C timing circuits. They exhibit excellent stability, extremely low DC leakage current, dissipation factor, and ESR/impedance over a wide temperature and frequency range. Voltage rated at 85°C. Derate voltage 33% at 125°C.

RoHS Compliant



DIMENSIONS (IN.)

6.3 Volt

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.				Price Each		
			D	L	B	C	1	25	50
80-T110B476K006AT	T110B476K006AT	47	.185	.474	.020	.610	1.93	1.73	1.54

10 Volt

For quantities of 100 and up, call for quote.

80-T110A105K010AT	T110A105K010AT	1.0	.135	.286	.020	.422	1.48	1.33	1.18
80-T110A475K010AT	T110A475K010AT	4.7	.135	.286	.020	.422	1.48	1.33	1.18
80-T110B106K010AT	T110B106K010AT	10	.185	.474	.020	.610	1.93	1.73	1.54
80-T110B226K010AT	T110B226K010AT	22	.185	.474	.020	.610	1.93	1.73	1.54
80-T110B336K010AT	T110B336K010AT	33	.185	.474	.020	.610	1.93	1.73	1.54
80-T110B396K010AT	T110B396K010AT	39	.185	.474	.020	.610	1.93	1.73	1.54
80-T110C107K010AT	T110C107K010AT	100	.289	.686	.025	.822	4.55	4.10	3.64
80-T110C127K010AT	T110C127K010AT	120	.289	.686	.025	.822	4.55	4.10	3.64
80-T110D227K010AT	T110D227K010AT	220	.351	.786	.025	.922	11.25	10.13	9.00

15 Volt

For quantities of 100 and up, call for quote.

80-T110A335K015AT	T110A335K015AT	3.3	.135	.286	.020	.422	1.48	1.33	1.18
80-T110B226K015AT	T110B226K015AT	22	.185	.474	.020	.610	1.93	1.73	1.54
80-T110D107K015AT	T110D107K015AT	100	.351	.786	.025	.922	11.25	10.13	9.00
80-T110D127K015AT	T110D127K015AT	120	.351	.786	.025	.922	11.25	10.13	9.00

20 Volt

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Value (μF)	Dimensions: in.				Price Each		
			D	L	B	C	1	25	50
80-T110A105K020AT	T110A105K020AT	1.0	.135	.286	.020	.422	1.48	1.33	1.18
80-T110A225K020AT	T110A225K020AT	2.2	.135	.286	.020	.422	1.48	1.33	1.18
80-T110B106K020AT	T110B106K020AT	10	.185	.474	.020	.610	1.93	1.73	1.54
80-T110B156K020AT	T110B156K020AT	15	.185	.474	.020	.610	1.93	1.73	1.54
80-T110C476K020AT	T110C476K020AT	47	.289	.686	.025	.822	4.55	4.10	3.64
80-T110D107K020AT	T110D107K020AT	100	.351	.786	.025	.922	11.25	10.13	9.00

35 Volt

For quantities of 100 and up, call for quote.

80-T110A474K035AT	T110A474K035AT	0.47	.135	.286	.020	.422	1.48	1.33	1.18
80-T110A105K035AT	T110A105K035AT	1.0	.135	.286	.020	.422	1.48	1.33	1.18
80-T110B225K035AT	T110B225K035AT	2.2	.185	.474	.020	.610	1.93	1.73	1.54
80-T110B335K035AT	T110B335K035AT	3.3	.185	.474	.020	.610	1.93	1.73	1.54
80-T110B475K035AT	T110B475K035AT	4.7	.185	.474	.020	.610	1.93	1.73	1.54
80-T110B565K035AT	T110B565K035AT	5.6	.185	.474	.020	.610	1.93	1.73	1.54
80-T110B685K035AT	T110B685K035AT	6.8	.185	.474	.020	.610	1.93	1.73	1.54
80-T110C106K035AT	T110C106K035AT	10	.289	.686	.025	.822	4.55	4.10	3.64
80-T110C226K035AT	T110C226K035AT	22	.289	.686	.025	.822	4.55	4.10	3.64
80-T110D476K035AT	T110D476K035AT	47	.351	.786	.025	.922	11.25	10.13	9.00

50 Volt

For quantities of 100 and up, call for quote.

80-T110A105K050AT	T110A105K050AT	1.0	.135	.286	.020	.422	1.53	1.37	1.22
80-T110B475K050AT	T110B475K050AT	4.7	.185	.474	.020	.610	2.03	1.82	1.62
80-T110C106K050AT	T110C106K050AT	10	.289	.686	.025	.822	4.68	4.21	3.74
80-T110D226K050AT	T110D226K050AT	22	.351	.786	.025	.922	11.38	10.24	9.10

VISHAY / SPRAGUE Radial Leaded Tantalum Capacitors

TYPE 199D SOLID TANTALUM CAPACITORS

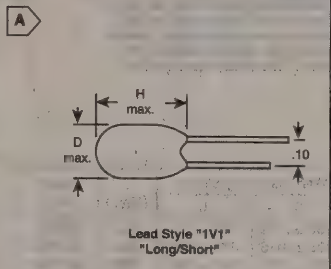
Solid-Electrolyte TANTALEX® Capacitors Resin-Coated, Radial-Lead

Features:
- Economy and high performance are combined in these radial-lead solid-electrolyte TANTALEX® capacitors.
- Rugged, reliable capacitors featuring low leakage current and low dissipation factor.

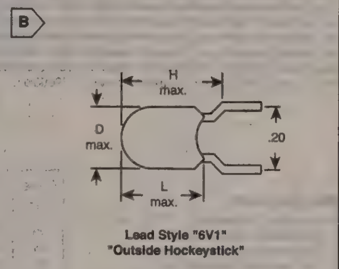
Performance Characteristics:
- Operating temperature: -55°C to +85°C
- Derate voltage: 33% @ 125°C
- Capacitance Tolerance: ±10%
- Lead size: 24AWG, 0.010 nom. dia.

Case Code	Dimensions: in. (mm)	
	Diameter D (Max.)	Length L (Max.)
A	0.177 (4.40)	0.280 (7.11)
B	0.196 (5.00)	0.300 (7.62)
C	0.216 (5.50)	0.360 (9.14)
D	0.236 (6.00)	0.400 (10.16)
E	0.340 (8.60)	0.492 (12.50)
F	0.380 (9.60)	0.650 (16.50)

DIMENSIONS (IN)



Lead Style "1V1"
"Long/Short"



Lead Style "6V1"
"Outside Hockeystick"

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Fig.	Value (µF)	Case Code	Volt (DC)	Max. DLC @ 25°C, (µA)	Max. DF @ +25°C 120 Hz (%)	Price Each				
								1	25	100	500	1000
74-199D6.3V10	199D106X96R3B1V1	A	10	B	6.3	0.6	8	.50	.44	.33	.28	.27
74-199D6.3V33	199D336X96R3C1V1	A	33	C	6.3	2	8	.71	.63	.47	.41	.38
74-199D6.3V47	199D476X96R3D1V1	A	47	D	6.3	2.9	8	.79	.70	.52	.45	.42
74-199D6.3V68	199D686X96R3D1V1	A	68	D	6.3	4	8	.93	.83	.62	.53	.50
74-199D6.3V100	199D107X96R3D1V1	A	100	D	6.3	5	10	2.29	2.04	1.52	1.31	1.23
74-199D6.3V150	199D157X96R3E6V1	B	150	E	6.3	6	10	3.36	2.88	2.40	1.92	1.73
74-199D10V4.7A	199D475X9010A1V1	A	4.7	A	10	0.5	6	.40	.36	.27	.23	.22
74-199D10V6.8B	199D685X9010B1V1	A	6.8	B	10	0.6	6	.59	.52	.39	.34	.32
74-199D10V10	199D106X9010B1V†	A	10	B	10	1	8	.56	.50	.37	.32	.30
74-199D10V22	199D226X9010C1V1	A	22	C	10	2	8	.74	.66	.49	.42	.40
74-199D10V33	199D336X9010D1V1	A	33	D	10	3	8	.87	.77	.57	.50	.46
74-199D10V47D	199D476X9010D1V1	A	47	D	10	4	8	1.55	1.38	1.03	.89	.83
74-199D10V68	199D686X9010D1V1	A	68	D	10	5	8	2.29	2.04	1.56	1.31	1.23
74-199D10V100	199D107X9010E6V1	B	100	E	10	6	10	2.98	2.65	1.97	1.70	1.59
74-199D10V220	199D227X9010F6V1	B	220	F	10	8	10	5.30	4.60	3.95	3.52	3.30
74-199D16V2.2	199D225X9016A1V1	A	2.2	A	16	0.5	6	.40	.36	.27	.23	.22
74-199D16V3.3	199D335X9016A1V1	A	3.3	A	16	0.5	6	.40	.36	.27	.23	.22
74-199D16V4.7	199D475X9016B1V1	A	4.7	B	16	0.7	6	.43	.39	.30	.26	.25
74-199D16V6.8	199D685X9016B1V1	A	6.8	B	16	1	6	.59	.52	.39	.34	.32
74-199D16V10	199D106X9016C1V1	A	10	C	16	1.5	8	.65	.58	.43	.37	.35
74-199D16V15	199D156X9016C1V1	A	15	C	16	2.4	8	.88	.75	.63	.50	.45
74-199D16V22	199D226X9016D1V1	A	22	D	16	3.5	8	.81	.72	.53	.46	.43
74-199D16V33	199D336X9016D1V1	A	33	D	16	4	8	1.55	1.38	1.06	.89	.83
74-199D16V47	199D476X9016E6V1	B	47	E	16	5	8	2.45	2.18	1.62	1.40	1.31
74-199D16V68	199D686X9016E6V1	B	68	E	16	6	8	2.98	2.65	1.97	1.70	1.59
74-199D16V100	199D107X9016F6V1	B	100	F	16	7	10	4.60	3.98	3.47	3.05	2.85
74-199D20V2.2	199D225X9020A1V1	A	2.2	A	20	0.5	6	.47	.41	.31	.27	.25
74-199D20V10	199D106X9020C1V1	A	10	C	20	2	8	.78	.69	.51	.44	.42
74-199D20V15	199D156X9020D1V1	A	15	D	20	2.5	8	.84	.75	.55	.48	.45
74-199D20V22	199D226X9020D1V1	A	22	D	20	3	8	1.55	1.38	1.03	.89	.83
74-199D20V47	199D476X9020E6V1	B	47	E	20	5	8	2.79	2.48	1.85	1.59	1.49
74-199D25V1	199D105X9025A1V1	A	1	A	25	0.5	4	.40	.36	.27	.23	.22
74-199D25V1.5	199D155X9025A1V1	A	1.5	A	25	0.5	6	.40	.36	.27	.23	.22
74-199D25V2.2	199D225X9025A1V1	A	2.2	A	25	0.5	6	.40	.36	.27	.23	.22
74-199D25V3.3	199D335X9025B1V1	A	3.3	B	25	0.8	6	.50	.44	.33	.28	.27
74-199D25V4.7	199D475X9025B1V1	A	4.7	B	25	1	6	.59	.52	.39	.34	.32
74-199D25V6.8	199D685X9025C1V1	A	6.8	C	25	1.5	6	.81	.72	.53	.46	.43
74-199D25V10	199D106X9025C1V1	A	10	C	25	2.5	8	.81	.72	.53	.46	.43
74-199D25V15	199D156X9025D1V1	A	15	D	25	3	8	1.71	1.52	1.13	.97	.91
74-199D25V22	199D226X9025D1V1	A	22	D	25	4	8	2.29	2.04	1.52	1.31	1.23
74-199D25V33	199D336X9025E6V1	B	33	E	25	5	8	2.91	2.59	1.93	1.66	1.56
74-199D25V47E	199D476X9025E6V1	B	47	E	25	6	8	4.50	4.00	2.97	2.57	2.41
74-199D25V68	199D686X9025F6V1	B	68	F	25	7	8	5.30	4.60	3.95	3.52	3.30
74-199D35V0.1	199D104X9035A1V1	A	0.1	A	35	0.5	4	.40	.36	.27	.23	.22
74-199D35V0.15	199D154X9035A1V1	A	0.15	A	35	0.5	4	.40	.36	.27	.23	.22
74-199D35V0.22	199D224X9035A1V1	A	0.22	A	35	0.5	4	.40	.36	.27	.23	.22
74-199D35V0.33	199D334X9035A1V1	A	0.33	A	35	0.5	4	.40	.36	.27	.23	.22
74-199D35V0.47	199D474X9035A1V1	A	0.47	A	35	0.5	4	.40	.36	.27	.23	.22
74-199D35V0.68	199D684X9035A1V1	A	0.68	A	35	0.5	4	.40	.36	.27	.23	.22
74-199D35V1.0	199D105X9035A1V1	A	1	A	35	0.5	4	.40	.36	.27	.23	.22
74-199D35V1.5	199D155X9035A1V1	A	1.5	A	35	0.5	6	.47	.41	.31	.27	.25
74-199D35V2.2	199D225X9035B1V1	A	2.2	B	35	0.7	6	.53	.47	.35	.30	.28
74-199D35V3.3	199D335X9035B1V1	A	3.3	B	35	1	6	.62	.55	.41	.35	.33
74-199D35V4.7	199D475X9035C1V1	A	4.7	C	35	1.5	6	.71	.63	.47	.41	.38
74-199D35V6.8	199D685X9035D1V1	A	6.8	D	35	2.3	6	.81	.72	.53	.46	.43
74-199D35V10	199D106X9035D1V1	A	10	D	35	3.5	8	2.17	1.93	1.44	1.23	1.16
74-199D35V15	199D156X9035E6V1	B	15	E	35	4	8	2.79	2.48	1.85	1.59	1.49
74-199D35V22	199D226X9035E6V1	B	22	E	35	5	8	2.79	2.48	1.85	1.59	1.49
74-199D35V33	199D336X9035F6V1	B	33	F	35	6	8	4.96	4.42	3.28	2.83	2.66
74-199D35V47	199D476X9035F6V1	B	47	F	35	7	8	5.30	4.60	3.95	3.52	3.30
74-199D50V0.1	199D104X9050A1V1	A	0.1	A	50	0.5	4	.45	.40	.30	.26	.24
74-199D50V0.22	199D224X9050A1V1	A	0.22	A	50	0.5	4	.63	.56	.50	.45	.40
74-199D50V0.33	199D334X9050A1V1	A	0.33	A	50	0.5	4	.50	.44	.33	.28	.27
74-199D50V1.0	199D105X9050B1V1	A	1	B	50	0.5	4	.51	.46	.34	.29	.27
74-199D50V1.5	199D155X9050C1V1	A	1.5	C	50	0.7	6	.76	.68	.50	.43	.41
74-199D50V2.2	199D225X9050C1V1	A	2.2	C	50	1.1	6	.81	.72	.53	.46	.43
74-199D50V4.7	199D475X9050D1V1	A	4.7	D	50	2	6	1.12	.99	.74	.64	.60
74-199D50V6.8	199D685X9050F6V1	B	6.8	F	50	3	6	2.73	2.43	1.80	1.56	1.46
74-199D50V10	199D106X9050F6V1	B	10	F	50	4	8	4.60	3.98	3.47	3.05	2.85
74-199D50V15	199D156X9050F6V1	B	15	F	50	5	8	5.43	4.83	3.59	3.10	2.91
74-199D50V22	199D226X9050F6V1	B	22	F	50	6	8	6.20	5.35	4.65	4.10	3.89

VISHAY TYPE 150D SOLID TANTALUM CAPACITORS

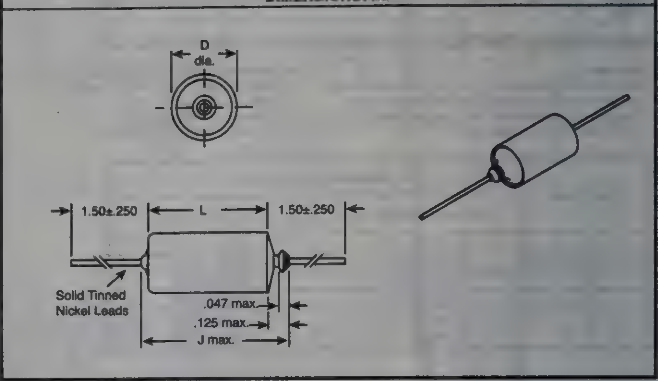
High performance, hermetically-sealed Type 150D TANTALEX® capacitors have set the standard for solid electrolyte tantalum capacitors for more than three decades. High capacitance, low DCL, low dissipation factor and exceptional operating stability have been proven in commercial, industrial and military applications. They are available in four case codes and capacitors are supplied with plastic-film insulation. Terminals are solid, tinned nickel wire leads. The Military equivalent to the 150D is the CSR13 which is qualified to MIL-C-39003/01.

Specifications:

- Operating Temperature: -55°C to +85°C
- Capacitance Tolerance: ±10%
- Dissipation Factor: @120Hz, +25°C
- Life Test: 2000 hours @ 85°C

Case Size	With Insulating Sleeve		J (Max.)	Lead Size
	D	L		
A	.135 ± .016	.286 ± .031	.422	24AWG
B	.185 ± .016	.474 ± .031	.610	24AWG
R	.289 ± .016	.686 ± .031	.822	22AWG
S	.351 ± .016	.786 ± .031	.922	22AWG

DIMENSIONS: In.



For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-150D6V47	150D476X9006B2B	6	47	B	1.73	1.55	1.38	1.17
74-150D10V4.7	150D475X9010A2B	10	4.7	A	1.38	1.24	1.10	.96
74-150D10V33	150D336X9010B2B	10	33	B	1.73	1.55	1.38	1.21
74-150D10V39	150D396X9010B2B	10	39	B	1.73	1.55	1.38	1.21
74-150D10V100	150D107X9010R2B	10	100	R	3.95	3.56	3.16	2.77
74-150D10V220	150D227X9010S2B	10	220	S	9.75	8.78	7.80	6.83
74-150D15V3.3	150D335X9015A2B	15	3.3	A	1.38	1.24	1.10	.96
74-150D15V22	150D226X9015B2B	15	22	B	1.73	1.55	1.38	1.21
74-150D15V150	150D157X9015S2B	15	150	S	9.75	8.78	7.80	6.83
74-150D20V2.2	150D225X9020A2B	20	2.2	A	1.38	1.24	1.10	.96
74-150D20V4.7	150D475X9020B2B	20	4.7	B	1.73	1.55	1.38	1.21
74-150D20V10	150D106X9020B2B	20	10	B	1.73	1.55	1.38	1.21
74-150D20V15	150D156X9020B2B	20	15	B	1.73	1.55	1.38	1.21
74-150D20V33	150D336X9020R2B	20	33	R	3.95	3.56	3.16	2.77
74-150D20V47	150D476X9020R2B	20	47	R	3.95	3.56	3.16	2.77
74-150D20V68	150D686X9020S2B	20	68	S	9.75	8.78	7.80	6.83
74-150D20V100	150D107X9020S2B	20	100	S	9.75	8.78	7.80	6.83
74-150D35V0.1	150D104X9035A2B	35	0.1	A	1.38	1.24	1.10	.96
74-150D35V0.22	150D224X9035A2B	35	0.22	A	1.38	1.24	1.10	.96
74-150D35V0.33	150D334X9035A2B	35	0.33	A	1.38	1.24	1.10	.96
74-150D35V0.47	150D474X9035A2B	35	0.47	A	1.38	1.24	1.10	.96
74-150D35V1.0	150D105X9035A2B	35	1	A	1.38	1.24	1.10	.96

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-150D35V2.2	150D225X9035B2B	35	2.2	B	1.73	1.55	1.38	1.21
74-150D35V2.7	150D275X9035B2B	35	2.7	B	1.30	1.17	1.04	.91
74-150D35V3.3	150D335X9035B2B	35	3.3	B	1.73	1.55	1.38	1.21
74-150D35V4.7	150D475X9035B2B	35	4.7	B	1.73	1.55	1.38	1.21
74-150D35V5.6	150D565X9035B2B	35	5.6	B	1.73	1.55	1.38	1.21
74-150D35V6.8	150D685X9035B2B	35	6.8	B	1.73	1.55	1.38	1.21
74-150D35V10	150D106X9035R2B	35	10	R	3.95	3.56	3.16	2.77
74-150D35V15	150D156X9035R2B	35	15	R	3.95	3.56	3.16	2.77
74-150D35V22	150D226X9035R2B	35	22	R	3.95	3.56	3.16	2.77
74-150D35V33	150D336X9035S2B	35	33	S	9.75	8.78	7.80	6.83
74-150D35V39	150D396X9035S2B	35	39	S	9.75	8.78	7.80	6.83
74-150D35V47	150D476X9035S2B	35	47	S	9.75	8.78	7.80	6.83
74-150D50V0.1	150D104X9050A2B	50	0.1	A	1.45	1.31	1.16	1.02
74-150D50V0.47	150D474X9050A2B	50	0.47	A	1.45	1.31	1.16	1.02
74-150D50V1.0	150D105X9050A2B	50	1	A	1.45	1.31	1.16	1.02
74-150D50V3.3	150D335X9050B2B	50	3.3	B	1.80	1.62	1.44	1.26
74-150D50V4.7	150D475X9050B2B	50	4.7	B	1.80	1.62	1.44	1.26
74-150D50V10	150D106X9050R2B	50	10	R	4.13	3.71	3.30	2.89
74-150D50V15	150D156X9050R2B	50	15	R	4.13	3.71	3.30	2.89
74-150D50V22	150D226X9050S2B	50	22	S	10.25	9.23	8.20	7.18
74-150D75V10	150D106X9075R2B	75	10	R	8.28	7.45	6.62	5.79
74-150D75V15	150D156X9075S2B	75	15	S	13.65	12.29	10.92	9.56

VISHAY TYPE 173D SOLID TANTALUM CAPACITORS

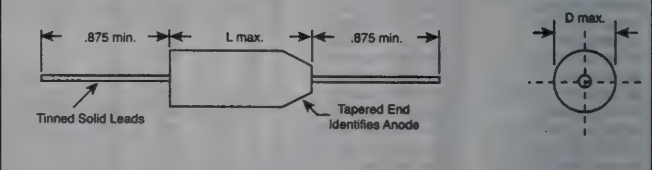
Type 173D molded case axial-lead TANTALEX® capacitors are designed for high performance automotive, industrial and commercial electronic equipment. Precision molded in gold colored, flame retardant, thermosetting epoxy resin, units are laser marked for improved legibility, while the tapered end of the case provides easy identification of the positive terminal.

Specifications:

- Operating Temperature: -55°C to +85°C
- Capacitance Tolerance: ±10%
- Dissipation Factor: @ 120Hz, +25°C
- Life Test: 2000 hours @ 85°C

Case Size	D (Max.)	L (Max.)	Lead Diameter
U	.095	.260	.020
V	.110	.290	.020
W	.180	.345	.020
X	.180	.420	.020
Y	.280	.550	.025

DIMENSIONS (IN)



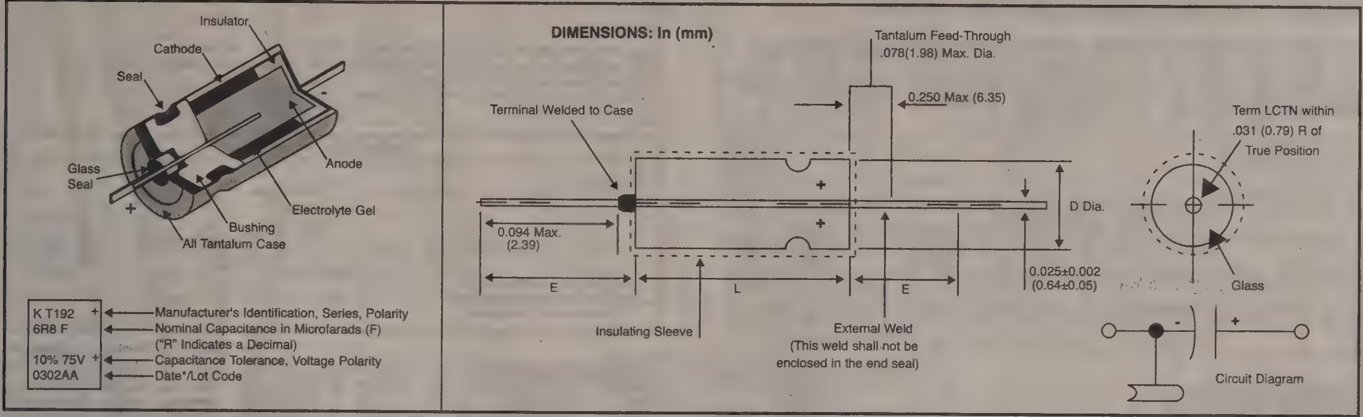
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-173D6V68	173D686X9006X	6	68	X	1.43	1.19	1.07	.86
74-173D10V10	173D106X9010V	10	10	V	.56	.46	.42	.33
74-173D10V22	173D226X9010W	10	22	W	1.08	.90	.81	.65
74-173D15V2.2	173D225X9015U	15	2.2	U	.50	.42	.38	.30
74-173D15V6.8	173D685X9015V	15	6.8	V	.62	.52	.47	.37
74-173D15V15	173D156X9015W	15	15	W	1.08	.90	.81	.65
74-173D15V22	173D226X9015X	15	22	X	1.26	1.05	.94	.75
74-173D15V33	173D336X9015X	15	33	X	1.43	1.19	1.07	.86
74-173D20V1.0	173D105X9020U	20	1	U	.50	.42	.38	.30
74-173D20V4.7	173D475X9020V	20	4.7	V	.62	.52	.47	.37
74-173D20V15	173D156X9020X	20	15	X	1.26	1.05	.94	.75
74-173D20V22	173D226X9020X	20	22	X	1.43	1.19	1.07	.86
74-173D20V100	173D107X9020Y	20	100	Y	6.99	5.83	5.24	4.19
74-173D25V1.0	173D105X9025U	25	1	U	.50	.42	.38	.30
74-173D25V2.2	173D225X9025V	25	2.2	V	.62	.52	.47	.37
74-173D25V3.3	173D335X9025V	25	3.3	V	.62	.52	.47	.37
74-173D25V6.8	173D685X9025W	25	6.8	W	1.08	.90	.81	.65
74-173D25V10	173D106X9025W	25	10	W	1.08	.90	.81	.65
74-173D25V12	173D126X9025X	25	12	X	1.43	1.19	1.07	.86
74-173D25V15	173D156X9025X	25	15	X	1.43	1.19	1.07	.86

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Volt (DC)	Value (µF)	Case Size	Price Each			
					1	25	50	100
74-173D25V47	173D476X9025Y	25	47	Y	4.92	4.10	3.69	2.95
74-173D35V0.1	173D104X9035U	35	0.1	U	.50	.42	.38	.30
74-173D35V0.33	173D334X9035U	35	0.33	U	.50	.42	.38	.30
74-173D35V0.47	173D474X9035U	35	0.47	U	.50	.42	.38	.30
74-173D35V1.0	173D105X9035V	35	1	V	.56	.46	.42	.33
74-173D35V1.5	173D155X9035V	35	1.5	V	.62	.52	.47	.37
74-173D35V2.2	173D225X9035W	35	2.2	W	1.08	.90	.81	.65
74-173D35V3.3	173D335X9035W	35	3.3	W	1.08	.90	.81	.65
74-173D35V4.7	173D475X9035W	35	4.7	W	1.08	.90	.81	.65
74-173D35V6.8	173D685X9035X	35	6.8	X	1.26	1.05	.94	.75
74-173D35V10	173D106X9035X	35	10	X	1.43	1.19	1.07	.86
74-173D35V22	173D226X9035Y	35	22	Y	3.69	3.08	2.77	2.21
74-173D35V47	173D476X9035Y	35	47	Y	6.99	5.83	5.24	4.19
74-173D50V0.1	173D104X9050U	50	0.1	U	.57	.47	.43	.34
74-173D50V0.22	173D224X9050U	50	0.22	U	.57	.47	.43	.34
74-173D50V0.47	173D474X9050V	50	0.47	V	.65	.55	.49	.39
74-173D50V1.0	173D105X9050V	50	1	V	.76	.63	.57	.46
74-173D50V2.2	173D225X9050W	50	2.2	W	1.22	1.02	.92	.73
74-173D50V4.7	173D475X9050X	50	4.7	X	1.73	1.44	1.29	1.04

KEMET Wet Tantalum Capacitors


Insulator
Cathode
Seal
Glass Seal
Anode
Electrolyte Gel
Bushing
All Tantalum Case
+
-
K T192 +
6R8 F
10% 75V +
0302AA
Manufacturer's Identification, Series, Polarity
Nominal Capacitance in Microfarads (F)
("R" Indicates a Decimal)
Capacitance Tolerance, Voltage Polarity
Date*/Lot Code
DIMENSIONS: In (mm)
Tantalum Feed-Through .078(1.98) Max. Dia.
0.250 Max (6.35)
Terminal Welded to Case
0.094 Max. (2.39)
+
+
D Dia.
0.025±0.002 (0.64±0.05)
E
L
E
Insulating Sleeve
External Weld (This weld shall not be enclosed in the end seal)
Term LCTN within .031 (0.79) R of True Position
Glass
-
+
Circuit Diagram

Features:

- Operating Temperature -55°C — +200°C
- Voltage rated @ 85°C, Derate 33% @ 125°C and 50% @ 200°C
- 6 — 125 Volts
- Capacitance Range — 1.7 µF - 2200.0 µF
- Capacitance Tolerance, ± 10%, ± 20%, ± 5% Available
- Low ESR
- Tantalum Case

Applications:

- Filtering, Bypass Circuits
- Coupling and Timing Circuits
- Low Source Impedance Circuits
- High Charging Current Circuits

KEMET Case Size	MIL-PRF-39006/22/25/30/31 Case Size	Uninsulated Case	Uninsulated Case	Insulated Case	
		L* +0.031 (0.79) -0.016 (0.41)	D 0.016 (0.41)	D Max.	E 0.25 (6.35)
A	T1	0.453 (11.51)	0.188 (4.78)	0.219 (5.56)	1.50 (38.10)
B	T2	0.641 (16.28)	0.281 (7.14)	0.312 (7.92)	2.25 (57.15)
C	T3	0.766 (19.46)	0.375 (9.52)	0.406 (10.31)	2.25 (57.15)
D	T4	1.062 (26.97)	0.375 (9.52)	0.406 (10.31)	2.25 (57.15)

High Temperature (+200°C)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	KEMET Part No.	Volt	Value (µF)	Case Size	Tol ±	Max. D.C. Leakage µA + 25°C	Max. D.C. % @ + 25°C 120 Hz	Max. ESR Ohms at + 25°C 120 Hz	Max. Ripple Current mArms at 85°C 40 KHz	Price Each				
										1	5	10	20	50
80-T197A306K006	T197A306K006AS	6	30	A	10%	1.0	9	3.98	820	29.97	27.00	22.41	21.60	20.25
80-T197A566K008	T197A566K008AS	8	56	A	10%	1.0	14	3.32	900	29.97	27.00	22.41	21.60	20.25
80-T197A206K010	T197A206K010AS	10	20	A	10%	1.0	6	3.98	820	29.97	27.00	22.41	21.60	20.25
80-T197A476K010	T197A476K010AS	10	47	A	10%	1.0	13	3.67	855	29.97	27.00	22.41	21.60	20.25
80-T197A156K015	T197A156K015AS	15	15	A	10%	1.0	5	4.42	780	29.97	27.00	22.41	21.60	20.25
80-T198A107K015	T198A107K015AS	15	100	A	10%	2.0	30	3.98	900	33.97	30.60	25.40	24.48	22.95
80-T197A106K025	T197A106K025AS	25	10	A	10%	1.0	4	5.31	715	29.97	27.00	22.41	21.60	20.25
80-T197A226K025	T197A226K025AS	25	22	A	10%	1.0	7.0	4.22	800	29.97	27.00	22.41	21.60	20.25
80-T197A226M025	T197A226M025AS	25	22	A	20%	1.0	7.0	4.22	800	29.97	27.00	22.41	21.60	20.25
80-T198A686K025	T198A686K025AS	25	68	A	10%	2.0	22	4.29	850	33.97	30.60	25.40	24.48	22.95
80-T197A156M030	T197A156M030AS	30	15	A	20%	1.0	5	4.42	780	29.97	27.00	22.41	21.60	20.25
80-T198A566K030	T198A566K030AS	30	56	A	10%	2.0	22	5.21	800	33.97	30.60	25.40	24.48	22.95
80-T197A106K050	T197A106K050AS	50	10	A	10%	1.0	4	5.31	715	29.97	27.00	22.41	21.60	20.25
80-T197A106M050	T197A106M050AS	50	10	A	20%	1.0	4	5.31	715	29.97	27.00	22.41	21.60	20.25
80-T197B476K050	T197B476K050AS	50	47	B	10%	1.0	13	3.11	1155	39.96	36.00	29.88	28.80	27.00
80-T197B476M050	T197B476M050AS	50	47	B	20%	1.0	13	3.11	1155	39.96	36.00	29.88	28.80	27.00
80-T198A336K050	T198A336K050AS	50	33	A	10%	2.0	12.3	4.95	700	33.97	30.60	25.40	24.48	22.95
80-T198B127K050	T198B127K050AS	50	120	B	10%	4.0	22.5	2.49	1200	43.96	39.60	32.87	31.68	29.70
80-T198B127M050	T198B127M050AS	50	120	B	20%	4.0	22.5	2.49	1200	43.96	39.60	32.87	31.68	29.70
80-T198D337K050	T198D337K050AS	50	330	D	10%	9.0	38	1.53	1900	69.93	63.00	52.29	50.40	47.25
80-T197B396K060	T197B396K060AS	60	39	B	10%	1.0	12	4.08	1110	39.96	36.00	29.88	28.80	27.00
80-T197B396M060	T197B396M060AS	60	39	B	20%	1.0	12	4.08	1110	39.96	36.00	29.88	28.80	27.00
80-T198B107K060	T198B107K060AS	60	100	B	10%	4.0	19	2.52	1100	43.96	39.60	32.87	31.68	29.70
80-T197A685K075	T197A685K075AS	75	6.8	A	10%	1.0	3.5	6.83	610	29.97	27.00	22.41	21.60	20.25
80-T197A685M075	T197A685M075AS	75	6.8	A	20%	1.0	3.5	6.83	610	29.97	27.00	22.41	21.60	20.25
80-T197B156K075	T197B156K075AS	75	15	B	10%	1.0	6.0	5.31	890	39.96	36.00	29.88	28.80	27.00
80-T197B336K075	T197B336K075AS	75	33	B	10%	1.0	10	4.02	1000	39.96	36.00	29.88	28.80	27.00
80-T197B336M075	T197B336M075AS	75	33	B	20%	1.0	10	4.02	1000	39.96	36.00	29.88	28.80	27.00
80-T198A226K075	T198A226K075AS	75	22	A	10%	3.0	8.5	5.13	600	33.97	30.60	25.40	24.48	22.95
80-T198A226M075	T198A226M075AS	75	22	A	20%	3.0	8.5	5.13	600	33.97	30.60	25.40	24.48	22.95
80-T198B826K075	T198B826K075AS	75	82	B	10%	4.0	15.2	2.46	1000	43.96	39.60	32.87	31.68	29.70
80-T198B826M075	T198B826M075AS	75	82	B	20%	4.0	15.2	2.46	1000	43.96	39.60	32.87	31.68	29.70
80-T197A255K100	T197A255K100AS	100	2.5	A	10%	1.0	2.0	10.62	505	29.97	27.00	22.41	21.60	20.25
80-T198A106K100	T198A106K100AS	100	10	A	10%	3.0	4.5	5.97	800	33.97	30.60	25.40	24.48	22.95
80-T198A106M100	T198A106M100AS	100	10	A	20%	3.0	4.5	5.97	800	33.97	30.60	25.40	24.48	22.95
80-T197A175K125	T197A175K125AS	125	1.7	A	10%	1.0	2.0	15.61	415	29.97	27.00	22.41	21.60	20.25
80-T197A365K125	T197A365K125AS	125	3.6	A	10%	1.0	3.0	11.05	520	29.97	27.00	22.41	21.60	20.25
80-T197A365M125	T197A365M125AS	125	3.6	A	20%	1.0	3.0	11.05	520	29.97	27.00	22.41	21.60	20.25
80-T197D566K125	T197D566K125AS	125	56	D	10%	10.0	6.5	1.54	1800	61.94	55.80	46.31	44.64	41.85
80-T198B276K125	T198B276K125AS	125	27	B	10%	5.0	7.2	3.54	1200	43.96	39.60	32.87	31.68	29.70
80-T198B276M125	T198B276M125AS	125	27	B	20%	5.0	7.2	3.54	1200	43.96	39.60	32.87	31.68	29.70
80-T198D826K125	T198D826K125AS	125	82	D	10%	12.0	17.4	2.82	1900	69.93	63.00	52.29	50.40	47.25
80-T198D826M125	T198D826M125AS	125	82	D	20%	12.0	17.4	2.82	1900	69.93	63.00	52.29	50.40	47.25

Commercial Version (+125°C)

- Operating Temperature -55°C — +125°C

For quantities of 100 and up, call for quote.

80-T192B476K050	T192B476K050AS	50	47	B	10%	1	11	3.11	1155	42.85	38.60	32.04	30.88	28.95
80-T195C277K050	T195C277K050AS	50	270	C	10%	8	37	1.82	1450	60.83	54.80	45.48	43.84	41.10
80-T195D337K050	T195D337K050AS	50	330	D	10%	9	38	1.53	1900	76.15	68.60	56.94	54.88	51.45
80-T195A276M060	T195A276M060AS	60	27	A	20%	3	10.2	5.01	700	35.96	32.40	26.89	25.92	24.30
80-T192B396K060	T192B396K060AS	60	39	B	10%	1	10	3.4	1110	42.85	38.60	32.04	30.88	28.95
80-T195B107M060	T195B107M060AS	60	100	B	20%	4	19	2.52	1100	47.73	43.00	35.69	34.40	32.25
80-T191C227M060	T191C227M060AS	60	220	C	20%	8	15	0.91	1400	69.93	63.00	52.29	50.40	47.25
80-T195B826K075	T195B826K075AS	75	82	B	10%	4	15.2	2.46	1000	47.73	43.00	35.69	34.40	32.25
80-T195D127K100	T195D127K100AS	100	120	D	10%	12	25	2.76	2000	76.15	68.60	56.94	54.88	51.45
80-T190B226K100	T190B226K100AS	100	22	B	10%	1	3.75	2.26	965	49.28	44.40	36.85	35.52	33.30
80-T192C306M100	T192C306M100AS	100	30	C	20%	2	7.0	3.1	1240	54.83	49.40	41.00	39.52	37.05
80-T195B396M100	T195B396M100AS	100	39	B	20%	5	10.4	3.54	1300	47.73	43.00	35.69	34.40	32.25
80-T195C686M100	T195C686M100AS	100	68	C	20%	10	11.3	2.21	1600	60.83	54.80	45.48	43.84	41.10
80-T195B276K125	T195B276K125AS	125	27	B	10%	5	7.2	3.54	1200	47.73	43.00	35.69	34.40	32.25
80-T195C476K125	T195C476K125AS	125	47	C	10%	10	7.9	2.23	1500	60.83	54.80	45.48	43.84	41.10
80-T191D826K125	T191D826K125AS	125	82	D	10%	12	8.70	1.41	1900	87.47	78.80	65.40	63.04	59.10
80-T195D826K125	T195D826K125AS	125	82	D	10%	12	17.4	2.82	1900	76.15	68.60	56.94	54.88	51.45

VISHAY / SPRAGUE Wet Tantalum Capacitors

VISHAY 135D WET TANTALUM CAPACITORS

Model 135D tantalum-case tantalum electrolytic capacitors incorporate the advantages of all the varieties of electrolytic capacitors and eliminate most of the disadvantages. These units have a 3 volt reverse voltage capability at +85°C and a higher ripple current capability than any other electrolytic type with similar combinations of capacitance and case size. Model 135D capacitors are commercial equivalents of Military Style CLR79 and CLR81, designed to meet the performance requirements of Military Specification MIL-C-39006/22/25.

Case Code		D	L1	L2 (Max.)	E	Weight In Grams (Max.)
Type 135D	CLR 79/81 Equiv.					
C	T1	0.188 ± 0.016 (4.78 ± 0.41)	0.453 + 0.031-0.016 (11.51 + 0.79-0.41)	0.734 (18.64)	1.500 ± 0.250 (38.10 ± 6.35)	2.6
F	T2	0.281 ± 0.016 (7.14 ± 0.41)	0.641 + 0.031 -0.016 (16.28 + 0.79-0.41)	0.922 (23.42)	2.250 ± 0.250 (57.15± 6.35)	6.2
T	T3	0.375 ± 0.016 (9.53 ± 0.41)	0.766 +0.031-0.016 (19.46 + 0.79-0.41)	1.047 (26.59)	2.250 ± 0.250 (57.15 ± 6.35)	11.6
K	T4	0.375 ± 0.016 (9.53 ± 0.41)	1.062 + 0.031-0.016 (26.97 + 0.79-0.41)	1.343 (34.11)	2.250 ± 0.250 (57.15 ± 6.35)	17.7

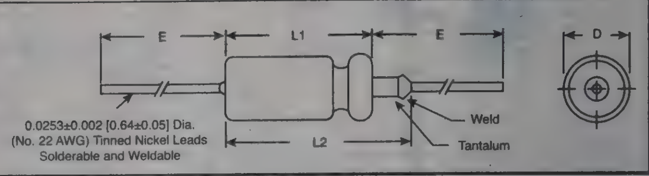
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Tol.± %	Price Each			
Mfr.	Mfr. Part No.					1	5	10	20
74—	135D127X0010C6	10	120	C	20	41.48	38.16	33.18	29.86
74—	135D107X9015C6	15	100	C	10	31.48	28.16	27.18	24.85
74—	135D107X0015C6	15	100	C	20	41.48	38.16	33.18	29.86
74—	135D277X0015F6	15	270	F	20	55.03	50.62	44.02	39.62
74—	135D397X0015F6	15	390	F	20	55.03	50.62	44.02	39.62
74—	135D226X0025C6	25	22	C	20	37.18	34.20	29.74	26.77
74—	135D566X9025C6	25	56	C	10	30.00	28.16	27.56	24.88
74—	135D566X0025C6	25	56	C	20	41.48	38.16	33.18	29.86
74—	135D686X9025C6	25	68	C	10	29.86	29.10	24.89	24.87
74—	135D107X9025F6	25	100	F	10	36.53	35.32	33.00	29.70
74—	135D107X0025F6	25	100	F	20	49.53	45.46	39.62	35.66
74—	135D277X9025F6	25	270	F	10	39.62	38.00	33.01	32.77
74—	135D277X0025F6	25	270	F	20	55.03	50.62	44.02	39.62
74—	135D156X0030C6	30	15	C	20	37.18	34.20	29.74	26.77
74—	135D476X0030C6	30	47	C	20	41.48	38.16	33.18	29.86
74—	135D566X0030C6	30	56	C	20	41.48	38.16	33.18	29.86
74—	135D157X0030F6	30	150	F	20	55.03	50.62	44.02	39.62
74—	135D396X0035C6	35	39	C	20	41.48	38.16	33.18	29.86
74—	135D106X9050C6	50	10	C	10	26.77	24.59	22.31	22.00
74—	135D106X0050C6	50	10	C	20	37.18	34.20	29.74	26.77
74—	135D336X9050C6	50	33	C	10	30.00	28.16	27.56	24.88
74—	135D476X0050F6	50	47	F	20	49.53	45.46	39.62	35.66
74—	135D127X9050F6	50	120	F	10	40.00	37.80	35.78	33.00
74—	135D127X0050F6	50	120	F	20	55.03	50.62	44.02	39.62
74—	135D167X0050K6	50	160	K	20	78.10	71.85	62.48	56.23
74—	135D825X0060C6	60	8.2	C	20	37.18	34.20	29.74	26.77

Specifications:

- Operating Temperature: -55°C to +85°C. derate 33% @ 125°C and 50% @ 200°C.
- Life Test: Capacitors are capable of withstanding a 2000 hour life test at a temperature of +85°C or +125°C at the applicable rated DC working voltage.
- Insulation: All parts below have a High Temperature Film Insulation (above +125°C).

DIMENSIONS: in. (mm)


E
L1
E
D
0.0253±0.002 [0.64±0.05] Dia.
(No. 22 AWG) Tinned Nickel Leads
Solderable and Weldable
L2
Weld
Tantalum

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Tol.± %	Price Each			
Mfr.	Mfr. Part No.					1	5	10	20
74—	135D276X9060C6	60	27	C	10	30.00	28.16	27.56	24.88
74—	135D396X0060F6	60	39	F	20	49.53	45.46	39.62	35.66
74—	135D107X9060F6	60	100	F	10	39.62	37.00	33.02	32.99
74—	135D107X0060F6	60	100	F	20	55.03	50.62	44.02	39.62
74—	135D147X0060K6	60	140	K	20	78.10	71.85	62.48	56.23
74—	135D685X0075C6	75	6.8	C	20	37.18	34.20	29.74	26.77
74—	135D226X9075C6	75	22	C	10	29.86	28.50	24.89	24.50
74—	135D226X0075C6	75	22	C	20	41.48	38.16	33.18	29.86
74—	135D336X0075F6	75	33	F	20	49.53	45.46	39.62	35.66
74—	135D826X0075F6	75	82	F	20	55.03	50.62	44.02	39.62
74—	135D227X9075K6	75	220	K	10	63.23	61.10	52.70	50.90
74—	135D475X9100C6	100	4.7	C	10	27.90	27.20	26.88	22.28
74—	135D475X0100C6	100	4.7	C	20	37.18	34.20	29.74	26.77
74—	135D106X9100C6	100	10	C	10	33.00	31.30	28.00	24.80
74—	135D106X0100C6	100	10	C	20	41.48	38.16	33.18	29.86
74—	135D226X0100F6	100	22	F	20	49.53	45.46	39.62	35.66
74—	135D175X0125C6	125	1.7	C	20	37.18	34.20	29.74	26.77
74—	135D365X0125C6	125	3.6	C	20	37.18	34.20	29.74	26.77
74—	135D685X9125C6	125	6.8	C	10	30.00	28.94	27.00	24.88
74—	135D146X9125F6	125	14	F	10	40.00	35.32	35.00	29.65
74—	135D256X0125T6	125	25	T	20	63.23	58.17	50.58	45.52
74—	135D276X9125F6	125	27	F	10	40.00	37.12	36.02	33.00
74—	135D276X0125F6	125	27	F	20	55.03	50.62	44.02	39.62
74—	135D476X9125T6	125	47	T	10	70.00	64.40	56.00	42.00
74—	135D566X9125K6	125	56	K	10	78.10	71.85	62.48	46.86
74—	135D566X0125K6	125	56	K	20	78.10	71.85	62.48	56.23
74—	135D826X0125K6	125	82	K	20	87.83	80.80	70.26	63.23

VISHAY 109D WET TANTALUM CAPACITORS

Model 109D tubular elastomer-sealed, gelled-electrolyte sintered anode TANTALEX® capacitors fill the basic requirements for applications where a superior quality, reliable design for industrial, automotive and telecommunications applications is desired. Type 109D capacitors are commercial equivalents of Military Style CL64 and CL65, designed to meet the performance requirements of Military Specification MIL-C-3965.

Specifications:

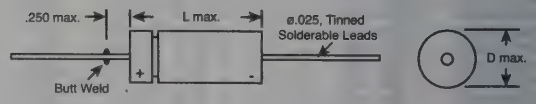
- Operating temperature: -55°C to +85°C, derate 33% @ 125°C
- Capacitance tolerance: ±10%

Case Size	With Plastic-Film Insulating Sleeve		Lead Length ± .250
	D ± 0.016 (Max.)	L (Max.)	
C	.219	.608	1.500
F	.312	.796	2.250
T	.406	.921	2.250
K	.406	1.217	2.250

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Price Each				
Mfr.	Mfr. Part No.				1	5	10	20	50
74—	109D157X9010C2	10	150	C	21.36	19.19	17.97	16.80	15.94
74—	109D567X9010F2	10	560	F	25.25	21.73	20.72	20.58	18.73
74—	109D108X9010T2	10	1000	T	31.81	28.58	26.76	25.28	23.75
74—	109D158X9010K2	10	1500	K	43.96	39.49	36.98	34.95	32.82
74—	109D107X9015C2	15	100	C	21.36	19.19	17.97	16.90	15.94
74—	109D397X9015F2	15	390	F	25.25	21.73	20.72	20.58	18.73
74—	109D827X9015T2	15	820	T	31.81	28.58	26.76	25.28	23.75
74—	109D226X9025C2	25	22	C	17.08	15.34	14.37	13.58	12.75
74—	109D686X9025C2	25	68	C	21.36	19.19	17.97	16.90	15.94
74—	109D107X9025F2	25	100	F	20.17	18.12	16.97	16.00	15.06
74—	109D277X9025F2	25	270	F	25.25	22.68	20.74	20.58	18.71
74—	109D567X9025T2	25	560	T	31.81	28.58	26.13	25.94	23.60
74—	109D687X9025K2	25	680	K	43.96	39.49	36.98	34.94	32.82
74—	109D156X9030C2	30	15	C	17.08	15.34	14.37	13.50	12.75
74—	109D476X9030C2	30	47	C	21.36	19.19	17.97	16.80	15.94
74—	109D157X9030F2	30	150	F	25.25	21.73	20.72	20.58	18.73
74—	109D187X9030F2	30	180	F	25.25	21.73	20.72	20.58	18.73
74—	109D227X9030F2	30	220	F	25.25	21.73	20.72	20.58	18.73
74—	109D337X9030T2	30	330	T	31.81	28.58	26.76	25.28	23.75
74—	109D477X9030T2	30	470	T	31.81	28.58	26.76	25.28	23.75
74—	109D106X9050C2	50	10	C	17.08	15.34	14.37	13.57	12.75
74—	109D336X9050C2	50	33	C	21.36	19.19	17.55	17.42	15.80

DIMENSIONS (IN)

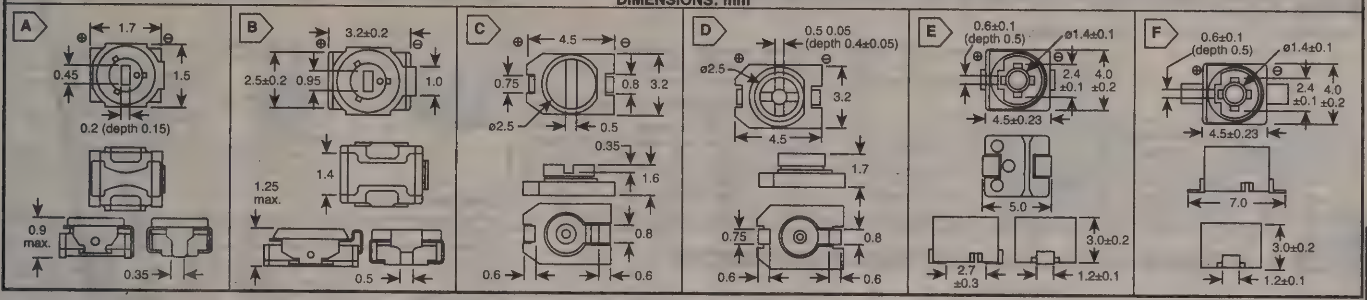


For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Volt (DC)	Value (µF)	Case Size	Price Each				
Mfr.	Mfr. Part No.				1	5	10	20	50
74—	109D476X9050F2	50	47	F	20.17	16.56	16.55	16.45	14.96
74—	109D127X9050F2	50	120	F	25.25	21.73	20.72	20.58	18.73
74—	109D277X9050T2	50	270	T	31.81	28.58	26.12	25.94	23.58
74—	109D337X9050K2	50	330	K	43.96	39.49	36.98	34.94	32.82
74—	109D686X9060F2	60	68	F	25.25	21.73	20.72	20.58	18.73
74—	109D107X9060F2	60	100	F	25.25	21.73	20.72	20.58	18.73
74—	109D227X9060T2	60	220	T	31.81	28.58	26.76	25.29	23.75
74—	109D156X9075C2	75	15	C	21.36	19.19	17.97	16.90	15.94
74—	109D226X9075C2	75	22	C	21.36	17.54	17.53	17.42	15.84
74—	109D336X9075F2	75	33	F	20.17	18.12	16.97	16.00	15.06
74—	109D406X9075T2	75	40	T	25.47	22.88	21.43	20.24	19.02
74—	109D476X9075F2	75	47	F	25.25	21.73	20.72	20.58	18.73
74—	109D566X9075F2	75	56	F	25.25	21.73	20.72	20.58	18.73
74—	109D826X9075F2	75	82	F	25.25	21.73	20.72	20.58	18.73
74—	109D117X9075T2	75	110	T	31.81	28.58	25.29	25.28	23.75
74—	109D187X9075T2	75	180	T	31.81	26.13	26.12	25.94	23.60
74—	109D475X9100C2	100	4.7	C	17.08	15.34	14.37	13.50	12.75
74—	109D106X9100C2	100	10	C	21.36	19.19	17.97	16.90	15.94
74—	109D226X9100F2	100	22	F	20.17	18.12	16.97	16.00	15.06
74—	109D396X9100F2	100	39	F	25.25	21.73	20.72	20.58	18.73
74—	109D686X9100T2	100	68	T	31.81	28.58	26.76	25.28	23.75

MURATA Lead Free SMD Ceramic Trimmer Capacitors

DIMENSIONS: mm



TZR1 SERIES

Features:
Unique construction with no plastic material provides superior soldering heat resistance to maintain excellent characteristic performance after reflow soldering. Suitable for high frequency circuit due to high self resonant frequency.

Specifications:
- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 0.1 to 1.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstanding Voltage	Price Each			Reel Qty.	Price Each
									1	10	100		
81-TZR1Z010A001R00	TZR1Z010A001R00	A	0.55	1.0 + 100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc	2.12	1.85	1.45	3000	1.42
81-TZR1Z1R5A001R00	TZR1Z1R5A001R00	A	0.7	1.5 + 100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc	2.12	1.85	1.45	3000	1.42
81-TZR1Z040A001R00	TZR1Z040A001R00	A	1.5	4.0 + 100/-0%	NP0 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.44	1.26	.99	3000	.54
81-TZR1R080A001R00	TZR1R080A001R00	A	3.0	8.0 + 100/-0%	N750 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	1.44	1.26	.99	3000	.54

TZY2 SERIES

Features:
New shape of cover can improve the flux invasion compared with current products. Improvement of the adhesion between rotor and stator leads to superior stability. Unique construction with no plastic material provides superior soldering heat resistance to maintain excellent characteristic performance after reflow soldering. Suitable for high frequency circuit due to high self resonant frequency.

Specifications:
- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 0.5 to 5.0mNm

81-TZY2Z010A001R00	TZY2Z010A001R00	B	0.5	1.0 + 100/-0%	NP0 ± 300	200 Min. @ 200MHz Cmax	25Vdc	55Vdc	.89	.77	.61	2000	.59
81-TZY2Z2R5A001R00	TZY2Z2R5A001R00	B	0.7	2.5 + 100/-0%	NP0 ± 300	200 Min. @ 100MHz Cmax	25Vdc	55Vdc	.68	.59	.46	2000	.45
81-TZY2Z030A001R00	TZY2Z030A001R00	B	1.5	3.0 + 100/-0%	NP0 ± 300	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.59	.46	2000	.45
81-TZY2Z060A001R00	TZY2Z060A001R00	B	2.5	6.0 + 100/-0%	NP0 ± 300	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.59	.46	2000	.45
81-TZY2Z100A001R00	TZY2Z100A001R00	B	3.0	10.0 + 100/-0%	NP0 ± 300	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.59	.46	2000	.45
81-TZY2R200A001R00	TZY2R200A001R00	B	4.5	20.0 + 100/-0%	N750 ± 500	500 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.59	.46	2000	.45
81-TZY2R250A001R00	TZY2R250A001R00	B	5.5	25.0 + 100/-0%	N750 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	.68	.59	.46	2000	.45
81-TZY2K450A001R00	TZY2K450A001R00	B	8.0	45.0 + 100/-0%	N1000 ± 500	300 Min. @ 1MHz Cmax	25Vdc	55Vdc	.79	.69	.54	2000	.52

TZC3 SERIES

Features:
Color coded stator permits easy identification of capacitance and reduces mounting errors. Can be adjusted with conventional adjustment tools having a thickness of 0.5mm. Designed for automatic placement in surface mount applications. Heat resistant resin withstands reflow soldering temperature.

Specifications:
- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 1.5 to 10.0mNm

MOUSER STOCK NO.	Murata Part No.	Fig.	C. Min (pF) Max	C. Max (pF)	TCC (ppm/°C)	Q	Rated Voltage	Withstand Voltage	Stator/Case Color	Price Each			Reel Qty.	Price Each
										1	10	100		
81-TZC3Z030A110R00	TZC3Z030A110R00	C	1.4	3.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	.63	.55	.43	1000	.42
81-TZC3Z060A110R00	TZC3Z060A110R00	C	2.0	6.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.63	.55	.43	1000	.42
81-TZC3R100A110R00	TZC3R100A110R00	C	3.0	10.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.63	.55	.43	1000	.42
81-TZC3P200A110R00	TZC3P200A110R00	C	5.0	20.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.63	.55	.43	1000	.42
81-TZC3P300A110R00	TZC3P300A110R00	C	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.63	.55	.43	1000	.42
81-TZC3Z030A310R00	TZC3Z030A310R00	D	1.4	3.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	.63	.55	.43	1000	.42
81-TZC3Z060A310R00	TZC3Z060A310R00	D	2.0	6.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.63	.55	.43	1000	.42
81-TZC3R100A310R00	TZC3R100A310R00	D	3.0	10.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.63	.55	.43	1000	.42
81-TZC3P200A310R00	TZC3P200A310R00	D	5.0	20.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.63	.55	.43	1000	.42
81-TZC3P300A310R00	TZC3P300A310R00	D	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.63	.55	.43	1000	.42

TZB4 SERIES

Features:
Color coded case facilitates identification of capacitance range.
Designed for automatic placement in surface mount applications.

Specifications:
- Operating Temperature: -25°C to +85°C
- Insulation Resistance: 10,000MΩ min.
- Torque: 1.5 to 10.0mNm

81-TZB4Z030AA10R00	TZB4Z030AA10R00	E	1.4	3.0 + 50/-0%	NP0 ± 200	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	.76	.66	.52	500	.31
81-TZB4Z060AA10R00	TZB4Z060AA10R00	E	2.0	6.0 + 50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.76	.66	.52	500	.31
81-TZB4Z100AA10R00	TZB4Z100AA10R00	E	3.0	10.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.76	.66	.52	500	.31
81-TZB4Z250AA10R00	TZB4Z250AA10R00	E	4.0	25.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.35	1.18	.93	500	.56
81-TZB4R200AA10R00	TZB4R200AA10R00	E	4.5	20.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.76	.66	.52	500	.31
81-TZB4P300AA10R00	TZB4P300AA10R00	E	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.76	.66	.52	500	.31
81-TZB4R500AA10R00	TZB4R500AA10R00	E	7.0	50.0 + 50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.35	1.18	.93	500	.56
81-TZB4P400AA10R00	TZB4P400AA10R00	E	8.5	40.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Yellow	.76	.66	.52	500	.31
81-TZB4Z030BA10R00	TZB4Z030BA10R00	F	1.4	3.0 + 50/-0%	NP0 ± 200	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Brown	.76	.66	.52	500	.31
81-TZB4Z060BA10R00	TZB4Z060BA10R00	F	2.0	6.0 + 50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.76	.66	.52	500	.31
81-TZB4Z100BA10R00	TZB4Z100BA10R00	F	3.0	10.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.76	.66	.52	500	.31
81-TZB4Z250BA10R00	TZB4Z250BA10R00	F	4.0	25.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.35	1.18	.93	500	.56
81-TZB4R200BA10R00	TZB4R200BA10R00	F	4.5	20.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.76	.66	.52	500	.31
81-TZB4P300BA10R00	TZB4P300BA10R00	F	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.76	.66	.52	500	.31
81-TZB4R500BA10R00	TZB4R500BA10R00	F	7.0	50.0 + 50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.35	1.18	.93	500	.56
81-TZB4P400BA10R00	TZB4P400BA10R00	F	8.5	40.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Yellow	.76	.66	.52	500	.31
81-TZB4Z060AB10R00	TZB4Z060AB10R00	E	2.0	6.0 + 50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.79	.70	.56	500	.34
81-TZB4Z100AB10R00	TZB4Z100AB10R00	E	3.0	10.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.79	.70	.56	500	.34
81-TZB4Z250AB10R00	TZB4Z250AB10R00	E	4.0	25.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.04	.95	.81	500	.59
81-TZB4R200AB10R00	TZB4R200AB10R00	E	4.5	20.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.79	.70	.56	500	.34
81-TZB4P300AB10R00	TZB4P300AB10R00	E	6.5	30.0 + 50/-0%	N1200 ± 500	300 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Green	.79	.70	.56	500	.34
81-TZB4R500AB10R00	TZB4R500AB10R00	E	7.0	50.0 + 50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.04	.95	.81	500	.59
81-TZB4Z060BB10R00	TZB4Z060BB10R00	F	2.0	6.0 + 50/-0%	NP0 ± 200	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Blue	.79	.70	.56	500	.34
81-TZB4Z100BB10R00	TZB4Z100BB10R00	F	3.0	10.0 + 50/-0%	NP0 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	White	.79	.70	.56	500	.34
81-TZB4Z250BB10R00	TZB4Z250BB10R00	F	4.0	25.0 + 50/-0%	NP0 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.04	.95	.81	500	.59
81-TZB4R200BB10R00	TZB4R200BB10R00	F	4.5	20.0 + 50/-0%	N750 ± 300	500 Min. @ 1MHz, Cmax	100Vdc	220Vdc	Red	.79	.70	.56	500	.34
81-TZB4R500BB10R00	TZB4R500BB10R00	F	7.0	50.0 + 50/-0%	N750 ± 300	300 Min. @ 1MHz, Cmax	50Vdc	110Vdc	Black+Mark	1.04	.95	.81	500	.59

SPRAGUE GOODMAN SMD and Ceramic Trimmer Capacitors

SURFTRIM® GKRP SERIES SMD TRIMMER CAPACITORS

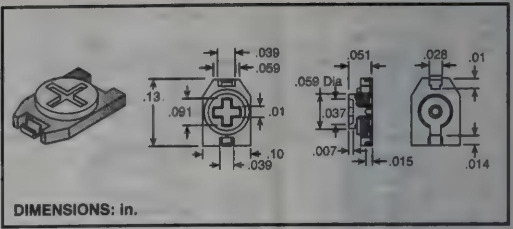
Features:
- Low mounting profile
- Sealed for washability
- Self resonant frequency above 1GHz

Specifications:
- Operating temperature range: -40°C to +85°C
- Voltage rating: 25 VDC
- Dielectric withstanding voltage: 75 VDC
- Insulation resistance: 10^4 MΩ min.
- Torque: 10 to 150 g-cm (0.14 to 2.1 oz-in)

3.2 x 2.5 x 1.3mm

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Sprague Goodman Part No.	Cap. Range (pF)		TCC (ppm/°C)	Q (min) @1MHz	Price Each			Per Reel of 2000 (ea.)
		Min	Max			1	25	100	
659-GKRP10	GKRP10066	3.0	10	0 ± 500	150	1.48	1.30	.99	.68
659-GKRP20	GKRP20066	5.0	20	N750 ± 500	150	1.48	1.30	.99	.68
659-GKRP30	GKRP30066	7.0	30	N750 ± 500	150	1.48	1.30	.99	.68


.039
.059
.051
.028
.01
.059 Dia
.13
.091
.01
.037
.10
.039
.007
.015
.014
DIMENSIONS: In.

SURFTRIM® GKY SERIES SMD TRIMMER CAPACITORS

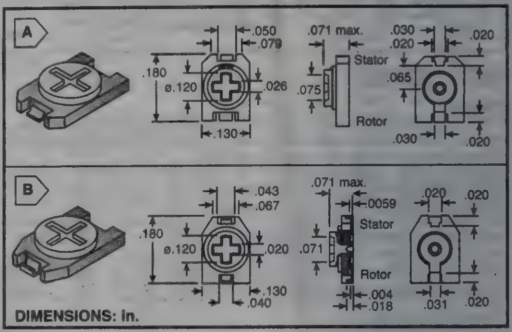
Features:
- Designed for reflow soldering

Specifications:
- Operating temperature range:
  GKYxx066 series: -25°C to +85°C
  GKYxx086 series: -40°C to +85°C
- Voltage rating:
  GKYxx066 series: 100 VDC
  GKYxx086 series: 25VDC
- Dielectric withstanding voltage:
  GKYxx066 series: 220 VDC
  GKYxx086 series: 25 VDC
- Torque: 10 to 150 g-cm (0.14 to 2.08 oz-in)
- Insulation resistance: 10^4 MΩ min.

3.2 x 4.5 x 1.8mm

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each			Per Reel of 1000 (ea.)
			Min	Max				1	25	100	
659-GKY3R066	GKY3R066	A	1.7	3.0	499	NPO± 300	Brown	.93	.82	.70	.42
659-GKY6R066	GKY6R066	A	2.5	6.0	499	NPO± 300	Blue	.93	.82	.70	.42
659-GKY10066	GKY10066	A	3.0	10.0	499	N400± 400	White	.93	.82	.70	.42
659-GKY20066	GKY20066	A	5.0	20.0	300	N900± 400	Red	.93	.82	.70	.42
659-GKY30066	GKY30066	A	6.0	30.0	300	N1200± 500	Green	.93	.82	.70	.42
659-GKY40086	GKY40086	B	4.5	40.0	300	N750± 500	---	1.02	.97	.85	.51
659-GKY50086	GKY50086	B	4.5	50.0	300	N750± 500	---	1.02	.97	.85	.51


A
.050
.079
.071 max.
.030
.020
.020
Stator
.180
ø.120
.026
.065
.075
Rotor
.130
.030
.020
B
.043
.067
.071 max.
.0059
.020
.020
Stator
.180
ø.120
.020
.071
Rotor
.130
.040
.004
.018
.031
.020
DIMENSIONS: In.

GKG SERIES CERAMIC TRIMMER CAPACITORS

Features:
- Low cost due to automated construction
- Wide selection of capacitance ranges
- Color coded housings

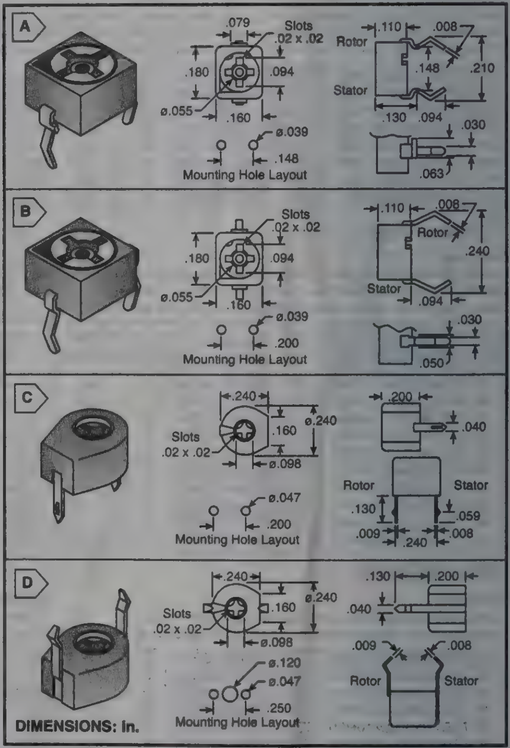
Specifications:
- Operating temperature range: -25°C to +85°C
- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 220 VDC
- Insulation resistance: 10^4 MΩ min.
- Torque: 10 to 100 g-cm (0.14 to 1.39 oz-in)

4 x 4.5 x 2.7mm

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each		
			Min	Max				1	25	100
Top Adjust 4 x 4.5mm Ceramic Trimmer Capacitors										
*659-GKG3R021	GKG3R021	A	1.4	3.0	300	NPO± 200	Red Dot	.59	.51	.37
659-GKG6R021	GKG6R021	A	2.0	6.0	500	NPO± 200	Blue	.59	.51	.37
659-GKG10021	GKG10021	A	3.0	10.0	500	NPO± 300	White	.59	.51	.37
659-GKG20021	GKG20021	A	4.5	20.0	500	N900± 350	Red	.59	.51	.37
659-GKG30021	GKG30021	A	6.5	30.0	300	N1100± 450	Green	.59	.51	.37
659-GKG50021	GKG50021	A	15.0	50.0	300	N1700± 500	Orange	.59	.51	.37
Top Adjust 4 x 4.5mm Ceramic Trimmer Capacitors										
*659-GKG3R024	GKG3R024	B	1.4	3.0	300	NPO± 200	Red Dot	.56	.50	.44
659-GKG6R024	GKG6R024	B	2.0	6.0	500	NPO± 200	Blue	.56	.50	.44
659-GKG10024	GKG10024	B	3.0	10.0	500	NPO± 300	White	.56	.50	.44
659-GKG20024	GKG20024	B	4.5	20.0	500	N900± 350	Red	.56	.50	.44
659-GKG30024	GKG30024	B	6.5	30.0	300	N1100± 450	Green	.59	.51	.37
659-GKG50024	GKG50024	B	15.0	50.0	300	N1700± 500	Orange	.56	.50	.44
Economical Top Adjust 6mm Ceramic Trimmer Capacitors										
659-GKG3R015	GKG3R015	C	1.3	3.0	300	NPO± 250	Black	.20	.18	.15
659-GKG5R015	GKG5R015	C	2.0	5.0	300	NPO± 250	Blue	.20	.18	.15
659-GKG10015	GKG10015	C	3.0	10.0	† 300	NPO± 250	White	.20	.18	.15
659-GKG20015	GKG20015	C	5.0	20.0	† 300	N750± 250	Red	.20	.18	.15
659-GKG30015	GKG30015	C	6.5	30.0	† 200	N1000± 500	Green	.20	.18	.15
659-GKG40015	GKG40015	C	7.0	40.0	† 200	N2200± 800	Yellow	.20	.18	.15
659-GKG50015	GKG50015	C	10.0	50.0	† 200	N2200± 800	Brown	.20	.18	.15
659-GKG60015	GKG60015	C	12.0	60.0	200	N2200± 800	Brown	.20	.18	.15
659-GKG70015	GKG70015	C	15.0	70.0	200	N2200± 800	Brown	.20	.18	.15
Economical Bottom Adjust 6mm Ceramic Trimmer Capacitors										
659-GKG5R016	GKG5R016	D	2.0	5.0	300	NPO± 250	Blue	.28	.25	.22
659-GKG10016	GKG10016	D	3.0	10.0	300	NPO± 250	White	.28	.25	.22
659-GKG20016	GKG20016	D	5.0	20.0	300	N750± 250	Red	.28	.25	.22
659-GKG30016	GKG30016	D	6.5	30.0	200	N1000± 500	Green	.28	.25	.22
659-GKG50016	GKG50016	D	10.0	50.0	200	N2200± 800	Brown	.28	.25	.22
659-GKG60016	GKG60016	D	12.0	60.0	200	N2200± 800	Brown	.28	.25	.22
659-GKG70016	GKG70016	D	15.0	70.0	200	N2200± 800	Brown	.28	.25	.22

* Marking on bottom of capacitor † Q Factor at 10 MHz


A
.079
Slots
.02 x .02
Rotor
.110
.008
.180
.094
.148
.210
Stator
ø.055
.160
.130
.094
ø.039
.030
.148
Mounting Hole Layout
.063
B
Slots
.02 x .02
.110
.008
Rotor
.180
.094
.240
Stator
ø.055
.160
.094
ø.039
.030
.200
Mounting Hole Layout
.050
C
.240
.200
Slots
.02 x .02
.160
ø.240
.040
ø.098
Rotor
Stator
ø.047
.130
.059
.200
.009
.240
.008
Mounting Hole Layout
D
.240
.130
.200
Slots
.02 x .02
.160
ø.240
.040
ø.098
.009
.008
ø.120
Rotor
Stator
ø.047
.250
Mounting Hole Layout
DIMENSIONS: In.

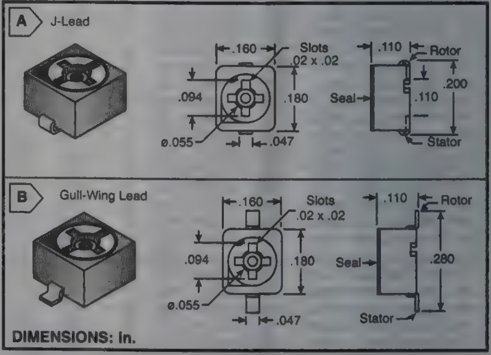
SURFTRIM® GKG SERIES SMD TRIMMER CAPACITORS

Features:
- Sealed Construction
- Process seal provides protection against contaminants (flux, solvents, etc.) during production
- Designed for flow reflow soldering

Specifications:
- Operating temperature range: -25°C to +85°C
- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 220 VDC
- Insulation resistance: 10^4 MΩ min.
- Torque: 15 to 100 g-cm
  (0.2 to 1.39 oz-in)

4 x 4.5 x 2.7mm

MOUSER STOCK NO.	Sprague Goodman Part No.	Fig.	Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Color Code	Price Each			Per Reel of 700 (ea.)
			Min	Max				1	25	100	
659-GKG6R066	GKG6R066	A	2.0	6.0	500	NPO± 200	Blue	.98	.86	.61	.44
659-GKG10066	GKG10066	A	3.0	10.0	500	NPO± 300	White	.98	.86	.61	.51
659-GKG20066	GKG20066	A	4.5	20.0	500	N900± 300	Red	.98	.86	.61	.44
659-GKG30066	GKG30066	A	6.5	30.0	300	N1100± 450	Green	.98	.86	.61	.44
659-GKG6R067	GKG6R067	B	2.0	6.0	500	NPO± 200	Blue	1.18	1.03	.74	.53
659-GKG10067	GKG10067	B	3.0	10.0	500	NPO± 300	White	1.60	1.12	.90	.76
659-GKG20067	GKG20067	B	4.5	20.0	500	N900± 300	Red	1.18	1.03	.74	.53
659-GKG30067	GKG30067	B	6.5	30.0	300	N1100± 450	Green	1.18	1.03	.74	.53


A
J-Lead
.160
Slots
.02 x .02
.110
Rotor
.200
.094
.180
Seal
.110
ø.055
.047
Stator
B
Gull-Wing Lead
.160
Slots
.02 x .02
.110
Rotor
.094
.180
Seal
.280
ø.055
.047
Stator
DIMENSIONS: In.

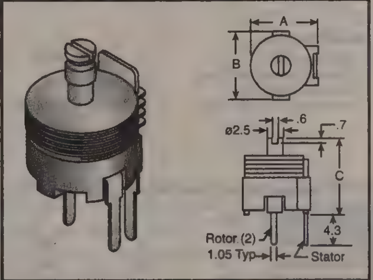
SPRAGUE GOODMAN Trimmer Capacitors

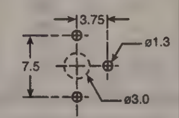
FILMTRIM® PLASTIC DIELECTRIC TRIMMER CAPACITORS, 8MM GYA SERIES, 10MM GYC AND GZC SERIES

Features:
- Low cost for commercial/industrial applications
- Top and bottom adjustable
- Linear capacitance change vs. rotation
- Typical applications: mobile radios, transmitters, pagers, electronic games, wireless security and fire alarms, and CATV.

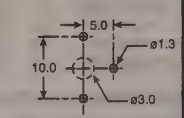
Specifications:
- Voltage rating: 100 VDC
- Dielectric withstanding voltage: 200 VDC
- Contact resistance: 0.010Ω max
- Insulation resistance: 10^4 MΩ min.
- Operating temperature: GYA, GYC: -40°C to +70°C GZC: -40°C to + 85°C
- Torque: GYA series: 15-250 g-cm (0.21-3.5 oz-in) GYC, GZC series: 15-360 g-cm (0.20-5.0 oz-in)
- Dielectric construction: GYA, GYC: Polypropylene GZC: Polycarbonate

DIMENSIONS: mm





8mm Mounting Hole Layout



10mm Mounting Hole Layout

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Cap. Range (pF)		Q Factor @1MHz	TCC (ppm/°C)	Dimensions: mm			Color Code	Price Each		
Mfr.	Mfr. Part No.	Min	Max			A	B	C		1	25	100
8mm												
659	GYA5R000	1.6	5.0	1000	0 ± 300	8.5	7.7	10.2	Clear	.98	.88	.77
659	GYA10000	2.0	10.0	1000	0 ± 300	8.5	7.7	10.2	Yellow	.98	.88	.77
659	GYA15000	2.0	15.0	1000	0 ± 400	8.5	7.7	10.2	Blue	1.06	.95	.84
659	GYA22000	2.2	22.0	1000	0 ± 400	8.5	7.7	10.2	Green	1.06	.95	.84
659	GYA27000	2.3	27.0	1000	0 ± 350	8.5	7.7	10.2	Red	1.09	.98	.86
659	GYA36000	3.0	36.0	1000	0 ± 300	8.5	7.7	10.2	Violet	1.62	1.45	1.28
10mm												
659	GYC15000	2.0	15.0	1000	0 ± 400	11	10.2	10.2	Blue	1.37	1.23	1.08
659	GYC20000	3.0	20.0	1000	0 ± 400	11	10.2	10.2	Green	1.40	1.25	1.10
659	GYC40000	3.5	40.0	1000	0 ± 350	11	10.2	10.2	Clear	1.32	1.18	1.03
659	GYC65000	4.5	65.0	1000	0 ± 350	11	10.2	10.2	Yellow	1.37	1.23	1.08
659	GZC80000	8.0	80.0	200	0 ± 200	11	10.2	10.2	Red	1.82	1.63	1.43
659	GZC10100	9.0	100.0	200	0 ± 400	11	10.2	11.4	Violet	2.91	2.60	2.29
659	GZC12100	9.0	120.0	200	0 ± 350	11	10.2	11.4	Orange	4.10	3.69	3.28
659	GZC15100	10.0	150.0	200	0 ± 350	11	10.2	12.0	Orange	4.78	4.30	3.82
659	GZC18100	12.0	180.0	200	0 ± 350	11	10.2	12.0	Orange	5.62	5.06	4.50

AIRTRIM® GAA SERIES MULTI-TURN TRIMMER CAPACITORS

Features:
- Multiple mounting styles, including surface mount
- Excellent stability
- Multi-turn resolution
- High Q

Applications:

Designed for VHF, UHF and microwave applications: amplifiers, oscillators, filters, radar, cable TV, mobile radios, and RF applications. Suitable for military and aerospace environments.

Specifications:
- Operating temperature range: -65°C to +125°C
- Voltage rating: 250 VDC
- Test voltage: 500 VDC
- Insulation resistance: $>10^6$MΩ min.
- Contact resistance: < 0.01Ω
- Torque: .35 to 3.5pF: 0.3 to 3.0 oz-in (22 to 216 g-cm)
  .6 to 6.0pF: 0.4 to 4.0 oz-in (29 to 288 g-cm)
  1.0 to 16pF: 0.5 to 5.0 oz-in (36 to 360 g-cm)
- Q factor: > 5000 @ 100MHz

0.35-3.5 pF Capacitance Range

*Round nut

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: in.					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
*659	GAA3R501	A	0.26	0.22	0.10	0.16	---	± 30	16.58	14.28	12.25
*659	GAA3R503	B	0.26	0.22	0.13	0.16	---	± 30	16.58	14.28	12.25
659	GAA3R505	C	0.28	0.21	0.24	0.16	0.15	± 30	16.58	14.28	12.25
659	GAA3R512	D	0.28	0.21	0.11	0.16	0.40	± 30	17.06	14.70	12.60
659	GAA3R513	E	0.28	0.21	0.25	0.16	0.22	± 30	16.58	14.28	12.25
659	GAA3R514	F	0.28	0.21	0.10	0.16	---	± 30	17.06	14.70	12.60

0.6-6.0 pF Capacitance Range

*Round nut

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: in.					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
*659	GAA6R001	A	0.27	0.21	0.08	0.24	---	± 15	13.81	11.90	10.20
659	GAA6R005	C	0.29	0.19	0.25	0.24	0.20	± 15	14.63	12.60	10.80
659	GAA6R012	D	0.29	0.19	0.11	0.24	0.40	± 15	14.63	12.60	10.80
659	GAA6R014	F	0.29	0.19	0.10	0.24	---	± 15	14.63	12.60	10.80

1.0-10.0 pF Capacitance Range

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: in.					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
659	GAA10002	H	0.30	0.20	0.06	0.30	---	± 15	17.25	15.40	13.55
659	GAA10003	B	0.30	0.20	0.20	0.30	---	± 15	12.84	11.06	9.48
659	GAA10004	G	0.31	0.19	0.30	0.30	0.31	± 15	12.84	11.06	9.48
659	GAA10005	C	0.31	0.19	0.29	0.30	0.20	± 15	12.84	11.06	9.48
659	GAA10006	I	0.31	0.19	0.11	0.30	0.44	± 15	12.84	11.06	9.48
659	GAA10009	J	0.31	0.19	0.10	0.30	---	± 15	12.84	11.06	9.48

1.0-14.0 pF Capacitance Range

For quantities of 100 and up, call for quote.

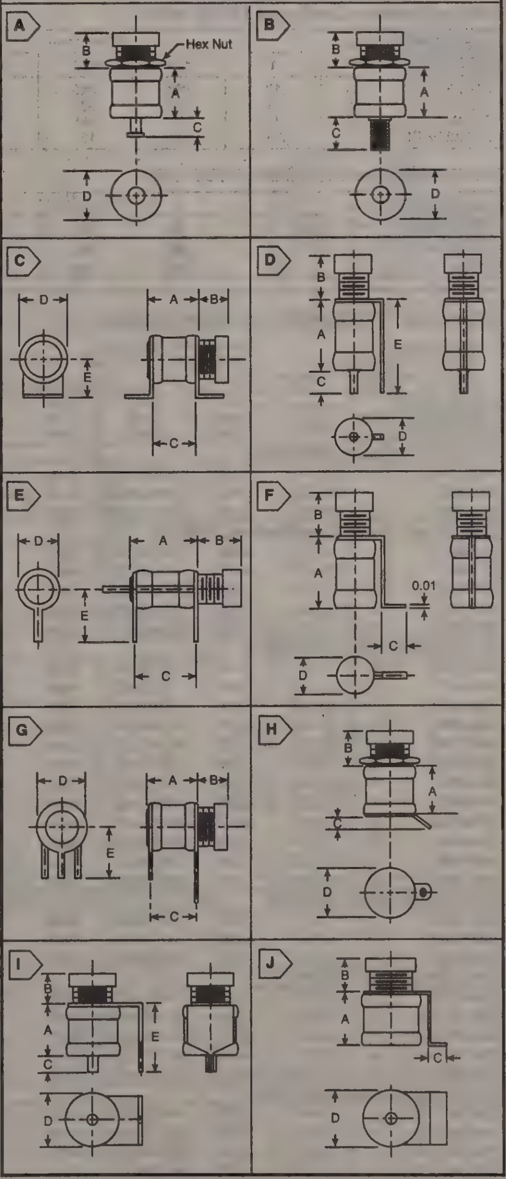
MOUSER STOCK NO.		Fig.	Dimensions: in.					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
659	GAA14001	A	0.30	0.20	0.11	0.30	---	± 15	13.98	12.04	10.32
659	GAA14004	G	0.31	0.19	0.30	0.30	0.31	± 15	13.98	12.04	10.32
659	GAA14006	I	0.31	0.19	0.11	0.30	0.44	± 15	13.98	12.04	10.32
659	GAA14009	J	0.31	0.19	0.10	0.30	---	± 15	13.98	12.04	10.32

2.0-16.0 pF Capacitance Range

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: in.					TCC (ppm/°C)	Price Each		
Mfr.	Mfr. Part No.		A	B	C	D	E		1	25	50
659	GAA16001	A	0.30	0.20	0.11	0.30	---	± 15	13.98	12.04	10.32
659	GAA16003	B	0.30	0.20	0.20	0.30	---	± 15	13.98	12.04	10.32
659	GAA16004	G	0.31	0.19	0.30	0.30	0.31	± 15	13.98	12.04	10.32
659	GAA16005	C	0.31	0.19	0.29	0.30	0.20	± 15	13.98	12.04	10.32
659	GAA16006	I	0.31	0.19	0.11	0.30	0.44	± 15	13.98	12.04	10.32
659	GAA16009	J	0.31	0.19	0.10	0.30	---	± 15	13.98	12.04	10.32

DIMENSIONS: in.



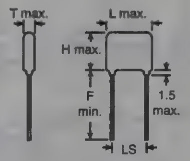
XICON Ceramic and Trimmer Capacitors

EPOXY DIPPED MULTILAYER CERAMIC CAPACITORS

Specifications:
- Epoxy coated
- Soldered, copper clad steel
- Standard tolerances
- Minimum 5mm lead length

RoHS Compliant

DIMENSIONS: mm



L	H	T	LS
4.1	3.8	2.5	2.5

NPO Temperature Coefficient 50 VDC ±10%

MOUSER STOCK NO.	Value (pF)	Price Each				
		1	100	500	1000	2000+
21RD710-RC	10	.10	.082	.063	.055	Call for Quote
21RD722-RC	22	.10	.082	.063	.055	
21RD747-RC	47	.10	.082	.063	.055	
21RD610-RC	100	.11	.088	.068	.059	
21RD622-RC	220	.12	.10	.078	.068	
21RD647-RC	470	.14	.12	.089	.078	

NPO Temperature Coefficient 100 VDC ±10%

MOUSER STOCK NO.	Value (pF)	Price Each				
		1	100	500	1000	2000+
21RR510-RC	1,000	.20	.16	.13	.109	Call

X7R Temperature Coefficient 50 VDC ±10%

MOUSER STOCK NO.	Value (uF)	Price Each				
		1	100	500	1000	2000+
21RX510-RC	.001	.10	.084	.065	.056	Call for Quote
21RX410-RC	.01	.11	.091	.07	.061	
21RX421-RC	.02	.13	.11	.085	.074	
21RX310-RC	.1	.19	.16	.12	.10	

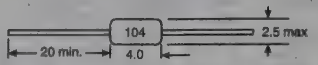
Z5U Temperature Coefficient 50 VDC ±20%

MOUSER STOCK NO.	Value (pF)	Price Each				
		1	100	500	1000	2000+
21RZ410-RC	.01	.10	.082	.063	.055	Call for Quote
21RZ310-RC	.1	.08	.069	.053	.046	

50V CA10 AXIAL CERAMIC CAPACITORS

Specifications:
- Dissipation factors: ≤.001 for C≥50pF, C0G, ≤.0033 for C<50pF, C0G, ≤.025, X7R, ≤.03, Z5U
- Operating temperature: -55°C to +125°C, C0G & X7R, -25°C to +85°C, Z5U
- Solderability: 235°C±5°C, 2 ±0.5 sec @ 1.5~2.0mm immersion

RoHS Compliant



DIMENSIONS: mm

Offers high capacitance in a 0.1" or smaller diameter case.

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	(pF)	Tol. ±	Temperature Coefficient	Price Each			Reel Quantity	Price Per Piece
				1	100	500		
147-75-100-RC	10	5	C0G	.27	.14	.12	5000	.068
147-75-120-RC	12	5	C0G	.27	.14	.12	5000	.068
147-75-150-RC	15	5	C0G	.27	.14	.12	5000	.068
147-75-180-RC	18	5	C0G	.27	.14	.12	5000	.068
147-75-220-RC	22	5	C0G	.27	.14	.12	5000	.068
147-75-270-RC	27	5	C0G	.27	.14	.12	5000	.068
147-75-330-RC	33	5	C0G	.27	.14	.12	5000	.068
147-75-470-RC	47	5	C0G	.27	.14	.12	5000	.068
147-75-121-RC	120	5	C0G	.29	.22	.16	5000	.068
147-75-221-RC	220	5	C0G	.29	.22	.16	5000	.07
147-75-271-RC	270	5	C0G	.29	.22	.16	5000	.07
147-75-331-RC	330	5	C0G	.29	.22	.16	5000	.07
147-75-471-RC	470	5	C0G	.29	.22	.16	5000	.07
147-75-102-RC	1000	5	C0G	.33	.25	.18	5000	.09
147-71-391-RC	390	10	X7R	.26	.19	.14	5000	.068
147-71-561-RC	560	10	X7R	.26	.19	.14	5000	.068
147-71-681-RC	680	10	X7R	.26	.19	.14	5000	.068
147-71-821-RC	820	10	X7R	.26	.19	.14	5000	.068
147-71-152-RC	1500	10	X7R	.26	.19	.14	5000	.07
147-71-222-RC	2200	10	X7R	.26	.19	.14	5000	.07
147-71-562-RC	5600	10	X7R	.26	.20	.14	5000	.07
147-71-103-RC	10000	10	X7R	.17	.12	.09	5000	.068
147-71-333-RC	33000	10	X7R	.36	.27	.19	5000	.086
147-72-103-RC	10000	20	Z5U	.16	.12	.09	5000	.055
147-72-473-RC	47000	20	Z5U	.21	.15	.10	5000	.068
147-72-104-RC	100000	20	Z5U	.16	.12	.09	5000	.043
147-72-224-RC	220000	20	Z5U	.42	.32	.23	5000	.10

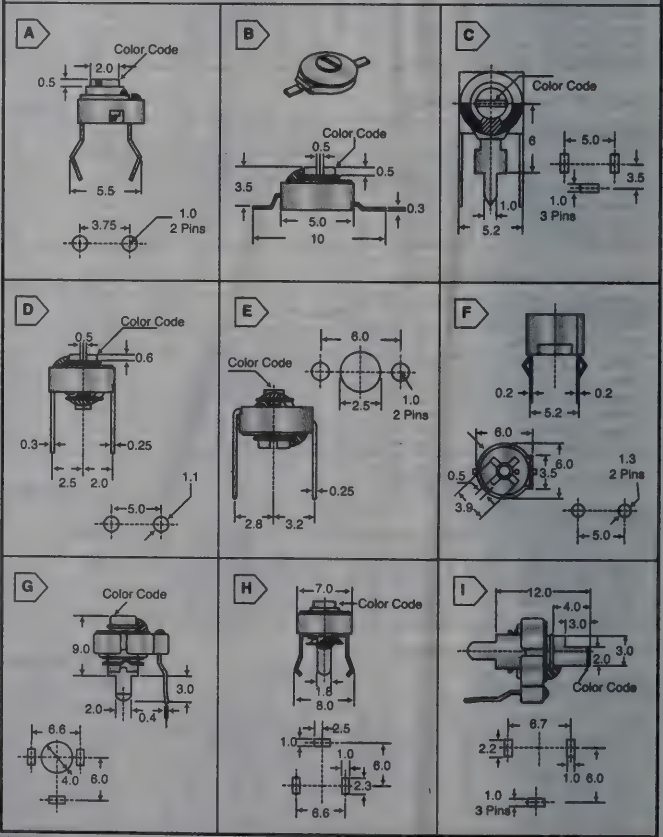
CERAMIC TRIMMER CAPACITORS

- Temperature stable
- Shock and vibration resistant
- Frequency control through microwave
- Small, stable, high quality
- Operating Temperature Range: -30°C to 85°C

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Range (pF)	Q Factor @ 10MHz	Temp. Coeff. ppm/°C	Rotor Color Code	Price Each			
						1	10	100	500
4mm Super Miniature, 50WVDC									
242-1810	A	1.8-10.0	>300	N550±300	None	1.51	1.26	1.15	1.02
242-2820	A	2.8-20.0	>300	N550±300	Blue	1.51	1.26	1.15	1.02
242-4030	A	4.0-30.0	>200	N1200±500	Yellow	1.51	1.26	1.15	1.02
5mm Surface Mount Micro-Miniature, 200WVDC									
24AA070	B	1.8-6.0	>300	NPO±250	Red	.97	.81	.74	.65
24AA071	B	2.8-12.5	>300	N600±300	None	.97	.81	.74	.65
24AA072	B	3.5-20	>300	N750±300	Blue	.97	.81	.74	.65
24AA073	B	5.0-30	>200	N1500±300	Yellow	1.04	.86	.79	.70
24AA074	B	9.0-50	>200	N1500±300	Green	1.06	.88	.81	.71
5mm Micro-Miniature, 200WVDC									
24AA080	C	1.8-6.0	>300	NPO±250	Red	1.06	.88	.81	.71
24AA081	C	2.8-12.5	>300	N600±300	None	1.06	.88	.81	.71
24AA082	C	3.5-20	>300	N750±300	Blue	1.06	.88	.81	.71
24AA083	C	5.0-30	>200	N1500±500	Yellow	1.09	.91	.83	.74
24AA084	C	9.0-50	>200	N1500±500	Green	1.13	.94	.86	.77
24AA020	D	1.8-6.0	>300	NPO±250	Red	.97	.81	.74	.65
24AA021	D	2.8-12.5	>300	N600±300	None	.97	.81	.74	.65
24AA022	D	3.5-20	>300	N750±300	Blue	.98	.82	.74	.66
24AA023	D	5.0-30	>200	N1500±500	Yellow	1.05	.87	.80	.71
24AA024	D	9.0-50	>200	N1500±500	Green	1.05	.87	.80	.71
24AA091	E	2.8-12.5	>300	N600±300	None	1.05	.87	.80	.71
24AA092	E	3.5-20.0	>300	N750±300	Blue	1.05	.87	.80	.71
6mm Snap-In Mount, 100WVDC									
242-3010	F	3.0-10	>300	NPO±200	White	.48	.40	.37	.33
242-6230	F	6.2-30	>200	N750±300	Green	.48	.40	.37	.33
242-9850	F	9.8-50	>244	N1200±600	Brown	.48	.40	.37	.33
7mm Ultra-Miniature, 225WVDC									
24AA113	G	4.0-34	>300	N550±800	Yellow	1.06	.88	.81	.71
242-3810-45	H	5.0-45	>200	N1400±800	Brown	1.04	.86	.79	.70
242-3810-55	H	5.0-55	>200	N1400±800	Green	1.06	.88	.81	.71
242-3810-70	H	6.0-70	>200	N1400±800	Gray	1.08	.99	.90	.82
242-3810-100	H	12.0-100	200@1MHz	N1400±800	Black	1.13	1.08	.95	.84
7mm Ultra-Miniature, Rotary Shaft									
242-3410-34	I	4.0-34	>300	N500±800	Yellow	1.08	.89	.82	.73
242-3410-45	I	5.0-45	>200	N1400±800	Brown	1.12	.94	.85	.76
242-3410-55	I	5.0-55	>200	N1400±800	Green	1.21	1.00	.92	.82
242-3410-70	I	6.0-70	>200	N1400±800	None	1.26	1.05	.96	.85

DIMENSIONS: mm



ABRACON Programmable and MEMS Clock Oscillators

ABRACON CORPORATION

RoHS Compliant This page of product is compliant.

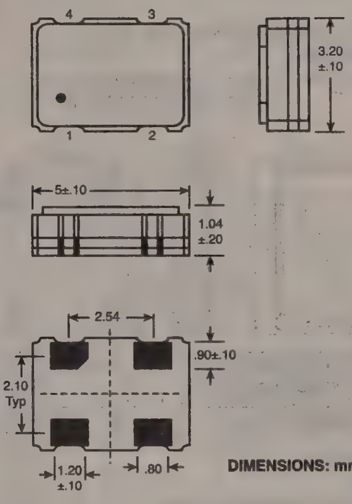
ULTRA MINIATURE PURE SILICON MEMS CLOCK OSCILLATORS, 5 X 3.2mm

Features:

- Ultra Miniature Pure Silicon™ Clock Oscillator
- MEMS Technology by Discera™
- Harsh Environment Industrial Equipment
- RF Oscillator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Voltage	Tolerance	Price Each			
				1	10	50	100
815-ASFLM1-1.8-T	ASFLM1-1.8432MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-3.6-T	ASFLM1-3.6864MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-4.0-T	ASFLM1-4.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-7.3-T	ASFLM1-7.3728MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-8.0-T	ASFLM1-8.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-10.0-T	ASFLM1-10.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-11.0-T	ASFLM1-11.0592MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-12.0-T	ASFLM1-12.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-14.3-T	ASFLM1-14.31818MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-14.7-T	ASFLM1-14.7456MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-16.0-T	ASFLM1-16.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-18.4-T	ASFLM1-18.432MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-20.0-T	ASFLM1-20.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-24.0-T	ASFLM1-24.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-24.5-T	ASFLM1-24.576MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-25.0-T	ASFLM1-25.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-27.0-T	ASFLM1-27.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-30.0-T	ASFLM1-30.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-32.0-T	ASFLM1-32.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-33.0-T	ASFLM1-33.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-33.3-T	ASFLM1-33.333MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-40.0-T	ASFLM1-40.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-48.0-T	ASFLM1-48.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39
815-ASFLM1-50.0-T	ASFLM1-50.000MHZ-C-T	3.3V	50ppm	2.45	2.09	1.57	1.39



DIMENSIONS: mm

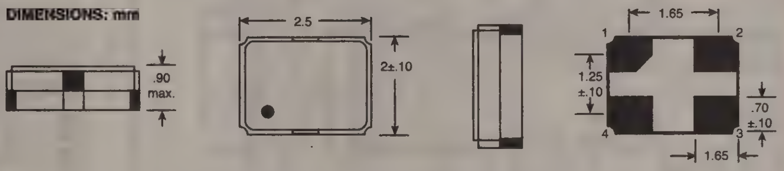
PROGRAMMABLE CRYSTAL OSCILLATORS

AP2SX Series Programmable Oscillators, 2.5 X 2.0mm

Features:

- Performance comparable to fixed frequency oscillator
- Lowest peak-to-peak jitter
- Low supply current

DIMENSIONS: mm



Specifications:

- Frequency Range: 3.3V 1-110 MHz
  2.5V 1-90 MHz
  1.8V 1-75 MHz

For Reels or quantities greater than listed , call for quote.

MOUSER STOCK NO.	Price Each	
	1	10
815-AP2SX-X-X-X-X-Freq	18.00	8.10

PART NUMBERING GUIDE:

815-AP2S_-_-_-_-_-FREQ

Supply Voltage:
Blank = 3.3V
1 = 2.5V
2 = 1.8V

Operating Temperature:
I = 0°C to +50°C
D = -10°C to +60°C
E = -20°C to +70°C
F = -30°C to +70°C
N = -30°C to +85°C
L = -40°C to +85°C

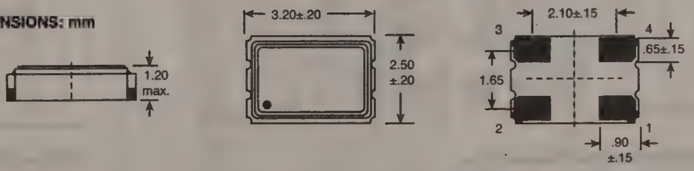
Frequency Stability:
Y = ±10ppm
J = ±20ppm
R = ±25ppm
K = ±30ppm
H = ±35ppm
B = ±40ppm
C = ±50ppm

PIN 1 (option):
Blank = OE
B = PDB

Packaging:
B = Bulk
T = Tape & Reel

AP3SX Series Programmable Oscillators, 3.2 X 2.5mm

DIMENSIONS: mm



Features:

- Performance comparable to fixed frequency oscillator
- Lowest peak-to-peak jitter
- Low supply current

Specifications:

- Frequency Range: 3.3V 0.8-110 MHz
  2.5V 0.8-90 MHz
  1.8V 0.8-75 MHz

For Reels or quantities greater than listed , call for quote.

MOUSER STOCK NO.	Price Each	
	1	10
815-AP3SX-X-X-X-X-Freq	15.00	6.75

PART NUMBERING GUIDE:

815-AP3S_-_-_-_-_-FREQ

Supply Voltage:
Blank = 3.3V
1 = 2.5V
2 = 1.8V

Operating Temperature:
I = 0°C to +50°C
D = -10°C to +60°C
E = -20°C to +70°C
F = -30°C to +70°C
N = -30°C to +85°C
L = -40°C to +85°C

Frequency Stability:
Y = ±10ppm
J = ±20ppm
R = ±25ppm
K = ±30ppm
H = ±35ppm
B = ±40ppm
C = ±50ppm

PIN 1 (option):
Blank = OE
B = PDB

Packaging:
B = Bulk
T = Tape & Reel

Programmable Oscillators

RoHS Compliant **This page of product is compliant.**

CITIZEN. PROGRAMMABLE CRYSTAL OSCILLATORS

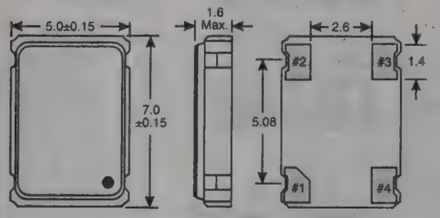
CSX750 Series

Features:
- Wide range of output frequency by PLL technology

Specifications:
- Frequency Range: CSX750PK - 1.000MHz to 125.000MHz
  CSX750PD - 1.000MHz to 125.000MHz
  CSX750PJ - 1.000MHz to 100.000MHz

Applications:
- Communication Devices
- AV Devices
- Automotive Devices
- Measuring Instruments

DIMENSIONS: mm



Pin Assignment	
Pin No.	**Connection**
#1	OE or Stand By
#2	GND
#3	OUT
#4	Vdd

Function	
#1 Input	**#3 Output Condition**
H	Oscillation Out
Open	Oscillation Out
L	Oscillation Stop

MOUSER STOCK NO.	Price Each	
	1	10
695-CSX750XXX-XX-Freq	4.73	4.03

PART NUMBERING GUIDE:

695-CSX750__ _-__-FREQ

Product Family

Programmable Frequency:

	Voltage	Load Condition
PT	5V	TTL
PC	5V	CMOS
PB	3.3V	CMOS

Frequency Tolerance (at Operating Temp.):
B = ±50ppm (-20°C to +70°C)
C = ±100ppm (-20°C to +70°C) (Std)
F = ±100ppm (-40°C to +85°C)
G = ±200ppm (-40°C to +85°C)

Packaging Method:
UT = Tape & Reel
UB = Bulk

Frequency:
Numerical Value - Max. characters as follows:

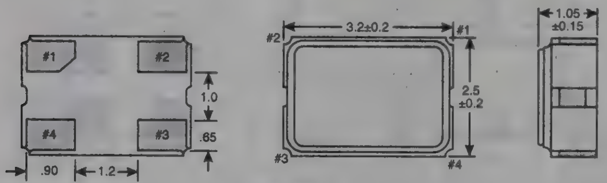
XXX.XXXXXX
Followed by "M" for MHz

CSX325 Series

Features:
- Wide frequency output by PLL technology

Specifications:
- Frequency Range: 1.000MHz to 125.000MHz

Applications:
- PC Communication Equipment
- AV Equipment
- OA Equipment
- Measuring Instruments



DIMENSIONS: mm

MOUSER STOCK NO.	Price Each	
	1	10
695-CSX325XXX-XX-Freq	7.09	6.05

Pin Assignment	
Pin No.	**Connection**
#1	OE or ST
#2	GND
#3	OUT
#4	Vdd

PART NUMBERING GUIDE:

695-CSX325__ _-__-FREQ

Product Family

Programmable Frequency:

	Voltage	Load Condition
PT	5V	TTL
PC	5V	CMOS
PB	3.3V	CMOS

Frequency Tolerance (at Operating Temp.):
B = ±50ppm (-20°C to +70°C)
C = ±100ppm (-20°C to +70°C) (Std)
F = ±100ppm (-40°C to +85°C)
G = ±200ppm (-40°C to +85°C)

Packaging Method:
UT = Tape & Reel
UB = Bulk

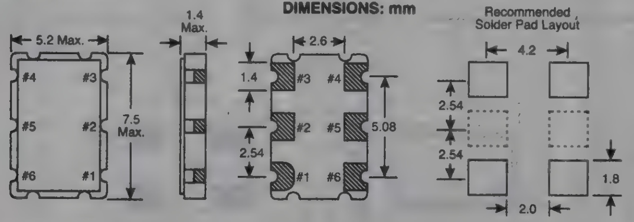
Frequency:
Numerical Value - Max. characters as follows:

XXX.XXXXXX
Followed by "M" for MHz

FOX XPRESSO XPRESSO FAMILY - LOW JITTER CONFIGURABLE OSCILLATORS

Features:
- Low jitter comparable to fixed-frequency oscillators, 10x less than programmables.
- Frequency Options: 0.75MHz to 1.3GHz
- Low jitter, Low noise

DIMENSIONS: mm



PART NUMBERING GUIDE:

XPO-HC_3__-FREQUENCY

Type:
H = HCMOS
P = LVPECL
L = LVDS

Material:
C = Ceramic

Package Size:
7 = 7.5mm x 5.0mm
5 = 5.0mm x 3.2mm

Voltage:
3 = 3.3V

Stability:
0 = ±100ppm
5 = ±50ppm
6 = ±25ppm
8 = ±20ppm (-20°C to +70°C Only)

Operating Temperature:
Blank = -20°C to +70°C
R = -40°C to +85°C

Frequency

4MHz to 50MHz Stocked Frequencies

MOUSER STOCK NO.	Fox XpressO Part No.	Price Each					
		1	10	50	100	500	1000
XPO-HC735-4.00000	FXO-HC735-4.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-10.00000	FXO-HC735-10.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-12.00000	FXO-HC735-12.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-16.00000	FXO-HC735-16.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-20.00000	FXO-HC735-20.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-24.57600	FXO-HC735-24.57600	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-25.00000	FXO-HC735-25.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-27.00000	FXO-HC735-27.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-33.33300	FXO-HC735-33.33300	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-40.00000	FXO-HC735-40.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-48.00000	FXO-HC735-48.00000	2.63	2.41	2.10	1.48	1.25	1.02
XPO-HC735-50.00000	FXO-HC735-50.00000	2.63	2.41	2.10	1.48	1.25	1.02

1MHz to 250MHz Custom Frequencies

MOUSER STOCK NO. Frequency	Frequency Range	Price Each	
		1	5
XPO-HC735R-Frequency	1.000000~59.999999	20.90	16.92
XPO-HC735R-Frequency	60.000000~69.999999	23.06	18.65
XPO-HC735R-Frequency	70.000000~79.999999	25.31	20.48
XPO-HC735R-Frequency	80.000000~89.000000	27.65	22.37
XPO-HC735R-Frequency	90.000000~99.999999	30.12	24.37
XPO-HC735R-Frequency	100.000000~106.250000	31.88	25.81
XPO-HC735R-Frequency	106.250001~125.000000	32.67	26.44
XPO-HC735R-Frequency	125.000001~150.000000	33.19	26.87
XPO-HC735R-Frequency	150.000001~170.000000	35.35	28.60
XPO-HC735R-Frequency	170.000001~200.000000	38.12	30.83
XPO-HC735R-Frequency	200.000001~250.000000	40.98	33.15

Pricing For Most Popular Part Numbers. Contact your Mouser Sales Representative for options not listed above.

ECLIPTEK Quick Delivery Programmable Oscillators

ECLIPTEK® CORPORATION

The EH series Oscillators and EP series Programmable Oscillators are available in standard or custom frequencies within the range of 1.000000MHz to 107.000000MHz. If a custom frequency is needed outside this range, please contact us for a quote. There are no minimum order quantities on any of the EP & EH series product. All orders are NON-CANCELABLE AND NON-RETURNABLE.

FEATURES:
- Voltage 3.3V and 5.0V
- Temp. Range options: -20°C to +70°C, and -40°C to +85°C
- Frequency Stability Options: ±100ppm, ±50ppm, ±25ppm, ±20ppm
- Other Lead Styles available upon request
- Custom Frequency for up to 6 places past the Decimal
- Non-Tri-State is available in the EP Series

PART NUMBERING GUIDE

EH11 - 00 HS ET T TS - 70.000M

Series
EH
EP

Frequency

Package Designator
3.3 volt only 13=Metal, 15=Plastic, 26 & 36=Ceramic
5 volt only 11=Metal, 14=Plastic, 25 & 35=Ceramic

Frequency Tolerance/Stability
20=±20ppm Max. (**EH Series only**)
25=±25ppm Max. (**EH Series only**)
45=±50ppm Max.
00=±100ppm Max. (Standard)

Package Configuration
Blank=Full Size 14-Pin DIP,
HS=Half Size 8-Pin DIP
SJ=J Leads SMT

Operating Temp. Range
Blank=0°C to 70°C (Standard),
ET=40°C to 85°C

Duty Cycle
Blank=50±10(%)(Standard)
T=50±5(%)

Pin 1 Connection
TS=Tri-State Enable High
PD=Power Down (**EP Series only**)

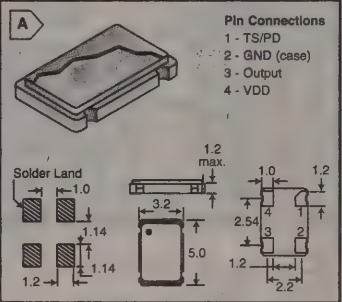
Please specify frequency range in MHZ.

For quantities 10 and up, call for quote.

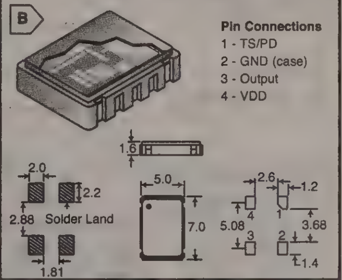
MOUSER STOCK NO.	Fig.	Frequency Range (MHz)	Logic Type	Voltage	Stability (ppm)	Pin 1	Temperature Range (°C)	Price Each	
								1	5
3x5 Ultraminiature Ceramic SMT									
669-EH3600TS	A	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	76.86	19.22
669-EH3600ETTS	A	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	85.14	21.29
669-EH3500TS	A	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	76.86	19.22
669-EH3500ETTS	A	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	85.14	21.29
669-EP3600TS	A	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	92.97	25.83
669-EP3600ETTS	A	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	99.95	28.47
669-EP3600PD	A	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	92.97	25.83
669-EP3600ETPD	A	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	99.95	28.47
669-EP3500TSC	A	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	92.97	25.83
669-EP3500TSL	A	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	92.97	25.83
669-EP3500ETTSC	A	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	99.95	28.47
669-EP3500ETTSL	A	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	99.95	28.47
669-EP3500PDC	A	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	92.97	25.83
669-EP3500PDL	A	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	92.97	25.83
669-EP3500ETPDC	A	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	99.95	28.47
669-EP3500ETPDL	A	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	99.95	28.47
5x7 Ceramic SMT									
669-EH2600TS	B	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	43.92	10.98
669-EH2600ETTS	B	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	48.60	12.15
669-EH2500TS	B	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	43.92	10.98
669-EH2500ETTS	B	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	48.60	12.15
669-EP2600TS	B	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	53.20	13.31
669-EP2600ETTS	B	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	58.60	14.66
669-EP2600PD	B	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	53.20	13.31
669-EP2600ETPD	B	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	58.60	14.66
669-EP2500TSC	B	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	53.20	13.31
669-EP2500TSL	B	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	53.20	13.31
669-EP2500ETTSC	B	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	58.60	14.66
669-EP2500ETTSL	B	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	58.60	14.66
669-EP2500PDC	B	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	53.20	13.31
669-EP2500PDL	B	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	53.20	13.31
669-EP2500ETPDC	B	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	58.60	14.66
669-EP2500ETPDL	B	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	58.60	14.66
Plastic J Lead SMT									
669-EH1500SJTS	C	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	40.14	10.04
669-EH1500SJETTS	C	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	44.10	11.03
669-EH1400SJTS	C	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	40.14	10.04
669-EH1400SJETTS	C	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	44.10	11.03
669-EP1500SJTS	C	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	48.66	12.17
669-EP1500SJETTS	C	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	53.40	13.35
669-EP1500SJPD	C	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	48.66	12.17
669-EP1500SJETPD	C	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	53.40	13.35
669-EP1400SJTSC	C	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	48.66	12.17
669-EP1400SJTSL	C	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	48.66	12.17
669-EP1400SJETTSC	C	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	53.40	13.35
669-EP1400SJETTSL	C	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	53.40	13.35
669-EP1400SJPDC	C	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	48.66	12.17
669-EP1400SJPDL	C	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	48.66	12.17
669-EP1400SJETPDC	C	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	53.40	13.35
669-EP1400SJETPDL	C	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	53.40	13.35
8 Pin DIP	• Aries Socket for an 8 Pin DIP Oscillator is Mouser Part No. 535-1108800								
669-EH1300HSTS	D	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	39.96	9.99
669-EH1300HSETTS	D	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	43.92	10.98
669-EH1100HSTS	D	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	39.96	9.99
669-EH1100HSETTS	D	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	43.92	10.98
669-EP1300HSTS	D	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	45.96	11.49
669-EP1300HSETTS	D	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	50.50	12.63
669-EP1300HSPD	D	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	45.96	11.49
669-EP1300HSETPD	D	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	50.50	12.63
669-EP1100HSTSC	D	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	45.96	11.49
669-EP1100HSTSL	D	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	45.96	11.49
669-EP1100HSETTSC	D	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	50.50	12.63
669-EP1100HSETTSL	D	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	50.50	12.63
669-EP1100HSPDC	D	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	45.96	11.49
669-EP1100HSPDL	D	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	45.96	11.49
669-EP1100HSETPDC	D	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	50.50	12.63
669-EP1100HSETPDL	D	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	50.50	12.63
14 Pin DIP	• Aries Socket for a 14 Pin DIP Oscillator is Mouser Part No. 535-1107741								
669-EH1300TS	E	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	39.96	9.99
669-EH1300ETTS	E	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	43.92	10.98
669-EH1100TS	E	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-20 to +70	39.96	9.99
669-EH1100ETTS	E	1.000 to 107.000	HCMOS/TTL	5.0	100	TS	-40 to +85	43.92	10.98
669-EP1300TS	E	1.000 to 107.000	HCMOS	3.3	100	TS	-20 to +70	45.96	11.49
669-EP1300ETTS	E	1.000 to 107.000	HCMOS	3.3	100	TS	-40 to +85	50.50	12.63
669-EP1300PD	E	1.000 to 107.000	HCMOS	3.3	100	PD	-20 to +70	45.96	11.49
669-EP1300ETPD	E	1.000 to 107.000	HCMOS	3.3	100	PD	-40 to +85	50.50	12.63
669-EP1100TSC	E	1.000 to 107.000	HCMOS	5.0	100	TS	-20 to +70	45.96	11.49
669-EP1100TSL	E	1.000 to 107.000	TTL	5.0	100	TS	-20 to +70	45.96	11.49
669-EP1100ETTSC	E	1.000 to 107.000	HCMOS	5.0	100	TS	-40 to +85	50.50	12.63
669-EP1100ETTSL	E	1.000 to 107.000	TTL	5.0	100	TS	-40 to +85	50.50	12.63
669-EP1100PDC	E	1.000 to 107.000	HCMOS	5.0	100	PD	-20 to +70	45.96	11.49
669-EP1100PDL	E	1.000 to 107.000	TTL	5.0	100	PD	-20 to +70	45.96	11.49
669-EP1100ETPDC	E	1.000 to 107.000	HCMOS	5.0	100	PD	-40 to +85	31.50	23.63
669-EP1100ETPDL	E	1.000 to 107.000	TTL	5.0	100	PD	-40 to +85	50.50	12.63

DIMENSIONS: mm

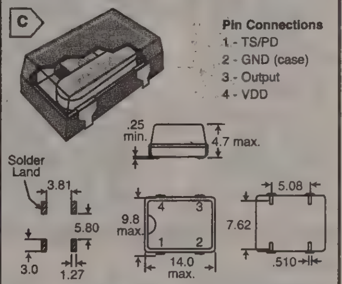
A


Pin Connections
1 - TS/PD
2 - GND (case)
3 - Output
4 - VDD

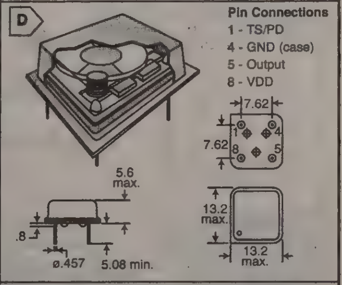
B


Pin Connections
1 - TS/PD
2 - GND (case)
3 - Output
4 - VDD

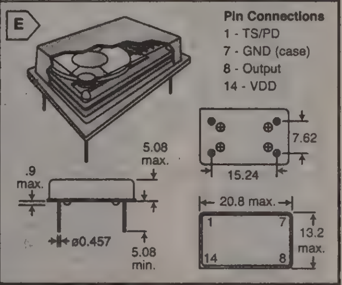
C


Pin Connections
1 - TS/PD
2 - GND (case)
3 - Output
4 - VDD

D


Pin Connections
1 - TS/PD
4 - GND (case)
5 - Output
8 - VDD

E


Pin Connections
1 - TS/PD
7 - GND (case)
8 - Output
14 - VDD

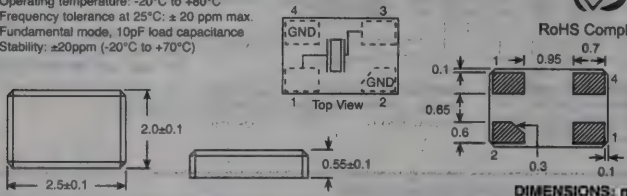
ABRACON Ceramic Microprocessor Crystals

ABRACON ABM10 SERIES ULTRA MINI CERAMIC, 2 X 2.5

Features:

- Operating temperature: -20°C to +80°C
- Frequency tolerance at 25°C: ± 20 ppm max.
- Fundamental mode, 10pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

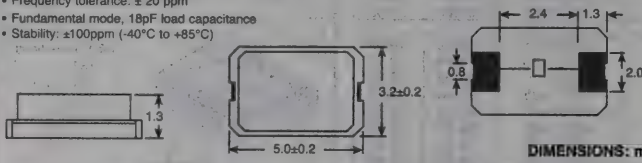
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM10-20-E20-T	ABM10-20.000MHZ-E20-T	20.0000	7.50	6.25	5.00	4.38	3.75
815-ABM10-22.118E20T	ABM10-22.1184MHZ-E20-T	22.1184	7.50	6.25	5.00	4.38	3.75
815-ABM10-24-E20-T	ABM10-24.000MHZ-E20-T	24.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-24.576E20T	ABM10-24.576MHZ-E20-T	24.576	7.50	6.25	5.00	4.38	3.75
815-ABM10-25-E20-T	ABM10-25.000MHZ-E20-T	25.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-27-E20-T	ABM10-27.000MHZ-E20-T	27.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-30-E20-T	ABM10-30.000MHZ-E20-T	30.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-40-E20-T	ABM10-40.000MHZ-E20-T	40.000	7.50	6.25	5.00	4.38	3.75
815-ABM10-48-E20-T	ABM10-48.000MHZ-E20-T	48.000	7.50	6.25	5.00	4.38	3.75

ABRACON ABM3 SERIES MINI CERAMIC, 3.2 X 5

Features:

- Operating temperature: -20°C to 70°C
- Frequency tolerance: ± 20 ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±100ppm (-40°C to +85°C)

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

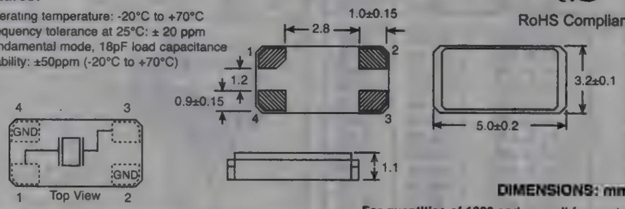
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM3-12-B2-T	ABM3-12.000MHZ-B2-T	12.000	1.50	1.25	1.00	.88	.75
815-ABM3-13.560-B2-T	ABM3-13.560MHZ-B2-T	13.560	1.50	1.25	1.00	.88	.75
815-ABM3-14.31818B2T	ABM3-14.31818MHZ-B2-T	14.3182	1.50	1.25	1.00	.88	.75
815-ABM3-16-B2-T	ABM3-16.000MHZ-B2-T	16.000	1.50	1.25	1.00	.88	.75
815-ABM3-18.432-B2-T	ABM3-18.432MHZ-B2-T	18.432	1.50	1.25	1.00	.88	.75
815-ABM3-20-B2-T	ABM3-20.000MHZ-B2-T	20.000	1.50	1.25	1.00	.88	.75
815-ABM3-24-B2-T	ABM3-24.000MHZ-B2-T	24.000	1.50	1.25	1.00	.88	.75
815-ABM3-24.576-B2-T	ABM3-24.576MHZ-B2-T	24.576	1.50	1.25	1.00	.88	.75
815-ABM3-25-B2-T	ABM3-25.000MHZ-B2-T	25.000	1.50	1.25	1.00	.88	.75
815-ABM3-27-B2-T	ABM3-27.000MHZ-B2-T	27.000	1.50	1.25	1.00	.88	.75
815-ABM3-28.6363-B2T	ABM3-28.6363MHZ-B2-T	28.6363	1.50	1.25	1.00	.88	.75
815-ABM3-29.4912-B2T	ABM3-29.4912MHZ-B2-T	29.4912	1.50	1.25	1.00	.88	.75
815-ABM3-30-B2-T	ABM3-30.000MHZ-B2-T	30.000	1.50	1.25	1.00	.88	.75
815-ABM3-33-B2-T	ABM3-33.000MHZ-B2-T	33.000	1.50	1.25	1.00	.88	.75
815-ABM3-40-B2-T	ABM3-40.000MHZ-B2-T	40.000	1.50	1.25	1.00	.88	.75
815-ABM3-48-B2-T	ABM3-48.000MHZ-B2-T	48.000	1.50	1.25	1.00	.88	.75

ABRACON ABM3B SERIES MINI CERAMIC, 3.2 X 5

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance at 25°C: ± 20 ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

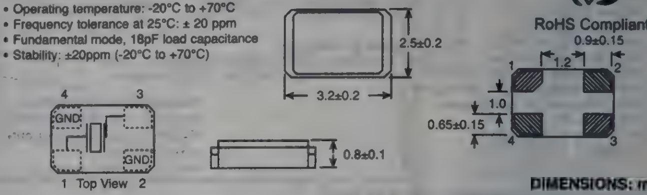
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM3B-12-B2	ABM3B-12.000MHZ-B2-T	12.000	1.50	1.25	1.00	.88	.75
815-ABM3B-12.288-B2T	ABM3B-12.288MHZ-B2-T	12.288	1.50	1.25	1.00	.88	.75
815-ABM3B-13-B2-T	ABM3B-13.000MHZ-B2-T	13.000	1.50	1.25	1.00	.88	.75
815-ABM3B-13.824-B2T	ABM3B-13.824MHZ-B2-T	13.824	1.50	1.25	1.00	.88	.75
815-ABM3B-14.3181B2T	ABM3B-14.31818MHZ-B2-T	14.3182	1.50	1.25	1.00	.88	.75
815-ABM3B-15.360-B2T	ABM3B-15.360MHZ-B2-T	15.360	1.50	1.25	1.00	.88	.75
815-ABM3B-16-B2	ABM3B-16.000MHZ-B2-T	16.000	1.50	1.25	1.00	.88	.75
815-ABM3B-16.384-B2	ABM3B-16.384MHZ-B2-T	16.384	1.50	1.25	1.00	.88	.75
815-ABM3B-18.432-B2	ABM3B-18.432MHZ-B2-T	18.432	1.50	1.25	1.00	.88	.75
815-ABM3B-20-B2	ABM3B-20.000MHZ-B2-T	20.000	1.50	1.25	1.00	.88	.75
815-ABM3B-24-B2	ABM3B-24.000MHZ-B2-T	24.000	1.50	1.25	1.00	.88	.75
815-ABM3B-24.576-B2	ABM3B-24.576MHZ-B2-T	24.576	1.50	1.25	1.00	.88	.75
815-ABM3B-25-B2	ABM3B-25.000MHZ-B2-T	25.000	1.50	1.25	1.00	.88	.75
815-ABM3B-27-B2	ABM3B-27.000MHZ-B2-T	27.000	1.50	1.25	1.00	.88	.75
815-ABM3B-30-B2	ABM3B-30.000MHZ-B2-T	30.000	1.50	1.25	1.00	.88	.75
815-ABM3B-32-B2	ABM3B-32.000MHZ-B2-T	32.000	1.50	1.25	1.00	.88	.75
815-ABM3B-40-B2	ABM3B-40.000MHZ-B2-T	40.000	1.50	1.25	1.00	.88	.75
815-ABM3B-48-B2	ABM3B-48.000MHZ-B2-T	48.000	1.50	1.25	1.00	.88	.75

ABRACON ABM8 SERIES ULTRA MINI CERAMIC, 2.5 X 3.2

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance at 25°C: ± 20 ppm
- Fundamental mode, 18pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

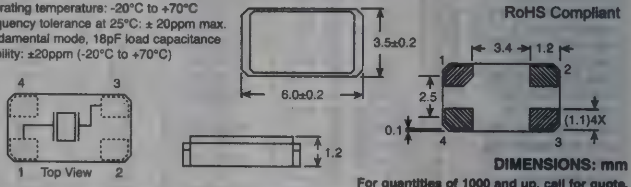
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABM8-16-B2-T	ABM8-16.000MHZ-B2-T	16.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-18.432-B2-T	ABM8-18.432MHZ-B2-T	18.4320	2.55	2.13	1.70	1.49	1.28
815-ABM8-20-B2-T	ABM8-20.000MHZ-B2-T	20.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-22.1184-B2T	ABM8-22.1184MHZ-B2-T	22.1184	2.55	2.13	1.70	1.49	1.28
815-ABM8-24-B2-T	ABM8-24.000MHZ-B2-T	24.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-24.576-B2-T	ABM8-24.576MHZ-B2-T	24.5760	2.55	2.13	1.70	1.49	1.28
815-ABM8-25-B2-T	ABM8-25.000MHZ-B2-T	25.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-27-B2-T	ABM8-27.000MHZ-B2-T	27.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-28.375-B2-T	ABM8-28.375MHZ-B2-T	28.3750	2.55	2.13	1.70	1.49	1.28
815-ABM8-28.63636B2T	ABM8-28.63636MHZ-B2-T	28.63636	2.55	2.13	1.70	1.49	1.28
815-ABM8-29.4912-B2T	ABM8-29.4912MHZ-B2-T	29.4912	2.55	2.13	1.70	1.49	1.28
815-ABM8-30-B2-T	ABM8-30.000MHZ-B2-T	30.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-33-B2-T	ABM8-33.000MHZ-B2-T	33.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-40-B2-T	ABM8-40.000MHZ-B2-T	40.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-44-B2-T	ABM8-44.000MHZ-B2-T	44.0000	2.55	2.13	1.70	1.49	1.28
815-ABM8-48-B2-T	ABM8-48.000MHZ-B2-T	48.0000	2.55	2.13	1.70	1.49	1.28

ABRACON ABMM2 SERIES MINI CERAMIC, 3.5 X 6

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance at 25°C: ± 20ppm max.
- Fundamental mode, 18pF load capacitance
- Stability: ±20ppm (-20°C to +70°C)

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

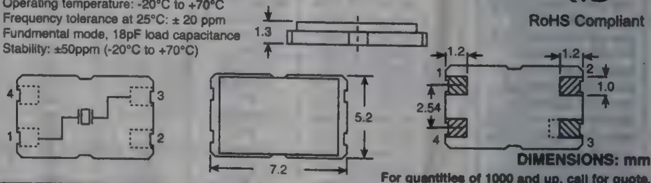
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABMM2-8-E2T	ABMM2-8.000MHZ-E2-T	8.0000	1.19	1.00	.81	.72	.62
815-ABMM2-10-E2T	ABMM2-10.000MHZ-E2-T	10.0000	1.19	1.00	.81	.72	.62
815-ABMM2-11.059-E2T	ABMM2-11.0592MHZ-E2-T	11.0592	1.19	1.00	.81	.72	.62
815-ABMM2-12-E2T	ABMM2-12.000MHZ-E2-T	12.0000	1.19	1.00	.81	.72	.62
815-ABMM2-14.318-E2T	ABMM2-14.31818MHZ-E2-T	14.31818	1.19	1.00	.81	.72	.62
815-ABMM2-14.745-E2T	ABMM2-14.7456MHZ-E2-T	14.7456	1.19	1.00	.81	.72	.62
815-ABMM2-16-E2T	ABMM2-16.000MHZ-E2-T	16.0000	1.19	1.00	.81	.72	.62
815-ABMM2-16.934-E2T	ABMM2-16.9344MHZ-E2-T	16.9344	1.19	1.00	.81	.72	.62
815-ABMM2-19.660-E2T	ABMM2-19.6608MHZ-E2-T	19.6608	1.19	1.00	.81	.72	.62
815-ABMM2-20-E2T	ABMM2-20.000MHZ-E2-T	20.0000	1.19	1.00	.81	.72	.62
815-ABMM2-24-E2T	ABMM2-24.000MHZ-E2-T	24.0000	1.19	1.00	.81	.72	.62
815-ABMM2-24.576-E2T	ABMM2-24.576MHZ-E2-T	24.5760	1.19	1.00	.81	.72	.62
815-ABMM2-25-E2T	ABMM2-25.000MHZ-E2-T	25.0000	1.19	1.00	.81	.72	.62
815-ABMM2-27-E2T	ABMM2-27.000MHZ-E2-T	27.0000	1.19	1.00	.81	.72	.62
815-ABMM2-32-E2T	ABMM2-32.000MHZ-E2-T	32.0000	1.19	1.00	.81	.72	.62

ABRACON ABMM SERIES CERAMIC, 5.2 X 7.2

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance at 25°C: ± 20 ppm
- Fundmental mode, 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABMM-8-B2-T	ABMM-8.000MHZ-B2-T	8.0000	1.13	.94	.75	.66	.56
815-ABMM-10-B2-T	ABMM-10.000MHZ-B2-T	10.0000	1.13	.94	.75	.66	.56
815-ABMM-11.0592-B2T	ABMM-11.0592MHZ-B2-T	11.0592	1.13	.94	.75	.66	.56
815-ABMM-12-B2-T	ABMM-12.000MHZ-B2-T	12.0000	1.13	.94	.75	.66	.56
815-ABMM-14.3181-B2T	ABMM-14.31818MHZ-B2-T	14.31818	1.13	.94	.75	.66	.56
815-ABMM-14.7456-B2T	ABMM-14.7456MHZ-B2-T	14.7456	1.13	.94	.75	.66	.56
815-ABMM-16-B2-T	ABMM-16.000MHZ-B2-T	16.0000	1.13	.94	.75	.66	.56
815-ABMM-16.9344-B2T	ABMM-16.9344MHZ-B2-T	16.9344	1.13	.94	.75	.66	.56
815-ABMM-19.6608-B2T	ABMM-19.6608MHZ-B2-T	19.6608	1.13	.94	.75	.66	.56
815-ABMM-20B2-T	ABMM-20.000MHZB2-T	20.0000	1.13	.94	.75	.66	.56
815-ABMM-24-B2-T	ABMM-24.000MHZ-B2-T	24.0000	1.13	.94	.75	.66	.56
815-ABMM-24.576-B2-T	ABMM-24.576MHZ-B2-T	24.5760	1.13	.94	.75	.66	.56
815-ABMM-25-B2-T	ABMM-25.000MHZ-B2-T	25.0000	1.13	.94	.75	.66	.56
815-ABMM-27-B2-T	ABMM-27.000MHZ-B2-T	27.0000	1.13	.94	.75	.66	.56
815-ABMM-32-B2-T	ABMM-32.000MHZ-B2-T	32.0000	1.13	.94	.75	.66	.60

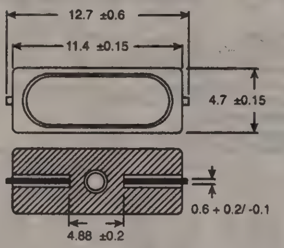
ABRACON Microprocessor Crystals

RoHS Compliant This page of product is compliant.

ABLS SERIES SMD MICROPROCESSOR CRYSTALS, HC49SM

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance: ± 20ppm
- 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)



RoHS Compliant

DIMENSIONS: mm

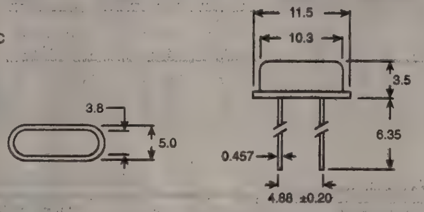
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABLS-3.579545B2	ABLS-3.579545MHZ-B2-T	3.57955	.45	.38	.36	.30	.26
815-ABLS-3.6864-B2	ABLS-3.6864MHZ-B2-T	3.6864	.45	.38	.36	.30	.26
815-ABLS-4-B2	ABLS-4.000MHZ-B2-T	4.0000	.45	.38	.36	.30	.26
815-ABLS-4.9152-B2	ABLS-4.9152MHZ-B2-T	4.9152	.45	.38	.36	.30	.26
815-ABLS-5-B2	ABLS-5.000MHZ-B2-T	5.0000	.45	.38	.36	.30	.26
815-ABLS-7.3728-B2	ABLS-7.3728MHZ-B2-T	7.3728	.45	.38	.36	.30	.26
815-ABLS-8-B2	ABLS-8.000MHZ-B2-T	8.0000	.45	.38	.36	.30	.26
815-ABLS-8.192-B2	ABLS-8.192MHZ-B2-T	8.1920	.45	.38	.36	.30	.26
815-ABLS-10-B2	ABLS-10.000MHZ-B2-T	10.0000	.45	.38	.36	.30	.26
815-ABLS-11.0592-B2	ABLS-11.0592MHZ-B2-T	11.0592	.45	.38	.36	.30	.26
815-ABLS-12-B2	ABLS-12.000MHZ-B2-T	12.0000	.45	.38	.36	.30	.26
815-ABLS-12.288-B2	ABLS-12.288MHZ-B2-T	12.2880	.45	.38	.36	.30	.26
815-ABLS-14.31818-B2	ABLS-14.31818MHZ-B2-T	14.31818	.45	.38	.36	.30	.26
815-ABLS-14.7456-B2	ABLS-14.7456MHZ-B2-T	14.7456	.45	.38	.36	.30	.26
815-ABLS-16-B2	ABLS-16.000MHZ-B2-T	16.0000	.45	.38	.36	.30	.26
815-ABLS-18.432-B2	ABLS-18.432MHZ-B2-T	18.4320	.45	.38	.36	.30	.26
815-ABLS-19.6608-B2	ABLS-19.6608MHZ-B2-T	19.6608	.45	.38	.36	.30	.26
815-ABLS-20-B2	ABLS-20.000MHZ-B2-T	20.0000	.45	.38	.36	.30	.26
815-ABLS-22.1184-B2	ABLS-22.1184MHZ-B2-T	22.1184	.45	.38	.36	.30	.26
815-ABLS-24-B2	ABLS-24.000MHZ-B2-T	24.0000	.45	.38	.36	.30	.26
815-ABLS-24.576-B2	ABLS-24.576MHZ-B2F-T	24.5760	.45	.38	.36	.30	.26
815-ABLS-25-B2	ABLS-25.000MHZ-B2F-T	25.0000	.45	.38	.36	.30	.26
815-ABLS-27-B2	ABLS-27.000MHZ-B2F-T	27.0000	.45	.38	.36	.30	.26
815-ABLS-32-B2	ABLS-32.000MHZ-B2-T	32.7680	.45	.38	.36	.30	.26
815-ABLS-48-B2	ABLS-48.000MHZ-B2-T	48.0000	.45	.38	.36	.30	.26
815-ABLS-49.152-B2	ABLS-49.152MHZ-B2-T	49.1520	.45	.38	.36	.30	.26

ABL SERIES MICROPROCESSOR CRYSTALS, LEADED, HC49US

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance: ± 20ppm
- 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)



RoHS Compliant

DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

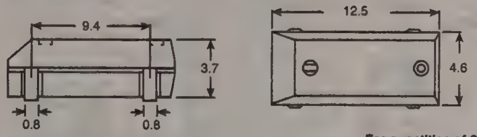
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ABL-3.579545B2	ABL-3.579545MHZ-B2	3.57955	.42	.37	.35	.28	.25
815-ABL-3.6864-B2	ABL-3.6864MHZ-B2	3.6864	.42	.37	.35	.28	.25
815-ABL-4-B2	ABL-4.000MHZ-B2	4.0000	.42	.37	.35	.28	.25
815-ABL-4.096-B2	ABL-4.096MHZ-B2	4.0960	.42	.37	.35	.28	.25
815-ABL-4.9152-B2	ABL-4.9152MHZ-B2	4.9152	.42	.37	.35	.28	.25
815-ABL-6-B2	ABL-6.000MHZ-B2	6.0000	.42	.37	.35	.28	.25
815-ABL-7.3728-B2	ABL-7.3728MHZ-B2	7.3728	.42	.37	.35	.28	.25
815-ABL-8-B2	ABL-8.000MHZ-B2	8.0000	.42	.37	.35	.28	.25
815-ABL-8.192-B2	ABL-8.192MHZ-B2	8.1920	.42	.37	.35	.28	.25
815-ABL-9.8304-B2	ABL-9.8304MHZ-B2	9.8304	.42	.37	.35	.28	.25
815-ABL-10-B2	ABL-10.000MHZ-B2	10.0000	.42	.37	.35	.28	.25
815-ABL-11.0592-B2	ABL-11.0592MHZ-B2	11.0592	.42	.37	.35	.28	.25
815-ABL-12-B2	ABL-12.000MHZ-B2	12.0000	.42	.37	.35	.28	.25
815-ABL-12.288-B2	ABL-12.288MHZ-B2	12.2880	.42	.37	.35	.28	.25
815-ABL-14.31818B2	ABL-14.31818MHZ-B2	14.31818	.42	.37	.35	.28	.25
815-ABL-14.7456-B2	ABL-14.7456MHZ-B2	14.7456	.42	.37	.35	.28	.25
815-ABL-16-B2	ABL-16.000MHZ-B2	16.0000	.42	.37	.35	.28	.25
815-ABL-16.128-B2	ABL-16.128MHZ-B2	16.1280	.42	.37	.35	.28	.25
815-ABL-16.384-B2	ABL-16.384MHZ-B2	16.3840	.42	.37	.35	.28	.25
815-ABL-18.432-B2	ABL-18.432MHZ-B2	18.4320	.42	.37	.35	.28	.25
815-ABL-19.6608-B2	ABL-19.6608MHZ-B2	19.6608	.42	.37	.35	.28	.25
815-ABL-20-B2	ABL-20.000MHZ-B2	20.0000	.42	.37	.35	.28	.25
815-ABL-22.1184-B2	ABL-22.1184MHZ-B2	22.1184	.42	.37	.35	.28	.25
815-ABL-24-B2	ABL-24.000MHZ-B2	24.0000	.42	.37	.35	.28	.25
815-ABL-24.576-B2F	ABL-24.576MHZ-B2F	24.5760	.42	.37	.35	.28	.25
815-ABL-25-B2F	ABL-25.000MHZ-B2F	25.0000	.42	.37	.35	.28	.25
815-ABL-27-B2F	ABL-27.000MHZ-B2F	27.0000	.42	.37	.35	.28	.25
815-ABL-32-B2F	ABL-32.000MHZ-B2	32.0000	.42	.37	.35	.28	.25
815-ABL-40-B2F	ABL-40.000MHZ-B2	40.0000	.75	.66	.63	.50	.44
815-ABL-48-B2F	ABL-48.000MHZ-B2	48.0000	1.50	1.33	1.25	1.00	.88

ABSM2 SERIES SMD MICROPROCESSOR CRYSTALS, MOLDED PLASTIC

Features:

- Operating temperature: -10°C to +60°C
- Frequency tolerance: ± 30ppm
- Stability: ±50ppm (-10°C to +60°C)
- Load capacitance C_L: 18pF

RoHS Compliant



DIMENSIONS: mm

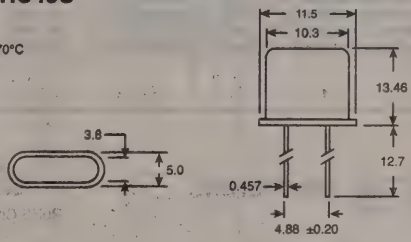
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-ABSM2-3.579545-4	ABSM2-3.579545MHZ-4-T	3.579545	.90	.75	.60	.53	.45
815-ABSM2-3.6864-4	ABSM2-3.6864MHZ-4-T	3.686400	.90	.75	.60	.53	.45
815-ABSM2-4.000-4	ABSM2-4.000MHZ-4-T	4.000000	.90	.75	.60	.53	.45
815-ABSM2-4.9152-4	ABSM2-4.9152MHZ-4-T	4.915200	.90	.75	.60	.53	.45
815-ABSM2-5.000-4	ABSM2-5.000MHZ-4-T	5.000000	.90	.75	.60	.53	.45
815-ABSM2-7.3728-4	ABSM2-7.3728MHZ-4-T	7.372800	.90	.75	.60	.53	.45
815-ABSM2-8.000-4	ABSM2-8.000MHZ-4-T	8.000000	.90	.75	.60	.53	.45
815-ABSM2-8.192-4	ABSM2-8.192MHZ-4-T	8.192000	.90	.75	.60	.53	.45
815-ABSM2-10.000-4	ABSM2-10.000MHZ-4-T	10.000000	.90	.75	.60	.53	.45
815-ABSM2-11.0592-4	ABSM2-11.0592MHZ-4-T	11.059200	.90	.75	.60	.53	.45
815-ABSM2-12.000-4	ABSM2-12.000MHZ-4-T	12.000000	.90	.75	.60	.53	.45
815-ABSM2-12.288-4	ABSM2-12.288MHZ-4-T	12.288000	.90	.75	.60	.53	.45
815-ABSM2-14.31818-4	ABSM2-14.31818MHZ-4-T	14.318180	.90	.75	.60	.53	.45
815-ABSM2-14.7456-4	ABSM2-14.7456MHZ-4-T	14.745600	.90	.75	.60	.53	.45
815-ABSM2-16.000-4	ABSM2-16.000MHZ-4-T	16.000000	.90	.75	.60	.53	.45
815-ABSM2-18.432-4	ABSM2-18.432MHZ-4-T	18.432000	.90	.75	.60	.53	.45
815-ABSM2-19.6608-4	ABSM2-19.6608MHZ-4-T	19.660800	.90	.75	.60	.53	.45
815-ABSM2-20.000-4	ABSM2-20.000MHZ-4-T	20.000000	.90	.75	.60	.53	.45
815-ABSM2-22.1184-4	ABSM2-22.1184MHZ-4-T	22.118400	1.08	.90	.72	.63	.54
815-ABSM2-24.000-4	ABSM2-24.000MHZ-4-T	24.000000	1.08	.90	.72	.63	.54
815-ABSM2-24.576-4	ABSM2-24.576MHZ-4-T	24.576000	1.08	.90	.72	.63	.54
815-ABSM2-25.000-4	ABSM2-25.000MHZ-4-T	25.000000	1.08	.90	.72	.63	.54
815-ABSM2-27.000-4	ABSM2-27.000MHZ-4-T	27.000000	1.08	.90	.72	.63	.54
815-ABSM2-32.000-4	ABSM2-32.000MHZ-4-T	32.768000	1.08	.90	.72	.63	.54
815-ABSM2-48.000-4	ABSM2-48.000MHZ-4-T	48.000000	1.08	.90	.72	.63	.54
815-ABSM2-49.152-4	ABSM2-49.152MHZ-4-T	49.152000	1.08	.90	.72	.63	.54

AB SERIES MICROPROCESSOR CRYSTALS, LEADED, HC49U

Features:

- Operating temperature: -20°C to +70°C
- Frequency tolerance: ± 20ppm
- 18pF load capacitance
- Stability: ±50ppm (-20°C to +70°C)



RoHS Compliant

DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-AB-1.8432-B2	AB-1.8432MHZ-B2	1.8432	1.20	1.00	.80	.70	.60
815-AB-2-B2	AB-2.000MHZ-B2	2.0000	1.20	1.00	.80	.70	.60
815-AB-3.579545-B2	AB-3.579545MHZ-B2	3.57955	.36	.30	.24	.22	.19
815-AB-3.6864-B2	AB-3.6864MHZ-B2	3.6864	.36	.30	.24	.22	.19
815-AB-4-B2	AB-4.000MHZ-B2	4.0000	.36	.30	.24	.22	.19
815-AB-4.9152-B2	AB-4.9152MHZ-B2	4.9152	.36	.30	.24	.22	.19
815-AB-5-B2	AB-5.000MHZ-B2	5.0000	.36	.30	.24	.22	.19
815-AB-6-B2	AB-6.000MHZ-B2	6.0000	.36	.30	.24	.22	.19
815-AB-7.3728-B2	AB-7.3728MHZ-B2	7.3728	.36	.30	.24	.22	.19
815-AB-8-B2	AB-8.000MHZ-B2	8.0000	.36	.30	.24	.22	.19
815-AB-8.192-B2	AB-8.192MHZ-B2	8.1920	.36	.30	.24	.22	.19
815-AB-9.8304-B2	AB-9.8304MHZ-B2	9.8304	.36	.30	.24	.22	.19
815-AB-10-B2	AB-10.000MHZ-B2	10.0000	.36	.30	.24	.22	.19
815-AB-11.0592-B2	AB-11.0592MHZ-B2	11.0592	.36	.30	.24	.22	.19
815-AB-12-B2	AB-12.000MHZ-B2	12.0000	.36	.30	.24	.22	.19
815-AB-12.288-B2	AB-12.288MHZ-B2	12.2880	.36	.30	.24	.22	.19
815-AB-14.31818B2	AB-14.31818MHZ-B2	14.31818	.36	.30	.24	.22	.19
815-AB-14.7456-B2	AB-14.7456MHZ-B2	14.7456	.36	.30	.24	.22	.19
815-AB-16-B2	AB-16.000MHZ-B2	16.0000	.36	.30	.24	.22	.19
815-AB-18.432-B2	AB-18.432MHZ-B2	18.4320	.36	.30	.24	.22	.19
815-AB-19.6608-B2	AB-19.6608MHZ-B2	19.6608	.36	.30	.24	.22	.19
815-AB-20-B2	AB-20.000MHZ-B2	20.0000	.36	.30	.24	.22	.19
815-AB-22.1184-B2	AB-22.1184MHZ-B2	22.1184	.36	.30	.24	.22	.19
815-AB-24-B2	AB-24.000MHZ-B2	24.0000	.36	.30	.24	.22	.19
815-AB-24.576-B2F	AB-24.576MHZ-B2F	24.5760	.36	.30	.24	.22	.19
815-AB-25-B2F	AB-25.000MHZ-B2F	25.0000	.36	.30	.24	.22	.19
815-AB-27-B2	AB-27.000MHZ-B2F	27.0000	.36	.30	.24	.22	.19
815-AB-32-B2	AB-32.000MHZ-B2	32.0000	.36	.30	.24	.22	.19
815-AB-32.768-B2	AB-32.768MHZ-B2	32.7680	.36	.30	.24	.22	.19
815-AB-48-B2	AB-48.000MHZ-B2	48.0000	.75	.63	.50	.44	.38
815-AB-50-B2	AB-50.000MHZ-B2	50.0000	.75	.63	.50	.44	.38

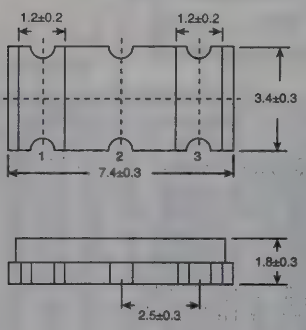
ABRACON Ceramic Resonators and SAW Products

AWSCR SERIES BUILT-IN CAP, CERAMIC RESONATORS, SMD

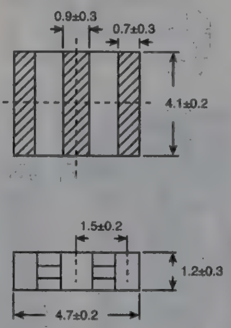
Features:
- Frequency tolerance: ± 0.5%
- Operating temperature: -40°C to +85°C
- Industrial grade

RoHS Compliant

AWSCR-MG



AWSCR-MT



DIMENSIONS: mm

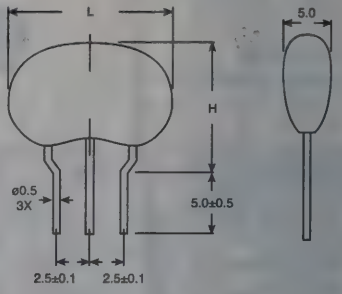
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each				
			1	25	100	500	1000
815-AWSCR-3.58MGD-T	AWSCR-3.58MGD-T	3.5800	.44	.36	.30	.26	.23
815-AWSCR-4.00MGD-T	AWSCR-4.00MGD-T	4.0000	.44	.36	.30	.26	.23
815-AWSCR-6.00MGD-T	AWSCR-6.00MGD-T	6.0000	.44	.36	.30	.26	.23
815-AWSCR-8.00MGD-T	AWSCR-8.00MGD-T	8.0000	.44	.36	.30	.26	.23
815-AWSCR-16.00MTD-T	AWSCR-16.00MTD-T	16.0000	.44	.36	.30	.26	.23
815-AWSCR-20.00MTD-T	AWSCR-20.00MTD-T	20.0000	.44	.36	.30	.26	.23
815-AWSCR-24.00MTD-T	AWSCR-24.00MTD-T	24.0000	.44	.36	.30	.26	.23
815-AWSCR-25.00MTD-T	AWSCR-25.00MTD-T	25.0000	.44	.36	.30	.26	.23
815-AWSCR-32.00MTD-T	AWSCR-32.00MTD-T	32.0000	.44	.36	.30	.26	.23
815-AWSCR-40.00MTD-T	AWSCR-40.00MTD-T	40.0000	.44	.36	.30	.26	.23
815-AWSCR-48.00MTD-T	AWSCR-48.00MTD-T	48.0000	.44	.36	.30	.26	.23
815-AWSCR-50.00MTD-T	AWSCR-50.00MTD-T	50.0000	.44	.36	.30	.26	.23

AWCR SERIES BUILT-IN CAP CERAMIC RESONATORS, LEADED

Features:
- Frequency Tolerance: ±0.5%
- Operating Temperature: -40°C to +85°C
- Low resonant impedance
- Excellent environmental resistance
- Reflow capable
- High stability washable type
- Industrial grade

RoHS Compliant



Frequency Range (MHz)	L (max)	H (max)
1.8~6.00	10.00	8.0
6.01~13.00	10.00	8.0
13.01~50.00	10.00	10.00

DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Freq. (MHz)	Price Each				
			1	10	100	500	1000
815-AWCR-2.00MD	AWCR-2.00MD	2.0000	.35	.29	.23	.20	.19
815-AWCR-3.58MD	AWCR-3.58MD	3.5800	.35	.29	.23	.20	.19
815-AWCR-4.00MD	AWCR-4.00MD	4.0000	.35	.29	.23	.20	.19
815-AWCR-6.00MD	AWCR-6.00MD	6.0000	.35	.29	.23	.20	.19
815-AWCR-8.00MD	AWCR-8.00MD	8.0000	.35	.29	.23	.20	.19
815-AWCR-10.00MD	AWCR-10.00MD	10.0000	.35	.29	.23	.20	.19
815-AWCR-12.00MD	AWCR-12.00MD	12.0000	.35	.29	.23	.20	.19
815-AWCR-16.00MD	AWCR-16.00MD	16.0000	.35	.29	.23	.20	.19
815-AWCR-20.00MD	AWCR-20.00MD	20.0000	.35	.29	.23	.20	.19

SAW FILTERS

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Fig.	Center Frequency (MHz)	Bandwidth (MHZ)	Insertion Loss (dB)	Price Each			
						1	10	50	100
815-AFS303.825E	AFS303.825E	A	303.825	±0.3	3.0	3.75	3.30	2.50	2.19
815-AFS315E	AFS315E	A	315	±0.3	3.0	3.75	3.30	2.50	2.19
815-AFS374E	AFS374E	A	374	±7	9.5	3.75	3.30	2.50	2.19
815-AFS390E	AFS390E	A	390	±0.4	1.7	3.75	3.30	2.50	2.19
815-AFS418S3	AFS418S3	B	418	±2	2.5	3.75	3.30	2.50	2.19
815-AFS434S3	AFS434S3	B	434	±2	2.5	3.75	3.30	2.50	2.19
815-AFS868.35S3	AFS868.35S3	B	868	±1	3.5	3.75	3.30	2.50	2.19
815-AFS869S3	AFS869S3	B	869	±4	4.5	3.75	3.30	2.50	2.19
815-AFS915S3	AFS915S3	B	915	±3.5	2.9	3.75	3.30	2.50	2.19
815-AFS916.5S3	AFS916.5S3	B	916.5	±0.6	4.5	3.75	3.30	2.50	2.19
815-AFS930S3	AFS930S3	B	930	±2	2.8	3.75	3.30	2.50	2.19
815-AFS1575.42S4	AFS1575.42S4	C	1575.42	±1.2	1.5	3.75	3.30	2.50	2.19
815-AFS1842.5S4	AFS1842.5S4	C	1842.5	±37.5	2.5	3.75	3.30	2.50	2.19
815-AFS1960S4	AFS1960S4	C	1960	±30	3.0	3.75	3.30	2.50	2.19

SAW RESONATORS

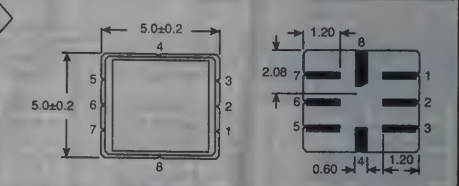
RoHS Compliant

For quantities of 500 and up, call for quote.

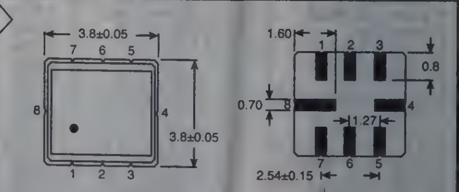
MOUSER STOCK NO.	Abracon Part No.	Fig.	Center Frequency (MHz)	Bandwidth (MHZ)	Insertion Loss (dB)	Price Each			
						1	10	50	100
815-ASR303.825E	ASR303.825E	A	303.825	±75	1.3	3.75	3.30	2.50	2.19
815-ASR315E	ASR315E	A	315	±75	1.3	3.75	3.30	2.50	2.19
815-ASR390E	ASR390E	A	390	±75	1.3	3.75	3.30	2.50	2.19
815-ASR423.22E	ASR423.22E	A	423.22	±75	1.3	3.75	3.30	2.50	2.19
815-ASR433.42E	ASR433.42E	A	433.42	±75	1.3	3.75	3.30	2.50	2.19
815-ASR433.92E	ASR433.92E	A	433.92	±75	1.3	3.75	3.30	2.50	2.19
815-ASR868.35E	ASR868.35E	A	868.35	±250	1.5	3.75	3.30	2.50	2.19
815-ASR915E	ASR915E	A	915	±250	1.5	3.75	3.30	2.50	2.19

DIMENSIONS: mm

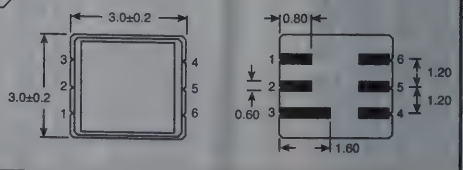
A



B



C

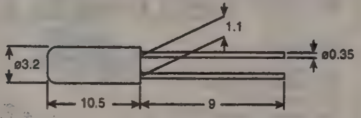


AB308 SERIES HIGH FREQUENCY, CYLINDRICAL TYPE, MICROPROCESSOR CRYSTALS

Features:

- Operating Temperature: -10°C to +60°C
- Frequency tolerance: ±30ppm max.
- 18pF load capacitance
- Stability: ±50ppm (-10°C to +60°C)

RoHS Compliant



DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-AB308-4.000	AB308-4.000MHZ	4.0000	.54	.45	.36	.32	.29
815-AB308-4.9152	AB308-4.9152MHZ	4.9152	.54	.45	.36	.32	.29
815-AB308-5.000	AB308-5.000MHZ	5.0000	.54	.45	.36	.32	.29
815-AB308-6.000	AB308-6.000MHZ	6.0000	.54	.45	.36	.32	.29
815-AB308-7.3728	AB308-7.3728MHZ	7.3728	.54	.45	.36	.32	.29
815-AB308-8.000	AB308-8.000MHZ	8.0000	.54	.45	.36	.32	.29

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-AB308-10.000	AB308-10.000MHZ	10.0000	.54	.45	.36	.32	.29
815-AB308-12.000	AB308-12.000MHZ	12.0000	.54	.45	.36	.32	.29
815-AB308-12.288	AB308-12.288MHZ	12.2880	.54	.45	.36	.32	.29
815-AB308-12.352	AB308-12.352MHZ	12.3520	.54	.45	.36	.32	.29
815-AB308-14.31818	AB308-14.31818MHZ	14.31818	.54	.45	.36	.32	.29
815-AB308-14.7456	AB308-14.7456MHZ	14.7456	.54	.45	.36	.32	.29
815-AB308-16.000	AB308-16.000MHZ	16.0000	.54	.45	.36	.32	.29
815-AB308-16.257	AB308-16.257MHZ	16.2570	.54	.45	.36	.32	.29
815-AB308-16.667	AB308-16.667MHZ	16.6670	.54	.45	.36	.32	.29
815-AB308-20.000	AB308-20.000MHZ	20.0000	.54	.45	.36	.32	.29
815-AB308-26.540	AB308-26.540MHZ	26.5400	.66	.55	.44	.39	.35
815-AB308-28.000	AB308-28.000MHZ	28.0000	.66	.55	.44	.39	.35
815-AB308-28.6363	AB308-28.6363MHZ	28.6363	.66	.55	.44	.39	.35
815-AB308-29.4912	AB308-29.4912MHZ	29.4912	.66	.55	.44	.39	.35
815-AB308-53.125	AB308-53.125MHZ	53.1250	.66	.55	.44	.39	.35

32.768KHZ TUNING FORK WATCH CRYSTALS

Series	Operating temperature	Frequency tolerance
AB--T Series	-10°C to +60°C	±20ppm max.
AB26TRB Series	-40°C to +85°C	±20ppm max.
ABS13 Series	-40°C to +85°C	±20ppm max.
ABS25 Series	-40°C to +85°C	±20ppm max.

RoHS Compliant

AB Series Tuning Fork Crystals

- Frequency range from 30kHz to 200khz
- Excellent heat resistance

DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (KHz)	Price Each				
			1	25	100	500	1000
815-AB15T-32.768KHZ	AB15T-32.768KHZ	32.768000	.63	.53	.42	.37	.32
815-AB26T-32.768KHZ	AB26T-32.768KHZ	32.768000	.25	.20	.16	.14	.12
815-AB38T-32.768KHZ	AB38T-32.768KHZ	32.768000	.21	.20	.16	.14	.12

AB26TRB Series Tuning Fork, Leaded

- Frequency from 30kHz to 165khz
- Formed leads for low cost SMD type

MOUSER STOCK NO.	Abracon Part No.	Frequency (KHz)	Price Each				
			1	25	100	500	1000
815-AB26TRB-32.76KHZ	AB26TRB-32.768KHZ	32.768000	.57	.48	.38	.33	.29

ABS07 Series SMD Ceramic Ultra Miniature

- Small SMD type, 0.9 mm height
- Heat resistant packaging

MOUSER STOCK NO.	Abracon Part No.	Freq. (KHz)	Load Cap. (pF)	Dimensions			Price Each				
				L	W	H	1	50	100	1500	3000
815-ABS07-32.768K7T	ABS07-32.768KHZ-7-T	32.768	7	3.2	1.5	0.9	1.45	.92	.84	.79	.71
815-ABS07-32.768K9T	ABS07-32.768KHZ-9-T	32.768	9	3.2	1.5	0.9	1.45	.92	.84	.79	.71
815-ABS07-32.768KHZT	ABS07-32.768KHZ-T	32.768	12.5	3.2	1.5	0.9	1.53	.98	.89	.79	.75

ABS09 Series SMD Ceramic Ultra Miniature

- Small SMD type, 0.9 mm height
- Heat resistant packaging

MOUSER STOCK NO.	Abracon Part No.	Freq. (KHz)	Load Cap. (pF)	Dimensions			Price Each				
				L	W	H	1	50	100	1500	3000
815-ABS09-32.768K7T	ABS09-32.768KHZ-7-T	32.768	7	4.1	1.5	0.9	1.25	.80	.73	.69	.62
815-ABS09-32.768K9T	ABS09-32.768KHZ-9-T	32.768	9	4.1	1.5	0.9	1.25	.80	.73	.69	.62
815-ABS09-32.768KHZT	ABS09-32.768KHZ-T	32.768	12.5	4.1	1.5	0.9	1.25	.80	.73	.69	.62

ABS10 Series SMD Ceramic Ultra Miniature

- Small SMD type, 1.0 mm height
- Heat resistant packaging

MOUSER STOCK NO.	Abracon Part No.	Freq. (KHz)	Load Cap. (pF)	Dimensions			Price Each				
				L	W	H	1	50	100	1500	3000
815-ABS10-32.768K7T	ABS010-32.768KHZ-7-T	32.768	7	4.9	1.8	1.0	1.11	.71	.65	.61	.55
815-ABS10-32.768K9T	ABS010-32.768KHZ-9-T	32.768	9	4.9	1.8	1.0	1.11	.71	.65	.61	.55
815-ABS10-32.768KHZT	ABS10-32.768KHZ-T	32.768	12.5	4.9	1.8	1.0	1.11	.71	.65	.61	.55

ABS13 Series Molded Plastic, SMD

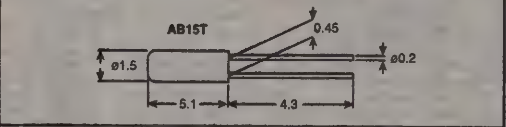
- Small SMD type, 1.3 mm height
- Heat resistant packaging

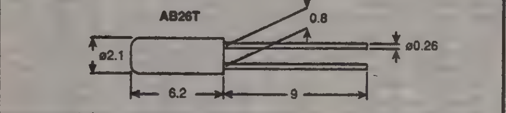
MOUSER STOCK NO.	Abracon Part No.	Freq. (KHz)	Load Cap. (pF)	Dimensions			Price Each				
				L	W	H	1	50	100	1500	3000
815-ABS13-32.768KHZT	ABS13-32.768KHZ-T	32.768	12.5	6.9	1.4	1.3	1.41	1.18	.95	.83	.75

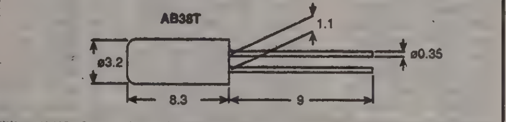
ABS25 Series Molded Plastic, SMD

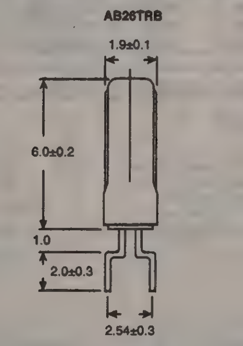
- Small SMD type, 2.5 mm height
- Heat resistant packaging

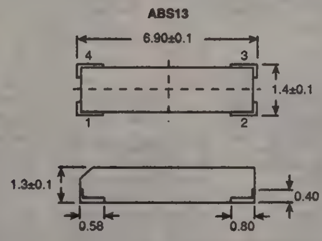
MOUSER STOCK NO.	Abracon Part No.	Freq. (KHz)	Load Cap. (pF)	Dimensions			Price Each				
				L	W	H	1	50	100	1500	3000
815-ABS25-32.768KHZ-T	ABS25-32.768KHZ-T	32.768	12.5	8.0	3.8	2.5	.84	.70	.56	.50	.42

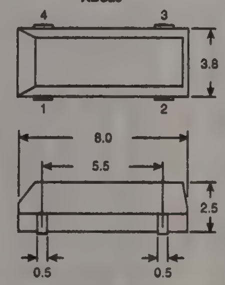








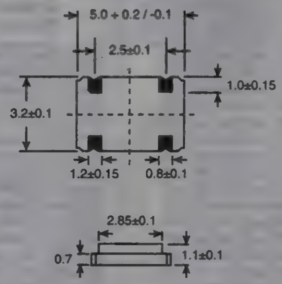




ABRACON SMD Crystal Clock Oscillators

ASFL1 SERIES MINIATURE CRYSTAL CLOCK OSCILLATORS, 3.2 X 5

Features:
- Frequency Range: 1.5 Mhz to 125.0 Mhz
- Operating Temperature: -40°C to +85°C
- Stability: ±30ppm (-20°C to +70°C)
- Supply Voltage (VDD): 3.3Vdc ± 10%
- Low current consumption
- Tight stability option
- Glass sealed package



Pin Assignment	
1	Tristate
2	GND/Case
3	Output
4	VDD

RoHS Compliant

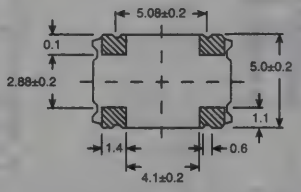
DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	25	100	500	1000
815-ASFL1-1.8432-EKT	ASFL1-1.8432MHZ-EK-T	1.8432	3.75	3.13	2.50	2.19	1.88
815-ASFL1-3.6864-EKT	ASFL1-3.6864MHZ-EK-T	3.6864	3.75	3.13	2.50	2.19	1.88
815-ASFL1-4-EK-T	ASFL1-4.000MHZ-EK-T	4.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-7.3728-EKT	ASFL1-7.3728MHZ-EK-T	7.3728	3.75	3.13	2.50	2.19	1.88
815-ASFL1-8-EK-T	ASFL1-8.000MHZ-EK-T	8.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-10-EK-T	ASFL1-10.000MHZ-EK-T	10.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-11.0592EKT	ASFL1-11.0592MHZ-EK-T	11.0592	3.75	3.13	2.50	2.19	1.88
815-ASFL1-12-EK-T	ASFL1-12.000MHZ-EK-T	12.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-14.3181EKT	ASFL1-14.31818MHZ-EK-T	14.3182	3.75	3.13	2.50	2.19	1.88
815-ASFL1-14.7456EKT	ASFL1-14.7456MHZ-EK-T	14.7456	3.75	3.13	2.50	2.19	1.88
815-ASFL1-16-EK-T	ASFL1-16.000MHZ-EK-T	16.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-18.432EKT	ASFL1-18.432MHZ-EK-T	18.3420	3.75	3.13	2.50	2.19	1.88
815-ASFL1-20-EK-T	ASFL1-20.000MHZ-EK-T	20.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-24-EK-T	ASFL1-24.000MHZ-EK-T	24.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-24.576EKT	ASFL1-24.576MHZ-EK-T	24.5760	3.75	3.13	2.50	2.19	1.88
815-ASFL1-25-EK-T	ASFL1-25.000MHZ-EK-T	25.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-27-EK-T	ASFL1-27.000MHZ-EK-T	27.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-30-EK-T	ASFL1-30.000MHZ-EK-T	30.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-32-EK-T	ASFL1-32.000MHZ-EK-T	32.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-33-EK-T	ASFL1-33.000MHZ-EK-T	33.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-33.333EKT	ASFL1-33.333MHZ-EK-T	33.3330	3.75	3.13	2.50	2.19	1.88
815-ASFL1-40-EK-T	ASFL1-40.000MHZ-EK-T	40.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-48-EK-T	ASFL1-48.000MHZ-EK-T	48.0000	3.75	3.13	2.50	2.19	1.88
815-ASFL1-50-EK-T	ASFL1-50.000MHZ-EK-T	50.0000	3.75	3.13	2.50	2.19	1.88

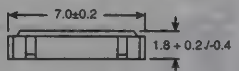
ASV SERIES CRYSTAL CLOCK OSCILLATOR, 5 X 7

Features:
- Frequency Range: 1.000 Mhz to 150 Mhz
- Operating Temperature: -40°C to +85°C
- Stability: ±20ppm (-20°C to +70°C)
- Supply Voltage: (VDD) 3.3 Vdc ± 10%
- HCMOS and TTL compatible, 3.3Vdc operation



Pin Assignment	
1	Tristate enable/disable
2	GND/Case
3	Output
4	VDD

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

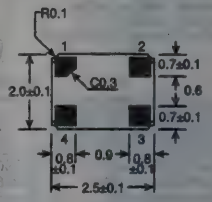
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ASV-1.8432-EJ-T	ASV-1.8432MHZ-EJ-T	1.84320	2.40	2.00	1.60	1.40	1.20
815-ASV-3.6864-EJ-T	ASV-3.6864MHZ-EJ-T	3.68640	2.40	2.00	1.60	1.40	1.20
815-ASV-4-EJ-T	ASV-4.000MHZ-EJ-T	4.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-7.3728-EJ-T	ASV-7.3728MHZ-EJ-T	7.37280	2.40	2.00	1.60	1.40	1.20
815-ASV-8-EJ-T	ASV-8.000MHZ-EJ-T	8.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-10-EJ-T	ASV-10.000MHZ-EJ-T	10.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-11.0592-EJT	ASV-11.0592MHZ-EJ-T	11.05920	2.40	2.00	1.60	1.40	1.20
815-ASV-12-EJ-T	ASV-12.000MHZ-EJ-T	12.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-14.31818EJT	ASV-14.31818MHZ-EJ-T	14.31818	2.40	2.00	1.60	1.40	1.20
815-ASV-14.7456-EJ-T	ASV-14.7456MHZ-EJ-T	14.74560	2.40	2.00	1.60	1.40	1.20
815-ASV-16-EJ-T	ASV-16.000MHZ-EJ-T	16.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-16.384-EJ-T	ASV-16.384MHZ-EJ-T	16.38400	2.40	2.00	1.60	1.40	1.20
815-ASV-18.432-EJ-T	ASV-18.432MHZ-EJ-T	18.43200	2.40	2.00	1.60	1.40	1.20
815-ASV-20-EJ-T	ASV-20.000MHZ-EJ-T	20.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-24-EJ-T	ASV-24.000MHZ-EJ-T	24.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-24.576-EJ-T	ASV-24.576MHZ-EJ-T	24.57600	2.40	2.00	1.60	1.40	1.20
815-ASV-25-EJ-T	ASV-25.000MHZ-EJ-T	25.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-27-EJ-T	ASV-27.000MHZ-EJ-T	27.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-29.4912-EJ-T	ASV-29.4912MHZ-EJ-T	29.49120	2.40	2.00	1.60	1.40	1.20
815-ASV-30-EJ-T	ASV-30.000MHZ-EJ-T	30.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-32-EJ-T	ASV-32.000MHZ-EJ-T	32.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-33-EJ-T	ASV-33.000MHZ-EJ-T	33.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-33.333-EJ-T	ASV-33.333MHZ-EJ-T	33.33300	2.40	2.00	1.60	1.40	1.20
815-ASV-40-EJ-T	ASV-40.000MHZ-EJ-T	40.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-48-EJ-T	ASV-48.000MHZ-EJ-T	48.00000	2.40	2.00	1.60	1.40	1.20
815-ASV-50-EJ-T	ASV-50.000MHZ-EJ-T	50.00000	2.40	2.00	1.60	1.40	1.20

ASD1 AND ASD3 SERIES CRYSTAL CLOCK OSCILLATORS, 2.5 X 2

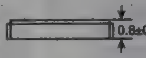
NEW FROM SUPPLIER

Features:
- Compact and low in height
- Low current consumption
- Tri state function
- Suitable for high density SMT
- IR reflow capable
- Tight stability option
- Seam sealed package

RoHS Compliant



Pin Assignment	
1	Tristate (STBY)
2	GND/Case
3	Output
4	VDD



DIMENSIONS: mm

ASD1 Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency		Price Each				
		(MHz)	VDC	1	10	50	100	1000
815-ASD1-1.54M-ECT	ASD1-1.544MHz-ECT	1.54400	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-3.68M-ECT	ASD1-3.6864MHz-ECT	3.68640	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-4.0M-ECT	ASD1-4.000MHz-ECT	4.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-7.37M-ECT	ASD1-7.3728MHz-ECT	7.37280	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-8.0M-ECT	ASD1-8.000MHz-ECT	8.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-10.0M-ECT	ASD1-10.000MHz-ECT	10.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-11.05M-ECT	ASD1-11.0592MHz-ECT	11.05920	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-12.0M-ECT	ASD1-12.000MHz-ECT	12.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-14.31M-ECT	ASD1-14.31818MHz-ECT	14.31818	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-14.74M-ECT	ASD1-14.7456MHz-ECT	14.74560	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-18.43M-ECT	ASD1-18.432MHz-ECT	18.43200	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-20.0M-ECT	ASD1-20.000MHz-ECT	20.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-24.0M-ECT	ASD1-24.000MHz-ECT	24.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-24.57M-ECT	ASD1-24.576MHz-ECT	24.57600	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-25.0M-ECT	ASD1-25.000MHz-ECT	25.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-27.0M-ECT	ASD1-27.000MHz-ECT	27.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-30.0M-ECT	ASD1-30.000MHz-ECT	30.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-32.0M-ECT	ASD1-32.000MHz-ECT	32.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-33.0M-ECT	ASD1-33.000MHz-ECT	33.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-33.33M-ECT	ASD1-33.333MHz-ECT	33.33300	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-40.0M-ECT	ASD1-40.000MHz-ECT	40.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-48.0M-ECT	ASD1-48.000MHz-ECT	48.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-50.0M-ECT	ASD1-50.000MHz-ECT	50.00000	3.0	5.78	4.91	3.70	3.26	2.30
815-ASD1-60.0M-ECT	ASD1-60.000MHz-ECT	60.00000	3.0	5.78	4.91	3.70	3.26	2.30

ASD3 Series

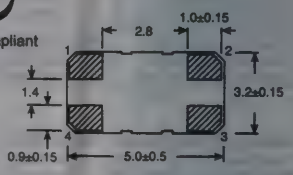
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency		Price Each				
		(MHz)	VDC	1	10	50	100	1000
815-ASD3-14.31M-ECT	ASD3-14.31818MHz-ECT	14.31818	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-20.0M-ECT	ASD3-20.000MHz-ECT	20.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-24.0M-ECT	ASD3-24.000MHz-ECT	24.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-24.57M-ECT	ASD3-24.576MHz-ECT	24.57600	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-25.0M-ECT	ASD3-25.000MHz-ECT	25.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-27.0M-ECT	ASD3-27.000MHz-ECT	27.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-29.49M-ECT	ASD3-29.4912MHz-ECT	29.49120	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-40.0M-ECT	ASD3-40.000MHz-ECT	40.00000	1.8	5.78	4.91	3.70	3.26	2.30
815-ASD3-50.0M-ECT	ASD3-50.000MHz-ECT	50.00000	1.8	5.78	4.91	3.70	3.26	2.30

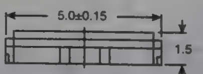
ASVTX SERIES VOLTAGE CONTROLLED TEMPERATURE COMPENSATED CRYSTAL OSCILLATOR VCTCXO, 3.2 X 5

Features:
- Frequency range: 12.800 MHz - 19.2 MHz
- Operating temperature: -40°C to +85°C
- Supply voltage (Vcc): 3.0 Vdc ± 5%
- Low current consumption
- Tolerance: ±0.5ppm @ 25°C
- Stability: ±2.5ppm (-30°C to +75°C)

RoHS Compliant



Pin Assignment	
1	Vc
2	GND
3	Output
4	VCC



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ASVTX-09-12.800	ASVTX-09-12.800MHZ	12.80	8.25	6.88	5.50	4.81	4.13
815-ASVTX-09-13.00	ASVTX-09-13.00MHZ	13.00	8.25	6.88	5.50	4.81	4.13
815-ASVTX-09-14.400	ASVTX-09-14.400MHZ	14.40	8.25	6.88	5.50	4.81	4.13
815-ASVTX-09-16	ASVTX-09-16.000MHZ	16.00	8.25	6.88	5.50	4.81	4.13
815-ASVTX-09-16.800	ASVTX-09-16.800MHZ	16.80	8.25	6.88	5.50	4.81	4.13
815-ASVTX-09-19.200	ASVTX-09-19.200MHZ	19.20	8.25	6.88	5.50	4.81	4.13
815-ASVTX-09-19.440	ASVTX-09-19.440MHZ	19.44	8.25	6.88	5.50	4.81	4.13
815-ASVTX-09-26	ASVTX-09-26.000MHZ	26.00	8.25	6.88	5.50	4.81	4.13

ABRACON Crystal Clock Oscillators

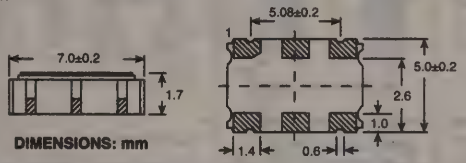
RoHS Compliant This page of product is compliant.

ASVV SERIES VCXO VOLTAGE CONTROLLED CRYSTAL OSCILLATOR, SMD

Features:
- Frequency Range: 1.000 MHz to 125.00 MHz
- Operating Temperature: -40°C to +85°C
- Supply Voltage (VDD): 3.3 Vdc ± 5%
- Pullability: ±150ppm
- Stability: ±50ppm (0°C to +70°C)

RoHS Compliant

Pin Assignment	
1	Voltage Control Vc
2	Tristate Control
3	GND/Case
4	Output
5	NC
6	VDD



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

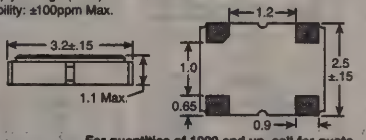
MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
815-ASVV-1.544-N152	ASVV-1.544MHZ-N152	1.544	4.50	3.75	3.00	2.63	2.25
815-ASVV-4.096-N152	ASVV-4.096MHZ-N152	4.0960	4.50	3.75	3.00	2.63	2.25
815-ASVV-16.384-N152	ASVV-16.384MHZ-N152	16.3840	4.50	3.75	3.00	2.63	2.25
815-ASVV-19.440-N152	ASVV-19.440MHZ-N152	19.4400	4.50	3.75	3.00	2.63	2.25
815-ASVV-20-N152	ASVV-20.000MHZ-N152	20.0000	4.50	3.75	3.00	2.63	2.25
815-ASVV-27-N152	ASVV-27.000MHZ-N152	27.0000	4.50	3.75	3.00	2.63	2.25
815-ASVV-32.768-N152	ASVV-32.768MHZ-N152	32.7680	4.50	3.75	3.00	2.63	2.25
815-ASVV-35.328-N152	ASVV-35.328MHZ-N152	35.3280	4.50	3.75	3.00	2.63	2.25
815-ASVV-40-N152	ASVV-40.000MHZ-N102	40.0000	4.50	3.75	3.00	2.63	2.25
815-ASVV-44.736-N152	ASVV-44.736MHZ-N102	44.7360	4.50	3.75	3.00	2.63	2.25

ASE2 SERIES CRYSTAL CLOCK OSCILLATOR, CMOS COMPATIBLE SMD

Features:
- Frequency Range: 0.75~75MHz
- Operating Temperature: -20°C to +70°C
- Supply Voltage (VDD): 2.5Vdc ± 5%
- Stability: ±100ppm Max.

Pin Assignment	
1	Tri-state
2	GND/Case
3	Output
4	VDD

RoHS Compliant



DIMENSIONS: mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each			
			1	25	100	500
815-ASE2-1.8432	ASE2-1.8432MHz-LC-T	1.8432	4.17	3.48	2.78	2.44
815-ASE2-3.6864	ASE2-3.6864MHz-LC-T	3.6840	4.17	3.48	2.78	2.44
815-ASE2-4.000	ASE2-4.000MHz-LC-T	4.0000	4.17	3.48	2.78	2.44
815-ASE2-7.3728	ASE2-7.3728MHz-LC-T	7.3728	4.17	3.48	2.78	2.44
815-ASE2-8.000	ASE2-8.000MHz-LC-T	8.0000	4.17	3.48	2.78	2.44
815-ASE2-10.000	ASE2-10.000MHz-LC-T	10.0000	4.17	3.48	2.78	2.44
815-ASE2-11.0592	ASE2-11.0592MHz-LC-T	11.0592	4.17	3.48	2.78	2.44
815-ASE2-12.000	ASE2-12.000MHz-LC-T	12.0000	4.17	3.48	2.78	2.44

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each			
			1	25	100	500
815-ASE2-13.000	ASE2-13.000MHz-R	13.0000	4.17	3.48	2.78	2.44
815-ASE2-14.31818	ASE2-14.31818MHz-LC-T	14.31818	4.17	3.48	2.78	2.44
815-ASE2-14.7456	ASE2-14.7456MHz-LC-T	14.7456	4.17	3.48	2.78	2.44
815-ASE2-16.000	ASE2-16.000MHz-LC-T	16.0000	4.17	3.48	2.78	2.44
815-ASE2-18.432	ASE2-18.432MHz-LC-T	18.4320	4.17	3.48	2.78	2.44
815-ASE2-20.000	ASE2-20.000MHz-LC-T	20.0000	4.17	3.48	2.78	2.44
815-ASE2-24.000	ASE2-24.000MHz-LC-T	24.0000	4.17	3.48	2.78	2.44
815-ASE2-24.576	ASE2-24.576MHz-LC-T	24.5760	4.17	3.48	2.78	2.44
815-ASE2-25.000	ASE2-25.000MHz-LC-T	25.0000	4.17	3.48	2.78	2.44
815-ASE2-26.000	ASE2-26.000MHz-R	26.0000	4.17	3.48	2.78	2.44
815-ASE2-27.000	ASE2-27.000MHz-LC-T	27.0000	4.17	3.48	2.78	2.44
815-ASE2-30.000	ASE2-30.000MHz-LC-T	30.0000	4.17	3.48	2.78	2.44
815-ASE2-32.000	ASE2-32.000MHz-LC-T	32.0000	4.17	3.48	2.78	2.44
815-ASE2-32.768	ASE2-32.768MHz-LC-T	32.7680	4.17	3.48	2.78	2.44
815-ASE2-33.000	ASE2-33.000MHz-LC-T	33.0000	4.17	3.48	2.78	2.44
815-ASE2-33.333	ASE2-33.333MHz-LC-T	33.3330	4.17	3.48	2.78	2.44
815-ASE2-40.000	ASE2-40.000MHz-LC-T	40.0000	4.17	3.48	2.78	2.44
815-ASE2-48.000	ASE2-48.000MHz-LC-T	48.0000	4.17	3.48	2.78	2.44
815-ASE2-50.000	ASE2-50.000MHz-LC-T	50.0000	4.17	3.48	2.78	2.44
815-ASE2-60.000	ASE2-60.000MHz-LC-T	60.0000	4.17	3.48	2.78	2.44
815-ASE2-64.000	ASE2-64.000MHz-LC-T	64.0000	4.17	3.48	2.78	2.44
815-ASE2-66.6667	ASE2-66.6667MHz-LC-T	66.6667	4.17	3.48	2.78	2.44

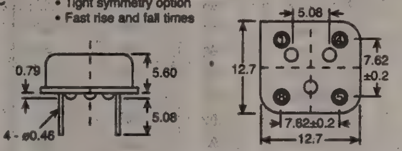
ACH/ACHL SERIES CRYSTAL CLOCK OSCILLATOR, HALF SIZE LEADED

RoHS Compliant

Features:
- Frequency Range: 32.768 kHz to 200 MHz
- Operating Temperature: -20°C to +70°C
- Stability: ±30ppm (-20°C to +70°C)
- HCMOS and TTL compatible
- Tight symmetry option
- Fast rise and fall times

DIMENSIONS: mm

Pin Assignment	
1	NC or Tristate Enable/Disable
4	GND/Case
5	Output
8	VDD



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
5 Volt							
815-ACH-3.6864-EK	ACH-3.6864MHZ-EK	3.68640	1.95	1.63	1.30	1.14	.98
815-ACH-4-EK	ACH-4.000MHZ-EK	4.00000	1.95	1.63	1.30	1.14	.98
815-ACH-8-EK	ACH-8.000MHZ-EK	8.00000	1.95	1.63	1.30	1.14	.98
815-ACH-10-EK	ACH-10.000MHZ-EK	10.00000	1.95	1.63	1.30	1.14	.98
815-ACH-11.0592-EK	ACH-11.0592MHZ-EK	11.05920	1.95	1.63	1.30	1.14	.98
815-ACH-12-EK	ACH-12.000MHZ-EK	12.00000	1.95	1.63	1.30	1.14	.98
815-ACH-14.31818EK	ACH-14.31818MHZ-EK	14.31818	1.95	1.63	1.30	1.14	.98
815-ACH-16-EK	ACH-16.000MHZ-EK	16.00000	1.95	1.63	1.30	1.14	.98
815-ACH-18.432-EK	ACH-18.432MHZ-EK	18.43200	1.95	1.63	1.30	1.14	.98
815-ACH-20-EK	ACH-20.000MHZ-EK	20.00000	1.55	1.50	1.30	1.14	1.04
815-ACH-24.576-EK	ACH-24.576MHZ-EK	24.57600	1.95	1.63	1.30	1.14	.98
815-ACH-27-EK	ACH-27.000MHZ-EK	27.00000	1.95	1.63	1.30	1.14	.98
815-ACH-32-EK	ACH-32.000MHZ-EK	32.00000	1.95	1.63	1.30	1.14	.98
815-ACH-32.768-EK	ACH-32.768MHZ-EK	32.76800	1.95	1.63	1.30	1.14	.98
815-ACH-40-EK	ACH-40.000MHZ-EK	40.00000	1.95	1.63	1.30	1.14	.98
815-ACH-48-EK	ACH-48.000MHZ-EK	48.00000	1.95	1.63	1.30	1.14	.98
815-ACH-50-EK	ACH-50.000MHZ-EK	50.00000	1.95	1.63	1.30	1.14	.98
3.3 Volt							
815-ACHL-3.6864-EK	ACHL-3.6864MHZ-EK	3.68640	1.95	1.63	1.30	1.14	.98
815-ACHL-4-EK	ACHL-4.000MHZ-EK	4.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-8-EK	ACHL-8.000MHZ-EK	8.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-10-EK	ACHL-10.000MHZ-EK	10.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-11.0592-EK	ACHL-11.0592MHZ-EK	11.05920	1.95	1.63	1.30	1.14	.98
815-ACHL-12-EK	ACHL-12.000MHZ-EK	12.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-14.31818EK	ACHL-14.31818MHZ-EK	14.31818	1.95	1.63	1.30	1.14	.98
815-ACHL-16-EK	ACHL-16.000MHZ-EK	16.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-18.432-EK	ACHL-18.432MHZ-EK	18.43200	1.95	1.63	1.30	1.14	.98
815-ACHL-20-EK	ACHL-20.000MHZ-EK	20.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-24.576-EK	ACHL-24.576MHZ-EK	24.57600	1.95	1.63	1.30	1.14	.98
815-ACHL-25-EK	ACHL-25.000MHZ-EK	25.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-27-EK	ACHL-27.000MHZ-EK	27.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-32.768-EK	ACHL-32.768MHZ-EK	32.76800	1.95	1.63	1.30	1.14	.98
815-ACHL-40-EK	ACHL-40.000MHZ-EK	40.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-48-EK	ACHL-48.000MHZ-EK	48.00000	1.95	1.63	1.30	1.14	.98
815-ACHL-50-EK	ACHL-50.000MHZ-EK	50.00000	1.95	1.63	1.30	1.14	.98

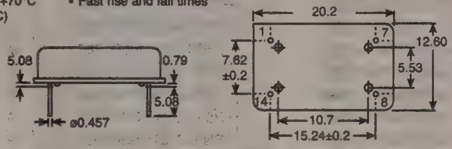
ACO/ACOL SERIES CRYSTAL CLOCK OSCILLATOR, LEADED

RoHS Compliant

Features:
- Frequency Range: 500 Hz to 200 MHz
- Operating Temperature: -20°C to +70°C
- Stability: ±30ppm (-20°C to +70°C)
- HCMOS and TTL compatible
- Fast rise and fall times

DIMENSIONS: mm

Pin Assignment	
1	NC or Tristate Enable/Disable
7	GND/Case
8	Output
14	VDD



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Abracon Part No.	Frequency (MHz)	Price Each				
			1	10	50	100	500
5 Volt							
815-ACO-3.6864-EK	ACO-3.6864MHZ-EK	3.68640	1.95	1.63	1.30	1.14	.98
815-ACO-4-EK	ACO-4.000MHZ-EK	4.00000	1.95	1.63	1.30	1.14	.98
815-ACO-8-EK	ACO-8.000MHZ-EK	8.00000	1.95	1.63	1.30	1.14	.98
815-ACO-10-EK	ACO-10.000MHZ-EK	10.00000	1.95	1.63	1.30	1.14	.98
815-ACO-11.0592-EK	ACO-11.0592MHZ-EK	11.05920	1.95	1.63	1.30	1.14	.98
815-ACO-12-EK	ACO-12.000MHZ-EK	12.00000	1.95	1.63	1.30	1.14	.98
815-ACO-14.31818EK	ACO-14.31818MHZ-EK	14.31818	1.95	1.63	1.30	1.14	.98
815-ACO-16-EK	ACO-16.000MHZ-EK	16.00000	1.95	1.63	1.30	1.14	.98
815-ACO-18.432-EK	ACO-18.432MHZ-EK	18.43200	1.95	1.63	1.30	1.14	.98
815-ACO-20-EK	ACO-20.000MHZ-EK	20.00000	1.95	1.63	1.30	1.14	.98
815-ACO-24.576-EK	ACO-24.576MHZ-EK	24.57600	1.95	1.63	1.30	1.14	.98
815-ACO-25-EK	ACO-25.000MHZ-EK	25.00000	1.95	1.63	1.30	1.14	.98
815-ACO-32-EK	ACO-32.000MHZ-EK	32.00000	1.95	1.63	1.30	1.14	.98
815-ACO-32.768-EK	ACO-32.768MHZ-EK	32.76800	1.95	1.63	1.30	1.14	.98
815-ACO-40-EK	ACO-40.000MHZ-EK	40.00000	1.95	1.63	1.30	1.14	.98
815-ACO-48-EK	ACO-48.000MHZ-EK	48.00000	1.95	1.63	1.30	1.14	.98
815-ACO-50-EK	ACO-50.000MHZ-EK	50.00000	1.95	1.63	1.30	1.14	.98
3.3 Volt							
815-ACOL-3.6864-EK	ACOL-3.6864MHZ-EK	3.68640	1.95	1.63	1.30	1.14	.98
815-ACOL-4-EK	ACOL-4.000MHZ-EK	4.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-8-EK	ACOL-8.000MHZ-EK	8.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-10-EK	ACOL-10.000MHZ-EK	10.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-11.0592-EK	ACOL-11.0592MHZ-EK	11.05920	1.95	1.63	1.30	1.14	.98
815-ACOL-12-EK	ACOL-12.000MHZ-EK	12.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-14.31818EK	ACOL-14.31818MHZ-EK	14.31818	1.95	1.63	1.30	1.14	.98
815-ACOL-16-EK	ACOL-16.000MHZ-EK	16.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-20-EK	ACOL-20.000MHZ-EK	20.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-24.576-EK	ACOL-24.576MHZ-EK	24.57600	1.95	1.63	1.30	1.14	.98
815-ACOL-25-EK	ACOL-25.000MHZ-EK	25.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-27-EK	ACOL-27.000MHZ-EK	27.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-32-EK	ACOL-32.000MHZ-EK	32.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-32.768-EK	ACOL-32.768MHZ-EK	32.76800	1.95	1.63	1.30	1.14	.98
815-ACOL-40-EK	ACOL-40.000MHZ-EK	40.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-48-EK	ACOL-48.000MHZ-EK	48.00000	1.95	1.63	1.30	1.14	.98
815-ACOL-50-EK	ACOL-50.000MHZ-EK	50.00000	1.95	1.63	1.30	1.14	.98

AVX SMD Ceramic Resonators

AVX RESONATORS

AVX produces a broad range of high quality ceramic resonators. The high quality and extensive coverage of this product line allows optimum design of almost any oscillating circuit.

Ceramic resonators stand between quartz crystal oscillators and LC/RC oscillators in reguard to accuracy but are considerably smaller, require no adjustments, have improved start-up times, and are low in cost.

Features:

- High reliability chip resonator in a ceramic case which can be reflow soldered and washed.
- Ultra-miniature size is suitable for compact equipment high mounting density.
- Excellent frequency stability
- Low profile
- Reflow solderable
- Excellent solderability

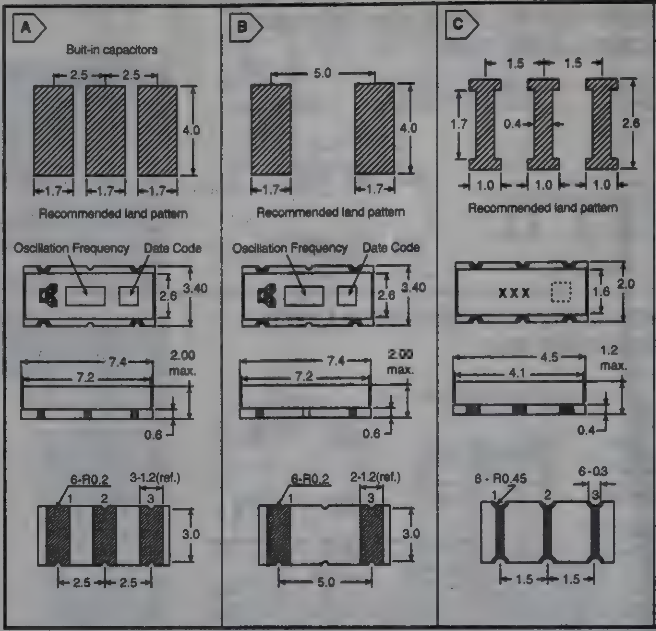
Applications:

- Car accessories
- Camcorders
- Digital cameras
- PDAs
- PC peripherals

RoHS Compliant

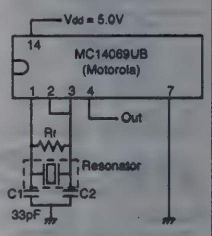
Specifications:

- Temperature Characteristics: -20°C to +80°C
- Resonant Impedance: 2.00-2.90MHz = 200 ohm max
  3.00-3.57MHz = 100 ohm max
  3.58-8.00MHz = 30 ohm max
  8.01-20.00MHz = ohm max
- Frequency Tolerance: ±0.5%



DIMENSIONS (mm)

Test Circuit



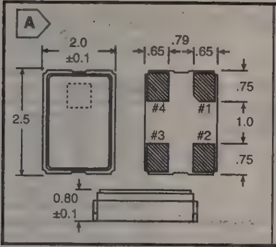
VDD: 5V
R: 1MΩ
IC: MC14069UB (3.58 to 8MHz)
MC74HC04 (8 to 20MHz)
C1, C2: 30pF 3.58 to 8 MHz (typ)
30pF 8.01 - 20 MHz (typ)

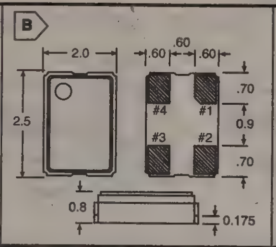
MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Load Capacitance	Price Each					Reel Qty.	Reel Price Per Piece
					1	10	100	500	1000		
581-PBRC-2.00B	PBRC2.00HR50X000	A	2.00	33pF	.68	.63	.46	.41	.39	2000	.37
581-PBRC-2.45B	PBRC2.45HR50X000	A	2.45	33pF	1.04	.96	.70	.63	.60	2000	.56
581-PBRC-3.58B	PBRC3.58HR50X000	A	3.58	33pF	.39	.36	.26	.23	.22	2000	.21
581-PBRC-3.68B	PBRC3.68HR50X000	A	3.68	33pF	.39	.36	.26	.23	.22	2000	.21
581-PBRC-4.00B	PBRC4.00HR50X000	A	4.00	33pF	.39	.36	.26	.23	.22	2000	.21
581-PBRC-4.19B	PBRC4.19HR50X000	A	4.19	33pF	.70	.65	.47	.42	.40	2000	.38
581-PBRC-4.91B	PBRC4.91HR50X000	A	4.91	33pF	.44	.41	.30	.27	.26	2000	.24
581-PBRC-5.00H	PBRC5.00HR50X000	A	5.00	33pF	.73	.68	.50	.45	.42	2000	.40
581-PBRC-6.00B	PBRC6.00HR50X000	A	6.00	33pF	.73	.68	.50	.45	.42	2000	.40
581-PBRC-6.96BR	PBRC6.96HR50X000	A	6.96	33pF	1.00	.93	.68	.61	.58	2000	.54
581-PBRC-7.00BR	PBRC7.00HR50X000	A	7.00	33pF	1.00	.93	.68	.61	.58	2000	.54
581-PBRC-7.37B	PBRC7.37HR50X000	A	7.37	33pF	1.00	.93	.68	.61	.58	2000	.54
581-PBRC-8.00B	PBRC8.00HR50X000	A	8.00	33pF	1.04	.97	.70	.63	.60	2000	.57
581-PBRC-10.00BR07	PBRC10.00HR70X000	A	10.00	10pF	1.38	1.27	1.15	1.00	.92	2000	.81
581-PBRC-11.0592BR07	PBRC11.0592HR70X000	A	11.06	10pF	1.38	1.27	1.15	1.00	.92	2000	.81
581-PBRC-12.00BR07	PBRC12.00HR70X000	A	12.00	10pF	1.38	1.27	1.15	1.00	.92	2000	.81
581-PBRC-14.74BR07	PBRC14.74HR70X000	A	14.74	10pF	1.38	1.27	1.15	1.00	.92	2000	.81
581-PBRC-18.43BR07	PBRC18.43HR70X000	A	18.43	10pF	1.38	1.27	1.15	1.00	.92	2000	.81
581-PBRC-20.00B	PBRC20.00HR70X000	A	20.00	10pF	1.38	1.27	1.15	1.00	.92	2000	.81
581-PBRC-2.00A	PBRC-2.00GR50X000	B	2.00	none	1.04	.96	.70	.63	.60	2000	.56
581-PBRC-2.45G	PBRC-2.45GR50X00	B	2.45	none	1.04	.96	.70	.63	.60	2000	.56
581-PBRC-3.58A	PBRC-3.58GR50X000	B	3.58	none	.59	.55	.40	.36	.34	2000	.32
581-PBRC-3.68G	PBRC-3.68GR50X000	B	3.68	none	.60	.55	.40	.36	.34	2000	.32
581-PBRC-4.00A	PBRC-4.00GR50X000	B	4.00	none	.70	.65	.47	.42	.40	2000	.38
581-PBRC-4.19G	PBRC-4.19GR50X000	B	4.19	none	.71	.65	.47	.42	.40	2000	.38
581-PBRC-4.91G	PBRC-4.91GR50X000	B	4.91	none	.82	.75	.55	.49	.46	2000	.44
581-PBRC-5.00A	PBRC-5.00GR50X000	B	5.00	none	.73	.68	.50	.45	.42	2000	.40
581-PBRC-6.00G	PBRC-6.00GR50X000	B	6.00	none	.74	.68	.49	.44	.42	2000	.40
581-PBRC-7.00AR	PBRC-7.00GR50X000	B	7.00	none	1.01	.93	.68	.61	.57	2000	.54
581-PBRC-7.37A	PBRC-7.37GR50X000	B	7.37	none	1.00	.93	.68	.61	.58	2000	.54
581-PBRC-8.00G	PBRC-8.00GR50X000	B	8.00	none	1.06	.97	.70	.63	.60	2000	.56
581-PBRC-20.00G	PBRC-20.00GR70X000	B	20.00	none	1.38	1.27	.92	.83	.78	2000	.74
581-PBRC4.00MR50X	PBRC4.00MR50X000	C	4.00	15pF	.39	.36	.26	.24	.23	3000	.21
581-PBRC4.19MR50X	PBRC4.19MR50X000	C	4.19	15pF	.39	.36	.26	.24	.23	3000	.21
581-PBRC4.91MR50X	PBRC4.91MR50X000	C	4.91	15pF	.39	.36	.26	.24	.23	3000	.21
581-PBRC5.00MR50X	PBRC5.00MR50X000	C	5.00	15pF	.48	.44	.32	.29	.28	3000	.26
581-PBRC6.00MR50X	PBRC6.00MR50X000	C	6.00	15pF	.48	.44	.32	.29	.28	3000	.26
581-PBRC7.37MR50X	PBRC7.37MR50X000	C	7.37	15pF	.48	.44	.32	.29	.28	3000	.26
581-PBRC8.00MR50X	PBRC8.00MR50X000	C	8.00	15pF	.48	.44	.32	.29	.28	3000	.26
581-PBRC10.00MR70X	PBRC10.00MR70X000	C	10.00	10pF	.66	.61	.44	.40	.38	3000	.36
581-PBRC11.06MR70X	PBRC11.06MR70X000	C	11.06	10pF	.66	.61	.44	.40	.38	3000	.36
581-PBRC16.00MR70X	PBRC16.00MR70X000	C	16.00	10pF	.66	.61	.44	.40	.38	3000	.36
581-PBRC20.00MR70X	PBRC20.00MR70X000	C	20.00	10pF	.66	.61	.44	.40	.38	3000	.36

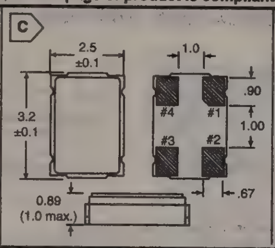
AVX SMD Clock Oscillators

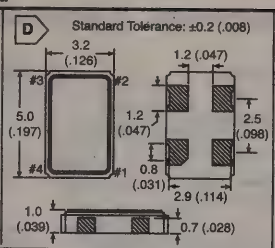
RoHS Compliant **This page of product is compliant.**

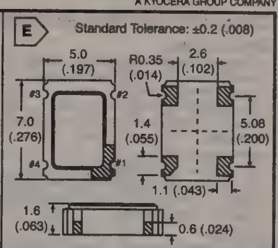
A KYOCERA GROUP COMPANY











AVX OSCILLATORS

DIMENSIONS: mm (in.)

KC2520A Series:

- Ultra-miniature and low profile (2.5x2x0.8mm)
- Automatic pick & place, reflow soldering comp.
- Direct drive w/ CMOS and TTL IC
- Supply voltage V_{DD}: KC2520A-C2 = 2.5V
  KC2520A-C3 = 3.3V
- Tri-state function

KC3225A Series:

- Miniature ceramic package
- Highly reliable w/ seam welding
- CMOS output
- Supply voltage V_{DD}: KC3225A-C2 = 2.5V
  KC3225A-C3 = 3.3V
- ±25x10^{-6} available

K30-3C Series:

- Miniature ceramic package
- Highly reliable w/ seam welding
- CMOS output
- Supply voltage V_{DD} =3.3V
- ±25ppm, ±20ppm available

K50-HC and K50-3C Series:

- Miniature ceramic package
- Highly reliable w/ seam welding
- CMOS output
- Supply voltage V_{DD}: K50-HC = 5.0V
  K50-C3 = 3.3V
- ±25ppm available

K50H-3C Series:

- Miniature ceramic package
- Highly reliable w/ seam welding
- CMOS output
- Supply voltage V_{DD} =3.3V
- Internal bypass capacitor
- Low jitter

RoHS Compliant

MOUSER STOCK NO.	AVX Part No.	Fig.	Frequency (MHz)	Voltage (V)	Price Each				Reel Qty.	Reel Price Per Piece
					1	10	100	500		
2.5 x 2.0mm 3.3 volt										
581-KC2520A14.31C30	KC2520A14.3182C30E00	A	14.3182	3.3	4.80	4.32	3.76	3.04	1000	2.56
581-KC2520A16.00C30	KC2520A16.0000C30E00	A	16.0000	3.3	4.80	4.32	3.76	3.04	1000	2.56
581-KC2520A20.00C30	KC2520A20.0000C30E00	A	20.0000	3.3	4.80	4.32	3.76	3.04	1000	2.56
581-KC2520A25.00C30	KC2520A25.0000C30E00	A	25.0000	3.3	6.60	6.05	5.50	4.40	1000	3.96
581-KC2520A27.00C30	KC2520A27.0000C30E00	A	27.0000	3.3	4.80	4.32	3.76	3.04	1000	2.56
581-KC2520A33.33C30	KC2520A33.3333C30E00	A	33.3333	3.3	4.80	4.32	3.76	3.04	1000	2.56
581-KC2520A48.00C30	KC2520A48.0000C30E00	A	48.0000	3.3	4.80	4.32	3.76	3.04	1000	2.56
2.5 x 2.0mm 2.5 volt										
581-KC2520A14.31C20	KC2520A14.3182C20E00	B	14.3182	2.5	5.10	4.59	4.00	3.23	1000	2.72
581-KC2520A16.00C20	KC2520A16.0000C20E00	B	16.0000	2.5	5.10	4.59	4.00	3.23	1000	2.72
581-KC2520A20.00C20	KC2520A20.0000C20E00	B	20.0000	2.5	5.10	4.59	4.00	3.23	1000	2.72
581-KC2520A25.00C20	KC2520A25.0000C20E00	B	25.0000	2.5	5.10	4.59	4.00	3.23	1000	2.72
581-KC2520A27.00C20	KC2520A27.0000C20E00	B	27.0000	2.5	5.10	4.59	4.00	3.23	1000	2.72
581-KC2520A33.33C20	KC2520A33.3333C20E00	B	33.3333	2.5	5.10	4.59	4.00	3.23	1000	2.72
581-KC2520A48.00C20	KC2520A48.0000C20E00	B	48.0000	2.5	5.10	4.59	4.00	3.23	1000	2.72
3.2 x 2.5mm 3.3 volt										
581-KC3225A14.31C30	KC3225A14.3182C30E00	C	14.3182	3.3	4.20	3.78	3.29	2.66	1000	2.24
581-KC3225A16.00C30	KC3225A16.0000C30E00	C	16.0000	3.3	4.20	3.78	3.29	2.66	1000	2.24
581-KC3225A20.00C30	KC3225A20.0000C30E00	C	20.0000	3.3	4.20	3.78	3.29	2.66	1000	2.24
581-KC3225A25.00C30	KC3225A25.0000C30E00	C	25.0000	3.3	4.20	3.78	3.29	2.66	1000	2.24
581-KC3225A27.00C30	KC3225A27.0000C30E00	C	27.0000	3.3	4.20	3.78	3.29	2.66	1000	2.24
581-KC3225A33.33C30	KC3225A33.3333C30E00	C	33.3333	3.3	4.20	3.78	3.29	2.66	1000	2.24
581-KC3225A48.00C30	KC3225A48.0000C30E00	C	48.0000	3.3	4.20	3.78	3.29	2.66	1000	2.24
3.2 x 2.5mm 2.5 volt										
581-KC3225A14.31C20	KC3225A14.3182C20E00	C	14.3182	2.5	4.50	4.05	3.53	2.85	1000	2.40
581-KC3225A16.00C20	KC3225A16.0000C20E00	C	16.0000	2.5	4.50	4.05	3.53	2.85	1000	2.40
581-KC3225A20.00C20	KC3225A20.0000C20E00	C	20.0000	2.5	4.50	4.05	3.53	2.85	1000	2.40
581-KC3225A25.00C20	KC3225A25.0000C20E00	C	25.0000	2.5	4.50	4.05	3.53	2.85	1000	2.40
581-KC3225A27.00C20	KC3225A27.0000C20E00	C	27.0000	2.5	4.50	4.05	3.53	2.85	1000	2.40
581-KC3225A33.33C20	KC3225A33.3333C20E00	C	33.3333	2.5	4.50	4.05	3.53	2.85	1000	2.40
581-KC3225A48.00C20	KC3225A48.0000C20E00	C	48.0000	2.5	4.50	4.05	3.53	2.85	1000	2.40
5.0 x 3.2mm 3.3 volt										
581-K30-3C0SE14.31M	K30-3C0SE14.31818MR	D	14.3182	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE16M	K30-3C0SE16.0000MR	D	16.0000	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE20M	K30-3C0SE20.0000MR	D	20.0000	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE24.57M	K30-3C0SE24.5760MR	D	24.5760	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE25M	K30-3C0SE25.0000MR	D	25.0000	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE27M	K30-3C0SE27.0000MR	D	27.0000	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE29.49M	K30-3C0SE29.4989MR	D	29.4989	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE40M	K30-3C0SE40.0000MR	D	40.0000	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE50M	K30-3C0SE50.0000MR	D	50.0000	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE60M	K30-3C0SE60.0000MR	D	60.0000	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE64M	K30-3C0SE64.0000MR	D	64.0000	3.3	2.46	2.22	1.93	1.56	1000	1.32
581-K30-3C0SE66.66M	K30-3C0SE66.6667MR	D	66.6667	3.3	2.46	2.22	1.93	1.56	1000	1.32
7.0 x 5.0mm 5 volt										
581-K50-HC0SE8M	K50-HC0SE8.0000MR	E	8.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE14.74M	K50-HC0SE14.7456MR	E	14.7456	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE16M	K50-HC0SE16.0000MR	E	16.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE20M	K50-HC0SE20.0000MR	E	20.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE24M	K50-HC0SE24.0000MR	E	24.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE25M	K50-HC0SE25.0000MR	E	25.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE27M	K50-HC0SE27.0000MR	E	27.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE28.63M	K50-HC0SE28.6363MR	E	28.6363	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE29.49M	K50-HC0SE29.4989MR	E	29.4989	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE40M	K50-HC0SE40.0000MR	E	40.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE48M	K50-HC0SE48.0000MR	E	48.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE49.15M	K50-HC0SE49.1520MR	E	49.1520	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE50M	K50-HC0SE50.0000MR	E	50.0000	5.0	2.82	2.54	2.21	1.79	1000	1.51
581-K50-HC0SE66.66M	K50-HC0SE66.6667MR	E	66.6667	5.0	2.82	2.54	2.21	1.79	1000	1.51
7.0 x 5.0mm 3.3 volt										
581-K50H-3C0-SE106M	K50H-3C0-SE106.250MR	E	106.2500	3.3	3.75	3.38	2.94	2.38	1000	2.00
581-K50H-3C0-SE125M	K50H-3C0-SE125.000MR	E	125.0000	3.3	3.75	3.38	2.94	2.38	1000	2.00
7.0 x 5.0mm 3.3 volt										
581-K50-3C0SE14.31M	K50-3C0SE14.31818MR	E	14.3182	3.3	2.82	2.54	2.21	1.79	1000	1.51
581-K50-3C0SE16M	K50-3C0SE16.0000MR	E	16.0000	3.3	2.82	2.54	2.21	1.79	1000	1.51
581-K50-3C0SE24.57M	K50-3C0SE24.5760MR	E	24.5760	3.3	2.82	2.54	2.21	1.79	1000	1.51
581-K50-3C0SE25M	K50-3C0SE25.0000MR	E	25.0000	3.3	2.82	2.54	2.21	1.79	1000	1.51
581-K50-3C0SE29.49M	K50-3C0SE29.4989MR	E	29.4989	3.3	2.82	2.54	2.21	1.79	1000	1.51
581-K50-3C0SE40M	K50-3C0SE40.0000MR	E	40.0000	3.3	2.82	2.54	2.21	1.79	1000	1.51
581-K50-3C0SE50M	K50-3C0SE50.0000MR	E	50.0000	3.3	2.82	2.54	2.21	1.79	1000	1.51
581-K50-3C0SE66.66M	K50-3C0SE66.6667MR	E	66.6667	3.3	2.82	2.54	2.21	1.79	1000	1.51

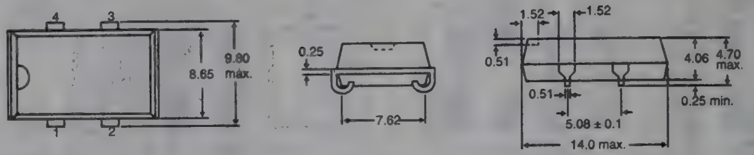
CITIZEN SMD Clock Oscillators

CITIZEN.

CMX-309 SERIES PLASTIC CRYSTAL CLOCK OSCILLATORS, 14 X 8.65

Specifications:
- Operating Temperature: -40°C to +85°C
- Supply Current: (FLC) 23mA Max.; (HWC) 35mA Max.
- Shock Resistance: ±20ppm Max.
- Aging (First Year): ±5ppm/year Max.
- Stability: ±100ppm -20°C to +70°C (±50ppm available)

Features:
- Low power CMOS IC
- Provided with output enable function
- As it incorporates a heat-resisting packaged cylinder-type crystal, it features highly stable characteristics; high enough to permit reflow soldering.



RoHS Compliant
DIMENSIONS: mm

Pin Assignment	
1	OE
2	GND
3	OUT
4	VDD

3.0 Volt

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	1000
695-CMX309FBC-1-U	CMX309FBC1.000M-UT	1.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-368-U	CMX309FBC3.6864M-UT	3.68640	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-4-U	CMX309FBC4.000M-UT	4.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-4.09U	CMX309FBC4.096M-UT	4.09600	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-4.91U	CMX309FBC4.9152M-UT	4.91520	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-5-U	CMX309FBC5.000M-UT	5.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-8-U	CMX309FBC8.000M-UT	8.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-10-U	CMX309FBC10.000M-UT	10.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-110-U	CMX309FBC11.0592M-UT	11.05920	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-12-U	CMX309FBC12.000M-UT	12.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-143-U	CMX309FBC14.31818M-UT	14.31818	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-147-U	CMX309FBC14.7456M-UT	14.74560	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-16-U	CMX309FBC16.000M-UT	16.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-1843-U	CMX309FBC18.432M-UT	18.43200	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-20-U	CMX309FBC20.000M-UT	20.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-22.11U	CMX309FBC22.1184M-UT	22.11840	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-24-U	CMX309FBC24.000M-UT	24.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-24.57U	CMX309FBC24.576M-UT	24.57600	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-25-U	CMX309FBC25.000M-UT	25.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-27-U	CMX309FBC27.000M-UT	27.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FBC-28.32U	CMX309FBC28.322M-UT	28.32200	2.63	2.44	1.69	1.50	1.28
695-CMX309HBC-32-U	CMX309HBC32.000M-UT	32.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HBC-327-U	CMX309HBC32.768M-UT	32.76800	2.63	2.44	1.69	1.50	1.28
695-CMX309HBC-33-U	CMX309HBC33.000M-UT	33.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HBC-333-U	CMX309HBC33.3333M-UT	33.33330	2.63	2.44	1.69	1.50	1.28
695-CMX309HBC-40-U	CMX309HBC40.000M-UT	40.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HBC-48-U	CMX309HBC48.000M-UT	48.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HBC-50-U	CMX309HBC50.000M-UT	50.00000	2.63	2.44	1.69	1.50	1.28

5.0 Volt

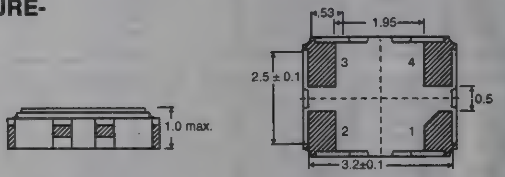
For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	1000
695-CMX309FLC-184	CMX309FLC1.8432MUT	1.84320	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-368	CMX309FLC3.6864MUT	3.68640	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-4	CMX309FLC4.000MUT	4.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-4.09	CMX309FLC4.096MUT	4.09600	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-491	CMX309FLC4.9152MUT	4.91520	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-8	CMX309FLC8.000MUT	8.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-10	CMX309FLC10.000MUT	10.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-110	CMX309FLC11.0592MUT	11.05920	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-12	CMX309FLC12.000MUT	12.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-143	CMX309FLC14.31818MUT	14.31818	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-147	CMX309FLC14.7456MUT	14.74560	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-16	CMX309FLC16.000MUT	16.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC18.432	CMX309FLC18.432MUT	18.43200	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-20	CMX309FLC20.000MUT	20.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-221	CMX309FLC22.1184MUT	22.11840	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-24	CMX309FLC24.000MUT	24.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC24.576	CMX309FLC24.576MUT	24.57600	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-25	CMX309FLC25.000MUT	25.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-27	CMX309FLC27.000MUT	27.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309FLC-283	CMX309FLC28.322MUT	28.32200	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-32	CMX309HWC32.000MUT	32.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-327	CMX309HWC32.768MUT	32.76800	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-333	CMX309HWC33.3333MUT	33.33300	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-40	CMX309HWC40.000MUT	40.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-48	CMX309HWC48.000MUT	48.00000	2.63	2.44	1.69	1.50	1.28
695-CMX309HWC-50	CMX309HWC50.000MUT	50.00000	2.63	2.44	1.69	1.50	1.28

CSX325T SERIES SMD VOLTAGE-CONTROLLED TEMPERATURE-COMPENSATED CRYSTAL OSCILLATORS VCTCXO, 3.2 X 2.5

Specifications:
- Supply Voltage: 2.8V ± 5%, 3.0V ± 5%
- Frequency / Temperature: ±2.5ppm / -30 to ± 75°C
- Frequency / Voltage Coefficient: ±0.3ppm / Vdd ±5%
- Frequency / Load Coefficient: ±0.2ppm / (10kΩ//10pF)±10%
- Aging: ±1.0ppm / year
- Output Level: 0.8Vp-p MIN. / (10kΩ//10pF)

Features:
- Surface Mount Type
- Ultra small size and light weight
- Low Power Consumption
- Low Harmonics



RoHS Compliant
DIMENSIONS: mm

Pin Assignment	
1	Vcont
2	GND
3	Output
4	VCC

2.8 Volt

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	1000
695-CSX325T-13	CSX325T13.000M2-UT10	13	9.25	7.58	6.63	5.95	5.30
695-CSX325T-16	CSX325T16.000M2-UT10	16	9.25	7.58	6.63	5.95	5.30
695-CSX325T-19.2	CSX325T19.200M2-UT10	19.2	9.25	7.58	6.63	5.95	5.30
695-CSX325T-26	CSX325T26.000M2-UT10	26	9.25	7.58	6.63	5.95	5.30
695-CSX325T-33.6	CSX325T33.600M2-UT10	33.6	9.25	7.58	6.63	5.95	5.30
695-CSX325T-38.4	CSX325T38.400M2-UT10	38.4	9.25	7.58	6.63	5.95	5.30

3.0 Volt

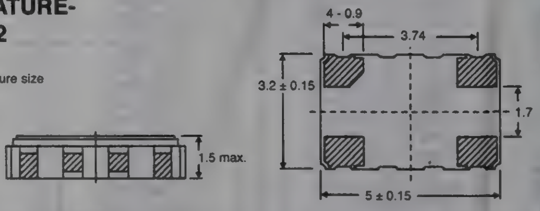
For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	1000
695-CSX325TM3-13	CSX325T13.000M3-UT10	13	9.25	7.58	6.63	5.95	5.30
695-CSX325TM3-16	CSX325T16.000M3-UT10	16	9.25	7.58	6.63	5.95	5.30
695-CSX325TM3-19.2	CSX325T19.200M3-UT10	19.2	9.25	7.58	6.63	5.95	5.30
695-CSX325TM3-26	CSX325T26.000M3-UT10	26	9.25	7.58	6.63	5.95	5.30
695-CSX325TM3-33.6	CSX325T33.600M3-UT10	33.6	9.25	7.58	6.63	5.95	5.30
695-CSX325TM3-38.4	CSX325T38.400M3-UT10	38.4	9.25	7.58	6.63	5.95	5.30

CSX532T SERIES SMD VOLTAGE-CONTROLLED TEMPERATURE-COMPENSATED CRYSTAL OSCILLATORS VCTCXO, 5 X 3.2

Specifications:
- Frequency Stability: ±2.5ppm
- Operating Temperature Range: -30°C~+75°C
- Supply Voltage: 2.4V~3.0V
- Output Level: 0.8Cp-p Min. (10KΩ/10pF)
- Aging: ±1.0ppm/year max.

Features:
- High Density SMD type - ultra-light weight and ultra-miniature size
- With the function of frequency and voltage control
- Low current consumption



RoHS Compliant
DIMENSIONS: mm

Pin Assignment	
1	Vcont
2	GND
3	Output
4	VCC

2.8 Volt

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	1000
695-CSX532T-12.8	CSX532T12.800M2-UT10	12.8000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-13	CSX532T13.000M2-UT10	13.0000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-14.4	CSX532T14.400M2-UT10	14.4000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-16	CSX532T16.000M2-UT10	16.0000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-16.3676	CSX532T16.3676M2-UT10	16.3676	8.75	6.48	5.78	5.25	4.65
695-CSX532T-16.8	CSX532T16.800M2-UT10	16.8000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-19.2	CSX532T19.200M2-UT10	19.2000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-19.44	CSX532T19.440M2-UT10	19.4400	8.75	6.48	5.78	5.25	4.65
695-CSX532T-19.68	CSX532T19.680M2-UT10	19.6800	8.75	6.48	5.78	5.25	4.65
695-CSX532T-19.8	CSX532T19.800M2-UT10	19.8000	8.75	6.48	5.78	5.25	4.65
695-CSX532T-24.5535	CSX532T24.5535M2-UT10	24.5535	8.75	6.48	5.78	5.25	4.65
695-CSX532T-26	CSX532T26.000M2-UT10	26.0000	8.75	6.48	5.78	5.25	4.65

3.0 Volt

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	1000
695-CSX532TM3-12.8	CSX532T12.800M3-UT10	12.8000	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-13	CSX532T13.000M3-UT10	13.0000	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-14.4	CSX532T14.400M3-UT10	14.4000	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-16	CSX532T16.000M3-UT10	16.0000	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-16.3	CSX532T16.3676M3-UT10	16.3676	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-16.8	CSX532T16.800M3-UT10	16.8000	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-19.2	CSX532T19.200M3-UT10	19.2000	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-19.44	CSX532T19.440M3-UT10	19.4400	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-19.68	CSX532T19.680M3-UT10	19.6800	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-19.8	CSX532T19.800M3-UT10	19.8000	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-24.5	CSX532T24.5535M3-UT10	24.5535	8.75	6.48	5.78	5.25	4.65
695-CSX532TM3-26	CSX532T26.000M3-UT10	26.0000	8.75	6.48	5.78	5.25	4.65

CITIZEN MHz Range SMD Crystals

CITIZEN.

CSX-750F SERIES CERAMIC CRYSTAL CLOCK OSCILLATORS 5 X 7

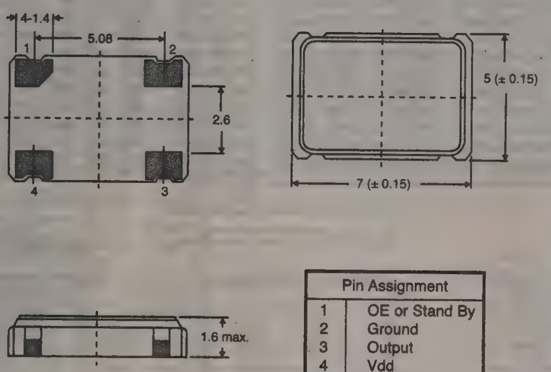
RoHS Compliant **This page of product is compliant.**

Specifications:
- Operating Temperature: -40°C to +80°C
- Supply Current: (FBC) 15mA Max.; (FJC) 25mA Max.
- Shock Resistance: ±20ppm Max.
- Stability: ±100ppm -20°C to +70°C (±50ppm available)

Features:
- Low profile SMD package.
- Ceramic leadless chip carrier with seam-welded metal lid.
- Low power CMOS IC
- Reflow soldering.

RoHS Compliant

DIMENSIONS: mm



Pin Assignment	
1	OE or Stand By
2	Ground
3	Output
4	Vdd

3.3 Volt

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	500
695-CSX750FBC-184	CSX750FBC1.8432MUT	1.84320	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-368	CSX750FBC3.6864MUT	3.68640	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-4	CSX750FBC4.000MUT	4.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-8	CSX750FBC8.000MUT	8.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-10	CSX750FBC10.000MUT	10.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-12	CSX750FBC12.000MUT	12.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-143	CSX750FBC14.31818MUT	14.31818	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-147	CSX750FBC14.7456MUT	14.74560	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-16	CSX750FBC16.000MUT	16.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-18.4	CSX750FBC18.432MUT	18.43200	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-20	CSX750FBC20.000MUT	20.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-24	CSX750FBC24.000MUT	24.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-245	CSX750FBC24.576MUT	24.57600	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-25	CSX750FBC25.000MUT	25.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-32	CSX750FBC32.000MUT	32.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FBC-333	CSX750FBC33.333MUT	33.33300	2.98	2.76	1.91	1.70	1.53
695-CSX750FJC-40	CSX750FJC40.000MUT	40.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FJC-48	CSX750FJC48.000MUT	48.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FJC-50	CSX750FJC50.000MUT	50.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FJC-60	CSX750FJC60.000MUT	60.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FJC-64	CSX750FJC64.000MUT	64.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FJC-666	CSX750FJC66.667MUT	66.66700	2.98	2.76	1.91	1.70	1.53
695-CSX750FJC80.0M	CSX750FJC80.000MUT	80.00000	2.98	2.76	1.91	1.70	1.53

5.0 Volt

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	500
695-CSX750FCC-184	CSX750FCC1.8432M-UT	1.84320	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-4	CSX750FCC4.000M-UT	4.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-8	CSX750FCC8.000M-UT	8.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-10	CSX750FCC10.000M-UT	10.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-143	CSX750FCC14.31818M-UT	14.31818	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-16	CSX750FCC16.000M-UT	16.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-20	CSX750FCC20.000M-UT	20.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-245	CSX750FCC24.576M-UT	24.57600	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-25	CSX750FCC25.000M-UT	25.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-27	CSX750FCC27.000M-UT	27.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-333	CSX750FCC33.333M-UT	33.33300	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-40	CSX750FCC40.000M-UT	40.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-48	CSX750FCC48.000M-UT	48.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-50	CSX750FCC50.000M-UT	50.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-60	CSX750FCC60.000M-UT	60.00000	2.98	2.76	1.91	1.70	1.53
695-CSX750FCC-66.6	CSX750FCC66.666M-UT	66.66600	2.98	2.76	1.91	1.70	1.53

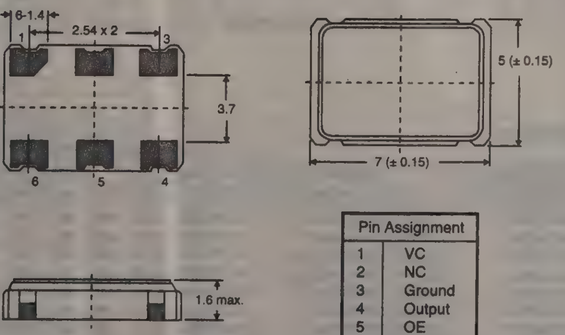
CSX-750V SERIES CERAMIC VOLTAGE CONTROLLED CRYSTAL OSCILLATORS, VCXO 5 X 7

Specifications:
- Operating Temperature: -40°C to +85°C
- Shock Resistance: ±10ppm Max.
- Stability: ±50ppm -10°C to +70°C

Features:
- Low Power Consumption
- Wide Pull Range (+100ppm)
- Tristate Output

RoHS Compliant

DIMENSIONS: mm



Pin Assignment	
1	VC
2	NC
3	Ground
4	Output
5	OE
6	Vdd

3.3 Volt

- Supply Current: 11mA max.

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	500
695-CSX750VBBL-409	CSX750VBB4.096MUT	4.096	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-8	CSX750VBB8.000MUT	8.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-819	CSX750VBB8.192MUT	8.192	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-122	CSX750VBB12.288MUT	12.288	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-163	CSX750VBB16.384MUT	16.384	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-194	CSX750VBB19.440MUT	19.440	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-20	CSX750VBB20.000MUT	20.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-247	CSX750VBB24.704MUT	24.704	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-25	CSX750VBB25.000MUT	25.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-32	CSX750VBB32.000MUT	32.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-327	CSX750VBB32.768MUT	32.768	5.25	4.88	3.38	3.00	2.55
695-CSX750VBBL-353	CSX750VBB35.328MUT	35.328	5.25	4.88	3.38	3.00	2.55

5.0 Volt

- Supply Current: 30mA max.

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	500
695-CSX750VCBM-8	CSX750VCB8.000MUT	8.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-819	CSX750VCB8.192MUT	8.192	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-122	CSX750VCB12.288MUT	12.288	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-123	CSX750VCB12.352MUT	12.352	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-163	CSX750VCB16.384MUT	16.384	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-194	CSX750VCB19.440MUT	19.440	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-20	CSX750VCB20.000MUT	20.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-245	CSX750VCB24.576MUT	24.546	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-247	CSX750VCB4.704MUT	24.704	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-25	CSX750VCB25.000MUT	25.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-27	CSX750VCB27.000MUT	27.000	5.25	4.88	3.38	3.00	2.70
695-CSX750VCBM-32	CSX750VCB32.000MUT	32.000	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-327	CSX750VCB32.768MUT	32.768	5.25	4.88	3.38	3.00	2.55
695-CSX750VCBM-353	CSX750VCB35.328MUT	35.328	5.25	4.88	3.38	3.00	2.55

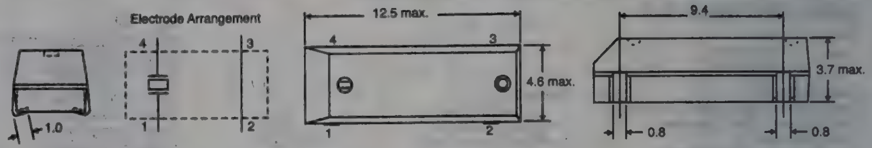
CITIZEN Crystals

RoHS Compliant **This page of product is compliant.**

CM309S SERIES PLASTIC SMD CRYSTALS
4.6 X 12.5

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP.
- Insulation Resistance: 500MΩ Min.

Features:
- Heat resistant
- Plastic encased cylinder type AT-cut crystal
- Reflow solderable
- Suitable for automatic insertion



DIMENSIONS: mm

RoHS Compliant

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-CM309S-357-U	CM309S3.579545MABJUT	3.579545	1.26	1.03	.90	.81	.65	.58
695-CM309S-368-U	CM309S3.6864MABJUT	3.686400	1.26	1.03	.90	.81	.65	.58
695-CM309S-4-U	CM309S4.000MABJUT	4.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-491-U	CM309S4.9152MABJUT	4.915200	1.26	1.03	.90	.81	.65	.58
695-CM309S-5-U	CM309S5.000MABJUT	5.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-6-U	CM309S6.000MABJUT	6.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-614-U	CM309S6.144MABJUT	6.144000	1.26	1.03	.90	.81	.65	.58
695-CM309S-737-U	CM309S7.3728MABJUT	7.372800	1.26	1.03	.90	.81	.65	.58
695-CM309S-8-U	CM309S8.000MABJUT	8.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-819-U	CM309S8.1920MABJUT	8.192000	1.26	1.03	.90	.81	.65	.58
695-CM309S-10-U	CM309S10.000MABJUT	10.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-110-U	CM309S11.0592MABJUT	11.059200	1.26	1.03	.90	.81	.65	.58
695-CM309S-12-U	CM309S12.000MABJUT	12.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-122-U	CM309S12.288MABJUT	12.288000	1.26	1.03	.90	.81	.65	.58
695-CM309S-143-U	CM309S14.31818MABJUT	14.318180	1.26	1.03	.90	.81	.65	.58

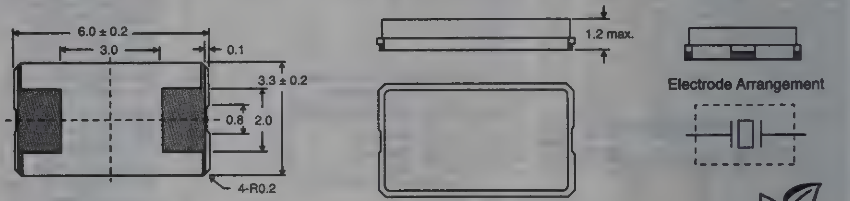
For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-CM309S-147-U	CM309S14.7456MABJUT	14.745600	1.26	1.03	.90	.81	.65	.58
695-CM309S-16-U	CM309S16.000MABJUT	16.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-184-U	CM309S18.432MABJUT	18.432000	1.26	1.03	.90	.81	.65	.58
695-CM309S-196-U	CM309S19.6608MABJUT	19.660800	1.26	1.03	.90	.81	.65	.58
695-CM309S-20-U	CM309S20.000MABJUT	20.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-221-U	CM309S22.1184MABJUT	22.118400	1.26	1.03	.90	.81	.65	.58
695-CM309S-24-U	CM309S24.000MABJUT	24.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-245-U	CM309S24.576MABJUT	24.576000	1.26	1.03	.90	.81	.65	.58
695-CM309S-25-U	CM309S25.000MABJUT	25.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-27-U	CM309S27.000MABJUT	27.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-32-U	CM309S32.000MABJUT	32.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-327-U	CM309S32.768MABJUT	32.768000	1.26	1.03	.90	.81	.65	.58
695-CM309S-40-U	CM309S40.000MABJUT	40.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-48-U	CM309S48.000MABJUT	48.000000	1.26	1.03	.90	.81	.65	.58
695-CM309S-4915-U	CM309S49.152MABJUT	49.152000	1.26	1.03	.90	.81	.65	.58

CS10 SERIES CERAMIC SMD CRYSTALS
3.3 X 6

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP.
- Insulation Resistance: 500MΩ Min.

Features:
- Excellent environmental and heat-resisting characteristics have been gained, due to the use of the highly reliable ceramic package.
- Enables automatic mounting, due to the emboss taping packaging.



RoHS Compliant

DIMENSIONS: mm

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-CS10-12	CS1012.000MABJUT	12.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-122	CS1012.288MABJUT	12.288000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-13	CS1013.000MABJUT	13.00000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-135	CS1013.560MABJUT	13.560000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-143	CS1014.31818MABJUT	14.318180	1.61	1.31	1.15	1.04	.83	.74
695-CS10-153	CS1015.360MABJUT	15.360000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-16	CS1016.000MABJUT	16.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-184	CS1018.432MABJUT	18.432000	1.61	1.31	1.15	1.04	.83	.74

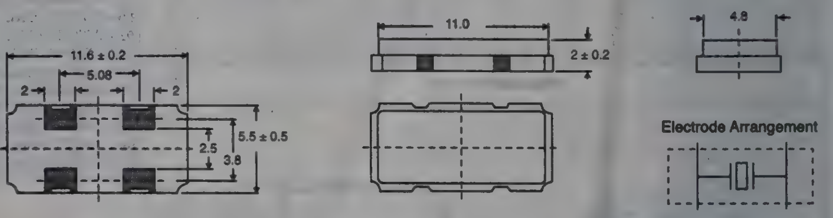
For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-CS10-20	CS1020.000MABJUT	20.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-221	CS1022.1184MABJUT	22.118400	1.61	1.31	1.15	1.04	.83	.74
695-CS10-24	CS1024.00MABJUT	24.00000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-245	CS1024.576MABJUT	24.576000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-25	CS1025.000MABJUT	25.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-27	CS1027.000MABJUT	27.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-32	CS1032.000MABJUT	32.000000	1.61	1.31	1.15	1.04	.83	.74
695-CS10-48	CS1048.000MABJUT	48.000000	1.61	1.31	1.15	1.04	.83	.74

CS20 SERIES CERAMIC SMD CRYSTALS
5.5 X 11.6

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP.
- Insulation Resistance: 500MΩ Min.

Features:
- Excellent environmental and heat-resisting characteristics have been gained, due to the use of the highly reliable ceramic package.
- Enables automatic mounting, due to the emboss taping packaging.



RoHS Compliant

DIMENSIONS: mm

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	500	2000
695-CS20-357	CS203.579545MABJUT	3.579545	1.10	.90	.80	.70	.68	.56
695-CS20-368	CS203.6864MABJUT	3.686400	1.10	.90	.80	.70	.68	.56
695-CS20-4	CS204.000MABJUT	4.000000	1.10	.90	.80	.70	.68	.56
695-CS20-491	CS204.9152MABJUT	4.915200	1.10	.90	.80	.70	.68	.56
695-CS20-6	CS206.000MABJUT	6.000000	1.10	.90	.80	.70	.68	.56
695-CS20-737	CS207.3728MABJUT	7.372800	1.10	.90	.80	.70	.68	.56
695-CS20-768	CS207.680MABJUT	7.680000	1.10	.90	.80	.70	.68	.56
695-CS20-8	CS208.000MABJUT	8.000000	1.10	.90	.80	.70	.68	.56
695-CS20-983	CS209.8304MABJUT	9.830400	1.10	.90	.80	.70	.68	.56
695-CS20-10	CS2010.000MABJUT	10.000000	1.10	.90	.80	.70	.68	.56
695-CS20-110	CS2011.0592MABJUT	11.059200	1.10	.90	.80	.70	.68	.56

For quantities of 5,000 and up, call for quote.

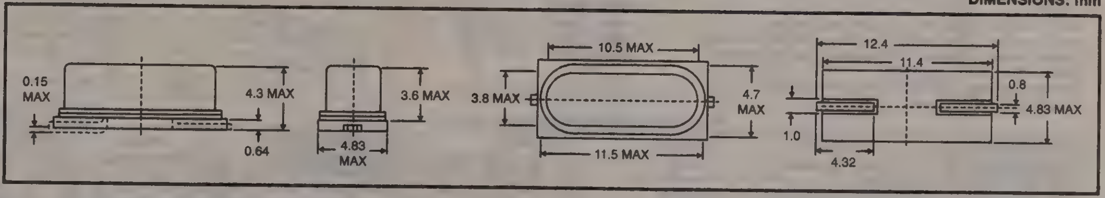
MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	500	2000
695-CS20-12	CS2012.000MABJUT	12.000000	1.10	.90	.80	.70	.68	.56
695-CS20-122	CS2012.288MABJUT	12.288000	1.10	.90	.80	.70	.68	.56
695-CS20-143	CS2014.31818MABJUT	14.318180	1.10	.90	.80	.70	.68	.56
695-CS20-147	CS2014.7456MABJUT	14.745600	1.10	.90	.80	.70	.68	.56
695-CS20-15	CS2015.000MABJUT	15.000000	1.10	.90	.80	.70	.68	.56
695-CS20-153	CS2015.360MABJUT	15.360000	1.10	.90	.80	.70	.68	.56
695-CS20-16	CS2016.000MABJUT	16.000000	1.10	.90	.80	.70	.68	.56
695-CS20-20	CS2020.000MABJUT	20.000000	1.10	.90	.80	.70	.68	.56
695-CS20-24	CS2024.000MABJUT	24.000000	1.10	.90	.80	.70	.68	.56
695-CS20-245	CS2024.576MABJUT	24.576000	1.10	.90	.80	.70	.68	.56
695-CS20-25	CS2025.000MABJUT	25.000000	1.10	.90	.80	.70	.68	.56

HCM49 SERIES MHZ METAL CAN SMD CRYSTALS HC49SM 4.7 X 11.5

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP
- Aging (First year): ±5ppm Max.
- Shock Resistance: ±10ppm Max.
- Insulation Resistance: 500MΩ Min.

RoHS Compliant

DIMENSIONS: mm



For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-HCM49-357-U	HCM493.579545MABJ-UT	3.579545	.83	.72	.66	.61	.44	.40
695-HCM49-368-U	HCM493.6864MABJ-UT	3.686400	.83	.72	.66	.61	.44	.40
695-HCM49-4-U	HCM494.000MABJ-UT	4.000000	.83	.72	.66	.61	.44	.40
695-HCM49-409-U	HCM494.096MABJ-UT	4.096000	.83	.72	.66	.61	.44	.40
695-HCM49-419-U	HCM494.194304MABJ-UT	4.194304	.83	.72	.66	.61	.44	.40
695-HCM49-491-U	HCM494.9152MABJ-UT	4.915200	.83	.72	.66	.61	.44	.40
695-HCM49-5-U	HCM495.000MABJ-UT	5.000000	.83	.72	.66	.61	.44	.40
695-HCM49-737-U	HCM497.3728MABJ-UT	7.372800	.83	.72	.66	.61	.44	.40
695-HCM49-8-U	HCM498.000MABJ-UT	8.000000	.83	.72	.66	.61	.44	.40
695-HCM49-819-U	HCM498.192MABJ-UT	8.192000	.83	.72	.66	.61	.44	.40
695-HCM49-9-U	HCM499.000MABJ-UT	9.000000	.83	.72	.66	.61	.44	.40
695-HCM49-983-U	HCM499.8304MABJ-UT	9.830400	.83	.72	.66	.61	.44	.40
695-HCM49-10-U	HCM4910.000MABJ-UT	10.000000	.83	.72	.66	.61	.44	.40
695-HCM49-102-U	HCM4910.240MABJ-UT	10.240000	.83	.72	.66	.61	.44	.40
695-HCM49-110-U	HCM4911.0592MABJ-UT	11.059200	.83	.72	.66	.61	.44	.40
695-HCM49-12-U	HCM4912.000MABJ-UT	12.000000	.83	.72	.66	.61	.44	.40
695-HCM49-122-U	HCM4912.288MABJ-UT	12.288000	.83	.72	.66	.61	.44	.40
695-HCM49-143-U	HCM4914.31818MABJ-UT	14.318180	.83	.72	.66	.61	.44	.40

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each					
			1	10	50	100	1000	2000
695-HCM49-147-U	HCM4914.7456MABJ-UT	14.745600	.83	.72	.66	.61	.44	.40
695-HCM49-15-U	HCM4915.000MABJ-UT	15.000000	.83	.72	.66	.61	.44	.40
695-HCM49-16-U	HCM4916.000MABJ-UT	16.000000	.83	.72	.66	.61	.44	.40
695-HCM49-162-U	HCM4916.2570MABJ-UT	16.257000	.83	.72	.66	.61	.44	.40
695-HCM49-163-U	HCM4916.384MABJ-UT	16.384000	.83	.72	.66	.61	.44	.40
695-HCM49-166-U	HCM4916.684MABJ-UT	16.684000	.83	.72	.66	.61	.44	.40
695-HCM49-177-U	HCM4917.734475MABJ-UT	17.734475	.83	.72	.66	.61	.44	.40
695-HCM49-184-U	HCM4918.432MABJ-UT	18.432000	.83	.72	.66	.61	.44	.40
695-HCM49-196-U	HCM4919.6608MABJ-UT	19.660800	.83	.72	.66	.61	.44	.40
695-HCM49-20-U	HCM4920.000MABJ-UT	20.000000	.83	.72	.66	.61	.44	.40
695-HCM49-221-U	HCM4922.1184MABJ-UT	22.118400	.98	.85	.78	.72	.52	.47
695-HCM49-24-U	HCM4924.000MABJ-UT	24.000000	.98	.85	.78	.72	.52	.47
695-HCM49-245-U	HCM4924.576MABJ-UT	24.576000	.98	.85	.78	.72	.52	.47
695-HCM49-25-U	HCM4925.000MABJ-UT	25.000000	.98	.85	.78	.72	.52	.47
695-HCM49-27-U	HCM4927.000MABJ-UT	27.000000	.98	.85	.78	.72	.52	.47
695-HCM49-32-U	HCM4932.000MABJ-UT	32.000000	.98	.85	.78	.72	.52	.47
695-HCM49-48-U	HCM4948.000MABJ-UT	48.000000	.98	.85	.78	.72	.52	.47
695-HCM49-49-U	HCM4949.152MABJ-UT	49.152000	.98	.85	.78	.72	.52	.47

CM130 SERIES 32.768 KHZ PLASTIC SMD CRYSTALS 1.4 X 6.9

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±20ppm

For quantities of 6,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	L.C. (pF)	Price Each					
					1	10	50	100	1000	3000
695-CM130-327K	CM13032.768KDZFTR	A	32.768	6.0	1.47	1.20	1.05	.95	.76	.67

CM200S SERIES 32.768 KHZ PLASTIC SMD CRYSTALS 3.8 X 8

Specifications:
- Operating Temperature: -40°C to +85°C
- Frequency Tolerance: ±20ppm

For quantities of 6,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	L.C. (pF)	Price Each					
					1	10	50	100	1000	3000
695-CM200S-327KF	CM200S32.768KDZFTR	B	32.768	12.5	.98	.80	.70	.63	.50	.45
695-CM200S-327KB	CM200S32.768KDZBTR	B	32.768	6.0	.98	.80	.70	.63	.50	.45

CM250S SERIES KHZ RANGE SMD CRYSTALS 3.8 X 8

- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 32KHz ~ 100KHZ
- Frequency Tolerance: ±30ppm
- Load Capacitance: 12.5pF TYP.

For quantities of 6,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	L.C. (pF)	Price Each					
					1	10	50	100	1000	2000
695-CM250S-32KAZ	CM250S32.000KAZFTR	B	32	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-36KAZ	CM250S36.000KAZFTR	B	36	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-38.4KAZ	CM250S38.400KAZFTR	B	38.4	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-40KAZ	CM250S40.000KAZFTR	B	40	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-60KAZ	CM250S60.000KAZFTR	B	60	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-76.8KAZ	CM250S76.800KAZFTR	B	76.8	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-960KZ	CM250S96.000KAZFTR	B	96	12.5	1.65	1.35	1.20	1.05	.97	.86
695-CM250S-100KZ	CM250S100.000KAZFTR	B	100	12.5	1.65	1.35	1.20	1.05	.97	.86

CMR SERIES 32.768 KHZ REFLOWABLE CRYSTALS

Specifications:
- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 32.768 KHz
- Frequency Tolerance: ±20ppm
- Load Capacitance: 12.5pF TYP.

For quantities of 6,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	Price Each					
				1	10	50	100	1000	2000
695-CMR200TB-327K	CMR200TB32.768KDZFTR	C	32.768	.71	.62	.57	.52	.38	.34
695-CMR200TB-327KDZ	CMR200TB32.768KDZBTR	C	32.768	.71	.62	.57	.52	.38	.34

TUNING FORK CRYSTALS

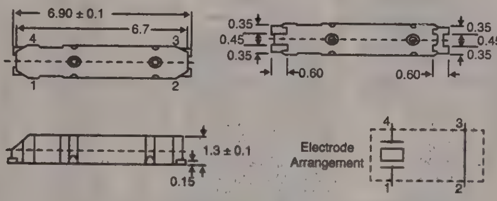
- Operating Temperature: -40°C to +85°C
- Nominal Frequency: 32.768KHz
- Frequency Tolerance: ±20ppm
- Load Capacitance: 12.5pF TYP.

For quantities of 6,000 and up, call for quote.

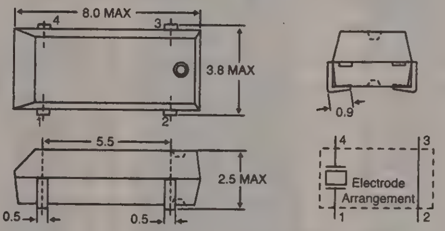
MOUSER STOCK NO.	Citizen Part Number	Fig.	Freq. (KHz)	L.C. (pF)	Price Each					
					1	10	50	100	1000	3000
695-CM315-32.768	CM315 32.768KDZF-UT	D	32.768	12.5	2.14	1.88	1.67	1.50	1.25	1.07
695-CM41532.768KDZF	CM415 32.768KDZF-UT	D	32.768	12.5	1.71	1.50	1.33	1.20	1.00	.86
695-CM519-32.768	CM519 32.768KDZF-UT	D	32.768	12.5	1.75	1.50	1.13	1.00	.85	.80

DIMENSIONS: mm

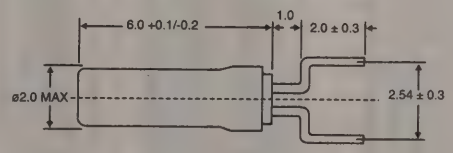
A



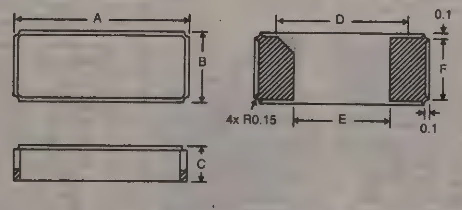
B



C



D



MOUSER STOCK NO.	Dimensions					
	A	B	C	D	E	F
695-CM315-32.768	3.2 +/-0.1	1.5+/-0.1	0.9 MAX	2.4	1.8	1.3
695-CM41532.768KDZF	4.1+/-0.1	1.5+/-0.1	0.9 MAX	3.3	2.7	1.3
695-CM519-32.768	4.9+/-0.15	1.0+/-0.15	1.0 MAX	3.95	3.2	1.6

CITIZEN Crystals

CITIZEN.

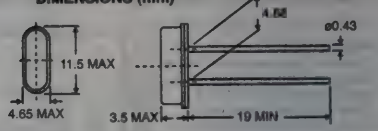
HC49US SERIES MHZ RANGE METAL CAN CRYSTALS

Features:
- The HC-49/U-S is a high-performance miniature crystal unit manufactured with Citizen's ultrahigh-precisionprocessing technology.
- Excellent vibration resistance, shock resistance and environmental characteristics and shock resistance.
- Can be automatically mounted, as units provided with taping are available by request.

Specifications:
- Operating Temperature: -20°C to +70°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP.

RoHS Compliant

DIMENSIONS (mm)



For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	200
695-HC49US-357-U	HC49US3.579545MABJ-UB	3.579545	.58	.52	.46	.42	.40
695-HC49US-368-U	HC49US3.6864MABJ-UB	3.686400	.58	.52	.46	.42	.40
695-HC49US-4-U	HC49US4.000MABJ-UB	4.000000	.58	.52	.46	.42	.40
695-HC49US-419-U	HC49US4.194304MABJ-UB	1.194304	.58	.52	.46	.42	.40
695-HC49US-491-U	HC49US4.9152MABJ-UB	4.915200	.58	.52	.46	.42	.40
695-HC49US-5-U	HC49US5.000MABJ-UB	5.000000	.58	.52	.46	.42	.40
695-HC49US-6-U	HC49US6.000MABJ-UB	6.000000	.58	.52	.46	.42	.40
695-HC49US-614-U	HC49US6.144MABJ-UB	6.144000	.58	.52	.46	.42	.40
695-HC49US-617-U	HC49US6.176MABJ-UB	6.176000	.58	.52	.46	.42	.40
695-HC49US-737-U	HC49US7.3728MABJ-UB	7.372800	.58	.52	.46	.42	.40
695-HC49US-8-U	HC49US8.000MABJ-UB	8.000000	.58	.52	.46	.42	.40
695-HC49US-819-U	HC49US8.192MABJ-UB	8.192000	.58	.52	.46	.42	.40
695-HC49US-983-U	HC49US9.8304MABJ-UB	9.830400	.58	.52	.46	.42	.40
695-HC49US-10-U	HC49US10.000MABJ-UB	10.000000	.58	.52	.46	.42	.40
695-HC49US-110-U	HC49US11.0592MABJ-UB	11.059200	.58	.52	.46	.42	.40
695-HC49US-12-U	HC49US12.000MABJ-UB	12.000000	.58	.52	.46	.42	.40
695-HC49US-122-U	HC49US12.288MABJ-UB	12.288000	.58	.52	.46	.42	.40
695-HC49US-135-U	HC49US13.500MABJ-UB	13.500000	.58	.52	.46	.42	.40
695-HC49US-143-U	HC49US14.31818MABJ-UB	14.318180	.58	.52	.46	.42	.40

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Frequency (MHz)	Price Each				
			1	10	50	100	200
695-HC49US-147-U	HC49US14.7456MBJ-UB	14.745600	.58	.52	.46	.42	.40
695-HC49US-153-U	HC49US15.360MABJ-UB	15.360000	.58	.52	.46	.42	.40
695-HC49US-16-U	HC49US16.000MABJ-UB	16.000000	.58	.52	.46	.42	.40
695-HC49US-18-U	HC49US18.000MABJ-UB	18.000000	.58	.52	.46	.42	.40
695-HC49US-184-U	HC49US18.432MABJ-UB	18.432000	.58	.52	.46	.42	.40
695-HC49US-196-U	HC49US19.6608MABJ-UB	19.660800	.58	.52	.46	.42	.40
695-HC49US-20-U	HC49US20.000MABJ-UB	20.000000	.58	.52	.46	.42	.40
695-HC49US-214-U	HC49US21.47720MABJ-UB	21.477200	.58	.52	.46	.42	.40
695-HC49US-221-U	HC49US22.1184MABJ-UB	22.118400	.58	.52	.46	.42	.40
695-HC49US-24-U	HC49US24.000MABJ-UB	24.000000	.58	.52	.46	.42	.40
695-HC49US-245-U	HC49US24.576MABJ-UB	24.576000	.58	.52	.46	.42	.40
695-HC49US-25-U	HC49US25.000MABJ-UB	25.000000	.58	.52	.46	.42	.40
695-HC49US-27-U	HC49US27.000MABJ-UB	27.000000	.58	.52	.46	.42	.40
695-HC49US-282-U	HC49US28.224MABJ-UB	28.224000	.58	.52	.46	.42	.40
695-HC49US-338-U	HC49US33.8688MABJ-UB	33.868800	.58	.52	.46	.42	.40
695-HC49US-40-U	HC49US40.000MABJ-UB	40.000000	.58	.52	.46	.42	.40
695-HC49US-48-U	HC49US48.000MABJ-UB	48.000000	.58	.52	.46	.42	.40
695-HC49US-49.1-U	H49US49.152MABJ-UB	49.152000	.58	.52	.46	.42	.40
695-HC49US-50M-U	HC49US50.000MABJ-UB	50.000000	.58	.52	.46	.42	.40

CSA-309 / CSA-310 SERIES MHZ RANGE CYLINDER CRYSTALS

Specifications:
- Operating Temperature: -20°C to +70°C
- Frequency Tolerance: ±30ppm
- Load Capacitance: 18.0pF TYP.

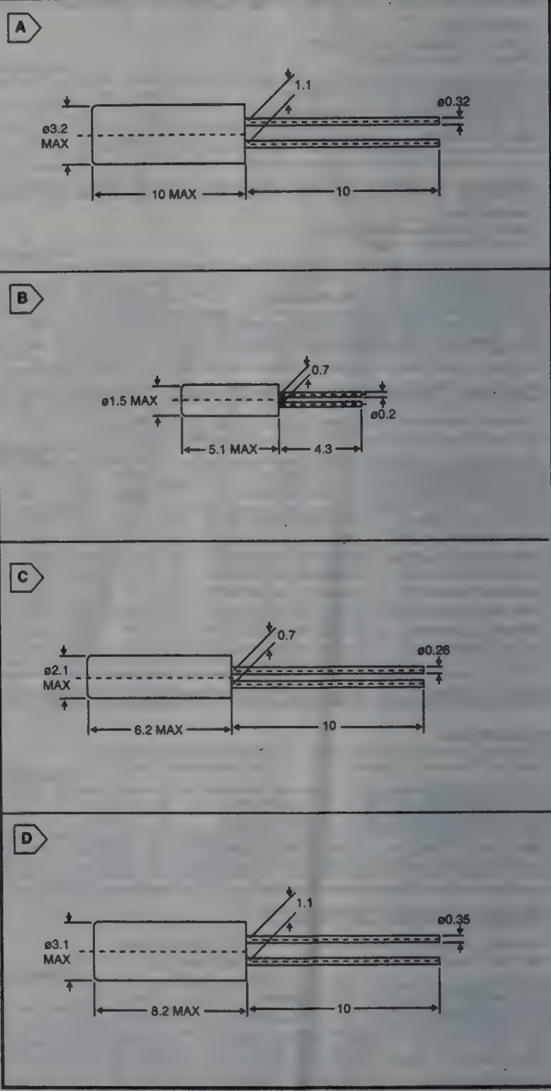
Features:
- High stability has been gained through vacuum sealing.
- Outstanding vibration resistance, shock resistance and environmental characteristics.

Available as RoHS compliant, Add -U to the end of the Mouser Number

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (MHz)	Price Each					
				1	10	50	100	1000	2000
695-CSA3103.579545M	CSA3103.579545MABJB	A	3.579545	.54	.45	.41	.36	.29	.27
695-CSA3103.6864M	CSA3103.6864MABJB	A	3.686400	.54	.45	.41	.36	.29	.27
695-CSA3104.000M	CSA3104.000MABJB	A	4.000000	.54	.45	.41	.36	.29	.27
695-CSA309-491MAB	CSA3094.9152MABJB	A	4.91520	.78	.67	.62	.57	.41	.37
695-CSA309-5	CSA3095.000MABJB	A	5.000000	.78	.67	.62	.57	.41	.37
695-CSA309-6	CSA3096.000MABJB	A	6.000000	.78	.67	.62	.57	.41	.37
695-CSA309-737	CSA3097.3728MABJB	A	7.372800	.78	.67	.62	.57	.41	.37
695-CSA309-8	CSA3098.000MABJB	A	8.000000	.78	.67	.62	.57	.41	.37
695-CSA309-819	CSA3098.192MABJB	A	8.19200	.78	.67	.62	.57	.41	.37
695-CSA309-10	CSA30910.000MABJB	A	10.00000	.78	.67	.62	.57	.41	.37
695-CSA309-1105	CSA30911.0592MABJB	A	11.05920	.78	.67	.62	.57	.41	.37
695-CSA309-12	CSA30912.000MABJB	A	12.00000	.78	.67	.62	.57	.41	.37
695-CSA309-122	CSA30912.288MABJB	A	12.288000	.78	.67	.62	.57	.41	.37
695-CSA309-123	CSA30912.352MABJB	A	12.352000	.78	.67	.62	.57	.41	.37
695-CSA309-143	CSA30914.31818MABJB	A	14.318180	.78	.67	.62	.57	.41	.37
695-CSA309-147	CSA30914.7456MABJB	A	14.745600	.78	.67	.62	.57	.41	.37
695-CSA309-16	CSA30916.000MABJB	A	16.00000	.78	.67	.62	.57	.41	.37
695-CSA309-162	CSA30916.257MABJB	A	16.257000	.78	.67	.62	.57	.41	.37
695-CSA309-163	CSA30916.384MABJB	A	16.38400	.78	.67	.62	.57	.41	.37
695-CSA309-166	CSA30916.667MABJB	A	16.667000	.78	.67	.62	.57	.41	.37
695-CSA309-184	CSA30918.432MABJB	A	18.43200	.78	.67	.62	.57	.41	.37
695-CSA309-196	CSA30919.6608MABJB	A	19.66080	.78	.67	.62	.57	.41	.37
695-CSA309-20	CSA30920.000MABJB	A	20.000000	.78	.67	.62	.57	.41	.37
695-CSA309-221	CSA30922.1184MABJB	A	22.11840	.83	.72	.66	.61	.44	.40
695-CSA309-24	CSA30924.000MABJB	A	24.00000	.83	.72	.66	.61	.44	.40
695-CSA309-245	CSA30924.576MABJB	A	24.57600	.83	.72	.66	.61	.44	.40
695-CSA309-25	CSA30925.000MABJB	A	25.00000	.83	.72	.66	.61	.44	.40
695-CSA309-265	CSA30926.540MABJB	A	26.540000	.83	.72	.66	.61	.44	.40
695-CSA309-27	CSA30927.000MABJB	A	27.00000	.83	.72	.66	.61	.44	.40
695-CSA309-28	CSA30928.000MABJB	A	28.000000	.83	.72	.66	.61	.44	.40
695-CSA309-286	CSA30928.63636MABJB	A	28.636360	.83	.72	.66	.61	.44	.40
695-CSA309-294	CSA30929.4912MABJB	A	29.491200	.83	.72	.66	.61	.44	.40
695-CSA309-32	CSA30932.000MABJB	A	32.00000	.83	.72	.66	.61	.44	.40
695-CSA309-40	CSA30940.000MABJB	A	40.00000	.83	.72	.66	.61	.44	.40
695-CSA309-48	CSA30948.000MABJB	A	48.00000	.83	.72	.66	.61	.44	.40
695-CSA309-491	CSA30949.152MABJB	A	49.15200	.83	.72	.66	.61	.44	.40
695-CSA309-531	CSA30953.125MABJB	A	53.125000	.83	.72	.66	.61	.44	.40

DIMENSIONS (mm)



CFS / CFV SERIES KHZ RANGE CYLINDER CRYSTALS

Specifications:
- Operating Temperature: -10°C to +60°C
- Freq. Tolerance: CFS ±20ppm, CFV ±30ppm
- Load Capacitance: 12.5pF Typ.; (CFS-145) 8.0pF Typ.
- Insulation Resistance: 500MΩ Min.

Available as RoHS compliant,
Add -U to the end of the Mouser Number

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Citizen Part Number	Fig.	Frequency (KHz)	LC (pF)	Price Each					
					1	10	50	100	1000	2000
695-CFS145-327K	CFS14532.768KDZFB	B	32.768	12.5	.79	.68	.63	.58	.42	.38
695-CFS206-327KFB	CFS20632.768KDZFB	C	32.768	12.5	.30	.26	.22	.18	.14	.13
695-CFS206-327KBB	CFS20632.768KDZBB	C	32.768	6.0	.30	.26	.22	.18	.14	.13
695-CFS308-327K	CFS30832.768KDZFB	D	32.768	12.5	.30	.26	.22	.18	.14	.13
695-CFV206-32K	CFV20632.000KAZFB	C	32	12.5	1.00	.90	.65	.58	.52	.48
695-CFV206-36K	CFV20636.000KAZFB	C	36	12.5	1.00	.90	.65	.58	.52	.48
695-CFV206-38.4K	CFV20638.400KAZFB	C	38.4	12.5	1.00	.90	.65	.58	.52	.48
695-CFV206-40K	CFV20640.000KAZFB	C	40	12.5	1.00	.90	.65	.58	.52	.48
695-CFV206-60K	CFV20660.000KAZFB	C	60	12.5	1.00	.90	.65	.58	.52	.48
695-CFV206-75K	CFV20675.000KAZFB	C	75	12.5	1.00	.90	.65	.58	.52	.48
695-CFV206-76.8K	CFV20676.800KAZFB	C	76.8	12.5	1.00	.90	.65	.58	.52	.48
695-CFV206-96K	CFV20696.000KAZFB	C	96	12.5	1.00	.90	.65	.58	.52	.48
695-CFV206-100K	CFV206100.000KAZFB	C	100	12.5	1.00	.90	.65	.58	.52	.48

CRYSTEK Chipset Crystals and Oscillators

CHIPSET CRYSTALS AND OSCILLATORS

Crystek Crystals Corporation has worked with Chipset manufacturers to develop crystal and oscillator solutions that are compatible with their specific Chipsets.

As with all design work it is sometimes necessary to alter the frequency for a customer specific application and the engineering team at Crystek is available to assist with crystal and oscillator design modifications. The list of product below are the Qualified and Recommended Crystals and Oscillators for these specific Chipsets shown. Other Chipset reference designs are available. Contact a Mouser Sales Representative for more information.

AMD Application: PDA's, Web Tablets, Portable and Wired Internet Access Devices, and Gateways

For quantities greater than listed, call for quote.

Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	Price Each 1	10	100	1000
Au1000	**549-016906**	16906	A	CMD6A	12.000000	-20°C to +70°C	**1.72**	**1.51**	**.86**	**.60**
Au1100	**549-017130**	17130	B	5x7mm SMD	12.000000	-20°C to +70°C	**1.72**	**1.51**	**.86**	**.60**
Au1100	**549-016929**	16929	C	CSX3	12.00000	-20°C to +70°C	**2.28**	**2.00**	**1.24**	**.76**
Au1100	**549-017181**	17181	B	5x7mm SMD	13.500000	0°C to +70°C	**2.36**	**2.07**	**1.18**	**.83**
Au1100	**549-017131**	17131	B	5x7mm SMD	24.576000	-20°C to +70°C	**1.80**	**1.58**	**.90**	**.63**
Au1100	**549-017129**	17129	D	C15 SMD	32.768 KHz	-40°C to +85°C	**2.84**	**2.49**	**1.42**	**.99**
Au1500	**549-017036**	17036	E	C26 SMD	32.768 KHz	-40°C to +85°C	**1.72**	**1.51**	**.86**	**.60**

Atmel Application: Smart RF, RF Microcontrollers, RF ISM for RF Wireless Systems

Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	1	10	100	1000
AT86RF401	**549-016757**	16757	F	HC49S SMD	13.125225	-40°C to +85°C	**1.56**	**1.37**	**.78**	**.55**
AT86RF401	**549-016758**	16758	F	HC49S SMD	18.080000	-40°C to +85°C	**1.56**	**1.37**	**.78**	**.55**
T5744	**549-017057**	17057	F	HC49S SMD	4.906250	-40°C to +85°C	**1.64**	**1.44**	**.82**	**.57**
T5744	**549-017126**	17126	F	HC49S SMD	4.906250	0°C to +70°C	**1.48**	**1.30**	**.74**	**.52**
T5744	**549-017128**	17128	F	HC49S SMD	6.764380	0°C to +70°C	**1.48**	**1.30**	**.74**	**.52**
T5753	**549-017113**	17113	F	HC49S SMD	9.843750	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**

Maxim Application: RF Microcontrollers for Garage door openers, Remote Controls, Security Systems, Medical Systems, Wireless Computer Peripherals

Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	1	10	100	1000
MAX1470/MAX1473	**549-016949**	16949	F	HC49S SMD	4.6453	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1470/MAX1473	**549-016867**	16867	F	HC49S SMD	4.754687	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1470/MAX1473	**549-016991**	16991	F	HC49S SMD	5.223438	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1470/MAX1473	**549-016926**	16926	F	HC49S SMD	5.8484	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1470/MAX1473	**549-016927**	16927	F	HC49S SMD	5.9265	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1470/MAX1473	**549-016868**	16868	F	HC49S SMD	6.612813	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1471	**549-017034**	17034	F	HC49S SMD	9.509375	-40°C to +85°C	**1.76**	**1.54**	**.88**	**.62**
MAX1471	**549-017035**	17035	F	HC49S SMD	13.2256	-40°C to +85°C	**1.76**	**1.54**	**.88**	**.62**
MAX1472	**549-016950**	16950	F	HC49S SMD	9.625	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1472	**549-016951**	16951	F	HC49S SMD	10.78125	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1472	**549-016952**	16952	F	HC49S SMD	12.031125	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1472	**549-016953**	16953	F	HC49S SMD	12.1875	-40°C to +85°C	**1.68**	**1.47**	**.84**	**.59**
MAX1472	**549-017000**	17000	F	HC49S SMD	9.84375	-40°C to +85°C	**1.76**	**1.54**	**.88**	**.62**
MAX1472	**549-017001**	17001	F	HC49S SMD	13.56	-40°C to +85°C	**1.76**	**1.54**	**.88**	**.62**

Microchip Application: RF Microcontrollers for Garage door openers, Remote Controls, Security Systems, Medical Systems, Wireless Computer Peripherals (Crystals for ASK modulation and FSK available. Please contact your Mouser representative for more information.)

*FSK modulation

Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	1	10	100	1000
rfHCS362G/362F	**549-017161**	17161	F	HC49S SMD	9.494531	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfHCS362G/362F	**549-016875**	16875	F	HC49S SMD	9.843750	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfHCS362G/362F	**549-016876**	16876	F	HC49S SMD	13.062500	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfHCS362G/362F	**549-016877**	16877	F	HC49S SMD	13.560000	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfHCS362G/362F	**549-017270 ***	17270	F	HC49S SMD	13.560000	-40°C to +85°C	**1.92**	**1.82**	**.96**	**.70**
rfPIC12C509AG/509AF	**549-017161**	17161	F	HC49S SMD	9.494531	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfPIC12C509AG/509AF	**549-016875**	16875	F	HC49S SMD	9.843750	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfPIC12C509AG/509AF	**549-016876**	16876	F	HC49S SMD	13.062500	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfPIC12C509AG/509AF	**549-016877**	16877	F	HC49S SMD	13.560000	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfPIC12C509AG/509AF	**549-017270 ***	17270	F	HC49S SMD	13.560000	-40°C to +85°C	**1.92**	**1.82**	**.96**	**.70**
rfPIC12F675F	**549-016876**	16876	F	HC49S SMD	13.062500	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfPIC12F675F	**549-016877**	16877	F	HC49S SMD	13.560000	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfPIC12F675H	**549-017054**	17054	F	HC49S SMD	27.134375	-40°C to +85°C	**1.08**	**.95**	**.54**	**.38**
rfPIC12F675H	**549-017056**	17056	F	HC49S SMD	28.593750	-40°C to +85°C	**1.08**	**.95**	**.54**	**.38**
rfPIC12F675K	**549-017161**	17161	F	HC49S SMD	9.494531	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfPIC12F675K	**549-017270 ***	17270	F	HC49S SMD	13.560000	-40°C to +85°C	**1.92**	**1.82**	**.96**	**.70**
rfPIC12F675K	**549-016875**	16875	F	HC49S SMD	9.843750	-40°C to +85°C	**1.28**	**1.12**	**.64**	**.45**
rfRXD0420	**549-016999**	16999	F	HC49S SMD	20.356250	-40°C to +85°C	**1.08**	**.95**	**.54**	**.38**
rfRXD0420	**549-017137**	17137	F	HC49S SMD	25.456250	-40°C to +85°C	**1.08**	**.95**	**.54**	**.38**
rfRXD0420	**549-016985**	16985	F	HC49S SMD	26.451250	-40°C to +85°C	**1.08**	**.95**	**.54**	**.38**
rfRXD0420	**549-017272 ***	17272	F	HC49S SMD	26.451250	-40°C to +85°C	**1.28**	**1.22**	**.64**	**.46**
rfRXD0920	**549-017053**	17053	F	HC49S SMD	26.800000	-40°C to +85°C	**1.08**	**.95**	**.54**	**.38**
rfRXD0920	**549-017055**	17055	F	HC49S SMD	28.259375	-40°C to +85°C	**1.08**	**.95**	**.54**	**.38**
RXD0420	**549-017160**	17160	F	HC49S SMD	19.657812	-40°C to +85°C	**1.08**	**.95**	**.54**	**.38**

MindSpeed Application: Datacom/Telecom Chipsets for E3/T3, LIU (line Interface Units), Framers

For quantities greater than listed, call for quote.

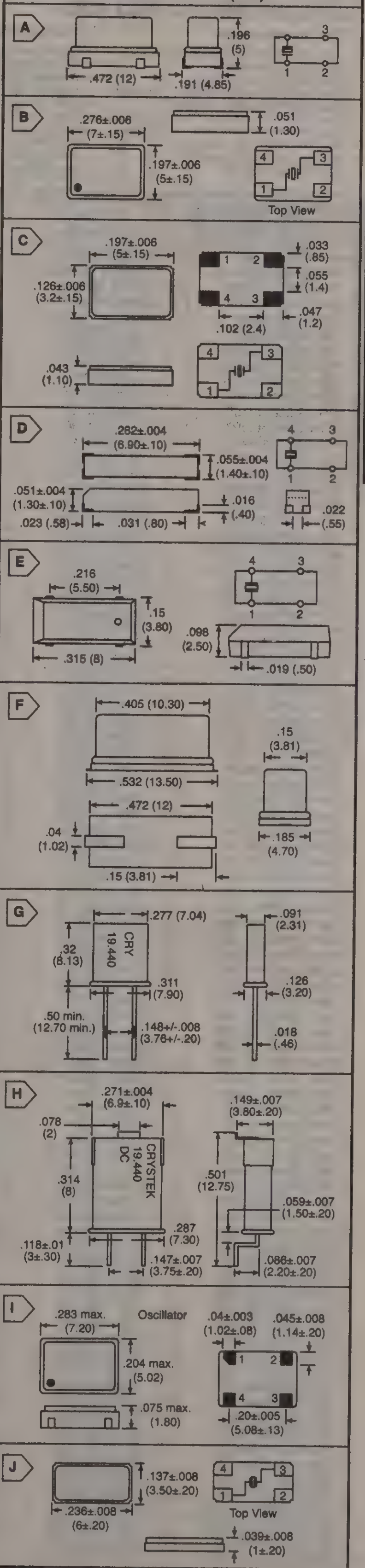
Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	1	10	100	1000
M28356	**549-016807**	16807	G	UM1	19.440	-40°C to +85°C	**5.44**	**4.76**	**2.72**	**1.90**
M28356	**549-017039**	17039	H	UM1/SMD	19.440	-40°C to +85°C	**5.92**	**5.18**	**2.96**	**2.07**
M28320/28335/29320	**549-601137**	601137	I	5x7mm SMD	34.368	-40°C to +85°C	**5.08**	**4.45**	**2.54**	**1.78**
M28320/28335/29320	**549-601138**	601138	I	5x7mm SMD	44.736	-40°C to +85°C	**5.08**	**4.45**	**2.54**	**1.78**
M28320/28335/29320	**549-601139**	601139	I	5x7mm SMD	51.840	-40°C to +85°C	**5.36**	**4.69**	**2.68**	**1.88**

Texas Instruments Application: BLUETOOTH, FIREWIRE, RF ISM, WLAN used in Computer and Home Automation

Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	1	10	100	1000
TRF6903/4903/6901	**549-017118**	17118	J	3.5x6mm SMD	16.3840	-40°C to +85°C	**2.72**	**2.04**	**1.22**	**.88**
TRF6901/6903/4903/Dolphin	**549-017119**	17119	J	3.5x6mm SMD	19.6608	-40°C to +85°C	**2.72**	**2.04**	**1.22**	**.88**
TRF690x	**549-017291**	17291	J	3.5x6mm SMD	16.3840	-40°C to +85°C	**1.92**	**1.68**	**.96**	**.67**

Associated Chip	MOUSER STOCK NO.	Crystek Part No.	Fig.	Package	Frequency (MHz)	Operating Temp. Range	1	10	50	100
TSB41BA3	**549-017150**	17150	B	5x7mm SMD	49.152000	0°C to +70°C	**13.32**	**11.66**	**8.33**	**6.67**
TSB41BA3	**549-017149**	17149	B	5x7mm SMD	49.152000	-40°C to +85°C	**16.64**	**14.56**	**10.40**	**8.32**
TSB41BA3	**549-601230**	601230	I	5x7mm SMD	49.152000	0°C to +70°C	**4.68**	**4.10**	**2.93**	**2.34**
TSB41BA3	**549-601188**	601188	I	5x7mm SMD	49.152000	-40°C to +85°C	**5.00**	**4.38**	**3.13**	**2.50**
TSB41BA3	**549-601228**	601228	I	5x7mm SMD	49.152000	-55°C to +125°	**20.72**	**18.13**	**12.95**	**10.36**
TSB81BA3	**549-601251**	601251	I	5x7mm SMD	98.304000	0°C to +70°C	**13.64**	**11.94**	**8.53**	**6.82**
TSB81BA3	**549-601252**	601252	I	5x7mm SMD	98.304000	-40°C to +85°C	**15.24**	**13.34**	**9.53**	**7.62**

DIMENSIONS: in. (mm)



CRYSTEK SMD Clock Oscillators

RoHS Compliant **This page of product is compliant.**

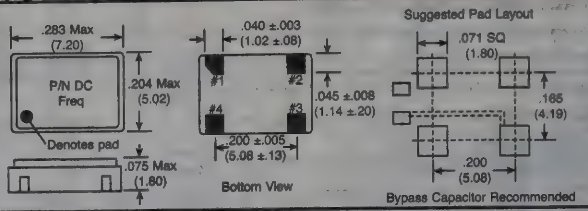
C32XX AND C33XX SERIES CLOCK OSCILLATORS, 5 X 7MM SMD

C32xx Specifications:

- Frequency Range: 1.544MHz~106.250MHz
- Input Current: 60mA Max
- Symmetry: 40/60% Max @ 50% Vdd
- Rise/Fall Time: 6ns Max @ 20% ~ 80% Vdd
- Load: 50pF/10TTL Max, HCMOS/TTL
- Logic: "0" = 10% Vdd Max, "1" = 90% Vdd Min
- Output Enable: V^{IH} 2.4V Min.; V^{IL} 0.4V Max.
- Jitter RMS: 0.5ps Typ, 1ps Max
- Industrial Temperature Available
- Input Voltage: 5V±0.5V

C33xx Specifications:

- Frequency Range: 1.544MHz~156.250MHz
- Input Current: 40mA Max
- Symmetry: 45/55% Max @ 50% Vdd
- Rise/Fall Time: 8ns Max @ 20% to 80% Vdd
- Load: 30pF Max, >125MHz 15pF Max, HCMOS
- Logic: "0" = 10% Vdd Max, "1" = 90% Vdd Min
- Output Enable: V^{IH} 2.4V Min.; V^{IL} 0.4V Max.
- Jitter RMS: 0.5ps Typ, 1ps Max
- Industrial Temperature Available
- Input Voltage: 3.3V±0.3V



RoHS Compliant

DIMENSIONS in. (mm)

Pad	Connection
1	O/E
2	GND
3	OUT
4	Vdd

(Other frequencies and stabilities available, please contact your Mouser Sales Representative for more information.)

MOUSER STOCK NO.	Crystek Part Number	Frequency (MHz)	Stability over Temperature Range	Price Each						Reel Qty.
				1	25	50	100	250	500	1000
549-C3290-2.048	C3290-2.048	2.048	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.79
549-C3290-3.686400	C3290-3.686400	3.6864	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.79
549-C3290-20.000	C3290-20.000	20.000	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.79
549-C3290-33.000	C3290-33.000	33.000	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.79
549-C3292-1.544	C3292-1.544	1.544	±50ppm @ 0° to 70°C	2.01	1.85	1.68	1.52	1.35	1.18	1.10
549-C3292-10.000	C3292-10.000	10.000	±50ppm @ 0° to 70°C	1.60	1.48	1.34	1.21	1.07	.94	.87
549-C3292-16.0000	C3292-16.0000	16.000	±50ppm @ 0° to 70°C	1.60	1.48	1.34	1.21	1.07	.94	.87
549-C3292-20.480	C3292-20.480	20.480	±50ppm @ 0° to 70°C	1.60	1.48	1.34	1.21	1.07	.94	.87
549-C3292-32.768	C3292-32.768	32.768	±50ppm @ 0° to 70°C	1.60	1.48	1.34	1.21	1.07	.94	.87
549-C3292-40.000	C3292-40.000	40.000	±50ppm @ 0° to 70°C	1.60	1.48	1.34	1.21	1.07	.94	.87
549-C3292-49.152	C3292-49.152	49.152	±50ppm @ 0° to 70°C	1.60	1.48	1.34	1.21	1.07	.94	.87
549-C3292-50.000	C3292-50.000	50.000	±50ppm @ 0° to 70°C	1.60	1.48	1.34	1.21	1.07	.94	.87
549-C3291-1.544	C3291-1.544	1.544	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3291-2.048	C3291-2.048	2.048	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.25
549-C3291-24.704	C3291-24.704	24.704	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.25
549-C3291-25.000	C3291-25.000	25.000	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.25
549-C3291-49.152	C3291-49.152	49.152	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.25
549-C3291-50.000	C3291-50.000	50.000	±25ppm @ 0° to 70°C	2.98	2.76	2.04	1.85	1.55	1.28	1.25
549-C3390-3.686400	C3390-3.686400	3.6864	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.79
549-C3390-7.372800	C3390-7.372800	7.3728	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.79
549-C3390-20.000	C3390-20.000	20.000	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.79
549-C3390-25.000	C3390-25.000	25.000	±100ppm @ 0° to 70°C	1.93	1.80	1.35	1.20	.98	.90	.79
549-C3390-75.000	C3390-75.000	75.000	±100ppm @ 0° to 70°C	1.80	1.65	1.50	1.35	1.20	1.05	.98
549-C3390-80.000	C3390-80.000	80.000	±100ppm @ 0° to 70°C	1.80	1.65	1.50	1.35	1.20	1.05	.98
549-C3392-1.544	C3392-1.544	1.544	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-2.048	C3392-2.048	2.048	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-4.096	C3392-4.096	4.096	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-8.064	C3392-8.064	8.064	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-8.192	C3392-8.192	8.192	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-10.000	C3392-10.000	10.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-12.288	C3392-12.288	12.288	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-12.352	C3392-12.352	12.352	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-16.0000	C3392-16.0000	16.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-16.384	C3392-16.384	16.384	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-19.440	C3392-19.440	19.440	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-20.000	C3392-20.000	20.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-24.576	C3392-24.576	24.576	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-24.704	C3392-24.704	24.704	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-25.000	C3392-25.000	25.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-32.768	C3392-32.768	32.768	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-34.368	C3392-34.368	34.368	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-35.328	C3392-35.328	35.328	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-40.000	C3392-40.000	40.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-44.736	C3392-44.736	44.736	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-50.000	C3392-50.000	50.000	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-51.840	C3392-51.840	51.840	±50ppm @ 0° to 70°C	1.97	1.68	1.48	1.40	1.18	1.08	.99
549-C3392-66.000	C3392-66.000	66.000	±50ppm @ 0° to 70°C	2.13	1.83	1.60	1.52	1.28	1.17	1.07
549-C3392-75.000	C3392-75.000	75.000	±50ppm @ 0° to 70°C	2.37	2.03	1.78	1.69	1.42	1.30	1.19
549-C3392-80.000	C3392-80.000	80.000	±50ppm @ 0° to 70°C	2.37	2.03	1.78	1.69	1.42	1.30	1.19
549-C3392-100.000	C3392-100.000	100.000	±50ppm @ 0° to 70°C	3.83	3.63	3.37	3.06	2.75	2.60	2.45
549-C3392-106.250	C3392-106.250	106.250	±50ppm @ 0° to 70°C	3.83	3.63	3.37	3.06	2.75	2.60	2.45
549-C3392-125.000	C3392-125.000	125.000	±50ppm @ 0° to 70°C	4.53	4.30	3.98	3.62	3.26	3.08	2.90
549-C3392-133.000	C3392-133.000	133.000	±50ppm @ 0° to 70°C	6.35	6.03	5.59	5.08	4.57	4.32	4.06
549-C3392-156.250	C3392-156.250	156.250	±50ppm @ 0° to 70°C	13.16	12.10	10.99	9.92	8.81	7.70	7.16
549-C3391-1.544	C3391-1.544	1.544	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-2.048	C3391-2.048	2.048	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-4.096	C3391-4.096	4.096	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-8.064	C3391-8.064	8.064	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-8.192	C3391-8.192	8.192	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-10.000	C3391-10.000	10.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-12.288	C3391-12.288	12.288	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-12.352	C3391-12.352	12.352	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-16.000	C3391-16.000	16.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-16.384	C3391-16.384	16.384	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-19.440	C3391-19.440	19.440	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-20.000	C3391-20.000	20.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-24.576	C3391-24.576	24.576	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-24.704	C3391-24.704	24.704	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-25.000	C3391-25.000	25.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-32.768	C3391-32.768	32.768	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-34.368	C3391-34.368	34.368	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-35.328	C3391-35.328	35.328	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-44.736	C3391-44.736	44.736	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-45.000	C3391-45.000	45.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-49.152	C3391-49.152	49.152	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-50.000	C3391-50.000	50.000	±25ppm @ 0° to 70°C	2.31	2.13	1.93	1.74	1.55	1.35	1.26
549-C3391-51.840	C3391-51.840	51.840	±25ppm @ 0° to 70°C	2.72	2.50	2.27	2.05	1.82	1.59	1.48
549-C3391-66.000	C3391-66.000	66.000	±25ppm @ 0° to 70°C	2.80	2.58	2.34	2.11	1.87	1.64	1.52
549-C3391-75.000	C3391-75.000	75.000	±25ppm @ 0° to 70°C	3.02	2.78	2.52	2.28	2.02	1.76	1.64
549-C3391-80.000	C3391-80.000	80.000	±25ppm @ 0° to 70°C	3.62	3.33	3.02	2.73	2.42	2.11	1.97
549-C3391-100.000	C3391-100.000	100.000	±25ppm @ 0° to 70°C	6.26	5.75	5.22	4.72	4.19	3.66	3.40
549-C3391-106.250	C3391-106.250	106.250	±25ppm @ 0° to 70°C	6.26	5.75	5.22	4.72	4.19	3.66	3.40
549-C3391-125.000	C3391-125.000	125.000	±25ppm @ 0° to 70°C	6.39	5.88	5.33	4.82	4.28	3.74	3.48
549-C3391-133.000	C3391-133.000	133.000	±25ppm @ 0° to 70°C	10.12	9.30	8.44	7.63	6.77	5.91	5.51
549-C3391-156.250	C3391-156.250	156.250	±25ppm @ 0° to 70°C	15.10	13.88	12.60	11.38	10.10	8.82	8.21

CRYSTEK SMD Voltage Controlled Oscillators

RoHS Compliant **This page of product is compliant.**

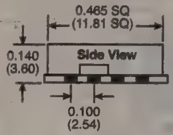
CVCO55 SERIES VCO, 0.5" X 0.5" SMD

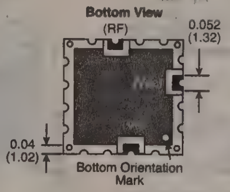
The CVCO55 is an industry standard VCO package designed to meet the requirements for a variety of applications. With frequencies ranging from 50MHz to 5.8GHz, our CVCO55 family is our largest of VCO product line. We offer bandwidths as wide as an octave, very low phase noise and low Harmonic Suppression.

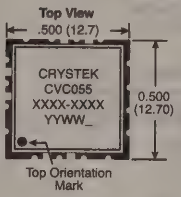
Applications:

- Digital Radio Equipment
- Fixed Wireless Access
- Satellite Communication System
- Base Stations

RoHS Compliant







Pad	Connection
2	Vt
10	RF-Output
14	Vcc
Others	Ground

DIMENSIONS: In. (mm)

(Other frequency ranges available. Please contact your Mouser representative for more information.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Frequency (MHz)	Phase Noise @ 10KHz Typ (dBc/Hz)	Tuning Voltage (Vdc)	Tuning Sensitivity (MHz/V)	Harmonics (dBc)	Power (dBc)	VCC (Vdc)	Icc, Mas (mA)	Price Each		
										1	5	10
549-CV55CL45-70	CVCO55CL-0045-0070	45 to 70	-115	0.5 to 10.5	4	-10	5.0±3.0	5.0±0.25	15	27.63	24.31	22.10
549-CV55CW140-250	CVCO55CW-0140-0250	140 to 250	-100	0.5 to 10	10	-14	3.0±2.0	5.0±0.25	15	30.38	26.73	24.30
549-CV55CL180-200	CVCO55CL-0180-0200	180 to 200	-106	0.5 to 4.5	8	-10	2.0±2.0	5.0±0.25	15	27.63	24.31	22.10
549-CV55CL184-190	CVCO55CL-0184-0190	184 to 190	-110	0 to 5	3	-20	0.0±3.0	5.0±0.25	15	27.63	24.31	22.10
549-CV55CL225-425	CVCO55CL-0225-0425	225 to 425	-112	0.5 to 6.5	50	-15	-10.0±3.0	7.0±0.25	15	27.63	24.31	22.10
549-CV55CL350-405	CVCO55CL-0350-0405	350 to 405	-110	0.5 to 5	39	-3	7.25±2.75	5.0±0.25	15	27.63	24.31	22.10
549-CV55CW250-450	CVCO55CW-0250-0450	250 to 450	-106	0.5 to 4.5	50	-15	0.0±3.0	5.0±0.25	12	30.38	26.73	24.30
549-CV55CW250-500	CVCO55CW-0250-0500	250 to 500	-105	0.5 to 19	15	-17	10.0±3.0	15.0±0.25	25	30.38	26.73	24.30
549-CV55CL260-285	CVCO55CL-0260-0285	260 to 285	-110	0.5 to 4.5	20	-15	4.75±3.75	4.5±0.25	25	27.63	24.31	22.10
549-CV55CL393-428	CVCO55CL-0393-0428	393 to 428	-110	0.5 to 4.5	15	-12	3.0±3.0	5.0±0.25	8	27.63	24.31	22.10
549-CV55CL467-493	CVCO55CL-0467-0493	467 to 493	-96	0.5 to 4.5	15	-12	3.0±3.0	5.0±0.25	15	27.63	24.31	22.10
549-CV55CL470-520	CVCO55CL-0470-0520	470 to 520	-109	0.5 to 4.5	24	-7	1.0±2.0	2.0±0.10	10	27.63	24.31	22.10
549-CV55CL490-540	CVCO55CL-0490-0540	490 to 540	-108	0.5 to 4.5	31	-12	3.0±3.0	5.0±0.25	15	27.63	24.31	22.10
549-CV55CW500-1000	CVCO55CW-0500-1000	500 to 1000	-96	0.5 to 20.0	60	-10	8.5±3.5	12.0±0.60	20	30.88	27.17	24.70
549-CV55CL600-880	CVCO55CL-0600-0880	600 to 880	-102	0.5 to 4.5	60	-10	3.0±3.0	5.0±0.25	20	28.75	25.30	23.00
549-CV55CL640-690	CVCO55CL-0640-0690	640 to 690	-100	0.5 to 4.5	30	-12	6.5±1.5	5.0±00.25	25	28.75	25.30	23.00
549-CV55CL805-900	CVCO55CL-0805-0900	805 to 900	-115	0.5 to 5	30	-15	3.0±3.0	5.0±00.25	20	28.75	25.30	23.00
549-CV55CT902-928	CVCO55CT-0902-0928	902 to 928	-110	0.3 to 4.7	8	-15	12.0±2.0	12.0±0.25	20	29.38	25.85	23.50
549-CV55CL0920-0980	CVCO55CL-0920-0980	920 to 980	-105	1.0 to 5.0	30	-12	5.0±2.0	5.0±0.25	35	28.75	25.30	23.00
549-CV55CLS954-980	CVCO55CLS-0954-0980	954 to 980	-100	0.5 to 2.5	33	-10	0.0±3.0	3.0±0.15	8	30.75	27.06	24.60
549-CV55BE960-1200	CVCO55BE-0960-1200	960 to 1200	-96	0.5 to 4.5	150	-10	3.0±3.0	3.0±0.15	8	27.75	24.42	22.20
549-CV55BE1000-1500	CVCO55BE-1000-1500	1000 to 1500	-96	0.5 to 4.6	151	-15	3.0±3.0	3.0±0.15	10	29.50	25.96	23.60
549-CV55BE1000-2000	CVCO55BE-1000-2000	1000 to 2000	-90	0.5 to 10	130	-15	3.0±3.0	10.0±0.50	20	29.50	25.96	23.60
549-CV55CL1188-1212	CVCO55CL-1188-1212	1188 to 1212	-103	0 to 8	15	-20	8.0±2.0	12.0±0.25	20	29.38	25.85	23.50
549-CV55CL1256-1264	CVCO55CL-1256-1264	1256 to 1264	-112	0.5 to 4.5	15	-15	5.0±2.0	5.0±0.25	20	29.38	25.85	23.50
549-CV55BE1350-1400	CVCO55BE-1350-1400	1350 to 1400	-100	0.5 to 4.5	20	-15	7.0±5.0	5.0±0.25	20	29.50	25.96	23.60
549-CV55BE1480-1600	CVCO55BE-1480-1600	1480 to 1600	-99	0.5 to 4.5	65	-12	6.5±1.5	5.0±0.25	30	29.50	25.96	23.60
549-CV55BE1530-2700	CVCO55BE-1530-2700	1530 to 2700	-87	0.5 to 10	100	-10	6.5±1.5	5.0±0.25	30	29.50	25.96	23.60
549-CV55BE1550-1650	CVCO55BE-1550-1650	1550 to 1650	-102	0.5 to 4.5	45	-15	2.0±2.0	5.0±0.25	20	29.50	25.96	23.60
549-CV55BE1630-1665	CVCO55BE-1630-1665	1630 to 1665	-102	0.5 to 4.5	45	-20	4.0±2.0	5.0±0.25	15	29.50	25.96	23.60
549-CV55BE1600-1850	CVCO55BE-1600-1850	1600 to 1850	-103	0.25 to 4.75	65	-20	1.5±3.5	4.5±0.25	25	29.50	25.96	23.60
549-CV55BE1650-2050	CVCO55BE-1650-2050	1650 to 2050	-105	0 to 20	25	-15	-2.5±2.5	8.0±0.40	28	29.50	25.96	23.60
549-CV55BE1658-1662	CVCO55BE-1658-1662	1658 to 1662	-104	0.5 to 2	20	-15	6.0±2.0	8.0±0.25	35	29.50	25.96	23.60
549-CV55BE1680-1740	CVCO55BE-1680-1740	1680 to 1740	-103	0.5 to 4.5	70	-15	3.0±3.0	5.0±0.25	15	29.50	25.96	23.60
549-CV55BE1690-2062	CVCO55BE-1690-2062	1690 to 2062	-93	0 to 5	145	-15	5.0±2.0	5.0±0.25	20	29.50	25.96	23.60
549-CV55BE1750-1810	CVCO55BE-1750-1810	1750 to 1810	-103	0.5 to 4.5	70	-15	5.0±2.0	5.0±0.25	15	29.50	25.96	23.60
549-CV55BE1800-2200	CVCO55BE-1800-2200	1800 to 2200	-100	0.5 to 18	57	-15	-3.0±3.0	10.0±0.50	25	29.50	25.96	23.60
549-CV55BE1848-1852	CVCO55BE-1848-1852	1848 to 1852	-104	0.5 to 2	20	-15	6.0±2.0	8.0±0.25	35	29.50	25.96	23.60
549-CV55BE1950-2070	CVCO55BE-1950-2070	1950 to 2070	-102	0.5 to 4.5	40	-20	4.0±2.0	5.0±0.25	18	29.50	25.96	23.60
549-CV55BE1950-2150	CVCO55BE-1950-2150	1950 to 2150	-96	0.5 to 4.5	40	-15	5.0±2.0	4.5±0.25	25	29.50	25.96	23.60
549-CV55BE2000-2800	CVCO55BE-2000-2800	2000 to 2800	-94	1 to 24	5	-15	0.5±5.5	5.0±0.25	25	29.50	25.96	23.60
549-CV55BE2050-2474	CVCO55BE-2050-2474	2050 to 2474	-103	0 to 16	30	-15	-2.5±2.5	8.0±0.40	28	30.75	27.06	24.60
549-CV55BE2100-2200	CVCO55BE-2100-2200	2100 to 2200	-99	0.5 to 4.5	50	-12	6.5±1.5	5.0±0.25	30	30.75	27.06	24.60
549-CV55BE2110-2170	CVCO55BE-2110-2170	2110 to 2170	-105	0.5 to 4.5	40	-10	3.0±3.0	5.0±0.25	20	30.75	27.06	24.60
549-CV55BE2130-2220	CVCO55BE-2130-2220	2130 to 2220	-101	0.5 to 4.5	35	-12	0.0±2.0	5.0±0.25	25	30.75	27.06	24.60
549-CV55BE2130-2360	CVCO55BE-2130-2360	2130 to 2360	-103	0.5 to 4.5	25	-12	0.0±2.0	5.0±0.25	25	30.75	27.06	24.60
549-CV55BE2200-2570	CVCO55BE-2200-2570	2200 to 2570	-101	1 to 17	46	-15	0.0±3.0	5.0±0.25	35	30.75	27.06	24.60
549-CV55BE2270-2330	CVCO55BE-2270-2330	2270 to 2330	-103	1 to 5	30	-12	5.0±2.0	5.0±0.25	35	30.75	27.06	24.60
549-CV55BE2270-3180	CVCO55BE-2270-3180	2270 to 3180	-85	1 to 20	50	-12	5.0±2.0	5.0±0.25	35	30.75	27.06	24.60
549-CV55BE2300-2360	CVCO55BE-2300-2360	2300 to 2360	-101	0.5 to 4.5	25	-12	0.0±2.0	5.0±0.25	25	30.75	27.06	24.60
549-CV55BE2300-2500	CVCO55BE-2300-2500	2300 to 2500	-103	2 to 10	30	-12	6.0±3.0	8.0±0.40	29	30.75	27.06	24.60
549-CV55BE2400-2670	CVCO55BE-2400-2670	2400 to 2670	-102	1 to 17	35	-15	2.0±2.0	5.0±0.25	38	30.75	27.06	24.60
549-CV55BE2425-2820	CVCO55BE-2425-2820	2425 to 2820	-100	0.5 to 18	28	-10	0.0±2.5	8.0±0.40	35	30.75	27.06	24.60
549-CV55BE2430-2585	CVCO55BE-2430-2585	2430 to 2585	-99	0.2 to 4.8	38	-16	2.0±2.0	5.0±0.25	15	30.75	27.06	24.60
549-CV55BE2475-2900	CVCO55BE2475-2900	2475 to 2900	-100	0 to 16	30	-15	-2.5±2.5	8.0±0.40	28	30.75	27.06	24.60
549-CV55BE2560-3200	CVCO55BE-2560-3200	2560 to 3200	-90	1 to 10	110	-20	6.0±3.0	10.0±0.50	25	33.00	29.04	26.40
549-CV55BE2560-2920	CVCO55BE-2560-2920	2560 to 2920	-102	0 to 18	28	-10	0.0±3.0	8.0±0.40	35	33.00	29.04	26.40
549-CV55BE2600-3100	CVCO55BE-2600-3100	2600 to 3100	-90	1 to 10	110	-20	6.0±3.0	10.0±0.50	25	33.00	29.04	26.40
549-CV55BE2620-2910	CVCO55BE-2620-2910	2620 to 2910	-100	1 to 17	35	-15	2.0±2.0	5.0±0.25	38	33.00	29.04	26.40
549-CV55BE2650-2700	CVCO55BE-2650-2700	2650 to 2700	-105	2 to 7	20	-10	6.0±2.0	8.0±0.40	25	33.00	29.04	26.40
549-CV55BE2650-2800	CVCO55BE-2650-2800	2650 to 2800	-102	0.5 to 4.5	40	-15	0.0±3.0	5.0±0.25	35	33.00	29.04	26.40
549-CV55BE2675-2950	CVCO55BE-2675-2950	2675 to 2950	-100	1 to 17	35	-15	2.0±2.0	5.0±0.25	38	33.00	29.04	26.40
549-CV55BE2700-3275	CVCO55BE-2700-3275	2700 to 3275	-95	1 to 15	75	-22	5.0±2.0	5.0±0.25	25	33.00	29.04	26.40
549-CV55BE2732-3120	CVCO55BE-2732-3120	2732 to 3120	-101	0.5 to 18	30	-10	0.0±3.0	8.0±0.40	35	33.00	29.04	26.40
549-CV55BE2865-3100	CVCO55BE-2865-3100	2865 to 3100	-90	0.5 to 4.5	110	-15	1.0±3.0	5.0±0.25	20	33.00	29.04	26.40
549-CV55BE2900-3100	CVCO55BE-2900-3100	2900 to 3100	-98	1 to 17	35	-15	2.0±2.0	5.0±0.25	38	33.00	29.04	26.40
549-CV55BE2900-3273	CVCO55BE-2900-3273	2900 to 3273	-100	0.5 to 18	28	-10	0.0±3.0	8.0±0.34	35	33.00	29.04	26.40
549-CV55BE2900-3300	CVCO55BE-2900-3300	2900 to 3300	-95	0 to 16	30	-15	-2.5±2.5	8.0±0.40	28	33.00	29.04	26.40
549-CV55BE2974-3274	CVCO55BE-2974-3274	2974 to 3274	-99	0.5 to 4.5	100	-15	5.0±3.0	5.0±0.25	27	33.00	29.04	26.40
549-CV55BE3000-3100	CVCO55BE-3000-3100	3000 to 3100	-101	0.5 to 11.5	23	-15	5.0±3.0	5.0±0.25	25	33.75	29.70	27.00
549-CV55BES3020-3265	CVCO55BES-3020-3265	3020 to 3265	-98	0.5 to 11.5	30	-15	4.0±6.0	6.8±0.40	25	34.00	30.00	27.25
549-CV55BE3050-3400	CVCO55BE-3050-3400	3050 to 3400	-95	1 to 17	46	-15	2.5±2.5	5.0±0.25	25	33.75	29.70	27.00
549-CV55BE3070-3325	CVCO55BE-3070-3325	3070 to 3325	-95	1 to 15	36	-15	0.0±2.0	5.0±0.25	38	33.75	29.70	27.00
549-CV55BE3100-3350	CVCO55BE-3100-3350	3100 to 3350	-98	0.5 to 4.5	30	-15	4.0±6.0	5.0±0.25	40	33.75	29.70	27.00
549-CV55BE3130-3230	CVCO55BE-3130-3230	3130 to 3230	-98	0.5 to 4.5	40	-15	0.0±3.0	5.0±0.25	25	33.75	29.70	27.00
549-CV55BE3206-3306	CVCO55BE-3206-3306	3206 to 3306	-97	0.5 to 4.5	40	-15	0.0±3.0	5.0±0.25	25	33.75	29.70	27.00
549-CV55BE3245-3500	CVCO55BE-3245-3500	3245 to 3500	-95	1 to 15	36	-15	0.0±2.0	5.0±0.25	38	33.75	29.70	27.00
549-CV55BH3600-3800	CVCO55BH-3600-3800	3600 to 3800	-92	0.5 to 4.5	100	-15	4.0±2.0	5.0±0.25	15	39.88	35.09	31.90
549-CV55BH4100-4300	CVCO55BH-4100-4300	4100 to 4300	-90	0.5 to 4.5	100	-15	3.0±2.0	5.0±0.25	15	39.88	35.09	31.90
549-CV55BH5256-5356	CVCO55BH-5256-5356	5256 to 5356	-86	1.0 to 4.0	56	-10	0.0±2.0	5.0±0.25	30	41.00	36.08	32.80
549-CV55BH5450-5550	CVCO55BH-5450-5550	5450 to 5550	-85	0.5 to 4.5	50	-10	1.5±1.5	5.0±0.25	30	41.00	36.08	32.80

CRYSTEK High Performance Oscillators

CRYSTEK CORPORATION

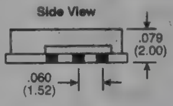
RoHS Compliant This page of product is compliant.

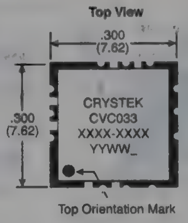
CVC033 SERIES VOLTAGE CONTROLLED OSCILLATORS 0.3" X 0.3" SMD

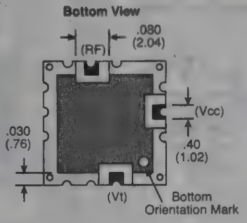
DIMENSIONS: In. (mm)

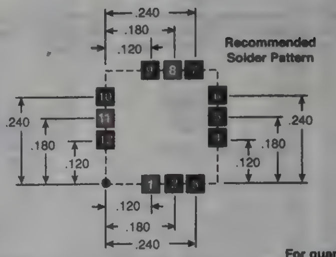
The CVCO33 is an industry standard VCO package designed to meet the requirements for a variety of applications. It's small size does not sacrifice performance. Our CVCO33 family ranges in frequency from 50MHz to 2.0GHz We offer very low phase noise and low Harmonic Suppression.

Applications:
- Portable Radios
- Base Stations
- Test Instruments


Side View
.079
(2.00)
.060
(1.52)


Top View
.300
(7.62)
.300
(7.62)
CRYSTEK
CVC033
XXXX-XXXX
YYWW_
Top Orientation Mark


Bottom View
.080
(2.04)
(RF)
(Vcc)
.030
(.76)
.40
(1.02)
(Vt)
Bottom
Orientation Mark


.240
.180
.120
Recommended
Solder Pattern
9
8
7
10
11
12
6
5
4
1
2
3
.240
.180
.120
.240
.180
.120
.120
.180
.240

RoHS Compliant

Pad	Connection
1	Vt
8	RF-Output
11	Vcc
Others	Ground

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Frequency (MHz)	Phase Noise @ 10KHz Typ (dBc/Hz)	Tuning Voltage (Vdc)	Tuning Sensitivity (MHz/V)	Harmonics (dBc)	Power (dBc)	VCC (Vdc)	Icc, Mas (mA)	Price Each		
										1	5	10
549-CV33CL110-150	CVCO33CL-0110-0150	110 to 150	-112	0 to 5.0	11	-10	3.0±3.0	5.0±0.25	10	26.25	23.10	21.00
549-CV33CL125-200	CVCO33CL-0125-0200	125 to 200	-100	0.7 to 8.3	12	-15	6.0±3.0	5.0±0.25	30	26.25	23.10	21.00
549-CV33CL204-206	CVCO33CL-0204-0206	204 to 206	-112	1.0 to 4.0	11	-12	-1.0±3.0	5.0±0.25	15	26.25	23.10	21.00
549-CV33CL390-410	CVCO33CL-0390-0410	390 to 410	-105	0.5 to 4.5	12	-15	3.0±3.0	5.0±0.25	15	26.25	23.10	21.00
549-CV33CL415-435	CVCO33CL-0415-0435	415 to 435	-103	0.5 to 4.5	12	-15	3.0±3.0	5.0±0.25	15	26.75	23.54	21.40
549-CV33CL435-470	CVCO33CL-0435-0470	435 to 470	-103	0.5 to 4.5	10	-10	3.0±3.0	5.0±0.25	15	26.75	23.54	21.40
549-CV33CL559-561	CVCO33CL-0559-0561	559 to 561	-95	0.5 to 4.5	12	-15	4.0±2.0	4.0±0.25	15	26.75	23.54	21.40
549-CV33CL750-770	CVCO33CL-0750-0770	750 to 770	-103	0.5 to 2.5	30	-15	4.5±3.0	2.7±0.25	11	26.75	23.54	21.40

TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS (TCXO)

Features:
- Tight Stability at ±1.0 PPM (parts per million)
- Low Phase Noise

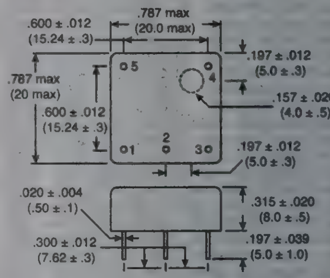
Output:
- HCMOS
- Symmetry: 40/60% max @ (Vdd)/2
- Load: 15 pF

Specifications:
- Frequency: 10.000MHz
- Frequency Stability: ±1.0 PPM @-10°C to +60°C
- Supply Voltage: 5V±0.5V
- Supply Current: 20mA max.
- Phase Noise: -135dBc/Hz @ 10KHz Offset

RoHS Compliant

DIMENSIONS: In. (mm)

Pad	Connection
1	Supply Voltage
2	RF Output
3	Case Ground
4	Case Ground
5	Case Ground


.787 max
(20.0 max)
.600 ± .012
(15.24 ± .3)
.197 ± .012
(5.0 ± .3)
.787 max
(20 max)
.600 ± .012
(15.24 ± .3)
.157 ± .020
(4.0 ± .5)
5
4
1
2
3
.197 ± .012
(5.0 ± .3)
.020 ± .004
(.50 ± .1)
.315 ± .020
(8.0 ± .5)
.300 ± .012
(7.62 ± .3)
.197 ± .039
(5.0 ± 1.0)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Freq. (MHz)	Price Each			
				1	5	10	25
549-CXOH20-BP-10	CXOH20-BP-10.000	20 x 20mm thru-hole	10.000	46.16	44.62	43.08	41.54

CVT32 SERIES, 3.2 X 5MM SMD - TXCO WITH VOLTAGE CONTROL

Specifications:
- Frequency Range: 12.8-30MHz
- Input Voltage: 3.0V±10%
- Input Current: 1.2mA typ., 2mA max.
- Low Phase Noise Floor @ -140dBc/Hz
- Calibration Tolerance: ±1.5ppm
- Stability: ±2.5ppm @ -20°C to +80°C
- Aging: 1 ppm max./year

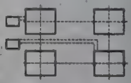
Output:
- Clipped Sinewave
- Load: 6-15KΩ / 2-10pF
- Harmonics: -12dBc max.

Voltage Control:
- 1.5V±1.0V
- Vcont Trim: ±4ppm min,, ±12ppm max.

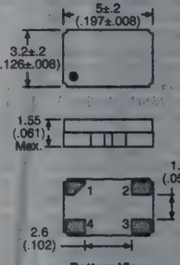
RoHS Compliant

DIMENSIONS: mm (in.)

Pad	Connection	Pad	Connection
1	Volt. Cont.	3	OUT
2	GND	4	Vdd



Suggested Pad Layout


5±.2
(.197±.008)
3.2±.2
(.126±.008)
1.55
(.061)
Max.
1.4
(.055)
1
2
4
3
2.6
(.102)

Bottom View

Note: Other TCXO (Temperature Compensated Crystal Oscillators) and TCVCXO (Temperature Compensated Voltage Controlled Crystal Oscillators) available. Please contact your Mouser representative for more information.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Frequency (MHz)	Price Each				
				1	10	25	100	500
549-CVT-10	CVT32-10.000	3.2x5mm SMD	10.000	8.10	7.29	7.02	5.40	4.05
549-CVT-20	CVT32-20.000	3.2x5mm SMD	20.000	8.10	7.29	7.02	5.40	4.05

CVT25 SERIES, 2.5 X 3.2MM SMD - TXCO ULTRA MINIATURE WITH VOLTAGE TRIM

Specifications:
- Frequency Range: 13.0 to 38.4MHz
- Input Voltage: 3V±5%
- Input Current: 1.2mA Typ., 2mA Max
- Phase Noise: -110dBc/Hz Max 100Hz offset
  -130dBc/Hz Max 1KHz offset
- Calibration Tolerance: ±1.5ppm
- Frequency Stability: ±2.5ppm
- Aging: 1 ppm max./year

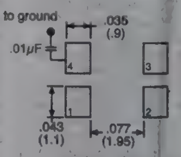
Output:
- Clipped Sinewave
- Load: 6-15KΩ / 2-10pF
- Harmonics: -12dBc max.

Voltage Control:
- 1.5V±1.0V
- Vcont Trim: ±8ppm min

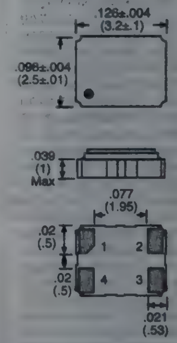
RoHS Compliant

DIMENSIONS: In. (mm)

Pad	Connection	Pad	Connection
1	Volt. Cont.	3	OUT
2	GND	4	Vdd


to ground
.035
(.9)
.01μF
4
3
1
2
.043
(1.1)
.077
(1.95)

Suggested Pad Layout


.126±.004
(3.2±.1)
.098±.004
(2.5±.01)
.039
(1)
Max
.077
(1.95)
.02
(.5)
1
2
.02
(.5)
4
3
.021
(.53)

Note: Other TCXO (Temperature Compensated Crystal Oscillators) and TCVCXO (Temperature Compensated Voltage Controlled Crystal Oscillators) available. Please contact your Mouser representative for more information.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Frequency (MHz)	Price Each				
				1	10	25	100	500
549-CVT25-13	CVT25-13.000	2.5 X 3.2mm	13.0000	8.34	8.06	7.51	5.00	4.45
549-CVT25-14	CVT25-14.400	2.5 X 3.2mm	14.4000	8.34	8.06	7.51	5.00	4.45
549-CVT25-16.3574	CVT25-16.357400	2.5 X 3.2mm	16.3574	8.34	8.06	7.51	5.00	4.45
549-CVT25-16.368	CVT25-16.368	2.5 X 3.2mm	16.3680	8.34	8.06	7.51	5.00	4.45
549-CVT25-19.2	CVT25-19.200	2.5 X 3.2mm	19.2000	8.34	8.06	7.51	5.00	4.45
549-CVT25-24.576	CVT25-24.576	2.5 X 3.2mm	24.5760	8.34	8.06	7.51	5.00	4.45
549-CVT25-26	CVT25-26.000	2.5 X 3.2mm	26.0000	8.34	8.06	7.51	5.00	4.45
549-CVT25-33.6	CVT25-33.600	2.5 X 3.2mm	33.6000	8.34	8.06	7.51	5.00	4.45
549-CVT25-38.4	CVT25-38.400	2.5 X 3.2mm	38.4000	8.34	8.06	7.51	5.00	4.45

CRYSTEK High Performance RF Oscillators

CVS575 SERIES, VOLTAGE CONTROLLED SAW OSCILLATOR 7.5 X 5mm SMD

Other synergistic and related products available including Semiconductors, and Receivers/Transceivers.
Custom designs available also, ask your Mouser representative.

Wireless Technologies supported:

Bluetooth	ISM Band	WiMAX
CDMA2000	RFID	Wi-Fi
GSM	UMTS/3G	ZigBee
InfrRed (IR)	UWB	

Features:
- SAW Resonator Technology
- Low Phase Noise
- Low Jitter

Output:
- LVPELL
- Symmetry: 45/55% max @ (Vdd)/2
- Pullability APR: +/-50ppm min.
- Linearity: 20% max
- No Sub-Harmonics

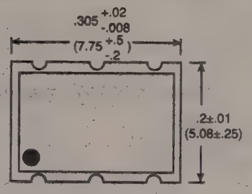
Specifications:
- 315MHz to 1GHz Available Freq. Range
- 5x7.5mm SMD Package
- Complementary LVPECL Output
- +3.3V Supply
- Ultra-Low Jitter <0.20 pSec RMS (50KHz to 80MHz)
- Ultra-Low Phase Noise -130dBc/Hz @ 10KHz offset
- CMOS Logic Enable/Disable

Applications:
- Frequency Translation
- Clock Smoothing (De-Jittering)
- SONET/SDH/ATM Networks
- OC-192
- General High Performance PLLs
- Test and Measurement

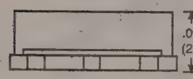
Output Phase Noise	
@1KHz offset	-108 dBc/Hz
@10KHz offset	-130 dBc/Hz
@100KHz offset	-138 dBc/Hz
@1MHz offset	-140 dBc/Hz
@10MHz offset	-142 dBc/Hz

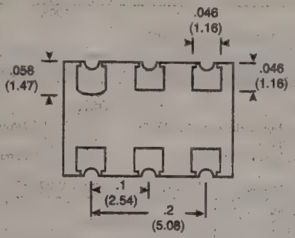
Industry Cross
Vatron VS-700

Pad	Connection
1	Voltage Cont.
2	E/D
3	Ground
4	OUT
5	COUT
6	Vdd

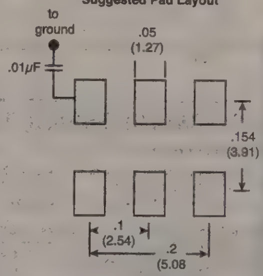


DIMENSIONS: in. (mm)





Suggested Pad Layout



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Freq. (MHz)	Price Each			
				1	5	10	25
549-CVS575-622.08	CVS575-622.080MHz	5 x 7mm SMD	622.08	59.63	58.00	54.80	51.57
549-CVS575-500	CVS575-500MHz	5 x 7mm SMD	500.00	59.63	58.00	54.80	51.57

CVCSO SERIES, VOLTAGE CONTROLLED SAW OSCILLATORS

True Sinewave

Other synergistic and related products available including Semiconductors, and Receivers/Transceivers.
Custom designs available also, ask your Mouser representative.

Wireless Technologies supported:

Bluetooth	ISM Band	WiMAX
CDMA2000	RFID	Wi-Fi
GSM	UMTS/3G	ZigBee
InfrRed (IR)	UWB	

Features:
- SAW Resonator Technology
- Low Phase Noise
- Low Jitter

Output:
- True SINEWAVE
- Symmetry: 45/55% max @ (Vdd)/2
- Pullability APR: ±50ppm min.
- Linearity: 20% max.
- No Sub-Harmonics

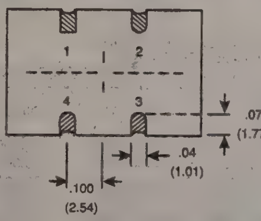
Specifications:
- Frequency: 1GHz
- Frequency Stability: ±200 ppm @0°C to +70°C
- Supply Voltage: 5V±0.25V
- Control Voltage: 2.5V±2.5V
- Supply Current: 25mA typ., 35mA max.
- Phase Noise: -135dBc/Hz @ 10KHz Offset
- Jitter: 1 psec RMS max.

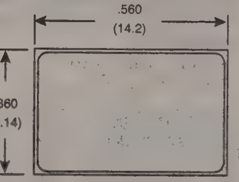
RoHS Compliant

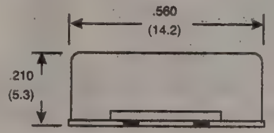
Phase Noise Typical	
1KHz	-108 dBc/Hz
10KHz	-135 dBc/Hz
100KHz	-145 dBc/Hz
1MHz	-155 dBc/Hz

Pad	Connection
1	Voltage Cont.
2	GND
3	OUT
4	Vdd.

Bottom View







DIMENSIONS: in. (mm)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Freq. (MHz)	Price Each			
				1	5	10	25
549-CVCSO-914	CVCSO-914-1000	9 x 14mm SMD	1000	149.32	137.08	125.41	116.66

OVEN CONTROLLED CRYSTAL OSCILLATORS (OCXO)

Other synergistic and related products available including Semiconductors, and Receivers/Transceivers.
Custom designs available also, ask your Mouser representative.

Wireless Technologies supported:

Bluetooth	ISM Band	WiMAX
CDMA2000	RFID	Wi-Fi
GSM	UMTS/3G	ZigBee
InfrRed (IR)	UWB	

Features:
- Tight Stability at ±200 ppb (parts per billion)
- Excellent Phase Noise
- AT-Cut Crystal
- Electronic Frequency Control (EFC)

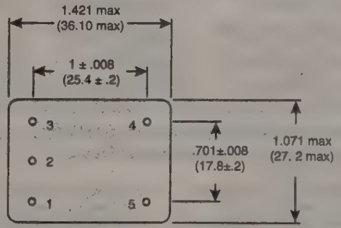
Output:
- HCMOS
- Symmetry: 45/55% max @ (Voh-Vol)/2
- Load: 15 pF

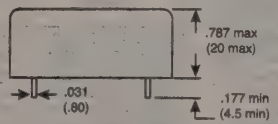
Specifications:
- Frequency: 10.000MHz
- Frequency Stability: ±200 ppb @-20°C to +80°C
- Supply Voltage: 15V±1.0V
- Supply Current: 300mA max warm-up,
  110mA Steady State
- Low Phase Noise: -152dBc/Hz @ 10KHz Offset

RoHS Compliant

DIMENSIONS: in. (mm)

Pad	Connection
1	Control Voltage
2	No Connect
3	Supply Voltage
4	RF Output
5	Case Ground



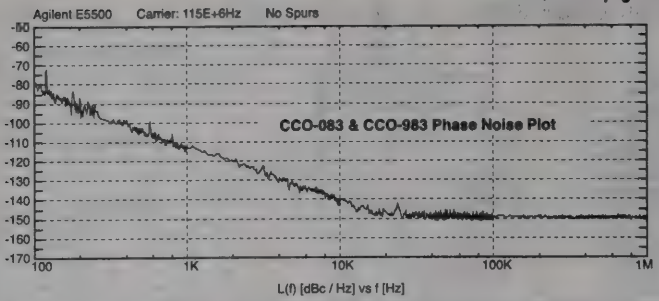


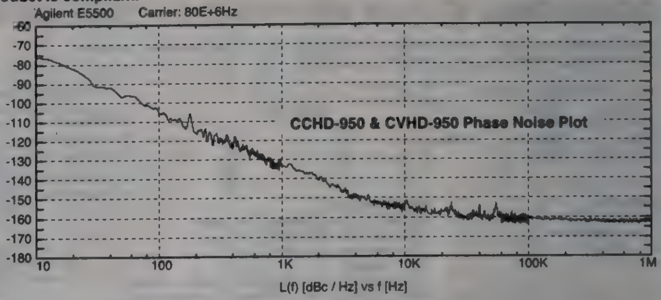
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Output	Voltage	Operating Freq. (MHz)	Price Each			
					1	5	10	25
549-CO27VH15DE-10	CO27VH15DE-02-10.000	HCMOS	15v±1V	10.000	259.86	256.20	252.54	248.88
549-CO27VS12DE-10	CO27VS12DE-02-10.000	Sine wave	12v±1.0V	10.000	259.86	256.20	252.54	248.88
549-CO27V05DE-10	CO27VS05D5-02-10.000	Sinewave	5v±.25v	10.000	259.86	256.20	252.54	248.88

CRYSTEK High End SMD Crystal Oscillators

RoHS Compliant **This page of product is compliant.**



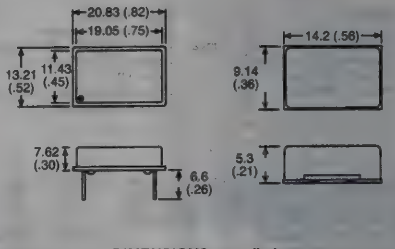


CCO-083/983 SERIES, TRUE SINEWAVE CLOCK OSCILLATORS

Specifications:
- Frequency Range: 10-330MHz
- Input Voltage: 3.3V±0.3V
- Input Current: <15mA max.
- Low Phase Noise Floor @ -150dBc/Hz (See Plot Above)
- Stability: ±25ppm @ 0 to 70°C

Output:
- TRUE SINEWAVE
- Load: 50Ω
- Power: 0 dBm min. into 50Ω
- Harmonics: -20dB max.
- No Sub-Harmonics

RoHS Compliant



DIMENSIONS: mm (in.)

Note: This Product is also available as a VCXO (Voltage Controlled Crystal Oscillator) CVXO-083/983.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Frequency (MHz)	Price Each		
				1	10	25
549-CCO-083-16	CCO-083-16.000	14 Pin DIP	16.000	36.68	33.01	29.34
549-CCO-083-100	CCO-083-100.000	14 Pin DIP	100.000	41.42	37.28	33.14
549-CCO-083-200	CCO-083-200.000	14 Pin DIP	200.000	45.70	41.13	36.56
549-CCO-983-100	CCO-983-100.000	9x14 SMD	100.000	58.30	52.47	46.64
549-CCO-983-200	CCO-983-200.000	9x14 SMD	200.000	59.88	53.89	47.90

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

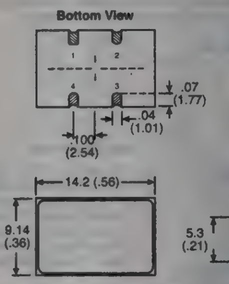
CCHD-950 SERIES, CMOS ULTRA LOW PHASE NOISE CLOCK OSCILLATORS, 9 X 14MM SMD

DIMENSIONS: mm (in.)

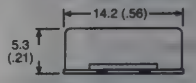
-162 dBc/Hz Phase Noise Floor

Specifications:
- Frequency Range: 50-125MHz
- Input Voltage: ±3.3V±0.3V
- Input Current: 15mA typ., 25mA max.
- Jitter: 0.5psec typ., 1psec RMS max.
- Stability: ±50ppm @ 0°C to 70°CC
- Low Phase Noise Floor @ -162dBc/Hz (See Plot Above)

Output:
- Symmetry: 45/55% max. @ 50% Vdd
- No Sub-Harmonics
- CMOS



RoHS Compliant



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Frequency	Operating Temperature	Price Each			
					1	10	50	100
549-CCHD-950-25-54	CCHD-950-25-54.000	9 x 14mm SMD	54.000	0°C to70°C	26.66	23.99	20.00	18.66
549-CCHD-950-25-60	CCHD-950-25-60.000	9 x 14mm SMD	60.000	0°C to 70°C	26.66	23.99	20.00	18.66
549-CCHD-950-25-70	CCHD-950-25-70.000	9 x 14mm SMD	70.000	0°C to 70°C	26.66	23.99	20.00	18.66
549-CCHD-950-25-74.2	CCHD-950-25-74.250	9 x 14mm SMD	74.250	0°C to 70°C	26.66	23.99	20.00	18.66
549-CCHD-950-25-74.1	CCHD-950-25-74.1758	9 x 14mm SMD	74.1758	0°C to 70°C	26.66	23.99	20.00	18.66
549-CCHD-950-25-80	CCHD-950-25-80.000	9 x 14mm SMD	80.000	0°C to 70°C	29.08	26.17	21.81	20.36
549-CCHD-950-50-80	CCHD-950-50-80.000	9 x 14mm SMD	80.000	0°C to 70°C	28.24	25.41	21.18	19.77
549-CCHD-950-25-100	CCHD-950-25-100.000	9 x 14mm SMD	100.000	0°C to 70°C	31.12	28.01	23.34	21.78
549-CCHD-950-50-100	CCHD-950-50-100.000	9 x 14mm SMD	100.000	0°C to 70°C	30.54	27.49	22.91	21.38

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

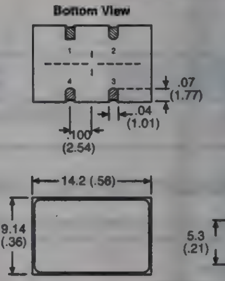
CVHD-950 SERIES, CMOS ULTRA LOW PHASE NOISE , VCXO, 9 X 14MM SMD

DIMENSIONS: mm (in.)

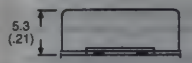
-162 dBc/Hz Phase Noise Floor

Specifications:
- Frequency Range: 50-125MHz
- Frequency Pulling: ±20ppm APR min.
- Input Voltage: 3.3V±0.3V
- Control Voltage: 1.65V±1.65V
- Input Current: 15mA typ., 25mA max.
- Low Phase Noise Floor @ -162dBc/Hz (See Plot Above)
- Jitter: 0.5psec typ., 1psec RMS max.

Output:
- CMOS
- Symmetry: 45/55% max. @ 50% Vdd
- Rise/Fall Time: 3nsec max. @ 20%-80% Vdd
- Linearity: ±10% max.
- No Sub-Harmonics



RoHS Compliant



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Operating Frequency (MHz)	Operating Temperature Range	Price Each			
					1	10	50	100
549-CVHD950-54	CVHD-950-54.000	9x14mm SMD	54.000	0°C to 70°C	26.80	24.12	20.10	18.76
549-CVHD950-74.1758	CVHD-950-74.1758	9x14mm SMD	74.1758	0°C to 70°C	27.40	24.66	20.55	19.18
549-CVHD950-74.25	CVHD-950-74.250	9x14mm SMD	74.250	0°C to 70°C	27.40	24.66	20.55	19.18
549-CVHD-950-80	CVHD-950-80.000	9x14mm SMD	80.000	0°C to 70°C	27.70	24.93	20.78	19.39
549-CVHD-950-100	CVHD-950-100.000	9x14mm SMD	100.000	0°C to 70°C	27.70	24.93	20.78	19.39

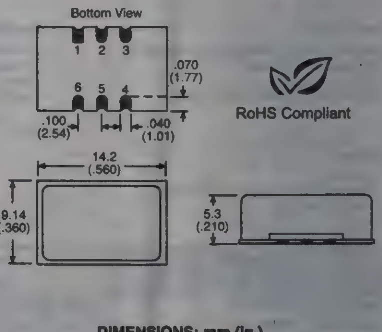
(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

CVPD 920/940/970 HFF SERIES, LVPECL, VCXO, 9 X 14MM SMD

High Frequency Fundamental Design

Specifications:
- Frequency Range: 50~670MHz
- Input Voltage: 3.3V±0.3V
- Control Voltage: 1.65V±1.65V
- Input Current: 88mA max
- Jitter: 1ps RMS max.
- Low phase noise, non PLL design

Output:
- Differential LVPECL
- Symmetry: 49/51% typ., 45/55% max.
- Rise/Fall Time: 550pS max. @ 20%
- Linearity: ±10% max.



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crystek Part No.	Package	Pullability APR	Operating Frequency (MHz)	Operating Temperature Range	Price Each			
						1	10	25	50
549-CVPD-920-61.44	CVPD-920-61.440	9x14mm SMD	±20ppm	61.440	0°C to 70°C	32.14	28.93	25.71	24.11
549-CVPD-920-74.17	CVPD-920-74.1758	9x14mm SMD	±20ppm	74.1758	0°C to 70°C	32.14	28.93	25.71	24.11
549-CVPD-920-74.25	CVPD-920-74.250	9x14mm SMD	±20ppm	74.250	0°C to 70°C	32.14	28.93	25.71	24.11
549-CVPD-920-80	CVPD-920-80.000	9x14mm SMD	±20ppm	80.000	0°C to 70°C	32.14	28.93	25.71	24.11
549-CVPD-920-100	CVPD-920-100.000	9x14mm SMD	±20ppm	100.000	0°C to 70°C	34.04	30.64	27.23	25.53
549-CVPD940-74.1758	CVPD-940-74.1758	9x14mm SMD	±50ppm	74.1758	0°C to 70°C	50.49	43.61	39.02	32.13
549-CVPD940-74.250	CVPD-940-74 250	9x14mm SMD	±50ppm	74.250	0°C to 70°C	50.49	43.61	39.02	32.13
549-CVPD940X77.76	CVPD-940X-77.760	9x14mm SMD	±50ppm	77.760	-40°C to +85°C	32.78	29.50	26.22	24.59
549-CVPD940X155.52	CVPD-940X-155.520	9x14mm SMD	±50ppm	155.520	-40°C to +85°C	34.86	31.37	27.89	26.15
549-CVPD940X156.25	CVPD-940X-156.250	9x14mm SMD	±50ppm	156.250	-40°C to +85°C	34.86	31.37	27.89	26.15
549-CVPD940X161.1328	CVPD-940X-161.1328	9x14mm SMD	±50ppm	161.1328	-40°C to +85°C	36.52	32.87	29.22	27.39
549-CVPD970X622.08	CVPD-970X-622.080	9x14mm SMD	±50ppm	622.080	-40°C to +85°C	78.24	70.42	62.59	58.68

DIMENSIONS: mm (in.)

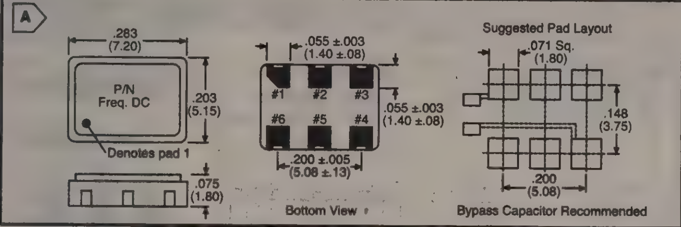
(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

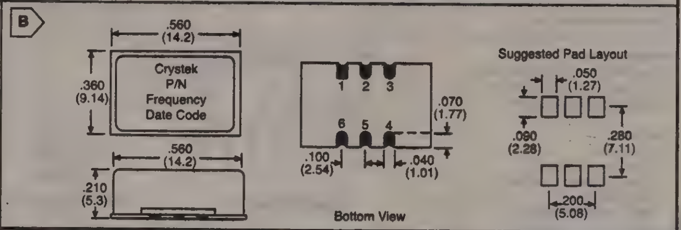
CRYSTEK Oscillators and VCXOs

CRYSTEK CORPORATION

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm





CCPD-033/034, LVPECL CLOCK OSCILLATORS, 5 X 7MM SMD

Specifications:
- Frequency Range: 77.760~311.040MHz
- Input Voltage: 3.3V ± 0.3V
- Input Current: 55mA Typ, 88mA Max
- Jitter: 1ps RMS Max
- Low phase noise, non PLL design

∗ Also available in 9 x14. See figure B.

Output:
- Differential LVPECL
- Symmetry: 45/55% Max @ 50% Vdd
- Logic: Terminated to Vdd-2V into 50 ohms
- Rise/Fall Time: 1ns max.@20% to 80% Vdd

RoHS Compliant

Pad	Connection	Pad	Connection
1	E/D	4	OUT
2	N/C	5	COUT
3	GND	6	Vdd

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part Number	∗ Fig.	Package	Operating Frequency (MHz)	Stability over Temperature Range	Price Each		
						1	5	10
549-CCPD03350-77.76	CCPD-033-50-77.760	A	5 x 7mm SMD	77.76	±50ppm @ 0°C to 70°C	8.38	7.24	6.86
549-CCPD033X-77.76	CCPD-033X-50-77.760	A	5 x 7mm SMD	77.76	±50ppm @ -40°C to 85°C	9.78	8.61	8.18
549-CCPD03350-100	CCPD-033-50-100.000	A	5 x 7mm SMD	100.00	±50ppm @ 0°C to 70°C	8.78	7.58	7.18
549-CCPD033X-100	CCPD-033X-50-100.000	A	5 x 7mm SMD	100.00	±50ppm @ -40°C to 85°C	10.89	9.41	8.91
549-CCPD03350-106.25	CCPD-033-50-106.25	A	5 x 7mm SMD	106.25	±50ppm @ 0°C to 70°C	8.78	7.58	7.18
549-CCPD033X-106.25	CCPD-033X-50-106.25	A	5 x 7mm SMD	106.25	±50ppm @ -40°C to 85°C	10.89	9.41	8.91
549-CCPD03350-125	CCPD-033-50-125.000	A	5 x 7mm SMD	125.00	±50ppm @ 0°C to 70°C	9.39	8.11	7.69
549-CCPD033X-125	CCPD-033X-50-125.000	A	5 x 7mm SMD	125.00	±50ppm @ -40°C to 85°C	10.89	9.41	8.91
549-CCPD03350-155.52	CCPD-033-50-155.520	A	5 x 7mm SMD	155.52	±50ppm @ 0°C to 70°C	12.65	10.93	10.35
549-CCPD033X-155.2	CCPD-033X-50-155.520	A	5 x 7mm SMD	155.52	±50ppm @ -40°C to 85°C	13.82	11.93	11.30
549-CCPD03350-156.25	CCPD-033-50-156.250	A	5 x 7mm SMD	156.25	±50ppm @ 0°C to 70°C	12.65	10.93	10.35
549-CCPD033X-156.25	CCPD-033X-50-156.250	A	5 x 7mm SMD	156.25	±50ppm @ -40°C to 85°C	13.82	11.93	11.30
549-CCPD03350-161.13	CCPD-033-50-161.1328	A	5 x 7mm SMD	161.13	±50ppm @ 0°C to 70°C	14.34	12.39	11.74
549-CCPD033X-161.13	CCPD-033X-50-161.1328	A	5 x 7mm SMD	161.13	±50ppm @ -40°C to 85°C	15.62	13.49	12.78
549-CCPD03450-200	CCPD-034-50-200.000	A	5 x 7mm SMD	200.00	±50ppm @ 0°C to 70°C	19.60	16.93	16.04
549-CCPD034X-200	CCPD-034X-50-200.000	A	5 x 7mm SMD	200.00	±50ppm @ -40°C to 85°C	28.40	24.53	23.24
549-CCPD034-50-212.5	CCPD-034-50-212.500	A	5 x 7mm SMD	212.50	±50ppm @ 0°C to 70°C	19.84	17.14	16.24
549-CCPD034X-212.5	CCPD-034X-50-212.500	A	5 x 7mm SMD	212.50	±50ppm @ -40°C to 85°C	28.67	24.76	23.45
549-CCPD03450-250	CCPD-034-50-250.000	A	5 x 7mm SMD	250.00	±50ppm @ 0°C to 70°C	33.59	29.01	27.49
549-CCPD034X-250	CCPD-034X-50-250.000	A	5 x 7mm SMD	250.00	±50ppm @ -40°C to 85°C	37.66	32.53	30.82
549-CCPD03450-311.04	CCPD-034-50-311.04	A	5 x 7mm SMD	311.04	±50ppm @ 0°C to 70°C	53.17	45.92	43.51
549-CCPD034X-311.04	CCPD-034X-50-311.04	A	5 x 7mm SMD	311.04	±50ppm @ -40°C to 85°C	60.87	52.57	49.81

CCLD-033 SERIES, LVDS CLOCK OSCILLATORS, 5 X 7MM SMD

Specifications:
- Frequency Range: 77.760~250.00MHz
- Input Voltage: 3.3V ± 0.3V
- Input Current: 35mA typ., 47mA max.
- Jitter: 0.5psec typ., 1ps RMS max.
- Low Phase Noise, non-PLL design

Output:
- Differential LVDS
- Symmetry: 45/55% Max @ 50% Vdd
- Differential Output Voltage: 247mV min., 454mV max.
- Rise/Fall Time: 1ns max. @ 20% to 80% Vdd

∗ Also available in 9 x14. See figure B.

RoHS Compliant

Pad	Connection	Pad	Connection
1	E/D	4	OUT
2	N/C	5	COUT
3	GND	6	Vdd

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Crystek Part Number	∗ Fig.	Package	Operating Frequency (MHz)	Stability over Temperature Range	Price Each		
						1	10	100
549-CCLD033-50-100	CCLD-033-50-100.000	A	5 x 7mm SMD	100.00	±50ppm @ 0°C to +70°C	11.22	9.18	7.14
549-CCLD033-50-125	CCLD-033-50-125.000	A	5 x 7mm SMD	125.00	±50ppm @ 0°C to +70°C	11.22	9.18	7.14
549-CCLD033-50-156	CCLD-033-50-156.250	A	5 x 7mm SMD	156.25	±50ppm @ 0°C to +70°C	13.35	10.92	8.49

CVXO-018T SERIES, HCMOS, VCXO, 5 X 7MM SMD

Specifications:
- Frequency Range: 1~52MHz
- Input Voltage: 3.3V ± 0.3V
- Control Voltage: 1.65V ± 1.65V
- Input Current: 40mA Max
- Low Jitter, non PLL design

Output:
- HCMOS
- Symmetry: 40/60% Max @ 50% Vdd
- Rise/Fall Time: 5ns Max @ 20% to 80% Vdd
- Pulling Range: ±100ppm min.
- Linearity: ±10% max

RoHS Compliant

Pad	Connection	Pad	Connection
1	Cont. Volt.	4	O/P
2	Tri-State	5	N/C
3	GND	6	Vdd

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Crystek Part Number	Fig.	Package	Operating Frequency (MHz)	Stability over Temperature Range	Price Each			
						1	10	100	500
549-CVXO018TX508.192	CVXO-018TX-50-8.192	A	5 x 7mm SMD	8.192	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
549-CVXO018TX5019.44	CVXO-018TX-50-19.440	A	5 x 7mm SMD	19.440	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02
549-CVXO018TX5027	CVXO-018TX-50-27.000	A	5 x 7mm SMD	27.000	±50ppm @ -40°C to +85°C	5.96	5.66	4.32	4.02

CVPD-034 HFF SERIES, LVPECL , VCXO, 5 X 7MM SMD

Specifications:
- Frequency Range: 77.76~200MHz
- Input Voltage: 3.3V ± 0.3V
- Control Voltage: 1.65V ± 1.65V
- Input Current: 50mA Typ, 88mA Max
- Jitter: 1ps RMS max.
- Low phase noise, non PLL design

∗ Also available in 9 x14. See figure B.

Output:
- Symmetry: 45/55% Max @ 50% Vdd
- Rise/Fall Time: 1ns Max @ 20% to 80% Vdd
- Pulling Range: ±50ppm APR Min.
- Linearity: ±10% Max

RoHS Compliant

Pad	Connection	Pad	Connection
1	Volt. Cont.	4	OUT
2	E/D	5	COUT
3	GND	6	Vdd

(Other frequencies, stabilities, voltages, outputs and temperature ranges available. Please contact your Mouser representative for more information.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crystek Part Number	∗ Fig.	Package	Operating Frequency (MHz)	Stability over Temperature Range	Price Each		
						1	5	10
549-CVPD03450-77.76	CVPD-034-50-77.76	A	5 x 7mm SMD	77.76	±50ppm @ 0°C to 70°C	37.88	34.44	32.72
549-CVPD03450-155.52	CVPD-034-50-155.52	A	5 x 7mm SMD	155.52	±50ppm @ 0°C to 70°C	41.71	37.92	36.02
549-CVPD03450-156.25	CVPD-034-50-156.25	A	5 x 7mm SMD	156.25	±50ppm @ 0°C to 70°C	41.71	37.92	36.02
549-CVPD03450-161.13	CVPD-034-50-161.1328	A	5 x 7mm SMD	161.1328	±50ppm @ 0°C to 70°C	43.74	39.76	37.77

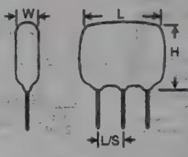
ECS Ceramic Resonators, Filters and Cylinder Crystals

ZTT SERIES CERAMIC RESONATORS

The ZTT Series ceramic resonator offers wide frequency range and extended temperature range capabilities with built-in load capacitance.

Specifications:
- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:
- Low profile
- Wide frequency range
- Extended temperature range
- High stability
- Built-in load capacitance



DIMENSIONS: mm

RoHS Compliant

For quantities of 500 and up, call for quote.

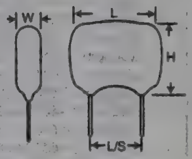
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Dimensions				Price Each		
				W	L	H	L/S	1	10	100
520-ZTT358MG	ZTT-3.58MG	3.580000	30pf	5	10	7.5	2.5	.46	.41	.37
520-ZTT400MG	ZTT-4.00MG	4.000000	30pf	5	10	7.5	2.5	.46	.41	.37
520-ZTT600MT	ZTT-6.00MT	6.000000	30pf	5	10	10	2.5	.46	.41	.37
520-ZTT800MT	ZTT-8.00MT	8.000000	30pf	5	10	10	2.5	.46	.41	.37
520-ZTT1000MT	ZTT-10.00MT	10.000000	30pf	5	10	10	2.5	.46	.41	.37
520-ZTT1200MT	ZTT-12.00MT	12.000000	30pf	5	10	10	2.5	.46	.41	.37
520-ZTT1600MX	ZTT-16.00MX	16.000000	30pf	5	10	10	2.5	.46	.41	.37
520-ZTT2000MX	ZTT-20.00MX	20.000000	30pf	5	10	10	2.5	.46	.41	.37

ZTA SERIES CERAMIC RESONATORS

The ZTA Series ceramic resonator offers wide frequency range and extended temperature range capabilities.

Specifications:
- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:
- Low profile
- Wide frequency range
- Extended temperature range
- High stability



DIMENSIONS: mm

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Dimensions				Price Each		
			W	L	H	L/S	1	10	100
520-ZTA358MG	ZTA-3.58MG	3.580000	5	10	7.5	5	.41	.37	.33
520-ZTA400MG	ZTA-4.00MG	4.000000	5	10	7.5	5	.41	.37	.33
520-ZTA600MT	ZTA-6.00MT	6.000000	5	10	10	5	.41	.37	.33
520-ZTA800MT	ZTA-8.00MT	8.000000	5	10	10	5	.41	.37	.33
520-ZTA1000MT	ZTA-10.00MT	10.000000	5	10	10	5	.41	.37	.33
520-ZTA1200MT	ZTA-12.00MT	12.000000	5	10	10	5	.41	.37	.33
520-ZTA1600MX	ZTA-16.00MX	16.000000	5	10	10	5	.41	.37	.33
520-ZTA2000MX	ZTA-20.00MX	20.000000	5	10	10	5	.41	.37	.33

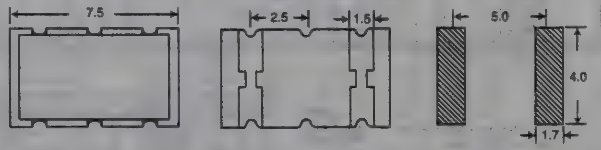
ECS-SR1-A SERIES SMD CERAMIC RESONATORS

The ECS-SR-A SMD ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

Specifications:
- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:
- Low profile
- Wide frequency range
- Extended temperature range
- Height: 1.8 max.

DIMENSIONS: mm

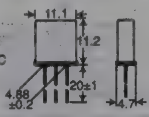


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Resonant Resistance	Price Each		
				1	10	100
520-ECS-SR1-3.58A	ECS-SR1-3.58-A	3.58	40	.77	.66	.51
520-ECS-SR1-4.00A	ECS-SR1-4.00-A	4.00	40	.77	.66	.51
520-ECS-SR1-4.19A	ECS-SR1-4.19-A	4.19	40	.77	.66	.51
520-ECS-SR1-6.00A	ECS-SR1-6.00-A	6.00	40	.77	.66	.51
520-ECS-SR1-8.00A	ECS-SR1-8.00-A	8.00	40	.77	.66	.51

10.7 MHZ MONOLITHIC CRYSTAL FILTERS

Specifications:
- Operating temp.: -20°C to +70°C
- Center Frequency: 10.7 MHz



DIMENSIONS: mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	No. of Poles	Pass Band 3dB min. (KHz)	Ripple Max. (dB)	Insertion Loss Max. (dB)	Price Each		
						1	10	100
520-107-7.5A	ECS-10.7-7.5A	2	± 3.75	0.5	1.5	3.68	3.31	3.13
520-107-7.5B	ECS-10.7-7.5B	4	± 3.75	1.0	2.5	8.51	7.66	7.23
520-107-15A	ECS-10.7-15A	2	± 7.5	0.5	2.0	2.19	1.97	1.86
520-107-15B	ECS-10.7-15B	4	± 7.5	1.0	2.5	4.49	4.04	3.82

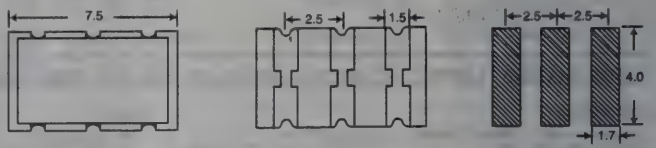
ECS-SR-B SERIES SMD CERAMIC RESONATORS

The ECS-SR-B Series SMD ceramic resonator includes a built in capacitor for simplification of oscillator circuits and reduces component count. The SMD ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

Specifications:
- Operating temp.: -20°C to +80°C
- Frequency accuracy (@25°C): ±0.5%
- Aging for 10 years: ±0.3%

Features:
- Low profile
- Wide frequency range
- Extended temperature range
- Built-in load capacitance
- Height: 2.2 max.

DIMENSIONS: mm



For quantities of 500 and up, call for quote.

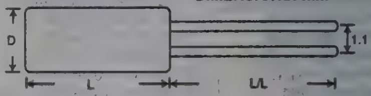
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Resonant Resistance	Price Each		
					1	10	100
520-ECS-SR1-3.58B	ECS-SR1-3.58-B	3.58	30pf	40	.82	.70	.54
520-ECS-SR1-4.00B	ECS-SR1-4.00-B	4.00	30pf	40	.77	.66	.51
520-ECS-SR1-4.19B	ECS-SR1-4.19-B	4.19	30pf	40	.82	.70	.54
520-ECS-SR1-6.00B	ECS-SR1-6.00-B	6.00	30pf	40	.82	.70	.54
520-ECS-SR1-8.00B	ECS-SR1-8.00-B	8.00	30pf	40	.82	.70	.54

MHZ RANGE CYLINDER TYPE CRYSTALS

This product represents our selection of miniature tubular high frequency crystals.
They feature outstanding shock/vibration resistance and environmental characteristics.

Features:
- Cost effective
- Excellent aging
- Load Cap.: 18pf
- Lead length: .394 in.
- Wide frequency range
- Excellent reliability

DIMENSIONS: mm



For quantities of 500 and up, call for quote.

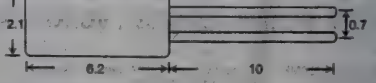
MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Dimensions			Price Each		
			D	L	L/L	1	10	100
520-ECS-357-18-10	ECS-35-18-10	3.579545	3.2	10.5	10	.67	.61	.54
520-ECS-368-18-10	ECS-36-18-10	3.686400	3.2	10.5	10	.67	.61	.54
520-ECS-400-18-10	ECS-40-18-10	4.000000	3.2	10.5	10	.67	.61	.54
520-ECS-491-18-10	ECS-49-18-9	4.915200	3.2	10.5	10	.67	.61	.54
520-ECS-600-18-10	ECS-60-18-9	6.000000	3.2	10.5	10	.67	.61	.54
520-ECS-737-18-10	ECS-73-18-9	7.372800	3.2	10.5	10	.67	.61	.54
520-ECS-800-18-10	ECS-80-18-9	8.000000	3.2	10.5	10	.67	.61	.54
520-ECS-819-18-9	ECS-81-18-9	8.192000	3.2	9	10	.67	.61	.54
520-ECS-1000-18-9	ECS-100-18-9	10.000000	3.2	9	10	.67	.61	.54
520-ECS-1105-18-9	ECS-110.5-18-9	11.059000	3.2	9	10	.67	.61	.54
520-ECS-1200-18-9	ECS-120-18-9	12.000000	3.2	9	10	.67	.61	.54
520-ECS-1431-18-9	ECS-143-18-9	14.318180	3.2	9	10	.67	.61	.54
520-ECS-1474-18-9	ECS-147-18-9	14.745600	3.2	9	10	.67	.61	.54
520-ECS-1600-18-9	ECS-160-18-9	16.000000	3.2	9	10	.67	.61	.54
520-ECS-1843-18-9	ECS-184-18-9	18.432000	3.2	9	10	.67	.61	.54
520-ECS-2000-18-9	ECS-200-18-9	20.000000	3.2	9	10	.67	.61	.54
520-ECS-2457-18-9	ECS-245-18-9	24.576000	3.2	9	10	.67	.61	.54
520-ECS-2500-18-9	ECS-250-18-9	25.000000	3.2	9	10	.67	.61	.54
520-ECS-2700-18-9	ECS-270-18-9	27.000000	3.2	9	10	.67	.61	.54
520-ECS-3200-18-9	ECS-320-18-9	32.000000	3.2	9	10	.67	.61	.54
520-ECS-3276-18-9	ECS-327-18-9	32.768000	3.2	9	10	.67	.61	.54
520-ECS-4000-18-10	ECS-400-18-9	40.000000	3.2	10.5	10	.67	.61	.54
520-ECS-5000-18-9	ECS-500-18-9	50.000000	3.2	9	10	.67	.61	.54
520-ECS-6000-18-9	ECS-600-18-9	60.000000	3.2	9	10	.67	.61	.54
520-ECS-6666-18-9	ECS-666-18-9	66.666000	3.2	9	10	.67	.61	.54

ECS-31 SERIES KHZ RANGE CYLINDER TYPE CRYSTALS, 2X6

The ECS-31 Series features the same characteristics as the only tuning fork crystals offer. Because of their miniature size they are ideal for portable and communication equipment applications.

Features:
- Miniature size
- Cost effective
- Lead length: .394 in.
- Long term stability
- Load Cap.: 12.5pf

DIMENSIONS: mm



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (KHz)	Price Each		
			1	10	100
520-ECS-32-12.5-13	ECS-.320-12.5-13	32.00	.76	.69	.61
520-ECS-40-12.5-13	ECS-.400-12.5-13	40.00	.76	.69	.61
520-ECS-60-12.5-13	ECS-.600-12.5-13	60.00	.76	.69	.61
520-ECS-655-12.5-13	ECS-.655-12.5-13	65.50	.76	.69	.61
520-ECS-75-12.5-13	ECS-.750-12.5-13	75.00	.76	.69	.61
520-ECS-100-12.5-13	ECS-1.00-12.5-13	100.00	.76	.69	.61
520-ECS-1536-12.5-13	ECS-1.536-12.5-13	153.60	.76	.69	.61

ECS SMD Clock Oscillators and Tuning Fork Crystals

ECS-3951M/3953M SERIES SMD CLOCK OSCILLATORS

New Industrial Grade

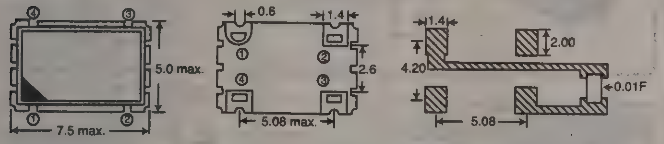
The ECS-3953M (3.3V) and ECS-3951M (5V). Series are miniature, crystal controlled, low current clock oscillators in a ceramic SMD package. Package is seam welded with a metal lid. The low profile package is ideal for today's advanced portable PC and instrumentation designs.

Features:
- 3.3V or 5.0V version
- Low power consumption
- Standby function
- Stability Tolerance: ±50PPM

Specifications:
- Frequency range: 1.8 to 125 MHz
- Temperature range: Extended -40° to +85°
- Heigth: 1.6 max.

DIMENSIONS: mm

Pin Connectors	
1	Standby
2	GND
3	OUTPUT
4	Vcc



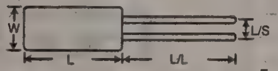
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each 1	10	100	500
3.3 Volts Extended Temp.						
520-3953M-018-BN	ECS-3953M-018-BN	1.843200	5.50	4.97	4.14	3.24
520-3953M-035-BN	ECS-3953M-035-BN	3.579545	5.50	4.97	4.14	3.24
520-3953M-036-BN	ECS-3953M-036-BN	3.686400	5.50	4.97	4.14	3.24
520-3953M-040-BN	ECS-3953M-040BN	4.000000	5.50	4.97	4.14	3.24
520-3953M-080-BN	ECS-3953M-080-BN	8.000000	5.50	4.97	4.14	3.24
520-3953M-100-BN	ECS-3953M-100-BN	10.000000	5.50	4.97	4.14	3.24
520-3953M-120-BN	ECS-3953M-120-BN	12.000000	5.50	4.97	4.14	3.24
520-3953M-160-BN	ECS-3953M-160-BN	16.000000	5.50	4.97	4.14	3.24
520-3953M-200-BN	ECS-3953M-200-BN	20.000000	5.50	4.97	4.14	3.24
520-3953M-240-BN	ECS-3953M-240-BN	24.000000	5.50	4.97	4.14	3.24
520-3953M-250-BN	ECS-3953M-250-BN	25.000000	5.50	4.97	4.14	3.24
520-3953M-320-BN	ECS-3953M-320-BN	32.000000	5.50	4.97	4.14	3.24
520-3953M-400-BN	ECS-3953M-400-BN	40.000000	5.50	4.97	4.14	3.24
520-3953M-500-BN	ECS-3953M-500-BN	50.000000	5.50	4.97	4.14	3.24
520-3953M-666-BN	ECS-3953M-666-BN	66.666000	5.50	4.97	4.14	3.24
520-3953M-800-BN	ECS-3953M-800-BN	80.000000	5.50	4.97	4.14	3.24
520-3953M-1000-BN	ECS-3953M-1000-BN	100.000000	5.50	4.97	4.14	3.24
520-3953M-1250-BN	ECS-3953M-1250-BN	125.000000	5.50	4.97	4.14	3.24
5 Volts Extended Temp.						
520-3951M-018-BN	ECS-3951M-018-BN	1.843200	5.32	4.80	4.26	3.62
520-3951M-035-BN	ECS-3951M-035-BN	3.579545	5.32	4.80	4.26	3.62
520-3951M-036-BN	ECS-3951M-036-BN	3.686400	5.32	4.80	4.26	3.62
520-3951M-040-BN	ECS-3951M-040-BN	4.000000	5.32	4.80	4.26	3.62
520-3951M-080-BN	ECS-3951M-080-BN	8.000000	5.32	4.80	4.26	3.62
520-3951M-100-BN	ECS-3951M-100-BN	10.000000	5.32	4.80	4.26	3.62
520-3951M-120-BN	ECS-3951M-120-BN	12.000000	5.32	4.80	4.26	3.62
520-3951M-160-BN	ECS-3951M-160-BN	16.000000	5.32	4.80	4.26	3.62
520-3951M-200-BN	ECS-3951M-200-BN	20.000000	5.32	4.80	4.26	3.62
520-3951M-240-BN	ECS-3951M-240-BN	24.000000	5.32	4.80	4.26	3.62
520-3951M-250-BN	ECS-3951M-250-BN	25.000000	5.32	4.80	4.26	3.62
520-3951M-320-BN	ECS-3951M-320-BN	32.000000	5.32	4.80	4.26	3.62
520-3951M-400-BN	ECS-3951M-400-BN	40.000000	5.32	4.80	4.26	3.62
520-3951M-500-BN	ECS-3951M-500-BN	50.000000	5.32	4.80	4.26	3.62
520-3951M-666-BN	ECS-3951M-666-BN	66.666000	5.32	4.80	4.26	3.62
520-3951M-800-BN	ECS-3951M-800-BN	80.000000	5.32	4.80	4.26	3.62
520-3951M-1000-BN	ECS-3951M-1000-BN	100.000000	5.32	4.80	4.26	3.62

TUNING FORK CRYSTALS

DIMENSIONS: mm

Specifications:
- Operating temp.: -10°C to +60°C
- Frequency tolerance: ±20ppm



RoHS Compliant

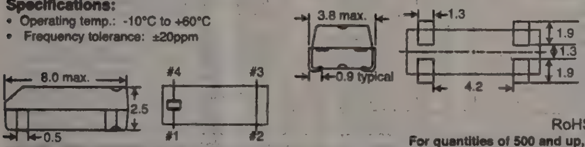
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency	Load Cap.	Dimensions W	L	L/L	L/S	Price Each 1	10	100
520-TFC327-X	ECS-.327-8-14-X	32.768 kHz	8	1.5	5.1	4.3	.45	2.63	2.35	1.89
520-ECS327-6-13-X	ECS-.327-6-13-X	32.768kHz	6	2.1	6.2	10	0.7	1.30	1.05	.91
520-TFC2X6-X	ECS-.327-12.5-13-X	32.768 kHz	12.5	2.1	6.2	10	0.7	.78	.65	.52
520-TFC3X8-X	ECS-.327-12.5-8-X	32.768 kHz	12.5	3.1	8.2	10	1.1	.30	.27	.21

ECX-306 SMD TUNING FORK CRYSTAL, 2.5X8

DIMENSIONS: mm

Specifications:
- Operating temp.: -10°C to +60°C
- Frequency tolerance: ±20ppm



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (KHz)	Load Capacitance	Price Each 1	10	100
520-ECS-327-6-17-X	ECS-.327-6-17-X	32.768	6pf	1.04	.92	.75
520-ECS327-12.5-17-X	ECS-.327-12.5-17-X	32.768	12.5pf	.90	.80	.64

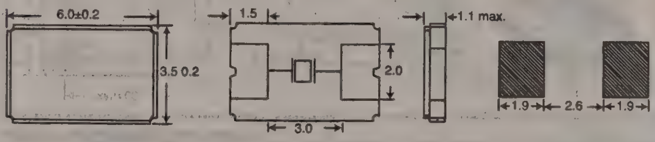
ECS-64A SMD QUARTZ CRYSTALS

The ECX-64A are subminiature SMD crystals with 3.5 x 6mm footprint. The package height measures 1.1mm max., which is ideal for densely populated PCB applications.

Features:
- Compact and low profile
- Glass sealed ceramic package
- Tape and Reel

Specifications:
- Stability: ±50ppm
- Extended Temp.: -40°C to +85°C

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Stability Tol.	Freq. (MHz)	Price Each 1	10	100	500
520-ECS143-20-23A-EN	ECS-143-20-23A-EN	14.318180	20pf	2.94	2.45	2.20	1.96
520-ECS143-S-23A-EN	ECS-143-S-23A-EN	14.318181	Series	2.94	2.45	2.20	1.96
520-ECS147-20-23A-EN	ECS-147.4-20-23A-EN	14.745600	20pf	2.94	2.45	2.20	1.96
520-ECS160-20-23A-EN	ECS-160-20-23A-EN	16.000000	20pf	2.94	2.45	2.20	1.96
520-ECS160-S-23A-EN	ECS-160-S-23A-EN	16.000000	Series	2.94	2.45	2.20	1.96
520-ECS184-20-23A-EN	ECS-184-20-23A-EN	18.432000	20pf	2.94	2.45	2.20	1.96
520-ECS184-S-23A-EN	ECS-184-S-23A-EN	18.432000	Series	2.94	2.45	2.20	1.96
520-ECS196-20-23A-EN	ECS-196.6-20-23A-EN	19.660800	20pf	2.94	2.45	2.20	1.96
520-ECS196-S-23A-EN	ECS-196.6-S-23A-EN	19.660800	Series	2.94	2.45	2.20	1.96
520-ECS200-20-23A-EN	ECS-200-20-23A-EN	20.000000	20pf	2.94	2.45	2.20	1.96
520-ECS200-S-23A-EN	ECS-200-S-23A-EN	20.000000	Series	2.94	2.45	2.20	1.96
520-ECS240-S-23A-EN	ECS-240-S-23A-EN	24.000000	Series	2.94	2.45	2.20	1.96

ECS-327SMO SMD CLOCK OSCILLATOR

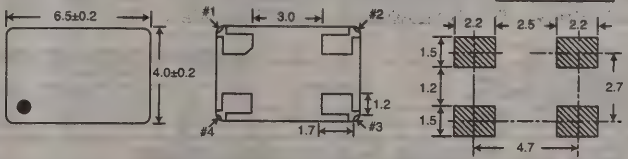
The ECS-327SMO oscillator utilizes the 32.768 KHz tuning fork crystal in a SMD ceramic package. It is designed specifically for wireless PCMCIA and portable communication equipment applications.

Features:
- 2.0mm low profile
- SMD version
- 3.3V input voltage
- Tape and Reel

Specifications:
- Operating Temperature: -10° to +60°
- Frequency Stability: -60ppm/-30ppm
- Height: 2.0 max.

DIMENSIONS: mm

Pin Connectors	
1	NC
2	GND
3	OUTPUT
4	Vcc



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (KHz)	Voltage	Price Each 1	10	100	500
520-ECS-327SMO	ECS-327SMO	32.768	3.3	7.65	6.24	5.64	5.23

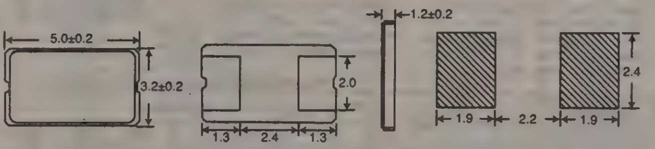
ECX-53 SMD QUARTZ CRYSTAL

The ECX-53 is our smallest sub miniature SMD crystals with a 3.2 x 5mm footprint. This package is ideal for today's compact wireless applications where board space is critical.

Features:
- Compact and low profile
- Glass sealed ceramic package
- Tape and Reel

Specifications:
- Frequency stability: ± 50ppm
- Operating Temperature: -10° to +60°
- Storage Temperature: -40° to +85°

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
520-ECS-143-20-30	ECS-143-20-30	14.318180	20pf	2.53	2.28	2.02	1.77
520-ECS-147-20-30	ECS-147.4-20-30	14.745600	20pf	2.53	2.28	2.02	1.77
520-ECS-160-20-30	ECS-160-20-30	16.000000	20pf	2.53	2.28	2.02	1.77
520-ECS-184-20-30	ECS-184-20-30	18.432000	20pf	2.53	2.28	2.02	1.77
520-ECS-196-20-30	ECS-196.6-20-30	19.660800	20pf	2.53	2.28	2.02	1.77
520-ECS-200-20-30	ECS-200-20-30	20.000000	20pf	2.53	2.28	2.02	1.77
520-ECS-240-20-30	ECS-240-20-30	24.000000	20pf	2.53	2.28	2.02	1.77

ECS Clock Oscillators

RoHS Compliant This page of product is compliant.

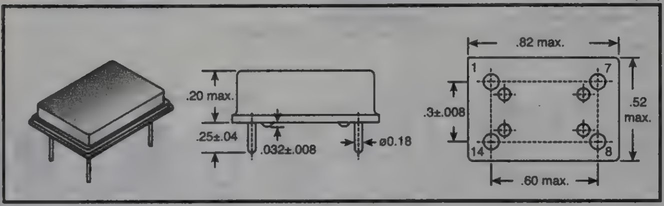
FULL SIZE (TTL/HCMOS) CLOCK OSCILLATORS

Specifications:

- Frequency stability: ±100ppm max.
- Supply voltage: +5.0 ±0.25
- Operating Temp.: 0°C to +70°C
- Storage Temp: -55°C to +125°C
- Output Load: TTL: 10 TTL max.

RoHS Compliant

DIMENSIONS (IN.)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each			
			1	10	100	500
520-TCF100-X	ECS-100AX-1.0MHZ	1.000000	1.73	1.55	1.38	1.21
520-TCF122-X	ECS-100AX-1.2288MHZ	1.228800	1.73	1.55	1.38	1.21
520-TCF200-X	ECS-100AX-2.0MHZ	2.000000	1.73	1.55	1.38	1.21
520-TCF357-X	ECS-100AX-3.579545MHZ	3.579545	1.73	1.55	1.38	1.21
520-TCF368-X	ECS-100AX-3.6864MHZ	3.686400	1.73	1.55	1.38	1.21
520-TCF400-X	ECS-100AX-4.0MHZ	4.000000	1.73	1.55	1.38	1.21
520-TCF491-X	ECS-100AX-4.9152MHZ	4.915200	1.73	1.55	1.38	1.21
520-TCF500-X	ECS-100AX-5.0MHZ	5.000000	1.73	1.55	1.38	1.21
520-TCF506-X	ECS-100AX-5.0688MHZ	5.068800	1.73	1.55	1.38	1.21
520-TCF600-X	ECS-100AX-6.0MHZ	6.000000	1.73	1.55	1.38	1.21
520-TCF614-X	ECS-100AX-6.144MHZ	6.144000	1.73	1.55	1.38	1.21
520-TCF737-X	ECS-100AX-7.3728MHZ	7.372800	1.73	1.55	1.38	1.21
520-TCF800-X	ECS-100AX-8.0MHZ	8.000000	1.73	1.55	1.38	1.21
520-TCF921-X	ECS-100AX-9.216MHZ	9.216000	1.73	1.55	1.38	1.21
520-TCF983-X	ECS-100AX-9.8304MHZ	9.830400	1.73	1.55	1.38	1.21
520-TCF1000-X	ECS-100AX-10.0MHZ	10.000000	1.73	1.55	1.38	1.21
520-TCF1105-X	ECS-100AX-11.0592MHZ	11.059200	1.73	1.55	1.38	1.21
520-TCF1431-X	ECS-100AX-14.31818MHZ	14.318180	1.73	1.55	1.38	1.21
520-TCF1600-X	ECS-100AX-16.0MHZ	16.000000	1.73	1.55	1.38	1.21
520-TCF1800-X	ECS-100AX-18.0MHZ	18.000000	1.73	1.55	1.38	1.21
520-TCF1843-X	ECS-100AX-18.432MHZ	18.432000	1.73	1.55	1.38	1.21
520-TCF1966-X	ECS-100AX-19.6608MHZ	19.660800	1.73	1.55	1.38	1.21
520-TCF2000-X	ECS-100AX-20.000MHZ	20.000000	1.73	1.55	1.38	1.21
520-TCF2400-X	ECS-100AX-24.0MHZ	24.000000	1.73	1.55	1.38	1.21
520-TCF2500-X	ECS-100AX-25.0MHZ	25.000000	1.73	1.55	1.38	1.21
520-TCF2832-X	ECS-100AX-28.322MHZ	28.322000	1.73	1.55	1.38	1.21
520-TCF3000-X	ECS-100AX-30.0MHZ	30.000000	1.73	1.55	1.38	1.21
520-TCF3500-X	ECS-100AX-35.0MHZ	35.000000	1.73	1.55	1.38	1.21
520-TCF4000-X	ECS-100AX-40.0MHZ	40.000000	1.73	1.55	1.38	1.21
520-TCF5000-X	ECS-100AX-50.0MHZ	50.000000	1.73	1.55	1.38	1.21
520-TCF6666-X	ECS-100AX-66.666MHZ	66.666000	1.73	1.55	1.38	1.21

Aries Sockets

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Description	Price Each			
			1	10	100	500
535-1107741	1107741	Full size socket	.75	.63	.48	.45

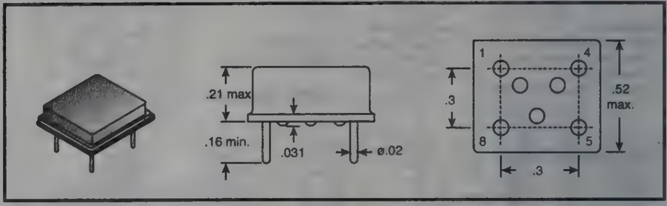
HALF SIZE (TTL/HCMOS) CLOCK OSCILLATORS

Specifications:

- Frequency stability: ±100ppm max.
- Supply voltage: +5.0 ± 0.25
- Operating Temp.: 0°C to +70°C
- Storage Temp: -55°C to +125°C
- Output Load: TTL: 10 TTL max.
  HCMOS: 50pf

RoHS Compliant

DIMENSIONS (IN.)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each			
			1	10	100	500
520-TCH100-X	ECS-2100AX-1.0MHZ	1.000000	1.96	1.76	1.56	1.37
520-TCH122-X	ECS-2100AX-1.2288MHZ	1.228800	1.96	1.76	1.56	1.37
520-TCH184-X	ECS-2100AX-1.8432MHZ	1.843200	1.96	1.76	1.56	1.37
520-TCH200-X	ECS-2100AX-2.0MHZ	2.000000	1.96	1.76	1.56	1.37
520-TCH357-X	ECS-2100AX-3.579545MHZ	3.579545	1.96	1.76	1.56	1.37
520-TCH368-X	ECS-2100AX-3.6864MHZ	3.686400	1.96	1.76	1.56	1.37
520-TCH400-X	ECS-2100AX-4.0MHZ	4.000000	1.96	1.76	1.56	1.37
520-TCH506-X	ECS-2100AX-5.0688MHZ	5.068800	1.96	1.76	1.56	1.37
520-TCH600-X	ECS-2100AX-6.0MHZ	6.000000	1.96	1.76	1.56	1.37
520-TCH614-X	ECS-2100AX-6.144MHZ	6.144000	1.96	1.76	1.56	1.37
520-TCH800-X	ECS-2100AX-8.0MHZ	8.000000	1.96	1.76	1.56	1.37
520-TCH921-X	ECS-2100AX-9.216MHZ	9.216000	1.96	1.76	1.56	1.37
520-TCH983-X	ECS-2100AX-9.8304MHZ	9.830400	1.96	1.76	1.56	1.37
520-TCH1000-X	ECS-2100AX-10.0MHZ	10.000000	1.96	1.76	1.56	1.37
520-TCH1105-X	ECS-2100AX-11.0592MHZ	11.059200	1.96	1.76	1.56	1.37
520-TCH1200-X	ECS-2100AX-12.0MHZ	12.000000	1.96	1.76	1.56	1.37
520-TCH1431-X	ECS-2100AX-14.31818MHZ	14.318180	1.96	1.76	1.56	1.37
520-TCH1600-X	ECS-2100AX-16.0MHZ	16.000000	1.96	1.76	1.56	1.37
520-TCH1625-X	ECS-2100AX-16.257MHZ	16.257000	1.96	1.76	1.56	1.37
520-TCH1800-X	ECS-2100AX-18.0MHZ	18.000000	1.96	1.76	1.56	1.37
520-TCH1843-X	ECS-2100AX-18.432MHZ	18.432000	1.96	1.76	1.56	1.37
520-TCH1966-X	ECS-2100AX-19.6608MHZ	19.660800	1.96	1.76	1.56	1.37
520-TCH2000-X	ECS-2100AX-20.0MHZ	20.000000	1.96	1.76	1.56	1.37
520-TCH2500-X	ECS-2100AX-25.0MHZ	25.000000	1.96	1.76	1.56	1.37
520-TCH2832-X	ECS-2100AX-28.322MHZ	28.322000	1.96	1.76	1.56	1.37
520-TCH3000-X	ECS-2100AX-30.0MHZ	30.000000	1.70	1.53	1.36	1.19
520-TCH3200-X	ECS-2100AX-32.0MHZ	32.000000	1.96	1.76	1.56	1.37
520-TCH4000-X	ECS-2100AX-40.0MHZ	40.000000	1.96	1.76	1.56	1.37
520-TCH4800-X	ECS-2100AX-48.0MHZ	48.000000	1.96	1.76	1.56	1.37
520-TCH6400-X	ECS-2100AX-64.0MHZ	64.000000	1.96	1.76	1.56	1.37
520-TCH6666-X	ECS-2100AX-66.666MHZ	66.666000	1.96	1.76	1.56	1.37

Aries Sockets

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Description	Price Each			
			1	10	100	500
535-1108800	1108800	Half size socket	.75	.63	.48	.45

VC-TXO-35SM CLOCK OSCILLATORS

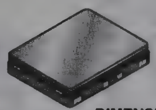
Specifications:

- Frequency Range: 12.00MHz to 26.00MHz
- Frequency Stability: ± 2.5ppm
- Operating Temp: -30°C to +75°C

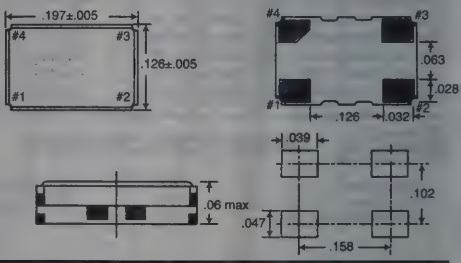
Features:

- Highly stable output
- Wide temperature range
- Voltage control function

RoHS Compliant



DIMENSIONS (IN.)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part No.	Frequency (MHz)	Price Each			
			1	10	100	500
520-VCTXO35SM-128-B	ECS-VC-TXO-35SM-128-B	12.8	17.33	14.85	9.50	6.79
520-VCTXO35SM-168-B	ECS-VC-TXO-35SM-168-B	16.8	17.33	14.85	9.50	6.79
520-VCTXO35SM-194-B	ECS-VC-TXO-35SM-194-B	19.44	17.33	14.85	9.50	6.79

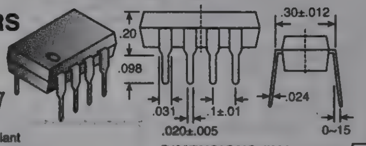
Pad Connection	
1	Vcontrol
2	GND
3	Output
4	Vcc

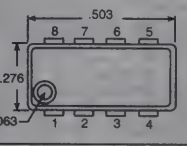
DUAL OUTPUT CLOCK OSCILLATORS

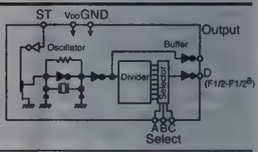
Specifications:

- Supply current: 20mA max. @ 25°C
- Operating temperature: -10°C to +70°C
- Rise and Fall Time: 10nS typ/15nS max.
- Symmetry: 50±10%
- Input current: 35mA max.
- Output Load: 15pf or LS-TTL.
- Start up time: 1.5mS
- Frequency Stability: ±100ppm
- Current consumption: ±1mA

RoHS Compliant







DIMENSIONS (IN.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Price Each			
			1	10	100	500
520-DCO1200-X	ECS-300CX-12.000	12.000000	3.65	3.42	3.30	3.19
520-DCO1228-X	ECS-300CX-12.288	12.288000	3.65	3.42	3.30	3.19
520-DCO1280-X	ECS-300CX-12.800	12.800000	3.65	3.42	3.30	3.19
520-DCO1431-X	ECS-300CX-14.31818	14.318180	3.65	3.42	3.30	3.19
520-DCO1474-X	ECS-300CX-14.7456	14.745600	3.65	3.42	3.30	3.19
520-DCO1600-X	ECS-300CX-16.0001	6.000000	3.65	3.42	3.30	3.19
520-DCO1638-X	ECS-300CX-16.3841	6.384000	3.65	3.42	3.30	3.19
520-DCO1773-X	ECS-300CX-17.734475	17.734475	3.65	3.42	3.30	3.19
520-DCO1843-X	ECS-300CX-18.4321	8.432000	3.65	3.42	3.30	3.19
520-DCO1966-X	ECS-300CX-19.6608	19.660800	3.65	3.42	3.30	3.19
520-DCO2000-X	ECS-300CX-20.000	20.000000	3.65	3.42	3.30	3.19
520-DCO2400-X	ECS-300CX-24.000	24.000000	3.65	3.42	3.30	3.19

Pin Connection	
1	Output
2	Dividing Ratio
3	Standby
4	GND
5	A (Programming)
6	B (Programming)
7	C (Programming)
8	VDD (5V)

Input				Output	
Select			ST	F (Original Freq.)	D (Divided Waveform)
C	B	A			
x	x	x	L	L	L
L	L	L	H	fo clock	fo 2 clock
L	L	H	H	fo clock	fo 1/2^2 clock
L	H	L	H	fo clock	fo 1/2^3 clock
L	H	H	H	fo clock	fo 1/2^4 clock
H	L	L	H	fo clock	fo 1/2^5 clock
H	L	H	H	fo clock	fo 1/2^6 clock
H	H	L	H	fo clock	fo 1/2^7 clock
H	H	H	H	fo clock	fo 1/2^8 clock

ECS HC49 Microprocessor Crystals

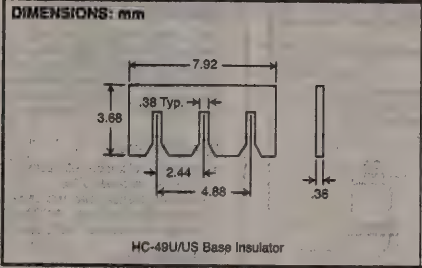
ECS INC. INTERNATIONAL

RoHS Compliant This page of product is compliant.

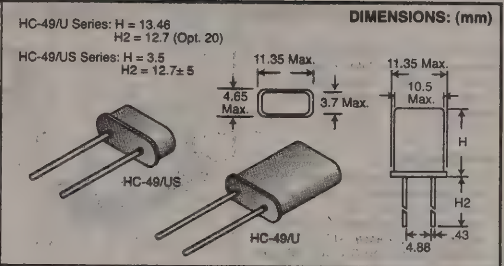
ECS HC-49U/US BASE INSULATOR, HC-49/U & HC-49/US

- Frequency Tolerance: ±30 ppm
- Shunt Capacitance: 7.0pF
- Load Capacitance: specified or series
- Operating Temperature Range: -10°C to +70°C
- Storage Temperature: -30°C to +85°C
- Cost effective
- Excellent aging
- Wide frequency range
- Excellent reliability

RoHS Compliant



HC-49U/US Base Insulator



This product represents our selection of low profile resistance weld type quartz crystals.

HC-49U/US Base Insulator

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Price Each			
		1	10	100	500
520-700-9001	700-9001	.09	.075	.06	.054

HC-49/U

This product represents our selection of standard resistance weld type quartz crystals.

- "AT" cut crystal

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-HCA100-13X	ECS-10-13-1X	1.000000	13pf	12.88	11.50	10.30	9.66
520-HCA184-SX	ECS-18-S-1X	1.843200	Series	1.38	1.24	1.10	.97
520-HCA184-13X	ECS-18-13-1X	1.843200	13pf	1.38	1.24	1.10	.97
520-HCA200-SX	ECS-20-S-1X	2.000000	Series	1.38	1.24	1.10	.97
520-HCA200-20X	ECS-20-20-1X	2.000000	20pf	1.38	1.24	1.10	.97
520-HCA204-12X	ECS-20.48-12-1X	2.048000	12pf	1.38	1.24	1.10	.97
520-HCA250-SX	ECS-25-S-1X	2.500000	Series	1.15	1.04	.92	.81
520-HCA300-SX	ECS-30-S-1X	3.000000	Series	1.15	1.04	.92	.81
520-HCA327-17X	ECS-32-17-1X	3.276800	17pf	.46	.41	.37	.32
520-HCA357-SX	ECS-35-S-1X	3.579545	Series	.46	.41	.37	.32
520-HCA357-17X	ECS-35-17-1X	3.579545	17pf	.46	.41	.37	.32
520-HCA368-SX	ECS-36-S-1X	3.686400	Series	.46	.41	.37	.32
520-HCA368-18X	ECS-36-18-1X	3.686400	18pf	.46	.41	.37	.32
520-HCA393-17X	ECS-39-17-1X	3.932160	17pf	.46	.41	.37	.32
520-HCA400-20X	ECS-40-20-1X	4.000000	20pf	.46	.41	.37	.32
520-HCA400-SX	ECS-40-S-1X	4.000000	Series	.46	.41	.37	.32
520-HCA403-20X	ECS-40.3-20-1X	4.032000	20pf	.46	.41	.37	.32
520-HCA419-12X	ECS-42-12-1X	4.194304	12pf	.46	.41	.37	.32
520-HCA443-20X	ECS-44-20-1X	4.433618	20pf	.46	.41	.37	.32
520-HCA500-20X	ECS-50-20-1X	5.000000	20pf	.46	.41	.37	.32
520-HCA500-SX	ECS-50-S-1X	5.000000	Series	.46	.41	.37	.32
520-HCA506-20X	ECS-51-20-1X	5.068800	20pf	.46	.41	.37	.32
520-HCA518-32X	ECS-52-32-1X	5.185000	32pf	.40	.36	.32	.28
520-HCA518-SX	ECS-52-S-1X	5.185000	Series	.46	.41	.37	.32
520-HCA599-20X	ECS-59-20-1X	5.990400	20pf	.46	.41	.37	.32
520-HCA599-SX	ECS-59-S-1X	5.990400	Series	.46	.41	.37	.32
520-HCA600-32X	ECS-60-32-1X	6.000000	32pf	.46	.41	.37	.32
520-HCA600-SX	ECS-60-S-1X	6.000000	Series	.46	.41	.37	.32
520-HCA614-32X	ECS-61-32-1X	6.144000	32pf	.46	.41	.37	.32
520-HCA655-12X	ECS-65-12-1X	6.553600	12pf	.46	.41	.37	.32
520-HCA737-20X	ECS-73-20-1X	7.372800	20pf	.46	.41	.37	.32
520-HCA768-20X	ECS-76.8-20-1X	7.680000	20pf	.46	.41	.37	.32
520-HCA800-20X	ECS-80-20-1X	8.000000	20pf	.46	.41	.37	.32
520-HCA800-32X	ECS-80-32-1X	8.000000	32pf	.46	.41	.37	.32
520-HCA800-SX	ECS-80-S-1X	8.000000	Series	.46	.41	.37	.32
520-HCA921-SX	ECS-92.1-S-1X	9.216000	Series	.46	.41	.37	.32
520-HCA983-20X	ECS-98.3-20-1X	9.830400	20pf	.46	.41	.37	.32
520-HCA1000-SX	ECS-100-S-1X	10.000000	Series	.46	.41	.37	.32
520-HCA1073-SX	ECS-107-S-1X	10.738635	Series	.46	.41	.37	.32
520-HCA1104-SX	ECS-110.4-S-1X	11.046000	Series	.46	.41	.37	.32
520-HCA1105-20X	ECS-110.5-20-1X	11.059200	20pf	.46	.41	.37	.32
520-HCA1105-32X	ECS-110.5-32-1X	11.059200	32pf	.46	.41	.37	.32
520-HCA1105-SX	ECS-110.5-S-1X	11.059200	Series	.46	.41	.37	.32
520-HCA1122-SX	ECS-112.2-S-1X	11.228000	Series	.46	.41	.37	.32
520-HCA1152-SX	ECS-115.2-S-1X	11.520000	Series	.46	.41	.37	.32
520-HCA1198-SX	ECS-119.8-S-1X	11.981350	Series	.46	.41	.37	.32
520-HCA1200-SX	ECS-120-S-1X	12.000000	Series	.46	.41	.37	.32
520-HCA1200-32X	ECS-120-32-1X	12.000000	32pf	.46	.41	.37	.32
520-HCA1209-SX	ECS-121-S-1X	12.096000	Series	.46	.41	.37	.32
520-HCA1228-20X	ECS-122.8-20-1X	12.288000	20pf	.46	.41	.37	.32
520-HCA1228-SX	ECS-122.8-S-1X	12.288000	Series	.46	.41	.37	.32
520-HCA1351-SX	ECS-135-S-1X	13.516800	Series	.46	.41	.37	.32
520-HCA1469-SX	ECS-146-S-1X	14.690000	Series	.46	.41	.37	.32
520-HCA1474-SX	ECS-147.4-S-1X	14.745600	Series	.46	.41	.37	.32
520-HCA1600-SX	ECS-160-S-1X	16.000000	Series	.46	.41	.37	.32
520-HCA1600-20X	ECS-160-20-1X	16.000000	20pf	.46	.41	.37	.32
520-HCA1601-18X	ECS-160.003-18-1X	16.000312	18pf	.46	.41	.37	.32
520-HCA1800-20X	ECS-180-20-1X	18.000000	20pf	.46	.41	.37	.32
520-HCA1800-SX	ECS-180-S-1X	18.000000	Series	.46	.41	.37	.32
520-HCA1843-20X	ECS-184-20-1X	18.432000	20pf	.46	.41	.37	.32
520-HCA1966-20X	ECS-196.6-20-1X	19.660800	20pf	.46	.41	.37	.32
520-HCA2000-20X	ECS-200-20-1X	20.000000	20pf	.46	.41	.37	.32
520-HCA2000-SX	ECS-200-S-1X	20.000000	Series	.46	.41	.37	.32
520-HCA2400-SX	ECS-240-S-1X	24.000000	Series	.46	.41	.37	.32
520-HCA2401-18X	ECS-240.0001-18-1X	24.000140	18pf	.46	.41	.37	.32
520-HCA3525-18X	ECS-352.5-18-1X	35.251200	18pf	.46	.41	.37	.32
520-HCA3801-18X	ECS-380.005-18.1X	38.000530	18pf	.46	.41	.37	.32
520-HCA4800-SX	ECS-480-S-1X	48.000000	Series	.46	.41	.37	.32
520-HCA4800-20X	ECS-480-20-1X	48.000000	20pf	.46	.41	.37	.32
520-HCA4986-20X	ECS-498.6-20-1X	49.860000	20pf	.46	.41	.37	.32

HC-49US / HC-49USX

RoHS Compliant

- Industrial Range: -40°C to +85°C (±50 ppm)
- Low Profile
- "AT strip" blank technology

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each			
				1	10	100	500
520-HCU357-17X	ECS-35-17-4X	3.579545	17pf	.53	.47	.45	.43
520-HCU357-SX	ECS-35-S-4X	3.579545	Series	.53	.47	.43	.37
520-HCU368-SX	ECS-36-S-4X	3.686400	Series	.53	.47	.43	.37
520-HCU368-18X	ECS-36-18-4X	3.686400	18pf	.53	.47	.43	.37
520-HCU400-20X	ECS-40-20-4X	4.000000	20pf	.46	.41	.37	.32
520-HCU400-SX	ECS-40-S-4X	4.000000	Series	.53	.47	.43	.37
520-HCU409-20X	ECS-41-20-4X	4.096000	20pf	.53	.47	.43	.37
520-HCU409-30X	ECS-41-30-4X	4.096000	30pf	.53	.47	.43	.37
520-HCU419-12X	ECS-42-12-4X	4.194304	12pf	.53	.47	.43	.37
520-HCU443-20X	ECS-44-20-4X	4.433618	20pf	.53	.47	.43	.37
520-HCU500-20X	ECS-50-20-4X	5.000000	20pf	.53	.47	.43	.37
520-HCU500-SX	ECS-50-S-4X	5.000000	Series	.53	.47	.43	.37
520-HCU506-20X	ECS-51-20-4X	5.068800	20pf	.53	.47	.43	.37
520-HCU506-SX	ECS-51-S-4X	5.068800	Series	.53	.47	.43	.37
520-HCU518-32X	ECS-52-32-4X	5.185000	32pf	.53	.47	.43	.37
520-HCU600-32X	ECS-60-32-4X	6.000000	32pf	.53	.47	.43	.37
520-HCU600-SX	ECS-60-S-4X	6.000000	Series	.53	.47	.43	.37
520-HCU614-32X	ECS-61-32-4X	6.144000	32pf	.53	.47	.43	.37
520-HCU650-20X	ECS-65-20-4X	6.500000	20pf	.53	.47	.43	.37
520-HCU655-SX	ECS-6.55-S-4X	6.553600	Series	.53	.47	.43	.37
520-HCU737-20X	ECS-73-20-4X	7.372800	20pf	.53	.47	.43	.37
520-HCU768-20X	ECS-76.8-20-4X	7.680000	20pf	.53	.47	.43	.37
520-HCU800-18X	ECS-80-18-4X	8.000000	18pf	.53	.47	.43	.37
520-HCU800-20X	ECS-80-20-4X	8.000000	20pf	.53	.47	.43	.37
520-HCU800-32X	ECS-80-32-4X	8.000000	32pf	.53	.47	.43	.37
520-HCU800-SX	ECS-80-S-4X	8.000000	Series	.53	.47	.43	.37
520-HCU900-SX	ECS-90-S-4X	9.000000	Series	.53	.47	.43	.37
520-HCU921-SX	ECS-92.1-S-4X	9.216000	Series	.53	.47	.43	.37
520-HCU983-20X	ECS-98.3-20-4X	9.830400	20pf	.53	.47	.43	.37
520-HCU983-SX	ECS-98.3-S-4X	9.830400	Series	.53	.47	.43	.37
520-HCU1000-SX	ECS-100-S-4X	10.000000	Series	.53	.47	.43	.37
520-HCU1100-SX	ECS-110-S-4X	11.000000	Series	.53	.47	.43	.37
520-HCU1105-20X	ECS-110.5-20-4X	11.059200	20pf	.53	.47	.43	.37
520-HCU1105-32X	ECS-110.5-32-4X	11.059200	32pf	.53	.47	.43	.37
520-HCU1105-SX	ECS-110.5-S-4X	11.059200	Series	.53	.47	.43	.37
520-HCU1152-SX	ECS-115.2-S-4X	11.520000	Series	.53	.47	.43	.37
520-HCU1200-SX	ECS-120-S-4X	12.000000	Series	.53	.47	.43	.37
520-HCU1200-20X	ECS-120-20-4X	12.000000	20pf	.53	.47	.43	.37
520-HCU1200-32X	ECS-120-32-4X	12.000000	32pf	.53	.47	.43	.37
520-HCU1209-SX	ECS-121-S-4X	12.096000	Series	.53	.47	.43	.37
520-HCU1228-SX	ECS-122.8-S-4X	12.288000	Series	.53	.47	.43	.37
520-HCU1228-20X	ECS-122.8-20-4X	12.288000	20pf	.53	.47	.43	.37
520-HCU1296-18X	ECS-129-18-4X	12.960000	18pf	.53	.47	.43	.37
520-HCU1474-20X	ECS-147.4-20-4X	14.745600	20pf	.53	.47	.43	.37
520-HCU1474-SX	ECS-147.4-S-4X	14.745600	Series	.53	.47	.43	.37
520-HCU1536-20X	ECS-153-20-4X	15.360000	20pf	.53	.47	.43	.37
520-HCU1600-SX	ECS-160-S-4X	16.000000	Series	.53	.47	.43	.37
520-HCU1600-20X	ECS-160-20-4X	16.000000	20pf	.53	.47	.43	.37
520-HCU1601-18X	ECS-160.003-18-4X	16.000312	18pf	.53	.47	.43	.37
520-HCU1625-20X	ECS-162.5-20-4X	16.257000	20pf	.53	.47	.43	.37
520-HCU1625-SX	ECS-162.5-S-4X	16.257000	Series	.53	.47	.43	.37
520-HCU1800-SX	ECS-180-S-4X	18.000000	Series	.53	.47	.43	.37
520-HCU1843-20X	ECS-184-20-4X	18.432000	20pf	.53	.47	.43	.37
520-HCU1966-20X	ECS-1966-20X	19.660800	20pf	.53	.47	.43	.37
520-HCU2000-SX	ECS-200-S-4X	20.000000	Series	.53	.47	.43	.37
520-HCU2000-20X	ECS-200-20-4X	20.000000	20pf	.53	.47	.43	.37
520-HCU2048-20X	ECS-204.8-20-4X	20.480000	20pf	.53	.47	.43	.37
520-HCU2400-16X	ECS-240-16-4X	24.000000	16pf	.53	.47	.43	.37
520-HCU2400-SX	ECS-240-S-4X	24.000000	Series	.53	.47	.43	.37
520-HCU2457-20X	ECS-245.7-20-4X	24.576000	20pf	.53	.47	.43	.37
520-HCU2500-18X	ECS-250-18-4X-F	25.000000	18pf	.53	.47	.43	.37
520-HCU4800-20X	ECS-480-20-4X	48.000000	20pf	.53	.47	.43	.37
520-HCU357-17DNX	ECS-35-17-4X-DN	3.579545	17pf	1.04	.92	.88	.83
520-HCU368-20DNX	ECS-36-20-4X-DN	3.686400	20pf	1.09	.98	.81	.71
520-HCU400-20DNX	ECS-40-20-4X-DN	4.000000	20pf	1.09	.98	.81	.71
520-HCU600-32DNX	ECS-60-32-4X-DN	6.000000	32pf	1.09	.98	.81	.71
520-HCU737-20DNX	ECS-73-20-4X-DN	7.372800	20pf	1.09	.98	.81	.71
520-HCU800-18DNX	ECS-80-18-4X-DN	8.000000	18pf	1.09	.98	.81	.71
520-HCU1200-20DNX	ECS-120-20-4X-DN	12.000000	20pf	1.09	.98	.81	.71
520-HCU1431-20DNX	ECS-143-20-4X-DN	14.318100	20pf	1.09	.98	.81	.71
520-HCU1600-20DNX	ECS-160-20-4X-DN	16.000000	20pf	1.09	.98	.81	.71
520-HCU1843-20DNX	ECS-184-20-4X-DN	18.432000	20pf	1.09	.98	.81	.71
520-HCU2000-20DNX	ECS-200-20-4X-DN	20.000000	20pf	1.09	.98	.81	.71
520-HCU2400-20DNX	ECS-240-20-4X-DN	24.000000	20pf	1.09	.98	.81	.71

ECS Microprocessor Crystals

ECS INC. CSM-7 HC49SM

The CSM-7 is an excellent choice for the SMD version of the HC-49US leaded crystal. The CSM-7 has a case height of 4.3mm maximum in a resistance weld metal package.

Specifications:

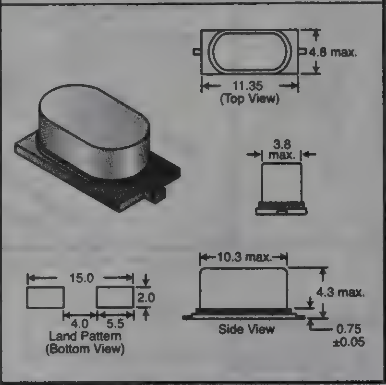
- Frequency tolerance: ±30 ppm
- Extended temperature: +25°C to ±30 ppm
- Shunt capacitance: 7.0pF
- Load capacitance: specified or series
- Operating temp. Range: -10°C to +70°C
- Industrial Range: -40°C + 85°C (50 ppm)
- Storage temperature: -30°C to +85°C

Features:

- Cost effective
- Space saving design
- Low profile

RoHS Compliant

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
520-CSM357-17-X	ECS-35-17-5PX	3.579545	17pf	.78	.67	.53	.47
520-CSM368-S-X	ECS-36-S-5PX	3.6864	Series	.78	.67	.53	.47
520-CSM368-20-X	ECS-36-20-5PX	3.6864	20pf	.78	.67	.53	.47
520-CSM400-20-X	ECS-40-20-5PX	4.0000	20pf	.78	.67	.53	.47
520-CSM403-20-X	ECS-40.3-20-5PX	4.032000	20pf	.78	.67	.53	.47
520-CSM409-20-X	ECS-41-20-5PX	4.096000	20pf	.78	.67	.53	.47
520-CSM419-12-X	ECS-42-12-5PX	4.194304	12pf	.78	.67	.53	.47
520-CSM491-S-X	ECS-49-S-5PX	4.9152	Series	.78	.67	.53	.47
520-CSM491-20-X	ECS-49-20-5PX	4.9152	20pf	.78	.67	.53	.47
520-CSM500-20-X	ECS-50-20-5PX	5.000000	20pf	.68	.58	.46	.41
520-CSM500-S-X	ECS-50-S-5PX	5.000000	Series	.78	.67	.53	.47
520-CSM600-32-X	ECS-60-32-5PX	6.000000	32pf	.78	.67	.53	.47
520-CSM600-S-X	ECS-60-S-5PX	6.000000	Series	.78	.67	.53	.47
520-CSM614-32-X	ECS-61-32-5PX	6.144000	32pf	.78	.67	.53	.47
520-CSM655-S-X	ECS-65.5-S-5PX	6.553600	Series	.78	.67	.53	.47
520-CSM737-20-X	ECS-73-20-5PX	7.372800	20pf	.78	.67	.53	.47
520-CSM800-18-X	ECS-80-18-5PX	8.0000	18pf	.78	.67	.53	.47
520-CSM800-32-X	ECS-80-32-5PX	8.0000	32pf	.78	.67	.53	.47
520-CSM800-S-X	ECS-80-S-5PX	8.0000	Series	.78	.67	.53	.47
520-CSM921-S-X	ECS-92.1-S-5PX	9.216000	Series	.78	.67	.53	.47
520-CSM983-S-X	ECS-98.3-S-5PX	9.8304	Series	.78	.67	.53	.47
520-CSM1000-S-X	ECS-100-S-5PX	10.000000	Series	.78	.67	.53	.47
520-CSM1105-32-X	ECS-110.5-32-5PX	11.0592	32pf	.78	.67	.53	.47
520-CSM1105-20-X	ECS-110.5-20-5PX	11.0592	20pf	.78	.67	.53	.47
520-CSM1105-S-X	ECS-110.5-S-5PX	11.0592	Series	.78	.67	.53	.47
520-CSM1200-S-X	ECS-120-S-5PX	12.000000	Series	.78	.67	.53	.47
520-CSM1228-20-X	ECS-122.8-20-5PX	12.288000	20pf	.78	.67	.53	.47
520-CSM1228-S-X	ECS-122.8-S-5PX	12.288000	Series	.78	.67	.53	.47
520-CSM1431-S-X	ECS-143-S-5PX	14.318180	Series	.78	.67	.53	.47
520-CSM1600-20-X	ECS-160-20-5PX	16.000000	20pf	.78	.67	.53	.47
520-CSM1600-S-X	ECS-160-S-5PX	16.000000	Series	.78	.67	.53	.47
520-CSM1843-S-X	ECS-184-S-5PX	18.432000	Series	.78	.67	.53	.47
520-CSM2000-20-X	ECS-200-20-5PX	20.000000	20pf	.78	.67	.53	.47
520-CSM2048-20-X	ECS-204.8-20-5PX	20.480000	20pf	.78	.67	.53	.47
520-CSM2457-20-X	ECS-245.7-20-5PX	24.576000	20pf	.78	.67	.53	.47
520-CSM2500-18-X	ECS-250-18-5PX	25.000000	18pf	.78	.67	.53	.47
520-CSM4800-20-X	ECS-480-20-5PX	48.000000	20pf	.68	.58	.46	.41
Extended Temperature Range (-40°C to + 85°C ± 50 ppm)							
520-CSM357-17DN-X	ECS-35-17-5PX-DN	3.579545	17pf	1.50	1.27	.99	.81
520-CSM368-20DN-X	ECS-36-20-5PX-DN	3.686400	20pf	1.50	1.27	.99	.81
520-CSM400-20DN-X	ECS-40-20-5PX-DN	4.000000	20pf	1.50	1.27	.99	.81
520-CSM600-32DN-X	ECS-60-32-5PX-DN	6.000000	32pf	1.50	1.27	.99	.81
520-CSM737-20DN-X	ECS-73-20-5PX-DN	7.372800	20pf	1.50	1.27	.99	.81
520-CSM800-18DN-X	ECS-80-18-5PX-DN	8.000000	18pf	1.50	1.27	.99	.81
520-CSM1200-20DN-X	ECS-120-20-5PX-DN	12.000000	20pf	1.50	1.27	.99	.81
520-CSM1431-20DN-X	ECS-143-20-5PX-DN	14.318180	20pf	1.30	1.10	.86	.70
520-CSM1600-20DN-X	ECS-160-20-5PX-DN	16.000000	20pf	1.50	1.27	.99	.81
520-CSM1843-20DN-X	ECS-184-20-5PX-DN	18.432000	20pf	1.50	1.27	.99	.81
520-CSM1966-20DN-X	ECS-196-20-5PX-DN	19.660800	20pf	1.50	1.27	.99	.81
520-CSM2000-20DN-X	ECS-200-20-5PX-DN	20.000000	20pf	1.50	1.27	.99	.81
520-CSM2400-20DN-X	ECS-240-20-5PX-DN	24.000000	20pf	1.50	1.27	.99	.81

ECS INC. CSM-8A

The CSM-8A Series is a very cost effective, low profile SMD quartz crystal. It is ideal for PCMCIA, ethernet, and fax modem card applications. Additional land pads available. Contact a Mouser Sales Representative for more information.

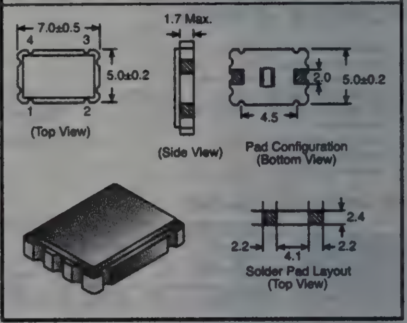
Specifications:

- Frequency tolerance: ±30 ppm
- Shunt capacitance: 5.0pF
- Load capacitance: standard or series
- Operating temperature: -10°C to +70°C
- Storage temperature: -40°C to +85°C

Features:

- Glass sealed cermic package
- Tight stability/high reliability
- Wide frequency range
- High frequency fundamental availablity
- Three optional footprints

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
520-CSQ1000-S	ECS-100-S-20A	10.000000	Series	3.11	2.91	2.50	2.17
520-CSQ1105-20	ECS-110.5-20-20A	11.059200	20pf	3.11	2.91	2.50	2.17
520-CSQ1431-S	ECS-143-S-20A	14.318180	Series	3.11	2.91	2.50	2.17
520-CSQ1431-20	ECS-143-20-20A	14.318180	20pf	3.11	2.91	2.50	2.17
520-CSQ1600-20	ECS-160-20-20A	16.000000	20pf	3.11	2.91	2.50	2.17
520-CSQ1966-S	ECS-196.6-A-20A	19.660800	Series	3.11	2.91	2.50	2.17
520-CSQ2000-S	ECS-200-S-20A	20.000000	Series	3.11	2.91	2.50	2.17
520-CSQ2400-20	ECS-240-20-20A	24.000000	20pf	3.11	2.91	2.50	2.17
520-CSQ3000-S	ECS-300-S-20A	30.000000	Series	3.11	2.91	2.50	2.17
520-CSQ3300A-S	ECS-330-S-20A	33.000000	Series	3.11	2.91	2.50	2.17
520-CSQ3600-S	ECS-360-S-20A-F	36.000000	Series	3.11	2.91	2.50	2.17
520-CSQ4000A-S	ECS-400-S-20A	40.000000	Series	3.11	2.91	2.50	2.17
520-CSQ4800-20	ECS-480-20-20A	48.000000	20pf	3.11	2.91	2.50	2.17

ECS INC. ECX-3S

This wide frequency range SMD quartz crystal is an excellent choice for surface mount applications. The ruggedized molded package is made from the same thermoplastic that is industry standard for integrated circuits.

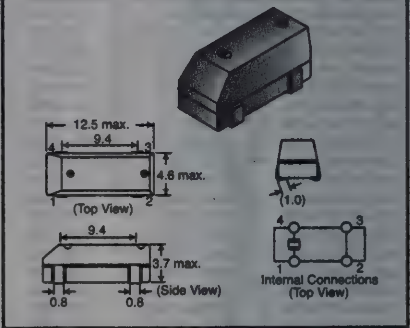
Specifications:

- Frequency tolerance: ±30 pm
- Shunt capacitance: 7.0pF
- Load capacitance: standard or series
- Operating temperature Range: -10°C to +70°C
- Storage temperature: -40°C to +85°C

Features:

- Low profile
- Industry standard footprint
- High temperature seal capabilities
- Excellent shock resistance
- Excellent environmental characteristics

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
520-ECX368-S	ECS-36-S-7S	3.6864	Series	2.16	1.73	1.38	1.21
520-ECX400-20	ECS-40-20-7S	4.0000	20pf	2.16	1.73	1.38	1.21
520-ECX491-S	ECS-49-S-7S	4.915200	Series	2.16	1.73	1.38	1.21
520-ECX614-32	ECS-61-32-7S	6.144000	32pf	2.16	1.73	1.38	1.21
520-ECX655-12	ECS-65-12-7S	6.553600	12pf	2.16	1.73	1.38	1.21
520-ECX800-16	ECS-80-16-7S	8.0000	16pf	2.16	1.73	1.38	1.21
520-ECX983-20	ECS-98.3-20-7S	9.8304	20pf	2.16	1.73	1.38	1.21
520-ECX1200-S	ECS-120-S-7S	12.0000	Series	2.16	1.73	1.38	1.21
520-ECX1200-18	ECS-120-18-7S	12.0000	18pf	2.16	1.73	1.38	1.21
520-ECX1200-32	ECS-120-32-7S	12.0000	32pf	2.16	1.73	1.38	1.21
520-ECX1228-S	ECS-122.8-S-7S	12.2880	Series	2.16	1.73	1.38	1.21
520-ECX1228-20	ECS-122.8-20-7S	12.2880	20pf	2.16	1.73	1.38	1.21
520-ECX1431-20	ECS-143-20-7S	14.318180	20pf	2.16	1.73	1.38	1.21
520-ECX1843-S	ECS-184-S-7S	18.432000	Series	2.16	1.73	1.38	1.21
520-ECX2000-16	ECS-200-16-7S	20.000000	16pf	2.16	1.73	1.38	1.21
520-ECX2000-S	ECS-200-S-7S	20.000000	Series	2.16	1.73	1.38	1.21

ECS INC. CSM-12 SURFACE MOUNT DEVICE

The CSM-12 is enclosed in a ceramic package. It is an excellent choice for a full size version of our miniature quartz crystal. The CSM-12 has a low profile dimension of 2.5mm.

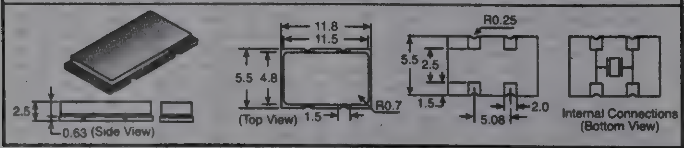
Specifications:

- Frequency tolerance: ±30 ppm
- Shunt capacitance: 7.0pF
- Load capacitance: standard or series
- Mode of oscillation: fundamental

Features:

- Cost effective, low profile
- Space saving design

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

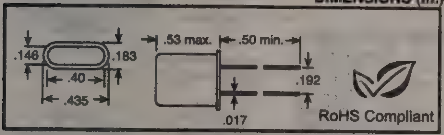
MOUSER STOCK NO.	ECS Part Number	Frequency (MHz)	Load Cap.	Price Each 1	10	100	500
520-CSR357-17	ECS-35-17-18	3.579545	17pf	1.56	1.40	1.25	1.09
520-CSR368-20	ECS-36-20-18	3.686400	20pf	1.56	1.40	1.25	1.09
520-CSR400-20	ECS-40-20-18	4.000000	20pf	1.56	1.40	1.25	1.09
520-CSR983-20	ECS-98.3-20-18	9.830400	20pf	1.56	1.40	1.25	1.09
520-CSR1105-S	ECS-110.5-S-18	11.059200	Series	1.56	1.40	1.25	1.09
520-CSR1200-S	ECS-120-S-18	12.000000	Series	1.56	1.40	1.25	1.09
520-CSR1431-S	ECS-143-S-18	14.318180	Series	1.56	1.40	1.25	1.09
520-CSR1431-18	ECS-143-20-18	14.318180	18pF	1.56	1.40	1.25	1.09
520-CSR1843-S	ECS-184-S-18	18.432000	Series	1.56	1.40	1.24	1.09
520-CSR2000-S	ECS-200-S-18	20.000000	Series	1.56	1.40	1.25	1.09

FOX Microprocessor Crystals

FOX HC49U CRYSTALS

- Operating temp.: -20°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 1.0-3.0MHz, 0.1/5.0mW 3.0-32.0MHz, 0.1/2.0mW
- Maximum height: .530"

DIMENSIONS (in.)



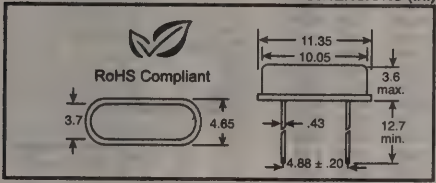
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
559-FOX018S-LF	1.843200	13pF	1.61	1.31	1.20
559-FOX020S-LF	2.000000	20pF	1.61	1.31	1.20
559-FOX021S-LF	2.097152	20pF	1.61	1.31	1.20
559-FOX024S-LF	2.457600	32pF	.91	.74	.68
559-FOX036S-LF	3.579545	18pF	.47	.39	.35
559-FOX0368-20-LF	3.686400	20pF	.47	.39	.37
559-FOX040-LF	4.000000	20pF	.47	.39	.37
559-FOX041-LF	4.194304	12pF	.47	.39	.37
559-FOX0443-LF	4.433619	20pF	.47	.39	.37
559-FOX049-20-LF	4.915200	20pF	.47	.39	.37
559-FOX073-20-LF	7.372800	20pF	.47	.39	.37
559-FOX080-20-LF	8.000000	20pF	.47	.39	.37
559-FOX098-20-LF	9.830400	20pF	.47	.39	.37
559-FOX100-LF	10.000000	Series	.47	.39	.37
559-FOX111-20-LF	11.000000	20pF	.47	.39	.37
559-FOX115-20-LF	11.059200	20pF	.47	.39	.37
559-FOX120-20-LF	12.000000	20pF	.47	.39	.37
559-FOX128-20-LF	12.288000	20pF	.47	.39	.37
559-FOX143-20-LF	14.318180	20pF	.44	.38	.35
559-FOX147-20-LF	14.7456	20pF	.47	.39	.37
559-FOX160-20-LF	16.000000	20pF	.47	.39	.37
559-FOX196-20-LF	19.660800	20pF	.51	.43	.41
559-FOX200-20-LF	20.000000	20pF	.51	.43	.41
559-FOX221-20-LF	22.118400	20pF	.51	.43	.41
559-FOX240F-20-LF	24.000000	20pF	.55	.47	.44
559-FOX245F-20-LF	24.576000	20pF	.55	.47	.44
559-FOX250F-20-LF	25.000000	20pF	.55	.47	.44
559-FOX320-20-LF	32.000000	20pF	.47	.39	.37
559-FOX500-20-LF	50.000000	20pF	1.10	.93	.88

FOX HC49S CRYSTALS

- Operating temperature: -20°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 0.1mW/1.0m
- Maximum height: .142"

DIMENSIONS (in.)



For quantities of 250 and up, call for quote.

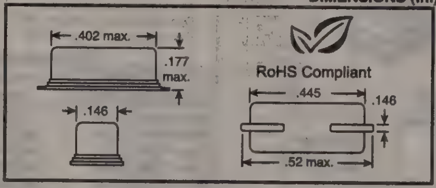
MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	50
559-FOXS036S-LF	3.579545	18pF	.67	.58	.53
559-FOXS0368S-20-LF	3.686400	20pF	.67	.58	.53
559-FOXS040-LF	4.000000	20pF	.57	.49	.45
559-FOXS0496-20-LF	4.096000	20pF	.57	.49	.45
559-FOXS041-LF	4.194304	12pF	.57	.49	.45
559-FOXS0443-LF	4.433619	20pF	.57	.49	.45
559-FOXS049-20-LF	4.915200	20pF	.57	.49	.45
559-FOXS073-20-LF	7.372800	20pF	.57	.49	.43
559-FOXS080-20-LF	8.000000	20pF	.57	.49	.45
559-FOXS081-20-LF	8.192000	20pF	.57	.49	.45
559-FOXS098-20-LF	9.830400	20pF	.57	.49	.45
559-FOXS100-20-LF	10.000000	20pF	.57	.49	.45
559-FOXS111-20-LF	11.000000	20pF	.57	.49	.45
559-FOXS115-20-LF	11.059200	20pF	.57	.49	.45
559-FOXS120-20-LF	12.000000	20pF	.57	.49	.45
559-FOXS128-20-LF	12.288000	20pF	.57	.49	.45
559-FOXS143-20-LF	14.318180	20pF	.42	.36	.33
559-FOXS147-20-LF	14.745600	20pF	.57	.49	.45
559-FOXS160-20-LF	16.000000	20pF	.57	.49	.45
559-FOXS184-20-LF	18.432000	20pF	.57	.49	.45
559-FOXS196-20-LF	19.660800	20pF	.57	.49	.45
559-FOXS200-20-LF	20.000000	20pF	.57	.49	.45
559-FOXS221-20-LF	22.118400	20pF	.57	.49	.45
559-FOXS240F-20-LF	24.000000	20pF	.64	.55	.51
559-FOXS245F-20-LF	24.576000	20pF	.64	.55	.51
559-FOXS250F-20-LF	25.000000	20pF	.64	.55	.51

RoHS Compliant **This page of product is compliant.**

FOX HC49SM SMD CRYSTALS

- Operating temp.: 0°C to +70°C
- Frequency tolerance: ±30PPM
- Aging: ±5PPM per year max.
- Drive level (typ./max.): 0.1mW/1.0mW
- Maximum height: .177"

DIMENSIONS (in.)



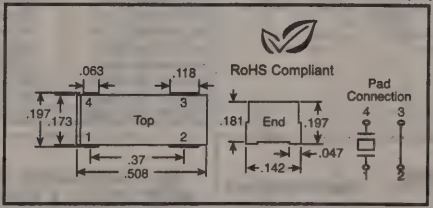
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
559-FOXSD036S-LF	3.579545	18pF	.69	.59	.51
559-FOXSD0368-20-LF	3.686400	20pF	.69	.59	.51
559-FOXSD040-LF	4.000000	20pF	.69	.59	.51
559-FOXSD041-LF	4.194304	12pF	.69	.59	.51
559-FOXSD0443-LF	4.433619	20pF	.69	.59	.51
559-FOXSD049-20-LF	4.915200	20pF	.69	.59	.51
559-FOXSD05A-LF	5.000000	20pF	.69	.59	.51
559-FOXSD060-20-LF	6.000000	20pF	.69	.59	.51
559-FOXSD073-20-LF	7.372800	20pF	.69	.59	.51
559-FOXSD080-20-LF	8.000000	20pF	.69	.59	.51
559-FOXSD081-20-LF	8.192000	20pF	.69	.59	.51
559-FOXSD098-20-LF	9.830400	20pF	.69	.59	.51
559-FOXSD100-20-LF	10.000000	20pF	.69	.59	.51
559-FOXSD111-20-LF	11.000000	20pF	.69	.59	.51
559-FOXSD115-20-LF	11.059200	20pF	.69	.59	.51
559-FOXSD120-20-LF	12.000000	20pF	.69	.59	.51
559-FOXSD128-20-LF	12.288000	20pF	.69	.59	.51
559-FOXSD143-20-LF	14.318180	20pF	.69	.59	.51
559-FOXSD147-20-LF	14.745600	20pF	.69	.59	.51
559-FOXSD160-20-LF	16.000000	20pF	.69	.59	.51
559-FOXSD184-20-LF	18.432000	20pF	.69	.59	.51
559-FOXSD196-20-LF	19.660800	20pF	.69	.59	.51
559-FOXSD200-20-LF	20.000000	20pF	.69	.59	.51
559-FOXSD221-20-LF	22.118400	20pF	.69	.59	.51
559-FOXSD240F-20-LF	24.000000	20pF	.78	.67	.58
559-FOXSD245F-20-LF	24.576000	20pF	.78	.67	.58
559-FOXSD250F-20-LF	25.000000	20pF	.78	.67	.58
559-FOXSD270F-20-LF	27.00000	20pF	.78	.67	.58
559-FOXSD320-20-LF	32.000000	20pF	.74	.64	.55
559-FOXSD480-20-LF	48.000000	20pF	.74	.64	.55
559-FOXSD500-20-LF	50.000000	20pF	.74	.64	.55
559-FOXSD564-18-LF	56.448000	18pF	.88	.76	.66
559-FOXSD600-20-LF	60.000000	20pF	.88	.76	.66
559-FOXSD640-20-LF	64.000000	20pF	.99	.85	.74

FOX ENCAPSULATED SMD CRYSTALS

- Operating temp.: -10°C to +70°C
- Frequency tolerance: ±50PPM
- Aging: ±5PPM per year max
- Drive level (typ./max.): 0.1mW/1.0mW
- Maximum height: .197"

DIMENSIONS (in.)



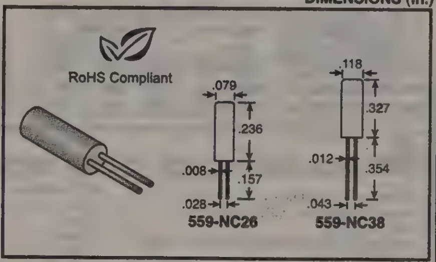
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
559-FPX036S-LF	3.579545	18pF	1.91	1.31	1.08
559-FPX0368-20-LF	3.686400	20pF	1.66	1.55	1.50
559-FPX073-20-LF	7.372800	20pF	1.91	1.31	1.08
559-FPX080-20-LF	8.000000	20pF	1.91	1.31	1.08
559-FPX100-20-LF	10.000000	20pF	1.91	1.31	1.08
559-FPX115-20-LF	11.059200	20pF	1.91	1.31	1.08
559-FPX120-20-LF	12.000000	20pF	1.91	1.31	1.08
559-FPX143-20-LF	14.318180	20pF	1.91	1.31	1.08
559-FPX160-20-LF	16.000000	20pF	1.91	1.31	1.08
559-FPX184-20-LF	18.432000	20pF	1.91	1.31	1.08
559-FPX200-20-LF	20.000000	20pF	1.91	1.31	1.08
559-FPX240F-20-LF	24.000000	20pF	1.91	1.31	1.08
559-FPX245F-20-LF	24.576000	20pF	1.91	1.31	1.08
559-FPX250F-20-LF	25.000000	20pF	1.91	1.31	1.08

FOX TUNING FORK WATCH CRYSTALS

- Frequency tolerance: ±20PPM
- Load capacitance: 12.5pF
- Equivalent series resistance:
  559-NC26 30k/50kΩ (typ./max.)
  559-NC38 18k/35kΩ (typ./max.)
- Insulation resistance: 100MΩ
- Drive level: 1.0μW
- Aging: ±3PPM/year @ 25°C
- Operating temp.: -10°C to +60°C
- Storage temp.: -20°C to +70°C

DIMENSIONS (in.)



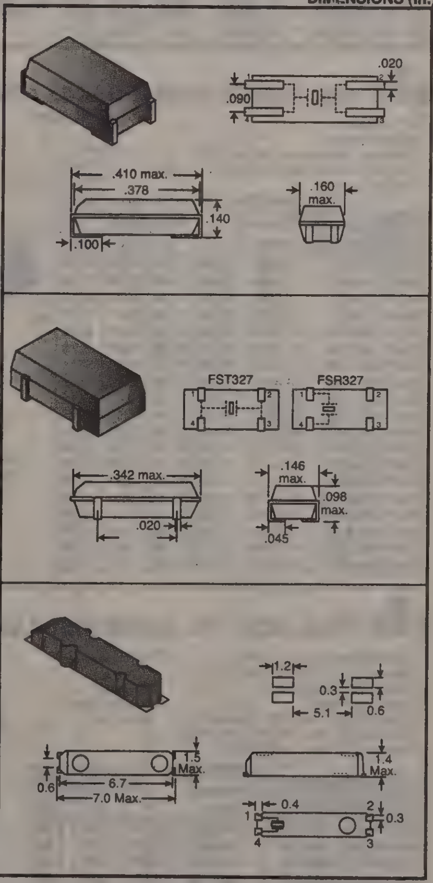
MOUSER STOCK NO.	Frequency (KHz)	Price Each		
		1	10	100
559-NC26-LF	32.768000	.63	.53	.45
559-NC38-LF	32.768000	.63	.53	.45

FOX SMD TUNING FORK WATCH CRYSTALS

- For applications that require the watch frequency (32.76 kHz).
- Sturdy thermoplastic housing
- 2.5mm height max.
- Operating temp.: -40°C to +85°C
- Frequency tolerance: ±20PPM

RoHS Compliant

DIMENSIONS (in.)



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Frequency (kHz)	Price Each		
			1	10	100
559-FSM327	A	32.768	1.14	1.07	1.04
559-FSR327	B	32.768	1.00	.95	.91
559-FSX327	C	32.768	3.38	2.96	2.62

FOX Oscillators

RoHS Compliant **This page of product is compliant.**

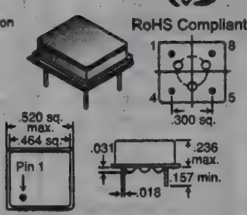
HALF SIZE HIGH SPEED CMOS TRI-STATE OSCILLATORS

DIMENSIONS (In.)

- Operating temp.: -10°C to +70°C (H5C2), 0°C to +70°C (H5C2E)
- Output symmetry: 45%/55% (min./max.)
- Storage temp.: -55°C to +125°C
- Supply volt.: 5.0VDC ±0.5
- Frequency stability: ±100PPM

Pin Connections:
1 - Enable/Disable Function
4 - GND (Case)
5 - Output
8 - +5VDC

RoHS Compliant



For quantities of 500 and up, call for quote.

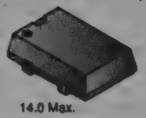
MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-H5C2E-368-LF	3.686400	2.68	2.45	2.25
559-H5C2E-1600-LF	16.000000	2.68	2.45	2.25
559-H5C2E-2000-LF	20.000000	2.68	2.45	2.25

FSO2 SMD HCMOS CLOCK OSCILLATORS

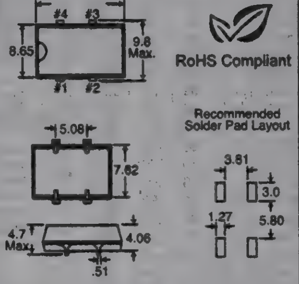
DIMENSIONS (mm)

- Operating Temperature: -22°C ~ +70°C
- Storage Temperature: -55°C ~ +125°C
- Vdd: 5.0V ±0.5
- Frequency Stability: ±100ppm @ -20°C ~ +70°C
- HCMOS/TTL Output

Pin Connections:
1 - E/D
2 - GND
3 - Output
4 - Vdd



RoHS Compliant



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-FSO2-1.84-LF	1.84320	3.09	2.85	2.61
559-FSO2-2-LF	2.00000	3.09	2.85	2.61
559-FSO2-4-LF	4.00000	3.09	2.85	2.61
559-FSO2-8-LF	8.00000	3.09	2.85	2.61
559-FSO2-10-LF	10.00000	3.09	2.85	2.61
559-FSO2-12-LF	12.00000	3.09	2.85	2.61
559-FSO2-14.3-LF	14.31818	3.09	2.85	2.61
559-FSO2-16-LF	16.00000	3.09	2.85	2.61
559-FSO2-20-LF	20.00000	3.09	2.85	2.61
559-FSO2-32-LF	32.00000	3.09	2.85	2.61
559-FSO2-40-LF	40.00000	3.09	2.85	2.61
559-FSO2-48-LF	48.00000	3.09	2.85	2.61
559-FSO2-50-LF	50.00000	3.09	2.85	2.61
559-FSO2-60-LF	60.00000	3.67	3.39	3.11
559-FSO2-64-LF	64.00000	3.67	3.39	3.11
559-FSO2-66.6-LF	66.66670	3.67	3.39	3.11

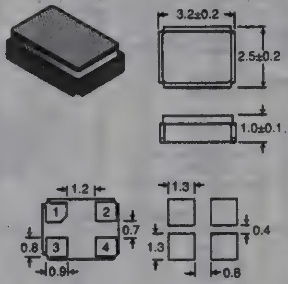
F330 SERIES CLOCK OSCILLATORS

DIMENSIONS (mm)

- 3.3V Operation
- Standby Function
- Operating Temperature: -10°C ~ +70°C
- Frequency Stability: ±50ppm @ -10°C ~ +70°C
- HCMOS Output

Pin Connections:
1 - E/D
2 - GND
3 - Output
4 - VDD

RoHS Compliant



For quantities of 100 and up, call for quote.

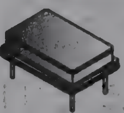
MOUSER STOCK NO.	Frequency (MHz)	Price Each			
		1	5	10	50
559-F335-184	1.8432	13.08	11.45	9.81	9.16
559-F335-368	3.6864	13.08	11.45	9.81	9.16
559-F335-400	4.0000	13.08	11.45	9.81	9.16
559-F335-800	8.0000	13.08	11.45	9.81	9.16
559-F335-1000	10.0000	13.08	11.45	9.81	9.16
559-F335-1105	11.0592	13.08	11.45	9.81	9.16
559-F335-1200	12.0000	13.08	11.45	9.81	9.16
559-F335-1843	18.4320	13.08	11.45	9.81	9.16
559-F335-2000	20.0000	13.08	11.45	9.81	9.16
559-F338-2200	22.0000	14.90	13.04	11.18	10.43
559-F335-2400	24.0000	13.08	11.45	9.81	9.16
559-F335-2457	24.5760	13.08	11.45	9.81	9.16
559-F335-2500	25.0000	13.08	11.45	9.81	9.16
559-F335-2700	27.0000	13.08	11.45	9.81	9.16
559-F335-3200	32.0000	13.08	11.45	9.81	9.16
559-F335-4000	40.0000	13.08	11.45	9.81	9.16
559-F335-4400	44.0000	13.08	11.45	9.81	9.16
559-F335-4800	48.0000	13.08	11.45	9.81	9.16
559-F335-5000	50.0000	13.08	11.45	9.81	9.16

FULL SIZE TTL CLOCK OSCILLATORS

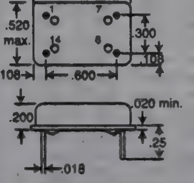
DIMENSIONS (in.)

- Operating temp.: 0°C to +70°C
- Storage temp.: -55°C to +125°C
- Supply volt.: 5.0VDC ±0.5
- Output symmetry:
  1.000 to 7.999 = 45%/55% (min/max)
  8.000 to 100.000 = 40%/60% (min/max)
- Frequency Stability: ±100PPM

Pin Connections:
1 - N.C
8 - Output
7 - GND (Case)
14 - +5VDC



RoHS Compliant



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-F1100E-184-LF	1.843200	2.27	2.07	1.88
559-F1100E-368-LF	3.686400	2.27	2.07	1.88
559-F1100E-400-LF	4.000000	2.27	2.07	1.88
559-F1100E-800-LF	8.000000	2.27	2.07	1.88
559-F1100E-1000-LF	10.000000	2.27	2.07	1.88
559-F1100E-1105-LF	11.059200	2.27	2.07	1.88
559-F1100E-1200-LF	12.000000	2.27	2.07	1.88
559-F1100E-1600-LF	16.000000	2.27	2.07	1.88
559-F1100E-2000-LF	20.000000	2.27	2.07	1.88
559-F1100E-4000-LF	40.000000	4.35	3.95	3.59
559-F1100E-8000-LF	80.000000	2.27	2.07	1.88

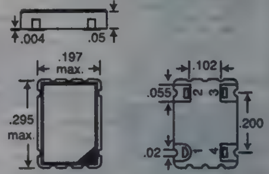
MINI SMD HCMOS OSCILLATORS

DIMENSIONS (In.)

- Sealed ceramic package
- For applications such as portable computers and peripherals, telecommunication devices and instrumentation.
- Operating temp: -10°C to +70°C
- Frequency stability: ±100PPM

Pin Connections:
1 - Enable/Disable Function
2 - GND
3 - Output
4 - +5VDC

RoHS Compliant



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-F3345-184	1.843200	4.51	4.23	4.09
559-F3345-1000	10.000000	8.15	7.35	6.50
559-F3345-1431	14.318118	4.51	4.23	4.09
559-F3345-2400	24.000000	4.51	4.23	4.09
559-F3345-2500	25.000000	6.82	6.40	6.18
559-F3345-3200	32.000000	8.15	7.35	6.50
559-F3345-4000	40.000000	4.51	4.23	4.09
559-F3345-5000	50.000000	4.67	4.38	4.23
559-F3345-6400	64.000000	5.44	4.94	4.77

VOLTAGE CONTROLLED TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS (VCTCXO)

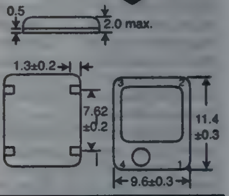
These SMD TCXOs are suitable for a variety of cost effective applications which require excellent frequency stability.

DIMENSIONS (mm)

RoHS Compliant

- Operating temp.: -30°C to +75°C
- Storage temp.: -35°C to +80°C
- Frequency stability: over temperature range: ± 2.5PPM
  over supply voltage change: ±0.3PPM
  over load change: ±0.3PPM
- Aging: ±0.8PPM/year @ 25°C
- Input current: 2.0mA
- Output load: 10KΩ, 10pF
- Supply volt.: +2.85 (min.) +3.15 (max.)

Pin Connections:
1 - N.C or Vc
2 - GND
3 - Output
4 - V_{DD}



MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-FOX801BE-1000-LF	10.000000	19.64	17.85	15.17
559-FOX801BE-1280-LF	12.800000	19.64	17.85	15.17
559-FOX801BE-1440-LF	14.400000	19.64	17.85	15.17
559-FOX801BE-1600-LF	16.000000	19.64	17.85	15.17
559-FOX801BE-1920-LF	19.200000	19.64	17.85	15.17

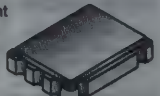
SMD HCMOS 3.3V CLOCK OSCILLATORS

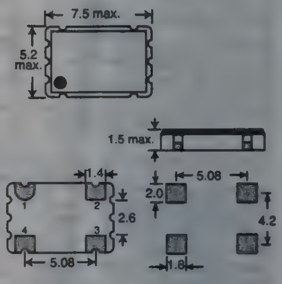
DIMENSIONS (mm)

- Operating temp.: -10°C to +70°C
- Storage temp.: -55°C to +125°C
- Supply volt.: 3.3VDC ±10%
- Frequency Stability: ±100PPM
- Output symmetry:
  1.544 to 50.000 = 45%/55% (min/max)
  50.000 to 106.25 = 40%/60% (min/max)

Pin Connections:
1 - Enable/Disable
2 - GND
3 - Output
4 - 3.3VDC

RoHS Compliant





For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-F4100-184	1.843200	4.69	4.40	4.25
559-F4100-1000	10.000000	4.69	4.40	4.25
559-F4100-1431	14.318180	4.69	4.40	4.25
559-F4100-1600	16.000000	4.69	4.40	4.25
559-F4100-2000	20.000000	4.69	4.40	4.25
559-F4100-2500	25.000000	4.69	4.40	4.25
559-F4100-3200	32.000000	4.69	4.40	4.25
559-F4100-3333	33.333000	4.69	4.40	4.25
559-F4100-4000	40.000000	4.69	4.40	4.25
559-F4100-5000	50.000000	4.83	4.53	4.38
559-F4100-6666	66.666700	5.44	5.10	4.93
559-F4105-7500	75.000	7.14	6.25	5.36
559-F4105-7776	77.760	7.14	6.25	5.36
559-F4105-8000	80.000	8.14	7.25	6.36
559-F4105-9000	90.000	7.14	6.25	5.36
559-F4105-10000	100.000	15.64	13.69	11.73
559-F4105-10625	106.250	15.64	13.69	11.73
559-F4105-12500	125.000	15.64	13.69	11.73

VOLTAGE CONTROLLED CRYSTAL OSCILLATORS (VCXO)

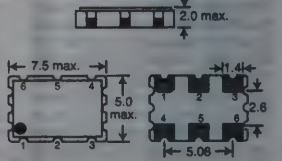
DIMENSIONS (mm)

These SMD VCXOs are a tight stability, VCXO that is available in a wide range of stability and pullability options. It was designed to be a general purpose VCXO with minimum utilization of board space.

- Operating temp.: -10°C to +70°C
- Storage temp.: -40°C to +85°C
- Frequency stability: ± 50PPM
- Input current: 1.0-30MHz - 15mA
  30.0-45.0MHz - 25mA
- Output load: HCMOS - 15pF
- Supply volt.: +3.0 (min.) +3.6 (max.)
- Control volt.: +0.15V (min.) +3.15V (max.)

Pin Connections:
1 - Vcont
2 - E/D
3 - GND
4 - Output
5 - N.C
6 - V_{DD}

RoHS Compliant



MOUSER STOCK NO.	Frequency (MHz)	Price Each		
		1	10	100
559-VCS25AXT-409	4.096000	8.99	8.43	8.15
559-VCS25AXT-819	8.192000	8.99	8.43	8.15
559-VCS25AXT-1228	12.288000	8.99	8.43	8.15
559-VCS25AXT-1638	16.384000	7.12	6.68	6.45
559-VCS25AXT-2700	27.000000	7.12	6.68	6.45
559-VCS25AXT-4473	44.736000	7.55	7.08	6.84

MURATA Ceramic Resonators

CERAMIC RESONATORS (CERALOCK®)
CHIP TYPE THREE-TERMINALS CSTCC/E/R/W SERIES

Murata's package technology expertise has enabled the development of the Chip "CERALOCK®" with built-in load capacitors. High-density mounting can be realized because of the small package and the elimination of the need for an external load capacitor.

Features:
- Oscillation circuits do not require external load capacitors.
- The resonators are extremely small and have a low profile.
- No adjustment is necessary for oscillation circuits.

Application:
- Clock oscillators for microprocessors.
- Electronic control circuits for small electronic equipment
- Audio-visual applications (Camcorder, Remote Controller, etc.)
- Office automation equipment (DVD, CD-ROM, HDD, FDD, etc.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Frequency (MHz)	Tolerance ±	Temperature Range (°C)	Temperature Stability %	Price Each			Reel Qty.	Price Per Piece
							1	10	100		
CSTCC-G Series Commercial											
81-CSTCC2.0MG-TC	CSTCC2M00G53-R0	A	2.00	0.5%	-20 to +80	±0.3	.74	.63	.49	2000	.43
81-CSTCC3.58MG-TC	CSTCC3M58G53-R0	A	3.58	0.5%	-20 to +80	±0.3	.57	.48	.38	2000	.33
CSTCR-G Series Commercial											
81-CSTCR4M00G53	CSTCR4M00G53-R0	B	4.00	0.5%	-20 to +80	±0.2	.56	.47	.37	3000	.29
81-CSTCR4M19G53	CSTCR4M19G53-R0	B	4.19	0.5%	-20 to +80	±0.2	.56	.47	.37	3000	.29
81-CSTCR4M91G53	CSTCR4M91G53-R0	B	4.91	0.5%	-20 to +80	±0.2	.64	.55	.43	3000	.33
81-CSTCR5M00G53	CSTCR5M00G53-R0	B	5.00	0.5%	-20 to +80	±0.2	.57	.48	.38	3000	.29
81-CSTCR6M00G53	CSTCR6M00G53-R0	B	6.00	0.5%	-20 to +80	±0.2	.56	.48	.38	3000	.29
CSTCE-G Series Commercial											
81-CSTCE8M00G55-R0	CSTCE8M00G55-R0	C	8.00	0.5%	-20 to +80	±0.2	.61	.52	.40	3000	.31
81-CSTCE10M0G55-R0	CSTCE10M0G55-R0	C	10.00	0.5%	-20 to +80	±0.2	.67	.57	.44	3000	.34
81-CSTCE12M0G55-R0	CSTCE12M0G55-R0	C	12.00	0.5%	-20 to +80	±0.2	.82	.70	.55	3000	.42
81-CSTCE16M0V53-R0	CSTCE16M0V53-R0	C	16.00	0.5%	-20 to +80	±0.2	.89	.76	.59	3000	.46
81-CSTCE20M0V53-R0	CSTCE20M0V53-R0	C	20.00	0.5%	-20 to +80	±0.2	.89	.76	.59	3000	.46
CSTCW-X Series Commercial											
81-CSTCW24M0X53-R0	CSTCW24M0X53-R0	D	24.00	0.5%	-20 to +80	±0.2	.74	.63	.50	3000	.38
81-CSTCW48M0X51-R0	CSTCW48M0X51-R0	D	48.00	0.5%	-20 to +80	±0.2	.74	.63	.50	3000	.38

LEAD TYPE THREE-TERMINALS CSTLS SERIES

Murata's ceramic resonator, "CERALOCK®" has been widely applied as the most suitable component for clock oscillators in a broad range of microprocessors.

Features:
- Oscillation circuits do not require external load capacitors.
- The resonators are compact, light weight and exhibit superior shock resistance performance.
- They enable the design of oscillator circuits requiring no adjustment.

Application:
- DTMF generators
- Clock oscillators for microcomputers
- Remote control units
- Automated office equipment

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Frequency (MHz)	Tolerance ±	Temperature Range (°C)	Temperature Stability %	Price Each				
							1	10	100	500	1000
CSTLS Series Commercial											
81-CSTS0358MG03	CSTLS3M58G53-B0	E	3.58	0.5%	-20 to +80	±0.2	.32	.27	.21	.19	.18
81-CSTS0400MG03	CSTLS4M00G53-B0	E	4.00	0.5%	-20 to +80	±0.2	.32	.27	.21	.19	.18
81-CSTLS4M19G53-B0	CSTLS4M19G53-B0	E	4.19	0.5%	-20 to +80	±0.2	.43	.38	.32	.27	.24
81-CSTLS5M00G53-B0	CSTLS5M00G53-B0	E	5.00	0.5%	-20 to +80	±0.2	.41	.36	.31	.26	.23
81-CSTS0600MG03	CSTLS6M00G53-B0	E	6.00	0.5%	-20 to +80	±0.2	.33	.29	.22	.20	.19
81-CSTS1000MG03	CSTLS10M0G53-B0	E	10.00	0.5%	-20 to +80	±0.2	.39	.34	.26	.24	.22
81-CSTLS16M0X53-B0	CSTLS16M0X53-B0	F	16.00	0.5%	-20 to +80	±0.2	.65	.56	.44	.39	.37
81-CSTLS20M0X53-B0	CSTLS20M0X53-B0	F	20.00	0.5%	-20 to +80	±0.2	.59	.51	.41	.36	.34

LEAD TYPE TWO-TERMINAL CSBLA SERIES

The CSBLA series ceramic resonator owe their development to Murata's innovative expert technologies and the application of mass production techniques typically utilized in the manufacture of piezoelectric ceramic components. Because of their high mechanical Q and consistent high quality, the CSBLA series are ideally suited to microprocessor and remote control unit applications.

Features:
- The series comprises fixed, tuned, solid-state devices
- The resonators are miniature, light weight and exhibit excellent shock resistance
- Oscillating circuits requiring no adjustment can be designed by utilizing these resonators in conjunction with transistors or appropriate ICs.

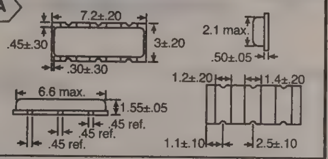
Application:
- Square-wave and sine-wave oscillator
- Clock generator for microprocessors
- Remote control systems

For quantities of 2000 and up, call for quote.

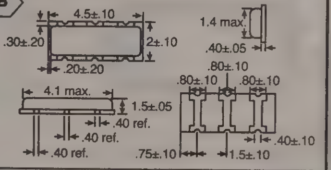
MOUSER STOCK NO.	Murata Part No.	Fig.	Oscillating Frequency (KHz)	Tolerance ±	Temperature Range (°C)	Temperature Stability %	Price Each				
							1	10	100	500	1000
Washable											
81-CSB400J	CSBLA400KJ5E-B0	G	400	0.5%	-20 to +80	±0.3	.98	.85	.66	.59	.56
81-CSB480J	CSBLA480KJ58-B0	G	480	0.5%	-20 to +80	±0.3	.81	.70	.54	.48	.46
81-CSB800J	CSBLA800KJ58-B0	G	800	0.5%	-20 to +80	±0.3	.74	.64	.49	.44	.42
81-CSB1000J	CSBLA1M00J58-B0	G	1000	0.5%	-20 to +80	±0.3	.74	.64	.49	.44	.42
Non-Washable											
81-CSB400P	CSBLA400KECE-B0	H	400	2 KHz	-20 to +80	±0.3	.54	.46	.36	.32	.30
81-CSB455E	CSBLA455KEC8-B0	I	455	2 KHz	-20 to +80	±0.3	.59	.51	.40	.35	.33
81-CSB480E	CSBLA480KEC8-B0	I	480	2 KHz	-20 to +80	±0.3	.99	.88	.77	.66	.55
81-CSB500E	CSBLA500KEC8-B0	I	500	2 KHz	-20 to +80	±0.3	.62	.53	.41	.37	.35
81-CSB540E	CSBLA540KEC8-B0	I	540	2 KHz	-20 to +80	±0.3	.59	.51	.40	.35	.33

DIMENSIONS (mm)

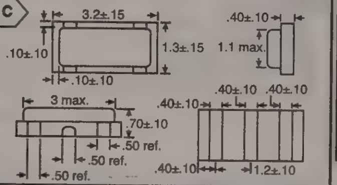
A



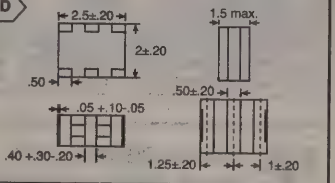
B



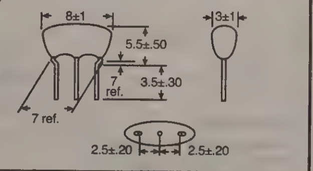
C



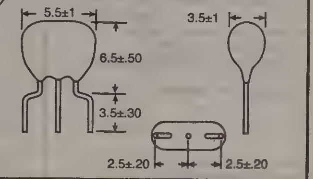
D



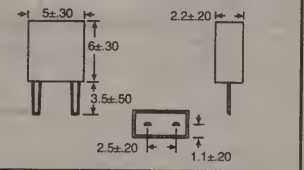
E



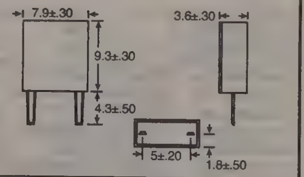
F



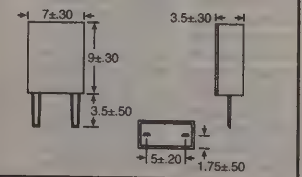
G



H



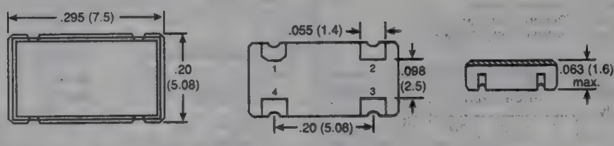
I



VISHAY / DALE Clock Oscillators

XOSM573 SERIES - 3X2
SURFACE MOUNT 3.3V (HCMOS/TTL)

DIMENSIONS: in. (mm)



Specifications:
- Frequency stability: ±0.01% Standard
- Operating temperature: 0°C to +70°C
- Input voltage: +3.3V / ±0.3V
- Enable Input Voltage 2.0V minimum
- Disable Input Voltage 0.5V maximum
- Waveform Symmetry: @ 50%
  Vdd - 40/60

Pin	Connection
1	N.C. or E/D
2	Ground
3	Output
4	+3.3VDC

For quantities of 500 and up, call for quote.

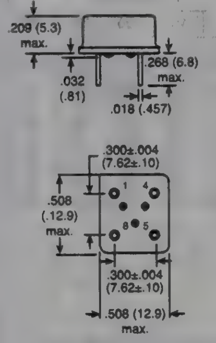
MOUSER STOCK NO.	Vishay Part No.	Freq. (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
					1	10	100
73-XOSM573BE2000	XO37CTECNA20M	20	10	8	2.66	2.43	2.30
73-XOSM573BE4000	XO37CTECNA40M	40	15	8	2.66	2.43	2.30
73-XOSM573BE5000	XO37CTECNA50M	50	15	8	2.66	2.43	2.30

XO52B SERIES - 5X5
HALF SIZE 5.0V (HCMOS/TTL)

Specifications:
- Frequency stability: .01% Standard
- Operating temperature: 0°C to +70°C
- Input voltage: +5V / ±0.5V
- Waverform Symmetry: 2.5V or 50%
  Vdd - 40/60
- Hermetically sealed package
- Output load: 50pF or 10 TTL
  Loads from 1.0 to 40.0MHz, 15pF or 10 TTL
  Loads 40.1 to 100MHz

Pin	Connection
1	N.C. or E/D
4	Ground
5	Output
8	+5VDC

DIMENSIONS: in. (mm)

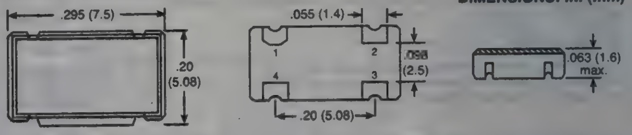


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Freq. (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
					1	10	100
73-XO52B100	XO52CTFLNA1M	1	20	5/10	2.24	2.04	1.85
73-XO52B184	XO52CTFLNA1.8432M	1.8432	20	5/10	2.24	2.04	1.85
73-XO52B245	XO52CTFLNA2M4576	2.4576	20	5/10	2.24	2.04	1.85
73-XO52B368	XO52CTFLNA3M6864	3.6864	20	5/10	2.24	2.04	1.85
73-XO52B400	XO52CTFLNA4M	4	20	5/10	2.24	2.04	1.85
73-XO52B491	XO52CTFLNA4M9152	4.9152	20	5/10	2.24	2.04	1.85
73-XO52B500	XO52CTFLNA5M	5	20	5/10	2.24	2.04	1.85
73-XO52B800	XO52CTFLNA8M	8	20	5/10	2.24	2.04	1.85
73-XO52B1000	XO52CTFLNA10M	10	20	5/10	2.24	2.04	1.85
73-XO52B1200	XO52CTFLNA12M	12	20	5/10	2.24	2.04	1.85
73-XO52B1600	XO52CTFLNA16M	16	20	5/10	2.24	2.04	1.85
73-XO52B2000	XO52CTFLNA20M	20	20	5/10	2.24	2.04	1.85
73-XO52B2400	XO52CTFLNA24M	24	30	5/10	2.24	2.04	1.85
73-XO52B2500	XO52CTFLNA25M	25	30	5/10	2.24	2.04	1.85
73-XO52B3200	XO52CTFLNA32M	32	30	5/10	2.24	2.04	1.85
73-XO52B4000	XO52CTFLNA40M	40	30	5/10	2.24	2.04	1.85

XOSM57 SERIES - 3X2
SURFACE MOUNT 5.0V (HCMOS/TTL)

DIMENSIONS: in. (mm)



Specifications:
- Frequency stability: ±0.01% Standard
- Operating temperature: 0°C to +70°C
- Input voltage: +5.0V / ±0.5V
- Enable Input Voltage 4.0V minimum
- Disable Input Voltage 0.8V maximum
- Waveform Symmetry: @ 50%
  Vdd - 40/60

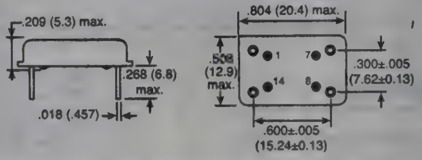
Pin	Connection
1	N.C. or E/D
2	Ground
3	Output
4	+5VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Freq. (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
					1	10	100
73-XOSM57BE500	XO57CTECNA5M	5	20	5	4.56	4.15	3.77
73-XOSM57BE737	XO57CTECNA7M3728	7.3728	20	5	4.56	4.15	3.77
73-XOSM57BE2000	XO57CTECNA20M	20	20	5	4.56	4.15	3.77
73-XOSM57BE2500	XO57CTECNA25M	25	20	5	4.56	4.15	3.77
73-XOSM57BE4000	XO57CTECNA40M	40	35	5	4.56	4.15	3.77

XO54B/XO53B SERIES - 8X5 FULL SIZE 5.0V (HCMOS/TTL)

DIMENSIONS: in. (mm)



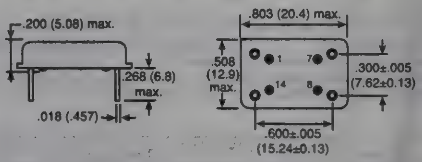
Pin	Connection
1	N.C. or E/D
7	Ground
8	Output
14	+5VDC

Specifications:
- Frequency stability: .01% Standard
- Operating temperature: 0°C to +70°C
- Input voltage: +5V / ±0.5V
- Waveform Symmetry: 2.5V or 50%
  Vdd - 40/60
- Hermetically sealed package
- Output load: 50pF or 10 TTL, Loads from 1.0 to 40.0MHz, 15pF or 10 TTL, Loads 40.1 to 100MHz

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Freq. (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
					1	10	100
73-XO54B100	XO54CTFDNA1M8432	1.8432	20	5/10	2.24	2.04	1.85
73-XO54B184	XO54CTFDNA3M6864	3.6864	20	5/10	2.24	2.04	1.85
73-XO54B368	XO54CTFDNA4M	4	20	5/10	2.24	2.04	1.85
73-XO54B400	XO54CTFDNA8M	8	20	5/10	2.24	2.04	1.85
73-XO54B800	XO54CTFDNA16M	16	20	5/10	2.24	2.04	1.85
73-XO54B1600	XO54CTFDNA20M	20	20	5/10	2.24	2.04	1.85
73-XO54B2000	XO54CTFDNA24M	24	20	5/10	2.24	2.04	1.85
73-XO54B2500	XO54CTFDNA25M	25	30	5/10	2.24	2.04	1.85
73-XO54B3200	XO54CTFDNA32M	32	30	5/10	2.24	2.04	1.85
73-XO54B4000	XO54CTFDNA40M	40	30	5/10	2.24	2.04	1.85

DIMENSIONS: in. (mm)



Pin	Connection
1	N.C. or E/D
7	Ground
8	Output
14	VDD

Specifications:
- Frequency stability: ±25 ppm, ±50 ppm, ±100 ppm
- Operating temperature range: 0°C ~ 70°C (-40°C ~ + 85°C option)
- Output load: 1 ~ 10 TTL

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Freq. (MHz)	Input Current (Max.) mA	Rise/Fall Time (Max.) nS	Price Each		
					1	10	100
73-XO53B100	XO53CTDNA1M	1	15	5	2.24	2.04	1.85
73-XO53B491	XO53CTDNA4M9152	4.9152	15	5	2.24	2.04	1.85
73-XO53B983	XO53CTDNA9M8304	9.8304	15	5	1.80	1.64	1.50
73-XO53B1000	XO53CTDNA10M	10	15	5	2.24	2.04	1.85

VISHAY / DALE Microprocessor & Tuning Fork Watch Crystals

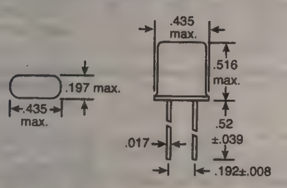
RoHS Compliant This page of product is compliant.

MODEL XT49U - RESISTANCE WELDED HOLDER TYPE CRYSTAL UNIT

- Industry standard
- Operating temperature: -20°C to +70°C
- Temperature stablility: ±50ppm
- Wide frequency range
- "AT" cut crystal
- Housed in a HC-49U package

RoHS Compliant

DIMENSIONS: In.



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49U357-S	3.579545	Series	.53	.44	.40
73-XT49U357-20	3.579545	20pF	.53	.44	.40
73-XT49U368-S	3.6864	Series	.53	.44	.40
73-XT49U368-20	3.6864	20pF	.53	.44	.40

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49U400-S	4	Series	.53	.44	.40
73-XT49U400-20	4	20pF	.53	.44	.40
73-XT49U409-20	4.096	20pF	.53	.44	.40
73-XT49U443-20	4.433619	20pF	.33	.27	.25
73-XT49U491-S	4.9152	Series	.53	.44	.40
73-XT49U491-20	4.9152	20pF	.53	.44	.40
73-XT49U506-S	5.0688	Series	.53	.44	.40
73-XT49U506-20	5.0688	20pF	.53	.44	.40
73-XT49U600-S	6	Series	.53	.44	.40
73-XT49U600-20	6	20pF	.53	.44	.40
73-XT49U737-S	7.3728	Series	.53	.44	.40
73-XT49U737-20	7.3728	20pF	.53	.44	.40
73-XT49U800-S	8	Series	.53	.44	.40
73-XT49U800-20	8	20pF	.53	.44	.40
73-XT49U819-20	8.192	20pF	.53	.44	.40
73-XT49U921-S	9.216	Series	.53	.44	.40
73-XT49U921-20	9.216	20pF	.53	.44	.40
73-XT49U983-20	9.8304	20pF	.53	.44	.40
73-XT49U1000-S	10	Series	.53	.44	.40
73-XT49U1000-20	10	20pF	.53	.44	.40

For quantities of 500 and up, call for quote.

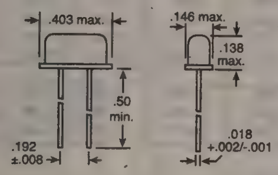
MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49U1100-S	11	Series	.53	.44	.40
73-XT49U1105-S	11.0592	Series	.53	.44	.40
73-XT49U1105-20	11.0592	20pF	.53	.44	.40
73-XT49U1200-S	12	Series	.53	.44	.40
73-XT49U1200-20	12	20pF	.53	.44	.40
73-XT49U1228-20	12.288	20pF	.53	.44	.40
73-XT49U1431-S	14.31818	Series	.53	.44	.40
73-XT49U1431-20	14.31818	20pF	.53	.44	.40
73-XT49U1474-S	14.7456	Series	.54	.45	.41
73-XT49U1474-20	14.7456	20pF	.54	.45	.41
73-XT49U1600-20	16	20pF	.54	.45	.41
73-XT49U1843-S	18.432	Series	.54	.45	.41
73-XT49U1966-S	19.6608	Series	.54	.45	.41
73-XT49U1966-20	19.6608	20pF	.54	.45	.41
73-XT49U2000-S	20	Series	.54	.45	.41
73-XT49U2000-20	20	20pF	.54	.45	.41
73-XT49U2211-S	22.1184	Series	.54	.45	.41
73-XT49U2211-20	22.1184	20pF	.54	.45	.41
73-XT49U2400-S	24	Series	.73	.61	.55
73-XT49U2400-20	24	20pF	.73	.61	.55

MODEL XT49S - LOW PROFILE HOLDER TYPE CRYSTAL UNITS

- Industry standard
- Operating temperature; -20°C to +70°C
- Frequency tolerance: ±50ppm @ 25°C
- Temperature stablility: ±50ppm
- Shunt capacitance: 7pF max.
- Drive level: 20μW to 5mW
- Seal: resistance weld
- Wide frequency range
- "AT" cut strip crystal unit

RoHS Compliant

DIMENSIONS: In.



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49S357-20	3.579545	20pF	.53	.46	.42
73-XT49S368-20	3.6864	20pF	.50	.43	.40
73-XT49S400-S	4	Series	.53	.46	.42
73-XT49S400-20	4	20pF	.50	.43	.40
73-XT49S409-20	4.096	20pF	.50	.43	.40
73-XT49S443-20	4.433619	20pF	.53	.46	.42
73-XT49S491-20	4.9152	20pF	.53	.46	.42
73-XT49S737-S	7.3728	Series	.53	.46	.42
73-XT49S737-20	7.3728	20pF	.50	.43	.40
73-XT49S800-S	8	Series	.53	.46	.42
73-XT49S800-20	8	20pF	.50	.43	.40
73-XT49S1000-S	10	Series	.53	.46	.42
73-XT49S1000-20	10	20pF	.53	.46	.42

For quantities of 500 and up, call for quote.

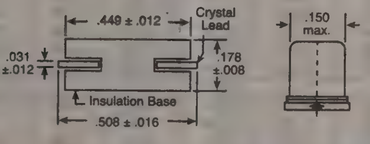
MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49S1105-S	11.0592	Series	.53	.46	.42
73-XT49S1105-20	11.0592	20pF	.50	.43	.40
73-XT49S1200-S	12	Series	.50	.43	.40
73-XT49S1200-20	12	20pF	.53	.46	.42
73-XT49S1431-S	14.31818	Series	.53	.46	.42
73-XT49S1431-20	14.31818	20pF	.50	.43	.40
73-XT49S1474-20	14.7456	20pF	.53	.46	.42
73-XT49S1600-S	16	Series	.53	.46	.42
73-XT49S1600-20	16	20pF	.53	.46	.42
73-XT49S2000-S	20	Series	.50	.43	.40
73-XT49S2000-20	20	20pF	.50	.43	.40
73-XT49S2400-20	24	20pF	.53	.46	.42

MODEL XT49M - LOW PROFILE SMD TYPE CRYSTAL UNITS

- Industry standard
- Operating temp.: 0°C to +70°C
- Frequency tolerance: ±50ppm
- Temperature stablility: ±50ppm
- Shunt capacitance: 7pF max.
- Drive level: 20mW to 5mW
- Seal: resistance weld
- Surface mount
- Hermetically sealed

RoHS Compliant

DIMENSIONS: In.



For quantities of 500 and up, call for quote.

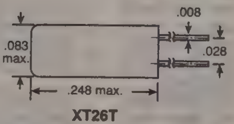
MOUSER STOCK NO.	Frequency (MHz)	Load Cap.	Price Each		
			1	10	100
73-XT49M368-S	3.6864	Series	.82	.68	.62
73-XT49M368-20	3.6864	20pF	.82	.68	.62
73-XT49M400-20	4	20pF	.82	.68	.62
73-XT49M409-20	4.096	20pF	.82	.68	.62
73-XT49M491-S	4.9152	Series	.82	.68	.62
73-XT49M500-20	5	20pF	.82	.68	.62
73-XT49M1000-S	10	Series	.82	.68	.62
73-XT49M1105-S	11.0592	Series	.82	.68	.62
73-XT49M1105-20	11.0592	20pF	.82	.68	.62
73-XT49M1200-S	12	Series	.82	.68	.62
73-XT49M1431-S	14.31818	Series	.82	.68	.62
73-XT49M1474-20	14.7456	20pF	.82	.68	.62
73-XT49M1600-S	16	Series	.82	.68	.62
73-XT49M1600-20	16	20pF	.82	.68	.62
73-XT49M2000-20	20	20pF	.82	.68	.62
73-XT49M2400-20	24	20pF	.90	.75	.68

TUNING FORK WATCH CRYSTALS

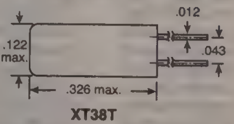
- Miniature package
- Operating temperature: -10°C to +60°C
- Drive level: 1.0mW max.
- KHz frequency
- Tight tolerance

RoHS Compliant

DIMENSIONS: in.



XT26T



XT38T

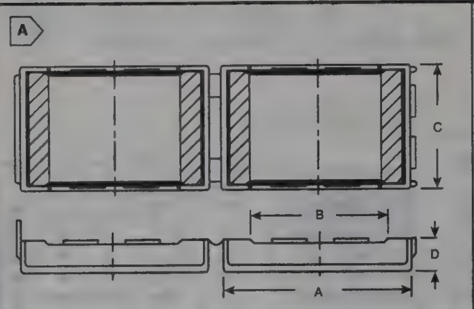
For quantities of 500 and up, call for quote.

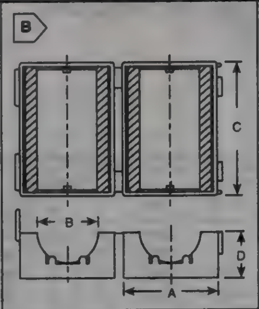
MOUSER STOCK NO.	Frequency (KHz)	Price Each		
		1	10	100
73-XT26T	32.768	.37	.31	.25
73-XT38T	32.768	.37	.31	.25

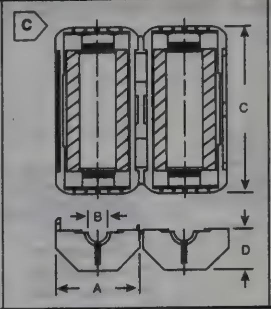
FAIR-RITE EMI Suppression Ferrite Cores

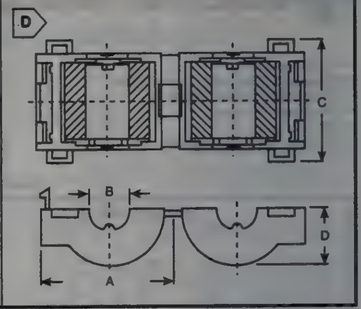
Fair-Rite Products Corp.

RoHS Compliant This page of product is compliant.









DIMENSIONS: (IN)

Fair-Rite Products Corp. EMI SUPPRESSION CORES WITH CASES

RoHS Compliant

Flat Cable Cores with Cases

- Case material: Polypropylene
- Flammability rating: UL94-V0

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fair-Rite Part No.	Fig.	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 10MHz	Dimensions (In.)				Price Each		
					A	B	C	D	1	10	50
623-0443166651	0443166651	A	225	- - -	1.950	1.350	1.272	.320	3.19	2.90	2.64
623-0443163951	0443163951	A	235	35	2.670	2.050	1.272	.320	4.45	4.04	3.67
623-0443164051	0443164051	A	215	- - -	3.180	2.570	1.272	.320	5.30	4.82	4.38

Round Cable Cores with Cases

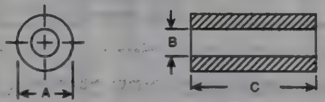
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fair-Rite Part No.	Fig.	Typ. Imp. (Ω) @ 10MHz	Typ. Imp. (Ω) @ 25MHz	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 250MHz	Typ. Imp. (Ω) @ 500MHz	Dimensions (In.)				Price Each		
								A	B	C	D	1	10	50
Material 31														
623-0431164181	0431164181	C	100	156	260	---	---	1.220	0.512	1.550	0.600	4.01	3.60	2.87
623-0431164281	0431164281	C	113	188	310	---	---	0.788	0.260	1.550	0.385	2.18	1.81	1.50
623-0431164951	0431164951	C	100	169	280	---	---	0.680	0.200	1.420	0.331	1.47	1.32	1.05
623-0431167281	0431167281	C	81	144	240	---	---	0.933	0.400	1.550	0.460	2.70	2.33	1.80
623-0431173951	0431173951	C	60	100	180	---	---	0.504	0.200	0.984	0.220	1.40	1.15	1.05
623-0431176451	0431176451	C	130	225	380	---	---	1.520	0.722	1.870	0.754	6.70	5.60	5.05
623-0431177081	0431177081	C	145	235	375	---	---	2.220	1.000	1.690	1.080	18.64	15.36	14.29
Material 43														
623-0443164151	0443164151	B	---	156	250	---	---	1.142	0.528	1.280	0.583	3.43	3.12	2.84
623-0443164251	0443164251	B	---	163	275	---	---	0.705	0.275	1.272	0.362	1.97	1.79	1.63
623-0443167251	0443167251	B	---	138	225	---	---	0.870	0.402	1.272	0.433	2.29	2.08	1.89
623-0443625006	0443625006	D	---	50	113	---	---	0.972	0.311	0.898	0.402	1.10	.85	.80
623-0443665806	0443665806	D	---	41	88	---	---	1.035	0.362	0.843	0.433	1.71	1.55	1.42
623-0443800506	0443800506	D	---	35	75	---	---	1.169	0.504	0.811	0.500	1.63	1.48	1.35
623-0443806406	0443806406	D	---	43	90	---	---	1.350	0.591	0.835	0.591	1.56	1.42	1.28
Material 44														
623-0444164181	0444164181	C	---	138	230	---	---	1.220	0.512	1.550	0.600	2.52	2.29	2.08
623-0444164281	0444164281	C	---	156	260	---	---	0.788	0.260	1.550	0.385	1.63	1.48	1.34
623-0444167281	0444167281	C	---	125	210	---	---	0.933	0.400	1.550	0.461	2.21	2.01	1.82
623-0444173951	0444173951	C	---	94	150	---	---	0.504	0.200	0.984	0.220	1.27	1.16	1.05
623-0444176451	0444176451	C	---	175	365	---	---	1.520	0.722	1.870	0.754	6.48	5.40	4.97
623-0444177081	0444177081	C	---	195	340	---	---	2.220	1.000	1.690	1.080	13.24	11.04	10.15
Material 61														
623-0461164181	0461164181	C	---	---	206	334	475	1.220	0.512	1.550	0.600	3.90	3.30	2.64
623-0461164281	0461164281	C	---	---	269	395	430	0.788	0.260	1.550	0.385	2.27	1.90	1.51
623-0461167281	0461167281	C	---	---	195	315	450	0.933	0.400	1.550	0.461	2.79	2.48	1.98

Fair-Rite Products Corp. EMI SUPPRESSION CORES

Recommended suppression materials of unwanted signals between 10 MHz and 1000 MHz

RoHS Compliant



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fair-Rite Part No.	Typ. Imp. (Ω) @ 10MHz	Typ. Imp. (Ω) @ 25MHz	Typ. Imp. (Ω) @ 100MHz	Typ. Imp. (Ω) @ 250MHz	Typ. Imp. (Ω) @ 1000MHz	Dimensions (In.)			Price Each			
							A	B	C	1	100	500	1000
Material 31													
623-2631102002	2631102002	103	156	260	---	---	1.020	0.505	1.125	1.62	1.48	1.33	1.21
623-2631480002	2631480002	115	175	295	---	---	0.485	0.200	1.000	.84	.75	.66	.61
623-2631480102	2631480102	58	88	140	---	---	0.485	0.200	0.500	.42	.32	.26	.23
623-2631540002	2631540002	119	181	300	---	---	0.562	0.250	1.125	.60	.50	.45	.40
623-2631665702	2631665702	89	138	225	---	---	0.687	0.375	1.125	1.05	.76	.56	.48
Material 43													
623-2643102002	2643102002	---	145	235	---	---	1.020	0.505	1.125	1.67	1.51	1.38	1.25
623-2643480002	2643480002	---	165	236	---	---	0.485	0.200	1.000	.60	.48	.36	.24
623-2643540002	2643540002	---	171	250	---	---	0.562	0.250	1.125	.77	.69	.63	.57
623-2643625002	2643625002	---	70	113	---	---	0.625	0.312	0.562	.55	.45	.30	.20
623-2643625202	2643625202	---	235	384	---	---	0.625	0.312	2.000	1.25	1.11	1.00	.91
623-2643626402	2643626402	---	128	196	---	---	0.735	0.400	1.125	.69	.58	.46	.41
623-2643665702	2643665702	---	125	200	---	---	0.687	0.375	1.125	.70	.63	.58	.52
623-2643665802	2643665802	---	55	88	---	---	0.687	0.375	0.500	.36	.32	.30	.27
623-2643800502	2643800502	---	45	82	---	---	0.825	0.520	0.468	.45	.42	.40	.37
623-2643801002	2643801002	---	28	47	---	---	1.142	0.748	0.295	.69	.57	.49	.44
623-2643802702	2643802702	---	48	80	---	---	1.400	0.900	0.500	1.33	1.16	.99	.83
623-2643803802	2643803802	---	58	108	---	---	2.400	1.400	0.500	3.91	3.70	3.49	3.28
623-2643806402	2643806402	---	53	90	---	---	1.000	0.610	0.500	.70	.66	.62	.57
Material 61													
623-2661102002	2661102002	---	---	225	310	275	1.020	0.505	1.125	2.23	2.10	1.97	1.84
623-2661540002	2661540002	---	---	250	310	260	0.562	0.250	1.125	.90	.82	.75	.68
623-2661665702	2661665702	---	---	156	260	320	0.687	0.375	1.125	1.37	1.22	1.09	1.00

FAIR-RITE Soft Ferrites and Kits

Fair-Rite Products Corp.

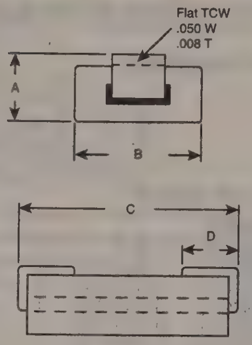
RoHS Compliant This page of product is compliant.

Fair-Rite Products Corp. SURFACE MOUNT EMI SHIELD BEADS

The rugged construction decreases DC resistance and increases current carrying capacity compared with plated beads.

Features:

- Offered in low frequency (73), broadband (43) and high frequency (61) materials



RoHS Compliant

DIMENSIONS (IN.)

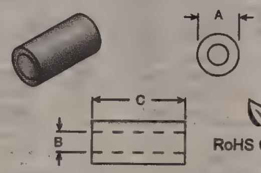
Lead Free

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Typical Imp.		Dimensions (In.)				Price Each				
	(Ω)	MHz	A	B	C	D	1	100	500	1000	2000
623-2773019447LF	40	25	.112	.120	.184	.059	.28	.25	.18	.15	.13
623-2773021447LF	78	25	.112	.120	.184	.059	.30	.27	.20	.17	.09
623-2743019447LF	47	100	.112	.120	.184	.059	.19	.17	.12	.10	.13
623-2743021447LF	95	100	.112	.120	.184	.059	.21	.19	.14	.12	.15
623-2761019447LF	48	250	.112	.120	.184	.059	.29	.25	.18	.15	.10
623-2761021447LF	100	250	.112	.120	.184	.059	.30	.27	.19	.16	.14

Fair-Rite Products Corp. EMI SHIELD BEADS

Beads with a "1" as the last digit of the part number are not burnished, those with the last digit "2" are supplied burnished to break the sharp edges.



RoHS Compliant

Applications:

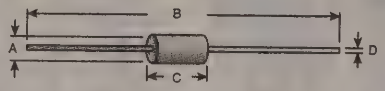
- Recommended suppression material of unwanted signals between 20MHz and 200MHz

DIMENSIONS (IN.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Typ. Imp. (Ω) @ 100MHz	Dimensions (In.)			Price Each			
		A	B	C	1	100	500	1000
623-2643000101	40	0.138	0.051	0.128	.15	.12	.04	.03
623-2643002402	43	0.380	0.197	0.190	.18	.14	.04	.04
623-2543000301	60	0.138	0.051	0.236	.15	.12	.04	.03
623-2643000801	92	0.296	0.094	0.297	.17	.14	.06	.06
623-2643250402	102	0.250	0.125	0.500	.15	.14	.13	.12
623-2643000701	125	0.138	0.051	0.500	.11	.10	.09	.08
623-2643021801	131	0.200	0.062	0.437	.14	.11	.03	.03

Fair-Rite Products Corp. EMI SHIELD BEADS ON LEADS



Features:

- Beads on oxygen free, high conductivity copper
- Offered in low frequency (73), broadband (43), and high frequency (61) material

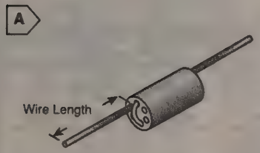
RoHS Compliant

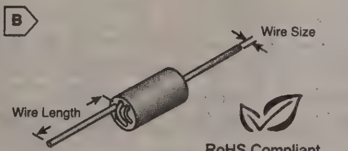
DIMENSIONS (IN.)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Typical Imp.		Dimensions (In.)				Price Each			
	(Ω)	MHz	A	B	C	D	1	100	500	1000
Lead Free										
623-2743001112LF	68	100	.138	2.440	.175	22AWG	.12	.10	.07	.06
623-2743002112LF	133	100	.138	2.440	.350	22AWG	.12	.10	.07	.06
623-2761002112LF	168	250	.138	2.440	.350	22AWG	.18	.16	.12	.09
623-2773009112LF	170	25	.138	2.440	.545	22AWG	.22	.19	.14	.11
623-2743009112LF	220	100	.138	2.440	.545	22AWG	.12	.10	.08	.07

Fair-Rite Products Corp. WOUND EMI SHIELD BEADS





RoHS Compliant

Features:

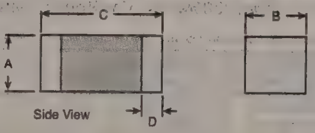
- Wire used for winding is oxygen free, high conductivity copper.
- Offered in broadband (44) and high frequency (61) materials

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Typical Imp.		Turns	Wire Size	Wire Length (In.)	Price Each			
		(Ω)	MHz				1	100	500	1000
Lead Free										
623-2944666661LF	A	470	100	1 1/2	24AWG	1.5	.30	.25	.17	.15
623-2961666661LF	A	405	200	1 1/2	24AWG	1.5	.40	.35	.23	.20
623-2944666671LF	B	850	50	2 1/2	24AWG	1.5	.31	.27	.18	.16
623-2961666671LF	B	845	100	2 1/2	24AWG	1.5	.41	.36	.24	.20

Fair-Rite Products Corp. EMI SUPPRESSION CHIP BEADS

RoHS Compliant



Features:

- Standard Signal Speed
- Controlled 100% for impedance and DCR
- Suitable for both wave and reflow solder process

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Z(Ω)±25% @100MHz	Max Current (mA)	Dimensions (In.)				Price Each			
			A	B	C	D	1	100	500	1000
623-2518065007Y6	50	6000	.063	.063	.177	.024	.25	.20	.15	.13
623-2512067007Y3	70	3000	.043	.063	.126	.022	.30	.25	.21	.17
623-2518068007Y6	80	6000	.063	.063	.177	.024	.39	.35	.31	.26
623-2518121217Y6	80	6000	.063	.126	.177	.022	.45	.22	.19	.16
623-2506033017Y0	300	100	.031	.031	.063	.016	.20	.10	.08	.06
623-2506036017Y0	600	100	.031	.031	.063	.016	.26	.13	.12	.09
623-2508056017Y0	600	200	.035	.049	.079	.018	.05	.05	.05	.04
623-2512066017Y1	600	1000	.043	.063	.126	.022	.32	.27	.21	.18

Fair-Rite Products Corp. KITS

RoHS Compliant

Chip Bead Kit
Wound Bead Kit
Bead-on-Lead Kit

MOUSER STOCK NO.	Type	Description	Price Each
623-019917	Snap-It Cable Suppressor Kit	This kit contains 6 sizes of each in suppression materials 44 and 31 that "snap on" to installed cables. Either material in the snap-its can be used to supress frequencies up to 500 MHz.	52.80
623-019918	Chip Bead Kit	This kit provides 20 different chip bead parts in four different EIA standard package sizes. It includes low, medium, and high current chip beads.Also included are a selection of low, standard and high speed parts.	63.36
623-019919	EMI Suppression Shield Bead Kit	This kit contains different EMI suppression beads ranging in hole diameter from dia. from 0.85mm to 5.0mm in both 73 and 43 materials for frequencies between 20-200 MHz.	52.80
623-019924	RFID Kit	This kit contains 10 different size rods in 78 and 61 materials centered around 125 KHz and 13.56 MHz.	52.80
623-019925	Surface Mount Bead Kit	This kit contains an assortment of 20 different differential and common mode surface mount suppressors in 73, 43, 44, and 61 materials. These beads attenuate conducted EMI from 1 MHz to the GHz frequencies.	124.99
623-019927	Wound Bead Kit	This kit contains an assortment of 6 and 11 hole beads in 44 and 61 materials wound in various configurations.	52.80
623-019928	Bead-on-Lead Kit	This kit contains 3 of the most popular bead sizes in materials 73, 43 and 61.	52.80

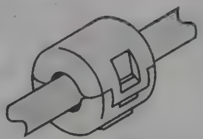
FERRISHIELD Ferrite RFI Suppressors

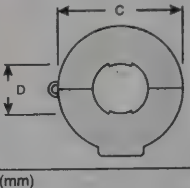
FerriShield, INC.
Interference Control Components

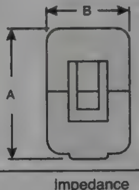
RoHS Compliant **This page of product is compliant.**

Anywhere there is an antenna-like structure such as a power cord or I/O cable, in the presence of a microprocessor, there is a need for RFI suppressors to control unwanted high frequency interference. The selection below is an assortment of the most popular sizes in the most universally applicable broadband formula – effective up to 1GHz by allowing data signals to pass unimpeded and absorbing the high frequency energy.

SPLIT CABLE SNAP FERRITES







RoHS Compliant

For Round Cables up to 0.96" Diameter

For quantities of 50 and up, call for quote.

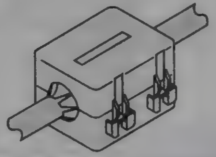
MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)				Impedance (Ω)	Price Each		
		A	B	C	D		1	10	20
861-CS28B1642	CS28B1642	0.852 (21.6)	0.885 (22.5)	0.840 (21.3)	0.282 (7.2)	100@100MHz	6.70	6.18	5.92
861-CS28B1805	CS28B1805	1.040 (26.4)	0.667 (16.9)	1.025 (26.4)	0.340 (8.6)	73@100MHz	6.90	6.36	6.10
861-CS28B1937	CS28B1937	1.182 (30.0)	0.780 (19.8)	1.188 (30.2)	0.425 (10.8)	117@100MHz	7.92	7.30	7.00
861-CS28B1984	CS28B1984	1.218 (30.9)	0.705 (17.9)	1.220 (31.0)	0.525 (13.3)	62@100MHz	7.49	6.91	6.62
861-CS28B1500	CS28B1500	1.725 (43.8)	1.232 (31.3)	1.720 (43.7)	0.960 (24.4)	133@100MHz	20.30	19.58	19.23
861-CS28B2000	CS28B2000	2.350 (59.7)	1.851 (47.0)	2.309 (58.6)	0.960 (24.4)	380@100MHz	56.06	53.12	52.17

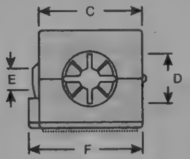
High Frequency (700MHz) - For Round Cables up to 1.96" Diameter

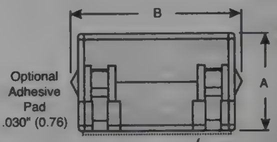
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)				Impedance (Ω)	Price Each		
		A	B	C	D		1	10	20
861-CS25B1642	CS25B1642	0.852 (21.6)	0.885 (22.5)	0.840 (21.3)	0.282 (7.2)	290@700MHz	10.59	10.22	10.04
861-CS25B1937	CS25B1937	1.182 (30.0)	0.780 (19.8)	1.188 (30.2)	0.425 (10.8)	305@700MHz	12.51	12.07	11.86
861-CS25B1500	CS25B1500	1.725 (43.8)	1.232 (31.3)	1.720 (43.7)	0.960 (24.4)	510@700MHz	24.35	23.49	23.07
861-CS25B2000	CS25B2000	2.350 (59.7)	1.851 (47.0)	2.309 (58.6)	0.960 (24.4)	890@700MHz	62.58	60.26	59.11
861-CS25B4000	CS25B4000	4.500 (114.2)	1.851 (47.0)	4.687 (110.0)	1.960 (49.8)	590@700MHz	222.49	214.21	210.13

SPLIT SLEEVE SNAP FERRITES







RoHS Compliant

With Variable Diameter Opening - For Round Cables up to 0.79" Diameter

For optional adhesive pad replace "SS" in part number with "AS".

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)						Impedance (Ω)	Price Each		
		A	B	C	D	E	F		1	10	20
861-SS28B2031	SS28B2031	0.700 (23.8)	1.255 (31.9)	0.675 (17.1)	0.230 (5.8)	0.180 (4.7)	0.768 (19.5)	200@100MHz	10.26	9.34	8.62
861-SS28B2034	SS28B2034	0.585 (14.9)	1.250 (31.8)	0.585 (14.9)	0.250 (6.4)	0.120 (3.0)	0.680 (17.3)	220@100MHz	6.47	6.03	5.82
861-SS28B2037	SS28B2037	0.790 (20.1)	1.450 (36.8)	0.770 (19.6)	0.350 (8.8)	0.200 (5.1)	0.885 (22.5)	200@100MHz	7.95	7.41	7.15
861-SS28B2042	SS28B2042	0.965 (24.5)	1.480 (37.6)	0.930 (23.6)	0.425 (10.8)	0.170 (4.3)	1.035 (26.3)	238@100MHz	9.82	9.16	8.84
861-SS28B2032	SS28B2032	1.155 (29.3)	1.450 (36.8)	1.125 (28.6)	0.500 (12.7)	0.200 (5.1)	1.230 (31.2)	230@100MHz	17.97	16.76	16.17
861-SS28B2044	SS28B2044	1.700 (43.2)	1.800 (45.7)	1.800 (45.7)	0.790 (20.1)	0.200 (5.1)	1.830(46.5)	260@100MHz	25.74	24.02	23.17

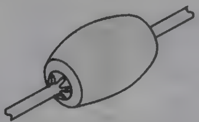
High Frequency (700MHz) - For Round Cables up to 0.50" Diameter

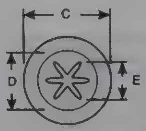
For optional adhesive pad replace "SS" in part number with "AS".

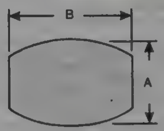
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)						Impedance (Ω)	Price Each		
		A	B	C	D	E	F		1	10	20
861-SS25B2037	SS25B2037	0.790 (20.1)	1.450 (36.8)	0.770 (19.6)	0.350 (8.8)	0.200 (5.1)	0.885 (22.5)	390@700MHz	12.81	12.35	12.13
861-SS25B2032	SS25B2032	1.155 (29.3)	1.450 (36.8)	1.125 (28.6)	0.500 (12.7)	0.200 (5.1)	1.230 (31.2)	510@700MHz	19.92	19.22	18.87

JELLY BEAN SNAP WITH INTERNAL LOCKING SYSTEM AND CABLE GRIP ENDS







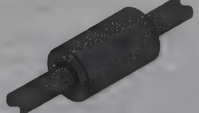
RoHS Compliant

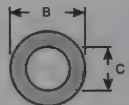
For Round Cables up to 0.290" diameter

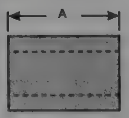
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)					Impedance (Ω)	Price Each		
		A	B	C	D	E		1	10	20
861-JB28B0010	JB28B0010	0.670 (17.0)	0.820 (20.8)	0.670 (17.0)	0.290 (7.4)	0.055 (1.4)	140@100MHz	7.60	6.92	6.38

SOLID FERRITE BEADS







RoHS Compliant

For Round Cables up to 0.620" diameter

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)			Impedance (Ω)	Price Each		
		A	B	C		1	10	20
861-28B0375-3	28B0375-3	0.750 (19.1)	0.375 (9.5)	0.192 (4.8)	140@100MHz	1.77	1.66	1.60
861-28B0562-2	28B0562-2	1.125 (28.6)	0.562 (14.2)	0.250 (6.4)	257@100MHz	2.98	2.78	2.68
861-28B0625-0	28B0625-0	0.562 (14.3)	0.625 (15.9)	0.310 (7.9)	120@100MHz	2.77	2.59	2.50
861-28B0736-0	28B0736-0	1.125 (28.6)	0.736 (18.7)	0.430 (10.9)	176@100MHz	3.49	3.26	3.14
861-28B1020-1	28B1020-1	1.125 (28.6)	1.020 (25.9)	0.505 (12.8)	225@100MHz	4.42	4.17	4.05
861-28B1102-1	28B1102-1	1.000 (25.4)	1.102 (27.9)	0.620 (15.7)	147@100MHz	7.90	7.37	7.11

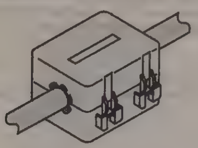
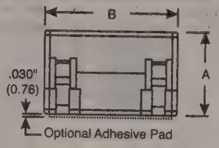
FERRISHIELD Ferrite RFI Suppressors

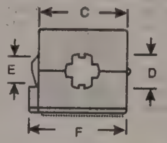
FerriShield®, INC.
Interference Control Components

RoHS Compliant **This page of product is compliant.**

Anywhere there is an antenna-like structure such as a power cord or I/O cable, in the presence of a microprocessor, there is a need for RFI suppressors to control unwanted high frequency interference. The selection below is an assortment of the most popular sizes in the most universally applicable broadband formula – effective up to 1GHz by allowing data signals to pass unimpeded, and absorbing the high frequency energy.

HIGH FREQUENCY SPLIT SLEEVE SNAP FERRITES - 700MHZ



RoHS Compliant

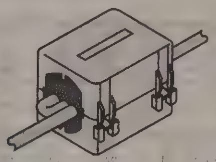
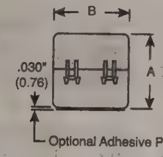
For Round Cables Up to 0.55" Diameter

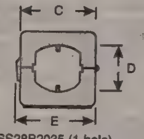
For optional adhesive pad replace "SS" in part number with "AS".

For quantities of 50 and up, call for quote.

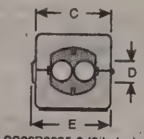
MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)						Impedance (Ω)	Price Each		
		A	B	C	D	E	F		1	10	20
861-SS25B2030	SS25B2030	0.790 (20.1)	1.265 (32.1)	0.770 (19.6)	0.270 (6.9)	0.220 (5.6)	0.885(22.5)	390@700MHz	12.51	12.07	11.86
861-SS25B2033	SS25B2033	0.790 (20.1)	1.265 (32.1)	0.770 (19.6)	0.350 (8.8)	0.290 (7.4)	0.885(22.5)	390@700MHz	12.51	12.07	11.86
861-SS25B2036	SS25B2036	1.155 (29.3)	1.250 (31.8)	-	0.415 (10.5)	0.350 (8.8)	1.230(31.2)	510@700MHz	19.92	19.03	18.59
861-SS25B2040	SS25B2040	1.155 (29.3)	1.250 (31.8)	1.125 (28.6)	0.550 (14.0)	0.480 (12.2)	1.230(31.2)	510@700MHz	19.63	18.93	18.59

VERY HIGH IMPEDANCE MULTI-TURN SLEEVE SNAP

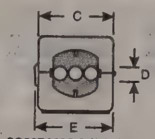





SS28B2035 (1-hole)



SS28B2035-2 (2-holes)



SS28B2035-3 (3-holes)

RoHS Compliant

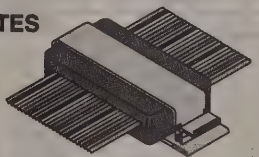
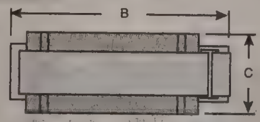
With Serpentine Threading Capability

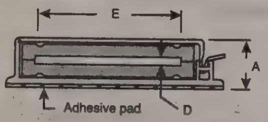
For optional adhesive pad replace "SS" in part number with "AS".

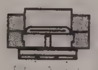
* Depending on circuit load and frequency. **For quantities of 50 and up, call for quote.**

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)					Impedance (Ω)	Price Each		
		A	B	C	D	E		1	10	20
861-SS28B2035	SS28B2035	1.155 (29.3)	1.250 (31.8)	1.125 (28.6)	0.780 (19.8)	1.230 (31.2)	1N=129 @ 100MHz, 2N=22=4Nohm ref.	17.39	15.82	14.60
861-SS28B2035-2	SS28B2035-2	1.155 (29.3)	1.250 (31.8)	1.125 (28.6)	0.335 (8.5)	1.230 (31.2)	1N=270 @ 100MHz, 3N=32=9Nohm ref.	12.83	12.15	11.48
861-SS28B2035-3	SS28B2035-3	1.155 (29.3)	1.250 (31.8)	1.125 (28.6)	0.203 (5.2)	1.230 (31.2)	1N=340@ 100MHz *	12.94	12.26	11.58

SPLIT FLAT CABLE FERRITES





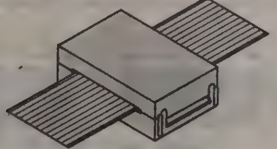
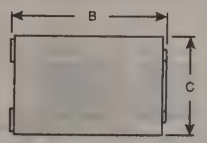
RoHS Compliant

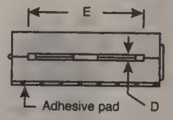
For flat cables up to 50 conductors (2.50" width)

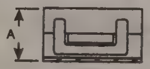
For optional adhesive pad replace "FA" in part number with "FC".

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)					Impedance (Ω)	Price Each		
		A	B	C	D	E		1	10	20
861-FA28B0071	FA28B0071	0.520(13.2)	1.244(31.6)	0.750(19.1)	0.060(1.5)	0.510(13.0)	49@100MHz	8.17	7.60	7.32
861-FA28B0121	FA28B0121	0.520(13.2)	1.790(45.5)	0.750(19.1)	0.060(1.5)	1.010(25.7)	97@100MHz	8.85	8.24	7.94
861-FA28B1729	FA28B1729	0.800(20.3)	2.430(61.7)	1.125(28.6)	0.060(1.5)	1.355(34.4)	200@100MHz	14.36	13.36	12.87
861-FA28B2480	FA28B2480	0.800(20.3)	3.180(80.8)	1.125(28.6)	0.060(1.5)	2.047(52.0)	250@100MHz	17.71	16.48	15.87
861-FA28B3012	FA28B3012	0.800(20.3)	3.700(94.0)	1.125(28.6)	0.060(1.5)	2.540(64.5)	286@100MHz	19.77	18.40	17.72





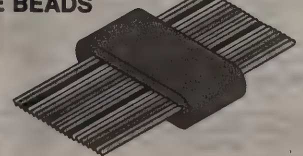
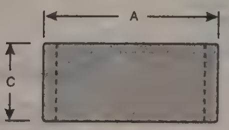
RoHS Compliant

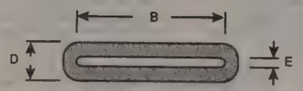
For flat cables up to 64 conductors (3.20" width)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)					Impedance (Ω)	Price Each		
		A	B	C	D	E		1	10	20
861-RA28B1729	RA28B1729	0.700(17.8)	2.030(51.6)	1.312(33.3)	0.060(1.5)	1.355(34.4)	200@100MHz	14.63	13.61	13.11
861-RA28B2480	RA28B2480	0.700(17.8)	2.760(70.1)	1.312(33.3)	0.060(1.5)	2.047(52.0)	250@100MHz	17.64	16.41	15.81
861-RA28B3012	RA28B3012	0.700(17.8)	3.260(82.8)	1.312(33.3)	0.060(1.5)	2.540(64.5)	286@100MHz	20.18	18.78	18.09
861-RA28B4340	RA28B4340	0.785(19.9)	4.610(117.1)	1.312(33.3)	0.104(2.6)	3.240(82.3)	325@100MHz	34.04	31.67	30.51

SOLID FLAT FERRITE BEADS



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)					Impedance (Ω)	Price Each		
		A	B	C	D	E		1	10	20
861-28R0760	28R0760	0.760(19.3)	0.510(13.0)	1.125(28.6)	0.300(7.6)	0.051(1.3)	150@100MHz	3.20	2.98	2.87
861-28R1127	28R1127	1.125(28.6)	0.925(23.5)	1.220(31.0)	0.303(7.7)	0.066(1.7)	188@100MHz	4.83	4.50	4.33
861-28R1260	28R1260	1.260(32.0)	1.010(25.7)	1.125(28.6)	0.300(7.6)	0.051(1.3)	237@100MHz	4.87	4.54	4.37
861-28R1575	28R1575	1.575(40.0)	1.325(33.7)	1.125(28.6)	0.300(7.6)	0.051(1.3)	160@100MHz	4.99	4.64	4.47
861-28R1953	28R1953	1.953(49.6)	1.732(44.0)	0.472(12.0)	0.288(7.3)	0.059(1.5)	109@100MHz	4.10	3.81	3.67
861-28R2300	28R2300	2.300(58.4)	2.050(52.1)	1.125(28.6)	0.300(7.6)	0.051(1.3)	245@100MHz	6.52	6.07	5.85

FERRISHIELD RFI/EMI Gaskets and Fabrics

FerriShield®, INC.
Interference Control Components

RoHS Compliant **This page of product is compliant.**

RFI/EMI CONDUCTIVE SHIELDING FABRIC

Shielding effectiveness is determined by a combination of two events: reflection and absorption of RF signals. Absorption depends on the bulk, or thickness, of the shield material. However, reflection occurs at the shield surface and its effectiveness is independent of thickness. Reflection is the determining factor for all high frequency signal attenuation. (Note: When these materials are used in another regime; i.e., conductive shielding gaskets, conductivity is the determinant.) Maximum reflection occurs with the highest conductivity materials. The best overall metals are copper, nickel and combinations of both - based on high conductivity, compatibility with mating metals, manufacturing versatility and cost. The large 1040mm material width (41") minimizes seams; thin 0.08-0.10mm cross sections (0.003-0.004") maximize conformability to irregular surfaces.

Applications:

- Bonding or laminating to complex geometric shapes
- ESD, RFI-EMI; shielding attenuation >70.0 dB up to 10.0 GHz for CuNi type.
- Enclosure panels and frames, seams, joints, shield curtains for back panel openings
- RFI-EMI conductive shielding gasket cover membranes
- Architectural shielding; shielded room finishing - ceilings, walls, floors; special purpose rooms

RoHS Compliant

Conductive Adhesive

- Sheet size 1040 x 914mm (41" wide x 36" long)
- Available in full rolls of 50 meters (~164')

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Adhesive	Polyester Fabric Bonded with	Surface Resistivity (Ω/mm²)	Attenuation (dB)				Price Each			
					500KHz	100MHz	300MHz	1GHz	1	2	5	10
861-SF005PCN-CA	SF005PCN-CA	Conductive	Copper / Nickel	.005	79	81	86	82	77.35	72.19	69.41	66.03
861-SF030PCU-CA	SF030PCU-CA	Conductive	Copper	.030	N/A	67	65	62	67.83	65.12	62.61	59.56
861-SF050PNI-CA	SF050PNI-CA	Conductive	Nickel	.050	N/A	72	67	63	66.81	64.14	61.67	58.66

Hot Melt Adhesive

- Sheet size 1040 x 914mm (41" wide x 36" long)
- Available in full rolls of 100 meters (~325')

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Adhesive	Polyester Fabric Bonded with	Surface Resistivity (Ω/mm²)	500KHz	100MHz	300MHz	1GHz	1	2	5	10
861-SF005PCN-HM	SF005PCN-CA	Hot Melt	Copper / Nickel	.005	79	81	86	82	62.93	60.41	58.09	55.25
861-SF030PCU-HM	SF030PCU-HM	Hot Melt	Copper	.030	N/A	67	65	62	60.66	58.24	56.00	53.26
861-SF050PNI-HM	SF050PNI-HM	Hot Melt	Nickel	.050	N/A	72	67	63	54.53	52.35	50.33	47.88

No Adhesive

- Sheet size 1040 x 914mm (41" wide x 36" long)
- Available in full rolls of 100 meters (~325')

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Adhesive	Polyester Fabric Bonded with	Surface Resistivity (Ω/mm²)	500KHz	100MHz	300MHz	1GHz	1	2	5	10
861-SF005PCN	SF005PCN-CA	None	Copper / Nickel	.005	79	81	86	82	56.26	54.01	51.93	49.40
861-SF030PCU	SF030PCU	None	Copper	.030	N/A	67	65	62	48.92	46.96	45.15	42.95
861-SF050PNI	SF050PNI	None	Nickel	.050	N/A	72	67	63	47.88	45.97	44.20	42.04

EMC Conductive Shielding Aluminum

A high performance, cost-effective sheet shielding material. Very good electrical and thermal conductivity, high reflectivity and resistance to oxidation and corrosive environments. Composition is a four-layer matrix of static dissipative-EMC coating/polyester/Aluminum/polyethylene.

- Sheet size 1040 x 914mm (41" wide x 36" long)
- Available in full rolls of 182 meters (~600')

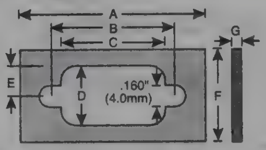
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Adhesive	Polyester Fabric Bonded with	Attenuation (dB)				Price Each			
				500KHz	100MHz	300MHz	1GHz	1	2	5	10
861-SF100PAL	SF100PAL	None	Aluminum	48	65	65	60	7.24	7.19	7.12	7.04

D-Sub RFI/EMI Shielding Gaskets

- Conformable to irregular surfaces
- Eliminates gap problems between connector and I/O surface plates
- Compresses from 0.10" to 0.025"

RoHS Compliant

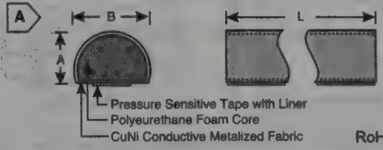


For quantities of 250 and up, call for quote

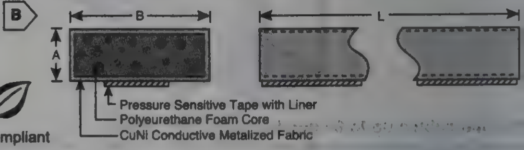
MOUSER STOCK NO.	FerriShield Part No.	Conductors	Dimensions (mm)						Price Each			
			A	B	C	D	E	F	1	25	50	100
861-SG140009DS	SG140009DS	9 Pin	35.6	24.9	19.8	11.2	5.6	17.8	1.34	1.31	1.25	1.20
861-SG175015DS	SG175015DS	15 Pin	44.5	33.3	28.2	11.2	5.6	17.8	1.50	1.46	1.40	1.35
861-SG228025DS	SG228025DS	25 Pin	57.9	47	41.9	11.2	5.6	17.8	1.66	1.62	1.55	1.49
861-SG293037DS	SG293037DS	37 Pin	74.4	63.5	58.2	11.2	5.6	17.8	1.82	1.77	1.70	1.63
861-SG284050DS	SG284050DS	50 Pin	72.1	61.2	55.9	14.2	7.1	20.3	2.55	2.47	2.37	2.28

RFI/EMI Metallized Fabric over Foam Shielding Gaskets

- Omnidirectional Compression Loading from Any Angle
- Quick, Easy Adhesive Mounting on Any Surface
- Groove Mount or Surface Mount
- Eliminates the Need for Mechanical Clip-ons
- Universally Functional for Most Applications
- Copper-Nickel Metallized Fabric over Open Cell Polyurethane Foam


A
B
A
L
Pressure Sensitive Tape with Liner
Polyeurethane Foam Core
CuNi Conductive Metalized Fabric

RoHS Compliant

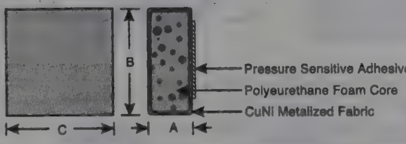

B
B
A
L
Pressure Sensitive Tape with Liner
Polyeurethane Foam Core
CuNi Conductive Metalized Fabric

For quantities of 250 and up, call for quote

MOUSER STOCK NO.	FerriShield Part No.	Fig.	Shape	Surface Resistivity (Ω/Lin. Inch)	Dimensions (mm)			Price Each			
					A	B	L	1	25	50	100
861-SG187250D-24	SG187250D-24	A	D Shape RFI	0.005-0.01	4.7	6.35	610	5.02	4.99	4.95	4.88
861-SG250375D-24	SG250375D-24	A	D Shape RFI	0.005-0.01	6.35	9.5	610	8.44	7.99	7.49	6.99
861-SG375500D-24	SG375500D-24	A	D Shape RFI	0.005-0.01	9.5	12.7	610	10.20	9.25	8.50	7.75
861-SG125187D-24	SG125187D-24	A	Micro D Shape RFI	0.005-0.01	3.2	4.7	610	8.51	6.81	6.19	5.63
861-SG060125R-24	SG060125R-24	B	Rectangular RFI	0.005-0.01	1.2	3.2	610	2.85	2.78	2.75	2.72
861-SG125250R-24	SG125250R-24	B	Rectangular RFI	0.005-0.01	3.2	6.35	610	4.24	4.12	3.96	3.81
861-SG187375R-24	SG187375R-24	B	Rectangular RFI	0.005-0.01	4.7	9.5	610	5.46	5.31	5.10	4.90

RFI/EMI Shielding Contacts

- Very Low Profile
- Low Compression Force
- Simple Adhesive Mounting
- Excellent Alternative to Liquid Form-in-place Gaskets



RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Surface Resistivity (Ω/Lin. Inch)	Dimensions (mm)			Price Each			
			A	B	C	1	25	50	100
861-SC060138R	SC060138R	0.005-0.01	1.2	3.5	3.5	.48	.47	.43	.41

Thermal Transfer Material

- Fills microscopic gaps promoting efficient heat transfer between component and heatsink
- For each increase in operating temperature of 10°C, component life decreases 50%
- 4 grades accommodate most applications
- Sheet Size 300x200x1.0 mm

RoHS Compliant

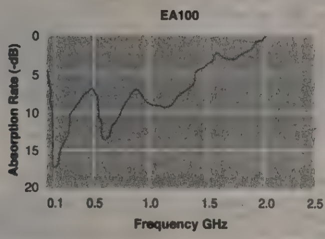
For quantities of 25 and up, call for quote

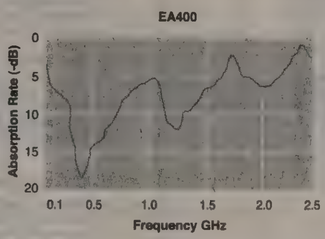
MOUSER STOCK NO.	FerriShield Part No.	Thermal Conductivity (W/m-K)	Color	Withstand Voltage (KV)	Price Each			
					1	2	5	10
861-TGF120K	TGF120K	1.2	Black	16	16.36	14.89	13.74	12.76
861-TGF150D	TGF150D	1.5	Light Gray	14	21.47	19.54	18.03	16.75
861-TGF280L	TGF280L	2.8	Dark Gray	13	27.21	24.76	22.86	21.23
861-TGF600M	TGF600M	6.0	Brown	13	55.67	50.66	46.76	43.42

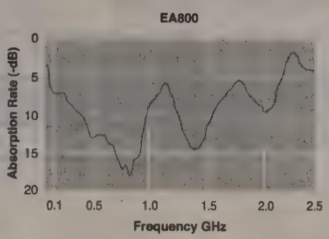
FERRISHIELD RF Absorber Sheet Material

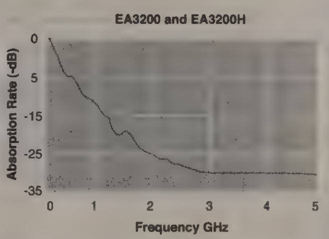
FerriShield®, INC.
Interference Control Components

RoHS Compliant **This page of product is compliant.**









Radio frequencies emanating from electronic components such as the printed circuit board are addressed in three ways: sometimes no shielding is required; a reflective shield in the form of a local cover for the components, or the entire electronic enclosure can be fitted up as a shield; an absorber pad shield which soaks up the RF and converts it to imperceptible heat energy.

The latter Absorber Shield method deals with the unwanted RF energy right at the source and prevents re-radiation and reflection of the signals so that neighboring components are unaffected; also, second, third and fourth order harmonics are nullified or greatly minimized.

EMC WAVE ABSORBER SHEET MATERIAL 100 MHz TO 5 GHz: EA SERIES

The EA Series is a high frequency noise absorber in a range of formulations addressing 40MHz to 5GHz radiations from electronic components. It has a multi-layered structure of screened coating matrixes adjusted for discrete impedance matching to absorb electromagnetic waves at various peak frequencies depending on which of the seven different constructions is used.

RoHS Compliant

Applications:

- PCB's
- PCB Components
- Electronic Enclosures
- Shielded Boxes
- All Microprocessor Based Electronic
- EDP
- Telecom
- Scientific
- Medical
- Architectural Shielding
- RF Test Chambers
- Shielded Facilities

Standard Series - Specifications:

- Frequency Range: 50 MHz - 1 GHz
- Peak Frequency Choices: 100, 300, 400, 500 or 800 MHz
- Temperature Range: -20°C to 100°C
- Flammability Rating: UL94-V0
- Adhesive:
  - Temperature: -18°C to 83°C, ASTM D-3575
  - Tack: 8.4 p.s.i., stainless steel, ASTM D-3575
  - Shear: 300+ hrs. @ 2 p.s.i. @ 22°C, ASTM D-3575
- Dimensions:
  - Standard: 15.75" W x 15.75 "L x .011" max (400.0 x 400.0 x 0.28 mm)
  - Maximum: 3' -0" W x 65' -0" L x .011" max (1.0 x 20.0 M x 0.28 mm)

Extra Wideband Series - Specifications:

- Frequency Range: 40 MHz - 5 GHz
- Peak Frequency: 3.2 GHz
- Temperature Range: -20°C to 100°C and -10°C to 200°C (High Temperature)
- Flammability Rating: UL94-V0
- Adhesive:
  - Standard Temperature: -18°C to 83°C, ASTM D-3575
  - High Temperature: 10°C to 200°C, ASTM D-3575
  - Tack: 8.4 p.s.i. (Stainless Steel Standard) ASTM D-3575
    8.3 p.s.i. (Stainless Steel High Temperature) ASTM D-3575
  - Shear: 300+ hrs. @ 2 p.s.1. @ 22°C, ASTM D-3575
- Dimensions:
  - Standard: 8.25" W x 15.75" L x .004" max (209.6 x 400.0 x 0.10 mm)
  - Maximum: 3'-0" W x 65'-0" L x .004" max (1.0 x 20.0 M x 0.28 mm)

Standard Series - 100 MHz to >1 GHz

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)			Frequency Range	Peak Frequency Attenuation	Price Each		
		Width	Length	Thickness			1	5	10
861-EA100	EA100	15.75(400)	15.75(400)	0.002(0.60)	–5dB min. @ 50MHz to >1GHz	–17.3dB@100MHz	**125.80**	**115.32**	**106.45**
861-EA300	EA300	15.75(400)	15.75(400)	0.002(0.60)	–5dB min. @ 50MHz to >1GHz	–17.6dB@300MHz	**180.95**	**165.87**	**153.11**
861-EA400	EA400	15.75(400)	15.75(400)	0.002(0.60)	–5dB min. @ 50MHz to >1GHz	–17.2dB@400MHz	**235.89**	**216.23**	**199.60**
861-EA500	EA500	15.75(400)	15.75(400)	0.011(0.27)	–5dB min. @ 50MHz to >1GHz	–17.8dB@500MHz	**383.70**	**351.72**	**324.67**
861-EA800	EA800	15.75(400)	15.75(400)	0.008(0.20)	–5dB min. @ 50MHz to >1GHz	–17.9dB@800MHz	**166.77**	**152.87**	**141.11**

Available in standard rolls 15.75" (400) x 65' 0" (20m)

Extra Wideband Series - 40 MHz to 5 GHz @ 3.2 GHz Peak

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)			Frequency Range	Peak Frequency Attenuation	Price Each		
		Width	Length	Thickness			1	5	10
861-EA3200	EA3200	8.25 (209.6)	15.75 (400.0)	0.400 (0.10)	40MHz to >5GHz	–31.3dB@3.2GHz	**264.19**	**242.17**	**223.54**
***861-EA3200H**	EA3200H	8.25 (209.6)	15.75 (400.0)	0.400 (0.10)	40MHz to >5GHz	–31.3dB@3.2GHz	**308.73**	**283.00**	**261.24**

* High Temperature Version Available in standard rolls 8.25" (209.6) x 65' - 0" (20m)

Shielding Patches

A quick and easy way to gain 1 to 2dB without invasive circuit changes. Install by removing protective adhesive liner. Individual patches measure 1"x1.9"x.005".

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)			Frequency Range	Peak Frequency Attenuation	Price Each		
		Width	Length	Thickness			1	5	10
861-EA3200H-SP12	EA3200H-SP12	1.00 (25.4)	1.90 (48.3)	0.005 (0.13)	10MHz - 6.0GHz: peak @ 3.2GHz - 6.0GHz @ 31.2dB	–31.3dB@3.2GHz	**5.63**	**4.79**	**4.37**

MICROWAVE ABSORBER - UP TO 116 GHz: MA SERIES

The MA Series is a high frequency microwave noise absorber in a range of formulations addressing 2.5GHz to 116GHz radiations from electronic components. It has a multi-layered structure of screened coating matrixes adjusted for discrete impedance matching to absorb microwaves from a wide range of angles.

Applications:

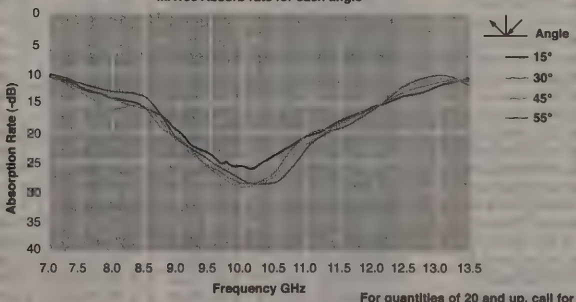
- PCB's
- PCB Components
- Electronic Enclosures
- Shielded Boxes
- RF Equipment
- VICS Base Antennas
- Radar Equipment
- Mobile Phone Devices
- Architectural Shielding
- RF Test Chambers
- Shielded Facilities

Specifications:

- Frequency Range: 20 MHz - 116.0 GHz
- Peak Frequency Choices: 2.4, 5.8, 10, 18, 24, 26, 38, 60, 76, 110 GHz
- Temperature Range: -20°C to 110°C
- Flammability Rating: UL94-V0
- Adhesive:
  - Temperature: -18°C to 83°C, ASTM D-3575
  - Tack: 8.4 p.s.i. (stainless steel) ASTM D-3575
  - Shear: 300+ hrs. @ 2 p.s.i. @ 72°F, ASTM D-3575
- Dimensions:
  - Standard: 7.875" W x 15.75" L x .0138" max. (200.0 x 400.0 x 3.5 mm)
  - Maximum: 3' W x 65' L x 0.138" max (1.0 x 20 M x 3.5 mm)

RoHS Compliant

MA100 Absorb rate for each angle



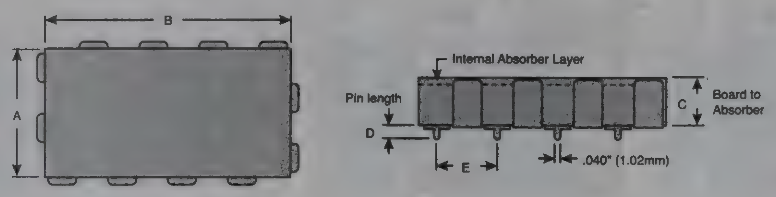
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: in. (mm)			Frequency Range	Peak Frequency Attenuation	Price Each		
		Width	Length	Thickness			1	5	10
861-MA100	MA100	7.875(200)	15.75(400)	0.055(1.40)	9.2-10.8GHz	–23.5dB@10.0GHz	**268.83**	**246.43**	**227.48**
861-MA240	MA240	7.875(200)	15.75(400)	0.024(0.60)	22.5-25.5GHz	–24.3dB@24.0GHz	**268.83**	**246.43**	**227.48**
861-MA260	MA260	7.875(200)	15.75(400)	0.027(0.07)	25.2-27.0GHz	–21.4dB@26.0GHz	**268.83**	**246.43**	**227.48**
861-MA760	MA760	7.875(200)	15.75(400)	0.016(0.40)	72.0-80.0GHz	–20.0dB@76.0GHz	**268.83**	**246.43**	**227.48**
861-MA1100	MA1100	7.875(200)	15.75(400)	0.035(0.90)	104.0-116.0GHz	–21.2dB@110.0GHz	**268.83**	**246.43**	**227.48**

FERRISHIELD PCB Shielded Enclosures

FerriShield®, INC.
Interference Control Components

RoHS Compliant **This page of product is compliant.**



Through-hole mount – recommended hole size .050" (1.27mm)
Surface mount – pins formed w/ 90° outward bend

Through-hole or Adhesive Mount

Shielded enclosures for RF radiations from PCB components stop RF energy right at the source, eliminating re-radiation and interference with other nearby components as well as reducing the number of other shielding expenditures such as filters, gaskets and RF hardening of the equipment exterior structure. The addition of a frequency-tuned absorber membrane layer adds unprecedented performance, assimilating radiated energy without relying on repeated reflections from the interior surfaces of the shield, and without problems of harmonic resonance. Refer to sketches above.

The versatile shield design includes a solderable fence and tight-fitting cover assembly of copper alloy 770 (C77000), a tough solder-compatible material which does not require plating nor has corrosion prone bare edges. The removable cover provides convenient access to circuitry; and is very cost-effective due to the use of universal multi-use manufacturing tooling.

Each enclosure shield size can be combined with frequency-specific absorber material bonded to the cover interior for exacting remediation of otherwise errant frequency emanations - a selection of five EMC absorbers effective from 50 MHz to 1 GHz along with an extra wideband version effective from 40 MHz to 5 GHz; and, ten Microwave versions effective up to 116 GHz. The adhesive mounting option provides quick installation on any circuit without modification of PCB traces.

To specify adhesive mount add suffix "A" to part number. To specify surface mount add suffix "SM" to part number.

EMC Standard Series - Specifications:

- Frequency Range: 50 MHz - 1 GHz
- Peak Frequency Choices: 100, 300, 400, 500 or 800 MHz
- Temperature Range: -20°C to 100°C
- Flammability Rating: UL94-V0
- Adhesive:
  Temperature: -18°C to 83°, ASTM D-3575
  Tack: 8.4 p.s.i., stainless steel, ASTM D-3575
  Shear: 300+ hrs. @ 2 p.s.i. @ 22°C, ASTM D-3575
- Dimensions:
  Standard: 15.75" W x 15.75 "L x .011" max (400.0 x 400.0 x 0.28 mm)
  Maximum: 3' -0" W x 65' -0" L x .011" max (1.0 x 20.0 M x 0.28 mm)

EMC Extra Wideband Series - Specifications:

- Frequency Range: 40 MHz - 5 GHz
- Peak Frequency Choices: 3.2 GHz
- Temperature Range: -20°C to 100°C and -10°C to 200°C (High Temperature)
- Flammability Rating: UL94-V0
- Adhesive:
  Temperature: 0°F to 180°F, ASTM D-3575
  Tack: 8.4 p.s.i. (8.3 p.s.i. High Temperature), ASTM D-3575
  Shear: 300+ hrs. @ 2 p.s.i. @ 72°F, ASTM D-3575
- Dimensions:
  Standard: 8.25" W x 15.75 "L x .004" max (210.0 x 400.0 x 0.10 mm)
  Maximum: 3' -0" W x 65' -0" L x .004" max (1.0 x 20.0 M x 0.10 mm)

Microwave Series - Specifications:

- Frequency Range: 20 MHz - 116.0 GHz
- Peak Frequency Choices: 2.4, 5.8, 10, 18, 24, 26, 38, 60, 76, 110 GHz
- Temperature Range: -20°C to 110°C
- Flammability Rating: UL94-V0
- Adhesive:
  Temperature: -18°C to 83°C, ASTM D-3575
  Tack: 8.4 p.s.i. (stainless steel) ASTM D-3575
  Shear: 300+ hrs. @ 2 p.s.i. @ 72°F, ASTM D-3575
- Dimensions:
  Standard: 7.875" W x 15.75 "L x .138" max (200.0 x 400.0 x 3.5 mm)
  Maximum: 3' -0" W x 65' -0" L x .138" max (1.0 x 20.0 M x 3.5 mm)

EMC TYPE PCB SHIELD ENCLOSURES - UP TO 5GHZ

RoHS Compliant

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	FerriShield Part No.	Dimensions: In. (mm)					Frequency Range	Frequency Peak	Price Each	
		A	B	C *	D	E			1	10
861-PS100EMC24	PS100EMC24	1.00 (25.4)	2.00 (50.8)	0.198 (5.0)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	–17.3dB@100MHz	33.48	30.13
861-PS300EMC24	PS300EMC24	1.00 (25.4)	2.00 (50.8)	0.198 (5.0)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	–17.6dB@300MHz	34.11	30.70
861-PS400EMC24	PS400EMC24	1.00 (25.4)	2.00 (50.8)	0.198 (5.0)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	–17.2dB@400MHz	34.71	31.23
861-PS500EMC24	PS500EMC24	1.00 (25.4)	2.00 (50.8)	0.189 (4.8)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	–17.8dB@500MHz	36.85	33.17
861-PS800EMC24	PS800EMC24	1.00 (25.4)	2.00 (50.8)	0.192 (4.9)	0.10 (2.5)	0.50 (12.7)	50 MHz to 1 GHz	–17.9dB@800MHz	33.83	30.44
861-PS3200EMC24	PS3200EMC24	1.00 (25.4)	2.00 (50.8)	0.196 (5.0)	0.10 (2.5)	0.50 (12.7)	40 MHz to 5 GHz	–31.3dB@3.2GHz	27.40	24.66
* 861-PS3200EMC24H	PS3200EMC24H	1.00 (25.4)	2.00 (50.8)	0.196 (5.0)	0.10 (2.5)	0.50 (12.7)	40 MHz to 5 GHz	–31.3dB@3.2GHz	29.81	26.83
861-PS100EMC44	PS100EMC44	2.00 (50.8)	3.00 (76.2)	0.398 (10.1)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	–17.3dB@100MHz	28.57	25.71
861-PS300EMC44	PS300EMC44	2.00 (50.8)	3.00 (76.2)	0.398 (10.1)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	–17.6dB@300MHz	30.29	27.26
861-PS400EMC44	PS400EMC44	2.00 (50.8)	3.00 (76.2)	0.398 (10.1)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	–17.2dB@400MHz	32.04	28.83
861-PS500EMC44	PS500EMC44	2.00 (50.8)	3.00 (76.2)	0.389 (9.9)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	–17.8dB@500MHz	36.66	33.00
861-PS800EMC44	PS800EMC44	2.00 (50.8)	3.00 (76.2)	0.392 (10.0)	0.12 (3.0)	0.50 (12.7)	50 MHz to 1 GHz	–17.9dB@800MHz	29.92	26.93
861-PS3200EMC44	PS3200EMC44	2.00 (50.8)	3.00 (76.2)	0.396 (10.1)	0.12 (3.0)	0.50 (12.7)	40 MHz to 5 GHz	–31.3dB@3.2GHz	41.97	37.77
* 861-PS3200EMC44H	PS3200EMC44H	2.00 (50.8)	3.00 (76.2)	0.396 (10.1)	0.12 (3.0)	0.50 (12.7)	40 MHz to 5 GHz	–31.3dB@3.2GHz	44.64	40.17
861-PS100EMC59	PS100EMC59	3.00 (76.2)	4.50 (114.3)	0.498 (12.6)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	–17.3dB@100MHz	39.74	35.77
861-PS300EMC59	PS300EMC59	3.00 (76.2)	4.50 (114.3)	0.498 (12.6)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	–17.6dB@300MHz	43.82	39.43
861-PS400EMC59	PS400EMC59	3.00 (76.2)	4.50 (114.3)	0.498 (12.6)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	–17.2dB@400MHz	43.82	39.43
861-PS500EMC59	PS500EMC59	3.00 (76.2)	4.50 (114.3)	0.489 (12.4)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	–17.8dB@500MHz	58.75	52.88
861-PS800EMC59	PS800EMC59	3.00 (76.2)	4.50 (114.3)	0.492 (12.5)	0.12 (3.0)	0.25 (6.4)	50 MHz to 1 GHz	–17.9dB@800MHz	42.76	38.48
861-PS3200EMC59	PS3200EMC59	3.00 (76.2)	4.50 (114.3)	0.496 (12.6)	0.12 (3.0)	0.25 (6.4)	40 MHz to 5 GHz	–31.3dB@3.2GHz	59.42	53.48
* 861-PS3200EMC59H	PS3200EMC59H	3.00 (76.2)	4.50 (114.3)	0.496 (12.6)	0.12 (3.0)	0.25 (6.4)	40 MHz to 5 GHz	–31.3dB@3.2GHz	64.55	58.09

* High Temperature Version

MICROWAVE TYPE PCB SHIELD ENCLOSURES - UP TO 116GHZ

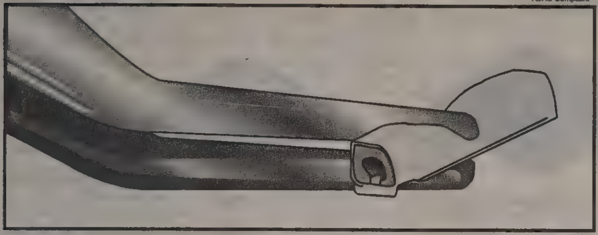
RoHS Compliant

For quantities of 20 and up, call for quote.

861-PS24MA24	PS24MA24	1.00 (25.4)	2.00 (50.8)	0.062 (1.6)	0.1 (2.5)	0.50 (12.7)	2.2-2.6 GHz	–21.0dB@2.4GHz	30.57	27.51
861-PS58MA24	PS58MA24	1.00 (25.4)	2.00 (50.8)	0.100 (2.5)	0.1 (2.5)	0.50 (12.7)	5.5-6.2 GHz	–23.5dB@5.8GHz	28.31	25.48
861-PS100MA24	PS100MA24	1.00 (25.4)	2.00 (50.8)	0.145 (3.7)	0.1 (2.5)	0.50 (12.7)	9.2-10.8 GHz	–23.5dB@10.0GHz	28.31	25.48
861-PS180MA24	PS180MA24	1.00 (25.4)	2.00 (50.8)	0.160 (4.1)	0.1 (2.5)	0.50 (12.7)	16.5-19.5 GHz	–24.1dB@18.0GHz	28.23	25.41
861-PS240MA24	PS240MA24	1.00 (25.4)	2.00 (50.8)	0.176 (4.5)	0.1 (2.5)	0.50 (12.7)	22.5-25.5 GHz	–24.3dB@24.0GHz	28.31	25.48
861-PS260MA24	PS260MA24	1.00 (25.4)	2.00 (50.8)	0.173 (4.4)	0.1 (2.5)	0.50 (12.7)	25.2-27.0 GHz	–21.4dB@26.0GHz	28.31	25.48
861-PS380MA24	PS380MA24	1.00 (25.4)	2.00 (50.8)	0.176 (4.5)	0.1 (2.5)	0.50 (12.7)	35.8-40.2 GHz	–21.4dB@38.0GHz	28.31	25.48
861-PS600MA24	PS600MA24	1.00 (25.4)	2.00 (50.8)	0.165 (4.2)	0.1 (2.5)	0.50 (12.7)	52.0-64.2 GHz	–21.6dB@60.0GHz	28.31	25.48
861-PS760MA24	PS760MA24	1.00 (25.4)	2.00 (50.8)	0.184 (4.7)	0.1 (2.5)	0.50 (12.7)	72.0-80.0 GHz	–20.0dB@76.0GHz	28.31	25.48
861-PS1100MA24	PS1100MA24	1.00 (25.4)	2.00 (50.8)	0.184 (4.7)	0.1 (2.5	0.50 (12.7)	104.0-116.0 GHz	–21.2dB@110.0GHz	28.31	25.48
861-PS24MA44	PS24MA44	2.00 (50.8)	3.00 (76.2)	0.262 (6.7)	0.12 (3.0)	0.50 (12.7)	2.2-2.6 GHz	–21.0dB@2.4GHz	53.58	48.22
861-PS58MA44	PS58MA44	2.00 (50.8)	3.00 (76.2)	0.300 (7.6)	0.12 (3.0)	0.50 (12.7)	5.5-6.2 GHz	–23.5dB@5.8GHz	48.02	43.22
861-PS100MA44	PS100MA44	2.00 (50.8)	3.00 (76.2)	0.345 (8.8)	0.12 (3.0)	0.50 (12.7)	9.2-10.8 GHz	–23.5dB@10.0GHz	48.02	43.22
861-PS180MA44	PS180MA44	2.00 (50.8)	3.00 (76.2)	0.360 (9.1)	0.12 (3.0)	0.50 (12.7)	16.5-19.5 GHz	–24.1dB@18.0GHz	48.02	43.22
861-PS240MA44	PS240MA44	2.00 (50.8)	3.00 (76.2)	0.376 (9.6)	0.12 (3.0)	0.50 (12.7)	22.5-25.5 GHz	–24.3dB@24.0GHz	48.02	43.22
861-PS260MA44	PS260MA44	2.00 (50.8)	3.00 (76.2)	0.373 (9.5)	0.12 (3.0)	0.50 (12.7)	25.2-27.0 GHz	–21.4dB@26.0GHz	48.02	43.22
861-PS380MA44	PS380MA44	2.00 (50.8)	3.00 (76.2)	0.376 (9.6)	0.12 (3.0)	0.50 (12.7)	35.8-40.2 GHz	–21.4dB@38.0GHz	48.02	43.22
861-PS600MA44	PS600MA44	2.00 (50.8)	3.00 (76.2)	0.365 (9.3)	0.12 (3.0)	0.50 (12.7)	52.0-64.2 GHz	–21.6dB@60.0GHz	48.02	43.22
861-PS760MA44	PS760MA44	2.00 (50.8)	3.00 (76.2)	0.384 (9.8)	0.12 (3.0)	0.50 (12.7)	72.0-80.0 GHz	–20.0dB@76.0GHz	48.02	43.22
861-PS1100MA44	PS1100MA44	2.00 (50.8)	3.00 (76.2)	0.384 (9.8)	0.12 (3.0)	0.50 (12.7)	104.0-116.0 GHz	–21.2dB@110.0GHz	48.02	43.22
861-PS24MA59	PS24MA59	3.00 (76.2)	4.50 (114.3)	0.362 (9.2)	0.12 (3.0)	0.25 (6.4)	2.2-2.6 GHz	–21.0dB@2.4GHz	102.22	92.00
861-PS58MA59	PS58MA59	3.00 (76.2)	4.50 (114.3)	0.400 (10.2)	0.12 (3.0)	0.25 (6.4)	5.5-6.2 GHz	–23.5dB@5.8GHz	88.37	79.53
861-PS100MA59	PS100MA59	3.00 (76.2)	4.50 (114.3)	0.445 (11.3)	0.12 (3.0)	0.25 (6.4)	9.2-10.8 GHz	–23.5dB@10.0GHz	88.37	79.53
861-PS180MA59	PS180MA59	3.00 (76.2)	4.50 (114.3)	0.460 (11.7)	0.12 (3.0)	0.25 (6.4)	16.5-19.5 GHz	–24.1dB@18.0GHz	88.37	79.53
861-PS240MA59	PS240MA59	3.00 (76.2)	4.50 (114.3)	0.476 (12.1)	0.12 (3.0)	0.25 (6.4)	22.5-25.5 GHz	–24.3dB@24.0GHz	88.37	79.53
861-PS260MA59	PS260MA59	3.00 (76.2)	4.50 (114.3)	0.473 (12.0)	0.12 (3.0)	0.25 (6.4)	25.2-27.0 GHz	–21.4dB@26.0GHz	88.37	79.53
861-PS380MA59	PS380MA59	3.00 (76.2)	4.50 (114.3)	0.476 (12.1)	0.12 (3.0)	0.25 (6.4)	35.8-40.2 GHz	–21.4dB@38.0GHz	88.37	79.53
861-PS600MA59	PS600MA59	3.00 (76.2)	4.50 (114.3)	0.465 (11.8)	0.12 (3.0)	0.25 (6.4)	52.0-64.2 GHz	–21.6dB@60.0GHz	88.37	79.53
861-PS760MA59	PS760MA59	3.00 (76.2)	4.50 (114.3)	0.484 (12.3)	0.12 (3.0)	0.25 (6.4)	72.0-80.0 GHz	–20.0dB@76.0GHz	88.37	79.53
861-PS1100MA59	PS1100MA59	3.00 (76.2)	4.50 (114.3)	0.484 (12.3)	0.12 (3.0)	0.25 (6.4)	104.0-116.0 GHz	–21.2dB@110.0GHz	88.37	79.53

GORE SMT EMI Gaskets and Grounding Pads

RoHS Compliant **This page of product is compliant.**



GORE
Creative Technologies Worldwide

Features:

- Standardization of product allows late-stage implementation.
- Consists of 2 basic parts: Electrically conductive gasket material and solderable support layer.
- Nickel or silver base.
- High Shielding Effectiveness.
- Installed to ground trace with standard pick and place equipment.
- Will survive multiple reflow operations.
- Multiple parts can be used as building blocks to make EMI Gaskets.
- As grounding pads, individual parts create discrete electrical contact points with low DC resistance.
- Form factor insures repeatability, eliminates hand labor and cure time, and is lead free process compatible.
- Ideal for metal enclosures or narrow trace widths.
- A proven solution for in a variety of applications: Power amps, mobile phones, GPS, RF Scanning, Automotive Telematics, Audio applications.
- Provided on EIA-481 standard tape and reel.

GORE-SHIELD® SMT EMI GROUNDING PADS

Supersoft

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Gore Part No.	Dimensions: mm			Carrier Tape Width X (mm)	Recommended Compression Stop (RCS)	Resistance @ RCS (mΩ)	Price Each				Reel Quantity	Price Per Piece
		Length	Width	Thickness				1	10	50	100		
880-25SMT-4442-01	25SMT-4442-01	3.6	1.7	1.6	12x4	1.35	29	.51	.33	.31	.29	6,500	.211
880-25SMT-4442-03	25SMT-4442-03	3.6	2.6	2.4	12x4	1.95	35	.59	.39	.35	.31	6,500	.225
880-25SMT-4442-04	25SMT-4442-04	8.1	2.5	2.5	16x4	1.95	10	.76	.51	.46	.42	6,500	.30

Standard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Gore Part No.	Dimensions: mm			Carrier Tape Width X (mm)	Recommended Compression Stop (RCS)	Resistance @ RCS (mΩ)	Price Each				Reel Quantity	Price Per Piece
		Length	Width	Thickness				1	10	50	100		
880-25SMT-3645-09	25SMT-3645-09	5.5	1.25	.65	12x4	.52	2.0	.37	.25	.22	.20	15,000	.151
880-25SMT-3645-10	25SMT-3645-10	8.0	1.25	.65	16x4	.52	2.0	.42	.27	.25	.23	15,000	.17
880-25SMT-3645-11	25SMT-3645-11	12	1.25	.65	24x4	.52	2.0	.42	.28	.26	.24	15,000	.178
880-25SMT-3645-13	25SMT-3645-13	5.5	1.25	.45	12x4	.36	2.0	.37	.25	.22	.20	15,000	.151
880-25SMT-3645-14	25SMT-3645-14	8.0	1.25	.45	16x4	.36	2.0	.42	.27	.25	.23	15,000	.17
880-25SMT-3645-17	25SMT-3645-17	5.5	1.10	.65	12x4	.52	2.0	.37	.25	.22	.20	15,000	.151
880-25SMT-3645-18	25SMT-3645-18	8.0	1.10	.65	16x4	.52	2.0	.42	.27	.25	.23	15,000	.17
880-25SMT-3645-21	25SMT-3645-21	5.5	1.10	.45	12x4	.36	2.0	.37	.25	.22	.20	15,000	.151
880-25SMT-3645-22	25SMT-3645-22	8.0	1.10	.45	16x4	.36	2.0	.42	.27	.25	.23	15,000	.17
880-25SMT-3645-25	25SMT-3645-25	12	2.0	.65	24x4	.52	2.0	.42	.28	.26	.24	15,000	.178
880-25SMT-3645-26	25SMT-3645-26	8.0	2.0	.65	16x4	.52	2.0	.42	.27	.25	.23	15,000	.17
880-25SMT-3645-27	25SMT-3645-27	5.5	2.0	.65	12x4	.52	2.0	.37	.25	.22	.20	15,000	.151
880-25SMT-3645-33	25SMT-3645-33	3.2	1.1	.65	12x4	.52	2.0	.28	.18	.16	.15	15,000	.111
880-25SMT-3645-34	25SMT-3645-34	5.5	.90	.45	12x4	.36	2.0	.37	.25	.22	.20	15,000	.151
880-25SMT-3645-35	25SMT-3645-35	8.0	.9	.45	16x4	.36	2.0	.42	.27	.25	.23	15,000	.17
880-25SMT-3645-40	25SMT-3645-40	5.5	1.25	.80	12x4	.64	2.0	.37	.25	.22	.20	10,000	.151
880-25SMT-3645-41	25SMT-3645-41	3.2	1.25	.80	12x4	.64	4.0	.31	.20	.18	.16	10,000	.121
880-25SMT-3645-43	25SMT-3645-43	3.2	3.2	1.3	12x8	1.04	2.0	.37	.25	.22	.20	5,000	.151
880-25SMT-3645-44	25SMT-3645-44	8.0	2.0	1.3	16x4	1.04	2.0	.40	.26	.24	.22	7,500	.16
880-25SMT-3645-46	25SMT-3645-46	3.2	3.2	2.0	12x8	1.6	2.0	.38	.26	.23	.21	2,500	.158
880-25SMT-3645-47	25SMT-3645-47	8.0	2.25	2.0	16x4	1.6	2.0	.45	.29	.27	.25	5,000	.182

GORE-SHIELD® STRIP GASKETS

- With Adhesive

Reel Length is 15 Meters for all thicknesses up thru 2.0mm. Reel Length is 7.5 Meters for thickness of 2.5mm.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Gore Part No.	Type	Dimensions: mm		Price Per Meter				Reel Length (Meters)	Price Per Meter
			Width	Thickness	1	3	5	10		
880-EDR050200125SC	EDR-05-020-0125-SC	GS500	3.2	0.5	18.81	12.54	11.39	10.36	15	9.98
880-EDR050200250SC	EDR-05-020-0250-SC	GS500	6.5	0.5	26.97	17.98	16.34	14.85	15	14.41
880-EDR050200375SC	EDR-05-020-0375-SC	GS500	9.5	0.5	39.92	26.61	24.19	21.99	15	21.06
880-EDR050200500SC	EDR-05-020-0500-SC	GS500	12.7	0.5	54.92	36.61	33.28	30.26	15	28.31
880-EDR050400125SC	EDR-05-040-0125-SC	GS500	3.2	1.0	25.47	16.97	15.43	14.03	15	13.84
880-EDR050400250SC	EDR-05-040-0250-SC	GS500	6.5	1.0	28.94	19.29	17.54	15.95	15	15.53
880-EDR050400375SC	EDR-05-040-0375-SC	GS500	9.5	1.0	37.91	25.27	22.97	20.88	15	20.43
880-EDR050400500SC	EDR-05-040-0500-SC	GS500	12.7	1.0	54.92	36.61	33.28	30.25	15	28.25
880-EDR050600125SC	EDR-05-060-0125-SC	GS500	3.2	1.5	31.95	21.30	19.36	17.60	15	16.64
880-EDR050600250SC	EDR-05-060-0250-SC	GS500	6.5	1.5	35.92	23.94	21.76	19.78	15	18.87
880-EDR050600375SC	EDR-05-060-0375-SC	GS500	9.5	1.5	50.88	33.92	30.84	28.04	15	27.18
880-EDR050600500SC	EDR-05-060-0500-SC	GS500	12.7	1.5	59.90	39.93	36.30	33.00	15	31.46
880-EDR050800125SC	EDR-05-080-0125-SC	GS500	3.2	2.0	35.92	23.94	21.76	19.79	15	19.42
880-EDR050800250SC	EDR-05-080-0250-SC	GS500	6.5	2.0	41.92	27.95	25.41	23.10	15	22.17
880-EDR050800375SC	EDR-05-080-0375-SC	GS500	9.5	2.0	57.90	38.60	35.09	31.90	15	30.50
880-EDR050800500SC	EDR-05-080-0500-SC	GS500	12.7	2.0	75.65	50.43	45.85	41.68	15	40.74
880-EDR051000250SC	EDR-05-100-0250-SC	GS500	6.5	2.5	54.89	36.59	33.27	30.24	7.5	29.33
880-EDR210100125SC	EDR-21-010-0125-SC	GS2100	3.2	0.2	27.25	18.16	16.50	15.00	15	11.93
880-EDR210200125SC	EDR-21-020-0125-SC	GS2100	3.2	0.5	26.15	17.44	15.85	14.41	15	10.81
880-EDR210200250SC	EDR-21-020-0250-SC	GS2100	6.5	0.5	39.19	26.13	23.75	21.59	15	17.62
880-EDR210200375SC	EDR-21-020-0375-SC	GS2100	9.5	0.5	52.26	34.84	31.67	28.79	15	22.73
880-EDR210200500SC	EDR-21-020-0500-SC	GS2100	12.7	0.5	78.39	52.26	47.51	43.19	15	30.98
880-EDR210201000SC	EDR-21-020-1000-SC	GS2100	25.4	0.5	119.79	79.86	72.60	66.00	15	61.40
880-EDR210400125SC	EDR-21-040-0125-SC	GS2100	3.2	1.0	32.67	21.78	19.80	18.00	15	14.78
880-EDR210400250SC	EDR-21-040-0250-SC	GS2100	6.5	1.0	39.21	26.14	23.76	21.60	15	17.07
880-EDR210400375SC	EDR-21-040-0375-SC	GS2100	9.5	1.0	47.92	31.95	29.04	26.40	15	22.18
880-EDR210400500SC	EDR-21-040-0500-SC	GS2100	12.7	1.0	60.98	40.66	36.96	33.60	15	28.42
880-EDR210401000SC	EDR-21-040-1000-SC	GS2100	25.4	1.0	119.79	79.86	72.60	66.00	15	59.70
880-EDR210600125SC	EDR-21-060-0125-SC	GS2100	3.2	1.5	54.42	36.28	32.98	29.98	15	22.73
880-EDR210600250SC	EDR-21-060-0250-SC	GS2100	6.5	1.5	55.52	37.01	33.65	30.59	15	25.59
880-EDR210600375SC	EDR-21-060-0375-SC	GS2100	9.5	1.5	78.40	52.27	47.51	43.19	15	36.39
880-EDR210600500SC	EDR-21-060-0500-SC	GS2100	12.7	1.5	108.90	72.59	65.99	59.99	15	47.19
880-EDR210800125SC	EDR-21-080-0125-SC	GS2100	3.2	2.0	45.74	30.49	27.72	25.20	15	19.87
880-EDR211002500SC	EDR-21-100-250-SC	GS2100	6.5	2.5	119.81	79.87	72.61	66.01	7.5	63.25

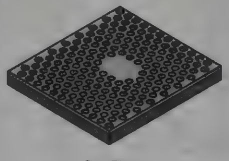
LAIRD TECHNOLOGIES EMI Components

RoHS Compliant This page of product is compliant.

LAIRD TECHNOLOGIES BOARD LEVEL SHIELDS

Standard Surface Mount Shields - One Piece
One-piece shields offer six sides of protection, with the sixth side being the board itself. One-piece designs offer economical shielding protection where access to covered components is not necessary. The One-piece design offers economical shield protection.

Standard Surface Mount Shields - Two Piece
Two-piece board level shields offer users the flexibility to inspect or repair shielded components without having to risk board damage by removing the entire shield or incur any tooling costs. Covers snap on and off with ease, which makes repair of the component under the shield quicker and easier.


One Piece

Two Piece

RoHS Compliant

No tooling costs associated with one or two piece standard designs

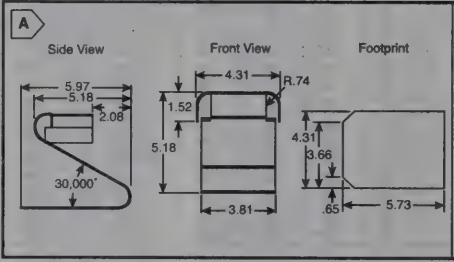
For quantities of 250 and up, call for quote.

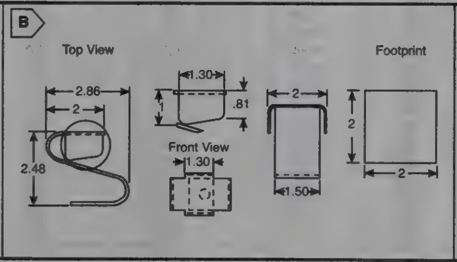
MOUSER STOCK NO.	Laird Tech Part No.	Surface Area IN. (mm)	Max. Overall Dim. IN. (mm)	Max. Overall Height IN. (mm)	Carrier Tape mm	Carrier Width mm	Pitch Parts Per Reel	Price Each			
								1	10	50	100
One Piece											
739-BMIS-105	BMIS-105	1.461^2 (942.50^2)	1.500 x 1.000 (38.10 x 25.40)	.236 (6.00)	56	32	250	1.67	1.53	1.44	1.40
Two Piece											
739-BMIS-201-F	BMIS-201-F	.253^2 (163.10^2)	.538 X .476 (13.66 X 12.10)	.100 (2.54)	24	20	1000	.58	.53	.50	.48
739-BMIS-201-C	BMIS-201-C	.253^2 (163.10^2)	.538 X .476 (13.66 X 12.10)	.100 (2.54)	--	--	--	.23	.21	.20	.20
739-BMIS-202-F	BMIS-202-F	.402^2 (259.21^2)	.650 X .650 (16.50 X 16.50)	.142 (3.60)	32	24	700	.81	.74	.70	.68
739-BMIS-202-C	BMIS-202-C	.402^2 (259.21^2)	.650 X .650 (16.50 X 16.50)	.142 (3.60)	--	--	--	.65	.59	.56	.54
739-BMIS-203-F	BMIS-203-F	1.033^2 (666.16^2)	1.032 X 1.032 (26.21 X 26.21)	.200 (5.08)	44	32	300	1.13	1.04	.98	.95
739-BMIS-203-C	BMIS-203-C	1.033^2 (666.16^2)	1.032 X 1.032 (26.21 X 26.21)	.200 (5.08)	--	--	--	.85	.78	.73	.71
739-BMIS-205-F	BMIS-205-F	1.461^2 (942.50^2)	1.500 X 1.000 (38.10 X 25.40)	.236 (6.00)	56	32	250	1.35	1.24	1.16	1.13
739-BMIS-205-C	BMIS-205-C	1.461^2 (942.50^2)	1.500 X 1.000 (38.10 X 25.40)	.236 (6.00)	--	--	--	.90	.83	.78	.75
739-BMIS-206-F	BMIS-206-F	1.879^2 (1212.39^2)	1.450 X 1.326 (36.83 X 33.68)	.200 (5.08)	56	40	300	1.49	1.37	1.29	1.25
739-BMIS-206-C	BMIS-206-C	1.879^2 (1212.39^2)	1.450 X 1.326 (36.83 X 33.68)	.200 (5.08)	--	--	--	1.28	1.17	1.10	1.07
739-BMIS-207-F	BMIS-207-F	2.997^2 (1933.36^2)	1.747 X 1.747 (44.37 X 44.37)	.384 (9.75)	56	56	120	1.76	1.62	1.52	1.47
739-BMIS-207-C	BMIS-207-C	2.997^2 (1933.36^2)	1.747 X 1.747 (44.37 X 44.37)	.384 (9.75)	--	--	--	1.87	1.72	1.61	1.56

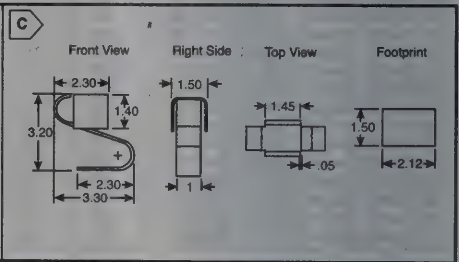
LAIRD TECHNOLOGIES STANDARD PRECISION ELECTRONIC CONTACTS

Laird Technologies standard precision electronic contacts ground, carry current and signals, and interconnect boards and devices.
Laird Technologies offers a wide choice of plating options and designs in standard formats that are ready for product.

RoHS Compliant







BeCU=Beryllium Copper

For quantities of 250 and up, call for quote.

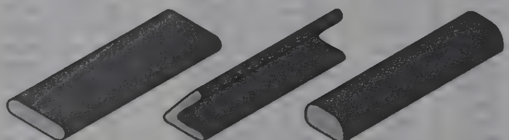
MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Material	Available Platings	Typical Applications	Parts per Reel	Price Each			
							1	10	50	100
739-BMIC-004	BMIC-004	A	0.10mm BeCU	Gold	Grounding, energy carrying	1400	.72	.66	.62	.60
739-BMIC-006	BMIC-006	B	0.10mm BeCU	Tin	Grounding, energy carrying	3500	.31	.28	.26	.26
739-BMIC-007	BMIC-007	C	0.10mm BeCU	Tin	Grounding, energy carrying	2300	.20	.18	.17	.17

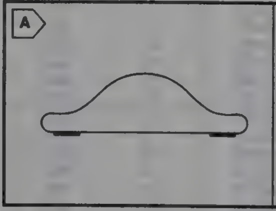
LAIRD TECHNOLOGIES FABRIC OVER FOAM EMI SHIELDING GASKETS

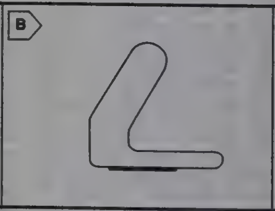
Laird Technologies Fabric Over Foam products are available in a wide range of shapes and sizes offering a diverse selection when addressing your EMI Concerns. Multiple gasket constructions are available to properly fit the gasket to the application. Fabric offerings allow for simple compression designs up to complex high shear applications

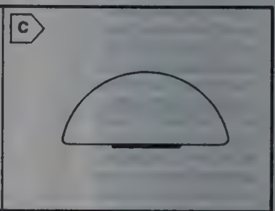
RoHS Compliant

Features:
- Shielding effectiveness of > 100dB across a wide spectrum of frequencies (MIL-STD 285 mod.)
- Extremely low compression forces allow for use of lighter materials
- Low surface resistivity of < 0.07 ohms/square provides improved conductivity (ASTM F390)
- Wide range of flame retardant gaskets available
- Abrasion resistant metallized fabrics show virtually no degradation in shielding performance after 1,000,000 cycles
- Urethane & thermoplastic elastomer (TPE) core provide low compression set ensuring long-term reliable gasket performance
- Service temperatures from -40°F to 158°F (-40°C to 70°C)









For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	UL 94 Rating	Shape	Height IN (mm)	Width IN. (mm)	Length IN. (mm)	Price Each			
								1	10	50	100
739-4379AD-51H-01800	4379-AD-51H-01800	A	V0	Bell	0.069 (1.78)	0.564 (14.33)	18.00 (457.20)	7.88	7.23	6.79	6.57
739-4633AF-51H-01800	4633-AF-51H-01800	A	V0	Bell	0.100 (2.54)	0.300 (7.62)	18.00 (457.20)	6.64	6.09	5.72	5.54
739-4882AB-51H-01800	4882-AB-51H-01800	A	V0	Bell	0.120 (3.05)	0.600 (15.24)	18.00 (457.20)	8.01	7.34	6.90	6.68
739-4131AB-51H-01800	4131-AB-51H-01800	A	V0	Bell	0.140 (3.56)	0.500 (12.70)	18.00 (457.20)	5.08	4.65	4.37	4.23
739-4593AB-H1K-01800	4593-AB-H1K-01800	B	V0	C-Fold	.250 (6.35)	.280 (711.)	18.00 (457.20)	8.86	8.12	7.63	7.38
739-4198AH-H1K-01800	4198-AH-H1K-01800	B	V0	C-Fold	0.385 (9.78)	0.420 (10.67)	18.00 (457.20)	11.23	10.30	9.67	9.36
739-4184AD-51H-01800	4184-AD-51H-01800	C	V0	D	0.60 (1.52)	0.150 (3.81)	18.00 (457.20)	3.53	3.23	3.04	2.94
739-4548AD-51H-01800	4548-AD-51H-01800	C	V0	D	0.60 (1.52)	0.250 (6.35)	18.00 (457.20)	3.78	3.47	3.26	3.15

LAIRD TECHNOLOGIES EMI Components

RoHS Compliant This page of product is compliant.

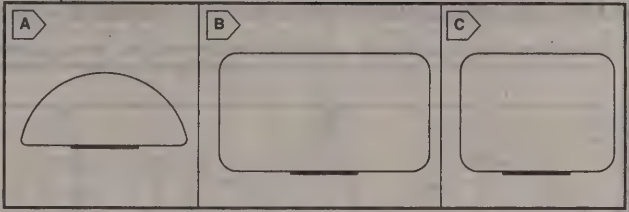
LAIRD TECHNOLOGIES FABRIC OVER FOAM EMI SHIELDING GASKETS (CONT.)

Laird Technologies Fabric Over Foam products are available in a wide range of shapes and sizes offering a diverse selection whenaddressing your EMI Concerns. Multiple gasket constructions are available to properly fit the gasket to the application. Fabric offerings allow for simple compression designs up to complex high shear applications

Features:

- Shielding effectiveness of > 100dB across a wide spectrum of frequencies (MIL-STD 285 mod.)
- Extremely low compression forces allow for use of lighter materials
- Low surface resistivity of < 0.07 ohms/square provides improved conductivity (ASTM F390)
- Wide range of flame retardant gaskets available
- Abrasion resistant metallized fabrics show virtually no degradation in shielding performance after 1,000,000 cycles
- Urethane & thermoplastic elastomer (TPE) core provide low compression set ensuring long-term reliable gasket performance
- Service temperatures from -40°F to 158°F (-40°C to 70°C)

RoHS Compliant



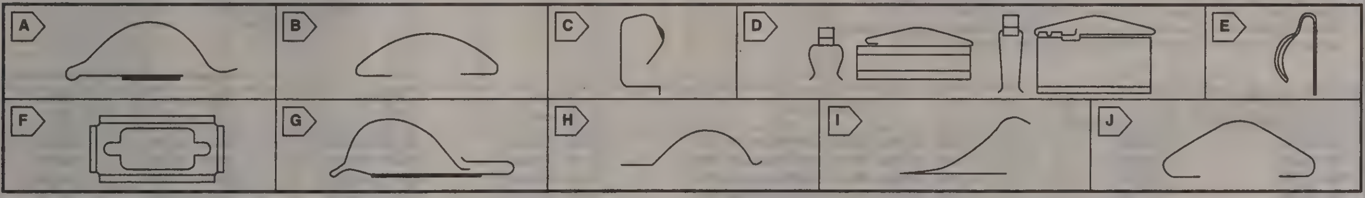
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	UL 94 Rating	Shape	Height IN (mm)	Width IN. (mm)	Length IN. (mm)	Price Each			
								1	10	50	100
739-4053AE-51H-01800	4053-AE-51H-01800	A	V0	D	0.090 (2.29)	0.090 (2.29)	18.00 (457.20)	3.49	3.20	3.01	2.91
739-4240AF-51H-01800	4240-AF-51H-01800	A	V0	D	0.100 (2.54)	0.300 (7.62)	18.00 (457.20)	5.71	5.23	4.91	4.76
739-4742AI-51H-01800	4742-AI-51H-01800	A	V0	D	0.120 (3.05)	0.150 (3.81)	18.00 (457.20)	3.74	3.43	3.22	3.12
739-4202AE-51H-01800	4202-AE-51H-01800	A	V0	D	0.120 (3.05)	0.250 (6.35)	18.00 (457.20)	4.03	3.70	3.47	3.36
739-4078AB-51H-01800	4078-AB-51H-01800	A	V0	D	0.120 (3.05)	0.360 (9.14)	18.00 (457.20)	4.77	4.37	4.11	3.98
739-4692AC-51H-01800	4692-AC-51H-01800	A	V0	D	0.140 (3.56)	0.250 (6.35)	18.00 (457.20)	4.14	3.80	3.57	3.45
739-4609AH-51H-01800	4609-AH-51H-01800	A	V0	D	0.180 (4.57)	0.400 (10.16)	18.00 (457.20)	5.11	4.69	4.40	4.26
739-4789AC-51H-01800	4789-AC-51H-01800	A	V0	D	0.250 (6.35)	0.375 (9.53)	18.00 (457.20)	5.45	5.00	4.70	4.55
739-4105AD-51H-01800	4105-AD-51H-01800	A	V0	D	0.375 (9.52)	0.500 (12.70)	18.00 (457.20)	3.55	3.25	3.05	2.96
739-4240AF-51H-01800	4240-AF-51H-01800	A	V0	D	0.100 (2.54)	0.300 (7.62)	18.00 (457.20)	5.71	5.23	4.91	4.76
739-4742AI-51H-01800	4742-AI-51H-01800	A	V0	D	0.120 (3.05)	0.150 (3.81)	18.00 (457.20)	3.74	3.43	3.22	3.12
739-4202AE-51H-01800	4202-AE-51H-01800	A	V0	D	0.120 (3.05)	0.250 (6.35)	18.00 (457.20)	4.03	3.70	3.47	3.36
739-4078AB-51H-01800	4078-AB-51H-01800	A	V0	D	0.120 (3.05)	0.360 (9.14)	18.00 (457.20)	4.77	4.37	4.11	3.98
739-4692AC-51H-01800	4692-AC-51H-01800	A	V0	D	0.140 (3.56)	0.250 (6.35)	18.00 (457.20)	4.14	3.80	3.57	3.45
739-4609AH-51H-01800	4609-AH-51H-01800	A	V0	D	0.180 (4.57)	0.400 (10.16)	18.00 (457.20)	5.11	4.69	4.40	4.26
739-4789AC-51H-01800	4789-AC-51H-01800	A	V0	D	0.250 (6.35)	0.375 (9.53)	18.00 (457.20)	5.45	5.00	4.70	4.55
739-4105AD-51H-01800	4105-AD-51H-01800	A	V0	D	0.375 (9.52)	0.500 (12.70)	18.00 (457.20)	3.55	3.25	3.05	2.96
739-4245AB-51H-01800	4245-AB-51H-01800	B	V0	Rectangle	0.040 (1.02)	0.120 (3.05)	18.00 (457.20)	3.49	3.20	3.01	2.91
739-4220AC-51H-01800	4220-AC-51H-01800	B	V0	Rectangle	0.040 (1.02)	0.200 (5.08)	18.00 (457.20)	3.69	3.38	3.18	3.08
739-4056AE-51H-01800	4056-AE-51H-01800	B	V0	Rectangle	0.060 (1.52)	0.200 (5.08)	18.00 (457.20)	3.82	3.50	3.29	3.18
739-4096AC-51H-01800	4096-AC-51H-01800	B	V0	Rectangle	0.080 (2.03)	0.275 (6.99)	18.00 (457.20)	4.19	3.84	3.61	3.50
739-4209AB-51H-01800	4209-AB-51H-01800	B	V0	Rectangle	0.120 (3.05)	0.155 (3.94)	18.00 (457.20)	3.83	3.51	3.30	3.20
739-4788AF-51H-01800	4788-AF-51H-01800	B	V0	Rectangle	0.125 (3.18)	0.250 (6.35)	18.00 (457.20)	4.30	3.94	3.70	3.59
739-4594AC-51H-01800	4594-AC-51H-01800	B	V0	Rectangle	0.138 (3.51)	0.354 (8.99)	18.00 (457.20)	4.68	4.29	4.03	3.90
739-4701AB-51H-01800	4701-AB-51H-01800	B	V0	Rectangle	0.250 (6.35)	0.375 (9.53)	18.00 (457.20)	3.01	2.76	2.59	2.51
739-4520AC-51H-01800	4520-AC-51H-01800	C	V0	Square	0.079 (2.01)	0.079 (2.01)	18.00 (457.20)	3.40	3.12	2.93	2.84
739-4046AG-51H-01800	4046-AG-51H-01800	C	V0	Square	0.118 (3.00)	0.118 (3.00)	18.00 (457.20)	3.80	3.48	3.27	3.17
739-4212AC-51H-01800	4212-AC-51H-01800	C	V0	Square	0.195 (4.96)	0.195 (4.96)	18.00 (457.20)	4.37	4.01	3.77	3.65
739-4049AD-51H-01800	4049-AD-51H-01800	C	V0	Square	0.250 (6.35)	0.250 (6.35)	18.00 (457.20)	3.70	3.58	3.27	3.17
739-4084AB-51H-01800	4084-AB-51H-01800	C	V0	Square	0.500 (12.70)	0.500 (12.70)	18.00 (457.20)	7.52	6.90	6.48	6.27

LAIRD TECHNOLOGIES FINGERSTOCK GASKETS AND METAL GROUNDING PRODUCTS

Engineering metal Fingerstock solutions from Laird Technologies dates from 1938. Laird Technologies specializes in designing miniature parts from thin strip metal in quantities ranging from thousands of pieces to millions of pieces. With over 3,400 standard parts, Laird technologies probably already has an off-the-shelf solution that meets your applications' requirements.

RoHS Compliant



BeCu=Beryllium Copper / RCC=Recyclable Clean Copper

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Description	Height IN (mm)	Width IN. (mm)	Length IN. (mm)	Price Each			
							1	10	50	100
739-0097053802	0097053802	A	All-Purpose (BeCu)	.250 (6.35)	.780 (19.81	24.00 (609.60)	12.32	11.20	10.08	9.52
739-0097054002	0097054002	A	All-Purpose (BeCu)	.110 (2.79)	.280 (7.11)	16.00 (406.40)	14.74	13.40	12.06	11.39
739-0087053802	0087053802	A	All-Purpose (RCC)	.250 (6.35)	.780 (19.81)	24.00 (609.60)	11.70	10.64	9.58	9.04
739-0087054002	0087054002	A	All-Purpose (RCC)	.110 (2.79)	.280 (7.11)	16.00 (406.40)	14.21	12.92	11.63	10.98
739-0077009802	0077009802	B	ALTERNATE SLOT (BeCu)	.110 (2.79)	.320 (8.13)	14.59 (370.59)	7.46	6.78	6.10	5.77
739-0097048902	0097048902	C	BATTERY CONTACT (BeCu)	.370 (9.40)	.678 (17.22)	--	1.35	1.22	1.10	1.04
739-0097098302	0097098302	D	CARD GUIDE CLIP-ON (BeCu)	.256 (6.50)	.080 (2.03)	--	1.93	1.75	1.58	1.49
739-0097060602	0097060602	E	CLIP-ON GASKET w/ "D" LANCE (BeCu)	.200 (5.08)	.380 (9.65)	16.00 (406.40)	12.45	11.32	10.19	9.62
739-0097061302	0097061302	E	CLIP-ON GASKET w/ "D" LANCE (BeCu)	.100 (2.54)	.300 (7.62)	16.00 (406.40)	8.71	7.92	7.13	6.73
739-0097060502	0097060502	E	CLIP-ON GASKET w/ "T" LANCE (BeCu)	.200 (2.54)	.380 (9.65)	16.00 (406.40)	12.45	11.32	10.19	9.62
739-0097061102	0097061102	E	CLIP-ON GASKET w/ "T" LANCE (BeCu)	.100 (2.54)	.300 (7.62)	16.00 (406.40)	8.71	7.92	7.13	6.73
739-0097065502	0097065502	--	CLIP-ON PERPENDICULAR (BeCu)	.070 (1.78)	.305 (7.75)	12.00 (304.80	15.39	13.99	12.59	11.89
739-0097065602	0097065602	--	CLIP-ON PERPENDICULAR (BeCu)	.250 (6.35)	.544 (13.82)	16.00 (406.40)	16.03	14.57	13.11	12.38
739-0087065502	0087065502	--	CLIP-ON PERPENDICULAR (RCC)	.070 (1.78)	.305 (7.75)	12.00 (304.80)	15.53	14.12	12.71	12.00
739-0087065602	0087065602	--	CLIP-ON PERPENDICULAR (RCC)	.250 (6.35)	.544 (13.82)	16.00 (406.40)	16.06	14.60	13.14	12.41
739-0077007702	0077007702	B	COMPACT PCI (BeCu)	.065 (1.65)	.191 (4.85)	16.00 (406.40)	26.14	23.77	21.39	20.20
739-0067007702	0067007702	B	COMPACT PCI (RCC)	.065 (1.65)	.191 (4.85)	16.00 (406.40)	13.64	12.40	11.16	10.54
739-0097011002	0097011002	E	Contact Strip (BeCu)	.230 (5.84)	.770 (19.56)	16.00 (406.40)	13.45	12.22	11.00	10.39
739-0097031002	0097031002	E	Contact Strip (BeCu)	.280 (7.11)	.480 (12.19)	15.00 (381.00)	12.12	11.02	9.91	9.36
739-0097038002	0097038002	E	Contact Strip (BeCu)	.090 (2.28)	.190 (4.83)	16.00 (406.40)	11.00	10.00	9.00	8.50
739-0097039002	0097039002	E	Contact Strip (BeCu)	.200 (5.08)	.280 (7.11)	16.00 (406.40)	22.59	20.54	18.48	17.46
739-0087038002	0087038002	E	Contact Strip (BeCu)	.090 (2.28)	.190 (4.83)	16.00 (406.40)	11.11	10.10	9.09	8.59
739-0097077800	0097077800	F	D Connector Shield (BeCu)	.025 (0.64)	1.410 (35.81)	--	4.64	4.22	3.79	3.58
739-0077007502	0077007502	B	Dual Slot (BeCu)	.100 (2.54	.325 (8.26)	16.00 (406.40)	8.10	7.36	6.62	6.26
739-0097051502	0097051502	G	Fold-Over Series (BeCu)	.230 (5.84)	.760 (19.30)	16.00 (406.40)	17.97	16.34	14.70	13.89
739-0097052102	0097052102	G	Fold-Over Series (BeCu)	.140 (3.556)	.510 (12.95)	16.00 (406.40)	16.76	15.23	13.71	12.95
739-9743802240	9743802240	H	Large Enclosure (BeCu)	.250 (6.35)	1.090 (27.69)	24.00 (609.40)	15.58	14.16	12.74	12.04
739-0097097402	0097097402	I	Mini-Longitudinal Grounding (BeCu)	.145 (3.68)	.180 (4.57)	16.00 (406.40)	11.05	10.05	9.04	8.54
739-0077001002	0077001002	J	Slot Mount (BeCu)	.110 (2.79)	.320 (8.13)	16.00 (406.40)	4.66	4.23	3.81	3.60
739-0077001102	0077001102	J	Slot Mount (BeCu)	.220 (5.59)	.600 (15.24)	16.00 (406.40)	5.27	4.79	4.31	4.07
739-0077002602	0077002602	J	Slot Mount (BeCu)	.370 (9.40)	.130 (3.30)	0.975 (24.77)	1.14	1.04	.94	.88
739-0077002902	0077002902	J	Slot Mount (BeCu)	.800 (20.32)	.320 (8.13)	0.343 (8.71)	.71	.65	.58	.55
739-0077003702	0077003702	J	Slot Mount (BeCu)	.310 (7.84)	.120 (3.05)	1.480 (37.59)	1.47	1.34	1.21	1.14
739-0077004102	0077004102	J	Slot Mount (BeCu)	.110 (2.79)	.280 (7.11)	0.543 (13.79)	1.39	1.26	1.13	1.07
739-0067001002	0067001002	J	Slot Mount (RCC)	.110 (2.79)	.320 (8.13)	16.00 (406.40)	4.05	3.68	3.31	3.13
739-0067001102	0067001102	J	Slot Mount (RCC)	.220 (5.59)	.600 (15.24)	16.00 (406.40)	4.80	4.36		3.71

LAIRD TECHNOLOGIES EMI Components

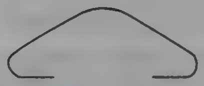
RoHS Compliant **This page of product is compliant.**

LAIRD TECHNOLOGIES FINGERSTOCK GASKETS AND METAL GROUNDING PRODUCTS (CONT.)

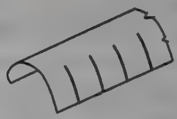
Engineering metal Fingerstock solutions from Laird Technologies dates from 1938. Laird Technologies specializes in designing miniature parts from thin strip metal in quantities ranging from thousands of pieces to millions of pieces. With over 3,400 standard parts, Laird technologies probably already has an off-the-shelf solution that meets your applications' requirements.

RoHS Compliant

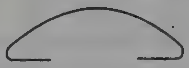
A



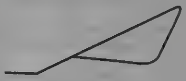
B



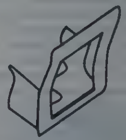
C



D



E



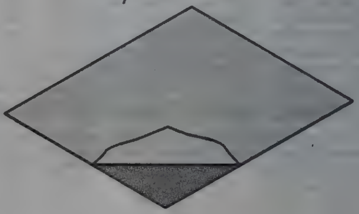
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Description	Height IN (mm)	Width IN. (mm)	Length IN. (mm)	Price Each			
							1	10	50	100
739-0067002602	0067002602	A	Slot Mount (RCC)	.370 (9.40)	.130 (3.30)	0.975 (24.77)	.92	.84	.76	.71
739-0067003702	0067003702	A	Slot Mount (RCC)	.310 (7.84)	.120 (3.05)	1.480 (37.59)	1.19	1.08	.97	.92
739-0097091502	0097091502	B	Solid Top Symmetrical (BeCu)	.140 (3.556)	.450 (11.43)	15.00 (381.00)	19.35	17.60	15.84	14.96
739-0087091502	0087091502	B	Solid Top Symmetrical (RCC)	.140 (3.556)	.450 (11.43)	15.00 (381.00)	12.32	11.20	10.08	9.52
739-0097095502	0097095502	C	Symmetrical Slotted (BeCu)	.140 (3.556)	.450 (11.43)	15.00 (381.00)	16.31	14.82	13.34	12.60
739-0097055002	0097055002	D	Twist Series (BeCu)	.030 (0.76)	.230 (5.84)	24.00 (609.90)	9.24	8.40	7.56	7.14
739-0097055502	0097055502	D	Twist Series (BeCu)	.070 (1.78)	.340 (8.64)	24.00 (609.90)	10.21	9.28	8.35	7.89
739-0087055002	0087055002	D	Twist Series (RCC)	.030 (0.76)	.230 (5.84)	24.00 (609.90)	10.67	9.70	8.73	8.25
739-0087055502	0087055502	D	Twist Series (RCC)	.070 (1.78)	.340 (8.64)	24.00 (609.90)	11.77	10.70	9.63	9.10
739-0097072802	0097072802	E	USB Connector (BeCu)	.511 (12.98)	.625 (15.88)	–	3.50	3.18	2.86	2.70
739-0077005602	0077005602	A	Variable Slot Mount (BeCu)	.110 (2.79)	.320 (8.13)	16.00 (406.40)	5.14	4.68	4.21	3.97
739-0077005702	0077005702	A	Variable Slot Mount (BeCu)	.220 (5.59)	.600 (15.24)	16.00 (406.40)	9.80	8.91	8.02	7.57
739-0067005602	0067005602	A	Variable Slot Mount (RCC)	.110 (2.79)	.320 (8.13)	16.00 (406.40)	7.92	7.20	6.48	6.12
739-0067005702	0067005702	A	Variable Slot Mount (RCC)	.220 (5.59)	.600 (15.24)	16.00 (406.40)	6.80	6.18	5.56	5.25

LAIRD TECHNOLOGIES MICROWAVE ABSORBERS

Q-Zorb™ RFSW Surface Wave

Q-Zorb RFSW surface wave absorbers are thin, magnetically loaded elastomeric sheets designed to provide attenuation at high angles of incidence for surface wave attenuation. The are nominally manufactured in the thickness range of 0.010 in. to 0.125 in. (0.3 mm to 3.2 mm).



Features:

- The materials available are in UL fire retardant versions for use in commercial devices.
- Excellent performance at frequencies between 500 MHz and 40 GHz.
- Several magnetic fillers are available carbonyl iron powder is standard, but other materials such as iron silicide (FeSi) are used for corrosion resistant applications.

For quantities of 5 and up, call for quote.

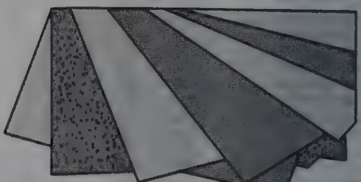
MOUSER STOCK NO.	Laird Tech Part No.	Description	Height IN (mm)	Width IN. (mm)	Thickness IN. (mm)	Price Each
739-02234	02234	Q-Zorb Surface Wave Fire Retardant PSA	24.00 (609.60)	24.00 (609.60)	0.020 (0.51)	323.96
739-02236	02236	Q-Zorb Surface Wave Fire Retardant PSA	24.00 (609.60)	24.00 (609.60)	0.030 (0.08)	323.96
739-02238	02238	Q-Zorb Surface Wave Fire Retardant PSA	24.00 (609.60)	24.00 (609.60)	0.040 (1.00)	343.21
739-02240	02240	Q-Zorb Surface Wave Fire Retardant PSA	24.00 (609.60)	24.00 (609.60)	0.060 (1.50)	343.21
739-02242	02242	Q-Zorb Surface Wave Fire Retardant PSA	24.00 (609.60)	24.00 (609.60)	0.125 (3.175)	439.49
739-02257	02257	Q-Zorb Surface Wave Fire Retardant PSA	24.00 (609.60)	24.00 (609.60)	0.080 (2.03)	381.73
739-02272	02272	Q-Zorb Surface Wave Fire Retardant PSA	24.00 (609.60	24.00 (609.60	0.100 (5.08)	400.97

Microwave Absorbing Foam

Microwave absorbing foam is commonly used around antennas and wireless devices to provide isolation or side lobe reduction. It can be die-cut into components for EMI reduction inside microwave cavities and is used to manufacture antenna hats and test boxes. It can be encapsulated into a textile cover for use outdoors and fabricated into blankets, covers and over components. Recently, it has been used for a combination air/EMI filter in networking equipment.

RFRET - Reticulated Foam Absorbers

RFRET is a urethane-based reticulated foam absorber. RFRET is offered with a graded carbon coating providing excellent broadband reflectivity reduction. RFRET with constant carbon loading provides excellent insertion loss. RFRET is useful for antenna sidelobe reduction and pattern enhancement.



RFLS-Lossy Foam Absorbers

RFLS is a single layer "lossy" sheet produced by dipping lightweight open-celled urethane foam into a resistive solution. The end product is a uniform lightweight, loaded sheet material with a specified insertion loss at a given frequency. RFLS offers the lowest cost in microwave absorber products.

Features:

- Typical applications: antennas, amplifiers, oscillators, computer housings and wireless equipment
- Lowers the noise or cavity Q in microwave components
- Can be supplied with PSA backing
- Excellent performance at low frequencies (> 100 MHz)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Laird Tech Part No.	Description	Height IN (mm)	Width IN. (mm)	Length IN. (mm)	Price Each			
						1	5	10	50
739-04001	04001	Reticulated Foam	24.00 (609.60)	24.00 (609.60)	.050 (1.27)	113.63	104.16	101.01	97.85
739-05099	05099	Lossy Foam, with PSA	24.00 (609.60	24.00 (609.60)	0.125 (3.18)	47.57	43.61	40.97	39.65
739-05102	05102	Lossy Foam, with PSA	24.00 (609.60	24.00 (609.60)	0.250 (6.35)	48.98	44.90	42.18	40.82

MURATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads

RoHS Compliant **This page of product is compliant.**

The chip ferrite beads BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequency mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

BLM__A SERIES

BLM__A series generates an impedance from the relatively low frequencies. Therefore, BLM__A series is effective in noise suppression in a wide frequency range.

Features:
- Suitable for flow and reflow soldering
- Wide temperature range; -55°C to +125°C
- High Z characteristics

Applications:
- I/O ports, DC power lines, and signal lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Category	Price Each			
							1	50	100	500
81-BLM18AG121SH1D	BLM18AG121SH1D	0603	120	200	0.20	Automotive	.14	.13	.12	.11
81-BLM18AG151SH1D	BLM18AG151SH1D	0603	150	200	0.25	Automotive	.14	.13	.12	.11
81-BLM18AG221SH1D	BLM18AG221SH1D	0603	220	200	0.30	Automotive	.14	.13	.12	.11
81-BLM18AG331SH1D	BLM18AG331SH1D	0603	330	200	0.45	Automotive	.14	.13	.12	.11
81-BLM18AG471SH1D	BLM18AG471SH1D	0603	470	200	0.50	Automotive	.14	.13	.12	.11
81-BLM18AG601SH1D	BLM18AG601SH1D	0603	600	200	0.50	Automotive	.14	.13	.12	.11
81-BLM18AG102SH1D	BLM18AG102SH1D	0603	1000	100	0.70	Automotive	.14	.13	.12	.11
81-BLM21AF121SH1D	BLM21AF121SH1D	0805	120	200	0.15	Automotive	.14	.13	.12	.11
81-BLM21AG121SH1D	BLM21AG121SH1D	0805	120	200	0.15	Automotive	.14	.13	.12	.11
81-BLM21A121S	BLM21AF121SN1D	0805	120	200	0.15	Standard	.12	.11	.10	.09
81-BLM21AG151SH1D	BLM21AG151SH1D	0805	150	200	0.15	Automotive	.14	.13	.12	.11
81-BLM21AG221SH1D	BLM21AG221SH1D	0805	220	200	0.20	Automotive	.14	.13	.12	.11
81-BLM21AG331SH1D	BLM21AG331SH1D	0805	330	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21AJ401SH1D	BLM21AJ401SH1D	0805	400	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21AG471SH1D	BLM21AG471SH1D	0805	470	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21AG601SH1D	BLM21AG601SH1D	0805	600	200	0.30	Automotive	.14	.13	.12	.11
81-BLM21AJ601SH1D	BLM21AJ601SH1D	0805	600	200	0.30	Automotive	.14	.13	.12	.11
81-BLM21A601S	BLM21AJ601SN1D	0805	600	200	0.30	Standard	.12	.11	.10	.09
81-BLM21AG102SH1D	BLM21AG102SH1D	0805	1000	200	0.45	Automotive	.14	.13	.12	.11
81-BLM21AH102SH1D	BLM21AH102SH1D	0805	1000	200	0.45	Automotive	.14	.13	.12	.11
81-BLM21A102S	BLM21AH102SN1D	0805	1000	200	0.45	Standard	.12	.11	.10	.09
81-BLM31AJ260SH1L	BLM31AJ260SH1L	1206	26	500	0.05	Automotive	.18	.15	.10	.09
81-BLM31A260S	BLM31AJ260SN1L	1206	26	500	0.05	Standard	.16	.13	.08	.07
81-BLM31AF700SH1L	BLM31AF700SH1L	1206	70	200	0.15	Automotive	.19	.15	.10	.09
81-BLM31A700S	BLM31AF700SN1L	1206	70	200	0.15	Standard	.17	.13	.09	.08
81-BLM31AJ601SH1L	BLM31AJ601SH1L	1206	600	200	0.90	Automotive	.25	.20	.14	.125
81-BLM31A601S	BLM31AJ601SN1L	1206	600	200	0.90	Standard	.23	.19	.12	.11
81-BLM41AF800SH1L	BLM41AF800SH1L	1806	80	500	0.10	Automotive	.25	.21	.14	.13
81-BLM41A800S	BLM41AF800SN1L	1806	80	500	0.10	Standard	.23	.19	.12	.11
81-BLM41AF151SH1L	BLM41AF151SH1L	1806	150	200	0.50	Automotive	.27	.22	.15	.14
81-BLM41A151S	BLM41AF151SN1L	1806	150	200	0.50	Standard	.25	.20	.13	.12

BLM__B SERIES DESIGNED FOR HIGH SPEED SIGNALS

BLM__B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics.

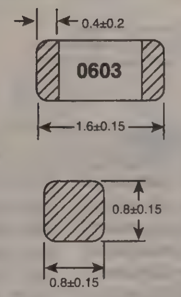
Features:
- Suitable for flow and reflow soldering
- Operating temperature: -55°C to +125°C
- High impedance characteristics
- Designed to reduce noise above operating frequencies from 10 to 100MHz

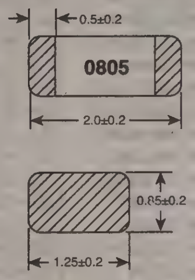
Applications:
- Computers and peripheral equipment
- Consumer products
- High speed circuits

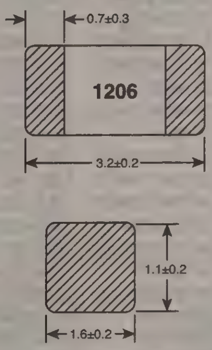
For quantities greater than listed, call for quote.

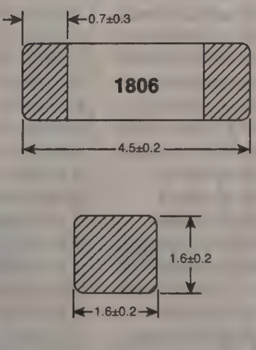
81-BLM18BA050SH1D	BLM18BA050SH1D	0603	5	500	0.20	Automotive	.14	.13	.12	.11
81-BLM18BB050SH1D	BLM18BB050SH1D	0603	5	700	0.10	Automotive	.14	.13	.12	.11
81-BLM18BA100SH1D	BLM18BA100SH1D	0603	10	500	0.20	Automotive	.14	.13	.12	.11
81-BLM18BB100SH1D	BLM18BB100SH1D	0603	10	500	0.15	Automotive	.14	.13	.12	.11
81-BLM18BA220SH1D	BLM18BA220SH1D	0603	22	500	0.35	Automotive	.14	.13	.12	.11
81-BLM18BB220SH1D	BLM18BB220SH1D	0603	22	500	0.25	Automotive	.14	.13	.12	.11
81-BLM18BA470SH1D	BLM18BA470SH1D	0603	47	300	0.55	Automotive	.14	.13	.12	.11
81-BLM18BB470SH1D	BLM18BB470SH1D	0603	47	500	0.30	Automotive	.14	.13	.12	.11
81-BLM18BB600SH1D	BLM18BB600SH1D	0603	60	200	0.35	Automotive	.14	.13	.12	.11
81-BLM18BB750SH1D	BLM18BB750SH1D	0603	75	200	0.35	Automotive	.14	.13	.12	.11
81-BLM18BA750SH1D	BLM18BA750SH1D	0603	75	300	0.70	Automotive	.14	.13	.12	.11
81-BLM18BA121SH1D	BLM18BA121SH1D	0603	120	200	0.90	Automotive	.14	.13	.12	.11
81-BLM18BB121SH1D	BLM18BB121SH1D	0603	120	200	0.50	Automotive	.14	.13	.12	.11
81-BLM18BD121SH1D	BLM18BD121SH1D	0603	120	200	0.40	Automotive	.14	.13	.12	.11
81-BLM18BB141SH1D	BLM18BB141SH1D	0603	140	200	0.55	Automotive	.14	.13	.12	.11
81-BLM18BB151SH1D	BLM18BB151SH1D	0603	150	200	0.55	Automotive	.14	.13	.12	.11
81-BLM18BD151SH1D	BLM18BD151SH1D	0603	150	200	0.40	Automotive	.14	.13	.12	.11
81-BLM18BB221SH1D	BLM18BB221SH1D	0603	220	200	0.65	Automotive	.14	.13	.12	.11
81-BLM18BD221SH1D	BLM18BD221SH1D	0603	220	200	0.45	Automotive	.14	.13	.12	.11
81-BLM18BB331SH1D	BLM18BB331SH1D	0603	330	200	0.75	Automotive	.14	.13	.12	.11
81-BLM18BD331SH1D	BLM18BD331SH1D	0603	330	200	0.50	Automotive	.14	.13	.12	.11
81-BLM18BD421SH1D	BLM18BD421SH1D	0603	420	200	0.55	Automotive	.14	.13	.12	.11
81-BLM18BB471SH1D	BLM18BB471SH1D	0603	470	50	1.00	Automotive	.14	.13	.12	.11
81-BLM18BD471SH1D	BLM18BD471SH1D	0603	470	200	0.55	Automotive	.14	.13	.12	.11
81-BLM18BD601SH1D	BLM18BD601SH1D	0603	600	200	0.65	Automotive	.14	.13	.12	.11
81-BLM18BD102SH1D	BLM18BD102SH1D	0603	1000	100	0.85	Automotive	.14	.13	.12	.11
81-BLM18BD152SH1D	BLM18BD152SH1D	0603	1500	50	1.20	Automotive	.14	.13	.12	.11
81-BLM18BD182SH1D	BLM18BD182SH1D	0603	1800	50	1.50	Automotive	.14	.13	.12	.11
81-BLM18BD222SH1D	BLM18BD222SH1D	0603	2200	50	1.50	Automotive	.14	.13	.12	.11
81-BLM18BD252SH1D	BLM18BD252SH1D	0603	2500	50	1.50	Automotive	.14	.13	.12	.11
81-BLM21BB050SH1D	BLM21BB050SH1D	0805	5	500	0.07	Automotive	.14	.13	.12	.11
81-BLM21BB600SH1D	BLM21BB600SH1D	0805	60	200	0.20	Automotive	.14	.13	.12	.11
81-BLM21BB750SH1D	BLM21BB750SH1D	0805	75	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21BB121SH1D	BLM21BB121SH1D	0805	120	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21BD121SH1D	BLM21BD121SH1D	0805	120	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21BB151SH1D	BLM21BB151SH1D	0805	150	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21BD151SH1D	BLM21BD151SH1D	0805	150	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21BB201SH1D	BLM21BB201SH1D	0805	200	200	0.35	Automotive	.14	.13	.12	.11
81-BLM21BB221SH1D	BLM21BB221SH1D	0805	220	200	0.35	Automotive	.14	.13	.12	.11
81-BLM21BD221SH1D	BLM21BD221SH1D	0805	220	200	0.25	Automotive	.14	.13	.12	.11
81-BLM21BB331SH1D	BLM21BB331SH1D	0805	330	200	0.40	Automotive	.14	.13	.12	.11
81-BLM21BD331SH1D	BLM21BD331SH1D	0805	330	200	0.30	Automotive	.14	.13	.12	.11
81-BLM21BD421SH1D	BLM21BD421SH1D	0805	420	200	0.30	Automotive	.14	.13	.12	.11
81-BLM21BB471SH1D	BLM21BB471SH1D	0805	470	200	0.45	Automotive	.14	.13	.12	.11
81-BLM21BD471SH1D	BLM21BD471SH1D	0805	470	200	0.35	Automotive	.14	.13	.12	.11
81-BLM21BD601SH1D	BLM21BD601SH1D	0805	600	200	0.35	Automotive	.14	.13	.12	.11
81-BLM21BD751SH1D	BLM21BD751SH1D	0805	750	200	0.40	Automotive	.14	.13	.12	.11
81-BLM21BD102SH1D	BLM21BD102SH1D	0805	1000	200	0.40	Automotive	.14	.13	.12	.11
81-BLM21BD152SH1D	BLM21BD152SH1D	0805	1500	200	0.45	Automotive	.15	.13	.09	.08
81-BLM21BD182SH1D	BLM21BD182SH1D	0805	1800	200	0.50	Automotive	.15	.13	.09	.08
81-BLM21BD222SH1L	BLM21BD222SH1L	0805	2200	200	0.60	Automotive	.15	.13	.09	.08
81-BLM21BD222TH1D	BLM21BD222TH1D	0805	2200	200	0.60	Automotive	.15	.13	.09	.08
81-BLM21BD272SH1L	BLM21BD272SH1L	0805	2700	200	0.80	Automotive	.15	.13	.09	.08

DIMENSIONS: mm









MURATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads

muRata
Innovator in Electronics

RoHS Compliant **This page of product is compliant.**

The chip ferrite beads BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequency mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

BLM__B SERIES DESIGNED FOR HIGH SPEED SIGNALS

The BLM__B series can minimize attenuation of the signal waveform due to its sharp impedance characteristics.

Features:
- Designed to reduce noise above operating frequencies from 10 to 100MHz
- High impedance characteristics
- Suitable for flow and reflow soldering
- Operating Temperature: -55°C to +125°C

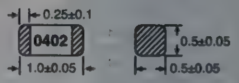
Applications:
- Computers and peripheral equipment
- Consumer products
- High speed circuits

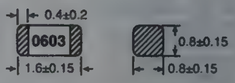
RoHS Compliant

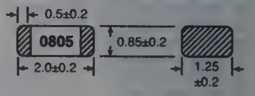
For quantities greater than listed, call for quote.

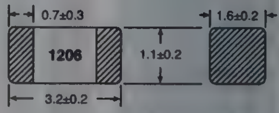
MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-BLM15BB050SN1D	BLM15BB050SN1D	0402	5	500	.08	.10	.062	.056	.051	10000	.031
81-BLM15BB100SN1D	BLM15BB100SN1D	0402	10	300	.10	.10	.062	.056	.051	10000	.031
81-BLM15BB220SN1D	BLM15BB220SN1D	0402	22	300	.20	.10	.062	.056	.051	10000	.031
81-BLM15BB470SN1D	BLM15BB470SN1D	0402	47	300	.35	.10	.062	.056	.051	10000	.031
81-BLM15BB750SN1D	BLM15BB750SN1D	0402	75	300	.40	.10	.062	.056	.051	10000	.031
81-BLM15BB121SN1D	BLM15BB121SN1D	0402	120	300	.55	.10	.062	.056	.051	10000	.031
81-BLM15BB221SN1D	BLM15BB221SN1D	0402	220	200	.80	.10	.062	.056	.051	10000	.031
81-BLM15BD471SN1D	BLM15BD471SN1D	0402	470	200	.60	.11	.064	.058	.053	10000	.032
81-BLM15BD601SN1D	BLM15BD601SN1D	0402	600	200	.65	.11	.064	.058	.053	10000	.032
81-BLM15BD102SN1D	BLM15BD102SN1D	0402	1K	200	.90	.11	.064	.058	.053	10000	.032
81-BLM18BA050SN1D	BLM18BA050SN1D	0603	5	500	.20	.08	.053	.048	.044	4000	.024
81-BLM18BA100SN1D	BLM18BA100SN1D	0603	10	500	.25	.08	.053	.048	.044	4000	.024
81-BLM18BA220SN1D	BLM18BA220SN1D	0603	22	500	.35	.08	.053	.048	.044	4000	.024
81-BLM18BA470SN1D	BLM18BA470SN1D	0603	47	300	.55	.08	.053	.048	.044	4000	.024
81-BLM18BA750SN1D	BLM18BA750SN1D	0603	75	300	.70	.08	.053	.048	.044	4000	.024
81-BLM18BA121SN1D	BLM18BA121SN1D	0603	120	200	.90	.08	.053	.048	.044	4000	.024
81-BLM18BB050SN1D	BLM18BB050SN1D	0603	5	700	.10	.08	.053	.048	.044	4000	.024
81-BLM18BB100SN1D	BLM18BB100SN1D	0603	10	500	.15	.08	.053	.048	.044	4000	.024
81-BLM18BB220S	BLM18BB220SN1D	0603	22	500	.25	.08	.053	.048	.044	4000	.024
81-BLM18BB470SN1D	BLM18BB470SN1D	0603	47	500	.30	.08	.053	.048	.044	4000	.024
81-BLM18BB600S	BLM18BB600SN1D	0603	60	200	.35	.08	.053	.048	.044	4000	.024
81-BLM11B750S	BLM18BB750SN1D	0603	75	200	.35	.08	.053	.048	.044	4000	.024
81-BLM18BB121SN1D	BLM18BB121SN1D	0603	120	200	.50	.08	.053	.048	.044	4000	.024
81-BLM11B141S	BLM18BB141SN1D	0603	140	200	.55	.08	.053	.048	.044	4000	.024
81-BLM18BB151SN1D	BLM18BB151SN1D	0603	150	200	.55	.08	.053	.048	.044	4000	.024
81-BLM18BB221SN1D	BLM18BB221SN1D	0603	220	200	.65	.08	.053	.048	.044	4000	.024
81-BLM18BB331SN1D	BLM18BB331SN1D	0603	330	200	.75	.08	.053	.048	.044	4000	.024
81-BLM18BB471SN1D	BLM18BB471SN1D	0603	470	50	1.0	.08	.053	.048	.044	4000	.024
81-BLM18BD121SN1D	BLM18BD121SN1D	0603	120	200	.40	.08	.053	.048	.044	4000	.024
81-BLM18BD151SN1D	BLM18BD151SN1D	0603	150	200	.40	.08	.053	.048	.044	4000	.024
81-BLM18BD221SN1D	BLM18BD221SN1D	0603	220	200	.45	.08	.053	.048	.044	4000	.024
81-BLM18BD331SN1D	BLM18BD331SN1D	0603	330	200	.50	.08	.053	.048	.044	4000	.024
81-BLM11B421S	BLM18BD421SN1D	0603	420	200	.55	.08	.053	.048	.044	4000	.024
81-BLM18BD471SN1D	BLM18BD471SN1D	0603	470	200	.55	.08	.053	.048	.044	4000	.024
81-BLM11B601S	BLM18BD601SN1D	0603	600	200	.65	.08	.053	.048	.044	4000	.024
81-BLM18BD102SN1D	BLM18BD102SN1D	0603	1K	100	.85	.08	.053	.048	.044	4000	.024
81-BLM18BD152SN1D	BLM18BD152SN1D	0603	1.5K	50	1.2	.08	.053	.048	.044	4000	.024
81-BLM18BD182SN1D	BLM18BD182SN1D	0603	1.8K	50	1.5	.08	.053	.048	.044	4000	.024
81-BLM18BD222SN1D	BLM18BD222SN1D	0603	2.2K	50	1.5	.08	.053	.048	.044	4000	.024
81-BLM18BD252SN1D	BLM18BD252SN1D	0603	2.5K	50	1.5	.08	.053	.048	.044	4000	.024
81-BLM21B050S	BLM21BB050SN1D	0805	5	500	.07	.11	.072	.065	.059	4000	.032
81-BLM21BB600SN1D	BLM21BB600SN1D	0805	60	200	.20	.11	.072	.065	.059	4000	.032
81-BLM21B750S	BLM21BB750SN1D	0805	75	200	.25	.11	.072	.065	.059	4000	.032
81-BLM21B121S	BLM21BB121SN1D	0805	120	200	.25	.11	.072	.065	.059	4000	.032
81-BLM21BB151SN1D	BLM21BB151SN1D	0805	150	200	.25	.11	.072	.065	.059	4000	.032
81-BLM21B201S	BLM21BB201SN1D	0805	200	200	.35	.11	.072	.065	.059	4000	.032
81-BLM21B221S	BLM21BB221SN1D	0805	220	200	.35	.11	.072	.065	.059	4000	.032
81-BLM21BB331SN1D	BLM21BB331SN1D	0805	330	200	.40	.11	.072	.065	.059	4000	.032
81-BLM21BB471SN1D	BLM21BB471SN1D	0805	470	200	.45	.11	.072	.065	.059	4000	.032
81-BLM21BD121SN1D	BLM21BD121SN1D	0805	120	200	.25	.11	.072	.065	.059	4000	.032
81-BLM21BD151SN1D	BLM21BD151SN1D	0805	150	200	.25	.11	.072	.065	.059	4000	.032
81-BLM21BD221SN1D	BLM21BD221SN1D	0805	220	200	.25	.11	.072	.065	.059	4000	.032
81-BLM21BD331SN1D	BLM21BD331SN1D	0805	330	200	.30	.11	.072	.065	.059	4000	.032
81-BLM21BD421SN1D	BLM21BD421SN1D	0805	420	200	.30	.11	.072	.065	.059	4000	.032
81-BLM21BD471SN1D	BLM21BD471SN1D	0805	470	200	.35	.11	.072	.065	.059	4000	.032
81-BLM21B601S	BLM21BD601SN1D	0805	600	200	.35	.11	.073	.066	.06	4000	.033
81-BLM21B751S	BLM21BD751SN1D	0805	750	200	.40	.12	.079	.072	.065	4000	.035
81-BLM21B102S	BLM21BD102SN1D	0805	1000	200	.40	.12	.079	.072	.065	4000	.035
81-BLM21BD152SN1D	BLM21BD152SN1D	0805	1.5K	200	.45	.15	.10	.091	.083	4000	.045
81-BLM21BD182SN1D	BLM21BD182SN1D	0805	1.8K	200	.50	.15	.10	.091	.083	4000	.045
81-BLM21BD222TN1D	BLM21BD222TN1D	0805	2.2K	200	.60	.15	.10	.091	.083	4000	.045
81-BLM21B222S	BLM21BD222SN1L	0805	2200	200	.60	.15	.10	.091	.083	3000	.05
81-BLM21BD272SN1L	BLM21BD272SN1L	0805	2.7K	200	.80	.15	.10	.091	.083	3000	.05
81-BLM31B601S	BLM31BE601SN1L	1206	600	300	.35	.32	.21	.19	.17	3000	.10

DIMENSIONS: mm









MURATA EMI Suppression Filters (EMIFIL®) Chip Ferrite Beads

RoHS Compliant **This page of product is compliant.**

The chip ferrite beads BLM series comprises ferrite bead in the shape of a chip. This ferrite bead generates a high impedance which at high frequency mainly consists of a resistance element. The BLM series is effective in circuits without stable ground lines because the BLM series does not need a connection to ground. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

BLM__A SERIES DESIGNED FOR STANDARD TYPE SIGNALS

BLM__A series generates an impedance from the relatively low frequencies. Therefore, BLM__A series is effective in noise suppression in a wide frequency range.

Features:

- Suitable for flow and reflow soldering
- Wide temperature range; -55°C to +125°C
- High Z characteristics
- Operating Temperature: -55°C to +125°C

Applications:

- I/O ports, DC power lines, and signal lines

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Code	Impedance (at 100MHz) (Ω)	Rated Current (mA)	Rdc Max. (Ω)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
81-BLM15AG100SN1D	BLM15AG100SN1D	0402	10	1000	.05	.10	.062	.058	.043	10000	.035
81-BLM15AG700SN1D	BLM15AG700SN1D	0402	70	500	.15	.10	.062	.058	.043	10000	.035
81-BLM15AG121SN1D	BLM15AG121SN1D	0402	120	500	.25	.10	.062	.058	.043	10000	.035
81-BLM15AG221SN1D	BLM15AG221SN1D	0402	220	300	.35	.14	.11	.08	.07	10000	.049
81-BLM15AG601SN1D	BLM15AG601SN1D	0402	600	300	.60	.14	.11	.08	.07	10000	.049
81-BLM15AG102SN1D	BLM15AG102SN1D	0402	1K	200	1.0	.14	.11	.08	.07	10000	.049
81-BLM11A121S	BLM18AG121SN1D	0603	120	200	.20	.08	.053	.048	.044	4000	.03
81-BLM18AG151SN1D	BLM18AG151SN1D	0603	150	200	.25	.08	.053	.048	.044	4000	.03
81-BLM11A221S	BLM18AG221SN1D	0603	220	200	.30	.08	.053	.048	.044	4000	.03
81-BLM18AG331SN1D	BLM18AG331SN1D	0603	330	200	.30	.08	.053	.048	.044	4000	.03
81-BLM18AG471SN1D	BLM18AG471SN1D	0603	470	200	.50	.08	.053	.048	.044	4000	.03
81-BLM11A601S	BLM18AG601SN1D	0603	600	200	.50	.08	.053	.048	.044	4000	.03
81-BLM11A102S	BLM18AG102SN1D	0603	1000	100	.70	.08	.053	.048	.044	4000	.03
81-BLM21AG350SN1D	BLM21AG350SN1D	0805	35	200	.15	.11	.064	.059	.044	4000	.035
81-BLM21AG121SN1D	BLM21AG121SN1D	0805	120	200	.15	.11	.064	.059	.044	4000	.035
81-BLM21AG151SN1D	BLM21AG151SN1D	0805	150	200	.15	.11	.064	.059	.044	4000	.035
81-BLM21AG221SN1D	BLM21AG221SN1D	0805	220	200	.20	.11	.064	.059	.044	4000	.035
81-BLM21AG331SN1	BLM21AG331SN1D	0805	330	200	.25	.11	.064	.059	.044	4000	.035
81-BLM21AG471SN1D	BLM21AG471SN1D	0805	470	200	.25	.11	.064	.059	.044	4000	.035
81-BLM21A601F	BLM21AG601SN1D	0805	600	200	.30	.11	.064	.059	.044	4000	.035
81-BLM21AG102SN1	BLM21AG102SN1D	0805	1000	200	.45	.11	.064	.059	.044	4000	.035

BLM__H SERIES DESIGNED FOR UHF APPLICATIONS

BLM18H series has a modified internal electrode structure, that minimizes stray capacitance and increases the effective frequency range.

- BLM18H series realizes high impedance at 1GHz and is suitable for noise suppression from 500MHz to GHz range.
- HG-type is effective in noise suppression in wide frequency range.
- HD-type for high-speed signal line provides a sharper roll-off after the cut off frequency.
- The magnetic shielded structure minimizes cross talk.
- Operating Temperature: -55°C to +125°C

For quantities of 8000 and up, call for quote.

81-BLM15HD601SN1D	BLM15HD601SN1D	0402	600	300	.85	.20	.13	.12	.11	10000	.065
81-BLM15HD102SN1D	BLM15HD102SN1D	0402	1K	250	1.25	.20	.13	.12	.11	10000	.065
81-BLM15HG601SN1D	BLM15HG601SN1D	0402	600	300	.70	.20	.13	.12	.11	10000	.065
81-BLM15HG102SN1D	BLM15HG102SN1D	0402	1K	250	1.1	.20	.13	.12	.11	10000	.065
81-BLM18HB121SN1	BLM18HB121SN1D	0603	120	200	.50	.15	.095	.086	.078	4000	.043
81-BLM18HB221SN1D	BLM18HB221SN1D	0603	220	100	.80	.15	.095	.086	.078	4000	.043
81-BLM18HB331SN1D	BLM18HB331SN1D	0603	330	50	1.2	.15	.095	.086	.078	4000	.043
81-BLM18HD471SN1D	BLM18HD471SN1D	0603	470	100	1.2	.17	.11	.10	.093	4000	.051
81-BLM11HB601SD	BLM18HD601SN1D	0603	600	100	1.5	.17	.11	.10	.093	4000	.051
81-BLM11HB102SD	BLM18HD102SN1D	0603	1000	50	1.8	.17	.11	.10	.093	4000	.051
81-BLM11HA471SG	BLM18HG471SN1D	0603	470	200	.85	.17	.11	.10	.093	4000	.051
81-BLM11HA601SG	BLM18HG601SN1D	0603	600	200	1.0	.17	.11	.10	.093	4000	.051
81-BLM11HA102SG	BLM18HG102SN1D	0603	1000	100	1.6	.17	.11	.10	.093	4000	.051
81-BLM18HK331SN1	BLM18HK331SN1D	0603	330	200	.50	.17	.11	.10	.093	4000	.051
81-BLM18HK471SN1D	BLM18HK471SN1D	0603	470	200	.70	.17	.11	.10	.093	4000	.051
81-BLM18HK601SN1D	BLM18HK601SN1D	0603	600	100	.90	.17	.11	.10	.093	4000	.051
81-BLM18HK102SN1D	BLM18HK102SN1D	0603	1K	50	1.5	.17	.11	.10	.093	4000	.051

BLM__P SERIES DESIGNED FOR LOW DCR HIGH CURRENT CIRCUITS

BLM__P series can match power lines to a maximum of 6A DC.

- Operating Temperature: -55°C to +125°C

For quantities greater than listed, call for quote.

81-BLM11P300S	BLM18PG300SN1D	0603	30	1000	.05	.08	.053	.048	.044	4000	.024
81-BLM18PG330SN1D	BLM18PG330SN1D	0603	33	3000	.025	.08	.053	.048	.044	4000	.024
81-BLM11P600S	BLM18PG600SN1D	0603	60	500	.10	.08	.053	.048	.044	4000	.024
81-BLM18PG121SN1D	BLM18PG121SN1D	0603	120	2000	.05	.08	.053	.048	.044	4000	.024
81-BLM18PG181SN1D	BLM18PG181SN1D	0603	180	1500	.09	.08	.053	.048	.044	4000	.024
81-BLM21PG220SN1D	BLM21PG220SN1D	0805	22	6000	.01	.10	.064	.058	.053	4000	.029
81-BLM21P300S	BLM21PG300SN1D	0805	30	3000	.015	.10	.064	.058	.053	4000	.029
81-BLM21P600S	BLM21PG600SN1D	0805	60	3000	.025	.10	.064	.058	.053	4000	.029
81-BLM21P221SG	BLM21PG221SN1D	0805	220	2000	.05	.10	.064	.058	.053	4000	.029
81-BLM21P331SG	BLM21PG331SN1D	0805	330	1500	.09	.10	.064	.058	.053	4000	.029
81-BLM31P330S	BLM31PG330SN1L	1206	33	6000	.01	.23	.019	.17	.14	3000	.092
81-BLM31P500S	BLM31PG500SN1L	1206	50	3000	.025	.23	.019	.17	.14	3000	.092
81-BLM31PG121SN1L	BLM31PG121SN1L	1206	120	3000	.025	.23	.019	.17	.14	3000	.092
81-BLM31P391S	BLM31PG391SN1L	1206	390	2000	.05	.23	.019	.17	.14	3000	.092
81-BLM31PG601SN1	BLM31PG601SN1L	1206	600	1500	.09	.23	.019	.17	.14	3000	.092
81-BLM41P600S	BLM41PG600SN1L	1806	60	6000	.01	.25	.21	.19	.15	2500	.11
81-BLM41P750S	BLM41PG750SN1L	1806	75	3000	.025	.25	.21	.19	.15	2500	.11
81-BLM41PG101SN1L	BLM41PG101SN1L	1806	100	3000	.025	.25	.21	.19	.15	2500	.11
81-BLM41P181S	BLM41PG181SN1L	1806	180	3000	.025	.25	.21	.19	.15	2500	.11
81-BLM41PG471SN1L	BLM41PG471SN1L	1806	470	2000	.05	.25	.21	.19	.15	2500	.11
81-BLM41PG102SN1L	BLM41PG102SN1L	1806	1K	1500	.09	.36	.24	.22	.20	2500	.12

BLM__R SERIES DESIGNED FOR DIGITAL INTERFACE

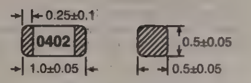
Resistance of BLM__R series especially grows in the lower frequency range. Therefore BLM__R series is less effective for digital signal waveform at low frequency range and can suppress the ringing.

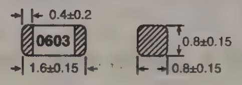
- Operating Temperature: -55°C to +125°C

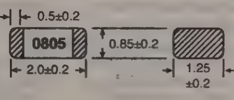
For quantities of 8000 and up, call for quote.

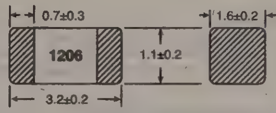
81-BLM18RK121SN1D	BLM18RK121SN1D	0603	120	200	.25	.08	.053	.048	.044	4000	.024
81-BLM18RK221SN1D	BLM18RK221SN1D	0603	220	200	.30	.08	.053	.048	.044	4000	.024
81-BLM18RK471SN1D	BLM18RK471SN1D	0603	470	200	.50	.08	.053	.048	.044	4000	.024
81-BLM18RK601SN1	BLM18RK601SN1D	0603	600	200	.60	.08	.053	.048	.044	4000	.024
81-BLM18RK102SN1D	BLM18RK102SN1D	0603	1K	200	.80	.08	.053	.048	.044	4000	.024
81-BLM21RK121SN1D	BLM21RK121SN1D	0805	120	200	.15	.11	.072	.065	.059	4000	.032
81-BLM21RK221SN1D	BLM21RK221SN1D	0805	220	200	.20	.11	.072	.065	.059	4000	.032
81-BLM21RK471SN1D	BLM21RK471SN1D	0805	470	200	.25	.11	.072	.065	.059	4000	.032
81-BLM21RK601SN1D	BLM21RK601SN1D	0805	600	200	.30	.12	.08	.073	.066	4000	.036
81-BLM21RK102SN1D	BLM21RK102SN1D	0805	1K	200	.50	.12	.08	.073	.066	4000	.036

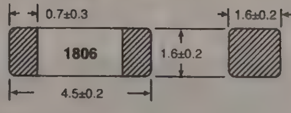
DIMENSIONS: mm











RoHS Compliant This page of product is compliant.

DS_6 SERIES DISC TYPE EMIFIL® LEADED EMI SUPPRESSION FILTER

DS_6 is a compact, high performance lead type EMI suppression filter which can be mounted 2.54mm pitch. Its three terminal structure enables nice high frequency performance.

Applications:

- Computer and peripherals interfaces
- Compact digital equipment
- Compact PPC, electronic typewriters, other electronic equipment and appliances
- Helps all electronic equipment and appliances meet FCC, VDE and CISPR regulations
- STD footprint for high density mounting

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Capacitance (pF)	Capacitor		Ferrite Beads	Current (A)	Price Each			
				Vdc	T.C.			1	100	250	500
Manufacturers Type DSN6 Series											
81-DS306Y5S470M50	DSN6NC51H470Q55B	A	47	50	20%	None	6	.70	.39	.29	.26
81-DS306Y5S101M50	DSN6NC51H101Q55B	A	100	50	20%	None	6	.70	.39	.29	.26
81-DS306FZ103Z50	DSN6NZ81H103Q55B	A	10000	50	80%-20%	None	6	.70	.39	.29	.26
Manufacturers Type DSS6 Series											
81-DSS306Y5S470M100	DSS6NC52A470Q55B	B	47	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5S101M100	DSS6NC52A101Q55B	B	100	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5S271M100	DSS6NC52A271Q55B	B	270	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5S471M100	DSS6NC52A471Q55B	B	470	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5S102M100	DSS6NC52A102Q55B	B	1000	100	20%	Internal	6	.90	.50	.36	.34
81-DSS306Y5U222Z100	DSS6NE52A222Q55B	B	2200	100	80%-20%	Internal	6	.90	.50	.36	.34

DS_9 SERIES DISC TYPE EMIFIL® LEADED EMI SUPPRESSION FILTER

Disc type EMIFIL®, DSS9 and DST9 are T-type EMI suppression filters. The disc-type EMIFIL increases the self-resonant frequency of the capacitor by attaching two lead wires to one of the electrodes of the capacitor and increases the insertion loss by adding inductance to the lead. Frequencies to be suppressed can be selected by choosing the capacitance. They are also recommended for use as by-pass capacitors.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Capacitance (pF)	Capacitor		Ferrite Beads	Current (A)	Price Each			
				Vdc	T.C.			1	100	250	500
Manufacturers Type DSS9 Series											
81-DSS310Y5S220M100	DSS9NC52A220Q55B	C	22	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310Y5S470M100	DSS9NC52A470Q55B	C	47	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310Y5S271M100	DSS9NC52A271Q55B	C	270	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310Y5S222M100	DSS9NC52A222Q55B	C	2200	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310BL222M100	DSS9NP32A222Q55B	C	2200	100	20%	Internal	7	1.10	.61	.44	.41
81-DSS310Y5S223S50	DSS9NC51H223Q55B	C	22000	50	50%-20%	Internal	7	1.10	.61	.44	.41
Manufacturers Type DST9 Series											
81-DST310Y5S271M100	DST9NC52A271Q55B	D	270	100	20%	External	7	1.20	.66	.48	.45
81-DST310Y5S222M100	DST9NC52A222Q55B	D	2200	100	20%	External	7	1.20	.66	.48	.45
81-DST310Y5S223S50	DST9NC51H223Q55B	D	22000	50	50%-20%	External	7	1.20	.66	.48	.45

BNX SERIES LEADED EMI FILTER LC COMBINED TYPE

The block type "EMIFIL" BNX Series incorporates through-type capacitor, multilayer chip capacitors and bead. The BNX is high performance for use in DC power circuits.

Applications:

- Noise suppression for DC power line of large screen display
- PDP
- LCD-TV

Features:

- The filter enables obtaining high insertion loss in wide frequency ranges from 0.5MHz to 1GHz.
- The only one filter block enable noise suppression of both the positive and negative lines.
- There are no connection routes in the current circuits, thus ensuring highly reliable performance.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Vdc	Withstand Voltage	Rated Current	Insulation Resistance (min.) (MΩ)	Price Each			
							1	10	25	50
81-BNX002-01	BNX002-01	E	50	125	10A	100	8.70	7.25	5.80	5.08
81-BNX003-01	BNX003-01	E	150	375	10A	100	9.24	7.70	6.16	5.39
81-BNX005-01	BNX005-01	F	50	125	15A	100	12.72	10.60	8.48	7.42

BL01/02/03 SERIES FERRITE BEAD INDUCTORS

BL01/02/03 series are ferrite beads with lead wires to produce a high frequency loss for suppression of noise. Simple construction and easy-to-use, effective for low impedance circuits such as power supplies and grounds. Effective also for preventing overshoot and undershoot of digital signal in clocks or the like, and suppressing the higher harmonic wave. Suitable for prevention of abnormal oscillation at high frequency amplifying circuit.

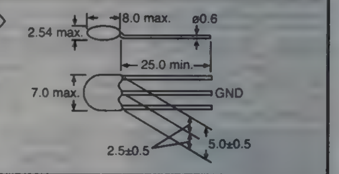
RoHS Compliant

For quantities of 1000 and up, call for quote.

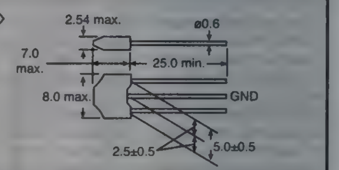
MOUSER STOCK NO.	Murata Part No.	Fig.	Number of Beads Core	Rated Current	Price Each			
					1	50	100	500
81-BL01RN1A1D2B	BL01RN1A1D2B	G	1	7A	.16	.11	.08	.06
81-BL01RN1A2A2B	BL01RN1A2A2B	H	1	7A	.20	.14	.11	.08
81-BL02RN2R1M2B	BL02RN2R1M2B	I	2	7A	.21	.17	.13	.12
81-BL03RN2R1M1B	BL03RN2R1M1B	J	2	7A	.22	.16	.13	.10

DIMENSIONS: mm

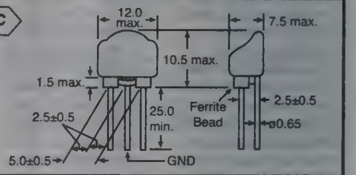
A


2.54 max.
8.0 max.
ø0.6
25.0 min.
7.0 max.
GND
2.5±0.5
5.0±0.5

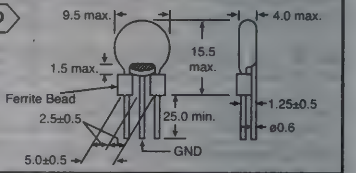
B


2.54 max.
ø0.6
7.0 max.
25.0 min.
8.0 max.
GND
2.5±0.5
5.0±0.5

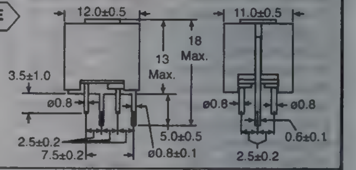
C


12.0 max.
7.5 max.
10.5 max.
1.5 max.
2.5±0.5
25.0 min.
Ferrite Bead
2.5±0.5
ø0.65
5.0±0.5
GND

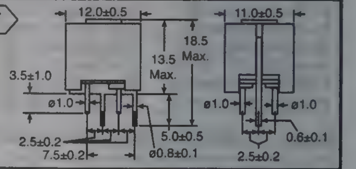
D


9.5 max.
4.0 max.
15.5 max.
1.5 max.
Ferrite Bead
1.25±0.5
2.5±0.5
25.0 min.
ø0.6
5.0±0.5
GND

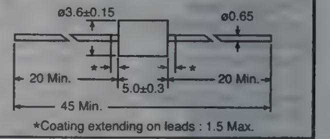
E


12.0±0.5
11.0±0.5
18 Max.
13 Max.
3.5±1.0
ø0.8
ø0.8
ø0.8
2.5±0.2
5.0±0.5
0.6±0.1
7.5±0.2
ø0.8±0.1
2.5±0.2

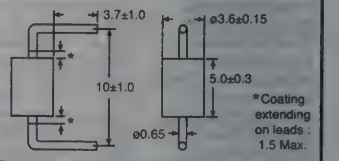
F


12.0±0.5
11.0±0.5
18.5 Max.
13.5 Max.
3.5±1.0
ø1.0
ø1.0
ø1.0
2.5±0.2
5.0±0.5
0.6±0.1
7.5±0.2
ø0.8±0.1
2.5±0.2

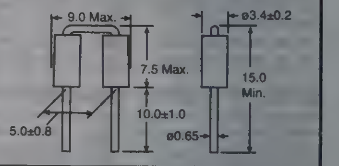
G


ø3.6±0.15
ø0.65
20 Min.
5.0±0.3
20 Min.
45 Min.
*Coating extending on leads : 1.5 Max.

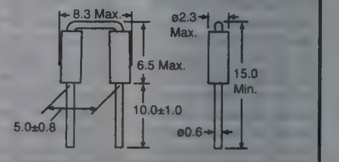
H


3.7±1.0
ø3.6±0.15
10±1.0
5.0±0.3
*Coating extending on leads : 1.5 Max.
ø0.65

I


9.0 Max.
ø3.4±0.2
7.5 Max.
15.0 Min.
10.0±1.0
5.0±0.8
ø0.65

J


8.3 Max.
ø2.3 Max.
6.5 Max.
15.0 Min.
10.0±1.0
5.0±0.8
ø0.6

MURATA Chip Capacitor Type and LC Combined EMI Filters

muRata
Innovator in Electronics

CHIP CAPACITOR TYPE EMI FILTERS

NFM21CC Series - 0805 Case Size

The "EMIFIL" NFM21C series is a chip type three terminal EMI suppression filter. It can reduce residual inductance to an extremely low level making it excellent for noise suppression at high frequencies.

Applications:
- PCs and peripherals which emit high amounts of noise
- Compact size equipment such as PDA, PC card and mobile telecommunications equipment
- Severe EMI suppression and high impedance circuits such as digital circuits

Features:
- Three terminal structure enables high performance in high frequency range.
- Uses original electrode structure which realizes excellent solderability.

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (mA)	Price Each			Reel Qty.	Price Per Piece
						1	100	500		
81-NFM21CC220U1H3D	NFM21CC220U1H3D	A	22	50	.7	.31	.16	.13	4000	.10
81-NFM21CC470U1H3D	NFM21CC470U1H3D	A	47	50	.7	.31	.16	.13	4000	.10
81-NFM21CC101U1H3D	NFM21CC101U1H3D	A	100	50	.7	.31	.16	.13	4000	.10
81-NFM21CC221R1H3D	NFM21CC221R1H3D	A	220	50	.7	.31	.16	.13	4000	.10
81-NFM21CC471R1H3D	NFM21CC471R1H3D	A	470	50	1.0	.31	.16	.13	4000	.10
81-NFM21CC102R1H3D	NFM21CC102R1H3D	A	1000	50	1.0	.31	.16	.13	4000	.10
81-NFM21CC222R1H3D	NFM21CC222R1H3D	A	2200	50	1.0	.31	.16	.13	4000	.10
81-NFM21CC223R1H3D	NFM21CC223R1H3D	A	22000	50	2.0	.31	.16	.13	4000	.10

NFM21PC Series - 0805 Case Size

NFM21P is a three terminal structure component. This product can be applied to large current DC power lines. NFM21P is suitable for noise suppression of DC power lines where relatively large current operates.

Features:
- The rated current of 4A is suitable for IC's individual power lines.
- Murata's original internal electrode structure design realizes excellent EMI suppression effects from low frequency to high frequency.

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (mA)	1	100	500	Reel Qty.	Price Per Piece
81-NFM21PC104R1E3D	NFM21PC104R1E3D	B	0.1	25	2	.25	.14	.11	4000	.09
81-NFM21PC474R1C	NFM21PC474R1C3D	B	0.47	16	2	.31	.16	.12	4000	.10
81-NFM21PC105F1C3D	NFM21PC105F1C3D	B	1	16	2	.26	.13	.10	4000	.084
81-NFM21PC105B1A3D	NFM21PC105B1A3D	B	1	10	4	.26	.13	.10	4000	.084

NFE31PT Series - 1206 Case Size

The "EMIFIL" NFE31P is a small size T-type circuit EMI suppression filter.

Features:
- Its large rated current of 6A and low voltage drop due to small DC resistance are suitable for DC power line use.
- The feedthrough capacitor realizes excellent high frequency characteristics.
- The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits.

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (mA)	1	100	500	Reel Qty.	Price Per Piece
81-NFE31PT220R1E9L	NFE31PT220R1E9L	C	22	25	6	.64	.35	.28	2000	.23
81-NFE31PT470C1E9L	NFE31PT470C1E9L	C	47	25	6	.64	.35	.28	2000	.23
81-NFE31PT101C1E9L	NFE31PT101C1E9L	C	100	25	6	.64	.35	.28	2000	.23
81-NFE31PT221D1E9L	NFE31PT221D1E9L	C	220	25	6	.64	.35	.28	2000	.23
81-NFE31PT471F1E9L	NFE31PT471F1E9L	C	470	25	6	.64	.35	.28	2000	.23
81-NFE31PT152Z1E9L	NFE31PT152Z1E9L	C	1500	25	6	.64	.35	.28	2000	.23
81-NFE31PT222Z1E9L	NFE31PT222Z1E9L	C	2200	25	6	.64	.35	.28	2000	.23

NFM41PC Series - 1806 Case Size

The "EMIFIL" NFM41P series consists of three terminal structure. These components are able to be applied to large current DC power lines. NFM41P series are suitable in noise suppression in DC lines where relatively large currents operate.

Applications:
- Personal computers, word processors and peripherals
- Telephones, PCs, communication equipment, etc.
- Digital TVs, VCRs
- Telecommunications equipment

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (mA)	1	100	500	Reel Qty.	Price Per Piece
81-NFM41PC204F1H	NFM41PC204F1H3L	D	0.2	50	2	1.12	.56	.44	4000	.36

NFE61PT Series - 2606 Case Size

Features:
- The NFE61PT series has large rated current of 2A and low voltage drop due to small DC resistance suitable for power line use.
- The feedthrough capacitor realizes excellent high frequency characteristics.
- The structure incorporates built-in ferrite beads which minimize resonance with surrounding circuits.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Value (pF)	Volt (DC)	Rated Current (mA)	1	100	500	Reel Qty.	Price Per Piece
81-NFE61PT330B1H9L	NFE61PT330B1H9L	E	33	50	2	.94	.46	.37	2500	.31
81-NFE61PT101Z1H9L	NFE61PT101Z1H9L	E	100	50	2	.94	.46	.37	2500	.31
81-NFE61PT181B1H9L	NFE61PT181B1H9L	E	180	50	2	.94	.46	.37	2500	.31
81-NFE61PT361B1H9L	NFE61PT361B1H9L	E	360	50	2	.94	.46	.37	2500	.31
81-NFE61PT681B1H9L	NFE61PT681B1H9L	E	680	50	2	.94	.46	.37	2500	.31
81-NFE61PT102E1H9L	NFE61PT102E1H9L	E	1000	50	2	.94	.46	.37	2500	.31
81-NFE61PT472C1H9L	NFE61PT472C1H9L	E	4700	50	2	1.14	.57	.45	2500	.37

LC COMBINED CHIP EMIFIL

NFL18ST Series

The NFL18ST series is an EMI suppression filter for high speed signal lines, achieving T-type structure in 1.6x0.8mm size with Murata's multilayer technology.

Applications:
- Noise suppression for video signal lines (RGB lines) and high speed clock lines

Features:
- Steep insertion loss characteristics realize excellent noise suppression and prevent distortion of signal waveform.
- By minimizing stray capacitance of inductor, achieves high performance in noise suppression in high frequency range.

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Cut-Off Freq. (MHz)	Value (pF)	Inductance (nH)	Volt (DC)	Current (mA)	Price Each			Reel Qty.	Price Per Piece
								1	100	500		
81-NFL18ST507X1C3D	NFL18ST507X1C3D	F	500	10	43	16	200	.67	.33	.27	4000	.22
81-NFL18ST307X1C3D	NFL18ST307X1C3D	F	300	18	62	16	200	.67	.33	.27	4000	.22
81-NFL18ST157X1C3D	NFL18ST157X1C3D	F	150	32	140	16	100	.67	.33	.27	4000	.22

NFL21SP Series

- Suppresses noise with little attenuation of the signal itself due to its steep filtering characteristics.
- Murata's original internal structure design enables excellent noise suppression up to high frequencies.

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Cut-Off Freq. (MHz)	Value (pF)	Inductance (nH)	Volt (DC)	Current (mA)	1	100	500	Reel Qty.	Price Per Piece
81-NFL21SP407X1C3D	NFL21SP407X1C3D	G	400	16	34	16	300	.50	.23	.18	4000	.14
81-NFL21SP307X1C3D	NFL21SP307X1C3D	G	300	19	45	16	300	.50	.23	.18	4000	.14
81-NFL21SP107X1C3D	NFL21SP107X1C3D	G	100	44	135	16	200	.50	.23	.18	4000	.14
81-NFL21SP706X1C3D	NFL21SP706X1C3D	G	70	76	185	16	150	.52	.25	.20	4000	.16
81-NFL21SP506X1C3D	NFL21SP506X1C3D	G	50	84	305	16	150	.53	.26	.21	4000	.17
81-NFL21SP206X1C3D	NFL21SP206X1C3D	G	20	240	700	16	100	.53	.26	.21	4000	.17

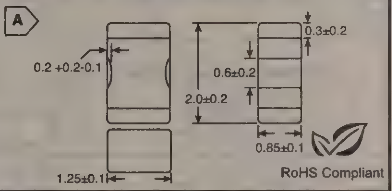
NFW31SP Series

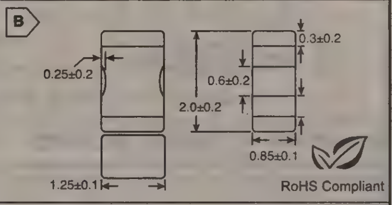
The EMI filter NFW31S series consists of high performance EMI suppression filters. They are designed for noise suppression in high speed signal digital circuits in which the signal harmonics are prone to becoming noise sources. These filters achieve a 100dB/dec. (typ.) damping characteristic with Murata's innovative circuit design. This makes these chips effective in applications where the signal and noise frequencies are close to each other.

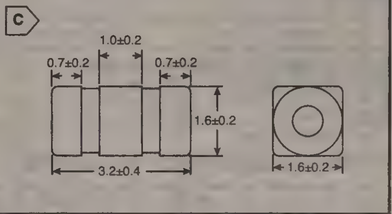
For quantities of 4000 and up, call for quote.

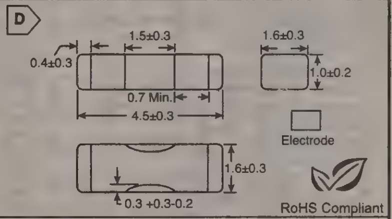
MOUSER STOCK NO.	Murata Part No.	Fig.	Nominal Cut-Off Freq. (MHz)	Attenuation @ MHz							Price Each			Reel Qty.	Price Per Piece
				20	50	100	200	400	500	1000	1	100	500		
81-NFW31SP206X1E4L	NFW31SP206X1E4L	H	20	6	5	25	25	-	30	30	.78	.49	.39	2000	.32
81-NFW31SP506X1E4L	NFW31SP506X1E4L	H	50	-	6	10	30	-	30	30	.78	.49	.39	2000	.32
81-NFW31SP207X1E4L	NFW31SP207X1E4L	H	200	-	-	-	6	-	10	30	.78	.49	.39	2000	.32
81-NFW31SP407X1E4L	NFW31SP407X1E4L	H	400	-	-	-	-	6	-	10	.78	.49	.39	2000	.32
81-NFW31SP507X1E4L	NFW31SP507X1E4L	H	500	-	-	-	-	-	6	10	.78	.49	.39	2000	.32

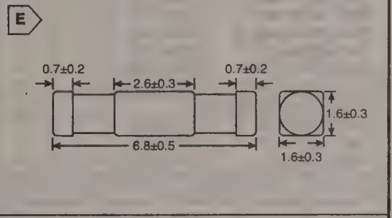
DIMENSIONS: mm

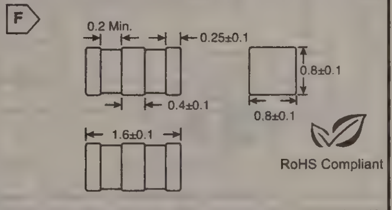


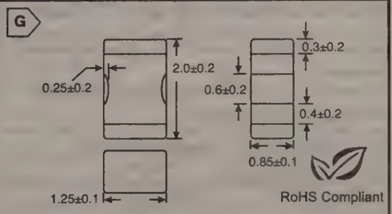


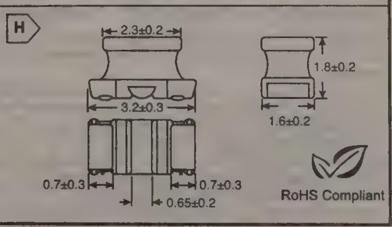








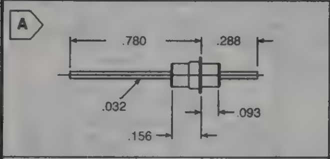


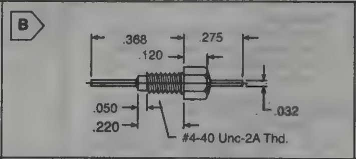


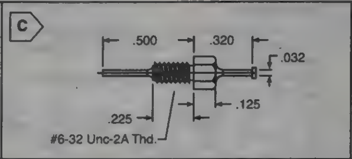
SPECTRUM CONTROL EMI Low Pass Filters

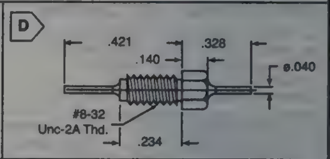
SPECTRUM CONTROL INC

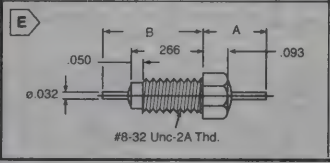
DIMENSIONS: in.

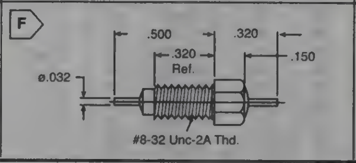

A
.780
.288
.032
.093
.156

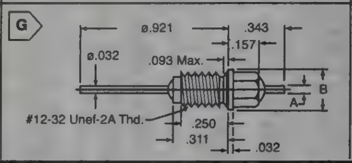

B
.368
.275
.120
.050
.220
.032
#4-40 Unc-2A Thd.

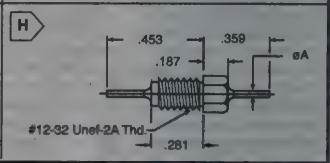

C
.500
.320
.032
.125
.225
#6-32 Unc-2A Thd.


D
.421
.328
.140
ø.040
#8-32
Unc-2A Thd.
.234


E
B
A
.050
266
.093
ø.032
#8-32 Unc-2A Thd.


F
.500
.320
.320
Ref.
.150
ø.032
#8-32 Unc-2A Thd.


G
ø.921
.343
.157
ø.032
.093 Max.
B
A
#12-32 Unef-2A Thd.
.250
.311
.032


H
.453
.359
.187
øA
#12-32 Unef-2A Thd.
.281

SOLDER-IN PI CIRCUIT FILTERS

Solder-in filters are ideal for use in critical areas where space does not allow use of mounting tools or hardware. The solder-in feature also allows installation in unison with other board mounted components. Primarily used in filtering signal/data lines and DC power lines.

Features:

- Small size to allow effective use of space
- Voltage ratings to 200 VDC
- Ampere: 10
- High temperature construction to prevent reflow during installation
- RoHS Compliant per Spectrum Control documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Hex.	VDC (125°C)	Min Cap	Minimum Insertion Loss (dB)				Price Each		
						1 MHz	10 MHz	100 MHz	1 GHz	1	5	10
∗657-1214F-001	1214F-001	A	- - -	200	1750 pF	- - -	5	50	60	**4.27**	**4.07**	**3.69**

∗ with Turret on one end

RESIN SEALED BOLT-IN FILTERS

These filters are easily mounted in a tapped hole or thru-hole with supplied nut and lock-washer. The rugged case with resin seals at both ends provides excellent environmental protection. Primarily used in filtering signal/data lines and DC power lines.

Features:

- Ampere: 10
- RoHS Compliant per Spectrum Control documentation

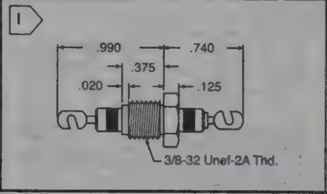
RoHS Compliant

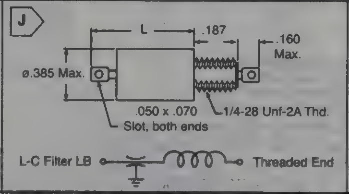
For quantities of 25 and up, call for quote.

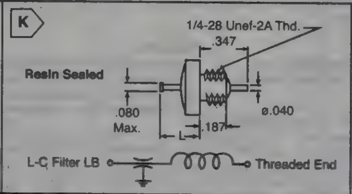
MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Dimensions: in.		Hex.	VDC (125°C)	Min Cap	Minimum Insertion Loss (dB)				Price Each		
			A	B				1 MHz	10 MHz	100 MHz	1 GHz	1	5	10
C Circuit 4-40 Thread														
657-9900F-381-6004	9900F-381-6004	B	- - -	- - -	0.156	50	5000 pF	- - -	15	30	45	**6.85**	**6.52**	**6.19**
657-9900F-381-6020	9900F-381-6020	B	- - -	- - -	0.156	200	100 pF	- - -	- - -	3	20	**6.68**	**6.36**	**6.04**
LB Circuit 6-32 Thread														
657-51F-726-002	51F-726-002	C	- - -	- - -	0.156	100	0.022 µF	7	27	43	60	**7.43**	**7.08**	**6.73**
C Circuit 8-32 Thread														
657-54F-785-005	54F-785-005	D	- - -	- - -	0.187	100	0.05 µF	15	34	45	60	**7.56**	**7.20**	**6.84**
Pi Circuit 8-32 Thread														
657-1250F-054	1250F-054	E	0.312	0.500	0.187	70	5000 pF	- - -	20	65	70	**8.37**	**7.91**	**7.31**
657-1293F-001	1293F-001	F	- - -	- - -	0.187	70	0.060 µF	10	38	75	75	**16.02**	**15.21**	**14.04**
∗† 657-51-712-063 Δ	51-712-063	E	0.312	0.500	0.187	100	5500 pF	- - -	15	65	70	**9.41**	**8.96**	**8.51**
657-1250F-003	1250F-003	E	0.312	0.890	0.187	200	3000 pF	- - -	5	45	60	**7.07**	**6.79**	**6.50**
† 657-51F-712-001	51F-712-001	E	0.312	0.890	0.187	200	3000 pF	- - -	5	42	70	**5.94**	**5.66**	**5.38**
∗∗657-51F-744-002	51F-744-002	E	0.265	0.413	0.187	200	5500 pF	- - -	14	55	70	**6.03**	**5.74**	**5.45**
Pi Circuit 12-32 Thread														
† 657-1270F-016	1270F-016	G	0.032	0.250	0.187	100	5500 pF	- - -	20	65	70	**6.67**	**6.39**	**6.12**
657-1270F-025	1270F-025	G	0.032	0.235	0.187	100	5500 pF	- - -	20	65	70	**6.67**	**6.39**	**6.12**
657-51F-719-011	51F-719-011	H	0.040	- - - -	0.250	500	3000 pF	- - -	12	45	60	**5.96**	**5.68**	**5.40**

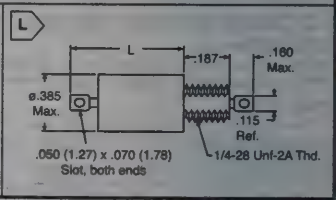
∗ 5 Ampre † with Turret lead ∗∗ Supplied with .040 diameter lead Δ Not RoHS Compliant

DIMENSIONS: in.


I
.990
.740
.375
.020
.125
3/8-32 Unef-2A Thd.


J
L
.187
.160
Max.
ø.385 Max.
.050 x .070
Slot, both ends
1/4-28 Unf-2A Thd.
L-C Filter LB
Threaded End


K
1/4-28 Unef-2A Thd.
.347
Resin Sealed
.080
Max.
L
.187
ø.040
L-C Filter LB
Threaded End


L
L
.187
.160
Max.
ø.385
Max.
.115
Ref.
.050 (1.27) x .070 (1.78)
Slot, both ends
1/4-28 Unf-2A Thd.

HIGH CURRENT / HIGH VOLTAGE RESIN SEALED FILTERS

High current filters are ideal for use in high current 5 volt logic buss, but also can be used for 48 VDC telephone rack buss, high current switch mode power supplies and DC charging systems. High voltage filters find use in high voltage power supplies and applications requiring U.L. Hi-Pot.

Features:

- Continuous voltage ratings up to 1250 VDC/240 VAC (400Hz)
- Rugged bolt-in style for easy installation
- Ampere: 25
- RoHS Compliant per Spectrum Control documentation

Pi Circuit 3/8-32 Thread

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Hex.	VDC (125°C)	Min Cap	Minimum Insertion Loss (dB)				Price Each		
						1 MHz	10 MHz	100 MHz	1 GHz	1	5	10
657-1280F-060	1280F-060	I	0.500	2500	1500 pF	----	5	50	50	**25.10**	**23.85**	**22.02**

HERMETICALLY SEALED THREADED CASE FILTERS

This series of filters features hermetic glass seals and high EMI filtering performance. They are excellent for critical applications that demand high reliability in the toughest enviromental conditions and provide broad-band high performance EMI filtering from 10 KHz to over 10 GHz.

Features:

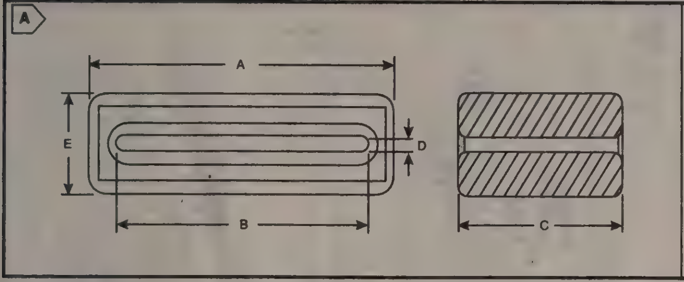
- .375" case diameters
- Voltage ratings from 50 VDC to 200 VDC
- 1/4-28 Thread
- RoHS Compliant per Spectrum Control documentation

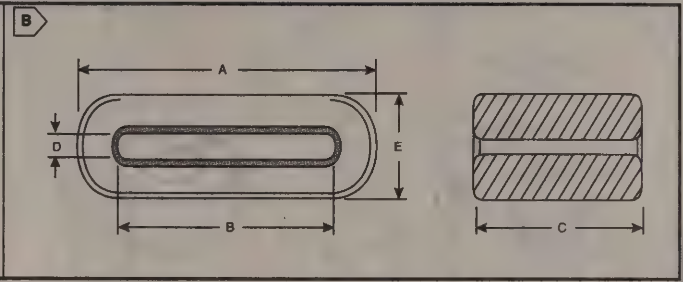
RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Hex.	VDC (125°C)	Min Cap	CKT	Max L (In.)	Minimum Insertion Loss (dB)				Price Each		
								1 MHz	10 MHz	100 MHz	1 GHz	1	5	10
.375 L Circuit Standard Low Profile - 15 Amp														
657-9051F-100-0000	9051F-100-0000	J	- - -	50	1.200 µF	LB	0.370	44	60	70	70	**22.74**	**21.66**	**20.58**
657-51F-717-001	51F-717-001	K	- - -	50	1.400 µF	LB	0.325	44	60	70	70	**21.00**	**20.00**	**19.00**

RoHS Compliant This page of product is compliant.





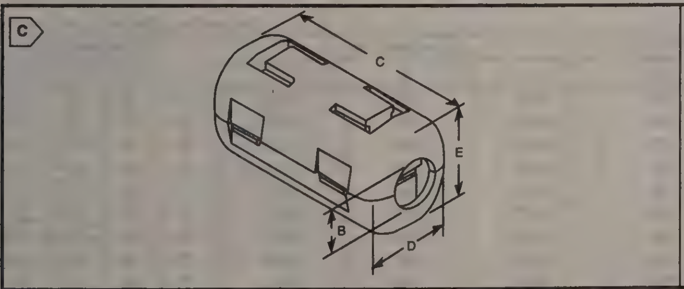
STEWARD BROADBAND (30 MHZ - 900 MHZ OPTIMIZED) RIBBON & FLEX CABLE FERRITE CORES FOR EMI

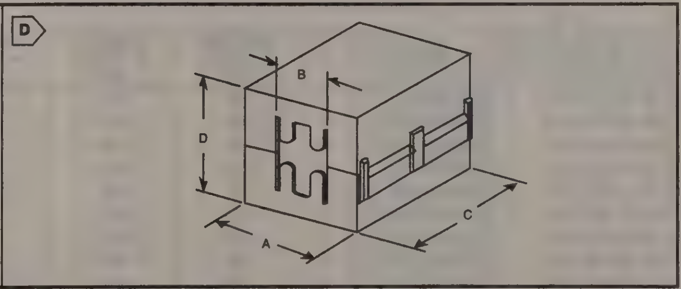
One piece Ferrite EMI cores for Flat Cables. Cable must be inserted into the ferrite cores before cable ends are connected. Parts are made from high performance material.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100 MHz (Ω)	Impedance @ 300 MHz (Ω)	DIMENSIONS: mm					Price Each			
					A	B	C	D	E	1	10	50	100
875-28R0315-200	28R0315-200	A	102	250	8.00	6.00	12.00	0.70	2.70	.25	.25	.21	.18
875-28R0453-200	28R0453-200	A	104	260	11.50	8.00	12.00	0.70	3.00	.39	.30	.25	.21
875-28R0453-300	28R0453-300	A	160	330	11.50	8.00	20.00	0.70	3.00	.39	.30	.25	.21
875-28R0480-000	28R0480-000	A	190	320	12.20	8.00	18.00	1.00	5.50	.32	.25	.21	.18
875-28R0592-010	28R0592-010	A	227	370	15.01	10.00	22.86	1.50	7.49	.62	.48	.40	.34
875-28R0669-000	28R0669-000	A	110	270	17.00	13.00	12.00	0.75	3.50	.40	.31	.26	.22
875-28R0880-000	28R0880-000	A	187	356	22.35	14.00	19.05	1.50	7.75	.77	.60	.50	.43
875-28R0898-200	28R0898-200	A	127	290	22.80	18.70	16.00	0.70	2.80	.45	.35	.29	.25
875-28R1102-100	28R1102-100	A	192	380	28.00	23.00	20.00	0.80	2.80	.76	.59	.49	.42
875-28R1103-000	28R1103-000	A	230	480	28.00	23.00	27.00	1.10	6.10	.89	.69	.57	.49
875-28R1227-100	28R1227-100	A	128	300	31.12	24.77	13.30	1.91	8.26	.80	.62	.51	.44
875-28R1236-000	28R1236-000	A	162	370	31.40	23.00	19.00	1.50	7.75	.70	.70	.58	.50
875-28R1240-010	28R1240-010	A	211	440	31.40	23.00	21.00	1.00	7.75	1.06	.82	.68	.58
875-28R1517-000	28R1517-000	A	230	520	38.10	26.67	25.40	1.91	12.07	1.99	1.54	1.28	1.10
875-28R1775-000	28R1775-000	A	260	530	45.08	34.42	28.58	1.52	12.45	2.79	2.16	1.79	1.54
875-28R1779-000	28R1779-000	A	298	588	63.50	52.07	28.58	1.68	12.70	3.93	3.05	2.53	2.18
875-28R1779-100	28R1779-100	A	170	375	63.50	52.07	12.98	1.68	12.70	1.78	1.38	1.14	.98
875-28R1800-010	28R1800-010	A	260	555	45.72	35.05	27.94	1.52	12.70	2.83	2.19	1.81	1.56
875-28R1861-000	28R1861-000	A	244	507	47.70	36.00	27.00	2.74	15.24	2.83	2.19	1.81	1.56
875-28R2000-010	28R2000-010	A	170	380	50.80	40.60	15.20	2.00	12.20	1.78	1.38	1.15	.99
875-28R2170-000	28R2170-000	A	280	550	55.12	43.69	25.40	1.27	12.70	3.12	2.42	2.01	1.73
875-28R2170-100	28R2170-100	A	170	370	55.12	43.69	12.70	1.27	12.70	1.78	1.38	1.14	.99
875-28R3149-000	28R3149-000	A	135	318	79.98	68.58	12.70	1.27	11.99	2.01	1.56	1.29	1.11
875-28R0610-000	28R0610-000	B	80	216	15.50	13.50	10.00	1.40	3.40	.36	.28	.23	.20
875-28R0756-000	28R0756-000	B	107	258	19.20	15.00	10.00	1.15	5.35	.45	.35	.29	.25
875-28R0756-200	28R0756-200	B	150	300	19.20	15.00	16.00	1.15	5.35	.30	.30	.25	.22
875-28R0984-000	28R0984-000	B	220	430	25.00	18.00	24.00	0.90	7.70	.90	.70	.58	.50
875-28R0984-200	28R0984-200	B	170	370	25.00	18.00	16.00	0.90	7.70	.75	.58	.48	.42
875-28R1127-000	28R1127-000	B	220	430	28.58	23.50	31.00	1.70	7.70	1.17	.91	.76	.65
875-28R1127-400	28R1127-400	B	150	330	28.58	23.50	17.00	1.70	7.70	.79	.61	.50	.43
875-28R1127-500	28R1127-500	B	110	265	28.58	23.50	9.70	1.70	7.70	.49	.38	.32	.27
875-28R1141-010	28R1141-010	B	168	380	37.00	27.00	18.25	1.50	8.00	1.01	.78	.65	.56
875-28R1261-100	28R1261-100	B	350	700	32.00	25.10	35.00	0.90	7.75	1.64	1.27	1.05	.91
875-28R1261-200	28R1261-200	B	135	310	32.00	25.10	9.70	0.90	7.75	.59	.46	.38	.33
875-28R1340-200	28R1340-200	B	220	449	34.00	28.00	25.00	1.00	7.00	1.12	.87	.72	.62
875-28R1450-100	28R1450-100	B	130	290	36.83	29.58	10.00	0.75	7.75	.71	.55	.46	.39
875-28R1475-400	28R1475-400	B	140	310	37.01	33.00	13.46	0.51	4.50	.71	.55	.46	.39
875-28R1654-010	28R1654-010	B	84	200	42.00	37.50	5.00	0.70	5.00	.50	.39	.33	.28
875-28R1953-000	28R1953-000	B	127	300	49.61	44.00	12.00	1.45	7.62	.74	.74	.61	.53





STEWARD HIGH FREQUENCY (300 MHZ - 2 GHZ) SPLIT/SNAP-ON FERRITE CORES FOR CABLES & WIRING HARNESSES

RoHS Compliant

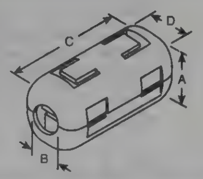
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Net Impedance @ 500 MHz (Ω)	Net Impedance @ 800 MHz (Ω)	Max. Cable Dia. mm	DIMENSIONS: mm				Case Color	Price Each			
						A	B	C	D		1	10	50	100
875-HFA100049-0A2	HFA100049-0A2	C	152	168	4.88	29.3	12.8	6.3	12.4	Black	1.35	1.12	.97	.87
875-HFA150066-0A2	HFA150066-0A2	D	350	339	6.6	32.5	17.88	7	18.9	Black	2.16	1.79	1.55	1.39
875-HFA150068-0A2	HFA150068-0A2	C	340	281	6.76	41.68	21.03	8.13	21	Black	2.41	2.00	1.73	1.55
875-HFA163090-0A2	HFA163090-0A2	C	260	262	9.01	40.36	19.1	9.09	20.8	Black	2.59	2.15	1.85	1.67
875-HFA187102-0A2	HFA187102-0A2	D	290	280	10.16	32.64	21.77	10	21.95	Black	2.86	2.38	2.05	1.85
875-HFA259131-0A2	HFA259131-0A2	D	315	275	13.06	32.51	29.01	13	29.6	Black	4.57	3.79	3.27	2.94

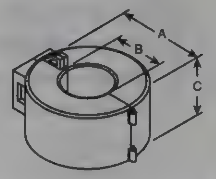
STEWARD Ferrite Cable and Wire EMI Filters

RoHS Compliant This page of product is compliant.

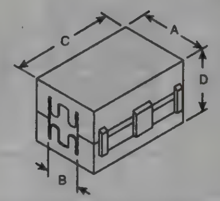
A



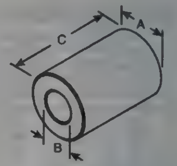
B



C



D



SNAP-ON EMI FERRITE CLAMP FILTERS IN PLASTIC CASES

RoHS Compliant

Features:
- For retrofit and post assembly usages
- Excellent common and differential mode EMI suppression
- Black or white plastic snap-on cases provide secure closure
- For round cables and wire bundles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	Impedance @ 300MHz (Ω)	Maximum Cable Diameter	Dimensions: mm				Case Color	Price Each			
						A	B	C	D		1	10	50	100
875-28A0392-0A0	28A0392-0A0	A	170	320	4.65	12.8	5.44	29.08	12.32	White	1.05	.87	.75	.68
875-28A0640-0A0	28A0640-0A0	A	240	390	8.95	19.1	9.09	40.36	20.8	White	1.93	1.60	1.38	1.25
875-28A2025-0A0	28A2025-0A0	C	320	510	6.35	17.9	7.0	32.5	18.4	White	1.86	1.55	1.33	1.20
875-28A2029-0A0	28A2029-0A0	C	250	420	9.91	21.77	10.0	32.84	21.84	White	2.32	1.92	1.66	1.49
875-28A2024-0A0	28A2024-0A0	C	280	440	12.7	29.0	13.0	32.5	29.6	White	3.69	3.06	2.64	2.38
875-28A0392-0A2	28A0392-0A2	A	170	320	4.65	12.8	5.44	29.08	12.32	Black	1.05	.87	.75	.68
875-28A0350-0B2	28A0350-0B2	A	240	400	3.5	13.0	3.5	25.2	11.5	Black	1.02	.85	.73	.66
875-28A2736-0A2	28A2736-0A2	A	220	360	9.0	18.0	9.0	35.1	19.7	Black	1.51	1.25	1.08	.97
875-28A0640-0A2	28A0640-0A2	A	240	690	8.95	19.1	9.09	40.36	20.8	Black	1.93	1.60	1.38	1.25
875-28A2026-0A2	28A2026-0A2	A	270	460	6.35	21.03	8.13	41.68	21.03	Black	2.05	1.70	1.47	1.32
875-28A3851-0A2	28A3851-0A2	A	260	410	12.85	30.0	13.0	33.7	30.0	Black	3.11	2.58	2.22	2.00
875-28A0593-0A2	28A0593-0A2	B	471	575	6.55	18.75	6.60	6.55	-	Black	1.75	1.46	1.26	1.13
875-28A2432-0A2	28A2432-0A2	B	160	300	8.13	19.2	8.2	19.9	-	Black	1.26	1.05	.91	.82
875-28A3039-0A2	28A3039-0A2	B	130	250	10.19	24.55	10.2	13.6	-	Black	1.32	1.10	.95	.86
875-28A4155-0A2	28A4155-0A2	B	120	230	13.55	28.8	13.6	15.4	-	Black	1.52	1.26	1.09	.98
875-28A0434-0A2	28A0434-0A2	B	227	449	5.1	42.55	14.3	5.35	-	Black	1.23	1.03	.89	.80
875-28A0592-0A2	28A0592-0A2	B	572	688	4.5	53.39	18.75	4.8	-	Black	1.81	1.51	1.30	1.17
875-28A2025-0A2	28A2025-0A2	C	320	510	6.35	17.9	7.0	32.5	18.4	Black	1.86	1.55	1.33	1.20
875-28A2029-0A2	28A2029-0A2	C	250	420	9.91	21.77	10.0	32.84	21.84	Black	2.32	1.92	1.66	1.49
875-28A5131-0A2	28A5131-0A2	C	425	533	25.4	56.64	19.5	45	56.63	Black	18.58	15.40	13.28	11.95

ROUND AND CYLINDRICAL FERRITE EMI SUPPRESSION CORES

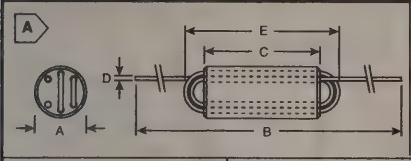
RoHS Compliant

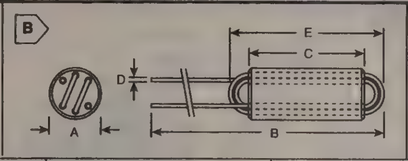
Features:
- Excellent common and differential mode EMI suppression
- For round cables and wire bundles
- Broadband performance
- Impedance value is NET impedance of the ferrite core only

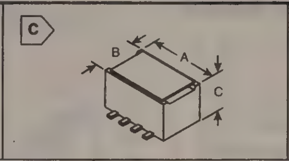
For quantities of 500 and up, call for quote.

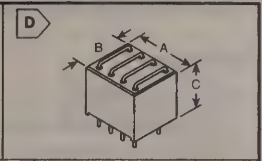
MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 25MHz (Ω)	Impedance @ 100MHz (Ω)	Impedance @ 300MHz (Ω)	Dimensions: mm			Price Each			
						A	B	C	1	10	50	100
875-28B0268-000	28B0268-000	D	65	138	260	6.78	3.99	14.22	.14	.12	.10	.09
875-28B0375-100	28B0375-100	D	74	154	282	9.53	5.08	10.41	.22	.17	.15	.13
875-28B0375-300	28B0375-300	D	100	194	310	9.53	5.08	19.05	.26	.20	.17	.15
875-28B0485-000	28B0485-000	D	170	320	450	12.32	4.88	25.4	.58	.45	.39	.35
875-28B0500-100	28B0500-100	D	33	83	200	12.7	7.92	6.35	.18	.14	.12	.11
875-28B0562-200	28B0562-200	D	177	317	470	14.27	6.35	28.58	.47	.39	.33	.30
875-28B0563-200	28B0563-200	D	149	287	406	14.27	7.26	28.57	.68	.53	.46	.41
875-28B0625-100	28B0625-100	D	150	280	400	15.88	7.87	28.58	.79	.61	.53	.48
875-28B0631-100	28B0631-100	D	124	243	370	16.0	9.25	28.0	.72	.56	.48	.44
875-28B0672-000	28B0672-000	D	130	245	360	17.07	8.76	25.4	1.02	.79	.72	.65
875-28B0686-000	28B0686-000	D	61	91	214	17.42	9.52	6.35	.28	.22	.19	.17
875-28B0686-100	28B0686-100	D	66	139	265	17.42	9.52	12.7	.81	.63	.57	.52
875-28B0686-200	28B0686-200	D	124	242	390	17.42	9.52	28.58	.81	.63	.55	.49
875-28B0734-000	28B0734-000	D	116	229	370	18.67	11.18	28.58	1.39	1.08	.98	.89
875-28B0735-000	28B0735-000	D	135	250	400	18.67	10.16	28.58	.94	.73	.63	.57
875-28B0870-100	28B0870-100	D	56	122	236	22.1	13.72	12.7	.63	.49	.42	.38
875-28B1000-000	28B1000-000	D	73	151	278	25.4	12.7	12.7	.83	.64	.55	.50
875-28B1020-100	28B1020-100	D	147	276	412	25.91	12.83	28.58	1.81	1.40	1.21	1.09
875-28B1122-100	28B1122-100	D	160	307	440	28.5	13.77	28.58	2.06	1.71	1.47	1.33
875-28B1142-000	28B1142-000	D	34	85	200	29.01	19.0	7.49	.59	.46	.40	.36

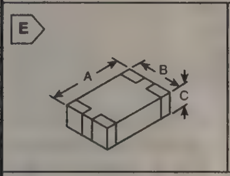
RoHS Compliant **This page of product is compliant.**

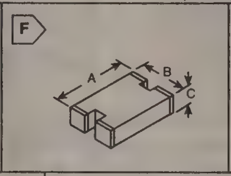


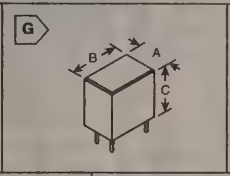


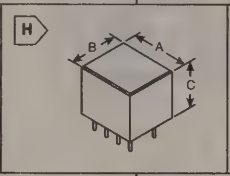


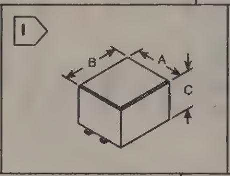


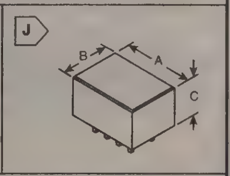


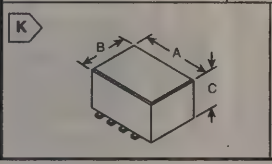


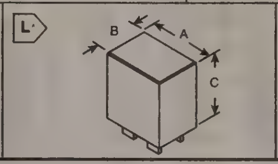


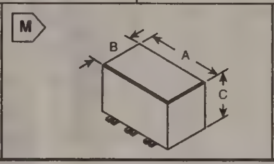


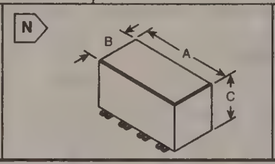


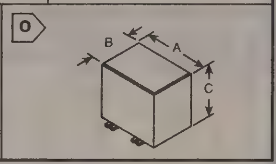












MULTIPLE TURN AXIAL LEAD FERRITE BEAD/CORES - DIFFERENTIAL MODE

- Wirewound through Ferrite
- Lead free and RoHS compliant
- Wound with 24 AWG copper wire

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 25MHz (Ω)	Impedance @ 100MHz (Ω)	Rated Current	Dimensions (mm)					Number of Turns	Price Each			
						A	B	C	D	E		1	10	50	100
875-28C0236-0BW-10	28C0236-0BW-10	A	538	835	7	5.99	86.46	10	0.51	14.61	2.5	.17	.13	.11	.10
875-28C0236-0EW-10	28C0236-0EW-10	B	605	998	7	5.99	50.53	10	0.51	14.61	3.0	.21	.16	.13	.12

DIFFERENTIAL MODE FERRITE EMI FILTERS

- Up to 10 Amps continuous operation
- 3, 4, 5, and 8 line configurations available

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Mounting Style	Impedance @ 100MHz (Ω)	Rated Current	Dimensions (mm)			Price Each			
						A	B	C	1	10	50	100
875-29F0418-1SR-10	29F0418-1SR-10	C	SMD	119	6	6.1	4.5	4.19	1.20	.93	.81	.74
875-29F0430-2SR-10	29F0430-2SR-10	C	SMD	200	9	10.87	10.87	6.35	1.30	1.01	.87	.80
875-29F0428-0T0-10	29F0428-0T0-10	D	Thru-Hole	342	10	10.88	10.88	10.57	.72	.60	.52	.47
875-29F0429-0T0-10	29F0429-0T0-10	D	Thru-Hole	285	10	10.88	5.49	10.44	.54	.45	.39	.35

COMMON MODE CHIP BEAD - HIGH CURRENT

- Stable performance
- Compact common mode noise filters
- Up to 10 Amps continuous current
- Low profile (as low as 1.6mm)

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	Peak Z Frequency (MHz)	DCR (Ω)	Rated Current (A)	Dimensions (mm)			Price Each			
							A	B	C	1	10	50	100
875-CM1812X330R-10	CM1812X330R-10	E	33	3000	.003	10	4.57	3.05	1.6	.26	.20	.18	.16
875-CM3312R111R-10	CM3312R111R-10	E	110	3000	.005	5	8.5	3.05	2.36	.36	.28	.25	.23
875-CM3322U610R-10	CM3322U610R-10	F	61	3000	.015	7	8.5	5.6	2.1	.37	.29	.26	.24

HIGH CURRENT COMMON MODE CHOKE ARRAYS

- Current ratings up to 75 Amps
- Can be used in 3 phase applications
- Both through hole and SMD configurations

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	DCR (Ω)	Rated Current	Dimensions (mm)			Price Each			
						A	B	C	1	10	50	100
875-CM2545X171B-10	CM2545X171B-10	G	170	.01	10	6.3	11.38	9.32	.81	.67	.58	.52
875-CM4545Z131B-10	CM4545Z131B-10	H	130	.01	10	11.38	11.38	9.32	.95	.79	.68	.54
875-CM3440Z171R-10	CM3440Z171R-10	I	170	.001	20	8.51	10.03	9.32	1.51	1.17	1.01	.94
875-CM5740Z171B-10	CM5740Z171B-10	J	170	.001	20	14.48	10.03	9.32	1.05	.88	.76	.69
875-CM5740Z171R-10	CM5740Z171R-10	K	170	.001	20	14.48	10.03	9.32	1.70	1.32	1.15	1.07
875-CM5441Z101B-10	CM5441Z101B-10	L	100	.0003	30	13.72	10.41	10.52	1.61	1.34	1.15	.63
875-CM5441Z161B-10	CM5441Z161B-10	L	160	.0003	30	13.72	10.41	10.52	1.69	1.41	1.21	.75
875-CM4732V201R-10	CM4732V201R-10	M	200	.01	8	11.94	8.13	9.45	1.50	1.16	1.05	.95
875-CM4732V301R-10	CM4732V301R-10	M	300	.01	8	11.94	8.13	9.45	2.46	1.91	1.66	1.50
875-CM6032V201R-10	CM6032V201R-10	N	200	.01	8	15.24	8.13	9.45	2.15	1.67	1.45	1.34

COMMON MODE EMI FILTER ARRAYS

- Up to 5 Amps continuous
- 2, 3, and 4 choke versions
- Low normal mode Z at 100MHz
- SMD mounting style

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Fig.	Impedance @ 100MHz (Ω)	DCR (Ω)	Rated Current	Dimensions (mm)			Price Each			
						A	B	C	1	10	50	100
875-CM2722R201R-10	CM2722R201R-10	O	200	.02	5	6.99	5.72	9.53	1.25	1.08	1.00	.85
875-CM3822R151R-10	CM3822R151R-10	M	150	.02	5	9.78	5.72	7.62	1.07	.93	.86	.70
875-CM3822R201R-10	CM3822R201R-10	M	200	.02	5	9.78	5.72	7.62	1.44	1.25	1.15	.70
875-CM3822R800R-10	CM3822R800R-10	M	80	.02	5	9.78	5.72	7.62	1.02	.88	.82	.75
875-CM5022R151R-10	CM5022R151R-10	N	150	.02	5	12.57	5.72	7.62	1.31	1.14	1.05	.69
875-CM5022R201R-10	CM5022R201R-10	N	200	.02	5	12.57	5.72	7.62	1.69	1.47	1.36	.92
875-CM5022R800R-10	CM5022R800R-10	N	80	.02	5	12.57	5.72	7.62	1.21	1.05	.97	.64

STEWARD EMI Chip Beads

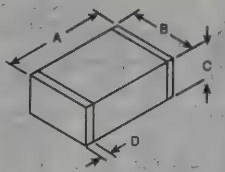
RoHS Compliant **This page of product is compliant.**

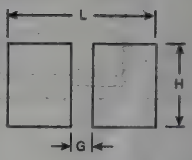
SMD FERRITE EMI CHIP BEADS

Specifications:
- Small Footprint
- Excellent retention under bias
- Rugged monolithic construction
- Superior impedance vs frequency characteristics
- Economical
- Broad range of sizes, impedance values & current ratings

Applications:
- Filtering of power input pins and devices using high speed clocks
- High frequency filtering of medium speed clocks and video signals
- Data Bus Filtration; High frequency amplifier oscillation killers

RoHS Compliant





Land Pattern
(For Reflow Soldering)

Steward Product Series Codes:
LI - Low Current Chips (1 amp & <400 ohms)
MI - Mid Current Chips (1-2.5 amps)
HZ - High Impedance Chip (<1 amp & >400 ohms)
HI - High Current Chip (>3 amps)

EIA Package Size	Dimensions: mm						
	A	B	C	D	L	G	H
0402	1.01	0.50	0.50	0.30	2.10	0.50	0.55
0603	1.60	0.80	0.80	0.36	2.60	0.60	0.80
0805	2.00	1.25	1.25	0.51	3.23	0.66	1.47
1206	3.20	1.60	1.10	0.51	4.40	2.20	1.40
1210	3.20	2.50	1.40	0.46	4.06	1.62	2.92
1812	4.50	3.20	1.40	0.46	5.90	2.57	4.22

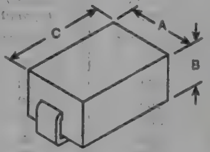
For quantities of 500 and up, call for quote.

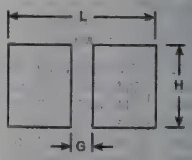
MOUSER STOCK NO.	Steward Part No.	Case Size	Impedance @ 100MHz (Ω)	Rated Current (mA)	Peak Impedance (Ω)	Peak Impedance Frequency (MHz)	Price Each			
							1	10	50	100
875-HZ0402A601R-10	HZ0402A601R-10	0402	600	100	965	241	.15	.10	.09	.08
875-LI0603G121R-10	LI0603G121R-10	0603	120	700	177	389	.09	.07	.06	.05
875-LI0603G221R-10	LI0603G221R-10	0603	220	700	283	251	.09	.07	.06	.05
875-LI0603D301R-10	LI0603D301R-10	0603	300	400	389	261	.09	.07	.06	.05
875-MI0603J600R-10	MI0603J600R-10	0603	60	1000	96	739	.14	.08	.07	.06
875-MI0603J601R-10	MI0603J601R-10	0603	600	1000	644	138	.16	.10	.09	.08
875-HZ0603C601R-10	HZ0603C601R-10	0603	600	300	775	168	.13	.08	.06	.06
875-HZ0603B102R-10	HZ0603B102R-10	0603	938	200	992	135	.13	.08	.06	.06
875-LI0805H121R-10	LI0805H121R-10	0805	120	800	171	319	.14	.08	.07	.06
875-MI0805K110R-10	MI0805K110R-10	0805	11	1500	24	3000	.15	.09	.08	.07
875-MI0805K400R-10	MI0805K400R-10	0805	40	1500	69	903	.15	.09	.08	.07
875-MI0805K601R-10	MI0805K601R-10	0805	600	1500	727	122	.17	.10	.09	.08
875-HI0805Q310R-10	HI0805Q310R-10	0805	27	4500	45	800	.15	.10	.09	.08
875-HZ0805E601R-10	HZ0805E601R-10	0805	600	500	696	155	.14	.08	.07	.06
875-HZ0805D102R-10	HZ0805D102R-10	0805	1000	400	1268	113	.15	.10	.08	.08
875-HZ0805C202R-10	HZ0805C202R-10	0805	2000	300	2099	100	.15	.10	.08	.08
875-MI1206K310R-10	MI1206K310R-10	1206	31	1500	41	1018	.19	.12	.10	.10
875-MI1206K900R-10	MI1206K900R-10	1206	90	1500	154	867	.19	.12	.10	.10
875-MI1206L501R-10	MI1206L501R-10	1206	500	2000	483	85	.19	.12	.10	.10
875-MI1206K601R-10	MI1206K601R-10	1206	600	1800	662	79	.20	.14	.12	.11
875-HI1206T500R-10	HI1206T500R-10	1206	50	6000	70	1018	.17	.13	.12	.11
875-HI1206N800R-10	HI1206N800R-10	1206	80	3000	131	903	.17	.13	.12	.11
875-HI1206N101R-10	HI1206N101R-10	1206	100	3000	149	684	.17	.13	.12	.11
875-HI1206T161R-10	HI1206T161R-10	1206	160	6000	229	306	.17	.13	.12	.11
875-HZ1206E601R-10	HZ1206E601R-10	1206	600	500	674	75	.17	.11	.10	.09
875-MI1210K600R-10	MI1210K600R-10	1210	60	1500	100	700	.25	.18	.16	.15
875-MI1812K121R-10	MI1812K121R-10	1812	120	1500	170	800	.36	.27	.23	.21

SMD FERRITE BEAD ASSEMBLIES

Specifications:
- 10 Amp continuous operating current capability
- Low DCR
- Rugged construction

Applications:
- EMI Filtering
- Board flexture applications





Land Pattern
(For Reflow Soldering)

RoHS Compliant

Steward Part No.	Dimensions: mm					
	A	B	C	L	G	H
28F0121-0SR-10	3.05	2.54	4.06	7.29	1.02	3.45
28F0121-1SR-10	3.05	2.54	8.51	10.74	4.14	4.60

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Steward Part No.	Case Size	Impedance @ 100MHz (Ω)	Rated Current (A)	Peak Impedance (Ω)	Peak Impedance Frequency (MHz)	Price Each			
							1	10	50	100
875-28F0121-0SR-10	28F0121-0SR-10	1612	48	10	55	1000	.21	.16	.13	.12
875-28F0121-1SR-10	28F0121-1SR-10	3312	96	10	115	300	.21	.16	.13	.12

SYFER SMD EMI Pi and X2Y Filters

RoHS Compliant This page of product is compliant.

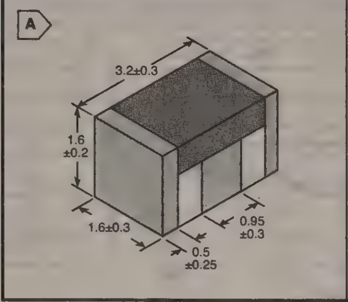
SMD EMI PI FILTERS

Features:
- Miniature SMD package
- X7R and C0G dielectrics
- EMI filtering perfomance up to 1 GHz and higher
- Ideal for telecom, power supplies, and industrial equipment
- Also suitable for mil/aerospace applications

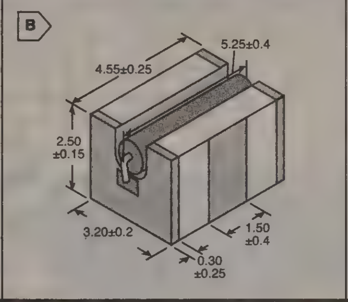
Specifications:
- Tolerance: 20%
- Operating Temperature: -55°C to +125°C
- Rated Current: 1 Amp DC
- Ferrite Inductance: 0.25uH(SBSP), 0.5uH (SBSG,SBSM)
- Max Solder Temperature: 220°C

DIMENSIONS: mm

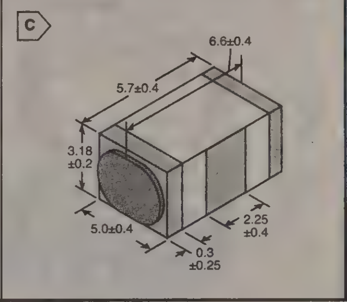
A



B



C



SBSP Series (1 Amp)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Capacitance Value	Volt (DC)	Dielectric	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
843-SBSPP1000101MC	SBSPP1000101MCT	A	100pF	100	C0G	2.20	2.03	1.52	1.02	1500	.71
843-SBSPP1000471MC	SBSPP1000471MCT	A	470pF	100	C0G	2.20	2.03	1.52	1.02	1500	.71
843-SBSPP1000102MX	SBSPP1000102MXT	A	1000pF	100	X7R	2.20	2.03	1.52	1.02	1500	.71
843-SBSPP1000472MX	SBSPP1000472MXT	A	.0047uF	100	X7R	2.20	2.03	1.52	1.02	1500	.71
843-SBSPP1000103MX	SBSPP1000103MXT	A	.01uF	100	X7R	2.20	2.03	1.52	1.02	1500	.71
843-SBSPP0500473MX	SBSPP0500473MXT	A	.047uF	50	X7R	2.20	2.03	1.52	1.02	1500	.71
843-SBSPP0250104MX	SBSPP0250104MXT	A	.1uF	25	X7R	2.20	2.03	1.52	1.02	1500	.71
843-SBSPP0250154MX	SBSPP0250154MXT	A	.15uF	25	X7R	2.20	2.03	1.52	1.02	1500	.71

SBSG Series (5 Amp)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Capacitance Value	Volt (DC)	Dielectric	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
843-SBSGP5000472MX	SBSGP5000472MXT	B	.0047uF	500	X7R	13.68	12.63	9.47	6.32	500	6.32
843-SBSGP5000682MX	SBSGP5000682MXT	B	.0068uF	500	X7R	13.68	12.63	9.47	6.32	500	6.32
843-SBSGP5000103MX	SBSGP5000103MXT	B	.01uF	500	X7R	13.68	12.63	9.47	6.32	500	6.32
843-SBSGP5000153MX	SBSGP5000153MXT	B	.015uF	500	X7R	13.68	12.63	9.47	6.32	500	6.32
843-SBSGP5000223MX	SBSGP5000223MXT	B	.022uF	500	X7R	13.68	12.63	9.47	6.32	500	6.32
843-SBSGP2000683MX	SBSGP2000683MXT	B	.068uF	200	X7R	13.83	12.24	10.64	7.45	500	7.45
843-SBSGP1000154MX	SBSGP1000154MXT	B	.15uF	100	X7R	14.12	12.47	10.87	7.61	500	7.61
843-SBSGP0500224MX	SBSGP0500224MXT	B	.22uF	50	X7R	14.12	12.47	10.87	7.61	500	7.61

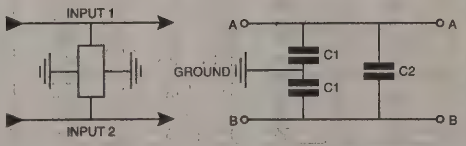
SBSM Series (10 Amp)

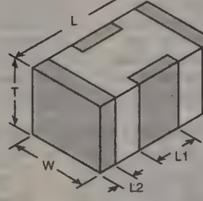
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Fig.	Capacitance Value	Volt (DC)	Dielectric	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
843-SBSMP5000102MX	SBSMP5000102MXT	C	1000pF	500	X7R	19.83	17.54	15.26	10.68	500	10.68
843-SBSMP5000472MX	SBSMP5000472MXT	C	.0047uF	500	X7R	19.83	17.54	15.26	10.68	500	10.68
843-SBSMP5000153MX	SBSMP5000153MXT	C	.015uF	500	X7R	19.98	17.67	15.37	10.76	500	10.76
843-SBSMP5000223MX	SBSMP5000223MXT	C	.022uF	500	X7R	20.20	17.87	15.54	10.87	500	10.87
843-SBSMP5000683MX	SBSMP5000683MXT	C	.068uF	500	X7R	20.34	17.99	15.65	10.95	500	10.95
843-SBSMP2000154MX	SBSMP2000154MXT	C	.15uF	200	X7R	21.00	18.58	16.15	11.31	500	11.31
843-SBSMP1000334MX	SBSMP1000334MXT	C	.33uF	100	X7R	21.81	19.29	16.78	11.74	500	11.74
843-SBSMP0500474MX	SBSMP0500474MXT	C	.47uF	50	X7R	22.17	19.61	17.06	11.94	500	11.94

X2Y FILTERS

The Syfer X2Y Integrated Passive Component is a 3 terminal EMI chip device. The revolutionary design provides simultaneous line-to-line and line-to-ground filtering, using a single ceramic chip. In this way, differential and common mode filtering are provided in one device. Available in sizes from 0603 to 2220, these filters can prove invaluable in meeting stringent EMC demands.





Specifications:
- Dielectric: X7R or C0G
- Temperature Rating: -55°C to 125°C
- Dielectric Withstand Volage: 2.5 x Rated Volts for 5 secs.; Charging current limited to 50mA Max.
- Insulation Resistance: 100Gohms or 1000s (whichever is the less)

Features:
- Replaces 2 or 3 capacitors with one device
- Matched capacitance line to ground on both lines
- Low inductance due to cancellation effect
- Differential and common mode attenuation
- Effects of temperature and voltage variation eliminated
- Effect of ageing equal on both lines
- High current capability

Applications:
- Balanced lines and twisted pairs
- EMI Suppression on DC motors
- Sensor/transducer applications
- Wireless communications
- Audio
- CANBUS

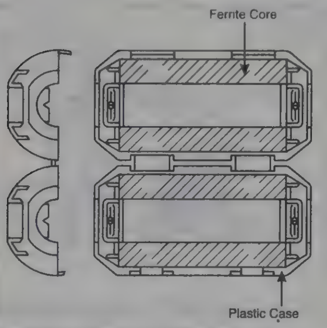
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Syfer Part No.	Cap Value	Volt (DC)	Dielectric	Termination	Dimensions: mm					Price Each				Reel Qty.	Price Per Piece
						L	W	T	L1	L2	1	50	100	500		
843-0603J0500330MC3	0603J0500330MCTE03	33pF	50	C0G	Matte Tin	1.6±0.2	0.8±0.2	0.5±0.15	0.4±0.15	0.25±0.15	1.63	1.44	1.19	.81	4000	.50
843-0603J0250101MC3	0603J0250101MCTE03	100pF	25	C0G	Matte Tin	1.6±0.2	0.8±0.2	0.5±0.15	0.4±0.15	0.25±0.15	1.63	1.44	1.19	.81	4000	.50
843-0603J0500152MX3	0603J0500152MXTE03	.0015uF	50	X7R	Matte Tin	1.6±0.2	0.8±0.2	0.5±0.15	0.4±0.15	0.25±0.15	1.63	1.44	1.19	.81	4000	.50
843-0603J0250103MX3	0603J0250103MXTE03	.01uF	25	C0G	Matte Tin	1.6±0.2	0.8±0.2	0.5±0.15	0.4±0.15	0.25±0.15	1.63	1.44	1.19	.81	4000	.50
843-0805J1000470MC3	0805J1000470MCTE03	47pF	100	C0G	Matte Tin	2.0±0.3	1.25±0.2	1.0±0.15	0.5±0.25	0.3±0.15	2.13	1.89	1.56	1.07	3000	.66
843-0805J1000101MC3	0805J1000101MCTE03	100pF	100	C0G	Matte Tin	2.0±0.3	1.25±0.2	1.0±0.15	0.5±0.25	0.3±0.15	2.13	1.89	1.56	1.07	3000	.66
843-0805J1000472MX3	0805J1000472MXTE03	.0047uF	100	X7R	Matte Tin	2.0±0.3	1.25±0.2	1.0±0.15	0.5±0.25	0.3±0.15	2.13	1.89	1.56	1.07	3000	.66
843-1206J1000103MX3	1206J1000103MXTE03	.01uF	100	X7R	FlexiCap	3.2±0.3	1.6±0.2	1.1±0.2	0.95±0.3	0.5±0.25	2.56	2.27	1.87	1.28	2500	.79
843-1206J1000473MX3	1206J1000473MXTE03	.047uF	100	X7R	FlexiCap	3.2±0.3	1.6±0.2	1.1±0.2	0.95±0.3	0.5±0.25	2.82	2.49	2.06	1.41	2500	.87
843-1410Y0500334MX3	1410Y0500334MXTE03	.33uF	50	X7R	FlexiCap	3.6±0.3	2.5±0.3	2 Max.	1.20±0.3	0.5±0.25	5.53	4.89	4.04	2.77	2000	1.70
843-1410Y0500404MX3	1410Y0500404MXTE03	.4uF	50	X7R	FlexiCap	3.6±0.3	2.5±0.3	2 Max.	1.20±0.3	0.5±0.25	5.76	5.08	4.19	2.87	2000	1.77
843-1812Y1000682MC3	1812Y1000682MCTE03	.0068uF	100	C0G	FlexiCap	4.5±0.35	3.2±0.3	2 Max.	1.4±0.35	0.75±0.25	9.94	8.79	7.26	4.97	1000	3.82
843-1812Y1000334MX3	1812Y1000334MXTE03	.33uF	100	X7R	FlexiCap	4.5±0.35	3.2±0.3	2 Max.	1.4±0.35	0.75±0.25	9.22	8.16	6.74	4.61	1000	3.55
843-1812Y0500444MX3	1812Y0500444MXTE03	.44uF	50	X7R	FlexiCap	4.5±0.35	3.2±0.3	2 Max.	1.4±0.35	0.75±0.25	9.48	8.38	6.92	4.74	1000	3.64
843-1812Y0500474MX3	1812Y0500474MXTE03	.47uF	50	X7R	FlexiCap	4.5±0.35	3.2±0.3	2 Max.	1.4±0.35	0.75±0.25	9.48	8.38	6.92	4.74	1000	3.64

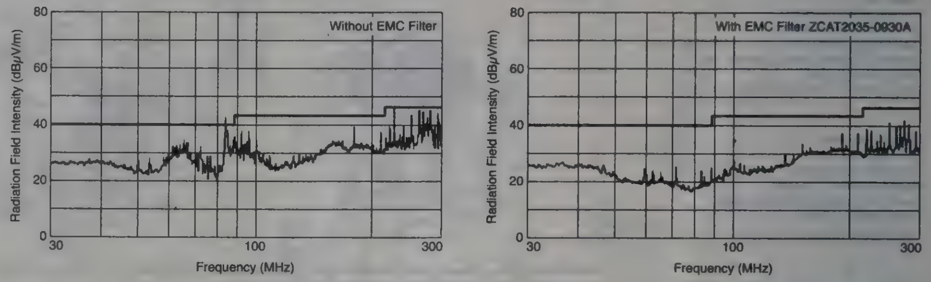
TDK ZCAT Snap-On EMI Clamp Filters

RoHS Compliant **This page of product is compliant.**

INTERNAL CONSTRUCTION



TYPICAL EMC SUPPRESSION EFFECTS - RADIATION LEVEL vs. FREQUENCY CHARACTERISTICS

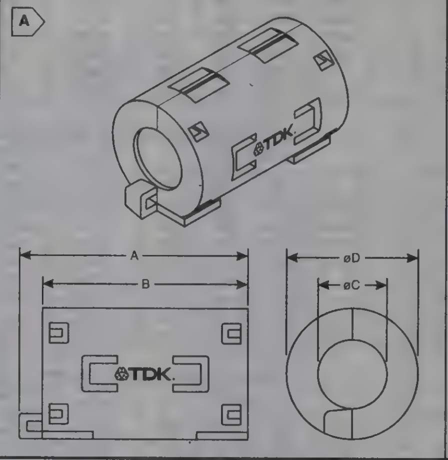


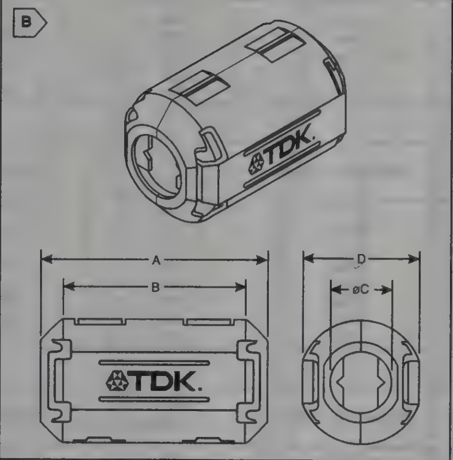
Features:

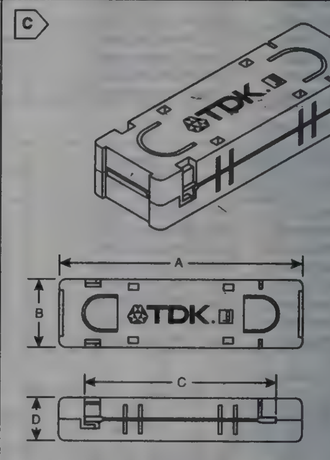
- Unique Plastic case ensures simple, convenient installation.
- Includes a self-locking mechanism to prevent slippage on cables.
- Ferrite core provides excellent absorption of high-frequency EMC.
- Highly effective as countermeasure against common mode EMC without adverse affect on signal quality.
- Large cores prevent saturation during large signal surges.

Applications:

- Personal computers, word processors, monitors, hard disk drives, digital telephone systems, audio devices, electronics musical instruments, video games, copiers, and fax machines.







Applicable Cable Thickness: 1.3mm Max.

ZCAT ROUND CASE - GRAY

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Dimensions: mm					Cable Form	Price Each				
			Total Length (A)	Case Length (B)	Inside Diameter (C)	Outside Diameter (D)	Cable Diameter		1	10	50	100	500
810-ZCAT1325-0530A	ZCAT1325-0530A	A	25	20	4	12.8	3 to 5	Round USB	.71	.59	.50	.45	.36
810-ZCAT1518-0730	ZCAT1518-0730	A	22	18	7	15	7 max.	Round	1.09	.90	.77	.69	.55
810-ZCAT1730-0730A	ZCAT1730-0730A	B	30	23	7	16.5	4 to 7	Round USB	1.22	1.01	.87	.78	.62
810-ZCAT2017-0930	ZCAT2017-0930	A	21	17	9	20	9 max.	Round	1.29	1.06	.92	.82	.66
810-ZCAT2035-0930A	ZCAT2035-0930A	B	35	28	9	19.5	6 to 9	Round	1.22	1.01	.87	.78	.62
810-ZCAT2132-1130	ZCAT2132-1130	A	36	32	11	20.5	11 max.	Round	1.16	.95	.82	.74	.59
810-ZCAT2235-1030A	ZCAT2235-1030A	B	35	28	10	21.5	8 to 10	Round	1.60	1.32	1.13	1.02	.82
810-ZCAT2436-1330A	ZCAT2436-1330A	B	36	29	13	23.5	10 to 13	Round	2.04	1.68	1.45	1.30	1.04
810-ZCAT3035-1330	ZCAT3035-1330	A	39	34	13	30	13 max.	Round	2.55	2.11	1.81	1.63	1.30

ZCAT ROUND CASE - BLACK

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Dimensions: mm					Cable Form	Price Each				
			Total Length (A)	Case Length (B)	Inside Diameter (C)	Outside Diameter (D)	Cable Diameter		1	10	50	100	500
810-ZCAT1325-0530ABK	ZCAT1325-0530A-BK	B	25	20	5	12.8	3 to 5	Round USB	.71	.59	.50	.45	.36
810-ZCAT1518-0730BK	ZCAT1518-0730-BK	A	22	18	7	15	7 max.	Round	1.09	.90	.77	.69	.55
810-ZCAT1730-0730ABK	ZCAT1730-0730A-BK	B	30	23	7	16.5	4 to 7	Round USB	1.22	1.01	.87	.78	.62
810-ZCAT2017-0930BK	ZCAT2017-0930-BK	A	21	17	9	20	9 max.	Round	1.29	1.06	.92	.82	.66
810-ZCAT2035-0930ABK	ZCAT2035-0930A-BK	B	35	28	9	19.5	6 to 9	Round	1.22	1.01	.87	.78	.62
810-ZCAT2132-1130BK	ZCAT2132-1130-BK	A	36	32	11	20.5	11 max.	Round	1.16	.95	.82	.74	.59
810-ZCAT2235-1030ABK	ZCAT2235-1030A-BK	B	35	28	10	21.5	8 to 10	Round	1.60	1.32	1.13	1.02	.82
810-ZCAT2436-1330ABK	ZCAT2436-1330A-BK	B	36	29	13	23.5	10 to 13	Round	2.04	1.68	1.45	1.30	1.04
810-ZCAT3035-1330BK	ZCAT3035-1330-BK	A	39	34	13	30	13 max.	Round	2.55	2.11	1.81	1.63	1.30

ZCAT FLAT CASE - BLACK

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Stock No.	Fig.	Dimensions: mm				Cable Capacity	Cable Form	Price Each				
			Length (A)	Width (B)	Cable Width (C)	Thickness (D)			1	10	50	100	500
810-ZCAT3618-2630DBK	ZCAT3618-2630D-BK	C	33.5	17.5	26	11.5	20 Wires	Flat	2.55	2.11	1.81	1.63	1.30
810-ZCAT4625-3430DBK	ZCAT4625-3430D-BK	C	45.5	24.5	34	12	26 Wires	Flat	4.07	3.37	2.91	2.61	2.09
810-ZCAT6819-5230DBK	ZCAT6819-5230D-BK	C	67.5	18.5	52	17	40 Wires	Flat	6.79	5.62	4.85	4.36	3.49

TDK RF/EMI Noise Suppression Sheets

RoHS Compliant **This page of product is compliant.**

FLEXIELD® RF/EMI NOISE SUPPRESSION SHEETS

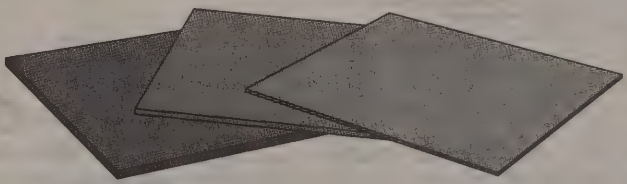
Flexield® is an absorptive electromagnetic shielding material consisting of magnetic material and resin. It suppresses noise radiated from electronic equipment over a wide range of frequencies, offers flexibility in fabrication and delivers particularly excellent performance in high frequency ranges. Flexield® is the ideal sheet-type noise reduction product for mobile devices including notebook PCs, digital cameras and cell phones.

Features:

- Flexible (Will not crack)
- Suited for thin and compact devices.
- Available in a wide range of dimensions and shapes.
- The products in the line-up support a wide range of frequency bands (30MHz to 30GHz).
- Excellent performance at high frequencies (300MHz).
- Environmentally friendly products (All products: Lead-free)
- Product Conforms to RoHS Directive

Applications:

- Electromagnetic noise reduction for electric equipment (especially for mobile equipment)
- Internal EMI, resonance reduction(mounting inside a shielded box)
- RF-block
- Amplifier
- Radiated noise reduction(Circuit, IC, flat cable)
- Surface current suppression
- Improves noise immunity
- SAR reduction for mobile phone
- Electrostatic discharge countermeasure
- Improved antenna reception sensitivity.



IRL02, Specifications:

- Type (Features/Application): High performance
- Material name: IRL02
- Recommended frequency range: 100MHz to 10GHz
- Operating temperature range (°C): –40 to +85
- Initial permeability μi (@10MHz) min.: 20
- Resistivity (Ω/square) min.: 1M
- Thermal conductivity(W/m • k): 1.4
- Standard sheet dimensions (mm): 200x200, 300x200
- Standard sheet thickness (mm): 1, 2, 0.05
- Standard sheet weight (g): 100, 200, 10
- Density (g/cm3): 3.2, 2.5
- Environment: Lead/Halogen-free Conformity to RoHS Directive

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Dimensions: mm	Thickness: mm	Frequency Range	Price Each			
					1	5	10	25
810-IRL02A	IRL02A200X200X1	200x200	1.0	100MHz-10GHz	78.75	75.38	67.50	65.81
810-IRL02AB	IRL02AB300X200X0.05	300x200	0.05	100MHz-10GHz	78.75	75.38	67.50	65.81

IRB02, Specifications:

- Type (Features/Application): For quasi-microwave band
- Material name: IRB02
- Recommended frequency range: 500MHz to 5GHz
- Operating temperature range (°C): –40 to +70
- Initial permeability μi (@10MHz) min.: 6
- Resistivity (Ω/square) min.: 1M
- Thermal conductivity(W/m • k): 1.2
- Standard sheet dimensions (mm): 300x300
- Standard sheet thickness (mm): 1, 2, 3, 6
- Standard sheet weight (g): 300, 600, 900, 1800
- Density (g/cm3): 3.3
- Environment: Lead/Halogen-free Conformity to RoHS Directive

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Dimensions: mm	Thickness: mm	Frequency Range	Price Each			
					1	5	10	25
810-IRB02A	IRB02A300X300X1	300x300	1.0	500MHz-5GHz	145.06	138.02	121.59	119.03

IRL03, Specifications:

- Type (Features/Application): Wide band
- Material name: IRL03
- Recommended frequency range: 100MHz to 10GHz
- Operating temperature range (°C): –40 to +85
- Initial permeability μi (@10MHz) min.: 20
- Resistivity (Ω/square) min.: 1M
- Thermal conductivity(W/m • k): 1.4
- Standard sheet dimensions (mm): 300x200
- Standard sheet thickness (mm): 0.25, 0.5
- Standard sheet weight (g): 50, 100
- Density (g/cm3): 3.4
- Environment: Lead free Conformity to RoHS Directive

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Dimensions: mm	Thickness: mm	Frequency Range	Price Each			
					1	5	10	25
810-IRL03AB-25	IRL03AB300X200X0.25	300x200	0.25	100MHz-10GHz	78.75	75.38	67.50	65.81
810-IRL03AB-50	IRL03AB300X200X0.5	300x200	0.5	100MHz-10GHz	78.75	75.38	67.50	65.81

IRL04, Specifications:

- Type (Features/Application): High permeability
- Material name: IRL04
- Recommended frequency range: 50MHz to 10GHz
- Operating temperature range (°C): –40 to +85
- Initial permeability μi (@10MHz) min.: 30
- Resistivity (Ω/square) min.: 10k
- Thermal conductivity(W/m • k): 1.4
- Standard sheet dimensions (mm): 300x200
- Standard sheet thickness (mm): 0.25, 0.5
- Standard sheet weight (g): 50, 100
- Density (g/cm3): 3.3
- Environment: Lead/Halogen-free Conformity to RoHS Directive

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Dimensions: mm	Thickness: mm	Frequency Range	Price Each			
					1	5	10	25
810-IRL04AB-25	IRL04AB300X200X0.25	300x200	0.25	50MHz-10GHz	78.75	75.38	67.50	65.81
810-IRL04AB-50	IRL04AB300X200X0.5	300x200	0.5	50MHz-10GHz	78.75	75.38	67.50	65.81

IRJ04, Specifications:

- Type(Features/Application): High-resisting
- Material name : IRJ01
- Recommended frequency range: 100MHz to 10GHz
- Operating temperature range (°C): –40 to +125
- Initial permeability μi (@10MHz) min.: 18
- Resistivity (Ω/square) min.: 1M
- Thermal conductivity(W/m • k): 1.0
- Standard sheet dimensions (mm): 250x250
- Standard sheet thickness (mm): 0.5
- Standard sheet weight (g): 85
- Density (g/cm3): 2.5
- Flame retardant: UL94V-1
- Environment: Lead/Halogen-free Conformity to RoHS Directive

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Dimensions: mm	Thickness: mm	Frequency Range	Price Each			
					1	5	10	25
810-IRJ04AB	IRJ04AB300X200X0.25	300x200	0.25	100MHz-10GHz	78.75	75.38	67.50	65.81

IRL05, Specifications:

- Type (Features/Application): Super high permeability
- Material name: IRL05
- Recommended frequency range: 30MHz to 10GHz
- Operating temperature range (°C): –40 to +85
- Initial permeability μi (@10MHz) min.: 60
- Resistivity (Ω/square) min.: 1G (The magnetic layer/10)
- Thermal conductivity(W/m • k): 1.6
- Standard sheet dimensions (mm): 300x200
- Standard sheet thickness (mm): 0.1
- Standard sheet weight (g): 25
- Density (g/cm3): 3.7
- Environment: Halogen free Conformity to RoHS Directive

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Dimensions: mm	Thickness: mm	Frequency Range	Price Each			
					1	5	10	25
810-IRL05AB	IRL05AB300X200X0.1	300x200	0.1	30MHz-10GHz	78.75	75.38	67.50	65.81

It may not be allowed to export these absorbers due to Export Control regulations.

VISHAY / DALE SMT Multilayer Ferrite Beads

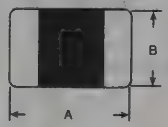
RoHS Compliant This page of product is compliant.

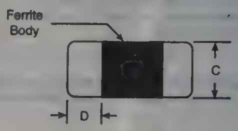
ILHB SERIES - HIGH CURRENT MULTILAYER FERRITE BEADS

DIMENSIONS: In. (mm)

Features:
- High reliability
- Surface mountable
- Current rating up to 6 amps.
- Magnetically self shielded.
- Nickel barrier plating virtually eliminates silver migration
- 100% Lead (Pb)-free and RoHS compliant
- Tape and Reel

Environmental Specifications:
- Operating Temperature: -55°C to +125°C
- Thermal Shock: 100 cycles, -40°C to + 125°C
- Biased Humidity: 85% RH at 85°C, 1000 hours at full rated current.





RoHS Compliant

Series	DIMENSIONS: in. (mm)			
	A	B	C	D
ILHB-0603	0.06 ± 0.006 (1.6 ± 0.15)	0.03 ± 0.006 (0.8 ± 0.15)	0.03 ± 0.006 (0.8 ± 0.15)	0.012 ± 0.008 (0.30 ± 0.20)
ILHB-0805	0.079 ± 0.008 (2.0 ± 0.20)	0.049 ± 0.008 (1.25 ± 0.20)	0.035 ± 0.008 (0.9 ± 0.20)	0.02 ± 0.0012 (0.50 ± 0.30)
ILHB-1206	0.126 ± 0.008 (3.2 ± 0.20)	0.063 ± 0.008 (1.6 ± 0.20)	0.043 ± 0.008 (1.1 ± 0.20)	0.02 ± 0.0012 (0.50 ± 0.30)
ILHB-1806	0.177 ± 0.010 (4.5 ± 0.25)	0.063 ± 0.008 (1.6 ± 0.20)	0.063 ± 0.008 (1.6 ± 0.20)	0.024 ± 0.0016 (0.60 ± 0.40)
ILHB-1812	0.177 ± 0.010 (4.5 ± 0.25)	0.126 ± 0.010 (3.2 ± 0.25)	0.06 ± 0.01 (1.5 ± 0.25)	0.024 ± 0.0016 (0.60 ± 0.40)

For quantities of 4000 and up, call for quote.

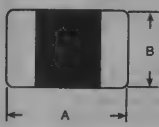
MOUSER STOCK NO.	Vishay Part No.	Impedance (±25%)	Impedance Test Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Price Each			
						1	100	500	1000
70-ILHB0603ER121V	ILHB0603ER121V	120	100	0.1	2000	.05	.04	.03	.02
70-ILHB0805ER900V	ILHB0805ER900V	90	100	0.025	5000	.06	.05	.04	.03
70-ILHB0805ER251V	ILHB0805ER251V	250	100	0.04	3000	.06	.05	.04	.03
70-ILHB1206ER601V	ILHB1206ER601V	600	100	0.1	2500	.10	.08	.06	.05
70-ILHB1806ER600V	ILHB1806ER600V	60	100	0.02	6000	.20	.15	.13	.10
70-ILHB1812ER121V	ILHB1812ER121V	120	100	0.02	6000	.18	.14	.11	.09

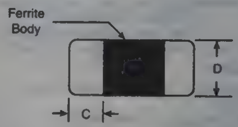
ILBB-0402/0603/0805 MULTILAYER FERRITE BEADS

DIMENSIONS: In. (mm)

Features:
- High reliability
- Surface mountable
- Magnetically self shielded
- Nickel barrier plating

Environmental Specifications:
- Operating Temperature: -55°C to +125°C
- Thermal Shock: 100 cycles, -40°C to + 125°C
- Biased Humidity: 85% RH at 85°C





For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Z @ 100MHz (±25%)	DCR max. (Ω)	Rated DC Current (mA)	Price Each				
					1	100	500	1000	4000
0402 Size									
70-ILBB0402ER600V	ILBB0402ER600V	60	0.30	300	.16	.13	.125	.12	.11
70-ILBB0402ER121V	ILBB0402ER121V	120	0.45	300	.16	.13	.125	.12	.11
70-ILBB0402ER601V	ILBB0402ER601V	600	1.00	200	.16	.13	.125	.12	.11
0603 Size									
70-ILBB0603ER600V	ILBB0603ER600V	60	0.1	400	.15	.12	.07	.066	.056
70-ILBB0603ER680V	ILBB0603ER680V	68	0.1	200	.15	.12	.07	.066	.056
70-ILBB0603ER121V	ILBB0603ER121V	120	0.2	150	.15	.12	.07	.066	.056
70-ILBB0603ER301V	ILBB0603ER301V	300	0.35	150	.15	.12	.07	.066	.056
70-ILBB0603ER601V	ILBB0603ER601V	600	0.45	100	.15	.12	.07	.066	.056
70-ILBB0603ER751V	ILBB0603ER751V	750	0.6	100	.17	.10	.05	.046	.036
70-ILBB0603ER102V	ILBB0603ER102V	1K	0.6	100	.17	.10	.05	.046	.036
0805 Size									
70-ILBB0805ER110V	ILBB0805ER110V	11	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805ER170V	ILBB0805ER170V	17	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805ER320V	ILBB0805ER320V	32	0.06	600	.17	.10	.05	.046	.036
70-ILBB0805ER800V	ILBB0805ER800V	80	0.15	300	.17	.10	.05	.046	.036
70-ILBB0805ER121V	ILBB0805ER121V	120	0.15	300	.17	.10	.05	.046	.036
70-ILBB0805ER151V	ILBB0805ER151V	150	0.15	300	.17	.10	.05	.046	.036
70-ILBB0805ER301V	ILBB0805ER301V	300	0.2	200	.17	.10	.05	.046	.036
70-ILBB0805ER601V	ILBB0805ER601V	600	0.3	200	.17	.10	.05	.046	.036
70-ILBB0805ER102V	ILBB0805ER102V	1K	0.35	100	.20	.13	.08	.076	.066
70-ILBB0805ER202V	ILBB0805ER202V	2K	0.5	80	.20	.13	.08	.076	.066

RoHS Compliant

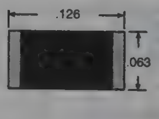
Series	DIMENSIONS: in. (mm)			
	A	B	C	D
ILBB-0402	0.04±0.004 (1.0±.1)	0.02±0.004 (0.5±0.1)	0.02±0.004 (0.5±0.1)	0.01±0.004 (0.25±0.1)
ILBB-0603	0.063 ± .006 (1.6 ± 0.15)	0.032 ± .006 (0.8 ± 0.15)	0.014 ± .006 (0.36 ± 0.15	0.032 ± .006 (0.8 ± 0.15)
ILBB-0805	0.079 ± .008 (2.0 ± 0.2)	0.049 ± .008 (1.25 ± 0.2)	0.020 ± .0012 (0.5 ± 0.3	0.035 ± 008 (0.9 ± 0.2)

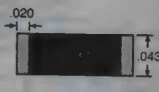
ILB-1206 MULTILAYER FERRITE BEADS

DIMENSIONS: In.

Features:
- High reliability
- Surface mountable
- Temp. range: -55°C to +125°C

Environmental Specifications:
- Thermal shock: 50 cycles, -55°C to +125°C
- Humidity: 90%RH @ + 40°C with 200mA DC current, 500 hours
- Load life: + 90°C @ full rated current for 2000 hours





For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Imp. (Ω)	Tol.	Frequency (MHz)	DCR Max (Ω)	Rated DC Current (mA)	Price Each			Reel Price Each
							1	50	100	3000
70-ILB1206ER190V	ILB1206ER190V	19	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206ER260V	ILB1206ER260V	26	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206ER310V	ILB1206ER310V	31	±25%	100	.05	500	.24	.19	.17	.09
70-ILB1206ER500V	ILB1206ER500V	50	±25%	100	.1	350	.24	.19	.17	.09
70-ILB1206ER700V	ILB1206ER700V	70	±25%	100	.15	250	.24	.19	.17	.09
70-ILB1206ER121V	ILB1206ER121V	120	±25%	100	.2	250	.24	.19	.17	.09
70-ILB1206ER151V	ILB1206ER151V	150	±25%	100	.2	250	.24	.19	.17	.09
70-ILB1206ER301V	ILB1206ER301V	300	±25%	100	.3	250	.28	.23	.21	.11
70-ILB1206ER501V	ILB1206ER501V	500	±25%	100	.5	200	.28	.23	.21	.11
70-ILB1206ER601V	ILB1206ER601V	600	±25%	100	.5	200	.28	.23	.21	.11

RoHS Compliant

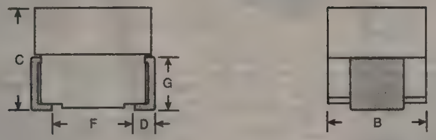
API DELEVAN SMD Inductors

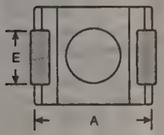
RoHS Compliant **This page of product is compliant.**

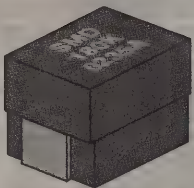
S1008R SERIES

Specifications:
- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise

RoHS Compliant







Physical Parameters		
	Inches	Millimeters
A	0.095 to 0.115	2.41 to 2.92
B	0.085 to 0.105	2.16 to 2.66
C	0.075 to 0.095	1.91 to 2.41
D	0.010 to 0.030	0.26 to 0.76
E	0.040 to 0.060	1.02 to 1.52
F	0.060 (Ref Only)	1.52 (Ref Only)
G	0.045 (Ref Only)	1.14 (Ref Only)
Dimensions "A" and "C" are over terminals.		

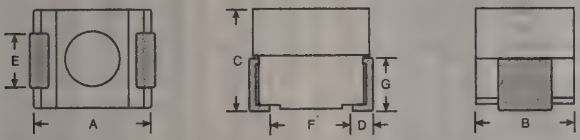
For quantities of 1000 and up, call for quote.

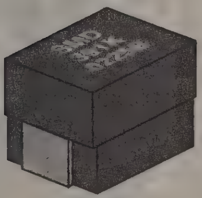
MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	100	500
807-S1008R-101K	S1008R-101K	0.10	40	25	1120	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-221K	S1008R-221K	0.22	40	25	930	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-911K	S1008R-911K	0.91	40	25	685	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-152K	S1008R-152K	1.5	30	7.9	545	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-182K	S1008R-182K	1.8	30	7.9	435	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-472K	S1008R-472K	4.7	30	7.9	305	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-822K	S1008R-822K	8.2	30	7.9	240	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-103K	S1008R-103K	10	30	7.9	230	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-223K	S1008R-223K	22	30	2.5	170	**2.00**	**1.60**	**1.45**	**1.32**
807-S1008R-473K	S1008R-473K	47	30	2.5	110	**2.00**	**1.60**	**1.45**	**1.32**

S1210R SERIES

Specifications:
- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise

RoHS Compliant





Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref Only)	1.78 (Ref Only)
G	0.054 (Ref Only)	1.37 (Ref Only)
Dimensions "A" and "C" are over terminals.		

Iron Core

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	100	500
807-S1210R-101K	S1210R-101K	0.10	40	25	1131	**1.08**	**.92**	**.61**	**.50**
807-S1210R-151K	S1210R-151K	0.15	40	25	979	**1.08**	**.92**	**.61**	**.50**
807-S1210R-221K	S1210R-221K	0.22	40	25	876	**1.08**	**.92**	**.61**	**.50**
807-S1210R-271K	S1210R-271K	0.27	40	25	800	**1.08**	**.92**	**.61**	**.50**
807-S1210R-821K	S1210R-821K	0.82	40	25	565	**1.08**	**.92**	**.61**	**.50**

Ferrite Core

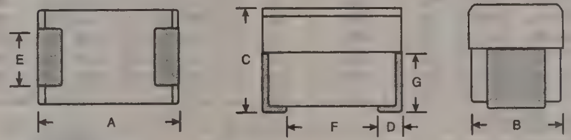
For quantities of 1000 and up, call for quote.

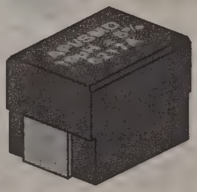
MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	100	500
807-S1210R-102K	S1210R-102K	1.0	40	7.9	635	**.99**	**.84**	**.56**	**.46**
807-S1210R-152K	S1210R-152K	1.5	40	7.9	532	**.99**	**.84**	**.56**	**.46**
807-S1210R-182K	S1210R-182K	1.8	40	7.9	498	**.99**	**.84**	**.56**	**.46**
807-S1210R-222K	S1210R-222K	2.2	40	7.9	470	**.99**	**.84**	**.56**	**.46**
807-S1210R-272K	S1210R-272K	2.7	40	7.9	464	**.99**	**.84**	**.56**	**.46**
807-S1210R-332K	S1210R-332K	3.3	40	7.9	449	**.99**	**.84**	**.56**	**.46**
807-S1210R-392K	S1210R-392K	3.9	40	7.9	441	**.99**	**.84**	**.56**	**.46**
807-S1210R-472K	S1210R-472K	4.7	40	7.9	402	**.99**	**.84**	**.56**	**.46**
807-S1210R-562K	S1210R-562K	5.6	40	7.9	352	**.99**	**.84**	**.56**	**.46**
807-S1210R-682K	S1210R-682K	6.8	40	7.9	328	**.99**	**.84**	**.56**	**.46**
807-S1210R-822K	S1210R-822K	8.2	40	7.9	308	**.99**	**.84**	**.56**	**.46**
807-S1210R-103K	S1210R-103K	10	40	2.5	291	**.99**	**.84**	**.56**	**.46**
807-S1210R-273K	S1210R-273K	27	40	2.5	201	**.99**	**.84**	**.56**	**.46**
807-S1210R-393K	S1210R-393K	39	40	2.5	179	**.99**	**.84**	**.56**	**.46**
807-S1210R-473K	S1210R-473K	47	40	2.5	171	**.99**	**.84**	**.56**	**.46**
807-S1210R-563K	S1210R-563K	56	40	2.5	160	**.99**	**.84**	**.56**	**.46**
807-S1210R-683K	S1210R-683K	68	40	2.5	152	**.99**	**.84**	**.56**	**.46**
807-S1210R-104K	S1210R-104K	100	40	2.5	127	**.99**	**.84**	**.56**	**.46**

S1812R SERIES

Specifications:
- Operating Temperature: -55°C to +125°C
- Current Rating @ 90°C Ambient with 35°C Rise

RoHS Compliant





Physical Parameters		
	Inches	Millimeters
A	0.166 to 0.190	4.2 to 4.8
B	0.118 to 0.134	3.0 to 3.4
C	0.118 to 0.134	3.0 to 3.4
D	0.038 Min.	0.97 Min.
E	0.041 to 0.061	1.0 to 1.5
F	0.118 (Ref Only)	3.0 (Ref Only)
G	0.066 (Ref Only)	1.7 (Ref Only)
Dimensions "A" and "C" are over terminals.		

Iron Core

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	100	500
807-S1812R-101K	S1812R-101K	0.10	50	25	1490	**1.24**	**1.08**	**.72**	**.57**
807-S1812R-181K	S1812R-181K	0.18	50	25	1290	**1.24**	**1.08**	**.72**	**.57**
807-S1812R-331K	S1812R-331K	0.33	40	25	952	**1.24**	**1.08**	**.72**	**.57**
807-S1812R-471K	S1812R-471K	0.47	40	25	802	**1.24**	**1.08**	**.72**	**.57**
807-S1812R-821K	S1812R-821K	0.82	40	25	614	**1.24**	**1.08**	**.72**	**.57**

Ferrite Core

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	100	500
807-S1812R-102K	S1812R-102K	1.0	40	7.9	755	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-122K	S1812R-122K	1.2	40	7.9	725	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-152K	S1812R-152K	1.5	40	7.9	706	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-222K	S1812R-222K	2.2	40	7.9	658	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-332K	S1812R-332K	3.3	40	7.9	534	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-472K	S1812R-472K	4.7	40	7.9	471	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-562K	S1812R-562K	5.6	40	7.9	447	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-103K	S1812R-103K	10	50	2.5	333	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-333K	S1812R-333K	33	50	2.5	258	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-393K	S1812R-393K	39	50	2.5	250	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-473K	S1812R-473K	47	50	2.5	242	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-104K	S1812R-104K	100	40	0.79	169	**1.28**	**1.11**	**.74**	**.58**
807-S1812R-274K	S1812R-274K	270	40	0.79	135	**1.52**	**1.32**	**.88**	**.70**
807-S1812R-474K	S1812R-474K	470	40	0.79	91	**1.52**	**1.32**	**.88**	**.70**
807-S1812R-105K	S1812R-105K	1000	40	0.79	60	**1.52**	**1.32**	**.88**	**.70**

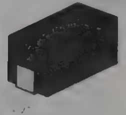
API DELEVAN Power Inductors

RoHS Compliant **This page of product is compliant.**

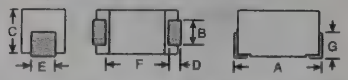
4922R SERIES

- Operating Temperature: -55°C to +125°C
- Current Rating at 85°C Ambient: 40°C Rise

RoHS Compliant



Physical Parameters		
	Inches	Millimeters
A	0.490 to 0.520	12.44 to 13.21
B	0.230 to 0.250	5.84 to 6.35
C	0.210 to 0 230	5.33 to 5.84
D	0.050 Min.	1.27 Min.
E	0.055 to 0.075	1.40 to 1.91
F	0.330 (Ref Only)	8.38 (Ref Only)
G	0.120 (Ref Only)	3.04 (Ref Only)



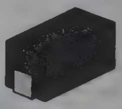
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	DCR Max. (Ω)	Idc. Max. (mA)	Price Each			
					1	10	50	100
807-4922R-271L	4922R-271L	0.27	0.0085	6.75	2.22	1.90	1.62	1.27
807-4922R-471L	4922R-471L	0.47	0.010	6.00	2.22	1.90	1.62	1.27
807-4922R-01L	4922R-01L	1.0	0.013	5.50	2.22	1.90	1.62	1.27
807-4922R-03L	4922R-03L	1.5	0.020	4.45	2.22	1.90	1.62	1.27
807-4922R-05L	4922R-05L	2.2	0.029	3.70	2.22	1.90	1.62	1.27
807-4922R-07L	4922R-07L	3.3	0.038	3.23	2.22	1.90	1.62	1.27
807-4922R-09L	4922R-09L	4.7	0.047	2.90	2.22	1.90	1.62	1.27
807-4922R-11L	4922R-11L	6.8	0.058	2.61	2.37	2.02	1.71	1.35
807-4922R-13L	4922R-13L	10	0.071	2.36	2.37	2.02	1.71	1.35
807-4922R-16L	4922R-16L	18	0.119	1.82	2.37	2.02	1.71	1.35
807-4922R-17L	4922R-17L	22	0.152	1.61	2.55	2.18	1.84	1.45
807-4922R-19L	4922R-19L	33	0.222	1.33	2.55	2.18	1.84	1.45
807-4922R-20L	4922R-20L	39	0.315	1.12	2.55	2.18	1.84	1.45
807-4922R-21L	4922R-21L	47	0.362	1.04	2.55	2.18	1.84	1.45
807-4922R-22L	4922R-22L	56	0.397	1.00	2.55	2.18	1.84	1.45
807-4922R-23L	4922R-23L	68	0.418	0.97	2.55	2.18	1.84	1.45
807-4922R-25L	4922R-25L	100	0.672	0.76	2.70	2.32	1.93	1.55
807-4922R-29L	4922R-29L	220	1.58	0.50	2.70	2.32	1.93	1.55
807-4922R-31L	4922R-31L	330	2.51	0.39	2.70	2.32	1.93	1.55
807-4922R-37L	4922R-37L	1000	6.90	0.24	2.78	2.38	2.05	1.59
807-4922R-38L	4922R-38L	1200	10	0.20	2.78	2.38	2.05	1.59
807-4922R-41L	4922R-41L	2200	20	0.141	2.78	2.38	2.05	1.59
807-4922R-42L	4922R-42L	2700	23	0.131	2.78	2.38	2.05	1.59
807-4922R-43L	4922R-43L	3300	25	0.126	2.78	2.38	2.05	1.59
807-4922R-48L	4922R-48L	8200	66	0.077	2.78	2.38	2.05	1.59

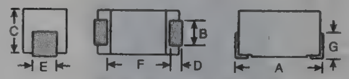
P1330R SERIES

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Tolerance: ±10%

RoHS Compliant



Physical Parameters		
	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min.
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref Only)	4.83 (Ref Only)
G	0.070 (Ref Only)	1.78 (Ref Only)



For quantities of 500 and up, call for quote.

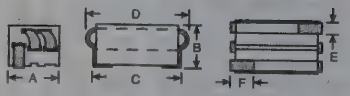
MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	DCR Max. (Ω)	Idc. Max. (mA)	Price Each			
					1	10	50	100
807-P1330R-152K	P1330R-152K	1.5	0.043	2030	1.83	1.65	1.37	1.07
807-P1330R-182K	P1330R-182K	1.8	0.048	1950	1.83	1.65	1.37	1.07
807-P1330R-272K	P1330R-272K	2.7	0.080	1550	1.83	1.65	1.37	1.07
807-P1330R-332K	P1330R-332K	3.3	0.108	1460	1.83	1.65	1.37	1.07
807-P1330R-822K	P1330R-822K	8.2	0.180	1020	1.83	1.65	1.37	1.07
807-P1330R-153K	P1330R-153K	15	0.288	858	2.01	1.81	1.51	1.17
807-P1330R-333K	P1330R-333K	33	0.538	568	2.01	1.81	1.51	1.17
807-P1330R-473K	P1330R-473K	47	0.792	467	2.01	1.81	1.51	1.17
807-P1330R-683K	P1330R-683K	68	1.02	384	2.01	1.81	1.51	1.17
807-P1330R-823K	P1330R-823K	82	1.38	362	2.01	1.81	1.51	1.17
807-P1330R-154K	P1330R-154K	150	2.04	272	2.16	1.94	1.62	1.26
807-P1330R-184K	P1330R-184K	180	2.40	261	2.16	1.94	1.62	1.26
807-P1330R-224K	P1330R-224K	220	2.65	223	2.16	1.94	1.62	1.26

SMB2.5R SERIES

- Operating Temperature: -40°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise
- Tolerance: ±10%

RoHS Compliant

Physical Parameters		
	Inches	Millimeters
A	0.285 ± 0.010	7.2 ± 0.25
B	0.185 ± 0.015	4.7 ± 0.38
C	0.355 ± 0.020	9.02 ± 0.51
D	0.460 Max.	11.68 Max.
E	0.050 ± 0.005	1.27 ± 0.13
F	0.075 Min.	1.9 Min.

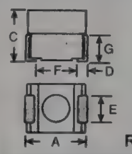


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	50	100
807-SMB2.5R-1	SMB2.5R-1	2.5	0.005	385	9.5	.72	.60	.54	.48
807-SMB2.5R-2	SMB2.5R-2	2.5	0.005	490	9.5	.72	.60	.54	.48

1210R SERIES

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise



RoHS Compliant

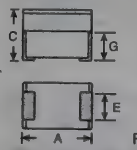
Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref Only)	1.78 (Ref Only)
G	0.054 (Ref Only)	1.37 (Ref Only)
Dimensions "A" and "C" are over terminals.		

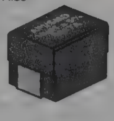
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (µH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	50	100
Phenolic Core: ±10% Tolerance									
807-1210R-150K	1210R-150K	0.015	30	50	871	.84	.72	.60	.48
807-1210R-220K	1210R-220K	0.022	30	50	779	.84	.72	.60	.48
807-1210R-270K	1210R-270K	0.027	30	50	743	.84	.72	.60	.48
807-1210R-330K	1210R-330K	0.033	30	50	711	.84	.72	.60	.48
807-1210R-680K	1210R-680K	0.068	30	50	580	.84	.72	.60	.48
Iron Core: ±10% Tolerance									
807-1210R-101K	1210R-101K	0.10	30	25	1018	.95	.81	.68	.54
807-1210R-221K	1210R-221K	0.22	30	25	805	.95	.81	.68	.54
807-1210R-331K	1210R-331K	0.33	30	25	720	.95	.81	.68	.54
807-1210R-471K	1210R-471K	0.47	30	25	644	.95	.81	.68	.54
807-1210R-561K	1210R-561K	0.56	30	25	614	.95	.81	.68	.54
807-1210R-681K	1210R-681K	0.68	30	25	588	.95	.81	.68	.54
807-1210R-821K	1210R-821K	0.82	30	25	556	.95	.81	.68	.54
Ferrite Core: ±5% Tolerance									
807-1210R-102J	1210R-102J	1.0	30	7.9	515	.98	.84	.70	.56
807-1210R-122J	1210R-122J	1.2	30	7.9	497	.98	.84	.70	.56
807-1210R-152J	1210R-152J	1.5	30	7.9	467	.98	.84	.70	.56
807-1210R-222J	1210R-222J	2.2	30	7.9	431	.98	.84	.70	.56
807-1210R-332J	1210R-332J	3.3	30	7.9	393	.98	.84	.70	.56
807-1210R-392J	1210R-392J	3.9	30	7.9	378	.98	.84	.70	.56
807-1210R-472J	1210R-472J	4.7	30	7.9	352	.98	.84	.70	.56
807-1210R-562J	1210R-562J	5.6	30	7.9	341	.98	.84	.70	.56
807-1210R-682J	1210R-682J	6.8	30	7.9	321	.98	.84	.70	.56
807-1210R-822J	1210R-822J	8.2	30	7.9	305	.98	.84	.70	.56
807-1210R-103J	1210R-103J	10	30	7.9	297	1.02	.87	.73	.58
807-1210R-123J	1210R-123J	12	30	2.5	272	1.02	.87	.73	.58
807-1210R-153J	1210R-153J	15	30	2.5	257	1.02	.87	.73	.58
807-1210R-183J	1210R-183J	18	30	2.5	237	1.02	.87	.73	.58
807-1210R-223J	1210R-223J	22	30	2.5	224	1.02	.87	.73	.58
807-1210R-333J	1210R-333J	33	30	2.5	182	1.02	.87	.73	.58
807-1210R-393J	1210R-393J	39	30	2.5	170	1.02	.87	.73	.58
807-1210R-473J	1210R-473J	47	30	2.5	163	1.02	.87	.73	.58
807-1210R-563J	1210R-563J	56	30	2.5	152	1.02	.87	.73	.58
807-1210R-823J	1210R-823J	82	30	2.5	136	1.02	.87	.73	.58
807-1210R-104J	1210R-104J	100	30	2.5	120	1.02	.87	.73	.58

1812R SERIES

- Operating Temperature: -55°C to +125°C
- Current Rating at 90°C Ambient: 35°C Rise





RoHS Compliant

Physical Parameters		
	Inches	Millimeters
A	0.118 to 0.138	3.00 to 3.51
B	0.085 to 0.105	2.16 to 2.67
C	0.081 to 0.101	2.06 to 2.57
D	0.016 Min.	0.41 Min.
E	0.041 to 0.061	1.04 to 1.55
F	0.070 (Ref Only)	1.78 (Ref Only)
G	0.054 (Ref Only)	1.37 (Ref Only)
Dimensions "A" and "C" are over terminals.		

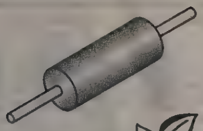
For quantities of 500 and up, call for quote.

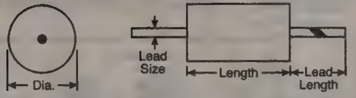
Iron Core: ±10% Tolerance									
807-1812R-151K	1812R-151K	0.15	30	25	818	.70	.59	.56	.40
807-1812R-221K	1812R-221K	0.22	30	25	708	.70	.59	.56	.40
807-1812R-471K	1812R-471K	0.47	30	25	501	.70	.59	.56	.40
807-1812R-681K	1812R-681K	0.68	30	25	379	.70	.59	.56	.40
807-1812R-821K	1812R-821K	0.82	30	25	354	.70	.59	.56	.40
Ferrite Core: ±5% Tolerance									
807-1812R-102J	1812R-102J	1.0	50	7.9	634	.70	.59	.56	.40
807-1812R-122J	1812R-122J	1.2	50	7.9	604	.70	.59	.56	.40
807-1812R-152J	1812R-152J	1.5	50	7.9	578	.70	.59	.56	.40
807-1812R-182J	1812R-182J	1.8	50	7.9	556	.70	.59	.56	.40
807-1812R-222J	1812R-222J	2.2	50	7.9	535	.70	.59	.56	.40
807-1812R-332J	1812R-332J	3.3	50	7.9	501	.70	.59	.56	.40
807-1812R-392J	1812R-392J	3.9	50	7.9	472	.70	.59	.56	.40
807-1812R-472J	1812R-472J	4.7	50	7.9	448	.70	.59	.56	.40
807-1812R-562J	1812R-562J	5.6	50	7.9.	427	.70	.59	.56	.40
807-1812R-682J	1812R-682J	6.8	50	7.9	409	.70	.59	.56	.40
807-1812R-822J	1812R-822J	8.2	50	7.9	375	.70	.59	.56	.40
807-1812R-103J	1812R-103J	10	50	7.9	354	.70	.59	.56	.40
807-1812R-183J	1812R-183J	18	50	2.5	268	.70	.59	.56	.40
807-1812R-223J	1812R-223J	22	50	2.5	250	.70	.59	.56	.40
807-1812R-333J	1812R-333J	33	50	2.5	224	.70	.59	.56	.40
807-1812R-473J	1812R-473J	47	50	2.5	200	.70	.59	.56	.40
807-1812R-683J	1812R-683J	68	50	2.5	183	.70	.59	.56	.40
807-1812R-823J	1812R-823J	82	50	2.5	169	.70	.59	.56	.40
807-1812R-104J	1812R-104J	100	50	2.5	158	.70	.59	.56	.40
807-1812R-224J	1812R-224J	220	40	0.79	142	1.16	.97	.92	.66
807-1812R-334J	1812R-334J	330	40	0.79	120	1.16	.97	.92	.66
807-1812R-394J	1812R-394J	390	40	0.79	100	1.16	.97	.92	.66
807-1812R-474J	1812R-474J	470	40	0.79	88	1.16	.97	.92	.66
807-1812R-564J	1812R-564J	560	30	0.79	82	1.16	.97	.92	.66
807-1812R-824J	1812R-824J	820	30	0.79	67	1.16	.97	.92	.66
807-1812R-105J	1812R-105J	1000	30	0.79	55	1.16	.97	.92	.66

API DELEVAN Power Inductors

RoHS Compliant **This page of product is compliant.**

1025R SERIES





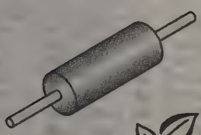
RoHS Compliant

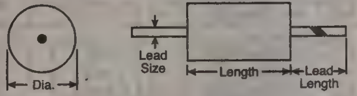
Physical Parameters	Inches	Millimeters
Length	0.250 ± 0.010	6.35 ± 0.25
Diameter	0.095 ± 0.010	2.41 ± 0.25
Lead Size: AWG #24 TCW	0.020 ± 0.0015	0.508 ± 0.038
Lead Length	1.5 ± 0.12	38.1 ± 3.05

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	100	500
Phenolic Core									
807-1025R-94K	1025R-94K	0.10	40	25	1380	.62	.53	.35	.28
807-1025R-96K	1025R-96K	0.12	40	25	1300	.62	.53	.35	.28
807-1025R-08K	1025R-08K	0.33	30	25	830	.62	.53	.35	.28
807-1025R-10K	1025R-10K	0.39	30	25	710	.62	.53	.35	.28
807-1025R-12K	1025R-12K	0.47	30	25	660	.62	.53	.35	.28
807-1025R-16K	1025R-16K	0.68	28	25	500	.62	.53	.35	.28
807-1025R-20K	1025R-20K	1.0	25	25	390	.62	.53	.35	.28
Iron Core									
807-1025R-28K	1025R-28K	2.2	30	7.9	415	.76	.65	.42	.34
807-1025R-30K	1025R-30K	2.7	37	7.9	355	.76	.65	.42	.34
807-1025R-32K	1025R-32K	3.3	45	7.9	285	.76	.65	.42	.34
807-1025R-36K	1025R-36K	4.7	45	7.9	239	.76	.65	.42	.34
807-1025R-40K	1025R-40K	6.8	50	7.9	185	.76	.65	.42	.34
807-1025R-42K	1025R-42K	8.2	55	7.9	160	.76	.65	.42	.34
807-1025R-44K	1025R-44K	10	55	7.9	144	.76	.65	.42	.34
807-1025R-46K	1025R-46K	12	45	2.5	160	.76	.65	.42	.34
807-1025R-48K	1025R-48K	15	45	2.5	157	.76	.65	.42	.34
807-1025R-52K	1025R-52K	22	50	2.5	144	.76	.65	.42	.34
Ferrite Core									
807-1025R-56K	1025R-56K	33	45	2.5	130	.83	.70	.47	.38
807-1025R-58K	1025R-58K	39	45	2.5	125	.83	.70	.47	.38
807-1025R-60K	1025R-60K	47	45	2.5	110	.83	.70	.47	.38
807-1025R-64K	1025R-64K	68	50	2.5	92	.83	.70	.47	.38
807-1025R-68K	1025R-68K	100	50	2.5	84	.83	.70	.47	.38
807-1025R-72K	1025R-72K	150	30	0.79	61	.83	.70	.47	.38
807-1025R-84K	1025R-84K	470	30	0.79	36	1.04	.89	.59	.47
807-1025R-86K	1025R-86K	560	30	0.79	35	1.04	.89	.59	.47
807-1025R-92K	1025R-92K	1000	30	0.79	28	1.04	.89	.59	.47

1641R SERIES





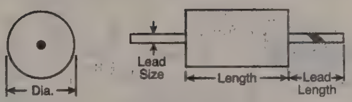
RoHS Compliant

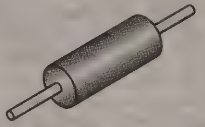
Physical Parameters	Inches	Millimeters
Length	0.410 ± 0.020	10.41 ± 0.51
Diameter	0.162 ± 0.010	4.11 ± 0.25
Lead Size: AWG #24 TCW	0.025 ± 0.002	0.635 ± 0.05
Lead Length	1.44 ± 0.12	36.58 ± 3.05

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	Q Min.	Test Freq. (MHz)	Idc. Max. (mA)	Price Each			
						1	10	100	500
Phenolic Core / Iron Sleeve									
807-1641R-121K	1641R-121K	0.12	51	25	1570	1.15	.98	.65	.52
807-1641R-151K	1641R-151K	0.15	51	25	1500	1.15	.98	.65	.52
807-1641R-181K	1641R-181K	0.18	50	25	1330	1.15	.98	.65	.52
807-1641R-221K	1641R-221K	0.22	49	25	1120	1.15	.98	.65	.52
807-1641R-271K	1641R-271K	0.27	47	25	870	1.15	.98	.65	.52
807-1641R-331K	1641R-331K	0.33	46	25	800	1.15	.98	.65	.52
807-1641R-391K	1641R-391K	0.39	44	25	680	1.15	.98	.65	.52
807-1641R-471K	1641R-471K	0.47	44	25	580	1.15	.98	.65	.52
807-1641R-561K	1641R-561K	0.56	43	25	505	1.15	.98	.65	.52
807-1641R-681K	1641R-681K	0.68	42	25	430	1.15	.98	.65	.52
807-1641R-821K	1641R-821K	0.82	40	25	375	1.15	.98	.65	.52
Iron Core / Iron Sleeve									
807-1641R-102K	1641R-102K	1.0	44	25	1090	1.32	1.13	.75	.59
807-1641R-152K	1641R-152K	1.5	44	7.9	835	1.32	1.13	.75	.59
807-1641R-182K	1641R-182K	1.8	44	7.9	775	1.32	1.13	.75	.59
807-1641R-222K	1641R-222K	2.2	44	7.9	665	1.32	1.13	.75	.59
807-1641R-392K	1641R-392K	3.9	44	7.9	455	1.32	1.13	.75	.59
807-1641R-472K	1641R-472K	4.7	44	7.9	390	1.32	1.13	.75	.59
807-1641R-682K	1641R-682K	6.8	50	7.9	285	1.32	1.13	.75	.59
807-1641R-822K	1641R-822K	8.2	50	7.9	250	1.32	1.13	.75	.59
807-1641R-103K	1641R-103K	10	50	7.9	228	1.32	1.13	.75	.59
Ferrite Core / Ferrite Sleeve									
807-1641R-153K	1641R-153K	15	45	2.5	325	1.32	1.13	.75	.59
807-1641R-223K	1641R-223K	22	45	2.5	295	1.32	1.13	.75	.59
807-1641R-333K	1641R-333K	33	45	2.5	248	1.32	1.13	.75	.59
807-1641R-473K	1641R-473K	47	50	2.5	200	1.32	1.13	.75	.59
807-1641R-563K	1641R-563K	56	50	2.5	194	1.32	1.13	.75	.59
807-1641R-104K	1641R-104K	100	50	2.5	164	1.32	1.13	.75	.59
807-1641R-124K	1641R-124K	120	55	0.79	153	1.32	1.13	.75	.59
807-1641R-224K	1641R-224K	220	55	0.79	130	1.32	1.13	.75	.59
807-1641R-394K	1641R-394K	390	60	0.79	107	1.32	1.13	.75	.59
807-1641R-474K	1641R-474K	470	60	0.79	94	1.39	1.19	.75	.63
807-1641R-105K	1641R-105K	1000	60	0.79	70	1.39	1.19	.75	.63

2474R SERIES





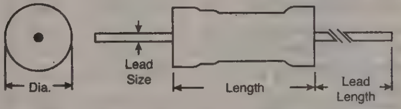
RoHS Compliant

Physical Parameters	Inches	Millimeters
Length	0.740 ± 0.010	18.80 ± 0.25
Diameter	0.240 ± 0.010	6.10 ± 0.25
Lead Size: AWG #24 TCW	0.032 ± 0.002	0.813 ± 0.051
Lead Length	1.44 ± 0.12	36.58 ± 3.05

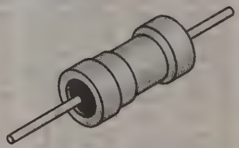
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max.	Idc. Max. (mA)	Price Each			
					1	10	100	500
807-2474R-01L	2474R-01L	1.0	0.009	6.27	2.28	1.98	1.30	1.05
807-2474R-05L	2474R-05L	2.2	0.013	5.22	2.28	1.98	1.30	1.05
807-2474R-09L	2474R-09L	4.7	0.022	4.01	2.28	1.98	1.30	1.05
807-2474R-12L	2474R-12L	8.2	0.028	3.55	2.28	1.98	1.30	1.05
807-2474R-13L	2474R-13L	10	0.033	3.27	2.70	2.34	1.50	1.25
807-2474R-15L	2474R-15L	15	0.04	2.97	2.70	2.34	1.50	1.25
807-2474R-16L	2474R-16L	18	0.044	2.84	2.70	2.34	1.50	1.25
807-2474R-17L	2474R-17L	22	0.05	2.66	2.70	2.34	1.50	1.25
807-2474R-18L	2474R-18L	27	0.07	2.25	2.70	2.34	1.50	1.25
807-2474R-19L	2474R-19L	33	0.075	2.17	2.70	2.34	1.50	1.25
807-2474R-20L	2474R-20L	39	0.084	2.05	2.70	2.34	1.50	1.25
807-2474R-21L	2474R-21L	47	0.104	1.84	2.70	2.34	1.50	1.25
807-2474R-22L	2474R-22L	56	0.13	1.65	2.70	2.34	1.50	1.25
807-2474R-24L	2474R-24L	82	0.152	1.53	2.70	2.34	1.50	1.25
807-2474R-25L	2474R-25L	100	0.208	1.3	2.87	2.49	1.60	1.33
807-2474R-26L	2474R-26L	120	0.283	1.12	2.87	2.49	1.60	1.33
807-2474R-29L	2474R-29L	220	0.505	0.84	2.87	2.49	1.60	1.33
807-2474R-33L	2474R-33L	470	1.03	0.59	2.87	2.49	1.60	1.33
807-2474R-37L	2474R-37L	1000	2.3	0.39	3.06	2.65	1.70	1.41

4590R SERIES



RoHS Compliant



Physical Parameters	Inches	Millimeters
Length	0.900 Max.	22.86 Max.
Diameter	0.455 Max.	11.55 Max.
Lead Size: AWG #20 TCW	0.032 ± 0.002	0.813 ± 0.05
Lead Length	1.10 Min.	27.94 Min.

For quantities of 1000 and up, call for quote.

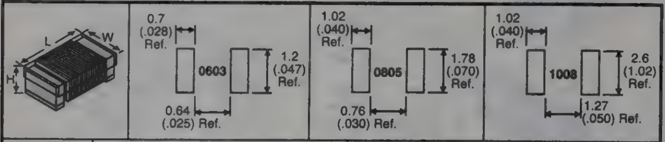
MOUSER STOCK NO.	API Delevan Part No.	Ind. (μH)	DCR Max.	Idc. Max. (mA)	Price Each			
					1	10	100	500
807-4590R-392K	4590R-392K	3.9	0.007	9.75	1.80	1.55	1.04	.83
807-4590R-562K	4590R-562K	5.6	0.011	7.77	1.80	1.55	1.04	.83
807-4590R-103K	4590R-103K	10	0.016	6.44	1.80	1.55	1.04	.83
807-4590R-123K	4590R-123K	12	0.018	6.07	1.80	1.55	1.04	.83
807-4590R-153K	4590R-153K	15	0.02	5.76	2.07	1.78	1.17	.95
807-4590R-273K	4590R-273K	27	0.025	5.15	2.07	1.78	1.17	.95
807-4590R-333K	4590R-333K	33	0.028	4.87	2.07	1.78	1.17	.95
807-4590R-393K	4590R-393K	39	0.028	4.87	2.07	1.78	1.17	.95
807-4590R-473K	4590R-473K	47	0.034	4.45	2.07	1.78	1.17	.95
807-4590R-683K	4590R-683K	68	0.059	3.35	2.07	1.78	1.17	.95
807-4590R-823K	4590R-823K	82	0.066	3.17	2.07	1.78	1.17	.95
807-4590R-104K	4590R-104K	100	0.084	2.81	2.07	1.78	1.17	.95
807-4590R-154K	4590R-154K	150	0.129	2.27	2.07	1.78	1.17	.95
807-4590R-224K	4590R-224K	220	0.162	2.02	2.07	1.78	1.17	.95
807-4590R-334K	4590R-334K	330	0.257	1.61	2.07	1.78	1.17	.95
807-4590R-394K	4590R-394K	390	0.288	1.52	2.07	1.78	1.17	.95
807-4590R-474K	4590R-474K	470	0.393	1.3	2.07	1.78	1.17	.95
807-4590R-684K	4590R-684K	680	0.57	1.08	2.07	1.78	1.17	.95
807-4590R-824K	4590R-824K	820	0.643	1.01	2.07	1.78	1.17	.95
807-4590R-105K	4590R-105K	1000	0.844	0.89	1.97	1.69	1.12	.93
807-4590R-155K	4590R-155K	1500	1.18	0.75	1.97	1.69	1.12	.93
807-4590R-185K	4590R-185K	1800	1.5	0.66	1.97	1.69	1.12	.93
807-4590R-225K	4590R-225K	2200	1.76	0.61	1.97	1.69	1.12	.93
807-4590R-475K	4590R-475K	4700	3.79	0.41	1.81	1.56	1.05	.83
807-4590R-565K	4590R-565K	5600	4.24	0.39	1.81	1.56	1.05	.83
807-4590R-825K	4590R-825K	8200	6.44	0.32	1.81	1.56	1.05	.83
807-4590R-106K	4590R-106K	10000	7.3	0.3	1.81	1.56	1.05	.83
807-4590R-107K	4590R-107K	100000	76	0.09	1.98	1.70	1.14	.91

BOURNS High Q and Multi Layer Chip Inductors

RoHS Compliant This page of product is compliant.

Reliable Electronic Solutions

HIGH Q CHIP INDUCTORS



Case Size	Dimensions: mm (in.)		
	L	W	H
0603	1.65 ±0.15 (.065 ±.008)	1.05 ±0.20 (.041 ±.008)	1.0 ±0.20 (.040 ±.008)
0805	2.1 ±0.20 (.083 ±.008)	1.5 ±0.20 (.059 ±.008)	1.3 ±0.20 (.051 ±.008)
1008	2.75 ±0.20 (.079 ±.008)	2.6 ±0.20 (.102 ±.008)	2.0 ±0.20 (.079 ±.008)

Features:
- High Q up to Typical
- High Operating Temperature: 125°C
- Applications: mobile phones, cellular phones, CTV, VCR, HIC, FDD

Materials:
- Core Material: Alumina (1CC201211)
- Wire: Enameled copper (1W1E180)
- Terminal Electrode: Mo/Mn+Ni+Au

Specifications:
- Temp. rise: 40°C max. @ rated current
- Operating/Storage Temp.: -40°C to +125°C
- Reflow soldering: 230°C, 50 sec. max.
- Resistance to solder heat: 260°C, 5 sec.

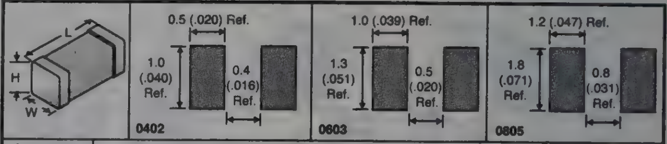
RoHS Compliant

0603, 0805, and 1008 Sizes

For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.		Inductance		Q (min.)	Test Freq. MHz	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	nH	Tol. ±				1	100	500	3000
0603 Size										
652	CW160808-1N8M	1.8	20%	16	250	6000	.21	.19	.18	.10
652	CW160808-3N9K	3.9	10%	16	250	6000	.21	.19	.18	.10
652	CW160808-4N7K	4.7	10%	16	250	5800	.21	.19	.18	.10
652	CW160808-6N8J	6.8	5%	25	250	5800	.21	.19	.18	.10
652	CW160808-10NJ	10	5%	30	250	4800	.21	.19	.18	.10
652	CW160808-15NJ	15	5%	30	250	4000	.21	.19	.18	.10
652	CW160808-22NJ	22	5%	35	250	3000	.21	.19	.18	.10
652	CW160808-33NJ	33	5%	35	250	2300	.21	.19	.18	.10
652	CW160808-47NJ	47	5%	35	200	2100	.21	.19	.18	.10
652	CW160808-68NJ	68	5%	35	200	1700	.21	.19	.18	.10
652	CW160808-R10J	100	5%	34	150	1400	.21	.19	.18	.10
652	CW160808-R15J	150	5%	28	150	1300	.21	.19	.18	.10
652	CW160808-R22J	220	5%	25	100	990	.21	.19	.18	.10
652	CW160808-R27J	270	5%	25	100	990	.21	.19	.18	.10
0805 Size										2000
652	CW201212-2N2J	2.2	5%	50	250	6000	.22	.21	.19	.11
652	CW201212-4N7J	4.7	5%	60	250	5800	.22	.21	.19	.11
652	CW201212-10NJ	10	5%	60	250	4800	.22	.21	.19	.11
652	CW201212-15NJ	15	5%	60	250	3600	.22	.21	.19	.11
652	CW201212-22NJ	22	5%	60	250	3300	.22	.21	.19	.11
652	CW201212-33NJ	33	5%	60	250	2400	.22	.21	.19	.11
652	CW201212-47NJ	47	5%	60	200	1700	.22	.21	.19	.11
652	CW201212-68NJ	68	5%	60	200	1450	.22	.21	.19	.11
652	CW201212-R10J	100	5%	60	150	1200	.22	.21	.19	.11
652	CW201212-R15J	150	5%	50	100	950	.22	.21	.19	.11
652	CW201212-R22J	220	5%	50	100	860	.22	.21	.19	.11
652	CW201212-R33J	330	5%	45	100	800	.22	.21	.19	.11
652	CW201212-R47J	470	5%	33	250	375	.22	.21	.19	.11
1008 Size										
652	CW252016-10NK	10	10%	50	100	4100	.21	.19	.18	.11
652	CW252016-15NK	15	10%	40	100	2500	.24	.22	.21	.15
652	CW252016-22NK	22	10%	55	100	2400	.24	.22	.21	.15
652	CW252016-33NK	33	10%	60	100	1600	.24	.22	.21	.15
652	CW252016-47NK	47	10%	60	100	1500	.24	.22	.21	.15
652	CW252016-68NJ	68	5%	60	100	1300	.24	.22	.21	.15
652	CW252016-R10J	100	5%	60	100	1000	.24	.22	.21	.15
652	CW252016-R15J	150	5%	45	25	850	.24	.22	.21	.15
652	CW252016-R22J	220	5%	45	25	700	.24	.22	.21	.15
652	CW252016-R33J	330	5%	45	25	570	.24	.22	.21	.15
652	CW252016-R47J	470	5%	45	25	450	.24	.22	.21	.15
652	CW252016-R68J	680	5%	45	25	375	.24	.22	.21	.15
652	CW252016-1R0J	1000	5%	25	25	290	.24	.22	.21	.15
652	CW252016-1R5J	1500	5%	25	7.9	200	.24	.22	.21	.15
652	CW252016-2R2J	2200	5%	25	7.9	160	.24	.22	.21	.15

MULTI-LAYER CHIP INDUCTORS



Case Size	Dimensions: mm (in.)		
	L	W	H
CI100505	1.0 ±0.05 (.039 ±.002)	0.5 ±0.05 (.020 ±.002)	0.5 ±0.05 (.020 ±.002)
CI160808	2.0 ±0.20 (.079 ±.008)	1.0 ±0.20 (.039 ±.008)	∗ A ±0.20 (A ±.008)
CE201210	2.0 ±0.20 (.079 ±.008)	1.25 ±0.20 (.049 ±.008)	1.0 ±0.20 (.049 ±.008)

Specifications:
- Operating/Storage Temperature: -55°C to +125°C
- Reflow Soldering: 230°C, 50 sec. max.
- Resistance to Solder Heat: 260°C, 5 sec.

Materials:
- Base Material: Ceramic
- Terminal Electrode: Ag, Ni, Sn

∗ Model Type: CE201210-	A Dim. mm (in.)
1N5D thru 82NJ	0.85 (0.033)
R10J thru R39J	1.00 (0.039)
R47J	1.25 (0.050)

RoHS Compliant

CI100505 Series

For quantities of 20,000 and up, call for quote.

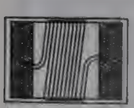
MOUSER STOCK NO.		Inductance		Q (min.)	Test Freq. MHz	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	nH	Tol. ±				1	100	500	10,000
652	CI100505-1N0D	1.0	0.3nH	8	100	6000	.05	.045	.04	.029
652	CI100505-1N5D	1.5	0.3nH	8	100	6000	.05	.045	.04	.029
652	CI100505-2N2D	2.2	0.3nH	8	100	6000	.05	.045	.04	.029
652	CI100505-3N3D	3.3	0.3nH	8	100	6000	.05	.045	.04	.029
652	CI100505-4N7D	4.7	0.3nH	8	100	4000	.05	.045	.04	.029
652	CI100505-6N8J	6.8	5%	8	100	3900	.05	.045	.04	.029
652	CI100505-8N2J	8.2	5%	8	100	3600	.05	.045	.04	.029
652	CI100505-10NJ	10	5%	8	100	3200	.05	.045	.04	.029
652	CI100505-15NJ	15	5%	8	100	2300	.05	.045	.04	.029
652	CI100505-22NJ	22	5%	8	100	1900	.05	.045	.04	.029
652	CI100505-33NJ	33	5%	8	100	1300	.05	.045	.04	.029
652	CI100505-47NJ	47	5%	8	100	1000	.05	.045	.04	.029
652	CI100505-68NJ	68	5%	8	100	700	.05	.045	.04	.029
652	CI100505-82NJ	82	5%	8	100	600	.05	.045	.04	.029
652	CI100505-R10J	100	5%	8	100	550	.05	.045	.04	.029

CI160808 Series and CE201210 Series

For quantities of 8000 and up, call for quote.

MOUSER STOCK NO.		Inductance		Q (min.)	Test Freq. MHz	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	nH	Tol. ±				1	100	500	4000
CI160808 Series										
652	CI160808-1N0D	1.0	0.3nH	8	100	4000	.05	.045	.04	.032
652	CI160808-1N5D	1.5	0.3nH	8	100	4000	.05	.045	.04	.032
652	CI160808-2N2D	2.2	0.3nH	8	100	3600	.05	.045	.04	.032
652	CI160808-3N3D	3.3	0.3nH	10	100	3200	.05	.045	.04	.032
652	CI160808-4N7D	4.7	0.3nH	10	100	2800	.05	.045	.04	.032
652	CI160808-6N8J	6.8	5%	10	100	2600	.05	.045	.04	.032
652	CI160808-8N2J	8.2	5%	10	100	2200	.05	.045	.04	.032
652	CI160808-10NJ	10	5%	10	100	1800	.05	.045	.04	.032
652	CI160808-15NJ	15	5%	10	100	1350	.05	.045	.04	.032
652	CI160808-22NJ	22	5%	10	100	1100	.05	.045	.04	.032
652	CI160808-33NJ	33	5%	10	100	1000	.05	.045	.04	.032
652	CI160808-47NJ	47	5%	10	100	800	.05	.045	.04	.032
652	CI160808-68NJ	68	5%	10	100	700	.05	.045	.04	.032
652	CI160808-82NJ	82	5%	10	100	600	.05	.045	.04	.032
652	CI160808-R10J	100	5%	10	50	500	.05	.045	.04	.032
652	CI160808-R15J	150	5%	8	50	500	.05	.045	.04	.032
652	CI160808-R22J	220	5%	8	50	350	.05	.045	.04	.032
CE201210 Series										
652	CE201210-1N5D	1.5	0.3nH	21	100	4000	.10	.09	.08	.07
652	CE201210-2N2D	2.2	0.3nH	18	100	4000	.10	.09	.08	.07
652	CE201210-3N3J	3.3	5%	16	100	4000	.10	.09	.08	.07
652	CE201210-4N7J	4.7	5%	18	100	3500	.10	.09	.08	.07
652	CE201210-6N8J	6.8	5%	20	100	2800	.10	.09	.08	.07
652	CE201210-8N2J	8.2	5%	21	100	2400	.10	.09	.08	.07
652	CE201210-10NJ	10	5%	20	100	2100	.10	.09	.08	.07
652	CE201210-15NJ	15	5%	22	100	1600	.10	.09	.08	.07
652	CE201210-22NJ	22	5%	23	100	1400	.10	.09	.08	.07
652	CE201210-33NJ	33	5%	24	100	1200	.10	.09	.08	.07
652	CE201210-47NJ	47	5%	23	100	900	.10	.09	.08	.07
652	CE201210-68NJ	68	5%	25	100	700	.10	.09	.08	.07
652	CE201210-82NJ	82	5%	24	100	600	.10	.09	.08	.07
652	CE201210-R10J	100	5%	23	100	600	.10	.09	.08	.07
652	CE201210-R15J	150	5%	22	50	500	.10	.09	.08	.07
652	CE201210-R22J	220	5%	20	50	350	.10	.09	.08	.07
652	CE201210-R33J	330	5%	22	50	250	.10	.09	.08	.07
652	CE201210-R47J	470	5%	17	50	200	.10	.09	.08	.07

HIGH Q CHIP INDUCTOR KITS



RoHS Compliant

For quantities of 4 and up, call for quote.

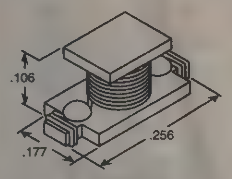
MOUSER STOCK NO.	Case Size	Description	Price Each	
			1	2
652-CW160808-LAB1	0603	30 each 18 values	67.50	65.25
652-CW201212-LAB1	0805	25 each 18 values	67.50	65.25
652-CW252016-LAB1	1008	20 each 15 values	67.50	65.25

BOURNS SMD Power Inductors

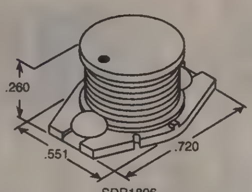
BOURNS
Reliable Electronic Solutions

RoHS Compliant **This page of product is compliant.**

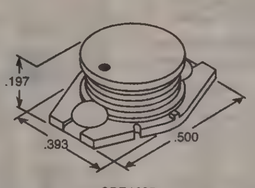
DIMENSIONS: in.



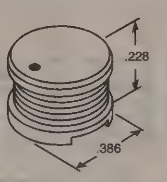
SDR0703



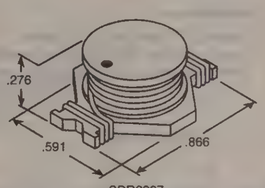
SDR1806



SDR1005



SDR1006



SDR2207

SDR SERIES NON-SHIELDED POWER INDUCTORS

Features:

- Applications: Input/output of DC/DC converters, Portable communication equipment, camcorders, LCD TVs, car radios
- Lead free versions are RoHS compliant
- Low hieght of only 2.7mm

Specifications:

- Reflow soldering: 230°C, 10 sec. max.
- Storage temperature: -40°C to +125°C

Cross Reference Chart

Bourns P/N	Coilcraft
SDR0703-XXXX	D01608C-XXX
SDR1005-XXXX	D03316P-XXX
SDR1006-XXXX	D03316P-XXX
SDR1806-XXXX	D05022P-XXX
SDR2207-XXXX	D05022P-XXXHC

RoHS Compliant

SDR0703 Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	100	500	1000
Lead Free										
652	SDR0703-1R0ML	1.0	20%	25	7.96	160	.60	.53	.45	.41
652	SDR0703-1R8ML	1.8	20%	25	7.96	105	.60	.53	.45	.41
652	SDR0703-2R2ML	2.2	20%	24	7.96	95	.60	.53	.45	.41
652	SDR0703-3R3ML	3.3	20%	23	7.96	65	.60	.53	.45	.41
652	SDR0703-4R7ML	4.7	20%	20	7.96	60	.60	.53	.45	.41
652	SDR0703-6R8ML	6.8	20%	20	7.96	45	.60	.53	.45	.41
652	SDR0703-100KL	10	10%	23	2.52	36	.60	.53	.45	.41
652	SDR0703-150KL	15	10%	23	2.52	30	.60	.53	.45	.41
652	SDR0703-220KL	22	10%	20	2.52	26	.60	.53	.45	.41
652	SDR0703-330KL	33	10%	17	2.52	20	.60	.53	.45	.41
652	SDR0703-470KL	47	10%	20	2.52	15	.60	.53	.45	.41
652	SDR0703-680KL	68	10%	18	2.52	13	.60	.53	.45	.41
652	SDR0703-101KL	100	10%	33	0.796	11	.60	.53	.45	.41
652	SDR0703-151KL	150	10%	30	0.796	9.0	.60	.53	.45	.41
652	SDR0703-221KL	220	10%	31	0.796	7.0	.60	.53	.45	.41
652	SDR0703-331KL	330	10%	33	0.796	6.0	.60	.53	.45	.41
652	SDR0703-471KL	470	10%	33	0.796	5.0	.60	.53	.45	.41
652	SDR0703-681KL	680	10%	32	0.796	4.0	.60	.53	.45	.41
652	SDR0703-102KL	1000	10%	30	0.252	3.2	.60	.53	.45	.41

RoHS Compliant

SDR1005 Series

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	100	500	1000
Lead Free										
652	SDR1005-1R0ML	1	20%	20	10	137	.63	.53	.47	.34
652	SDR1005-1R5ML	1.5	20%	50	3	95	.63	.53	.47	.34
652	SDR1005-3R3ML	3.3	20%	50	4	54	.63	.53	.47	.34
652	SDR1005-4R7ML	4.7	20%	50	4	42	.63	.53	.47	.34
652	SDR1005-6R8ML	6.8	20%	50	3	31	.63	.53	.47	.34
652	SDR1005-100ML	10	20%	50	3	26	.63	.53	.47	.34
652	SDR1005-150ML	15	20%	50	3	22	.63	.53	.47	.34
652	SDR1005-220ML	22	20%	40	3	18	.63	.53	.47	.34
652	SDR1005-330KL	33	10%	25	1	14	.63	.53	.47	.34
652	SDR1005-470KL	47	10%	25	1	12	.63	.53	.47	.34
652	SDR1005-680KL	68	10%	25	1	11	.63	.53	.47	.34
652	SDR1005-101KL	100	10%	30	.05	8	.63	.53	.47	.34
652	SDR1005-151KL	150	10%	30	.05	6	.63	.53	.47	.34
652	SDR1005-221KL	220	10%	33	.05	5	.63	.53	.47	.34
652	SDR1005-331KL	330	10%	33	.05	4	.63	.53	.47	.34
652	SDR1005-471KL	470	10%	57	.05	4	.63	.53	.47	.34
652	SDR1005-681KL	680	10%	57	.05	3	.63	.53	.47	.34
652	SDR1005-102KL	1000	10%	81	.07	2	.63	.53	.47	.34
652	SDR1005-152JL	1500	10%	91	.07	2	.63	.53	.47	.34
652	SDR1005-222JL	2200	10%	91	.07	2	.63	.53	.47	.34
652	SDR1005-332JL	3300	10%	93	.07	1	.63	.53	.47	.34
652	SDR1005-472JL	4700	10%	93	.07	1	.63	.53	.47	.34
652	SDR1005-682JL	6800	10%	93	.07	1	.63	.53	.47	.34
652	SDR1005-103KL	10000	10%	101	.07	1	.63	.53	.47	.34

RoHS Compliant

SDR1006 Series

For quantities of 1600 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	50	100	800
Lead Free										
652	SDR1006-1R5ML	1.5	20%	35	7.96	105	.57	.48	.43	.38
652	SDR1006-2R2ML	2.2	20%	35	7.96	68	.57	.48	.43	.38
652	SDR1006-3R3ML	3.3	20%	34	7.96	55	.57	.48	.43	.38
652	SDR1006-4R7ML	4.7	20%	33	7.96	40	.57	.48	.43	.38
652	SDR1006-6R8ML	6.8	20%	33	7.96	32	.57	.48	.43	.38
652	SDR1006-100ML	10	20%	30	2.52	21	.57	.48	.43	.38
652	SDR1006-150ML	15	20%	30	2.52	16	.57	.48	.43	.38
652	SDR1006-220ML	22	20%	25	2.52	13	.57	.48	.43	.38
652	SDR1006-330KL	33	10%	25	2.52	10	.57	.48	.43	.38
652	SDR1006-470KL	47	10%	20	2.52	8	.57	.48	.43	.38
652	SDR1006-680KL	68	10%	15	2.52	7	.57	.48	.43	.38
652	SDR1006-101KL	100	10%	15	.796	5.2	.57	.48	.43	.38
652	SDR1006-151KL	150	10%	15	.796	4.5	.57	.48	.43	.38
652	SDR1006-221KL	220	10%	12	.796	3.8	.57	.48	.43	.38
652	SDR1006-331KL	330	10%	12	.796	3.2	.57	.48	.43	.38
652	SDR1006-471KL	470	10%	12	.796	2.5	.57	.48	.43	.38
652	SDR1006-681KL	680	10%	12	.796	2.1	.57	.48	.43	.38
652	SDR1006-102KL	1000	10%	30	.252	1.9	.57	.48	.43	.38
652	SDR1006-152KL	1500	10%	31	.252	1.7	.57	.48	.43	.38
652	SDR1006-222KL	2200	10%	31	.252	1.5	.57	.48	.43	.38
652	SDR1006-332KL	3300	10%	32	.252	1.3	.57	.48	.43	.38
652	SDR1006-472KL	4700	10%	32	.252	0.8	.57	.48	.43	.38

SDR1806 Series

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	50	100	500
Lead Free										
652	SDR1806-1R0ML	1	20%	21	7.96	100	.85	.78	.70	.62
652	SDR1806-2R2ML	2.2	20%	22	7.96	55	.85	.78	.70	.62
652	SDR1806-3R3ML	3.3	20%	22	7.96	40	.85	.78	.70	.62
652	SDR1806-5R6ML	5.6	20%	23	7.96	30	.85	.78	.70	.62
652	SDR1806-100ML	10	20%	22	2.52	25	.85	.78	.70	.62
652	SDR1806-150ML	15	20%	20	2.52	17	.85	.78	.70	.62
652	SDR1806-220ML	22	20%	22	2.52	13	.85	.78	.70	.62
652	SDR1806-330ML	33	20%	24	2.52	11	.85	.78	.70	.62
652	SDR1806-470ML	47	20%	22	2.52	9.0	.85	.78	.70	.62
652	SDR1806-680ML	68	20%	22	2.52	8.0	.85	.78	.70	.62
652	SDR1806-101KL	100	10%	25	.796	7.0	.85	.78	.70	.62
652	SDR1806-151KL	150	10%	23	.796	5.0	.85	.78	.70	.62
652	SDR1806-221KL	220	10%	20	.796	4.5	.85	.78	.70	.62
652	SDR1806-331KL	330	10%	18	.796	3.5	.85	.78	.70	.62
652	SDR1806-471KL	470	10%	15	.796	3.0	.85	.78	.70	.62
652	SDR1806-681KL	680	10%	12	.796	2.5	.85	.78	.70	.62
652	SDR1806-102KL	1000	10%	10	.252	2.0	.85	.78	.70	.62

SDR2207 Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Inductance 1kHz		Q (min.)	Test Freq. (MHz)	SRF MHz (min.)	Price Each			Reel Price Ea.
Mfr.	Mfr. Part No.	µH	Tol.				1	25	100	250
Lead Free										
652	SDR2207-3R3ML	3.3	20%	38	3	39	.96	.80	.72	.63
652	SDR2207-100ML	10	20%	53	5	20	.96	.80	.72	.63
652	SDR2207-220YL	22	15%	27	3	14	.96	.80	.72	.63
652	SDR2207-470KL	47	10%	27	3	9.0	.96	.80	.72	.63
652	SDR2207-101KL	100	10%	18	2	6.2	.96	.80	.72	.63

BOURNS / J.W. MILLER Chip Inductors

J.W.Miller
MAGNETICS
A Bourns Company

RoHS Compliant **This page of product is compliant.**

PM0805 SERIES CHIP INDUCTORS

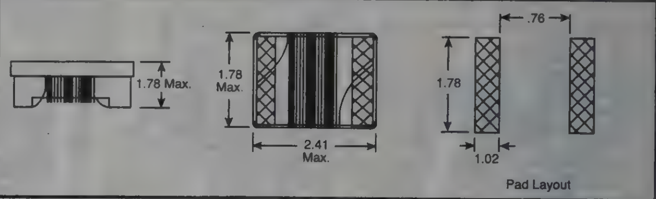
Specifications:

- Operating Temperature: -55°C to +125°C
- Ceramic core, wire wound for superior reliability
- Current to cause 15°C maximum temperature rise

RoHS Compliant

Price Each				
1	10	25	50	100
.32	.25	.20	.17	.16

DIMENSIONS: mm



For quantities not listed, call for a quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (nH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±20%					
542-PM0805-2N2M-RC	PM0805-2N2M-RC	2.2	15	250	600
542-PM0805-3N3M-RC	PM0805-3N3M-RC	3.3	50	250	600
542-PM0805-6N8M-RC	PM0805-6N8M-RC	6.8	50	250	600
542-PM0805-8N2M-RC	PM0805-8N2M-RC	8.2	50	250	600
542-PM0805-12NM-RC	PM0805-12NM-RC	12	50	250	600
542-PM0805-18NM-RC	PM0805-18NM-RC	18	50	250	600
542-PM0805-27NM-RC	PM0805-27NM-RC	27	55	250	500

For quantities not listed, call for a quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (nH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±20% (cont.)					
542-PM0805-33NM-RC	PM0805-33NM-RC	33	60	250	500
542-PM0805-39NM-RC	PM0805-39NM-RC	39	60	250	500
542-PM0805-47NM-RC	PM0805-47NM-RC	47	60	200	500
Tolerance: ±10%					
542-PM0805-56NK-RC	PM0805-56NK-RC	56	60	200	500
542-PM0805-68NK-RC	PM0805-68NK-RC	68	60	200	500
542-PM0805-82NK-RC	PM0805-82NK-RC	82	65	150	400

J.W.Miller
MAGNETICS
A Bourns Company

PM1008 SERIES CHIP INDUCTORS

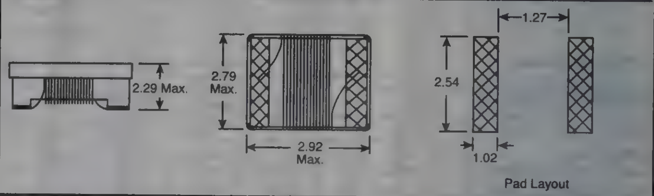
Specifications:

- Operating Temperature: -55°C to +125°C
- Ceramic core, wire wound for superior reliability
- Current to cause 15°C maximum temperature rise

RoHS Compliant

Price Each				
1	10	25	50	100
.39	.30	.21	.19	.18

DIMENSIONS: mm



For quantities not listed, call for a quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (nH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±20%					
542-PM1008-10NM-RC	PM1008-10NM-RC	10	50	50	1000
542-PM1008-12NM-RC	PM1008-12NM-RC	12	50	50	1000
542-PM1008-15NM-RC	PM1008-15NM-RC	15	50	50	1000
542-PM1008-18NM-RC	PM1008-18NM-RC	18	50	50	1000
542-PM1008-22NM-RC	PM1008-22NM-RC	22	55	50	1000
542-PM1008-27NM-RC	PM1008-27NM-RC	27	55	50	1000
542-PM1008-33NM-RC	PM1008-33NM-RC	33	60	50	1000
542-PM1008-39NM-RC	PM1008-39NM-RC	39	60	50	1000
542-PM1008-47NM-RC	PM1008-47NM-RC	47	65	50	1000
Tolerance: ±10%					
542-PM1008-56NK-RC	PM1008-56NK-RC	56	65	50	1000
542-PM1008-68NK-RC	PM1008-68NK-RC	68	65	50	1000
542-PM1008-82NK-RC	PM1008-82NK-RC	82	60	50	1000
542-PM1008-R10K-RC	PM1008-R10K-RC	0.10μH	60	25	650
542-PM1008-R12K-RC	PM1008-R12K-RC	0.12μH	60	25	650
542-PM1008-R15K-RC	PM1008-R15K-RC	0.15μH	45	25	580
542-PM1008-R18K-RC	PM1008-R18K-RC	0.18μH	45	25	620

For quantities not listed, call for a quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (nH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±10% (cont.)					
542-PM1008-R22K-RC	PM1008-R22K-RC	0.22	45	25	500
542-PM1008-R27K-RC	PM1008-R27K-RC	0.27	45	25	500
542-PM1008-R33K-RC	PM1008-R33K-RC	0.33	45	25	450
542-PM1008-R39K-RC	PM1008-R39K-RC	0.39	45	25	470
542-PM1008-R47K-RC	PM1008-R47K-RC	0.47	45	25	470
542-PM1008-R56K-RC	PM1008-R56K-RC	0.56	45	25	400
542-PM1008-R68K-RC	PM1008-R68K-RC	0.68	45	25	400
542-PM1008-R82K-RC	PM1008-R82K-RC	0.82	45	25	400
542-PM1008-1R0K-RC	PM1008-1R0K-RC	1.0	35	25	370
542-PM1008-1R2K-RC	PM1008-1R2K-RC	1.2	35	7.9	340
542-PM1008-1R5K-RC	PM1008-1R5K-RC	1.5	28	7.9	330
542-PM1008-1R8K-RC	PM1008-1R8K-RC	1.8	28	7.9	300
542-PM1008-2R2K-RC	PM1008-2R2K-RC	2.2	28	7.9	290
542-PM1008-2R7K-RC	PM1008-2R7K-RC	2.7	22	7.9	290
542-PM1008-3R3K-RC	PM1008-3R3K-RC	3.3	22	7.9	290
542-PM1008-3R9K-RC	PM1008-3R9K-RC	3.9	20	7.9	260
542-PM1008-4R7K-RC	PM1008-4R7K-RC	4.7	20	7.9	260

J.W.Miller
MAGNETICS
A Bourns Company

PM1210 SERIES CHIP INDUCTORS

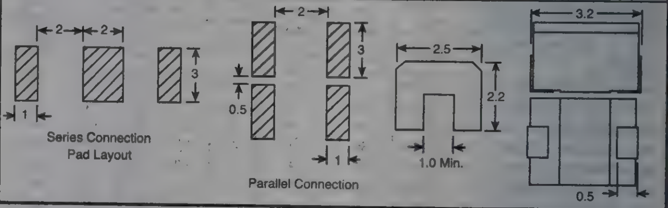
Specifications:

- Operating Temperature: -55°C to +105°C
- High resistance to solder heat and moisture
- Current to cause 20°C maximum temperature rise

RoHS Compliant

Price Each				
1	10	25	50	100
.45	.40	.33	.19	.17

DIMENSIONS: mm



For quantities not listed, call for a quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (μH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±5%					
542-PM1210-1R0J-RC	PM1210-1R0J-RC	1.0	28	7.96	400
542-PM1210-1R2J-RC	PM1210-1R2J-RC	1.2	28	7.96	390
542-PM1210-1R5J-RC	PM1210-1R5J-RC	1.5	28	7.96	370
542-PM1210-1R8J-RC	PM1210-1R8J-RC	1.8	28	7.96	350
542-PM1210-2R2J-RC	PM1210-2R2J-RC	2.2	30	7.96	320
542-PM1210-2R7J-RC	PM1210-2R7J-RC	2.7	30	7.96	290
542-PM1210-3R3J-RC	PM1210-3R3J-RC	3.3	30	7.96	260
542-PM1210-3R9J-RC	PM1210-3R9J-RC	3.9	30	7.96	250
542-PM1210-4R7J-RC	PM1210-4R7J-RC	4.7	30	7.96	220
542-PM1210-5R6J-RC	PM1210-5R6J-RC	5.6	30	7.96	200
542-PM1210-6R8J-RC	PM1210-6R8J-RC	6.8	30	7.96	180
542-PM1210-8R2J-RC	PM1210-8R2J-RC	8.2	30	7.96	170
542-PM1210-100J-RC	PM1210-100J-RC	10	30	2.52	150
542-PM1210-120J-RC	PM1210-120J-RC	12	30	2.52	140

For quantities not listed, call for a quote.

MOUSER STOCK NO.	J.W. Miller Part No.	Inductance (μH)	Q Min.	Test Frequency (MHz)	Idc Max (mA)
Tolerance: ±5% (cont.)					
542-PM1210-150J-RC	PM1210-150J-RC	15	30	2.52	130
542-PM1210-180J-RC	PM1210-180J-RC	18	30	2.52	120
542-PM1210-220J-RC	PM1210-220J-RC	22	30	2.52	110
542-PM1210-270J-RC	PM1210-270J-RC	27	30	2.52	80
542-PM1210-330J-RC	PM1210-330J-RC	33	30	2.52	70
542-PM1210-390J-RC	PM1210-390J-RC	39	30	2.52	65
542-PM1210-470J-RC	PM1210-470J-RC	47	30	2.52	60
542-PM1210-560J-RC	PM1210-560J-RC	56	30	2.52	55
542-PM1210-680J-RC	PM1210-680J-RC	68	30	2.52	50
542-PM1210-820J-RC	PM1210-820J-RC	82	30	2.52	45
542-PM1210-101J-RC	PM1210-101J-RC	100	20	0.796	40
542-PM1210-121J-RC	PM1210-121J-RC	120	20	0.796	70
542-PM1210-151J-RC	PM1210-151J-RC	150	20	0.796	65
542-PM1210-181J-RC	PM1210-181J-RC	180	20	0.796	60
542-PM1210-221J-RC	PM1210-221J-RC	220	20	0.796	50

BOURNS / J.W. MILLER Chokes

J.W.Miller MAGNETICS A Bourns Company

RoHS Compliant **This page of product is compliant.**

77F SERIES CONFORMAL COATED CHOKES

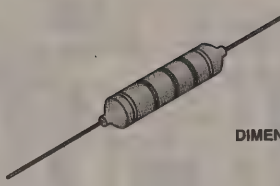
Specifications:

- Epoxy coated
- Working voltage: 250VDC (max.)
- Operating temperature: -20°C to +105°C
- Core material: ferrite
- Leads: tinned copper wire
- High Q and self resonant frequency
- Low DCR
- Dielectric strength 500Vrms
- Color bands (EIA standard)

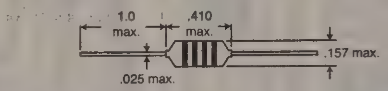
RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (μH)	Inductive Tolerance	Q Min	Test Freq MHz	SRF Min. MHz	DCR Min. Ohms	Idc Max mA	Price Each				
									1	50	100	500	1000
542-77F6R8-RC	77F6R8-RCK	6.8	10%	75	7.9	68	0.48	550	.54	.43	.32	.27	.21
542-77F100-RC	77F100-RCK	10	10%	85	7.9	45	0.58	500	.54	.43	.32	.27	.21
542-77F270-RC	77F270-RCK	27	10%	55	2.5	7.6	0.94	390	.54	.43	.32	.27	.21
542-77F330-RC	77F330-RCJ	33	5%	55	2.5	6.3	1.03	370	.54	.43	.32	.27	.21
542-77F470-RC	77F470-RCJ	47	5%	45	2.5	6.3	1.22	340	.54	.43	.32	.27	.21
542-77F820-RC	77F820-RCJ	82	5%	35	2.5	5.3	1.62	290	.54	.43	.32	.27	.21
542-77F101-RC	77F101-RCJ	100	5%	30	2.5	4.8	1.8	275	.54	.43	.32	.27	.21
542-77F221-RC	77F221-RCJ	220	5%	70	0.79	3	5.1	155	.54	.43	.32	.27	.21
542-77F331-RC	77F331-RCJ	330	5%	65	0.79	2.6	6.4	137	.54	.43	.32	.27	.21
542-77F391-RC	77F391-RCJ	390	5%	65	0.79	2.4	7	133	.54	.43	.32	.27	.21
542-77F102-RC	77F102-RCJ	1000	5%	50	0.79	1.4	14	100	.54	.43	.32	.27	.21



DIMENSIONS: in.



78F SERIES CONFORMAL COATED CHOKES

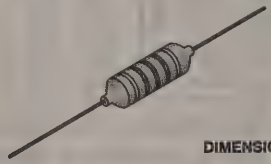
Specifications:

- Epoxy coated
- Working voltage: 250VDC (max.)
- Operating temperature: -20°C to +105°C
- Core material: ferrite
- Leads: tinned copper wire
- High Q and self resonant frequency
- Low DCR
- Dielectric strength 500Vrms
- Color bands (EIA standard)

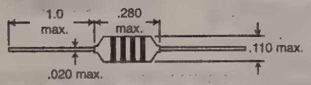
RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (μH)	Inductive Tolerance	Q Min	Test Freq MHz	SRF Min. MHz	DCR Min. Ohms	Idc Max mA	Price Each				
									1	50	100	500	1000
542-78FR68-RC	78FR68K-RC	0.68	10%	40	25	250	0.12	495	.54	.43	.32	.27	.21
542-78F1R0-RC	78F1R0K-RC	1	10%	40	25	180	0.15	385	.54	.43	.32	.27	.21
542-78F1R8-RC	78F1R8K-RC	1.8	10%	50	7.9	125	0.25	455	.54	.43	.32	.27	.21
542-78F2R7-RC	78F2R7K-RC	2.7	10%	50	7.9	95	0.3	355	.54	.43	.32	.27	.21
542-78F3R3-RC	78F3R3J-RC	3.3	5%	50	7.9	70	0.34	270	.54	.43	.32	.27	.21
542-78F4R7-RC	78F4R7J-RC	4.7	5%	45	7.9	50	0.35	230	.54	.43	.32	.27	.21
542-78F8R2-RC	78F8R2J-RC	8.2	5%	40	7.9	28	0.55	155	.54	.43	.32	.27	.21
542-78F100-RC	78F100J-RC	10	5%	40	7.9	22	0.72	130	.54	.43	.32	.27	.21
542-78F120-RC	78F120J-RC	12	5%	45	2.5	20	0.8	155	.54	.43	.32	.27	.21
542-78F220-RC	78F220J-RC	22	5%	50	2.5	13	1.2	140	.54	.43	.32	.27	.21
542-78F270-RC	78F270J-RC	27	5%	50	2.5	11	1.35	135	.54	.43	.32	.27	.21
542-78F330-RC	78F330J-RC	33	5%	50	2.5	10	1.5	193	.54	.43	.32	.27	.21
542-78F390-RC	78F390J-RC	39	5%	50	2.5	9.5	1.7	185	.54	.43	.32	.27	.21
542-78F470-RC	78F470J-RC	47	5%	60	2.5	8.5	2.3	167	.54	.43	.32	.27	.21
542-78F101-RC	78F101J-RC	100	5%	60	2.5	5.5	3.5	125	.54	.43	.32	.27	.21
542-78F121-RC	78F121J-RC	120	5%	60	0.79	5.4	3.8	100	.54	.43	.32	.27	.21
542-78F221-RC	78F221J-RC	220	5%	60	0.79	4	5.7	76	.54	.43	.32	.27	.21
542-78F471-RC	78F471J-RC	470	5%	60	0.79	2.5	11.6	53	.54	.43	.32	.27	.21



DIMENSIONS: in.



9230 SERIES MOLDED RF CHOKES

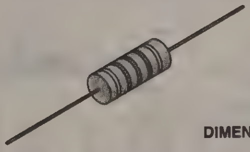
Specifications:

- Meets MIL Spec: MIL-C-15305, MS75083, MS75084, MS75085
- Inductive tolerance: ±10%
- Miniature size
- Injection molded
- Flame retardant
- Dielectric strength 1000VRMS
- Operating temperature: -55°C to +125°C

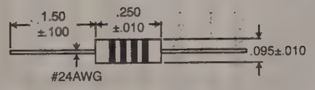
RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (μH)	Q Min	Test Freq MHz	SFR Min. MHz	DCR Min. Ohms	Idc Max mA	Price Each				
								1	50	100	500	1000
542-9230-94-RC	9230-94-RC	0.1	40	25	690	0.07	1100	1.52	1.14	.85	.76	.67
542-9230-00-RC	9230-00-RC	0.15	38	25	600	0.1	1100	1.04	.83	.62	.52	.42
542-9230-04-RC	9230-04-RC	0.22	33	25	510	0.14	935	1.04	.83	.62	.52	.42
542-9230-10-RC	9230-10-RC	0.39	30	25	380	0.3	640	1.04	.83	.62	.52	.42
542-9230-12-RC	9230-12-RC	0.47	30	25	340	0.35	590	1.04	.83	.62	.52	.42
542-9230-14-RC	9230-14-RC	0.56	30	25	300	0.5	495	1.04	.83	.62	.52	.42
542-9230-16-RC	9230-16-RC	0.68	28	25	275	0.6	450	1.04	.83	.62	.52	.42
542-9230-20-RC	9230-20-RC	1	25	25	230	1	350	1.04	.83	.62	.55	.53
542-9230-32-RC	9230-32-RC	3.3	45	7.9	90	0.85	380	1.42	1.13	.84	.71	.57
542-9230-34-RC	9230-34-RC	3.9	45	7.9	82	1	350	1.42	1.13	.84	.71	.57
542-9230-36-RC	9230-36-RC	4.7	45	7.9	75	1.2	320	1.42	1.13	.84	.71	.57
542-9230-44-RC	9230-44-RC	10	55	7.9	50	3.7	180	1.52	1.14	.85	.76	.67
542-9230-52-RC	9230-52-RC	22	50	2.5	25	3.3	190	1.52	1.14	.85	.76	.67
542-9230-56-RC	9230-56-RC	33	45	2.5	24	3.4	187	1.52	1.14	.85	.76	.67
542-9230-64-RC	9230-64-RC	68	50	2.5	15	6.7	135	1.52	1.14	.85	.76	.67
542-9230-68-RC	9230-68-RC	100	50	2.5	13	8	125	1.52	1.14	.85	.76	.67
542-9230-70-RC	9230-70-RC	120	30	0.79	12	13	97	1.52	1.14	.85	.76	.67



DIMENSIONS: in.



9250 SERIES SHIELDED MOLDED RF CHOKES

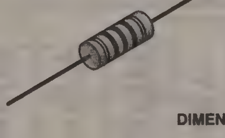
Specifications:

- Meets MIL Spec: MIL-C-15305, MS75088, MS75089, MS90537
- Electromagnetic shielding
- Inductive tolerance: ±10%
- High Q, high reliability
- Magnetic shielded for low radiation
- Injection molded
- Flame retardant
- Dielectric strength 1000VRMS
- Operating temperature: -55°C to +125°C

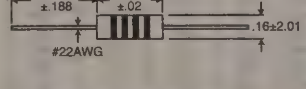
RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	J.W. Miller Part No.	L (μH)	Q Min	Test Freq MHz	SFR Min. MHz	DCR Min. Ohms	Idc Max mA	Price Each				
								1	50	100	500	1000
542-9250-102-RC	9250-102-RC	1	44	25	140	0.07	1070	1.99	1.42	1.13	.99	.85
542-9250-222-RC	9250-222-RC	2.2	44	7.9	100	0.19	650	2.95	2.10	1.68	1.47	1.26
542-9250-472-RC	9250-472-RC	4.7	44	7.9	70	0.55	380	1.99	1.42	1.13	.99	.85
542-9250-103-RC	9250-103-RC	10	50	7.9	46	1.62	220	1.99	1.42	1.13	.99	.85
542-9250-223-RC	9250-223-RC	22	45	2.5	41	0.96	290	2.95	2.10	1.68	1.47	1.26
542-9250-473-RC	9250-473-RC	47	50	2.5	27	2.11	195	1.99	1.42	1.13	.99	.93
542-9250-104-RC	9250-104-RC	100	50	2.5	10	3.12	160	2.39	1.70	1.36	1.19	1.02
542-9250-224-RC	9250-224-RC	220	55	0.79	7.5	5	125	2.39	1.70	1.36	1.19	1.02
542-9250-474-RC	9250-474-RC	470	60	0.79	5.7	9.5	92	2.39	1.70	1.36	1.19	1.02
542-9250-105-RC	9250-105-RC	1000	60	0.79	3.8	17.5	70	2.39	1.70	1.36	1.19	1.02
542-9250-225-RC	9250-225-RC	2200	45	0.25	0.97	33.8	50	2.74	1.95	1.56	1.37	1.17
542-9250-106-RC	9250-106-RC	10000	40	0.25	0.47	137	24	2.95	2.10	1.68	1.47	1.26



DIMENSIONS: in.



BOURNS / J.W. MILLER Chokes and Coils

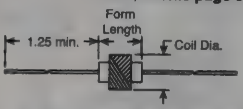
J.W.Miller MAGNETICS A Bourns Company

RoHS Compliant This page of product is compliant.

70F SERIES RF CHOKES

Specifications:
- Varnish impregnated
- Core material: L ≤ 15000μH, iron
  L ≥ 33000μH, ferrite

RoHS Compliant



DIMENSIONS: in.

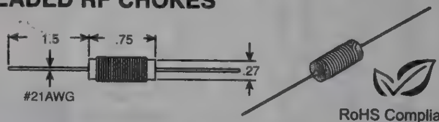
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Q Min.	Fo Min.	Rdc Max. Ohms	Idc Max mA	Coil Dia. Max.	Form Length	Price Each		
								1	25	50
542-70F106-RC	1.0	41	118.0	0.048	2041	.165	.25	.80	.60	.55
542-70F226-RC	2.2	43	87.0	0.156	1132	.16	.25	.97	.73	.55
542-70F336-RC	3.3	40	66.0	0.24	912	.15	.25	.97	.73	.55
542-70F476-RC	4.7	43	53.0	0.457	661	.15	.25	.97	.73	.55
542-70F686-RC	6.8	40	49.0	0.624	566	.15	.25	.97	.73	.55
542-70F105-RC	10	36	19.0	1.56	277	.16	.25	1.18	.89	.67
542-70F225-RC	22	51	13.0	2.28	229	.165	.25	1.18	.89	.67
542-70F335-RC	33	50	10.0	2.76	208	.17	.25	1.18	.89	.67
542-70F395-RC	39	48	9.3	3.36	188	.175	.25	1.18	.89	.67
542-70F475-RC	47	44	9.1	3.36	188	.175	.25	1.18	.89	.67
542-70F104-RC	100	25	3.6	7.68	139	.165	.25	1.37	1.02	.77
542-70F474-RC	470	35	1.8	16.3	95	.185	.25	1.29	.97	.73
542-70F504-RC	500	49	1.8	18.0	91	.195	.25	1.37	1.02	.77
542-70F824-RC	820	33	1.6	22.9	80	.21	.25	1.37	1.02	.77
542-70F103-RC	1000	30	1.4	24.0	79	.225	.25	1.37	1.02	.77
542-70F223-RC	2200	40	0.96	45.6	57	.24	.25	1.02	.92	.81
542-70F253-RC	2500	48	0.96	45.6	57	.26	.38	1.37	1.02	.77
542-70F333-RC	3300	52	0.8	51.6	53	.26	.38	1.37	1.02	.77
542-70F473-RC	4700	49	0.68	64.8	48	.285	.38	1.37	1.02	.77
542-70F102-RC	10000	41	0.52	101.0	38	.335	.38	1.37	1.02	.77
542-70F152-RC	15000	50	0.32	113.0	47	.3	.50	1.86	1.67	1.48
542-70F332-RC	33000	61	0.232	134.0	43	.353	.63	3.16	2.35	1.78
542-70F502-RC	50000	57	0.196	175.0	37	.4	.63	3.16	2.35	1.78
542-70F101-RC	100000	48	0.157	278.0	29	.446	.63	2.18	1.62	1.23

AXIAL LEADED RF CHOKES

Phenolic Core

Specifications:
- Inductive tolerance: ±10%
  (except 542-4602 is ±20%)
- Varnish impregnated



RoHS Compliant

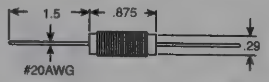
DIMENSIONS: in.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max.	Idc Max mA	Price Each		
							1	25	50
542-4602-RC	1.0	60	7.9	190	.05	2000	1.08	.95	.81
542-4604-RC	1.5	58	7.9	149	.093	1800	1.08	.95	.81
542-4606-RC	2.4	56	7.9	120	.19	1500	1.08	.95	.81
542-4608-RC	3.9	60	7.9	93	.45	1000	1.08	.95	.81
542-4609-RC	5.5	57	7.9	80	.67	850	1.08	.95	.81
542-4610-RC	6.2	57	7.9	76	.83	700	1.08	.95	.81
542-4611-RC	8.2	57	7.9	65	1.2	600	1.08	.95	.81
542-4612-RC	10.0	36	2.5	61	1.5	500	1.08	.95	.81

Iron Core

Specifications:
- Inductive tolerance: ±5%
- Varnish impregnated



RoHS Compliant

DIMENSIONS: in.

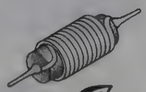
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Q Min	Test Freq MHz	Fo Min. MHz	Rdc Max.	Idc Max mA	Price Each		
							1	25	50
542-4622-RC	10	69	2.5	40	0.11	1500	1.08	.95	.81
542-4624-RC	15	62	2.5	33	0.17	1000	1.08	.95	.81
542-4626-RC	24	65	2.5	25	0.34	800	1.08	.95	.81
542-4629-RC	55	72	2.5	17	1.0	500	1.08	.95	.81
542-4630-RC	62	83	2.5	16	1.2	475	1.08	.95	.81
542-4631-RC	82	85	2.5	13	1.9	450	1.08	.95	.81
542-4632-RC	100	107	.79	12	3.0	400	1.08	.95	.81

HEAVY DUTY HASH CHOKES

Special Features:
- Low cost, low DCR
- High current capacity
- Varnish coated
- Operating temperature -55 to +105°C
- Ideal for use as EMI filter, output choke, smoothing coil
- Current to cause 10% maximum inductance drop or 35°C maximum termperature rise

Specifications:
- L ≤ 4μH measured on Q meter @ 7.9 MHz
- L ≥ 40μH measured on 1 kHz bridge
- Inductive tolerance: ±20%



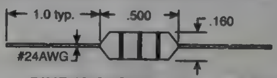
RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Rdc Max. Ohms	Idc Max Amps	Coil Dia. Max.	Form Length	Core Material	Price Each		
							1	25	50
542-5218-RC	3.35	.01	20	.6	1.25	Iron	4.22	3.18	2.37
542-5219-RC	4.9	.016	15	.6	1.25	Iron	3.96	2.98	2.22
542-5220-RC	8.8	.021	10	.56	1.25	Iron	3.76	2.83	2.11
542-5230-RC	4	.012	8	.38	.875	Ferrite	1.88	1.41	1.05
542-5240-RC	40	.082	3	.31	1.25	Ferrite	1.88	1.41	1.05
542-5248-RC	68	.054	5	.56	1.25	Ferrite	2.50	1.88	1.40
542-5250-RC	100	.216	2	.38	1.25	Ferrite	2.50	1.88	1.40
542-5252-RC	125	.08	3.5	.5	1.25	Ferrite	2.50	1.88	1.40
542-5254-RC	250	.17	2.5	.44	1.25	Ferrite	2.50	1.88	1.40
542-5256-RC	500	.26	2	.56	1.25	Ferrite	2.50	1.88	1.40
542-5258-RC	1000	.55	1	.5	1.25	Ferrite	2.25	1.61	1.28

MINIATURE HIGH CURRENT RF CHOKES

- Epoxy conformal coated
- Operating temperature: -55°C to +105°C



RoHS Compliant

5300 Series

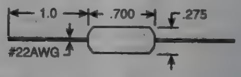
DIMENSIONS: in.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Incr I mA	Fo Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
							1	25	50
542-5300-01-RC	1.0	10%	3000	190.0	0.018	3300	1.65	1.57	1.49
542-5300-03-RC	1.5	10%	2500	160.0	0.020	3100	1.65	1.57	1.49
542-5300-10-RC	5.6	10%	1300	64.0	0.074	1600	1.65	1.57	1.49
542-5300-13-RC	10	10%	970	25.0	0.095	1500	1.65	1.57	1.49
542-5300-17-RC	22	10%	640	8.4	0.19	1000	1.65	1.57	1.49
542-5300-19-RC	33	10%	530	7.6	0.24	910	1.65	1.57	1.49
542-5300-21-RC	47	10%	430	6.0	0.35	760	1.65	1.57	1.49
542-5300-25-RC	100	10%	300	3.9	0.67	550	1.65	1.57	1.49
542-5300-27-RC	150	10%	250	3.2	1.2	410	1.65	1.57	1.49
542-5300-29-RC	220	10%	200	2.3	1.9	320	1.65	1.57	1.49
542-5300-32-RC	390	10%	150	1.7	3.0	260	1.65	1.57	1.49
542-5300-33-RC	470	10%	140	1.4	3.4	240	1.65	1.57	1.49

HIGH CURRENT RF CHOKES

Specifications:
- Coils finished with sleeving VW1 Rated
- Inductance measured @ 1kHz
- Operating temperature: -55°C to +105°C



RoHS Compliant

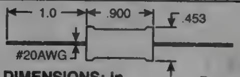
5800 Series

DIMENSIONS: in.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Rdc Max. Ohms @ +20°C	Saturation Current DC Amps	Suggested Rated Current AC	Price Each		
						1	10	25
542-5800-3R9-RC	3.9	10%	0.019	7.3	1.28	1.48	1.11	.83
542-5800-8R2-RC	8.2	10%	0.028	4.5	1.28	1.48	1.11	.83
542-5800-100-RC	10	10%	0.033	4.1	1.28	1.48	1.11	.83
542-5800-470-RC	47	10%	0.109	1.8	0.804	1.48	1.11	.83
542-5800-560-RC	56	10%	0.140	1.7	0.804	1.48	1.11	.83
542-5800-820-RC	82	10%	0.152	1.4	0.804	1.48	1.11	.83
542-5800-101-RC	100	10%	0.208	1.2	0.632	1.48	1.11	.83
542-5800-121-RC	120	10%	0.283	1.1	0.508	1.48	1.11	.83
542-5800-151-RC	150	10%	0.340	1.0	0.508	1.48	1.11	.83
542-5800-181-RC	180	10%	0.362	0.95	0.508	1.48	1.11	.83
542-5800-221-RC	220	10%	0.430	0.86	0.508	1.48	1.11	.83
542-5800-271-RC	270	10%	0.557	0.77	0.400	1.48	1.11	.83
542-5800-331-RC	330	10%	0.665	0.70	0.400	1.48	1.11	.83
542-5800-391-RC	390	10%	0.772	0.64	0.400	1.48	1.11	.83
542-5800-471-RC	470	10%	1.15	0.59	0.315	1.48	1.11	.83
542-5800-102-RC	1000	10%	2.30	0.40	0.200	1.48	1.11	.83
542-5800-152-RC	1500	10%	3.45	0.33	0.158	1.48	1.11	.83
542-5800-222-RC	2200	10%	4.48	0.27	0.158	1.48	1.11	.83
542-5800-472-RC	4700	10%	10.5	0.18	0.100	1.48	1.11	.83
542-5800-682-RC	6800	10%	16.3	0.151	0.082	1.48	1.11	.83
542-5800-103-RC	10000	10%	26.4	0.125	0.050	1.48	1.11	.83

Special Features:
- High current capacity
- Low DCR
- Ferrite bobbin core



RoHS Compliant

5900 Series

DIMENSIONS: in.

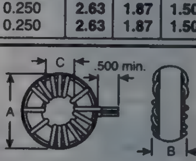
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Rdc Max. Ohms @ +20°C	Saturation Current DC Amps	Suggested Rated Current AC	Price Each		
						1	25	50
542-5900-100-RC	10	10%	0.017	8.70	4.0	2.63	1.87	1.50
542-5900-220-RC	22	10%	0.026	6.07	4.0	2.63	1.87	1.50
542-5900-470-RC	47	10%	0.035	3.98	4.0	2.63	1.87	1.50
542-5900-560-RC	56	10%	0.037	3.66	3.2	2.63	1.87	1.50
542-5900-101-RC	100	10%	0.090	2.79	1.6	2.63	1.87	1.50
542-5900-121-RC	120	10%	0.113	2.54	1.6	2.63	1.87	1.50
542-5900-151-RC	150	10%	0.129	2.22	1.6	2.63	1.87	1.50
542-5900-221-RC	220	10%	0.162	1.89	1.6	2.63	1.87	1.50
542-5900-271-RC	270	10%	0.208	1.63	1.6	2.63	1.87	1.50
542-5900-331-RC	330	10%	0.212	1.51	1.6	2.63	1.87	1.50
542-5900-391-RC	390	10%	0.281	1.39	1.6	2.63	1.87	1.50
542-5900-471-RC	470	10%	0.380	1.24	1.2	2.63	1.87	1.50
542-5900-681-RC	680	10%	0.548	1.05	1.0	2.63	1.87	1.50
542-5900-102-RC	1000	10%	0.844	0.87	0.8	2.63	1.87	1.50
542-5900-152-RC	1500	10%	1.18	0.70	0.6	2.63	1.87	1.50
542-5900-472-RC	4700	10%	3.19	0.39	0.4	2.63	1.87	1.50
542-5900-682-RC	6800	10%	5.69	0.322	0.250	2.63	1.87	1.50
542-5900-103-RC	10000	10%	7.30	0.266	0.250	2.63	1.87	1.50

HIGH CURRENT TOROIDS

Special Features:
- DC-DC converter, EMI filter applications
- Low radiation
- Low core loss
- High current capacity

RoHS Compliant



5700 Series

DIMENSIONS: in.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (μH)	I, DC Max Amps	Min L @ I, DC	Dimensions (In.)			Price Each		
				A	B	C	1	25	50
542-5701-RC	10	11.00	5	.875	.437	.187	5.54	5.15	4.88
542-5702-RC	25	5.50	12	.875	.437	.187	5.54	5.15	4.88
542-5711-RC	50	9.50	25	1.250	.625	.375	6.81	6.33	5.95
542-5707-RC	75	5.00	40	1.125	.562	.312	5.54	5.15	4.88
542-5703-RC	125	2.75	70	.875	.437	.187	5.54	5.15	4.88
542-5712-RC	150	4.75	85	1.250	.625	.375	6.81	6.33	5.95
542-5704-RC	275	2.00	150	.875	.437	.187	5.54	5.15	4.88
542-5705-RC	450	1.50	250	.875	.437	.187	5.54	5.15	4.88

BOURNS / J.W. MILLER SMT Power Inductors & Ferrite Beads

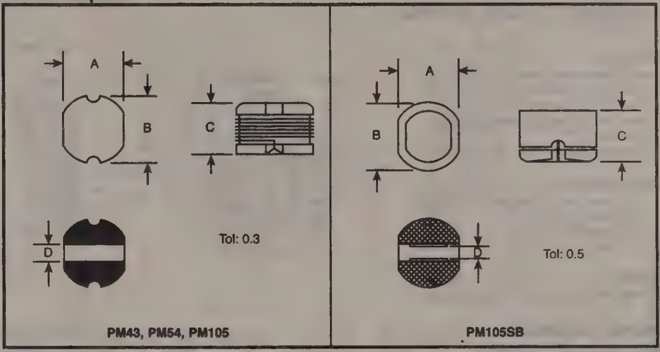
J.W.Miller MAGNETICS A Bourns Company

RoHS Compliant **This page of product is compliant.**

SMT POWER INDUCTORS

Features:
- Compact size
- Ferrite bobbin core
- High current capability
- Low core loss for high frequency power application
- Operating temperature range: -30 to +100°C
- Large terminal surface for good PCB bonding
- Current to cause maximum 10% of inductance drop or 40°C temperature rise

DIMENSIONS: mm				
Series	A	B	C	D
PM43	4.0	4.5	3.2	1.2
PM54	5.2	5.8	4.5	1.3
PM105	9.0	10.0	5.4	2.1
PM105SB	9.0	10.0	5.0	2.5



PM43, PM54, PM105

PM105SB

PM43 Series

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max Amps	Price Each		
							1	10	100
542-PM43-1R0M-RC	1.0	20%	7.96Mhz	113	0.049	2.56	1.61	1.41	1.16
542-PM43-4R7M-RC	4.7	20%	7.96Mhz	49	0.109	1.15	1.61	1.41	1.16
542-PM43-100M-RC	10	20%	2.52MHz	35	0.182	1.04	1.61	1.41	1.16
542-PM43-120M-RC	12	20%	2.52MHz	32	0.210	0.97	1.61	1.41	1.16
542-PM43-180M-RC	18	20%	2.52MHz	27	0.338	0.74	1.61	1.41	1.16
542-PM43-220M-RC	22	20%	2.52MHz	24	0.378	0.68	1.61	1.41	1.16
542-PM43-330K-RC	33	10%	2.52MHz	19	0.540	0.56	1.61	1.41	1.16
542-PM43-390K-RC	39	10%	2.52MHz	18	0.587	0.52	1.61	1.41	1.16
542-PM43-470K-RC	47	10%	2.52MHz	15	0.844	0.44	1.61	1.41	1.16
542-PM43-680K-RC	68	10%	2.52MHz	13	1.117	0.37	1.61	1.41	1.16

PM105 Series (Unshielded)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max Amps	Price Each		
							1	10	25
542-PM105-100M-RC	10	20%	2.52MHz	25	0.06	2.60	1.76	1.70	1.58
542-PM105-120M-RC	12	20%	2.52MHz	23	0.07	2.45	1.76	1.70	1.58
542-PM105-220M-RC	22	20%	2.52MHz	15	0.10	1.96	1.76	1.70	1.58
542-PM105-270M-RC	27	20%	2.52MHz	14	0.11	1.76	1.76	1.70	1.58
542-PM105-330M-RC	33	20%	2.52MHz	13	0.12	1.50	1.76	1.70	1.58
542-PM105-390M-RC	39	20%	2.52MHz	12	0.14	1.37	1.76	1.70	1.58
542-PM105-470K-RC	47	10%	2.52MHz	10	0.17	1.28	1.76	1.70	1.58
542-PM105-560K-RC	56	10%	2.52MHz	10	0.19	1.17	1.76	1.70	1.58
542-PM105-680K-RC	68	10%	2.52MHz	9	0.22	1.11	1.76	1.70	1.58
542-PM105-820K-RC	82	10%	2.52MHz	8	0.25	1.00	1.76	1.70	1.58
542-PM105-101K-RC	100	10%	1kHz	7	0.35	0.97	1.76	1.70	1.58
542-PM105-121K-RC	120	10%	1kHz	6	0.40	0.89	1.76	1.70	1.58
542-PM105-151K-RC	150	10%	1kHz	5	0.47	0.78	1.76	1.70	1.58
542-PM105-221K-RC	220	10%	1kHz	5	0.73	0.66	1.76	1.70	1.58
542-PM105-271K-RC	270	10%	1kHz	4	0.97	0.57	1.76	1.70	1.58
542-PM105-331K-RC	330	10%	1kHz	4	1.15	0.52	1.76	1.70	1.58
542-PM105-391K-RC	390	10%	1kHz	3	1.30	0.48	1.76	1.70	1.58
542-PM105-471K-RC	470	10%	1kHz	3	1.48	0.42	1.76	1.70	1.58
542-PM105-561K-RC	560	10%	1kHz	3	1.90	0.33	1.76	1.70	1.58
542-PM105-681K-RC	680	10%	1kHz	2	2.25	0.28	1.76	1.70	1.58
542-PM105-821K-RC	820	10%	1kHz	2	2.55	0.24	1.76	1.70	1.58

PM54 Series

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Inductive Tolerance	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max Amps	Price Each		
							1	10	25
542-PM54-100M-RC	10	20%	2.52MHz	30	0.10	1.44	1.00	.90	.75
542-PM54-180M-RC	18	20%	2.52MHz	23	0.15	1.23	1.25	1.10	.93
542-PM54-220M-RC	22	20%	2.52MHz	19	0.18	1.11	1.25	1.10	.93
542-PM54-330L-RC	33	15%	2.52MHz	16	0.23	0.88	1.25	1.10	.93
542-PM54-470L-RC	47	15%	2.52MHz	13	0.37	0.72	1.25	1.10	.93
542-PM54-560K-RC	56	10%	2.52MHz	12	0.42	0.68	1.34	1.18	1.00
542-PM54-680K-RC	68	10%	2.52MHz	11	0.46	0.61	1.25	1.10	.93
542-PM54-101K-RC	100	10%	1kHz	9	0.70	0.52	1.25	1.10	.93
542-PM54-121K-RC	120	10%	1kHz	8	0.93	0.48	1.25	1.10	.93
542-PM54-221K-RC	220	10%	1kHz	5	1.57	0.35	1.25	1.10	.93

PM105SB Series (Shielded)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Ind. Tol.	Test Freq.	Fo Typ. MHz	Rdc Max. Ohms	Idc Max Amps	Price Each		
							1	10	25
542-PM105SB-100M-RC	10	20%	2.52MHz	29	0.06	2.06	2.17	1.99	1.95
542-PM105SB-120M-RC	12	20%	2.52MHz	26	0.07	1.94	2.17	1.99	1.95
542-PM105SB-180M-RC	18	20%	2.52MHz	21	0.08	1.58	2.17	1.99	1.95
542-PM105SB-220M-RC	22	20%	2.52MHz	18	0.08	1.42	2.17	1.99	1.95
542-PM105SB-270M-RC	27	20%	2.52MHz	17	0.10	1.32	2.17	1.99	1.95
542-PM105SB-330L-RC	33	15%	2.52MHz	14	0.11	1.16	2.17	1.99	1.95
542-PM105SB-390L-RC	39	15%	2.52MHz	14	0.12	1.10	2.17	1.99	1.95
542-PM105SB-470L-RC	47	15%	2.52MHz	11	0.14	1.00	2.17	1.99	1.95
542-PM105SB-560L-RC	56	15%	2.52MHz	11	0.19	0.93	2.17	1.99	1.95
542-PM105SB-680L-RC	68	15%	2.52MHz	10	0.21	0.85	2.17	1.99	1.95
542-PM105SB-820L-RC	82	15%	2.52MHz	9	0.28	0.79	2.17	1.99	1.95
542-PM105SB-101K-RC	100	10%	1kHz	8	0.34	0.72	2.17	1.99	1.95
542-PM105SB-121K-RC	120	10%	1kHz	7	0.37	0.63	2.17	1.99	1.95
542-PM105SB-151K-RC	150	10%	1kHz	6	0.51	0.55	2.17	1.99	1.95
542-PM105SB-221K-RC	220	10%	1kHz	5	0.78	0.47	2.17	1.99	1.95
542-PM105SB-271K-RC	270	10%	1kHz	5	0.87	0.41	2.17	1.99	1.95
542-PM105SB-331K-RC	330	10%	1kHz	4	1.20	0.37	2.17	1.99	1.95
542-PM105SB-391K-RC	390	10%	1kHz	3	1.34	0.35	2.17	1.99	1.95
542-PM105SB-471K-RC	470	10%	1kHz	3	1.50	0.33	2.17	1.99	1.95

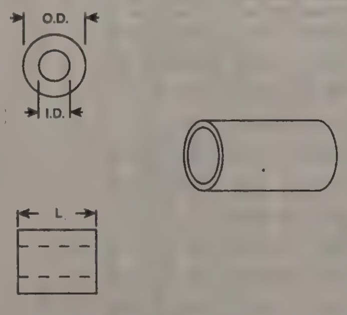
J.W.Miller MAGNETICS A Bourns Company

FB SERIES FERRITE BEADS

DIMENSIONS: in.

Features:
- Very low cost
- Excellent EMI suppression capability at high frequency
- Higher impedance can be achieved with 2 or more beads in series
- Wider frequency range can be achieved with 2 beads of different material grade in series

RoHS Compliant



For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Freq. Range (MHz)	Material Type	Min./Max. Dimensions (IN)			Price Each				
			O.D.	I.D.	L	1	10	25	50	100
542-FB73-085-RC	up to 40	73	.052/.056	.027/.031	.085/.095	.14	.13	.12	.10	.093
542-FB43-226-RC	40-200	43	.123/.153	.040/.060	.221/.251	.14	.13	.12	.10	.093
542-FB73-226-RC	up to 40	73	.125/.155	.040/.060	.221/.251	.14	.13	.12	.10	.093
542-FB73-110-RC	up to 40	73	.125/.155	.040/.060	.113/.143	.14	.13	.12	.10	.093
542-FB43-110-RC	40-200	43	.125/.155	.040/.060	.113/.143	.14	.13	.12	.10	.093
542-FB64-110-RC	above 200	64	.123/.153	.040/.060	.113.143	.14	.13	.12	.10	.093
542-FB43-422-RC	40-200	43	.185/.215	.050/.070	.412/.462	.14	.13	.12	.10	.093
542-FB73-422-RC	up to 40	73	.185/.215	.050/.070	.412/.462	.14	.13	.12	.10	.093
542-FB43-287-RC	40-200	43	.281/.311	.084/.104	.282/.312	.14	.13	.12	.10	.093
542-FB73-287-RC	up to 40	73	.281/.311	.084/.104	.282/.312	.14	.13	.12	.10	.093

BOURNS / J. W. MILLER High Current Toroidal Inductors

J.W.Miller MAGNETICS
A Bourns Company

RoHS Compliant This page of product is compliant.

J.W.Miller 2100HT SERIES

DIMENSIONS: In.

RoHS Compliant

Features:

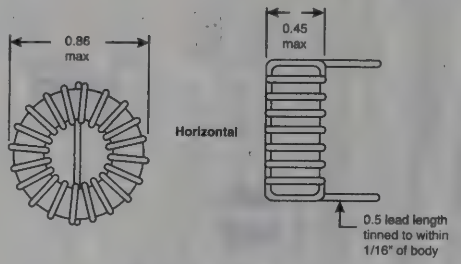
- High Temperature rating-up to +200°C
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55°C to +200°C

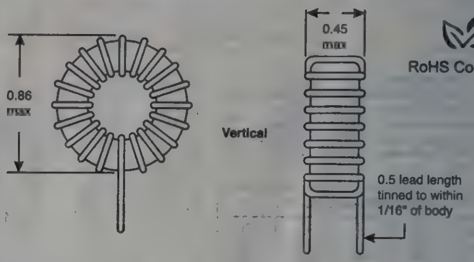
Applications:

- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

Notes:

- Rated Idc causes a 50°C temperature rise.





Horizontal Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each				
					1	10	25	50	100
542-2100HT-100H-RC	2100HT-100H-RC	10	9.9	0.012	2.44	1.69	1.50	1.31	1.13
542-2100HT-120H-RC	2100HT-120H-RC	12	9.6	0.013	2.44	1.69	1.50	1.31	1.13
542-2100HT-150H-RC	2100HT-150H-RC	15	9.1	0.014	2.44	1.69	1.50	1.31	1.13
542-2100HT-180H-RC	2100HT-180H-RC	18	8.6	0.016	2.44	1.69	1.50	1.31	1.13
542-2100HT-220H-RC	2100HT-220H-RC	22	6.7	0.026	2.44	1.69	1.50	1.31	1.13
542-2100HT-270H-RC	2100HT-270H-RC	27	6.4	0.028	2.44	1.69	1.50	1.31	1.13
542-2100HT-330H-RC	2100HT-330H-RC	33	6.1	0.031	2.44	1.69	1.50	1.31	1.13
542-2100HT-390H-RC	2100HT-390H-RC	39	5.9	0.033	2.44	1.69	1.50	1.31	1.13
542-2100HT-470H-RC	2100HT-470H-RC	47	5.6	0.036	2.44	1.69	1.50	1.31	1.13
542-2100HT-560H-RC	2100HT-560H-RC	56	5.3	0.04	2.44	1.69	1.50	1.31	1.13
542-2100HT-680H-RC	2100HT-680H-RC	68	5.1	0.044	2.44	1.69	1.50	1.31	1.13
542-2100HT-101H-RC	2100HT-101H-RC	100	4.6	0.053	2.44	1.69	1.50	1.31	1.13
542-2100HT-121H-RC	2100HT-121H-RC	120	3.5	0.094	2.44	1.69	1.50	1.31	1.13
542-2100HT-151H-RC	2100HT-151H-RC	150	3.3	0.11	2.44	1.69	1.50	1.31	1.13
542-2100HT-181H-RC	2100HT-181H-RC	180	3.1	0.12	2.44	1.69	1.50	1.31	1.13
542-2100HT-221H-RC	2100HT-221H-RC	220	3	0.13	2.44	1.69	1.50	1.31	1.13
542-2100HT-271H-RC	2100HT-271H-RC	270	2.8	0.14	2.44	1.69	1.50	1.31	1.13
542-2100HT-331H-RC	2100HT-331H-RC	330	2.7	0.16	2.44	1.69	1.50	1.31	1.13
542-2100HT-391H-RC	2100HT-391H-RC	390	2.1	0.27	2.44	1.69	1.50	1.31	1.13
542-2100HT-471H-RC	2100HT-471H-RC	470	2	0.29	2.44	1.69	1.50	1.31	1.13
542-2100HT-561H-RC	2100HT-561H-RC	560	1.9	0.32	2.44	1.69	1.50	1.31	1.13
542-2100HT-681H-RC	2100HT-681H-RC	680	1.8	0.35	2.44	1.69	1.50	1.31	1.13
542-2100HT-821H-RC	2100HT-821H-RC	820	1.7	0.39	2.44	1.69	1.50	1.31	1.13
542-2100HT-102H-RC	2100HT-102H-RC	1000	1.6	0.43	2.45	1.95	1.89	1.82	1.62

Vertical Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each				
					1	10	25	50	100
542-2100HT-100V-RC	2100HT-100V-RC	10	9.9	0.012	2.44	1.69	1.50	1.31	1.13
542-2100HT-120V-RC	2100HT-120V-RC	12	9.6	0.013	2.44	1.69	1.50	1.31	1.13
542-2100HT-150V-RC	2100HT-150V-RC	15	9.1	0.014	2.44	1.69	1.50	1.31	1.13
542-2100HT-180V-RC	2100HT-180V-RC	18	8.6	0.016	2.44	1.69	1.50	1.31	1.13
542-2100HT-220V-RC	2100HT-220V-RC	22	6.7	0.026	2.44	1.69	1.50	1.31	1.13
542-2100HT-270V-RC	2100HT-270V-RC	27	6.4	0.028	2.44	1.69	1.50	1.31	1.13
542-2100HT-330V-RC	2100HT-330V-RC	33	6.1	0.031	2.44	1.69	1.50	1.31	1.13
542-2100HT-390V-RC	2100HT-390V-RC	39	5.9	0.033	2.44	1.69	1.50	1.31	1.13
542-2100HT-470V-RC	2100HT-470V-RC	47	5.6	0.036	2.44	1.69	1.50	1.31	1.13
542-2100HT-560V-RC	2100HT-560V-RC	56	5.3	0.04	2.44	1.69	1.50	1.31	1.13
542-2100HT-680V-RC	2100HT-680V-RC	68	5.1	0.044	2.44	1.69	1.50	1.31	1.13
542-2100HT-101V-RC	2100HT-101V-RC	100	4.6	0.053	2.44	1.69	1.50	1.31	1.13
542-2100HT-121V-RC	2100HT-121V-RC	120	3.5	0.094	2.44	1.69	1.50	1.31	1.13
542-2100HT-151V-RC	2100HT-151V-RC	150	3.3	0.11	2.44	1.69	1.50	1.31	1.13
542-2100HT-181V-RC	2100HT-181V-RC	180	3.1	0.12	2.44	1.69	1.50	1.31	1.13
542-2100HT-221V-RC	2100HT-221V-RC	220	3	0.13	2.44	1.69	1.50	1.31	1.13
542-2100HT-271V-RC	2100HT-271V-RC	270	2.8	0.14	2.44	1.69	1.50	1.31	1.13
542-2100HT-331V-RC	2100HT-331V-RC	330	2.7	0.16	2.44	1.69	1.50	1.31	1.13
542-2100HT-391V-RC	2100HT-391V-RC	390	2.1	0.27	2.44	1.69	1.50	1.31	1.13
542-2100HT-471V-RC	2100HT-471V-RC	470	2	0.29	2.44	1.69	1.50	1.31	1.13
542-2100HT-561V-RC	2100HT-561V-RC	560	1.9	0.32	2.44	1.69	1.50	1.31	1.13
542-2100HT-681V-RC	2100HT-681V-RC	680	1.8	0.35	2.44	1.69	1.50	1.31	1.13
542-2100HT-821V-RC	2100HT-821V-RC	820	1.7	0.39	2.44	1.69	1.50	1.31	1.13
542-2100HT-102V-RC	2100HT-102V-RC	1000	1.6	0.43	2.41	1.72	1.37	1.20	1.03

J.W.Miller 2200HT SERIES

DIMENSIONS: In.

RoHS Compliant

Features:

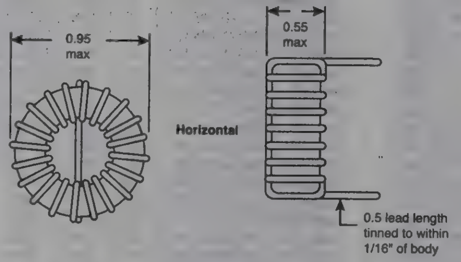
- High Temperature rating-up to +200°C
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55°C to +200°C

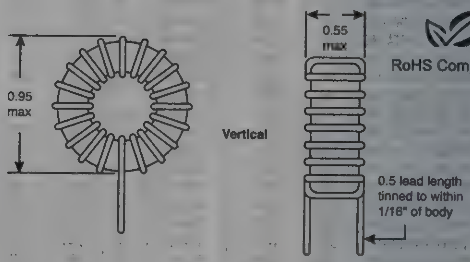
Applications:

- High operating temperature environments
- DC-DC converters
- Output chokes
- EMI filters

Notes:

- Rated Idc causes a 50°C temperature rise.





Horizontal Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each				
					1	10	25	50	100
542-2200HT-100H-RC	2200HT-100H-RC	10	11.2	0.014	2.45	1.95	1.89	1.82	1.62
542-2200HT-120H-RC	2200HT-120H-RC	12	10.9	0.015	2.45	1.95	1.89	1.82	1.62
542-2200HT-150H-RC	2200HT-150H-RC	15	10.3	0.017	2.45	1.95	1.89	1.82	1.62
542-2200HT-180H-RC	2200HT-180H-RC	18	9.7	0.018	2.45	1.95	1.89	1.82	1.62
542-2200HT-220H-RC	2200HT-220H-RC	22	9.3	0.02	2.45	1.95	1.89	1.82	1.62
542-2200HT-270H-RC	2200HT-270H-RC	27	8.9	0.022	2.45	1.95	1.89	1.82	1.62
542-2200HT-330H-RC	2200HT-330H-RC	33	8.4	0.025	2.45	1.95	1.89	1.82	1.62
542-2200HT-390H-RC	2200HT-390H-RC	39	8.1	0.026	2.45	1.95	1.89	1.82	1.62
542-2200HT-470H-RC	2200HT-470H-RC	47	6.4	0.042	2.45	1.95	1.89	1.82	1.62
542-2200HT-560H-RC	2200HT-560H-RC	56	6.1	0.046	2.45	1.95	1.89	1.82	1.62
542-2200HT-680H-RC	2200HT-680H-RC	68	5.8	0.05	2.45	1.95	1.89	1.82	1.62
542-2200HT-101H-RC	2200HT-101H-RC	100	5.3	0.061	2.45	1.95	1.89	1.82	1.62
542-2200HT-121H-RC	2200HT-121H-RC	120	5	0.067	2.45	1.95	1.89	1.82	1.62
542-2200HT-151H-RC	2200HT-151H-RC	150	4.8	0.075	2.45	1.95	1.89	1.82	1.62
542-2200HT-181H-RC	2200HT-181H-RC	180	4.6	0.082	2.45	1.95	1.89	1.82	1.62
542-2200HT-221H-RC	2200HT-221H-RC	220	4.3	0.091	2.45	1.95	1.89	1.82	1.62
542-2200HT-271H-RC	2200HT-271H-RC	270	3.3	0.16	2.45	1.95	1.89	1.82	1.62
542-2200HT-331H-RC	2200HT-331H-RC	330	3.1	0.18	2.45	1.95	1.89	1.82	1.62
542-2200HT-391H-RC	2200HT-391H-RC	390	3	0.19	2.45	1.95	1.89	1.82	1.62
542-2200HT-471H-RC	2200HT-471H-RC	470	2.8	0.21	2.45	1.95	1.89	1.82	1.62
542-2200HT-561H-RC	2200HT-561H-RC	560	2.7	0.23	2.45	1.95	1.89	1.82	1.62
542-2200HT-681H-RC	2200HT-681H-RC	680	2.6	0.27	2.45	1.95	1.89	1.82	1.62
542-2200HT-821H-RC	2200HT-821H-RC	820	2	0.44	2.45	1.95	1.89	1.82	1.62
542-2200HT-102H-RC	2200HT-102H-RC	1000	1.9	0.49	2.45	1.95	1.89	1.82	1.62

Vertical Mount

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each				
					1	10	25	50	100
542-2200HT-100V-RC	2200HT-100V-RC	10	11.2	0.014	2.45	1.95	1.89	1.82	1.62
542-2200HT-120V-RC	2200HT-120V-RC	12	10.9	0.015	2.45	1.95	1.89	1.82	1.62
542-2200HT-150V-RC	2200HT-150V-RC	15	10.3	0.017	2.45	1.95	1.89	1.82	1.62
542-2200HT-180V-RC	2200HT-180V-RC	18	9.7	0.018	2.45	1.95	1.89	1.82	1.62
542-2200HT-220V-RC	2200HT-220V-RC	22	9.3	0.02	2.45	1.95	1.89	1.82	1.62
542-2200HT-270V-RC	2200HT-270V-RC	27	8.9	0.022	2.45	1.95	1.89	1.82	1.62
542-2200HT-330V-RC	2200HT-330V-RC	33	8.4	0.025	2.45	1.95	1.89	1.82	1.62
542-2200HT-390V-RC	2200HT-390V-RC	39	8.1	0.026	2.45	1.95	1.89	1.82	1.62
542-2200HT-470V-RC	2200HT-470V-RC	47	6.4	0.042	2.45	1.95	1.89	1.82	1.62
542-2200HT-560V-RC	2200HT-560V-RC	56	6.1	0.046	2.45	1.95	1.89	1.82	1.62
542-2200HT-680V-RC	2200HT-680V-RC	68	5.8	0.05	2.45	1.95	1.89	1.82	1.62
542-2200HT-101V-RC	2200HT-101V-RC	100	5.3	0.061	2.45	1.95	1.89	1.82	1.62
542-2200HT-121V-RC	2200HT-121V-RC	120	5	0.067	2.45	1.95	1.89	1.82	1.62
542-2200HT-151V-RC	2200HT-151V-RC	150	4.8	0.075	2.45	1.95	1.89	1.82	1.62
542-2200HT-181V-RC	2200HT-181V-RC	180	4.6	0.082	2.45	1.95	1.89	1.82	1.62
542-2200HT-221V-RC	2200HT-221V-RC	220	4.3	0.091	2.45	1.95	1.89	1.82	1.62
542-2200HT-271V-RC	2200HT-271V-RC	270	3.3	0.16	2.45	1.95	1.89	1.82	1.62
542-2200HT-331V-RC	2200HT-331V-RC	330	3.1	0.18	2.45	1.95	1.89	1.82	1.62
542-2200HT-391V-RC	2200HT-391V-RC	390	3	0.19	2.45	1.95	1.89	1.82	1.62
542-2200HT-471V-RC	2200HT-471V-RC	470	2.8	0.21	2.45	1.95	1.89	1.82	1.62
542-2200HT-561V-RC	2200HT-561V-RC	560	2.7	0.23	2.45	1.95	1.89	1.82	1.62
542-2200HT-681V-RC	2200HT-681V-RC	680	2.6	0.27	2.45	1.95	1.89	1.82	1.62
542-2200HT-821V-RC	2200HT-821V-RC	820	2	0.44	2.45	1.95	1.89	1.82	1.62
542-2200HT-102V-RC	2200HT-102V-RC	1000	1.9	0.49	2.45	1.95	1.89	1.82	1.62

BOURNS / J. W. MILLER High Current Toroidal & Chip Inductors

JWMiller MAGNETICS A Bourns Company

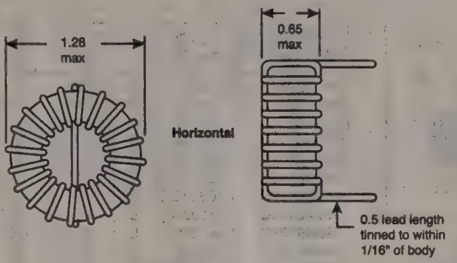
RoHS Compliant **This page of product is compliant.**

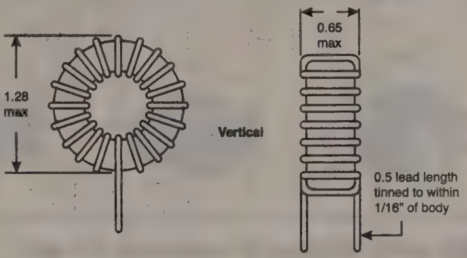
JWMiller 2300 SERIES

Dimensions: mm

- DC-DC converter, EMI filter applications
- Low radiation
- Low core loss
- High current capacity
- Horizontal or vertical mount
- Operating temperature: -55 to +105°C
- Current to cause 30°C maximum temperature rise

RoHS Compliant





Horizontal Mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each						
					1	10	25	50	100	250	500
542-2301-H-RC	2301-H-RC	10	20.0	0.005	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2302-H-RC	2302-H-RC	12	19.1	0.005	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2303-H-RC	2303-H-RC	15	18.0	0.006	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2304-H-RC	2304-H-RC	18	17.2	0.006	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2305-H-RC	2305-H-RC	22	16.4	0.007	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2306-H-RC	2306-H-RC	27	15.6	0.008	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2307-H-RC	2307-H-RC	33	11.7	0.013	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2308-H-RC	2308-H-RC	39	11.2	0.014	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2309-H-RC	2309-H-RC	47	10.7	0.016	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2310-H-RC	2310-H-RC	56	10.2	0.017	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2311-H-RC	2311-H-RC	68	7.7	0.03	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2312-H-RC	2312-H-RC	100	7.0	0.037	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2313-H-RC	2313-H-RC	120	6.7	0.04	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2314-H-RC	2314-H-RC	150	5.0	0.071	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2315-H-RC	2315-H-RC	180	4.8	0.078	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2316-H-RC	2316-H-RC	220	5.8	0.054	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2317-H-RC	2317-H-RC	270	5.5	0.06	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2318-H-RC	2318-H-RC	330	5.2	0.067	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2319-H-RC	2319-H-RC	390	5.0	0.072	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2320-H-RC	2320-H-RC	470	3.8	0.13	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2321-H-RC	2321-H-RC	560	3.6	0.14	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2322-H-RC	2322-H-RC	680	3.4	0.15	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2323-H-RC	2323-H-RC	820	2.6	0.27	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2324-H-RC	2324-H-RC	1000	2.4	0.3	2.78	2.08	1.95	1.89	1.87	1.85	1.82

Vertical Mount

For quantities of 1000 and up, call for quote.

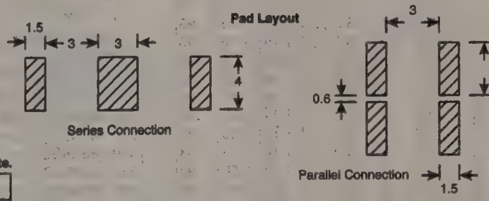
MOUSER STOCK NO.	J. W. Miller Part No.	Ind (µH)	Idc (A)	Resistance (Ohms)	Price Each						
					1	10	25	50	100	250	500
542-2301-V-RC	2301-V-RC	10	20.0	0.005	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2302-V-RC	2302-V-RC	12	19.1	0.005	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2303-V-RC	2303-V-RC	15	18.0	0.006	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2304-V-RC	2304-V-RC	18	17.2	0.006	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2305-V-RC	2305-V-RC	22	16.4	0.007	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2306-V-RC	2306-V-RC	27	15.6	0.008	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2307-V-RC	2307-V-RC	33	11.7	0.013	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2308-V-RC	2308-V-RC	39	11.2	0.014	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2309-V-RC	2309-V-RC	47	10.7	0.016	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2310-V-RC	2310-V-RC	56	10.2	0.017	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2311-V-RC	2311-V-RC	68	7.7	0.03	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2312-V-RC	2312-V-RC	100	7.0	0.037	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2313-V-RC	2313-V-RC	120	6.7	0.04	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2314-V-RC	2314-V-RC	150	5.0	0.071	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2315-V-RC	2315-V-RC	180	4.8	0.078	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2316-V-RC	2316-V-RC	220	5.8	0.054	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2317-V-RC	2317-V-RC	270	5.5	0.06	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2318-V-RC	2318-V-RC	330	5.2	0.067	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2319-V-RC	2319-V-RC	390	5.0	0.072	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2320-V-RC	2320-V-RC	470	3.8	0.13	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2321-V-RC	2321-V-RC	560	3.6	0.14	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2322-V-RC	2322-V-RC	680	3.4	0.15	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2323-V-RC	2323-V-RC	820	2.6	0.27	2.78	2.08	1.95	1.89	1.87	1.85	1.82
542-2324-V-RC	2324-V-RC	1000	2.4	0.3	2.78	2.08	1.95	1.89	1.87	1.85	1.82

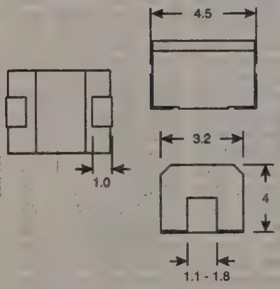
JWMiller PM1812 SERIES CHIP INDUCTORS

Dimensions: mm

- Molded construction for high reliability and superior environmental protection
- High resistance to solder heat and moisture
- Operating temperature -55 to +105°C
- Current to cause 20°C maximum temperature rise
- Tape & reel packaged 500/reel

RoHS Compliant





For quantities greater then listed, call for quote.

Price Each							
1	10	25	50	100	250	500	1000
.43	.39	.35	.33	.21	.20	.18	.116

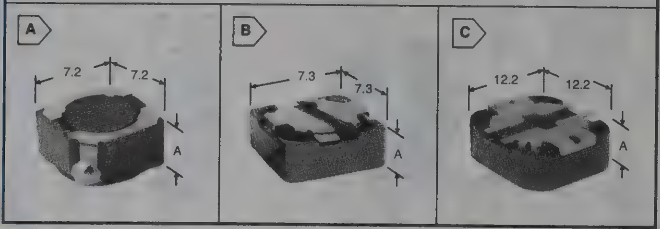
MOUSER STOCK NO.	J. W. Miller Part No.	L (uH) ±10%	Q Min	Test Freq. (Mhz)	SRF (Mhz) Min.	DCR (Ω) Max.	I, DC (mA)
542-PM1812-R10K-RC	PM1812-R10K-RC	0.1	28	25.2	300	0.18	800
542-PM1812-R12K-RC	PM1812-R12K-RC	0.12	30	25.2	280	0.2	770
542-PM1812-R15K-RC	PM1812-R15K-RC	0.15	30	25.2	250	0.22	730
542-PM1812-R18K-RC	PM1812-R18K-RC	0.18	30	25.2	220	0.24	700
542-PM1812-R22K-RC	PM1812-R22K-RC	0.22	30	25.2	200	0.25	665
542-PM1812-R27K-RC	PM1812-R27K-RC	0.27	30	25.2	180	0.26	635
542-PM1812-R33K-RC	PM1812-R33K-RC	0.33	30	25.2	165	0.28	605
542-PM1812-R39K-RC	PM1812-R39K-RC	0.39	30	25.2	150	0.3	575
542-PM1812-R47K-RC	PM1812-R47K-RC	0.47	30	25.2	145	0.32	545
542-PM1812-R56K-RC	PM1812-R56K-RC	0.56	30	25.2	140	0.36	520
542-PM1812-R68K-RC	PM1812-R68K-RC	0.68	30	25.2	135	0.4	500
542-PM1812-R82K-RC	PM1812-R82K-RC	0.82	30	25.2	130	0.45	475
542-PM1812-1R0J-RC	PM1812-1R0J-RC	1	50	7.96	100	0.5	450
542-PM1812-1R2J-RC	PM1812-1R2J-RC	1.2	50	7.96	80	0.55	430
542-PM1812-1R5J-RC	PM1812-1R5J-RC	1.5	50	7.96	70	0.6	410
542-PM1812-1R8J-RC	PM1812-1R8J-RC	1.8	50	7.96	60	0.65	390
542-PM1812-2R2J-RC	PM1812-2R2J-RC	2.2	50	7.96	55	0.7	380
542-PM1812-2R7J-RC	PM1812-2R7J-RC	2.7	50	7.96	50	0.75	370
542-PM1812-3R3J-RC	PM1812-3R3J-RC	3.3	50	7.96	45	0.8	355
542-PM1812-3R9J-RC	PM1812-3R9J-RC	3.9	50	7.96	40	0.9	330
542-PM1812-4R7J-RC	PM1812-4R7J-RC	4.7	50	7.96	35	1	315
542-PM1812-5R6J-RC	PM1812-5R6J-RC	5.6	50	7.96	33	1.1	300
542-PM1812-6R8J-RC	PM1812-6R8J-RC	6.8	50	7.96	27	1.2	285
542-PM1812-8R2J-RC	PM1812-8R2J-RC	8.2	50	7.96	25	1.4	270
542-PM1812-100J-RC	PM1812-100J-RC	10	50	2.52	20	1.6	250

MOUSER STOCK NO.	J. W. Miller Part No.	L (uH) ±10%	Q Min	Test Freq. (Mhz)	SRF (Mhz) Min.	DCR (Ω) Max.	I, DC (mA)
542-PM1812-120J-RC	PM1812-120J-RC	12	50	2.52	18	2	225
542-PM1812-150J-RC	PM1812-150J-RC	15	50	2.52	17	2.5	200
542-PM1812-180J-RC	PM1812-180J-RC	18	50	2.52	15	2.8	190
542-PM1812-220J-RC	PM1812-220J-RC	22	50	2.52	13	3.2	180
542-PM1812-270J-RC	PM1812-270J-RC	27	50	2.52	12	3.6	170
542-PM1812-330J-RC	PM1812-330J-RC	33	50	2.52	11	4	160
542-PM1812-390J-RC	PM1812-390J-RC	39	50	2.52	10	4.5	150
542-PM1812-470J-RC	PM1812-470J-RC	47	50	2.52	10	5	140
542-PM1812-560J-RC	PM1812-560J-RC	56	50	2.52	9	5.5	135
542-PM1812-680J-RC	PM1812-680J-RC	68	50	2.52	9	6	130
542-PM1812-820J-RC	PM1812-820J-RC	82	50	2.52	8	7	120
542-PM1812-101J-RC	PM1812-101J-RC	100	40	0.796	7	8	110
542-PM1812-121J-RC	PM1812-121J-RC	120	40	0.796	6	8	110
542-PM1812-151J-RC	PM1812-151J-RC	150	40	0.796	5	9	105
542-PM1812-181J-RC	PM1812-181J-RC	180	40	0.796	5	9.5	102
542-PM1812-221J-RC	PM1812-221J-RC	220	40	0.796	4	10	100
542-PM1812-271J-RC	PM1812-271J-RC	270	30	0.796	3	12	92
542-PM1812-331J-RC	PM1812-331J-RC	330	30	0.796	3	14	85
542-PM1812-391J-RC	PM1812-391J-RC	390	30	0.796	3	18	80
542-PM1812-471J-RC	PM1812-471J-RC	470	30	0.796	3	26	62
542-PM1812-561J-RC	PM1812-561J-RC	560	30	0.796	2	30	50
542-PM1812-681J-RC	PM1812-681J-RC	680	30	0.796	2	30	50
542-PM1812-821J-RC	PM1812-821J-RC	820	30	0.796	2	35	30
542-PM1812-102J-RC	PM1812-102J-RC	1000	30	0.796	2	40	30

C&D TECHNOLOGIES Inductors

RoHS Compliant This page of product is compliant.

DIMENSIONS: mm



SHIELDED SMD POWER INDUCTORS

Common Features:

- Tape and reel packaging
- J-STD-020-C reflow
- RoHS Compliant
- UL 94V-0 materials

RoHS Compliant.

2900 Series

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	L (µH)	Rdc Max. (mΩ)	Idc Max. (A)	Dimension A (mm)	Price Each		
							1	5	10
580-29102C	29102C	A	1.0	16	6.0	4.0	1.14	1.00	.93
580-29103C	29103C	A	1.5	18	5.5	4.0	1.14	1.00	.93
580-29104C	29104C	A	2.2	20	5.0	4.0	1.14	1.00	.93
580-29105C	29105C	A	3.3	28	4.0	4.0	1.14	1.00	.93
580-29152C	29152C	A	4.7	30	2.3	4.0	1.14	1.00	.93
580-29153C	29153C	A	6.8	40	2.1	4.0	1.14	1.00	.93
580-29154C	29154C	A	10	45	1.8	4.0	1.14	1.00	.93
580-29222C	29222C	A	15	65	1.5	4.0	1.14	1.00	.93
580-29223C	29223C	A	22	85	1.2	4.0	1.14	1.00	.93
580-29224C	29224C	A	33	120	1.0	4.0	1.14	1.00	.93
580-29332C	29332C	A	47	170	850mA	4.0	1.14	1.00	.93
580-29333C	29333C	A	68	250	650mA	4.0	1.14	1.00	.93
580-29334C	29334C	A	100	360	530mA	4.0	1.14	1.00	.93
580-29472C	29472C	A	150	500	470mA	4.0	1.14	1.00	.93
580-29473C	29473C	A	220	760	380mA	4.0	1.14	1.00	.93
580-29474C	29474C	A	330	1000	320mA	4.0	1.14	1.00	.93
580-29682C	29682C	A	470	1600	260mA	4.0	1.14	1.00	.93
580-29683C	29683C	A	680	2400	210mA	4.0	1.14	1.00	.93
580-29684C	29684C	A	1000	4100	180mA	4.0	1.14	1.00	.93

2900L Series

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	L (µH)	Rdc Max. (mΩ)	Idc Max. (A)	Dimension A (mm)	Price Each		
							1	5	10
580-29L102C	29L102C	A	1.0	13	4.6	3.2	1.14	1.00	.93
580-29L103C	29L103C	A	1.5	15	4.2	3.2	1.14	1.00	.93
580-29L104C	29L104C	A	2.2	20	3.0	3.2	1.14	1.00	.93
580-29L105C	29L105C	A	3.3	25	2.6	3.2	1.14	1.00	.93
580-29L152C	29L152C	A	4.7	31	2.2	3.2	1.14	1.00	.93
580-29L153C	29L153C	A	6.8	48	1.8	3.2	1.14	1.00	.93
580-29L154C	29L154C	A	10	64	1.55	3.2	1.14	1.00	.93
580-29L222C	29L222C	A	15	84	1.23	3.2	1.14	1.00	.93
580-29L223C	29L223C	A	22	114	1.05	3.2	1.14	1.00	.93
580-29L224C	29L224C	A	33	174	820mA	3.2	1.14	1.00	.93
580-29L332C	29L332C	A	47	223	800mA	3.2	1.14	1.00	.93
580-29L333C	29L333C	A	68	307	530mA	3.2	1.14	1.00	.93
580-29L334C	29L334C	A	100	456	480mA	3.2	1.14	1.00	.93
580-29L472C	29L472C	A	150	738	430mA	3.2	1.14	1.00	.93
580-29L473C	29L473C	A	220	1060	360mA	3.2	1.14	1.00	.93
580-29L474C	29L474C	A	330	1670	300mA	3.2	1.14	1.00	.93
580-29L682C	29L682C	A	470	2410	220mA	3.2	1.14	1.00	.93
580-29L683C	29L683C	A	680	3610	200mA	3.2	1.14	1.00	.93
580-29L684C	29L684C	A	1000	6480	140mA	3.2	1.14	1.00	.93

4500 Series

- Integral EMI shield

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	L (µH)	Rdc Max. (mΩ)	Idc Max. (A)	Dimension A (mm)	Price Each		
							1	5	10
580-45281C	45281C	B	0.28	9	8.0	3.55	1.05	.92	.85
580-45541C	45541C	B	0.54	11	7.0	3.55	1.05	.92	.85
580-45102C	45102C	B	1.0	14	6.0	3.55	1.05	.92	.85
580-45152C	45152C	B	1.5	17	5.5	3.55	1.05	.92	.85
580-45222C	45222C	B	2.2	26	4.5	3.55	1.05	.92	.85
580-45332C	45332C	B	3.3	34	3.7	3.55	1.05	.92	.85
580-45472C	45472C	B	4.7	47	3.2	3.55	1.05	.92	.85
580-45682C	45682C	B	6.8	66	2.6	3.55	1.05	.92	.85
580-45103C	45103C	B	10	82	2.2	3.55	.99	.87	.81
580-45153C	45153C	B	15	120	1.8	3.55	.99	.87	.81
580-45223C	45223C	B	22	180	1.35	3.55	.99	.87	.81
580-45333C	45333C	B	33	250	1.25	3.55	.99	.87	.81
580-45473C	45473C	B	47	360	1.05	3.55	.99	.87	.81
580-45683C	45683C	B	68	510	0.82	3.55	.99	.87	.81
580-45104C	45104C	B	100	710	0.70	3.55	.99	.87	.81
580-45154C	45154C	B	150	1000	0.58	3.55	.99	.87	.81
580-45224C	45224C	B	220	1550	0.50	3.55	.99	.87	.81
580-45334C	45334C	B	330	2540	0.35	3.55	.99	.87	.81
580-45474C	45474C	B	470	3250	0.32	3.55	.99	.87	.81
580-45684C	45684C	B	680	5000	0.26	3.55	.99	.87	.81
580-45105C	45105C	B	1000	6500	0.23	3.55	.99	.87	.81

4600 Series

- Integral EMI shield

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	L (µH)	Rdc Max. (mΩ)	Idc Max. (A)	Dimension A (mm)	Price Each		
							1	5	10
580-46281C	46281C	B	0.28	8	8.7	4.6	1.11	.98	.90
580-46541C	46541C	B	0.54	10	7.7	4.6	1.11	.98	.90
580-46102C	46102C	B	1.0	13	6.8	4.6	1.11	.98	.90
580-46222C	46222C	B	2.2	21	5.0	4.6	1.11	.98	.90
580-46332C	46332C	B	3.3	29	4.3	4.6	1.11	.98	.90
580-46472C	46472C	B	4.7	37	3.7	4.6	1.11	.98	.90
580-46682C	46682C	B	6.8	52	3.1	4.6	1.05	.92	.85
580-46103C	46103C	B	10	66	2.4	4.6	1.05	.92	.85
580-46223C	46223C	B	22	120	1.8	4.6	1.05	.92	.85
580-46333C	46333C	B	33	190	1.45	4.6	1.05	.92	.85
580-46683C	46683C	B	68	360	1.05	4.6	1.05	.92	.85
580-46104C	46104C	B	100	500	0.86	4.6	1.05	.92	.85
580-46224C	46224C	B	220	1050	0.57	4.6	1.05	.92	.85
580-46334C	46334C	B	330	1850	0.46	4.6	1.05	.92	.85
580-46474C	46474C	B	470	2800	0.39	4.6	1.05	.92	.85
580-46684C	46684C	B	680	3900	0.32	4.6	1.05	.92	.85
580-46105C	46105C	B	1000	4900	0.27	4.6	1.05	.92	.85

4700S Series

- Dimension: A=5.0mm
- Integral EMI shield

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	L (µH)	Rdc Max. (mΩ)	Idc Max. (A)	SRF Typ (MHz)	Q Factor Typ		Price Each		
							Q	@ f (MHz)	1	5	10
580-471R0SC	471R0SC	C	1.0	4.8	10.0	79	24	1	1.08	.95	.88
580-473R3SC	473R3SC	C	3.3	11.1	6.4	36	25	1	1.08	.95	.88
580-474R7SC	474R7SC	C	4.7	16.4	5.8	34	25	1	1.08	.95	.88
580-476R8SC	476R8SC	C	6.8	26.9	4.6	24	24	1	1.08	.95	.88
580-47100SC	47100SC	C	10	32.3	3.8	22	22	1	1.08	.95	.88
580-47150SC	47150SC	C	15	46.5	3.2	18	29	1	1.08	.95	.88
580-47330SC	47330SC	C	33	91.1	2.2	13	23	1	1.08	.95	.88
580-47470SC	47470SC	C	47	168	1.9	11	23	1	1.08	.95	.88
580-47680SC	47680SC	C	68	210	1.6	9	23	1	1.08	.95	.88
580-47101SC	47101SC	C	100	267	1.3	8	20	0.8	1.08	.95	.88
580-47151SC	47151SC	C	150	410	1.1	7	19	0.8	1.08	.95	.88
580-47331SC	47331SC	C	330	940	0.7	5	21	0.8	1.08	.95	.88
580-47471SC	47471SC	C	470	1330	0.58	5	23	0.8	1.08	.95	.88
580-47681SC	47681SC	C	680	1780	0.48	4	17	0.8	1.08	.95	.88
580-47102SC	47102SC	C	1000	2540	0.40	4	17	0.8	1.08	.95	.88

4800S Series

- Dimension: A=6.0mm
- Integral EMI shield

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	L (µH)	Rdc Max. (mΩ)	Idc Max. (A)	SRF Typ (MHz)	Q Factor Typ		Price Each		
							Q	@ f (MHz)	1	5	10
580-481R0SC	481R0SC	C	1.0	6	10.0	83	35	1	1.17	1.03	.95
580-483R3SC	483R3SC	C	3.3	12	7.3	39	34	1	1.17	1.03	.95
580-484R7SC	484R7SC	C	4.7	16	6.3	28	34	1	1.17	1.03	.95
580-486R8SC	486R8SC	C	6.8	21	5.1	26	34	1	1.17	1.03	.95
580-48100SC	48100SC	C	10	28	4.5	20	32	1	1.17	1.03	.95
580-48150SC	48150SC	C	15	40	3.7	17	31	1	1.17	1.03	.95
580-48330SC	48330SC	C	33	73	2.8	11	31	1	1.17	1.03	.95
580-48470SC	48470SC	C	47	100	2.4	10	32	1	1.17	1.03	.95
580-48680SC	48680SC	C	68	145	1.8	9	33	1	1.17	1.03	.95
580-48101SC	48101SC	C	100	200	1.6	7	20	0.8	1.17	1.03	.95
580-48151SC	48151SC	C	150	280	1.35	6	23	0.8	1.17	1.03	.95
580-48331SC	48331SC	C	330	630	0.85	5	22	0.8	1.17	1.03	.95
580-48471SC	48471SC	C	470	900	0.76	4	20	0.8	1.17	1.03	.95
580-48681SC	48681SC	C	680	1250	0.66	4	18	0.8	1.17	1.03	.95
580-48102SC	48102SC	C	1000	1850	0.52	4	17	0.8	1.17	1.03	.95

4900S Series - Power

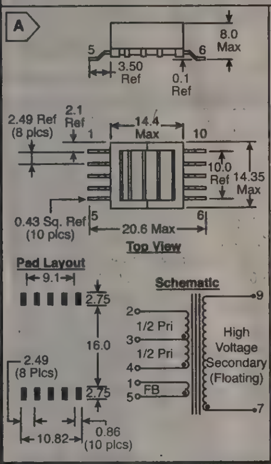
- Dimension: A=8.0mm
- Integral EMI shield

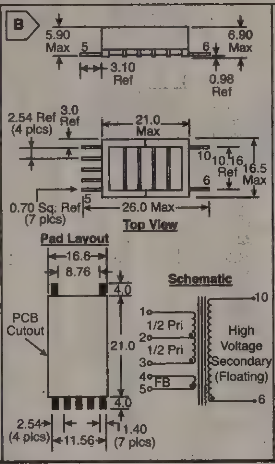
For quantities of 50 and up, call for quote.

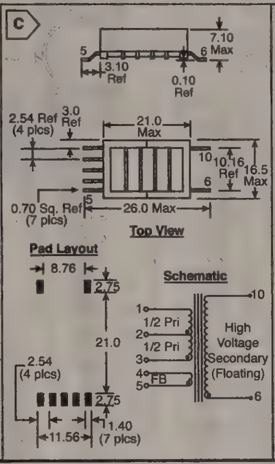
MOUSER STOCK NO.	C&D Part No.	Fig.	L (µH)	Rdc Max. (mΩ)	Idc Max. (A)	SRF Typ (MHz)	Q Factor Typ		Price Each		
							Q	@ f (MHz)	1	5	10
580-491R0SC	491R0SC	C	1.0	5	11.8	91	32	1	1.56	1.37	1.27
580-493R3SC	493R3SC	C	3.3	10	8.4	37	42	1	1.56	1.37	1.27
580-494R7SC	494R7SC	C	4.7	12	7.7	32	42	1	1.56	1.37	1.27
580-496R8SC	496R8SC	C	6.8	16	6.2	24	43	1	1.56	1.37	1.27
580-49100SC	49100SC	C	10	21	5.1	19	43	1	1.56	1.37	1.27
580-49150SC	49150SC	C	15	27	4.4	16	44	1	1.56	1.37	1.27
580-49330SC	49330SC	C	33	60	2.9	10	51	1	1.56	1.37	1.27
580-49470SC	49470SC	C	47	100	2.3	9	52	1	1.56	1.37	1.27
580-49680SC	49680SC	C	68	143	2.0	7	47	1	1.56	1.37	1.27
580-49101SC	49101SC	C	100	165	1.6	6	40	0.8	1.56	1.37	1.27
580-49151SC	49151SC	C	150	250	1.3	5	35	0.8	1.56	1.37	1.27
580-49331SC	49331SC	C	330	550	0.90	4	33	0.8	1.56	1.37	1.27
580-49471SC	49471SC	C	470	810	0.75	4	37	0.8	1.56	1.37	1.27
580-49681SC	49681SC	C	680	1200	0.62	3	27	0.8	1.56	1.37	1.27
580-49102SC	49102SC	C	1000	1500	0.50	3	26	0.8	1.56	1.37	1.27

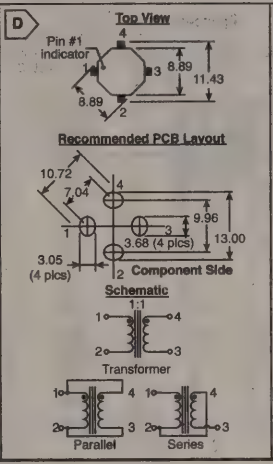
RoHS Compliant This page of product is compliant.

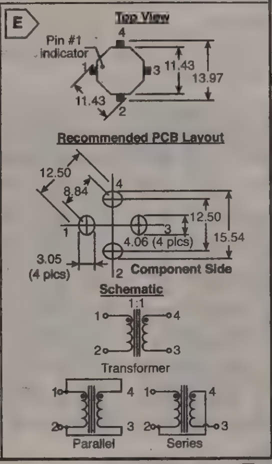
DIMENSIONS: mm


A
8.0 Max
5
6
3.50 Ref
0.1 Ref
2.49 Ref (8 plcs)
2.1 Ref
14.4 Max
1
10
10.0 Ref
14.35 Max
0.43 Sq. Ref (10 plcs)
5
6
20.6 Max
Top View
Pad Layout
9.1
2.75
16.0
2.49 (8 Plcs)
2.75
10.82
0.86 (10 plcs)
Schematic
2
3
4
1
5
1/2 Pri
1/2 Pri
FB
High Voltage Secondary (Floating)
9
7


B
5.90 Max
5
6
6.90 Max
3.10 Ref
0.98 Ref
2.54 Ref (4 plcs)
3.0 Ref
21.0 Max
10
10.16 Ref
16.5 Max
6
0.70 Sq. Ref (7 plcs)
5
26.0 Max
Top View
Pad Layout
16.6
8.76
4.0
PCB Cutout
21.0
4.0
2.54 (4 plcs)
11.56
1.40 (7 plcs)
Schematic
1
2
3
4
5
1/2 Pri
1/2 Pri
FB
High Voltage Secondary (Floating)
10
6


C
7.10 Max
5
6
3.10 Ref
0.10 Ref
2.54 Ref (4 plcs)
3.0 Ref
21.0 Max
10
10.16 Ref
16.5 Max
6
0.70 Sq. Ref (7 plcs)
5
26.0 Max
Top View
Pad Layout
8.76
2.75
21.0
2.54 (4 plcs)
2.75
11.56
1.40 (7 plcs)
Schematic
1
2
3
4
5
1/2 Pri
1/2 Pri
FB
High Voltage Secondary (Floating)
10
6


D
Top View
Pin #1 indicator
4
3
8.89
11.43
8.89
2
Recommended PCB Layout
10.72
7.04
4
1
3
3.68 (4 plcs)
9.96
13.00
3.05 (4 plcs)
2
Component Side
Schematic
1:1
1
4
2
3
Transformer
1
4
2
3
Parallel
1
4
2
3
Series


E
Top View
Pin #1 indicator
4
3
11.43
13.97
11.43
2
Recommended PCB Layout
12.50
8.84
4
1
3
4.06 (4 plcs)
12.50
15.54
3.05 (4 plcs)
2
Component Side
Schematic
1:1
1
4
2
3
Transformer
1
4
2
3
Parallel
1
4
2
3
Series

COLD CATHODE FLUORESCENT LAMP INVERTER TRANSFORMERS

Specifications:

- Transformers for use in CCFL power supplies
- Supply output current up to 30 milli-Amps
- Frequency range from 40 to 80 KHz
- Deliver output power from 2.5 to 14 Watts
- Ferrite core material
- Operating ambient temperature range: 0°C to +70°C

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Pout (Watts)	Lp (µH)	DCRp Max	DCRs Ω Max	TR Ns/Np	Vpri (VDC Max)	Vsec (VDC Max)	Is (A Max)	Price Each 1	10	25	50
704-CTX210659-R	CTX210659-R	A	2.5	19	0.190	285	100	13	1340	0.005	7.56	6.86	6.49	5.99
704-CTX210655-R	CTX210655-R	A	2.5	43	0.220	285	67	20	1340	0.005	7.56	6.86	6.49	5.99
704-CTX110607-R	CTX110607-R	B	6.0	27	0.132	176	86	15	1340	0.011	7.56	6.86	6.49	5.99
704-CTX210607-R	CTX210607-R	B	6.0	27	0.132	176	86	15	1340	0.011	7.56	6.86	6.49	5.99
704-CTX110605-R	CTX110605-R	C	6.0	44	0.160	176	67	20	1340	0.011	7.56	6.86	6.49	5.99
704-CTX210603-R	CTX210603-R	C	6.0	44	0.160	132	50	26	1340	0.011	7.56	6.86	6.49	5.99
704-CTX210605-R	CTX210605-R	C	6.0	44	0.160	176	67	20	1340	0.011	7.56	6.86	6.49	5.99

POWER INDUCTORS AND TRANSFORMERS

Specifications:

- OCTA-PAC's are designed around high frequency, low loss MPP core material
- ECONO-PAC's are a lower cost version of OCTA-PAC's offering high saturation flux density, Powder Iron core material
- OCTA-PAC PLUS's offer higher current ratings and higher saturation flux densities than OCTA-PAC and ECONO-PAC, Amorphous metal core material
- Secure 4 terminal mounting
- Inductor more versatile inductance combination by series or parallel connections
- Operating ambient temperature range: -40°C to +85°C

Applications:

- Computer and portable power devices
- LCD panels, DVD players
- Inductor: DC-DC converters
- Buck, boost, forward, and resonant converters
- Noise filtering and filter chokes
- Transformers: 1:1 300VDC isolation, flyback, sepic

RoHS Compliant

OCTA-PAC®

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Parallel Ratings Open Circuit Inductance	Full Load Inductance	Full Load Current (A)	DCR (Ω)	Series Ratings Open Circuit Inductance	Full Load Inductance	Full Load Current (A)	DCR (Ω)	Price Each 1	50	100	500
704-CTX10-1-R	CTX10-1-R	D	10.0	4.85	1.90	0.440	40.0	19.40	0.95	0.176	5.60	3.73	3.39	3.08
704-CTX20-1-R	CTX20-1-R	D	19.6	11.54	1.00	0.146	78.4	46.15	0.50	0.583	5.60	3.73	3.39	3.08
704-CTX50-1-R	CTX50-1-R	D	50.63	29.34	0.64	0.365	202.5	117.38	0.32	1.461	5.93	3.95	3.59	3.26
704-CTX100-1-R	CTX100-1-R	D	99.23	58.72	0.44	0.784	396.9	234.88	0.22	3.137	5.93	3.95	3.59	3.26
704-CTX5-2-R	CTX5-2-R	D	4.70	2.66	3.0	0.021	18.80	10.65	1.50	0.084	6.15	4.10	3.73	3.39
704-CTX10-2-R	CTX10-2-R	D	10.58	5.18	2.5	0.031	42.30	20.72	1.25	0.125	6.78	4.52	4.11	3.74
704-CTX20-2-R	CTX20-2-R	D	20.79	12.36	1.3	0.107	82.91	49.46	0.65	0.429	6.78	4.52	4.11	3.74
704-CTX33-2-R	CTX33-2-R	D	31.77	15.90	1.4	0.105	127.09	63.59	0.70	0.420	6.78	4.52	4.11	3.74
704-CTX50-2-R	CTX50-2-R	D	51.18	28.79	0.92	0.210	204.73	115.16	0.46	0.839	7.20	4.80	4.36	3.96
704-CTX100-2-R	CTX100-2-R	D	99.45	57.45	0.62	0.457	397.81	229.79	0.32	1.828	7.20	4.80	4.36	3.96
704-CTX33-3-R	CTX33-3-R	E	32.86	19.69	0.96	0.083	131.42	78.77	0.48	0.331	6.95	4.63	4.21	3.83
704-CTX5-4-R	CTX5-4-R	E	4.90	2.59	4.4	0.014	19.60	10.37	2.2	0.056	6.36	4.24	3.85	3.50
704-CTX10-4-R	CTX10-4-R	E	9.60	4.82	3.4	0.019	38.42	19.28	1.7	0.078	7.07	4.71	4.28	3.89
704-CTX15-4-R	CTX15-4-R	E	14.16	6.76	3.0	0.024	56.64	27.03	1.5	0.096	7.07	4.71	4.28	3.89
704-CTX20-4-R	CTX20-4-R	E	19.60	10.68	2.1	0.055	78.40	42.73	1.05	0.220	7.07	4.71	4.28	3.89
704-CTX33-4-R	CTX33-4-R	E	33.12	16.82	1.8	0.072	132.5	67.27	0.90	0.287	7.07	4.71	4.28	3.89
704-CTX50-4-R	CTX50-4-R	E	50.18	25.03	1.5	0.111	200.7	100.11	0.75	0.443	7.43	4.95	4.50	4.09
704-CTX100-4-R	CTX100-4-R	E	99.23	54.46	0.92	0.302	396.9	218.25	0.46	1.210	7.43	4.95	4.50	4.09
704-CTX150-4-R	CTX150-4-R	E	148.23	77.17	0.82	0.372	592.9	308.69	0.41	1.488	7.43	4.95	4.50	4.09
704-CTX300-4-R	CTX300-4-R	E	298.12	147.92	0.62	0.672	1192.46	591.66	0.31	2.687	7.43	4.95	4.50	4.09

ECONO-PAC®

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Parallel Ratings Open Circuit Inductance	Full Load Inductance	Full Load Current (A)	DCR (Ω)	Series Ratings Open Circuit Inductance	Full Load Inductance	Full Load Current (A)	DCR (Ω)	Price Each 1	50	100	500
704-CTX10-1P-R	CTX10-1P-R	D	9.62	6.23	1.70	0.057	38.48	24.94	0.85	0.227	3.23	2.15	1.95	1.77
704-CTX100-1P-R	CTX100-1P-R	D	99.01	63.64	0.54	0.557	396.06	254.55	0.27	2.227	3.23	2.15	1.95	1.77
704-CTX10-2P-R	CTX10-2P-R	D	9.83	6.73	2.1	0.045	39.30	26.92	1.05	0.179	3.86	2.57	2.34	2.13
704-CTX20-2P-R	CTX20-2P-R	D	19.56	13.37	1.5	0.097	78.34	53.48	0.75	0.387	3.86	2.57	2.34	2.13
704-CTX33-2P-R	CTX33-2P-R	D	32.67	21.29	1.3	0.126	130.7	85.17	0.65	0.503	3.86	2.57	2.34	2.13
704-CTX10-4P-R	CTX10-4P-R	E	9.88	6.70	2.5	0.047	39.53	29.76	1.25	0.187	3.86	2.57	2.34	2.13
704-CTX50-4P-R	CTX50-4P-R	E	48.80	32.21	1.2	0.201	195.2	128.83	0.60	0.805	3.86	2.57	2.34	2.13
704-CTX68-4P-R	CTX68-4P-R	E	67.37	43.04	1.1	0.238	269.5	172.16	0.55	0.952	3.86	2.57	2.34	2.13

OCTA-PAC® PLUS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (µH)	Parallel Ratings Open Circuit Inductance	Full Load Current (A)	Saturation Current (A)	DCR (mΩ@20°C) (Typical)	Volt/µSec (Typical)	Series Ratings Open Circuit Inductance	Full Load Current (A)	Saturation Current (A)	DCR (mΩ@20°C) (Typical)	Volt/µSec (Typical)	Price Each 1	10	50	100
704-CTX10-4A-R	CTX10-4A-R	E	10	10.53	4.09	4.67	0.020	5.40	42.11	2.05	2.33	0.081	10.8	5.87	3.91	3.55	3.23
704-CTX25-4A-R	CTX25-4A-R	E	25	25.14	2.65	3.02	0.048	8.34	100.51	1.32	1.51	0.193	16.7	5.87	3.91	3.55	3.23

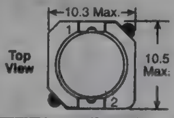
COILTRONICS Low Profile Power Inductors

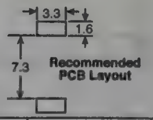
RoHS Compliant **This page of product is compliant.**

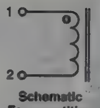
DR1030 SERIES

Features:
- 125°C maximum total temperature operation
- 10.3mm x 10.5mm x 3.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

Specifications:
- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.







DIMENSIONS: mm

RoHS Compliant

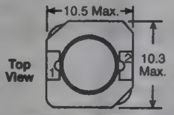
For quantities of 1000 and up, call for quote.

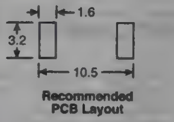
MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	10	100	500
704-DR1030-1R1-R	DR1030-1R1-R	1.1	1.1	7.0	9.50	6.5	7.9	22	2.16	1.44	1.31	1.19
704-DR1030-1R8-R	DR1030-1R8-R	1.8	1.9	5.9	7.41	9.1	11.0	17	2.16	1.44	1.31	1.19
704-DR1030-2R8-R	DR1030-2R8-R	2.8	2.8	5.1	6.08	12.1	14.5	14	2.16	1.44	1.31	1.19
704-DR1030-3R9-R	DR1030-3R9-R	3.9	4.0	4.3	5.13	16.4	20.0	12	2.16	1.44	1.31	1.19
704-DR1030-5R2-R	DR1030-5R2-R	5.2	5.2	3.7	4.75	22.9	27.5	10	2.16	1.44	1.31	1.19
704-DR1030-6R8-R	DR1030-6R8-R	6.8	6.8	3.5	3.90	24.9	30.0	9.0	2.16	1.44	1.31	1.19
704-DR1030-8R2-R	DR1030-8R2-R	8.2	8.4	3.3	3.54	28.4	34.1	8.0	2.16	1.44	1.31	1.19
704-DR1030-100-R	DR1030-100-R	10	10.4	2.8	3.18	40.2	48.0	7.0	2.16	1.44	1.31	1.19
704-DR1030-150-R	DR1030-150-R	15	14.8	2.3	2.66	57.3	68.8	6.0	2.16	1.44	1.31	1.19
704-DR1030-220-R	DR1030-220-R	22	22.8	1.8	2.19	95.5	114.6	4.5	2.16	1.44	1.31	1.19
704-DR1030-330-R	DR1030-330-R	33	32.4	1.6	1.81	113.6	136.3	4.0	2.16	1.44	1.31	1.19
704-DR1030-470-R	DR1030-470-R	47	47.9	1.3	1.52	166.6	200.0	3.4	2.16	1.44	1.31	1.19
704-DR1030-680-R	DR1030-680-R	68	66.6	1.1	1.24	253.1	303.7	2.9	2.16	1.44	1.31	1.19
704-DR1030-101-R	DR1030-101-R	100	100.0	0.86	1.05	375.0	450.0	2.4	2.16	1.44	1.31	1.19
704-DR1030-151-R	DR1030-151-R	150	155.3	0.68	0.86	590.0	700.0	1.4	2.16	1.44	1.31	1.19

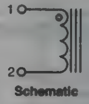
DR1040 SERIES

Features:
- 125°C maximum total temperature operation
- 10.3mm x 10.5mm x 4.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

Specifications:
- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.







DIMENSIONS: mm

RoHS Compliant

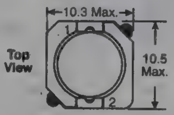
For quantities of 1000 and up, call for quote.

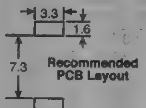
MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	50	100	500
704-DR1040-1R5-R	DR1040-1R5-R	1.5	1.4	6.5	10	6	8.1	15.48	2.16	1.44	1.31	1.19
704-DR1040-2R5-R	DR1040-2R5-R	2.5	2.4	6.1	7.8	7	9	12.04	2.16	1.44	1.31	1.19
704-DR1040-3R8-R	DR1040-3R8-R	3.8	3.6	5.5	6.4	9.6	13	9.85	2.16	1.44	1.31	1.19
704-DR1040-5R2-R	DR1040-5R2-R	5.2	5.2	5.4	5.5	14	17	8.33	2.16	1.44	1.31	1.19
704-DR1040-7R0-R	DR1040-7R0-R	7.0	6.8	4.5	4.8	17	20	7.22	2.16	1.44	1.31	1.19
704-DR1040-8R2-R	DR1040-8R2-R	8.2	8.1	3.98	4.6	24	29	6.37	2.16	1.44	1.31	1.19
704-DR1040-100-R	DR1040-100-R	10	9.6	3.8	4.4	26	35	5.70	2.16	1.44	1.31	1.19
704-DR1040-150-R	DR1040-150-R	15	14.9	3.1	3.6	37	50	4.71	2.16	1.44	1.31	1.19
704-DR1040-220-R	DR1040-220-R	22	21.1	2.5	2.9	54	73	4.01	2.16	1.44	1.31	1.19
704-DR1040-330-R	DR1040-330-R	33	32.6	2.2	2.45	69	93	3.28	2.16	1.44	1.31	1.19
704-DR1040-470-R	DR1040-470-R	47	45.8	1.9	2.10	95	128	2.78	2.16	1.44	1.31	1.19
704-DR1040-680-R	DR1040-680-R	68	65.3	1.42	1.65	152	183	2.30	2.16	1.44	1.31	1.19
704-DR1040-820-R	DR1040-820-R	82	86.8	1.29	1.47	214	260	2.04	2.16	1.44	1.31	1.19
704-DR1040-101-R	DR1040-101-R	100	101.4	1.25	1.35	225	304	1.90	2.16	1.44	1.31	1.19
704-DR1040-151-R	DR1040-151-R	150	148.3	0.85	1.15	356	430	1.57	2.16	1.44	1.31	1.19
704-DR1040-221-R	DR1040-221-R	220	216.2	0.70	0.92	530	640	1.27	2.16	1.44	1.31	1.19
704-DR1040-331-R	DR1040-331-R	330	323.4	0.52	0.70	810	1090	1.03	2.16	1.44	1.31	1.19

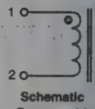
DR1050 SERIES

Features:
- 125°C maximum total temperature operation
- 10.3mm x 10.5mm x 5.0mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

Specifications:
- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.







DIMENSIONS: mm

RoHS Compliant

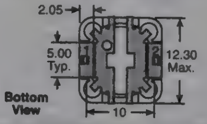
For quantities of 500 and up, call for quote.

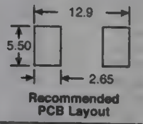
MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	10	50	100
704-DR1050-R80-R	DR1050-R80-R	0.8	0.70	9.70	13.5	3.2	4.0	20.47	2.16	1.44	1.31	1.19
704-DR1050-1R5-R	DR1050-1R5-R	1.5	1.37	8.60	10.5	4.0	5.0	14.62	2.16	1.44	1.31	1.19
704-DR1050-2R2-R	DR1050-2R2-R	2.2	2.27	7.52	9.25	5.6	6.8	11.37	2.16	1.44	1.31	1.19
704-DR1050-8R2-R	DR1050-8R2-R	8.2	8.09	5.24	5.00	15.1	19.0	6.02	2.16	1.44	1.31	1.19
704-DR1050-100-R	DR1050-100-R	10	10.1	4.80	4.58	18.0	22.5	5.39	2.16	1.44	1.31	1.19
704-DR1050-150-R	DR1050-150-R	15	14.8	3.80	3.70	26.0	32.5	4.45	2.16	1.44	1.31	1.19
704-DR1050-220-R	DR1050-220-R	22	23.5	3.12	3.00	38.7	48.4	3.53	2.16	1.44	1.31	1.19
704-DR1050-330-R	DR1050-330-R	33	34.3	2.56	2.50	57.5	71.9	2.92	2.16	1.44	1.31	1.19
704-DR1050-470-R	DR1050-470-R	47	47.1	2.06	2.10	89.0	111	2.50	2.16	1.44	1.31	1.19
704-DR1050-560-R	DR1050-560-R	56	56.7	1.96	1.94	98.0	123	2.27	2.16	1.44	1.31	1.19
704-DR1050-680-R	DR1050-680-R	68	67.2	1.84	1.70	111	139	2.09	2.16	1.44	1.31	1.19
704-DR1050-101-R	DR1050-101-R	100	97.5	1.52	1.45	164	205	1.73	2.16	1.44	1.31	1.19
704-DR1050-151-R	DR1050-151-R	150	149.2	1.26	1.15	238	298	1.40	2.16	1.44	1.31	1.19
704-DR1050-221-R	DR1050-221-R	220	221.8	1.00	0.98	377	472	1.15	2.16	1.44	1.31	1.19
704-DR1050-331-R	DR1050-331-R	330	320.6	0.83	0.80	554	693	0.96	2.16	1.44	1.31	1.19
704-DR1050-391-R	DR1050-391-R	390	396.5	0.76	0.72	648	810	0.86	2.16	1.44	1.31	1.19

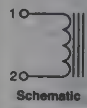
DR124 SERIES

Features:
- 125°C maximum total temperature operation
- 12.3mm x 12.3mm x 4.5mm shielded drum core
- Ferrite core material
- Frequency Range up to 1MHz

Specifications:
- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.







DIMENSIONS: mm

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	DCR (mΩ @ 20°C) (Max.)	K-Factor	Price Each			
									1	50	100	500
704-DR124-2R2-R	DR124-2R2-R	2.2	2.04	9.1	11.45	5.92	7.1	7.96	1.85	1.23	1.12	1.02
704-DR124-4R7-R	DR124-4R7-R	4.7	4.88	5.5	7.65	13.50	16.2	5.15	1.85	1.23	1.12	1.02
704-DR124-100-R	DR124-100-R	10	8.94	4.5	5.80	23.33	28.0	3.81	1.85	1.23	1.12	1.02
704-DR124-120-R	DR124-120-R	12	11.5	4.1	4.96	31.67	38.0	3.5	1.85	1.23	1.12	1.02
704-DR124-150-R	DR124-150-R	15	14.2	3.6	4.62	37.30	44.8	3.02	1.85	1.23	1.12	1.02
704-DR124-221-R	DR124-221-R	220	216	1.0	1.15	558	669.6	0.77	1.85	1.23	1.12	1.02

COILTRONICS Shielded Power Inductors

RoHS Compliant **This page of product is compliant.**

DR SERIES - HIGH POWER DENSITY, HIGH EFFIFIENCY, SHIELDED INDUCTORS

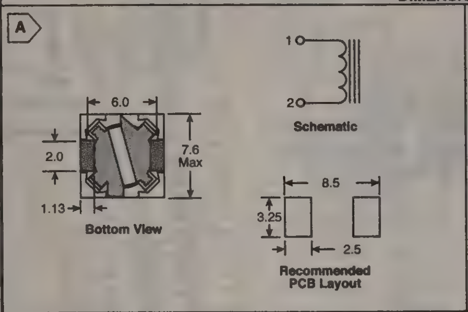
Features:
- 125°C maximum total temperature operation
- Four sizes of shielded drum core inductors
- Ferrite core material
- Magnetic shielding
- Secure mounting

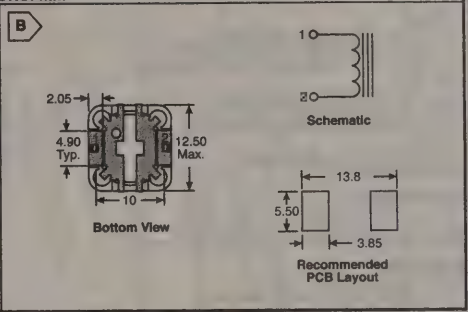
RoHS Compliant

Specifications:
- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.

Applications:
- Computer, DVD players, and portable power devices
- LCD panels
- DC-DC converters
- Buck, boost, forward, and resonant converters
- Noise filtering and filter chokes

DIMENSIONS: mm





For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Coiltronics Part No.	Fig.	Rated Inductance (μH)	OCL (μH) ±30%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	Price Each			
									1	50	100	500
704-DR73-R33-R	DR73-R33-R	A	0.33	0.306	6.21	14.4	0.0073	1.98	1.57	1.25	1.06	.88
704-DR73-1R0-R	DR73-1R0-R	A	1.0	0.992	5.28	7.97	0.0102	3.56	1.57	1.25	1.06	.88
704-DR73-1R5-R	DR73-1R5-R	A	1.5	1.48	4.67	6.52	0.0130	4.36	1.57	1.25	1.06	.88
704-DR73-2R2-R	DR73-2R2-R	A	2.2	2.07	4.15	5.52	0.0165	5.15	1.57	1.25	1.06	.88
704-DR73-3R3-R	DR73-3R3-R	A	3.3	3.54	3.31	4.22	0.0259	6.73	1.57	1.25	1.06	.88
704-DR73-4R7-R	DR73-4R7-R	A	4.7	4.42	3.09	3.78	0.0297	7.52	1.57	1.25	1.06	.88
704-DR73-6R8-R	DR73-6R8-R	A	6.8	6.48	2.55	3.12	0.0435	9.11	1.57	1.25	1.06	.88
704-DR73-8R2-R	DR73-8R2-R	A	8.2	8.93	2.19	2.66	0.0592	10.7	1.57	1.25	1.06	.88
704-DR73-100-R	DR73-100-R	A	10	10.30	2.08	2.47	0.0656	11.5	1.57	1.25	1.06	.88
704-DR73-150-R	DR73-150-R	A	15	15.01	1.83	2.05	0.0844	13.9	1.57	1.25	1.06	.88
704-DR73-220-R	DR73-220-R	A	22	22.65	1.62	1.67	0.107	17.0	1.57	1.25	1.06	.88
704-DR73-330-R	DR73-330-R	A	33	34.41	1.31	1.35	0.166	21.0	1.57	1.25	1.06	.88
704-DR73-470-R	DR73-470-R	A	47	48.62	1.08	1.14	0.241	24.9	1.57	1.25	1.06	.88
704-DR73-101-R	DR73-101-R	A	100	101.4	0.73	0.79	0.527	36.0	1.57	1.25	1.06	.88
704-DR73-151-R	DR73-151-R	A	150	150.9	0.58	0.65	0.851	44.0	1.57	1.25	1.06	.88
704-DR73-221-R	DR73-221-R	A	220	223.3	0.52	0.53	1.05	53.5	1.57	1.25	1.06	.88
704-DR73-331-R	DR73-331-R	A	330	325.5	0.42	0.44	1.59	64.5	1.57	1.25	1.06	.88
704-DR74-R33-R	DR74-R33-R	A	0.33	0.294	6.26	18.4	0.0074	1.71	1.61	1.46	1.25	1.09
704-DR74-1R0-R	DR74-1R0-R	A	1.0	0.952	5.39	10.2	0.0099	3.08	1.61	1.46	1.25	1.09
704-DR74-1R5-R	DR74-1R5-R	A	1.5	1.42	4.94	8.35	0.0118	3.76	1.61	1.46	1.25	1.09
704-DR74-2R2-R	DR74-2R2-R	A	2.2	1.98	4.76	7.06	0.0126	4.45	1.61	1.46	1.25	1.09
704-DR74-3R3-R	DR74-3R3-R	A	3.3	3.39	3.94	5.40	0.0183	5.81	1.61	1.46	1.25	1.09
704-DR74-4R7-R	DR74-4R7-R	A	4.7	5.18	3.34	4.37	0.0254	7.18	1.61	1.46	1.25	1.09
704-DR74-6R8-R	DR74-6R8-R	A	6.8	7.34	2.60	3.67	0.0418	8.55	1.61	1.46	1.25	1.09
704-DR74-8R2-R	DR74-8R2-R	A	8.2	8.56	2.53	3.40	0.0441	9.23	1.61	1.46	1.25	1.09
704-DR74-100-R	DR74-100-R	A	10	9.88	2.41	3.17	0.0489	9.92	1.61	1.46	1.25	1.09
704-DR74-150-R	DR74-150-R	A	15	16.09	2.11	2.48	0.0637	12.7	1.61	1.46	1.25	1.09
704-DR74-220-R	DR74-220-R	A	22	21.73	1.75	2.13	0.0925	14.7	1.61	1.46	1.25	1.09
704-DR74-330-R	DR74-330-R	A	33	33.01	1.41	1.73	0.143	18.1	1.61	1.46	1.25	1.09
704-DR74-470-R	DR74-470-R	A	47	49.64	1.15	1.41	0.216	22.2	1.61	1.46	1.25	1.09
704-DR74-680-R	DR74-680-R	A	68	69.67	1.03	1.19	0.265	26.3	1.61	1.46	1.25	1.09
704-DR74-101-R	DR74-101-R	A	100	101.6	0.86	0.99	0.383	31.8	1.61	1.46	1.25	1.09
704-DR74-151-R	DR74-151-R	A	150	150.0	0.69	0.81	0.591	38.6	1.61	1.46	1.25	1.09
704-DR74-221-R	DR74-221-R	A	220	227.0	0.56	0.66	0.907	47.5	1.61	1.46	1.25	1.09
704-DR74-331-R	DR74-331-R	A	330	335.6	0.45	0.54	1.41	57.8	1.61	1.46	1.25	1.09
704-DR125-R47-R	DR125-R47-R	B	0.47	0.456	17.6	33.0	0.0018	3.17	1.66	1.54	1.25	1.16
704-DR125-1R0-R	DR125-1R0-R	B	1.0	0.894	15.0	23.6	0.0024	4.43	1.66	1.54	1.25	1.16
704-DR125-1R5-R	DR125-1R5-R	B	1.5	1.47	13.8	18.3	0.0029	5.70	1.66	1.54	1.25	1.16
704-DR125-2R2-R	DR125-2R2-R	B	2.2	2.21	10.9	15.0	0.0045	6.97	1.66	1.54	1.25	1.16
704-DR125-3R3-R	DR125-3R3-R	B	3.3	3.08	9.26	12.7	0.0063	8.23	1.66	1.54	1.25	1.16
704-DR125-4R7-R	DR125-4R7-R	B	4.7	5.27	7.18	9.71	0.0105	10.8	1.66	1.54	1.25	1.16
704-DR125-6R8-R	DR125-6R8-R	B	6.8	6.58	6.64	8.68	0.0123	12.0	1.66	1.54	1.25	1.16
704-DR125-8R2-R	DR125-8R2-R	B	8.2	8.04	5.54	7.86	0.0176	13.3	1.66	1.54	1.25	1.16
704-DR125-100-R	DR125-100-R	B	10	9.65	5.35	7.17	0.0189	14.6	1.66	1.54	1.25	1.16
704-DR125-150-R	DR125-150-R	B	15	15.35	4.27	5.69	0.0298	18.4	1.66	1.54	1.25	1.16
704-DR125-220-R	DR125-220-R	B	22	22.36	3.70	4.71	0.0396	22.2	1.66	1.54	1.25	1.16
704-DR125-330-R	DR125-330-R	B	33	33.74	3.28	3.84	0.0505	27.2	1.66	1.54	1.25	1.16
704-DR125-470-R	DR125-470-R	B	47	47.47	2.71	3.24	0.0740	32.3	1.66	1.54	1.25	1.16
704-DR125-680-R	DR125-680-R	B	68	67.91	2.22	2.70	0.101	38.6	1.66	1.54	1.25	1.16
704-DR125-101-R	DR125-101-R	B	100	102.7	1.78	2.20	0.170	47.5	1.66	1.54	1.25	1.16
704-DR125-151-R	DR125-151-R	B	150	151.1	1.48	1.81	0.248	57.6	1.66	1.54	1.25	1.16
704-DR125-221-R	DR125-221-R	B	220	216.8	1.19	1.51	0.384	69.0	1.66	1.54	1.25	1.16
704-DR125-331-R	DR125-331-R	B	330	332.6	1.06	1.22	0.482	85.5	1.66	1.54	1.25	1.16
704-DR127-R47-R	DR127-R47-R	B	0.47	0.419	17.9	56.0	0.00195	3.5	1.87	1.56	1.16	1.01
704-DR127-1R0-R	DR127-1R0-R	B	1.0	0.821	15.5	40.0	0.00313	4.9	1.87	1.56	1.16	1.01
704-DR127-1R5-R	DR127-1R5-R	B	1.5	1.35	13.5	31.1	0.00341	6.3	1.87	1.56	1.16	1.01
704-DR127-2R2-R	DR127-2R2-R	B	2.2	2.02	12.5	25.5	0.00402	7.7	1.87	1.56	1.16	1.01
704-DR127-3R3-R	DR127-3R3-R	B	3.3	2.83	10.5	21.5	0.00567	9.1	1.87	1.56	1.16	1.01
704-DR127-4R7-R	DR127-4R7-R	B	4.7	4.84	8.25	16.5	0.00917	11.9	1.87	1.56	1.16	1.01
704-DR127-6R8-R	DR127-6R8-R	B	6.8	7.38	7.34	13.3	0.0116	14.7	1.87	1.56	1.16	1.01
704-DR127-8R2-R	DR127-8R2-R	B	8.2	8.86	6.32	12.2	0.0157	16.1	1.87	1.56	1.16	1.01
704-DR127-100-R	DR127-100-R	B	10	10.47	6.04	11.2	0.0172	17.5	1.87	1.56	1.16	1.01
704-DR127-150-R	DR127-150-R	B	15	14.09	5.03	9.66	0.0247	20.3	1.87	1.56	1.16	1.01
704-DR127-220-R	DR127-220-R	B	22	22.93	4.00	7.57	0.0391	25.9	1.87	1.56	1.16	1.01
704-DR127-330-R	DR127-330-R	B	33	33.92	3.23	6.22	0.060	31.5	1.87	1.56	1.16	1.01
704-DR127-470-R	DR127-470-R	B	47	47.05	2.95	5.28	0.0719	37.1	1.87	1.56	1.16	1.01
704-DR127-680-R	DR127-680-R	B	68	66.48	2.44	4.44	0.105	44.1	1.87	1.56	1.16	1.01
704-DR127-101-R	DR127-101-R	B	100	99.31	1.96	3.94	0.163	53.9	1.87	1.56	1.16	1.01
704-DR127-151-R	DR127-151-R	B	150	144.9	1.59	3.01	0.247	65.1	1.87	1.56	1.16	1.01
704-DR127-221-R	DR127-221-R	B	220	221.5	1.29	2.43	0.376	80.5	1.87	1.56	1.16	1.01
704-DR127-331-R	DR127-331-R	B	330	323.6	1.04	2.01	0.574	97.3	1.87	1.56	1.16	1.01
704-DR127-102-R	DR127-102-R	B	1000	1005	0.61	1.14	1.66	172	1.87	1.56	1.16	1.01

COILTRONICS Dual Winding Shielded Power Inductors

RoHS Compliant This page of product is compliant.

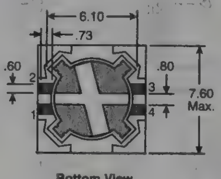
DUAL WINDING, SHIELDED POWER INDUCTOR/TRANSFORMERS

DIMENSIONS: mm

Features:
- 125°C maximum total temperature operation
- Dual winding inductors that can be used as either a single inductor or in a coupled inductor/transformer application
- Four sizes of shielded drum core inductors
- Windings can be connected in a series or parallel, offering a broad range of inductance and current ratings
- 200VAC isolation between windings
- Ferrite core material

Specifications:
- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.

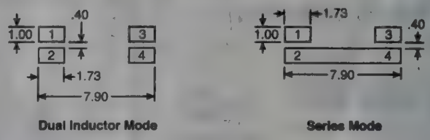
Applications:
- As a transformer: SEPIC, flyback
- As an inductor: Buck, boost, coupled inductor
- DC-DC converters
- VRM inductor for CPU and DDR power supplies
- Input and output filter chokes



Bottom View

RoHS Compliant

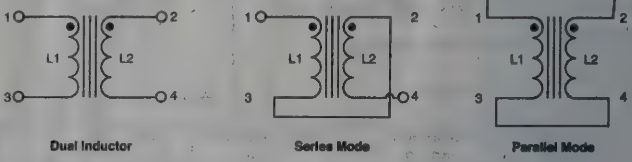
RECOMMENDED PCB LAYOUT



Dual Inductor Mode

Series Mode

SCHEMATIC



DRQ73 Series

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	Parallel Ratings					Series Ratings					Price Each			
			OCL (μH) ±20%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	OCL (μH) ±20%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	1	50	100	500
704-DRQ73-3R3-R	DRQ73-3R3-R	3.3	3.54	3.31	4.22	0.0259	6.73	14.16	1.66	2.11	0.1035	13.5	1.72	1.56	1.34	1.16
704-DRQ73-4R7-R	DRQ73-4R7-R	4.7	4.42	3.09	3.78	0.0297	7.52	17.69	1.55	1.89	0.1188	15.0	1.72	1.56	1.34	1.16
704-DRQ73-100-R	DRQ73-100-R	10	10.30	2.08	2.47	0.0656	11.5	41.2	1.04	1.24	0.2623	23.0	1.72	1.56	1.34	1.16
704-DRQ73-150-R	DRQ73-150-R	15	15.01	1.83	2.05	0.0844	13.9	60.04	0.916	1.03	0.339	27.8	1.72	1.56	1.34	1.16
704-DRQ73-220-R	DRQ73-220-R	22	22.65	1.62	1.67	0.107	17.0	90.6	0.811	0.83	0.429	34.0	1.72	1.56	1.34	1.16
704-DRQ73-330-R	DRQ73-330-R	33	34.41	1.31	1.35	0.166	21.0	137.6	0.653	0.68	0.665	42.0	1.72	1.56	1.34	1.16

DRQ74 Series

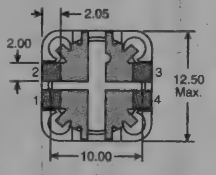
MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	Parallel Ratings					Series Ratings					Price Each			
			OCL (μH) ±20%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	OCL (μH) ±20%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	1	50	100	500
704-DRQ74-4R7-R	DRQ74-4R7-R	4.7	5.18	3.34	4.37	0.0254	7.18	20.73	1.67	2.19	0.102	14.4	1.76	1.32	1.18	.99
704-DRQ74-6R8-R	DRQ74-6R8-R	6.8	7.34	2.60	3.67	0.0418	8.55	29.38	1.30	1.84	0.167	17.1	1.76	1.32	1.18	.99
704-DRQ74-8R2-R	DRQ74-8R2-R	8.2	8.57	2.53	3.40	0.0441	9.23	34.26	1.27	1.70	0.177	18.5	1.76	1.32	1.18	.99
704-DRQ74-100-R	DRQ74-100-R	10	9.88	2.41	3.17	0.0489	9.92	39.53	1.20	1.58	0.196	19.8	1.76	1.59	1.36	1.19
704-DRQ74-150-R	DRQ74-150-R	15	16.09	2.11	2.48	0.0637	12.7	64.36	1.05	1.24	0.255	25.4	1.76	1.32	1.18	.99
704-DRQ74-220-R	DRQ74-220-R	22	21.73	1.75	2.13	0.0925	14.7	86.92	0.874	1.07	0.371	29.4	1.76	1.32	1.18	.99
704-DRQ74-330-R	DRQ74-330-R	33	33.01	1.41	1.73	0.143	18.1	132.0	0.702	0.87	0.574	36.2	1.76	1.32	1.18	.99
704-DRQ74-470-R	DRQ74-470-R	47	49.64	1.15	1.41	0.216	22.2	198.6	0.573	0.71	0.865	44.4	1.76	1.32	1.18	.99

DIMENSIONS: mm

Features:
- 125°C maximum total temperature operation
- Dual winding inductors that can be used as either a single inductor or in a coupled inductor/transformer application
- Four sizes of shielded drum core inductors
- Windings can be connected in a series or parallel, offering a broad range of inductance and current ratings
- 200VAC isolation between windings
- Ferrite core material

Specifications:
- Storage Temperature Range: -40°C to +125°C
- Operating Temperature Range: -40°C to +125°C
- Solder Reflow Temperature: +260°C max. for 10 seconds max.

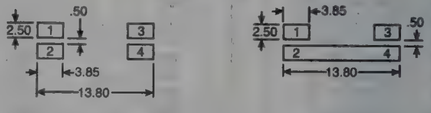
Applications:
- As a transformer: SEPIC, flyback
- As an inductor: Buck, boost, coupled inductor
- DC-DC converters
- VRM inductor for CPU and DDR power supplies
- Input and output filter chokes



Bottom View

RoHS Compliant

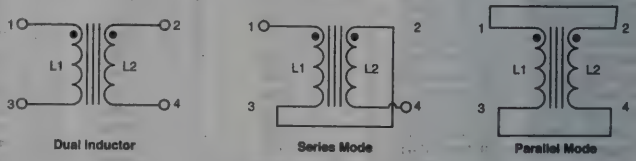
RECOMMENDED PCB LAYOUT



Dual Inductor Mode

Series Mode

SCHEMATIC



DRQ125 Series

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	Parallel Ratings					Series Ratings					Price Each			
			OCL (μH) ±20%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	OCL (μH) ±20%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	1	50	100	500
704-DRQ125-100-R	DRQ125-100-R	10	9.65	5.35	7.17	0.0189	14.6	38.62	2.67	3.59	0.0757	29.2	1.87	1.69	1.45	1.26
704-DRQ125-150-R	DRQ125-150-R	15	15.35	4.27	5.69	0.0298	18.4	61.4	2.13	2.85	0.12	36.8	1.87	1.69	1.45	1.26
704-DRQ125-220-R	DRQ125-220-R	22	22.36	3.70	4.71	0.0396	22.2	89.44	1.84	2.36	0.159	44.4	1.87	1.69	1.45	1.26
704-DRQ125-330-R	DRQ125-330-R	33	33.74	3.28	3.84	0.0505	27.2	135.0	1.64	1.92	0.203	54.4	1.87	1.69	1.45	1.26
704-DRQ125-470-R	DRQ125-470-R	47	47.47	2.71	3.24	0.074	32.3	189.9	1.35	1.62	0.297	64.6	1.87	1.69	1.45	1.26
704-DRQ125-101-R	DRQ125-101-R	100	102.7	1.78	2.20	0.17	47.5	410.8	0.892	1.10	0.682	95.0	1.87	1.69	1.45	1.26

DRQ127 Series

MOUSER STOCK NO.	Coiltronics Part No.	Rated Inductance (μH)	Parallel Ratings					Series Ratings					Price Each			
			OCL (μH) ±20%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	OCL (μH) ±20%	Irms (A)	Isat (A)	DCR (mΩ @ 20°C) (Typical)	Volt / μSec (Typical)	1	50	100	500
704-DRQ127-4R7-R	DRQ127-4R7-R	4.7	4.84	8.25	16.5	0.00917	11.9	19.36	4.13	8.24	0.0367	23.8	2.46	2.22	1.90	1.66
704-DRQ127-100-R	DRQ127-100-R	10	10.47	6.04	11.2	0.0172	17.5	41.88	3.02	5.60	0.0686	35.0	2.46	2.22	1.90	1.66
704-DRQ127-150-R	DRQ127-150-R	15	14.09	5.03	9.66	0.0247	20.3	56.36	2.51	4.83	0.099	40.6	2.46	2.22	1.90	1.66
704-DRQ127-220-R	DRQ127-220-R	22	22.93	4.00	7.57	0.0391	25.9	91.72	2.00	3.78	0.157	51.8	2.46	2.22	1.90	1.66
704-DRQ127-470-R	DRQ127-470-R	47	47.05	2.95	5.28	0.0719	37.1	188.2	1.47	2.64	0.288	74.2	2.46	2.22	1.90	1.66
704-DRQ127-680-R	DRQ127-680-R	68	66.48	2.44	4.44	0.105	44.1	265.9	1.22	2.22	0.421	88.2	2.46	2.22	1.90	1.66
704-DRQ127-101-R	DRQ127-101-R	100	99.31	1.96	3.64	0.163	53.9	397.2	0.98	1.82	0.653	107.8	2.46	2.22	1.90	1.66

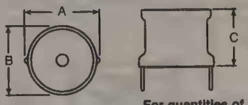
C&D TECHNOLOGIES Inductors

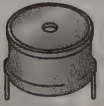
RoHS Compliant This page of product is compliant.

1400 SERIES BOBBIN INDUCTORS

Features:

- Low DC resistance
- Low temperature dependence
- Operating temperature: -40°C to +85°C
- RoHS Compliant





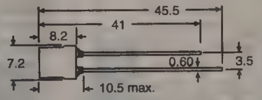
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Self Reson. Freq. MHz	Dimensions: mm			Price Each			
						A	B	C	1	5	10	25
580-1410313C	1410313C	10	.007	13	20.7	27	24.4	14	2.49	2.48	2.46	2.44
580-1422311C	1422311C	22	.011	11	9.3	27	24.4	14	2.49	2.48	2.46	2.44
580-1433393C	1433393C	33	.015	9.3	9.1	27	24.4	14	2.49	2.48	2.46	2.44
580-1447383C	1447383C	47	.019	8.3	6.0	27	24.4	18.5	2.62	2.61	2.59	2.56
580-1468362C	1468362C	68	.032	6.2	5.3	26.5	24.4	14	2.49	2.48	2.46	2.44
580-1410454C	1410454C	100	.042	5.4	4.6	26.4	24.4	14	2.49	2.48	2.46	2.44
580-1415440C	1415440C	150	.069	4.0	3.4	26.2	24.4	14	2.49	2.48	2.46	2.44
580-1422435C	1422435C	220	.096	3.5	2.8	26.1	24.4	14	2.49	2.48	2.46	2.44
580-1433428C	1433428C	330	.150	2.8	2.5	25.9	24.4	14	2.49	2.42	2.11	2.02
580-1447423C	1447423C	470	.222	2.3	2.0	25.7	24.4	14	2.49	2.48	2.46	2.44
580-1468420C	1468420C	680	.276	2.0	1.6	25.7	24.4	14	2.49	2.48	2.46	2.44
580-1410516C	1410516C	1000	.419	1.6	1.4	25.6	24.4	14	2.49	2.48	2.46	2.44

1700 SERIES RADIAL LEAD INDUCTORS

Features:

- Low DC resistance
- RoHS Compliant
- Operating temperature: 0°C to 70°C



DIMENSIONS: mm

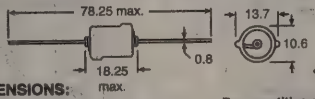
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Q @ f kHz		Nom. Self Reson. Freq. MHz	Price Each			
					Q	f		1	5	10	25
580-17103C	17103C	10	.05	1.8	40	1000	21.2	1.20	1.19	1.18	1.17
580-17153C	17153C	15	.06	1.5	30	500	19.4	1.20	1.19	1.18	1.17
580-17223C	17223C	22	.09	1.2	30	500	17.0	1.20	1.19	1.18	1.17
580-17333C	17333C	33	.13	1.0	25	500	11.4	1.20	1.19	1.18	1.17
580-17473C	17473C	47	.20	.86	25	500	10.9	1.20	1.19	1.18	1.17
580-17683C	17683C	68	.26	.85	70	100	10.6	1.20	1.19	1.18	1.17
580-17104C	17104C	100	.35	.74	65	100	8.9	1.20	1.19	1.18	1.17
580-17154C	17154C	150	.49	.58	80	100	6.2	1.20	1.19	1.18	1.17
580-17224C	17224C	220	.75	.48	90	100	5.4	1.20	1.19	1.18	1.17
580-17334C	17334C	330	1.10	.42	95	100	4.5	1.20	1.19	1.18	1.17
580-17474C	17474C	470	1.56	.34	100	100	3.2	1.20	1.19	1.18	1.17
580-17105C	17105C	1000	3.30	.19	120	100	2.5	1.20	1.19	1.18	1.17

1800 SERIES AXIAL LEAD INDUCTORS

Features:

- Low DC resistance
- RoHS Compliant
- Operating temperature: 0°C to +70°C



DIMENSIONS: mm

For quantities of 50 and up, call for quote.

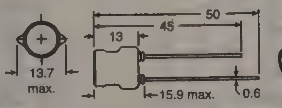
MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (mΩ)	IDC cont. (A)	Nom. Q @ f kHz		Nom. Self Reson. Freq. MHz	Price Each			
					Q	f		1	5	10	25
580-18103C	18103C	10	15	3.45	64	1000	19.0	1.42	1.41	1.40	1.39
580-18153C	18153C	15	18	3.00	55	500	15.9	1.42	1.41	1.40	1.39
580-18223C	18223C	22	25	2.42	59	500	11.8	1.42	1.41	1.40	1.39
580-18333C	18333C	33	40	2.00	48	500	11.5	1.42	1.41	1.40	1.39
580-18473C	18473C	47	55	1.65	55	500	8.5	1.42	1.41	1.40	1.39
580-18104C	18104C	100	100	1.20	40	100	7.4	1.42	1.41	1.40	1.39
580-18154C	18154C	150	165	1.10	47	100	4.4	1.42	1.41	1.40	1.39
580-18224C	18224C	220	230	.90	46	100	3.5	1.42	1.41	1.40	1.39
580-18334C	18334C	330	335	.73	58	100	3.0	1.42	1.41	1.40	1.39
580-18105C	18105C	1000	1	.44	94	50	1.6	1.42	1.41	1.40	1.39

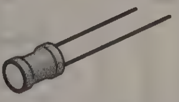
1800R SERIES RADIAL LEAD INDUCTORS

Features:

- Low DC resistance
- RoHS Compliant
- Low temperature dependence
- Operating temperature: 0°C to 70°C

DIMENSIONS: mm



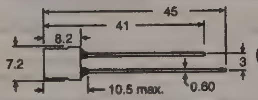


For quantities of 50 and up, call for quote.

580-18R103C	18R103C	10	15	3.45	59	500	23.8	1.42	1.41	1.40	1.39
580-18R153C	18R153C	15	18	3.00	55	500	17.0	1.42	1.41	1.40	1.39
580-18R223C	18R223C	22	25	2.42	51	500	14.1	1.42	1.41	1.40	1.39
580-18R333C	18R333C	33	40	2.00	48	500	11.5	1.42	1.41	1.40	1.39
580-18R473C	18R473C	47	55	1.65	46	500	9.85	1.42	1.41	1.40	1.39
580-18R683C	18R683C	68	70	1.35	27	100	8.29	1.42	1.41	1.40	1.39
580-18R104C	18R104C	100	100	1.20	40	100	7.4	1.42	1.41	1.40	1.39
580-18R154C	18R154C	150	165	1.10	40	100	5.58	1.42	1.41	1.40	1.39
580-18R224C	18R224C	220	230	.90	39	100	4.0	1.42	1.41	1.40	1.39
580-18R334C	18R334C	330	335	.73	49	100	3.57	1.42	1.41	1.40	1.39
580-18R474C	18R474C	470	465	.60	50	100	2.81	1.42	1.41	1.40	1.39
580-18R684C	18R684C	680	630	.53	48	100	2.43	1.42	1.41	1.40	1.39
580-18R105C	18R105C	1000	1	.44	92	50	1.82	1.42	1.41	1.40	1.39

2200R SERIES RADIAL LEAD INDUCTORS

- Low DC resistance
- Miniature size
- Low temperature dependence
- Operating temperature: -25°C to +70°C
- RoHS Compliant



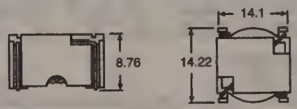
DIMENSIONS: mm

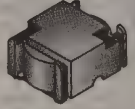
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (Ω)	IDC cont. (A)	Nom. Q @ f kHz		Nom. Self Reson. Freq. MHz	Price Each			
					Q	f		1	5	10	25
580-22R103C	22R103C	10	.05	1.62	40	1000	21.2	.59	.58	.57	.56
580-22R153C	22R153C	15	.07	1.35	30	500	19.4	.59	.58	.57	.56
580-22R223C	22R223C	22	.09	1.08	30	500	17.0	.59	.58	.57	.56
580-22R333C	22R333C	33	.14	.90	25	500	11.4	.59	.58	.57	.56
580-22R473C	22R473C	47	.22	.77	25	500	10.9	.59	.58	.57	.56
580-22R683C	22R683C	68	.28	.77	70	100	10.6	.59	.58	.57	.56
580-22R104C	22R104C	100	.39	.67	65	100	8.9	.59	.58	.57	.56
580-22R154C	22R154C	150	.54	.52	80	100	6.2	.59	.58	.57	.56
580-22R224C	22R224C	220	.83	.43	90	100	5.4	.59	.58	.57	.56
580-22R334C	22R334C	330	1.21	.38	95	100	4.5	.59	.58	.57	.56
580-22R474C	22R474C	470	1.65	.31	100	100	3.2	.59	.58	.57	.56
580-22R684C	22R684C	680	2.64	.25	105	100	3.0	.59	.58	.57	.56
580-22R105C	22R105C	1000	3.63	.17	120	100	2.5	.59	.58	.57	.56

4000 SERIES TOROIDAL SMD INDUCTORS

- 3.3µH to 330µH
- Up to 5.20A IDC
- Toroidal Construction giving Low Leakage Flux
- RoHS Compliant





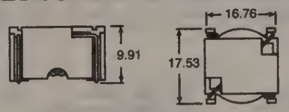
DIMENSIONS: mm

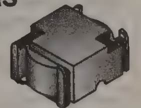
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (mΩ)	IDC Cont. (A)	Price Each			
					1	5	10	25
580-40100C	40100C	10	23	3.00	1.78	1.77	1.76	1.75
580-40220C	40220C	22	35	2.10	1.78	1.77	1.76	1.75
580-40330C	40330C	33	54	1.66	1.78	1.77	1.76	1.75
580-40470C	40470C	47	79	1.42	1.78	1.77	1.77	1.75
580-40680C	40680C	68	148	1.20	1.78	1.77	1.76	1.75
580-40101C	40101C	100	177	0.94	1.78	1.77	1.76	1.75
580-40221C	40221C	220	405	0.67	1.78	1.77	1.76	1.75
580-40331C	40331C	330	610	0.54	1.78	1.77	1.76	1.75

4100 SERIES TOROIDAL SMD INDUCTORS

- 2.7µH to 330µH
- Up to 8.10A IDC
- Toroidal Construction giving Low Leakage Flux
- RoHS Compliant





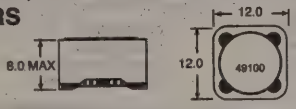
DIMENSIONS: mm

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (mΩ)	IDC Cont. (A)	Price Each			
					1	5	10	25
580-41100C	41100C	10	24	4.70	1.95	1.93	1.92	1.90
580-41220C	41220C	22	33	3.30	1.95	1.93	1.92	1.90
580-41330C	41330C	33	38	2.70	1.95	1.93	1.92	1.90
580-41101C	41101C	100	158	1.47	1.95	1.93	1.92	1.90
580-41151C	41151C	150	247	1.16	1.95	1.93	1.92	1.90
580-41221C	41221C	220	377	1.03	1.95	1.93	1.92	1.90
580-41331C	41331C	330	462	0.83	1.95	1.93	1.92	1.90

4900 SERIES, DUAL WINDING SURFACE MOUNT INDUCTORS

- Tape and reel packaging
- Integral EMI shield
- Bobbin format
- RoHS Compliant



DIMENSIONS: mm

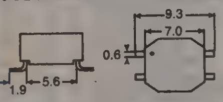
For quantities of 50 and up, call for quote.

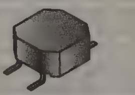
MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (mΩ)	IDC Cont. (A)	Price Each			
					1	5	10	25
580-49100C	49100C	10	41.0	4.50	.99	.98	.97	.96
580-49220C	49220C	22	81.0	3.00	.99	.98	.97	.96
580-49470C	49470C	47	191	2.10	.99	.98	.97	.96
580-49101C	49101C	100	348	1.41	.99	.98	.97	.96

5000 SERIES SURFACE MOUNT COMMON MODE CHOKES

- RoHS Compliant
- Up to 0.7A Idc
- UL94 V-O package
- .Compact size
- J_STD_020C reflow

NEW FROM SUPPLIER





DIMENSIONS: mm

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	L (µH)	RDC Max. (mΩ)	IDC Cont. (A)	Price Each			
					1	5	10	25
580-50474C	0.47	0.2	0.3	700mAdc	1.35	1.25	1.15	1.00
580-50105C	1.00	0.2	0.3	700mAdc	1.35	1.25	1.15	1.00
580-50225C	2.20	0.25	0.4	500mAdc	1.35	1.25	1.15	1.00
580-50475C	4.70	0.4	0.7	400mAdc	1.35	1.25	1.15	1.00

EPCOS Power Inductors

This page of product is compliant.

SMD Series B82789N

- Current Compensated Double Choke with Ferrite Core
- BiFilar Winding
- Lead Free Tinned Terminals

Applications:
- Automotive
- Industrial
- Telecommunications

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82789C113N2	B82789C113N2	A	11	300	.75	.64	.58	.53
871-B82789C513N2	B82789C513N2	A	51	250	.75	.64	.58	.53

SMD Chokes Series B82731T

- Current Compensated Double Choke with Closed E Core Ferrite Core
- 2 Section Winding
- High Resonant Frequency
- High Pulse Strength
- Lead spacing 10mm x 10mm
- Lead free Pin Leads

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82731T2102A20	B82731T2102A20	B	10	1	.85	.73	.66	.60
871-B82731T2132A20	B82731T2132A20	B	6.8	1.3	.85	.73	.66	.60
871-B82731T2182A20	B82731T2182A20	B	3.3	1.8	.85	.73	.66	.60
871-B82731T2801A20	B82731T2801A20	B	15	0.8	.85	.73	.66	.60

SMD Chokes Series B82732F

- Current Compensated Double Choke
- 4 Section Winding
- 14mm Height
- High Pulse Handling
- Industry best inductance/rated current ratio
- Excellent diffential mode suppression

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82732F2102A1	B82732F2102A1	C	27	1	1.99	1.63	1.34	1.12
871-B82732F2142A1	B82732F2142A1	C	15	1.4	1.99	1.63	1.34	1.12
871-B82732F2172A1	B82732F2172A1	C	10	1.7	1.99	1.63	1.34	1.12
871-B82732R2142B30	B82732R2142B30	C	10	1.4	1.99	1.49	1.27	.99
871-B82732R2172B30	B82732R2172B30	C	6.8	1.7	1.99	1.49	1.27	.99
871-B82732R2222B30	B82732R2222B30	C	3.3	2.2	1.99	1.49	1.27	.99
871-B82733F2172A1	B82733F2172A1	C	27	1.7	2.17	1.78	1.47	1.22
871-B82733F2222A1	B82733F2222A1	C	15	2.2	2.17	1.78	1.47	1.22
871-B82733F2292A1	B82733F2292A1	C	10	2.9	2.17	1.78	1.47	1.22

SMD Series B82734

- Current Compensated Double Choke with Closed Rectangular Ferrite Core
- 2 Section Winding
- Low Leakage
- High Pulse Strength
- High Resonant Frequency

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82734R2172B30	B82734R2172B30	D	27	1.7	2.65	1.99	1.70	1.35
871-B82734R2262B30	B82734R2262B30	D	10	2.6	2.65	1.99	1.70	1.35
871-B82734R2462B30	B82734R2462B30	D	3.3	4.6	2.65	1.99	1.70	1.35

RING CORE DOUBLE CHOKES

SMD Series B82721

- Current Compensated Ring Core Double Choke with Ferrite Core
- Polycarbonate Case
- Polyurethane Potting
- Sector Winding

Applications:
- Lamp ballasts
- Switch mode power supplies
- Washing machines

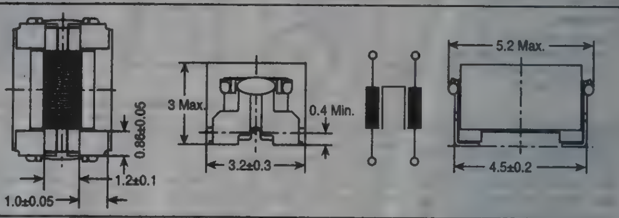
RoHS Compliant

For quantities of 250 and up, call for quote.

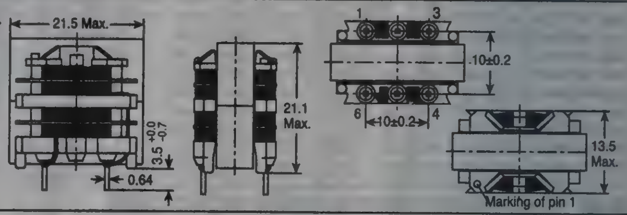
MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82721A2152N1	B82721A2152N1	E	3.3	1.5	1.99	1.49	1.27	.99
871-B82721A2202N1	B82721A2202N1	E	1	2	1.99	1.49	1.27	.99
871-B82721A2362N1	B82721A2362N1	E	0.4	3.6	1.99	1.49	1.27	.99
871-B82721A2401N20	B82721A2401N20	E	39	0.4	1.99	1.49	1.27	.99
871-B82721A2501N1	B82721A2501N1	E	18	0.5	1.99	1.49	1.27	.99
871-B82721A2701N20	B82721A2701N20	E	10	0.7	1.99	1.49	1.27	.99
871-B82722J2102N1	B82722J2102N1	F	10	1	1.29	1.11	1.01	.92
871-B82722J2202N1	B82722J2202N1	F	2.2	2	1.29	1.11	1.01	.92
871-B82722J2301N1	B82722J2301N1	F	47	0.3	1.29	1.11	1.01	.92
871-B82722J2302N1	B82722J2302N1	F	1.2	3	1.29	1.11	1.01	.92
871-B82722J2501N1	B82722J2501N1	F	27	0.5	1.29	1.11	1.01	.92
871-B82723J2102N1	B82723J2102N1	G	27	1	2.51	2.06	1.69	1.41
871-B82723J2202N1	B82723J2202N1	G	5.6	2	1.64	1.41	1.28	1.16
871-B82723J2402N1	B82723J2402N1	G	2.7	4	1.64	1.41	1.28	1.16
871-B82723J2501N1	B82723J2501N1	G	56	0.5	1.64	1.41	1.28	1.16
871-B82724J2501N1	B82724J2501N1	H	82	0.5	1.96	1.68	1.53	1.39
871-B82724J2102N1	B82724J2102N1	H	33	1	1.96	1.68	1.53	1.39
871-B82724J2142N1	B82724J2142N1	H	27	1.4	1.96	1.68	1.53	1.39
871-B82724J2202N1	B82724J2202N1	H	6.8	2	1.96	1.68	1.53	1.39
871-B82724J2402N1	B82724J2402N1	H	3.3	4	2.99	1.99	1.89	1.72

DIMENSIONS: mm

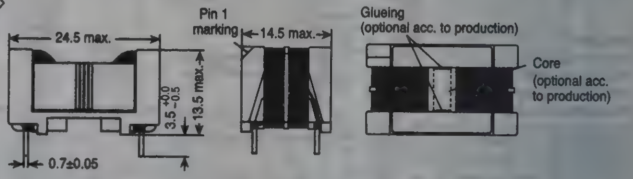
A


3 Max.
0.4 Min.
5.2 Max.
0.86±0.05
1.2±0.1
3.2±0.3
4.5±0.2
1.0±0.05

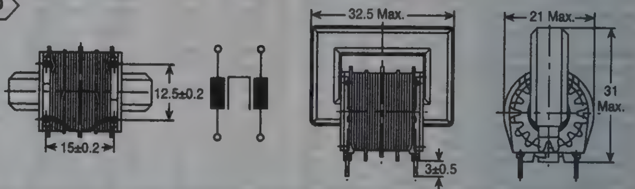
B


21.5 Max.
1
3
10±0.2
21.1 Max.
3.5 +0.0 -0.7
0.64
6
10±0.2
4
13.5 Max.
Marking of pin 1

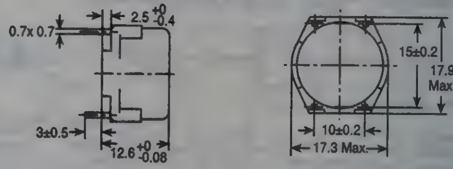
C


24.5 max.
Pin 1 marking
14.5 max.
Glueing (optional acc. to production)
Core (optional acc. to production)
3.5 +0.0 -0.5
13.5 max.
0.7±0.05

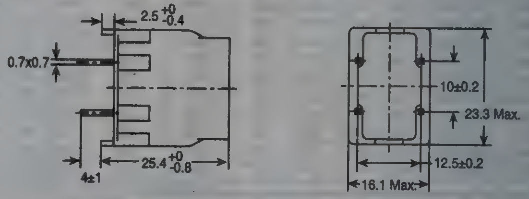
D


32.5 Max.
21 Max.
12.5±0.2
31 Max.
15±0.2
3±0.5

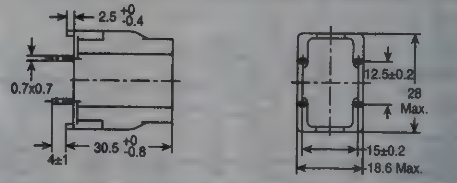
E


0.7x 0.7
2.5 +0 -0.4
15±0.2
17.9 Max.
3±0.5
12.6 +0 -0.08
10±0.2
17.3 Max.

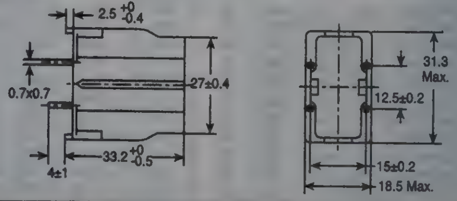
F


2.5 +0 -0.4
0.7x0.7
10±0.2
23.3 Max.
4±1
25.4 +0 -0.8
12.5±0.2
16.1 Max.

G


2.5 +0 -0.4
0.7x0.7
12.5±0.2
28 Max.
4±1
30.5 +0 -0.8
15±0.2
18.6 Max.

H


2.5 +0 -0.4
27±0.4
31.3 Max.
0.7x0.7
12.5±0.2
4±1
33.2 +0 -0.5
15±0.2
18.5 Max.

EPCOS Power Inductors

RoHS Compliant **This page of product is compliant.**

EPCOS

SMD Series B82554

- Enamel Copper Flat Wire Winding
- Magnetically Shielded Ferrite Core
- High Current Rating
- Low DC Resistance

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82559A112A13	B82559A112A13	A	1.1	20	1.70	1.46	1.33	1.21
871-B82559A222A13	B82559A222A13	A	2.2	15	1.70	1.46	1.33	1.21
871-B82559A302A13	B82559A302A13	A	3	13	1.70	1.46	1.33	1.21
871-B82559A501A13	B82559A501A13	A	0.5	30	1.70	1.46	1.33	1.21
871-B82559A142A13	B82559A142A13	A	1.4	22	1.75	1.50	1.36	1.24
871-B82559A242A13	B82559A242A13	A	2.4	16.5	1.75	1.50	1.36	1.24
871-B82559A392A13	B82559A392A13	A	3.9	12	1.75	1.50	1.36	1.24
871-B82559A951A13	B82559A951A13	A	0.95	25	1.75	1.50	1.36	1.24

SMD Series B82462-G4

- Enamel Copper Wire Winding Welded to Terminals
- Magnetically Shielded Ferrite Core
- Size: 6mm by 6mm
- Wide Temp Range
- High Current Rating
- Low DC Resistance

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82462G4102M	B82462G4102M	B	1	3.4	.99	.84	.75	.63
871-B82462G4103M	B82462G4103M	B	10	1.5	.99	.84	.75	.63
871-B82462G4104M	B82462G4104M	B	100	0.53	.99	.84	.75	.63
871-B82462G4222M	B82462G4222M	B	2.2	2.55	.99	.84	.75	.63
871-B82462G4223M	B82462G4223M	B	22	1.05	.99	.84	.75	.63
871-B82462G4224M	B82462G4224M	B	220	0.35	.99	.84	.75	.63
871-B82462G4333M	B82462G4333M	B	33	0.85	.99	.84	.75	.63
871-B82462G4334M	B82462G4334M	B	330	0.27	.99	.84	.75	.63

SMD Series B82464-A4

- Enamel Copper Wire Winding Welded to Terminals
- Ferrite Core
- Size: 10mm by 10mm
- Wide Temp Range
- Very High Current Rating
- Low DC Resistance

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82464A4224K	B82464A4224K	C	220	0.8	1.25	1.11	1.02	.99
871-B82464A4334K	B82464A4334K	C	330	0.6	1.25	1.11	1.02	.99
871-B82464G4102M	B82464G4102M	C	1	7.5	.99	.84	.75	.63
871-B82464G4103M	B82464G4103M	C	10	2.5	1.50	1.35	1.28	1.20
871-B82464G4104M	B82464G4104M	C	100	1	1.99	1.75	1.49	1.40
871-B82464G4105M	B82464G4105M	C	1000	0.3	.99	.84	.75	.63

SMD Series B82471

- Enamel Copper Wire Winding Welded to Terminals
- Ferrite Core
- Size: 6mm by 6mm
- High Current Rating
- Low DC Resistance

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82471A1103M	B82471A1103M	D	10	1.44	.99	.84	.75	.63
871-B82471A1104K	B82471A1104K	D	100	0.52	.99	.84	.75	.63
871-B82471A1224K	B82471A1224K	D	220	0.35	.99	.84	.75	.63

SMD Series B82472-G4

- Enamel Copper Wire Winding Soldered to Terminals
- Magnetically Shielded Ferrite Core
- Plastic Terminal Carrier
- Size: 7mm by 7mm
- Wide Temp Range
- Very High Current Rating
- Low DC Resistance

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82472G4102M	B82472G4102M	E	1	2.9	.83	.75	.67	.56
871-B82472G4103M	B82472G4103M	E	10	1.34	.47	.40	.36	.33
871-B82472G4104M	B82472G4104M	E	100	0.45	.83	.75	.67	.56
871-B82472G4224M	B82472G4224M	E	220	0.3	.83	.75	.67	.56
871-B82472G4473M	B82472G4473M	E	47	0.65	.83	.75	.67	.56
871-B82472G6102M	B82472G6102M	E	1	3.6	.83	.75	.67	.56
871-B82472G6103M	B82472G6103M	E	10	1.9	.83	.75	.67	.56
871-B82472G6104M	B82472G6104M	E	100	0.67	.83	.75	.67	.56
871-B82472G6105M	B82472G6105M	E	1000	0.2	.83	.75	.67	.56

SMD Series B82473

- Enamel Copper Wire Winding Soldered to Terminals
- Ferrite Core
- Plastic Core
- Size: 7mm by 7mm
- High Current Rating
- Low DC Resistance

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82473A1103K	B82473A1103K	F	10	2.3	1.56	1.27	1.05	.87
871-B82473A1104K	B82473A1104K	F	100	0.72	1.56	1.27	1.05	.87
871-B82473A1223K	B82473A1223K	F	22	1.5	1.56	1.27	1.05	.87
871-B82473A1224K	B82473A1224K	F	220	0.49	1.56	1.27	1.05	.87
871-B82473A1474K	B82473A1474K	F	470	0.34	1.56	1.27	1.05	.87

SMD Series B82475

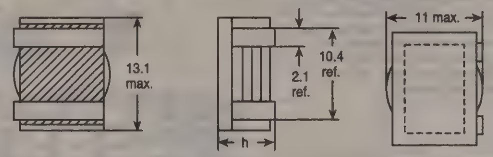
- Enamel Copper Wire Winding Soldered to Terminals
- Ferrite Core
- Plastic Terminal Carrier
- Size: 10mm by 10mm
- High Current Rating
- Low DC Resistance

For quantities of 250 and up, call for quote.

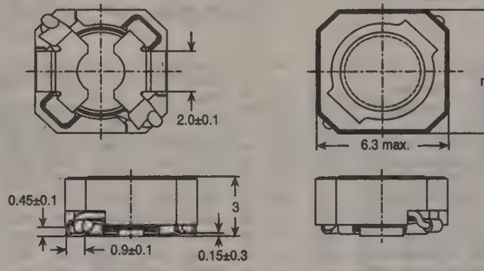
MOUSER STOCK NO.	Epcos Part No.	Fig.	L (μH)	Idc (A)	Price Each			
					1	10	25	100
871-B82475A1103M	B82475A1103M	G	10	2.6	1.69	1.38	1.14	.95
871-B82475A1104K	B82475A1104K	G	100	0.97	1.69	1.38	1.14	.95
871-B82475A1224K	B82475A1224K	G	220	0.66	1.69	1.38	1.14	.95
871-B82475A1334K	B82475A1334K	G	330	0.52	1.69	1.38	1.14	.95
871-B82475A1473K	B82475A1473K	G	47	1.28	1.69	1.38	1.14	.95
871-B82475A1474K	B82475A1474K	G	470	0.42	1.69	1.38	1.14	.95
871-B82475A1684K	B82475A1684K	G	680	0.28	1.69	1.38	1.14	.95

DIMENSIONS: mm

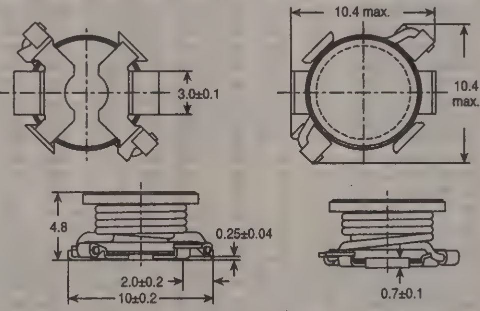
A



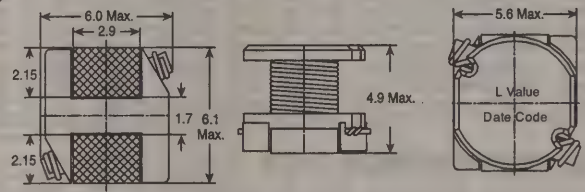
B



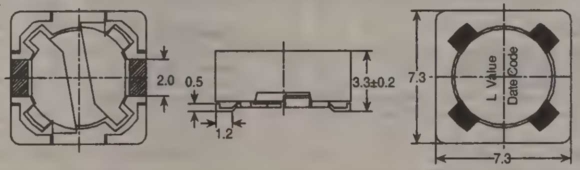
C



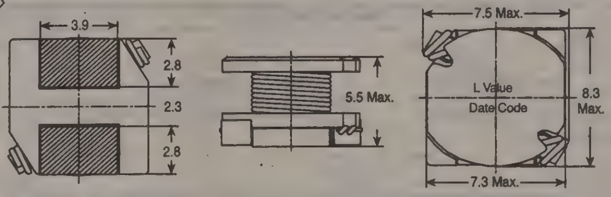
D



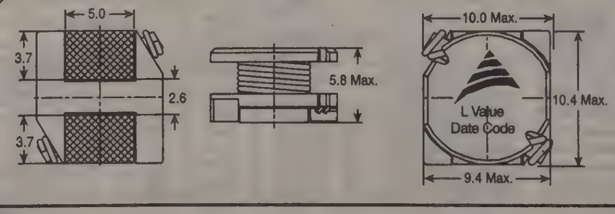
E



F



G



FASTRON Chokes and Coils

RoHS Compliant This page of product is compliant.

Fine Inductors Fastron EPOXY COATED CHOKES

These choke coils are UL recognized and feature an inductance of 0.15μH to 100,000μH, capable of handling currents from 55mA to 1.35 amps. They are more economical than molded chokes and require no more board space than a 1/2 watt resistor. Tape and reel, ammo pack, and formed leads are available upon request.

E169264

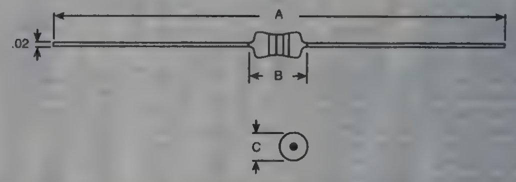
RoHS Compliant

- EIA color coded
- Operating temperature: -55°C to +125°C
- Dielectric Insulation strength: 2.0 KV

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	50	100	500
434-22-Value	.20	.17	.13	.10
434-23-Value	.20	.17	.13	.10
434-15-Value	.80	.66	.53	.39

DIMENSIONS: mm



22 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol. %	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (A)	Dimensions: mm		
									A	B	C
434-22-R15	MICC/N-R15K-00	0.15	10	35	25.2	500	0.13	1.02	63	7	3.3
434-22-R22	MICC/N-R22K-00	0.22	10	35	25.2	420	0.16	0.99	63	7	3.3
434-22-R27	MICC/N-R27K-00	0.27	10	35	25.2	380	0.17	0.91	63	7	3.3
434-22-R39	MICC/N-R39K-00	0.39	10	35	25.2	300	0.22	0.79	63	7	3.3
434-22-R47	MICC/N-R47K-00	0.47	10	35	25.2	280	0.25	0.75	63	7	3.3
434-22-R68	MICC/N-R68K-00	0.68	10	35	25.2	240	0.48	0.53	63	7	3.3
434-22-R82	MICC/N-R82K-00	0.82	10	35	25.2	230	0.55	0.50	63	7	3.3
434-22-1R0	MICC/N-1R0J-00	1	5	35	25.2	180	0.25	0.63	63	7	3.3
434-22-1R5	MICC/N-1R5J-00	1.5	5	40	7.96	150	0.3	0.57	63	7	3.3
434-22-1R8	MICC/N-1R8J-00	1.8	5	40	7.96	130	0.3	0.54	63	7	3.3
434-22-2R2	MICC/N-2R2J-00	2.2	5	40	7.96	120	0.35	0.52	63	7	3.3
434-22-2R7	MICC/N-2R7J-00	2.7	5	40	7.96	110	0.4	0.48	63	7	3.3
434-22-3R3	MICC/N-3R3J-00	3.3	5	40	7.96	110	0.5	0.42	63	7	3.3
434-22-3R9	MICC/N-3R9J-00	3.9	5	40	7.96	100	0.55	0.40	63	7	3.3
434-22-4R7	MICC/N-4R7J-00	4.7	5	40	7.96	90	0.65	0.38	63	7	3.3
434-22-6R8	MICC/N-6R8J-00	6.8	5	45	7.96	70	1.45	0.25	63	7	3.3
434-22-8R2	MICC/N-8R2J-00	8.2	5	50	7.96	65	1.6	0.24	63	7	3.3
434-22-100	MICC/N-100J-00	10	5	50	7.96	60	1.7	0.23	63	7	3.3
434-22-120	MICC/N-120J-00	12	5	50	2.52	50	2.4	0.19	63	7	3.3
434-22-150	MICC/N-150J-00	15	5	50	2.52	45	2.7	0.185	63	7	3.3
434-22-220	MICC/N-220J-00	22	5	60	2.52	12	0.9	0.335	63	7	3
434-22-330	MICC/N-330J-00	33	5	60	2.52	10	1.12	0.30	63	7	3
434-22-390	MICC/N-390J-00	39	5	60	2.52	8.5	1.21	0.285	63	7	3
434-22-470	MICC/N-470J-00	47	5	60	2.52	7.7	2.4	0.20	63	7	3
434-22-820	MICC/N-820J-00	82	5	60	2.52	5.5	3.2	0.175	63	7	3
434-22-101	MICC/N-101J-00	100	5	60	2.52	5.3	3.5	0.17	63	7	3
434-22-151	MICC/N-151J-00	150	5	60	0.79	4.6	4.3	0.15	63	7	3
434-22-221	MICC/N-221J-00	220	5	60	0.79	3.8	5.8	0.13	63	7	3
434-22-331	MICC/N-331J-00	330	5	60	0.79	3	8.7	0.105	63	7	3
434-22-471	MICC/N-471J-00	470	5	60	0.79	2.3	12	0.09	63	7	3
434-22-561	MICC/N-561J-00	560	5	60	0.79	2.2	16.5	0.075	63	7	3
434-22-681	MICC/N-681J-00	680	5	60	0.79	2	22	0.065	63	7	3
434-22-102	MICC/N-102J-00	1000	5	60	0.79	1.5	33	0.55	63	7	3

23 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol. %	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm		
									A	B	C
434-23-100J	SMCC/N-100J-00	10	5	65	7.96	35	0.49	680	64	9.5	4
434-23-120J	SMCC/N-120J-00	12	5	50	2.52	30	0.55	650	64	9.5	4
434-23-150J	SMCC/N-150J-00	15	5	50	2.52	20	0.60	610	64	9.5	4
434-23-180J	SMCC/N-180J-00	18	5	50	2.52	17	0.67	580	64	9.5	4
434-23-220J	SMCC/N-220J-00	22	5	50	2.52	13	0.74	560	64	9.5	4
434-23-470J	SMCC/N-470J-00	47	5	40	2.52	7.5	1.1	450	64	9.5	4
434-23-101J	SMCC/N-101J-00	100	5	30	2.52	5	1.7	370	64	9.5	4
434-23-221J	SMCC/N-221J-00	220	5	70	0.79	3.7	3.3	250	64	9.5	4
434-23-331J	SMCC/N-331J-00	330	5	70	0.79	2.7	6.4	190	64	9.5	4
434-23-471J	SMCC/N-471J-00	470	5	70	0.79	2.2	7.9	170	64	9.5	4
434-23-681J	SMCC/N-681J-00	680	5	55	0.79	1.9	10	150	64	9.5	4
434-23-102J	SMCC/N-102J-00	1000	5	50	0.79	1.6	14	130	64	9.5	4

15 Series

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Tol. %	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm		
									A	B	C
434-15-331K	VHBCC-331J-00	330	5	25	796	1.4	1.4	630	63	16	6
434-15-391K	VHBCC-391J-00	390	5	25	796	1.3	1.6	590	63	16	6
434-15-471K	VHBCC-471J-00	470	5	20	796	1.2	1.8	550	63	16	6
434-15-681K	VHBCC-681J-00	680	5	15	796	0.92	2.6	500	63	16	6
434-15-102J	VHBCC-102J-00	1000	5	70	252	0.72	4.2	400	63	16	6
434-15-122J	VHBCC-122J-00	1200	5	70	252	0.68	5.5	350	63	16	6
434-15-182J	VHBCC-182J-00	1800	5	70	252	0.65	6	300	63	16	6
434-15-222J	VHBCC-222J-00	2200	5	65	252	0.5	10	250	63	16	6
434-15-472J	VHBCC-472J-00	4700	5	30	252	0.31	18	200	63	16	6
434-15-153J	VHBCC-153J-00	15000	5	55	79.6	0.17	63	100	63	16	6
434-15-183J	VHBCC-183J-00	18000	5	50	79.6	0.16	90	86	63	16	6
434-15-273J	VHBCC-273J-00	27000	5	50	79.6	0.14	130	75	63	16	6
434-15-333J	VHBCC-333J-00	33000	5	50	79.6	0.14	130	67	63	16	6
434-15-104J	VHBCC-104J-00	100000	5	20	25.2	0.06	490	34	63	16	6

Fine Inductors Fastron RFI SUPPRESSION COILS

These RFI suppression coils feature inductance ranges from 1μH to 10,000μH capable of handling currents from 80mA to 12 amps. Non-standard values and tape/reel packaging are available on request.

Specifications:

- Operating temperature range: -55°C - +125°C
- Dielectric insulation strength: 2.5KV
- Inductive tolerance: ±20%
- Rated inductance measured at : 1MHz for L ≤ 10μH; 100kHz for 10μH < L ≤ 1000μH; 10kHz for L > 1000μH

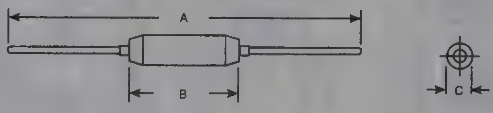
Applications:

- Communications (RF blocking, filtering and decoupling)
- Consumer electronics
- Interference suppression

Features:

- UL recognized and VDE approved

DIMENSIONS: mm



E169264

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Price Each			
	1	50	100	500
434-09-Value	.45	.41	.38	.29
434-11-Value	.62	.56	.41	.31
434-13-Value	.85	.74	.61	.55

Low Current Suppression Coils - Iron Oxide Core

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Rated DC Current (A)	DCR Max. (Ω)	Dimensions: mm		
					A	B	C
434-09-1R0M	SMSC-1R0M-00	1	6.00	14	87	17	5.5
434-09-2R0M	SMSC-2R0M-00	2	4.00	24	87	17	5.5
434-09-3R0M	SMSC-3R0M-00	3	3.00	46	87	17	5.5
434-09-6R0M	SMSC-6R0M-00	6	2.00	144	87	17	5.5
434-09-100M	SMSC-100M-00	10	1.50	276	87	17	5.5
434-09-230M	SMSC-230M-00	23	0.70	876	87	17	5.5
434-09-161M	SMSC-161M-00	160	0.15	21600	87	19	5.5

Medium Current Suppression Coils - Ferrite Core

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Rated DC Current (A)	DCR Max. (Ω)	Dimensions: mm		
					A	B	C
434-11-120M	MESC-120M-00	12	4.00	48	87	24	7.5
434-11-220M	MESC-220M-00	22	3.00	84	87	24	7.5
434-11-400M	MESC-400M-00	40	2.00	216	87	24	7.5
434-11-560M	MESC-560M-00	56	1.50	360	87	24	7.5
434-11-101M	MESC-101M-00	100	1.00	780	87	24	7.5
434-11-221M	MESC-221M-00	220	0.50	3120	87	24	7.5
434-11-471M	MESC-471M-00	470	0.30	7800	87	24	7.5
434-11-681M	MESC-681M-00	680	0.20	16800	87	24	7.5
434-11-122M	MESC-122M-00	1200	0.10	40800	87	24	7.5

High Current Suppression Coils - Ferrite Core

MOUSER STOCK NO.	Fastron Part No.	L (μH)	Rated DC Current (A)	DCR Max. (Ω)	Dimensions: mm		
					A	B	C
434-13-5R6M	77A-5R6M-00	5.6	8.00	0.021	92	26	8
434-13-100M	77A-100M-00	10	5.00	0.042	92	26	8
434-13-680M	77A-680M-00	68	3.00	0.12	92	26	11
434-13-101M	77A-101M-00	100	2.50	0.18	92	26	11
434-13-151M	77A-151M-00	150	1.80	0.36	92	26	11
434-13-331M	77A-331M-00	330	1.40	0.60	92	26	11
434-13-102M	77A-102M-00	1000	0.80	1.80	92	26	11
434-13-152M	77A-152M-00	1500	0.70	2.40	92	26	11
434-13-332M	77A-332M-00	3300	0.50	4.80	92	26	11
434-13-682M	77A-682M-00	6800	0.35	9.60	92	26	11
434-13-103M	77A-103M-00	10000	0.30	14.40	92	26	11

FASTRON Radial Coils and Wideband Chokes

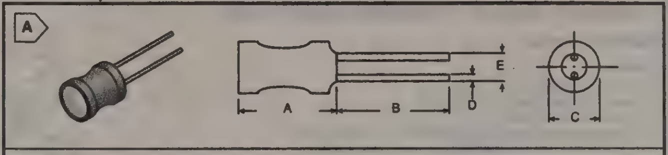
RoHS Compliant This page of product is compliant.

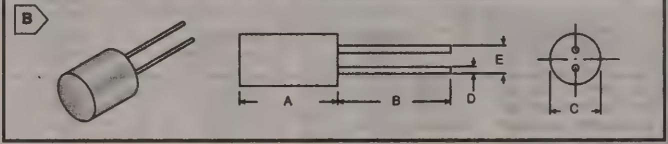
RADIAL PLUGGABLE COILS

Features:
- All 5% inductance tolerance
- Multi-layer windings on ferrite cores
- Heatshrink tube protected or ferrite magnetic shielded
- Sturdy pluggable radial construction with solder dipped leads
- Wide selection of medium to high inductances

Applications:
- DC/DC Converters
- Filtering applications
- Instrumentation

RoHS Compliant





For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Each			
		1	50	100	500
434-17-Value	A	.80	.74	.53	.39
434-01-Value	A	.95	.86	.63	.45
434-03-Value	A	1.05	.98	.89	.51
434-02-Value	B	1.20	1.14	.99	.58

17 Series

MOUSER STOCK NO.	Fastron Stock No.	L (μH) @ 20kHz	Q Min.	Test Freq. (kHz)	SRF Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-17-681J	07P-681J-50	680	80	796	2.3	3.7	170	12	14	7.5	.65	3.5
434-17-821J	07P-821J-50	820	80	796	2.1	4.1	160	12	14	7.5	.65	3.5
434-17-102J	07P-102J-50	1000	100	252	1.8	5.4	150	12	14	7.5	.65	3.5
434-17-122J	07P-122J-50	1200	100	252	1.6	5.8	140	12	14	7.5	.65	3.5
434-17-152J	07P-152J-50	1500	100	252	1.5	6.5	130	12	14	7.5	.65	3.5
434-17-182J	07P-182J-50	1800	100	252	1.4	7.5	120	12	14	7.5	.65	3.5
434-17-222J	07P-222J-50	2200	100	252	1.3	8.8	110	12	14	7.5	.65	3.5
434-17-272J	07P-272J-50	2700	100	252	1.2	9.8	100	12	14	7.5	.65	3.5
434-17-332J	07P-332J-50	3300	100	252	1.1	13	80	12	14	7.5	.65	3.5
434-17-472J	07P-472J-50	4700	100	252	0.9	18.5	70	12	14	7.5	.65	3.5
434-17-562J	07P-562J-50	5600	100	252	0.8	21	60	12	14	7.5	.65	3.5
434-17-682J	07P-682J-50	6800	100	252	0.7	29	55	12	14	7.5	.65	3.5
434-17-822J	07P-822J-50	8200	100	252	0.65	33	50	12	14	7.5	.65	3.5

01 Series

MOUSER STOCK NO.	Fastron Stock No.	L (μH) @ 20kHz	Q Min.	Test Freq. (kHz)	SRF Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-01-101J	09P-101J-50	100	40	796	5	0.3	790	14	14	9.5	.70	5
434-01-151J	09P-151J-50	150	40	796	4	0.4	650	14	14	9.5	.70	5
434-01-221J	09P-221J-50	220	30	796	3.3	0.5	530	14	14	9.5	.70	5
434-01-331J	09P-331J-50	330	35	796	2.7	1.0	500	14	14	9.5	.70	5
434-01-391J	09P-391J-50	390	35	796	2.5	1.1	460	14	14	9.5	.70	5
434-01-471J	09P-471J-50	470	35	796	2.3	1.3	420	14	14	9.5	.70	5
434-01-561J	09P-561J-50	560	35	796	2	1.5	400	14	14	9.5	.70	5
434-01-681J	09P-681J-50	680	35	796	1.9	1.9	350	14	14	9.5	.70	5
434-01-821J	09P-821J-50	820	35	796	1.7	2.2	310	14	14	9.5	.70	5
434-01-102J	09P-102J-50	1000	70	252	1.6	2.6	280	14	14	9.5	.70	5
434-01-122J	09P-122J-50	1200	70	252	1.4	3.0	250	14	14	9.5	.70	5
434-01-152J	09P-152J-50	1500	70	252	1.2	5.1	220	14	14	9.5	.70	5
434-01-222J	09P-222J-50	2200	70	252	1	7.0	180	14	14	9.5	.70	5
434-01-272J	09P-272J-50	2700	70	252	0.9	8.0	170	14	14	9.5	.70	5
434-01-332J	09P-332J-50	3300	70	252	0.8	9.0	150	14	14	9.5	.70	5
434-01-392J	09P-392J-50	3900	70	252	0.75	10	140	14	14	9.5	.70	5
434-01-472J	09P-472J-50	4700	70	252	0.65	11.5	130	14	14	9.5	.70	5
434-01-562J	09P-562J-50	5600	70	252	0.63	15	120	14	14	9.5	.70	5
434-01-682J	09P-682J-50	6800	70	252	0.57	17	110	14	14	9.5	.70	5
434-01-822J	09P-822J-50	8200	70	252	0.5	20	100	14	14	9.5	.70	5
434-01-103J	09P-103J-50	10000	70	79	0.41	35	90	14	14	9.5	.70	5
434-01-123J	09P-123J-50	12000	70	79	0.38	40	80	14	14	9.5	.70	5
434-01-153J	09P-153J-50	15000	70	79	0.35	45	70	14	14	9.5	.70	5
434-01-183J	09P-183J-50	18000	70	79	0.34	50	65	14	14	9.5	.70	5
434-01-223J	09P-223J-50	22000	70	79	0.3	58	60	14	14	9.5	.70	5
434-01-273J	09P-273J-50	27000	70	79	0.29	70	55	14	14	9.5	.70	5
434-01-333J	09P-333J-50	33000	70	79	0.26	75	50	14	14	9.5	.70	5

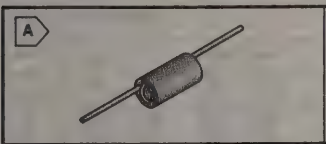
03 Series

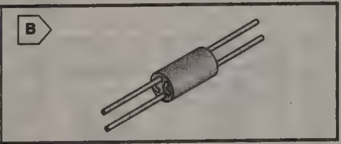
MOUSER STOCK NO.	Fastron Stock No.	L (μH) @ 20kHz	Q Min.	Test Freq. (kHz)	SRF Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-03-103J	11P-103J-50	10	50	79	0.35	23	110	16	10	12	0.7	5
434-03-123J	11P-123J-50	12	50	79	0.32	24	100	16	10	12	0.7	5
434-03-153J	11P-153J-50	15	50	79	0.29	28	90	16	10	12	0.7	5
434-03-223J	11P-223J-50	22	50	79	0.25	39	70	16	10	12	0.7	5
434-03-273J	11P-273J-50	27	50	79	0.21	48	70	16	10	12	0.7	5
434-03-333J	11P-333J-50	33	50	79	0.2	56	65	16	10	12	0.7	5
434-03-393J	11P-393J-50	39	50	79	19	62	60	16	10	12	0.7	5
434-03-473J	11P-473J-50	47	50	79	18	73	55	16	10	12	0.7	5
434-03-563J	11P-563J-50	56	50	79	0.14	115	50	16	10	12	0.7	5
434-03-683J	11P-683J-50	68	50	79	0.16	120	50	16	10	12	0.7	5
434-03-104J	11P-104J-50	100	50	25	0.11	155	40	16	10	12	0.7	5
434-03-124J	11P-124J-50	120	50	25	0.09	186	37	16	10	12	0.7	5
434-03-154J	11P-154J-50	150	50	25	0.08	205	35	16	10	12	0.7	5

02 Series

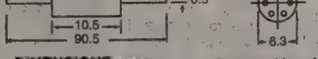
MOUSER STOCK NO.	Fastron Stock No.	L (μH) @ 20kHz	Q Min.	Test Freq. (kHz)	SRF Freq. (MHz)	DCR Max. (Ω)	Rated DC Current (mA)	Dimensions: mm				
								A	B	C	D	E
434-02-102J	07MFG-102J-50	1	70	252	---	3.4	90	12.5	14	10	.65	3.5
434-02-122J	07MFG-122J-50	1.2	70	252	---	3.7	75	12.5	14	10	.65	3.5
434-02-152J	07MFG-152J-50	1.5	70	252	---	4	70	12.5	14	10	.65	3.5
434-02-182J	07MFG-182J-50	1.8	70	252	---	4.5	65	12.5	14	10	.65	3.5
434-02-222J	07MFG-222J-50	2.2	70	252	---	5.2	60	12.5	14	10	.65	3.5
434-02-272J	07MFG-272J-50	2.7	70	252	---	5.8	55	12.5	14	10	.65	3.5
434-02-332J	07MFG-332J-50	3.3	100	252	---	6.1	50	12.5	14	10	.65	3.5
434-02-392J	07MFG-392J-50	3.9	100	252	---	7.2	45	12.5	14	10	.65	3.5
434-02-472J	07MFG-472J-50	4.7	100	252	---	7.5	40	12.5	14	10	.65	3.5
434-02-562J	07MFG-562J-50	5.6	100	252	---	8.4	40	12.5	14	10	.65	3.5
434-02-682J	07MFG-682J-50	6.8	70	252	---	9.7	35	12.5	14	10	.65	3.5
434-02-822J	07MFG-822J-50	8.2	70	252	---	10.4	30	12.5	14	10	.65	3.5
434-02-103J	07MFG-103J-50	10	100	79	---	12.1	25	12.5	14	10	.65	3.5
434-02-123J	07MFG-123J-50	12	100	79	---	13	25	12.5	14	10	.65	3.5
434-02-153J	07MFG-153J-50	15	100	79	---	15	25	12.5	14	10	.65	3.5
434-02-183J	07MFG-183J-50	18	100	79	---	17	22	12.5	14	10	.65	3.5
434-02-223J	07MFG-223J-50	22	100	79	---	19.5	21	12.5	14	10	.65	3.5
434-02-273J	07MFG-273J-50	27	100	79	---	22	18	12.5	14	10	.65	3.5
434-02-333J	07MFG-333J-50	33	100	79	---	26	17	12.5	14	10	.65	3.5
434-02-473J	07MFG-473J-50	47	100	79	---	52	13	12.5	14	10	.65	3.5
434-02-563J	07MFG-563J-50	56	100	79	---	58	12	12.5	14	10	.65	3.5
434-02-683J	07MFG-683J-50	68	70	79	---	66	12	12.5	14	10	.65	3.5
434-02-823J	07MFG-823J-50	82	70	79	---	71	10	12.5	14	10	.65	3.5

WIDEBAND CHOKES





Specifications:
- 6 hole ferrite core
- 1.5" 24AWG leads



RoHS Compliant

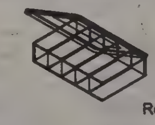
DIMENSIONS: mm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fastron Part No.	Fig.	Winding	Impedance		Price Each			
				Z (Ω)	fL (MHz)	1	100	500	1000
434-6H-351	06H-351	A	1.5	300	120	.39	.35	.25	.23
434-6H-451	06H-451	A	1.5	350	250	.39	.35	.25	.23
434-6H-751	06H-751	A	2.5	600	50	.39	.35	.25	.23
434-6H-851	06H-851	A	2.5	700	180	.39	.35	.25	.23
434-6H-901	06H-901	B	2x1.5	700	50	.39	.35	.25	.23
434-6H-102	06H-102	B	2x1.5	800	110	.39	.35	.25	.23

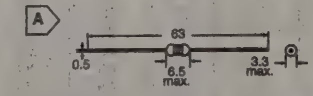
EPOXY CONFORMAL COATED CHOKE KITS

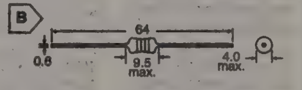
Specifications:
- Solderability: according to MIL-STD-202F method 208D
- Operating temperature: IEC climactic category: 55/125/56; DIN climactic category: FKF: -55°C to 125°C, humidity category F
- Product assurance: according to MIL-STD-790
- EIA color coded



E169264

RoHS Compliant





DIMENSIONS: mm

MOUSER STOCK NO.	Fig.	Range of Values	Pieces in Kit	List of Values (μH)	Price Each
370-MICC/N	A	.15μH to 1000μH	230	**10 each:** .15, .22, .33, .47, .68, 1.0, 1.5, 2.2, 3.3, 4.7, 6.8, 10, 15, 22, 33, 47, 68, 100, 150, 220, 330, 470, and 1000μH	89.95
370-SMCC/N	B	10μH to 1000μH	100	**10 each:** 10, 12, 15, 18, 100, 220, 330, 470, 680, and 1000μH	49.95

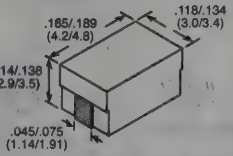
GOWANDA Power and RF Inductors

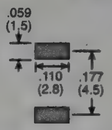
SURFACE MOUNT POWER INDUCTORS

SMP1812 Series

Features:

- Epoxy Encapsulated
- Operating Temperature: -55°C to +125°C
- Stocked on Tape and Reel
- Can be used for all types of power applications including filters for DC/DC converters and switching regulated power supplies.





Recommended Foot Print

RoHS Compliant

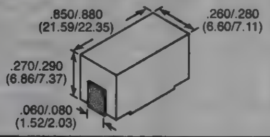
DIMENSIONS: In. (mm)

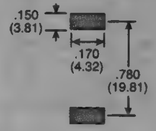
MOUSER STOCK NO.	Gowanda Part No.	Inductance ±10% @ 1KHz	DCR (Ω Max.)	I_{SAT} (DC mA)	Nominal Current Rating (DC mA)	Price Each				Reel Qty.	Price Per Piece
						1	50	100	500		
883-SMP1812-101KLF	SMP1812-101KLF	1.0	0.056	2500	2018	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-221KLF	SMP1812-221KLF	2.2	0.13	169	1325	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-331KLF	SMP1812-331KLF	3.3	0.17	1397	1158	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-391KLF	SMP1812-391KLF	3.9	0.22	1250	1018	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-471KLF	SMP1812-471KLF	4.7	0.24	1131	975	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-681KLF	SMP1812-681KLF	6.8	0.37	990	785	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-102KLF	SMP1812-102KLF	10	0.46	772	704	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-222KLF	SMP1812-222KLF	22	1.11	515	453	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-332KLF	SMP1812-332KLF	33	1.35	425	411	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-392KLF	SMP1812-392KLF	39	1.50	375	390	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-472KLF	SMP1812-472KLF	47	1.65	366	372	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-682KLF	SMP1812-682KLF	68	2.95	297	288	1.77	1.18	1.07	.97	2200	.78
883-SMP1812-103KLF	SMP1812-103KLF	100	4.00	238	239	1.83	1.22	1.11	1.01	2200	.82
883-SMP1812-223KLF	SMP1812-223KLF	220	8.80	158	161	1.83	1.22	1.11	1.01	2200	.82
883-SMP1812-273KLF	SMP1812-273KLF	270	9.93	143	152	1.83	1.22	1.11	1.01	2200	.82
883-SMP1812-333KLF	SMP1812-333KLF	330	14.80	129	124	1.83	1.22	1.11	1.01	2200	.82

SMP8527 Series

Features:

- Operating Temperature: -55°C to +125°C
- Core material is high resistance nickel zinc ferrite.
- Saturation current is the approximate value that will reduce the initial inductance by 5%.
- Rated current is based on a 40°C temperature rise at an ambient temperature of 85°C.





Recommended Foot Print

RoHS Compliant

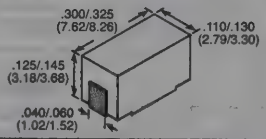
DIMENSIONS: In. (mm)

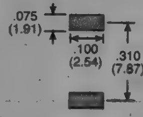
MOUSER STOCK NO.	Gowanda Part No.	Inductance ±10% @ 1KHz	DCR (Ω Max.)	I_{SAT} (DC mA)	Nominal Current Rating (DC mA)	Price Each				Reel Qty.	Price Per Piece
						1	25	50	100		
883-SMP8527-101KLF	SMP8527-101KLF	1.0	0.011	10	6.68	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-221KLF	SMP8527-221KLF	2.2	0.016	6.4	5.54	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-331KLF	SMP8527-331KLF	3.3	0.018	5.4	5.22	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-391KLF	SMP8527-391KLF	3.9	0.02	4.8	4.95	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-471KLF	SMP8527-471KLF	4.7	0.024	4.2	4.52	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-681KLF	SMP8527-681KLF	6.8	0.034	3.4	3.8	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-102KLF	SMP8527-102KLF	10	0.043	3.0	3.38	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-222KLF	SMP8527-222KLF	22	0.059	2.0	2.88	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-332KLF	SMP8527-332KLF	33	0.077	1.8	2.53	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-392KLF	SMP8527-392KLF	39	0.084	1.6	2.42	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-472KLF	SMP8527-472KLF	47	0.101	1.4	2.2	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-682KLF	SMP8527-682KLF	68	0.145	1.2	1.84	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-103KLF	SMP8527-103KLF	100	0.208	1.0	1.54	5.21	3.47	3.15	2.86	480	2.52
883-SMP8527-223KLF	SMP8527-223KLF	220	0.505	0.68	0.99	4.25	2.83	2.57	2.34	480	2.06
883-SMP8527-333KLF	SMP8527-333KLF	330	0.72	0.6	0.826	4.34	2.89	2.63	2.39	480	2.10
883-SMP8527-393KLF	SMP8527-393KLF	390	0.77	0.54	0.799	4.46	2.97	2.70	2.45	480	2.16
883-SMP8527-473KLF	SMP8527-473KLF	470	1.0	0.5	0.7	4.46	2.97	2.70	2.45	480	2.16
883-SMP8527-683KLF	SMP8527-683KLF	680	1.5	0.45	0.57	4.46	2.97	2.70	2.45	480	2.16
883-SMP8527-104KLF	SMP8527-104KLF	1000	2.28	0.36	0.46	4.61	3.07	2.79	2.54	480	2.24
883-SMP8527-224KLF	SMP8527-224KLF	2200	4.4	0.24	0.33	4.61	3.07	2.79	2.54	480	2.24
883-SMP8527-334KLF	SMP8527-334KLF	3300	7.51	0.18	0.26	4.61	3.07	2.79	2.54	480	2.24
883-SMP8527-394KLF	SMP8527-394KLF	3900	8.44	0.17	0.24	4.71	3.14	2.85	2.59	480	2.28
883-SMP8527-474KLF	SMP8527-474KLF	4700	9.56	0.15	0.23	4.71	3.14	2.85	2.59	480	2.28
883-SMP8527-684KLF	SMP8527-684KLF	6800	15	0.13	0.18	4.71	3.14	2.85	2.59	480	2.28
883-SMP8527-105KLF	SMP8527-105KLF	10000	22.8	0.1	0.15	4.83	3.22	2.93	2.66	480	2.34

SMRF3013 SERIES UNSHIELDED RF INDUCTORS

Features:

- Operating Temperature: -55°C to +125°C
- Rated current is based on a 35°C temperature rise at an ambient temperature of 90°C.





Recommended Foot Print

RoHS Compliant

DIMENSIONS: In. (mm)

MOUSER STOCK NO.	Gowanda Part No.	Inductance ±10%	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω Max.)	Nominal Current Rating (DC mA)	Core Material	Price Each				Reel Qty.	Price Per Piece
									1	50	100	500		
883-SMRF3013-100KLF	SMRF3013-100KLF	0.1	40	25	680	0.08	1590	Phenolic	1.47	.98	.89	.81	2200	.65
883-SMRF3013-390KLF	SMRF3013-390KLF	0.39	30	25	365	0.3	821	Phenolic	1.47	.98	.89	.81	2200	.65
883-SMRF3013-470KLF	SMRF3013-470KLF	0.47	30	25	330	0.35	760	Phenolic	1.47	.98	.89	.81	2200	.65
883-SMRF3013-680KLF	SMRF3013-680KLF	0.68	28	25	275	0.6	580	Phenolic	1.47	.98	.89	.81	2200	.65
883-SMRF3013-101KLF	SMRF3013-101KLF	1	25	25	230	1	450	Phenolic	1.47	.98	.89	.81	2200	.65
883-SMRF3013-391KLF	SMRF3013-391KLF	3.9	45	7.9	80	1	450	Powdered Iron	1.83	1.22	1.11	1.01	2200	.82
883-SMRF3013-471KLF	SMRF3013-471KLF	4.7	45	7.9	75	1.2	410	Powdered Iron	1.83	1.22	1.11	1.01	2200	.82
883-SMRF3013-681KLF	SMRF3013-681KLF	6.8	50	7.9	60	2	318	Powdered Iron	1.83	1.22	1.11	1.01	2200	.82
883-SMRF3013-102KLF	SMRF3013-102KLF	10	55	7.9	50	3.7	234	Powdered Iron	2.13	1.42	1.29	1.17	2200	.95
883-SMRF3013-392KLF	SMRF3013-392KLF	39	45	2.5	22	3.6	237	Ferrite	2.49	1.66	1.51	1.37	2200	1.11
883-SMRF3013-472KLF	SMRF3013-472KLF	47	45	2.5	20	4.5	212	Ferrite	2.49	1.66	1.51	1.37	2200	1.11
883-SMRF3013-682KLF	SMRF3013-682KLF	68	45	2.5	15	6.7	174	Ferrite	2.61	1.74	1.58	1.44	2200	1.17
883-SMRF3013-103KLF	SMRF3013-103KLF	100	30	2.5	13	8	159	Ferrite	2.78	1.85	1.68	1.53	2200	1.24
883-SMRF3013-393KLF	SMRF3013-393KLF	390	30	0.79	6.5	35	76	Ferrite	2.78	1.85	1.68	1.53	2200	1.24
883-SMRF3013-473KLF	SMRF3013-473KLF	470	30	0.79	6	42	69	Ferrite	2.87	1.91	1.74	1.58	2200	1.28
883-SMRF3013-683KLF	SMRF3013-683KLF	680	30	0.79	4	60	58	Ferrite	2.87	1.91	1.74	1.58	2200	1.28
883-SMRF3013-104KLF	SMRF3013-104KLF	1000	30	0.79	3.4	72	53	Ferrite	3.08	2.05	1.86	1.69	2200	1.37

KEMET Multilayer Ferrite Chip Beads

RoHS Compliant **This page of product is compliant.**

BK SERIES

Features:

- Internal silver printed layer creates a closed circuit which acts as a magnetic shield minimizing heat generation and crosstalk
- No need for grounding provides greater circuit design flexibility
- Several material types and a broad range of impedance values provide noise countermeasures for various applications

Applications:

- High frequency noise countermeasure in personal computers, digital cameras, and other information system products. For use on digital product clock lines and general signal lines
- Radiated noise suppression in computer or printer interfaces and harness connectors
- Noise suppression in video and other A/V products
- Prevents interference between circuits in cellular phones (PHS, PDC, etc.)
- Due to the closed internal circuit which acts as a magnetic shield, the TS material is extremely effective as a noise filter on LSI power supply lines where downsizing of components is needed

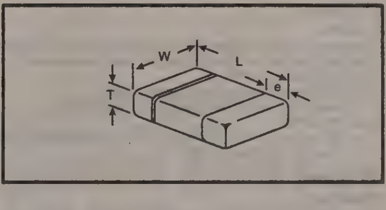
BK SERIES P TYPE

Features:

- Low Rdc value brings about low power dissipation and extending the life of batteries
  That stands on the high advanced green sheet and printing technologies
- No need for grounding provides greater circuit design flexibility

Applications:

- Hign frequency noise debug on the DC power supply line in personal computers and other information system products
- Noise suppression in USB and IEEE1394 interface
- Prevents interference between circuits in mobile systems (PDC, PHS, PDA)



Dimensions: mm (in.)									
BK Series					**BK Series P Type**				
style	L	W	T	e	style	L	W	T	e
BK0603 (0201)	.60 (.024)	.30 (.012)	.30 (.012)	.15 (.006)	**BKP1005** (0402)	1 (.039)	.5 (.02)	.5 (.02)	.25 (.01±)
BK1005 (0402)	1.0 (.039)	.50 (.02)	.50 (.02)	.25 (.01)	**BKP1608** (0603)	1.6 (.063)	.8 (.031)	.8 (.031)	.3 (.012)
BK1608 (0603)	1.6 (.063)	.8 (.031)	.8 (.031)	.3 (.012)	**BKP2125** (0805)	2 (.079)	1.25 (.049)	.85 (.033)	.5 (.02)
BK2125 (0805)	2 (.079)	1.25 (.049)	.85 1.25 (.033) (.049)	.5 (.020)					

Applications Chart

- HS, HW: Keeps signal integrity
- HM, LM: Suppresses general noise
- LL: For high speed signal line
- TS: Rdc tolerance specified type

RoHS Compliant

RoHS Compliant

MOUSER STOCK NO.	Kemet Part No.	Imp (Ω)±5%	DC Res. Ω max	Rated (mA)	App.	Price Each			Reel Qty.	Price Each Pcs.
						1	50	100		
BK0603 Series										
80-BK0603LL100TK	BK-0603LL100TK	10	0.4	200	LL	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603LL220TK	BK-0603LL220TK	22	0.5	200	LL	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603HS220TK	BK-0603HS220TK	22	0.075	500	HS	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603LL330TK	BK-0603LL330TK	33	0.8	150	LL	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603HS330TK	BK-0603HS330TK	33	0.075	500	HS	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603LL470TK	BK-0603LL470TK	47	1	150	LL	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603HS800TK	BK-0603HS800TK	80	0.4	200	HS	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603HS121TK	BK-0603HS121TK	120	50	200	HS	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603HM121TK	BK-0603HM121TK	120	0.5	200	HM	**.23**	**.18**	**.23**	15,000	**.23**
80-BK0603HM241TK	BK-0603HM241TK	240	0.8	200	HM	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603HS241TK	BK-0603HS241TK	240	0.8	200	HS	**.23**	**.18**	**.16**	15,000	**.092**
80-BK0603HM600TK	BK-0603HM600TK	600	0.4	200	HM	**.23**	**.18**	**.16**	15,000	**.092**
BK1005 Series										
80-BK1005HS100TK	BK-1005HS100TK	10	0.05	1000	HS	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005LL100TK	BK-1005LL100TK	10	0.15	500	LL	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005LL220TK	BK-1005LL220TK	22	0.2	400	LL	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HS330TK	BK-1005HS330TK	33	0.1	700	HS	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005LL330TK	BK-1005LL330TK	33	0.3	400	LL	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005LL470TK	BK-1005LL470TK	47	0.35	350	LL	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005LL680TK	BK-1005LL680TK	68	0.31	400	LL	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HS680TK	BK-1005HS680TK	68	0.163	600	HS	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HW680TK	BK-1005HW680TK	68	0.17	500	HW	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HM121TK	BK-1005HM121TK	120	0.25	300	HM	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HS121TK	BK-1005HS121TK	120	0.23	500	HS	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HW121TK	BK-1005HW121TK	120	0.24	450	HW	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005LL121TK	BK-1005LL121TK	120	0.45	350	LL	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005LL181TK	BK-1005LL181TK	180	0.53	300	LL	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005LL241TK	BK-1005LL241TK	240	0.7	250	LL	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HM241TK	BK-1005HM241TK	240	0.36	300	HM	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HS241TK	BK-1005HS241TK	240	0.33	400	HS	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HW241TK	BK-1005HW241TK	240	0.31	400	HW	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HW431TK	BK-1005HW431TK	430	0.5	350	HW	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HM471TK	BK-1005HM471TK	470	0.56	250	HM	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HM601TK	BK-1005HM601TK	600	0.59	250	HM	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HS601TK	BK-1005HS601TK	600	0.58	300	HS	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HW601TK	BK-1005HW601TK	600	0.6	300	HW	**.12**	**.10**	**.08**	10,000	**.048**
80-BK1005HM102TK	BK-1005HM102TK	1000	0.8	150	HM	**.12**	**.10**	**.08**	10,000	**.048**
BK1608 Series										
80-BK1608HS220TK	BK-1608HS220TK	22	0.05	1500	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL300TK	BK-1608LL300TK	30	0.2	500	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HS330TK	BK-1608HS330TK	33	0.08	1200	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HS470TK	BK-1608HS470TK	47	0.1	900	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL470TK	BK-1608LL470TK	47	0.3	400	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HW470TK	BK-1608HW470TK	47	0.1	600	HW	**.15**	**.12**	**.11**	4,000	**.09**
80-BK1608LL560TK	BK-1608LL560TK	56	0.3	400	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HS600TK	BK-1608HS600TK	60	0.1	800	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL680TK	BK-1608LL680TK	68	0.35	300	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HS800TK	BK-1608HS800TK	80	0.1	600	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HM121TK	BK-1608HM121TK	120	0.2	350	HM	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HS121TK	BK-1608HS121TK	120	0.18	500	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HW121TK	BK-1608HW121TK	120	0.15	600	HW	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL121TK	BK-1608LL121TK	120	0.5	300	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL181TK	BK-1608LL181TK	180	0.65	250	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HW241TK	BK-1608HW241TK	240	0.25	450	HW	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HS241TK	BK-1608HS241TK	240	0.25	400	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HM241TK	BK-1608HM241TK	240	0.35	300	HM	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL241TK	BK-1608LL241TK	240	0.8	250	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL331TK	BK-1608LL331TK	330	0.85	200	LL	**.11**	**.09**	**.08**	4,000	**.044**
BK1608 Series (cont.)										
80-BK1608HW431TK	BK-1608HW431TK	430	0.3	400	HW	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL431TK	BK-1608LL431TK	430	0.85	200	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608TS431TK	BK-1608TS431TK	430	0.25	400	TS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HM471TK	BK-1608HM471TK	470	0.45	250	HM	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL511TK	BK-1608LL511TK	510	0.9	200	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HM601TK	BK-1608HM601TK	600	0.6	250	HM	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HS601TK	BK-1608HS601TK	600	0.45	350	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HW601TK	BK-1608HW601TK	600	0.4	300	HW	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608TS601TK	BK-1608TS601TK	600	0.27	350	TS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LL681TK	BK-1608LL681TK	680	1	150	LL	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LM751TK	BK-1608LM751TK	750	0.6	300	LM	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HS102TK	BK-1608HS102TK	1000	0.6	300	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608HM102TK	BK-1608HM102TK	1000	0.7	200	HM	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608TS102TK	BK-1608TS102TK	1000	0.3	300	TS	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LM152TK	BK-1608LM152TK	1500	0.75	250	LM	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LM182TK	BK-1608LM182TK	1800	0.85	200	LM	**.11**	**.09**	**.08**	4,000	**.044**
80-BK1608LM252TK	BK-1608LM252TK	2500	1.1	200	LM	**.11**	**.09**	**.08**	4,000	**.044**
BK2125 Series										
80-BK2125HS150TK	BK-2125HS150TK	15	0.05	1200	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS220TK	BK-2125HS220TK	22	0.05	1200	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS330TK	BK-2125HS330TK	33	0.05	1200	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS470TK	BK-2125HS470TK	47	0.05	1000	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125LL560TK	BK-2125LL560TK	56	0.3	400	LL	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS750TK	BK-2125HS750TK	75	0.1	1000	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS101TK	BK-2125HS101TK	100	0.04	2500	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HM121TK	BK-2125HM121TK	120	0.15	800	HM	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS121TK	BK-2125HS121TK	120	0.15	800	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125LL121TK	BK-2125LL121TK	120	0.5	300	LL	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125LL181TK	BK-2125LL181TK	180	0.65	250	LL	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS221TK	BK-2125HS221TK	220	0.05	2000	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HM241TK	BK-2125HM241TK	240	0.2	600	HM	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS241TK	BK-2125HS241TK	240	0.2	600	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125LL241TK	BK-2125LL241TK	240	0.8	250	LL	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS431TK	BK-2125HS431TK	430	0.25	500	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HM471TK	BK-2125HM471TK	470	0.25	500	HM	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS471TK	BK-2125HS471TK	470	0.25	500	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HM601TK	BK-2125HM601TK	600	0.25	500	HM	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS601TK	BK-2125HS601TK	600	0.3	500	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS681TK	BK-2125HS681TK	680	1	150	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125LM751TK	BK-2125LM751TK	750	0.6	300	LM	**.15**	**.12**	**.11**	2,000	**.06**
80-BK2125HM102TK	BK-2125HM102TK	1000	0.35	400	HM	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125HS102TK	BK-2125HS102TK	1000	0.4	300	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BK2125LM152TK	BK-2125LM152TK	1500	0.75	250	LM	**.15**	**.12**	**.11**	2,000	**.06**
80-BK2125LM182TK	BK-2125LM182TK	1800	0.85	200	LM	**.15**	**.12**	**.11**	2,000	**.06**
80-BK2125LM252TK	BK-2125LM252TK	2500	1.1	200	LM	**.15**	**.12**	**.11**	2,000	**.06**
BK1608 series P type										
80-BKP1608HS330TK	BKP1608HS330TK	33	0.025	3000	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BKP1608HS600TK	BKP1608HS600TK	60	0.04	2500	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BKP1608HS101TK	BKP1608HS101TK	100	0.04	2500	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BKP1608HS121TK	BKP1608HS121TK	120	0.15	800	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BKP1608HS181TK	BKP1608HS181TK	180	0.075	1500	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BKP1608HS271TK	BKP1608HS271TK	270	0.11	1200	HS	**.11**	**.09**	**.08**	4,000	**.044**
80-BKP1608HS391TK	BKP1608HS391TK	390	0.14	1000	HS	**.11**	**.09**	**.08**	4,000	**.044**
BK2125 series P type										
80-BKP2125HS330TK	BKP2125HS330TK	33	0.02	4000	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BKP2125HS600TK	BKP2125HS600TK	60	0.025	3000	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BKP2125HS101TK	BKP2125HS101TK	100	0.05	1700	HS	**.15**	**.12**	**.11**	4,000	**.06**
80-BKP2125HS221TK	BKP2125HS221TK	220	0.05	2000	HS	**.15**	**.12**	**.11**	4,000	**.06**

KEMET Multilayer Chip Inductors

KEMET
CHARGED™

LK Series

Features:

- Internal printed coil structure creates a closed magnetic circuit which acts as a magnetic shield eliminating crosstalk, thus permitting higher mounting densities
- Multilayer block structure yields higher reliability
- The smallest µH inductors in the world (LK1005 series)

Applications:

- Any general circuit of portable equipment in which compact size and high mounting densities are required

CK Series

Features:

- Internal printed coil structure creates a closed magnetic circuit which acts as a magnetic shield eliminating crosstalk, thus permitting higher mounting densities
- Multilayer block structure yields higher reliability

Applications:

- Separation of analog and digital circuits
- Prevents interference between PLL and the other digital circuits

HK Series

Features:

- Multilayer inductor made of advance ceramics with low-resistivity silver used as internal conductors provides excellent Q and SRF characteristics
- Designed to address surface mount inductor needs for applications above 100MHz
- Multilayer block structure ensures outstanding reliability, high productivity and product quality

RoHS Compliant **This page of product is compliant.**

Applications:

- Portable telephones, PHS, and pagers
- Miscellaneous high-frequency circuits
- EMI countermeasure in high-frequency circuits

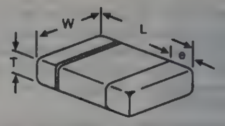
RoHS Compliant

LK Series

Dimensions: mm (in.)				
Style	**L**	**W**	**T**	**e**
LK1005 (0402)	1.00 (.039)	.50 (.020)	.50 (.020)	.25 (.010)
LK1608 (0603)	1.6 (.063)	.8 (.031)	.8 (.031)	.3 (.012)
LK2125 (0805)	2.0 (.079)	1.25 (.049)	.85 1.25 (.033) (.049)	.5 (.020)

CK Series

Dimensions: mm (in.)				
Style	**L**	**W**	**T**	**e**
CK1608 (0603)	1.6 (.063)	.8 (.031)	.8 (.031)	.3 (.012)
CK2125 (0805)	2 (.079)	1.25 (.049)	.85 1.25 (.033) (.049)	.5 (.02)



HK Series

Dimensions: mm (in.)				
Style	**L**	**W**	**T**	**e**
HK0603 (0201)	.6 (.024)	.3 (.012)	.3 (.012)	.15 (.006)
HK1005 (0402)	1 (.039)	.5 (.02)	.5 (.02)	.25 (.01)
HK1608 (0603)	1.6 (.063)	.8 (.031)	.8 (.031)	.3 (.012)
HK2125 (0805)	2 (.79)	1.25 (.049)	.85 1 (.033) (.039)	.5 (.02)

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr — Mfr Part No.	Value µH	Tol. ±	Q Min.	SRF Min.	RDC Min.	Rated Current Max mA	Test Freq. MHz	Price Each 1	50	100	500	Reel Price Ea. 4000
LK Series												
80—LK1608-47NMTK	.047	20%	10	260	0.30	50	50	.25	.22	.16	.14	.082
80—LK1608-68NMTK	.068	20%	10	250	0.30	50	50	.25	.22	.16	.14	.082
80—LK1608-82NMTK	.082	20%	10	245	0.30	50	50	.25	.22	.16	.14	.082
80—LK1608-R10KTK	.10	10%	15	240	0.50	50	25	.25	.22	.16	.14	.082
80—LK1608-R12KTK	.12	10%	15	205	0.50	50	25	.25	.22	.16	.14	.082
80—LK1608-R15KTK	.15	10%	15	180	0.60	50	25	.25	.22	.16	.14	.082
80—LK1608-R18KTK	.18	10%	15	165	0.60	50	25	.25	.22	.16	.14	.082
80—LK1608-R22KTK	.22	10%	15	150	0.80	50	25	.25	.22	.16	.14	.082
80—LK1608-R27KTK	.27	10%	15	136	0.80	50	25	.25	.22	.16	.14	.082
80—LK1608-R33KTK	.33	10%	15	125	0.85	35	25	.25	.22	.16	.14	.082
80—LK1608-R39KTK	.39	10%	15	110	1.00	35	25	.25	.22	.16	.14	.082
80—LK1608-R47KTK	.47	10%	15	105	1.35	35	25	.25	.22	.16	.14	.082
80—LK1608-R56KTK	.56	10%	15	95	1.55	35	25	.25	.22	.16	.14	.082
80—LK1608-R68KTK	.68	10%	15	80	1.70	35	25	.25	.22	.16	.14	.082
80—LK1608-R82KTK	.82	10%	15	75	2.10	35	25	.25	.22	.16	.14	.082
80—LK1608-1R0KTK	1.0	10%	35	70	0.60	25	10	.25	.22	.16	.14	.082
80—LK1608-1R2KTK	1.2	10%	35	45	1.15	15	10	.25	.22	.16	.14	.082
80—LK1608-1R5KTK	1.5	10%	35	55	0.80	25	10	.25	.22	.16	.14	.082
80—LK1608-1R8KTK	1.8	10%	35	50	0.95	25	10	.25	.22	.16	.14	.082
80—LK1608-2R2KTK	2.2	10%	35	45	1.15	15	10	.25	.22	.16	.14	.082
80—LK1608-2R7KTK	2.7	10%	35	40	1.35	15	10	.25	.22	.16	.14	.082
80—LK1608-3R3KTK	3.3	10%	35	38	1.55	15	10	.25	.22	.16	.14	.082
80—LK1608-3R9KTK	3.9	10%	35	36	1.70	15	10	.25	.22	.16	.14	.082
80—LK1608-4R7KTK	4.7	10%	35	33	2.10	15	10	.25	.22	.16	.14	.082
80—LK1608-5R6KTK	5.6	10%	35	22	1.55	5	4	.25	.22	.16	.14	.082
80—LK1608-6R8KTK	6.8	10%	35	20	1.70	5	4	.25	.22	.16	.14	.082
80—LK1608-8R2KTK	8.2	10%	35	18	2.10	5	4	.25	.22	.16	.14	.082
80—LK1608-100KTK	10	10%	35	17	2.55	5	2	.25	.22	.16	.14	.082
80—LK1608-120KTK	12	10%	35	15	2.75	5	2	.25	.22	.16	.14	.082
80—LK1608-150MTK	15	20%	20	14	1.70	1	1	.25	.22	.16	.14	.082
80—LK1608-180MTK	18	20%	20	13	1.85	1	1	.25	.22	.16	.14	.082
80—LK1608-220MTK	22	20%	20	11	2.10	5	4	.25	.22	.16	.14	.082
80—LK1608-270MTK	27	20%	20	10	2.75	1	1	.25	.22	.16	.14	.082
80—LK1608-330MTK	33	20%	20	9	2.95	1	1	.25	.22	.16	.14	.082
CK Series												
80—CK1608-4R7MTK	4.7	20%	35	33	2.10	15	10	.28	.25	.19	.16	.093
80—CK1608-100MTK	10	20%	35	17	2.55	5	2	.28	.25	.19	.16	.093
80—CK2125-R10MTK	.10	20%	15	235	0.16	500	25	.33	.30	.22	.19	.111
80—CK2125-R22MTK	.22	20%	15	170	0.23	400	25	.33	.30	.22	.19	.111
80—CK2125-R47MTK	.47	20%	15	125	0.32	400	25	.33	.30	.22	.19	.111
80—CK2125-1R0MTK	1.0	20%	20	75	0.26	220	10	.33	.30	.22	.19	.111
80—CK2125-2R2MTK	2.2	20%	20	50	0.35	150	10	.33	.30	.22	.19	.111
80—CK2125-4R7MTK	4.7	20%	20	35	0.48	80	10	.33	.30	.22	.19	.111
80—CK2125-100MTK	10	20%	20	24	0.65	60	2	.33	.30	.22	.19	.111
HK Series												
80—HK0603-1N0STK	1	0.3nH	4	10000	0.14	250	100	.12	.10	.08	.07	.039
80—HK0603-1N2STK	1.2	0.3nH	4	10000	0.14	250	100	.12	.10	.08	.07	.039
80—HK0603-1N5STK	1.5	0.3nH	4	10000	0.18	230	100	.12	.10	.08	.07	.039
80—HK0603-1N8STK	1.8	0.3nH	4	10000	0.19	200	100	.12	.10	.08	.07	.039
80—HK0603-2N2STK	2.2	0.3nH	4	8800	1.80	200	100	.12	.10	.08	.07	.039
80—HK0603-2N7STK	2.7	0.3nH	5	7700	0.25	200	100	.12	.10	.08	.07	.039
80—HK0603-3N3STK	3.3	0.3nH	5	6700	0.30	180	100	.12	.10	.08	.07	.039
80—HK0603-3N9STK	3.9	0.3nH	5	6000	0.40	170	100	.12	.10	.08	.07	.039
80—HK0603-4N7STK	4.7	0.3nH	5	5300	0.40	150	100	.12	.10	.08	.07	.039
80—HK0603-5N6STK	5.6	0.3nH	5	4600	0.40	150	100	.12	.10	.08	.07	.039
80—HK0603-6N8JTK	6.8	5%	5	3900	0.48	150	100	.12	.10	.08	.07	.039
80—HK0603-8N2JTK	8.2	5%	5	3400	0.55	150	100	.12	.10	.08	.07	.039
80—HK0603-10NJTK	10	5%	5	2900	0.63	150	100	.12	.10	.08	.07	.039
80—HK0603-12NJTK	12	5%	5	2700	0.70	100	100	.12	.10	.08	.07	.039
80—HK0603-15NJTK	15	5%	5	2300	0.80	100	100	.12	.10	.08	.07	.039
80—HK0603-18NJTK	18	5%	5	2100	0.90	100	100	.12	.10	.08	.07	.039
80—HK0603-22NJTK	22	5%	5	1800	1.20	100	100	.12	.10	.08	.07	.039
80—HK0603-27NJTK	27	5%	4	1800	1.80	50	100	.12	.10	.08	.07	.039
80—HK0603-33NJTK	33	5%	4	1700	2.10	50	100	.12	.10	.08	.07	.039
80—HK0603-39NJTK	39	5%	4	1500	2.40	50	100	.12	.10	.08	.07	.039
80—HK0603-47NJTK	47	5%	4	1300	2.80	50	100	.12	.10	.08	.07	.039
80—HK0603-56NJTK	56	5%	4	1100	3.00	50	100	.12	.10	.08	.07	.039
80—HK0603-68NJTK	68	5%	4	1100	3.00	50	100	.12	.10	.08	.07	.039
80—HK0603-82NJTK	82	5%	4	1000	3.50	50	100	.12	.10	.08	.07	.039
HK Series (cont.)												
80—HK0603-R10JTK	100	0.3nH	4	900	4.00	40	100	.12	.10	.08	.07	.039
80—HK1005-1N0STK	1	0.3nH	8	10000	0.08	300	100	.11	.10	.07	.06	.036
80—HK1005-1N2STK	1.2	0.3nH	8	10000	0.09	300	100	.11	.10	.07	.06	.036
80—HK1005-1N5STK	1.5	0.3nH	8	6000	0.10	300	100	.11	.10	.07	.06	.036
80—HK1005-1N8STK	1.8	0.3nH	8	6000	0.12	300	100	.11	.10	.07	.06	.036
80—HK1005-2N0STK	2	0.3nH	8	6000	0.12	300	100	.11	.10	.07	.06	.036
80—HK1005-2N2STK	2.2	0.3nH	8	6000	0.13	300	100	.11	.10	.07	.06	.036
80—HK1005-2N4STK	2.4	0.3nH	8	6000	0.13	300	100	.11	.10	.07	.06	.036
80—HK1005-2N7STK	2.7	0.3nH	8	6000	0.13	300	100	.11	.10	.07	.06	.036
80—HK1005-3N0STK	3	0.3nH	8	6000	0.16	300	100	.11	.10	.07	.06	.036
80—HK1005-3N3STK	3.3	0.3nH	8	6000	0.16	300	100	.11	.10	.07	.06	.036
80—HK1005-3N6STK	3.6	0.3nH	8	5000	0.20	300	100	.11	.10	.07	.06	.036
80—HK1005-3N9STK	3.9	0.3nH	8	4000	0.21	300	100	.11	.10	.07	.06	.036
80—HK1005-4N3STK	4.3	0.3nH	8	4000	0.20	300	100	.11	.10	.07	.06	.036
80—HK1005-4N7STK	4.7	0.3nH	8	4000	0.21	300	100	.11	.10	.07	.06	.036
80—HK1005-5N1STK	5.1	0.3nH	8	4000	0.21	300	100	.11	.10	.07	.06	.036
80—HK1005-5N6STK	5.6	0.3nH	8	4000	0.23	300	100	.11	.10	.07	.06	.036
80—HK1005-6N2STK	6.2	0.3nH	8	3900	0.25	300	100	.11	.10	.07	.06	.036
80—HK1005-6N8JTK	6.8	5%	8	3900	0.25	300	100	.11	.10	.07	.06	.036
80—HK1005-7N5JTK	7.5	5%	8	3700	0.25	300	100	.11	.10	.07	.06	.036
80—HK1005-8N2JTK	8.2	5%	8	3600	0.28	300	100	.11	.10	.07	.06	.036
80—HK1005-9N1JTK	9.1	5%	8	3400	0.30	300	100	.11	.10	.07	.06	.036
80—HK1005-10NJTK	10	5%	8	3200	0.31	300	100	.11	.10	.07	.06	.036
80—HK1005-12NJTK	12	5%	8	2700	0.40	300	100	.11	.10	.07	.06	.036
80—HK1005-15NJTK	15	5%	8	2300	0.46	300	100	.11	.10	.07	.06	.036
80—HK1005-18NJTK	18	5%	8	2100	0.55	300	100	.11	.10	.07	.06	.036
80—HK1005-22NJTK	22	5%	8	1900	0.60	300	100	.11	.10	.07	.06	.036
80—HK1005-27NJTK	27	5%	8	1600	0.70	300	100	.11	.10	.07	.06	.036
80—HK1005-33NJTK	33	5%	8	1300	0.80	200	100	.11	.10	.07	.06	.036
80—HK1005-39NJTK	39	5%	8	1200	0.90	200	100	.11	.10	.07	.06	.036
80—HK1005-47NJTK	47	5%	8	1000	1.00	200	100	.11	.10	.07	.06	.036
80—HK1005-56NJTK	56	5%	8	750	1.00	200	100	.11	.10	.07	.06	.036
80—HK1005-68NJTK	68	5%	8	750	1.20	180	100	.11	.10	.07	.06	.036
80—HK1005-82NJTK	82	5%	8	600	1.30	150	100	.11	.10	.07	.06	.036
80—HK1005-R10JTK	100	5%	8	600	1.50	150	100	.11	.10	.07	.06	.036
80—HK1005-R12JTK	120	5%	8	2700	0.40	300	100	.11	.10	.07	.06	.036
80—HK1608-1N0STK	1	0.3nH	8	10000	0.05	300	100	.14	.13	.10	.08	.048
80—HK1608-1N2STK	1.2	0.3nH	8	10000	0.05	300	100	.14	.13	.10	.08	.048
80—HK1608-1N5STK	1.5	0.3nH	8	6000	0.10	300	100	.14	.13	.10	.08	.048
80—HK1608-1N8STK	1.8	0.3nH	8	6000	0.10	300	100	.14	.13	.10	.08	.048
80—HK1608-2N2STK	2.2	0.3nH	8	6000	0.10	300	100	.14	.13	.10	.08	.048
80—HK1608-2N7STK	2.7	0.3nH	10	6000	0.10	300	100	.14	.13	.10	.08	.048
80—HK1608-3N3STK	3.3	0.3nH	10	6000	0.12	300	100	.14	.13	.10	.08	.048
80—HK1608-3N9STK	3.9	0.3nH	10	6000	0.14	300	100	.14	.13	.10	.08	.048
80—HK1608-4N7STK	4.7	0.3nH	10	4000	0.16	300	100	.14	.13	.10	.08	.048
80—HK1608-5N6STK	5.6	0.3nH	10	4000	0.18	300	100	.14	.13	.10	.08	.048
80—HK1608-6N8JTK	6.8	5%	10	4000	0.22	300	100	.14	.13	.10	.08	.048
80—HK1608-8N2JTK	8.2	5%	10	3500	0.24	300	100	.14	.13	.10	.08	.048
80—HK1608-10NJTK	10	5%	12	3400	0.26	300	100	.14	.13	.10	.08	.048
80—HK1608-12NJTK	12	5%	12	2600	0.28	300	100	.14	.13	.10	.08	.048
80—HK1608-15NJTK	15	5%	12	2300	0.32	300	100	.14	.13	.10	.08	.048
80—HK1608-18NJTK	18	5%	12	2000	0.35	300	100	.14	.13	.10	.08	.048
80—HK1608-22NJTK	22	5%	12	1600	0.40	300	100	.14	.13	.10	.08	.048
80—HK1608-27NJTK	27	5%	12	1400	0.45	300	100	.14	.13	.10	.08	.048
80—HK1608-33NJTK	33	5%	12	1200	0.55	300	100	.14	.13	.10	.08	.048
80—HK1608-39NJTK	39	5%	12	1100	0.60	300	100	.14	.13	.10	.08	.048
80—HK1608-47NJTK	47	5%	12	900	0.70	300	100	.14	.13	.10	.08	.048
80—HK1608-56NJTK	56	5%	12	900	0.75	300	100	.14	.13	.10	.08	.048
80—HK1608-68NJTK	68	5%	12	700	0.85	300	100	.14	.13	.10	.08	.048
80—HK1608-82NJTK	82	5%	12	600	0.95	300	100	.14	.13	.10	.08	.048
80—HK1608-R10JTK	100	5%	12	600	1.00	300	100	.14	.13	.10	.08	.048
80—HK1608-R12JTK	120	5%	8	500	1.20	300	50	.14	.13	.10	.08	.048
80—HK1608-R15JTK	150	5%	8	500	1.20	300	50	.14	.13	.10	.08	.048
80—HK1608-R18JTK	180	5%	8	400	1.30	300	50	.14	.13	.10	.08	.048
80—HK1608-R22JTK	220	5%	8	400	1.50	300	50	.14	.13	.10	.08	.048
80—HK1608-R27JTK	270	5%	8	400	1.90	150	50	.14	.13	.10	.08	.048
80—HK1608-R33JTK	330	5%	8	350	2.10	150	50	.14	.13	.10	.08	.048
80—HK1608-R39JTK	390	5%	8	350	2.30	150	50	.14	.13	.10	.08	.048
80—HK1608-R47JTK	470	5%	8	300	2.60	150	50	.14	.13	.10	.08	.048

KEMET Wound Chip Inductors

KEMET
CHARGED

RoHS Compliant **This page of product is compliant.**

LB AND LBMF SERIES

Wound Chip Inductors that cover customers' wide range module design by wide-line-up shape, standard, low Rdc, and high electric current series

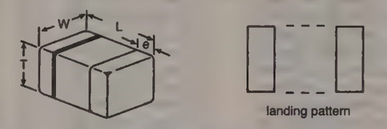
For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr — Mfr Part No.	Value µH	Tol. ±	SFR (MHz)	DC Res. (Ω)	Rated Current	Test Freq. (MHz)	Price Each				Reel Qty.	Reel Price Ea
							1	50	100	500		
80—LB2012-T1R0MK	1.0	20%	100	.15	405	7.960	.31	.28	.25	.21	3,000	.15
80—LB2012-T2R2MK	2.2	20%	80	.23	260	7.960	.31	.28	.25	.21	3,000	.15
80—LB2012-T4R7MK	4.7	20%	45	.4	190	7.960	.31	.28	.25	.21	3,000	.15
80—LB2012-T100KK	100	10%	32	.7	120	7.960	.31	.28	.25	.21	3,000	.15
80—LB2012-T101KK	101	10%	8	7	45	0.796	.31	.28	.25	.21	3,000	.15
80—LB2012-T220KK	220	10%	16	1.7	80	2.520	.31	.28	.25	.21	3,000	.15
80—LB2012-T470KK	470	10%	11	3.7	60	2.520	.31	.28	.25	.21	3,000	.15
80—LB2016-T1R0MK	1.0	20%	100	.09	490	7.960	.31	.28	.25	.21	2,000	.15
80—LB2016-T2R2MK	2.2	20%	70	.13	375	7.960	.31	.28	.25	.21	2,000	.15
80—LB2016-T4R7MK	4.7	20%	45	.25	225	7.960	.31	.28	.25	.21	2,000	.15
80—LB2016-T100KK	100	10%	32	.5	155	7.960	.31	.28	.25	.21	2,000	.15
80—LB2016-T220KK	220	10%	16	1	105	2.520	.31	.28	.25	.21	2,000	.15
80—LB2016-T470KK	470	10%	11	2.4	70	2.520	.31	.28	.25	.21	2,000	.15
80—LB2016-T101KK	101	10%	8	4.5	40	0.796	.31	.28	.25	.21	2,000	.15
80—LB2518-T1R0MK	1.0	20%	100	.06	665	7.960	.29	.26	.23	.20	2,000	.14
80—LB2518-T2R2MK	2.2	20%	68	.09	340	7.960	.29	.26	.23	.20	2,000	.14
80—LB2518-T4R7MK	4.7	20%	46	.13	240	7.960	.29	.26	.23	.20	2,000	.14
80—LB2518-T100KK	100	10%	30	.25	165	7.960	.29	.26	.23	.20	2,000	.14
80—LB2518-T220KK	220	10%	19	.5	115	2.520	.29	.26	.23	.20	2,000	.14
80—LB2518-T470KK	470	10%	12	.95	85	2.520	.29	.26	.23	.20	2,000	.14
80—LB2518-T101KK	101	10%	9	2.1	60	0.796	.29	.26	.23	.20	2,000	.14
80—LB2518-T221KK	221	10%	5.5	4.5	40	2.520	.29	.26	.23	.20	2,000	.14
80—LB2518-T471KK	471	10%	3.5	10	25	0.796	.29	.26	.23	.20	2,000	.14
80—LB2518-T102KK	102	10%	2.4	24	15	0.252	.29	.26	.23	.20	2,000	.14
80—LB3218-T1R0MK	1.0	20%	100	.06	1075	7.960	.35	.32	.28	.24	2,000	.17
80—LB3218-T2R2MK	2.2	20%	68	.09	775	7.960	.35	.32	.28	.24	2,000	.17
80—LB3218-T4R7MK	4.7	20%	41	.13	550	7.960	.35	.32	.28	.24	2,000	.17
80—LB3218-T100KK	100	10%	30	.25	340	7.960	.35	.32	.28	.24	2,000	.17
80—LB3218-T220KK	220	10%	19	.49	255	2.520	.35	.32	.28	.24	2,000	.17
80—LB3218-T470KK	470	10%	12	.92	205	2.520	.35	.32	.28	.24	2,000	.17
80—LB3218-T101KK	101	10%	8	2.4	140	0.796	.35	.32	.28	.24	2,000	.17
80—LB3218-T221KK	221	10%	5	5.4	80	0.796	.35	.32	.28	.24	2,000	.17
80—LB3218-T471KK	471	10%	3	14	50	0.796	.35	.32	.28	.24	2,000	.17
80—LB3218-T102KK	102	10%	2	27	40	0.252	.35	.32	.28	.24	2,000	.17
80—LBMF1608T1R0MK	1.0	20%	100	.09	230	7.960	.49	.44	.39	.34	3,000	.24
80—LBMF1608T2R2MK	2.2	20%	80	.17	150	7.960	.49	.44	.39	.34	3,000	.24
80—LBMF1608T4R7MK	4.7	10%	45	.24	100	7.960	.49	.44	.39	.34	3,000	.24
80—LBMF1608T100KK	100	10%	32	.36	80	7.960	.49	.44	.39	.34	3,000	.24
80—LBMF1608T220KK	220	10%	16	1	50	2.520	.49	.44	.39	.34	3,000	.24
80—LBMF1608T470KK	470	20%	11	2.5	35	2.520	.49	.44	.39	.34	3,000	.24

Features:
- LB/LBR series: Super low Rdc and high Idc characteristics
- LBC Series: Super high Idc and low Rdc characteristics
- LB3218 Series: This series are downsized from 3225 size Land pattern can be used by 3225 size
- LBMF1608 Series: The best efficiency design is achieved by adopting bottom-surface electrode structure. Because of 1608 shaper, it can be mounted at high density

Applications:
- DSC/DVC/HDD, LCD, portable telephones, game equipment, various audio-visual equipment, various communication equipment, etc.

RoHS Compliant



Dimensions: mm (in.)

Style	L	W	T	e
LB3218	3.2	1.8	1.8	.6
LB2518/ LBC2518/ LBR2518	2.5±.2 (.098)	1.8±.2 (.071)	1.8±.2 (.071)	.5 (.020)
LB2016/ LBC2016	2 (.079)	1.6 (.063)	1.6 (.063)	.5 (.02)
LB2012/ LBC2012/ LBR2012	2 (.079)	1.25 (.049)	1.25 (.049)	.5 (.02)
LB1608	1.6 (.063)	.8 (.031)	.8 (.031)	.35 (.014)
LBMF1608	1.6 (.063)	.8 (.031)	.8 (.031)	.4 (.016)

CB AND CBMF SERIES

This series corresponds to high electric current compared with LB/LBC series

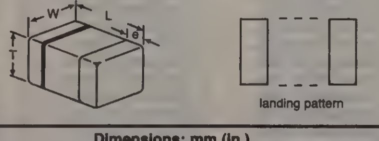
For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr — Mfr Part No.	Value µH	Tol. ±	SFR (MHz)	DC Res. (Ω)	Rated Current	Test Freq. (MHz)	Price Each				Reel Qty.	Reel Price Ea
							1	50	100	500		
80—CBC2012T1R0M-K	1.0	20%	100	.19	620	7.960	.52	.47	.42	.36	3,000	.26
80—CBC2012T2R2M-K	2.2	20%	70	.33	430	7.960	.52	.47	.42	.36	3,000	.26
80—CBC2012T4R7M-K	4.7	20%	45	.5	295	7.960	.52	.47	.42	.36	3,000	.26
80—CBC2012T100M-K	100	20%	40	1.2	200	7.960	.52	.47	.42	.36	3,000	.26
80—CBC2012T220M-K	220	20%	16	3.7	130	2.520	.52	.47	.42	.36	3,000	.26
80—CBC2012T470M-K	470	20%	11	5.8	90	2.520	.52	.47	.42	.36	3,000	.26
80—CBL2012T2R2M-K	2.2	20%	80	.39	440	7.960	.70	.63	.56	.49	4,000	.35
80—CBL2012T4R7M-K	4.7	20%	45	.66	275	7.960	.70	.63	.56	.49	4,000	.35
80—CBL2012T100M-K	100	20%	32	1	205	7.960	.70	.63	.56	.49	4,000	.35
80—CBL2012T220M-K	220	20%	23	2.1	150	2.520	.70	.63	.56	.49	4,000	.35
80—CBL2012T470M-K	470	20%	11	4.2	100	2.520	.70	.63	.56	.49	4,000	.35
80—CBC2016T100M-K	100	20%	32	.82	245	7.960	.49	.44	.39	.34	2,000	.24
80—CBC2016T101M-K	101	20%	8	8	75	0.796	.49	.44	.39	.34	2,000	.24
80—CBC2016T1R0M-K	1.0	20%	100	.1	690	7.960	.49	.44	.39	.34	2,000	.24
80—CBC2016T220M-K	220	20%	16	1.8	165	2.520	.49	.44	.39	.34	2,000	.24
80—CBC2016T2R2M-K	2.2	20%	70	.2	520	7.960	.49	.44	.39	.34	2,000	.24
80—CBC2016T470M-K	470	20%	11	4.3	110	2,520	.49	.44	.39	.34	2,000	.24
80—CBC2016T4R7M-K	4.7	20%	45	.37	355	7.960	.49	.44	.39	.34	2,000	.24
80—CBC2518T100M-K	100	20%	30	.36	375	7.960	.49	.44	.39	.34	2,000	.24
80—CBC2518T101M-K	101	20%	9	3.7	125	0.796	.49	.44	.39	.34	2,000	.24
80—CBC2518T1R0M-K	1.0	20%	100	.08	775	7.960	.49	.44	.39	.34	2,000	.24
80—CBC2518T220M-K	220	20%	19	.77	250	2.520	.49	.44	.39	.34	2,000	.24
80—CBC2518T221M-K	221	20%	5.5	8.4	80	0.796	.49	.44	.39	.34	2,000	.24
80—CBC2518T2R2M-K	2.2	20%	2.2	68	0	7.960	.49	.44	.39	.34	2,000	.24
80—CBC2518T470M-K	470	20%	12	1.9	165	2.520	.49	.44	.39	.34	2,000	.24
80—CBC2518T471M-K	471	20%	4.5	22	50	0.796	.49	.44	.39	.34	2,000	.24
80—CBC2518T4R7M-K	4.7	20%	41	.2	510	7.960	.49	.44	.39	.34	2,000	.24
80—CBC3225T1R0MRK	1.0	20%	250	.055	1400	7.960	.70	.63	.56	.49	1,000	.35
80—CBC3225T2R2MRK	2.2	20%	220	.08	1130	7.960	.70	.63	.56	.49	1,000	.35
80—CBC3225T4R7MRK	4.7	20%	70	.1	1010	7.960	.70	.63	.56	.49	1,000	.35
80—CBC3225T100MRK	100	20%	23	.133	900	7.960	.70	.63	.56	.49	1,000	.35
80—CBC3225T220MRK	220	20%	17	.27	620	2.520	.70	.63	.56	.49	1,000	.35
80—CBC3225T470MRK	470	20%	10	.67	390	2.520	.70	.63	.56	.49	1,000	.35
80—CBC3225T101MRK	101	20%	6	1.4	270	0.796	.70	.63	.56	.49	1,000	.35
80—CBMF1608T1R0MK	1.0	20%	100	.09	230	7.960	.52	.47	.42	.36	3,000	.26
80—CBMF1608T2R2MK	2.2	20%	80	.17	150	7.960	.52	.47	.42	.36	3,000	.26
80—CBMF1608T4R7MK	4.7	20%	45	.24	100	7.960	.52	.47	.42	.36	3,000	.26
80—CBMF1608T100KK	100	10%	32	.36	80	7.960	.52	.47	.42	.36	3,000	.26
80—CBMF1608T220KK	220	10%	16	1	50	2.520	.52	.47	.42	.36	3,000	.26
80—CBMF1608T470KK	470	10%	11	2.5	35	2.520	.52	.47	.42	.36	3,000	.26

Features:
- Wound chip inductors that can be used for small DC/DC converters, and are suitable for choke uses
- CBMF1608 Series: The best efficiency design is achieved by adopting bottom-surface electrode structure
- Wound chip inductors are suitable for module design which need high electric current, like DC/DC converters

Applications:
- DSC/DVC/HDD, LCD, portable telephones, game equipment, various audio-visual equipment, various communication equipment, etc.

RoHS Compliant



Dimensions: mm (in.)

Style	L	W	T	e
CBC3225	3.2 (.126)	2.5 (.098)	2.5 (.098)	.6 (.024)
CB2518 CBC2518	2.5 (.098)	1.8 (.071)	1.8 (.071)	.5 (.02)
CB2016 CBC2016	2 (.079)	1.25 (.049)	1.25 (.049)	.5 (.02)
CB2012 CBC2012	2 (.079)	1.25 (.049)	1.25 (.049)	.5 (.02)
CBL2012	2 (.079)	1.25 (.049)	.9 (.035)	.5 (.02)
CBMF1608	1.6 (.063)	.8 (.031)	.8 (.031)	.4 (.015)

MURATA SMD Inductors

RoHS Compliant This page of product is compliant.

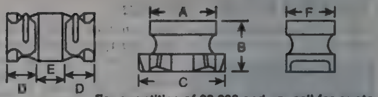
LQH SERIES CHOKE WINDING TYPE FERRITE CORE (CONT.)

The LQH31C series consists of miniature chip inductors with low DC resistance, high current capacity, and high impedance characteristics. It is suitable for use as choke coils in DC power supply circuits.

DIMENSIONS: mm

Series	A	B	C	D	E	F
LQH31CN	2.3±0.2	1.8±0.2	3.2±0.3	0.7 Min.	0.7 Min.	1.6±0.2
LQH32CN	2.5±0.2	2.0±0.2	3.2±0.3	0.9±0.3	1.3±0.2	2.5±0.2
LQH43CN	3.6±0.2	2.6±0.2	4.5±0.3	1.0 Min.	1.0 Min.	3.2±0.2

RoHS Compliant



For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	25	100	1000		
81-LQH32CN1R0M33L	LQH32CN1R0M33L	1210	1.0	20%	-	1	96	0.09	800	.40	.20	.18	.16	2000	.13
81-LQH32CN2R2M23L	LQH32CN2R2M23L	1210	2.2	20%	-	1	64	0.13	600	.40	.20	.18	.16	2000	.13
81-LQH32CN2R2M33L	LQH32CN2R2M33L	1210	2.2	20%	-	1	64	0.13	600	.40	.20	.18	.16	2000	.13
81-LQH32CN2R2M53L	LQH32CN2R2M53L	1210	2.2	20%	-	1	64	0.13	600	.40	.20	.18	.16	2000	.13
81-LQH32CN4R7M23L	LQH32CN4R7M23L	1210	4.7	20%	-	1	43	0.20	450	.40	.20	.18	.16	2000	.13
81-LQH32CN4R7M33L	LQH32CN4R7M33L	1210	4.7	20%	-	1	43	0.20	450	.40	.20	.18	.16	2000	.13
81-LQH32CN4R7M53L	LQH32CN4R7M53L	1210	4.7	20%	-	1	43	0.20	450	.40	.20	.18	.16	2000	.13
81-LQH32CN100K23L	LQH32CN100K23L	1210	10	10%	-	1	26	0.44	300	.40	.20	.18	.16	2000	.13
81-LQH32CN100K33L	LQH32CN100K33L	1210	10	10%	-	1	26	0.44	300	.40	.20	.18	.16	2000	.13
81-LQH32CN100K53L	LQH32CN100K53L	1210	10	10%	-	1	26	0.44	300	.40	.20	.18	.16	2000	.13
81-LQH32CN220K23L	LQH32CN220K23L	1210	22	10%	-	1	19	0.71	250	.40	.20	.18	.16	2000	.13
81-LQH32CN470K23L	LQH32CN470K23L	1210	47	10%	-	1	15	1.3	170	.40	.20	.18	.16	2000	.13
81-LQH32CN101K23L	LQH32CN101K23L	1210	100	10%	-	1	10	3.5	100	.40	.20	.18	.16	2000	.13
81-LQH32CN561K23L	LQH32CN561K23L	1210	560	10%	-	1	5	22	60	.40	.20	.18	.16	2000	.13
81-LQH43CN1R0M03L	LQH43CN1R0M03L	1812	1.0	20%	-	1	100	0.08	1080	.57	.43	.34	.31	500	.29
81-LQH43CN2R2M03L	LQH43CN2R2M03L	1812	2.2	20%	-	1	60	0.11	900	.57	.43	.34	.31	500	.29
81-LQH43CN4R7M03L	LQH43CN4R7M03L	1812	4.7	20%	-	1	35	0.15	750	.57	.43	.34	.31	500	.29
81-LQH43CN100K03L	LQH43CN100K03L	1812	10	10%	-	1	23	0.24	650	.57	.43	.34	.31	500	.29
81-LQH43CN150K03L	LQH43CN150K03L	1812	15	10%	-	1	20	0.32	570	.66	.49	.45	.41	500	.35
81-LQH43CN220K03L	LQH43CN220K03L	1812	22	10%	-	1	15	0.60	420	.66	.49	.45	.41	500	.35
81-LQH43CN330K03L	LQH43CN330K03L	1812	33	10%	-	1	12	1.0	310	.66	.49	.45	.41	500	.35
81-LQH43CN470K03L	LQH43CN470K03L	1812	47	10%	-	1	10	1.1	280	.66	.49	.45	.41	500	.35
81-LQH43CN680K03L	LQH43CN680K03L	1812	68	10%	-	1	8.4	1.7	220	.66	.49	.45	.41	500	.35
81-LQH43CN101K03L	LQH43CN101K03L	1812	100	10%	-	1	6.8	2.2	190	.66	.49	.45	.41	500	.35
81-LQH43CN221K03L	LQH43CN221K03L	1812	220	10%	-	1	4.5	4.0	110	.66	.49	.45	.41	500	.35
81-LQH43CN331K03L	LQH43CN331K03L	1812	330	10%	-	1	3.6	6.8	100	.66	.49	.45	.41	500	.35
81-LQH43CN471K03L	LQH43CN471K03L	1812	470	10%	-	1	3.0	8.5	90	.66	.49	.45	.41	500	.35
81-LQH55DN1R0M03L	LQH55DN1R0M03L	2220	1.0	20%	-	1	150	0.019	4000	2.58	1.29	1.17	1.06	350	.85
81-LQH55DN3R3M03L	LQH55DN3R3M03L	2220	3.3	20%	-	1	40	0.036	2900	2.58	1.29	1.17	1.06	350	.85
81-LQH55DN4R7M03L	LQH55DN4R7M03L	2220	4.7	20%	-	1	30	0.041	2700	2.58	1.29	1.17	1.06	350	.85
81-LQH55DN330M03L	LQH55DN330M03L	2220	33	20%	-	1	12	0.32	900	2.58	1.29	1.17	1.06	350	.85
81-LQH55DN470M03L	LQH55DN470M03L	2220	47	20%	-	1	10	0.40	800	2.58	1.29	1.17	1.06	350	.85
81-LQH55DN101M03L	LQH55DN101M03L	2220	100	20%	-	1	6.5	0.86	560	2.58	1.29	1.17	1.06	350	.85
81-LQH55DN331M03L	LQH55DN331M03L	2220	330	20%	-	1	3.1	4.4	270	2.58	1.29	1.17	1.06	350	.85
81-LQH55DN103M03L	LQH55DN103M03L	2220	10000	20%	-	1	0.5	100	50	2.58	1.29	1.17	1.06	350	.85
81-LQH31MN1R0M03L	LQH31MN1R0M03L	1206	1.0	20%	35	1	100	0.49	175	1.11	1.01	.85	.59	2000	.49
81-LQH31MN4R7K03L	LQH31MN4R7K03L	1206	4.7	10%	35	1	31	1.7	120	1.11	1.01	.85	.59	2000	.49
81-LQH31MN100K03L	LQH31MN100K03L	1206	10	10%	35	5	20	2.5	100	1.11	1.01	.85	.59	2000	.49
81-LQH31MN470K03L	LQH31MN470K03L	1206	47	10%	40	2.5	10	8	55	1.11	1.01	.85	.59	2000	.49
81-LQH31MN101K03L	LQH31MN101K03L	1206	100	10%	40	2.5	7	12	45	1.11	1.01	.85	.59	2000	.49
81-LQH32MN1R0M23L	LQH32MN1R0M23L	1210	1.0	20%	20	1	100	0.50	445	.41	.36	.32	.22	2000	.19
81-LQH32MN2R2K23L	LQH32MN2R2K23L	1210	2.2	10%	20	1	50	0.80	370	.41	.36	.32	.22	2000	.19
81-LQH32MN4R7K23L	LQH32MN4R7K23L	1210	4.7	10%	20	1	31	1.2	270	.41	.36	.32	.22	2000	.19
81-LQH32MN6R8K23L	LQH32MN6R8K23L	1210	6.8	10%	20	1	25	1.5	240	.41	.36	.32	.22	2000	.19
81-LQH32MN100J23L	LQH32MN100J23L	1210	10	0.05	35	1	20	1.8	190	.41	.36	.32	.22	2000	.19
81-LQH32MN100K23L	LQH32MN100K23L	1210	10	10%	35	1	20	1.8	190	.41	.36	.32	.22	2000	.19
81-LQH32MN220J23L	LQH32MN220J23L	1210	22	0.05	35	1	14	2.8	150	.41	.36	.32	.22	2000	.19
81-LQH32MN390J23L	LQH32MN390J23L	1210	39	0.05	40	1	11	3.9	110	.41	.36	.32	.22	2000	.19
81-LQH32MN470J23L	LQH32MN470J23L	1210	47	0.05	40	1	11	4.3	170	.41	.36	.32	.22	2000	.19
81-LQH32MN470K23L	LQH32MN470K23L	1210	47	10%	40	1	11	4.3	100	.41	.36	.32	.22	2000	.19
81-LQH32MN680J23L	LQH32MN680J23L	1210	68	0.05	40	1	9	5.5	80	.41	.36	.32	.22	2000	.19
81-LQH32MN820J23L	LQH32MN820J23L	1210	82	0.05	40	1	8.5	6.2	70	.41	.36	.32	.22	2000	.19
81-LQH32MN101J23L	LQH32MN101J23L	1210	100	0.05	40	1	8	7.0	80	.41	.36	.32	.22	2000	.19
81-LQH32MN101K23L	LQH32MN101K23L	1210	100	10%	40	1	8	7.0	80	.41	.36	.32	.22	2000	.19
81-LQH32MN221J23L	LQH32MN221J23L	1210	220	0.05	40	1	5.5	11.8	65	.41	.36	.32	.22	2000	.19
81-LQH32MN221K23L	LQH32MN221K23L	1210	220	10%	40	1	5.5	11.8	65	.41	.36	.32	.22	2000	.19
81-LQH32MN561K23L	LQH32MN561K23L	1210	560	10%	40	1	5	28	40	.41	.36	.32	.22	2000	.19
81-LQH43MN1R0M03L	LQH43MN1R0M03L	1812	1.0	20%	20	1	120	0.20	500	.75	.56	.41	.39	500	.35
81-LQH43MN4R7K03L	LQH43MN4R7K03L	1812	4.7	10%	30	1	38	0.40	500	.75	.56	.41	.39	500	.35
81-LQH43MN100K03L	LQH43MN100K03L	1812	10	10%	35	1	23	0.56	400	.64	.47	.35	.33	500	.31
81-LQH43MN150J03L	LQH43MN150J03L	1812	15	5%	35	1	19	0.73	360	.64	.47	.35	.33	500	.31
81-LQH43MN150K03L	LQH43MN150K03L	1812	15	10%	35	1	19	0.73	360	.64	.47	.35	.33	500	.31
81-LQH43MN180J03L	LQH43MN180J03L	1812	18	5%	35	1	17	0.82	340	.64	.47	.35	.33	500	.31
81-LQH43MN220K03L	LQH43MN220K03L	1812	22	10%	35	1	15	0.94	320	.64	.47	.35	.33	500	.31
81-LQH43MN270J03L	LQH43MN270J03L	1812	27	5%	35	1	14	1.1	270	.64	.47	.35	.33	500	.31
81-LQH43MN330K03L	LQH43MN330K03L	1812	33	10%	35	1	12	1.2	270	.64	.47	.35	.33	500	.31
81-LQH43MN470J03L	LQH43MN470J03L	1812	47	5%	35	1	10	1.5	220	.64	.47	.35	.33	500	.31
81-LQH43MN820J03L	LQH43MN820J03L	1812	82	10%	35	1	7.5	2.2	170	.64	.47	.35	.33	500	.31
81-LQH43MN101J03L	LQH43MN101J03L	1812	100	5%	40	1	6.8	2.5	160	.64	.47	.35	.33	500	.31
81-LQH43MN101K03L	LQH43MN101K03L	1812	100	10%	40	1	6.8	2.5	160	.64	.47	.35	.33	500	.31
81-LQH43MN151K03L	LQH43MN151K03L	1812	150	10%	40	1	5.5	3.7	130	.64	.47	.35	.33	500	.31
81-LQH43MN221J03L	LQH43MN221J03L	1812	220	5%	40	1	4.5	5.4	110	.64	.47	.35	.33	500	.31
81-LQH43MN331J03L	LQH43MN331J03L	1812	330	5%	40	1	3.6	8.2	95	.64	.47	.35	.33	500	.31
81-LQH43MN561J03L	LQH43MN561J03L	1812	560	5%	40	1	2.7	14.5	70	.64	.47	.35	.33	500	.31
81-LQH43MN561K03L	LQH43MN561K03L	1812	560	10%	40	1	2.7	14.5	70	.64	.47	.35	.33	500	.31
81-LQH43MN681J03L	LQH43MN681J03L	1812	680	5%	40	1	2.5	17	65	.64	.47	.35	.33	500	.31
81-LQH43MN821K03L	LQH43MN821K03L	1812	820	10%	40	1	2.2	20.5	60	.64	.47	.35	.33	500	.31
81-LQH43MN102J03L	LQH43MN102J03L	1812	1000	5%	40	1	2.0	25	50	.78	.65	.58	.49	500	.45
81-LQH43MN102K03L	LQH43MN102K03L	1812	1000	10%	40	1	2.0	25	50	.78	.65	.58	.49	500	.45
81-LQH43NN222K03L	LQH43NN222K03L	1812	2200	10%	40	1	1.3	50	30	.78	.65	.58	.49	500	.45
81-LQH66SN2R2M03L	LQH66SN2R2M03L	2525	2.2	20%	-	1	80	0.019	3300	3.48	1.74	1.58	1.44	350	1.15
81-LQH66SN4R7M03L	LQH66SN4R7M03L	2525	4.7	20%	-	1	30	0.025	2200	3.48	1.74	1.58	1.44	350	1.15
81-LQH66SN150M03L	LQH66SN150M03L	2525	15	20%	-	1	17	0.069	1300	3.48	1.74	1.58	1.44	350	1.15
81-LQH66SN220M03L	LQH66SN220M03L	2525	22	20%	-	1	15	0.087	1100	3.48	1.74	1.58	1.44	350	1.15
81-LQH66SN330M03L	LQH66SN330M03L	2525	33	20%	-	1	12	0.14	860	3.48	1.74	1.58	1.44	350	1.15
81-LQH66SN101M03L	LQH66SN101M03L	2525	100	20%	-	1	6.5	0.36	520	3.48	1.74	1.58	1.44	350	1.15
81-LQH66SN471M03L	LQH66SN471M03L	2525	470	20%	-	1	2.5	2.2	240	3.48	1.74	1.58	1.44	350	1.15
81-LQH66SN681M03L	LQH66SN681M03L	2525	680	20%	-	1	2.0	3.9	200	3.48	1.74	1.58	1.44	350	1.15

MURATA SMD Inductors

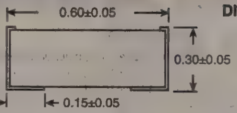
LQP SERIES HIGH FREQUENCY FILM TYPE

RoHS Compliant **This page of product is compliant.**

LQP03T series using Murata's original thin film technology contributes further to miniaturizing high performance equipment due to small case size and high Q-value.

Applications:

- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general



DIMENSIONS: mm

RoHS Compliant

For quantities of 20,000 and up, call for quote.

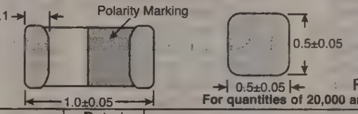
MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	25	100	1000		
81-LQP03TN1N0C00D	LQP03TN1N0C00D	0201	1.0	0.2nH	11	500	6000	0.10	400	.26	.13	.12	.11	10000	.088
81-LQP03TN1N5B00D	LQP03TN1N5B00D	0201	1.5	0.1nH	11	500	6000	0.16	280	.30	.17	.16	.15	10000	.13
81-LQP03TN1N8C00D	LQP03TN1N8C00D	0201	1.8	0.2nH	13	500	6000	0.16	280	.26	.13	.12	.11	10000	.088
81-LQP03TN2N2C00D	LQP03TN2N2C00D	0201	2.2	0.2nH	11	500	6000	0.18	220	.26	.13	.12	.11	10000	.088
81-LQP03TN2N7C00D	LQP03TN2N7C00D	0201	2.7	0.2nH	11	500	6000	0.21	220	.26	.13	.12	.11	10000	.088
81-LQP03TN3N0B00D	LQP03TN3N0B00D	0201	3.0	0.1nH	13	500	6000	0.20	190	.30	.17	.16	.15	10000	.13
81-LQP03TN3N3C00D	LQP03TN3N3C00D	0201	3.3	0.2nH	13	500	6000	0.20	190	.26	.13	.12	.11	10000	.088
81-LQP03TN4N7J00D	LQP03TN4N7J00D	0201	4.7	5%	13	500	6000	0.40	160	.26	.13	.12	.11	10000	.088
81-LQP03TN8N2J00D	LQP03TN8N2J00D	0201	8.2	5%	13	500	5500	0.86	110	.26	.13	.12	.11	10000	.088
81-LQP03TN10NJ00D	LQP03TN10NJ00D	0201	10	5%	13	500	4500	1.1	100	.26	.13	.12	.11	10000	.088
81-LQP03TN18NJ00D	LQP03TN18NJ00D	0201	18	5%	11	500	3100	1.6	80	.26	.13	.12	.11	10000	.088
81-LQP03TN27NH00D	LQP03TN27NH00D	0201	27	3%	11	500	2500	2.9	70	.26	.13	.12	.11	10000	.088
81-LQP03TN27NJ00D	LQP03TN27NJ00D	0201	27	5%	11	500	2500	2.9	70	.26	.13	.12	.11	10000	.088
81-LQP15MN1N0B02D	LQP15MN1N0B02D	0402	1.0	0.1nH	13	500	6000	0.10	400	.21	.18	.17	.11	10000	.09
81-LQP15MN1N5B02D	LQP15MN1N5B02D	0402	1.5	0.1nH	13	500	6000	0.20	280	.21	.18	.17	.11	10000	.09
81-LQP15MN2N0B02D	LQP15MN2N0B02D	0402	2.0	0.1nH	13	500	6000	0.30	220	.21	.18	.17	.11	10000	.09
81-LQP15MN2N7B02D	LQP15MN2N7B02D	0402	2.7	0.1nH	13	500	6000	0.30	220	.21	.18	.17	.11	10000	.09
81-LQP15MN3N0B02D	LQP15MN3N0B02D	0402	3.0	0.1nH	13	500	6000	0.40	190	.21	.18	.17	.11	10000	.09
81-LQP15MN3N0B02D	LQP15MN3N3B02D	0402	3.3	0.1nH	13	500	6000	0.40	190	.21	.18	.17	.11	10000	.09
81-LQP15MN3N6B02D	LQP15MN3N6B02D	0402	3.6	0.1nH	13	500	6000	0.50	170	.21	.18	.17	.11	10000	.09
81-LQP15MN4N3B02D	LQP15MN4N3B02D	0402	4.3	0.1nH	13	500	6000	0.60	160	.21	.18	.17	.11	10000	.09
81-LQP15MN4N7B02D	LQP15MN4N7B02D	0402	4.7	0.1nH	13	500	6000	0.60	160	.21	.18	.17	.11	10000	.09
81-LQP15MN5N6B02D	LQP15MN5N6B02D	0402	5.6	0.1nH	13	500	6000	0.70	140	.21	.18	.17	.11	10000	.09
81-LQP15MN8N2B02D	LQP15MN8N2B02D	0402	8.2	0.1nH	13	500	5500	1.1	110	.21	.18	.17	.11	10000	.09
81-LQP15MN15NG02D	LQP15MN15NG02D	0402	15	2%	13	500	3300	1.8	90	.21	.18	.17	.11	10000	.09
81-LQP15MN18NG02D	LQP15MN18NG02D	0402	18	2%	13	500	3100	2.0	80	.21	.18	.17	.11	10000	.09
81-LQP15MN22NG02D	LQP15MN22NG02D	0402	22	2%	13	500	2800	2.6	70	.21	.18	.17	.11	10000	.09
81-LQP15MN33NG02D	LQP15MN33NG02D	0402	33	2%	13	500	2100	3.8	60	.21	.18	.17	.11	10000	.09
81-LQP18MN1N5C02D	LQP18MN1N5C02D	0603	1.5	0.2nH	17	500	6000	0.30	300	.40	.35	.31	.22	4000	.19
81-LQP18MN2N7C02D	LQP18MN2N7C02D	0603	2.7	0.2nH	17	500	6000	0.40	250	.40	.35	.31	.22	4000	.19
81-LQP18MN3N3C02D	LQP18MN3N3C02D	0603	3.3	0.2nH	17	500	6000	0.40	250	.40	.35	.31	.22	4000	.19
81-LQP18MN3N9C02D	LQP18MN3N9C02D	0603	3.9	0.2nH	17	500	5900	0.50	200	.40	.35	.31	.22	4000	.19
81-LQP18MN4N7C02D	LQP18MN4N7C02D	0603	4.7	0.2nH	17	500	5200	0.50	200	.40	.35	.31	.22	4000	.19
81-LQP18MN5N6C02D	LQP18MN5N6C02D	0603	5.6	0.2nH	17	500	4700	0.60	200	.40	.35	.31	.22	4000	.19
81-LQP18MN6N8C02D	LQP18MN6N8C02D	0603	6.8	0.2nH	17	500	4300	0.70	200	.40	.35	.31	.22	4000	.19
81-LQP18MN8N2C02D	LQP18MN8N2C02D	0603	8.2	0.2nH	17	500	3600	0.80	150	.40	.35	.31	.22	4000	.19
81-LQP18MN10NG02D	LQP18MN10NG02D	0603	10	2%	17	500	3400	1.0	150	.40	.35	.31	.22	4000	.19
81-LQP18MN12NG02D	LQP18MN12NG02D	0603	12	2%	17	500	3000	1.0	150	.40	.35	.31	.22	4000	.19
81-LQP18MN15NG02D	LQP18MN15NG02D	0603	15	2%	17	500	2700	1.3	150	.40	.35	.31	.22	4000	.19
81-LQP18MN47NG02D	LQP18MN47NG02D	0603	47	2%	17	300	1200	2.2	100	.40	.35	.31	.22	4000	.19

LQG HIGH FREQUENCY MULTILAYER TYPE AIR CORE COIL

The LQG15HS series are chip inductors specifically designed for high frequency applications. The LQG15H series is designed to realize stable characteristics in high frequency range applying integrated multilayer process.

Applications:

- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general



RoHS Compliant

For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	25	100	1000		
81-LQG15HS1N0S02D	LQG15HS1N0S02D	0402	1.0	0.3nH	8	100	10000	0.07	300	.12	.09	.078	.062	10000	.055
81-LQG15HS1N2S02D	LQG15HS1N2S02D	0402	1.2	0.3nH	8	100	6000	0.09	300	.12	.09	.078	.062	10000	.055
81-LQG15HS1N5S02D	LQG15HS1N5S02D	0402	1.5	0.3nH	8	100	6000	0.10	300	.12	.09	.078	.062	10000	.055
81-LQG15HS1N8S02D	LQG15HS1N8S02D	0402	1.8	0.3nH	8	100	6000	0.10	300	.12	.09	.078	.062	10000	.055
81-LQG15HS2N2S02D	LQG15HS2N2S02D	0402	2.2	0.3nH	8	100	6000	0.12	300	.12	.09	.078	.062	10000	.055
81-LQG15HS2N7S02D	LQG15HS2N7S02D	0402	2.7	0.3nH	8	100	6000	0.15	300	.12	.09	.078	.062	10000	.055
81-LQG15HS3N3S02D	LQG15HS3N3S02D	0402	3.3	0.3nH	8	100	6000	0.17	300	.12	.09	.078	.062	10000	.055
81-LQG15HS3N9S02D	LQG15HS3N9S02D	0402	3.9	0.3nH	8	100	6000	0.18	300	.12	.09	.078	.062	10000	.055
81-LQG15HS4N7S02D	LQG15HS4N7S02D	0402	4.7	0.3nH	8	100	6000	0.18	300	.12	.09	.078	.062	10000	.055
81-LQG15HS5N6S02D	LQG15HS5N6S02D	0402	5.6	0.3nH	8	100	4500	0.20	300	.12	.09	.078	.062	10000	.055
81-LQG15HS6N2S02D	LQG15HS6N2S02D	0402	6.2	0.3nH	8	100	4500	0.22	300	.12	.09	.078	.062	10000	.055
81-LQG15HS6N8J02D	LQG15HS6N8J02D	0402	6.8	5%	8	100	4500	0.24	300	.12	.09	.078	.062	10000	.055
81-LQG15HS8N2J02D	LQG15HS8N2J02D	0402	8.2	5%	8	100	3700	0.24	300	.12	.09	.078	.062	10000	.055
81-LQG15HS10NJ02D	LQG15HS10NJ02D	0402	10	5%	8	100	3400	0.26	300	.12	.09	.078	.062	10000	.055
81-LQG15HS12NJ02D	LQG15HS12NJ02D	0402	12	5%	8	100	3000	0.28	300	.12	.09	.078	.062	10000	.055
81-LQG15HS15NJ02D	LQG15HS15NJ02D	0402	15	5%	8	100	2500	0.32	300	.12	.09	.078	.062	10000	.055
81-LQG15HS18NJ02D	LQG15HS18NJ02D	0402	18	5%	8	100	2200	0.36	300	.12	.09	.078	.062	10000	.055
81-LQG15HS22NJ02D	LQG15HS22NJ02D	0402	22	5%	8	100	1900	0.42	300	.12	.09	.078	.062	10000	.055
81-LQG15HS27NJ02D	LQG15HS27NJ02D	0402	27	5%	8	100	1700	0.46	300	.12	.09	.078	.062	10000	.055
81-LQG15HS33NJ02D	LQG15HS33NJ02D	0402	33	5%	8	100	1600	0.58	200	.12	.09	.078	.062	10000	.055
81-LQG15HS39NJ02D	LQG15HS39NJ02D	0402	39	5%	8	100	1200	0.65	200	.14	.10	.085	.068	10000	.059
81-LQG15HS47NJ02D	LQG15HS47NJ02D	0402	47	5%	8	100	1000	0.72	200	.14	.10	.085	.068	10000	.059
81-LQG15HS56NJ02D	LQG15HS56NJ02D	0402	56	5%	8	100	800	0.82	200	.14	.10	.085	.068	10000	.059
81-LQG15HS68NJ02D	LQG15HS68NJ02D	0402	68	5%	8	100	800	0.92	180	.14	.10	.085	.068	10000	.059
81-LQG15HS82NJ02D	LQG15HS82NJ02D	0402	82	5%	8	100	700	1.20	150	.15	.11	.093	.074	10000	.065
81-LQG15HSR10J02D	LQG15HSR10J02D	0402	0.10uH	5%	8	100	600	1.25	150	.16	.12	.098	.078	10000	.068
81-LQG15HSR12J02D	LQG15HSR12J02D	0402	0.12uH	5%	8	100	600	1.30	150	.15	.11	.093	.074	10000	.065
81-LQG15HSR15J02D	LQG15HSR15J02D	0402	0.15uH	5%	8	100	550	2.99	140	.16	.12	.098	.078	10000	.068
81-LQG15HSR18J02D	LQG15HSR18J02D	0402	0.18uH	5%	8	100	500	3.38	130	.16	.12	.098	.078	10000	.068
81-LQG15HSR22J02D	LQG15HSR22J02D	0402	0.22uH	5%	8	100	450	3.77	120	.16	.12	.098	.078	10000	.068
81-LQG15HSR27J02D	LQG15HSR27J02D	0402	0.27uH	5%	8	100	400	4.94	110	.16	.12	.098	.078	10000	.068
81-LQG15HN1N2S02D	LQG15HN1N2S02D	0402	1.2	0.3nH	8	100	6000	0.09	300	.10	.05	.045	.041	10000	.033
81-LQG15HN2N2S02D	LQG15HN2N2S02D	0402	2.2	0.3nH	8	100	6000	0.12	300	.10	.05	.045	.041	10000	.033

MURATA SMD Inductors

RoHS Compliant **This page of product is compliant.**

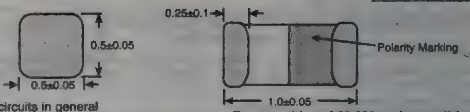
LQG HIGH FREQUENCY MULTILAYER TYPE AIR CORE COIL (CONT.)

The LQG15HS series are chip inductors specifically designed for high frequency applications. The LQG15H series is designed to realize stable characteristics in high frequency range applying integrated multilayer process.

Applications:

- High frequency circuits of mobile phones such as PA, ANT, VCO, SAW, etc.
- Mobile phones such as GSM, CDMA, PDC, etc.
- "Bluetooth"
- W-LAN
- High frequency circuits in general

DIMENSIONS: mm



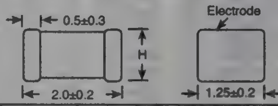
For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	25	100	1000		
81-LQG15HN2N7S02D	LQG15HN2N7S02D	0402	2.7	0.3nH	8	100	6000	0.15	300	.10	.05	.045	.041	10000	.033
81-LQG15HN3N3S02D	LQG15HN3N3S02D	0402	3.3	0.3nH	8	100	6000	0.17	300	.10	.05	.045	.041	10000	.033
81-LQG15HN3N9S02D	LQG15HN3N9S02D	0402	3.9	0.3nH	8	100	6000	0.18	300	.10	.05	.045	.041	10000	.033
81-LQG15HN4N7S02D	LQG15HN4N7S02D	0402	4.7	0.3nH	8	100	6000	0.18	300	.10	.05	.045	.041	10000	.033
81-LQG15HN7N5J02D	LQG15HN7N5J02D	0402	7.5	5%	8	100	4500	0.24	300	.10	.05	.045	.041	10000	.033
81-LQG15HN8N2J02D	LQG15HN8N2J02D	0402	8.2	5%	8	100	3700	0.24	300	.10	.05	.045	.041	10000	.033
81-LQG15HN15NJ02D	LQG15HN15NJ02D	0402	15	5%	8	100	2500	0.32	300	.10	.05	.045	.041	10000	.033
81-LQG15HN68NJ02D	LQG15HN68NJ02D	0402	68	5%	8	100	800	0.92	180	.11	.055	.05	.045	10000	.036
81-LQG18HN1N2S00	LQG18HN1N2S00D	0603	1.2	0.3nH	12	100	6000	0.10	300	.26	.19	.17	.12	4000	.09
81-LQG11A1N5S00	LQG18HN1N5S00D	0603	1.5	0.3nH	12	100	6000	0.10	300	.26	.19	.17	.12	4000	.09
81-LQG18HN1N8S00D	LQG18HN1N8S00D	0603	1.8	0.3nH	12	100	6000	0.10	300	.26	.19	.17	.12	4000	.09
81-LQG11A2N2S00	LQG18HN2N2S00D	0603	2.2	0.3nH	12	100	6000	0.10	300	.26	.19	.17	.12	4000	.09
81-LQG11A2N7S00	LQG18HN2N7S00D	0603	2.7	0.3nH	12	100	6000	0.15	300	.26	.19	.17	.12	4000	.09
81-LQG11A3N3S00	LQG18HN3N3S00D	0603	3.3	0.3nH	12	100	6000	0.15	300	.26	.19	.17	.12	4000	.09
81-LQG11A3N9S00	LQG18HN3N9S00D	0603	3.9	0.3nH	12	100	6000	0.15	300	.26	.19	.17	.12	4000	.09
81-LQG11A4N7S00	LQG18HN4N7S00D	0603	4.7	0.3nH	12	100	6000	0.20	300	.26	.19	.17	.12	4000	.09
81-LQG18HN5N6S00D	LQG18HN5N6S00D	0603	5.6	0.3nH	12	100	6000	0.20	300	.26	.19	.17	.12	4000	.09
81-LQG18HN6N8J00D	LQG18HN6N8J00D	0603	6.8	5%	12	100	5000	0.25	300	.26	.19	.17	.12	4000	.09
81-LQG18HN8N2J00D	LQG18HN8N2J00D	0603	8.2	5%	12	100	3500	0.25	300	.26	.19	.17	.12	4000	.09
81-LQG11A10NJ00	LQG18HN10NJ00D	0603	10	5%	12	100	3500	0.30	300	.26	.19	.17	.12	4000	.09
81-LQG11A12NJ00	LQG18HN12NJ00D	0603	12	5%	12	100	3000	0.35	300	.26	.19	.17	.12	4000	.09
81-LQG11A15NJ00	LQG18HN15NJ00D	0603	15	5%	12	100	2800	0.40	300	.26	.19	.17	.12	4000	.09
81-LQG18HN18NJ00D	LQG18HN18NJ00D	0603	18	5%	12	100	2800	0.45	300	.26	.19	.17	.12	4000	.09
81-LQG18HN22NJ00	LQG18HN22NJ00D	0603	22	5%	12	100	2300	0.50	300	.26	.19	.17	.12	4000	.09
81-LQG18HN27NJ00D	LQG18HN27NJ00D	0603	27	5%	12	100	2300	0.55	300	.26	.19	.17	.12	4000	.09
81-LQG11A33NJ00	LQG18HN33NJ00D	0603	33	5%	12	100	1700	0.60	300	.26	.19	.17	.12	4000	.09
81-LQG18HN39NJ00D	LQG18HN39NJ00D	0603	39	5%	12	100	1700	0.65	300	.26	.19	.17	.12	4000	.09
81-LQG18HN47NJ00D	LQG18HN47NJ00D	0603	47	5%	12	100	1700	0.70	300	.26	.19	.17	.12	4000	.09

LQM SERIES MULTILAYER TYPE FOR CHOKE FERRITE CORE

The LQM21D series consists of magnetically shielded chip inductors. It has less than half the DC resistance of our conventional monolithic chip inductors as well as high inductance.

Inductance	Dimension of H
1.0 to 10μH	0.85±0.2
22 to 47μH	1.25±0.2



DIMENSIONS: mm

RoHS Compliant

For quantities of 20,000 and up, call for quote.

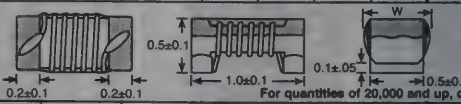
MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	25	100	1000		
81-LQM18NN47NM00D	LQM18NN47NM00D	0603	47nH	20%	10	50	260	0.30	50	.24	.12	.11	.097	4000	.078
81-LQM18NNR10K00D	LQM18NNR10K00D	0603	0.10	10%	15	25	240	0.50	50	.24	.12	.11	.097	4000	.078
81-LQM18NNR56K00D	LQM18NNR56K00D	0603	0.56	10%	15	25	95	1.55	35	.24	.12	.11	.097	4000	.078
81-LQM18NN2R2K00D	LQM18NN2R2K00D	0603	2.20	10%	35	10	50	1.15	15	.26	.14	.13	.12	4000	.098
81-LQG21NR10K10	LQM21NNR10K10D	0805	0.10	10%	20	25	340	0.26	250	.24	.21	.18	.13	3000	.10
81-LQG21NR15K10	LQM21NNR15K10D	0805	0.15	10%	20	25	270	0.32	250	.24	.21	.18	.13	3000	.10
81-LQM21NNR18K10D	LQM21NNR18K10D	0805	0.18	10%	20	25	250	0.35	250	.24	.21	.18	.13	3000	.10
81-LQG21NR22K10	LQM21NNR22K10D	0805	0.22	10%	20	25	220	0.38	250	.24	.21	.18	.13	3000	.10
81-LQG21NR39K10	LQM21NNR39K10D	0805	0.39	10%	25	25	165	0.53	200	.24	.21	.18	.13	3000	.10
81-LQG21NR47K10	LQM21NNR47K10D	0805	0.47	10%	25	25	150	0.57	200	.24	.21	.18	.13	3000	.10
81-LQG21NR56K10	LQM21NNR56K10D	0805	0.56	10%	25	25	140	0.63	150	.24	.21	.18	.13	3000	.10
81-LQM21NNR68K10D	LQM21NNR68K10D	0805	0.68	10%	25	25	125	0.72	150	.24	.21	.18	.13	3000	.10
81-LQG21NR82K10	LQM21NNR82K10D	0805	0.82	10%	25	25	115	0.81	150	.26	.24	.20	.14	3000	.11
81-LQM21FN1R0N00D	LQM21FN1R0N00D	0805	1.0	30%	45	10	107	0.40	50	.16	.079	.072	.065	3000	.052
81-LQG21C1R0N00	LQM21DN1R0N00D	0805	1.0	30%	-	-	75	0.10	60	.28	.26	.21	.15	3000	.12
81-LQG21N1R0K10	LQM21NN1R0K10D	0805	1.0	10%	45	10	107	0.40	50	.26	.24	.20	.14	3000	.11
81-LQG21N1R2K10	LQM21NN1R2K10D	0805	1.2	10%	45	10	97	0.47	50	.26	.24	.20	.14	3000	.11
81-LQG21N1R5K10	LQM21NN1R5K10D	0805	1.5	10%	45	10	87	0.50	50	.26	.24	.20	.14	3000	.11
81-LQG21C2R2N00	LQM21DN2R2N00D	0805	2.2	30%	-	-	50	0.17	40	.28	.26	.21	.15	3000	.12
81-LQG21N2R2K10	LQM21NN2R2K10D	0805	2.2	10%	45	10	71	0.63	30	.26	.24	.20	.14	3000	.11
81-LQG21N2R7K10	LQM21NN2R7K10L	0805	2.7	10%	45	10	66	0.69	30	.29	.27	.25	.19	3000	.16
81-LQG21N3R3K10	LQM21NN3R3K10L	0805	3.3	10%	45	10	59	0.80	30	.29	.27	.25	.19	3000	.16
81-LQM21FN4R7N00L	LQM21FN4R7N00L	0805	4.7	30%	-	1	25	0.30	80	.16	.079	.072	.065	3000	.052
81-LQG21C4R7N00	LQM21DN4R7N00D	0805	4.7	30%	-	-	35	0.30	30	.28	.26	.21	.15	3000	.12
81-LQG21N4R7K10	LQM21NN4R7K10L	0805	4.7	10%	45	10	47	1.0	30	.29	.27	.25	.19	3000	.16
81-LQM21FN100N00L	LQM21FN100N00L	0805	10	30%	-	1	15	0.50	60	.18	.092	.084	.076	3000	.061
81-LQG21C100N00	LQM21DN100N00D	0805	10	30%	-	-	24	0.50	15	.28	.26	.21	.15	3000	.12
81-LQG21C220N00	LQM21DN220N00L	0805	22	30%	-	-	16	0.65	13	.28	.26	.21	.15	3000	.12
81-LQG21C470N00	LQM21DN470N00L	0805	47	30%	-	-	7.5	1.2	7	.28	.26	.21	.15	3000	.12

LQW15A SERIES HIGH FREQUENCY WINDING TYPE AIR CORE COIL

The LQW 15A series consists of air core chip coil using a miniature alumina core. The LQW15A series has a high Q value in high frequency range and high self resonant frequency.

Inductance (nH)	Dimension of W
1.5-22, 100, 120	0.6±0.1
24-82	0.5±0.1

DIMENSIONS: mm



For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	25	100	1000		
81-LQW15AN1N5D00D	LQW15AN1N5D00D	0402	1.5	0.5nH	10	100	18	0.03	1000	.47	.42	.36	.32	10000	.23
81-LQW15AN2N7D00D	LQW15AN2N7D00D	0402	2.7	0.5nH	20	100	15	0.05	850	.47	.42	.36	.32	10000	.23
81-LQW15AN4N3C00D	LQW15AN4N3C00D	0402	4.3	0.2nH	25	100	10	0.07	750	.47	.42	.36	.32	10000	.23
81-LQW15AN4N7C00D	LQW15AN4N7C00D	0402	4.7	0.2nH	25	100	8	0.07	750	.47	.42	.36	.32	10000	.23
81-LQW15AN5N1D00D	LQW15AN5N1D00D	0402	5.1	0.5nH	25	100	8	0.12	600	.47	.42	.36	.32	10000	.23
81-LQW15AN6N2D00D	LQW15AN6N2D00D	0402	6.2	0.5nH	25	100	8	0.09	700	.47	.42	.36	.32	10000	.23
81-LQW15AN6N8J00D	LQW15AN6N8J00D	0402	6.8	5%	25	100	6	0.09	700	.47	.42	.36	.32	10000	.23
81-LQW15AN7N5J00D	LQW15AN7N5J00D	0402	7.5	5%	25	100	6	0.13	570	.47	.42	.36	.32	10000	.23
81-LQW15AN9N1J00D	LQW15AN9N1J00D	0402	9.1	5%	25	100	5.5	0.14	540	.47	.42	.36	.32	10000	.23

MURATA SMD Inductors

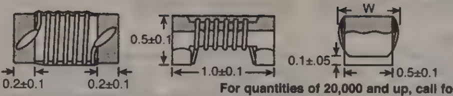
RoHS Compliant **This page of product is compliant.**

LQW15A SERIES HIGH FREQUENCY WINDING TYPE AIR CORE COIL (CONT.)

The LQW 15A series consists of air core chip coil using a miniature alumina core. The LQW15A series has a high Q value in high frequency range and high self resonant frequency.

Inductance (nH)	Dimension of W
1.5-22, 100, 120	0.6±0.1
24-82	0.5±0.1

DIMENSIONS: mm



For quantities of 20,000 and up, call for quote.

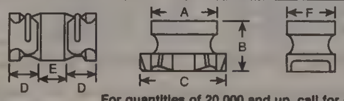
MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	25	100	1000		
81-LQW15AN10NJ00D	LQW15AN10NJ00D	0402	10	5%	25	100	5.5	0.17	500	.47	.42	.36	.32	10000	.23
81-LQW15AN12NJ00D	LQW15AN12NJ00D	0402	12	5%	30	100	5.5	0.14	500	.47	.42	.36	.32	10000	.23
81-LQW15AN15NJ00D	LQW15AN15NJ00D	0402	15	5%	30	100	5	0.16	460	.47	.42	.36	.32	10000	.23
81-LQW15AN18NJ00D	LQW15AN18NJ00D	0402	18	5%	25	100	4.5	0.27	370	.47	.42	.36	.32	10000	.23
81-LQW15AN22NJ00D	LQW15AN22NJ00D	0402	22	5%	25	100	4	0.30	310	.47	.42	.36	.32	10000	.23
81-LQW15AN27NJ00D	LQW15AN27NJ00D	0402	27	5%	25	100	3.5	0.52	280	.47	.42	.36	.32	10000	.23
81-LQW15AN33NJ00D	LQW15AN33NJ00D	0402	33	5%	25	100	3.2	0.63	260	.47	.42	.36	.32	10000	.23
81-LQW15AN39NJ00D	LQW15AN39NJ00D	0402	39	5%	25	100	3	0.70	250	.47	.42	.36	.32	10000	.23
81-LQW15AN47NJ00D	LQW15AN47NJ00D	0402	47	5%	25	100	2.9	1.08	210	.47	.42	.36	.32	10000	.23
81-LQW15AN56NJ00D	LQW15AN56NJ00D	0402	56	5%	25	100	2.8	1.17	200	.47	.42	.36	.32	10000	.23
81-LQW15AN68NJ00D	LQW15AN68NJ00D	0402	68	5%	20	100	2.5	1.96	140	.47	.42	.36	.32	10000	.23
81-LQW18AN2N2D00D	LQW18AN2N2D00D	0603	2.2	0.5nH	16	100	6000	0.049	700	.39	.35	.27	.20	4000	.13
81-LQW18AN3N6D00D	LQW18AN3N6D00D	0603	3.6	0.5nH	25	100	6000	0.059	850	.39	.35	.27	.20	4000	.13
81-LQW18AN3N9C00D	LQW18AN3N9C00D	0603	3.9	0.2nH	35	100	6000	0.059	850	.39	.35	.27	.20	4000	.13
81-LQW18AN4N7D00D	LQW18AN4N7D00D	0603	4.7	0.5nH	35	100	6000	0.059	850	.39	.35	.27	.20	4000	.13
81-LQW18AN5N6D00D	LQW18AN5N6D00D	0603	5.6	0.5nH	35	100	6000	0.082	750	.39	.35	.27	.20	4000	.13
81-LQW18AN5N6C00D	LQW18AN5N6C00D	0603	5.6	0.2nH	35	100	6000	0.082	750	.39	.35	.27	.20	4000	.13
81-LQW18AN6N2C00D	LQW18AN6N2C00D	0603	6.2	0.2nH	35	100	6000	0.082	750	.39	.35	.27	.20	4000	.13
81-LQW18AN6N2D00D	LQW18AN6N2D00D	0603	6.2	0.5nH	35	100	6000	0.082	750	.39	.35	.27	.20	4000	.13
81-LQW18AN6N8C00D	LQW18AN6N8C00D	0603	6.8	0.2nH	35	100	6000	0.082	750	.39	.35	.27	.20	4000	.13
81-LQW18AN6N8D00D	LQW18AN6N8D00D	0603	6.8	0.5nH	35	100	6000	0.082	750	.39	.35	.27	.20	4000	.13
81-LQW18AN7N5D00D	LQW18AN7N5D00D	0603	7.5	0.5nH	35	100	6000	0.082	750	.39	.35	.27	.20	4000	.13
81-LQW18AN8N2D10D	LQW18AN8N2D10D	0603	8.2	0.5nH	35	100	6000	0.11	650	.39	.35	.27	.20	4000	.13
81-LQW18AN8N2D00D	LQW18AN8N2D00D	0603	8.2	0.5nH	35	100	6000	0.11	650	.39	.35	.27	.20	4000	.13
81-LQW18AN8N7D00D	LQW18AN8N7D00D	0603	8.7	0.5nH	35	100	6000	0.11	650	.39	.35	.27	.20	4000	.13
81-LQW18AN10NJ00D	LQW18AN10NJ00D	0603	10	5%	35	100	6000	0.11	650	.39	.35	.27	.20	4000	.13
81-LQW18AN10NG00D	LQW18AN10NG00D	0603	10	2%	35	100	6000	0.11	650	.39	.35	.27	.20	4000	.13
81-LQW18AN12NJ00D	LQW18AN12NJ00D	0603	12	5%	35	100	6000	0.13	600	.39	.35	.27	.20	4000	.13
81-LQW18AN12NG00D	LQW18AN12NG00D	0603	12	2%	35	100	6000	0.13	600	.39	.35	.27	.20	4000	.13
81-LQW18AN15NJ00D	LQW18AN15NJ00D	0603	15	5%	40	100	6000	0.13	600	.39	.35	.27	.20	4000	.13
81-LQW18AN15NG00D	LQW18AN15NG00D	0603	15	2%	40	100	6000	0.13	600	.39	.35	.27	.20	4000	.13
81-LQW18AN18NJ00D	LQW18AN18NJ00D	0603	18	5%	40	100	5500	0.16	550	.39	.35	.27	.20	4000	.13
81-LQW18AN18NG00D	LQW18AN18NG00D	0603	18	2%	40	100	5500	0.16	550	.39	.35	.27	.20	4000	.13
81-LQW18AN22NJ00D	LQW18AN22NJ00D	0603	22	5%	40	100	4600	0.17	500	.39	.35	.27	.20	4000	.13
81-LQW18AN22NG00D	LQW18AN22NG00D	0603	22	2%	40	100	4600	0.17	500	.39	.35	.27	.20	4000	.13
81-LQW18AN27NJ00D	LQW18AN27NJ00D	0603	27	5%	40	100	3700	0.21	440	.39	.35	.27	.20	4000	.13
81-LQW18AN27NG00D	LQW18AN27NG00D	0603	27	2%	40	100	3700	0.21	440	.39	.35	.27	.20	4000	.13
81-LQW18AN33NJ00D	LQW18AN33NJ00D	0603	33	5%	40	100	3200	0.23	420	.39	.35	.27	.20	4000	.13
81-LQW18AN33NG00D	LQW18AN33NG00D	0603	33	2%	40	100	3200	0.23	420	.39	.35	.27	.20	4000	.13
81-LQW18AN36NG00D	LQW18AN36NG00D	0603	36	2%	40	100	2900	0.26	400	.39	.35	.27	.20	4000	.13
81-LQW18AN39NJ00D	LQW18AN39NJ00D	0603	39	5%	40	100	2800	0.26	400	.39	.35	.27	.20	4000	.13
81-LQW18AN47NG00D	LQW18AN47NG00D	0603	47	2%	38	100	2600	0.29	380	.39	.35	.27	.20	4000	.13
81-LQW18AN56NJ00D	LQW18AN56NJ00D	0603	56	5%	38	100	2400	0.35	360	.39	.35	.27	.20	4000	.13
81-LQW18AN68NG00D	LQW18AN68NG00D	0603	68	2%	38	100	2200	0.38	340	.39	.35	.27	.20	4000	.13
81-LQW18AN68NJ00D	LQW18AN68NJ00D	0603	68	5%	38	100	2200	0.38	340	.39	.35	.27	.20	4000	.13
81-LQW18AN72NJ00D	LQW18AN72NJ00D	0603	72	5%	34	100	2100	0.56	270	.39	.35	.27	.20	4000	.13
81-LQW18AN82NG00D	LQW18AN82NG00D	0603	82	2%	34	100	2000	0.60	250	.39	.35	.27	.20	4000	.13
81-LQW18AN91NG00D	LQW18AN91NG00D	0603	91	2%	34	100	1900	0.64	230	.39	.35	.27	.20	4000	.13
81-LQW18ANR10J00D	LQW18ANR10J00D	0603	100	5%	34	100	1800	0.68	220	.39	.35	.27	.20	4000	.13
81-LQW18ANR10G00D	LQW18ANR10G00D	0603	100	2%	34	100	1800	0.68	220	.39	.35	.27	.20	4000	.13
81-LQW18ANR12J00D	LQW18ANR12J00D	0603	120	5%	32	100	1600	1.3	180	.39	.35	.27	.20	4000	.13
81-LQW18ANR15G00D	LQW18ANR15G00D	0603	150	2%	32	100	1400	1.5	160	.39	.35	.27	.20	4000	.13
81-LQW18ANR18G00D	LQW18ANR18G00D	0603	180	2%	32	100	1300	2.2	140	.39	.35	.27	.20	4000	.13
81-LQW18ANR22G00D	LQW18ANR22G00D	0603	220	2%	32	100	1200	2.5	120	.39	.35	.27	.20	4000	.13
81-LQW18ANR22J00	LQW18ANR22J00D	0603	220	5%	25	100	1200	2.5	120	.39	.35	.27	.20	4000	.13
81-LQW18ANR27J00D	LQW18ANR27J00D	0603	270	5%	30	100	960	3.4	110	.39	.35	.27	.20	4000	.13
81-LQW18ANR33J00D	LQW18ANR33J00D	0603	330	5%	30	100	800	5.5	85	.39	.35	.27	.20	4000	.13
81-LQW18ANR39J00D	LQW18ANR39J00D	0603	390	5%	30	100	800	6.2	80	.39	.35	.27	.20	4000	.13
81-LQW18ANR47G00D	LQW18ANR47G00D	0603	470	2%	30	100	700	7.0	75	.39	.35	.27	.20	4000	.13
81-LQW18ANR47J00D	LQW18ANR47J00D	0603	470	5%	30	100	700	7.0	75	.39	.35	.27	.20	4000	.13
81-LQW2BHN6N8D03L	LQW2BHN6N8D03L	0805	6.8	0.5nH	20	100	5400	0.11	680	.50	.41	.35	.25	2000	.17
81-LQW2BHN15NJ03L	LQW2BHN15NJ03L	0805	15	5%	30	100	2700	0.12	630	.50	.41	.35	.25	2000	.17
81-LQW2BHN27NJ03L	LQW2BHN27NJ03L	0805	27	5%	40	100	2300	0.17	540	.50	.41	.35	.25	2000	.17
81-LQW2BHN33NJ03L	LQW2BHN33NJ03L	0805	33	5%	40	100	1900	0.15	570	.50	.41	.35	.25	2000	.17
81-LQW2BHN56NJ03L	LQW2BHN56NJ03L	0805	56	5%	40	100	1500	0.26	430	.50	.41	.35	.25	2000	.17
81-LQW2BHN68NG03L	LQW2BHN68NG03L	0805	68	2%	40	100	1200	0.23	460	.62	.49	.39	.33	2000	.20
81-LQW2BHNR10J03L	LQW2BHNR10J03L	0805	100	5%	40	100	900	0.38	350	.62	.49	.39	.33	2000	.20

LQH SERIES CHOKE WINDING TYPE FERRITE CORE

DIMENSIONS: mm

The LQH31C series consists of miniature chip inductors with low DC resistance, high current capacity, and high impedance characteristics. It is suitable for use as choke coils in DC power supply circuits.

Series	A	B	C	D	E	F
LQH31CN	2.3±0.2	1.8±0.2	3.2±0.3	0.7 Min.	0.7 Min.	1.6±0.2
LQH32CN	2.5±0.2	2.0±0.2	3.2±0.3	0.9±0.3	1.3±0.2	2.5±0.2
LQH43CN	3.6±0.2	2.6±0.2	4.5±0.3	1.0 Min.	1.0 Min.	3.2±0.2



For quantities of 20,000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Case Size	Value (nH)	Tol.	Q Min.	Test Freq. (MHz)	SRF (Min)	DCR (Max.)	Rated Current (mA)	Price Each				Reel Qty.	Price Per Piece
										1	25	100	1000		
81-LQH31CN1R0M03L	LQH31CN1R0M03L	1206	1.0	20%	~	1	100	0.28	510	1.11	1.01	.85	.59	2000	.55
81-LQH31CN2R2M03L	LQH31CN2R2M03L	1206	2.2	20%	~	1	50	0.41	430	1.11	1.01	.85	.59	2000	.55
81-LQH31CN4R7M03L	LQH31CN4R7M03L	1206	4.7	20%	~	1	31	0.65	340	1.11	1.01	.85	.59	2000	.55
81-LQH31CN100K03L	LQH31CN100K03L	1206	10	10%	~	1	20	1.3	230	1.11	1.01	.85	.59	2000	.55
81-LQH31CN470K03L	LQH31CN470K03L	1206	47	10%	~	1	10	8	100	1.11	1.01	.85	.59	2000	.55
81-LQH31CN101K03L	LQH31CN101K03L	1206	100	10%	~	1	7	12	80	1.11	1.01	.85	.59	2000	.55
81-LQH32CNR15M33L	LQH32CNR15M33L	1210	0.15	20%	~	1	400	0.028	1450	.40	.20	.18	.16	2000	.13
81-LQH32CNR47M33L	LQH32CNR47M33L	1210	0.47	20%	~	1	150	0.042	1100	.40	.20	.18	.16	2000	.13
81-LQH32CN1R0M23L	LQH32CN1R0M23L	1210	1.0	20%	~	1	96	0.09	800	.40	.20	.18	.16	2000	.13

MURATA SMD Common Mode Choke Coils

This page of product is compliant.

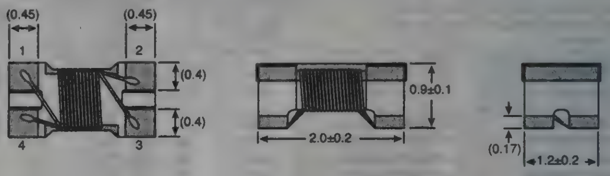
DLW21H SERIES - WOUND TYPE

DIMENSIONS: in. (mm)

Features:

- Small size and low profile (2.0x1.2x0.9mm). Excellent noise suppression.
- High common mode impedance at high frequency effects excellent noise suppression performance.
- Various common mode impedance from 67 to 180 ohm can be selected depending on noise level and signal frequency.
- Small dimension enables higher density mounting
- Suitable for differential signal line like USB2.0, IEEE1394 and LVDS, because DLW21H does not provide distortion to high speed signal transmission due to its high coupling. (USB2.0: DLW21HN900SQ2)
- Operating temperature: -25°C to +85°C

RoHS Compliant



Applications:

- Common mode noise suppression of signal lines in high speed and high density digital equipment such as PC and peripherals and telecommunication equipment.

For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Common Mode Imp @ 100 MHz	Rated Current	Rated Voltage (Vdc)	Insulation Resistance (min) Ω	Withstanding Voltage (Vdc)	DC Resistance (Ω) max	PBC	Price Each				Reel Qty.	Price Per Piece
									1	50	100	500		
81-DLW21HN670SQ2L	DLW21HN670SQ2L	67	330	50	10M	125	0.35	320	.66	.54	.38	.31	3000	.24
81-DLW21HN900SQ2L	DLW21HN900SQ2L	90	330	50	10M	125	0.35	320	.66	.54	.38	.31	3000	.24
81-DLW21HN121SQ2L	DLW21HN121SQ2L	120	280	50	10M	125	0.45	320	.66	.54	.38	.31	3000	.24
81-DLW21HN181SQ2L	DLW21HN181SQ2L	180	250	50	10M	125	0.5	320	.66	.54	.38	.31	3000	.24

DLW31S SERIES - WOUND TYPE

DIMENSIONS: in. (mm)

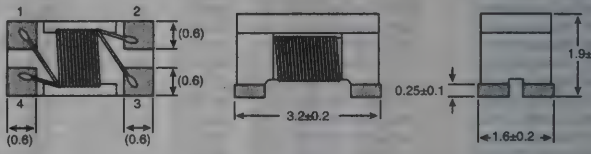
Features:

- Small size and low profile. 3.2x1.6x1.9mm.
- High common mode impedance at high frequency effects excellent noise suppression performance.
- Various common mode impedance items of 90 to 2200 ohm can be used, considering noise level and signal frequency.
- Operating temperature: -25°C to +85°C
- Enables noise suppression for differential signal line without distortion in high speed signal transmission due to its high coupling.
- Small dimension enables higher density packaging.

Applications:

- USB lines of PC, peripheral equipment
- LVDS lines of Note-PC, LCD

RoHS Compliant



For quantities of 4000 and up, call for quote.

81-DLW31SN222SQ2L	DLW31SN222SQ2L	2200	200	50	10M	125	1.2	317	1.20	.97	.71	.56	2000	.41
81-DLW31SN102SQ2L	DLW31SN102SQ2L	1000	230	50	10M	125	1	317	1.20	.97	.71	.56	2000	.41
81-DLW31SN601SQ2L	DLW31SN601SQ2L	600	260	50	10M	125	0.8	317	1.20	.97	.71	.56	2000	.41
81-DLW31SN900SQ2L	DLW31SN900SQ2L	90	370	50	10M	125	0.3	317	1.20	.97	.71	.56	2000	.41

DLW5BS SERIES - WOUND TYPE

DIMENSIONS: in. (mm)

The DLW5BS series is a high performance wound type chip common mode choke coil.

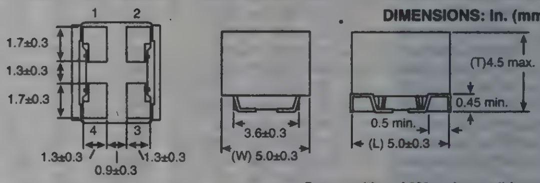
Features:

- High impedance enables great noise suppression.
- Large rated current (max. of 5A) is suitable for power line use.
- DLW5BS series does not damage high speed signal due to high coupling common mode choke coil structure.
- Automatic mounting can be applied.
- Operating temperature: -25°C to +85°C

Applications:

- DC power lines in AC adapter of portable equipment
- DC power lines of DC/DC converter, battery charger

RoHS Compliant



For quantities of 800 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Common Mode Imp @ 100 MHz	Rated Current	Rated Voltage (Vdc)	Insulation Resistance (min) Ω	Withstanding Voltage (Vdc)	DC Resistance (Ω) max	PBC	Price Each				Reel Qty.	Price Per Piece
									1	10	25	100		
81-DLW5BSN302SQ2L	DLW5BSN302SQ2L	3000	500	50	10M	125	0.3	336	1.88	1.79	1.55	1.09	400	.71
81-DLW5BSN152SQ2L	DLW5BSN152SQ2L	1500	1000	50	10M	125	0.1	336	1.88	1.79	1.55	1.09	400	.71
81-DLW5BSN102SQ2L	DLW5BSN102SQ2L	1000	1500	50	10M	125	0.06	336	1.88	1.79	1.55	1.09	400	.71
81-DLW5BSN351SQ2L	DLW5BSN351SQ2L	350	2000	50	10M	125	0.04	336	1.88	1.79	1.55	1.09	400	.71
81-DLW5BSN191SQ2L	DLW5BSN191SQ2L	190	5000	50	10M	125	0.02	336	2.44	2.34	2.01	1.42	400	.92

DLP31S SERIES - FILM TYPE SINGLE CIRCUIT

DIMENSIONS: in. (mm)

DLP31S series is chip common mode choke coil that realizes high impedance in a small size with ferrite material technology and film processing technology. DLP31S series has excellent performance at high frequency range. It is suitable for differential signal line application.

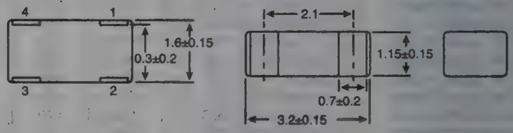
RoHS Compliant

Features:

- Small size, low profile.
- DLP31S suppresses high frequency noise that was unable to be suppressed with existing common mode choke coils. Suitable for differential signal line like USB, because DLP31S does not provide distortion to high speed signal transmission due to its high coupling (coupling coefficient:0.98 min.).
- Operating temperature: -40°C to +85°C

Applications:

- USB lines of PC, peripheral equipment
- LVDS lines of Note-PC, LCD
- USB lines of digital AV equipment such as digital cameras



For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Murata Part No.	Common Mode Imp @ 100 MHz	Rated Current	Rated Voltage (Vdc)	Insulation Resistance (min) Ω	Withstanding Voltage (Vdc)	DC Resistance (Ω) max	PBC	Price Each				Reel Qty.	Price Per Piece
									1	50	100	500		
81-DLP31SN121SL2L	DLP31SN121SL2L	120	100	16	100M	40	2	320	1.63	1.32	.94	.76	3000	.61
81-PLP3216S551SL2	DLP31SN551SL2L	550	1000	16	100M	40	3.6	320	1.63	1.32	.94	.76	3000	.61

DLP31D SERIES - FILM TYPE DUAL CIRCUIT

DIMENSIONS: in. (mm)

DLP31D series is chip common mode choke coil array which realizes high coupling and high impedance in a small size with ferrite material technology and thin film processing technology.

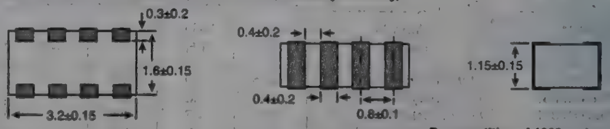
Features:

- 2 components are included in 3.2x1.6mm
- Thin type 1.15mm
- The DLP31D can suppress common mode noise without damage to signal wave.
- Operating temperature: -40°C to +85°C

Applications:

Common mode noise suppression of high speed differential signal lines for USB, IEEE1394, LVDS.

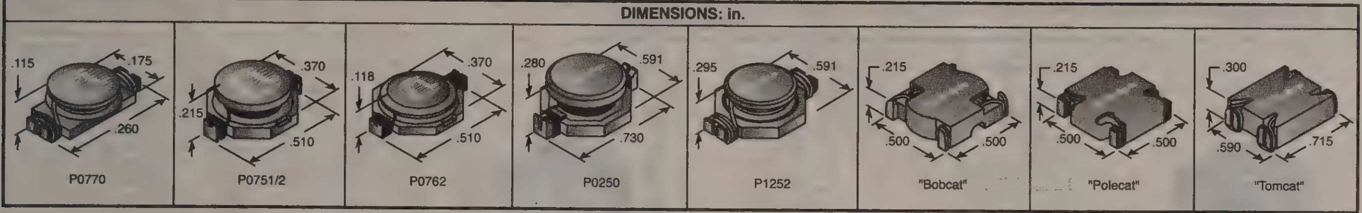
- Main board of personal computer, note PC
- Printer, Scanner
- LCD monitor
- Game equipment
- PC peripheral equipment



For quantities of 1000 and up, call for quote.

81-DLP31DN131ML4L	DLP31DN131ML4L	130	120	10	100M	25	1.6	320	1.63	1.32	.94	.76	3000	.61
81-DLP31DN201ML4L	DLP31DN201ML4L	200	100	10	100M	25	2.2	320	1.63	1.32	.94	.76	3000	.61
81-DLP31DN321ML4L	DLP31DN321ML4L	320	80	10	100M	25	3.5	320	1.63	1.32	.94	.76	3000	.61
81-DLP31DN441ML4L	DLP31DN441ML4L	440	70	10	100M	25	4.3	320	1.63	1.32	.94	.76	3000	.61
81-DLP31DN900ML4L	DLP31DN900ML4L	90	160	10	100M	25	1.1	320	1.63	1.32	.94	.76	3000	.61

PULSE SMT Power Inductors



Features:
- Reliable self-leads
- High energy storage and low DC resistance
- Ideal for DC/DC conversion in notebook computers
- Direct Coilcraft replacement
- PDA's, step-up or step-down converters

Specifications:
- Operating Temperature: -40°C to +85°C

Cross Reference Chart	
Pulse Series	**Coilcraft Series**
P0770	DO1608
P0751	DO3316P
P0762	DO3308P
P0250	DO5022
P1252	DO5022HC

Pulse P0770 SERIES

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.		Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	100	500	2500
673—	P0770.102T	1	2.9	1.00	.88	.75	.63
673—	P0770.152T	1.5	2.6	1.00	.88	.75	.63
673—	P0770.222T	2.2	2.3	1.00	.88	.75	.63
673—	P0770.332T	3.3	2	1.00	.88	.75	.63
673—	P0770.472T	4.7	1.5	1.00	.88	.75	.63
673—	P0770.682T	6.8	1.2	1.00	.88	.75	.63
673—	P0770.103T	10	1.1	1.00	.88	.75	.63
673—	P0770.153T	15	0.9	1.00	.88	.75	.63
673—	P0770.223T	22	0.7	1.00	.88	.75	.63
673—	P0770.333T	33	0.58	1.00	.88	.75	.63
673—	P0770.473T	47	0.5	1.00	.88	.75	.63
673—	P0770.683T	68	0.4	1.00	.88	.75	.63
673—	P0770.104T	100	0.31	1.00	.88	.75	.63
673—	P0770.154T	150	0.27	1.00	.88	.75	.63
673—	P0770.224T	220	0.22	1.00	.88	.75	.63

Pulse P0751 SERIES

For quantities of 1600 and up, call for quote.

MOUSER STOCK NO.		Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	800
673—	P0751.102T	1	9	1.24	1.09	.93	.78
673—	P0751.152T	1.5	8	1.24	1.09	.93	.78
673—	P0751.222T	2.2	7	1.24	1.09	.93	.78
673—	P0751.332T	3.3	6.4	1.24	1.09	.93	.78
673—	P0751.472T	4.7	5.4	1.24	1.09	.93	.78
673—	P0751.682T	6.8	4.6	1.24	1.09	.93	.78
673—	P0751.103T	10	3.8	1.24	1.09	.93	.78
673—	P0751.153T	15	3	1.24	1.09	.93	.78
673—	P0751.223T	22	2.6	1.24	1.09	.93	.78
673—	P0751.333T	33	2	1.24	1.09	.93	.78
673—	P0751.473T	47	1.6	1.24	1.09	.93	.78
673—	P0751.683T	68	1.4	1.24	1.09	.93	.78

Pulse P0752 SERIES

For quantities of 1600 and up, call for quote.

MOUSER STOCK NO.		Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	800
673—	P0752.104T	100	1.2	1.24	1.09	.93	.78
673—	P0752.154T	150	1	1.24	1.09	.93	.78
673—	P0752.224T	220	0.8	1.24	1.09	.93	.78
673—	P0752.334T	330	0.6	1.24	1.09	.93	.78
673—	P0752.474T	470	0.5	1.24	1.09	.93	.78
673—	P0752.684T	680	0.4	1.24	1.09	.93	.78
673—	P0752.105T	1000	0.3	1.24	1.09	.93	.78

Pulse P0762 SERIES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	1000
673—	P0762.103T	10	2.4	1.24	1.09	.93	.78
673—	P0762.153T	15	2	1.24	1.09	.93	.78
673—	P0762.223T	22	1.6	1.24	1.09	.93	.78
673—	P0762.333T	33	1.4	1.24	1.09	.93	.78
673—	P0762.473T	47	1	1.24	1.09	.93	.78
673—	P0762.683T	68	0.9	1.24	1.09	.93	.78
673—	P0762.104T	100	0.7	1.24	1.09	.93	.78
673—	P0762.154T	150	0.6	1.24	1.09	.93	.78
673—	P0762.224T	220	0.5	1.24	1.09	.93	.78
673—	P0762.334T	330	0.4	1.24	1.09	.93	.78
673—	P0762.474T	470	0.3	1.24	1.09	.93	.78
673—	P0762.684T	680	0.2	1.24	1.09	.93	.78
673—	P0762.105T	1000	0.1	1.24	1.09	.93	.78

Pulse P0250 SERIES

For quantities of 700 and up, call for quote.

MOUSER STOCK NO.		Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	350
673—	P0250.102T	1	20	1.56	1.37	1.17	.98
673—	P0250.222T	2	16	1.56	1.37	1.17	.98
673—	P0250.332T	3	14	1.56	1.37	1.17	.98
673—	P0250.562T	5	12	1.56	1.37	1.17	.98
673—	P0250.103T	9.5	10	1.56	1.37	1.17	.98
673—	P0250.153T	13.5	8	1.56	1.37	1.17	.98
673—	P0250.223T	20	7	1.56	1.37	1.17	.98
673—	P0250.333T	30	5.5	1.56	1.37	1.17	.98
673—	P0250.473T	43	4.5	1.56	1.37	1.17	.98
673—	P0250.683T	62	3.5	1.56	1.37	1.17	.98
673—	P0250.104T	95	3	1.56	1.37	1.17	.98
673—	P0250.154T	135	2.6	1.56	1.37	1.17	.98
673—	P0250.224T	200	2.4	1.56	1.37	1.17	.98
673—	P0250.334T	300	1.9	1.56	1.37	1.17	.98
673—	P0250.474T	430	1.4	1.56	1.37	1.17	.98
673—	P0250.684T	620	1.2	1.56	1.37	1.17	.98
673—	P0250.105T	950	1	1.56	1.37	1.17	.98

Pulse P1252 SERIES

For quantities of 600 and up, call for quote.

MOUSER STOCK NO.		Inductance (µH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	300
673—	P1252.781T	0.78	30	2.00	1.75	1.50	1.25
673—	P1252.152T	1.5	25	2.00	1.75	1.50	1.25
673—	P1252.222T	2.2	20	2.00	1.75	1.50	1.25
673—	P1252.332T	3.3	17	2.00	1.75	1.50	1.25
673—	P1252.392T	3.9	15	2.00	1.75	1.50	1.25
673—	P1252.472T	4.7	13	2.00	1.75	1.50	1.25
673—	P1252.602T	6	12	2.00	1.75	1.50	1.25
673—	P1252.782T	7.8	11	2.00	1.75	1.50	1.25
673—	P1252.103T	10	10	2.00	1.75	1.50	1.25

Pulse SMT TOROIDAL INDUCTORS

"Bobcat" Series Inductor

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		IDC (A)	LDC (µH)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	500
673—	P0144T	3.80	9.4	2.60	2.17	1.95	1.73
673—	P0146T	2.43	23	2.66	2.22	2.00	1.77
673—	P0147T	1.65	50	2.72	2.27	2.04	1.81
673—	P0151T	0.81	200	2.91	2.42	2.18	1.94

"Polecat" Series, Dual Inductor

For quantities of 1200 and up, call for quote.

MOUSER STOCK NO.		IDC (A)		Ref. L @ DC LDC (µH)		DCR (mΩ) (max.)		Price Each			
Mfr.	Mfr. Part No.	Parallel	Series	Parallel	Series	Parallel	Series	1	40	120	400
673—	P0174	8.3	4.15	2	7.8	7.6	30.3	3.08	2.54	2.11	1.65
673—	P0175	7.2	3.6	2.4	9.6	10.9	43.6	3.08	2.54	2.11	1.65
673—	P0176	5.2	2.6	5	20	19	76	3.08	2.54	2.11	1.65
673—	P0177	3.84	1.92	9.3	37.3	29.8	119	3.08	2.54	2.11	1.65
673—	P0178	3.12	1.56	14.1	56.2	45.3	181	3.08	2.54	2.11	1.65
673—	P0179	2.64	1.32	19.7	79	66.3	265	3.08	2.54	2.11	1.65
673—	P0180	2.16	1.08	29.3	117.3	106	424	3.08	2.54	2.11	1.65
673—	P0181	1.8	0.9	42.6	170.3	151	603	3.08	2.54	2.11	1.65
673—	P0182	1.48	0.74	61.3	245.3	224	897	3.08	2.54	2.11	1.65
673—	P0183	1.22	0.61	84.2	336.7	324	1295	3.08	2.54	2.11	1.65

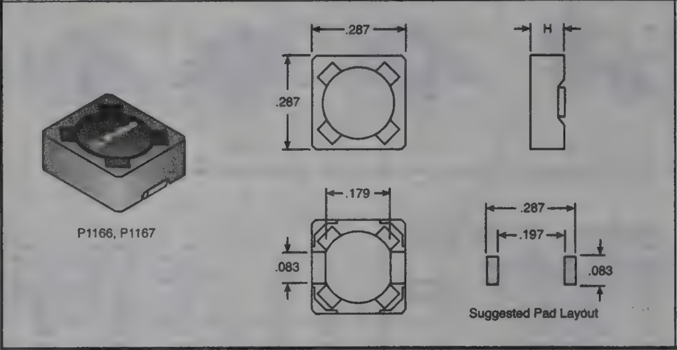
"Tomcat" Series, Dual Inductor

For quantities of 350 and up, call for quote.

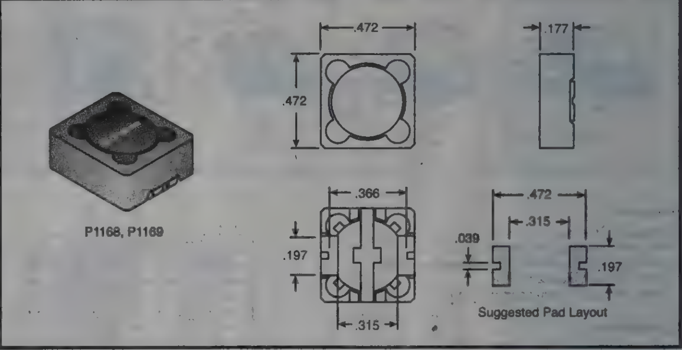
MOUSER STOCK NO.		IDC (A)		Ref. L @ DC LDC (µH)		DCR (mΩ) (max.)		Price Each		
Mfr.	Mfr. Part No.	Parallel	Series	Parallel	Series	Parallel	Series	1	35	140
673—	P0395	14.4	7.2	1.5	6.1	4.41	17.6	1.84	1.42	1.19
673—	P0396	11.2	5.6	2.4	9.7	6.54	26.2	1.84	1.42	1.19
673—	P0397	8.2	4.1	4.2	17	10.47	41.9	1.84	1.42	1.19
673—	P0398	6.8	3.4	5.8	23.1	14.94	59.7	1.84	1.42	1.19
673—	P0399	5.7	2.85	7.6	30.6	20.99	84	1.84	1.42	1.19
673—	P0400	5.4	2.7	12.1	48.5	23.24	93	1.84	1.42	1.19
673—	P0401	4.4	2.2	18	72	38.15	152.6	1.96	1.61	1.34
673—	P0402	3.54	1.77	27	108	53.21	212.8	1.96	1.61	1.34
673—	P0403	3	1.5	34.8	139.1	73.89	295.6	1.96	1.61	1.34

PULSE SMT Power Inductors, Shielded Drum Core

DIMENSIONS: In.



P1166, P1167



P1168, P1169

Pulse offers a complete range of power magnetics for DC-DC converter and switchmode designs. These magnetics include power inductors, power transformers, current sensors, gate drive transformers and common mode inductors.

Many parts are designed for low voltage, high current and high frequency applications. Pulse manufactures the broadest selection of packaging options from various through hole devices to the smallest available surface mount solution with a height of .071" (1.80mm).

Features:

- Low profile and suitable for compact surface area mounting
- Large permissible DC current
- Low DC resistance

Pulse P1166 SERIES

Height =.138"

For quantities of 2400 and up, call for quote.

MOUSER STOCK NO.		Inductance (μH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	1200
673—	P1166.103T	10	1.6	1.16	1.02	.87	.73
673—	P1166.123T	12	1.5	1.16	1.02	.87	.73
673—	P1166.153T	15	1.4	1.16	1.02	.87	.73
673—	P1166.183T	18	1.2	1.16	1.02	.87	.73
673—	P1166.223T	22	1.2	1.16	1.02	.87	.73
673—	P1166.273T	27	1	1.16	1.02	.87	.73
673—	P1166.333T	33	0.94	1.16	1.02	.87	.73
673—	P1166.393T	39	0.86	1.16	1.02	.87	.73
673—	P1166.473T	47	0.83	1.16	1.02	.87	.73
673—	P1166.563T	56	0.73	1.16	1.02	.87	.73
673—	P1166.683T	68	0.67	1.16	1.02	.87	.73
673—	P1166.823T	82	0.6	1.16	1.02	.87	.73
673—	P1166.104T	100	0.56	1.16	1.02	.87	.73
673—	P1166.124T	120	0.53	1.16	1.02	.87	.73
673—	P1166.184T	180	0.39	1.16	1.02	.87	.73
673—	P1166.224T	220	0.35	1.16	1.02	.87	.73
673—	P1166.274T	270	0.32	1.16	1.02	.87	.73
673—	P1166.334T	330	0.31	1.16	1.02	.87	.73
673—	P1166.394T	390	0.26	1.16	1.02	.87	.73
673—	P1166.474T	470	0.25	1.16	1.02	.87	.73
673—	P1166.564T	560	0.23	1.16	1.02	.87	.73
673—	P1166.684T	680	0.2	1.16	1.02	.87	.73
673—	P1166.824T	820	0.17	1.16	1.02	.87	.73

Pulse P1168 SERIES

For quantities of 1200 and up, call for quote.

MOUSER STOCK NO.		Inductance (μH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	600
673—	P1168.103T	10	3.6	1.64	1.44	1.23	1.03
673—	P1168.123T	12	3.5	1.64	1.44	1.23	1.03
673—	P1168.153T	15	3.1	1.64	1.44	1.23	1.03
673—	P1168.183T	18	2.8	1.64	1.44	1.23	1.03
673—	P1168.223T	22	2.6	1.64	1.44	1.23	1.03
673—	P1168.273T	27	2.4	1.64	1.44	1.23	1.03
673—	P1168.333T	33	2.2	1.64	1.44	1.23	1.03
673—	P1168.393T	39	1.9	1.64	1.44	1.23	1.03
673—	P1168.473T	47	1.8	1.64	1.44	1.23	1.03
673—	P1168.563T	56	1.7	1.64	1.44	1.23	1.03
673—	P1168.683T	68	1.5	1.64	1.44	1.23	1.03
673—	P1168.823T	82	1.4	1.64	1.44	1.23	1.03
673—	P1168.104T	100	1.2	1.64	1.44	1.23	1.03
673—	P1168.124T	120	1.1	1.64	1.44	1.23	1.03
673—	P1168.154T	150	1	1.64	1.44	1.23	1.03
673—	P1168.184T	180	0.9	1.64	1.44	1.23	1.03
673—	P1168.224T	220	0.8	1.64	1.44	1.23	1.03
673—	P1168.274T	270	0.7	1.64	1.44	1.23	1.03
673—	P1168.334T	330	0.66	1.64	1.44	1.23	1.03
673—	P1168.394T	390	0.62	1.64	1.44	1.23	1.03
673—	P1168.474T	470	0.57	1.64	1.44	1.23	1.03
673—	P1168.564T	560	0.53	1.64	1.44	1.23	1.03
673—	P1168.684T	680	0.5	1.64	1.44	1.23	1.03
673—	P1168.824T	820	0.44	1.64	1.44	1.23	1.03
673—	P1168.105T	1000	0.4	1.64	1.44	1.23	1.03

Pulse P1167 SERIES

Height =.177"

For quantities of 1800 and up, call for quote.

MOUSER STOCK NO.		Inductance (μH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	900
673—	P1167.103T	10	2	1.16	1.02	.87	.73
673—	P1167.123T	12	1.9	1.16	1.02	.87	.73
673—	P1167.153T	15	1.7	1.16	1.02	.87	.73
673—	P1167.183T	18	1.5	1.16	1.02	.87	.73
673—	P1167.223T	22	1.4	1.16	1.02	.87	.73
673—	P1167.273T	27	1.2	1.16	1.02	.87	.73
673—	P1167.333T	33	1.1	1.16	1.02	.87	.73
673—	P1167.393T	39	1	1.16	1.02	.87	.73
673—	P1167.473T	47	0.94	1.16	1.02	.87	.73
673—	P1167.563T	56	0.86	1.16	1.02	.87	.73
673—	P1167.683T	68	0.78	1.16	1.02	.87	.73
673—	P1167.823T	82	0.7	1.16	1.02	.87	.73
673—	P1167.104T	100	0.63	1.16	1.02	.87	.73
673—	P1167.124T	120	0.57	2.10	1.02	.87	.73
673—	P1167.154T	150	0.52	1.16	1.02	.87	.73
673—	P1167.184T	180	0.47	1.16	1.02	.87	.73
673—	P1167.224T	220	0.43	1.16	1.02	.87	.73
673—	P1167.274T	270	0.39	1.16	1.02	.87	.73
673—	P1167.334T	330	0.35	1.16	1.02	.87	.73
673—	P1167.394T	390	0.32	1.16	1.02	.87	.73
673—	P1167.474T	470	0.29	1.16	1.02	.87	.73
673—	P1167.564T	560	0.26	1.16	1.02	.87	.73
673—	P1167.684T	680	0.23	1.16	1.02	.87	.73
673—	P1167.824T	820	0.21	1.16	1.02	.87	.73
673—	P1167.105T	1000	0.19	1.16	1.02	.87	.73

Pulse P1169 SERIES

For quantities of 1200 and up, call for quote.

MOUSER STOCK NO.		Inductance (μH± 20%)	IPK (A)	Price Each			Reel Price Each
Mfr.	Mfr. Part No.			1	50	100	600
673—	P1169.103T	10	3.6	1.64	1.44	1.23	1.03
673—	P1169.123T	12	3.5	1.64	1.44	1.23	1.03
673—	P1169.153T	15	3.1	1.64	1.44	1.23	1.03
673—	P1169.183T	18	2.8	1.64	1.44	1.23	1.03
673—	P1169.223T	22	2.6	1.64	1.44	1.23	1.03
673—	P1169.273T	27	2.4	1.64	1.44	1.23	1.03
673—	P1169.333T	33	2.2	1.64	1.44	1.23	1.03
673—	P1169.393T	39	1.9	1.64	1.44	1.23	1.03
673—	P1169.473T	47	1.8	1.64	1.44	1.23	1.03
673—	P1169.563T	56	1.7	1.64	1.44	1.23	1.03
673—	P1169.683T	68	1.5	1.64	1.44	1.23	1.03
673—	P1169.823T	82	1.4	1.64	1.44	1.23	1.03
673—	P1169.104T	100	1.2	1.64	1.44	1.23	1.03
673—	P1169.124T	120	1.1	1.64	1.44	1.23	1.03
673—	P1169.154T	150	1	1.64	1.44	1.23	1.03
673—	P1169.184T	180	0.9	1.64	1.44	1.23	1.03
673—	P1169.224T	220	0.8	1.64	1.44	1.23	1.03
673—	P1169.274T	270	0.7	1.64	1.44	1.23	1.03
673—	P1169.334T	330	0.66	1.64	1.44	1.23	1.03
673—	P1169.394T	390	0.62	1.64	1.44	1.23	1.03
673—	P1169.474T	470	0.57	1.64	1.44	1.23	1.03
673—	P1169.564T	560	0.53	1.64	1.44	1.23	1.03
673—	P1169.684T	680	0.5	1.64	1.44	1.23	1.03
673—	P1169.824T	820	0.44	1.64	1.44	1.23	1.03
673—	P1169.105T	1000	0.4	1.64	1.44	1.23	1.03

SUMIDA Power Inductors

RoHS Compliant This page of product is compliant.

SUMIDA CDRH2D09 SERIES

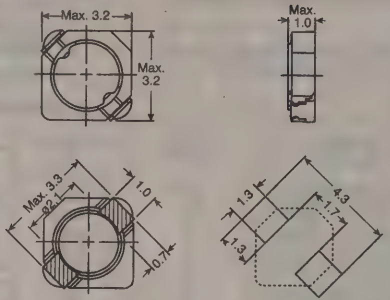
Features:
- Measuring Freq. (L): 100KHz
- Tolerance of Inductance: 1.5μH-10μH ± 30% (N)

For quantities of 1000 and up, call for quote.

Construction

DIMENSIONS: mm

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH2D09NP-1R2MC	CDRH2D09NP-1R2MC	1.2uH	800mA	.88	.70	.64	.58
851-CDRH2D09NP-1R5MC	CDRH2D09NP-1R5MC	1.5uH	730mA	.88	.70	.64	.58
851-CDRH2D09NP-1R8MC	CDRH2D09NP-1R8MC	1.8uH	650mA	.88	.70	.64	.58
851-CDRH2D09NP-2R2MC	CDRH2D09NP-2R2MC	2.2uH	600mA	.88	.70	.64	.58
851-CDRH2D09NP-2R5MC	CDRH2D09NP-2R5MC	2.5uH	530mA	.88	.70	.64	.58
851-CDRH2D09NP-3R0MC	CDRH2D09NP-3R0MC	3.0uH	470mA	.88	.70	.64	.58
851-CDRH2D09NP-3R9MC	CDRH2D09NP-3R9MC	3.9uH	450mA	.88	.70	.64	.58
851-CDRH2D09NP-4R7MC	CDRH2D09NP-4R7MC	4.7uH	410mA	.88	.70	.64	.58
851-CDRH2D09NP-5R6MC	CDRH2D09NP-5R6MC	5.6uH	370mA	.88	.70	.64	.58
851-CDRH2D09NP-6R8MC	CDRH2D09NP-6R8MC	6.8uH	330mA	.88	.70	.64	.58
851-CDRH2D09NP-8R2MC	CDRH2D09NP-8R2MC	8.2uH	300mA	.88	.70	.64	.58
851-CDRH2D09NP-100MC	CDRH2D09NP-100MC	10uH	280mA	.88	.70	.64	.58



RoHS Compliant

SUMIDA CDRH2D18 SERIES

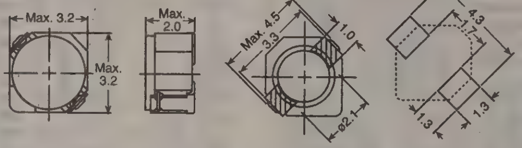
Features:
- Measuring Freq. (L): 100KHz
- Tolerance of Inductance: 1.7μH-15μH ± 30% (N)

For quantities of 1000 and up, call for quote.

Construction

DIMENSIONS: mm

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH2D18HP-1R7NC	CDRH2D18/HP-1R7NC	1.7uH	850mA	1.21	.97	.88	.80
851-CDRH2D18HP-2R2NC	CDRH2D18/HP-2R2NC	2.2uH	850mA	1.21	.97	.88	.80
851-CDRH2D18HP-3R3NC	CDRH2D18/HP-3R3NC	3.3uH	750mA	1.21	.97	.88	.80
851-CDRH2D18HP-4R7NC	CDRH2D18/HP-4R7NC	4.7uH	630mA	1.21	.97	.88	.80
851-CDRH2D18HP-6R3NC	CDRH2D18/HP-6R3NC	6.3uH	550mA	1.21	.97	.88	.80
851-CDRH2D18HP-100NC	CDRH2D18/HP-100NC	10uH	430mA	1.21	.97	.88	.80
851-CDRH2D18HP-150NC	CDRH2D18/HP-150NC	15uH	350mA	1.21	.97	.88	.80



RoHS Compliant

SUMIDA CDRH3D16 SERIES

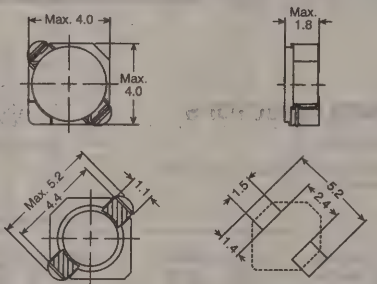
Features:
- Measuring Freq. (L): 100KHz
- Tolerance of Inductance: 1.5μH-33μH ± 30% (N)

For quantities of 1000 and up, call for quote.

Construction

DIMENSIONS: mm

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH3D16NP-1R5NC	CDRH3D16NP-1R5NC	1.5uH	1550mA	1.46	1.17	1.06	.96
851-CDRH3D16NP-2R2NC	CDRH3D16NP-2R2NC	2.2uH	1200mA	1.46	1.17	1.06	.96
851-CDRH3D16NP-3R3NC	CDRH3D16NP-3R3NC	3.3uH	1100mA	1.46	1.17	1.06	.96
851-CDRH3D16NP4R7NC	CDRH3D16NP-4R7NC	4.7uH	900mA	1.46	1.17	1.06	.96
851-CDRH3D16NP-6R8NC	CDRH3D16NP-6R8NC	6.8uH	730mA	1.46	1.17	1.06	.96
851-CDRH3D16NP-100NC	CDRH3D16NP-100NC	10uH	550mA	1.46	1.17	1.06	.96
851-CDRH3D16NP-150NC	CDRH3D16NP-150NC	15uH	450mA	1.46	1.17	1.06	.96
851-CDRH3D16NP-220NC	CDRH3D16NP-220NC	22uH	400mA	1.46	1.17	1.06	.96
851-CDRH3D16NP-330NC	CDRH3D16NP-330NC	33uH	320mA	1.46	1.17	1.06	.96



RoHS Compliant

SUMIDA CDRH5D18

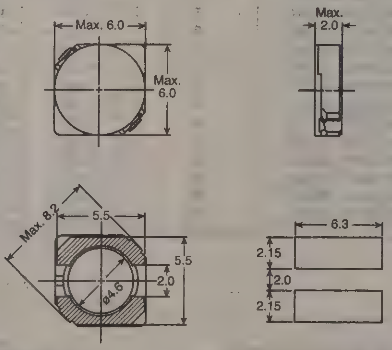
Features:
- Measuring Freq. (L): 100KHz
- Tolerance of Inductance: 4.1μH-100μH ± 30% (N)

For quantities of 1000 and up, call for quote.

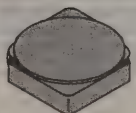
Construction

DIMENSIONS: mm

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH5D18NP-4R1NC	CDRH5D18NP-4R1NC	4.1uH	1950mA	.79	.63	.57	.52
851-CDRH5D18NP-5R4NC	CDRH5D18NP-5R4NC	5.4uH	1600mA	.79	.63	.57	.52
851-CDRH5D18NP-6R2NC	CDRH5D18NP-6R2NC	6.2uH	1400mA	.79	.63	.57	.52
851-CDRH5D18NP-8R9NC	CDRH5D18NP-8R9NC	8.9uH	1250mA	.79	.63	.57	.52
851-CDRH5D18NP-100NC	CDRH5D18NP-100NC	10uH	1200mA	.79	.63	.57	.52
851-CDRH5D18NP-120NC	CDRH5D18NP-120NC	12uH	1100mA	.79	.63	.57	.52
851-CDRH5D18NP-150NC	CDRH5D18NP-150NC	15uH	970mA	.79	.63	.57	.52
851-CDRH5D18NP-180NC	CDRH5D18NP-180NC	18uH	850mA	.79	.63	.57	.52
851-CDRH5D18NP-220NC	CDRH5D18NP-220NC	22uH	800mA	.79	.63	.57	.52
851-CDRH5D18NP-270NC	CDRH5D18NP-270NC	27uH	750mA	.79	.63	.57	.52
851-CDRH5D18NP-330NC	CDRH5D18NP-330NC	33uH	650mA	.79	.63	.57	.52
851-CDRH5D18NP-390NC	CDRH5D18NP-390NC	39uH	570mA	.79	.63	.57	.52
851-CDRH5D18NP-470NC	CDRH5D18NP-470NC	47uH	540mA	.79	.63	.57	.52
851-CDRH5D18NP-560NC	CDRH5D18NP-560NC	56uH	500mA	.79	.63	.57	.52
851-CDRH5D18NP-680NC	CDRH5D18NP-680NC	68uH	430mA	.79	.63	.57	.52
851-CDRH5D18NP-820NC	CDRH5D18NP-820NC	82uH	410mA	.79	.63	.57	.52



RoHS Compliant



SUMIDA CEP125

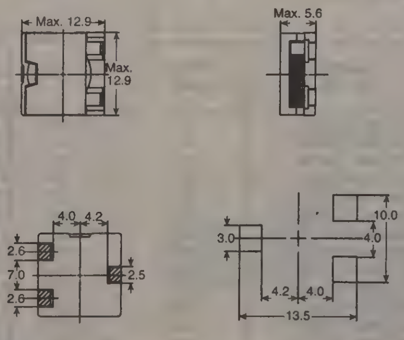
Features:
- Measuring Freq. (L): 100kHz
- Tolerance of Inductance: (S) 0.68μH±30% (N), 1.5μH-10μH±20% (M)
  (H) 0.47μH±30% (N), 1.0μH-7.2μH±20% (M)
  (U) 0.35μH-0.8±30% (N), 1.4μH-5.6μH±20% (M)

Construction

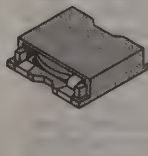
For quantities of 1000 and up, call for quote.

DIMENSIONS: mm

851-CEP125NP-0R3NC-U	CEP125NP-0R3NC-U	.35uH	28.8A	3.25	2.99	2.75	2.50
851-CEP125NP-0R6NC-D	CEP125NP-0R6NC-D	.68uH	20.4A	3.25	2.99	2.75	2.50
851-CEP125NP-0R8NC-U	CEP125NP-0R8NC-U	.8uH	25.7A	3.25	2.99	2.75	2.50
851-CEP125NP-1R0MC-H	CEP125NP-1R0MC-H	1.0uH	20A	3.25	2.99	2.75	2.50
851-CEP125NP-1R4MC-U	CEP125NP-1R4MC-U	1.4uH	19.2A	3.25	2.99	2.75	2.50
851-CEP125NP-1R5MC	CEP125NP-1R5MC	1.5uH	14A	3.25	2.99	2.75	2.50
851-CEP125NP-1R8MC-H	CEP125NP-1R8MC-H	1.8uH	15.3A	3.25	2.99	2.75	2.50
851-CEP125NP-2R2MC-U	CEP125NP-2R2MC-U	2.2uH	14.8A	3.25	2.99	2.75	2.50
851-CEP125NP-2R5MC	CEP125NP-2R5MC	2.5uH	10A	3.25	2.99	2.75	2.50
851-CEP125NP-3R2MC-U	CEP125NP-3R2MC-U	3.2uH	12.8A	3.25	2.99	2.75	2.50
851-CEP125NP-4R0MC	CEP125NP-4R0MC	4.0uH	8.3A	3.25	2.99	2.75	2.50
851-CEP125NP-4R0MC-H	CEP125NP-4R0MC-H	4.0uH	10.3A	3.25	2.99	2.75	2.50
851-CEP125NP-4R3MC-U	CEP125NP-4R3MC-U	4.3uH	11A	3.25	2.99	2.75	2.50
851-CEP125NP-5R6MC-H	CEP125NP-5R6MC-H	5.6uH	8.8A	3.25	2.99	2.75	2.50
851-CEP125NP-6R0MC	CEP125NP-6R0MC	6.0uH	6.7A	3.25	2.99	2.75	2.50
851-CEP125NP-7R2MC-H	CEP125NP-7R2MC-H	7.2uH	7.8A	3.25	2.99	2.75	2.50
851-CEP125NP-8R2MC	CEP125NP-8R2MC	8.2uH	5.8A	3.25	2.99	2.75	2.50
851-CEP125NP-100MC	CEP125NP-100MC	10uH	5.0A	3.25	2.99	2.75	2.50



RoHS Compliant



SUMIDA Power Inductors

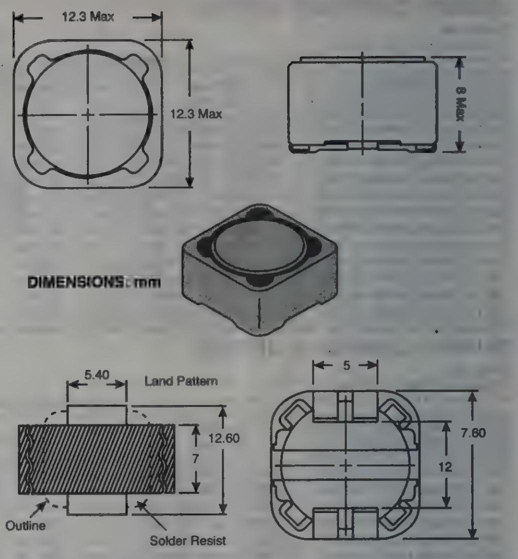
SUMIDA CDRH127LD POWER INDUCTORS

This page of product is compliant.

CDRH127/LD is a low DCR direct drop-in version of Sumida's most popular series, the CDRH127 series. EMI Shielding is used to minimize crosstalk interference.

RoHS Compliant

Construction



For quantities of 1000 and up, call for quote.

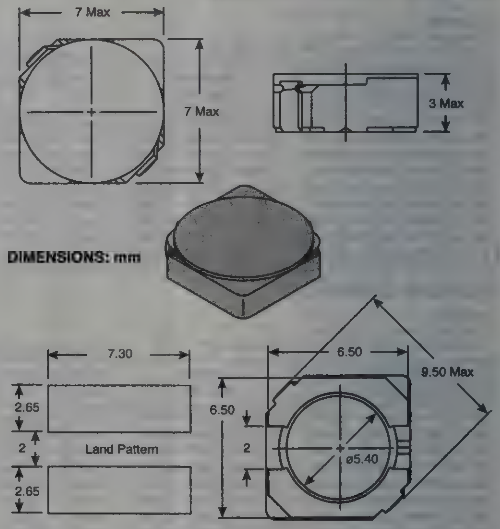
MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH127LDNP2R4NC	CDRH127/LDNP-2R4NC	2.4	10.3	3.05	2.78	2.07	1.75
851-CDRH127LDNP3R5NC	CDRH127/LDNP-3R5NC	3.5	9.3	3.05	2.78	2.07	1.75
851-CDRH127LDNP100MC	CDRH127/LDNP-100MC	10	6.7	3.05	2.78	2.07	1.75
851-CDRH127LDNP120MC	CDRH127/LDNP-120MC	12	6.45	3.05	2.78	2.07	1.75
851-CDRH127LDNP150MC	CDRH127/LDNP-150MC	15	5.65	3.05	2.78	2.07	1.75
851-CDRH127LDNP180MC	CDRH127/LDNP-180MC	18	5.1	3.05	2.78	2.07	1.75
851-CDRH127LDNP220MC	CDRH127/LDNP-220MC	22	4.7	3.05	2.78	2.07	1.75
851-CDRH127LDNP270MC	CDRH127/LDNP-270MC	27	4.2	3.05	2.78	2.07	1.75
851-CDRH127LDNP330MC	CDRH127/LDNP-330MC	33	3.9	3.05	2.78	2.07	1.75
851-CDRH127LDNP390MC	CDRH127/LDNP-390MC	39	3.5	3.05	2.78	2.07	1.75
851-CDRH127LDNP470MC	CDRH127/LDNP-470MC	47	3.25	3.05	2.78	2.07	1.75
851-CDRH127LDNP560MC	CDRH127/LDNP-560MC	56	2.9	3.05	2.78	2.07	1.75
851-CDRH127LDNP680MC	CDRH127/LDNP-680MC	68	2.6	3.05	2.78	2.07	1.75
851-CDRH127LDNP820MC	CDRH127/LDNP-820MC	82	2.4	3.05	2.78	2.07	1.75
851-CDRH127LDNP101MC	CDRH127/LDNP-101MC	100	2.1	3.05	2.78	2.07	1.75
851-CDRH127LDNP151MC	CDRH127/LDNP-151MC	150	1.8	3.05	2.78	2.07	1.75
851-CDRH127LDNP221MC	CDRH127/LDNP-221MC	220	1.45	3.05	2.78	2.07	1.75
851-CDRH127LDNP331MC	CDRH127/LDNP-331MC	330	1.2	3.05	2.78	2.07	1.75
851-CDRH127LDNP471MC	CDRH127/LDNP-471MC	470	1	3.05	2.78	2.07	1.75
851-CDRH127LDNP681MC	CDRH127/LDNP-681MC	680	0.85	3.05	2.78	2.07	1.75
851-CDRH127LDNP102MC	CDRH127/LDNP-102MC	1000	0.7	3.05	2.78	2.07	1.75

SUMIDA CDRH6D28 POWER INDUCTORS

RoHS Compliant

Construction

Low profile SMD power inductors with electrodes directly attached to the ferrite core. EMI Shielding is used to minimize crosstalk interference.



For quantities of 1000 and up, call for quote.

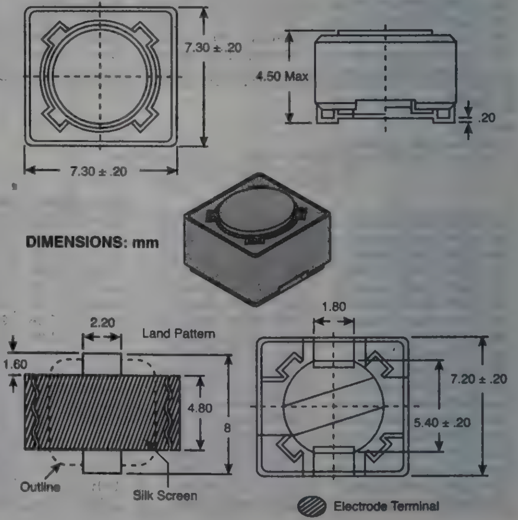
MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH6D28NP-3R0NC	CDRH6D28NP-3R0NC	3	3	1.10	1.00	.75	.60
851-CDRH6D28NP-3R9NC	CDRH6D28NP-3R9NC	3.9	2.6	1.10	1.00	.75	.69
851-CDRH6D28NP-5R0NC	CDRH6D28NP-5R0NC	5	2.4	1.10	1.00	.75	.60
851-CDRH6D28NP-6R0NC	CDRH6D28NP-6R0NC	6	2.25	1.10	1.00	.75	.60
851-CDRH6D28NP-7R3NC	CDRH6D28NP-7R3NC	7.3	2.1	1.10	1.00	.75	.60
851-CDRH6D28NP-100NC	CDRH6D28NP-100NC	10	1.7	1.10	1.00	.75	.60
851-CDRH6D28NP-150NC	CDRH6D28NP-150NC	15	1.4	1.10	1.00	.75	.60
851-CDRH6D28NP-180NC	CDRH6D28NP-180NC	18	1.32	1.10	1.00	.75	.60
851-CDRH6D28NP-220NC	CDRH6D28NP-220NC	22	1.2	1.10	1.00	.75	.60
851-CDRH6D28NP-270NC	CDRH6D28NP-270NC	27	1.05	1.10	1.00	.75	.60
851-CDRH6D28NP-330NC	CDRH6D28NP-330NC	33	0.97	1.10	1.00	.75	.60
851-CDRH6D28NP-470NC	CDRH6D28NP-470NC	47	0.8	1.10	1.00	.75	.60
851-CDRH6D28NP-680NC	CDRH6D28NP-680NC	68	0.65	1.10	1.00	.75	.69
851-CDRH6D28NP-101NC	CDRH6D28NP-101NC	100	0.54	1.10	1.00	.75	.60

SUMIDA CDRH74 POWER INDUCTORS

RoHS Compliant

Construction

SMD power inductors with electrodes directly attached to the ferrite core. EMI Shielding is used to minimize crosstalk interference.



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH74NP-100MC	CDRH74NP-100MC	10	1.84	1.49	1.36	1.01	.88
851-CDRH74NP-150MC	CDRH74NP-150MC	15	1.47	1.49	1.36	1.01	.88
851-CDRH74NP-180MC	CDRH74NP-180MC	18	1.31	1.49	1.36	1.01	.88
851-CDRH74NP-220MC	CDRH74NP-220MC	22	1.23	1.49	1.36	1.01	.88
851-CDRH74NP-270MC	CDRH74NP-270MC	27	1.12	1.49	1.36	1.01	.88
851-CDRH74NP-330MC	CDRH74NP-330MC	33	0.96	1.49	1.36	1.01	.88
851-CDRH74NP-470MC	CDRH74NP-470MC	47	0.88	1.49	1.36	1.01	.88
851-CDRH74NP-680MC	CDRH74NP-680MC	68	0.69	1.49	1.36	1.01	.88
851-CDRH74NP-101MC	CDRH74NP-101MC	100	0.6	1.49	1.36	1.01	.88
851-CDRH74NP-221MC	CDRH74NP-221MC	220	0.36	1.49	1.36	1.01	.88
851-CDRH74NP-331MC	CDRH74NP-331MC	330	0.32	1.49	1.36	1.01	.88
851-CDRH74NP-471MC	CDRH74NP-471MC	470	0.26	1.49	1.36	1.01	.88
851-CDRH74NP-102MC	CDRH74NP-102MC	1000	0.45	1.49	1.36	1.01	.88

SUMIDA Power Inductors

RoHS Compliant **This page of product is compliant.**

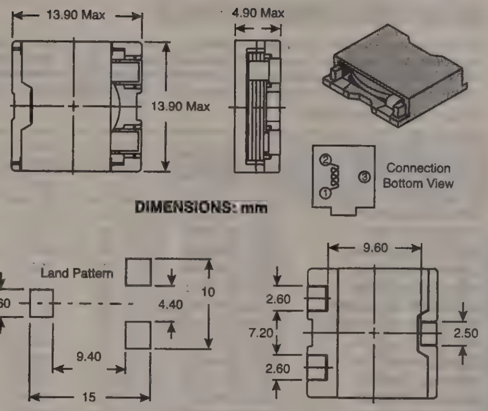
SUMIDA CDEP134 POWER INDUCTORS

High current handling and low DCR are achieved in a small package with Flat Wire Technology. EMI Shielding is used to minimize crosstalk interference.

RoHS Compliant Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Inductance Tolerance	Price Each			
					1	10	100	500
851-CDEP134NP0R3NC-H	CDEP134NP-0R3NC-H	0.3	18.5	±30%	4.72	4.23	3.20	2.79
851-CDEP134NP-R6NC-H	CDEP134NP-0R6NC-H	0.66	17	±30%	4.72	4.29	3.20	2.39
851-CDEP134NP-0R9MC	CDEP134NP-0R9MC	0.9	17	±20%	4.72	4.23	3.20	2.79
851-CDEP134NP1R2MC-H	CDEP134NP-1R2MC-H	1.2	15	±20%	4.72	4.23	3.20	2.79
851-CDEP134NP-1R6MC	CDEP134NP-1R6MC	1.6	15	±20%	4.72	4.29	3.20	2.39
851-CDEP134NP-2R5MC	CDEP134NP-2R5MC	2.5	10.5	±20%	4.72	4.23	3.20	2.79
851-CDEP134NP2R7MC-H	CDEP134NP-2R7MC-H	2.7	12	±20%	4.72	4.29	3.20	2.39
851-CDEP134NP3R6MC-H	CDEP134NP-3R6MC-H	3.6	7.5	±20%	4.72	4.23	3.20	2.79
851-CDEP134NP-4R8MC	CDEP134NP-4R8MC	4.8	7	±20%	4.72	4.29	3.20	2.39
851-CDEP134NP6R0MC-H	CDEP134NP-6R0MC-H	6	6.5	±20%	4.72	4.23	3.20	2.79
851-CDEP134NP-6R4MC	CDEP134NP-6R4MC	6.4	7	±20%	4.72	4.23	3.20	2.79
851-CDEP134NP-8R0MC	CDEP134NP-8R0MC	8	6.5	±20%	4.72	4.23	3.20	2.79



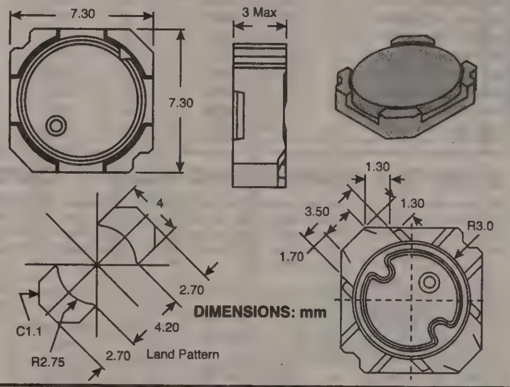
SUMIDA CDR7D28MN POWER INDUCTORS

The DC superposition characteristic is extended by making manganese zinc and nickel zinc ferrite core into a hybrid as compared with the previous type.

RoHS Compliant Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDR7D28MNNP1R2NC	CDR7D28MNNP-1R2NC	1.2	4.5	2.04	1.70	1.48	1.29
851-CDR7D28MNNP2R0NC	CDR7D28MNNP-2R0NC	2	3.95	2.04	1.70	1.48	1.29
851-CDR7D28MNNP3R6NC	CDR7D28MNNP-3R6NC	3.6	3.45	2.04	1.70	1.48	1.29
851-CDR7D28MNNP4R6NC	CDR7D28MNNP-4R6NC	4.6	3.1	2.04	1.70	1.48	1.29
851-CDR7D28MNNP6R8NC	CDR7D28MNNP-6R8NC	6.8	2.75	2.04	1.70	1.48	1.29
851-CDR7D28MNNP8R0NC	CDR7D28MNNP-8R0NC	8	2.6	2.04	1.70	1.48	1.29
851-CDR7D28MNNP100NC	CDR7D28MNNP-100NC	10	2.5	2.04	1.70	1.48	1.29
851-CDR7D28MNNP150NC	CDR7D28MNNP-150NC	15	2	2.04	1.70	1.48	1.29
851-CDR7D28MNNP220NC	CDR7D28MNNP-220NC	22	1.6	2.04	1.70	1.48	1.29
851-CDR7D28MNNP330NC	CDR7D28MNNP-330NC	33	1.2	2.04	1.70	1.48	1.29

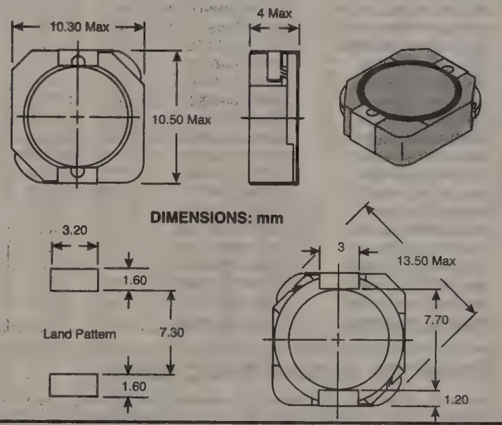


SUMIDA CDRH104R POWER INDUCTORS

RoHS Compliant Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH104RNP-1R5NC	CDRH104RNP-1R5NC	1.5	6.5	2.45	2.23	2.01	1.65
851-CDRH104RNP-2R5NC	CDRH104RNP-2R5NC	2.5	6.1	2.45	2.23	2.01	1.65
851-CDRH104RNP-3R8NC	CDRH104RNP-3R8NC	3.8	5.5	2.45	2.23	2.01	1.65
851-CDRH104RNP-5R2NC	CDRH104RNP-5R2NC	5.2	5.4	2.45	2.23	2.01	1.65
851-CDRH104RNP-7R0NC	CDRH104RNP-7R0NC	7	4.5	2.45	2.23	2.01	1.65
851-CDRH104RNP-100NC	CDRH104RNP-100NC	10	3.8	2.45	2.23	2.01	1.65
851-CDRH104RNP-150NC	CDRH104RNP-150NC	15	3.1	2.45	2.23	2.01	1.75
851-CDRH104RNP-220NC	CDRH104RNP-220NC	22	2.5	2.45	2.23	2.01	1.65
851-CDRH104RNP-330NC	CDRH104RNP-330NC	33	2.2	2.45	2.23	2.01	1.65
851-CDRH104RNP-470NC	CDRH104RNP-470NC	47	1.9	2.45	2.23	2.01	1.65
851-CDRH104RNP-680NC	CDRH104RNP-680NC	68	1.42	2.45	2.23	2.01	1.75
851-CDRH104RNP-101NC	CDRH104RNP-101NC	100	1.25	2.45	2.23	2.01	1.65



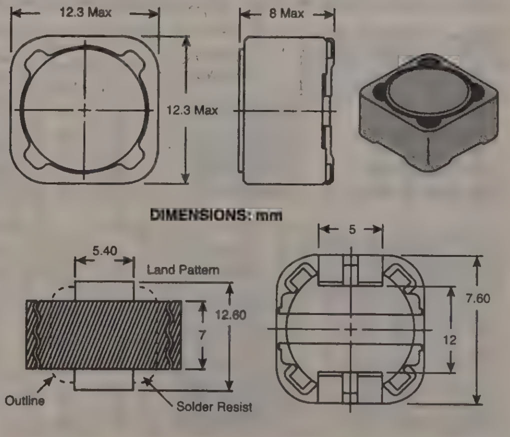
SUMIDA CDRH127 POWER INDUCTORS

CDRH127 series are SMD power inductors with electrodes directly attached to the ferrite core. EMI Shielding is used to minimize crosstalk interference.

RoHS Compliant Construction

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Sumida Part No.	Value (μH)	Current (A)	Price Each			
				1	10	100	500
851-CDRH127NP-4R7NC	CDRH127NP-4R7NC	4.7	6.8	3.05	2.78	2.07	1.75
851-CDRH127NP-6R1NC	CDRH127NP-6R1NC	6.1	6.6	3.05	2.78	2.07	1.75
851-CDRH127NP-7R6NC	CDRH127NP-7R6NC	7.6	5.9	3.05	2.78	2.07	1.75
851-CDRH127NP-100MC	CDRH127NP-100MC	10	5.4	3.05	2.78	2.07	1.75
851-CDRH127NP-150MC	CDRH127NP-150MC	15	4.5	3.05	2.78	2.07	1.75
851-CDRH127NP-220MC	CDRH127NP-220MC	22	3.6	3.05	2.78	2.07	1.75
851-CDRH127NP-270MC	CDRH127NP-270MC	27	3.4	3.05	2.78	2.07	1.75
851-CDRH127NP-330MC	CDRH127NP-330MC	33	3	3.05	2.78	2.07	1.75
851-CDRH127NP-390MC	CDRH127NP-390MC	39	2.75	3.05	2.78	2.07	1.75
851-CDRH127NP-470MC	CDRH127NP-470MC	47	2.5	3.05	2.78	2.07	1.75
851-CDRH127NP-560MC	CDRH127NP-560MC	56	2.35	3.05	2.78	2.07	1.75
851-CDRH127NP-680MC	CDRH127NP-680MC	68	2.1	3.05	2.78	2.07	1.75
851-CDRH127NP-101MC	CDRH127NP-101MC	100	1.7	3.05	2.78	2.07	1.75
851-CDRH127NP-102MC	CDRH127NP-102MC	1000	0.55	3.05	2.78	2.07	1.75



SCHURTER Chokes

SCHURTER LINEAR CHOKES

These chokes mount either horizontally or vertically for reduced height or board area used. Finest quality core materials allow the highest electrical performance with minimum component volume. Good design and easy assembly allow good cost/performance ratios. This type of choke is essential in the field of power electronics, e.g. switching power supplies, chopper amplifiers, DC drives and stepper motor controls. They are rated 600VDC and can be used at up to 20kHZ.

RoHS Compliant

- Rated current specified at 70°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Nom. Inductance (μH)	Rated Current IN(A)	Max. DCR (mΩ)	Price Each			
						1	25	50	100
693-DLF-18-0002	DLF-18-0002	A	650	0.6	690	**2.96**	**2.90**	**2.83**	**2.70**
693-DLF-18-0006	DLF-18-0006	A	15	4	17	**2.96**	**2.90**	**2.83**	**2.70**
693-DLF-28-0004	DLF-28-0004	A	500	1.5	1700	**3.76**	**3.68**	**3.59**	**3.43**
693-DLF-28-0006	DLF-28-0006	A	100	3	270	**3.76**	**3.68**	**3.59**	**3.43**
693-DLF-28-0008	DLF-28-0008	A	20	7	70	**3.76**	**3.68**	**3.59**	**3.43**
693-DLNP-6148-D6D1	DLNP-6148-D6D1	B	100	0.6	600	**6.34**	**6.21**	**6.06**	**5.78**
693-DLNP-6148-01C5	DLNP-6148-01C5	B	50	1	280	**6.34**	**6.21**	**6.06**	**5.78**
693-DLH-14-0001	DLH-14-0001	C	500	0.6	750	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-14-0002	DLH-14-0002	C	200	1	220	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-14-0003	DLH-14-0003	C	50	2	50	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-22-0001	DLH-22-0001	C	5000	0.45	2600	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-22-0002	DLH-22-0002	C	3000	0.6	1550	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-22-0004	DLH-22-0004	C	500	1.5	280	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-22-0005	DLH-22-0005	C	300	1.8	180	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-22-0007	DLH-22-0007	C	50	4.5	30	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-22-0008	DLH-22-0008	C	20	7	12	**2.96**	**2.90**	**2.83**	**2.70**
693-DLH-31-0001	DLH-31-0001	C	5500	0.6	3600	**4.56**	**4.46**	**4.37**	**4.16**
693-DLH-31-0003	DLH-31-0003	C	800	1.6	470	**4.51**	**4.41**	**4.30**	**4.11**
693-DLH-31-0005	DLH-31-0005	C	300	2.5	160	**4.60**	**4.50**	**4.39**	**4.19**
693-DLH-31-0007	DLH-31-0007	C	130	4	53	**4.51**	**4.41**	**4.30**	**4.11**

SCHURTER COMPENSATED MULTIPLE CHOKES

Magnetic compensating chokes are primarily used as interference suppression components where common mode interference is a problem. Coupled with suitable capacitors these chokes can operate as interference protection suppression filter systems. The range offers a wide choice of operating voltages, rated currents, inductance values, etc., and are enclosed in plastic enclosures to protect them from environmental factors such as humidity, shock and vibration. They are rated at 250 or 440VAC.

RoHS Compliant

- Rated current specified at 40°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Nom. Inductance (mH)	Rated Current IN(A)	Max. DCR (mΩ)	Price Each			
						1	25	50	100
693-DFKF-18-0001	DFKF-18-0001	D	2 X 40	0.4	2 X 1200	**2.87**	2.81	2.75	2.63
693-DFKF-18-0003	DFKF-18-0003	D	2 X 3.3	1.5	2 X 110	**2.87**	2.81	2.75	2.63
693-DKFP-6248-D504	DKFP-6248-D504	E	2 X 4	0.5	2 X 500	3.57	3.49	3.41	3.25
693-DKFP-6248-0102	DKFP-6248-0102	E	2 X 2	0.9	2 X 240	3.57	3.49	3.41	3.25
693-DKFP-6248-02D5	DKFP-6248-02D5	E	2 X 0.5	2	2 X 50	3.57	3.49	3.41	3.25
693-DFKH-14-0001	DFKH-14-0001	F	2 X 11	0.6	2 X 600	3.02	2.95	2.88	2.75
693-DFKH-14-0002	DFKH-14-0002	F	2 X 4	1	2 X 250	3.02	2.95	2.88	2.75
693-DFKH-14-0003	DFKH-14-0003	F	2 X 1	2	2 X 65	3.02	2.95	2.88	2.75
693-DFKH-31-0001	DFKH-31-0001	F	2 X 50	0.6	2 X 1200	5.64	5.52	5.40	5.14
693-DFKH-31-0002	DFKH-31-0002	F	2 X 33	1	2 X 700	4.51	4.41	4.30	4.11
693-DFKH-31-0003	DFKH-31-0003	F	2 X 27	1.4	2 X 470	4.51	4.41	4.30	4.11
693-DFKH-31-0005	DFKH-31-0005	F	2 X 6.8	2	2 X 150	4.51	4.41	4.30	4.11
693-DFKH-31-0007	DFKH-31-0007	F	2 X 3.3	4	2 X 58	4.51	4.41	4.30	4.11
693-DFKH-31-0008	DFKH-31-0008	F	2 X 2	6	2 X 24	4.79	4.68	4.57	4.36
693-DKIP-0229-1005	DKIP-0229-1005	G	2 X 5	10	2 X 18	26.53	25.95	25.36	24.18
693-DKIP-0229-1502	DKIP-0229-1502	G	2 X 2	15	2 X 8	26.07	25.50	24.92	23.75
693-DKIP-0229-2001	DKIP-0229-2001	G	2 X 1.1	20	2 X 6	26.53	25.95	25.36	24.18
693-DKIP-0231-2003	DKIP-0231-2003	G	2 X 3	20	2 X 10	45.02	44.03	43.03	41.02
693-DKIP-0233-3005	DKIP-0233-3005	G	2 X 5	30	2 X 12.5	125.78	122.98	120.18	114.60
693-DKIP-0233-5002	DKIP-0233-5002	G	2 X 2	50	2 X 5	132.75	129.80	126.84	120.94

SCHURTER SATURATING CHOKES

Magnetic saturating chokes are used mainly in phase angle control circuits using thyristors, triacs or transistors. These chokes are called non-linear inductors. Together with capacitors, they perform as an LC filter at the point of switching. As soon as the current starts to flow, the inductance drops significantly and at the point of complete saturation, its value is approximately that of an air-core coil. Chokes of this kind are very popular due to their low-cost-volume ratio. The DLFP/DLFL series still show more than 40% of their inductance at In. Due to this they are referred to as "linear-saturating" chokes.

RoHS Compliant

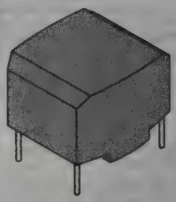
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current IN(A)	Cx1/Cx2 (μF)	Max. DCR (mΩ)	Price Each			
						1	25	50	100
693-DFSG-20-0001	DFSG-20-0001	H	0.8	0.1/0.15	1300	**5.76**	**5.62**	**5.50**	**5.24**
693-DFSG-20-0002	DFSG-20-0002	H	1.5	0.15/0.22	450	**5.76**	**5.62**	**5.50**	**5.24**
693-DFSG-25-0001	DFSG-25-0001	H	2	0.15/0.22	260	**6.84**	**6.68**	**6.53**	**6.23**
693-DFSG-33-0001	DFSG-33-0001	H	5	0.22/0.22	70	**9.65**	**9.45**	**9.23**	**8.80**
693-DFSG-33-0002	DFSG-33-0002	H	10	0.47/0.47	30	**9.65**	**9.45**	**9.23**	**8.80**

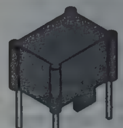
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current IN(A)	Fres (MHz)	Max. DCR (mΩ)	Price Each			
						1	25	50	100
693-DLFL-0125-0501	DLFL-0125-0501	I	5	0.8	120	**20.63**	**20.18**	**19.72**	**18.80**
693-DLFL-0147-12D5	DLFL-0147-12D5	I	12	1.16	38	**26.01**	**25.43**	**24.85**	**23.70**
693-DLFL-0147-25D2	DLFL-0147-25D2	I	25	2.5	10	**26.01**	**25.43**	**24.85**	**23.70**
693-DLFL-0132-45D2	DLFL-0132-45D2	I	45	1.1	6	**73.87**	**72.24**	**70.59**	**67.30**
693-DLFP-0125-0501	DLFP-0125-0501	J	5	0.8	120	**21.13**	**20.66**	**20.18**	**19.25**
693-DLFP-0147-12D5	DLFP-0147-12D5	J	12	1.16	38	**26.56**	**25.97**	**25.38**	**24.21**
693-DLFP-0147-35C5	DLFP-0147-35C5	J	35	3.5	5.3	**31.24**	**30.54**	**29.85**	**28.46**

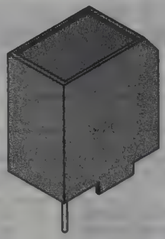
A



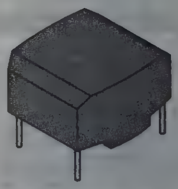
B



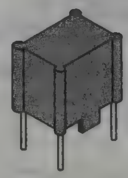
C



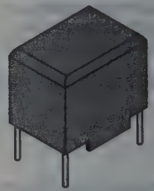
D



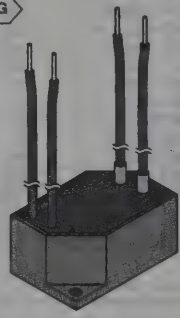
E



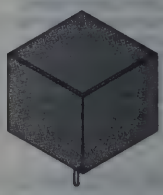
F



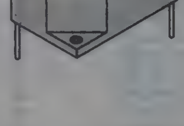
G



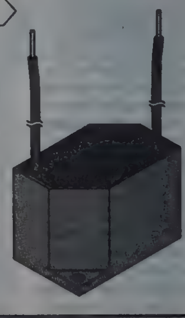
H



I



J



TDK SMD Power Inductors

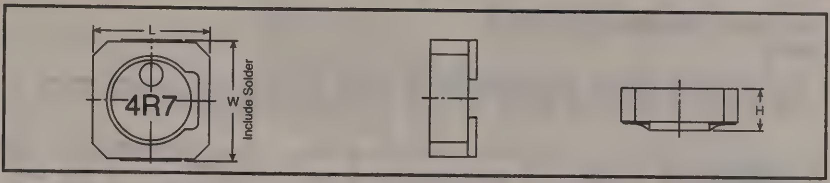
TDK

VLCF SERIES

DIMENSIONS: mm

Features:
- Miniature Size
- Magnetic Shielded
- Use in DC-DC converters

RoHS Compliant



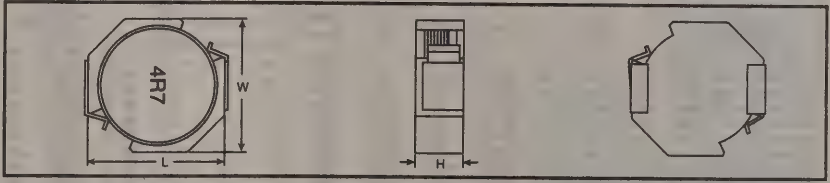
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Inductance (µH)	Current (A)	Tolerance	Test Freq. (KHz)	DC Resistance (Ω)	Case Size (LxWxH)	Price Each			
								1	10	100	500
810-VLCF418T1R6N1R72	VLCF4018T-1R6N1R7-2	1.6	1.7	±30%	100	0.051	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T2N2N1R42	VLCF4018T-2N2N1R4-2	2.2	1.4	±30%	100	0.06	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T3R3N1R22	VLCF4018T-3R3N1R2-2	3.3	1.2	±30%	100	0.079	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T4R7N1R02	VLCF4018T-4R7N1R0-2	4.7	1.0	±30%	100	0.101	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T6R8NR942	VLCF4018T-6R8NR94-2	6.8	0.94	±30%	100	0.124	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T100MR742	VLCF4018T-100MR74-2	10	0.74	±20%	100	0.188	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T150MR592	VLCF4018T-150MR59-2	15	0.59	±20%	100	0.268	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T220MR492	VLCF4018T-220MR49-2	22	0.49	±20%	100	0.369	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T330MR422	VLCF4018T-330MR42-2	33	0.42	±20%	100	0.54	4x4x1.8mm	.62	.41	.37	.34
810-VLCF418T470MR342	VLCF4018T-470MR34-2	47	0.34	±20%	100	0.76	4x4x1.8mm	.62	.41	.37	.34
810-VLCF4020T1R8N1R9	VLCF4020T-1R8N1R9	1.8	1.9	±30%	100	0.051	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T2R2N1R7	VLCF4020T-2R2N1R7	2.2	1.7	±30%	100	0.059	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T3R3N1R5	VLCF4020T-3R3N1R5	3.3	1.5	±30%	100	0.078	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T4R7N1R2	VLCF4020T-4R7N1R2	4.7	1.2	±30%	100	0.098	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T6R8N1R0	VLCF4020T-6R8N1R0	6.8	1.0	±30%	100	0.131	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T100MR85	VLCF4020T-100MR85	10	0.85	±20%	100	0.185	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T150MR68	VLCF4020T-150MR68	15	0.68	±20%	100	0.303	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T220MR56	VLCF4020T-220MR56	22	0.56	±20%	100	0.431	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T270MR48	VLCF4020T-270MR48	27	0.48	±20%	100	0.496	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T330MR47	VLCF4020T-330MR47	33	0.47	±20%	100	0.628	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T470MR39	VLCF4020T-470MR39	47	0.39	±20%	100	0.934	4x4x2.0mm	.62	.41	.37	.34
810-VLCF4020T101MR26	VLCF4020T-101MR26	100	0.26	±20%	100	1.4	4x4x2.0mm	.62	.41	.37	.34
810-VLCF5020T1R8N2R0	VLCF5020T-1R8N2R0	1.8	2.0	±30%	100	0.059	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T2R2N2R61	VLCF5020T-2R2N2R6-1	2.2	2.6	±30%	100	0.071	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T2R7N1R7	VLCF5020T-2R7N1R7	2.7	1.7	±30%	100	0.071	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T2R7N2R21	VLCF5020T-2R7N2R2-1	2.7	2.2	±30%	100	0.083	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T3R3N1R6	VLCF5020T-3R3N1R6	3.3	1.6	±30%	100	0.083	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T3R3N2R01	VLCF5020T-3R3N2R0-1	3.3	2.0	±30%	100	0.096	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T4R7N1R4	VLCF5020T-4R7N1R4	4.7	1.4	±30%	100	0.096	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T4R7N1R71	VLCF5020T-4R7N1R7-1	4.7	1.7	±30%	100	0.122	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T6R8N1R1	VLCF5020T-6R8N1R1	6.8	1.1	±30%	100	0.122	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T6R8N1R31	VLCF5020T-6R8N1R3-1	6.8	1.3	±30%	100	0.165	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T100MR87	VLCF5020T-100MR87	10	0.87	±20%	100	0.182	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T100M1R11	VLCF5020T-100M1R1-1	10	1.1	±20%	100	0.237	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T150MR71	VLCF5020T-150MR71	15	0.71	±20%	100	0.256	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T150MR901	VLCF5020T-150MR90-1	15	0.90	±20%	100	0.35	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T220MR58	VLCF5020T-220MR58	22	0.58	±20%	100	0.373	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T220MR751	VLCF5020T-220MR75-1	22	0.75	±20%	100	0.496	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T330MR48	VLCF5020T-330MR48	33	0.48	±20%	100	0.522	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T330MR621	VLCF5020T-330MR62-1	33	0.62	±20%	100	0.717	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T470MR40	VLCF5020T-470MR40	47	0.40	±20%	100	0.748	5x5x2.0mm	.66	.44	.40	.29
810-VLCF52T470MR511	VLCF5020T-470MR51-1	47	0.51	±20%	100	1.05	5x5x2.0mm	.66	.44	.40	.29
810-VLCF5020T101MR27	VLCF5020T-101MR27	100	0.27	±20%	100	1.581	5x5x2.0mm	.66	.44	.40	.29

VLF SERIES

Features:
- Low Coil Resistance
- Excellent Shielding Effect
- Lead Free - RoHS Compliant
- Usable in mobile electronics

DIMENSIONS: mm



For quantities of 1000 and up, call for quote.

810-VLF3010AT1R5N1R2	VLF3010AT-1R5N1R2	1.5	1.2	±30%	100	0.068	2.6x2.8x1.0mm	.72	.48	.44	.40
810-VLF3010AT2R2M1R0	VLF3010AT-2R2M1R0	2.2	1.0	±20%	100	0.10	2.6x2.8x1.0mm	.72	.48	.44	.40
810-VLF3010AT3R3MR87	VLF3010AT-3R3MR87	3.3	0.87	±20%	100	0.15	2.6x2.8x1.0mm	.72	.48	.44	.40
810-VLF3010AT4R7MR70	VLF3010AT-4R7MR70	4.7	0.70	±20%	100	0.24	2.6x2.8x1.0mm	.72	.48	.44	.40
810-VLF3010AT6R8MR61	VLF3010AT-6R8MR61	6.8	0.61	±20%	100	0.34	2.6x2.8x1.0mm	.72	.48	.44	.40
810-VLF3010AT100MR49	VLF3010AT-100MR49	10	0.49	±20%	100	0.58	2.6x2.8x1.0mm	.72	.48	.44	.40
810-VLF3010AT150MR40	VLF3010AT-150MR40	15	0.40	±20%	100	0.75	2.6x2.8x1.0mm	.72	.48	.44	.40
810-VLF3010AT220MR33	VLF3010AT-220MR33	22	0.33	±20%	100	1.3	2.6x2.8x1.0mm	.72	.48	.44	.40
810-VLF3012AT1R5N1R2	VLF3012AT-1R5N1R2	1.5	1.2	±30%	100	0.059	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT2R2M1R0	VLF3012AT-2R2M1R0	2.2	1.0	±20%	100	0.088	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT3R3MR87	VLF3012AT-3R3MR87	3.3	0.87	±20%	100	0.11	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT4R7MR74	VLF3012AT-4R7MR74	4.7	0.74	±20%	100	0.16	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT6R8MR59	VLF3012AT-6R8MR59	6.8	0.59	±20%	100	0.23	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT100MR49	VLF3012AT-100MR49	10	0.49	±20%	100	0.36	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT150MR41	VLF3012AT-150MR41	15	0.41	±20%	100	0.54	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT220MR33	VLF3012AT-220MR33	22	0.33	±20%	100	0.66	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT330MR27	VLF3012AT-330MR27	33	0.27	±20%	100	1.1	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF3012AT470MR22	VLF3012AT-470MR22	47	0.22	±20%	100	1.9	2.6x2.8x1.2mm	.69	.46	.42	.38
810-VLF4012AT1R5M1R6	VLF4012AT-1R5M1R6	1.5	1.6	±20%	100	0.069	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT2R2M1R5	VLF4012AT-2R2M1R5	2.2	1.5	±20%	100	0.076	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT3R3M1R3	VLF4012AT-3R3M1R3	3.3	1.3	±20%	100	0.10	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT4R7M1R1	VLF4012AT-4R7M1R1	4.7	1.1	±20%	100	0.14	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT6R8MR96	VLF4012AT-6R8MR96	6.8	0.96	±20%	100	0.20	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT100MR79	VLF4012AT-100MR79	10	0.79	±20%	100	0.30	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT150MR63	VLF4012AT-150MR63	15	0.63	±20%	100	0.46	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT220MR51	VLF4012AT-220MR51	22	0.51	±20%	100	0.71	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT330MR39	VLF4012AT-330MR39	33	0.39	±20%	100	1.2	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF4012AT470MR30	VLF4012AT-470MR30	47	0.30	±20%	100	2.0	3.5x3.7x1.2mm	.66	.44	.40	.36
810-VLF5014AT4R7M1R1	VLF5014AT-4R7M1R1	4.7	1.1	±20%	100	0.12	4.5x4.7x1.4mm	1.02	.68	.62	.56
810-VLF5014AT6R8MR99	VLF5014AT-6R8MR99	6.8	0.99	±20%	100	0.16	4.5x4.7x1.4mm	1.02	.68	.62	.56
810-VLF5014AT100MR92	VLF5014AT-100MR92	10	0.92	±20%	100	0.19	4.5x4.7x1.4mm	1.02	.68	.62	.56
810-VLF5014AT150MR76	VLF5014AT-150MR76	15	0.76	±20%	100	0.28	4.5x4.7x1.4mm	1.02	.68	.62	.56

TDK Ferrite Beads and GigaHertz Rated Inductors

TDK MLK SERIES INDUCTORS

Features:

- Supports operating frequency bands of up to 12GHz with nominal inductance values from 1 to 33nH.
- The gigaspiral multilayer structure reduces self-resonant frequencies and suppresses the reduction of Q values in gigahertz bandwidths.
- Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency.
- Completely lead-free product which contains no lead in any of the materials used. It supports lead-free solder, as well.

Applications:

- High-frequency circuits for portable telephones, PA, Bluetooth modules, etc.

Specifications:

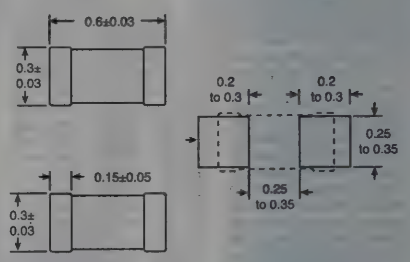
- Operating Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +125°C (unit of product)

For quantities of 1000 and up, call for quote.

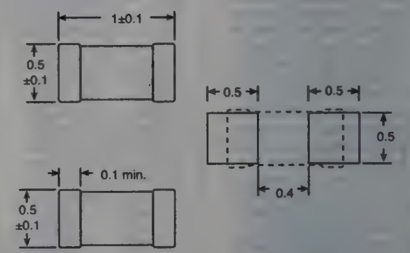
MOUSER STOCK NO.	TDK Part No.	Case Size	Value (nH)	Tol. (±)	SRF (GHz)	DCR (Ω)	Rated Current (mA)	Price Each			
								1	10	100	500
810-MLK0603L1N0S	MLK0603L1N0S	0201	1.0	0.3nH	12	0.20	300	.17	.11	.099	.09
810-MLK0603L1N2S	MLK0603L1N2S	0201	1.2	0.3nH	11	0.25	300	.17	.11	.099	.09
810-MLK0603L1N5S	MLK0603L1N5S	0201	1.5	0.3nH	9.5	0.30	300	.17	.11	.099	.09
810-MLK0603L1N8S	MLK0603L1N8S	0201	1.8	0.3nH	8.5	0.35	300	.17	.11	.099	.09
810-MLK0603L2N2S	MLK0603L2N2S	0201	2.2	0.3nH	8.0	0.40	300	.17	.11	.099	.09
810-MLK0603L2N7S	MLK0603L2N7S	0201	2.7	0.3nH	7.5	0.45	300	.17	.11	.099	.09
810-MLK0603L3N3S	MLK0603L3N3S	0201	3.3	0.3nH	7.0	0.50	200	.17	.11	.099	.09
810-MLK0603L3N9S	MLK0603L3N9S	0201	3.9	0.3nH	6.5	0.55	200	.17	.11	.099	.09
810-MLK0603L4N7S	MLK0603L4N7S	0201	4.7	0.3nH	6.0	0.60	200	.17	.11	.099	.09
810-MLK0603L5N6S	MLK0603L5N6S	0201	5.6	0.3nH	5.7	0.70	200	.17	.11	.099	.09
810-MLK0603L6N8J	MLK0603L6N8J	0201	6.8	5%	5.5	0.80	200	.17	.11	.099	.09
810-MLK0603L8N2J	MLK0603L8N2J	0201	8.2	5%	5.0	0.90	200	.17	.11	.099	.09
810-MLK0603L10NJ	MLK0603L10NJ	0201	10	5%	4.7	1.0	200	.17	.11	.099	.09
810-MLK0603L12NJ	MLK0603L12NJ	0201	12	5%	4.3	1.1	150	.17	.11	.099	.09
810-MLK0603L15NJ	MLK0603L15NJ	0201	15	5%	4.0	1.2	150	.17	.11	.099	.09
810-MLK0603L18NJ	MLK0603L18NJ	0201	18	5%	3.7	1.4	100	.17	.11	.099	.09
810-MLK0603L22NJ	MLK0603L22NJ	0201	22	5%	3.5	1.6	100	.17	.11	.099	.09
810-MLK1005S1N0S	MLK1005S1N0S	0402	1.0	0.3nH	19	0.10	300	.15	.12	.10	.075
810-MLK1005S1N2S	MLK1005S1N2S	0402	1.2	0.3nH	16.2	0.15	300	.15	.12	.10	.075
810-MLK1005S1N5S	MLK1005S1N5S	0402	1.5	0.3nH	13.6	0.16	300	.15	.12	.10	.075
810-MLK1005S1N8S	MLK1005S1N8S	0402	1.8	0.3nH	10.5	0.20	300	.15	.12	.10	.075
810-MLK1005S2N2S	MLK1005S2N2S	0402	2.2	0.3nH	10	0.21	300	.15	.12	.10	.075
810-MLK1005S2N7S	MLK1005S2N7S	0402	2.7	0.3nH	9.2	0.23	300	.15	.12	.10	.075
810-MLK1005S3N3S	MLK1005S3N3S	0402	3.3	0.3nH	8.5	0.25	300	.15	.12	.10	.075
810-MLK1005S3N9S	MLK1005S3N9S	0402	3.9	0.3nH	8.2	0.28	300	.15	.12	.10	.075
810-MLK1005S4N7S	MLK1005S4N7S	0402	4.7	0.3nH	7.3	0.32	300	.15	.12	.10	.075
810-MLK1005S5N6D	MLK1005S5N6D	0402	5.6	0.5nH	7.2	0.35	300	.15	.12	.10	.075
810-MLK1005S6N8D	MLK1005S6N8D	0402	6.8	0.5nH	6.8	0.38	300	.15	.12	.10	.075
810-MLK1005S8N2D	MLK1005S8N2D	0402	8.2	0.5nH	6.5	0.42	300	.15	.12	.10	.075
810-MLK1005S10NJ	MLK1005S10NJ	0402	10	5%	6.3	0.45	200	.15	.12	.10	.075
810-MLK1005S12NJ	MLK1005S12NJ	0402	12	5%	6.2	0.50	200	.15	.12	.10	.075
810-MLK1005S15NJ	MLK1005S15NJ	0402	15	5%	5.6	0.55	200	.15	.12	.10	.075
810-MLK1005S18NJ	MLK1005S18NJ	0402	18	5%	5.3	0.65	200	.15	.12	.10	.075
810-MLK1005S22NJ	MLK1005S22NJ	0402	22	5%	5.1	0.75	200	.15	.12	.10	.075
810-MLK1005S27NJ	MLK1005S27NJ	0402	27	5%	4.7	0.95	200	.15	.12	.10	.075
810-MLK1005S33NJ	MLK1005S33NJ	0402	33	5%	4.2	1.1	200	.15	.12	.10	.075
810-MLK1005S39NJ	MLK1005S39NJ	0402	39	5%	3.4	1.2	100	.15	.12	.10	.075
810-MLK1005S47NJ	MLK1005S47NJ	0402	47	5%	2.9	1.3	100	.15	.12	.10	.075
810-MLK1005S56NJ	MLK1005S56NJ	0402	56	5%	2.8	1.4	100	.15	.12	.10	.075
810-MLK1005S68NJ	MLK1005S68NJ	0402	68	5%	2.7	1.6	100	.15	.12	.10	.075
810-MLK1005S82NJ	MLK1005S82NJ	0402	82	5%	2.1	1.8	50	.15	.12	.10	.075
810-MLK1005SR10J	MLK1005SR10J	0402	100	5%	2.0	2.2	50	.15	.12	.10	.075

DIMENSIONS: mm

0201 Case Size



0402 Case Size



TDK MMZ SERIES CHIP FERRITE BEADS

Features:

- Size standardized for use by automatic assembly equipment. No preferred orientation.
- Either flow or reflow soldering methods can be used due to electroplating of the terminal electrodes.
- High reliability due to an entirely monolithic structure.
- Low DC resistance structure of electrode prevents wasteful electric power consumption.
- The products contain no lead and also support lead-free soldering.

Applications:

- PCs, CRTs, liquid crystal display panels, printers, hard disk drives, game machines, cell phones, etc.

Specifications:

- Operating/Storage Temp. Range: -55°C to +125°C

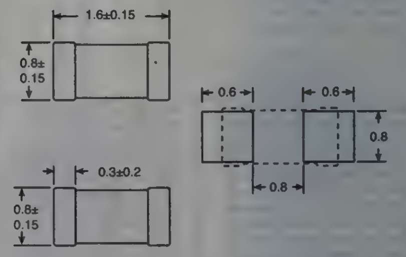
Code	Freq. Range	Applications
A	80-400 MHz	Very high impedance @ 100MHz, based on Y material
D	200-500 MHz	High impedance @ high frequencies
R	10-200 MHz	For digital signal lines req'g good waveform integrity
S	40-300 MHz	Standard type with blocking frequency near 100MHz
Y	80-400 MHz	Usable where signal freq. is far from cut-off frequency

For quantities of 2000 and up, call for quote.

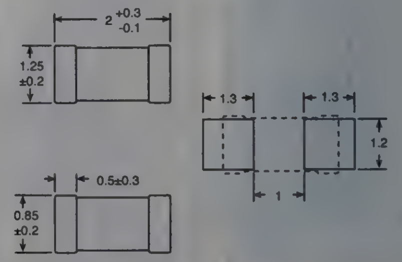
MOUSER STOCK NO.	TDK Part No.	Case Size	Imp. (Ω)	DCR (Ω)	Rated Current (mA)	Material Characteristics	Price Each			
							1	25	100	1000
810-MMZ1608A152E	MMZ1608A152E	0603	1500	1.0	300	A	.10	.05	.04	.035
810-MMZ1608R150A	MMZ1608R150A	0603	15	0.05	1500	R	.10	.05	.04	.035
810-MMZ1608R300A	MMZ1608R300A	0603	30	0.05	1500	R	.10	.05	.04	.035
810-MMZ1608R600A	MMZ1608R600A	0603	60	0.10	800	R	.10	.05	.04	.035
810-MMZ1608R121A	MMZ1608R121A	0603	120	0.18	500	R	.10	.05	.04	.035
810-MMZ1608R301A	MMZ1608R301A	0603	300	0.25	500	R	.10	.05	.04	.035
810-MMZ1608R601A	MMZ1608R601A	0603	600	0.40	500	R	.10	.05	.04	.035
810-MMZ1608R102A	MMZ1608R102A	0603	1000	0.50	400	R	.10	.05	.04	.035
810-MMZ1608S400A	MMZ1608S400A	0603	40	0.10	600	S	.10	.05	.04	.035
810-MMZ1608S800A	MMZ1608S800A	0603	80	0.15	500	S	.10	.05	.04	.035
810-MMZ1608S121A	MMZ1608S121A	0603	120	0.20	500	S	.10	.05	.04	.035
810-MMZ1608S181A	MMZ1608S181A	0603	180	0.20	500	S	.10	.05	.04	.035
810-MMZ1608S301A	MMZ1608S301A	0603	300	0.30	500	S	.10	.05	.04	.035
810-MMZ1608S601A	MMZ1608S601A	0603	600	0.40	500	S	.10	.05	.04	.035
810-MMZ1608S102A	MMZ1608S102A	0603	1000	0.50	400	S	.10	.05	.04	.035
810-MMZ1608Y121B	MMZ1608Y121B	0603	120	0.20	500	Y	.10	.05	.04	.035
810-MMZ1608Y301B	MMZ1608Y301B	0603	300	0.30	500	Y	.10	.05	.04	.035
810-MMZ1608Y601B	MMZ1608Y601B	0603	600	0.40	500	Y	.10	.05	.04	.035
810-MMZ1608Y102B	MMZ1608Y102B	0603	1000	0.50	400	Y	.10	.05	.04	.035
810-MMZ1608Y152B	MMZ1608Y152B	0603	1500	0.60	300	Y	.10	.05	.04	.035
810-MMZ2012D121B	MMZ2012D121B	0805	120	0.30	500	D	.13	.08	.07	.06
810-MMZ2012D301B	MMZ2012D301B	0805	300	0.50	400	D	.13	.08	.07	.06
810-MMZ2012R150A	MMZ2012R150A	0805	15	0.05	1500	R	.13	.08	.07	.06
810-MMZ2012R300A	MMZ2012R300A	0805	30	0.05	1500	R	.13	.08	.07	.06
810-MMZ2012R600A	MMZ2012R600A	0805	60	0.10	1000	R	.13	.08	.07	.06
810-MMZ2012R121A	MMZ2012R121A	0805	120	0.12	800	R	.13	.08	.07	.06
810-MMZ2012R301A	MMZ2012R301A	0805	300	0.15	600	R	.13	.08	.07	.06
810-MMZ2012R601A	MMZ2012R601A	0805	600	0.20	500	R	.13	.08	.07	.06
810-MMZ2012R102A	MMZ2012R102A	0805	1000	0.30	500	R	.13	.08	.07	.06
810-MMZ2012S400A	MMZ2012S400A	0805	40	0.10	1000	S	.13	.08	.07	.06
810-MMZ2012S800A	MMZ2012S800A	0805	80	0.10	800	S	.13	.08	.07	.06
810-MMZ2012S121A	MMZ2012S121A	0805	120	0.15	800	S	.13	.08	.07	.06
810-MMZ2012S301A	MMZ2012S301A	0805	300	0.20	600	S	.13	.08	.07	.06
810-MMZ2012S601A	MMZ2012S601A	0805	600	0.30	500	S	.13	.08	.07	.06
810-MMZ2012S102A	MMZ2012S102A	0805	1000	0.35	500	S	.13	.08	.07	.06
810-MMZ2012Y150B	MMZ2012Y150B	0805	15	0.05	1500	Y	.13	.08	.07	.06
810-MMZ2012Y300B	MMZ2012Y300B	0805	30	0.05	1500	Y	.13	.08	.07	.06
810-MMZ2012Y600B	MMZ2012Y600B	0805	60	0.10	1000	Y	.13	.08	.07	.06
810-MMZ2012Y121B	MMZ2012Y121B	0805	120	0.12	800	Y	.13	.08	.07	.06
810-MMZ2012Y301B	MMZ2012Y301B	0805	300	0.15	600	Y	.13	.08	.07	.06
810-MMZ2012Y601B	MMZ2012Y601B	0805	600	0.20	500	Y	.13	.08	.07	.06
810-MMZ2012Y102B	MMZ2012Y102B	0805	1000	0.30	500	Y	.13	.08	.07	.06
810-MMZ2012Y152B	MMZ2012Y152B	0805	1500	0.40	500	Y	.13	.08	.07	.06
810-MMZ2012Y202B	MMZ2012Y202B	0805	2000	0.50	400	Y	.13	.08	.07	.06

DIMENSIONS: mm

0603 Case Size



0805 Case Size



TDK SMD Ferrite Core, Magnetic Shielded Chip Inductors

MLF SERIES MLF2012 TYPE

Features:

- High-reliability monolithic structure.
- Ferrite core and magnetic shielding enables the design of compact circuits with high packing density.
- Excellent solderability and hig heat resistance permits either flow or reflow soldering.
- The products contain no lead and aslo support lead-free soldering.

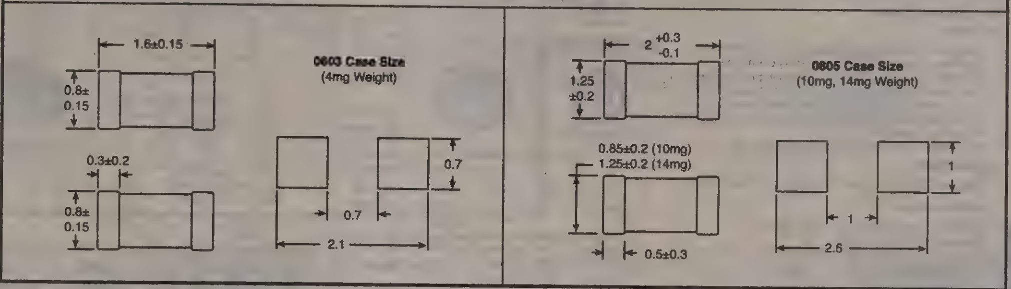
Applications:

- Digital cellular phone, car audio, TV, personal computers, or various electronic appliances

Specifications:

- Operating Temperature Range: -25°C to +85°C
- Storage Temperature Range: -40°C to +85°C (unit of products)

DIMENSIONS: mm



For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Case Size	Value (μH)	Tolerance (±)	SRF (MHz)	DCR (Ω)	Rated Current	Price Each			
								1	10	100	2000
810-MLF1608D47NM	MLF1608D47NM	0603	0.047	20%	350	0.3	50	.41	.34	.27	.20
810-MLF1608D68NM	MLF1608D68NM	0603	0.068	20%	325	0.3	50	.41	.34	.27	.20
810-MLF1608D82NM	MLF1608D82NM	0603	0.082	20%	310	0.3	50	.41	.34	.27	.20
810-MLF1608DR10K	MLF1608DR10K	0603	0.1	10%	295	0.5	50	.41	.34	.27	.20
810-MLF1608DR12K	MLF1608DR12K	0603	0.12	10%	280	0.5	50	.41	.34	.27	.20
810-MLF1608DR15K	MLF1608DR15K	0603	0.15	10%	260	0.6	50	.41	.34	.27	.20
810-MLF1608DR18K	MLF1608DR18K	0603	0.18	10%	245	0.6	50	.41	.34	.27	.20
810-MLF1608DR22K	MLF1608DR22K	0603	0.22	10%	230	0.8	50	.41	.34	.27	.20
810-MLF1608DR27K	MLF1608DR27K	0603	0.27	10%	210	0.8	50	.41	.34	.27	.20
810-MLF1608DR33K	MLF1608DR33K	0603	0.33	10%	200	0.85	35	.41	.34	.27	.20
810-MLF1608DR39K	MLF1608DR39K	0603	0.39	10%	185	1	35	.41	.34	.27	.20
810-MLF1608DR47K	MLF1608DR47K	0603	0.47	10%	170	1.35	35	.41	.34	.27	.20
810-MLF1608DR56K	MLF1608DR56K	0603	0.56	10%	155	1.55	35	.41	.34	.27	.20
810-MLF1608DR68K	MLF1608DR68K	0603	0.68	10%	140	1.7	35	.41	.34	.27	.20
810-MLF1608A1R0K	MLF1608A1R0K	0603	1	10%	105	0.6	25	.41	.34	.27	.20
810-MLF1608A1R2K	MLF1608A1R2K	0603	1.2	10%	100	0.8	25	.41	.34	.27	.20
810-MLF1608A1R5K	MLF1608A1R5K	0603	1.5	10%	90	0.8	25	.41	.34	.27	.20
810-MLF1608A1R8K	MLF1608A1R8K	0603	1.8	10%	80	0.95	25	.41	.34	.27	.20
810-MLF1608A2R2K	MLF1608A2R2K	0603	2.2	10%	75	1.15	15	.41	.34	.27	.20
810-MLF1608A2R7K	MLF1608A2R7K	0603	2.7	10%	65	1.35	15	.41	.34	.27	.20
810-MLF1608A3R3K	MLF1608A3R3K	0603	3.3	10%	60	1.55	15	.41	.34	.27	.20
810-MLF1608A3R9K	MLF1608A3R9K	0603	3.9	10%	50	1.7	15	.41	.34	.27	.20
810-MLF1608A4R7K	MLF1608A4R7K	0603	4.7	10%	47	2.1	15	.41	.34	.27	.20
810-MLF1608E5R6K	MLF1608E5R6K	0603	5.6	10%	45	1.55	5	.41	.34	.27	.20
810-MLF1608E6R8K	MLF1608E6R8K	0603	6.8	10%	40	1.7	5	.41	.34	.27	.20
810-MLF1608E8R2K	MLF1608E8R2K	0603	8.2	10%	38	2.1	5	.41	.34	.27	.20
810-MLF1608E100K	MLF1608E100K	0603	10	10%	37	1.85	3	.41	.34	.27	.20
810-MLF1608E120K	MLF1608E120K	0603	12	10%	35	2.1	3	.41	.34	.27	.20
810-MLF1608C150K	MLF1608C150K	0603	15	10%	30	1.7	1	.41	.34	.27	.20
810-MLF1608C180K	MLF1608C180K	0603	18	10%	28	1.85	1	.41	.34	.27	.20
810-MLF1608C220K	MLF1608C220K	0603	22	10%	25	2.1	1	.41	.34	.27	.20
810-MLF1608C330K	MLF1608C330K	0603	33	10%	21	2.95	1	.41	.34	.27	.20
810-MLF2012D47NM	MLF2012D47NM	0805	0.047	20%	400	0.2	300	.41	.34	.27	.20
810-MLF2012D68NM	MLF2012D68NM	0805	0.068	20%	350	0.2	300	.41	.34	.27	.20
810-MLF2012D82NM	MLF2012D82NM	0805	0.082	20%	320	0.2	300	.41	.34	.27	.20
810-MLF2012DR10K	MLF2012DR10K	0805	0.1	10%	300	0.3	250	.41	.34	.27	.20
810-MLF2012DR12K	MLF2012DR12K	0805	0.12	10%	280	0.3	250	.41	.34	.27	.20
810-MLF2012DR15K	MLF2012DR15K	0805	0.15	10%	250	0.4	250	.41	.34	.27	.20
810-MLF2012DR18K	MLF2012DR18K	0805	0.18	10%	230	0.4	250	.41	.34	.27	.20
810-MLF2012DR22K	MLF2012DR22K	0805	0.22	10%	220	0.5	250	.41	.34	.27	.20
810-MLF2012DR27K	MLF2012DR27K	0805	0.27	10%	200	0.5	250	.41	.34	.27	.20
810-MLF2012DR33K	MLF2012DR33K	0805	0.33	10%	180	0.55	250	.41	.34	.27	.20
810-MLF2012DR39K	MLF2012DR39K	0805	0.39	10%	170	0.65	200	.41	.34	.27	.20
810-MLF2012DR47K	MLF2012DR47K	0805	0.47	10%	160	0.65	200	.41	.34	.27	.20
810-MLF2012DR56K	MLF2012DR56K	0805	0.56	10%	150	0.75	150	.41	.34	.27	.20
810-MLF2012DR68K	MLF2012DR68K	0805	0.68	10%	135	0.8	150	.41	.34	.27	.20
810-MLF2012DR82K	MLF2012DR82K	0805	0.82	10%	125	1	150	.41	.34	.27	.20
810-MLF2012A1R0K	MLF2012A1R0K	0805	1	10%	105	0.4	50	.41	.34	.27	.20
810-MLF2012A1R2K	MLF2012A1R2K	0805	1.2	10%	95	0.5	50	.41	.34	.27	.20
810-MLF2012A1R5K	MLF2012A1R5K	0805	1.5	10%	85	0.5	50	.41	.34	.27	.20
810-MLF2012A1R8K	MLF2012A1R8K	0805	1.8	10%	78	0.6	50	.41	.34	.27	.20
810-MLF2012A2R2K	MLF2012A2R2K	0805	2.2	10%	70	0.65	30	.41	.34	.27	.20
810-MLF2012A2R7K	MLF2012A2R7K	0805	2.7	10%	64	0.75	30	.41	.34	.27	.20
810-MLF2012A3R3K	MLF2012A3R3K	0805	3.3	10%	58	0.8	30	.41	.34	.27	.20
810-MLF2012A3R9K	MLF2012A3R9K	0805	3.9	10%	53	0.9	30	.41	.34	.27	.20
810-MLF2012A4R7K	MLF2012A4R7K	0805	4.7	10%	48	1	30	.41	.34	.27	.20
810-MLF2012E5R6K	MLF2012E5R6K	0805	5.6	10%	44	0.9	15	.41	.34	.27	.20
810-MLF2012E6R8K	MLF2012E6R8K	0805	6.8	10%	40	1	15	.41	.34	.27	.20
810-MLF2012E8R2K	MLF2012E8R2K	0805	8.2	10%	36	1.1	15	.41	.34	.27	.20
810-MLF2012E100K	MLF2012E100K	0805	10	10%	33	1.15	15	.41	.34	.27	.20
810-MLF2012E120K	MLF2012E120K	0805	12	10%	30	1.25	15	.41	.34	.27	.20
810-MLF2012C150K	MLF2012C150K	0805	15	10%	27	0.8	5	.41	.34	.27	.20
810-MLF2012C180K	MLF2012C180K	0805	18	10%	25	0.9	5	.41	.34	.27	.20
810-MLF2012C220K	MLF2012C220K	0805	22	10%	22	1.1	5	.41	.34	.27	.20
810-MLF2012C270K	MLF2012C270K	0805	27	10%	20	1.15	5	.41	.34	.27	.20
810-MLF2012C330K	MLF2012C330K	0805	33	10%	18	1.25	5	.41	.34	.27	.20
810-MLF2012K390K	MLF2012K390K	0805	39	10%	15	2.9	4	.41	.34	.27	.20
810-MLF2012K470K	MLF2012K470K	0805	47	10%	14	3	4	.41	.34	.27	.20
810-MLF2012K560K	MLF2012K560K	0805	56	10%	13	3.1	4	.41	.34	.27	.20
810-MLF2012C680K	MLF2012C680K	0805	68	10%	12	2.9	2	.41	.34	.27	.20
810-MLF2012C820K	MLF2012C820K	0805	82	10%	11	3	2	.41	.34	.27	.20
810-MLF2012C101K	MLF2012C101K	0805	100	10%	10	3.1	2	.41	.34	.27	.20

NLV SERIES NLV25/32 TYPE

For Signal Line

Features:

- The product has good heat durability that withstands lead-free compatible reflow soldering conditions
- Lead-free material is used for the plating on the terminal
- The electrical characteristics, reliability, shape and pad shape are the same as the previous NL series
- Highly heat resistant thermoplastic resin is used to form the exterior package
- This product conforms to the RoHS standard

RoHS Compliant

LEAD-FREE

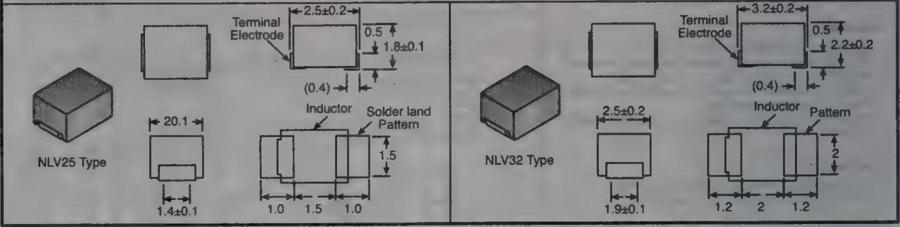
Applications:

- PCs, hard disk drives, and other types of electronics

Specifications:

- Operating Temperature: -20°C to +85°C
- Inductance Tolerance: ±5%

DIMENSIONS: mm



For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
NLV25 Type									
810-NLV25T-010J	NLV25T-010J-PF	0.01	15	100	.26	530	.29	.22	.08
810-NLV25T-012J	NLV25T-012J-PF	0.012	15	100	.27	500	.29	.22	.08
810-NLV25T-015J	NLV25T-015J-PF	0.015	15	100	.29	480	.29	.22	.08
810-NLV25T-018J	NLV25T-018J-PF	0.018	15	100	.31	450	.29	.22	.08
810-NLV25T-022J	NLV25T-022J-PF	0.022	15	100	.37	420	.29	.22	.08
810-NLV25T-027J	NLV25T-027J-PF	0.027	15	100	.40	410	.29	.22	.08
810-NLV25T-033J	NLV25T-033J-PF	0.033	20	100	.42	400	.29	.22	.08
810-NLV25T-039J	NLV25T-039J-PF	0.039	20	100	.45	380	.29	.22	.08
810-NLV25T-047J	NLV25T-047J-PF	0.047	20	100	.50	360	.29	.22	.08
810-NLV25T-056J	NLV25T-056J-PF	0.056	20	100	.60	340	.29	.22	.08
810-NLV25T-068J	NLV25T-068J-PF	0.068	20	100	.65	320	.29	.22	.08
810-NLV25T-082J	NLV25T-082J-PF	0.082	20	100	.75	300	.29	.22	.08
810-NLV25T-R10J	NLV25T-R10J-PF	0.1	20	100	.80	280	.29	.22	.08
810-NLV25T-R12J	NLV25T-R12J-PF	0.12	30	25.2	.30	550	.29	.22	.08
810-NLV25T-R15J	NLV25T-R15J-PF	0.15	30	25.2	.35	500	.29	.22	.08
810-NLV25T-R18J	NLV25T-R18J-PF	0.18	30	25.2	.40	460	.29	.22	.08
810-NLV25T-R22J	NLV25T-R22J-PF	0.22	30	25.2	.50	430	.29	.22	.08
810-NLV25T-R27J	NLV25T-R27J-PF	0.27	30	25.2	.55	420	.29	.22	.08
810-NLV25T-R33J	NLV25T-R33J-PF	0.33	30	25.2	.60	400	.29	.22	.08
810-NLV25T-R39J	NLV25T-R39J-PF	0.39	30	25.2	.65	375	.29	.22	.08
810-NLV25T-R47J	NLV25T-R47J-PF	0.47	30	25.2	.68	350	.29	.22	.08
810-NLV25T-R56J	NLV25T-R56J-PF	0.56	30	25.2	.75	325	.29	.22	.08
810-NLV25T-R68J	NLV25T-R68J-PF	0.68	30	25.2	.85	300	.29	.22	.08
810-NLV25T-R82J	NLV25T-R82J-PF	0.82	30	25.2	1.00	260	.29	.22	.08
810-NLV25T-1R0J	NLV25T-1R0J-PF	1.0	30	7.96	1.10	245	.29	.22	.08
810-NLV25T-1R2J	NLV25T-1R2J-PF	1.2	30	7.96	1.20	230	.29	.22	.08
810-NLV25T-1R5J	NLV25T-1R5J-PF	1.5	30	7.96	1.30	220	.29	.22	.08
810-NLV25T-1R8J	NLV25T-1R8J-PF	1.8	30	7.96	1.45	210	.29	.22	.08
810-NLV25T-2R2J	NLV25T-2R2J-PF	2.2	30	7.96	1.55	200	.29	.22	.08
810-NLV25T-2R7J	NLV25T-2R7J-PF	2.7	30	7.96	1.70	195	.29	.22	.08
810-NLV25T-3R3J	NLV25T-3R3J-PF	3.3	30	7.96	1.90	185	.29	.22	.08
810-NLV25T-3R9J	NLV25T-3R9J-PF	3.9	30	7.96	2.10	180	.29	.22	.08
810-NLV25T-4R7J	NLV25T-4R7J-PF	4.7	30	7.96	2.30	175	.29	.22	.08
810-NLV25T-5R6J	NLV25T-5R6J-PF	5.6	25	7.96	2.50	170	.29	.22	.08
810-NLV25T-6R8J	NLV25T-6R8J-PF	6.8	25	7.96	2.70	165	.29	.22	.08
810-NLV25T-8R2J	NLV25T-8R2J-PF	8.2	25	7.96	3.05	160	.29	.22	.08
810-NLV25T-100J	NLV25T-100J-PF	10	25	2.52	3.50	155	.29	.22	.08
810-NLV25T-120J	NLV25T-120J-PF	12	25	2.52	3.80	150	.29	.22	.08
810-NLV25T-150J	NLV25T-150J-PF	15	25	2.52	4.40	140	.29	.22	.08
810-NLV25T-180J	NLV25T-180J-PF	18	25	2.52	4.80	130	.29	.22	.08

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
NLV25 Type (cont.)									
810-NLV25T-220J	NLV25T-220J-PF	22	25	2.52	5.50	125	.29	.22	.08
810-NLV25T-270J	NLV25T-270J-PF	27	25	2.52	6.30	115	.29	.22	.08
810-NLV25T-330J	NLV25T-330J-PF	33	25	2.52	7.10	110	.29	.22	.08
810-NLV25T-390J	NLV25T-390J-PF	39	20	2.52	9.50	90	.29	.22	.08
810-NLV25T-470J	NLV25T-470J-PF	47	20	2.52	11.10	80	.29	.22	.08
810-NLV25T-560J	NLV25T-560J-PF	56	20	2.52	12.10	75	.29	.22	.08
810-NLV25T-680J	NLV25T-680J-PF	68	20	2.52	16.60	70	.29	.22	.08
810-NLV25T-820J	NLV25T-820J-PF	82	20	2.52	19.00	66	.29	.22	.08
810-NLV25T-101J	NLV25T-101J-PF	100	15	0.796	21.00	60	.29	.22	.08
NLV32 Type									
810-NLV32T-010J	NLV32T-010J-PF	0.01	15	100	.13	450	.31	.24	.09
810-NLV32T-015J	NLV32T-015J-PF	0.015	19	100	.16	450	.31	.24	.09
810-NLV32T-022J	NLV32T-022J-PF	0.022	23	100	.20	450	.31	.24	.09
810-NLV32T-033J	NLV32T-033J-PF	0.033	25	100	.24	450	.31	.24	.09
810-NLV32T-047J	NLV32T-047J-PF	0.047	26	100	.30	450	.31	.24	.09
810-NLV32T-068J	NLV32T-068J-PF	0.068	27	100	.36	450	.31	.24	.09
810-NLV32T-R10J	NLV32T-R10J-PF	0.1	28	100	.44	450	.31	.24	.09
810-NLV32T-R15J	NLV32T-R15J-PF	0.15	30	25.2	.25	450	.31	.24	.09
810-NLV32T-R22J	NLV32T-R22J-PF	0.22	30	25.2	.32	450	.31	.24	.09
810-NLV32T-R33J	NLV32T-R33J-PF	0.33	30	25.2	.40	450	.31	.24	.09
810-NLV32T-R47J	NLV32T-R47J-PF	0.47	30	25.2	.50	450	.31	.24	.09
810-NLV32T-R68J	NLV32T-R68J-PF	0.68	30	25.2	.60	450	.31	.24	.09
810-NLV32T-1R0J	NLV32T-1R0J-PF	1	30	7.96	0.7	400	.31	.24	.09
810-NLV32T-1R5J	NLV32T-1R5J-PF	1.5	30	7.96	0.85	370	.31	.24	.09
810-NLV32T-2R2J	NLV32T-2R2J-PF	2.2	30	7.96	1	320	.31	.24	.09
810-NLV32T-3R3J	NLV32T-3R3J-PF	3.3	30	7.96	1.2	260	.31	.24	.09
810-NLV32T-4R7J	NLV32T-4R7J-PF	4.7	30	7.96	1.5	220	.31	.24	.09
810-NLV32T-6R8J	NLV32T-6R8J-PF	6.8	30	7.96	1.8	180	.31	.24	.09
810-NLV32T-100J	NLV32T-100J-PF	10	30	2.52	2.1	150	.31	.24	.09
810-NLV32T-150J	NLV32T-150J-PF	15	30	2.52	2.8	130	.31	.24	.09
810-NLV32T-220J	NLV32T-220J-PF	22	30	2.52	3.7	110	.31	.24	.09
810-NLV32T-330J	NLV32T-330J-PF	33	30	2.52	5.6	70	.31	.24	.09
810-NLV32T-470J	NLV32T-470J-PF	47	30	2.52	7	60	.31	.24	.09
810-NLV32T-680J	NLV32T-680J-PF	68	30	2.52	9	50	.31	.24	.09
810-NLV32T-101J	NLV32T-101J-PF	100	20	0.796	10	40	.31	.24	.09
810-NLV32T-151J	NLV32T-151J-PF	150	20	0.796	15	65	.31	.24	.09
810-NLV32T-221J	NLV32T-221J-PF	220	30	2.52	21	50	.31	.24	.09
810-NLV32T-331J	NLV32T-331J-PF	330	20	0.796	34	40	.31	.24	.09
810-NLV32T-471J	NLV32T-471J-PF	470	20	0.796	40	25	.31	.24	.09

NLCV SERIES NLCV25/32 TYPE

For Power Line

Features:

- The product has good heat durability that withstands lead-free compatible reflow soldering conditions
- Lead-free material is used for the plating on the terminal
- The electrical characteristics, reliability, shape and pad shape are the same as the previous NL series
- Highly heat resistant thermoplastic resin is used to form the exterior package
- This product conforms to the RoHS standard

Applications:

- PCs, hard disk drives, and other types of electronics

Specifications:

- Operating Temperature: -20°C to +85°C
- Inductance Tolerance: ±5%

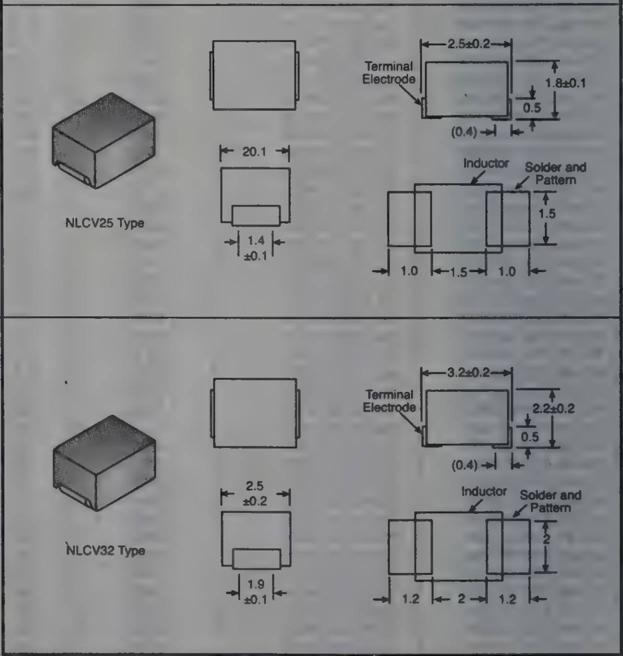
RoHS Compliant

LEAD-FREE

For quantities of 4000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	L (μH)	Q Min.	Test Freq. (MHz)	Rdc (Ω) max.	Idc (mA) max.	Price Each		
							1	100	2000
NLCV25 Type									
810-NLCV25T-1R0M	NLCV25T-1R0M-PF	1	20	7.96	0.34	475	.29	.22	.08
810-NLCV25T-1R5M	NLCV25T-1R5M-PF	1.5	20	7.96	0.42	435	.29	.22	.08
810-NLCV25T-2R2M	NLCV25T-2R2M-PF	2.2	20	7.96	0.5	390	.29	.22	.08
810-NLCV25T-3R3M	NLCV25T-3R3M-PF	3.3	20	7.96	0.65	340	.29	.22	.08
810-NLCV25T-4R7M	NLCV25T-4R7M-PF	4.7	20	7.96	0.8	285	.29	.22	.16
810-NLCV25T-6R8M	NLCV25T-6R8M-PF	6.8	20	7.96	1	275	.29	.22	.08
810-NLCV25T-100K	NLCV25T-100K-PF	10	30	2.52	1.69	210	.29	.22	.08
810-NLCV25T-150K	NLCV25T-150K-PF	15	30	2.52	2.2	175	.29	.22	.08
810-NLCV25T-220K	NLCV25T-220K-PF	22	30	2.52	2.8	160	.29	.22	.08
810-NLCV25T-330K	NLCV25T-330K-PF	33	30	2.52	4.2	120	.29	.22	.08
NLCV32 Type									
810-NLCV32T-1R0M	NLCV32T-1R0M-PF	1	10	7.96	0.08	850	.31	.24	.09
810-NLCV32T-1R5M	NLCV32T-1R5M-PF	1.5	10	7.96	0.11	700	.31	.24	.09
810-NLCV32T-2R2M	NLCV32T-2R2M-PF	2.2	10	7.96	0.13	600	.31	.24	.09
810-NLCV32T-3R3M	NLCV32T-3R3M-PF	3.3	10	7.96	0.16	500	.31	.24	.09
810-NLCV32T-100K	NLCV32T-100K-PF	10	15	2.52	0.36	300	.31	.24	.09
810-NLCV32T-150K	NLCV32T-150K-PF	15	15	2.52	0.56	250	.31	.24	.09
810-NLCV32T-220K	NLCV32T-220K-PF	22	15	2.52	0.77	210	.31	.24	.09
810-NLCV32T-330K	NLCV32T-330K-PF	33	15	2.52	1.1	170	.31	.24	.09
810-NLCV32T-470K	NLCV32T-470K-PF	47	15	2.52	1.64	150	.31	.24	.09
810-NLCV32T-101K	NLCV32T-101K-PF	100	15	0.796	3.7	100	.31	.24	.09
810-NLCV32T-151K	NLCV32T-151K-PF	150	20	0.796	6.1	85	.31	.24	.09
810-NLCV32T-221K	NLCV32T-221K-PF	220	20	0.796	8.4	70	.31	.24	.09
810-NLCV32T-331K	NLCV32T-331K-PF	330	20	0.796	12.3	60	.31	.24	.09

DIMENSIONS: mm



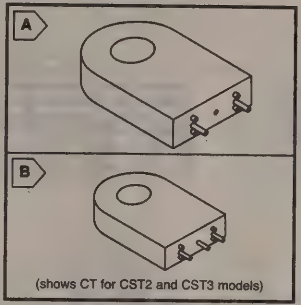
TRIAD CURRENT SENSE TRANSFORMERS

Designed for switching power supply applications. Triad current sense transformers are used to detect the current passing through a conductor. These transformers are very reliable and operate effectively over the frequency range of 20 kHz-200 kHz for the CST2 and CST3 models. The CST1 models have a frequency range of 50-60 Hz. They are constructed of UL rated 130°C materials. The CST2 and the CST3 are available with a center tap option, T-suffix.

Features for CST2 & CST3:

- Derate ET product by 32% for 50 kHz, 52% for 100 Hz and 50% for unidirectional operation
- Rated primary current renders approximately 40°C temperature rise
- CST206 models have maximum recommended terminating resistance of 1 ohm per turn

RoHS Compliant



(shows CT for CST2 and CST3 models)

CST2 & CST3 Series

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Pri. Amps RMS	Turns	Min. Inductance	Max. DCR (Ω)	ET VμSec Ref. 20 kHz	Price Each	
Mfr.	Mfr. Part No.							1	10
553—	CST206-1A	A	110.0	100	14.0 mH	.58	2000	6.11	5.20
553—	CST206-1T	A	110.0	100 CT	14.0 mH	.58	2000	6.67	5.67
553—	CST206-3A	A	70.0	300	130.0 mH	12.40	6000	6.11	5.20
553—	CST306-1A	B	35.0	50	3.5 mH	.34	500	4.11	3.50
553—	CST306-1T	B	35.0	50 CT	3.5 mH	.58	500	4.67	3.97
553—	CST306-2A	B	25.0	100	14.0 mH	1.55	1000	4.11	3.50
553—	CST306-2T	B	25.0	100 CT	14.0 mH	1.55	1000	4.67	3.97
553—	CST306-3A	B	25.0	200	55.0 mH	3.75	2000	4.11	3.50
553—	CST306-3T	B	25.0	200 CT	55.0 mH	3.75	2000	4.67	3.97

CST-10 Series

For quantities of 25 and up, call for quote. RoHS Compliant

MOUSER STOCK NO.		Fig.	Primary Amps	Turn Ratio	Terminating Resistor		Nominal DCR (Ω)	Price Each	
Mfr.	Mfr. Part No.				Ohms	Watt		1	10
553—	CST-1005	B	5	1000:1	100	0.0025	40	6.11	5.50
553—	CST-1010	B	10	1000:1	100	0.0100	40	6.11	5.50
553—	CST-1015	B	15	1000:1	100	0.0230	40	6.11	5.50
553—	CST-1020	B	20	1000:1	100	0.0400	40	6.11	5.50
553—	CST-1025	B	25	1000:1	100	0.0630	46	6.88	6.20
553—	CST-1030	B	30	1000:1	100	0.0900	46	6.88	6.20

Engineering Development Kit

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Contains one of each of the components below	Price Each	
Mfr.	Mfr. Part No.		1	10
553—	CST206K	CST206-1A, CST206-1T, CST206-2A, CST206-2T, CST206-3A, CST206-3T	33.33	28.35
553—	CST306K	CST306-1A, CST306-1T, CST306-2A, CST306-3T, CST306-3A, CST306-3T	22.22	18.90

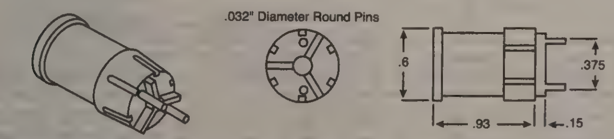
TRIAD ROD CORE INDUCTORS

Triad rod core inductors provide cost effective energy storage. By conditioning the output signal, the inductor smoothes out the current waveform to provide a more stable current. These low cost inductors are designed to be compatible with automated P.C.B. installation.

Features:

- Rated current 10 amps per pin maximum
- Rated current renders @ 40°C temp. rise

DIMENSIONS: In.



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		10% Inductance	DC Current (A)	± 15% DC Resistance	Price Each	
Mfr.	Mfr. Part No.				1	10
553—	RC-1	5.6 mH	.250	6.100 Ω	2.71	2.31
553—	RC-3	2.5 mH	.400	2.450 Ω	2.71	2.31
553—	RC-5	915.0 μH	.625	1.000 Ω	2.71	2.31
553—	RC-7	450.0 μH	1.000	.420 Ω	2.71	2.31
553—	RC-8	250.0 μH	1.250	.210 Ω	2.71	2.31
553—	RC-9	200.0 μH	1.600	.180 Ω	2.71	2.31
553—	RC-10	100.0 μH	2.000	.098 Ω	2.71	2.31
553—	RC-11	75.0 μH	2.500	.070 Ω	2.71	2.31

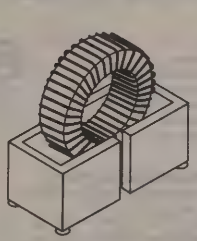
Engineering Development Kit

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Contains one of each of the components below	Price Each	
Mfr.	Mfr. Part No.		1	10
553—	RCK	RC-1, RC-2, RC-3, RC-4, RC-5, RC-6, RC-7, RC-8, RC-9, RC-10, RC-11	27.78	23.63

TRIAD TOROIDAL FILTER INDUCTORS

Triad toroidal inductors are specifically designed to minimize transients. These devices store energy, and therefore, condition the output signal by leveling out the current waveform providing a more stable current supply.



Features:

- Nominal inductance values are typically 10% higher than minimal rating
- Biased inductance measure at rated DC amps
- Operation at rated current yields @ 40°C rise over 20°C ambient

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Min. Inductance (μH)		Rated DC Amps	Max. DCR (Ω)	Price Each	
Mfr.	Mfr. Part No.	No Bias	At Bias			1	10
553—	FIT44-1	18.85	12.72	2.8	44.8	1.96	1.66
553—	FIT44-3	12.30	7.75	4.0	23.4	1.96	1.66
553—	FIT44-4	8.06	5.22	4.8	15.9	1.96	1.65
553—	FIT50-2	35.48	23.77	3.4	57.8	2.31	1.96
553—	FIT68-1	89.50	57.99	2.8	108.0	2.80	2.38
553—	FIT68-3	54.81	33.05	4.0	59.9	2.80	2.38
553—	FIT68-4	43.30	26.63	4.8	42.4	2.80	2.38
553—	FIT68-6	24.31	13.56	6.8	20.2	2.80	2.38
553—	FIT80-1	128.00	74.04	4.0	95.2	3.47	2.95
553—	FIT80-6	38.07	18.11	9.7	17.0	3.47	2.95

Engineering Development Kit

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Contains one of each of the components below	Price Each	
Mfr.	Mfr. Part No.		1	10
553—	FITK	FIT44-1, -2, -3, -4 FIT50-1, -2, -3, -4, -5, -6, -7 FIT68-1, -2, -3, -4, -5, -6, -7 FIT80-1, -2, -3, -4, -5, -6 FIT106-1, -2, -3, -4, -5, -6	83.33	70.88

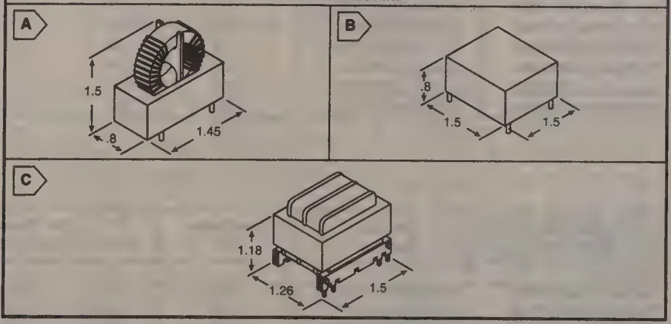
TRIAD COMMON MODE INDUCTORS

Highly dependable Triad common mode EMI suppression inductors are used in various types of power supplies to eliminate noise common to all lines. These units also provide effective differential mode filtering. Meeting VDE, IEC, UL, and CSA requirements, they minimize AC line transmitted interference often created by high frequency switching power supplies

Features:

- Hi-Pot tested at 2500 VRMS
- Current rating for approximately 40°C temperature rise
- DC resistance at 20°C ± 10%
- Inductances are minimum measured at 10 Gauss

DIMENSIONS: In.



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Min. Inductance	Amps RMS	Max. DCR (Ω)	Min. Leakage	Price Each	
Mfr.	Mfr. Part No.						1	10
553—	CMT908-V1	A	2.0 mH	7.50	.020	25.0 μH	4.78	4.06
553—	CMT908-V2	A	4.0 mH	5.20	.040	45.0 μH	4.78	4.06
553—	CMT908-V3	A	8.0 mH	3.20	.120	90.0 μH	4.78	4.06
553—	CMT908-V4	A	16.0 mH	2.60	.160	180.0 μH	4.78	4.06
553—	CMT908-H2	B	4.0 mH	5.20	.040	45.0 μH	4.78	4.06
553—	CMT908-H4	B	16.0 mH	2.60	.160	180.0 μH	4.78	4.06
553—	CME375-2	C	6.9 mH	4.40	.077	70.0 μH	6.78	5.76

Engineering Development Kit

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Contains one of each of the components below	Price Each	
Mfr.	Mfr. Part No.		1	10
553—	CMT908K	CMT908-V1, -V2, -V3, -V4 CMT908-H1, -H2, -H3, -H4	33.33	28.35
553—	CME375K	CME375-1, -2, -3, -4, -5, -6, -7, -8, -9	55.56	47.27

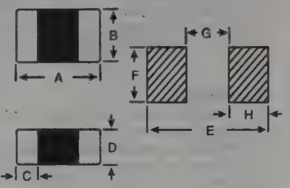
VISHAY / DALE 0603, 0805, 1206 - Monolithic Chip Inductors

ILSB SERIES - SHIELDED INDUCTORS

Features:
- High reliability.
- Magnetically self shielded.
- Nickel barrier plating virtually eliminates silver migration
- Tolerance: ±10%
- Surface mountable

LEAD-FREE

RoHS Compliant



Size	Qty/Reel	Dimensions: mm							
		A	B	C	D	E	F	G	H
0603	4000	1.6 ± 0.15	0.8 ± 0.15	0.3 ± 0.15	0.8 ± 0.2	2.7	0.9	.64	1.0
0805	4000	2.0 ± 0.2	1.25 ± 0.2	0.5 ± 0.3	N/A	3.0	1.3	1.0	1.0
1206	3000	3.2 ± 0.2	1.6 ± 0.2	0.5 ± 0.3	1.1 ± 0.3	4.7	1.8	2.2	1.2

Environmental Specifications:
- Operating temperature: -55°C to +125°C.
- Thermal shock: -40°C to +85°C.
- Load Life: 85°C for 1000 hours full rated current.
- Humidity: 90% RH at 40°C

For quantities of 36000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (μH)	Q (Min)	Test Frequency L&G (MHz)	Max. DCR (Ω)	Rated DC Current (mA)	Price Each						
							1	50	100	1000	4000	8000	16000
0603 Size													
70-ILSB0603ERR10K	ILSB0603ERR10K	.10	15	25	0.50	50	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ERR22K	ILSB0603ERR22K	.22	15	25	0.80	50	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ERR33K	ILSB0603ERR33K	.33	15	25	0.85	35	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ERR39K	ILSB0603ERR39K	.39	15	25	1.00	35	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ERR47K	ILSB0603ERR47K	.47	15	25	1.35	35	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ER1R0K	ILSB0603ER1R0K	1.0	35	10	0.60	25	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ER1R2K	ILSB0603ER1R2K	1.2	35	10	0.80	25	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ER2R2K	ILSB0603ER2R2K	2.2	35	10	1.15	15	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ER3R3K	ILSB0603ER3R3K	3.3	35	10	1.55	15	.11	.10	.09	.08	.07	.06	.056
70-ILSB0603ER4R7K	ILSB0603ER4R7K	4.7	35	10	2.10	15	.11	.10	.09	.08	.07	.06	.056
0805 Size													
70-ILSB0805ER68NM	ILSB0805ER68NM	.068	15	50	0.20	300	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ERR10K	ILSB0805ERR10K	0.10	20	25	0.30	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ERR12K	ILSB0805ERR12K	0.12	20	25	0.30	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ERR15K	ILSB0805ERR15K	0.15	20	25	0.40	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ERR22K	ILSB0805ERR22K	0.22	20	25	0.50	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ERR27K	ILSB0805ERR27K	0.27	20	25	0.50	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ERR33K	ILSB0805ERR33K	0.33	20	25	0.55	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ERR39K	ILSB0805ERR39K	0.39	25	25	0.65	200	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ERR47K	ILSB0805ERR47K	0.47	25	25	0.65	200	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER1R0K	ILSB0805ER1R0K	1.0	45	10	0.40	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER1R2K	ILSB0805ER1R2K	1.2	45	10	0.50	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER1R5K	ILSB0805ER1R5K	1.5	45	10	0.50	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER1R8K	ILSB0805ER1R8K	1.8	45	10	0.60	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER2R2K	ILSB0805ER2R2K	2.2	45	10	0.65	30	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER2R7K	ILSB0805ER2R7K	2.7	45	10	0.75	30	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER3R3K	ILSB0805ER3R3K	3.3	45	10	0.80	30	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER3R9K	ILSB0805ER3R9K	3.9	45	10	0.90	30	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER4R7K	ILSB0805ER4R7K	4.7	45	10	1.00	30	.14	.12	.11	.09	.08	.07	.068
70-ILSB0805ER5R6K	ILSB0805ER5R6K	5.6	45	4	0.90	15	.15	.13	.12	.10	.09	.08	.076
70-ILSB0805ER6R8K	ILSB0805ER6R8K	6.8	45	4	1.00	15	.15	.13	.12	.10	.09	.08	.076
70-ILSB0805ER8R2K	ILSB0805ER8R2K	8.2	45	4	1.10	15	.15	.13	.12	.10	.09	.08	.076
70-ILSB0805ER100K	ILSB0805ER100K	10	50	2	1.15	15	.15	.13	.12	.10	.09	.08	.076
70-ILSB0805ER120K	ILSB0805ER120K	12	50	2	1.25	15	.16	.13	.12	.10	.09	.08	.078
70-ILSB0805ER150K	ILSB0805ER150K	15	30	1	0.80	5	.16	.13	.12	.10	.09	.08	.078
70-ILSB0805ER220K	ILSB0805ER220K	22	30	1	1.10	5	.16	.13	.12	.10	.09	.08	.078
70-ILSB0805ER270K	ILSB0805ER270K	27	30	1	1.15	5	.23	.19	.17	.15	.14	.12	.11

For quantities of 18000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (μH)	Q (Min)	Test Frequency L&G (MHz)	Max. DCR (Ω)	Rated DC Current (mA)	Price Each						
							1	50	100	1000	3000	6000	9000
1206 Size													
70-ILSB1206ERR10K	ILSB1206ERR10K	0.10	20	25	0.25	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ERR15K	ILSB1206ERR15K	0.15	20	25	0.30	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ERR18K	ILSB1206ERR18K	0.18	20	25	0.40	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ERR22K	ILSB1206ERR22K	0.22	20	25	0.40	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ERR27K	ILSB1206ERR27K	0.27	20	25	0.50	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ERR33K	ILSB1206ERR33K	0.33	20	25	0.60	250	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ERR39K	ILSB1206ERR39K	0.39	25	25	0.50	200	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ERR47K	ILSB1206ERR47K	0.47	25	25	0.60	200	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ERR56K	ILSB1206ERR56K	0.56	25	25	0.70	150	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER1R0K	ILSB1206ER1R0K	1.0	45	10	0.40	100	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER1R2K	ILSB1206ER1R2K	1.2	45	10	0.50	100	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER1R5K	ILSB1206ER1R5K	1.5	45	10	0.50	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER1R8K	ILSB1206ER1R8K	1.8	45	10	0.50	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER2R2K	ILSB1206ER2R2K	2.2	45	10	0.50	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER2R7K	ILSB1206ER2R7K	2.7	45	10	0.60	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER3R9K	ILSB1206ER3R9K	3.9	45	10	0.80	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER4R7K	ILSB1206ER4R7K	4.7	45	10	0.90	50	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER8R2K	ILSB1206ER8R2K	8.2	45	4	0.90	25	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER100K	ILSB1206ER100K	10	45	2	1.00	25	.14	.12	.11	.09	.08	.07	.068
70-ILSB1206ER120K	ILSB1206ER120K	12	45	2	1.05	15	.18	.15	.14	.12	.11	.10	.09
70-ILSB1206ER150K	ILSB1206ER150K	15	45	1	0.70	5	.18	.15	.14	.12	.11	.10	.09
70-ILSB1206ER180K	ILSB1206ER180K	18	45	1	0.70	5	.18	.15	.14	.12	.11	.10	.09
70-ILSB1206ER220K	ILSB1206ER220K	22	35	1	0.90	5	.18	.15	.14	.12	.11	.10	.09

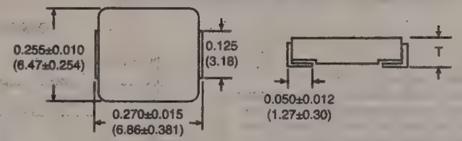
VISHAY / DALE Low Profile - SMD High Current Inductors

RoHS Compliant This page of product is compliant.

IHLP2525 - AH, BD, CZ SERIES - LEAD-FREE

Features:
- Operating temperature: -55°C to +125°C
- Shielded construction.
- Frequency range up to 5.0MHz
- Handles high transient current spikes without saturation

Applications:
- PDA/Notebook/Desktop/Server applications
- High current POL converters
- Power supplies
- Battery powered devices
- DC/DC converters in distributed power systems, FPGAs



DIMENSIONS: in. (mm)

RoHS Compliant

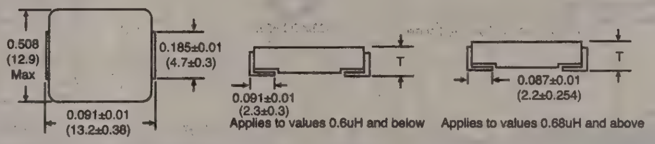
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH ± 20%)	T (mm)	DCR Max @ 25°C (mΩ)	Heat Rating Current DC Amps- Typical	Price Each				
						1	25	50	100	500
IHLP-2525AH-01 Series										
70-IHLP2525AHERR10M1	IHLP2525AHERR10M01	0.1	.071 (1.80)	3.5	18	2.25	1.95	1.80	1.65	1.28
70-IHLP2525AHERR22M1	IHLP2525AHERR22M01	0.22	.071 (1.80)	5.7	14	2.25	1.95	1.80	1.65	1.28
70-IHLP2525AHERR47M1	IHLP2525AHERR47M01	0.47	.071 (1.80)	9.3	11	2.25	1.95	1.80	1.65	1.28
70-IHLP2525AHER1R0M1	IHLP2525AHER1R0M01	1.0	.071 (1.80)	18.3	7	2.25	1.95	1.80	1.65	1.28
70-IHLP2525AHER2R2M1	IHLP2525AHER2R2M01	2.2	.071 (1.80)	46	3.75	2.25	1.95	1.80	1.65	1.28
70-IHLP2525AHER4R7M1	IHLP2525AHER4R7M01	4.7	.071 (1.80)	78	3	2.25	1.95	1.80	1.65	1.28
IHLP-2525CZ-01 Series										
70-IHLP2525CZERR10M1	IHLP2525CZERR10M01	0.1	.118 (3.0)	1.7	32.5	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZERR15M1	IHLP2525CZERR15M01	0.15	.118 (3.0)	2.5	26	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZERR20M1	IHLP2525CZERR20M01	0.2	.118 (3.0)	3.0	24	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZERR22M1	IHLP2525CZERR22M01	0.22	.118 (3.0)	2.8	23	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZERR33M1	IHLP2525CZERR33M01	0.33	.118 (3.0)	3.9	20	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZERR47M1	IHLP2525CZERR47M01	0.47	.118 (3.0)	4.2	17.5	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZERR68M1	IHLP2525CZERR68M01	0.68	.118 (3.0)	5.5	15.5	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZERR82M1	IHLP2525CZERR82M01	0.82	.118 (3.0)	8.0	13	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZER1R0M1	IHLP2525CZER1R0M01	1.0	.118 (3.0)	10	11	1.95	1.63	1.30	1.14	1.07
70-IHLP2525CZER1R5M1	IHLP2525CZER1R5M01	1.5	.118 (3.0)	15	9.0	1.53	1.28	1.08	.89	.83
70-IHLP2525CZER2R2M1	IHLP2525CZER2R2M01	2.2	.118 (3.0)	20	8.0	1.53	1.28	1.08	.89	.83
70-IHLP2525CZER3R3M1	IHLP2525CZER3R3M01	3.3	.118 (3.0)	30	6.0	1.53	1.28	1.08	.89	.83
70-IHLP2525CZER4R7M1	IHLP2525CZER4R7M01	4.7	.118 (3.0)	40	5.5	1.53	1.28	1.08	.89	.83
70-IHLP2525CZER6R8M1	IHLP2525CZER6R8M1	6.8	.118 (3.0)	60	4.5	1.83	1.53	1.22	1.07	1.01
70-IHLP2525CZER100M1	IHLP2525CZER100M01	10	.118 (3.0)	105	3.0	1.83	1.53	1.22	1.07	1.01

IHLP5050 - CE, EZ, FD SERIES - LEAD-FREE

Features:
- Operating temperature: -55°C to +125°C
- Shielded construction
- Frequency range up to 5.0MHz
- Handles high transient current spikes without saturation

Applications:
- PDA/Notebook/Desktop/Server applications
- High current POL converters
- Power supplies
- Battery powered devices
- DC/DC converters in distributed power systems, FPGAs



DIMENSIONS: in. (mm)

RoHS Compliant

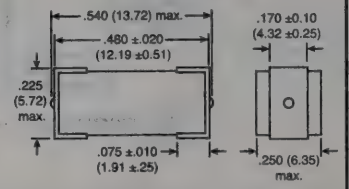
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	Inductance (µH ± 20%)	T (mm)	DCR Max @ 25°C (mΩ)	Heat Rating Current DC Amps- Typical	Price Each				
						1	25	50	100	500
IHLP-5050CE-01 Series										
70-IHLP5050CEERR68M1	IHLP5050CEERR68M01	0.68	.138 (3.5)	2.3	28	3.45	2.88	2.30	2.01	1.90
70-IHLP5050CEERR82M1	IHLP5050CEERR82M01	0.82	.138 (3.5)	2.6	25	3.45	2.88	2.30	2.01	1.90
70-IHLP5050CEER1R0M1	IHLP5050CEER1R0M01	1	.138 (3.5)	3.3	24	3.45	2.88	2.30	2.01	1.90
70-IHLP5050CEER1R5M1	IHLP5050CEER1R5M01	1.5	.138 (3.5)	5.1	19	3.45	2.88	2.30	2.01	1.90
70-IHLP5050CEER2R2M1	IHLP5050CEER2R2M01	2.2	.138 (3.5)	7.2	16	3.45	2.88	2.30	2.01	1.90
70-IHLP5050CEER3R3M1	IHLP5050CEER3R3M01	3.3	.138 (3.5)	11	12	3.45	2.88	2.30	2.01	1.90
70-IHLP5050CEER4R7M1	IHLP5050CEER4R7M01	4.7	.138 (3.5)	14.3	10	3.45	2.88	2.30	2.01	1.90
70-IHLP5050CEER100M1	IHLP5050CEER100M01	10	.138 (3.5)	30.4	7	3.87	3.23	2.58	2.26	2.13
IHLP-5050EZ-01 Series										
70-IHLP5050EZER1R0M1	IHLP5050EZER1R0M01	1.0	.197 (5.0)	2.1	29	4.28	3.85	3.25	2.91	2.74
70-IHLP5050EZER2R2M1	IHLP5050EZER2R2M01	2.2	.197 (5.0)	4.6	20	4.28	3.85	3.25	2.91	2.74
70-IHLP5050EZER3R3M1	IHLP5050EZER3R3M01	3.3	.197 (5.0)	7.7	15	4.28	3.85	3.25	2.91	2.74
70-IHLP5050EZER4R7M1	IHLP5050EZER4R7M01	4.7	.197 (5.0)	12.8	12	4.28	3.85	3.25	2.91	2.74
70-IHLP5050EZER100M1	IHLP5050EZER100M01	10	.197 (5.0)	21.4	9.0	4.80	4.32	3.65	3.26	3.07
IHLP-5050FD-01 Series										
70-IHLP5050FDERR15M1	IHLP5050FDERR15M1	0.15	.256 (6.5)	0.60	55	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDERR33M1	IHLP5050FDERR33M1	0.33	.256 (6.5)	0.90	46	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDERR40M1	IHLP5050FDERR40M1	0.40	.256 (6.5)	1.0	44	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDERR47M1	IHLP5050FDERR47M1	0.47	.256 (6.5)	1.2	41	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDERR68M1	IHLP5050FDERR68M1	0.68	.256 (6.5)	1.6	35	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDER1R0M1	IHLP5050FDER1R0M1	1.0	.256 (6.5)	2.0	32	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDER1R5M1	IHLP5050FDER1R5M1	1.5	.256 (6.5)	3.0	27	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDER2R2M1	IHLP5050FDER2R2M1	2.2	.256 (6.5)	4.2	22	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDER3R3M1	IHLP5050FDER3R3M1	3.3	.256 (6.5)	6.8	18	5.91	4.93	3.94	3.45	3.25
70-IHLP5050FDER4R7M1	IHLP5050FDER4R7M1	4.7	.256 (6.5)	11.2	13.5	5.91	4.93	3.94	3.45	3.25

VISHAY / DALE Surface Mount Inductors

IHSM-4825 SERIES HIGH CURRENT, SURFACE MOUNT INDUCTORS

DIMENSIONS: in.



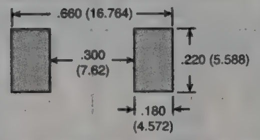
Features:
- Flame retardant encapsulant - (UL-94V-0)
- Completely encapsulated winding provides superior environmental protection and moisture resistance
- High current unit in surface mount package printed with model, inductance value and date code
- Compatible with infrared or conventional reflow soldering methods
- Pick and place compatible

Applications:
- Excellent power line noise filters, filters for switching regulated power supplies, DC/DC converters, SCR and Triac controls and RFI suppression

Specifications:
- Inductance: Measured at 1 volt with no DC current
- Operating Temperature: -55°C to + 125°C (no load) -55°C to + 85°C (at full rated current)
- On Tape and Reel

LEAD-FREE

Recommended Pad Layout



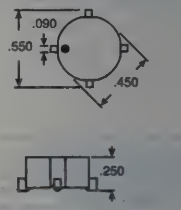
For quantities of 50 and up, call for quote.

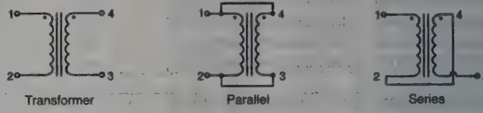
MOUSER STOCK NO.	L (μH)	Tol.	DCR Max. (Ω)	Rated Current (Max. Amps)	Price Each		
					1	10	25
70-IHSM4825ER1R0L	1	15%	0.013	8.6	4.35	3.63	2.90
70-IHSM4825ER1R5L	1.5	15%	0.02	6.9	4.35	3.63	2.90
70-IHSM4825ER3R3L	3.3	15%	0.038	4.6	4.35	3.63	2.90
70-IHSM4825ER4R7L	4.7	15%	0.047	4.0	4.35	3.63	2.90
70-IHSM4825ER100K	10	10%	.071	3.1	4.44	3.70	2.96
70-IHSM4825ER100L	10	15%	0.071	3.1	4.44	3.70	2.96
70-IHSM4825ER220L	22	15%	0.152	1.7	4.56	3.80	3.04
70-IHSM4825ER270L	27	15%	0.179	1.6	4.56	3.80	3.04
70-IHSM4825ER470L	47	15%	0.362	1.07	4.08	3.40	2.72
70-IHSM4825ER101L	100	15%	0.672	0.73	4.08	3.40	2.72
70-IHSM4825ER221L	220	15%	1.58	0.46	4.08	3.40	2.72

LPT-4545 TOROIDAL SURFACE MOUNT INDUCTORS

DIMENSIONS: in.

Features:
- Toroidal design for minimal EMI radiation in DC to DC converter applications
- Designed to support the growing need for efficient DC to DC converters in battery operated equipment
- Two separate windings provide versatility by ability to connect windings in series or parallel





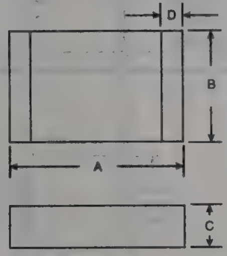
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Parallel Connected			Series Connected			Price Each		
	Ind. (μH) ±15%	Rated Current (A)	DCR max. (Ω)	Ind. (μH) ±15%	Rated Current (A)	DCR max. (Ω)	1	10	25
70-LPT4545-100LA	10	4.000	.030	40	2.000	.120	9.30	8.75	8.43
70-LPT4545-200LA	20	2.100	.050	80	1.050	.215	9.30	8.75	8.43
70-LPT4545-101LA	100	.950	.175	400	.475	.700	9.30	8.75	8.43
70-LPT4545-151LA	150	.720	.330	600	.360	1.32	9.30	8.75	8.43

IFC-0603/0805 SERIES HIGH Q/SRF, LOW VALUE CHIP INDUCTORS

Features:
- High reliability
- Surface mountable
- High self-resonant frequency
- Temperature range: -40°C to +125°C (no load) -40°C to +85°C (full rated current)

LEAD-FREE



Model	DIMENSIONS: in. (mm)			
	A	B	C	D
IFC-0603	0.063±0.004 (1.60±0.1)	0.031±0.004 (0.80±0.1)	0.020±0.004 (0.50±0.1)	0.015 Max. (0.38 Max.)
IFC-0805	0.079±0.006 (2.00±0.15)	0.049±0.006 (1.25±0.15)	0.020±0.006 (0.50±0.15)	0.015 Max. (0.38 Max.)

∗ 500 MHz

MOUSER STOCK NO.	Vishay Part No.	L 100 MHz (nH)	L Tol. ±	Q 100 MHz (Typ.)	Q 800 MHz (Typ.)	Q 1700 MHz (Typ.)	SRF MHz (Typ.)	Rdc Ohms (Max.)	Rated DC Current (mA)	Price Each						
										1	100	500	1000	5000	10000	25000
0603 Size																
70-IFC0603ER1N5S	IFC0603ER1N5S	1.5	0.3nH	11	38	42	>15000	0.06	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER1N8S	IFC0603ER1N8S	1.8	0.3nH	10	35	50	>15000	0.06	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER2N2S	IFC0603ER2N2S	2.2	0.3nH	10	40	47	14000	0.08	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER2N7S	IFC0603ER2N7S	2.7	0.3nH	10	38	51	13000	0.12	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER3N3K	IFC0603ER3N3K	3.3	10%	10	41	53	10000	0.15	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER3N9K	IFC0603ER3N9K	3.9	10%	10	36	51	8000	0.20	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER4N7K	IFC0603ER4N7K	4.7	10%	10	38	55	7000	0.21	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER5N6K	IFC0603ER5N6K	5.6	10%	10	38	48	5100	0.29	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER6N8J	IFC0603ER6N8J	6.8	5%	10	38	47	4900	0.32	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER8N2J	IFC0603ER8N2J	8.2	5%	10	38	58	3700	0.35	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER10NJ	IFC0603ER10NJ	10	5%	10	34	40	3600	0.42	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER12NJ	IFC0603ER12NJ	12	5%	11	36	45	3200	0.50	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER15NJ	IFC0603ER15NJ	15	5%	12	32	24	2600	0.60	400	.13	.10	.08	.07	.063	.059	.055
70-IFC0603ER18NJ	IFC0603ER18NJ	18	5%	11	30	23	2500	0.75	400	.13	.10	.08	.07	.063	.059	.055
0805 Size																
70-IFC0805ER1N5S	IFC0805ER1N5S	1.5	0.3nH	18	57	125	>15000	0.04	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER1N8S	IFC0805ER1N8S	1.8	0.3nH	12	45	58	>15000	0.06	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER2N2S	IFC0805ER2N2S	2.2	0.3nH	12	45	68	>15000	0.09	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER2N7S	IFC0805ER2N7S	2.7	0.3nH	12	46	71	12000	0.11	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER3N3K	IFC0805ER3N3K	3.3	10%	12	46	67	11000	0.13	1000	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER3N9K	IFC0805ER3N9K	3.9	10%	15	55	80	9000	0.13	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER4N7K	IFC0805ER4N7K	4.7	10%	15	53	78	7000	0.16	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER5N6K	IFC0805ER5N6K	5.6	10%	13	53	80	6500	0.17	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER6N8J	IFC0805ER6N8J	6.8	5%	14	53	65	4800	0.20	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER8N2J	IFC0805ER8N2J	8.2	5%	15	50	77	3600	0.25	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER10NJ	IFC0805ER10NJ	10	5%	13	48	67	3500	0.36	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER12NJ	IFC0805ER12NJ	12	5%	14	48	68	3400	0.41	500	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER15NJ	IFC0805ER15NJ	15	5%	15	48	59	3100	0.49	400	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER18NJ	IFC0805ER18NJ	18	5%	14	48	48	2550	0.69	400	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER22NJ	IFC0805ER22NJ	22	5%	16	39	-	1750	0.70	400	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER27NJ	IFC0805ER27NJ	27	5%	16	41	-	1600	0.95	300	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER33NJ	IFC0805ER33NJ	33	5%	16	39 ∗	-	1300	1.1	300	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER39NJ	IFC0805ER39NJ	39	5%	18	32 ∗	-	1200	1.1	300	.13	.10	.08	.07	.063	.059	.055
70-IFC0805ER47NJ	IFC0805ER47NJ	47	5%	17	30 ∗	-	1060	1.2	300	.13	.10	.08	.07	.063	.059	.055

VISHAY / DALE Surface Mount Inductors

RoHS Compliant This page of product is compliant.

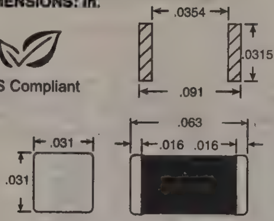
IMC-0603 SURFACE MOUNT INDUCTORS HIGH FREQUENCY, LASER SPIRAL, COATED

Features:
- High self-resonant frequency values
- High Q values relative to size at higher frequencies
- Coated coil provides protection and moisture resistance
- Compatible with vapor phase and infrared reflow soldering
- L and Q value not affected by mounting orientation

Specifications:
- Operating temperature: -40°C to +100°C
- Core Material: Ceramic

RoHS Compliant

DIMENSIONS: in.



For quantities of 6,000 and up, call for quote.

MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Price Each
								1	50	100	3000
70-IMC0603ER2N2S	2.2	.3nH	8	100	6000	0.09	500	.15	.13	.09	.06
70-IMC0603ER3N3S	3.3	.3nH	9	100	5500	0.12	500	.15	.13	.09	.06
70-IMC0603ER4N7J	4.7	5%	9	100	4800	0.17	450	.15	.13	.09	.06
70-IMC0603ER10NJ	10	5%	10	100	2800	0.32	400	.15	.13	.09	.06
70-IMC0603ER22NJ	22	5%	10	100	2000	0.5	300	.15	.13	.09	.06
70-IMC0603ER33NJ	33	5%	10	100	1800	0.6	300	.15	.13	.09	.06
70-IMC0603ER47NJ	47	5%	11	100	1800	0.95	250	.15	.13	.09	.06
70-IMC0603ER82NJ	82	5%	12	100	1500	1.5	250	.15	.13	.09	.06
70-IMC0603ERR10J	100	5%	12	100	1300	1.8	200	.15	.13	.09	.06

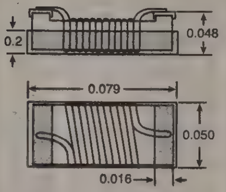
IMC-0805-01 SURFACE MOUNT INDUCTORS HIGH FREQUENCY

Features:
- High self-resonant frequency values
- High Q values relative to size at higher frequencies
- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering

Specifications:
- Operating temperature: -40°C to +125°C
- Core Material: Ceramic for 2.2nH to 390nH
- Ferrite for 470nH to 10,000nH

RoHS Compliant

DIMENSIONS: in.



For quantities of 4,000 and up, call for quote

MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Price Each
								1	50	100	2000
70-IMC0805ER2N2S01	2.2	.3nH	50	1000	6000	0.06	600	.27	.24	.17	.11
70-IMC0805ER2N7S01	2.7	.3nH	35	1000	6000	0.08	600	.27	.24	.17	.11
70-IMC0805ER5N6J01	5.6	5%	60	1000	5800	0.08	600	.27	.24	.17	.11
70-IMC0805ER10NJ01	10	5%	60	500	4800	0.08	600	.27	.24	.17	.11
70-IMC0805ER22NJ01	22	5%	60	500	3300	0.10	600	.27	.24	.17	.11
70-IMC0805ER27NJ01	27	5%	60	500	2600	0.12	600	.27	.24	.17	.11
70-IMC0805ER47NJ01	47	5%	60	500	2100	0.15	500	.27	.24	.17	.11
70-IMC0805ERR10J01	100	5%	60	500	1200	0.43	500	.27	.24	.17	.11
70-IMC0805ERR22J01	220	5%	50	250	860	1.10	300	.27	.24	.17	.11
70-IMC0805ERR27J01	270	5%	45	250	850	1.46	250	.27	.24	.17	.11
70-IMC0805ERR47J01	470	5%	45	100	750	0.99	330	.27	.24	.17	.11
70-IMC0805ER1R0J01	1000	5%	35	50	480	2.50	120	.27	.24	.17	.11
70-IMC0805RK2R2J01	2200	5%	15	7.96	100	1.15	320	.27	.24	.17	.11
70-IMC0805RK2R7J01	2700	5%	15	7.96	100	1.25	320	.29	.25	.18	.11
70-IMC0805RK3R3J01	3300	5%	15	7.96	50	1.75	270	.29	.25	.18	.11

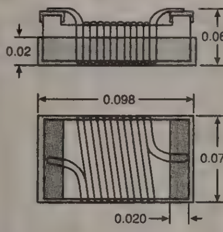
IMC-1008 SURFACE MOUNT INDUCTORS HIGH FREQUENCY

Features:
- High self-resonant frequency values
- High Q values at higher frequencies
- Wirewound construction
- Compatible with vapor phase and infrared reflow soldering

Specifications:
- Inductance and Q measured on HP4191A
- SRF measured on HP8753B
- Temperature range: -40°C to +85°C
- Core material: non-magnetic

RoHS Compliant

DIMENSIONS: in.



For quantities of 4,000 and up, call for quote.

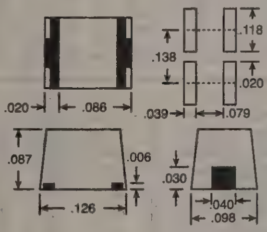
MOUSER STOCK NO.	L (nH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Price Each
								1	50	100	2000
70-IMC1008ER10NJ	10	5%	50	1000	4300	0.08	600	.27	.24	.17	.11
70-IMC1008ER22NJ	22	5%	60	350	2500	0.10	600	.27	.24	.17	.11
70-IMC1008ER27NJ	27	5%	60	350	1800	0.10	600	.27	.24	.17	.11
70-IMC1008ER47NJ	47	5%	60	350	1500	0.10	600	.27	.24	.17	.11
70-IMC1008ERR10J	100	5%	60	350	1100	0.18	500	.27	.24	.17	.11
70-IMC1008ERR22J	220	5%	45	100	730	0.45	500	.27	.24	.17	.11
70-IMC1008ERR27J	270	5%	45	100	650	0.75	500	.27	.24	.17	.11
70-IMC1008ERR47J	470	5%	45	100	480	1.30	400	.27	.24	.17	.11
70-IMC1008ER1R0J	1000	5%	35	50	310	3.60	90	.27	.24	.17	.11
70-IMC1008ER2R2J	2200	5%	30	7.96	105	1.55	200	.29	.25	.18	.11
70-IMC1008ER2R7J	2700	5%	30	7.96	70	1.70	195	.29	.25	.18	.11
70-IMC1008ER4R7J	4700	5%	30	7.96	43	2.30	175	.29	.25	.18	.11
70-IMC1008ER6R8J	6800	5%	25	7.96	39	2.80	165	.29	.25	.18	.11
70-IMC1008ER8R2J	8200	5%	25	7.96	36	3.05	160	.29	.25	.18	.11

IMC-1210 MOLDED SURFACE MOUNT INDUCTORS

RoHS Compliant

Features:
- Printed marking
- Compatible with vapor phase and infrared reflow soldering
- Molded construction provides superior strength and moisture resistance

Specifications:
- Operating temperature: -55°C to +125°C
- Core material: Ceramic for 3.3nH to 1000nH, ferrite for 1200nH to 22,000nH



DIMENSIONS: in.

For quantities of 4,000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Price Each
								1	50	100	2000
70-IMC1210ERR10M	0.1	20%	30	50	700	0.44	450	.43	.33	.30	.18
70-IMC1210ERR22M	0.22	20%	30	25.2	350	0.32	484	.43	.33	.30	.18
70-IMC1210ER1R0K	1	10%	30	7.96	120	0.7	400	.39	.30	.28	.16
70-IMC1210ER2R2K	2.2	10%	30	7.96	75	1	320	.39	.30	.28	.16
70-IMC1210ER2R7K	2.7	10%	30	7.96	70	1.1	290	.39	.30	.28	.16
70-IMC1210ER3R3K	3.3	10%	30	7.96	60	1.2	260	.39	.30	.28	.16
70-IMC1210ER4R7K	4.7	10%	30	7.96	50	1.5	224	.39	.30	.28	.16
70-IMC1210ER100K	10	10%	30	2.52	33	2.1	189	.39	.30	.28	.16
70-IMC1210ER220K	22	10%	30	2.52	19	3.7	145	.51	.39	.36	.21
70-IMC1210ER101K	100	10%	20	0.796	9	14	73	.51	.39	.36	.21

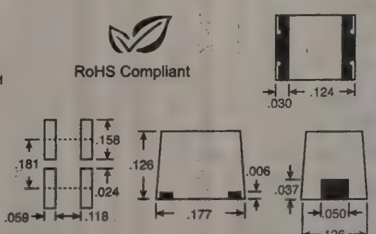
IMC-1812 MOLDED SURFACE MOUNT INDUCTORS

Features:
- Molded construction provides superior strength and moisture resistance
- Printed marking
- Compatible with vapor phase and infrared reflow soldering

Specifications:
- Inductance tolerance: ±10%
- Temperature range: -40°C to +105°C
- Core material: powdered iron for 1.0μH to 100μH, ferrite for 150μH to 1000μH

RoHS Compliant

DIMENSIONS: in.



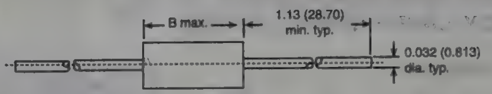
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. (Ω)	Rated DC Curr. (mA)	Price Each			Reel Price Each
								1	50	100	500
70-IMC1812ER1R0K	1	10%	50	7.96	100	0.5	450	.68	.45	.40	.34
70-IMC1812ER1R2K	1.2	10%	50	7.96	80	0.55	430	.68	.45	.40	.34
70-IMC1812ER1R5K	1.5	10%	50	7.96	70	.60	410	.68	.45	.40	.34
70-IMC1812ER2R7K	2.7	10%	50	7.96	50	0.75	370	.68	.45	.40	.34
70-IMC1812ER4R7K	4.7	10%	50	7.96	35	1	315	.68	.45	.40	.34
70-IMC1812ER5R6K	5.6	10%	50	7.96	33	1.1	300	.70	.47	.42	.35
70-IMC1812ER100K	10	10%	50	2.52	20	1.6	250	.68	.45	.40	.34
70-IMC1812ER150K	15	10%	50	2.52	17	2.5	200	.70	.47	.42	.35
70-IMC1812ER220K	22	10%	50	2.52	13	3.2	180	.78	.52	.46	.39
70-IMC1812ER470K	47	10%	50	2.52	10	5	140	.78	.52	.46	.39
70-IMC1812ER101K	100	10%	40	0.79	8	8	110	.78	.52	.46	.39
70-IMC1812ER221K	220	10%	40	0.79	4	10	100	.78	.52	.46	.39
70-IMC1812ER331K	330	10%	40	0.79	3.5	14	85	.78	.52	.46	.39
70-IMC1812ER102K	1000	10%	30	0.25	2.5	40	30	.95	.63	.56	.47

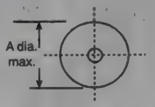
VISHAY / DALE Axial Lead

DIMENSIONS: In. (mm)

IHD FILTER INDUCTORS-HIGH CURRENT



Electrical Specifications:
- Inductance: measured at 1V with no DC current
- Operating Temperature: -55°C to +125°C (no Load)
  -55°C to +85°C (at full rated current)
- Tolerance: 15%



Mechanical Specifications:
- Wire: solid soft copper
- Terminals: 20 AWG tinned copper leads
- Coating: polyolefin tubing
- Core Material: ferrite

Model	A (max.)	B (max.)
IHD-1	0.270 (6.85)	0.7 (17.78)
IHD-3	0.46 (11.68	0.9 (22.86)

For quantities of 500 and up, call for quote.

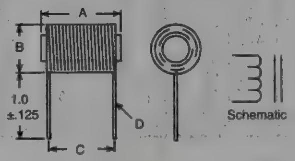
MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR (Ω)	Rated Current (max. Amps)	Price Each			
					1	25	50	100
70-IHD1-5.6	IHD1BH5R6L	5.6	0.024	3.2	5.95	4.31	3.69	3.44
70-IHD1-47	IHD1BH470L	47	0.104	1.6	6.58	4.77	4.09	3.81
70-IHD1-220	IHD1BH221L	220	0.505	0.70	6.58	4.77	4.09	3.81
70-IHD1-330	IHD1BH331L	330	0.650	0.62	6.58	4.77	4.09	3.81
70-IHD1-1000	IHD1BH102L	1K	2.300	0.33	4.60	3.45	2.88	2.30
70-IHD3-220	IHD3BH221L	220	0.162	1.6	3.02	2.18	1.87	1.75
70-IHD3-330	IHD3BH331L	330	0.257	1.6	3.42	2.48	2.12	1.98
70-IHD3-1K	IHD3BH102L	1K	0.844	0.80	3.42	2.48	2.12	1.98
70-IHD3-1.5K	IHD3BH152L	1.5K	1.180	0.60	3.42	2.48	2.12	1.98

IH HIGH CURRENT FILTER INDUCTORS

DIMENSIONS: in.

Features:
- Printed circuit mounting
- Pre-tinned leads
- Protected by polyolefin tubing

Specifications:
- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Operating temperature:
  -55°C to +75°C @ rated current



For quantities of 50 and up, call for quote.

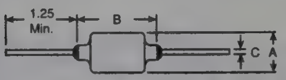
MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions: in.				Price Each		
					A max.	B max.	C±.062	D±.005	1	10	25
70-IH-3-5	IH03BQ5R0K	5	0.015	10	.875	.60	.50	.042	7.00	4.75	3.85
70-IH-3-10	IH03BQ100K	10	0.018	9	1.125	.625	.687	.042	4.79	3.47	2.97
70-IH-3-27	IH03BQ270K	27	0.035	7	.875	.80	.437	.042	5.13	3.72	3.19
70-IH-3-50	IH03BQ500K	50	0.05	5.6	.875	.80	.75	.042	5.28	3.82	3.28
70-IH-3-100	IH03BQ101K	100	0.065	5.2	1.125	.80	.937	.042	5.57	4.03	3.46
70-IH-3-150	IH03BQ151K	150	0.075	5	1.375	.80	1.062	.042	9.02	6.53	5.60
70-IH-3-250	IH03BQ251K	250	0.09	5	1.625	.80	1.312	.042	9.45	6.85	5.87
70-IH-5-5	IH05BQ5R0K	5	0.012	14	.875	.625	.75	.053	4.64	3.36	2.88
70-IH-5-10	IH05BQ100K	10	0.015	12	1.125	.625	1.00	.053	4.64	3.36	2.88
70-IH-5-50	IH05BQ500K	50	0.03	8	1.125	.84	.75	.053	5.22	3.78	3.24
70-IH-5-100	IH05BQ101K	100	0.05	7.5	1.375	.86	1.00	.053	5.68	4.12	3.53
70-IH-10-10	IH10BQ100K	10	0.012	16	1.375	.635	1.218	.065	7.86	5.40	4.33
70-IH-10-27	IH10BQ270K	27	0.018	12.5	1.125	.935	.687	.065	7.98	5.78	4.95
70-IH-10-100	IH10BQ101K	100	0.03	10	1.625	.935	1.312	.065	9.83	7.12	6.10
70-IH-15-27	IH15BQ270K	27	0.015	16	1.375	1.00	.937	.082	9.34	6.76	5.80

IHA HIGH CURRENT FILTER INDUCTORS

Features:
- Printed circuit mounting (axial leads)
- Pre-tinned leads
- Designed for use with switching power supplies
- Protected by polyolefin sleeve

Specifications:
- Tolerance: ±10%
- Inductance: measured at 1V with no DC current
- Current rating: maximum continuous operating current (DC or RMS) based on 50°C temperature rise
- Operating temperature: -55°C to +75°C @ rated current

DIMENSIONS: In.



For quantities of 50 and up, call for quote.

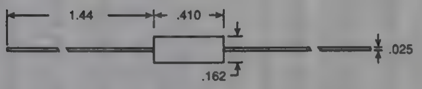
MOUSER STOCK NO.	Vishay Part No.	Ind. @ 1kHz (μH)	DCR max. (Ω)	Rated Current (A)	Dimensions: in.			Price Each		
					A max.	B max.	C±.002	1	10	25
70-IHA-101	IHA101BA	50	0.12	2.5	.475	.80	.032	2.80	1.90	1.55
70-IHA-102	IHA102BA	100	0.16	2.1	.475	.80	.032	2.80	1.90	1.55
70-IHA-103	IHA103BA	250	0.28	1.8	.475	1.05	.032	3.20	2.15	1.75
70-IHA-104	IHA104BA	500	0.42	1.6	.55	1.05	.032	3.20	2.15	1.75
70-IHA-105	IHA105BA	1000	0.6	1.4	.55	1.175	.032	3.65	2.50	2.00
70-IHA-201	IHA201BA	27	0.06	3.7	.50	.80	.032	2.76	2.00	1.71
70-IHA-202	IHA202BA	50	0.085	3.1	.50	.80	.032	2.52	1.83	1.57
70-IHA-203	IHA203BA	100	0.12	2.7	.50	.92	.032	3.07	2.23	1.91
70-IHA-204	IHA204BA	250	0.2	2.4	.60	.92	.032	3.13	2.27	1.94
70-IHA-205	IHA205BA	500	0.32	2.3	.75	1.05	.032	4.85	3.30	2.70
70-IHA-301	IHA301BA	5	0.015	6.8	.475	.80	.032	2.76	2.00	1.71
70-IHA-302	IHA302BA	10	0.021	6.1	.475	.92	.032	2.87	2.08	1.78
70-IHA-303	IHA303BA	27	0.04	4.8	.55	.80	.032	2.90	2.10	1.80
70-IHA-304	IHA304BA	50	0.05	4.3	.55	.92	.032	2.78	2.02	1.73
70-IHA-305	IHA305BA	100	0.07	4.2	.55	1.175	.032	3.20	2.15	1.75
70-IHA-502	IHA502BA	10	0.015	8.3	.475	1.05	.04	3.54	2.56	2.20
70-IHA-505	IHA505BA	100	0.06	5.9	.70	1.3	.04	4.76	3.44	2.95

IMS-5 INDUCTORS - MOLDED, SHIELDED TYPE LT AND COMMERCIAL

Specifications:
- Meets MIL spec.: MIL-C-15305
- Insulation resistance: 1000MΩ
- Dielectric strength: 1000VAC
- Operating temperature range: -55°C to +105°C
- Tolerance: ±10%

Features:
- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, sturdy construction
- Epoxy molded construction provides superior moisture protection

DIMENSIONS: In.



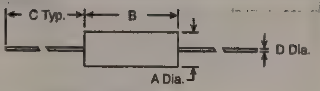
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vishay Part No.	L (μH)	Q Min	Test Freq MHz	SRF Min. MHz	DCR Max. Ohms	Idc Max (mA)	Price Each		
								1	10	25
70-IMS5-1.0	IMS05BH1R0K	1.0	44	25.0	140.0	.07	1070	1.60	1.16	.99
70-IMS5-2.2	IMS05BH2R2K	2.2	44	7.9	100.0	.19	650	1.51	1.09	.94
70-IMS5-3.3	IMS05BH3R3K	3.3	44	7.9	85.0	.35	480	1.51	1.09	.94
70-IMS5-4.7	IMS05BH4R7K	4.7	44	7.9	70.0	.55	380	1.51	1.09	.94
70-IMS5-10	IMS05BH100K	10.0	50	7.9	46.0	1.62	220	1.51	1.09	.94
70-IMS5-15	IMS05BH150K	15.0	45	2.5	49.0	.80	315	1.51	1.09	.94
70-IMS5-18	IMS05BH180K	18.0	45	2.5	45.0	.89	300	1.51	1.09	.94
70-IMS5-22	IMS05BH220K	22.0	45	2.5	41.0	.96	290	1.51	1.09	.94
70-IMS5-27	IMS05BH270K	27.0	45	2.5	38.0	1.19	260	1.51	1.09	.94
70-IMS5-33	IMS05BH330K	33.0	45	2.5	34.0	1.37	240	1.51	1.09	.94
70-IMS5-39	IMS05BH390K	39.0	50	2.5	29.0	1.93	205	1.51	1.09	.94
70-IMS5-47	IMS05BH470K	47.0	50	2.5	27.0	2.11	195	1.51	1.09	.94
70-IMS5-56	IMS05BH560K	56.0	50	2.5	25.0	2.23	190	1.51	1.09	.94
70-IMS5-100	IMS05BH101K	100.0	50	2.5	10.0	3.12	160	1.60	1.16	.99
70-IMS5-150	IMS05BH151K	150.0	55	.8	8.5	4.10	140	1.60	1.16	.99
70-IMS5-220	IMS05BH221K	220.0	55	.8	7.5	5.00	125	1.60	1.16	.99
70-IMS5-470	IMS05BH471K	470.0	60	.8	5.7	9.50	92	1.68	1.22	1.04
70-IMS5-1000	IMS05BH102K	1000.0	60	.8	3.8	17.50	70	1.68	1.22	1.04
70-IMS5-2200	IMS05BH222K	2200.0	45	.3	1.0	33.80	50	1.68	1.22	1.04
70-IMS5-3300	IMS05BH332K	3300.0	45	.3	.8	53.00	40	1.77	1.28	1.10
70-IMS5-4700	IMS05BH472K	4700.0	45	.3	.7	81.60	31	1.77	1.28	1.10
70-IMS5-5600	IMS05BH562K	5600.0	44	.3	.7	98.90	28	2.06	1.49	1.28
70-IMS5-6800	IMS05BH682K	6800.0	40	.3	.7	111.00	27	2.06	1.49	1.28

VISHAY / DALE Axial Lead Inductors

IM-2 MOLDED INDUCTORS

Specifications:
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000VAC
- Tolerance Standard = 10%, values 56µH > 5%



Features:
- Wide inductance range in small package
- Flame retardant coating
- Precision performance, excellent reliability, sturdy construction
- Epoxy molded construction provides superior moisture protection

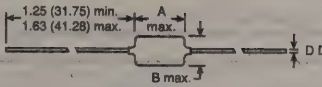
DIMENSIONS: in. (mm)					
Model		A	B	C	D
IM-2	max.	.105 (2.67)	.260 (6.60)	1.63 (41.4)	.0215 (.546)
	min.	.085 (2.16)	.240 (6.10)	1.25 (31.7)	.0185 (.470)
IM-3	max.	.165 (4.19)	.385 (9.78)	1.63 (41.4)	.027 (.686)
	min.	.145 (3.68)	.365 (9.27)	1.25 (31.7)	.023 (.584)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	10	25
70-IM2-.10	0.1	10%	40	25	680	0.08	1350	.79	.57	.49
70-IM2-.12	0.12	10%	40	25	640	0.09	1270	.79	.57	.49
70-IM2-.15	0.15	10%	38	25	600	0.1	1200	.79	.57	.49
70-IM2-.18	0.18	10%	35	25	550	0.12	1105	.53	.36	.29
70-IM2-.22	0.22	10%	33	25	510	0.14	1025	.79	.57	.49
70-IM2-.27	0.27	10%	33	25	430	0.16	960	.79	.57	.49
70-IM2-.33	0.33	10%	30	25	410	0.22	815	.79	.57	.49
70-IM2-.39	0.39	10%	30	25	365	0.3	700	.79	.57	.49
70-IM2-.47	0.47	10%	30	25	330	0.35	650	.79	.57	.49
70-IM2-.56	0.56	10%	30	25	300	0.5	545	.79	.57	.49
70-IM2-.68	0.68	10%	28	25	275	0.6	495	.79	.57	.49
70-IM2-.82	0.82	10%	28	25	250	0.85	415	.79	.57	.49
70-IM2-1.0	1.0	10%	25	25	230	1	385	.79	.57	.49
70-IM2-1.2	1.2	10%	25	7.9	150	0.18	590	.97	.70	.60
70-IM2-1.5	1.5	10%	28	7.9	140	0.22	535	.97	.70	.60
70-IM2-2.2	2.2	10%	30	7.9	115	0.4	395	.97	.70	.60
70-IM2-2.7	2.7	10%	37	7.9	100	0.55	355	.97	.70	.60
70-IM2-3.3	3.3	10%	45	7.9	90	0.85	270	.97	.70	.60
70-IM2-3.9	3.9	10%	45	7.9	80	1	250	.97	.70	.60
70-IM2-4.7	4.7	10%	45	7.9	75	1.2	230	.97	.70	.60
70-IM2-5.6	5.6	10%	50	7.9	65	1.8	185	.97	.70	.60
70-IM2-6.8	6.8	10%	50	7.9	60	2	175	.97	.70	.60
70-IM2-8.2	8.2	10%	55	7.9	55	2.7	155	.97	.70	.60
70-IM2-10	10	10%	55	7.9	50	3.7	130	.97	.70	.60
70-IM2-12	12	10%	45	2.5	40	2.7	155	.97	.70	.60
70-IM2-15	15	10%	40	2.5	35	2.8	150	.97	.70	.60
70-IM2-18	18	10%	50	2.5	30	3.1	145	.97	.70	.60
70-IM2-22	22	10%	50	2.5	25	3.3	140	.97	.70	.60
70-IM2-27	27	10%	50	2.5	20	3.5	135	.97	.70	.60
70-IM2-33	33	10%	45	2.5	24	3.4	130	1.03	.74	.64
70-IM2-39	39	10%	45	2.5	22	3.6	125	1.03	.74	.64
70-IM2-47	47	10%	45	2.5	20	4.5	110	1.03	.74	.64
70-IM2-56	56	10%	45	2.5	18	5.7	100	1.03	.74	.64
70-IM2-68	68	10%	50	2.5	15	6.7	92	1.03	.74	.64
70-IM2-82	82	10%	50	2.5	14	7.3	88	1.17	.85	.73
70-IM2-100	100	10%	50	2.5	13	8	84	1.17	.85	.73
70-IM2-120	120	10%	30	0.79	12	13	66	1.17	.85	.73
70-IM2-180	180	10%	30	0.79	10	17	57	1.17	.85	.73
70-IM2-220	220	10%	30	0.79	9	21	52	1.17	.85	.73
70-IM2-270	270	10%	30	0.79	8	25	47	1.29	.93	.80
70-IM2-330	330	10%	30	0.79	7	28	45	1.29	.93	.80
70-IM2-390	390	10%	30	0.79	6.5	35	40	1.29	.93	.80
70-IM2-470	470	10%	30	0.79	6	42	36	1.29	.93	.80
70-IM2-560	560	10%	30	0.79	5	46	35	1.29	.93	.80
70-IM2-680	680	10%	30	0.79	4	60	30	1.29	.93	.80
70-IM2-820	820	10%	30	0.79	3.8	65	29	1.38	1.00	.86
70-IM2-1000	1000	10%	30	0.79	3.4	72	28	1.38	1.00	.86
70-IM4-.15	0.15	10%	50	25	525	0.03	2450	1.06	.77	.66
70-IM4-.33	0.33	10%	45	25	360	0.09	1400	1.06	.77	.66
70-IM4-.47	0.47	10%	45	25	310	0.12	1225	1.06	.77	.66
70-IM4-1.0	1	10%	50	25	200	0.29	785	.85	.62	.53
70-IM4-1.2	1.2	10%	33	7.9	180	0.42	650	.79	.57	.49
70-IM4-1.5	1.5	10%	33	7.9	160	0.5	600	.79	.57	.49
70-IM4-1.8	1.8	10%	33	7.9	150	0.65	525	.79	.57	.49
70-IM4-2.2	2.2	10%	33	7.9	135	0.95	435	.79	.57	.49
70-IM4-2.7	2.7	10%	33	7.9	120	1.2	385	.79	.57	.49
70-IM4-3.3	3.3	10%	33	7.9	110	2	300	.79	.57	.49
70-IM4-3.9	3.9	10%	33	7.9	100	2.3	280	.79	.57	.49
70-IM4-4.7	4.7	10%	33	7.9	90	2.6	260	.79	.57	.49
70-IM4-6.8	6.8	10%	50	7.9	55	0.5	395	.88	.64	.55
70-IM4-10	10	10%	55	7.9	45	0.9	290	.88	.64	.55
70-IM4-12	12	10%	65	2.5	42	1.1	265	.88	.64	.55
70-IM4-15	15	10%	65	2.5	40	1.4	240	.88	.64	.55
70-IM4-18	18	10%	75	2.5	34	2.25	185	.88	.64	.55
70-IM4-22	22	10%	75	2.5	30	2.5	175	.88	.64	.55
70-IM4-33	33	10%	65	2.5	19	3	165	.88	.64	.55
70-IM4-47	47	10%	55	2.5	13	2.75	170	.97	.70	.60
70-IM4-100	100	10%	50	2.5	9.5	4.5	133	.99	.72	.62
70-IM4-220	220	10%	65	0.79	6.2	7.45	103	1.14	.83	.71
70-IM4-240	240	10%	65	0.79	5.9	7.8	101	1.14	.83	.71
70-IM4-470	470	10%	65	0.79	3.9	17.9	100	1.09	.78	.62

IR SERIES EPOXY CONFORMAL COATED INDUCTORS

Specifications:
- Insulation Resistance: 1000MΩ min.
- Dielectric Strength: 1000VAC



Features:
- Flame retardant coating
- Color band identification
- Excellent environmental characteristics
- Comparable in quality to molded chokes at a lower price
- Uniform coating is excellent for automatic insertion
- Epoxy coating is more durable than lacquer coated models, yet is priced comparable

DIMENSIONS: in. (mm)				
Model	A	B	C	D
IR-2	.260 (6.60)	.120 (3.05)	.330 (8.38)	.0200 (0.508)
IR-4	.385 (9.78)	.180 (4.57)	440 (11.18)	.0250 (0.635)

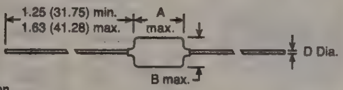
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	10	25
70-IR2-.1	0.1	10%	40	25	680	0.08	1350	.56	.40	.32
70-IR2-.15	0.15	10%	38	25	600	0.1	1200	.56	.40	.32
70-IR2-.22	0.22	10%	33	25	510	0.14	1025	.56	.40	.32
70-IR2-.39	0.39	10%	30	25	365	0.3	700	.56	.40	.32
70-IR2-1.2	1.2	10%	25	7.9	150	0.18	590	.70	.50	.40
70-IR2-1.5	1.5	10%	28	7.9	140	0.22	535	.70	.50	.40
70-IR2-1.8	1.8	10%	30	7.9	125	0.3	455	.70	.50	.40
70-IR2-2.7	2.7	10%	37	7.9	100	0.55	355	.70	.50	.40
70-IR2-3.3	3.3	10%	45	7.9	90	0.85	270	.70	.50	.40
70-IR2-3.9	3.9	10%	45	7.9	80	1	250	.70	.50	.40
70-IR2-6.8	6.8	10%	50	7.9	60	2	175	.70	.50	.40
70-IR2-8.2	8.2	10%	55	7.9	55	2.7	155	.70	.50	.40
70-IR2-10	10	10%	55	7.9	50	3.7	130	.70	.50	.40
70-IR2-12	12	10%	45	2.5	40	2.7	155	.70	.50	.40
70-IR2-27	27	10%	50	2.5	20	3.5	135	.70	.50	.40
70-IR2-47	47	10%	45	2.5	20	4.5	110	.78	.56	.45
70-IR2-56	56	10%	45	2.5	18	5.7	100	.78	.56	.45
70-IR2-1000	1000	10%	30	0.79	3.4	72	28	1.12	.80	.64
70-IR4-.22	0.22	10%	50	25	450	0.055	1810	1.09	.78	.62
70-IR4-5.6	5.6	10%	45	7.9	60	32	495	.64	.46	.37
70-IR4-18	18	10%	75	2.5	34	2.25	185	.64	.46	.37
70-IR4-22	22	10%	75	2.5	30	2.5	175	.64	.46	.37
70-IR4-J-56	56	5%	55	2.5	12	3	164	.73	.52	.42
70-IR4-J-68	68	5%	55	2.5	11	3.3	156	.73	.52	.42
70-IR4-J-100	100	5%	50	2.5	9.5	4.5	133	.78	.56	.45
70-IR4-J-110	110	5%	60	0.79	8.9	4.9	128	.78	.56	.45
70-IR4-J-220	220	5%	65	0.79	6.2	7.45	103	.87	.62	.50
70-IR4-J-1200	1200	5%	30	0.25	2	45.7	63	1.12	.80	.64

IRF SERIES EPOXY CONFORMAL COATED INDUCTORS

DIMENSIONS: in. (mm)

Specifications:
- Insulation Resistance: 1000MΩ min.
- Operating Temperature: -55°C to +105°C



Features:
- Flame retardant coating and color band identification
- Uniform coating is excellent for automatic insertion
- Superior electrical specifications: high Q and self resonant frequency, low DC resistance, high rated current
- Core: Ferrite

Model	A	B	C	D
IRF-1	.260 (6.60)	.120 (3.05)	.330 (8.38)	.0200 (0.508)
IRF-3	.385 (9.78)	.180 (4.57)	.440 (11.18)	.0250 (0.635)

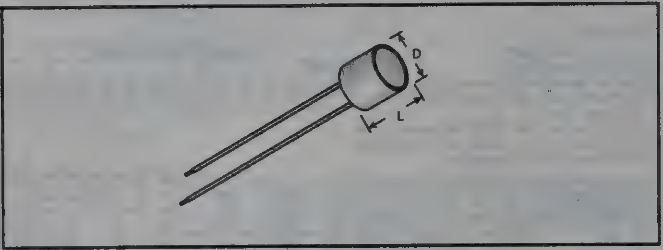
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	L (µH)	Tol. ±	Q Min	Test Freq MHz	SRF Min. MHz	Rdc Max. Ohms	Idc Max mA	Price Each		
								1	10	25
70-IRF1-1.0	1	10%	50	25	180	0.15	815	.62	.44	.35
70-IRF1-1.2	1.2	10%	50	7.9	165	0.18	740	.62	.44	.35
70-IRF1-1.5	1.5	10%	50	7.9	150	0.2	700	.62	.44	.35
70-IRF1-4.7	4.7	10%	50	7.9	75	0.35	530	.62	.44	.35
70-IRF1-5.6	5.6	10%	50	7.9	65	0.4	500	.62	.44	.35
70-IRF1-18	18	10%	50	2.5	30	1	315	.56	.40	.32
70-IRF1-100	100	10%	60	2.5	13	3.5	165	.56	.40	.32
70-IRF1-180	180	10%	60	0.79	4.35	5	140	.56	.40	.32
70-IRF3-.22	0.22	10%	55	25	380	0.1	1400	.56	.40	.32
70-IRF3-1.0	1	10%	55	25	157	0.19	920	.48	.34	.27
70-IRF3-1.8	1.8	10%	55	7.9	121	0.25	790	.48	.34	.27
70-IRF3-2.2	2.2	10%	55	7.9	110	0.28	750	.48	.34	.27
70-IRF3-2.7	2.7	10%	60	7.9	100	0.3	720	.48	.34	.27
70-IRF3-3.3	3.3	10%	65	7.9	94	0.34	670	.48	.34	.27
70-IRF3-4.7	4.7	10%	70	7.9	80	0.39	620	.48	.34	.27
70-IRF3-5.6	5.6	10%	70	7.9	74	0.43	590	.48	.34	.27
70-IRF3-10	10	10%	85	7.9	45	0.58	500	.48	.34	.27
70-IRF3-18	18	10%	65	2.5	34	0.77	430	.48	.34	.27
70-IRF3-22	22	10%	60	2.5	30	0.84	410	.48	.34	.27
70-IRF3-33	33	10%	55	2.5	19	1.03	370	.48	.34	.27
70-IRF3-39	39	10%	50	2.5	14.5	1.12	350	.48	.34	.27
70-IRF3-47	47	10%	45	2.5	13	1.22	340	.48	.34	.27
70-IRF3-100	100	10%	30	2.5	9.5	1.8	275	.50	.36	.29
70-IRF3-220	220	10%	70	0.79	3	5.1	155	.50	.36	.29
70-IRF3-330	330	10%	70	0.79	2.6	6.4	137	.73	.52	.42
70-IRF3-820	820	10%	65	0.79	1.85	10.5	105	.48	.34	.27

XICON Chokes and Coils

ECONOMY ENCAPSULATED RF CHOKES

Miniature fixed inductor wound on a ferrite core and resin encapsulated into a molded plastic case. These RF chokes exhibit excellent moisture resistance and vibration endurance.



For quantities of 2000 and up, call for quote.

Series	Dimensions: in.		Price Each			
	L	D	1	100	500	1000
434-1120	.51	.35	.91	.72	.57	.50
43LH	.55	.41	1.05	.80	.75	.70
43LJ	.63	.5	1.08	.81	.74	.69

434-1120 Series

- Temperature: -25°C to +85°C

MOUSER STOCK NO.	L		Tolerance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
	(μH)	(mH)						
434-1120-330L	33	.033	±15%	30	2.52	9.7	0.35	500
434-1120-680L	68	.068	±15%	30	2.52	7.1	0.6	378
434-1120-101L	100	.100	±15%	50	.796	5.9	1.0	300
434-1120-151L	150	.150	±15%	50	.796	5.0	1.3	300
434-1120-221L	220	.220	±15%	50	.796	4.1	2.0	200
434-1120-561L	560	.560	±15%	50	.796	2.6	4.0	150
434-1120-103K	1000	1.000	±10%	80	.252	1.8	5.5	100
434-1120-123K	1200	1.200	±10%	80	.252	1.6	6.0	100
434-1120-153K	1500	1.500	±10%	80	.252	1.45	7.0	100
434-1120-223K	2200	2.200	±10%	80	.252	1.1	9.0	100
434-1120-393K	3900	3.900	±10%	80	.252	0.74	15.0	87
434-1120-473K	4700	4.700	±10%	80	.252	0.63	20.0	80
434-1120-104K	10,000	10.000	±10%	80	.0796	0.21	40.0	58
434-1120-124K	12,000	12.000	±10%	80	.0796	0.11	45.0	50

43LH Series

- Temperature: -25°C to +85°C

MOUSER STOCK NO.	L		Tolerance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
	(μH)	(mH)						
43LH210	1000	1.0	±10%	60	.252	1.40	2.5	250
43LH212	1200	1.2	±10%	75	.252	1.30	3.0	250
43LH215	1500	1.5	±10%	75	.252	1.10	5.0	150
43LH218	1800	1.8	±10%	75	.252	1.00	5.5	150
43LH222	2200	2.2	±10%	75	.252	0.90	7.0	150
43LH227	2700	2.7	±10%	75	.252	0.80	8.0	150
43LH233	3300	3.3	±10%	75	.252	0.70	9.0	150
43LH239	3900	3.9	±10%	75	.252	0.68	10.0	150
43LH247	4700	4.7	±10%	60	.252	0.65	11.5	100
43LH268	6800	6.8	±10%	45	.252	0.45	16.8	100
43LH282	8200	8.2	±10%	45	.252	0.40	19.5	100
43LH310	10000	10.0	±10%	80	.0796	0.35	34.0	50
43LH322	22000	22.0	±10%	80	.0796	0.25	57.0	50
43LH327	27000	27.0	±10%	80	.0796	0.20	70.0	50
43LH333	33000	33.0	±10%	80	.0796	0.19	75.0	50

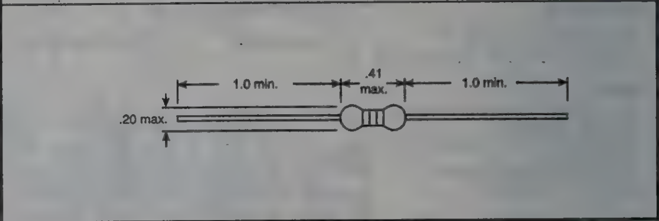
43LJ Series

- Temperature: -25°C to +85°C

MOUSER STOCK NO.	L		Tolerance	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	D.C.R. Max. (Ω)	Max. DC Current (mA)
	(μH)	(mH)						
43LJ310	10000	10.0	±10%	100	.0796	0.30	22.0	100
43LJ315	15000	15.0	±10%	100	.0796	0.20	27.0	100
43LJ318	18000	18.0	±10%	60	.0796	0.19	34.0	100
43LJ322	22000	22.0	±10%	60	.0796	0.18	40.0	100
43LJ327	27000	27.0	±10%	60	.0796	0.17	47.0	100
43LJ333	33000	33.0	±10%	60	.0796	0.16	55.0	80
43LJ347	47000	47.0	±10%	35	.0796	0.13	72.0	80
43LJ356	56000	56.0	±10%	35	.0796	0.12	110.0	50
43LJ368	68000	68.0	±10%	35	.0796	0.11	120.0	50
43LJ382	82000	82.0	±10%	35	.0796	0.09	150.0	50
43LJ410	100000	100.0	±10%	30	.0252	0.08	150.0	30
43LJ412	120000	120.0	±10%	30	.0252	0.07	200.0	30
43LJ415	150000	150.0	±10%	30	.0252	0.06	250.0	30

MINIATURE EPOXY COATED CHOKES

DIMENSIONS: in.



Specifications:
- Smaller than 1/2 watt resistor
- Moisture resistant
- EIA color code

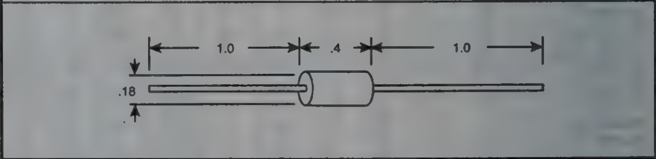
For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
.41	.31	.24	.20

MOUSER STOCK NO.	L (μH)	Tol. ±%	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43LS227	.22	10	50	25.2	300.0	.12	1400
43LS337	.33	10	55	25.2	250.0	.14	1280
43LS477	.47	10	50	25.2	220.0	.17	1150
43LS106	1.00	5	45	25.2	157.0	.21	920
43LS126	1.20	5	50	7.96	144.0	.22	880
43LS156	1.50	5	50	7.96	131.0	.23	830
43LS226	2.20	5	55	7.96	110.0	.28	750
43LS276	2.70	5	60	7.96	100.0	.30	720
43LS336	3.30	5	65	7.96	94.0	.34	670
43LS476	4.70	5	70	7.96	56.0	.39	620
43LS566	5.60	5	70	7.96	50.0	.43	590
43LS686	6.80	5	75	7.96	40.0	.49	550
43LS105	10.00	5	65	7.96	30.0	.63	500
43LS125	12.00	5	55	2.52	25.0	.65	480
43LS155	15.00	5	55	2.52	20.0	.81	460
43LS185	18.00	5	50	2.52	14.0	.82	430
43LS225	22.00	5	50	2.52	9.0	.95	410
43LS275	27.00	5	45	2.52	7.0	1.05	390
43LS335	33.00	5	45	2.52	6.0	1.05	370
43LS395	39.00	5	45	2.52	6.0	1.10	350
43LS475	47.00	5	40	2.52	6.0	1.31	340
43LS685	68.00	5	40	2.52	5.0	1.62	305
43LS825	82.00	5	35	2.52	5.0	1.71	290
43LS104	100.00	5	30	2.52	4.5	2.10	275
43LS154	150.00	5	55	.796	3.0	3.45	175
43LS224	220.00	5	60	.796	2.5	4.54	155
43LS334	330.00	5	60	.796	2.0	6.40	137
43LS474	470.00	5	60	.796	1.9	7.70	126
43LS564	560.00	5	60	.796	1.8	8.50	120
43LS103	1000.00	5	40	.796	1.0	14.00	100

QUALITY MOLDED CHOKES

DIMENSIONS: in.



Specifications:
- Tolerance: ± 3%

For quantities 2000 and up, call for quote.

Price Each			
1	100	500	1000
1.08	.88	.79	.65

MOUSER STOCK NO.	L (μH)	Q Min.	Test Freq. (MHz)	Res. Freq. (MHz)	DCR Max. (Ω)	Max DC Current (mA)
43HG227	0.22	50	25.2	450	.055	1810
43HG827	0.82	50	25.2	200	.29	785
43HG106	1	50	25.2	200	.29	785
43HG226	2.2	33	7.9	135	.95	435
43HG476	4.7	33	7.9	90	2.6	260

Antennas, Ferrite Beads, and Wirewound SMD Inductors

Innovative Service Around the Globe **YAGEO**

SURFACE MOUNT ANTENNAS

Features:

- Simplifies antenna circuitry
- No need for expensive RF connectors
- Water based non-toxic production process
- NiSn lead-free terminations
- Co-fired ceramic technology reduces manufacturing energy consumption
- Suitable for wave and reflow soldering
- Supplied on tape and reel or in bulk package

Applications:

- Telecommunications
- Computing (PCs, printers, PDAs)
- Wireless office data communications including WLAN
- Consumer electronics (wireless headphones)

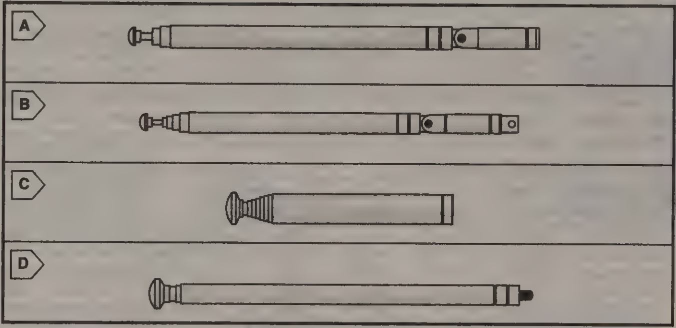
✱✱ Package Bulk Only

✱Antenna has a built-in circuit at Ground Termination. However, Ground Termination is optional if good matching is attainable. If good matching is attainable during application, Ground Termination can be used as NC Solder Termination.

MOUSER STOCK NO.	Yageo Part No.	Bandwidth MHz	Gain (dBi Max.)	Frequency	Price for Each				Reel Quantity	Price Per Piece
					1	10	50	100		
✱240-4311-111-00245	4311-111-00245	100	1.2	2.45 GHz	4.50	3.85	3.53	3.20	1,000	2.59
240-4311-115-00245	4311-115-00245	100	0	2.45 GHz	4.68	4.00	3.67	3.35	1,000	2.69
240-4313-118-00918	4313-118-00918	100	1.5	900 / 1800 MHz	7.65	6.55	6.00	5.45	✱✱	✱✱

XICON

TELESCOPING ANTENNAS



✱48SM026 - Screw for 43AR103 and 43AR106

† 48SM003 - Screw for 43AR105 and 430-1002

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (in.)		Dia. (in.)	Sect.	Thread Size D x P (mm)	Price Each			
		Extended	Collapsed				1	10	100	500
430-1002	A	25.8	7.0	.236	5	3.0 x 0.50†	4.03	3.59	3.30	3.04
430-1415	B	34.6	6.89	.236	6	- - - - -	6.96	6.21	5.69	5.27
43AR103	C	19.8	3.6	.32	8	2.6 x 0.45✱	4.87	4.33	3.52	2.98
43AR104	D	20.5	6.0	.17	4	3.0 x 0.50	2.66	2.36	1.92	1.63
43AR105	C	33.3	5.8	.28	7	3.0 x 0.50†	5.25	4.67	3.79	3.21
43AR106	C	19.0	4.25	.24	6	2.6 x 0.45✱	3.11	2.76	2.25	1.90

XICON™ Passive Components

FERRITE CHIP BEADS

Ferrite Chip Beads provide an effective means of EMI/RFI attenuation for electronic equipment. These items are specially designed for flow, reflow, and wave soldering applications.

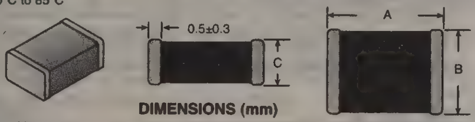
Specifications:

- Impedance tolerance: ±25%
- Operating temperature: -25°C to 85°C
- Storage temperature: -40°C to 85°C

EIA SIZE	Dimensions: mm		
	A	B	C
0805	2.0±0.2	1.25±0.2	0.9±0.2
✱1206	3.2±0.2	1.6±0.2	1.1±0.2
1210	3.2±0.2	2.5±0.2	1.3±0.2
1806	4.5±0.25	1.6±0.2	1.6±0.2
1812	4.5±0.25	3.2±0.2	1.5±0.2

Stock Number: 436-2600 dimension ✱ C = 1.6±0.2

RoHS Compliant



DIMENSIONS (mm)

MOUSER STOCK NO.	EIA Size	Imped. (Ω) @ 100MHz	DCR (Ω) max.	Rated Current (mA) max.	Price Each			Reel Qty.	Reel Price Each
					1	100	500		
436-0110-RC	0603	11	.05	500	.07	.065	.055	4000	.053
436-0190-RC	0603	19	.08	500	.07	.065	.055	4000	.053
436-0300-RC	0603	30	.10	400	.07	.065	.055	4000	.053
436-0400-RC	0603	40	.10	400	.07	.065	.055	4000	.053
436-0600-RC	0603	60	.10	300	.07	.065	.055	4000	.053
436-0800-RC	0603	80	.15	300	.07	.065	.055	4000	.053
436-0121-RC	0603	120	.25	300	.07	.065	.055	4000	.053
436-0221-RC	0603	220	.30	200	.07	.065	.055	4000	.053
436-0301-RC	0603	300	.40	200	.07	.065	.055	4000	.053
436-0451-RC	0603	450	.50	200	.07	.065	.055	4000	.053
436-0601-RC	0603	600	.50	200	.07	.065	.055	4000	.053
436-0751-RC	0603	750	.70	200	.07	.065	.055	4000	.053
436-0102-RC	0603	1000	.70	200	.07	.065	.055	4000	.053
436-0152-RC	0603	1500	1.0	50	.07	.065	.055	4000	.053
436-0222-RC	0603	2200	1.2	50	.09	.085	.065	4000	.053
436-1070-RC	0805	7	.10	600	.09	.085	.065	4000	.053
436-1090-RC	0805	9	.10	600	.09	.085	.065	4000	.053
436-1110-RC	0805	11	.10	600	.09	.085	.065	4000	.042
436-1170-RC	0805	17	.10	600	.09	.085	.065	4000	.053
436-1320-RC	0805	32	.10	600	.09	.085	.065	4000	.053
436-1600-RC	0805	60	.15	500	.09	.085	.065	4000	.053
436-1700-RC	0805	70	.15	500	.09	.085	.065	4000	.053
436-1800-RC	0805	80	.15	500	.09	.085	.065	4000	.053
436-1121-RC	0805	120	.60	200	.09	.085	.065	4000	.042
436-1151-RC	0805	150	.50	300	.09	.085	.065	4000	.042
436-1221-RC	0805	220	.30	300	.09	.085	.065	4000	.053
436-1301-RC	0805	300	.30	300	.09	.085	.065	4000	.053
436-1401-RC	0805	400	.30	300	.09	.085	.065	4000	.053
436-1501-RC	0805	500	.40	300	.09	.085	.065	4000	.053
436-1601-RC	0805	600	1.0	200	.09	.085	.065	4000	.042
436-1751-RC	0805	750	.50	200	.09	.085	.065	4000	.053
436-1102-RC	0805	1000	.50	200	.09	.085	.065	4000	.053
436-1152-RC	0805	1500	.60	200	.09	.085	.065	4000	.053
436-1202-RC	0805	2000	.80	100	.09	.085	.065	4000	.053
436-1222-RC	0805	2200	1.0	100	.09	.085	.065	4000	.053
436-2320-RC	1206	32	.15	500	.09	.085	.065	3000	.042
✱436-2600-RC	1206	60	.50	200	.09	.085	.065	2000	.042
436-2601-RC	1206	600	.40	200	.09	.085	.065	3000	.042
436-3600-RC	1210	60	.30	400	.09	.085	.065	2500	.048
436-4800-RC	1806	80	.30	400	.09	.085	.072	2000	.066
436-4151-RC	1806	150	.50	200	.09	.085	.072	2000	.066
436-5121-RC	1812	120	.40	300	.10	.089	.085	1000	.081

XICON™ Passive Components

1812 MAGNETIC SHIELDED WIREWOUND SMD INDUCTORS

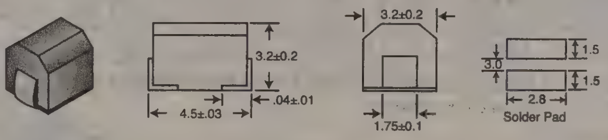
Specifications:

- Temperature rise: 20°C (max.)
- Ambient temperature: 80°C (max.)
- Operating temperature: -20°C to +100°C
- Storage temperature: -40°C to +100°C

Features:

- Very strong solderability
- Can be mounted automatically
- Terminals are highly resistant to pull forces
- Highly resistant to mechanical shocks and pressure

RoHS Compliant



DIMENSIONS: mm

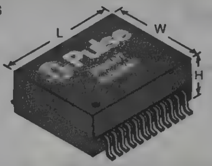
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	L (μH)	Q (min.)	Test Freq. (MHz)	SRF (MHz)	DCR Max. (Ω)	Rated DC (mA)	Price Each			Reel Price Each
							1	10	100	500
435-18-R10M-RC	0.10	28	25.2	700	0.44	450	.49	.39	.27	.17
435-18-R15M-RC	0.15	30	25.2	450	0.25	450	.49	.39	.27	.17
435-18-R22M-RC	0.22	30	25.2	350	0.32	450	.49	.39	.27	.17
435-18-R33M-RC	0.33	30	25.2	300	0.40	450	.49	.39	.27	.17
435-16-R47M-RC	0.47	30	25.2	220	0.50	450	.49	.39	.27	.17
435-18-R68M-RC	0.68	30	25.2	160	0.60	450	.49	.39	.27	.17
435-18-1R0K-RC	1.0	50	7.96	100	0.50	450	.49	.39	.27	.17
435-18-1R2K-RC	1.2	50	7.96	80	0.55	430	.49	.39	.27	.17
435-18-1R5K-RC	1.5	50	7.96	70	0.60	410	.49	.39	.27	.17
435-18-1R8K-RC	1.8	50	7.96	60	0.39	390	.49	.39	.27	.17
435-18-2R2K-RC	2.2	50	7.96	55	0.70	380	.49	.39	.27	.17
435-18-2R7K-RC	2.7	50	7.96	50	0.75	370	.49	.39	.27	.17
435-18-3R3K-RC	3.3	50	7.96	45	0.80	355	.49	.39	.27	.17
435-18-4R7K-RC	4.7	50	7.96	35	1.00	315	.49	.39	.27	.17
435-18-5R6K-RC	5.6	50	7.96	33	1.10	300	.49	.39	.27	.17
435-18-6R8K-RC	6.8	50	7.96	27	1.20	285	.49	.39	.27	.17
435-18-8R2K-RC	8.2	50	7.96	25	1.40	270	.49	.39	.27	.17
435-18-100K-RC	10	50	2.52	20	1.60	250	.49	.39	.27	.17
435-18-120K-RC	12	50	2.52	18	2.00	225	.49	.39	.27	.17
435-18-150K-RC	15	50	2.52	17	2.50	200	.49	.39	.27	.17
435-18-180K-RC	18	50	2.52	15	2.80	190	.49	.39	.27	.17
435-18-220K-RC	22	50	2.52	13	3.20	180	.49	.39	.27	.17
435-18-270K-RC	27	50	2.52	12	3.60	170	.49	.39	.27	.17
435-18-330K-RC	33	50	2.52	11	4.00	160	.49	.39	.27	.17
435-18-470K-RC	47	50	2.52	10	5.00	140	.49	.39	.27	.17
435-18-560K-RC	56	50	2.52	9	5.50	135	.49	.39	.27	.17
435-18-101K-RC	100	40	0.796	7	8.00	110	.49	.39	.27	.17
435-18-151K-RC	150	40	0.796	5	9.00	105	.49	.39	.27	.17
435-18-181K-RC	180	40	0.796	5	9.50	102	.49	.39	.27	.17
435-18-221K-RC	220	40	0.796	4	12.00	100	.49	.39	.27	.17
435-18-331K-RC	330	30	0.796	3	20.00	85	.49	.39	.27	.17
435-18-471K-RC	470	30	0.796	3	26.00	62	.49	.39	.27	.17
435-18-681K-RC	680	30	0.796	2	40.00	50	.49	.39	.27	.17
435-18-102K-RC	1000	30	0.796	2	50.00	30	.49	.39	.27	.17

PULSE LAN Discrete Transformer Modules

1000 BASE-T MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers



Features:

- Designed for long haul Gigabit Ethernet (10/100/1000 Base-T) Applications
- H5008/9 Designed to fit behind 1x1 RJ45 connector
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.ab Standard for 1000 Base-T

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

10/100/1000 Base-T, Single Port

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	5	25	50
673-H5004	H5004	1CT:1CT	24-PIN SOIC	.695	.635	.23	8.85	7.38	5.90	4.60
673-HX5004	HX5004	1CT:1CT	24-PIN SOIC	.695	.635	.23	9.75	8.13	6.50	5.07
673-H5007	H5007	1CT:1CT	24-PIN SOIC	.695	.635	.23	16.49	16.08	15.67	15.26
673-H5062	H5062	1CT:1CT	24-PIN SOIC	.695	.635	.23	9.12	7.60	6.08	4.74

10/100/1000 Base-T, Single Port

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	5	35	50
673-H5008	H5008	1CT:1CT	24-PIN SOIC	.557	.75	.235	9.30	7.75	6.20	4.84
673-HX5008	HX5008	1CT:1CT	24-PIN SOIC	.557	.75	.235	10.56	8.80	7.04	5.49
673-H5009	H5009	1CT:1CT	24-PIN SOIC	.557	.75	.235	8.55	7.13	5.70	4.45

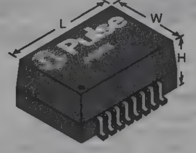
10/100/1000 Base-T, Dual Port

For quantities of 600 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	15	60	120
673-H5012	H5012	1CT:1CT	48-PIN	1.095	.6	.285	14.85	12.38	9.90	8.66
673-H5014	H5014	1CT:1CT	48-PIN	1.095	.6	.285	13.95	11.63	9.30	8.14
673-HX5014	HX5014	1CT:1CT	48-PIN	1.095	.6	.285	15.35	12.79	10.23	8.95
673-H5020	H5020	1CT:1CT	50-PIN	1.095	.43	.34	13.95	11.63	9.30	8.14
673-HX5020	HX5020	1CT:1CT	50-PIN	1.095	.43	.34	15.35	12.79	10.23	8.95

GIGABIT DUAL TRANSFORMERS

For use with 150Ω Twinax Cable



Features:

- Compliant with ANSI X3T9.5, FC-PH-3 Fibre Channel Physical Layer Specification
- Compliant with IEEE 802.3z PMD
- Designed for fast rise-time and a low frequency cutoff of 2.5 MHz
- IC grade transfer-molded withstands 235°C peak temperature profile

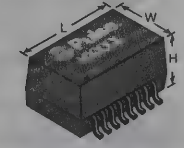
L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	5	35	70
673-A6801	A6801	1CT:1CT	16-PIN SOIC	.5	.295	.22	4.53	3.78	3.02	2.36
673-A6802	A6802	1:1	16-PIN SOIC	.5	.295	.22	4.53	3.78	3.02	2.36

10/100 BASE-TX SINGLE PORT TRANSFORMER MODULES

With 1:1 Transmit Turns Ratios



Features:

- Compact symmetrical size facilitates chip shooter placement and reduces manufacturing time
- IEEE 802.3 and ANSI X3.263 compliant including 350μH OCL with 8mA bias
- IC grade transfer-molded package withstands temperatures over 235°C
- Patented interlock base construction for high reliability

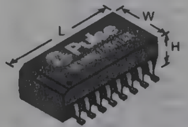
L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	5	35	70
673-H1112	H1112	1CT:1CT	12-PIN SMT	.589	.588	.197	3.39	2.83	2.26	1.76
673-H1012	H1012	1CT:1CT	16-PIN SMT	1	.505	.235	5.90	4.75	4.45	4.15
673-H1141	H1141	1CT:1CT	16-PIN SMT	.495	.6	.23	4.65	3.88	3.10	2.42
673-HX1198	HX1198	1CT:1CT	16-PIN SOIC	.5	.38	.235	3.56	3.41	3.27	3.12
673-H1267	H1267	1CT:1CT	24-PIN SMT	.69	.48	.225	3.00	2.50	2.00	1.56
673-H0009	H0009	1CT:1CT	PCMCIA	.56	.67	.078	4.80	4.00	3.20	2.50

10/100 BASE-TX SINGLE PORT TRANSFORMER MODULES

With Various Transmit Turns Ratios



Features:

- Patented Interlock Base Design
- Meets all IEEE 802.3 and ANSI X3.263 standards including 350μH OCL with 8mA bias
- IC grade transfer-molded package withstands temperatures over 235°C
- Various pinout options available for optimal board layout

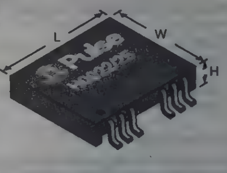
L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	5	25	50
673-H1038	H1038	2CT:1CT	16-PIN SMT	1	.51	0.23	4.68	3.90	3.12	2.43
673-H1089	H1089	1CT:1CT	16-PIN SMT	1	.51	.23	3.90	3.25	2.60	2.03
673-HX1148	HX1148	1CT:1CT	16-PIN SMT	1	.525	.235	6.18	5.15	4.12	3.21
673-HX1178	HX1178	1CT:1C	16-PIN SMT	1	.525	.235	5.70	4.75	3.80	2.96
673-ST6118T	ST6118T	1CT:1CT	16-PIN SMT	.998	.515	.242	3.54	2.95	2.36	1.84
673-ST6122T	ST6122T	1.4CT:1CT	16-PIN SMT	.998	.515	.242	4.65	3.88	3.10	2.42
673-ST6129T	ST6129T	2CT:1CT	16-PIN SMT	.998	.515	.242	4.65	3.88	3.10	2.42

10/100 BASE-T SINGLE PORT SURFACE MOUNT MAGNETICS MODULES

With Various Turns Ratios



Features:

- Meets IEEE 802.3 and ANSI X3.263 Standards including 350μH OCL with 8mA bias
- Designed for reflow soldering at temperatures up to 235°C
- Compact footprint for use in the most space-restrictive applications

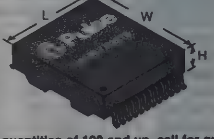
L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	20	40	120
673-H1102	H1102	1CT:1CT	16-PIN SOIC	.5	.37	.235	2.50	2.40	2.30	2.20
673-H1100	H1100	2CT:1CT	16-PIN SOIC	.5	.38	.235	3.15	2.63	2.10	1.64
673-H1199	H1199	1CT:1CT	16-PIN SOIC	.5	.38	.235	3.51	2.93	2.34	1.83
673-H1260	H1260	1CT:1CT	16-PIN SOIC	.5	.38	.235	2.85	2.38	1.90	1.48
673-HX1188	HX1188	1CT:1CT	16-PIN SOIC	.5	.38	.235	3.45	2.88	2.30	1.79
673-H0019	H0019	1CT:1CT	PCMCIA	.5	.38	.084	4.95	4.55	3.64	2.84
673-H0022	H0022	1CT:1CT	PCMCIA	.465	.45	.085	5.46	4.55	3.64	2.84
673-H0025	H0025	1CT:1CT	PCMCIA	.475	.45	.085	5.22	4.35	3.48	2.71

10/100 BASE-T DUAL PORT TRANSFER MODULES

For use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratio



Features:

- Compliant with IEEE 802.3 and ANSI X3.263 Standards including 350μH OCL with 8mA bias
- Modules designed to support two RJ45 connectors
- Some models offer AutoMDIX cabability

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

10/100 Base-TX, Dual Port

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	15	35	70
673-H1174	H1174	1CT:1CT	24-PIN	.515	.59	.145	6.00	5.75	5.50	5.25
673-H1270	H1270	1CT:1CT	24-PIN	.515	.59	.145	5.70	4.75	3.80	2.96

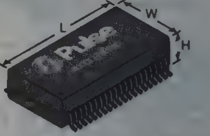
10/100 Base-TX, Dual Port

For quantities of 300 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	15	75	150
673-H1028	H1028	1CT:1CT	40-PIN SOIC	1.125	.64	.23	7.92	6.60	5.28	4.62
673-H1200	H1200	1CT:1CT	40-PIN SOIC	1.125	.64	.23	5.25	4.38	3.50	3.06

10/100 BASE-TX QUAD PORT TRANSFORMER MODULES

For use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratios



Features:

- Patented Interlock Design
- Compliant with IEEE 802.3u and ANSI X3.263 Standards
- Models designed to support two RJ45 connectors
- IC grade transfer-molded package withstands 235°C peak temperature profile

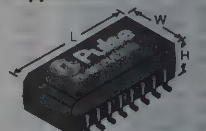
L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	20	40	120
673-H1036L	H1036L	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1044	H1044	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1053	H1053	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1060	H1060	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1062	H1062	1CT:1CT	40-PIN SOIC	1.125	.64	.23	9.15	7.63	6.10	5.34
673-H1069	H1069	2CT:1CT	40-PIN SOIC	1.125	.64	.23	9.60	8.00	6.40	5.60
673-H1074	H1074	2CT:1CT	40-PIN SOIC	1.125	.64	.23	9.60	8.00	6.40	5.60
673-H1140	H1140	1CT:1CT	40-PIN SOIC	1.125	.64	.28	10.35	8.63	6.90	6.04
673-H1164	H1164	1CT:1CT	40-PIN SOIC	1.125	.64	.23	7.10	5.68	5.11	4.60
673-H1259	H1259	1CT:1CT	40-PIN SOIC	1.125	.64	.23	8.70	7.25	5.80	5.08
673-H1266	H1266	1CT:1CT	40-PIN SOIC	1.125	.64	.23	8.70	7.25	5.80	5.08
673-HX1203	HX1203	1CT:1CT	40-PIN SOIC	1.125	.64	.28	9.87	8.23	6.58	5.76
673-HX1240	HX1240	1CT:1CT	40-PIN SOIC	1.125	.64	.28	11.10	9.25	7.40	6.48
673-HX1234	HX1234	1CT:1CT	40-PIN SOIC	1.125	.64	.28	9.75	8.13	6.50	5.69
673-HX1236	HX1236	1CT:1CT	40-PIN SOIC	1.125	.64	.28	9.93	8.28	6.62	5.79

SURFACE MOUNT 10 BASE-T INTERFACE MODULES

Fully Integrated for Adapter, Hub, and Motherboard Applications



Features:

- Low profile surface mount package
- E2000 Series Designed for AMD, DEC, LSI, Motorola, and National tranceivers
- IC grade transfer-molded package withstands 235°C peak temperature performance

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

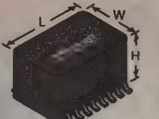
MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	5	25	50
673-E2003	E2003	1CT:1CT	16-PIN SMT	1	.5	.23	5.28	4.40	3.52	2.75
673-PE-68026	PE-68026	1CT:1CT	16-PIN SMT	.93	.51	.23	6.93	6.47	6.24	6.01
673-E2009	E2009	1:1.41CT	16-PIN SMT	1	.5	.23	5.46	4.55	3.64	2.84

PULSE LAN Discrete & Current Sense Transformer Modules

10 BASE-T SINGLE PORT TRANSFORMER / CHOKE MODULES

Features:

- Family of parts - common footprint and pinout with a choice of filtering for customized EMI performance
- IC grade transfer-molded package withstands 235°C peak temperature performance



L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	20	40	120
673-ST7010T	ST7010T	1CT:1.4CT	16-PIN SOIC	.457	.375	.233	8.03	7.14	6.42	5.84
673-ST4202T	ST4202T	1CT:2CT	16-PIN SOIC	.447	.36	.223	3.21	2.68	2.14	1.67

10 BASE-T QUAD SMT TRANSFORMER MODULES

Features:

- Family of parts - common footprint and pinout with a choice of filtering for customized EMI performance
- IC grade transfer-molded package withstands 235°C peak temperature performance
- Space-efficient - 12 ports across 3.6 inches for optimal PCB layout

L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 300 and up, call for quote.

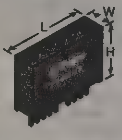
MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	15	75	150
673-E5002	E5002	1CT:2CT	40-PIN SOIC	1.125	.64	.28	8.43	7.03	5.62	4.92
673-PE-68049L	PE-68049L	1CT:1CT	40-PIN SOIC	1.125	.64	.28	7.80	6.50	5.20	4.55
673-PE-68062L	PE-68062L	T,C	40-PIN SOIC	1.125	.64	.28	7.80	6.50	5.20	4.55

10 BASE-T QUAD SMT TRANSFORMER MODULES

For 802.3 10 Base-T LAN Applications

Features:

- Meet or exceed IEEE 802.3 10 Base-T Specifications
- For MAUs, Hubs, and Motherboard Applications
- High performance for maximum EMI suppression
- Minimum 1500 Vrms isolation per IEEE 802.3 requirement
- Compatible with multiple 10 Base-T Chips



L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 300 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	15	75	150
673-PE-68017S	PE-68017S	1CT:1CT	10-PIN SIL	1	.21	.45	4.68	3.90	3.12	2.73

For quantities of 100 and up, call for quote.

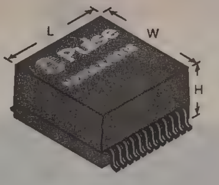
MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	5	25	50
673-FL1012	FL1012	1CT:1CT	16-PIN THT	1.01	.4	.338	3.24	3.08	2.92	2.52

POWER OVER ETHERNET MAGNETIC MODULES

10/100 Base-TX VoIP (PoE) Magnetics

Features:

- IEEE 802.3af/ANSI X3.063 compliant performance
- Suitable for End-span and Mid-span PoE applications
- 350mA Current capability
- Designed for IP phone or switch applications
- Compact footprint
- Some models offer AutoMDIX capability



L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	15	35	70
673-H2005A	H2005A	1CT:1CT	24-PIN SOIC	.515	.745	.285	6.00	5.00	4.00	3.12
673-H2006A	H2006A	1CT:1CT	24-PIN SOIC	.542	.595	.25	5.16	4.30	3.44	2.68
673-H2008	H2008	1CT:1CT	24-PIN SOIC	.542	.595	.25	5.31	4.43	3.54	2.76
673-H2009	H2009	1CT:1CT	24-PIN SOIC	.523	.737	.246	7.20	6.00	4.80	3.74
673-H2014	H2014	1CT:1CT	48-PIN	1.095	.6	.285	11.55	9.63	9.16	8.66

For quantities of 200 and up, call for quote.

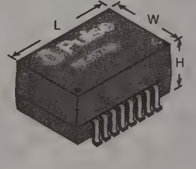
MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	20	40	120
673-H2019	H2019	1CT:1CT	16-PIN SOIC	.5	.37	.235	5.16	4.30	3.44	2.68

ISOLATION TRANSFORMER FOR ETHERNET

AUI Transformer

Features:

- Low leakage inductance and coupling capacitance for faster rise times
- Small form factor, 50 mil lead spacing



L/W/H are maximum dimensions. Width is measured on surface mount parts pin-tip to pin-tip. Height includes wash area.

For quantities of 200 and up, call for quote.

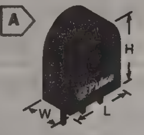
MOUSER STOCK NO.	Pulse Part No.	Turns Ratio	Package Style	Dimensions: in.			Price Each			
				L	W	H	1	20	40	120
673-PE-65728	PE-65728	1:01:01	16-PIN SOIC	.5	.37	.2	2.72	2.59	2.45	2.18

THT CURRENT SENSE TRANSFORMERS

Features:

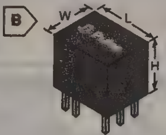
- Designed for switching power supply applications
- Transformer meets IEC950 insulation requirements
- Frequency range from 20kHz to 200kHz

A



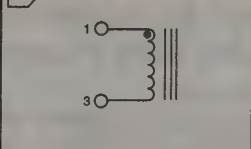
Inductor

B

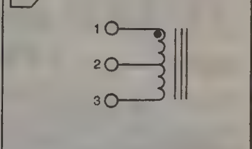


Transformer

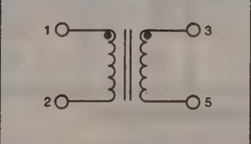
1



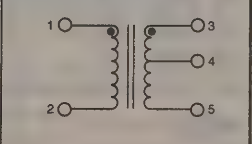
2



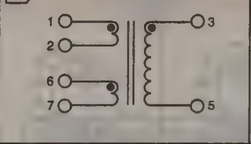
3



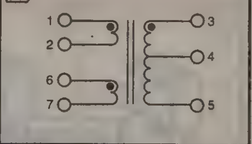
4



5



6



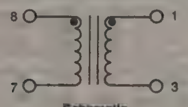
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Pulse Part No.	Fig.	Current (A)	Turns Ratio	Isolation (Vrms)	Max. Dimensions: mm			Price Each			
						L	W	H	1	20	100	250
673-PE-51686	PE-51686	A1	20	50	3750	16.6	9.9	20.3	3.50	3.15	2.80	2.63
673-PE-51687	PE-51687	A1	20	100	3750	16.6	9.9	20.3	3.55	3.20	2.84	2.67
673-PE-51688	PE-51688	A1	20	200	3750	16.6	9.9	20.3	3.71	3.34	2.97	2.79
673-PE-51717	PE-51717	A2	20	50CT	3750	16.6	9.9	20.3	2.80	2.10	1.40	1.30
673-PE-51718	PE-51718	A2	20	100CT	3750	16.6	9.9	20.3	2.88	2.16	1.44	1.34
673-PE-51719	PE-51719	A2	20	200CT	3750	16.6	9.9	20.3	3.71	3.34	2.97	2.79
673-PE-63586	PE-63586	B3	20	50:1	3750	22.9	17.8	17.8	3.28	2.46	1.64	1.53
673-PE-63587	PE-63587	B3	20	100:1	3750	22.9	17.8	17.8	3.28	2.46	1.64	1.53
673-PE-63588	PE-63588	B3	20	200:1	3750	22.9	17.8	17.8	3.48	2.61	1.74	1.62
673-PE-63618	PE-63618	B4	20	100CT:1	3750	22.9	17.8	17.8	3.40	2.55	1.70	1.58
673-PE-63619	PE-63619	B4	20	200CT:1	3750	22.9	17.8	17.8	3.56	2.67	1.78	1.66
673-PE-63691	PE-63691	B4	20	300CT:1	3750	22.9	17.8	17.8	4.40	3.30	2.20	2.05
673-PE-64487	PE-64487	B5	20	100:1:1	3750	22.9	17.8	17.8	5.20	3.90	2.60	2.42
673-PE-64488	PE-64488	B5	20	200:1:1	3750	22.9	17.8	17.8	5.40	4.05	2.70	2.51
673-PE-64517	PE-64517	B6	20	50CT:1	3750	22.9	17.8	17.8	5.08	3.81	2.54	2.36
673-PE-64518	PE-64518	B6	20	100CT:1:1	3750	22.9	17.8	17.8	5.16	3.87	2.58	2.40
673-PE-64519	PE-64519	B6	20	200CT:1:1	3750	22.9	17.8	17.8	5.28	3.96	2.64	2.46

SMT CURRENT SENSE TRANSFORMERS

Features:

- Footprint: 8.4mm x 7.2mm Max.
- Current Rating: up to 10A
- Frequency Range: 50kHz to 1MHz

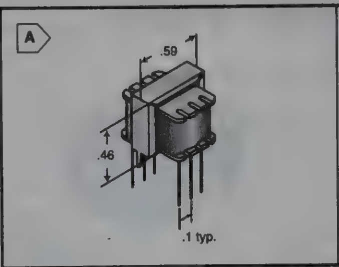


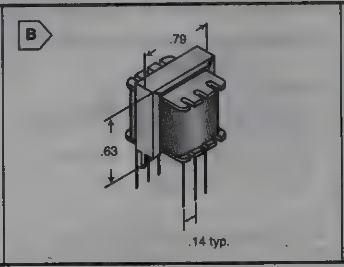
Schematic

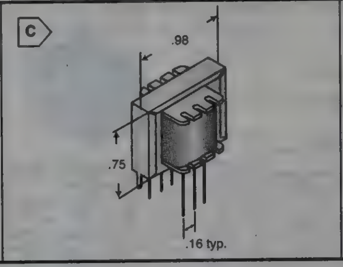
For quantities of 500 and up, call for quote.

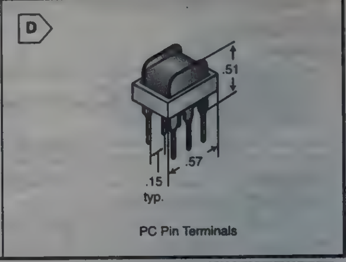
MOUSER STOCK NO.	Pulse Part No.	Current (A)	Turns Ratio	Isolation (Vrms)	Max. Dimensions: mm			Price Each			
					L	W	H	1	20	100	250
673-P8202	P8202	10	1:20	500	8.4	7.2	5.1	2.00	1.50	1.00	.93
673-P8203	P8203	10	1:30	500	8.4	7.2	5.1	2.00	1.50	1.00	.93
673-P8204	P8204	10	1:40	500	8.4	7.2	5.1	2.16	1.62	1.08	1.00
673-P8206	P8206	10	1:60	500	8.4	7.2	5.1	2.16	1.62	1.08	1.00
673-P8207	P8207	10	1:70	500	8.4	7.2	5.1	2.16	1.62	1.08	1.00
673-P8209	P8209	10	1:125	500	8.4	7.2	5.1	2.16	1.62	1.08	1.00
673-P8205	P8205	10	1:50	500	8.4	7.2	5.1	2.40	1.95	1.50	1.20
673-P8208	P8208	10	1:100	500	8.4	7.2	5.1	3.05	2.68	2.30	2.10

XICON Audio and I.F. Transformers









PC Pin Terminals

DIMENSIONS: In.

PC LEADS

RoHS Compliant

∗ Dual Secondaries

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance (Ω)		Resistance (Ω)		Application (Typical)	Price Each			
		Pri.	Sec.	Pri.	Sec.		1	100	500	1000
Ultraminiature Core Type EI-14, 75mW Max Output										
42TL030-RC	A	100 CT	100 CT	10.9	9.10	Coupling	1.70	1.36	1.15	1.03
42TL004-RC	A	200 CT	8 CT	12	1	Output	1.70	1.36	1.15	1.03
42TL023-RC	A	300 CT	600 CT	30	35	Coupling	1.56	1.24	1.05	.94
42TL001-RC	A	500 CT	8 CT	35	1	Output	1.70	1.36	1.15	1.03
42TL009-RC	A	500 CT	500 CT	40	38	Interstage	1.70	1.36	1.15	1.03
42TL031-RC	A	600 CT	100 CT	42.8	20.2	Coupling	1.56	1.24	1.05	.94
42TL016-RC	A	600 CT	600 CT	65	55	Coupling	1.37	1.14	1.04	.90
42TL008-RC	A	800 CT	8 CT	40	1	Output	1.70	1.36	1.15	1.03
42TL013-RC	A	1K CT	8 CT	60	1	Output	1.56	1.24	1.05	.94
42TL027-RC	A	1K CT	2K CT	130	140	Coupling	1.56	1.24	1.05	.94
42TL003-RC	A	1.2K CT	8 CT	80	1	Output	1.70	1.36	1.15	1.03
42TL022-RC	A	1.5K CT	600 CT	125	55	Coupling	1.56	1.24	1.05	.94
42TL021-RC	A	4K CT	600 CT	148	64	Coupling	1.70	1.36	1.15	1.03
42TL018-RC	A	7K CT	10K CT	400	385	Interstage	2.04	1.63	1.38	1.24
42TL019-RC	A	10K CT	600 CT	450	100	Coupling	1.79	1.62	1.45	1.36
42TL002-RC	A	10K CT	2K CT	500	200	Driver	1.79	1.62	1.45	1.36
42TL012-RC	A	10K CT	5K CT	900	500	Interstage	2.70	2.52	2.25	2.12
42TL218-RC	A	10K CT	10K CT	715	583	Interstage	2.25	2.13	1.93	1.80
∗42TL017-RC	A	20K CT	600 CT	693	66	Coupling	1.86	1.62	1.45	1.36
Core Type EI-19, 200mW Max Output										
42TM030-RC	B	100 CT	100 CT	9.25	7.80	Coupling	1.73	1.44	1.31	1.14
42TM004-RC	B	200 CT	8 CT	12	1	Output	1.73	1.44	1.31	1.14
42TM001-RC	B	500 CT	8 CT	26	1	Output	1.73	1.44	1.31	1.14
42TM026-RC	B	500 CT	16 CT	50	5	Output	1.73	1.44	1.31	1.14
42TM009-RC	B	500 CT	500 CT	50	40	Interstage	1.73	1.44	1.31	1.14
42TM023-RC	B	600 CT	300 CT	55	30	Coupling	1.73	1.44	1.31	1.14
42TM016-RC	B	600 CT	600 CT	65	55	Coupling	1.73	1.44	1.31	1.14
42TM008-RC	B	800 CT	8 CT	40	1	Output	1.73	1.44	1.31	1.14
42TM013-RC	B	1K CT	8 CT	75	1	Output	1.73	1.44	1.31	1.14
42TM003-RC	B	1.2K CT	8 CT	80	1	Output	1.73	1.44	1.31	1.14
42TM011-RC	B	1.5K CT	500 CT	120	50	Interstage	1.73	1.44	1.31	1.14

PC LEADS (CONT.)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance (Ω)		Resistance (Ω)		Application (Typical)	Price Each			
		Pri.	Sec.	Pri.	Sec.		1	100	500	1000
Core Type EI-19, 200mW Max Output Cont.										
42TM022-RC	B	1.5K CT	600 CT	65	45	Coupling	1.73	1.44	1.31	1.14
42TM021-RC	B	4K CT	600 CT	244	77	Coupling	1.73	1.44	1.31	1.14
42TM114-RC	B	4.6K CT	20 CT	300	2	Input	1.73	1.44	1.31	1.14
42TM024-RC	B	10K CT	500 CT	550	150	Coupling	1.91	1.59	1.45	1.26
42TM019-RC	B	10K CT	600 CT	600	100	Coupling	1.91	1.59	1.45	1.26
42TM002-RC	B	10K CT	2K CT	600	155	Driver	1.91	1.59	1.45	1.26
42TM018-RC	B	10K CT	10K CT	550	500	Interstage	1.91	1.59	1.45	1.26
42TM006-RC	B	20K CT	1K CT	900	70	Interstage	1.91	1.59	1.45	1.26
42TM017-RC	B	25K CT	600 CT	1000	80	Coupling	1.91	1.59	1.45	1.26
42TM117-RC	B	50K CT	1K CT	1.2K	42	Input	1.91	1.59	1.45	1.26
Dual Secondary Core Type EI-19, 200mW Max Output										
∗42TM028-RC	B	600 CT	600/600	78	65/60	Coupling	1.89	1.71	1.53	1.40
Miniature Core Type EI-24, 400mW Max Output										
42TU048-RC	C	48 CT	8 CT	2.5	.5	Output	2.19	1.82	1.66	1.44
42TU120-RC	C	120 CT	8CT	7	.7	Output	2.19	1.82	1.66	1.44
42TU200-RC	C	200 CT	8 CT	12	.5	Output	2.19	1.82	1.66	1.44
42TU400-RC	C	500 CT	8 CT	18	.7	Output	2.19	1.82	1.66	1.44
42TU500-RC	C	500 CT	500 CT	35	28	Interstage	2.19	1.82	1.66	1.44
42TU016-RC	C	600 CT	600 CT	65	55	Coupling	2.19	1.82	1.66	1.44
42TU008-RC	C	800 CT	8 CT	40	1	Output	2.19	1.82	1.66	1.44
42TU013-RC	C	1K CT	8 CT	75	1	Output	2.19	1.82	1.66	1.44
42TU003-RC	C	1.2K CT	8 CT	75	1	Output	2.19	1.82	1.66	1.44
42TU011-RC	C	1.5K CT	500 CT	120	50	Interstage	2.19	1.82	1.66	1.44
42TU019-RC	C	10K CT	600 CT	600	100	Coupling	2.19	1.82	1.66	1.44
42TU002-RC	C	10K CT	2K CT	600	155	Driver	2.19	1.82	1.66	1.44
42TU012-RC	C	10K CT	5K CT	425	220	Interstage	2.19	1.82	1.66	1.44

PC Pin Terminals

Microminiature Core Type EI-14, 75mW Max Output										
42XL016-RC	D	600 CT	600 CT	65	55	Coupling	1.72	1.57	1.40	1.25
42XL003-RC	D	1.2K CT	8 CT	80	1	Output	1.72	1.57	1.40	1.25

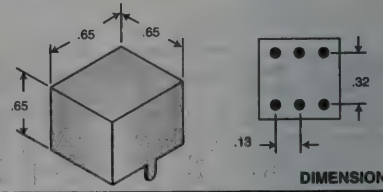
SHIELDED AUDIO TRANSFORMERS MICROMINIATURE CORE TYPE EI-14, 75μW MAX OUTPUT

Epoxy encapsulated. Metal shielded to reduce magnetic cross coupling and electrostatic fields.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Impedance (Ω)		Resistance (Ω)		Application (typical)	Price Each			
	Primary	Secondary	Primary	Secondary		1	100	500	1000
429-7201-RC	500 CT	8 CT	35	1	Output	2.85	2.38	2.16	1.88
429-7209-RC	500 CT	500 CT	40	38	Interstage	2.85	2.38	2.16	1.88
429-7216-RC	600 CT	600 CT	65	55	Coupling	2.85	2.38	2.16	1.88
429-7218-RC	7K CT	10K CT	400	385	Interstage	2.85	2.38	2.16	1.88
429-7202-RC	10K CT	2K CT	580	200	Driver	2.85	2.38	2.16	1.88

RoHS Compliant

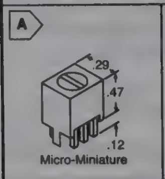


DIMENSIONS: In.

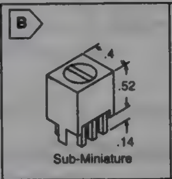
I.F. TRANSFORMERS

- I.F.: Intermediate Frequency

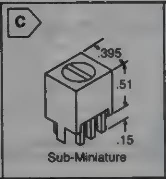
DIMENSIONS: In.



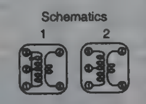
Micro-Miniature



Sub-Miniature



Sub-Miniature



Micro-Miniature PC Mounting

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance Pri : Sec	Application (Typical)	Cap Color	Schem.	Turns Ratio Pri : Sec	Price Each			
							1	10	100	500
455kHz										
42IF201-RC	A	50K : 500	1st IF	Yel	1	22 : 1	1.16	.97	.88	.80
42IF202-RC	A	30K : 500	2nd IF	White	1	22 : 1	1.16	.97	.88	.80
42IF203-RC	A	20K : 5K	3rd IF	Black	1	8 : 1	1.16	.97	.88	.80
10.7MHz										
42IF222-RC	A	1K : 300	2nd & 3rd IF	Org	1	8 : 1	1.21	1.00	.91	.83
42IF223-RC	A	25K : 1K	1st IF	Green	1	8 : 1	1.21	1.00	.91	.83

Sub-Miniature PC Mounting

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance Pri : Sec	Application (Typical)	Cap Color	Schem.	Turns Ratio Pri : Sec	Price Each			
							1	10	100	500
455kHz										
42IF101-RC	C	60K : 600	1st IF	Yel	1	22 : 1	.94	.86	.78	.72
42IF301-RC	B	50K : 500	1st IF	Yel	1	20 : 1	1.11	.93	.84	.77
42IF102-RC	C	30K : 500	2nd IF	White	1	22 : 1	.94	.86	.78	.72
42IF302-RC	B	30K : 500	2nd IF	White	1	22 : 1	1.11	.93	.84	.77
42IF103-RC	C	20K : 6K	3rd IF	Black	1	6 : 1	.94	.86	.78	.72
42IF303-RC	B	20K : 5K	3rd IF	Black	1	7 : 1	1.11	.93	.84	.77
796kHz										
42IF300-RC	B	Osc.	Tuning	Red	2	10 : 1	1.11	.93	.84	.77
42IF100-RC	C	Osc.	Tuning	Red	2	13 : 1	.94	.86	.78	.72
42IF110-RC	C	Osc.	Tuning	Red	2	35 : 1	.94	.86	.78	.72
10.7 MHz										
42IF122-RC	C	15K : 300	2nd & 3rd IF	Brown	1	14 : 1	.94	.86	.78	.72
42IF123-RC	C	25K : 4K	1st IF	Green	1	7 : 1	.94	.86	.78	.72
Variable Frequency (Capacitor-less)										
42IF104-RC	C	50K : 500	1st IF	Yel	2	22 : 1	.94	.86	.78	.72
42IF106-RC	C	20K : 5K	3rd IF	Black	2	6 : 1	.94	.86	.78	.72
42IF124-RC	C	15K : 300	2nd & 3rd IF	Org	2	14 : 1	.94	.86	.78	.72

Sponsored by:

FLX Series
Board to Cable Connectors
LVDS-Low Voltage Differential Signal Technology, 1.0mm Pitch, 1.85mm Height
Pg. 1258
Leading Edge Interconnect Technologies
Technology to Inspire Innovation
JAE
FF02 Series
Board-to-Flex Connectors
LVDS-Low Voltage Differential Signal Technology, 0.3mm Pitch, [illegible] Height
Pg. 1256

JB5 Series
Circular Connectors
IP68 Rating, Small Size, Push-Pull Mating
Pg. 1144

KX14/KX15 Series
Board-to-Board Connectors
0.8mm Pitch, Parallel/Vertical, SMT
Pg. 1258

DD1 Series
I/O Connectors
0.5mm Pitch, USB 2.0 Compliant
Pg. 1060

SF9 Series
SIM Card Connectors
Compatible with GSM11.11 Standards
Pg. 1260

ST2 Series
Memory Card Connectors microSD
Low Profile One Piece
Pg. 1260

As a global leader in interconnect products, JAE Electronics offers a wide selection of connectors ranging from circular, board-to-board, FPC, wire-to-board, input/output, memory card, and automotive grade connectors. JAE is known for delivering quality, leading-edge technology products to a wide range of markets.

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser! For more information about our extensive line of JAE products, visit *www.mouser.com/jae* today to easily buy online!

www.mouser.com/jae (800) 346-6873

MOUSER® ELECTRONICS
a tti company

The Newest Products
For Your Newest Designs

The NEWEST Semiconductors | Passives | Interconnects | Power | Electromechanical | Test, Tools & Supplies from Mouser Electronics

WIRE AND CABLE

Wire & Cable Mgmt.

Cable Ties, Duct, Identification, Mounting

3M 873
Avery Dennison 874
Eagle Plastic Devices 875-878
Panduit 879-884
Wiremold 885

Tubing

Alpha Wire 886-891
Weller 889
Panduit 889
Heyco 892
Qualtek 893
Raychem/Tyco Electronics 894, 895
3M 896

Wire & Cable

3M 897-900
Kobiconn 900
Amphenol 901
Alpha Wire 902-914
Belden 915-931

Cable Assemblies

3M 932
AMP/Tyco Electronics 933, 934
Belden 935
AIM/Cambridge 936, 937
Johnson Components 938-942
Kobiconn 943
Molex 944-946
Qualtek 947

INTERCONNECTS

AC Power Connectors

Power Cords, Power Entry Modules, Power Filters, Power Outlets and Inlets

Qualtek 948, 955, 956, 969
Volex 949, 950
Kobiconn 951-953
Bulgin 953, 954
Corcom/Tyco Electronics 957, 958
Schaffner 959
Schurter 960-968

DC Power Connectors

Kobiconn 970-972
Kycon 973

Audio / Video Connectors

Audio Connectors, Adapters, Banana, DIN, Phone, Phono, and XLR

Kycon 974
Neutrik 975, 991-994
Switchcraft 976, 981, 982, 989, 990
Kobiconn 977-980, 996
Deltron 983, 984, 995
AIM/Cambridge 985
Pomona 986-988
Johnson Components 997, 998

RF Connectors

AMP/Tyco Electronics 999-1004
Amphenol 1005-1018
Bomar Interconnect 1019-1021
AIM/Cambridge 1022, 1023
Johnson Components 1024-1028
Kobiconn 1029
Molex 1030
Pomona 1031, 1032

Data Network / Telecom Connectors

Modular, IEEE1394/Firewire, USB, DVI, Ethernet, InfiniBand, HDMI, and SATA

AMP/Tyco Electronics .... 1033, 1034, 1053, ... 1056, 1064, 1072, 1073
Amphenol 1035, 1047-1052, 1061, 1062
FCI 1035, 1071
Kobiconn 1036, 1042
Molex 1037, 1045, 1056, 1065-1069
Pulse 1038
Kycon 1039-1041
Mill-Max 1042
Neutrik 1043
EDAC 1044, 1060
Adam Tech 1046
HARTING 1054, 1055, 1075
Phoenix Contact 1057
Bulgin 1058, 1059
JAE 1060
Fujitsu 1063
3M 1070
CONEC 1074
Spectrum Control Inc. 1076

"D" Connectors

D-Sub Connectors, Adapters and Hoods

3M 1077-1081
AMP/Tyco Electronics 1082-1090
Amphenol 1091, 1092
Cinch 1093, 1094
CONEC 1095, 1096
FCI 1097
FCT 1098-1101
HARTING 1102, 1103
Kobiconn 1104, 1105
Molex 1105
Kycon 1106
NorComp 1107-1111
Phoenix Contact 1112
Spectrum Control Inc. 1113

Circular Connectors

AMP/Tyco Electronics 1114-1119, 1145
Amphenol 1120-1137
Bulgin 1138-1141
Conxall 1142, 1143
JAE 1144
Kobiconn 1145
Kycon 1146
LEMO 1147-1150
Phoenix Contact 1151, 1152
Souriau 1153-1157
Switchcraft 1158
Gore 1159

Backplane / Card Edge / SCSI

3M 1160, 1161
Adam Tech 1162
ALPS 1163, 1164
AMP/Tyco Electronics 1165-1169
Amphenol 1170
AVX/Elco 1171
EDAC 1172, 1173
FCI 1174-1177
Kobiconn 1177
HARTING 1178-1181
Molex 1182-1184

Rectangular Power

AMP/Tyco Electronics 1185-1187
Amphenol 1188
Cinch 1189
HARTING 1190-1196
Molex 1197, 1198

Rectangular Connectors

Headers/Receptacles, Nylon Housings, Pin and Socket

3M 1199-1208, 1240
Adam Tech 1209
AMP/Tyco Electronics 1210-1237
AVX/Elco 1238
Cinch 1239
Kobiconn 1240
FCI 1241-1249
Harwin 1250-1255
JAE 1256-1260
Mill-Max 1261-1264
Molex 1265-1294
Omron 1295

Sockets

Component and Test Sockets

3M 1296, 1297
Aries 1298, 1299
Tyco Electronics 1300
FCI 1301
Kobiconn 1301
Mill-Max 1302-1305
Keystone 1306

Terminals

3M 1307, 1308
AMP/Tyco Electronics 1309-1311
Keystone 1312, 1313
Kobiconn 1314, 1315
Molex 1316-1319
Panduit 1320-1322
Phoenix Contact 1323

Terminal Blocks

NEMA, Barrier, PCB, and DIN Rail

AMP/Tyco Electronics 1324
Amphenol 1325
Buchanan/Tyco Electronics 1326-1328
Cinch 1329
Kobiconn 1330, 1331
Molex 1332-1336
Phoenix Contact 1337-1360

3M™ Cable Ties, Hook & Loop Fasteners, & Wire Marking Products

CABLE TIES

Nylon

Material: Type 6/6 Nylon (UL94V2)

Color: Natural

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	1000	10000
517-41932	18	4	0.7	0.1	.03	.023	.015	.011
517-41936	40	6	1.25	0.14	.05	.04	.029	.026
517-41938	50	8	1.9	0.18	.05	.043	.036	.03
517-41952	50	15	4.1	0.19	.12	.097	.08	.066
517-41950	120	15	4.0	0.3	.23	.19	.17	.14

Nylon Weather (UV) Resistant

Color: Black

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	1	100	1000	10000
517-41930	18	4	0.7	0.1	.08	.05	.042	.02
517-41934	40	6	1.25	0.14	.10	.076	.062	.045
517-41940	50	8	1.9	0.18	.17	.12	.104	.086
517-41948	50	15	4.1	0.19	.18	.14	.12	.10
517-41946	120	15	4.0	0.3	.33	.26	.22	.19

HOOK AND LOOP FASTENERS

Tiny, stiff hooks mesh with pliable loops for quick secure fastening.

Scotchmate™ General Purpose Pressure Sensitive

Simply peel off the liner and press in place. These general purpose products offer high adhesive bond to a wide variety of materials and provide excellent moisture resistance. When supporting static loads, temperature should not exceed 49°C / 120°F to avoid slippage or movement of the fastener in the direction of the static force due to softening of the adhesive. Temperature range is -29°C / -20°F to 49°C / 120°F continuous, to 70°C / 158°F intermittent.

By the Foot / **Mini-Pack (4.9 Yards)**

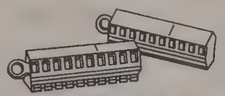
MOUSER STOCK NO.	Price Per Ft		Description	MOUSER STOCK NO.	Price Per Reel	
	1	10			1	5
517-3401B-FT	1.40	1.25	1" wide, black sew on	517-3401B/REEL	16.54	15.50
517-3401W-FT	1.40	1.25	1" wide, white sew on	517-3401W/REEL	16.54	15.50
517-3526-FT	3.00	2.85	1" wide, black adhesive	517-3526/REEL	34.00	31.75
517-3526W-FT	2.70	2.45	1" wide, white adhesive	517-3526W/REEL	32.82	30.59

Dual Lock™ General Purpose Pressure Sensitive

3M™ Dual Lock™ Reclosable Fasteners have been used extensively in transportation, electronics, business equipment, machinery, medical and sign and display markets. When the mushroom-shaped stems interlock, tensile strength is high enough to replace mechanical fasteners in many applications, yet you can readily open and close Dual Lock fasteners hundreds of times. High temperature and solvent resistant. Black, polyproplyene reclosable fastener with rubber based pressure sensitive adhesive and works well on many plastic surfaces.

MOUSER STOCK NO.	1	10	Description	MOUSER STOCK NO.	1	5
517-3541-FT	4.45	4.23	1" wide, black adhesive	517-3541/REEL	46.36	43.19
517-3551-FT	5.61	5.06	1" wide, black adhesive, UV resistant	517-3551/REEL	65.48	61.37
517-3560-FT	7.75	7.36	1" wide, clear adhesive	517-3560/REEL	73.54	68.45

WIRE MARKING AND LABELING



ScotchCode™ Wire Marker Tape Dispensers

Dispenser with ten refillable compartments for the easy-to-cut colored, lettered, or numbered tape.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-STD09	Dispenser, 1 roll each # 0-9	48.39	45.97
517-STDC	Dispenser, 1 roll each color: black, blue, brown, green, gray, orange, red, violet, white, and yellow	32.10	30.00

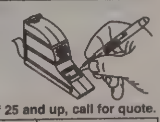
Numbered and Colored Tape Refills

Fill in the blank (__) of the part number with (0, 1, 2, 3, 4, 5, 6, 7, 8, 9) for the numbered refill or (BK, RD, YL, WH, GN, GY, OR, VL, BL, BN) for the colored refill you are ordering.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-SDR___	Refill for wire marker tape dispenser	2.00	1.80

ScotchCode™ Write-On Wire Marker Tape Dispensers and Refills



Dispensers provide a smooth, stable writing surface. Use for cable, motor panels, control panels or sub-assemblies --- any wire or cable. SLW comes with SMP marker pen and 70 markers. SLW is disposable with no refill. The SWD comes with the pen and 250 markers.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-SLW	Dispenser for large write-on wire markers, size 1" x 5"	28.28	25.62
517-SWD	Dispenser for write-on markers, size 3/4" x 1-3/8"	25.95	24.20
517-SWD-R	Write-on marker refills, size 3/4" x 1-3/8"	19.60	18.32

ScotchCode Marking Pens

Pens feature an extra-fine point with quick-drying water-resistant ink. For use with write-on markers and on other non-porous surfaces.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-SMP	Permanent black ink	4.57	4.15

SPB PRE-PRINTED WIRE MARKER BOOKS

- Clearly printed
- Wide Variety
- Legible, Neat
- Convenient

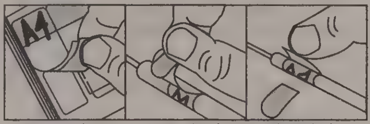
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Contents	Quantity Each	Price Each
517-SPB-01	0-9 L1-L3, T1-T3	45 15	16.24
517-SPB-02	A-Z, 0-15, +, -, /	10	16.24
517-SPB-03	1-45	10	16.24
517-SPB-04	1, 2, 3	150	16.24
517-SPB-05	A, B, C	150	16.24
517-SPB-06	T1, T2, T3	150	16.24
517-SPB-07	L1, L2, L3	150	16.24
517-SPB-08	1-15 16-90 A-Z, +, -, /, O	6 4 2	16.24
517-SPB-09	1, 2, 3, A, B, C L1-L3, T1-T3	45 30	16.24
517-SPB-11	1-30	15	16.24
517-SPB-12	A-Z + - Write-On Markers	15 8 6 21	16.24
517-SPB-13	+, -, AC, DC POS, NEG, GND NEUT, SPARE Write-On Markers	45 33 27 21	16.24
517-SPB-14	46-90	10	16.24
517-SPB-15AS	30 Alarm System Legends 1-15 16-45 Write-On Markers	9 5 2 21	16.24
517-SPB-16LC	68 Load Center Legends Write-On Markers	5 110	16.24

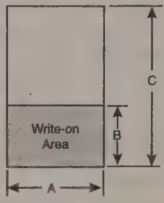
SWB WRITE-ON WIRE MARKER BOOKS

RoHS Compliant

The 3M SWB Write-on Wire Marker Book contains self laminating, write-on markers designed for small volume applications involving special or complex legends that are hand written at the job site.



1. Grasp marker and liner tab at bottom and remove by peeling upward.
2. Apply printed end of marker to wire and wrap, bending marker to lift tab.
3. Wrap tail of marker over legend as tab seperates from marker.



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Labels Per Book	Write-on Area (In.)		Marker Size (In.)		Recommended Wire O.D.	Price Each
		A	B	A	C		
517-SWB-01	180	0.5	0.5	0.5	1.5	0.16 x 0.31	16.73
517-SWB-02	120	0.75	0.75	0.75	1.75	0.24 x 0.31	16.73
517-SWB-03	60	1.0	1.0	1.0	2.85	0.32 x 0.58	17.00
517-SWB-04	30	1.0	1.0	1.0	5.0	0.32 x 1.55	16.73

WIRE PULLING LUBRICANT COMMUNICATIONS

RoHS Compliant

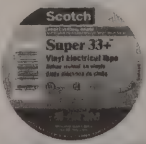
Slow drying, water based liquid lubricant formulated for lightweight cable pulling. Provides maximum tension reduction for long fiber optic pulls, multiple bend pulls, and pulls in hot environments.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	4
517-WLCQT	1 quart bottle	9.38	8.53
517-WLC1	1 gallon pail	19.09	17.36

VINYL ELECTRICAL TAPE

MADE IN USA RoHS Compliant



Scotch® Super 33+ Tape

Premium 7 mil, flame retardant, weather resistant tape. Resists temperature and moisture for splicing. Meets requirements of UL 510, HHI-595, CAS 22.2

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-33	3/4" x 66'	4.91	4.66

Scotch® Super 88 Tape

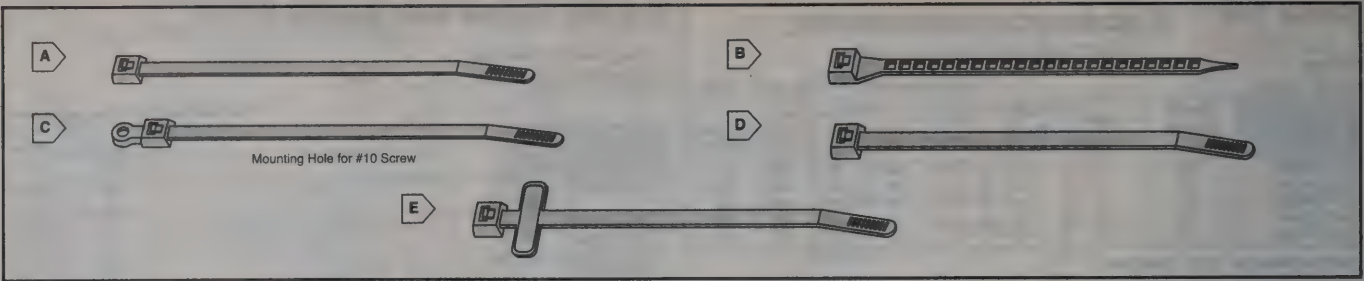
Premium-grade heavy-duty 8.5 mil, flame retardant, cold and weather resistant tape with superior cold weather handling features. Meets UL 510, MIL-1-24391, and CSA 22.2

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-88	3/4" x 66'	5.54	5.26

AVERY DENNISON Cable Mounting Hardware

Fastener Division



BAR-LOK® CABLE TIES

Features:
- Manufactured of 100% Nylon
- Bent-tip design for ease of handling and installation
- Maximum holding ability

Specifications:
- Type 6/6 Nylon
- Self-extinguishing - UL94 flam., class: V-2
- Meet MIL-S-23190, MS3367, ASTM D 4066-82
- Operating Temperature: -40°C to 85°C
- Heat Stabilized: -40°C to 105°C

Miniature Ties

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-08432	A	Natural	18	4	.875	.095	.05	.03	.02
514-08433	A	Black Weather Resist	18	4	.875	.095	.06	.04	.03

Intermediate Ties

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-08376	A	Natural	40	5.5	1 1/4	.13	.07	.06	.04
514-08377	A	Natural	40	8	2 1/8	.13	.10	.08	.06
514-08380	A	Black Weather Resist	40	8	2 1/8	.13	.12	.10	.07

Standard Ties

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-08387	A	Natural	50	7.5	1 3/4	.177	.08	.07	.05
514-08600	A	Natural	50	11	3	.177	.15	.12	.10
514-10036	A	Natural	50	15	4	.177	.23	.19	.15
514-10037	A	Black Weather Resist	50	15	4	.177	.26	.22	.17

Ladder Ties

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-08472	B	Black Heat Stabilized	40	7	1 3/4	.14	.07	.06	.04
514-08476-1	B	Natural	40	7	1 3/4	.14	.10	.06	.04
514-08471	B	Natural	40	11	3	.14	.15	.08	.07

Screw Mount-Standard Ties

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-08484-1	C	Natural	50	7.5	1 3/4	.177	.13	.12	.09
514-10350	C	Natural	50	11	3	.177	.15	.13	.11

Slim Line Ties

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-10325	D	Natural	18	8	2 1/8	.095	.06	.05	.03
514-10327	D	Black Weather Resist.	18	8	2 1/8	.095	.08	.06	.04
514-10335	D	Natural	40	15	4	.14	.27	.20	.12

Miniature Identification Ties

Features:
- Mark on textured tab with cable tie marking pen (sold separately)
- Can be heat stamped

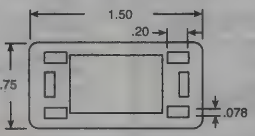
Specifications:
- Type 6/6 Nylon
- Self-extinguishing - UL94 flam., class: V-2
- Designed in accordance with MIL-S-23190 and MS 3368

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Style	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each 1	100	1000
514-08412	E	Natural ID	18	4	.875	.095	.19	.15	.07

CABLE TIE ID PLATE (NYLON)

Features:
- For convenient tagging of wire bundles and cables



DIMENSIONS: in.

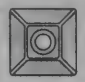
For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Price Each 1	100	1000	10,000
514-08457-1	.34	.18	.13	.11

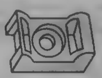
BAR-LOK® CABLE TIE MOUNTS

Features:
- Natural Nylon (Type 6/6)
- Accommodates minimal space limitations
- Slips through slot easily and is securely contained for easy assembly and tensioning

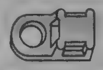
A



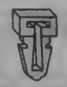
B



C



D



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	100	500	1000
514-08461	A	3/4" adhesive 4-way mount for mini & intermediate ties	.51	.18	.11	.10
514-08462-1	A	1" adhesive 4-way mount for mini and standard ties	.52	.26	.20	.15
514-10045-1	B	#8 screw size, cradle mount, for standard ties	.27	.15	.11	.09
514-10046-1	B	#10 screw size, cradle mount, for heavy duty ties	.34	.18	.14	.10
514-10027-1	C	#8 screw size, ANC base mount, for standard ties	.22	.11	.09	.06
514-10028-1	C	#10 screw size, ANC base mount, for standard ties	.25	.13	.10	.08
514-10056-1	D	Push-in mount for standard ties, .25" mounting hole	.33	.17	.13	.09

CABLE TIE INSTALLATION TOOL

Features:
- This tool can accommodate all miniature, intermediate and standard ties and is ideally built to withstand the rigors of daily use on the assembly line of high production operations
- Rugged, lightweight cast Aluminum body built to last in production environments
- Nose of the tool allows easy access for miniature, intermediate and standard ties
- Distance between the trigger and handle designed to lower the trigger force necessary or operation, avoiding fatigue and increasing comfort for smaller hands

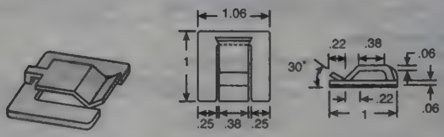
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Price Each
514-12001-0	125.87

CABLE CLIP

Features:
- Allows use of any width cable
- Made of Type 6 Nylon
- Accommodates stacked cable

DIMENSIONS: In.

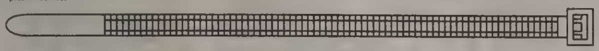


For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each 1	100	500	1000
514-08406	High quality, durable, non-conductive cable clip	.80	.42	.30	.23

EAGLE PLASTIC DEVICES Nylon Cable Ties and Installation Tool

STANDARD TIES

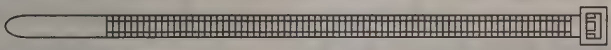


- Color: natural
- Material: Type 6/6 Nylon (UL94V2)

For quantitiesof 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (in.)	Max. Bundle Dia. (in.)	Width (in.)	Price Each			
					1	100	1000	10000
Miniature Range								
561-N3502	17	3.15	.55	.098	.06	.04	.03	.02
481-0102	18	4.0	.98	.098	.06	.022	.012	.01
561-N3506	17	6.3	1.40	.098	.12	.08	.06	.04
561-N3508	17	7.9	2.0	.098	.12	.09	.06	.04
Intermediate Range								
481-0108	40	6.0	1.50	.146	.07	.035	.03	.025
561-N3512	40	7.9	2.0	.142	.13	.10	.08	.06
561-N3514	40	11.6	2.95	.142	.16	.13	.09	.08
Standard Range								
561-N3522	50	6.3	1.42	.189	.09	.06	.05	.04
561-N3515	50	7.1	1.58	.189	.08	.06	.05	.04
481-0115	50	8.0	2.17	.181	.08	.04	.036	.028
561-N3524	50	9.8	2.76	.189	.10	.08	.07	.06
Light Heavy Range								
561-N3540	120	5.9	1.42	.299	.20	.15	.13	.11
561-N3542	120	7.9	2.0	.299	.25	.20	.18	.15
561-N3544	120	11.4	3.15	.299	.25	.20	.18	.15

STANDARD WEATHER RESISTANT TIES

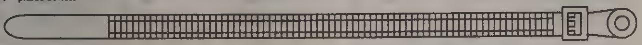


- Color: black
- Material: Type 6/6 Nylon (UL94V2)

For quantities of 25,000 and up, call for quote.

Miniature Range								
561-N3503	17	3.15	.55	.098	.10	.08	.07	.05
481-0102UV	18	4.0	.98	.098	.08	.024	.016	.012
561-N3507	17	6.3	1.4	.098	.11	.09	.07	.06
561-N3509	17	7.9	2.0	.098	.12	.09	.07	.06
Intermediate Range								
481-0108UV	40	6.0	1.5	.146	.13	.05	.034	.028
561-N3513	40	7.9	2.0	.142	.12	.10	.08	.06
561-N3516	40	11.6	2.95	.142	.16	.14	.11	.08
Standard Range								
561-N3523	50	6.3	1.42	.189	.21	.16	.14	.12
561-N3534	50	7.1	1.58	.189	.21	.16	.14	.12
481-0115UV	50	8.0	2.17	.181	.19	.06	.04	.035
561-N3537	50	9.8	2.76	.189	.23	.18	.15	.13
Light Heavy Range								
561-N3541	120	5.9	1.42	.299	.25	.20	.18	.15
561-N3543	120	7.9	2.0	.299	.25	.20	.18	.15
561-N3545	120	11.4	3.15	.299	.36	.29	.25	.21

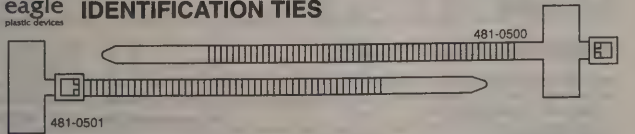
SCREWMOUNT TIES



- Color: natural
- Screw Mount: ø0.181"

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (in.)	Max. Bundle Dia. (in.)	Width (in.)	Price Each			
					1	100	1000	10000
Intermediate Range								
481-0200	40	6.7	1.57	.146	.09	.064	.056	.05

IDENTIFICATION TIES

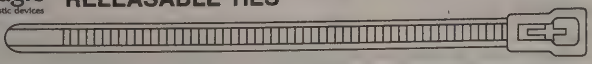


- Material: Type 6/6 Nylon (UL94V2)

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (in.)	Max. Bundle Dia. (in.)	Width (in.)	Price Each			
					1	100	1000	10000
Miniature Range								
481-0500	18	4.1	.98	.098	.12	.10	.09	.08
481-0501	18	4.4	.98	.098	.12	.10	.09	.08

RELEASABLE TIES



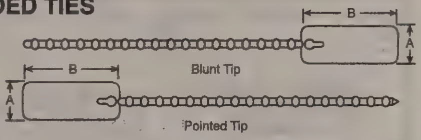
- Color: natural

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (in.)	Max. Bundle Dia. (in.)	Price Each			
				1	100	1000	10000
Standard Release							
481-0300	26	4.9	1.18	.20	.12	.088	.077
481-0301	50	5.9	1.38	.21	.145	.12	.096
481-0302	50	7.8	1.97	.25	.20	.17	.10
481-0303	50	11.7	3.15	.36	.25	.18	.15

LABEL BEADED TIES

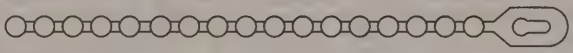
Nylon beaded tie with integral label area for writing. Permanent ink pens, felt tip pens, pressure-sensitive adhesive labels, or even Post-it® notes can be used on the polished label area.



For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	Description	Dimensions (in.)		Price Each		
		A-Width	B-Length	1	100	1000
561-0400N	4" Blunt Tip	0.50	1.31	.57	.38	.29
561-0600N	6" Blunt Tip	0.50	1.31	.57	.38	.29
561-0400P	4" Pointed Tip	0.50	1.31	.57	.38	.29
561-0600P	6" Pointed Tip	0.50	1.31	.57	.38	.29

BEADED TIES

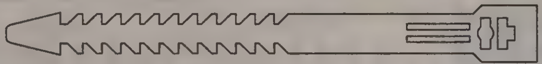


- Color: natural
- Material: Type 6/6 Nylon (UL94V2)

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (in.)	Max. Bundle Dia. (in.)	Price Each			
				1	100	1000	10000
561-N3525	30	4 1/4	1.00	.05	.04	.03	.03
561-N3530	30	6	1.25	.09	.07	.06	.05
561-N3535	30	8	2.00	.12	.09	.08	.07
561-N35100	30	10	2.25	.15	.11	.09	.08

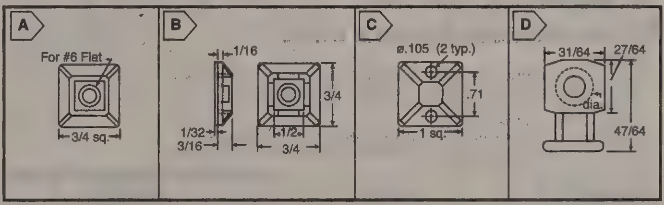
AC CORD TIES



For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Tensile Strength (Lbs.)	Length (in.)	Max. Bundle Dia. (in.)	Color	Price Each			
					1	100	1000	10000
481-0600	18	6.2	1.77	Natural	.14	.115	.099	.055
481-0601	18	6.2	1.77	Black	.14	.115	.099	.055

NYLON WIRE & CABLE TIE MOUNTS



Cradle Mounts

Used in applications where low profile is necessary. Each mount offers a four way entry and is secured with either a screw or adhesive backing. Note: the adhesive mounts have an acrylic foam backing and should be used on a smooth, clean, dry surface.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each			
Mfr.	Mfr. Part No.			1	100	500	1000
561	N3588	A	3/4" Cradle Mount (adhesive)	.21	.17	.15	.09
561	N3608	B	3/4" Cradle Mount (screw)	.37	.29	.24	.18
561	N3590	C	1" Cradle Mount (adhesive)	.34	.24	.18	.15
561	N3590B	C	1" Cradle Mount (adhesive) black	.34	.24	.19	.16

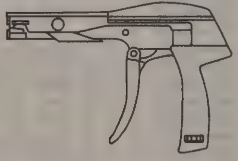
Screw Tabs

Designed for use where space is limited. Tabs are fastened with a screw to provide a low profile assembly.

561	N3595	D	#8 Screw Tab	.14	.11	.07	.06

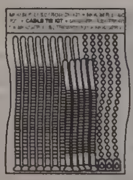
CABLE TIE GUN

Standard adjustable metal tensioning tool for cable tie widths from .087 inch to .189 inch.



MOUSER STOCK NO.	Price Each	
	1	5
561-N3000	64.35	53.00

CABLE TIE KIT



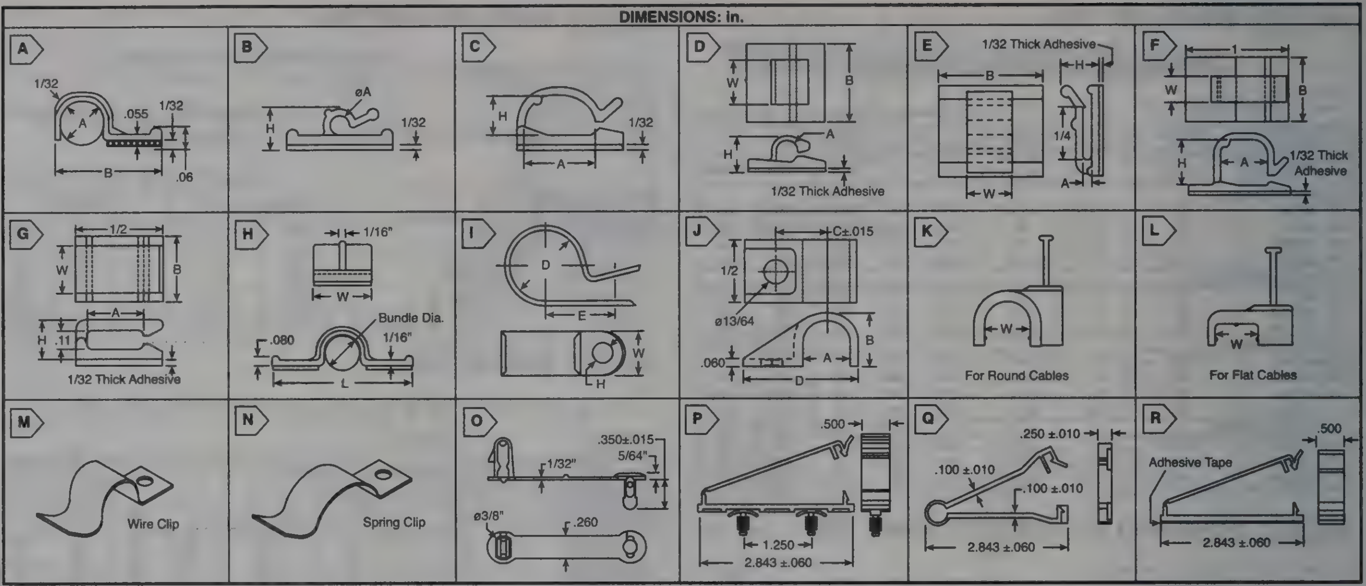
- 105 cable ties per kit
- 15 pieces of each size
- 7 different ties in each
- Resealable storage bag

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Size Range (in.)	Price Each
Mfr.	Mfr. Part No.		
370	CT-1	4-6	12.95
370	CT-2	6-8	12.95

EAGLE PLASTIC DEVICES Nylon Wire Handling Hardware

DIMENSIONS: in.



ADHESIVE BACKED CABLE CLIPS

- For fast installation

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.				Price Each			
		A	B	W	H	1	100	500	1000
561-SP13037	A	.125	.493	.375	.217	.20	.16	.14	.11
561-SP25550	A	.250	.865	.500	.343	.20	.16	.14	.11
561-SP38562	A	.375	1.000	.625	.475	.23	.19	.16	.14
561-SP50575	A	.500	1.125	.750	.593	.25	.22	.19	.15
561-AWC00125	B	.118	.510	.200	.200	.15	.12	.10	.08
561-AWC00375	C	.460	.750	.375	.310	.25	.21	.18	.15
561-AWC187	D	.187	.650	.375	.266	.32	.26	.22	.21
561-AWCF2547	E	.435	.470	.200	.219	.26	.21	.19	.16
561-AWC440	F	.460	.625	.250	.440	.35	.28	.25	.23
561-AWCF32811	G	.328	.375	.270	.190	.27	.22	.20	.17

DOUBLE ADHESIVE CABLE CLIPS

Features:

- Tough, corrosion resistant nylon 6/6 clip is backed with a quality foam adhesive tape.
- The double clip design develops greater shear loads and holding power.
- To install, simply pull the clip off of the liner strip and press into place.
- No holes to drill or screws to turn.
- Nylon press clips provide a low in-place assembly that is quick and permanent.
- Polyethylene foam tape has excellent conformability, high temperature and solvent resistance and high ultimate bond strength.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each		
		Bundle Dia.	Hole Size	Width	1	100	1000
561-PC1337	H	.125	.760	.375	.50	.39	.26
561-PC2550	H	.250	1.380	.500	.50	.39	.26
561-PC3862	H	.375	1.505	.625	.63	.48	.33
561-PC5075	H	.500	1.600	.750	.63	.48	.33

CABLE CLAMPS

Heavy Duty

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.				Price Each		
		D	W	H	E	1	100	1000
561-B0125	I	1/8	1/2	.203	.315	.13	.05	.04
561-B0187	I	3/16	1/2	.203	.425	.13	.04	.04
561-B0250	I	1/4	1/2	.203	.410	.14	.06	.04
561-B0312	I	5/16	1/2	.203	.500	.13	.04	.04
561-B0375	I	3/8	1/2	.203	.530	.16	.06	.05
561-B0437	I	7/16	1/2	.203	.560	.16	.07	.05
561-B0500	I	1/2	1/2	.203	.595	.15	.06	.05
561-B0562	I	9/16	1/2	.203	.606	.15	.06	.05
561-B0625	I	5/8	1/2	.203	.655	.15	.06	.05
561-B0750	I	3/4	1/2	.203	.780	.19	.07	.06
561-B1000	I	1	1/2	.203	.910	.21	.08	.06
561-B1250	I	1 1/4	1/2	.203	1.06	.21	.09	.08
561-B1500	I	1 1/2	1/2	.203	1.19	.21	.09	.08

Standard

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.				Price Each		
		D	W	H	E	1	100	500
561-C0125	I	1/8	3/8	.167	.329	.12	.05	.04
561-C0187	I	3/16	3/8	.167	.430	.12	.05	.04
561-C0250	I	1/4	3/8	.167	.410	.11	.04	.03
561-C0312	I	5/16	3/8	.167	.495	.12	.05	.04
561-C0375	I	3/8	3/8	.167	.595	.13	.05	.04
561-C0500	I	1/2	3/8	.167	.605	.14	.06	.05

HEAVY DUTY CABLE CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	(In.) Size	Dimensions: in.				Price Each		
			A	B	C	D	1	100	500
561-1250CC	J	1/8	.115	.115	.307	.675	.29	.13	.09
561-1720CC	J	3/16	.172	.172	.328	.732	.32	.14	.10
561-2340CC	J	1/4	.234	.234	.366	.793	.34	.16	.11
561-2970CC	J	5/16	.297	.297	.400	.859	.35	.16	.10
561-3590CC	J	3/8	.359	.359	.430	.910	.38	.19	.12
561-4220CC	J	7/16	.422	.422	.460	.980	.37	.17	.11
561-4840CC	J	1/2	.484	.484	.492	1.044	.39	.19	.12

NAIL-IN CABLE CLIPS

Molded nail-in clips are used to safely install cable TV, fiber optics, computer networks, telephone, and other communication systems, hydraulic and pneumatic systems.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	W: in.	Fits Cable Type	Price Each			
				1	100	500	1000
561-C0050	K	.197	RG-58	.26	.10	.07	.04
561-C0070	K	.276	RG-6	.26	.10	.07	.04
561-C0080	K	.315	TRIAX	.26	.10	.07	.04
561-C0090	L	.354	DUAL RG-6	.28	.10	.07	.04

WIRE CLIPS-SPRING CLIPS

These clips provide fast, secure assembly and routing of wires, standard round cable, flat cable and tubing. The spring clip can also be used to mount panels, glass, displays, or signs. All contact edges are rounded for product protection.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.	Price Each			
			1	100	500	1000
561-WC500312	M	1/2 x .312	.29	.22	.15	.12
561-SCP375132	N	3/8 x .132	.25	.18	.13	.10

WIRE RETAINING STRAPS

Wire and tube retaining straps are designed to be pushed into a .250 dia. hole, the wire or tube can then be placed on the strap, simply push the pin end into the receiver end and the wire or tube is secured in place. Part is molded in electrically insulating Nylon 6/6

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each		
		Bundle Dia.	Hole Size	Width	1	100	1000
561-R25312	O	.312	.250	.260	.50	.39	.26
561-R25375	O	.375	.250	.260	.50	.39	.26
561-R25437	O	.437	.250	.260	.50	.39	.26
561-R25500	O	.500	.250	.260	.50	.39	.26
561-R25562	O	.562	.250	.260	.50	.39	.26

RIBBON CLIPS

Features:

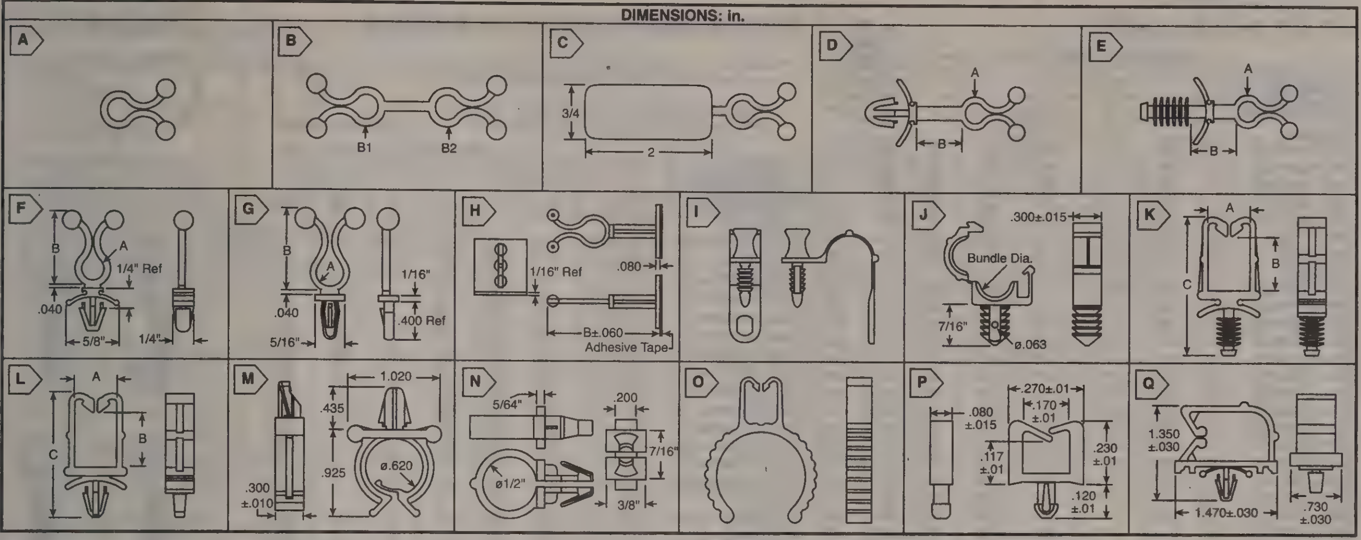
- One Piece Ribbon Clip and Adhesive Ribbon Cable are molded in tough non-conductive nylon.
- The design allows for quick positive clamping of flat cable up to 50 conductors wide, without the need for securing the clip to a board or chassis. One Piece Ribbon Clips are releasable and reusable. The Adhesive Clips have a peel and stick adhesive backing.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	1000
561-CC250	P	Ribbon clip up to 50 conductor	.93	.73	.66
561-CC200	Q	Ribbon clip up to 50 conductor	.47	.36	.24
561-CC251	R	Ribbon clip up to 50 conductor	1.06	.80	.70

EAGLE PLASTIC DEVICES Nylon Wire Handling Hardware

DIMENSIONS: in.



NYLON "EZ" TWIST LOCKS

Securely positions and holds wire, cable or tubing. Simply twist to wrap; untwist to unwrap. Reusable and molded of tough, resilient nylon 6/6 (UL 94V2), color: natural.

"EZ" Twist Locks

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Bundle Dia.: in.	Price Each			
				1	100	1000	5000
561-EZ125	A	1/8" lock	.11 - .14	.15	.11	.07	.05
561-EZ250	A	1/4" lock	.20 - .27	.16	.11	.07	.06
561-EZ375	A	3/8" lock	.30 - .40	.18	.11	.06	.04
561-EZ500	A	1/2" lock	.40 - .50	.17	.10	.04	.04
561-EZ625	A	5/8" lock	.55 - .65	.21	.12	.07	.06
561-EZ750	A	3/4" lock	.70 - .80	.22	.12	.09	.07

Double Ended "EZ" Twist Locks

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	B1 / B2	Price Each			
			1	100	500	1000
561-23DBEZ001	B	.30/.40	.57	.34	.20	.19
561-23DBEZ002	B	.40/.50	.57	.34	.20	.19

"EZ" Twist Lock Labels

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Bundle Dia.: in.	Price Each			
			1	100	500	1000
561-EZLB0250	C	1/4"	.60	.36	.21	.20
561-EZLB0375	C	3/8"	.60	.36	.21	.20

"EZ" Twist Lock Supports

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.		Price Each		
		A	B	1	100	500
561-EZS250	D	.250	.954	.17	.11	.10
561-EZS200	D	.200	.011	.15	.10	.09
561-EZS450	D	.450	.625	.18	.12	.10
561-EZS625	D	.625	.028	.22	.15	.13
561-EZS375N30	D	.050	1.066	.18	.15	.09
561-EZS450N30	D	.028	1.180	.18	.15	.09
561-EZFB025	E	.375	.200	.29	.20	.17
561-EZFB050	E	.375	.437	.30	.20	.18
561-EZF37B37	E	.375	.315	.15	.13	.10
561-EZ37B62	E	.375	.555	.16	.13	.11
561-EZ50C37	E	.500	.318	.16	.13	.10
561-EZ50C50	E	.500	.447	.16	.13	.11
561-EZ50C62	E	.500	.596	.16	.14	.11
561-EZ50C100	E	.500	.942	.16	.14	.11
561-EZ62C37	E	.625	.319	.24	.20	.20
561-EZ62C50	E	.625	.442	.24	.20	.16
561-EZ62C62	E	.625	.595	.24	.20	.16
561-EZ62C100	E	.625	.935	.24	.20	.16
561-EZS250B40	F	.250	1.078	.20	.17	.10
561-EZS375B40	F	.375	1.203	.21	.18	.12
561-EZS250C40	G	.250	.719	.20	.17	.10
561-EZS345C40	G	.375	.750	.20	.17	.10

"EZ" Twist Lock Fin Clip Base

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.		Price Each		
		A	B	1	100	500
561-EZAB450T	H	.190	1.230	.22	.20	.17
561-EZAB580T	H	.190	1.400	.22	.18	.14
561-EZABS450T	H	1.070	2.149	.28	.23	.19

QUICK CABLE CLAMPS

Quick cable clamps are designed for one-handed installation. The design features an integrated ratchet fastener which eliminates the need for a screw or other fastener. The part is self-aligning, and the built-in handle allows for quick and easy installation without tools. Tha parts are molded from nylon 6/6 and are suitable for many different wire, cable, or tubing routing applications. Parts are designed to fit a 3/16" diameter hole.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each		
		Bundle Dia.	Hole Size	Width	1	100	1000
561-C187250	I	.250	.187	.375	.45	.35	.23
561-C187312	I	.313	.187	.375	.45	.35	.23
561-C187375	I	.375	.187	.375	.45	.35	.23
561-C187437	I	.437	.187	.375	.45	.35	.23

RELEASABLE CLAMPS

Wire/Cable Holders are designed to mount into 3/16 to 1/4 or 6mm hole diameters. Wire/Cable Holders can be used in a variety of panel thicknesses and materials. Sizes are available to handle wire bundle diameters from .375" to 1".

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each		
		Bundle Dia.	Hole Size	Width	1	100	1000
561-CB037	J	.375	.187	.187	.55	.41	.28
561-CB050	J	.500	.187	.187	.57	.43	.29
561-CB025	J	.500	.250	.187	.55	.41	.28
561-CB100	J	1.000	.250	.375	.62	.48	.44

WIRE / CABLE HOLDERS

Wire/Cable Holders are designed to mount into 3/16 or 5mm hole diameters. Wire/Cable Holders can be used in a variety of panel thicknesses and materials. Sizes are available to handle wire bundle diameters from .375" to .500".

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in. ±.031			Price Each		
		A	B	C	1	100	1000
561-HA3750	K	.375	.500	.922	.40	.26	.18
561-HA3775	K	.375	.750	1.172	.40	.26	.18
561-HA5075	K	.500	.750	1.219	.40	.26	.18
561-HA5000	K	.500	1.000	1.469	.40	.26	.18
561-HB3750	L	.375	.500	.922	.40	.26	.18
561-HB3775	L	.375	.750	1.172	.40	.26	.18
561-HB5075	L	.500	.750	1.219	.40	.26	.18
561-HB5000	L	.500	1.000	1.500	.42	.28	.20

WIRE / CABLE CLIPS

Features:

- Wire Clips are molded in Nylon 6/6 material. Holds up to ten 26 gauge wires (1/32 outside dia.)
- They can be used on densely packed PC boards or any other limited space applications.
- Wires install easily by pressing down on retaining arms which flex to accept wire then spring back into place.
- Split wire routing clips allow for the loading of wires by separating the cup at the split and then inserting the prongs of the clip into a hole in the panel.
- Various wiring, such as telephone wire, is often routed with electrical conduit.
- Conduit Clips are designed to snap onto electrical conduit.
- The integrated wire holder on the clip allows wiring to be secured to the conduit.
- Installation is faster and easier than with a wire tie, which is often used for this purpose.
- The clip can be easily removed if necessary, up to 5/16" diameter. Parts are molded in light weight, chemical and corrosion resistant Nylon 6/6.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	1000
561-PM62250	M	Cord clip, bundle dia. .620	.51	.40	.37
561-RC2550	N	Split wire routing clip. Bundle dia. .500	.45	.35	.23
561-C05025	O	Conduit clip for 1/2" conduit	.51	.40	.37
561-C07531	O	Conduit clip for 3/4" conduit	.51	.40	.37
561-C170120	P	Micro wire clip	.21	.14	.11
561-WC7510	Q	Wire clip with push-in mount	.63	.48	.33

EAGLE PLASTIC DEVICES Nylon Wire Handling Hardware

NYLON CABLE CLAMPS

For quantities of 2000 and up, call for quote. RoHS Compliant

MOUSER STOCK NO.	Fig.	Dimensions: in.				Price Each		
		D	W	H	E	1	100	1000
Miniature								
561-16A0062	A	.063	.156	.096	.187	.07	.05	.04
561-16A0093	A	.094	.156	.096	.203	.07	.05	.04
561-16A0125	A	.125	.156	.096	.217	.07	.05	.04
561-16A0156	A	.156	.156	.096	.233	.07	.05	.04
561-16A0187	A	.188	.156	.096	.250	.07	.05	.04
561-A0250	A	.250	.281	.128	.337	.13	.09	.08
561-E0375	A	.375	.281	.128	.400	.08	.06	.04
Standard								
561-37B0125	A	.125	.375	.140	.329	.07	.04	.03
561-37B0187	A	.188	.375	.140	.430	.07	.04	.03
561-37B0187E	A	.188	.375	.140	.430	.07	.04	.03
561-37B0250	A	.250	.375	.140	.410	.07	.05	.03
561-37B0312	A	.313	.375	.140	.495	.07	.05	.04
561-37B0375	A	.375	.375	.140	.595	.08	.05	.04
561-37B0437	A	.438	.375	.140	.574	.08	.05	.04
561-37B0500	A	.500	.375	.140	.605	.08	.05	.04
561-37C0187E	A	.188	.375	.167	.378	.07	.04	.03
561-37C0437	A	.438	.375	.167	.574	.08	.05	.04
561-37D0125	A	.125	.375	.203	.329	.07	.04	.03
561-37D0187	A	.188	.375	.203	.430	.07	.04	.03
561-37D0187E	A	.188	.375	.203	.430	.07	.04	.03
561-37D0250	A	.250	.375	.203	.410	.07	.05	.03
561-37D0312	A	.313	.375	.203	.495	.07	.05	.04
561-37D0375	A	.375	.375	.203	.595	.08	.05	.04
561-37D0437	A	.438	.375	.203	.574	.08	.05	.04
561-37D0500	A	.500	.375	.203	.605	.08	.05	.04
561-37D0562	A	.563	.375	.203	.606	.08	.06	.04
561-37D0625	A	.625	.375	.203	.678	.09	.06	.04
Heavy Duty								
561-50C0125	A	.125	.500	.167	.315	.09	.06	.05
561-50C0187	A	.188	.500	.167	.425	.09	.06	.05
561-50C0250	A	.250	.500	.167	.410	.10	.06	.05
561-50C0312	A	.313	.500	.167	.500	.10	.07	.05
561-50C0375	A	.375	.500	.167	.530	.11	.07	.05
561-50C0437	A	.438	.500	.167	.560	.11	.07	.06
561-50C0500	A	.500	.500	.167	.595	.11	.07	.06
561-50C0562	A	.563	.500	.167	.606	.12	.08	.06
561-50C0625	A	.625	.500	.167	.655	.13	.09	.07
561-50C0687	A	.688	.500	.167	.755	.14	.09	.07
561-50C0750	A	.750	.500	.167	.780	.15	.10	.07
561-50C0812	A	.813	.500	.167	.815	.15	.10	.08
561-50C0875	A	.875	.500	.167	.845	.16	.11	.08
561-50D0687	A	.688	.500	.203	.755	.14	.09	.07
561-50D0812	A	.813	.500	.167	.845	.15	.10	.08
561-50D0875	A	.875	.500	.203	.845	.16	.11	.08
561-50D1125	A	1.125	.500	.203	.970	.26	.17	.13
561-50D1187	A	1.188	.500	.203	1.00	.27	.18	.14
561-50D1375	A	1.375	.500	.203	1.06	.29	.19	.15
561-50Q0375	A	.375	.500	.250	.585	.11	.07	.05
Extra Heavy								
561-87D1003	A	0.750	.875	.387	1.00	.56	.37	.28
561-87F0750	A	1.031	.875	.203	1.125	.49	.33	.25
561-87F1003	A	1.031	.875	.387	1.125	.56	.37	.28

FIN CLIP PUSH MOUNTS

The special head configuration allows use w/ beaded ties, as well as conventional cable ties.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	1000
561-PM18765	B	3/16" Push Mount	.19	.12	.09
561-PM25095	C	1/4" Push Mount	.27	.18	.14

CABLE TIE MOUNTS

For use when both sides of the panel are accessible.

RoHS Compliant

For quantities of 2000 and up, call for quote.

561-TA250125	D	Cable Tie Mount	.09	.07	.05

CABLE TIE HOLDERS

Screw mount tie holder offers a two way entry and is secured with a mounting screw.

RoHS Compliant

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.		Screw Size	Price Each			
		A	B		1	100	1000	5000
561-TA00600	E	.37	.26	1/4-20	.20	.14	.10	.09
561-TA00700	E	.37	.20	10-32	.20	.14	.10	.09

CLIP MOUNTS

For quantities of 200 and up, call for quote. RoHS Compliant

MOUSER STOCK NO.	Fig.	Dimensions: in.					Price Each	
		A	B	C	D	E	1	100
561-TA00090	F	.32	.22	.05	.35	.150	.14	.09
561-N3600	F	.38	.22	.07	.40	.190	.20	.17
561-N3605	F	.38	.22	.07	.40	.190	.21	.18
561-TA40170	G	.171	#8 Mnting Screw 3/8" x 3/4"				.09	.05
561-TA40200	G	.201	#10 Mnting Screw 3/8" x 3/4"				.07	.04

CONTINUOUS FLEXIBLE GROMMETING

Protect wires, cables, tubing and other objects from sharp panel edges. Can be used for round, square, and irregular shaped panels.

- In Natural (N) or Black (B)
- Material: Polyethylene
- Attaches quickly and easily using no special tools.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.				Price Each		
		A	B	C	Gap	1	100	1000
Serrated								
561-FGSP0100B	H	.045	.120	.220	.095	.56	.40	.32
561-FGSP0100N	H	.045	.120	.220	.095	.56	.40	.32
561-FGSP0125B	H	.040	.125	.220	.112	.59	.43	.35
561-FGSP0125N	H	.040	.125	.220	.112	.59	.43	.35
561-FGSP0187B	H	.050	.187	.275	.180	.61	.45	.37
561-FGSP0187N	H	.050	.187	.275	.180	.61	.45	.37
561-FGSP0400B	H	.028	.072	.190	.035	.49	.37	.31
561-FGSP0400N	H	.028	.072	.190	.035	.48	.35	.29
561-FGSP0520B	H	.028	.072	.190	.040	.52	.39	.33
561-FGSP0520N	H	.028	.072	.190	.040	.53	.40	.34
561-FGSP0620B	H	.040	.080	.200	.050	.50	.37	.31
561-FGSP0620N	H	.040	.080	.200	.050	.51	.39	.32
561-FGSP0850B	H	.040	.085	.190	.075	.52	.39	.33
561-FGSP0850N	H	.040	.085	.190	.075	.50	.37	.31
Uncut								
561-FGUP0100B	H	.045	.120	.220	.095	.47	.34	.28
561-FGUP0100N	H	.045	.120	.220	.095	.47	.34	.28
561-FGUP0125B	H	.040	.125	.220	.112	.48	.35	.29
561-FGUP0125N	H	.040	.125	.220	.112	.48	.35	.29
561-FGUP0187B	H	.050	.187	.275	.180	.50	.37	.31
561-FGUP0187N	H	.050	.187	.275	.180	.50	.37	.31
561-FGUP0400B	H	.028	.072	.190	.035	.40	.30	.21
561-FGUP0400N	H	.028	.072	.190	.035	.40	.30	.21
561-FGUP0520B	H	.028	.072	.190	.040	.45	.32	.26
561-FGUP0520N	H	.028	.072	.190	.040	.45	.32	.26
561-FGUP0620B	H	.040	.080	.200	.050	.42	.32	.23
561-FGUP0620N	H	.040	.080	.200	.050	.40	.30	.21
561-FGUP0850B	H	.040	.085	.190	.075	.45	.32	.26
561-FGUP0850N	H	.040	.085	.190	.075	.45	.32	.26

SPIRAL WRAP

Spiral wrap is a specifically-designed polyethylene covering for bundling tubing, wires, and other types of conductors.

- Easy to apply and remove
- Reusable and flexible

RoHS Compliant

For quantities of greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	OD: in. (mm)	Bundle Range	Wall Thickness	Price Per Coil (100')
Black - UV Resistant					
561-W100BK/C	I	1.00 (25.4)	1" - 7"	.070	120.54
561-W11BK/C	I	1.00 (25.4)	1" - 7"	.095	138.91
561-W12BK/C	I	.125 (3.175)	1/16" - 1/4"	.032	15.80
561-W24BK/C	I	.25 (6.35)	1/16" - 2"	.035	26.10
561-W25BK/C	I	.25 (6.35)	3/16" - 2"	.040	26.46
561-W36BK/C	I	.375 (9.53)	5/16" - 3"	.040	38.33
561-W37BK/C	I	.375 (9.53)	5/16" - 3"	.052	42.70
561-W38BK/C	I	.375 (9.53)	5/16" - 3"	.066	43.96
561-W48BK/C	I	.50 (12.70)	3/8" - 3"	.030	41.40
561-W49BK/C	I	.50 (12.70)	3/8" - 4"	.040	42.78
561-W50BK/C	I	.50 (12.70)	3/8" - 4"	.062	56.84
561-W51BK/C	I	.50 (12.70)	3/8" - 4"	.072	58.55
561-W62BK/C	I	.625 (15.88)	5/8" - 4 1/2"	.062	72.94
561-W75BK/C	I	.75 (19.05)	3/4" - 5"	.065	102.48
Natural					
561-W10NA/C	I	1.00 (25.4)	1" - 7"	.070	99.40
561-W11NA/C	I	1.00 (25.4)	1" - 7"	.095	112.28
561-W12NA/C	I	.125 (3.175)	1/16" - 1/4"	.032	14.00
561-W24NA/C	I	.25 (6.35)	1/16" - 2"	.035	25.40
561-W25NA/C	I	.25 (6.35)	3/16" - 2"	.040	26.15
561-W36NA/C	I	.375 (9.53)	5/16" - 3"	.040	37.25
561-W37NA/C	I	.375 (9.53)	5/16" - 3"	.052	41.61
561-W38NA/C	I	.375 (9.53)	5/16" - 3"	.066	42.84
561-W48NA/C	I	.50 (12.70)	3/8" - 3"	.030	39.09
561-W49NA/C	I	.50 (12.70)	3/8" - 4"	.040	41.13
561-W50NA/C	I	.50 (12.70)	3/8" - 4"	.062	53.31
561-W51NA/C	I	.50 (12.70)	/8" - 4"	.072	54.91
561-W62NA/C	I	.625 (15.88)	5/8" - 4 1/2"	.062	71.00
561-W75NA/C	I	.75 (19.05)	3/4" - 5"	.065	86.69

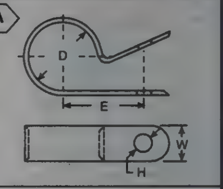
HARDWARE ASSORTMENT KITS

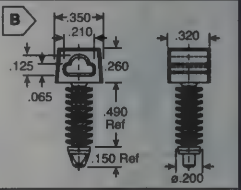
RoHS Compliant

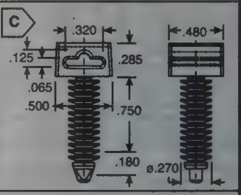
For quantities of 10 and up, call for quote.

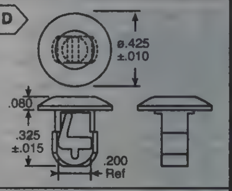
MOUSER STOCK NO.	Description	Price Each	
		1	5
561-M2001	150 Cable Clips in 12 Popular Sizes	31.48	29.98
561-M2007	32 PCB Card Guides, 7 Sizes	31.48	29.98
561-M2011	Wire/Cable Ties Assorted Sizes	31.48	29.98

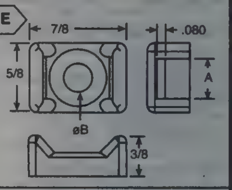
DIMENSIONS: in.

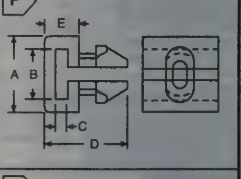
A


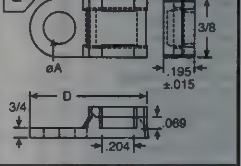
B


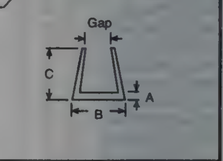
C


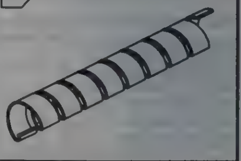
D


E


F


G


H


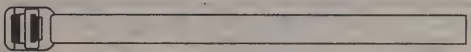
I


PANDUIT Cable Ties

PANDUIT PAN-TY® NYLON CABLE TIES

General Purpose Locking Cable Ties

RoHS Compliant



Features:

- Engineered with quality features designed to increase productivity and reduce your total installed cost
- Low threading force
- No sharp edges
- Finger grip tip
- Bent tip
- Consistent quality assured by tests conducted by military and independent testing labs
- One-piece constructions - up to 250 lbs. minimum loop tensile strength
- Materials and colors to suit the application and environment
- Applicable sizes meet all appropriate Military Specifications and are U.L. Recognized

Nylon 6.6 (Natural) For quantities of 5000 and up, call for quote.

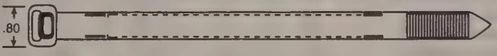
MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	500	1000
Subminiature - Minimum Loop Tensile Strength: 12 lbs.								
644-PLT.6SM-M	PLT.6SM-M	2.80	0.60	0.098	.07	.06	.05	.04
Miniature - Minimum Loop Tensile Strength: 18 lbs.								
644-PLT.7M-M	PLT.7M-M	3.10	0.68	0.098	.07	.06	.05	.04
644-PLT1M-M	PLT1M-M	3.90	0.87	0.098	.07	.06	.05	.04
644-PLT1.5M-M	PLT1.5M-M	5.60	1.25	0.098	.10	.09	.07	.06
644-PLT2M-M	PLT2M-M	8.00	2.00	0.098	.10	.09	.07	.06
Intermediate - Minimum Loop Tensile Strength: 40 lbs.								
644-PLT1.5I-M	PLT1.5I-M	5.60	1.38	0.142	.08	.07	.06	.05
644-PLT2I-M	PLT2I-M	8.00	2.00	0.142	.10	.08	.07	.06
644-PLT2.5I-M	PLT2.5I-M	9.70	2.50	0.145	.14	.13	.12	.11
644-PLT3I-M	PLT3I-M	11.40	3.00	0.145	.15	.14	.13	.12
644-PLT4I-M	PLT4I-M	14.60	4.00	0.145	.24	.22	.19	.18
Standard - Minimum Loop Tensile Strength: 50 lbs.								
644-PLT1S-M	PLT1S-M	4.80	1.00	0.190	.30	.11	.10	.08
644-PLT1.5S-M	PLT1.5S-M	6.20	1.50	0.190	.24	.08	.07	.06
644-PLT2S-M	PLT2S-M	7.40	1.88	0.190	.24	.15	.12	.07
644-PLT2.5S-M	PLT2.5S-M	9.80	2.50	0.190	.32	.18	.17	.16
644-PLT3S-M	PLT3S-M	11.50	3.00	0.190	.82	.20	.19	.18
644-PLT4S-M	PLT4S-M	14.50	4.00	0.190	.54	.24	.21	.19
Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-PLT4H-L	PLT4H-L	14.50	4.00	0.300	.70	.62	.57	.50
644-PLT5H-L	PLT5H-L	17.70	5.00	0.350	1.21	.94	.75	.72
644-PLT6H-L	PLT6H-L	20.90	6.00	0.350	1.34	1.05	.83	.80
644-PLT13H-Q	PLT13H-Q	43.30	13.00	0.350	2.98	2.33	1.86	1.78
Light - Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-PLT6LH-L	PLT6LH-L	21.90	6.00	0.300	1.27	.83	.79	.69
644-PLT7LH-L	PLT7LH-L	24.70	7.00	0.300	1.30	1.02	.81	.76
644-PLT8LH-L	PLT8LH-L	27.60	8.00	0.300	1.79	1.30	1.12	.97
644-PLT9LH-L	PLT9LH-L	30.50	9.00	0.300	1.63	1.27	1.01	.97
644-PLT10LH-L	PLT10LH-L	34.30	10.00	0.300	2.21	1.72	1.38	1.25

Weather Resistant Nylon 6.6 (Black) For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	500	1000
Subminiature - Minimum Loop Tensile Strength: 12 lbs.								
644-PLT.6SM-M0	PLT.6SM-M0	2.80	0.60	0.098	.11	.08	.07	.06
Miniature - Minimum Loop Tensile Strength: 18 lbs.								
644-PLT.7M-M0	PLT.7M-M0	3.10	0.68	0.098	.07	.06	.05	.04
644-PLT1M-M0	PLT1M-M0	3.90	0.87	0.098	.10	.08	.07	.06
644-PLT1.5M-M0	PLT1.5M-M0	5.60	1.25	0.098	.11	.10	.09	.07
644-PLT2M-M0	PLT2M-M0	8.00	2.00	0.098	.11	.10	.09	.07
Intermediate - Minimum Loop Tensile Strength: 40 lbs.								
644-PLT1.5I-M0	PLT1.5I-M0	5.60	1.38	0.142	.11	.10	.08	.07
644-PLT2I-M0	PLT2I-M0	8.00	2.00	0.142	.12	.11	.10	.09
644-PLT2.5I-M0	PLT2.5I-M0	9.70	2.50	0.145	.17	.15	.14	.13
644-PLT3I-M0	PLT3I-M0	11.40	3.00	0.145	.48	.37	.31	.16
644-PLT4I-M0	PLT4I-M0	14.60	4.00	0.145	.33	.29	.28	.25
Standard - Minimum Loop Tensile Strength: 50 lbs.								
644-PLT1S-M0	PLT1S-M0	4.80	1.00	0.190	.33	.12	.11	.10
644-PLT1.5S-M0	PLT1.5S-M0	6.20	1.50	0.190	.24	.10	.08	.07
644-PLT2S-M0	PLT2S-M0	7.40	1.88	0.190	.24	.18	.12	.07
644-PLT2.5S-M0	PLT2.5S-M0	9.80	2.50	0.190	.39	.20	.19	.18
644-PLT3S-M0	PLT3S-M0	11.50	3.00	0.190	.52	.27	.24	.21
644-PLT4S-M0	PLT4S-M0	14.50	4.00	0.190	.58	.30	.26	.24
Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-PLT4H-L0	PLT4H-L0	14.50	4.00	0.300	.75	.69	.61	.58
644-PLT5H-L0	PLT5H-L0	17.70	5.00	0.350	1.59	1.24	.99	.92
644-PLT6H-L0	PLT6H-L0	20.90	6.00	0.350	1.76	1.38	1.10	1.01
644-PLT13H-Q0	PLT13H-Q0	43.30	13.00	0.350	3.53	2.73	2.20	1.99
Light - Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-PLT6LH-L0	PLT6LH-L0	21.90	6.00	0.300	1.52	1.18	.96	.86
644-PLT7LH-L0	PLT7LH-L0	24.70	7.00	0.300	1.54	1.20	.97	.87
644-PLT8LH-L0	PLT8LH-L0	27.60	8.00	0.300	2.08	1.51	1.29	1.25
644-PLT9LH-L0	PLT9LH-L0	30.50	9.00	0.300	1.83	1.43	1.14	1.09

Releaseable Locking Cable Ties

The extended tab end of releasable cable ties permits easy release and reuse even after tie has been pulled up snug by hand. Releasable ties are particularly useful in harnessing where changes are anticipated during development, production or servicing in the field.



Features:

- Tensile Strength: 50lbs.

RoHS Compliant

Nylon 6.6 (Natural) For quantities of 5000 and up, call for quote.

644-PRT2S-M	PRT2S-M	7.40	1.88	0.190	.43	.14	.12	.11
644-PRT3S-M	PRT3S-M	11.50	3.00	0.190	.77	.36	.31	.29
644-PRT4S-M	PRT4S-M	14.50	4.00	0.190	.93	.42	.38	.33

Weather Resistant Nylon 6.6 (Black) For quantities of 5000 and up, call for quote.

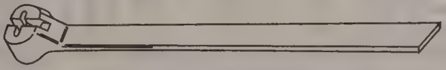
644-PRT2S-M0	PRT2S-M0	7.40	1.88	0.190	.52	.18	.16	.13
644-PRT3S-M0	PRT3S-M0	11.50	3.00	0.190	.88	.40	.37	.32
644-PRT4S-M0	PRT4S-M0	14.50	4.00	0.190	.98	.43	.39	.35

PANDUIT DOME-TOP BARB TY CABLE TIES

Features:

- Stainless steel barb provides consistent performance and reliability
- Tensile strength exceeds Aerospace Standard SAE (AS23190) standards
- Low threading force

RoHS Compliant



Nylon 6.6 (Natural) For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	500	1000
Miniature - Minimum Loop Tensile Strength: 18 lbs.								
644-BT1M-M	BT1M-M	4.00	0.90	0.095	.07	.06	.05	.04
644-BT1.5M-M	BT1.5M-M	6.10	1.50	0.095	.08	.07	.06	.05
644-BT2M-M	BT2M-M	8.00	2.00	0.095	.10	.08	.07	.06
644-BT4M-M	BT4M-M	14.00	4.00	0.095	.39	.15	.14	.11
Intermediate - Minimum Loop Tensile Strength: 40 lbs.								
644-BT1.5I-M	BT1.5I-M	6.10	1.50	0.141	.10	.08	.07	.06
644-BT2I-M	BT2I-M	8.00	2.00	0.141	.11	.10	.08	.07
644-BT3I-M	BT3I-M	11.10	3.00	0.141	.15	.14	.13	.12
644-BT4I-M	BT4I-M	14.30	4.00	0.141	.23	.21	.20	.19
Standard - Minimum Loop Tensile Strength: 50 lbs.								
644-BT2S-M	BT2S-M	8.00	2.00	0.185	.11	.10	.08	.07
644-BT3S-M	BT3S-M	11.20	3.00	0.185	.32	.30	.27	.25
644-BT4S-M	BT4S-M	14.40	4.00	0.185	.26	.23	.19	.17
Light-Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-BT5LH-C	BT5LH-C	18.100	5.000	0.275	.64	.58	.51	.46
644-BT6LH-C	BT6LH-C	21.200	6.000	0.275	.80	.73	.65	.59
644-BT7LH-L	BT7LH-L	24.400	7.000	0.275	1.33	1.20	1.07	1.01
644-BT8LH-L	BT8LH-L	27.500	8.000	0.275	1.78	1.57	1.41	1.34
644-BT9LH-L	BT9LH-L	30.700	9.000	0.275	1.80	1.63	1.45	1.35

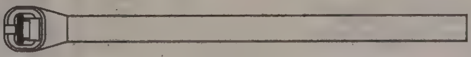
Weather Resistant Nylon 6.6 (Black) For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	500	1000
Miniature - Minimum Loop Tensile Strength: 18 lbs.								
644-BT1M-M0	BT1M-M0	4.00	0.90	0.095	.23	.08	.07	.06
644-BT1.5M-M0	BT1.5M-M0	6.10	1.50	0.095	.12	.11	.10	.08
644-BT2M-M0	BT2M-M0	8.00	2.00	0.095	.12	.11	.10	.08
644-BT4M-M0	BT4M-M0	14.00	4.00	0.095	.53	.20	.18	.16
Intermediate - Minimum Loop Tensile Strength: 40 lbs.								
644-BT1.5I-M0	BT1.5I-M0	6.10	1.50	0.141	.30	.11	.10	.08
644-BT2I-M0	BT2I-M0	8.00	2.00	0.141	.39	.15	.14	.12
644-BT3I-M0	BT3I-M0	11.10	3.00	0.141	.19	.18	.17	.15
644-BT4I-M0	BT4I-M0	14.30	4.00	0.141	.39	.33	.26	.24
Standard - Minimum Loop Tensile Strength: 50 lbs.								
644-BT2S-M0	BT2S-M0	8.00	2.00	0.185	.32	.13	.12	.10
644-BT3S-M0	BT3S-M0	11.20	3.00	0.185	.26	.24	.21	.19
644-BT4S-M0	BT4S-M0	14.40	4.00	0.185	.96	.37	.33	.29
Light-Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-BT5LH-C0	BT5LH-C0	18.10	5.00	0.275	.79	.72	.63	.56
644-BT6LH-C0	BT6LH-C0	21.20	6.00	0.275	.93	.85	.74	.67
644-BT7LH-L0	BT7LH-L0	24.40	7.00	0.275	1.34	1.21	1.07	1.01
644-BT8LH-L0	BT8LH-L0	27.50	8.00	0.275	1.73	1.54	1.37	1.29
644-BT9LH-L0	BT9LH-L0	30.70	9.00	0.275	1.70	1.51	1.35	1.27

PANDUIT SUPER-GRIP CABLE TIES

Features:

- Thin, wide strap body provides flexibility enabling it to conform to bundle while maintaining tensile strength
- High strength allows the tie to withstand rough installation practices that occur in MRO and Construction environments
- Resists lateral movement on the bundle - tie is designed to grip the bundle when tightly applied
- Curved tip is easy to pick up from flat surfaces, allows faster initial threading, and speeds installation



RoHS Compliant

Nylon 6.6 (Natural) For quantities of 5000 and up, call for quote.

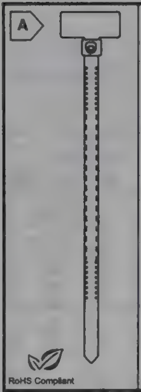
MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	500	1000
Standard - Minimum Loop Tensile Strength: 50 lbs.								
644-SG200S-M	SG200S-M	8.300	2.000	0.225	.15	.11	.10	.07
644-SG250S-C	SG250S-C	10.400	2.600	0.225	.72	.55	.43	.38
644-SG300S-M	SG300S-M	12.400	3.200	0.225	.42	.31	.25	.21
Light-Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-SG350LH-TL	SG350LH-TL	15.300	4.13	0.330	.74	.67	.61	.55

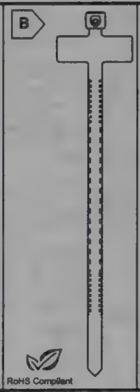
Weather Resistant Nylon 6.6 (Black) For quantities of 5000 and up, call for quote.

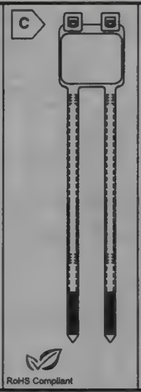
MOUSER STOCK NO.	Panduit Part No.	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
					1	100	500	1000
Standard - Minimum Loop Tensile Strength: 50 lbs.								
644-SG200S-M0	SG200S-M0	8.300	2.000	0.225	.17	.12	.10	.08
644-SG250S-C0	SG250S-C0	10.400	2.600	0.225	.80	.61	.48	.43
644-SG300S-M0	SG300S-M0	12.400	3.200	0.225	.49	.36	.30	.25
Light-Heavy - Minimum Loop Tensile Strength: 120 lbs.								
644-SG350LH-TL0	SG350LH-TL0	15.300	4.13	0.330	.83	.76	.69	.64

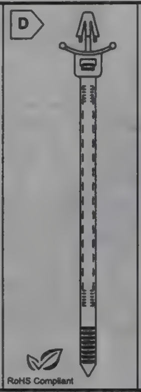
PANDUIT Cable Ties and Tools

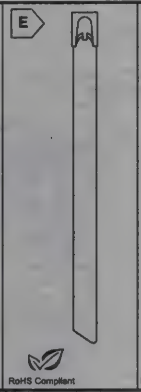
RoHS Compliant This page of product is compliant.

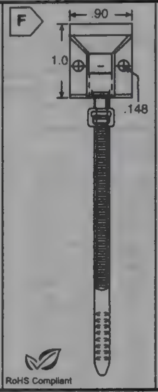


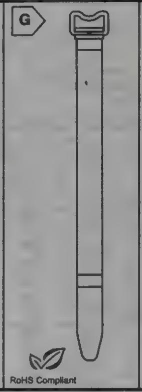


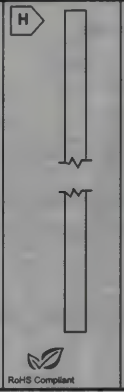


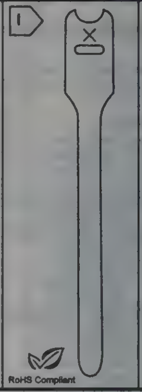


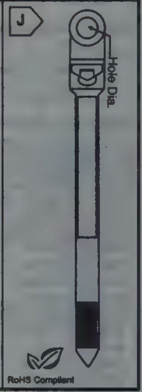












PANDUIT NYLON 6.6 MARKER TIES

- Natural Nylon

MOUSER STOCK NO.	Fig.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
						1	100	500	1000
Nylon 6.6 (Natural)									
644-PLF1M-M	A	18	4.3	0.87	0.098	.33	.16	.14	.13
644-PLM1M-M	B	18	3.9	0.75	0.098	.38	.16	.14	.13
644-PLM2M-M	B	18	8	2	0.098	.50	.29	.24	.21
644-PLM2S-D	B	18	7.4	1.75	0.098	.70	.27	.26	.25
644-PL2M2S-L	C	50	7.4	1.75	0.185	1.47	1.29	1.23	1.11
Weather Resistant Nylon 6.6 (Black)									
644-PLF1M-M0	A	18	4.3	0.87	0.098	.46	.27	.21	.18
644-PLM2M-M0	B	18	8	2	0.098	.52	.26	.25	.24
644-PLM2S-D0	B	18	7.4	1.75	0.098	.94	.37	.33	.31
Nylon 6.6 Winged Push Mount Ties									
644-PLWP1M-D	D	18	4.3	.87	.098	.25	.21	.20	.18
644-PLWP1.5I-C	D	40	6.0	1.25	.135	.37	.29	.24	.22
644-PLWP1S-C	D	50	5.2	1.00	.190	.40	.31	.25	.23
644-PLWP2S-C	D	50	7.8	1.75	.190	.45	.35	.29	.26
644-PLWP3H-TL	D	120	12.0	3.00	.300	.87	.77	.73	.65

PANDUIT PAN-STEEL™ STAINLESS STEEL TIE SYSTEM

644-MLT1S-CP	E	100	5.00	1.00	0.18	.99	.89	.79	.69
644-MLT2S-CP	E	100	7.90	2.00	0.18	1.06	.95	.85	.75
644-MLT4H-LP	E	100	14.30	4.00	0.18	1.50	1.35	1.20	1.12
644-MLT4S-CP	E	100	14.20	4.00	0.18	1.25	1.12	1.00	.87
644-MLT6H-LP	E	100	20.50	6.00	0.18	2.23	2.01	1.79	1.67
644-MLT6S-CP	E	100	20.40	6.00	0.18	1.86	1.69	1.50	1.41
644-MLT2H-LP	E	250	7.90	2.00	0.31	1.28	1.15	1.02	.95

PANDUIT STAINLESS STEEL MARKER PLATE

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Size (W x L)	Description	Price Each			
			1	100	500	1000
644-MMP350-C	.75" x 3.50"	304 stainless steel	.85	.77	.67	.60

PANDUIT ADHESIVE MOUNT/CABLE TIE

Adhesive mount and cable tie molded as one piece helps reduce inventory costs.

MOUSER STOCK NO.	Fig.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
						1	100	500	1000
644-PLA2S-A-Q	F	50	7.30	1.85	.19	1.49	1.33	1.08	1.02

PANDUIT TAK-TY® HOOK AND LOOP CABLE TIES

- Black

MOUSER STOCK NO.	Fig.	Tensile Strength (Lbs.)	Length (In.)	Max. Bundle Dia. (In.)	Width (In.)	Price Each			
						1	10	100	500
644-HLS1.5S-X0	H	50	6.0	1.5	.75	1.06	.82	.73	.71
644-HLSP1.5S-X0	H	50	6.0	1.5	.75	1.44	1.12	.91	.85
644-HLT2I-X0	I	40	8.0	1.9	.50	1.32	1.17	.96	.81
644-HLTP2I-X0	I	40	8.0	1.9	.50	1.67	1.31	1.04	1.00
644-HLC3S-X0	G	50	12.0	3.0	.75	1.76	1.38	1.25	1.16
644-HLTP3I-X0	I	50	12.0	3.0	.75	2.16	1.69	1.36	1.29
644-HLS3S-X0	H	50	12.0	3.2	.75	2.03	1.92	1.61	1.24
644-HLSP3S-X0	H	50	12.0	3.2	.75	2.91	2.27	1.82	1.73
644-HLT3I-X0	I	40	12.0	3.2	.50	2.56	2.46	1.85	1.60
644-HLC5S-X0	G	50	18.0	5.0	.75	2.33	2.13	1.76	1.45
644-HLS5S-X0	H	50	18.0	5.0	.75	3.41	3.24	2.40	2.04
644-HLSP5S-X0	H	50	18.0	5.0	.75	3.64	2.84	2.27	2.16
644-HLM-15R0	H	18	180.0	Various	.33	13.54	12.29	11.93	11.66
644-HLS-15R0	H	50	180.0	Various	.75	23.38	21.12	18.73	17.60

PANDUIT NYLON 6.6 CLAMP TIES

Clamps are used to attach a bundle to another surface such as a control panel, wall or ceiling using another fastner. The design allows for bundling before or after screwing clamp in place.

Nylon 6.6 (Natural)

MOUSER STOCK NO.	Fig.	Tensile Strength (Lbs.)	Hole Dia.	Length (In.)	Max. Bundle Dia. (In.)	Screw Size	Price Each			
							1	100	500	1000
Miniature										
644-PLC1M-S4-M	J	18	0.118	4.3	0.75	#4	.36	.18	.17	.16
Intermediate										
644-PLC-1.5I-S8-M	J	40	0.172	6.1	1.25	#8	.38	.18	.17	.16
Standard										
644-PLC2S-S10-M	J	50	0.206	7.9	1.84	#10	.39	.18	.17	.16
644-PLC3S-S10-M	J	50	0.206	12	3	#10	.63	.44	.33	.27
644-PLC4S-S10-M	J	50	0.206	15	4	#10	.74	.43	.40	.39

Weather Resistant Nylon 6.6 (Black)

MOUSER STOCK NO.	Fig.	Tensile Strength (Lbs.)	Hole Dia.	Length (In.)	Max. Bundle Dia. (In.)	Screw Size	Price Each			
							1	100	500	1000
Intermediate										
644-PLC1.5I-S8-M0	J	40	0.172	6.1	1.25	#8	1.13	.42	.38	.33
Standard										
644-PLC2S-S6-M0	J	50	0.206	7.9	1.84	#6	.49	.40	.37	.33
644-PLC2S-S10-M0	J	50	0.206	7.9	1.84	#10	.49	.40	.37	.33

PANDUIT CABLE TIE INSTALLATION TOOLS

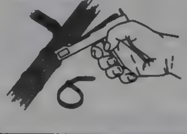
RoHS Compliant

- The preferred tool design in the industry.
- Lightweight and balanced.
- Requires no special maintenance.
- Rugged all-steel construction
- Easy to operate.

GS4H
- Installs standard, light heavy and heavy cross section cable ties.
- Installs superflex cable ties.
- Q.P.L. per Mil. std. MS90387-2 and Mil. spec. Mil-T-81306A.

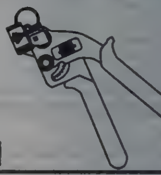
644-GS4H	343.82

STS2
- Installer controlled tension and cut-off.
- Perfect size for pocket or tool box.
- Especially suited to maintenance and construction applications.
- Installs miniature, intermediate and standard ties.



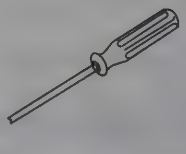
644-STS2	28.62

ST2MT
- Used with all Pan-Steel™ type MLT.
- Single handle trigger for fast installation.
- Cut off capability with the twist of the wrist.



644-ST2MT	319.49

HTMT
- Specially adapted screwdriver type tool is used to tension standard and heavy cross section ties safely.
- Used with all Pan-Steel™ type MLT ties, type MLTC coated ties and type MLPT plenum ties.
- Manual tension, no cut-off.



644-HTMT	22.26

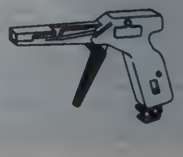
GTS
- Installs miniature, intermediate and standard cross section cable ties.
- Manual tool/lightweight 8.8 oz.
- Meets Mil. std. MS90387-1

644-GTS	168.53

GTH
- Installs Standard, Heavy-Standard, Light-Heavy and Heavy cross section cable ties.
- Manual tool/ lightweight 11.2 oz

644-GTH	320.24

GS2B
- Tool controlled tension and cut-off.
- Automatic tension and cut-off by squeezing trigger.
- Reduces fatigue and increases productivity.
- Especially suited to medium production applications.
- Q.P.L. per Mil. Std. MS90387-1
- Installs miniature, intermediate and standard ties.



644-GS2B	210.97

PANDUIT Wiring Accessories

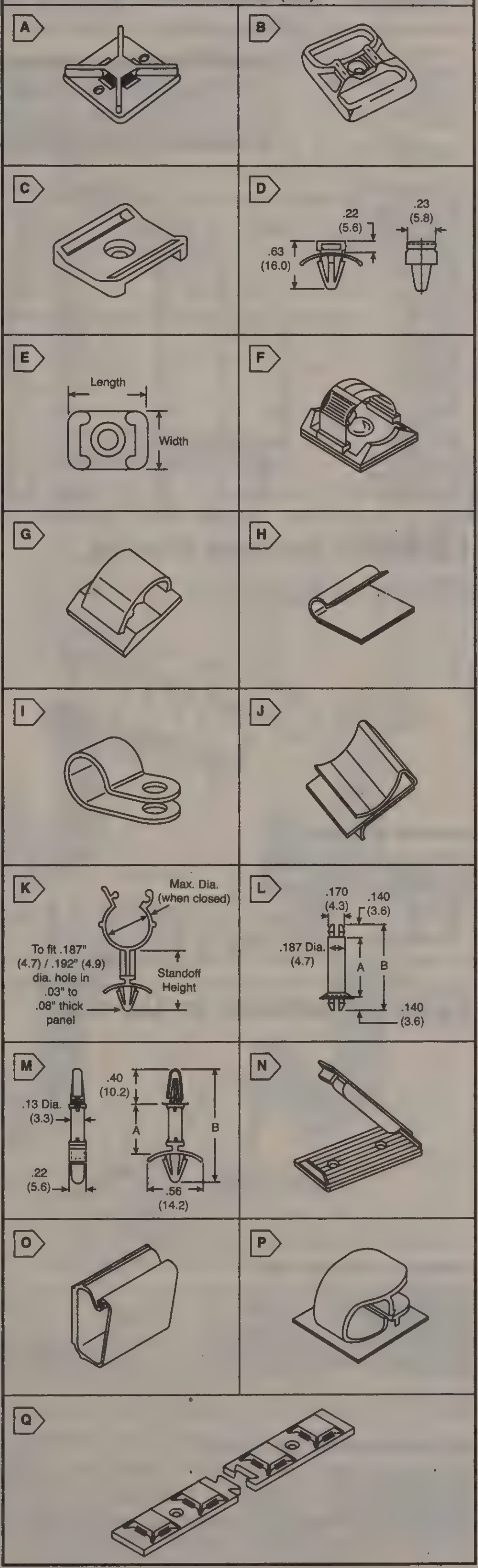
RoHS Compliant **This page of product is compliant.**

WIRING ACCESSORIES

RoHS Compliant **For quantities of 5000 and up, call for quote.**

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	100	500	1000
Cable Tie Mounts						
644-ABM2S-A-D	A	Adhesive backed, 1.0" x 1.0", 4 way	.75	.61	.55	.42
644-ABM2S-AT-D	A	Adhesive backed, 1.0" x 1.0", 4 way	.66	.57	.54	.49
644-ABM3H-A-L	A	Adhesive backed, 1.5" x 1.5", 4 way	2.01	1.78	1.56	1.30
644-ABM1M-A-M	A	Adhesive backed, .50" x .50", 4 way	.90	.73	.66	.48
644-ABM1M-AT-M	A	Adhesive backed, .50" x .50", 4 way	1.17	.55	.49	.43
644-ABM100-A-D	A	Adhesive backed, 1.0" x 1.0", 4 way	1.29	1.17	1.06	.88
644-ABM100-AT-D	A	Adhesive backed, 1.0" x 1.0", 4 way, white,	.67	.60	.55	.50
644-ABMM-A-D	A	Adhesive backed, .75" x .75", 4 way	.95	.86	.78	.67
644-ABMM-AT-D	A	Adhesive backed, .75" x .75", 4 way	.52	.46	.44	.39
644-ABM4H-A-T	A	Adhesive backed, 2.0" x 2.0", 4 way	1.46	1.29	1.23	1.10
644-ABMS-A-D	B	Adhesive backed, 1.13" x 1.13", 2 way	.76	.69	.61	.48
644-ABMT-A-C	C	Adhesive backed, 1.12" x 1.12" for Hook & Loop cable tie	1.94	1.50	1.22	1.10
644-PWMS-H25-C	D	Push mount, for .105" thick panel, .25" hole diameter	.41	.34	.31	.26
644-TM1S4-M	E	Mechanically applied #4 screw or rivet, .33" x .51"	.20	.19	.18	.16
644-TM2S6-M	E	Mechanically applied #6 screw or rivet, .42" x .63"	.18	.17	.14	.13
644-TM2S8-M	E	Mechanically applied #8 screw or rivet, .42" x .63"	.18	.17	.14	.13
644-TM3S10-M	E	Mechanically applied #10 screw or rivet, .62" x .87"	.33	.29	.28	.25
644-TM3S8-M	E	Mechanically applied #8 screw or rivet, .62" x .87"	.73	.57	.51	.25
644-TM3S25-M	E	Mechanically applied 1/4 screw or rivet, .62" x .87"	.32	.29	.27	.25
644-TM3R6-M	E	Mechanically applied #6 screw or rivet, .62" x .87"	.32	.29	.27	.25
Wire Mounting Devices						
644-ARC.68-A-C	F	Adhesive backed clamp, 1.0"x1.0", max bundle ø.69"	.76	.68	.58	.52
644-ARC.68-A-C14	F	Adhesive backed clamp, 1.0"x1.0", max bundle ø.69"	.91	.83	.76	.64
644-ARC.68-S6-C	F	#6 (M3) Pan head screw, 1.0"x1.0", max bundle ø.69"	.50	.45	.43	.38
644-ARC.68-S6-C14	F	#6 (M3) Pan head screw, 1.0"x1.0", max bundle ø.69"	.57	.46	.39	.38
644-ACC19-A-M	G	Adhesive backed clip, .75"x.62", max bundle ø.19"	.70	.63	.56	.48
644-ACC38-A-M	G	Adhesive backed clip, 1.0"x1.0", max bundle ø.38"	.82	.75	.67	.55
644-AJC12-A-C	H	Adhesive backed clip, .77"x.63"	.44	.39	.31	.25
644-AJC25-A-C	H	Adhesive backed clip, .92"x1.50"	.42	.38	.32	.25
644-CCH12-S10-M	I	#10 screw clamp, .125", width .50"	.24	.08	.07	.06
644-CCH19-S10-M	I	#10 screw clamp, .187", width .50"	.24	.08	.07	.06
644-CCH25-S10-M	I	#10 screw clamp, ø.25", width .50"	.20	.18	.15	.14
644-CCH31-S10-M	I	#10 screw clamp, .312", width .50"	.26	.10	.08	.07
644-CCH38-S10-M	I	#10 screw clamp, ø.375", width .50"	.26	.11	.10	.08
644-CCH44-S10-M	I	#10 screw clamp, .437", width .50"	.26	.11	.10	.08
644-CCH50-S10-M	I	#10 screw clamp, ø.50", width .50"	.26	.11	.10	.08
644-CCS12-S8-M	I	#8 screw clamp, ø.125", width .375"	.17	.16	.11	.08
644-CCS19-S8-M	I	#8 screw clamp, ø.187", width .375"	.21	.08	.07	.06
644-CCS25-S8-M	I	#8 screw clamp, ø.250", width .375"	.17	.15	.12	.08
644-CCS31-S8-M	I	#8 screw clamp, ø.312", width .375"	.21	.08	.07	.06
644-CCS38-S8-C	I	#8 screw clamp, ø.375", width .375"	.14	.13	.10	.08
644-CCS44-S8-M	I	#8 screw clamp, ø.437", width .375"	.23	.08	.07	.06
644-CCS50-S8-M	I	#8 screw clamp, ø.500", width .375"	.18	.17	.13	.10
644-FCC-A-C8	J	Adhesive 1.0"x1.09" Flat cable mount backed	.45	.41	.33	.27
644-WS25-25-C	K	Wire standoff, max. ø.25" (closed), height .25"	.34	.31	.25	.21
644-WS25-50-C	K	Wire standoff, max. ø.25" (closed), height .50"	.35	.31	.27	.23
644-WS50-25-C	K	Wire standoff, max. ø.50" (closed), height .25"	.39	.34	.28	.24
644-WS50-50-C	K	Wire standoff, max. ø.50" (closed), height .50"	.42	.36	.29	.25
644-CBP12-C	L	Circuit board post .125 standoff height	.23	.21	.16	.13
644-CBP25-C	L	Circuit board post .250 standoff height	.23	.21	.16	.14
644-CBP37-C	L	Circuit board post .375 standoff height	.23	.21	.16	.14
644-CBP50-C	L	Circuit board post .500 standoff height	.23	.21	.17	.15
644-CBP75-C	L	Circuit board post .750 standoff height	.25	.20	.18	.15
644-CBP100-C	L	Circuit board post 1.00 standoff height	.28	.21	.19	.16
644-CBLS25-C	M	Circuit board locking support .250 standoff height	.22	.20	.14	.13
644-CBLS50-C	M	Circuit board locking support .500 standoff height	.24	.22	.18	.14
644-CBLS75-C	M	Circuit board locking support .750 standoff height	.27	.21	.18	.16
Flat Cable Mounting Devices						
644-FCM1-A-C14	N	Adhesive backed, cable width 1.00"	1.26	.98	.83	.77
644-FCM1.2-A-C14	N	Adhesive backed, cable width 1.20"	1.56	1.22	.92	.88
644-FCM2-A-C14	N	Adhesive backed, cable width 2.00"	1.39	1.08	.99	.87
644-FCM3.25-A-L14	N	Adhesive backed, cable width 3.25"	2.55	1.66	1.32	1.23
644-FCM1-S6-C14	N	Screw mounted, cable width 1.00"	1.20	.94	.87	.79
644-FCM1.2-S6-C14	N	Screw mounted, cable width 1.20"	1.49	1.17	.95	.89
644-FCM2-S6-C14	N	Screw mounted, cable width 2.00"	1.55	1.21	.99	.91
644-FCM3.25-S6-L14	N	Screw mounted, cable width 3.25"	1.84	1.45	1.18	1.06
Latching Clip						
644-LC3-A-C8	O	Adhesive backed, .75" x .46"	.64	.56	.53	.49
644-LC5-A-C8	O	Adhesive backed, 1.00" x .53"	.61	.54	.51	.47
644-LC10-A-L8	O	Adhesive backed, 1.00" x .84"	.72	.64	.62	.56
LWC Type						
644-LWC19-A-M14	P	Adhesive backed clamp, .85"x.61", max bundle .19"	.33	.29	.28	.26
644-LWC25-A-C14	P	Adhesive backed clamp, .88"x1.0", max bundle .25"	.67	.53	.42	.38
644-LWC38-A-C14	P	Adhesive backed clamp, 1.0"x1.0", max bundle .38"	.73	.58	.42	.42
644-LWC50-A-L14	P	Adhesive backed clamp, 1.26"x1.0", max bundle .50"	1.22	.96	.74	.70
644-LWC75-A-L14	P	Adhesive backed clamp, 1.48"x1.24", max bundle .75"	3.12	2.44	1.91	1.77
644-LWC100-A-L14	P	Adhesive backed clamp, 2.21"x1.97", max bundle 1.00"	3.24	2.53	2.02	1.85
Multiple Bridge Mount						
644-ABMQS-A-C	Q	Adhesive backed, 5.16" x .75", Natural, rubber	3.34	2.97	2.84	2.55
644-ABMQS-A-Q20	Q	Adhesive backed, 5.16" x .75", Black, rubber	4.41	3.92	3.73	3.36
644-ABMQS-AT-C	Q	Adhesive backed, 5.16" x .75", Natural, acrylic	4.06	3.61	3.46	3.12
644-ABMQS-AT-C0	Q	Adhesive backed, 5.16" x .75", Black, acrylic	4.06	3.61	3.46	3.12

DIMENSIONS: in. (mm)



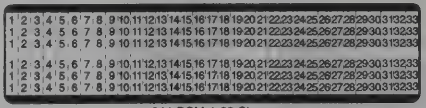
PANDUIT Wire Identification Products

RoHS Compliant **This page of product is compliant.**

PAN-CODE™ WIRE MARKER CARDS

All markers are mounted on a flexible release coated plastic for easy marker removal.

- 1-1/2" long for wire O.D. up to 3/8"
- One card for each number
- Vinyl cloth
- Temperature: -50° to +170°F, indoor


644-PCM-1-33 Shown

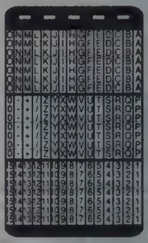
RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Legend	Markers Per Card	Price Each			
			1	25	100	500
644-PCM-0	0	36	2.71	2.05	1.86	1.64
644-PCM-1	1	36	2.71	2.05	1.86	1.64
644-PCM-2	2	36	2.71	2.05	1.86	1.64
644-PCM-3	3	36	2.59	1.95	1.77	1.56
644-PCM-4	4	36	2.71	2.05	1.86	1.64
644-PCM-5	5	36	2.71	2.05	1.86	1.64
644-PCM-6	6	36	2.71	2.05	1.86	1.64
644-PCM-7	7	36	2.71	2.05	1.86	1.64
644-PCM-8	8	36	2.71	2.05	1.86	1.64
644-PCM-9	9	36	2.71	2.05	1.86	1.64
644-PCM-25	25	36	1.93	1.55	1.37	1.25
644-PCM-49	49	36	1.93	1.55	1.37	1.25
644-PCM-99	99	36	1.93	1.55	1.37	1.25
644-PCM-1-33	1 thru 33	33	2.59	1.95	1.77	1.56
644-PCM-34-66	34 thru 663	33	2.71	2.05	1.86	1.64
644-PCMCP-1-25	1 thru 25	36	50.86	45.80	40.48	37.28

PAN-CODE™ WIRE MARKER BOOKS

- Material: Vinyl cloth
- 1-3/8" long for wire O.D. up to 3/8"
- Each marker is preformed to form half markers for wire O.D. up to 3/16"
- .22 x .25 long terminal block marker is provided for each full length marker
- 10 pages per book
- Legend: Black
- Background: White


644-PCMB-2 Shown

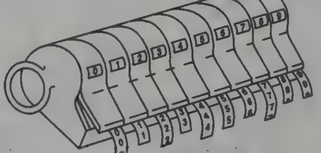
RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Legend	Markers Per Card	Price Each			
			1	10	50	100
644-PCMB-1	0 thru 9	45	23.12	21.38	18.40	16.90
644-PCMB-2	A-Z, 0-15, +, -, /	10	23.12	21.50	18.40	16.90
644-PCMB-3	1 thru 45	10	23.12	21.50	18.40	16.90
644-PCMB-4	1, 2, 3	150	23.12	21.50	18.40	16.90
644-PCMB-5	A,B,C	150	23.12	21.50	18.40	16.90
644-PCMB-8	1 thru 15	6	23.12	21.50	18.40	16.90
	16 thru 90	4				
	A-Z, +,-,/,0	2				
644-PCMB-9	1-3, A-C,	45	23.12	21.50	18.40	16.90
	L1-L3, T1-T3	30				

TAPE WIRE MARKERS

NEMA Colors Consist of: Black, LT. Blue, Brown, Gray, LT. Green, Orange, Purple, Red, White, Yellow



RoHS Compliant

Dispenser and Tape

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each		
			1	10	25
644-PMD	PMD	Empty Dispenser	18.46	16.59	14.96
644-PMD-0-9	PMD-0-9	0-9 in dispenser 8" Black	46.12	41.66	37.88
644-PMD-NEMA	PMD-NEMA	One roll of each color filled in dispenser	46.82	42.23	37.87

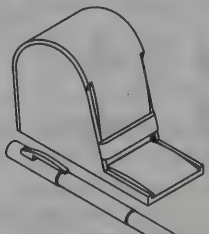
8FT. Length Refill Tape

Used with PMD Dispenser (644-PMD)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Legend	Price Each		
			1	25	100
644-PMDR-0	PMDR-0	0	2.96	2.69	2.39
644-PMDR-1	PMDR-1	1	2.96	2.69	2.39
644-PMDR-2	PMDR-2	2	2.74	2.48	2.22
644-PMDR-3	PMDR-3	3	2.44	2.20	1.97
644-PMDR-4	PMDR-4	4	2.96	2.69	2.39
644-PMDR-5	PMDR-5	5	2.96	2.69	2.39
644-PMDR-6	PMDR-6	6	2.96	2.69	2.39
644-PMDR-7	PMDR-7	7	2.96	2.69	2.39
644-PMDR-8	PMDR-8	8	2.96	2.69	2.39
644-PMDR-9	PMDR-9	9	2.96	2.69	2.39
644-PMDR-0-9	PMDR-0-9	0-9	29.67	26.84	24.01
644-PMDR-BLK	PMDR-BLK	Black	2.96	2.69	2.39
644-PMDR-BL	PMDR-BL	Blue	2.96	2.69	2.39
644-PMDR-BRN	PMDR-BRN	Brown	2.96	2.69	2.39
644-PMDR-GRY	PMDR-GRY	Gray	2.74	2.48	2.22
644-PMDR-GRN	PMDR-GRN	Green	2.96	2.69	2.39
644-PMDR-ORN	PMDR-ORN	Orange	2.96	2.69	2.39
644-PMDR-PUR	PMDR-PUR	Purple	2.96	2.69	2.39
644-PMDR-RED	PMDR-RED	Red	2.96	2.69	2.39
644-PMDR-WHT	PMDR-WHT	White	2.96	2.69	2.39
644-PMDR-YEL	PMDR-YEL	Yellow	2.96	2.69	2.39
644-PMDR-NEMA	PMDR-NEMA	One of ea. Color	30.42	27.43	24.60

DISPENSER KIT AND TAPE



RoHS Compliant

Dispenser, PFX-0 Pen, Tape

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each		
			1	10	25
644-S100X125VARY	S100X125VARY	1.0" X 1.5" Vinyl	32.95	29.66	26.37
644-S100X225VARY	S100X225VARY	1.0" X 3.0" Vinyl	39.42	35.45	31.49

RoHS Compliant

Self-Laminated Blank Tape Refill

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each		
			1	10	25
644-S100X125VAFY	S100X125VAFY	1.0" X 1.5" 200/Roll	19.25	17.45	15.50
644-S100X225VAFY	S100X225VAFY	1.0" x 3.0" 100/Roll	18.54	16.54	14.73

THERMAL TRANSFER LABELS

Polyester Thermal Transfer Labels

Features:

- Durable
- Does not stretch easily or tear
- High Temperature
- Polyester White

Suggested Uses: Circuit Board Labeling, Rating Plans, Bar Code Labels

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Description	Qty. Per Pkg.	Price Each		
				1	5	10
644-TTC5Y-10	TTC5Y-10	0.75" X 0.25"	10,000	53.63	48.37	43.38
644-TTC6Y-10	TTC6Y-10	0.90" X 0.25"	10,000	78.47	70.78	63.47
644-TTC8Y-10	TTC8Y-10	1.00" X 0.50"	10,000	128.22	115.65	103.71
644-TTC19Y-2.5	TTC19Y-2.5	2.00" X 0.50"	2,500	67.79	64.91	55.17
644-TTC38Y-1	TTC38Y-1	4.00" X 4.00"	1,000	283.12	255.37	228.99

Polyimide Thermal Transfer Labels

Panduit Polyimide Thermal Transfer labels are specifically designed for circuit board manufacturing where there will be contact with direct wave solder and IR reflow.

Features:

- Technically engineered to withstand "flash" temperatures as high as 617°F for up to five minutes and temperatures up to 482°F for 30 minutes.
- UL approved for thermal transfer printers

RoHS Compliant

*To be used on flat surfaces only

For quantities of 50 and up, call for quote.

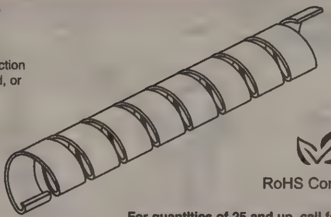
MOUSER STOCK NO.	Panduit Part No.	Color	Description	Price Per 10,000 Pack		
				1	5	10
644-TTC1K-10	TTC1K-10	Tan	0.25" X 0.25"	370.32	333.97	299.55
644-TTC1KW-10	TTC1KW-10	White	0.25" X 0.25"	370.32	333.97	299.55
644-TTC2K-10	TTC2K-10	Tan	0.38" X 0.38"	311.70	281.20	252.20
644-TTC2KW-10	TTC2KW-10	White	0.38" X 0.38"	335.24	302.43	271.24
644-TTC3K-10	TTC3K-10	Tan	0.50 X 0.44"	627.81	566.28	507.97
644-TTC3KW-10	TTC3KW-10	White	0.50 X 0.44"	627.81	566.28	507.97

PANDUIT Abrasion Protection

PANDUIT SPIRAL WRAP

Clear polyethylene wrap provides abrasion protection for wire bundles. Can be installed gapped, butted, or a combination of both.

Other sizes, colors, and materials available. Contact a Mouser Service Representative.



RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	O.D. Size: in.	Color	Material	Price Each	
					1	10
644-T12F-C	T12F-C	.125D x 100FT	Natural	Polyethylene	57.59	54.41
644-T25F-C	T25F-C	.250D x 100FT	Natural	Polyethylene	72.32	64.32
644-T25F-C3	T25F-C3	.250D x 100FT	Orange	Polyethylene	73.11	65.12
644-T25F-C4	T25F-C4	.250D x 100FT	Yellow	Polyethylene	61.52	54.73
644-T38F-C	T38F-C	.375D x 100FT	Natural	Polyethylene	96.62	85.96
644-T50F-C	T50F-C	.500D x 100FT	Natural	Polyethylene	205.73	183.01
644-T50F-C3	T50F-C3	.500D x 100FT	Orange	Polyethylene	167.80	149.27
644-T50F-C4	T50F-C4	.500D x 100FT	Yellow	Polyethylene	167.80	149.27
644-T62F-C	T62F-C	.625D x 100FT	Natural	Polyethylene	159.38	141.78
644-T75F-C	T75F-C	.750D x 100FT	Natural	Polyethylene	193.94	184.24
644-T12N-C	T12N-C	.125D x 100FT	Natural	Nylon	110.42	107.60
644-T25N-C	T25N-C	.250D x 100FT	Natural	Nylon	159.94	149.84
644-T38N-C	T38N-C	.375D x 100FT	Natural	Nylon	219.99	195.71
644-T50N-C	T50N-C	.500D x 100FT	Natural	Nylon	382.15	339.96

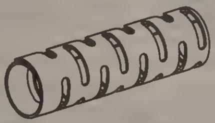
PANDUIT PAN-WRAP™ SPLIT HARNESS WRAP & INSTALLATION TOOL

PAN-WRAP Split Harness Wrap is an innovative addition to the PANDUIT ®Abrasion Protection Line. Bundles and protects wires or cables. Slotted walls allow for breakouts along the length of the harness. Installation tool with 180° opening allows easy loading of maximum bundle diameters to speed installation, providing the lowest installed cost.

Patented slot pattern provides improved flexibility and abrasion protection in any application. Large overlap accommodates a wide range of bundle diameters. Unique wall design provides for easy wire or cable breakouts. Innovative design maintains uniform bundle protection in dynamic applications. Packaged on a reel for easy handling and dispensing of product.

Harness Wrap

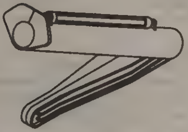
Other sizes available. Contact a Mouser Service Representative.



RoHS Compliant

MOUSER STOCK NO.	Panduit Part No.	Size I.D.: in. (mm)	Color	Length Ft.	Price Each	
					1	5
644-PW50F-T	PW50F-T	.50 (12.7)	Natural	200	231.80	219.60
644-PW75F-C	PW75F-C	.75 (19.1)	Natural	100	163.40	154.80
644-PW50F-T20	PW50F-T20	.50 (12.7)	Black	200	276.04	261.30
644-PW75F-C20	PW75F-C20	.75 (19.1)	Black	100	282.15	267.90

Installation Tool



RoHS Compliant

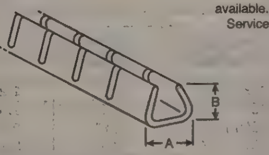
MOUSER STOCK NO.	Panduit Part No.	Size	Color	For use with	Price Each	
					1	5
644-PWT50	PWT50	1/2"	White	PW50F	6.23	5.79
644-PWT75	PWT75	3/4"	White	PW75F	8.84	8.37

PANDUIT GROMMET EDGING

Protects and insulates wires and cables from chafing against sharp edges.

Other sizes and materials available. Contact a Mouser Service Representative.

- Slotted wall



RoHS Compliant

F= Natural polyethylene
FR= UL94V-0, flame retardant polyethylene

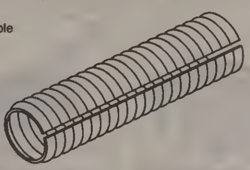
MOUSER STOCK NO.	Panduit Part No.	Dimensions: in.		Price Per 100 Ft. Roll		
		A	B	1	10	25
644-GEE36F-C	GEE36F-C	.026	.036	38.99	34.59	32.82
644-GEE62F-C	GEE62F-C	.036	.062	48.00	42.69	40.50
644-GEE99F-C	GEE99F-C	.062	.099	58.87	55.23	53.14
644-GEE144F-C	GEE144F-C	.099	.144	64.18	57.11	54.17
644-GEE62FR-C	GEE62FR-C	.036	.062	61.46	57.77	55.93
644-GEE99FR-C	GEE99FR-C	.062	.099	84.97	75.30	71.68
644-GEE144FR-C	GEE144FR-C	.099	.144	68.01	60.50	57.41

PANDUIT CORRUGATED SPLIT LOOM TUBING

Used where spiral wrap or braided expandable sleeving may be difficult to install.

- Material: Black polyethylene

Other sizes available. Contact a Mouser Service Representative.



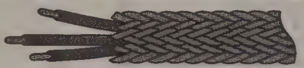
RoHS Compliant

MOUSER STOCK NO.	Panduit Part No.	Size: In. (ID x OD)	Loom Tubing Wall	Reel Length	Price Each	
					1	5
644-CLT25F-C20	CLT25F-C20	.265 x .390	Slit	100 feet	46.82	41.49
644-CLT50F-C20	CLT50F-C20	.505 x .670	Slit	100 feet	58.62	51.95
644-CLTS25F-C	CLTS25F-C	.265 x .390	Solid	100 feet	42.49	37.81
644-CLTS38F-C	CLTS38F-C	.414 x .556	Solid	100 feet	60.76	53.92
644-CLTS50F-C	CLTS50F-C	.505 x .670	Solid	100 feet	63.26	57.75

PANDUIT BRAIDED EXPANDABLE SLEEVING

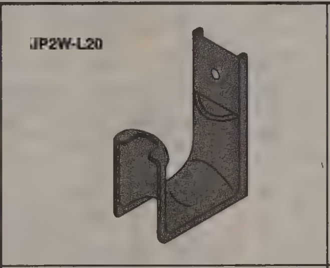
Provides continuous abrasion resistance for wires, cables and tubing.
Lightweight, durable protection. Highly flexible open weave will not trap heat or humidity.

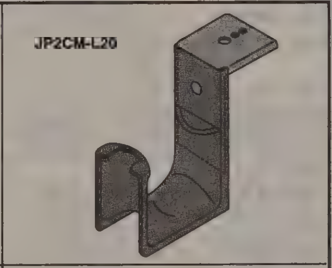
- Material: black polyethylene terephthalate

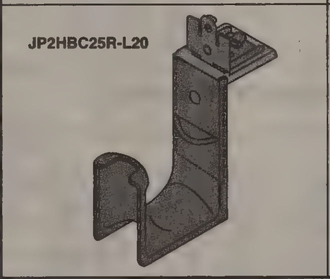


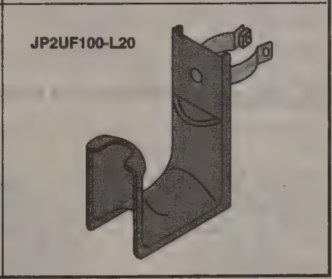
RoHS Compliant

MOUSER STOCK NO.	Panduit Part No.	Nominal ID: in.	Nominal Diameter Range: in.	Reel Length	Price Each	
					1	5
644-SE12P-TR0	SE12P-TR0	1/8	.094 to .250	200 feet	115.69	101.08
644-SE25P-TR0	SE25P-TR0	1/4	.125 to .375	200 feet	155.39	135.76
644-SE38P-TR0	SE38P-TR0	3/8	.188 to .562	200 feet	218.09	190.53
644-SE50P-CR0	SE50P-CR0	1/2	.250 to .750	100 feet	155.88	141.71
644-SE75P-CR0	SE75P-CR0	3/4	.500 to 1.25	100 feet	184.00	160.75
644-SE125P-LR0	SE125P-LR0	1 1/4	.750 to 1.50	50 feet	110.67	96.69
644-SE150P-LR0	SE150P-LR0	1 1/2	1.00 to 2.25	50 feet	146.48	128.01


JP2W-L20


JP2CM-L20


JP2HBC25R-L20


JP2UF100-L20

PANDUIT J-PRO CABLE SUPPORT SYSTEM

The J-Pro Cable Support System is designed to provide a competitive alternative to metal J Hooks for routing communication cables. It is suitable for use in air handling space and prevents pinch points that could cause damage to cable. The pre-riveted assemblies allow for attachment to ceilings, beams, threaded rods, drop wires and under floor supports to meet requirements of a variety of applications.

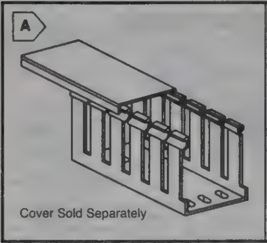
- Max bundle capacity: 2"
- Max static load: 30 lbs

RoHS Compliant

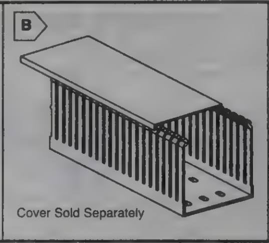
MOUSER STOCK NO.	Panduit Part No.	Description	Price Each		
			1	10	25
Wall Mount					
644-JP2W-L20	JP2W-L20	One 1/4" mtg hole for user supplied screw	2.58	2.32	2.09
Ceiling Mount					
644-JP2CM-L20	JP2CM-L20	One 3/16", 1/4" and 3/8" mounting hole	3.27	2.94	2.65
Hammer-On Beam Clamp					
644-JP2HBC25R-L20	JP2HBC25R-L20	For use with flanges1/8"-1/4" thick. Rotates 360°	4.38	3.94	3.55
Under Floor Pedestal Support Clamp					
644-JP2UF100-L20	JP2UF100-L20	For use with pedestal support up to 1" in diameter	3.24	2.92	2.63

PANDUIT Wiring Duct and Accessories

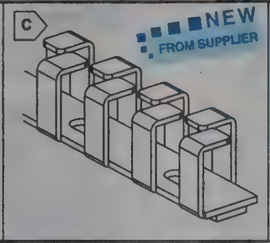
RoHS Compliant **This page of product is compliant.**

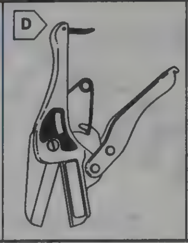

A

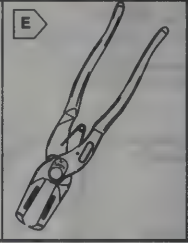
Cover Sold Separately

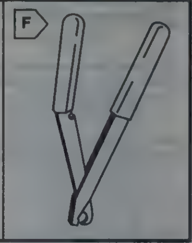

B

Cover Sold Separately


C


D


E


F

PANDUCT® WIRING DUCT

Used for general purpose control panel wiring and to route and protect wiring in communication closets. The nonslip cover conceals all wiring and is easy to install. The duct and cover form a flush sidewall providing increased capacity and improved aesthetics. UL recognized, CSA certified. **Other sizes and colors available.** Contact a Mouser Service Representative for assistance.

Specifications:
- Rigid PVC construction
- Color light gray
- UL flammability rating: 94V-0

RoHS Compliant

Type "G" Wiring Duct

Wide fingers provide added support

MOUSER STOCK NO.	Panduit Part No.	Fig.	Duct External Dim.: (In)		Price Per Each 6' Section		MOUSER STOCK NO.	Panduit Part No.	Price Per Each 6' Section	
			Width	Height	1	5			1	5
Wiring Duct							**Wiring Duct Cover**			
644-G.5X.5LG6-1	G.5X.5LG6	A	.69	.60	16.66	15.55	644-C.5LG6-1	C.5LG6	5.50	5.20
644-G.75X.75LG6-1	G.75X.75LG6	A	.93	.82	19.54	18.24	644-C.75LG6-1	C.75LG6	5.86	5.47
644-G1X1LG6-1	G1X1LG6	A	1.26	1.12	20.71	19.33	644-C1LG6-1	C1LG6	5.86	5.47
644-G1X1.5LG6-1	G1X1.5LG6	A	1.25	1.59	29.02	27.08	644-C1LG6-1	C1LG6	5.86	5.47
644-G1X2LG6-1	G1X2LG6	A	1.25	2.09	29.04	27.67	644-C1LG6-1	C1LG6	5.86	5.47
644-G1X3LG6-1	G1X3LG6	A	1.25	3.10	37.14	33.46	644-C1LG6-1	C1LG6	5.86	5.47
644-G1.5X1LG6-1	G1.5X1LG6	A	1.75	1.59	24.96	21.40	644-C1.5LG6-1	C1.5LG6	7.29	6.81
644-G1.5X1.5LG6-1	G1.5X1.5LG6	A	1.75	1.62	36.35	33.94	644-C1.5LG6-1	C1.5LG6	7.29	6.81
644-G1.5X3LG6-1	G1.5X3LG6	A	1.75	3.10	41.15	35.41	644-C1.5LG6-1	C1.5LG6	7.29	6.81
644-G2X1LG6-1	G2X1LG6	A	2.25	1.09	28.80	25.34	644-C2LG6-1	C2LG6	8.91	8.27
644-G2X1.5LG6-1	G2X1.5LG6	A	2.25	1.59	31.62	27.52	644-C2LG6-1	C2LG6	8.91	8.27
644-G2X2LG6-1	G2X2LG6	A	2.25	2.09	32.20	31.04	644-C2LG6-1	C2LG6	8.91	8.27
644-G2X4LG6-1	G2X4LG6	A	2.25	4.10	51.01	41.35	644-C2LG6-1	C2LG6	8.91	8.27
644-G3X1LG6-1	G3X1LG6	A	3.25	1.09	33.76	27.38	644-C3LG6-1	C3LG6	13.96	13.23
644-G3X2LG6-1	G3X2LG6	A	3.25	2.09	40.26	32.64	644-C3LG6-1	C3LG6	13.96	13.23
644-G3X3LG6-1	G3X3LG6	A	3.25	3.10	46.32	42.78	644-C3LG6-1	C3LG6	13.96	13.23
644-G4X1.5LG6-1	G4X1.5LG6	A	4.25	1.58	39.68	32.55	644-C4LG6-1	C4LG6	17.54	14.20
644-G4X2LG6-1	G4X2LG6	A	4.25	2.09	47.05	38.14	644-C4LG6-1	C4LG6	17.54	14.20
644-G4X3LG6-1	G4X3LG6	A	4.25	3.10	54.46	44.14	644-C4LG6-1	C4LG6	17.54	14.20

Type "F" Wiring Duct

RoHS Compliant

Narrow fingers feature less "fanning" of wires for a neater appearance. Provides the proper spacing for use with high density terminal blocks.

MOUSER STOCK NO.	Panduit Part No.	Fig.	Duct External Dim.: (In)		Price Per Each 6' Section		MOUSER STOCK NO.	Panduit Part No.	Price Per Each 6' Section	
			Width	Height	1	5			1	5
Wiring Duct							**Wiring Duct Cover**			
644-F.5X.5LG6-1	F.5X.5LG6	B	0.69	0.60	16.66	15.55	644-C.5LG6-1	C.5LG6	5.50	5.20
644-F.75X.75LG6-1	F.75X.75LG6	B	0.93	0.82	19.54	18.24	644-C.75LG6-1	C.75LG6	5.86	5.47
644-F1X1LG6-1	F1X1LG6	B	1.26	1.12	20.71	19.33	644-C1LG6-1	C1LG6	5.86	5.47
644-F1X2LG6-1	F1X2LG6	B	1.26	2.12	28.48	26.58	644-C1LG6-1	C1LG6	5.86	5.47
644-F1.5X1.5LG6-1	F1.5X1.5LG6	B	1.75	1.62	28.55	26.65	644-C1.5LG6-1	C1.5LG6	7.29	6.81
644-F2X2LG6-1	F2X2LG6	B	2.25	2.12	30.06	28.06	644-C2LG6-1	C2LG6	8.91	8.27
644-F3X3LG6-1	F3X3LG6	B	3.25	3.12	46.11	43.03	644-C3LG6-1	C3LG6	13.96	13.23

PANDUCT® FLEXIBLE WIRING DUCT

Panduct® Flexible Wiring Duct one-piece design is intended to route and protect wires in applications that require flexibility.

- Length: 19.7" (500mm)
- Slotted sidewall, open finger design wiring duct
- Material: Polypropylene, UL94V-2
- Color: RAL 7040 Light Gray
- No special tooling needed for addition or removel of wires after termination

RoHS Compliant

MOUSER STOCK NO.	Panduit Part No.	Fig.	Duct External Dim. In (mm)		Tape Width In. (mm)	Price Each			
			Width	Height		1	10	50	100
644-FL12X12LG-A	FL12X12LG-A	C	0.49 (12.5)	0.49 (12.5)	.24 (25)	5.37	4.33	4.02	3.97
644-FL25X25LG-A	FL25X25LG-A	C	0.98 (25.0)	0.98 (25.0)	.58 (14.7)	8.73	7.04	6.84	6.50
644-FL50X50LG-A	FL50X50LG-A	C	1.97 (50.0)	1.97 (50.0)	.58 (14.7) x 2	15.96	12.87	12.50	11.85

PANDUCT® TOOLS AND ACCESSORIES

Cutting Tool

Heavy duty steel tool incorporates a new, improved blade design, which minimizes cutting force and blade wear. Provides a smooth burr-free cut on both wiring duct and cover

RoHS Compliant

MOUSER STOCK NO.	Panduit Part No.	Figure	Price Each
644-DCT	DCT	D	101.54

Duct Finger Cutting Tool

Heavy duty tool easily removes duct fingers in tight places.

RoHS Compliant

644-DFCT	DFCT	E	84.57

Notching Tool

Heavy duty tool used to notch slotted wall wiring duct from the bottom of a slot to the base of the duct. Notches duct sidewalls to bottom scoreline for tee and corner junctions.

RoHS Compliant

644-DNT-100	DNT-100	F	124.66

Duct Corner Strips

A one-piece PVC corner strip for joining sections of PVC duct at corners or a tee corner.

RoHS Compliant

MOUSER STOCK NO.	Panduit Part No.	For Wiring Duct Height	Price Each			
			1	5	10	25
644-CSP1LG-Q	CSP1LG-Q	1.0"	2.23	1.99	1.74	1.61
644-CSP1.5LG-Q	CSP1.5LG-Q	1.5"	2.43	2.16	1.89	1.75
644-CSP2LG-Q	CSP2LG-Q	2.0"	2.61	2.32	2.03	1.88
644-CSP3LG-Q	CSP3LG-Q	3.0"	3.36	2.98	2.61	2.43

Wire Retainers

Inserts between fingers of Slotted Wiring Duct to contain wiring when cover is removed

RoHS Compliant

MOUSER STOCK NO.	Panduit Part No.	For Wiring Duct Type	Material	For Wiring Duct Width	Price Each		
					1	10	100
644-WR2-C	WR2-C	G	Nylon	2.0"	1.03	.92	.84
644-WR3-C	WR3-C	G	Nylon	3.0"	1.03	.92	.84
644-FWR-C	FWR-C	F	Rigid PVC	1.5" - 4.0"	1.02	.92	.84

WIREMOLD Surface Raceway Systems

2800/2900 SERIES UNIDUCT® NON-METALLIC RACEWAY

Features:
- One-piece design
- Easy open and snap-close latch
- Durable, flexible hinge constriction
- Durable impact-resistant PVC
- Adhesive backing for quick installation
- Color: Ivory (field paintable)

Uniduct® Latching Raceway

For quantities of 40 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Description	Price Each			
				1	5	10	20
681-2800	2800	A	1/2" x 1" raceway, 6 foot length	12.60	11.98	11.61	10.56
681-2900	2900	B	3/4" x 1 1/2" raceway, 6 foot length	20.85	20.12	19.40	18.68

2800 Series Raceway Fittings

For quantities of 40 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Description	Price Each			
			1	5	10	20
681-2806	2806	Cover clip	1.72	1.65	1.59	1.54
681-2810B	2810B	Blank end fitting	1.72	1.65	1.59	1.54
681-2811	2811	90° flat elbow	1.72	1.65	1.59	1.51
681-2815	2815	Tee	1.72	1.64	1.59	1.55
681-2817	2817	Internal elbow	1.72	1.64	1.55	1.46
681-2818	2818	External elbow	1.72	1.69	1.54	1.34
681-2886	2886	Drop ceiling connector	2.01	1.94	1.85	1.79

2900 Series Raceway Fittings

For quantities of 40 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Description	Price Each			
			1	5	10	20
681-2906	2906	Cover clip	1.82	1.76	1.69	1.62
681-2910B	2910B	Blank end fitting	1.82	1.76	1.69	1.54
681-2911	2911	90° flat elbow	1.82	1.76	1.69	1.61
681-2915	2915	Tee	1.82	1.76	1.69	1.61
681-2917	2917	Internal elbow	1.81	1.75	1.69	1.61
681-2918	2918	External elbow	1.82	1.76	1.67	1.59
681-2986	2986	Drop ceiling connector	2.01	1.95	1.89	1.81

Device Boxes for 2800 and 2900

For quantities of 40 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Description	Price Each			
				1	5	10	20
681-NM2048	NM2048	C	Deep device box	5.91	5.55	4.99	4.23
681-NM2044	NM2044	D	Extra deep device box	11.59	10.99	10.54	9.99
681-NM2048-2	NM2048-2	E	Two-gang deep device box	9.57	9.01	8.55	7.99
681-NM2044-2	NM2044-2	F	Two-gang extra deep device box	15.75	15.05	14.69	13.99
681-CM-MMB-291	CM-MMB-291	G	One insert multimedia box	4.42	4.09	3.76	3.43
681-CM-MMB-292	CM-MMB-292	H	Two insert multimedia box	8.30	7.68	7.06	6.43

V500 SERIES ONE-PIECE SURFACE STEEL RACEWAY

Features:
- Low-profile, unobtrusive appearance
- Ivory ScuffCoat finish
- Surface mounting
- Fittings have removable covers
- UL5 and ADA compliant

One-Piece Raceway

For quantities of 40 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Description	Price Each			
				1	5	10	20
681-V500-5	V500-5	I	3/4" x 17/32" raceway, 5 foot length	9.05	8.45	7.99	7.23

Steel Raceway Fittings

For quantities of 40 and up, call for quote.

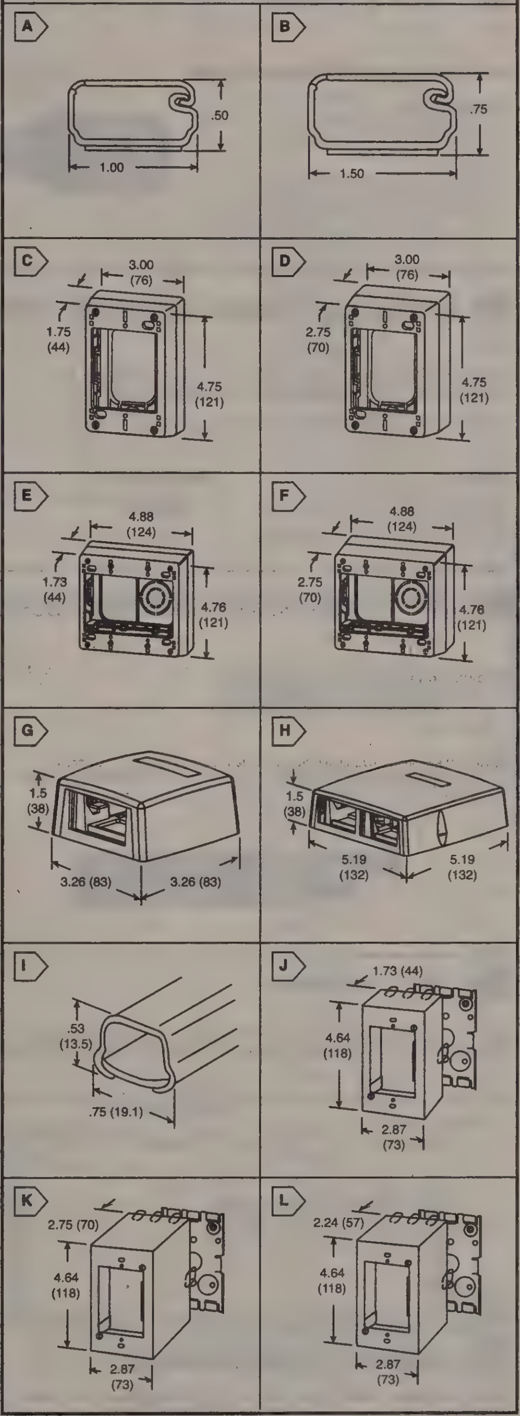
MOUSER STOCK NO.	Wiremold Part No.	Description	Price Each			
			1	5	10	20
681-V504	V504	Mounting strap	.35	.33	.30	.29
681-V506	V506	Connection cover	.50	.48	.45	.43
681-V511	V511	90° flat elbow	1.90	1.86	1.80	1.76
681-V512	V512	45° flat elbow	6.17	5.99	5.79	5.30
681-V517	V517	Internal elbow	2.39	2.09	1.92	1.89
681-V518	V518	External elbow	2.21	1.99	1.87	1.79
681-V5715	V5715	Tee	4.62	4.34	3.99	3.69

Device Boxes

For quantities of 40 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Description	Price Each			
				1	5	10	20
681-V5748	V5748	J	Device box	8.33	8.09	7.79	7.01
681-V5744	V5744	K	Extra deep device box	19.80	18.79	17.99	16.25
681-V5744S	V5744S	L	Deep switch and receptacle box	18.70	17.99	17.21	16.99

DIMENSIONS: in. (mm)

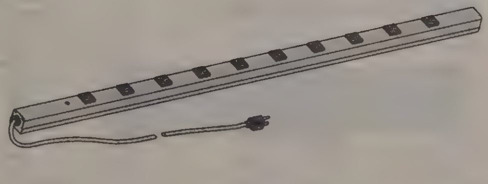


PLUGMOLD™ STEEL PREWIRED MULTI OUTLET ASSEMBLIES

Features:
- Ivory ScuffCoat finish
- Compact, low profile appearance
- Choose receptacle spacing
- 15A outlets
- Additional assemblies available - contact a Mouser Service Representative

For quantities of 40 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Length	Number of Outlets	Outlet Center Distance	Price Each			
					1	5	10	20
681-V20GB512	V20GB512	5 foot	5	6 inch	50.42	47.23	45.01	42.20
681-V20GB506	V20GB506	5 foot	10	6 inch	69.93	66.99	63.97	59.99
681-V20GB618	V20GB618	6 foot	4	18 inch	50.68	47.99	43.21	41.99
681-V20GB612	V20GB612	6 foot	6	12 inch	59.97	57.23	52.36	48.99
681-V20GB606	V20GB606	6 foot	12	6 inch	79.89	76.66	71.99	65.23



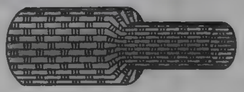
ALPHA WIRE Tubing/Sleeving

FIT FABRIC

Heat Shrinkable Woven Fabric Tubing

Specifications:

- Operating Temperature: -40°C to +125°C
- Shrink Ratio: Approx. 2 to 1 or 3 to 1 at 135°C depending on size
- Color: Black
- Meets MVSS 302 horizontal burn test
- Cuts with scissors



∗ 2 to 1 shrink ratio
† 3 to 1 shrink ratio

For quantities of 5 and up, call for quote.

Expanded ID Min (In.)	SMALL SPOOL			LARGE SPOOL		
	Reel Lth. (Ft.)	MOUSER STOCK NO.	Price Per Reel	Reel Lth. (Ft.)	MOUSER STOCK NO.	Price Per Reel
∗ .47	50	602-FITFAB-1	103.87	200	602-FITFAB-1-200	303.11
∗ .79	50	602-FITFAB-2	131.24	200	602-FITFAB-2-200	359.76
∗ 1.18	50	602-FITFAB-3	155.93	200	602-FITFAB-3-200	456.35
∗ 1.57	50	602-FITFAB-4	193.70	200	602-FITFAB-4-200	550.19
∗ 1.97	25	602-FITFAB-5	118.93	100	602-FITFAB-5-100	337.93
∗ 2.36	25	602-FITFAB-6	129.34	100	602-FITFAB-6-100	368.22
∗ 2.76	25	602-FITFAB-7	176.00	100	602-FITFAB-7-100	502.04
† .71	50	602-FITFAB-8	144.84	200	602-FITFAB-8-200	464.01
† 1.18	50	602-FITFAB-9	185.33	200	602-FITFAB-9-200	492.85
† 2.36	25	602-FITFAB-10	128.11	100	602-FITFAB-10-100	363.94

ZIP-GRP EXPANDABLE POLYESTER WEBBED SLEEVING

With its Velcro-Type enclosure, wires, cable assemblies and wire harnesses are always accessible and can be easily opened for any number of breakouts.

To prevent fraying of ends, ZIP-GRP should be cut/sealed with a a hot knife.

Features:

- Unlimited Breakouts
- Abrasion, Cut-Through Resistance
- Oil and Solvent Resistance
- Superb Flexibility and High Tensile Strength

Specifications:

- Operating Temperature: -70°C to 125°C
- Color: Black

Size	Rec. I.D. (In.)	Exp. I.D. Min. (In.)	25' Spool		50' Spool	
			MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Price Per Spool
7/8	.750	1.000	602-ZGRP7/8-25B	171.53	602-ZGRP7/8-50B	282.03
1 1/2	1.000	2.000	602-ZGRP11/2-25B	186.24	602-ZGRP11/2-50B	310.70
2	1.500	2.125	602-ZGRP2-25B	208.17	602-ZGRP2-50B	385.99

GRP-120 EXPANDABLE BRAIDED POLYESTER SLEEVING

Specifications:

- Operating Temperature: -70°C to +125°C
- GRP-120/ GRP 120NF passes UL VW-1 flame test
- Color: Black

GRP-120 should be cut/sealed with a hot knife to prevent fraying of the ends. GRP-120NF cuts with ordinary scissors without fraying. Does not require a hot knife when cutting.

Typical application for protection of wire, cable, and hoses. Cable not included.

By the Spool

Size	Rec I.D. (In.)	Exp I.D. Min (In.)	MOUSER STOCK NO.	Spool Lth (Ft.)	Price Per Spool
GRP-120 Expandable Braided Polyester Sleeving					
1/8	.093	.250	602-120018-100B	100	59.55
1/4	.125	.437	602-120014-100B	100	85.79
1/2	.250	.750	602-120012-100B	100	153.22
3/4	.500	1.250	602-120034-100B	100	228.60
1 1/4	.750	1.750	602-120114-50B	50	149.69
GRP-120NF Non-Fraying Expandable Braid Sleeving					
1/8	.093	.250	602-120018NF-100B	100	83.44
1/4	.125	.440	602-120014NF-100B	100	119.19
1/2	.250	.750	602-120012NF-100B	100	211.95
3/4	.500	1.250	602-120034NF-100B	100	316.57
1 1/4	.750	1.750	602-1200114NF-50B	50	207.15

TUBULAR BRAID

Each strand soft drawn Tinned Plated Copper Braid Wire meets Federal Specifications. QQ-W-343D types and ASTM-B-33. Shield Coverage: 95%+ when placed over mandrel of equivalent diameter to that of braid interior.

100' Spool

For quantities of 50 and up, call for quote.

Nominal Round Width (In.)	Braid Construction			Approx AWG Equiv.	Nominal Circular Mil Area CM	Current Carrying Capacity (Amps)	MOUSER STOCK NO.	Price Per 100'			
	AWG of Indiv. Ends	Carrier	Total No. of Indiv. Ends					1	5	10	25
1/16	36	24	48	19	1200	11	602-2162-100	58.41	52.58	47.31	42.59
1/8	36	24	120	15	3000	25	602-2166-100	73.28	65.96	59.36	53.41
11/64	36	24	168	14	4200	32	602-2168-100	94.82	85.31	76.79	69.11
1/4	36	24	384	10	9600	53	602-2171-100	140.76	127.23	114.25	102.83
3/8	36	48	384	10	9600	53	602-2172-100	167.71	150.62	135.57	122.00
1/2	36	48	528	9	13200	62	602-2174-100	271.76	244.60	220.12	198.11
21/32	30	48	768	1	77180	190	602-2175/1-100	653.88	588.49	529.65	476.68
25/32	36	48	864	7	21600	88	602-2176-100	371.04	333.92	300.54	285.53

TINNED COPPER FLAT BRAID

Woven Tinned Copper Braid rolled to specific width. Each strand meets requirements of Federal Specifications QQ-W-343E type S & ASTM-B-33. Current carrying capacity shown is for bare cable in free air at 30°C & intended as a reference guide only. Actual values will depend on permissible temperature rise, voltage drop, & other conditions of use.

Features:

- High current carrying ability
- High flexibility
- Meets QQ-W-343E
- Suitable for bonding and grounding applications

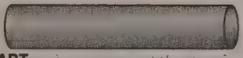
Per 100' Spool

For quantities of 50 and up, call for quote.

Nom Flat Width (In.)	AWG Equiv.	Nom. Thick (In.)	No. of Strands	Current Amps	MOUSER STOCK NO.	Price Per 100'			
						1	5	10	25
1/8	18	.020	72	16	602-1229-100	50.16	45.62	41.80	37.79
3/16	15	.020	120	25	602-1230-100	54.49	49.61	45.46	41.07
1/4	14	.030	168	32	602-1231-100	74.09	67.47	61.90	55.96
3/8	12	.030	288	46	602-1232-100	118.69	107.88	99.01	89.58
1/2	10	.030	384	53	602-1233/2-100	150.46	136.86	125.37	113.49
5/8	10	.030	384	53	602-1233-100	159.39	144.92	132.89	120.16
3/4	7	.040	832	85	602-1234-100	358.22	325.63	298.43	270.01
1	7	.045	832	85	602-1235-100	383.40	348.53	319.59	289.08

ALPHA WIRE Tubing/Sleeving

PVC-105 ALL PURPOSE PVC TUBING



Features:
- Flexible Wire Protection
- Resistance to Heat, Oil, and Abrasion

Specifications:
- Operating Temperature: -20°C to 105°C
- Flammability: Self Extinguishing (UL VW-1)

COLOR CODE CHART
Replace the blank in the part number with:
BK for Black, CL for Clear

Alpha Part No.	AWG No.	Nom I.D. (In.)	Wall Thickness	Spool Size (Ft.)	MOUSER STOCK NO.	Price Per Spool
PVC-105-24	24	.022	.012	1000	602-PVC105-24-1000__	43.35
PVC-105-22	22	.027	.012	100	602-PVC105-22-100__	11.05
PVC-105-20	20	.034	.016	1000	602-PVC105-20-1000__	46.67
PVC-105-19	19	.038	.016	1000	602-PVC105-19-1000__	46.67
PVC-105-18	18	.042	.016	100	602-PVC105-18-100__	11.56
PVC-105-17	17	.047	.016	100	602-PVC105-17-100__	11.65
PVC-105-16	16	.053	.016	100	602-PVC105-16-100__	11.73
PVC-105-15	15	.059	.016	100	602-PVC105-15-100__	11.90
PVC-105-14	14	.066	.016	100	602-PVC105-14-100__	12.33
PVC-105-13	13	.076	.016	100	602-PVC105-13-100__	12.58
PVC-105-12	12	.085	.016	500	602-PVC105-12-500__	29.87
PVC-105-11	11	.095	.016	100	602-PVC105-11-100__	14.11
PVC-105-10	10	.106	.016	500	602-PVC105-10-500__	40.16
PVC-105-9	9	.118	.020	500	602-PVC105-9-500__	43.35
PVC-105-8	8	.133	.020	100	602-PVC105-8-100__	14.37
PVC-105-7	7	.148	.020	100	602-PVC105-7-100__	14.71
PVC-105-6	6	.166	.020	100	602-PVC105-6-100__	15.56
PVC-105-5	5	.186	.020	100	602-PVC105-5-100__	16.75
PVC-105-4	4	.208	.020	100	602-PVC105-4-100__	20.15
PVC-105-3	3	.234	.020	100	602-PVC105-3-100__	21.25
PVC-105-2	2	.263	.020	250	602-PVC105-2-250__	50.34
PVC-105-1	1	.294	.020	100	602-PVC105-1-100__	22.69
PVC-105-0	0	.330	.020	100	602-PVC105-0-100__	26.27
PVC-105-5/16	5/16	.312	.025	100	602-PVC1055/16-100__	30.60

SW SERIES SPIRAL WRAP TUBING

Specifications:
- Polyethylene Operating Temp: -20°C to +80°C
- Flammability: Not Flame Retardant
- Nylon Operating Temp: -40°C to +120°C
- Flammability: 94V-2

Size	25' Spool MOUSER STOCK NO.	Price Each 25'	100' Spool MOUSER STOCK NO.	Price Each 100'
Polyethylene, Clear				
1/8	602-SW-1-25	12.45	602-SW-1-100	15.63
1/4	602-SW-2-25	8.40	602-SW-2-100	25.47
3/8	602-SW-3-25	12.07	602-SW-3-100	44.37
1/2	602-SW-4-25	14.16	602-SW-4-100	47.51
Polyethylene, Black UV Resistant				
1/8	602-SW-40-25	12.16	602-SW-40-100	16.72
1/4	602-SW-41-25	9.88	602-SW-41-100	33.93
3/8	602-SW-42-25	14.06	602-SW-42-100	48.80
1/2	602-SW-43-25	18.34	602-SW-43-100	62.99
Nylon, Natural Color				
1/8	602-SW-20-25	12.64	602-SW-20-100	46.79
1/4	602-SW-21-25	21.85	602-SW-21-100	75.43
3/8	602-SW-22-25	48.83	602-SW-22-100	160.82
1/2	602-SW-23-25	62.99	602-SW-23-100	208.42

PIF-240 UNCOATED FIBERGLASS SLEEVING

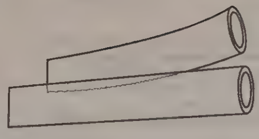
Features:
- Extreme Flexibility
- Extreme Heat Environments
- High Temperature Wire Harnesses
- High Temperature Cable Connections

Specifications:
- Operating Temp: -60°C to 648°C
- Color: Natural

100' Spool

Alpha Part No.	AWG No.	Nom I.D. (In.)	MOUSER STOCK NO.	Price Per 100'
PIF-240-18	18	.042	602-PIF-240-18	20.00
PIF-240-16	16	.053	602-PIF-240-16	18.73
PIF-240-15	15	.059	602-PIF-240-15	20.40
PIF-240-14	14	.066	602-PIF-240-14	21.72
PIF-240-12	12	.085	602-PIF-240-12	22.13
PIF-240-11	11	.095	602-PIF-240-11	22.53
PIF-240-10	10	.106	602-PIF-240-10	24.71
PIF-240-9	9	.118	602-PIF-240-9	25.03
PIF-240-8	8	.133	602-PIF-240-8	26.44
PIF-240-7	7	.148	602-PIF-240-7	29.33
PIF-240-6	6	.166	602-PIF-240-6	30.86
PIF-240-5	5	.186	602-PIF-240-5	34.34
PIF-240-4	4	.208	602-PIF-240-4	39.73
PIF-240-3	3	.234	602-PIF-240-3	42.59
PIF-240-2	2	.263	602-PIF-240-2	48.05
PIF-240-1	1	.294	602-PIF-240-1	54.06
PIF-240-0	0	.330	602-PIF-240-0	65.31
PIF-240-3/8	3/8	.375	602-PIF-240-3/8	83.81
PIF-240-7/16	7/16	.438	602-PIF-240-7/16	106.00
PIF-240-1/2A	1/2	.500	602-PIF-240-1/2A	137.96

TFT-200 TEFLON® TUBING



Features:
- Wire Harnesses
- High Temperature Component Covering
- Excellent Heat and Chemical Resistance
- Superior Dielectric Strength

Specifications:
- Operating Temperature: -65°C to 260°C
- Tensile Strength: 2500 psi
- Color: Transparent

100' Spool

Alpha Part No.	AWG No.	Nom I.D. (In.)	Wall Thickness	MOUSER STOCK NO.	Price Per 100'
TFT-200-30	30	.012	.009	602-TFT-200-30-100	48.14
TFT-200-28	28	.015	.009	602-TFT-200-28-100	44.71
TFT-200-26	26	.018	.009	602-TFT-200-26-100	49.62
TFT-200-24	24	.022	.010	602-TFT200-24-100	54.39
TFT-200-22	22	.028	.010	602-TFT200-22-100	63.38
TFT-200-20	20	.034	.012	602-TFT20020-100	68.06
TFT-200-19	19	.038	.012	602-TFT-200-19-100	60.39
TFT-200-18	18	.042	.012	602-TFT20018-100	76.48
TFT-200-17	17	.047	.012	602-TFT-200-17-100	63.50
TFT-200-16	16	.053	.012	602-TFT-200-16-100	69.12
TFT-200-15	15	.059	.012	602-TFT20015-100	84.07
TFT-200-14	14	.066	.012	602-TFT200-14-100	82.18
TFT-200-13	13	.076	.012	602-TFT-200-13-100	71.56
TFT-200-12	12	.085	.012	602-TFT200-12-100	100.04
TFT-200-11	11	.095	.012	602-TFT20011-100	98.01
TFT-200-10	10	.106	.012	602-TFT20010-100	106.25

PIF-200 SILICONE COATED FIBERGLASS SLEEVING

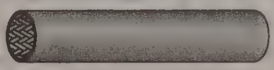
Features:
- High Flexible Routing
- Extreme Abrasion Resistance
- Superior Electrical Properties

Specifications:
- Operating Temperature: -70°C to 200°C
- Voltage Rating: 600V
- Color: Natural

100' Spool

Alpha Part No.	AWG No.	Nom I.D. (In.)	MOUSER STOCK NO.	Price Per 100'
PIF-200-10	10	.107	602-PIF-200-10	112.29
PIF-200-9	9	.119	602-PIF-200-9	123.57
PIF-200-8	8	.136	602-PIF-200-8	130.54
PIF-200-7	7	.151	602-PIF-200-7	134.22
PIF-200-6	6	.170	602-PIF-200-6	137.36
PIF-200-5	5	.190	602-PIF-200-5	157.35
PIF-200-4	4	.208	602-PIF-200-4	162.28
PIF-200-3	3	.239	602-PIF-200-3	188.87
PIF-200-2	2	.268	602-PIF-200-2	208.85
PIF-200-1	1	.294	602-PIF-200-1	255.77
PIF-200-0	0	.330	602-PIF-200-0	298.86
PIF-200-3/8	3/8	.375	602-PIF-200-3/8	391.60
PIF-200-7/16	7/16	.438	602-PIF-200-7/16	516.72
PIF-200-1/2A	1/2	.500	602-PIF-200-1/2A	603.25

PIF-130 PVC COATED FIBERGLASS SLEEVING



Features:
- Flexible Wire Harnessing
- High Temperature, Abrasion, and Oil Resistance
- Resists Fraying, Bending, and Knotting

Specifications:
- Operating Temp: -20°C to 130°C
- Color: Black

100' Spool

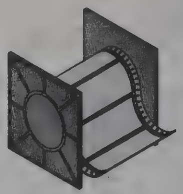
Alpha Part No.	AWG No.	Nom I.D. (In.)	MOUSER STOCK NO.	Price Per 100'
PIF-130-20	20	.034	602-PIF-130-20	28.29
PIF-130-18	18	.042	602-PIF-130-18	29.67
PIF-130-16	16	.053	602-PIF-130-16	30.45
PIF-130-14	14	.066	602-PIF-130-14	34.69
PIF-130-12	12	.085	602-PIF-130-12	34.69
PIF-130-10	10	.106	602-PIF-130-10	37.97
PIF-130-8	8	.133	602-PIF-130-8	42.21
PIF-130-6	6	.166	602-PIF-130-6	49.97
PIF-130-4	4	.208	602-PIF-130-4	61.16
PIF-130-2	2	.263	602-PIF-130-2	75.94
PIF-130-0	0	.330	602-PIF-130-0	102.59
PIF-130-3/8	3/8	.375	602-PIF-130-3/8	130.01
PIF-130-7/16	7/16	.438	602-PIF-130-7/16	171.53
PIF-130-1/2A	1/2	.500	602-PIF-130-1/2A	209.92
PIF-130-5/8	5/8	.625	602-PIF-130-5/8	258.63
PIF-130-3/4	3/4	.750	602-PIF-130-3/4	333.25
PIF-130-7/8	7/8	.875	602-PIF-130-7/8	409.58
PIF-130-1 IN	1	1.000	602-PIF-130-1	462.00

ALPHA WIRE Heat Shrinkable Products

FIT PRINT HEAT SHRINKABLE IDENTIFICATION SYSTEM

Specifications:

- Identification for cable or harness assemblies
- Permanent/smear-resistant marking
- Bright Yellow for high visibility or White
- Operating Temp: -30°C to +105°C
- Tensile Strength: 1200psi
- Shrinkage Ratio: Approximately 3 to 1 at 125°C



Applications:

- Marine Electronics
- Industrial Computers
- Electrical Equipment

Replace the blank in the part number with: **WH** for **White, YL** for **Yellow**

For quantities of 5 and up, call for quote.

Alpha Part No.	Wire AWG	Expanded I.D. Min. (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Per Spool
FITPRINT1/8	22-16	0.125	0.042	602-FITPRINT-1/8__	142.37
FITPRINT1/4	16-8	0.250	0.083	602-FITPRINT-1/4__	139.15
FITPRINT1/2	8-2	0.500	0.166	602-FITPRINT-1/2__	368.08
FITPRINT1	2-400	1.000	0.333	602-FITPRINT-1WH	660.83

MOLDED IRRADIATED POLYOLEFIN END CAPS

Specifications:

- Operating Temp: -55°C to +135°C
- Shrinkage Ratio: Approximately 2 to 1 at 135°C
- Color: Black

Applications:

- Wire Terminations
- Splice Terminations

Alpha Part No.	Expanded I.D. Min. (In.)	Recovered I.D. (In.)	Nominal Length (IN.)	MOUSER STOCK NO.	Price Per 25 Piece Pkg.
CAP-21	.20	.08	.90	602-CAP-21	62.13
CAP-22	.29	.12	1.00	602-CAP-22	74.29
CAP-23	.40	.18	1.20	602-CAP-23	131.20
CAP-24	.60	.25	1.60	602-CAP-24	208.53
CAP-25	.81	.37	2.40	602-CAP-25	292.94

FIT 350 HIGHLY FLAME-RETARDANT IRRADIATED KYNAR®

Specifications:

- Operating Temp: -55°C to +175°C
- Shrinkage Ratio: Approximately 2 to 1 at 175°C
- Color: Transparent
- Passes UL VW-1 Flame Test

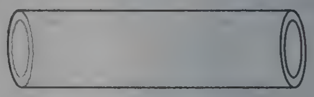
Applications:

- High Temperature Environments
- Exposure to Chemicals
- Use with High Temperature Wire
- Caustic Environments

6 Inch Lengths — **4 Foot Lengths**

Alpha Part No.	Size	Expanded I.D. Min. (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Pieces Per Package	Price Per Package			MOUSER STOCK NO.	Price Per 4' Length		
						1	5	10		1	25	100
FIT-350-1/16	1/16	.063	.031	602-FIT3501/16-28	28	24.60	22.32	20.28	602-FIT3501/16-25	5.70	5.17	4.70
FIT-350-3/32	3/32	.093	.046	602-FIT3503/32-24	24	24.60	22.32	20.28	602-FIT3503/32-25	6.70	6.08	5.56
FIT-350-1/8	1/8	.125	.062	602-FIT3501/8-20	20	24.60	22.32	20.28	602-FIT3501/8-25	7.30	6.73	6.02
FIT-350-3/16	3/16	.187	.093	602-FIT3503/16-16	16	24.60	22.32	20.28	602-FIT3503/16-25	11.36	10.30	9.36
FIT-350-1/4	1/4	.250	.125	602-FIT3501/4-12	12	24.60	22.32	20.28	602-FIT3501/4-25	14.29	12.96	11.78
FIT-350-1/2	1/2	.500	.250	602-FIT3501/2-4	4	24.60	22.32	20.28	602-FIT3501/2-5	27.98	25.39	23.07

FIT 260 IRRADIATED POLYOLEFIN GROUND IDENTIFICATION



Specifications:

- Operating Temp: -55°C to +135°C
- Shrinkage Ratio: Approximately 2 to 1 at 120°C
- Color: Green with Yellow Stripe
- Tensile Strength: 1500 psi

Applications:

- Color Coding Leads as a Ground Circuit
- Approved for Use By NFPA for 600 Volt Ground Lead Identification
- Wire Harness Identification

Large Spools

Alpha Part No.	Size	Spool Length (Ft.)	Expanded I.D. Min. (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Per Spool
FIT-260-1/8	1/8	500	.118	.059	602-FIT2601/8	651.70
FIT-260-1/4	1/4	250	.236	.118	602-FIT2601/4	451.63
FIT-260-3/8	3/8	250	.315	.158	602-FIT2603/8	467.59
FIT-260-1/2	1/2	250	.472	.236	602-FIT2601/2	570.00
FIT-260-3/4	3/4	250	.748	.355	602-FIT2603/4	952.85
FIT-260-1	1	100	1.024	.512	602-FIT2601	539.41

FIT SLV SHRINKABLE SOLDERING SLEEVES

105°C Series

Specifications:

- Operating Temp: 105°C
- Tensile Strength: Ground Lead Breakage 25 Lb. (AWG)
- Solder Melt Temp: 145°C
- Color: Transparent

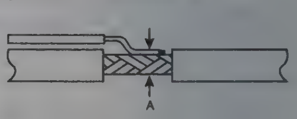
Applications:

- Shield to Ground Terminations
- Water Resistant Protection
- Heavy-Duty Splice Connection

25 Piece Packages — **100 Piece Packages**

Alpha Part No.	Cable Dim. (A) Min. (In.)	Nominal (B) (In.)	Cable Dim. (C) Min. (In.)	MOUSER STOCK NO.	Price Per 25 Piece Pkg.	MOUSER STOCK NO.	Price Per 100 Piece Pkg.
FIT-SLV-12	.055	.620	.125	602-FITSLV12-25	39.38	602-FITSLV12-100	118.28
FIT-SLV-14	.100	.620	.200	602-FITSLV14-25	41.48	602-FITSLV14-100	124.43
FIT-SLV-16	.160	.750	.300	602-FITSLV16-25	57.53	602-FITSLV16-100	174.23

Window Strip



125°C Series

Specifications:

- Operating Temp: 125°C
- Tensile Strength: Ground Lead Breakage 25 Lb. (AWG)
- Solder Melt Temp: 180°C
- Color: Transparent

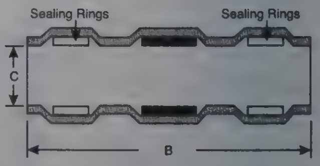
Applications:

- Shield to Ground Terminations
- Water Resistant Protection
- Heavy-Duty Splice Connection

25 Piece Packages — **100 Piece Packages**

Alpha Part No.	Cable Dim. (A) Min. (In.)	Nominal (B) (In.)	Cable Dim. (C) Min. (In.)	MOUSER STOCK NO.	Price Per 25 Piece Pkg.	MOUSER STOCK NO.	Price Per 100 Piece Pkg.
FIT-SLV-22	.055	.620	.125	602-FITSLV22-25	36.08	602-FITSLV22-100	99.00
FIT-SLV-24	.100	.620	.200	602-FITSLV24-25	39.83	602-FITSLV24-100	119.25
FIT-SLV-26	.160	.750	.300	602-FITSLV26-25	55.05	602-FITSLV26-100	165.00

Solder Preform



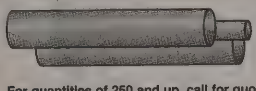
Heat Guns and Heat Shrink

SHRINKABLE TUBING ASSORTMENT KITS

Provides the Designer, Engineer, or Technician with a complete sampler selection of the most popular FIT® shrinkable tubing types, colors, and sizes.

MOUSER STOCK NO.	Contents	Price Each
602-FIT-MGKIT-1	**Heat Shrink Cable Repair Kit, Surface Irradiated Polyolefin:** 6 colors, Black, White, Red, Blue, Yellow, Green; size 14-6" x 1/8", 14-6" x 3/16", 14-6" x 1/4", 9-6" x 3/8", 9-6" x 1/2", includes powerful; compact, **Mini Heat Gun** w/controllable heat to 1000°F	95.55
602-FIT-221-R	**Refill for FIT® MGKIT1**, contains 60-6" lengths in 6 colors. 1/8", 3/16", 1/4", 3/8", 1/2"	31.09
602-FIT-KIT-1	**Vinyl**: 9 sizes: 3/64"-3/4", 18: 6" pieces; **Polyolefin**: 9 sizes: 3/64"-3/4", 19: 6" pieces; **Semi-rigid Polyolefin**: 8 sizes: 3/64"-1/2", 12: 6" pieces; **Surface Irradiated Polyolefin**: 5 sizes: 1/8"-1/2", 10: 6" pieces; **Kynar®**: 7 sizes: 3/64"-3/8", 14: 6" pieces; **Crimps**: 22AWG and 10AWG, 3 pieces; **Boots**: 6 pieces	86.23
602-FIT-KIT-2	Includes **all items in kit 602-FIT-KIT-1** (above), **plus** the following: **Adhesive-lined Polyolefin**: 2 sizes: 1/4" and 1/2", 16: 6" pieces and 24:1" pieces; **FEP Teflon®**: 6 sizes: 12AWG-24AWG, 22: 6" pieces; **TFE Teflon®**: 5 sizes: 18AWG-26AWG, 17: 6" pieces; **Neoprene**: 5 sizes:1/4"-1": 8: 6" pieces; **Cable sleeves**: 2 sizes: 21 and 22, 2: 6" pieces; **Adhesive cable sleeves**: 3/8": 10: 1" pieces	138.43
602-FIT-KIT-7	**Vinyl**: 7 sizes: 1/6"-1/2", 14: 6" pieces; **FEP Teflon®**: 7 sizes: 24-12, 14: 6" pieces; 2 to 1 **Polyolefin**: 7 sizes: 1/16"-1/2", 28: 6" pieces; **Adhesive wall Polyolefin**: 5 sizes: 1/4"-1", 10: 6" pieces; **Ground lead Polyolefin**: 3 sizes: 1/8"-1/2", 6: 6" pieces;pieces; 3 to 1 **Polyolefin**: 3 sizes: **Surface Irradiated Polyolefin**: 4 sizes: 1/2"-3/8", 8: 6" 1/8"-1/2", 6: 6" pieces; **Kynar®**: 7 sizes: 3/64"-1/2", 14: 6" pieces; **Shrink Nylon crimps**: 3 sizes: 1-3, 12 pieces	159.12

621 HEAVY WALL ADHESIVE LINED IRRADIATED POLYOLEFIN SHRINKABLE TUBING



- Shrink Ratio: 6:1
- Shrink Temperature: 121°C
- Operating Temperature: -55°C to +90°C
- Longitudinal Shrinkage: -10%

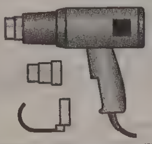
6 In. Lengths

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Per Package			
				1	5	25	100
602-621058-6BK	5/8	3	Black	89.10	86.87	77.96	73.51
602-621114-6BK	1 1/4	3	Black	100.00	97.50	87.50	82.50
602-621200-6BK	2	3	Black	113.40	110.57	99.23	93.56
602-621212-6BK	2 1/2	3	Black	110.40	107.64	96.60	91.08
602-621300-6BK	3	3	Black	166.36	162.26	145.05	136.86
602-621400-6BK	4	3	Black	278.80	271.83	243.95	230.01

MULTI-FUNCTIONAL HEAT GUN

This economical two-temperature heat gun is lightweight in design. It has a dual temperature setting by means of a 3-position slider switch. High and low temperature: 750° F-low, 1090° F-high, 1200W, 120V. Equipped with built-in ring stand and hanger, concentrator nozzle, and hook reflector nozzle attachments.



MOUSER STOCK NO.	Price Each	
	1	5
602-FGUN3	83.66	79.64

PVC HEAT SHRINKABLE TUBING ASSORTMENTS

Fungus Resistant. Non-Corrosive.
UL, and ASTM D-922 Requirements.

For quantities of 10 and up, call for quote.

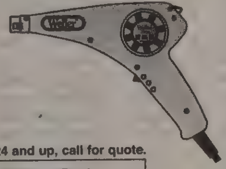
MOUSER STOCK NO.	Description	Price Each
524-12-1080	6" lengths, 23 pieces black	6.77
524-12-1082	6" lengths, 19 pieces clear	3.71

MODEL 6966C INDUSTRIAL HEAT GUN

Specifications:
- Electrical Rating: 120V, 250W, 60 Hz

Includes:
- 1/2" Reflector
- 1 1/2" Reflector
- Reducing Baffle
- Precision Reflector

Features:
- Designed for assembly and repair applications in production plants, laboratories and service shops
- ESD safe
- Approx. 750°F to 800°F hot air at nozzle
- 3 wire grounded plug, 6' cord
- 3 position switch
- Lightweight, 13 oz.



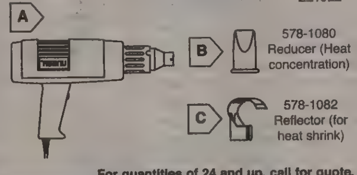
For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Price Each		
Mfr.	Mfr. Part No.	1	6	12
578—6966C		139.96	134.98	125.09

HEAT GUN & ACCESSORIES

Provides flameless heat for applying heat shrink tubing, curing epoxy, and many other applications. High and Low Temperature: 790°F-Low, 1200°F-High, 1000W (max.), 120VAC, 60Hz.

E21922



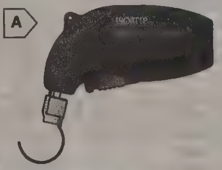
For quantities of 24 and up, call for quote.

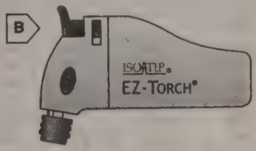
MOUSER STOCK NO.		Fig.	Price Each		
Mfr.	Mfr. Part No.		1	6	12
578—1095		A	57.25	55.33	51.49
578—1080		B	6.67	6.42	6.12
578—1082		C	6.67	6.42	6.12

PORTABLE HEAT GUN AND MINI TORCH

MicroTherm Heat Gun
- Portable and Flameless Heat
- Electronic Ignition
- Temperatures up to 1200°F (650°C)
- For heat shrink tubing, activating adhesives and potting compounds.

EZ-Torch Portable Mini Torch
- Electronic Ignition
- Runs approximately 20 minutes of continuous flame per cartridge
- Maximum Temperature Range: 1300°F-2375°F





For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	5	10
557—7975		A	MicroTherm Heat Gun	28.91	27.47	26.08
557—7978		B	EZ-Torch Mini Torch	19.95	18.95	18.00
557—7978-300		-	2 pack butane refills	3.19	2.96	2.80

HEAT SHRINKABLE TUBING

- 2 to 1 Shrink Ratio
- Flexible, Highly Flame Retardant Tubing
- Good resistance to most fuels and oils
- Good cut through and solder resistance
- Surface marked
- Operating Temperature: -55°C to 135°C
- Meets MIL I23053/5 Class 1 or Class 2
- Color: Black

E122770 073665

HSTT - Flexible Polyolefin Thin Wall Heat Shrink Tubing, Precut 4' Lengths

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Size	Expanded I.D. (In.)	Recovered I.D. (In.)	Price Per 4' Length		
				1	5	10
644-HSTT06-48-Q	1/16	.063	.031	2.20	2.10	1.98
644-HSTT09-48-Q	3/32	.093	.046	2.59	2.47	2.31
644-HSTT12-48-Q	1/8	.125	.062	2.72	2.58	2.44
644-HSTT19-48-Q	3/16	.187	.093	3.30	3.11	2.96
644-HSTT25-48-Q	1/4	.250	.125	4.15	3.94	3.87
644-HSTT38-48-Q	3/8	.375	.187	4.70	4.46	4.22
644-HSTT50-48-5	1/2	.500	.250	5.28	5.00	4.73
644-HSTT75-48-5	3/4	.750	.375	7.14	6.77	6.41
644-HSTT100-48-5	1	1.00	.500	9.91	9.40	8.94

HSTT-Combination Heat Shrink Tubing: Single Diameter, Black & Colors, 6 In. Lengths

- Colors Include: Clear, Red, Yellow, Green, Blue, and White

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Size	Expanded I.D. (In.)	Recovered I.D. (In.)	No. of Black Pcs.	Each Color No. of Pieces	Pieces Per Pkg.	Price Per Pkg.	
							1	5
644-HSTT06-YK1	1/16	.063	.031	8	3	26	11.12	9.73
644-HSTT09-YK1	3/32	.093	.046	6	3	24	11.12	9.73
644-HSTT12-YK1	1/8	.125	.062	2	3	20	11.12	9.73
644-HSTT19-YK1	3/16	.187	.093	6	2	18	11.12	9.73
644-HSTT25-YK1	1/4	.250	.125	2	2	14	11.12	9.73
644-HSTT38-YK1	3/8	.375	.187	6	1	12	11.12	9.73
644-HSTT50-YK1	1/2	.500	.250	4	1	10	11.12	9.73
644-HSTT75-YK1	3/4	.750	.375	2	1	8	11.12	9.73
644-HSTT100-YK1	1	1.00	.500	1	1	7	11.12	9.73

HSTT - Multiple Diameter, Black Only, 6 In. Lengths

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	No. of Pieces by Diameter	Pieces Per Pkg.	Price Per Pkg.	
			1	5
644-HSTT-YK1	2 Pieces Each: 1/8", 1/16", 3/16", 3/32", 1/4", 1/2", 3/8"	14	11.12	9.73
644-HSTT-YK2	2 Pieces Each: 3/8", 1/2", 3/4", 1"	8	11.12	9.73

HSTT - Multiple Diameter, Yellow/Green Stripe, 6 In. Lengths

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	No. of Pieces by Diameter	Pieces Per Pkg.	Price Per Pkg.	
			1	5
644-HSTT-YK1-45	2 Pieces Each: 1/8", 3/16", 1/4", 3/8"	8	11.12	9.73
644-HSTT-YK2-45	2 Pieces Each: 3/8", 1/2", 3/4"	6	11.12	9.73

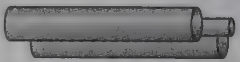
ALPHA WIRE Heat Shrinkable Tubing

alpha FIT Preferred Heat Shrink Products

alpha FIT 100 FLEXIBLE NON-IRRADIATED PVC SHRINKABLE TUBING

Specifications:
- Operating Temperature: 105°C
- UL VW-1
- 20% Longitudinal Shrinkage
- Shrinkage Temperature: 100°C

Replace the blank in the part number with: **BK** for **Black**, **CL** for **Clear**



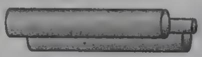
			25' Spool		Large Spools		
Size	Expanded I.D. Min (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Spool Lth (Ft.)	Price Per Spool
3/64	.046	.023	602-100364__-25	27.26	602-100364__	1000	228.92
1/16	.063	.032	602-100116__-25	16.34	602-100116__	1000	190.24
3/32	.093	.046	602-100332__-25	16.57	602-100332__	1000	205.28
1/8	.125	.063	602-100018__-25	17.08	602-100018__	1000	184.18
3/16	.187	.093	602-100316__-25	20.32	602-100316__	1000	256.86
1/4	.250	.125	602-100014__-25	21.85	602-100014__	1000	247.48
5/16	.313	.157	602-100516__-25	19.13	602-100516__	500	132.70
3/8	.375	.187	602-100038__-25	24.11	602-100038__	500	176.56
1/2	.500	.250	602-100012__-25	32.03	602-100012__	250	100.50
5/8	.625	.313	602-100058__-25	20.90	602-100058__	250	121.82
3/4	.750	.375	602-100034__-25	48.52	602-100034__	250	136.14
1	1.000	.500	602-100100__-25	72.68	602-100100__	250	196.62

alpha FIT 105 FLEXIBLE IRRADIATED PVC SHRINKABLE TUBING

Specifications:
- Operating Temperature: -35°C to 105°C
- Shrinkage Ratio: app. 2 to 1 @ 175°C
- Longitudinal Shrinkage: 10%
- Flammability: Self-Extinguishing (UL VW-1)
- Tensile Strength: 2600psi
- Ultimate Elongation: 250%
- Fungus Resistance: No Growth (MIL-1-7444)
- Dielectric Strength: 750V
- MIL-1-23053/2C, class 1
- Color: Black

Features:
- Economy
- Flexibility
- Excellent Flame Retardancy
- Military, UL/CSA requirements
- Extended shelf life

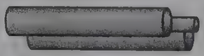
Applications:
- Use w/ Irradiated PVC wire/cable
- Wire harnesses
- Cable/connector protection
- Insulation of terminals
- Wire splices



			25' Spool		100' Spool		Large Spools		
Size	Expanded I.D. Min (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Price Per Spool	MOUSER STOCK NO.	Spool Lth (Ft.)	Price Per Spool
3/64	.046	.023	602-105364-25	14.63	602-105364-100	51.41	602-105364	1000	228.92
1/16	.062	.031	602-105116-25	15.18	602-105116-100	55.58	602-105116	1000	233.25
3/32	.093	.046	602-105332-25	17.77	602-105332-100	62.70	602-105332	1000	264.13
1/8	.125	.062	602-105018-25	18.62	602-105018-100	66.31	602-105018	1000	279.81
3/16	.187	.093	602-105316-25	22.80	602-105316-100	80.85	602-105316	1000	308.74
1/4	.250	.125	602-105014-25	28.05	602-105014-100	102.13	602-105014	1000	429.00
3/8	.375	.187	602-105038-25	31.64	602-105038-100	113.34	602-105038	500	239.05
1/2	.500	.250	602-105012-25	35.63	602-105012-100	127.78	602-105012	250	158.74
3/4	.750	.375	602-105034-25	47.72	602-105034-100	171.10	602-105034	250	218.27
1	1.000	.500	602-105100-25	60.54	602-105100-100	239.59	602-105100	250	297.68

alpha FIT 221 FLEXIBLE IRRADIATED POLYOLEFIN SHRINKABLE TUBING

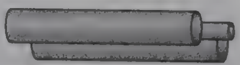
Specifications:
- Operating Temperature: -55°C to 135°C
- Shrinkage Ratio: App. 2 to 1 @ 121°C
- Longitudinal Shrinkage: ±3%
- Color: Black



			6" Lengths					4' Lengths				Large Spools		
Size	Expanded I.D. Min (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Pkg.			MOUSER STOCK NO.	Price Per 4' Length			MOUSER STOCK NO.	Spool Lth (Ft.)	Price Per Spool
					1	5	10		1	25	100			
3/64	.046	.023	602-221364-6BK	40	15.79	14.54	13.67	602-221364-4BK	.89	.70	.55	602-221364BK	1000	177.86
1/16	.063	.031	602-221116-6BK	36	15.79	14.54	13.67	602-221116-4BK	.99	.75	.61	602-221116BK	1000	181.49
3/32	.093	.046	602-221332-6BK	32	16.98	15.64	14.71	602-221332-4BK	1.40	1.07	.77	602-221332BK	500	102.94
1/8	.125	.062	602-221018-6BK	28	16.97	15.64	14.71	602-221018-4BK	1.11	.84	.69	602-221018BK	500	141.97
3/16	.187	.093	602-221316-6BK	24	17.62	16.22	15.25	602-221316-4BK	1.38	1.05	.82	602-221316BK	500	178.17
1/4	.250	.125	602-221014-6BK	20	16.98	15.64	14.71	602-221014-4BK	1.80	1.39	1.09	602-221014BK	250	104.08
3/8	.375	.187	602-221038-6BK	16	14.83	13.66	12.85	602-221038-4BK	2.30	1.78	1.41	602-221038BK	200	74.68
1/2	.500	.250	602-221012-6BK	14	13.05	12.02	11.31	602-221012-4BK	2.26	2.09	1.98	602-221012BK	150	93.52
3/4	.750	.375	602-221034-6BK	12	17.62	16.22	15.25	602-221034-4BK	2.60	2.40	2.28	602-221034BK	250	140.72
1	1.000	.500	602-221100-6BK	8	14.83	13.66	12.85	602-221100-4BK	3.92	3.63	3.42	602-221100BK	250	196.70
1 1/2	1.500	.750	602-221112-6BK	5	14.83	13.66	12.85	602-221112-4BK	10.42	9.63	9.12	602-221112BK	125	180.19
2	2.000	1.000	602-221200-6BK	3	14.83	13.66	12.85	602-221200-4BK	15.17	14.02	13.28	602-221200BK	125	291.19
3	3.000	1.500	602-221300-6BK	2	15.29	14.09	13.25	602-221300-4BK	28.66	26.51	25.09	602-221300BK	100	499.19
4	4.000	2.000	- - -	1	- - -	- - -	- - -	602-221400-4BK	36.58	33.84	32.01	602-221400BK	50	324.27

alpha FIT 221V HIGHLY FLAME RETARDANT IRRADIATED POLYOLEFIN SHRINKABLE TUBING

Specifications:
- Operating Temperature: -40°C to 125°C
- Shrinkage Ratio: App. 2 to 1 @ 121°C
- Longitudinal Shrinkage: ±3%
- Color: Black
- UL VW-1

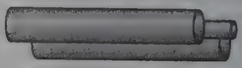


			6 In. Lengths					4 Ft. Lengths			
Size	Expanded I.D. Min (In.)	Recovered I.D. (In.)	MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Pkg.			MOUSER STOCK NO.	Price Per 4' Length		
					1	5	10		1	25	100
3/64	.046	.023	602-221V364-6	40	15.26	14.48	13.70	602-221V364-4	1.17	.76	.60
1/16	.063	.031	602-221V116-6	36	15.26	14.48	13.70	602-221V116-4	1.18	.80	.61
3/32	.093	.046	602-221V332-6	32	15.26	14.48	13.70	602-221V332-4	1.59	1.07	.82
1/8	.125	.062	602-221V018-6	28	18.76	17.79	16.84	602-221V018-4	1.69	1.13	.87
3/16	.187	.093	602-221V316-6	24	15.26	14.48	13.70	602-221V316-4	1.89	1.28	.99
1/4	.250	.125	602-221V014-6	20	15.26	14.48	13.70	602-221V014-4	2.41	1.59	1.23
3/8	.375	.187	602-221V038-6	16	15.26	14.48	13.70	602-221V038-4	2.87	1.92	1.48
1/2	.500	.250	602-221V012-6	14	15.26	14.48	13.70	602-221V012-4	3.30	2.20	2.08
3/4	.750	.375	602-221V034-6	12	16.38	15.54	14.70	602-221V034-4	4.43	2.96	2.80
1	1.000	.500	602-221V100-6	8	16.20	15.38	14.54	602-221V100-4	6.20	4.13	3.93

alpha FIT 321 3 TO 1 SHRINK RATIO POLYOLEFIN SHRINKABLE TUBING

Features:
- Adhesive Inner Wall

Specifications:
- Operating Temperature: -55°C to 110°C
- Shrinkage Ratio: App. 3 to 1 @ 125°C
- Longitudinal Shrinkage: 15%
- Color: Black



For quantities of 250 and up, call for quote.

			6" Lengths						4' Lengths				
Size	Expanded Inner Dimension Min.	Recovered Inner Dimension Min.	MOUSER STOCK NO.	Pieces Per Package	Price Per Package				MOUSER STOCK NO.	Price Per 4' Length			
					1	5	10	20		1	5	25	100
1/8	.12"	.04"	602-321018-6BK	28	58.73	56.99	55.27	51.81	602-321018-4BK	9.30	8.79	8.30	7.51
1/4	.24"	.08"	602-321014-6BK	20	53.06	51.50	49.94	46.82	602-321014-4BK	14.25	13.50	12.75	12.24
1/2	.47"	.16"	602-321012-6BK	14	58.36	56.66	54.93	51.50	602-321012-4BK	23.43	22.18	20.95	19.71
1	.94"	.32"	602-321100-6BK	8	53.38	51.80	50.24	47.10	602-321100-4BK	41.97	39.76	37.54	35.33

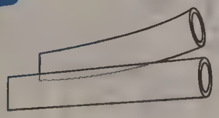
ALPHA WIRE Heat Shrinkable Tubing

Preferred Heat Shrink Products

FIT®-CLEAR, A CRYSTAL CLEAR HEAT SHRINKABLE TUBING THAT IS ALSO HIGHLY FLAME RETARDANT

Features:
- Where visual inspection and identification are required
- Excellent flame retardancy
- Excellent heat resistance
- Excellent chemical resistance
- Operating Temperature: -55°C to 175°C
- Shrinkage ratio: Approximately 2 to 1 @ 150°C
- All standard packages: Clear
- For use with XTRA-Guard® 4 and XTRA-Guard® 5

NEW PRODUCT



Specification:
- Passes UL VW-1 Flame Test

Alpha Part No.	Size	Expanded I.D. Min (in.)	Recovered I.D. (in.)	Spool Length (Ft.)	MOUSER STOCK NO.	Price Each
FIT-CLEAR-3/64	3/64	0.046	0.023	100	602-FITCLR364	133.20
FIT-CLEAR-1/16	1/16	0.063	0.031	100	602-FITCLR116	145.00
FIT-CLEAR-3/32	3/32	0.093	0.046	100	602-FITCLR332	170.00
FIT-CLEAR-1/8	1/8	0.125	0.062	100	602-FITCLR018	185.50
FIT-CLEAR-3/16	3/16	0.187	0.093	100	602-FITCLR316	288.40
FIT-CLEAR-1/4	1/4	0.250	0.125	100	602-FITCLR014	363.00
FIT-CLEAR-3/8	3/8	0.375	0.187	100	602-FITCLR038	477.10
FIT-CLEAR-1/2	1/2	0.500	0.250	50	602-FITCLR012	355.10
FIT-CLEAR-3/4	3/4	0.750	0.375	50	602-FITCLR034	437.00
FIT-CLEAR-1	1	1.000	0.500	50	602-FITCLR100	710.00
FIT-CLEAR-1-1/2	1 1/2	1.500	0.750	50	602-FITCLR112	910.00
FIT-CLEAR-2	2	2.000	1.000	50	602-FITCLR200	1290.00

FLEX

Features:
- Highest flexibility available
- Scrape abrasion resistance
- Flame retardancy
- Flexibility in widest temperature range: -75°C to 200°C
- Pliability when substrate requires "Give"
- Use with XTRA-Guard® Flexible Cables
- Color: Gray

Specifications: UL Standard 224

			25' Spools		100' Spools	
Alpha Part No.	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each	MOUSER STOCK NO.	Price Each
FIT-FLEX-2	0.112	0.070	602-FITFLEX2	256.40	602-FITFLEX2C	1024.90
FIT-FLEX-3	0.190	0.116	602-FITFLEX3	333.10	602-FITFLEX3C	1332.10
FIT-FLEX-5	0.305	0.184	602-FITFLEX5	450.20	602-FITFLEX5C	1799.90
FIT-FLEX-6	0.391	0.240	602-FITFLEX6	508.20	602-FITFLEX6C	2032.10
FIT-FLEX-9	0.588	0.357	602-FITFLEX9	669.20	602-FITFLEX9C	2676.40
FIT-FLEX-12	0.825	0.475	602-FITFLEX12	983.90	602-FITFLEX12C	3935.30
FIT-FLEX-20	1.217	0.790	602-FITFLEX20	1724.90	602-FITFLEX20C	6899.10

321V LOW SHRINK TEMP, FLAME RETARDANT IRRADIATED POLYOLEFIN

Applications:
- Delicate and intricate electronics protection
- Industrial applications
- Where substrates are heat sensitive

Specifications:
- Operating temperature: -55°C to 125°C
- Shrinkage ratio: App 3 to 1 @ 90°C
- Color: Black
- UL Standard 224
- Fast recovery time
- For use with Series V (VFD Cable)

Alpha Part No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	Spool Length (Ft.)	MOUSER STOCK NO.	Price Each
FIT-321V-3/32	3/32	0.093	0.031	500	602-321V332BK	172.04
FIT-321V-1/8	1/8	0.125	0.042	500	602-321V018BK	179.16
FIT-321V-1/4	1/4	0.250	0.083	250	602-321V014BK	120.18
FIT-321V-3/8	3/8	0.375	0.125	200	602-321V038BK	107.35
FIT-321V-1/2	1/2	0.500	0.166	150	602-321V012BK	90.34
FIT-321V-3/4	3/4	0.750	0.250	250	602-321V034BK	201.78
FIT-321V-1	1	1.000	0.333	250	602-321V100BK	281.76

400 TEMPERATURE/CHEMICAL RESISTANT FEP TEFLON® HEAT SHRINK

Features:
- Excellent chemical resistance
- Thinnest wall thickness available
- Color: Natural
- Extreme temperature: -67°C to 200°C
- Use with XTRA-Guard® 4 and XTRA-Guard® 5

4' Lengths

Alpha Part No.	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
FIT-400-20	0.045	0.039	602-FIT-400-20	6.56
FIT-400-16	0.075	0.061	602-FIT-400-16	7.73
FIT-400-14	0.092	0.072	602-FIT-400-14	7.99
FIT-400-12	0.115	0.089	602-FIT-400-12	8.81
FIT-400-8	0.180	0.143	602-FIT-400-8	12.61
FIT-400-6	0.225	0.180	602-FIT-400-6	15.69

421 OVER EXPANDED, IRRADIATED POLYOLEFIN

Features:
- Large supplied diameter sizes
- Resistance to water, fungus, and UV light

Specifications:
- Tensile strength: 1500psi
- Operating temperature: -55°C to +135°C
- Shrinkage ratio: Approximately 4 to 1 @ 121°C
- Color: Black

Applications:
- D-Sub connector strain relief
- RS-232 25 pin connector to cable coverage
- Covers the most irregular shapes and connectors
- PC board coverage and protection

4' Lengths

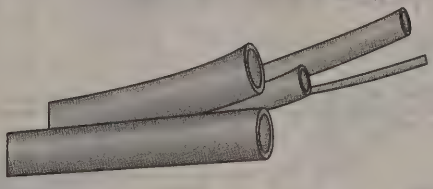
Alpha Part No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
FIT-421-1	1"	1.000	0.275	602-FIT421100	54.53
FIT-421-1-1/2	1 1/2"	1.150	0.375	602-FIT421112	52.94
FIT-421-2	2"	2.000	0.550	602-FIT421200	89.13
FIT-421-3	3"	3.000	0.810	602-FIT421300	55.62
FIT-421-4	4"	4.000	1.050	602-FIT421400	96.84

600 HIGHLY-FLEXIBLE IRRADIATED ELASTOMER

- Improved flexibility
- More than twice the tensile strength of silicone rubber
- Oil resistance and flame retardancy
- Large tubing diameters
- Use with XTRA-GUARD® 4
- Color: Black

25' Spools

FIT-600-1/4	1/4	0.250	0.143	602-FIT60014	126.40
FIT-600-3/8	3/8	0.375	0.214	602-FIT60038	151.20
FIT-600-1/2	1/2	0.500	0.286	602-FIT60012	167.80
FIT-600-5/8	5/8	0.625	0.357	602-FIT60058	188.70
FIT-600-3/4	3/4	0.750	0.428	602-FIT60034	209.80
FIT-600-7/8	7/8	0.875	0.500	602-FIT60078	234.60
FIT-600-1	1	1.000	0.570	602-FIT600100	256.00
FIT-600-1-1/4	1 1/4	1.250	0.714	602-FIT600114	354.70
FIT-600-1-1/2	1 1/2	1.500	0.857	602-FIT600112	414.60
FIT-600-1-3/4	1 3/4	1.750	1.000	602-FIT600134	506.50
FIT-600-2	2	2.000	1.140	602-FIT600200	589.20
FIT-600-3	3	3.000	1.710	602-FIT600300	899.30



650 CHEMICAL AND TEMPERATURE RESISTANT IRRADIATED VITON®

Features:
- Extreme temperatures: -40°C to 200°C
- Excellent chemical resistance (water, oil, acid and fuels)
- Flexibility
- Use with XTRA-GUARD® 5 and XTRA-GUARD® Flexible Cables
- Color: Black

100' Spools

Alpha Part No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
FIT-650-1/8	1/8	0.125	0.062	602-FIT65018	1292.30
FIT-650-3/16	3/16	0.187	0.093	602-FIT650316	1270.00
FIT-650-1/4	1/4	0.250	0.125	602-FIT65014	1238.00
FIT-650-3/8	3/8	0.375	0.187	602-FIT65038	1197.30
FIT-650-1/2	1/2	0.500	0.250	602-FIT65012	1915.60
FIT-650-3/4	3/4	0.750	0.375	602-FIT65034	2674.60
FIT-650-1	1	1.000	0.500	602-FIT650100	3665.00

700 BONDING, MASTIC LINED, IRRADIATED POLYOLEFIN

Features:
- Bonding adhesion to most materials
- Prevents wicking and fills interstices
- Superior strength
- Use with XTRA-GUARD® 3
- Temperature range: -55°C to 90°C
- Environmental and water-tight seal
- High voltage
- Tubing sizes match 14AWG-2000MCM sizes
- Color: Black

12" Lengths

Alpha Part No.	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each	
				1	6
FIT-700-21	0.750	0.220	602-FIT70021	14.31	12.98
FIT-700-22	1.100	0.375	602-FIT70022	13.59	12.33
FIT-700-23	1.500	0.500	602-FIT70023	18.80	17.06
FIT-700-24	2.000	0.750	602-FIT70024	21.24	19.27
FIT-700-25	3.000	1.250	602-FIT70025	64.47	58.50
FIT-700-26	4.500	1.750	602-FIT70026	76.40	69.32

750 BONDING, ADHESIVE-LINED, IRRADIATED POLYOLEFIN

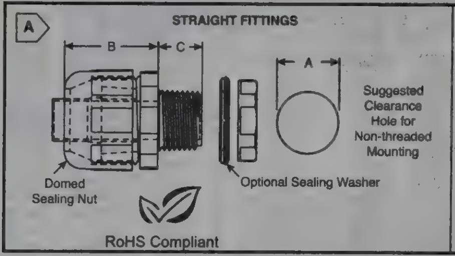
Features:
- Bonding to substrates
- Total encapsulation
- Permanent water and corrosion protection
- Internal isolation of individual substrates- "pinching"
- Use with XTRA-GUARD® 2
- Similar to FIT®-221 with adhesive liner
- Reduced diameters
- Color: Black
- Temperature range: -55°C to 110°C

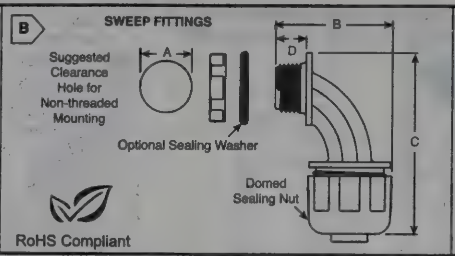
4' Lengths

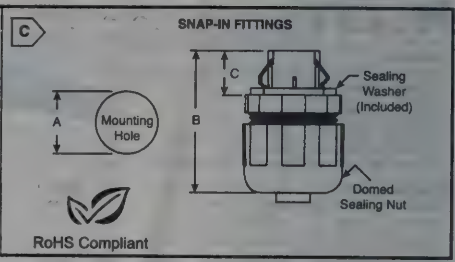
Alpha Part No.	Size	Expanded I.D. Min (In)	Recovered I.D. (In.)	MOUSER STOCK NO.	Price Each
FIT-750-1/4	1/4	0.250	0.125	602-FIT75014	10.33
FIT-750-3/8	3/8	0.375	0.187	602-FIT75038	11.48
FIT-750-1/2	1/2	0.500	0.250	602-FIT75012	13.59
FIT-750-3/4	3/4	0.750	0.375	602-FIT75034	20.97
FIT-750-1	1	1.000	0.500	602-FIT750100	32.41
FIT-750-1-1/2	1 1/2	1.500	0.750	602-FIT750112	46.08

HEYCO Liquid Tight Conduit and Fittings

HEYCO


A
STRAIGHT FITTINGS
B
C
A
Suggested Clearance Hole for Non-threaded Mounting
Domed Sealing Nut
Optional Sealing Washer
RoHS Compliant


B
SWEEP FITTINGS
Suggested Clearance Hole for Non-threaded Mounting
A
B
D
C
Optional Sealing Washer
Domed Sealing Nut
RoHS Compliant


C
SNAP-IN FITTINGS
C
Sealing Washer (Included)
A
Mounting Hole
B
Domed Sealing Nut
RoHS Compliant

HEYCO-FLEX™ CONDUIT FITTINGS

Use with HEYCO-FLEX™ Conduit and Tubing

LL-84579
LR-81067

E-28430

Features:

- Resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents
- Material: 6/6 Nylon
- Suitable for indoor/ outdoor use
- Protection class IP 68 per DIN 40050
- Sealing Washers are not included.

HEYCO Sealing Washers

Fits Trade Size	MOUSER STOCK NO.	Heyco Part No.	Description	Price Each			
				1	10	50	100
1/4"	**836-3258**	3258	SW 1/4	**.58**	**.44**	**.38**	**.34**
1/2"	**836-3260**	3260	SW 1/2	**.60**	**.48**	**.42**	**.37**
3/4"	**836-3261**	3261	SW 3/4	**.70**	**.55**	**.48**	**.43**
1"	**836-3262**	3262	SW 1	**.99**	**.78**	**.65**	**.56**

For quantities of 250 and up, call for quote.

Fits Conduit Trade Size	Description	Thread Size	Fig.	Black MOUSER STOCK NO.	Heyco Part No.	Gray MOUSER STOCK NO.	Heyco Part No.	DIMENSIONS: in.				Price Each			
								A	B	C	D	1	10	50	100
3/8"	HFC 3/8	1/2 NPT	A	**836-8400**	8400	**836-8401**	8401	0.875	1.330	0.625	--	**1.16**	**.91**	**.75**	**.66**
1/2"	HFC 1/2	1/2 NPT	A	**836-8402**	8402	**836-8403**	8403	0.875	1.330	0.625	--	**1.16**	**.91**	**.75**	**.66**
3/4"	HFC 3/4	3/4 NPT	A	**836-8404**	8404	**836-8405**	8405	1.109	1.410	0.625	--	**1.79**	**1.41**	**1.17**	**1.01**
1"	HFC 1	1 NPT	A	**836-8406**	8406	**836-8407**	8407	1.375	1.470	0.781	--	**2.75**	**2.17**	**1.79**	**1.55**
3/8"	HFC 3/8-90R	1/2 NPT	B	**836-8423**	8423	**836-8424**	8424	0.875	1.980	2.910	0.520	**1.85**	**1.46**	**1.21**	**1.04**
1/2"	HFC 1/2-90R	1/2 NPT	B	**836-8425**	8425	**836-8426**	8426	0.875	1.980	2.910	0.520	**1.85**	**1.46**	**1.21**	**1.04**
3/4"	HFC 3/4-90R	3/4 NPT	B	**836-8427**	8427	**836-8428**	8428	1.109	2.290	3.170	0.520	**2.88**	**2.25**	**1.87**	**1.62**
1"	HFC 1-90R	1 NPT	B	**836-8412**	8412	**836-8413**	8413	1.375	2.830	3.960	0.690	**4.40**	**3.47**	**2.89**	**2.50**
1/4"	HFC 1/4-S	1/4	C	**836-8382**	8382	--	--	0.500	1.500	0.500	--	**1.11**	**.88**	**.72**	**.63**
3/8"	HFC 3/8-S	3/8	C	**836-8384**	8384	--	--	0.875	2.000	0.625	--	**1.16**	**.91**	**.76**	**.65**
1/2"	HFC 1/2-S	1/2	C	**836-8386**	8386	--	--	0.875	2.000	0.625	--	**1.16**	**.91**	**.76**	**.65**
3/4"	HFC 3/4-S	3/4	C	**836-8388**	8388	--	--	1.090	2.031	0.625	--	**1.80**	**1.42**	**1.18**	**1.02**
1"	HFC 1-S	1	C	**836-8390**	8390	--	--	1.375	2.250	0.781	--	**2.76**	**2.17**	**1.81**	**1.55**

HEYCO-FLEX™ I LIQUID TIGHT CONDUIT

Use with HEYCO-FLEX™ Fittings

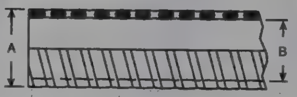
RoHS Compliant

LL-84576

E-121096

Features:

- Resists corrosion, abrasion, oil, water, acid, metal shavings, and rough environments
- Material: PVC
- Flammability Rating: VW1
- Color: Gray



Trade Size (In.)	MOUSER STOCK NO.	Heyco Part No.	Description	DIMENSIONS: in.		Price Per 100' Coil
				A	B	
3/8"	**836-8430**	8430	HF1 3/8	0.700	0.494	**62.66**
1/2"	**836-8431**	8431	HF1 1/2	0.830	0.632	**62.66**
3/4"	**836-8432**	8432	HF1 3/4	1.040	0.830	**77.64**
1"	**836-8433**	8433	HF1 1	1.303	1.054	**159.94**

HEYCO-FLEX™ II LIQUID TIGHT TUBING

Use with HEYCO-FLEX™ Fittings

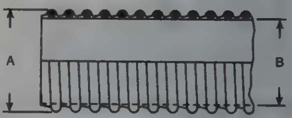
RoHS Compliant

E-121095

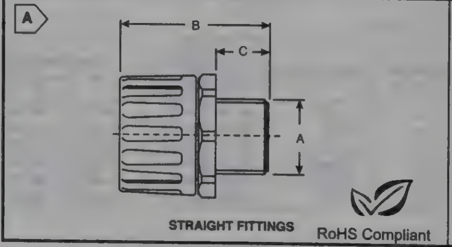
LL-84578

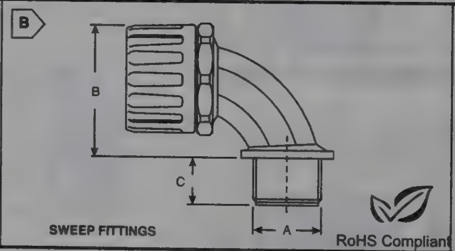
Features:

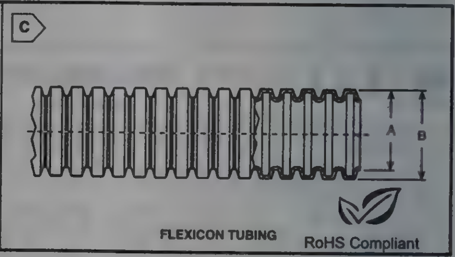
- Resists corrosion, oil, and water.
- Material: PVC
- Flammability Rating: VW1
- Color: Black



Trade Size (In.)	MOUSER STOCK NO.	Heyco Part No.	Description	DIMENSIONS: in.		Price Per 100' Coil
				A	B	
1/4"	**836-8449**	8449	HF2 1/4	0.568	0.395	**85.25**
3/8"	**836-8450**	8450	HF2 3/8	0.700	0.494	**90.01**
1/2"	**836-8451**	8451	HF2 1/2	0.830	0.632	**90.01**
3/4"	**836-8452**	8452	HF2 3/4	1.040	0.830	**127.90**
1"	**836-8453**	8453	HF2 1	1.303	1.054	**202.10**


A
B
C
A
STRAIGHT FITTINGS
RoHS Compliant


B
B
C
A
SWEEP FITTINGS
RoHS Compliant


C
A
B
FLEXICON TUBING
RoHS Compliant

HEYCO FLEXICON FITTINGS

Also available with PG and metric threads

E-229161

Use with Flexicon Tubing

Features:

- Unitary design and assembled shipment allows fast fit
- Resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents
- Material: 6/6 Nylon
- IP Rating: IP 66 per BS EN 60529 including high pressure water jet from any angle.
- Color: Black

For quantities of 250 and up, call for quote.

Fits Conduit Nominal Size	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	Thread Size	DIMENSIONS: in.			Price Each			
						A	B	C	1	10	50	100
1/2"	**836-F8506**	F8506	A	FPA 16-050	1/2 NPT	0.875	1.555	0.551	**1.45**	**1.29**	**1.22**	**1.16**
3/4"	**836-F8510**	F8510	A	FPA 21-050	1/2 NPT	0.875	1.732	0.551	**1.62**	**1.44**	**1.37**	**1.30**
1"	**836-F8516**	F8516	A	FPA 28-075	3/4 NPT	1.109	1.969	0.591	**1.62**	**1.44**	**1.37**	**1.30**
1/2"	**836-F8606**	F8606	B	FPA 16-050-90	1/2 NPT	0.875	1.476	0.512	**1.60**	**1.42**	**1.35**	**1.28**
3/4"	**836-F8610**	F8610	B	FPA 21-050-90	1/2 NPT	0.875	1.555	0.512	**1.62**	**1.44**	**1.37**	**1.30**
1"	**836-F8616**	F8616	B	FPA 28-075-90	3/4 NPT	1.109	1.988	0.591	**1.62**	**1.56**	**1.51**	**1.47**

HEYCO FLEXICON TUBING

Use with Flexicon Fittings

RoHS Compliant

E-229161

Features:

- Highly flexible
- Low fire hazard
- Self extinguishing
- Low smoke
- Material: Nylon 6
- Also available in Nylon 12
- Non-toxic
- High impact strength
- Temperature Range: -40°C to 120°C
- Flammability Rating: 94 V2 and
- Halogen Free
- UV Resistant Black. Also available in Gray

Nominal Size	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	DIMENSIONS: in.		Thread Size	Price Per 164' Roll
					A	B		
1/2"	**836-F8404**	F8404	C	FPAS 16/BL	.465	.622	1.575	**114.18**
3/4"	**836-F8406**	F8406	C	FPAS 21/BL	.657	.835	1.722	**162.24**
1"	**836-F8410**	F8410	C	FPAS 28/BL	.898	1.122	1.969	**265.35**

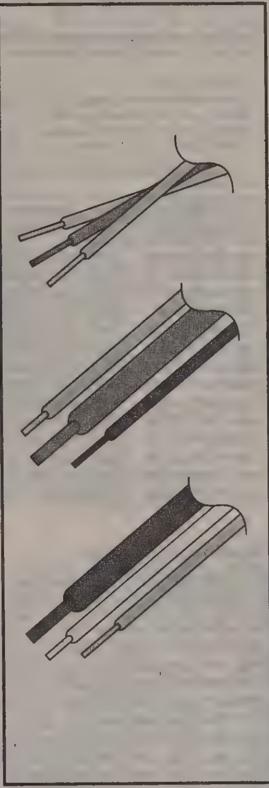
QUALTEK Heat Shrink Tubing

QUALTEK Q2-F SERIES - HIGH STRENGTH, VW-1, THIN WALL POLYOLEFIN, 2:1 SHRINK RATIO

Designed for use in commercial and military applications that require high strength and durability. Flexible, flame retardant and resistant to common fluids and solvents. Meets SAE-AMS-DTL-23053/5, Class 1 & 3 and meets the Sony SS-00259 standard. Wide range of standard colors available.

- Operating Temp: -55°C to +135°C
- Minimum Shrink Temp: 70°C
- UL File No. E236137
- Color: Black

c US RoHS Compliant



Size (In.)	As Supplied	After Recovered		6 Inch Lengths					4 Foot Lengths			
	Min. Inside Dia. (mm)	Max. Inside Dia.(mm)	Min. Wall Thickness (mm)	MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Package			MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Package		
						1	10	25			1	10	25
3/64	1.6	0.60	0.33	562-Q2F364-6N40	40	2.58	2.33	2.11	562-Q2F364-48N25	25	11.81	10.63	9.66
1/16	2.0	0.80	0.36	562-Q2F116-6N36	36	2.40	2.16	1.97	562-Q2F116-48N25	25	12.19	10.98	9.98
3/32	3.1	1.20	0.44	562-Q2F332-6N32	32	2.20	1.98	1.80	562-Q2F332-48N25	25	12.58	11.32	10.29
1/8	3.7	1.60	0.44	562-Q2F18-6N28	28	2.11	1.90	1.72	562-Q2F18-48N25	25	13.71	12.34	11.22
3/16	5.2	2.40	0.51	562-Q2F316-6N24	24	2.70	2.43	2.21	562-Q2F316-48N25	25	20.58	18.52	16.84
1/4	6.8	3.20	0.56	562-Q2F14-6N20	20	2.67	2.41	2.19	562-Q2F14-48N25	25	24.39	21.95	19.95
5/16	8.8	4.00	0.56	562-Q2F516-6N18	18	3.26	2.94	2.67	562-Q2F516-48N25	25	33.14	29.82	27.11
3/8	10.7	4.80	0.56	562-Q2F38-6N16	16	3.04	2.73	2.49	562-Q2F38-48N25	25	34.68	31.21	28.37
1/2	13.7	6.40	0.65	562-Q2F12-6N14	14	3.58	3.22	2.93	562-Q2F12-48N5	5	9.36	8.43	7.66
5/8	16.7	8.00	0.69	562-Q2F58-6N14	14	4.94	4.45	4.04	562-Q2F58-48N5	5	12.87	11.59	10.53
3/4	20.5	9.50	0.80	562-Q2F34-6N12	12	5.44	4.90	4.45	562-Q2F34-48N5	5	16.52	14.87	13.52
1	26.5	12.70	0.90	562-Q2F1-6N8	8	4.69	4.22	3.84	562-Q2F1-48N5	5	21.42	19.28	17.53
1 1/4	33.5	15.90	1.02	562-Q2F114-6N8	8	7.46	6.71	6.10	562-Q2F114-48N5	5	32.46	29.21	26.56
1 1/2	41.0	19.10	1.02	562-Q2F112-6N5	5	6.62	5.96	5.42	562-Q2F112-48N5	5	42.50	38.25	34.77
2	52.0	25.40	1.14	562-Q2F2-6N3	3	5.15	4.63	4.21	562-Q2F2-48N5	5	59.64	53.67	48.79

QUALTEK Q2-Z SERIES - LOW COST, VW-1, THIN WALL POLYOLEFIN, 2:1 SHRINK RATIO

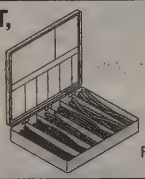
An environment friendly flame retardant tubing that is widely used for insulation, strain relief, harnessing, and color coding with good flexibility and superior mechanical strength. Wide range of standard colors.

- Operating Temp: -55°C to +135°C
- Minimum Shrink Temp: 70°C
- UL File No. E236137
- Color: Black

c US RoHS Compliant

3/64	1.6	0.60	0.33	562-Q2Z364-6N40	40	2.58	2.33	2.11	562-Q2Z364-48N25	25	11.81	10.63	9.66
1/16	2.0	0.80	0.36	562-Q2Z116-6N36	36	2.40	2.16	1.97	562-Q2Z116-48N25	25	12.19	10.98	9.98
3/32	3.1	1.20	0.44	562-Q2Z332-6N32	32	2.20	1.98	1.80	562-Q2Z332-48N25	25	12.58	11.32	10.29
1/8	3.7	1.60	0.44	562-Q2Z18-6N28	28	2.11	1.90	1.72	562-Q2Z18-48N25	25	13.71	12.34	11.22
3/16	5.2	2.40	0.51	562-Q2Z316-6N24	24	2.70	2.43	2.21	562-Q2Z316-48N25	25	20.58	18.52	16.84
1/4	6.8	3.20	0.56	562-Q2Z14-6N20	20	2.67	2.41	2.19	562-Q2Z14-48N25	25	24.39	21.95	19.95
5/16	8.8	4.00	0.56	562-Q2Z516-6N18	18	3.26	2.94	2.67	562-Q2Z516-48N25	25	33.14	29.82	27.11
3/8	10.7	4.80	0.56	562-Q2Z38-6N16	16	3.04	2.73	2.49	562-Q2Z38-48N25	25	34.68	31.21	28.37
1/2	13.7	6.40	0.65	562-Q2Z12-6N14	14	3.58	3.22	2.93	562-Q2Z12-48N5	5	9.36	8.43	7.66
5/8	16.7	8.00	0.69	562-Q2Z58-6N14	14	4.94	4.45	4.04	562-Q2Z58-48N5	5	12.87	11.59	10.53
3/4	20.5	9.50	0.80	562-Q2Z34-6N12	12	5.44	4.90	4.45	562-Q2Z34-48N5	5	16.52	14.87	13.52
1	26.5	12.70	0.90	562-Q2Z1-6N8	8	4.69	4.22	3.84	562-Q2Z1-48N5	5	21.42	19.28	17.53
1 1/4	33.5	15.90	1.02	562-Q2Z114-6N8	8	7.46	6.71	6.10	562-Q2Z114-48N5	5	32.46	29.21	26.56
1 1/2	41.0	19.10	1.02	562-Q2Z112-6N5	5	6.62	5.96	5.42	562-Q2Z112-48N5	5	42.50	38.25	34.77
2	52.0	25.40	1.14	562-Q2Z-2-6N3	3	5.15	4.63	4.21	562-Q2Z-2-48N5	5	59.64	53.67	48.79

QUALTEK Q2-Z TYPE - TUBING KIT, ASSORTED SIZES / BLACK



c US

RoHS Compliant

QKIT 1 consists of 180 6" pieces:

QKIT 2 consists of 82 6" pieces:

Size	Quantity	Size	Quantity
3/64	40 pieces	5/16	18 pieces
1/16	36 pieces	3/8	16 pieces
3/32	32 pieces	1/2	14 pieces
1/8	28 pieces	5/8	14 pieces
3/16	24 pieces	3/4	12 pieces
1/4	20 pieces	1	8 pieces

MOUSER STOCK NO.	Description	Price Per Kit
562-Q2ZQK101-180	Q Kit 1	20.18
562-Q2ZQK201-82	Q Kit 2	27.50

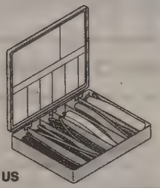
QUALTEK Q2-F TYPE - TUBING KIT, ASSORTED SIZES & COLORS

RoHS Compliant

QKIT 4 consists of 141 6" pieces:

Color / Size	1/16	1/8	1/4	3/8	1/2	1
Black	10	9	8	5	5	3
White	5	4	3	2	2	1
Red	4	3	2	2	2	1
Blue	4	3	2	2	2	1
Yellow	4	3	2	2	2	1
Green	4	3	2	2	2	1
Yellow/Green	4	3	2	2	2	1
Clear	4	3	2	2	2	1

- Polyolefin
- Flexible
- 3:1
- 135˚



c US

MOUSER STOCK NO.	Description	Price Per Kit
562-Q2FQK411-141	Q Kit 4	35.85

QUALTEK Q5-2X & Q5-3X TYPE - DUAL WALL, ADHESIVE LINES, FLEXIBLE POLYOLEFIN 2:1 & 3:1 SHRINK RATIO

Dual wall, adhesive lined tubing manufactured by co-extrusion of polyolefin and hot-melt adhesive. Designed to provide insulation and sealing protection against water and moisture for a wide variety of applications such as automotive harnessing, bundled wires, ship board cables, metal tubes, and many others. Standard color is black but other colors available for special order.

- Operating Temp: -45°C + 125°C
- Min Shrink Temp.: 80°C
- UL File No. E236137
- Color: black

c US RoHS Compliant

Size (In.)	As Sup.	After Recovered		6 Inch Lengths				4 Foot Lengths			
	Min. Inside Dia. (mm)	Max. Inside Dia. (mm)	Min. Wall Thick (mm)	MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Package		MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Package	
						1	10			1	10
Q5-2X											
1/8	3.2	1.6	0.70	562-Q52X18-6N28	28	8.77	7.89	562-Q52X18-48N25	25	54.42	48.98
3/16	4.8	2.4	0.70	562-Q52X316-6N24	24	9.02	8.12	562-Q52X316-48N25	25	65.30	58.77
1/4	6.4	3.2	0.75	562-Q52X14-6N20	20	9.18	8.26	562-Q52X14-48N25	25	79.83	71.85
3/8	9.5	4.8	0.75	562-Q52X38-6N16	16	10.02	9.02	562-Q52X38-48N25	25	108.85	97.96
1/2	12.7	6.4	0.75	562-Q52X12-6N14	14	13.44	12.10	562-Q52X12-48N5	5	33.39	30.05
3/4	19.1	9.5	0.90	562-Q52X34-6N12	12	18.27	16.44	562-Q52X34-48N5	5	27.50	24.75
1	25.4	12.7	1.10	562-Q52X1-6N8	8	16.32	14.69	562-Q52X1-48N5	5	83.46	75.11
1 1/2	38.1	19.0	1.10	562-Q52X112-6N5	5	19.40	17.46	562-Q52X112-48N5	5	134.98	121.48
Q5-3X											
1/8	3.0	0.6	1.00	562-Q53X18-6N28	28	8.77	7.89	562-Q53X18-48N25	25	54.42	48.98
3/16	4.8	1.5	1.10	562-Q53X316-6N24	24	9.02	8.12	562-Q53X316-48N25	25	65.30	58.77
1/4	6.0	2.0	1.20	562-Q53X14-6N20	20	9.18	8.26	562-Q53X14-48N25	25	79.83	71.85
3/8	9.0	3.0	1.30	562-Q53X38-6N16	16	10.02	9.02	562-Q53X38-48N25	25	108.85	97.96
1/2	12.0	4.0	1.70	562-Q53X12-6N14	14	13.44	12.10	562-Q53X12-48N5	5	33.39	30.05
3/4	19.0	6.0	2.00	562-Q53X34-6N12	12	18.27	16.44	562-Q53X34-48N5	5	52.97	47.67
1	24.0	8.0	2.20	562-Q53X1-6N8	8	16.32	14.69	562-Q53X1-48N5	5	83.46	75.11
1 1/4	30.0	10.0	2.40	562-Q53X114-6N5	5	14.39	12.95	562-Q53X114-48N5	5	100.14	90.13
1 1/2	40.0	13.0	2.50	562-Q53X112-6N5	5	19.40	17.46	562-Q53X112-48N5	5	134.98	121.48
2	50.0	19.0	2.50	562-Q53X2-6N3	3	16.71	15.03	562-Q53X2-48N5	5	109.10	98.22

QUALTEK Q-150K TYPE - KYNAR® THIN WALL

Flame retardant PVDF tubing used for applications requiring high temperature performance.

- Operating Temp: -55°C + 150°C
- Min Shrink Temp.: 135°C
- UL File No. E245010

c US RoHS Compliant

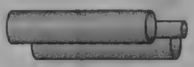
Size (In.)	As Sup.	After Recovered		4 Foot Lengths			
	Min. Inside Dia. (mm)	Max. Inside Dia. (mm)	Min. Wall Thick (mm)	MOUSER STOCK NO.	Pieces Per Pkg.	Price Per Package	
						1	10
Q-150K 2:1 Shrink Ratio, Black							
3/64	1.2	0.6	0.25	562-Q150K364-48N25	25	63.42	57.08
1/16	1.6	0.8	0.25	562-Q150K116-48N25	25	70.90	63.81
3/32	2.4	1.2	0.25	562-Q150K332-48N25	25	89.56	80.60
1/8	3.2	1.6	0.25	562-Q150K18-48N25	25	108.21	97.39
3/16	4.8	2.4	0.25	562-Q150K316-48N25	25	152.98	137.68
1/4	6.4	3.2	0.3	562-Q150K14-48N25	25	186.55	167.89
3/8	9.5	4.8	0.3	562-Q150K38-48N25	25	283.56	255.20
1/2	12.7	6.4	0.3	562-Q150K12-48N5	5	76.11	68.50
3/4	19.1	9.5	0.43	562-Q150K34-48N5	5	132.83	119.54
1	25.4	12.7	0.48	562-Q150K1-48N5	5	192.53	173.28
Q-150K 2:1 Shrink Ratio, Clear							
3/64	1.2	0.6	0.25	562-Q150K364-48N25C	25	63.42	57.08
1/16	1.6	0.8	0.25	562-Q150K116-48N25C	25	70.90	63.81
3/32	2.4	1.2	0.25	562-Q150K332-48N25C	25	89.56	80.60
1/8	3.2	1.6	0.25	562-Q150K18-48N25C	25	108.21	97.39
3/16	4.8	2.4	0.25	562-Q150K316-48N25C	25	152.98	137.68
1/4	6.4	3.2	0.3	562-Q150K14-48N25C	25	186.55	167.89
3/8	9.5	4.8	0.3	562-Q150K38-48N25C	25	283.56	255.20
1/2	12.7	6.4	0.3	562-Q150K12-48N5C	5	76.11	68.50
3/4	19.1	9.5	0.43	562-Q150K34-48N5C	5	132.83	119.54
1	25.4	12.7	0.48	562-Q150K1-48N5C	5	192.53	173.28

RAYCHEM Heat Shrinkable Tubing

RAYCHEM RNF-100

A premium grade flame-retardant polyolefin heat-shrinkable tubing. Outstanding all around performance. Excellent physical and electrical performance. Good chemical and solvent resistant flexability.

- Shrink Ratio: 2:1
- Operating Temperature Range: -55° to +135°C
- Minimum Shrink Temperature: +95°C
- Minimum Full Recovery Temperature: +121°C
- Color: Black



48" Lengths

MOUSER STOCK NO.	Raychem Part No.	Size	Price Each				
			1	50	100	250	500
650-RNF100364	RNF-100-3/64-BK-STK	3/64	1.36	1.20	1.12	1.04	.96
650-RNF100116	RNF-100-1/16-BK-STK	1/16	1.39	1.23	1.15	1.06	.98
650-RNF100332	RNF-100-3/32-BK-STK	3/32	1.46	1.29	1.21	1.12	1.03
650-RNF100018	RNF-100-1/8-BK-STK	1/8	1.57	1.39	1.30	1.20	1.11
650-RNF100316	RNF-100-3/16-BK-STK	3/16	1.90	1.68	1.57	1.46	1.34
650-RNF100014	RNF-100-1/4-BK-STK	1/4	2.39	2.11	1.93	1.79	1.65
650-RNF100038	RNF-100-3/8-BK-STK	3/8	2.60	2.35	2.20	2.05	1.88
650-RNF100012	RNF-100-1/2-BK-STK	1/2	2.98	2.71	2.50	2.29	2.14
650-RNF100034	RNF-100-3/4-BK-STK	3/4	4.01	3.65	3.35	3.07	2.87
650-RNF100100	RNF-100-1-BK-STK	1	6.72	6.10	5.60	5.17	4.80
650-RNF100112	RNF-100-1-1/2-BK-STK	1 1/2	14.11	12.84	11.76	10.86	10.09
650-RNF100200	RNF-100-2-BK-STK	2	17.51	15.92	14.59	13.47	12.50
650-RNF100300	RNF-100-3-BK-STK	3	62.68	57.02	52.22	48.25	44.78
650-RNF100400	RNF-100-4-BK-STK	4	58.79	53.42	48.98	45.20	42.02

Small Volume Spools

MOUSER STOCK NO.	Raychem Part No.	Size	Length (Ft.)	Per Spool			
				1	3	5	10
650-RNF100364SP	RNF-MINI-SPL-3/64-BK	3/64	100	23.58	21.43	19.65	18.14
650-RNF100116SP	RNF-MINI-SPL-1/16-BK	1/16	75	25.07	22.79	20.89	19.26
650-RNF100332SP	RNF-MINI-SPL-3/32-BK	3/32	65	25.07	22.79	20.89	19.26
650-RNF100018SP	RNF-MINI-SPL-1/8-BK	1/8	60	23.58	21.44	19.64	18.14
650-RNF100316SP	RNF-MINI-SPL-3/16-BK	3/16	50	24.29	22.08	20.24	18.69
650-RNF100014SP	RNF-MINI-SPL-1/4-BK	1/4	40	25.07	22.79	20.89	19.26
650-RNF100038SP	RNF-MINI-SPL-3/8-BK	3/8	35	25.07	22.79	20.89	19.26
650-RNF100012SP	RNF-MINI-SPL-1/2-BK	1/2	30	25.07	22.79	20.89	19.26
650-RNF100034SP	RNF-MINI-SPL-3/4-BK	3/4	25	25.07	22.79	20.89	19.26
650-RNF100100SP	RNF-MINI-SPL-1-BK	1	15	25.07	22.79	20.89	19.26

RAYCHEM RW-175

High temperature, fluid resistant, extra tough and semi-rigid heat-shrinkable tubing. Excellent chemical resistance.

- Shrink Ratio: 2:1
- Operating Temperature Range: -55° to +175°C
- Minimum Shrink Temperature: +155°C
- Minimum Full Recovery Temperature: +175°C
- Color: Clear

48" Lengths

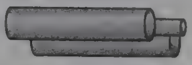
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Size	Price Each				
			1	5	10	25	50
650-RW175364	RW-175-3/64-X-STK	3/64	3.02	2.75	2.52	2.34	2.15
650-RW175332	RW-175-3/32-X-STK	3/32	3.53	3.22	2.94	2.73	2.51
650-RW175116	RW-175-1/16-X-STK	1/16	3.18	2.90	2.65	2.46	2.26
650-RW175018	RW-175-1/8-X-STK	1/8	3.85	3.51	3.21	2.98	2.74
650-RW175316	RW-175-3/16-X-STK	3/16	6.00	5.47	5.00	4.65	4.26
650-RW175014	RW-175-1/4-X-STK	1/4	7.57	6.90	6.31	5.86	5.38
650-RW175038	RW-175-3/8-X-STK	3/8	9.08	8.28	7.57	7.03	6.45
650-RW175012	RW-175-1/2-X-STK	1/2	16.24	14.81	13.53	12.58	11.54
650-RW175034	RW-175-3/4-X-STK	3/4	29.87	27.23	24.89	23.13	21.23

RAYCHEM NT-MIL

Widely used for insulation, strain relief, and abrasion protection on cable harnesses and wire bundles in the military and aerospace industries. Especially suitable for applications requiring exposure to fluids and solvents at elevated temperatures.

- Shrink Ratio: 1.75:1
- Minimum Shrink Temperature: 90°C
- Minimum Full Recovery Temperature: +135°C
- Color: Black



Small Volume Spools

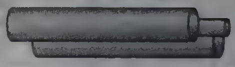
MOUSER STOCK NO.	Raychem Part No.	Size	Length (Ft.)	Per Spool			
				1	3	5	10
650-NTMIL14SP	NT-MIL-1/4-0-SP	1/4	300	334.21	303.83	297.03	286.03
650-NTMIL38SP	NT-MIL-3/8-0-SP	3/8	300	501.04	455.49	417.54	385.42
650-NTMIL12SP	NT-MIL-1/2-0-SP	1/2	300	554.29	503.90	461.91	426.38
650-NTMIL34SP	NT-MIL-3/4-0-SP	3/4	200	461.00	419.09	384.17	354.61
650-NTMIL1SP	NT-MIL-1-0-SP	1	200	623.06	566.42	519.21	479.27

RAYCHEM VERSAFIT

Highly flame-retardant, very flexible and low-shrink-temperature Polyolefin tubing.

Free of Polybrominated Biphenyls (PBBs) and Polybrominated Biphenyl Oxides and Ethers (PBBOs and PBBEs), which are classified as environmentally hazardous substances.

- Shrink Ratio: 2:1
- Operating Temperature Range: -55° to +135°C
- Minimum Shrink Temperature: 70°C
- Minimum Full Recovery Temperature: 90°C
- Color: Black



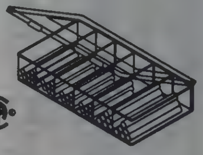
Small Volume Spools

MOUSER STOCK NO.	Raychem Part No.	Size	Len (Ft.)	Per Spool			
				1	3	5	10
650-VER364SP	VERSAFIT-MINI-SPL-3/64-BK	3/64	100	24.51	22.28	20.43	18.86
650-VER116SP	VERSAFIT-MINI-SPL-1/16-BK	1/16	75	24.51	22.28	20.43	18.86
650-VER332SP	VERSAFIT-MINI-SPL-3/32-BK	3/32	65	23.11	22.28	20.43	18.86
650-VER018SP	VERSAFIT-MINI-SPL-1/8-BK	1/8	60	24.51	22.28	20.43	18.86
650-VER316SP	VERSAFIT-MINI-SPL-3/16-BK	3/16	50	23.79	21.63	19.83	18.31
650-VER014SP	VERSAFIT-MINI-SPL-1/4-BK	1/4	40	23.11	22.28	20.43	18.86
650-VER038SP	VERSAFIT-MINI-SPL-3/8-BK	3/8	35	24.51	22.28	20.43	18.86
650-VER012SP	VERSAFIT-MINI-SPL-1/2-BK	1/2	30	23.11	21.01	19.26	17.78
650-VER034SP	VERSAFIT-MINI-SPL-3/4-BK	3/4	25	23.11	21.01	19.26	17.78
650-VER100SP	VERSAFIT-MINI-SPL-1-BK	1	15	23.11	21.01	19.26	17.78

RAYCHEM VERSAFIT KITS AND REFILLS

Versafit Kit 1

Contents:
- 30pcs. 3/16" Black-fits 18-14 AWG
- 28pcs. 1/4" Black-fits 12-10 AWG
- 24pcs. 3/8" Black-fits 8 AWG
- 20pcs. 1/2" Black-fits 6-3 AWG
- 14pcs. 3/4" Black-fits 2-1/0 AWG
- 10pcs. 1" Black-fits 2/0-4/0 AWG



Shrink Ratio: 2:1. Rated for 1000V, 125°C VW1 for dry application insulation and strain-relief.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Description	Price Each
650-KIT1	VERSAFIT-KIT-1-0	126 Pieces - Assorted Sizes - Black	69.79

Colors: Black

For quantities of 10 and up, call for quote.

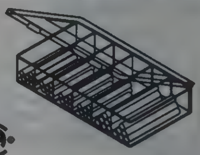
MOUSER STOCK NO.	Raychem Part No.	Size	Length	Price Each
650-KIT4	VERSAFIT-KIT-4-0	3/16, 1/4, 3/8, 1/2, 3/4, 1	3 X 6"	7.98
650-KIT6	VERSAFIT-KIT-6-0	3/64, 1/16, 3/32, 1/8	4 X 6"	8.18

Kit-1 Refills - Versafit - 6" Cut Pieces in Bag, Black

MOUSER STOCK NO.	Raychem Part No.	Size	No. of Pcs.	Price Each				
				1	50	100	250	500
650-VER316B	VERSAFIT-3/16-KT1-REFIL	3/16	30	7.89	7.16	6.57	6.06	5.62
650-VER014B	VERSAFIT-1/4-KT1-REFIL	1/4	28	8.62	7.83	7.19	6.55	6.15
650-VER038B	VERSAFIT-3/8-KT1-REFIL	3/8	24	7.89	7.16	6.57	6.06	5.62
650-VER012B	VERSAFIT-1/2-KT1-REFIL	1/2	20	7.89	7.16	6.57	6.06	5.62
650-VER034B	VERSAFIT-3/4-KT1-REFIL	3/4	14	7.89	7.16	6.57	6.06	5.62
650-VER100B	VERSAFIT-1-KT1-REFIL	1	10	7.89	7.16	6.57	6.06	5.62

Versafit Kit 2

Contents:
- 35pcs. 3/32" 5 each of 7 colors-fits 18 AWG
- 28pcs. 1/8" 4 each of 7 colors-fits 16 AWG
- 21pcs. 3/16" 3 each of 7 colors-fits 14 AWG
- 21pcs. 1/4" 3 each of 7 colors-fits 12-10 AWG
- 14pcs. 3/8" 2 each of 7 colors-fits 8 AWG
- 14pcs. 1/2" 2 each of 7 colors-fits 6-3 AWG



Shrink Ratio: 2:1. Rated for 1000V, 125°C VW1 for dry application insulation and strain-relief.

Colors: Blue, Black, Clear,
Green, Red, White, Yellow

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Description	Price Each
650-KIT2	VERSAFIT-KIT-2-0	133 Pieces- Assorted Sizes/Colors	68.00

Kit-2 Refills - Versafit - 6" Cut Pieces in Bag, Assorted Colors

Colors: Blue, Black, Clear,
Green, Red, White, Yellow

MOUSER STOCK NO.	Raychem Part No.	Size	No. of Pcs.	Price Each				
				1	50	100	250	500
650-VER332C	VERSAFIT-3/32-KT2-REFIL	3/32	35	8.62	7.83	7.19	6.55	6.15
650-VER018C	VERSAFIT-1/8-KT2-REFIL	1/8	28	8.38	7.61	6.99	6.35	5.98
650-VER316C	VERSAFIT-3/16-KT2-REFIL	3/16	21	8.14	7.39	6.79	6.17	5.81
650-VER014C	VERSAFIT-1/4-KT2-REFIL	1/4	21	8.14	7.39	6.79	6.17	5.81
650-VER038C	VERSAFIT-3/8-KT2-REFIL	3/8	14	8.38	7.61	6.99	6.35	5.98
650-VER012C	VERSAFIT-1/2-KT2-REFIL	1/2	14	8.14	7.39	6.79	6.17	5.81

RAYCHEM Heat Shrinkable Tubing, Splices, and Sleeves

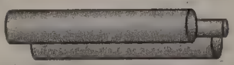
Tyco Electronics
Authorized Distributor

RAYCHEM DUAL WALL /4 CLASS 2

Adhesive-lined, flexible, polyolefin tubing.

Seals and protects simple in-line splices, bimetallic joints, and components from fluids, moisture, and corrosion. Repairs damaged wire insulation, especially where flexibility is required. Provides one-step electrical insulation and moisture sealing.

Specifications:
- Shrink ratio: 2:1
- Operating temperature range: -55° to +135°C
- Minimum shrink temperature: +95°C
- Minimum full recovery temperature: +121°C
- Color: Black



E85381

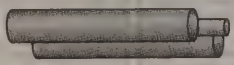
PVDF - Type, 48" Lengths

MOUSER STOCK NO.	Raychem Part No.	Size	Price Each				
			1	2	5	10	25
650-TAT125018	TAT-125-1/8-0-STK	1/8	4.68	4.25	3.91	3.60	3.34
650-TAT125316	TAT-125-3/16-0-STK	3/16	6.84	6.27	5.78	5.48	4.93
650-TAT125014	TAT-125-1/4-0-STK	1/4	7.15	6.51	5.96	5.50	5.10
650-TAT125038	TAT-125-3/8-0-STK	3/8	9.08	8.33	7.69	7.14	6.59
650-TAT125012	TAT-125-1/2-0-STK	1/2	9.90	9.00	8.26	7.61	7.07
650-TAT125034	TAT-125-3/4-0-STK	3/4	16.19	15.74	13.49	12.45	11.56
650-TAT125100	TAT-125-1-0-STK	1	19.68	17.90	16.42	15.14	14.06
650-TAT125112	TAT-125-1-1/2-0-STK	1 1/2	35.00	31.82	29.17	26.93	25.00

RAYCHEM DUAL WALL /4 CLASS 3

ATUM semi-flexible, general purpose adhesive-lined, moisture proof heat-shrinkable tubing. Provides excellent environmental sealing, high strength bonding, operating temperature -55°C to +110°C.

Specifications:
- Shrink ratio: 3:1
- Operating temperature range: -55° to +110°C
- Minimum shrink temperature: +80°C
- Minimum full recovery temperature: +110°C
- Color: Black



E85381

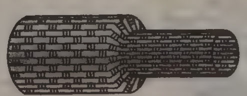
48" Lengths

MOUSER STOCK NO.	Raychem Part No.	Size (In.)	Price Each				
			1	2	5	10	25
650-ATUM31	ATUM-3/1-0-STK	1/8	10.19	9.27	8.50	7.85	7.28
650-ATUM62	ATUM-6/2-0-STK	1/4	15.51	14.10	12.92	11.92	11.09
650-ATUM93	ATUM-9/3-0-STK	3/8	17.12	15.57	14.27	13.17	12.23
650-ATUM124	ATUM-12/4-0-STK	1/2	10.00	9.09	8.33	7.69	7.14
650-ATUM196	ATUM-19/6-0-STK	3/4	13.99	12.71	11.68	10.80	10.01
650-ATUM248	ATUM-24/8-0-STK	1	39.74	36.13	33.12	30.57	28.39
650-ATUM4013	ATUM-40/13-0-STK	1 1/2	65.11	59.18	54.25	50.10	46.51

RAYCHEM HEAT SHRINKABLE FABRIC

HFT5000 products are made of very flexible heat-shrinkable fabric material. Heated above 110°C, they shrink to fit snugly and securely around the underlying substrate. Designed primarily to provide mechanical abrasion protection for components such as rubber hoses, plastic pipes, and harness wiring bundles, they are also suitable for other applications, such as noise and rattle suppression.

Specifications:
- Shrink ratio: 2:1
- Warp material: Polyester
- Weft material: Irradiated, modified polyolefin
- Coating: Modified polyolefin
- Color: Black



Features:
- Highly flexible woven fabric tubing
- Polyethylene/polyester construction for excellent abrasion resistance
- Low shrink temperature

MOUSER STOCK NO.	Raychem Part No.	Shrink Ratio	Spool (M.)	Price Each				
				1	2	5	10	25
650-HFT126	HFT-5000-12/6-0-SP	12/6	500	1016.72	984.95	953.18	921.40	889.63
650-HFT2010	HFT-5000-20/10-0-SP	20/10	400	976.06	945.56	915.06	884.56	854.06
650-HFT3015	HFT-5000-30/15-0-SP	30/15	400	1195.65	1158.28	1120.92	1083.56	1046.19
650-HFT4020	HFT-5000-40/20-0-SP	40/20	300	1085.86	1051.92	1017.99	984.06	950.12
650-HFT5025	HFT-5000-50/25-0-SP	50/25	200	886.59	858.89	831.18	803.47	775.77
650-HFT6030	HFT-5000-60/30-0-SP	60/30	200	963.84	933.72	903.60	873.48	843.36
650-HFT7035	HFT-5000-70/35-0-SP	70/35	150	994.37	963.29	932.22	901.15	870.07

RAYCHEM DURASEAL WIRE SPLICES

DuraSeal devices provide a tough, environmentally sealed wire connection. Their crimp barrel or terminal, encased in rugged, heat shrinkable nylon tubing lined with a special hot-melt adhesive, resists damage from abrasions and cuts.

Features:
- Resistance to moisture and abrasion
- Strain relief
- Protection from wire pull-out
- Easy installation

1pc. Crimp Splice with Tubing

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Size AWG	Price Each				
			1	100	500	1000	5000
650-D4060001	D-406-0001	22-18	.46	.43	.38	.35	.33
650-D4060002	D-406-0002	16-14	.46	.43	.38	.35	.33
650-D4060003	D-406-0003	12-10	.63	.58	.53	.48	.45

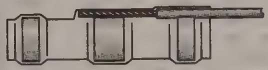
RAYCHEM SOLDER SLEEVES

Raychem's SolderSleeve heat-shrinkable wire and cable interconnection devices are a labor-saving alternative to conventional wire and cable termination methods such as craft-sensitive, time-consuming hand soldering or crimping.

Features:
- Controlled soldering with high level of sealing
- Strain relief
- Insulation
- Easy one step installation
- Application from 125°C to 260°C
- NAS, MIL-SPEC, and UL approvals

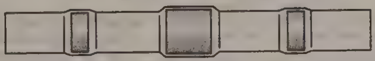
150C Mil-Spec 83519 Qualified

MOUSER STOCK NO.	Raychem Part No.	Inner Dia. Min.	Shield Dia. Min.	Price Each				
				1	50	100	250	500
650-S0101R	S01-01-R	.075"	.035"	2.44	2.22	2.03	1.88	1.74
650-S0102R	S01-02-R	.105"	.055"	2.40	2.18	2.01	1.85	1.72
650-S0103R	S01-03-R	.170"	.085"	2.54	2.31	2.12	1.95	1.82
650-S0104R	S01-04-R	.235"	.130"	3.03	2.75	2.52	2.33	2.17
650-S0105R	S01-05-R	.275"	.170"	3.51	3.19	2.92	2.70	2.50



125C (Commercial shield term w/lead)

MOUSER STOCK NO.	Raychem Part No.	Inner Dia. Min.	Shield Dia. Min.	Price Each				
				1	50	100	250	500
650-CWT3122	CWT-3-W122-5	.098"	.059"	1.39	1.26	1.15	1.05	.96
650-CWT5122	CWT-5-W122-5	.169"	.079"	1.43	1.31	1.22	1.10	1.02
650-CWT7122	CWT-7-W122-5	.252"	.130"	1.56	1.42	1.29	1.20	1.10



Solder Splicing Sleeves (For wire to wire splices)

MOUSER STOCK NO.	Raychem Part No.	Wire Jacket O.D. (mm)		Price Each				
		Min.	Max.	1	50	100	250	500
650-CWT9001	CWT-9001	0.4	1.7	.59	.54	.50	.46	.40
650-CWT9002	CWT-9002	1.3	2.7	.64	.59	.55	.50	.45
650-CWT9003	CWT-9003	1.8	4.5	.67	.62	.58	.53	.46

Solder Terminating Sleeves (For wire to pin termination)

MOUSER STOCK NO.	Raychem Part No.	Wire to Pin Sz. (AWG)	Wire to Tab Sz. (AWG)	Price Each				
				1	50	100	250	500
650-CWT1501	CWT-1501	24-20	24-20	.23	.21	.20	.19	.17
650-CWT1502	CWT-1502	24-18	24-18	.24	.22	.21	.20	.18
650-CWT1503	CWT-1503	22-20	24-18	.55	.53	.46	.41	.40

3M FP-301 FLEXIBLE POLYOLEFIN SHRINKABLE TUBING

- Shrink ratio: 2:1
- Shrink temperature: 100°C min.
- Temperature range: -55°C to +135°C
- Meets MIL-DTL-23053/5 Class 1&2
- Longitudinal shrinkage: <5%
- High resistance to solvents, acids, and alkalis
- Cross-linked polyolefin

Replace the blank in the Mouser Stock No. with: 1 for **Black**, 2 for **Blue**, 3 for **Clear**, 4 for **Red**, 5 for **White**, 6 for **Yellow**, 7 for **Green**

* Available in clear and black only

PRECUT 4' LENGTHS					
MOUSER STOCK NO.	Expanded I.D. (In.)	Price Per 4' Length			
		1	5	10	25
* 5174-1364__	3/64	1.10	1.04	.96	.85
5174-1116__	1/16	1.06	1.00	.95	.84
5174-1332__	3/32	1.14	1.08	1.02	.95
5174-118__	1/8	1.25	1.18	1.11	1.06
5174-1316__	3/16	1.35	1.27	1.19	1.13
5174-114__	1/4	1.62	1.34	1.24	1.20
5174-138__	3/8	1.80	1.44	1.34	1.25
5174-112__	1/2	2.00	1.60	1.49	1.40
5174-134__	3/4	2.69	2.04	1.90	1.75
5174-1100__	1	3.70	2.97	2.72	2.50
* 5174-1112__	1 1/2	6.98	5.74	5.26	4.82
* 5174-1200__	2	9.54	8.29	7.56	6.91
* 5174-1300__	3	23.49	19.68	14.72	12.35
5174-1400__	4	32.40	27.05	20.10	16.78

Small Reel: Replace blank with 5 for **Black**, 6 for **Clear**
Large Reel: Black is available from stock.
Replace blank with: **BK** for **Black**, **R** for **Red**,
Y for **Yellow**, **W** for **White**, **BU** for **Blue**, **C** for **Clear**

* Available from stock in black only

For quantities of 2 and up, call for quote.

SMALL REEL				LARGE REEL			
MOUSER STOCK NO.	Expanded I.D. (In.)	Reel Lth. (Ft.)	Price Per Reel	MOUSER STOCK NO.	Expanded I.D. (In.)	Reel Lth. (Ft.)	Price Per Reel
517-5__01	3/64	100	25.00	517-301364__/REEL	3/64	1000	155.03
517-5__02	1/16	100	18.63	517-301116__/REEL	1/16	1000	159.00
517-5__03	3/32	100	18.63	517-301332__/REEL	3/32	500	117.92
517-5__04	1/8	100	20.89	517-301018__/REEL	1/8	500	90.15
517-5__05	3/16	100	29.38	517-301316__/REEL	3/16	250	61.25
517-5__06	1/4	100	33.55	517-301014__/REEL	1/4	200	92.54
*517-5507	3/8	100	37.13	517-301038__/REEL	3/8	200	61.15
517-5__08	1/2	100	41.53	517-301012__/REEL	1/2	200	68.94
*517-5509	3/4	50	29.95	517-301034__/REEL	3/4	200	91.93
*517-5510	1	50	43.75	517-301100__/REEL	1	100	68.69
*517-5511	1 1/2	50	115.63	517-301112__/REEL	1 1/2	100	152.78
*517-5512	2	50	153.44	517-301200__/REEL	2	100	209.81
- - -	3	- - -	- - -	517-301300__/REEL	3	50	189.34
- - -	4	- - -	- - -	517-301400__/REEL	4	50	265.51

3M FP-301 FLEXIBLE POLYOLEFIN SHRINKABLE TUBING KIT

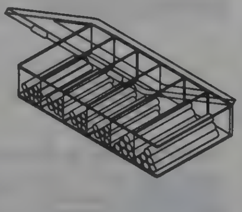
These heat shrink tubing kits are available in assorted colors or black. Each plastic box has a large selection of popular sizes and colors in 6" lengths. Assorted colors include black, red, white, yellow, blue, green, and clear.

MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Each Kit
517-5100	3/32 - 1/2	133	Assorted	61.70
517-5200	3/16 - 1	102	Black	60.74

Features:
- Shrink ratio: 2:1
- Shrink temperature: 100°C min.
- Operating temperature: -55°C to +135°C
- Longitudinal shrinkage: <5%

Reels are also available with a typical 1 to 2 week leadtime.

6" Refills for FP-301 Kits				
MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Per Pkg.
517-5201	3/64 - 3/16	30	Black	8.47
517-5101	3/32	35	Assorted	8.30
517-5102	1/8	28	Assorted	8.30
517-5103	3/16	21	Assorted	8.30
517-5203	3/16	30	Black	8.40
517-5202	1/4 - 3/4	16	Black	8.47
517-5104	1/4	21	Assorted	8.30
517-5204	1/4	26	Black	8.40
517-5105	3/8	14	Assorted	8.30
517-5205	3/8	24	Black	8.28
517-5106	1/2	14	Assorted	8.30
517-5206	1/2	20	Black	8.40
517-5207	3/4	14	Black	8.40
517-5208	1	10	Black	9.10

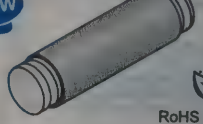


3M COLD SHRINK™ CONNECTOR INSULATOR TUBES

The 8420 Series cold shrink connector insulators are open-ended, tubular, rubber sleeves that are factory expanded and assembled onto a removable core. After the tube has been positioned for installation over an inline connection, coupling or termination, the core is removed allowing the tube to shrink and form a water-resistant seal.

Features:
- Simple installation, no tools required
- No torches or heat required
- Good thermal stability
- EPDM Rubber
- Water-resistant
- Resists fungus, acids, ozone & alkalies
- Seals tight with no tape/mastic required
- Improved, tougher rubber formulation to withstand backfilling.

NEW PRODUCT

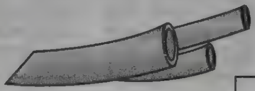


RoHS Compliant

MOUSER STOCK NO.	3M Part No.	Product Dia. Ranger In. (mm)	Relaxed Tube Length In. (mm)	Conductor Size AWG	Price Each	
					1	5
517-8424-8	8424-8	0.10 - 0.82 (2,54 - 20,9)	8.0 (203)	10 - 1/0 *	17.70	16.57
517-8425-8	8425-8	0.40 - 0.82 (10,1 - 20,9)	8.0 (203)	2 - 1/0	15.56	14.54
517-8426-9	8426-9	0.55 - 1.18 (13,9 - 30,1)	9.0 (229)	2/0 - 250	18.52	17.31
517-8427-12	8427-12	0.67 - 1.38 (16,8 -35,1)	12.0 (305)	450 - 800	27.66	25.84
517-8428-12	8428-12	0.95 - 1.94 (24,0 - 49,3)	12.0 (305)	450 - 800	39.40	36.83

*Product contains range-extending adapters

3M EPS-300 ADHESIVE LINED POLYOLEFLIN HEAT-SHRINK TUBING



Features:
- Shrink ratio: 3:1
- Shrink temperature: 121°C min
- Temperature range: -55°C to +110°C
- Longitudinal shrinkage: <15%
- Tensile strength: 2100 PSI
- Dielectric strength: 700 V/mil

PRECUT 4' LENGTHS					
MOUSER STOCK NO.	Size	Color	Price Per 4' Length		
			1	12	24
5174-348316	3/16	Black	7.50	6.07	5.75
5174-348014	1/4	Black	7.95	6.48	6.06
5174-348038	3/8	Black	9.70	8.85	8.00
			1	5	10
5174-348012	1/2	Black	11.26	10.24	9.31
5174-348034	3/4	Black	13.52	12.24	11.13
5174-348100	1	Black	21.30	20.25	19.30

3M VFP-876 VERY FLEXIBLE SHRINKABLE TUBING

Ideal for shrink-fit jacketing and insulation of flexible wire bundles and sensitive components.

- Shrink ratio: 2:1
- Shrink temperature: 121°C min.
- Temperature range: -55°C to +135°C
- Longitudinal shrinkage: <5%
- Reels available upon request with a typical 1-2 week lead time.

Available in Black Only

6" Lengths

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	No. Per Pkg.	Expanded I.D. (In.)	Price Per Package	
			1	5
517-6001	38	1/16	10.31	9.38
517-6002	36	3/32	10.31	9.38
517-6003	34	1/8	10.31	9.38
517-6015	30	3/16	10.31	9.38
517-6005	26	1/4	10.31	9.38
517-6006	24	3/8	10.31	9.38
517-6007	20	1/2	10.31	9.38
517-6008	14	3/4	10.31	9.38
517-6009	10	1	10.31	9.38

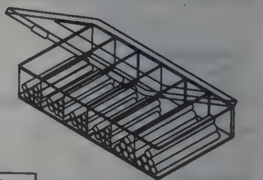
Precut 4' Lengths

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Expanded I.D. (In.)	Price Each		
		1	5	10
5174-31161	1/16	1.98	1.77	1.59
5174-33321	3/32	2.18	1.95	1.59
5174-3181	1/8	2.33	2.10	1.70
5174-33161	3/16	2.93	2.38	1.76
5174-3141	1/4	2.62	2.09	1.50
5174-3381	3/8	3.83	3.07	2.20
5174-3121	1/2	4.57	3.70	2.72
5174-3341	3/4	5.98	4.82	3.51
5174-31001	1	6.30	5.43	4.35

3M EPS-300 ADHESIVE LINED POLYOLEFLIN HEAT-SHRINK TUBING KIT

Flexible bond with a wide variety of rubbers, plastics and metals. EPS-300 offers superb environmental protection for electronic components, wire splices, wire bundles, and harness breakouts. The tubing is made from flame-retardant, flexible polyolefin with an internal layer of special thermoplastic adhesive.



- Shrink ratio: 3:1
- Shrink temperature: 121°C min.
- Operating temperature: -55°C to +110°C
- Longitudinal shrinkage: <15%

MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Each Kit
517-5300	1/2, 3/4, 1	42	Red/Black	110.12

6" Refills for EPS-300 Kits							
MOUSER STOCK NO.	Size (In.)	Pkg. Qty.	Color	Price Per Package			
				1	5	10	25
517-5307	3/16	24	Black	26.12	23.78	21.70	21.29
517-5308	1/4	20	Black	26.12	23.78	21.70	21.29
517-5309	3/8	16	Black	26.12	23.78	21.70	21.29
517-5301	1/2	14	Red	24.23	22.06	20.70	20.06
517-5302	1/2	14	Black	24.23	22.16	20.70	20.06
517-5303	3/4	12	Red	24.23	22.06	20.70	20.06
517-5304	3/4	12	Black	24.23	22.16	20.70	20.06
517-5306	1	8	Black	24.23	22.16	20.70	20.06

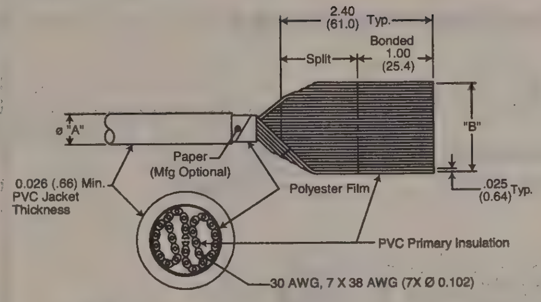
3M™ IDC Flat Cable

RoHS Compliant This page of product is compliant.

3896 SERIES .025" ROUND, JACKETED, FLAT CABLE

Specifications:

- 30 AWG
- Mass termination
- Primary material: Polyvinyl Chloride (PVC)
- Jacket material: Polyvinyl Chloride (PVC)
- RoHS Compliant per 3M documentation
- Flammability rating: USA - VW-1 Canada - FT1
- Temperature rating: -20°C to +105°C
- **Recommended use with 3M 0.050" x 0.100" Tripolarized, Wiremount Socket (82XXX-600X), .050" Mini D Ribbon (MDR) Wiremount Plug (101XX-8X00EE) and PAK 50 IDC Sockets (P25E-XXXS-XXX)**



RoHS Compliant

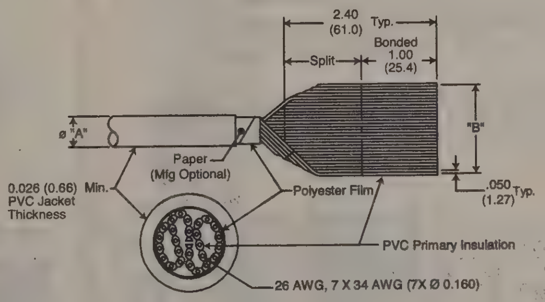
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	No. of Conductors	Diameter A ±.03 in. (mm)	Dimension B (Pertains to Bonded Area Only)	Price Per 275' Roll
Splice-Free (SF)					
517-3896/20-275SF	3896/20 275SF	20	0.30 (7.6)	0.475 +/- .004 (12.70)	211.37
517-3896/26-275SF	3896/26 275SF	26	0.33 (8.4)	0.625 +/- .004 (15.88)	268.79
517-3896/34-275SF	3896/34 275SF	34	0.37 (9.4)	0.825 +/- .006 (20.96)	346.81
517-3896/40-275SF	3896/40 275SF	40	0.39 (9.9)	0.975 +/- .006 (24.77)	395.16
517-3896/50-275SF	3896/50 275SF	50	0.44 (11.2)	1.255 +/- .066 (31.12)	493.94
517-3896/60-275SF	3896/60 275SF	60	0.70 (17.78)	1.475 +/- .009 (37.47)	551.37
517-3896/68-275SF	3896/68 275SF	68	0.74 (18.8)	1.675 +/- .009 (42.55)	609.21
517-3896/80-275SF	3896/80 275SF	80	0.78 (19.8)	1.975 +/- .011 (50.17)	680.03
517-3896/100-275SF	3896/100 275SF	100	0.88 (22.4)	2.475 +/- .025 (62.87)	840.84
Standard					
517-3896/20	3896/20	20	0.30 (7.6)	0.475 +/- .004 (12.70)	200.81
517-3896/26	3896/26	26	0.33 (8.4)	0.625 +/- .004 (15.88)	255.38
517-3896/30	3896/30	30	0.37 (9.4)	0.725 +/- .006 (18.42)	292.04
517-3896/32	3896/32	32	0.37 (9.4)	0.775 +/- .006 (19.69)	310.11
517-3896/34	3896/34	34	0.37 (9.4)	0.825 +/- .006 (20.96)	329.49
517-3896/36	3896/36	36	0.39 (9.9)	0.875 +/- .006 (22.23)	348.85
517-3896/40	3896/40	40	0.39 (9.9)	0.975 +/- .006 (24.77)	375.41
517-3896/50	3896/50	50	0.44 (11.2)	1.255 +/- .066 (31.12)	469.25
517-3896/52	3896/52	52	0.66 (16.8)	1.275 +/- .009 (32.39)	476.68
517-3896/60	3896/60	60	0.70 (17.78)	1.475 +/- .009 (37.47)	523.82
517-3896/68	3896/68	68	0.74 (18.8)	1.675 +/- .009 (42.55)	578.82
517-3896/80	3896/80	80	0.78 (19.8)	1.975 +/- .011 (50.17)	646.04
517-3896/100	3896/100	100	0.88 (22.4)	2.475 +/- .025 (62.87)	798.92

3758 SERIES .050" ROUND, JACKETED, FLAT CABLE

Specifications:

- 26 AWG
- Mass termination
- Primary material: Polyvinyl Chloride (PVC)
- Jacket material: Polyvinyl Chloride (PVC)
- RoHS Compliant per 3M documentation
- Flammability rating: USA - N.E.C. 725, CL2 Canada - FT1
- Temperature rating: USA - CL2, 75°C or AWM; -20°C to +80°C Canada - 80°C
- **Suitable for mass-termination to 3M .100" x .100" IDC Connectors**



RoHS Compliant

For quantities of 5 and up, call for quote.

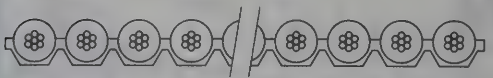
MOUSER STOCK NO.	3M Part No.	No. of Conductors	Diameter A ±.03 in. (mm)	Dimension B (Pertains to Bonded Area Only)	Price Per 275' Roll
Splice-Free (SF)					
517-3758/09-275SF	3758/09 275SF	9	0.26 (6.6)	0.40 (10.2)	105.17
517-3758/10-275SF	3758/10 275SF	10	0.26 (6.6)	0.45 (11.4)	114.59
517-3758/14-275SF	3758/14 275SF	14	0.27 (6.9)	0.65 (16.5)	159.60
517-3758/15-275SF	3758/15 275SF	15	0.27 (6.9)	0.70 (17.8)	170.51
517-3758/16-275SF	3758/16 275SF	16	0.27 (6.9)	0.75 (19.1)	201.67
517-3758/20-275SF	3758/20 275SF	20	0.30 (7.6)	0.95 (24.1)	228.00
517-3758/34-275SF	3758/34 275SF	34	0.37 (9.4)	1.65 (41.9)	310.57
517-3758/40-275SF	3758/40 275SF	40	0.39 (9.9)	1.95 (49.5)	363.70
517-3758/50-275SF	3758/50 275SF	50	0.44 (11.2)	2.45 (62.2)	444.30
Standard					
517-3758/09	3758/09	9	0.26 (6.6)	0.40 (10.2)	100.19
517-3758/10	3758/10	10	0.26 (6.6)	0.45 (11.4)	109.14
517-3758/14	3758/14	14	0.27 (6.9)	0.65 (16.5)	152.01
517-3758/15	3758/15	15	0.27 (6.9)	0.70 (17.8)	162.39
517-3758/16	3758/16	16	0.27 (6.9)	0.75 (19.1)	173.22
517-3758/20	3758/20	20	0.30 (7.6)	0.95 (24.1)	217.15
517-3758/26	3758/26	26	0.33 (8.4)	1.25 (31.8)	282.27
517-3758/30	3758/30	30	0.37 (9.4)	1.45 (36.8)	318.23
517-3758/34	3758/34	34	0.37 (9.4)	1.65 (41.9)	295.79
517-3758/36	3758/36	36	0.39 (9.9)	1.75 (44.5)	312.73
517-3758/40	3758/40	40	0.39 (9.9)	1.95 (49.5)	346.39
517-3758/50	3758/50	50	0.44 (11.2)	2.45 (62.2)	423.15
517-3758/60	3758/60	60	0.47 (11.9)	2.95 (74.9)	451.50
517-3758/64	3758/64	64	0.50 (12.7)	3.15 (80.0)	454.90

3M™ IDC Flat Cable

.050" ROUND CONDUCTOR FLAT CABLE

Specifications:

- 28 AWG Stranded
- Splice Free
- Mass Termination
- Insulation material: Polyvinyl Chloride (PVC)
- Color: Gray
- RoHS compliant per 3M documentation
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1
- Red marking on one edge of cable designates wire #1



RoHS Compliant

3365 Series

By the Foot / **By the 100 ft. Spool**

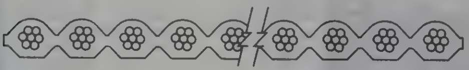
MOUSER STOCK NO.	No. of Cond.	Price Per Foot			MOUSER STOCK NO.	3M Part No.	Price Per 100' Spool
		1	10	25			
517-3365/9FT	9	.65	.61	.58	517-3365/9	3365/09	20.94
517-3365/10FT	10	.72	.67	.64	517-3365/10	3365/10	23.25
517-3365/14FT	14	1.01	.94	.89	517-3365/14	3365/14	32.51
517-3365/15FT	15	1.08	1.01	.96	517-3365/15	3365/15	34.87
517-3365/16FT	16	1.15	1.08	1.02	517-3365/16	3365/16	37.16
517-3365/20FT	20	1.44	1.35	1.28	517-3365/20	3365/20	46.46
517-3365/25FT	25	1.80	1.68	1.60	517-3365/25	3365/25	58.07
517-3365/26FT	26	1.87	1.75	1.66	517-3365/26	3365/26	60.39
517-3365/34FT	34	2.45	2.29	2.17	517-3365/34	3365/34	78.97
- - - - - - - - -	37	- - -	- - -	- - -	517-3365/37	3365/37	85.95
517-3365/40FT	40	2.88	2.69	2.36	517-3365/40	3365/40	92.92
517-3365/50FT	50	3.60	3.37	2.56	517-3365/50	3365/50	119.60
517-3365/64FT	64	4.61	4.31	3.83	517-3365/64	3365/64	148.64

.050" COLOR CODED FLAT CABLE

(For Easier Wire Identification)

Specifications:

- 28 AWG Stranded
- Mass Termination
- Insulation material: Polyvinyl Chloride (PVC)
- Color: 10 color repeat; clear carrier
- RoHS compliant per 3M documentation
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1



RoHS Compliant

3302 Series

By the Foot / **By the 100 ft. Spool**

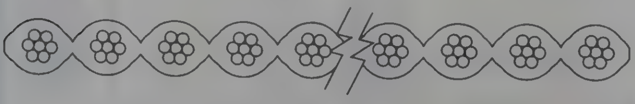
MOUSER STOCK NO.	No. of Cond.	Price Per Foot			MOUSER STOCK NO.	3M Part No.	Price Per 100' Spool
		1	10	25			
517-3302/9FT	9	.95	.89	.84	517-3302/9	3302/09	30.60
517-3302/10FT	10	1.05	.99	.94	517-3302/10	3302/10	34.00
517-3302/14FT	14	1.48	1.38	1.31	517-3302/14	3302/14	47.60
517-3302/16FT	16	1.69	1.58	1.50	517-3302/16	3302/16	54.40
517-3302/20FT	20	2.11	1.97	1.87	517-3302/20	3302/20	68.00
517-3302/25FT	25	2.64	2.47	2.34	517-3302/25	3302/25	85.00
517-3302/26FT	26	2.74	2.56	2.43	517-3302/26	3302/26	88.40
517-3302/34FT	34	3.58	3.35	3.18	517-3302/34	3302/34	115.60
517-3302/37FT	37	3.90	3.65	3.46	517-3302/37	3302/37	125.80
517-3302/40FT	40	4.22	3.94	3.74	517-3302/40	3302/40	136.00
517-3302/50FT	50	5.27	4.93	4.68	517-3302/50	3302/50	170.00

.050" ROUND CONDUCTOR FLAT CABLE

Specifications:

- 28 AWG Stranded
- Mass Termination
- Insulation material: Halogen Free Polyolefin (PO)
- Color: Off-White
- Conductors: Tinned stranded copper
- Voltage rating: 30V
- Temperature rating: -40°C to +105°C
- Flammability rating: UL: Horizontal IEC 332-1, -2, & -3

RoHS Compliant

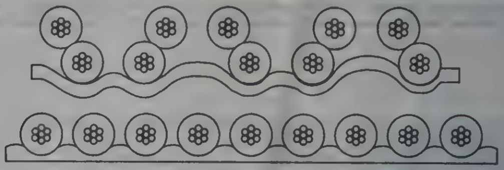


.050" TWISTED PAIR FLAT CABLE

(For Reduced Crosstalk)

Specifications:

- 28 AWG Stranded
- Mass Termination
- Insulation material. Polyvinyl Chloride (PVC)
- Color: 10 color repeat with Tan common
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1



E42769

1700 Series

By the Foot / **By the 100 ft. Spool**

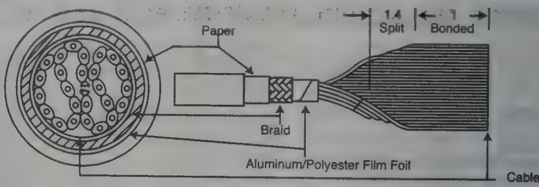
MOUSER STOCK NO.	No. of Cond.	Price Per Foot			MOUSER STOCK NO.	3M Part No.	Price Per 100' Spool
		1	10	25			
517-1700/10FT	10	.87	.58	.50	517-1700/10	1700/10	26.10
- - - - - - - - - -	14	- - -	- - -	- - -	517-1700/14	1700/14	36.54
517-1700/16FT	16	1.73	1.61	1.53	517-1700/16	1700/16	41.76
517-1700/26FT	26	2.80	2.62	2.49	517-1700/26	1700/26	67.86
517-1700/34FT	34	3.67	3.43	3.25	517-1700/34	1700/34	88.74
517-1700/40FT	40	4.32	4.04	3.83	517-1700/40	1700/40	104.40
517-1700/50FT	50	5.39	5.05	4.79	517-1700/50	1700/50	174.00

.050" ROUND, SHIELDED/JACKETED FLAT CABLE

(For EMI/ESD Protection)

Specifications:

- 28 AWG Stranded
- Splice Free
- Mass Termination
- PVC/PVC
- Jacket material: Black Polyvinyl Chloride (PVC)
- Primary material: Gray Polyvinyl Chloride (PVC)
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C
- Flammability rating: USA: N.E.C. 725, CL2
- RoHS compliant per 3M documentation



3659 Series

By the Foot / **By the 100 ft. Spool**

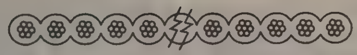
MOUSER STOCK NO.	No. of Cond.	Price Per Foot			MOUSER STOCK NO.	3M Part No.	Price Per 100' Spool
		1	10	25			
517-3659/9FT	9	3.46	3.23	3.07	517-3659/9	3659/09	111.46
517-3659/10FT	10	3.62	3.38	3.21	517-3659/10	3659/10	116.70
517-3659/15FT	15	4.09	3.83	3.63	517-3659/15	3659/15	131.90
517-3659/20FT	20	4.40	4.12	3.91	517-3659/20	3659/20	142.04
517-3659/25FT	25	4.87	4.55	4.32	517-3659/25	3659/25	156.94
517-3659/26FT	26	5.03	4.71	4.46	517-3659/26	3659/26	162.32
517-3659/34FT	34	5.66	5.30	5.02	517-3659/34	3659/34	182.62
517-3659/37FT	37	5.98	5.59	5.30	517-3659/37	3659/37	192.76
517-3659/50FT	50	7.08	6.62	6.28	517-3659/50	3659/50	228.26

2010 Series

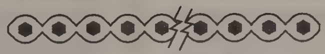
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	No. of Cond.	Price Per 100' Spool
517-2010/9	2010/09 (100')	9	33.84
517-2010/10	2010/10 (100')	10	37.60
517-2010/14	2010/14 (100')	14	52.64
517-2010/16	2010/16 (100')	16	60.16
517-2010/20	2010/20 (100')	20	75.20
517-2010/25	2010/25 (100')	25	94.00
517-2010/26	2010/26 (100')	26	97.76
517-2010/40	2010/40 (100')	40	150.40
517-2010/50	2010/50 (100')	50	188.00

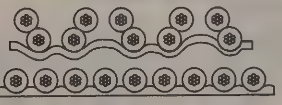
A



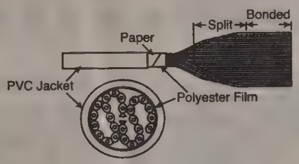
B



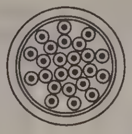
C



D



E



.050" ROUND CONDUCTOR FLAT CABLE

Specifications:

- 26 AWG Stranded
- Insulation material: Polyvinyl Chloride (PVC)
- Color: Gray
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1

3801 Series

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 100' Spool
517-3801/09	3801/09	A	9	18.35
517-3801/10	3801/10	A	10	20.37
517-3801/14	3801/14	A	14	28.52
517-3801/16	3801/16	A	16	32.58
517-3801/18	3801/18	A	18	36.44
517-3801/20	3801/20	A	20	40.74
517-3801/24	3801/24	A	24	48.89
517-3801/25	3801/25	A	25	50.93
517-3801/26	3801/26	A	26	52.97
517-3801/34	3801/34	A	34	69.26
517-3801/36	3801/36	A	36	73.32
517-3801/37	3801/37	A	37	75.36
517-3801/40	3801/40	A	40	81.48
517-3801/50	3801/50	A	50	101.85
517-3801/60	3801/60	A	60	122.21

.050" HIGH FLEX LIFE CABLE

Specifications:

- 28 AWG Stranded
- Flex life of 100 million cycles at 1 3/4 inch dia.
- Insulation material: Polyvinyl Chloride (PVC)
- Insulation color: Black
- Conductors: Silver plated stranded copper alloy
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1

3319 Series

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 100' Spool
517-3319/09	3319/09	B	9	146.48
517-3319/10	3319/10	B	10	162.75
517-3319/14	3319/14	B	14	227.85
517-3319/15	3319/15	B	15	244.13
517-3319/16	3319/16	B	16	257.35
517-3319/20	3319/20	B	20	325.50
517-3319/24	3319/24	B	24	390.60
517-3319/26	3319/26	B	26	423.15
517-3319/34	3319/34	B	34	553.35
517-3319/40	3319/40	B	40	651.00

.050" TWISTED PAIR FLAT CABLE

Specifications:

- 28 AWG Stranded
- Mass Termination
- Voltage rating: 150V
- Insulation material: Halogen Free Polyolefin (PO)
- Conductors: Tinned stranded copper
- Color: Blue / Off-white pairs
- Temperature rating: -40°C to +80°C
- Flammability rating: USA: UL VW-1

2100 Series

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 30 Meter Spool
517-2100/10TP	2100/10TP	C	10	70.20
517-2100/14TP	2100/14TP	C	14	98.28
517-2100/16TP	2100/16TP	C	16	112.32
517-2100/20TP	2100/20TP	C	20	140.40
517-2100/26TP	2100/26TP	C	26	182.52
517-2100/34TP	2100/34TP	C	34	238.68

.050" ROUND, JACKETED, FLAT CABLE

Specifications:

- 28 AWG Stranded
- Mass Termination
- PVC/PVC
- Conductor: Tinned stranded copper
- Jacket material: Polyvinyl Chloride (PVC)
- Jacket color: Black
- Primary material: Polyvinyl Chloride (PVC)
- Primary color: Gray
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C
- Flammability rating: USA: N.E.C. 725, CL2

3759 Series

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 100' Spool
517-3759/09	3759/09	D	9	66.75
517-3759/10	3759/10	D	10	69.87
517-3759/14	3759/14	D	14	75.95
517-3759/15	3759/15	D	15	78.98
517-3759/16	3759/16	D	16	82.02
517-3759/20	3759/20	D	20	85.07
517-3759/24	3759/24	D	24	91.13
517-3759/25	3759/25	D	25	93.99
517-3759/26	3759/26	D	26	97.22
517-3759/34	3759/34	D	34	109.37
517-3759/37	3759/37	D	37	115.44
517-3759/40	3759/40	D	40	118.46
517-3759/50	3759/50	D	50	136.71
517-3759/60	3759/60	D	60	153.26
517-3759/64	3759/64	D	64	161.01

ROUND, SHIELDED/JACKETED, DISCRETE WIRE CABLE

Specifications:

- 28 AWG Stranded
- Twisted Pair
- PVC/PVC
- Jacket material: Polyvinyl Chloride (PVC)
- Jacket color: Beige
- Primary material: Polyvinyl Chloride (PVC)
- Conductors: Tinned stranded copper
- Voltage rating: 150V
- Temperature rating: USA: CL2; 75°C
- Flammability rating: N.E.C. 725, CL2

3600X Series

*Price Per 200' spool

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cond.	Price Per 300' Spool
517-3600B/14	3600B/14	E	14	163.17
517-3600B/20-300	3600B/20	E	20	233.10
517-3600B/26-300	3600B/26	E	26	303.75
517-3600B/36	3600B/36	E	36	419.58
517-3600B/40	3600B/40	E	40	466.20
*517-3600B/68-300	3600B/68	E	68	792.54
*517-3600B/80	3600B/80	E	80	652.80

IDC Flat Cable and Data Cable

3M 3756 SERIES .025" ROUND CONDUCTOR FLAT CABLE

Specifications:
- 30 AWG
- Mass Termination
- Meets the SCSI-3 characteristic impedance requirements
- Insulation material: Thermoplastic Elastomer (TPE)
- Color: Gray
- Conductors: Tinned Stranded copper
- Voltage rating: 150V

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M PART NO.	No. of Conductors	Price Per 100' Spool
517-3756/26	3756/26	26	76.20
517-3756/34	3756/34	34	99.64
517-3756/40	3756/40	40	117.22
517-3756-50	3756/50	50	146.52
517-3756/68	3756/68	68	199.28
517-3756/80	3756/80	80	234.44
517-3756/100	3756/100	100	293.06

3M 3749 SERIES .025" ROUND CONDUCTOR FLAT CABLE

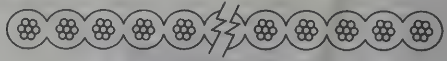
Specifications:
- 30 AWG
- Mass Termination
- Meets the SCSI-3 characteristic impedance requirements
- Insulation material: Thermoplastic Elastomer (TPE)
- Color: Gray
- Conductors: Tinned copper
- Voltage rating: 150V
- Temperature rating: -40°C to +105°C
- Flammability rating: USA: VW-1
- Blue marking on one edge of cable designates wire #1

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M PART NO.	No. of Conductors	Price Per 100' Spool
517-3749/20	3749/20	20	49.86
517-3749/26	3749/26	26	64.92
517-3749/36	3749/36	36	89.78
517-3749/40	3749/40	40	99.88
517-3749/50	3749/50	50	124.86
517-3749/60	3749/60	60	149.84
517-3749/68	3749/68	68	169.58
517-3749/80	3749/80	80	199.50
517-3749/100	3749/100	100	249.38

3M 3754 SERIES .025" ROUND CONDUCTOR FLAT CABLE

Specifications:
- RoHS compliant per 3M documentation
- 30 AWG Stranded
- Mass Termination
- Insulation material: Polyvinyl Chloride (PVC)
- Color: Gray
- Conductors: Tinnned stranded copper
- Voltage rating: 30V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW-1
- Recommended for use with Pak 25 Sockets



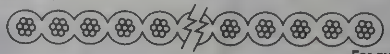
RoHS Compliant

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M PART NO.	No. of Conductors	Price Per 300' Spool
517-3754/20-300	3754/20	20	116.07
517-3754/26-300	3754/26	26	150.87
517-3754/30-300	3754/30	30	174.09
517-3754/34-300	3754/34	34	197.30
517-3754/40-300	3754/40	40	232.15
517-3754/50-300	3754/50	50	279.00
517-3754/68-300	3754/68	68	394.60
517-3754/80-300	3754/80	80	464.25

3M 3625 SERIES 1.0MM ROUND CONDUCTOR FLAT CABLE

Specifications:
- 28 AWG Stranded
- Mass Termination
- Insulation material: Polyvinyl Chloride (PVC)
- Color: Gray
- Conductors: Tinned stranded copper
- Voltage rating: 300V
- Temperature rating: -20°C to +105°C
- Flammability rating: USA: VW.1
- RoHS compliant per 3M documentation



RoHS Compliant

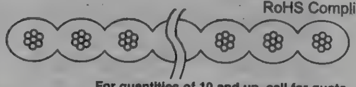
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	3M PART NO.	No. of Conductors	Price Per 30 Meter Spool
517-3625/10	3625/10	10	28.42
517-3625/12	3625/12	12	34.10
517-3625/20	3625/20	20	56.84
517-3625/26	3625/26	26	73.90
517-3625/34	3625/34	34	96.62
517-3625/44	3625/44	44	125.04
517-3625/50	3625/50	50	142.10

KOBICONN .050" GRAY FLAT IDC RIBBON CABLE

RoHS Compliant

Specifications:
- Insulation: Polyvinyl chloride (PVC)
- 28AWG 7x36 tinned stranded copper wire
- Center Spacing: .050"
- RoHS Compliant per Kobiconn documentation



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	No. of Conductors	Price Per 100' Spool	
		1	5
172-0902-E	9	17.58	15.98
172-1010-E	10	20.81	16.00
172-1402-E	14	29.12	22.40
172-1502-E	15	31.23	24.03
172-1602-E	16	32.19	24.76
172-2002-E	20	40.23	30.95
172-2502-E	25	42.54	38.68
172-2602-E	26	44.31	40.29
172-3402-E	34	53.90	49.00
172-4002-E	40	66.84	63.66
172-5002-E	50	79.25	72.05
172-6002-E	60	95.11	86.46
172-6402-E	64	98.46	89.51

KOBICONN .050" COLOR CODED FLAT IDC RIBBON CABLE

Specifications:
- Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Black
- Insulation: Polyvinyl Chloride (PVC)
- Voltage Rating: 300V
- Temperature Rating: -20C to +105C
- 28AWG Stranded & Tinned Copper Wire
- Center Spacing: .050"

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	No. of Conductors	Price Per 100' Spool	
		1	5
172-0902C	9	62.76	48.27
172-1010C	10	62.76	48.27
172-1402C	14	87.77	67.51
172-1502C	15	97.38	72.60
172-1602C	16	100.51	77.31
172-2002C	20	125.52	96.55
172-2502C	25	155.72	119.79
172-2602C	26	138.15	125.59
172-4002C	40	236.42	181.86
172-5002C	50	295.88	227.60
172-6402C	64	355.34	273.33

KOBICONN FLAT MODULAR TELEPHONE AND DATA CABLE

This modular telephone cable is available in 4, 6, and 8 conductor in three colors: silver satin, black and white. It is sold in 1000' spools.

RoHS Compliant

Features:
- Available in black, white, or silver satin
- Tinned copper conductors prevent corrosion
- Compatible with all USOC modular plugs
- RoHS Compliant per Kobiconn documentation

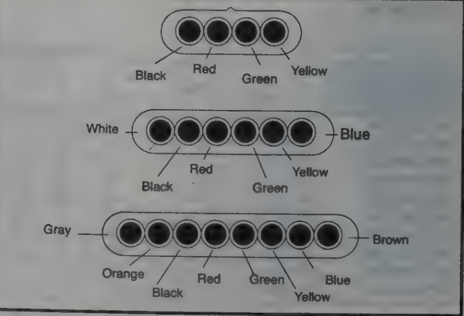
Specifications:
- 26 AWG, 7 x 34 stranding
- Conductors are USOC color coded
- PVC jacket

1000' Spool

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	No. of Cond.	Color	Price Per 1000' Spool	
			1	5
172-UL4010-E	4	Silver	116.21	108.05
172-UL6010-E	6	Silver	141.51	134.06
172-UL8010-E	8	Silver	231.18	215.55
172-UL4110-E	4	Black	116.21	108.05
172-UL6110-E	6	Black	141.51	134.06
172-UL8110-E	8	Black	231.18	215.55
172-UL4210-E	4	White	116.21	108.05
172-UL6210-E	6	White	141.51	134.06
172-UL8210-E	[illegible]	White	231.18	215.55

Cable Diagrams



AMPHENOL Spectra-Strip Cable

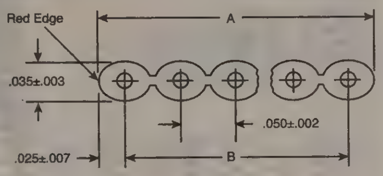
Amphenol®

RoHS Compliant **This page of product is compliant.**

SPECTRA-ZIP .050" CENTERS GRAY FLAT CABLE

Features:

- Fast low cost mass termination cable
- 28 AWG, 7/36 strand tinned copper
- Color: Gray (one edge red)
- Terminates to standard IDC connectors
- Current rating: 1A
- Voltage rating: 300V
- Temperature rating: 221°F (105°C)



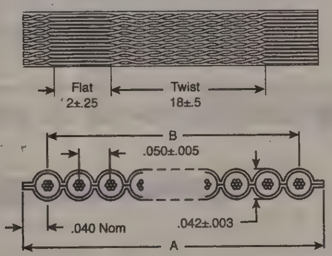
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Cond.	Total Width A (In.)	Total Span B (In.)	Price Per 100' Spool	
					1	5
523-191-2801-110	843-191-2801-110	10	.500	.450	16.25	14.85
523-191-2801-114	843-191-2801-114	14	.700	.650	19.91	18.55
523-191-2801-116	843-191-2801-116	16	.800	.750	22.76	21.21
523-191-2801-120	843-191-2801-120	20	1.000	.950	28.46	26.51
523-191-2801-125	843-191-2801-125	25	1.250	1.200	32.76	31.25
523-191-2801-126	843-191-2801-126	26	1.300	1.250	34.34	32.49
523-191-2801-134	843-191-2801-134	34	1.700	1.650	44.95	40.80
523-191-2801-136	843-191-2801-136	36	1.800	1.750	63.31	58.03
523-191-2801-140	843-191-2801-140	40	2.000	1.950	52.88	52.00
523-191-2801-150	843-191-2801-150	50	2.500	2.450	65.00	65.00
523-191-2801-160	843-191-2801-160	60	3.000	2.950	85.09	78.00

TWIST'N'FLAT .050" CENTERS COLOR CODED FLAT CABLE

Features:

- Provides rapid mass termination of twisted pair cable.
- 28 AWG, 7/36 strand tinned copper
- Fully laminated with clear PVC
- Voltage rating: 300V
- Temperature rating: 176°F (80°C)
- Terminates to standard IDC connectors
- Color coded for easy identification



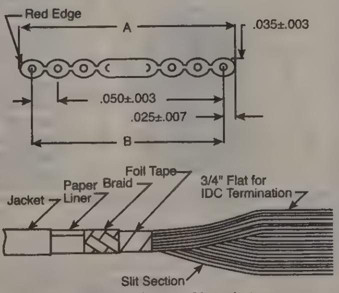
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Pairs	Total Width A (In.)	Total Span B (In.)	Price Per 100' Spool	
					1	5
523-132-2801-010	132-2801-010	5	.526	.450	34.82	32.06
523-132-2801-016	132-2801-016	8	.826	.750	50.40	46.20
523-132-2801-026	132-2801-026	13	1.326	1.250	79.88	74.17
523-132-2801-034	132-2801-034	17	1.726	1.650	110.11	103.34
523-132-2801-040	132-2801-040	20	2.026	1.950	131.07	122.33
523-132-2801-050	132-2801-050	25	2.526	2.450	163.15	159.07
523-132-2801-060	132-2801-060	30	3.026	2.950	231.29	173.47

ROUND'N'FLAT .050" CENTERS ZIP CABLE

Features:

- Combines the benefits of shielded round cable and the quickness of mass termination.
- Designed for routing in tight spaces
- 28 AWG, 7/36 strand tinned copper
- Black PVC jacket with indicators for cable flats
- Highly flexible cable with flats every 20"
- Internal cable is gray with a red edge.
- Temperature rating: 221°F (105°C)
- Voltage rating: 300V



3/4" length for up to 26 conductors
1 1/2" length for 34 conductors and higher

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Cond.	Total Width A (In.)	Total Span B (In.)	Price Per 100' Spool	
					1	5
523-159-2801-010	843-159-2801-010	10	.500	.450	119.35	109.40
523-159-2801-016	843-159-2801-016	16	.800	.750	133.09	122.00
523-159-2801-020	843-159-2801-020	20	1.000	.950	119.88	111.31
523-159-2801-026	843-159-2801-026	26	1.300	1.250	131.08	121.71
523-159-2801-034	843-159-2801-034	34	1.700	1.650	146.99	137.54
523-159-2801-040	843-159-2801-040	40	2.000	1.950	157.11	147.01
523-159-2801-050	843-159-2801-050	50	2.500	2.450	188.29	181.05

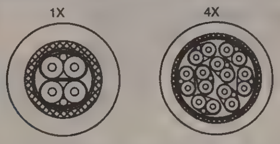
SKEWCLEAR PLUS 1X & 4X INFINIBAND CABLE

SKEWCLEAR Plus family targets copper InfiniBand links running at 500 MB through 6GB bandwidths.

Features:

- Shielded differential cable
- Low skew and crosstalk
- Alternative to fiber optics
- Minimum termination reflections
- Low assembly cost

NEW FROM SUPPLIER



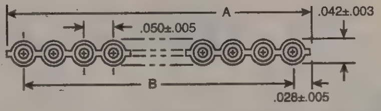
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Pairs	AWG	Application	Price Per 1000'
523-160-2499-997	160-2499-997	2	24	1X	1761.90
523-160-2699-997	160-2699-997	2	26	1X	1634.92
523-160-2899-993	160-2899-993	2	28	1X	1539.68
523-166-2499-998	166-2499-998	8	24	4X	2619.05
523-166-2699-997	166-2699-997	8	26	4X	2460.32
523-166-2899-997	166-2899-997	8	28	4X	2317.46

SLIT 3C COLOR CODED .050" CENTERS FLAT CABLE

Features:

- Fast low cost mass termination cable
- 28 AWG, 7/36 strand tinned copper
- Color coded for easy identification
- Terminates to standard IDC connectors
- Current rating: 1A
- Voltage rating: 300V
- Temperature rating: 176°F (80°C)



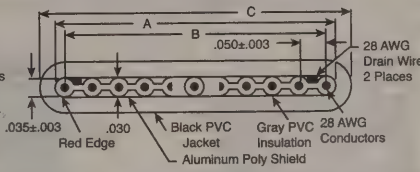
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Cond.	Total Width A (In.)	Total Span B (In.)	Price Per 100' Spool	
					1	5
523-135-2801-010	843-135-2801-010	10	.505	.450	38.60	34.62
523-135-2801-014	843-135-2801-014	14	.705	.650	46.94	44.20
523-135-2801-016	843-135-2801-016	16	.805	.750	52.46	49.40
523-135-2801-020	843-135-2801-020	20	1.005	.950	63.44	57.58
523-135-2801-026	843-135-2801-026	26	1.305	1.250	71.50	66.00
523-135-2801-040	843-135-2801-040	40	2.005	1.950	108.03	100.08
523-135-2801-050	843-135-2801-050	50	2.505	2.450	128.44	122.51
523-135-2801-064	843-135-2801-064	64	3.205	3.150	170.00	162.15

JACKETED AND SHIELDED ZIP .050" FLAT CABLE

Features:

- Rugged flexible black PVC jacket
- EMI/RFI internal shielding
- Terminates to standard IDC connectors
- 28 AWG, 7/36 strand tinned copper
- Temperature rating: 221°F (105°C)
- Voltage rating: 300V



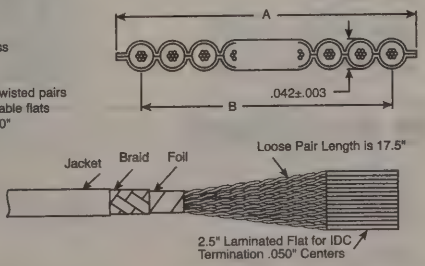
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Cond.	A (In.)	B (In.)	C (In.)	Price Per 100' Spool
523-151-2831-010	843-151-2831-010	10	.500	.450	.560	113.87
523-151-2831-016	843-151-2831-016	16	.800	.750	.860	144.93
523-151-2831-020	843-151-2831-020	20	1.000	.950	1.060	181.20
523-151-2831-034	843-151-2831-034	34	1.700	1.650	1.760	308.05
523-151-2831-040	843-151-2831-040	40	2.000	1.950	2.060	362.38
523-151-2831-050	843-151-2831-050	50	2.500	2.450	2.560	453.02

ROUND TWIST'N'FLAT LOOSE PAIR .050" FLAT CABLE

Features:

- Combines the benefits of shielded round cable and the quickness of mass termination.
- Designed for routing in tight spaces
- Internal cable has loose color coded twisted pairs
- Black PVC jacket with indicators for cable flats
- Highly flexible cable with flats every 20"
- 28 AWG, 7/36 strand tinned copper
- Temperature rating: 221°F (105°C)
- Voltage rating: 300V


A
.042±.003
B
Loose Pair Length is 17.5"
Jacket
Braid
Foil
2.5" Laminated Flat for IDC
Termination .050" Centers

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Pairs	Total Width A (In.)	Total Span B (In.)	Price Per 100' Spool	
					1	5
523-169-2832-020	169-2832-020	10	1.026	.950	224.47	199.98
523-169-2832-026	169-2832-026	13	1.326	1.250	193.32	179.51
523-169-2832-034	169-2832-034	17	1.726	1.650	268.31	240.55
523-169-2832-040	169-2832-040	20	2.026	1.950	231.49	214.96
523-169-2832-050	169-2832-050	25	2.526	2.450	346.48	288.73

ALPHA WIRE IDC Flat Cable, Wire, and Cable

.050" GRAY FLAT CABLE

Specifications:
- Voltage Rating: 300V
- Temperature Rating: -20°C to 105°C
- Conductors: Stranded Tinned 28 AWG
- Insulation: PVC

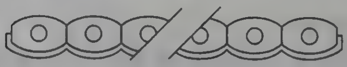
MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3580/9	9	33.92
602-3580/10	10	37.72
602-3580/14	14	57.96
602-3580/15	15	55.37
602-3580/16	16	60.48
602-3580/20	20	75.29
602-3580/24	24	90.36
602-3580/25	25	94.11
602-3580/26	26	97.45
602-3580/34	34	127.55
602-3580/40	40	150.22
602-3580/50	50	187.34
602-3580/64	64	239.74

.050" COLOR-CODED FLAT CABLE

Specifications:
- Voltage Rating: 300V
- Temperature Rating: -20°C to 105°C
- Conductors: Stranded Tinned 28 AWG
- Insulation: PVC

MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3583/9	9	82.47
602-3583/10	10	95.24
602-3583/14	14	122.39
602-3583/15	15	131.09
602-3583/16	16	139.86
602-3583/20	20	175.02
602-3583/24	24	211.90
602-3583/25	25	218.71
602-3583/26	26	230.56
602-3583/34	34	301.73
602-3583/40	40	358.23
602-3583/50	50	443.36
602-3583/64	64	565.47

.050" COLOR-CODED, TWISTED-TO-FLAT CABLE



Specifications:
- Voltage Rating: 300V
- Temperature Rating: -20°C to 105°C
- Conductors: Stranded Tinned 28 AWG
- Insulation: PVC

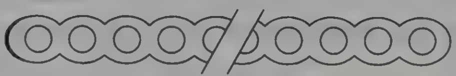
MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3586/26	26	314.60
602-3586/40	40	551.50
602-3586/50	50	660.00
602-3586/60	60	828.47

.050" GRAY SHIELDED/JACKETED FLAT CABLE

Specifications:
- Voltage Rating: 150V
- Temperature Rating: -20°C to 105°C
- Conductors: Stranded Tinned 28 AWG
- Insulation: PVC

MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3590/9	9	345.36
602-3590/10	10	375.23
602-3590/14	14	408.05
602-3590/15	15	427.32
602-3590/16	16	456.23
602-3590/20	20	596.00
602-3590/24	24	687.55
602-3590/25	25	713.25
602-3590/26	26	745.37
602-3590/34	34	973.51
602-3590/37	37	896.40
602-3590/40	40	928.54
602-3590/50	50	995.98
602-3590/60	60	1192.01

.025 " GRAY FLAT CABLE



Specifications:
- Voltage Rating: 150V
- Temperature Rating: -20°C to +105°C
- Conductors: Solid Bare Copper 30AWG
- Insulation: PVC

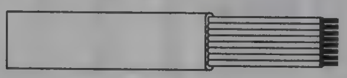
MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3582/26	26	116.31
602-3582/40	40	178.72
602-3582/50	50	223.06
602-3582/60	60	267.75

.050 " ROUND-TO-FLAT CABLE

Specifications:
- Voltage Rating: 300V-AWM; 150V-CL2
- Temperature Rating: -20°C to +105°C
- Conductors: Solid Tinned Copper 28AWG
- Insulation: PVC
- Jacket: Black

MOUSER STOCK NO.	No. of Cond.	Price Per 100' Spool
602-3585/25	25	319.85
602-3585/26	26	323.30
602-3585/40	40	459.49
602-3585/50	50	588.18

MODULAR TELEPHONE CABLE



Specifications:
- 26 AWG 7/34 Stranded Bare Copper Wire
- Voltage rating: 150V

MOUSER STOCK NO.	No. of Cond.	Price Per 328' Spool
602-1604	4	64.49
602-1606	6	81.00
602-1608	8	118.73

LACING CORD AND TAPE

Specifications:
- Color Description: WH=White BK=Black
- MIL-T-43435
- Excellent Abrasion Resistance and Knot Retention

MOUSER STOCK NO.	Tensile Strength (lbs.)	Width (In.)	Price Per 500yd Spool
602-LC132-BK	50	.085	64.60
602-LC132-WH	50	.085	64.60
602-LC134-BK	30	.085	50.56
602-LC134-WH	30	.085	50.83
602-LC136-BK	50	.085	58.90
602-LC136-WH	50	.085	57.04
602-LC140-BK	50	.085	63.13
602-LC140-WH	50	.085	63.46
602-LC143-BK	50	.085	48.17
602-LC143-WH	50	.085	48.17
602-LC162-BK	50	.085	48.17
602-LC162-WH	50	.085	48.17

TEST LEAD WIRE

Specifications:
- Conductor: Stranded Tinned Copper
- Operating Temperature: -30°C to 90°C
- Insulation: Color-Coded Rubber
- Voltage: 1500 to 10,000V, as needed

Alpha Part No.	Conductor		Color	Working Voltage	O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
	AWG	Strand							
1632	20	41 x 36	Red	1500	.125	602-1632-100-03	53.02	602-1632-1000-03	232.04
1632	20	41 x 36	Black	1500	.125	602-1632-100-02	53.02	602-1632-1000-02	232.04
1635	20	41 x 36	Red	3000	.140	602-1635-100-03	59.30	602-1635-1000-03	248.04
1635	20	41 x 36	Black	3000	.140	602-1635-100-02	59.30	602-1635-1000-02	248.04
1636	18	65 x 36	Red	5000	.140	602-1636-100-03	57.61	602-1636-1000-03	260.64
1636	18	65 x 36	Black	5000	.140	602-1636-100-02	61.05	602-1636-1000-02	260.64

ALPHA WIRE Coaxial and Audio Video Cable

COAXIAL CABLE

Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

Polyethylene Dielectric Flexible RG-Type

- Non-Plenum

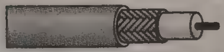
Alpha Part No.	RG Type	AWG	Strand	Nom. O.D. (In.)	MOUSER STOCK NO.	100' Spool		MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
						1	5		1	5		1	5
9804C	6/U	18	Solid	.270	-------	----	----	----	----	----	602-9804C-1000	427.55	414.98
9008A	8A/U	13	7/21	.405	-------	----	----	602-9008A-500	893.64	868.11	602-9008A-1000	1313.25	1274.63
9008	8/U	13	7/21	.405	602-9008-100	161.66	147.35	602-9008-500	676.55	657.22	602-9008-1000	1070.07	1038.59
9848	58/U	18	Solid	.195	-------	----	----	----	----	----	602-9848-1000	483.40	469.18
9011	11/U	18	7/26	.405	-------	----	----	602-9011-500	740.95	719.78	602-9011-1000	1188.73	1153.76
9011A	11A/U	18	7/26	.405	-------	----	----	602-9011A-500	1157.19	1124.13	602-9011A-1000	1786.28	1733.74
9847	11/U	14	Solid	.405	602-9847-100	163.59	150.68	----	----	----	602-9847-1000	889.78	863.61
9803C	59/U	22	7/30	.242	-------	----	----	----	----	----	602-9803C-1000	406.47	394.52
9059B	59B/U	23	Solid	.242	602-9059B-100	138.23	127.31	602-9059B-500	348.08	338.13	602-9059B-1000	551.91	535.67
9840	59/U	22	Solid	.242	-------	----	----	----	----	----	602-9840-1000	239.96	232.90
9223	223/U	19	Solid	.216	602-9223-100	403.47	371.61	602-9223-500	1706.78	1658.01	602-9223-1000	2751.11	2670.20
9213	213/U	13	7/.0196	.412	602-9213-100	241.87	222.78	602-9213-500	1013.60	984.64	602-9213-1000	1440.33	1397.96
9214	214/U	13	7/.0296	.432	602-9214-100	1204.89	1109.76	602-9214-500	4859.05	4720.22	602-9214-1000	7328.87	7113.32
9217	217/U	10	Solid	.545	602-9217-100	757.72	697.90	602-9217-500	3180.89	3090.01	602-9217-1000	4449.41	4318.55

TFE Teflon® Dielectric Cable

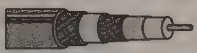
Alpha Part No.	Description	RG Type	AWG	Strand	Nom. O.D. (In.)	MOUSER STOCK NO.	100' Spool		MOUSER STOCK NO.	1000' Spool	
							1	5		1	5
9178B	Fluorinated Ethylene-Propylene, Natural	178B/U	30	7/38	.071	602-9178B-100	274.36	252.70	602-9178B-1000	962.80	934.48
9179B	Tint Fluorinated Ethylene-Propylene, Brown	179B/U	30	7/38	.100	602-9179B-100	286.05	263.46	602-9179B-1000	1138.92	1105.42
9180B	Fluorinated Ethylene-Propylene, Natural	180B/U	30	7/38	.140	602-9180B-100	488.02	449.49	602-9180B-1000	2559.69	2484.41
9196A	Tetrafluoroethylene, White	196A/U	30	7/38	.076	-------	----	----	602-9196A-1000	1146.99	1113.26
9187A	Tetrafluoroethylene, White	187A/U	30	7/38	.105	-------	----	----	602-9187A-1000	1843.31	1789.10
9188A	Tetrafluoroethylene, White	188A/U	25	7/.0067	.106	602-9188A-100	361.10	332.59	602-9188A-1000	1925.08	1868.46

LOCAL AREA NETWORK COAXIAL CABLE

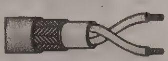
A



B



C



Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

Alpha Part No.	Fig.	RG Type	Material	AWG	Strand	Nom. O.D.	MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
								1	5		1	5
9858	A	58 C/U	Tinned Copper	20	19/.0071	0.193	602-9858-500	492.89	483.76	602-9858-1000	746.73	724.76
9851C	B	Ethernet	Tinned Copper	.0855"	Solid	0.405	-------	----	----	602-9851C-1000	1072.26	1040.72
9888C	C	Appletalk	Tinned Copper	22	7/30	0.185	-------	----	----	602-9888C-1000	646.43	627.41

MICROPHONE CABLES

Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

Specifications:

- Conductor: Stranded Tinned Copper
- Insulation: Polyethylene
- Jacket: Gray PVC
- Operating Temperature: -20°C to 60°C
- Voltage Rating: 3500V (1703), 1000V (1710)
- Shields: Braided Tinned Copper

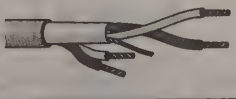
Alpha Part No.	No. of Cond.	Conductor		Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
		AWG	Strand							
1703	1	24	10/34	.15	602-1703-100	80.73	602-1703-500	321.77	602-1703-1000	584.91
1710	2	22	19/34	.23	602-1710-100	134.55	602-1710-500	553.57	602-1710-1000	821.25

Specifications:

- Conductor: Stranded Tinned Copper
- Insulation: Rubber
- Jacket: Black Rubber (1448/20), Black Neoprene (1448/18)
- Operating Temperature: -20°C to 60°C
- Shields: Braided Tinned Copper (85% Coverage)

1448/20	2	20	26/34	.26	-------	----	-------	----	602-1448/20-1000	919.71
1448/18	2	18	41/34	.29	-------	----	-------	----	602-1448/18-1000	1338.75

AUDIO VIDEO MULTICONDUCTOR CABLE



Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

Specifications:

- UL Type CM, CSA CMG FT4
- Conductor: Stranded Tinned Copper
- Insulation: Color Coded PVC (2465C), Polypropylene (2464C)
- Jacket: Gray PVC
- Voltage Rating: 300V
- Black and Red Shielded
- White and Green Unshielded

Alpha Part No.	No. of Cond.	Conductor		Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
		AWG	Strand							
2464C	4	22	7/30	.16	602-2464-100	114.17	602-2464-500	291.97	602-2464-1000	429.71
2465C	4	20	7/28	.23	602-2465-100	145.31	602-2465-500	511.48	602-2465-1000	906.29

VIDEO COAXIAL CABLE - 75Ω

Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

- 100% Sweep Test @ 5 to 300 MHz

Alpha Part No.	Coverage	AWG	Strand	Shield Material	Dielectric Dia.	Nom O.D. (In.)	Jacket	Conductor	MOUSER STOCK NO.	Price Per 1000' Spool
9807	99%	20	Solid	Double TC Braid	0.200"	.304	Black Solid Polyehtylene	Bare Copper	602-9807-1000	789.57
9808	98%	20	Solid	Double TC Braid	0.200"	.304	Clear Solid Polyethylene	Bare Copper	602-9808-1000	151.07
9810	100%	23	7/30	A/P/A Plus TC Braid	0.146"	.220	Black Solid Polyehtylene	Compacted Bare Copper	602-9810-1000	707.22

ALPHA WIRE Communication and Control Cable

MULTICONDUCTOR, UNSHIELDED

Alpha Part No.	No. of Cond.	Conductor		O.D. (In.)	100' Spools		500' Spools		1000' Spools	
		AWG	Strand		MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
UL Type CM, UL AWM 2576, CSA CMG FT4, 300V										
1172C	2	22	7 x 30	.16	602-1172C-100	32.59	602-1172C-500	96.69	602-1172C-1000	155.55
1173C	3	22	7 x 30	.17	602-1173C-100	42.66	602-1173C-500	129.76	602-1173C-1000	208.25
1174C	4	22	7 x 30	.19	602-1174C-100	47.22	602-1174C-500	147.44	602-1174C-1000	261.38
1175C	5	22	7 x 30	.20	602-1175C-100	57.10	602-1175C-500	188.04	602-1175C-1000	329.46
1176C	6	22	7 x 30	.21	602-1176C-100	62.51	602-1176C-500	219.74	602-1176C-1000	400.69
1177C	7	22	7 X 30	.21	602-1177C-100	68.12	-----	-----	602-1177C-1000	456.11
1178C	8	22	7 x 30	.22	602-1178C-100	81.32	602-1178C-500	265.83	602-1178C-1000	517.40
1180C	10	22	7 x 30	.26	602-1180C-100	95.00	602-1180C-500	324.63	602-1180C-1000	624.50
1181C	12	22	7 x 30	.28	602-1181C-100	138.61	602-1181C-500	478.54	602-1181C-1000	570.07
1181/15C	15	22	7 x 30	.30	602-1181/15C-100	191.05	602-1181/15C-500	700.74	602-1181/15C-1000	1055.96
1181/25C	25	22	7 x 30	.36	602-1181/25C-100	150.68	602-1181/25C-500	635.30	602-1181/25C-1000	1251.61
UL Type CM, UL AWM 2509, UL CSA CMG FT4, 300V										
1895C	2	20	7 x 28	.18	602-1895C-100	38.86	602-1895C-500	129.59	602-1895C-1000	234.74
1896C	3	20	7 x 28	.19	602-1896C-100	50.07	602-1896C-500	176.58	602-1896C-1000	318.16
1896/4C	4	20	7 x 28	.21	602-1896/4C-100	58.90	602-1896/4C-500	195.65	602-1896/4C-1000	358.45
1896/5C	5	20	7 x 28	.23	602-1896/5C-100	73.71	-----	-----	602-1896/5C-1000	473.20
1896/6C	6	20	7 x 28	.25	602-1896/6C-100	87.50	-----	-----	602-1896/6C-1000	559.98
1896/7C	7	20	7 x 28	.25	602-1896/7C-100	97.95	-----	-----	602-1896/7C-1000	629.43
1896/8C	8	20	7 x 28	.27	602-1896/8C-100	143.55	602-1896/8C-500	503.13	602-1896/8C-1000	922.85
1896/12C	12	20	7 x 28	.35	602-1896/12C-100	199.50	602-1896/12C-500	688.36	602-1896/12C-1000	1121.58
1897C	2	18	16 x 30	.20	602-1897C-100	49.21	602-1897C-500	179.29	602-1897C-1000	311.61
1898C	3	18	16 x 30	.21	602-1898C-100	68.21	602-1898C-500	237.04	602-1898C-1000	434.44
1898/4C	4	18	16 x 30	.24	602-1898/4C-100	84.93	602-1898/4C-500	304.76	602-1898/4C-1000	542.64
1898/6C	6	18	16 x 30	.29	602-1898/6C-100	142.12	602-1898/6C-500	498.31	602-1898/6C-1000	913.67
1898/7C	7	18	16 x 30	.29	602-1898/7C-100	151.40	602-1898/7C-500	505.84	602-1898/7C-1000	893.01
1898/8C	8	18	16 x 30	.31	602-1898/8C-100	197.60	602-1898/8C-500	693.61	602-1898/8C-1000	1272.11
1898/9C	9	18	16 x 30	.34	602-1898/9C-100	238.83	602-1898/9C-500	821.89	602-1898/9C-1000	1359.75
1898/10C	10	18	16 x 30	.37	602-1898/10C-100	277.69	602-1898/10C-500	973.61	602-1898/10C-1000	1786.02
1898/12C	12	18	16 x 30	.38	602-1898/12C-100	287.95	602-1898/12C-500	1007.13	602-1898/12C-1000	1711.56
1898/15C	15	18	16 x 30	.44	-----	-----	602-1898/15C-500	1334.90	602-1898/15C-1000	2408.73
1898/19C	19	18	16 x 30	.47	602-1898/19C-100	483.36	602-1898/19C-500	1670.55	602-1898/19C-1000	3023.45
1898/25C	25	18	16 x 30	.56	602-1898/25C-100	689.80	602-1898/25C-500	2380.35	602-1898/25C-1000	4324.12
1899C	2	16	19 x .0117	.22	602-1899C-100	78.85	602-1899C-500	283.15	602-1899C-1000	517.40

Specifications:
- Jacket: Gray PVC
- Insulation: Color-Coded PVC
- Conductor: Stranded Tinned Copper

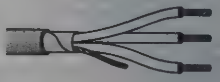
Recommend Heat Shrink FIT221

Recommend Heat Shrink FIT321

MULTICONDUCTOR, SHIELDED

Alpha Part No.	No. of Cond.	Conductor		O.D. (In.)	100' Spools		500' Spools		1000' Spools	
		AWG	Strand		MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
Foil Shield, ULType CM, UL AWM 2092, 2093, 2094, CSA CMG FT4, 300V										
2461C	2	22	7 x 30	.13	602-2461C-100	51.97	602-2461C-500	143.81	602-2461C-1000	284.41
2400C	2	24	7 x 32	.16	602-2400C-100	35.02	602-2400C-500	132.35	602-2400C-1000	201.04
2401C	2	22	7 x 30	.17	602-2401C-100	43.53	602-2401C-500	154.73	602-2401C-1000	274.59
2403C	3	22	7 x 30	.18	602-2403C-100	48.42	602-2403C-500	182.87	602-2403C-1000	308.61
2404C	4	22	7 x 30	.20	602-2404C-100	72.76	602-2404C-500	263.44	602-2404C-1000	360.27
2411C	2	20	7 x 28	.18	602-2411C-100	51.49	602-2411C-500	221.90	602-2411C-1000	433.40
2413C	3	20	7 x 28	.20	602-2413C-100	58.64	602-2413C-500	196.48	602-2413C-1000	370.98
2414C	4	20	7 x 28	.22	602-2414C-100	82.90	602-2414C-500	285.25	602-2414C-1000	371.21
2421C	2	18	16 x 30	.21	602-2421C-100	59.37	602-2421C-500	211.09	602-2421C-1000	379.89
2423C	3	18	16 x 30	.23	602-2423C-100	78.74	602-2423C-500	292.25	602-2423C-1000	553.86
2424C	4	18	16 x 30	.25	602-2424C-100	123.79	602-2424C-500	402.24	602-2424C-1000	786.76
2432C	2	16	19 x.0117	.24	602-2432C-100	95.75	602-2432C-500	313.63	602-2432C-1000	606.29
2433C	3	16	19 x.0117	.26	602-2433C-100	142.12	602-2433C-500	455.70	602-2433C-1000	903.81
Foil Shield, ULType CM, UL AWM 2576, CSA CMG FT4, 300V										
1213C	3	24	7 x 32	.17	602-1213C-100	124.55	602-1213C-500	262.59	602-1213C-1000	386.33
1214C	4	24	7 x 32	.18	602-1214C-100	109.45	602-1214C-500	227.83	602-1214C-1000	316.11
1219/10C	10	24	7 x 32	.23	602-1219/10C-100	186.30	602-1219/10C-500	523.69	602-1219/10C-1000	771.21
1219/12C	12	24	7 x 32	.27	602-1219/12C-100	221.16	602-1219/12C-500	688.36	602-1219/12C-1000	1014.31
1219/15C	15	24	7 x 32	.28	602-1219/15C-100	280.35	602-1219/15C-500	870.28	602-1219/15C-1000	1285.97
1219/25C	25	24	7 x 32	.33	602-1219/25C-100	189.23	602-1219/25C-500	630.52	602-1219/25C-1000	1049.77

Specifications:
- Jacket: Gray PVC
- Insul.: Color-Coded Polyethylene (PE)
- Shield: Aluminum/Polyester Tape (100% coverage)
- Conductor: Stranded Tinned Copper



Recommend Heat Shrink FIT221

Recommend Heat Shrink FIT321

ALPHA WIRE Multiconductor, Communication, and Control Cable

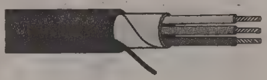
ALPHA WIRE MULTICONDUCTOR, FOIL SHIELD

UL Type CM, UL AWM 2464, CSA CMG FT4 300V

				500' Spools		1000' Spools	
Alpha Part No.	No. of Cond.	Nom. O.D.	Jacket Thickness	**MOUSER STOCK NO.**	**Price Per 500'**	**MOUSER STOCK NO.**	**Price Per 1000'**
24 AWG 7/32							
6307	15	.284	.032	602-6307-500	536.90	602-6307-1000	931.19
6308	20	.314	.032	602-6308-500	1037.23	602-6308-1000	1831.75
6309	25	.339	.032	602-6309-500	1158.68	602-6309-1000	2046.12
6310	30	.380	.032	602-6310-500	1723.75	602-6310-1000	3044.28
6311	40	.430	.032	602-6311-500	2364.43	602-6311-1000	4175.80
6312	50	.490	.032	602-6312-500	3475.94	602-6312-1000	6139.13

Description:
- Stranded Tinned Copper conductors
- Aluminum/Polyester Foil shield.
- Drain wire is Stranded Tinned Copper
- Operating Temperature: -20°C to 80°C
- Insulation: Color-Coded SR-PVC
- Jacket: Gray PVC

Recommend Heat Shrink **FIT321**
Recommend Heat Shrink **FIT221**

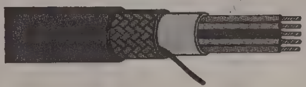


ALPHA WIRE MULTICONDUCTOR, FOIL/BRAID SHIELD

UL Type CM, UL AWM Style 2464, CSA CMG FT4 300 Volt

Description:
- Stranded Tinned Copper conductors
- Aluminum/polyester/65% Tinned Copper Braid.
- Drain wire is Stranded Tinned Copper
- Operating Temperature: -20°C to 80°C
- Insulation: Color-Coded SR-PVC
- Jacket: Gray PVC

Recommend Heat Shrink **FIT321**
Recommend Heat Shrink **FIT221**



				500' Spools		1000' Spools	
Alpha Part No.	No. of Cond.	Nom. O.D.	Jacket Thickness	**MOUSER STOCK NO.**	**Price Per 500'**	**MOUSER STOCK NO.**	**Price Per 1000'**
24 AWG 7/32							
6327	3	.190	.032	---------	-----	602-6327-1000	525.13
6328	4	.200	.032	---------	-----	602-6328-1000	738.69
6329	5	.215	.032	---------	-----	602-6329-1000	757.44
6330	6	.225	.032	602-6330-500	558.95	602-6330-1000	987.02
6331	7	.228	.032	602-6331-500	660.28	602-6331-1000	1166.37
6332	8	.240	.032	602-6332-500	735.44	602-6332-1000	1298.97
6333	9	.254	.032	602-6333-500	913.33	602-6333-1000	1612.96
6334	10	.270	.032	602-6334-500	1140.91	602-6334-1000	2015.18
6335	15	.300	.032	602-6335-500	1564.41	602-6335-1000	2762.76
6336	25	.372	.032	602-6336-500	2653.35	602-6336-1000	4686.31
6337	37	.412	.032	602-6337-500	4482.54	602-6337-1000	7917.07
6338	50	.486	.032	602-6338-500	5602.71	602-6338-1000	9895.79
22 AWG 7/30							
6339	3	.203	.032	---------	-----	602-6339-1000	442.68
6340	4	.215	.032	---------	-----	602-6340-1000	524.31
6341	5	.231	.032	---------	-----	602-6341-1000	652.80
6342	6	.245	.032	---------	-----	602-6342-1000	784.72
6343	7	.245	.032	602-6343-500	520.10	602-6343-1000	918.43
6344	8	.260	.032	602-6344-500	558.95	602-6344-1000	987.02
6345	9	.280	.032	602-6345-500	633.85	602-6345-1000	1119.28
6346	10	.300	.032	602-6346-500	677.88	602-6346-1000	1232.33
6347	15	.340	.032	602-6347-500	991.55	602-6347-1000	1750.92
6348	25	.410	.032	602-6348-500	1672.83	602-6348-1000	2954.43
6349	37	.460	.032	602-6349-500	5042.80	602-6349-1000	8906.47
6350	50	.555	.032	602-6350-500	5826.89	602-6350-1000	10291.46

UL Type CM, UL AWM Style 2919, CSA CMH FT1 300 Volt

- Insulation: Color-coded foam polyethylene

				500' Spools		1000' Spools	
Alpha Part No.	No. of Cond.	Nom. O.D.	Jacket Thickness	**MOUSER STOCK NO.**	**Price Per 500'**	**MOUSER STOCK NO.**	**Price Per 1000'**
24 AWG 7/32							
6351	3	.215	.035	---------	-----	602-6351-1000	486.03
6352	4	.230	.035	---------	-----	602-6352-1000	560.75
6353	5	.246	.035	---------	-----	602-6353-1000	749.79
6354	6	.265	.035	---------	-----	602-6354-1000	848.05
6355	7	.265	.035	602-6355-500	506.80	602-6355-1000	894.88
6356	8	.280	.035	602-6356-500	532.79	602-6356-1000	940.95
6357	9	.300	.035	602-6357-500	626.24	602-6357-1000	1105.94
6358	10	.306	.035	602-6358-500	639.36	602-6358-1000	1129.14
6359	15	.350	.035	602-6359-500	1012.81	602-6359-1000	1788.57
6360	25	.445	.035	602-6360-500	1644.48	602-6360-1000	2904.28
6361	37	.515	.035	602-6361-500	2897.39	602-6361-1000	5117.34

ALPHA WIRE DATA, COMMUNICATION AND CONTROL CABLES

Multiconductor, Braided Shield

- Stranded Tinned Copper
- Color-Coded PE Insulation
- Gray PVC Jacket
- Temp: -20°C to 60°C
- 600V

Recommend Heat Shrink **FIT321**
Recommend Heat Shrink **FIT221**

					500' Spools		1000' Spools	
Alpha Part No.	No. of Cond.	AWG	Strand	Nom. O.D. (In.)	**MOUSER STOCK NO.**	**Price Per 500'**	**MOUSER STOCK NO.**	**Price Per 1000'**
1712	2	20	26/34	0.24	602-1712-500	765.98	602-1712-1000	995.88
1713	3	20	26/34	0.25	602-1713-500	980.96	602-1713-1000	1715.90
715	4	20	26/34	0.26	602-1715-500	1020.16	602-1715-1000	1773.10
1716	5	20	26/34	0.27	602-1716-500	1237.95	602-1716-1000	2162.32
1719	8	20	26/34	0.33	602-1719-500	2222.76	602-1719-1000	3171.69
1721	10	20	26/34	0.37	602-1721-500	3436.74	602-1721-1000	5011.52
1723	12	20	26/34	0.38	602-1723-500	3613.93	602-1723-1000	6136.41

Multiconductor, Braided Shield, UL1108, UL2095

- Stranded Tinned Copper
- Color-Coded PVC Insulation
- Gray PVC Jacket
- Temp: -20°C to 80°C
- 300V

					500' Spools		1000' Spools	
Alpha Part No.	No. of Cond.	AWG	Strand	Nom. O.D. (In.)	**MOUSER STOCK NO.**	**Price Per 500'**	**MOUSER STOCK NO.**	**Price Per 1000'**
1735	1	22	7/30	0.12	-------	-------	602-1735-1000	693.18
1736C	2	22	7/30	0.18	-------	-------	602-1736C-1000	733.30
1737C	3	22	7/30	0.2	602-1737C-500	550.46	602-1737C-1000	693.18
1738C	4	22	7/30	0.21	602-1738C-500	778.05	602-1738C-1000	1352.95
1745	1	18	16/30	0.14	602-1745-500	758.89	602-1745-1000	1296.00
1746C	2	18	16/30	0.23	602-1746C-500	1220.01	602-1746C-1000	2121.35
1747C	3	18	16/30	0.24	602-1747C-500	1987.21	602-1747C-1000	3284.40

Multiconductor, Braided Shield, MIL-W-16878D, Type B/N

- Stranded Tinned Copper
- Color-Coded PVC (Nylon) Insulation
- Temp: -55°C to 105°C
- Gray PVC Jacket
- 600V

					500' Spools		1000' Spools	
Alpha Part No.	No. of Cond.	AWG	Strand	Nom. O.D. (In.)	**MOUSER STOCK NO.**	**Price Per 500'**	**MOUSER STOCK NO.**	**Price Per 1000'**
3200	1	26	7/34	0.09	———	———	602-3200-1000	687.06
3203	4	26	7/34	0.16	602-3203-500	1189.21	602-3203-1000	1389.75
3211	2	24	19/36	0.15	602-3211-500	610.31	602-3211-1000	962.03
3212	3	24	19/36	0.16	602-3212-500	566.40	602-3212-1000	1209.89
3221	2	22	19/34	0.18	602-3221-500	515.90	602-3221-1000	761.86
3222	3	22	19/34	0.18	602-3222-500	635.08	602-3222-1000	950.90
3223	4	22	19/34	0.20	602-3223-500	725.99	602-3223-1000	1098.54
3232	3	20	19/32	0.21	602-3232-500	730.63	602-3232-1000	1058.54
3246	2	16	19/29	0.24	602-3246-500	968.45	602-3246-1000	1484.10
3247	3	16	19/29	0.25	602-3247-500	1276.45	602-3247-1000	2015.52

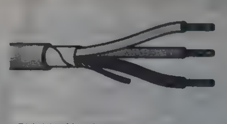
ALPHA WIRE Communication and Control Cable

PLENUM RATED MULTICONDUCTOR, FOIL SHIELD

Type CL2P, CSA CMP FT6, NEC Article 725, 150V

Recommend Heat Shrink FIT321 Recommend Heat Shrink FIT221

					500' Spool		1000' Spool	
Alpha Part No.	Conductor	Conductor		O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
		AWG	Strand					
58411	2 cond.	22	7 x 30	.122	602-58411-500	337.43	602-58411-1000	618.01
58113	3 cond.	22	7 x 30	.131	602-58113-500	375.48	602-58113-1000	560.07
58114	4 cond.	22	7 x 30	.140	602-58114-500	417.40	602-58114-1000	764.63
58116	6 cond.	22	7 x 30	.158	602-58116-500	575.99	602-58116-1000	1055.34
58421	2 cond.	20	7 x 28	.138	602-58421-500	373.21	602-58421-1000	683.13
58124	4 cond.	20	7 x 28	.160	602-58124-500	451.00	602-58124-1000	1027.06
58126	6 cond.	20	7 x 28	.181	602-58126-500	780.78	602-58126-1000	1430.33
58431	2 cond.	18	7 x .0152	.158	-----	-----	602-58431-1000	930.97
58134	4 cond.	18	7 x .0152	.183	602-58134-500	805.39	602-58134-1000	1475.48



- Shield: Aluminum/Polyester

Specifications:
- Jacket: Gray, Plenum-rated PVC
- Insulation: Color-Coded Plenum rated PVC
- Conductor: Stranded Bare Copper

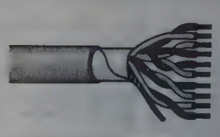
Applications:
- Remote control
- Intercom systems
- Burglar alarm systems
- Signaling and power-limited circuits
- Cash registers
- CRT-to-control interface
- Other low voltage systems

PLENUM RATED MULTIPAIR, FOIL SHIELD

UL, Type CL2P, CSA CMP FT6, NEC Article 725, 150V

Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

57602	2 pair	24	7 x 32	.157	-----	-----	602-57602-1000	559.09
57603	3 pair	24	7 x 32	.167	602-57603-500	432.20	602-57603-1000	590.81
57604	4 pair	24	7 x 32	.182	602-57604-500	777.67	602-57604-1000	1305.96
58412	2 pair	22	7 x 30	.177	602-58412-500	515.92	602-58412-1000	949.65
58413	3 pair	22	7 x 30	.174	602-58413-500	585.20	602-58413-1000	1077.34
58414	4 pair	22	7 x 30	.196	602-58414-500	743.99	602-58414-1000	1327.87
58415	5 pair	22	7 x 30	.215	-----	-----	602-58415-1000	1578.25
57632	2 pair	20	7 x 28	.196	-----	-----	602-57632-1000	588.52
57634	4 pair	20	7 x 28	.230	602-57634-500	669.40	602-57634-1000	1124.13



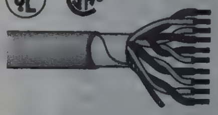
- Shield: Aluminum/Polyester

MULTIPAIR, SHIELDED

Recommend Heat Shrink FIT321 Recommend Heat Shrink FIT221

					100' Spool		500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Conductor		O.D. (In.)	MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
		AWG	Strand							
Foil Shield, UL Type CM, UL AWM 2464, CSA CMG FT4, 300V										
5471C	1	24	7 x 32	.16	602-5471C-100	41.90	602-5471C-500	127.42	602-5471C-1000	189.78
5472C	2	24	7 x 32	.21	602-5472C-100	50.50	602-5472C-500	172.68	602-5472C-1000	294.76
5473C	3	24	7 x 32	.23	602-5473C-100	71.74	602-5473C-500	240.28	602-5473C-1000	402.65
5474C	4	24	7 x 32	.24	602-5474C-100	84.17	602-5474C-500	318.97	602-5474C-1000	479.44
Foil Shield, UL Type CM, UL AWM 2464, CSA CMG FT4, 300V										
5902C	2	22	Solid	.22	-----	---	602-5902C-500	229.12	602-5902C-1000	409.05
5905C	4	22	Solid	.26	602-5905C-100	103.78	602-5905C-500	355.94	602-5905C-1000	666.25

Specifications:
- Jacket: Gray PVC
- Insulation: Color-Coded PVC
- Shield: Aluminum/Polyester tape (100% coverage)
- Conductor: Stranded Tinned Copper



Foil Shielded, Low Cap, UL Type CM, UL AWM 2919, CSA CMH FT1, 300V

Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

- Jacket: Gray PVC
- Insulation: Color-Coded Polyethylene
- Shield: Aluminum/Polyester Tape
- Conductor: Tinned Copper

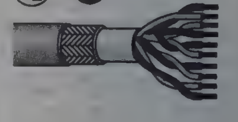
					100' Spool		500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Conductor		O.D. (In.)	MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
		AWG	Strand							
6301	6	24	7 x 32	.342	-----	---	602-6301-500	572.73	602-6301-1000	1009.99
6304	12 1/2	24	7 x 32	.445	602-6304-100	330.51	602-6304-500	1101.20	602-6304-1000	1942.06

Foil/Braid Shield, UL Type CM, UL AWM 2464, CSA CMG FT4, 300V

Recommend Heat Shrink FIT321 Recommend Heat Shrink FIT221

- Jacket: Gray PVC
- Insulation: Color-Coded SR-PVC
- Shield: Aluminum-Polyester/65% Tinned Copper Braid
- Conductor: Stranded Tinned Copper

					100' Spool		500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Conductor		O.D. (In.)	MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
		AWG	Strand							
6362	2	24	7 x 32	.23	602-6362-100	96.62	602-6362-500	321.04	602-6362-1000	566.95
6363	3	24	7 x 32	.25	602-6363-100	137.94	602-6363-500	457.45	602-6363-1000	807.84
6364	4	24	7 x 32	.28	602-6364-100	152.57	602-6364-500	507.50	602-6364-1000	896.16



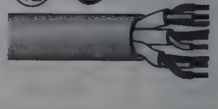
MULTIPAIR, SHIELDED

Recommend Heat Shrink FIT321 Recommend Heat Shrink FIT221

Applications:
- Audio, Pulse, or RF signal transmission
- Computer or Electronic peripheral interconnectors where high levels of noise are anticipated

					100' Spool		500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Conductor		O.D. (In.)	MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
		AWG	Strand							
Individually Foil Shield, UL Type CM, UL AWM 2493, CSA CMG FT4, 300V										
6010C	3	22	7 x 30	0.31	602-6010C-100	92.94	602-6010C-500	342.52	602-6010C-1000	594.30
6012C	6	22	7 x 30	0.39	602-6012C-100	176.57	602-6012C-500	643.62	602-6012C-1000	1187.78
6017C	12	22	7 x 30	.48	602-6017C-100	724.09	602-6017C-500	2312.45	602-6017C-1000	3511.95
6032C	2	20	10 X 30	.31	602-6032C-100	125.21	602-6032C-500	381.85	602-6032C-1000	698.34
6033C	3	20	10 X 30	.34	-----	---	602-6033C-500	488.25	602-6033C-1000	950.25
6025C	9	18	16 X 30	.62	602-6025C-100	782.04	602-6025C-500	2634.80	602-6025C-1000	4330.41
Individually Foil Shield, UL Type CM, UL AWM 2717, CSA CMG FT4, 300V										
2463C	4	22	7 x 30	.23	602-2463C-100	230.00	602-2463C-500	803.60	602-2463C-1000	1478.92
2466C	2	22	7 x 30	0.16	602-2466C-100	59.55	602-2466C-500	214.43	602-2466C-1000	310.31

Specifications:
- Jacket: Gray PVC
- Insul.: Color-Coded Polypropylene (PP)
- Shield: Aluminum/Polyester tape
- Conductor: Stranded Tinned Copper



ALPHA WIRE Communication and Control Cable

ALPHA WIRE MULTI-PAIR, FOIL/BRAID SHIELD

UL Type CM, UL AWM Style 2464, CSA CMG FT4 300V

Description:

- Stranded Tinned Copper Conductors
- Aluminum/polyester/65% Tinned Copper Braid.
- Drain wire is Stranded Tinned Copper
- Operating Temperature: -20°C to 80°C
- Insulation: Color-Coded SR-PVC
- Jacket: Gray PVC

Recommend Heat Shrink FIT321

Recommend Heat Shrink FIT221

				500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Nom. O.D.	Jacket Thickness	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000'
24 AWG 7/32							
6362	2	.235	.032	602-6362-500	321.04	602-6362-1000	566.95
6363	3	.245	.032	602-6363-500	457.45	602-6363-1000	807.84
6364	4	.265	.032	602-6364-500	507.50	602-6364-1000	896.16
6365	5	.285	.032	602-6365-500	583.80	602-6365-1000	1030.97
6366	6	.305	.032	602-6366-500	651.70	602-6366-1000	1150.73
6367	7	.305	.032	602-6367-500	783.13	602-6367-1000	1382.87
6368	10	.385	.032	602-6368-500	1015.96	602-6368-1000	1794.18
6369	12 1/2	.415	.032	602-6369-500	1221.76	602-6369-1000	2157.47
6370	15	.425	.032	602-6370-500	2493.05	602-6370-1000	4403.26
6371	18	.450	.032	602-6371-500	3641.75	602-6371-1000	6432.12
6372	25	.520	.032	602-6372-500	4482.54	602-6372-1000	7917.07
22 AWG 7/30							
6373	2	.260	.032	- - - - - - - - -	- - - - -	602-6373-1000	757.44
6374	3	.265	.032	602-6374-500	520.10	602-6374-1000	918.43
6375	4	.290	.032	602-6375-500	633.85	602-6375-1000	1119.28
6376	5	.322	.032	602-6376-500	570.24	602-6376-1000	1006.49
6377	6	.335	.032	602-6377-500	808.59	602-6377-1000	1428.17
6378	7	.355	.032	602-6378-500	913.06	602-6378-1000	1612.62
6379	8	.360	.032	602-6379-500	1041.51	602-6379-1000	1839.40
6380	10	.420	.032	602-6380-500	1224.13	602-6380-1000	2161.72
6381	12 1/2	.430	.032	602-6381-500	1512.35	602-6381-1000	2670.87
6382	15	.472	.032	602-6382-500	2122.84	602-6382-1000	3749.10
6383	18	.490	.032	602-6383-500	2661.40	602-6383-1000	4147.50
6384	25	.610	.032	602-6384-500	4202.01	602-6384-1000	7421.27

UL Listed Type CL2, CM, UL AWM Style 2960, 2919, CSA CMH FT1 300V

- Operating Temperature: -20°C to 60°C
- Insulation: Color-Coded Polyethylene

28 AWG 7/36							
6390	2	.214	.035	- - - - - - - - -	- - - - -	602-6390-1000	757.44
6391	3	.222	.035	602-6391-500	583.80	602-6391-1000	1030.97
6392	4	.237	.035	602-6392-500	646.63	602-6392-1000	1141.72
6393	5	.240	.035	602-6393-500	761.60	602-6393-1000	1345.13
6394	7	.256	.035	602-6394-500	951.65	602-6394-1000	1680.62
6395	9	.290	.035	602-6395-500	1302.44	602-6395-1000	2300.10
6396	12	.319	.035	602-6396-500	1858.15	602-6396-1000	3281.68
6397	13	.336	.035	602-6397-500	2122.84	602-6397-1000	3749.10
6398	18	.365	.035	602-6398-500	3081.58	602-6398-1000	5442.47
6399	25	.429	.035	602-6399-500	3361.14	602-6399-1000	5936.32
6400	31	.462	.035	602-6400-500	7069.91	602-6400-1000	12486.84
24 AWG 7/32							
6401	2	.291	.035	602-6401-500	643.21	602-6401-1000	1135.94
6402	3	.305	.035	602-6402-500	812.88	602-6402-1000	1435.65
6403	4	.330	.035	602-6403-500	932.66	602-6403-1000	1647.13
6404	5	.338	.035	602-6404-500	1065.23	602-6404-1000	1881.31
6405	6	:364	.035	602-6405-500	1231.48	602-6405-1000	2174.81
6406	7	.364	.035	602-6406-500	1134.55	602-6406-1000	2418.42
6407	9	.419	.035	602-6407-500	1640.28	602-6407-1000	2896.97
6408	10	.451	.035	602-6408-500	1914.33	602-6408-1000	3380.37
6409	12	.464	.035	602-6409-500	3065.30	602-6409-1000	5413.82
6410	18	.567	.045	602-6410-500	5295.06	602-6410-1000	9351.96
6411	25	.670	.045	602-6411-500	5742.19	602-6411-1000	10141.78

UL Listed Type CM, CSA, CMH FT1, UL AWM Style 2919 300V

- Overall aluminum/polyester foil shield with 90% coverage tinned copper braid.
- Drain wire is stranded tinned copper.
- Jacket: Gray PVC
- Operating temperature: -20°C to 60°C
- Insulation: Color-coded polyethylene

24 AWG 7/32							
6412	1	.200	.035	- - - - - - - - -	- - - - -	602-6412-1000	735.93
6413	2	.280	.035	602-6413-500	510.38	602-6413-1000	938.83
6414	3	.300	.035	602-6414-500	1047.22	602-6414-1000	2095.64
6415	4	.322	.035	602-6415-500	1014.74	602-6415-1000	1791.80

ALPHA WIRE MULTI-PAIR, FOIL SHIELD TRAY CABLE

UL Type CM/PLTC, CSA CMG FT4 300 Volt

Recommend Heat Shrink FIT321

Recommend Heat Shrink FIT221

				500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Nom. O.D.	Jacket Thickness	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
22 AWG 7/30							
6417	2	.310	.043	- - - - - - - - -	- - - - -	602-6417-1000	531.93
6418	3	.326	.043	- - - - - - - - -	- - - - -	602-6418-1000	667.08
6419	4	.353	.043	602-6419-500	459.72	602-6419-1000	888.59
6420	6	.425	.053	602-6420-500	712.78	602-6420-1000	1377.26
6421	9	.488	.053	602-6421-500	1095.33	602-6421-1000	2117.44

ALPHA WIRE MULTI-PAIR, FOIL SHIELD TRAY CABLE (CONT.)

UL Type CM/PLTC, CSA CMG FT4 300 Volt

Recommend Heat Shrink FIT321

Recommend Heat Shrink FIT221

				500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Nom. O.D.	Jacket Thickness	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
22 AWG 7/30 (cont.)							
6422	11	.536	.053	602-6422-500	1279.51	602-6422-1000	2473.76
6423	15	.594	.053	602-6423-500	1642.11	602-6423-1000	3174.50
6424	19	.631	.063	602-6424-500	2070.95	602-6424-1000	4003.76
6425	27	.741	.063	602-6425-500	2941.40	602-6425-1000	5686.93
6426	51	.950	.063	602-6426-500	5337.50	602-6426-1000	10320.45
18 AWG 19/30							
6427	2	.377	.043	602-6427-500	609.44	602-6427-1000	1177.93
6428	3	.420	.053	602-6428-500	968.89	602-6428-1000	1873.49
6429	4	.458	.053	602-6429-500	1162.61	602-6429-1000	2247.66
6430	6	.509	.053	602-6430-500	1764.79	602-6430-1000	3411.90
6431	9	.591	.053	602-6431-500	2621.50	602-6431-1000	5068.47
6432	11	.682	.063	602-6432-500	3213.09	602-6432-1000	6212.48
6433	15	.755	.063	602-6433-500	3973.03	602-6433-1000	7681.71

ALPHA WIRE MULTI-PAIR, INDIVIDUALLY FOIL SHIELDED

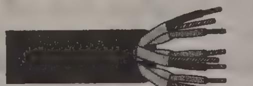
Recommend Heat Shrink FIT321

Recommend Heat Shrink FIT221

Power Limited Tray Cable, UL Type CM/PLTC CSA CMG FT4

Description:

- Stranded Tinned Copper Conductors
- Individually Foil Shielded Pairs.
- Drain wire is Stranded Tinned Copper.
- Operating Temperature: -20°C to 105°C
- Insulation: Color-Coded PVC



22 AWG 7/30

			500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Nom. O.D.	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
6434	2	.315	- - - - - - - -	- - - - -	602-6434-1000	635.72
6435	3	.331	602-6435-500	422.63	602-6435-1000	816.68
6436	4	.360	602-6436-500	541.54	602-6436-1000	1046.52
6437	6	.437	602-6437-500	897.05	602-6437-1000	1733.75
6438	9	.500	602-6438-500	1465.28	602-6438-1000	2832.80
6439	11	.551	602-6439-500	1759.10	602-6439-1000	3401.28
6440	19	.686	602-6440-500	3005.28	602-6440-1000	5810.69
6441	51	1.050	602-6441-500	7607.51	602-6441-1000	14709.59

18 AWG 19/30

6442	2	.380	602-6442-500	788.93	602-6442-1000	1565.70
6443	3	.423	602-6443-500	983.33	602-6443-1000	1901.11
6444	4	.486	602-6444-500	1282.05	602-6444-1000	2478.60
6445	6	.538	602-6445-500	1954.84	602-6445-1000	3779.53
6446	9	.650	602-6446-500	2809.10	602-6446-1000	5431.42
6447	11	.727	602-6447-500	3303.65	602-6447-1000	6387.67
6448	15	.806	602-6448-500	4796.75	602-6448-1000	9274.10

UL AWM Style 2464 Description:

- Stranded Tinned Copper Conductors
- Individually Foil Shielded Pairs.
- Drain wire is 22 AWG Stranded Tinned Copper
- Operating Temperature: -20°C to 80°C
- Insulation: Color-Coded SR-PVC
- 300 Volt UL Type CM, UL AWM Stle 2464, CSA PCC FT4

20 AWG 7/28

			500' Spool		1000' Spool	
Alpha Part No.	No. of Pairs	Nom. O.D.	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
6416	2	.301	602-6416-500	395.99	602-6416-1000	852.55

PP/PE, Direct Burial:

- Stranded Tinned Copper Conductors
- Individually Foil shielded pairs.
- Drain wire is 22 AWG 7/30 Stranded Tinned Copper.
- Black, high-density Polyethylene jacket.
- Insulation: Color-Coded polyproplene
- Voltage Rating: 350V

20 AWG 10x30

6314	3	.309	602-6314-500	813.93	602-6314-1000	1437.52
6315	6	.400	602-6315-500	2012.24	602-6315-1000	3553.94

UL AWM Style 2919:

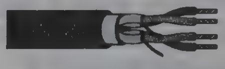
- Stranded Tinned Copper Conductors
- Individually Foil shielded pairs.
- Drain wire is 24 AWG 7/32 Tinned Copper. PVC jacket.
- Operating Temperature: -20°C to 80°C
- Insulation: Color-Coded polyethylene.
- Voltage Rating: 300V

24 AWG 7/32

6385	3	.255	- - - - - - - -	- - - - -	602-6385-1000	681.70
6386	6	.330	602-6386-500	732.11	602-6386-1000	1292.60
6387	9	.383	602-6387-500	1160.78	602-6387-1000	2050.20
6388	12	.428	602-6388-500	1641.59	602-6388-1000	2899.10
6389	25	.636	602-6389-500	5296.11	602-6389-1000	9354.25

ALPHA WIRE Instrumentation and Control Cable

A

B


C

D

INSTRUMENTATION OVERALL MULTI-PAIR / MULTI-TRIAD SHIELDED CABLE

UL Type PLTC CSA CMG FT4, 300V

Description:
- Stranded Bare Copper Conductors
- Aluminum/Polyester and Tinned Copper drain wire
- PVC Jacket-Black, UV Resistant
- Paired Construction Color Coded: One Black, One White
- Triad Construction Color Coded: One Black, One White, One Red
- Operating Temperature: -20°C to 105°C

Specifications:
- Passes UL vertical tray flame test
- Complies with NEC article 725, Type PLTC

Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

Single and Multi-Pair Shielded

Alpha Part No.	Fig.	No. of Pairs	AWG	Nominal O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
5610B2002	A	2	20	.31	602-5610B2002	621.35
5610B2004	A	4	20	.38	602-5610B2004	1027.31
5610B2008	A	8	20	.47	602-5610B2008	1813.82
5610B2016	A	16	20	.63	602-5610B2016	3837.84
5610B2020	A	20	20	.66	602-5610B2020	2431.00
5610B1802	A	2	18	.37	602-5610B1802	1035.56
5610B1804	A	4	18	.45	602-5610B1804	1413.72
5610B1808	A	8	18	.56	602-5610B1808	2516.00
5610B1812	A	12	18	.68	602-5610B1812	3281.00
5610B1602	A	2	16	.43	602-5610B1602	1472.46
5610B1608	A	8	16	.64	602-5610B1608	4644.83
5610B1401	A	1	14	.31	602-5610B1401	962.20
5610B1201	A	1	12	.35	602-5610B1201	1861.16

Multi-Pair Individually and Overall Shielded

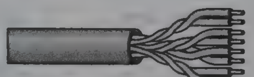
Alpha Part No.	Fig.	No. of Pairs	AWG	Nominal O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
5620B2002	B	2	20	.36	602-5620B2002	788.80
5620B2004	B	4	20	.40	602-5620B2004	1190.77
5620B2008	B	8	20	.51	602-5620B2008	2424.46
5620B2012	B	12	20	.61	602-5620B2012	3597.97
5620B2016	B	16	20	.68	602-5620B2016	5185.00
5620B2020	B	20	20	.74	602-5620B2020	7276.00
5620B1804	B	4	18	.46	602-5620B1804	1932.31
5620B1808	B	8	18	.62	602-5620B1808	3995.00
5620B1812	B	12	18	.73	602-5620B1812	6936.00
5620B1820	B	20	18	.91	602-5620B1820	10115.00
5620B1602	B	2	16	.40	602-5620B1602	1573.52
5620B1604	B	4	16	.51	602-5620B1604	2936.92
5620B1612	B	12	16	.82	602-5620B1612	8449.00

Single and Multi-Triad Individual Shielded

Alpha Part No.	Fig.	No. of Pairs	AWG	Nominal O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
5640B2201	C	1	22	.20	602-5640B2201	459.00
5650B2008	C	8	20	.57	602-5650B2008	4386.00
5640B1801	C	1	18	.25	602-5640B1801	920.40
5640B1601	C	1	16	.27	602-5640B1601	1045.93

PVC/NYLON INSTRUMENTATION CABLE

UL Type TC 600V



Description:
- Stranded Bare Copper Conductors
- Aluminum/Polyester and Tinned Copper Drain wire.
- PVC Jacket-Black, UV Resistant
- Operating Temperature: -20°C to 90°C
- Paired construction Color-Coded: One Black, One White

Specifications:
- Passes UL vertical tray flame test and complies with NEC article 340, (Article 725 Class 1)

Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

Single Triad Shielded

Alpha Part No.	Fig.	No. of Pairs	AWG	Nominal O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
5646B1601	D	1	16	.31	602-5646B1601	1141.98

Single and Multi-Pair Overall Shielded

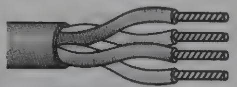
Alpha Part No.	Fig.	No. of Pairs	AWG	Nominal O.D.	MOUSER STOCK NO.	Price Per 1000' Spool
5616B1801	A	1	18	.28	602-5616B1801	506.52
5616B1812	A	12	18	.74	602-5616B1812	5321.00
5616B1601	A	1	16	.30	602-5616B1601	569.08
5616B1602	A	2	16	.46	602-5616B1602	1313.34
5616B1608	A	8	16	.69	602-5616B1608	4519.37
5616B1401	A	1	14	.32	602-5616B1401	1154.47
5616B1201	A	1	12	.36	602-5616B1201	1938.00

MULTI-PAIR, UNSHIELDED

UL Type CM, UL AWM 2576, CMG PCC FT4, 150V

Recommend Heat Shrink FIT321
Recommend Heat Shrink FIT221

Specifications:
- Jacket: Gray PVC
- Insulation: Color-Coded PVC
- Conductor: Stranded Tinned Copper



Alpha Part No.	No. of Pairs	Conductor AWG	Conductor Strand	O.D. (In.)	MOUSER STOCK NO.	Price Per 1000' Spool
1302C	2	22	Solid	0.21	602-1302C-1000	285.61
1304C	3	22	Solid	0.22	602-1304C-1000	455.38
1305C	4	22	Solid	0.24	602-1305C-1000	562.94
1317C	2	22	7 x 30	0.22	602-1317C-1000	324.73
1318C	3	22	7 x 30	0.24	602-1318C-1000	451.90
1319C	4	22	7 x 30	0.26	602-1319C-1000	583.77

SERIES V- HIGH PERFORMANCE SMALL DIAMETER VARIABLE FREQUENCY DRIVE (VFD) CABLE

The Alpha Wire Industrial Series-Series V Enhanced Design Variable Frequency Drive (VFD) Cables are acceptable for use with Allen-Bradley®ArmorStart Distributed Motor Controller Series with integrated variable frequency AC drives manufactured by Rockwell Automation.

Characteristics:
- Operating Temperature: -25°C to 90°C (UL: wet or dry)
- Voltage Rating: UL Listed Type TC 600V
- Jacket Color: Black

Specifications:
- UL Sunlight Resistant
- UL Direct Burial

Applications:
- Multi-Axis Control Systems
- Automotive Assembly Equipment
- Factory Equipment Interconnects
- Robotics
- Machine Tools
- Control Panels

Stranded Tinned Copper Conductor-Without Brake Pair

Alpha Part No.	No. of Cond.	AWG	Strand	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool
V16016	4	16	26/30	.535	602-V16016-100	452.00
V16014	4	14	41/30	.575	602-V16014-100	372.00
V16012	4	12	65/30	.627	602-V16012-100	612.00
V16010	4	10	105/30	.728	602-V16010-100	872.00
V16008	4	8	7x19/29	.920	602-V16008-100	1570.00
V16006	4	6	7x19/27	1.017	602-V16006-100	1920.00
V16004	4	4	7x19/25	1.157	602-V16004-100	2640.00
V16002	4	2	7x19/23	1.317	602-V16002-100	3720.00

14 AWG (7x22) Tinned Copper-With Brake Pair

Alpha Part No.	No. of Cond.	AWG	Strand	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool
V16116	4	16	26/30	.710	602-V16116-100	656.00
V16114	4	14	41/30	.740	602-V16114-100	730.00
V16112	4	12	65/30	.780	602-V16112-100	884.00
V16110	4	10	105/30	.880	602-V16110-100	1030.00
V16108	4	8	7x19/29	1.030	602-V16108-100	1610.00

Recommend Heat Shrink FIT221
Recommend Heat Shrink FIT321V

ALPHA WIRE XTRA-GUARD® 1 Multiconductor & Multi-Pair Cable

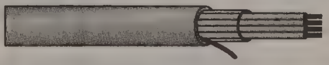
Features:
- Unsurpassed flame and moisture resistance
- Fast, easy stripping of insulation and jacket
- Flexible cable routing requirements

Specifications:
- UL Type CM, AWM style 2464
- CSA PCC FT4
- Passes UL VW-1 flame test
- Passes CSA FT4 flame test

Characteristics:
- Operating Temperature: -20°C to 80°C - AWM -20°C to 75°C - CM
- Voltage Rating: 300V
- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Nylon rip cord for ease of jacket stripping
- Jacket: Premium PVC for extended cable life
- Jacket Color: Gray

Applications:
- High technology applications in controlled environments
- Medical electronics
- Point-of-sale equipment
- Industrial process controls
- EIA RS232C interface

MULTICONDUCTOR, UNSHIELDED



Recommend Heat Shrink FITFlex

Recommend Heat Shrink FIT650

∗ Conductors color coded per international standards: Brown, Blue, Green/Yellow

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	Price Per 100'	500' Spools MOUSER STOCK NO.	Price Per 500'
5002C	2	22	7 X 30	602-5002C-100	176.38	602-5002C-500	800.93
5003C	3	22	7 X 30	602-5003C-100	211.94	602-5003C-500	963.42
5004C	4	22	7 X 30	602-5004C-100	262.54	602-5004C-500	1209.08
5006C	6	22	7 X 30	602-5006C-100	300.55	602-5006C-500	1368.57
5008C	8	22	7 X 30	602-5008C-100	391.87	602-5008C-500	1801.60
5010C	10	22	7 X 30	602-5010C-100	449.15	602-5010C-500	1986.13
5010/15C	15	22	7 X 30	602-5010/15C-100	687.98	602-5010/15C-500	3164.07
5056C	6	20	7 X 28	602-5056C-100	400.37	602-5056C-500	1841.76
5058C	8	20	7 X 28	602-5058C-100	469.88	602-5058C-500	2154.55
5060C	10	20	7 X 28	602-5060C-100	544.09	602-5060C-500	2503.58
5060/15C	15	20	7 X 28	602-5060/15C-100	897.58	602-5060/15C-500	4133.08
5062C	2	18	16 X 30	602-5062C-100	262.90	602-5062C-500	1206.83
5062/1C	2∗	18	16 X 30	602-5062/1C-100	262.90	602-5062/1C-500	1206.83
5063C	3	18	16 X 30	602-5063C-100	341.88	602-5063C-500	1524.13
5063/1C	3∗	18	16 X 30	602-5063/1C-100	334.49	602-5063/1C-500	1524.13
5064C	4	18	16 X 30	602-5064C-100	396.57	602-5064C-500	1818.80
5066C	6	18	16 X 30	602-5066C-100	618.12	602-5066C-500	2839.17
5068C	8	18	16 X 30	602-5068C-100	741.47	602-5068C-500	3403.96
5070C	10	18	16 X 30	602-5070C-100	876.67	602-5070C-500	3992.39
5070/15C	15	18	16 X 30	602-5070/15C-100	1321.66	602-5070/15C-500	6090.32
5072C	2	16	19 X 29	602-5072C-100	334.49	602-5072C-500	1524.13
5073C	3	16	19 X 29	602-5073C-100	444.08	602-5073C-500	2043.50
5073/1C	3∗	16	19 X 29	602-5073/1C-100	444.08	602-5073/1C-500	2043.50
5074C	4	16	19 X 29	602-5074C-100	556.76	602-5074C-500	2545.41
5076C	6	16	19 X 29	602-5076C-100	792.60	602-5076C-500	3650.54
5078C	8	16	19 X 29	602-5078C-100	1065.46	602-5078C-500	4894.44
5080C	10	16	19 X 29	602-5080C-100	1466.82	602-5080C-500	6755.15
5080/15C	15	16	19 X 29	602-5080/15C-100	1826.11	602-5080/15C-500	8390.33

FOIL SHIELD

Recommend Heat Shrink FIT221

Recommend Heat Shrink FIT321

Multiconductor

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	Price Per 100'	500' Spools MOUSER STOCK NO.	Price Per 500'
5192C	2	22	7 X 30	602-5192C-100	231.05	602-5192C-500	1022.71
5193C	3	22	7 X 30	602-5193C-100	271.14	602-5193C-500	1209.08
5194C	4	22	7 X 30	602-5194C-100	334.22	602-5194C-500	1422.17
5196C	6	22	7 X 30	602-5196C-100	379.83	602-5196C-500	1737.55
5198C	8	22	7 X 30	602-5198C-100	466.80	602-5198C-500	1986.13
5199/10C	10	22	7 X 30	602-5199/10C-100	522.00	602-5199/10C-500	2399.46
5199/15C	15	22	7 X 30	602-5199/15C-100	748.16	602-5199/15C-500	3318.46
5199/25C	25	22	7 X 30	602-5199/25C-100	1078.57	602-5199/25C-500	5283.10
5462C	2	20	7 X 28	- - - - -	- - - -	602-5462C-500	1185.12
5463C	3	20	7 X 28	602-5463C-100	334.22	602-5463C-500	1422.17
5464C	4	20	7 X 28	602-5464C-100	346.34	602-5464C-500	1573.56
5466C	6	20	7 X 28	602-5466C-100	455.40	602-5466C-500	1986.13
5468C	8	20	7 X 28	- - - - -	- - - -	602-5468C-500	2360.88
5470C	10	20	7 X 28	- - - - -	- - - -	602-5470C-500	2896.70
5470/15C	15	20	7 X 28	- - - - -	- - - -	602-5470/15C-500	4180.09
5382C	2	18	16 X 30	602-5382C-100	390.87	602-5382C-500	1662.23
5383C	3	18	16 X 30	602-5383C-100	406.25	602-5383C-500	1862.80
5384C	4	18	16 X 30	602-5384C-100	473.86	602-5384C-500	2016.11
5386C	6	18	16 X 30	602-5386C-100	641.74	602-5386C-500	2867.56
5388C	8	18	16 X 30	602-5388C-100	828.35	602-5388C-500	3721.76
5390C	10	18	16 X 30	602-5390C-100	966.18	602-5390C-500	4258.17
5390/15C	15	18	16 X 30	602-5390/15C-100	1321.66	602-5390/15C-500	6090.32
5362C	2	16	19 X 29	602-5362C-100	406.25	602-5362C-500	1862.80
5363C	3	16	19 X 29	602-5363C-100	519.20	602-5363C-500	2364.89
5364C	4	16	19 X 29	602-5364C-100	595.31	602-5364C-500	2659.73
5366C	6	16	19 X 29	602-5366C-100	876.67	602-5366C-500	3940.20
5368C	8	16	19 X 29	602-5368C-100	1131.52	602-5368C-500	5188.61
5370C	10	16	19 X 29	602-5370C-100	1518.23	602-5370C-500	7002.14
5370/15C	15	16	19 X 29	602-5370/15C-100	1971.09	602-5370/15C-500	9073.53

Multi-Pair

Alpha Part No.	No. of Pairs	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	Price Per 100'	500' Spools MOUSER STOCK NO.	Price Per 500'
5491C	1	24	7 X 32	602-5491C-100	236.57	602-5491C-500	1022.71
5492C	2	24	7 X 32	602-5492C-100	305.71	602-5492C-500	1351.61
5493C	3	24	7 X 32	602-5493C-100	369.96	602-5493C-500	1697.14
5494C	4	24	7 X 32	602-5494C-100	443.54	602-5494C-500	1905.97
5495C	5	24	7 X 32	602-5495C-100	532.76	602-5495C-500	2278.97
5496C	6	24	7 X 32	602-5496C-100	617.12	602-5496C-500	2722.52
5499C	9	24	7 X 32	602-5499C-100	881.47	602-5499C-500	4036.39
5481C	1	22	7 X 30	602-5481C-100	242.18	602-5481C-500	1086.25
5482C	2	22	7 X 30	602-5482C-100	334.22	602-5482C-500	1422.17
5483C	3	22	7 X 30	602-5483C-100	390.78	602-5483C-500	1761.52
5484C	4	22	7 X 30	602-5484C-100	466.80	602-5484C-500	2090.59
5485C	5	22	7 X 30	602-5485C-100	531.24	602-5485C-500	2399.46
5486C	6	22	7 X 30	602-5486C-100	648.43	602-5486C-500	2876.99
5489C	9	22	7 X 30	602-5489C-100	995.50	602-5489C-500	4559.52

SUPRASHIELD®
(Foil Shield Plus Braid Shield)

Recommend Heat Shrink FIT221

Recommend Heat Shrink FIT321

∗ Conductors color coded per international standards: Brown, Blue, Green/Yellow

Multiconductor

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	Price Per 100'	500' Spools MOUSER STOCK NO.	Price Per 500'
5102C	2	22	7 X 30	602-5102C-100	395.67	602-5102C-500	1703.57
5103C	3	22	7 X 30	602-5103C-100	416.12	602-5103C-500	1908.64
5104C	4	22	7 X 30	602-5104C-100	441.64	602-5104C-500	2024.62
5106C	6	22	7 X 30	602-5106C-100	588.16	602-5106C-500	2624.82
5108C	8	22	7 X 30	602-5108C-100	665.08	602-5108C-500	3066.79
5110C	10	22	7 X 30	602-5110C-100	778.75	602-5110C-500	3580.48
5110/15C	15	22	7 X 30	602-5110/15C-100	1128.63	602-5110/15C-500	5190.36
5152C	2	20	7 X 28	602-5152C-100	430.42	602-5152C-500	1980.20
5153C	3	20	7 X 28	602-5153C-100	493.32	602-5153C-500	2256.42
5154C	4	20	7 X 28	602-5154C-100	538.29	602-5154C-500	2461.58
5156C	6	20	7 X 28	602-5156C-100	747.71	602-5156C-500	3432.85
5158C	8	20	7 X 28	602-5158C-100	819.84	602-5158C-500	3775.37
5160C	10	20	7 X 28	- - - - -	- - - -	602-5160C-500	4707.23
5160/15C	15	20	7 X 28	- - - - -	- - - -	602-5160/15C-500	6827.54
5162C	2	18	16 X 30	602-5162C-100	557.39	602-5162C-500	2569.38
5162/1C	2∗	18	16 X 30	602-5162/1C-100	557.39	602-5162/1C-500	2569.38
5163C	3	18	16 X 30	602-5163C-100	658.03	602-5163C-500	2996.06
5163/1C	3∗	18	16 X 30	602-5163/1C-100	658.03	602-5163/1C-500	2996.06
5164C	4	18	16 X 30	602-5164C-100	730.06	602-5164C-500	3365.89
5166C	6	18	16 X 30	602-5166C-100	985.27	602-5166C-500	4521.94
5168C	8	18	16 X 30	602-5168C-100	1201.57	602-5168C-500	5524.94
5170C	10	18	16 X 30	602-5170C-100	1557.23	602-5170C-500	6629.90
5170/15C	15	18	16 X 30	602-5170/15C-100	1987.20	602-5170/15C-500	9164.96
5172C	2	16	19 X 29	602-5172C-100	665.08	602-5172C-500	2944.46
5173C	3	16	19 X 29	602-5173C-100	824.64	602-5173C-500	3792.24
5174C	4	16	19 X 29	602-5174C-100	911.24	602-5174C-500	4188.11
5176C	6	16	19 X 29	602-5176C-100	1260.03	602-5176C-500	5740.37
5178C	8	16	19 X 29	602-5178C-100	1657.06	602-5178C-500	7635.74
5180C	10	16	19 X 29	602-5180C-100	2021.23	602-5180C-500	9316.26
5180/15C	15	16	19 X 29	602-5180/15C-100	2735.54	602-5180/15C-500	12617.94

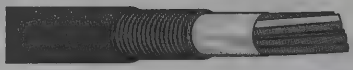
Multi-Pair

Alpha Part No.	No. of Pairs	Conductor AWG	Conductor Strand	100' Spools MOUSER STOCK NO.	Price Per 100'	500' Spools MOUSER STOCK NO.	Price Per 500'
5271C	1	24	7 X 32	602-5271C-100	350.24	602-5271C-500	1587.59
5272C	2	24	7 X 32	602-5272C-100	454.13	602-5272C-500	2002.33
5273C	3	24	7 X 32	602-5273C-100	577.48	602-5273C-500	2648.70
5274C	4	24	7 X 32	602-5274C-100	685.72	602-5274C-500	3162.06
5275C	5	24	7 X 32	602-5275C-100	809.52	602-5275C-500	3727.77
5276C	6	24	7 X 32	602-5276C-100	864.00	602-5276C-500	3983.45
5279C	9	24	7 X 32	602-5279C-100	1148.45	602-5279C-500	5285.80
5121C	1	22	7 X 30	602-5121C-100	383.09	602-5121C-500	1629.42
5122C	2	22	7 X 30	602-5122C-100	478.65	602-5122C-500	2207.24
5123C	3	22	7 X 30	602-5123C-100	644.72	602-5123C-500	2966.92
5124C	4	22	7 X 30	- - - - -	- - - -	602-5124C-500	3409.05
5125C	5	22	7 X 30	602-5125C-100	886.72	602-5125C-500	4070.21
5126C	6	22	7 X 30	602-5126C-100	1006.81	602-5126C-500	4638.43
5129C	9	22	7 X 30	602-5129C-100	1344.11	602-5129C-500	6193.45

ALPHA WIRE XTRA-GUARD® Flexible Data Cables

XTRA-GUARD® FLEXIBLE CABLE

Multiconductor Shielded



Specifications:
- Operating Temperature: 5°C to 105°C
- Voltage Rating: 300V
- Jacket: Gray Oil Resistant PVC
- Insulation Thickness: .010"
- Extreme flexibility in small spaces
- Continual flexing in cable tracks

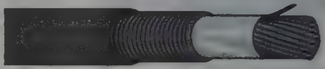
Applications:
- Industrial Electronic Processing Equipment
- DataComm Connections
- Connecting Sensors and Actuators to Controllers
- Sensor and I/O Interconnects

Recommend Heat Shrink FIT Flex
Recommend Heat Shrink FIT 650

					100' Spools		500' Spools	
Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'
86002CY	2	28	7/36	.17	602-86002CY-100	137.20	602-86002CY-500	583.51
86003CY	3	28	7/36	.18	602-86003CY-100	152.42	602-86003CY-500	642.70
86004CY	4	28	7/36	.19	602-86004CY-100	169.87	- - -	- - -
86005CY	5	28	7/36	.20	602-86005CY-100	207.97	602-86005CY-500	883.68
86007CY	7	28	7/36	.22	602-86007CY-100	244.35	602-86007CY-500	1039.40
86012CY	12	28	7/36	.28	602-86012CY-100	274.60	602-86012CY-500	1167.90
86018CY	18	28	7/36	.29	602-86018CY-100	365.17	602-86018CY-500	1553.94
86102CY	2	26	7/34	.18	602-86102CY-100	151.13	602-86102CY-500	642.69
86103CY	3	26	7/34	.19	602-86103CY-100	169.42	602-86103CY-500	719.94
86104CY	4	26	7/34	.20	602-86104CY-100	194.62	602-86104CY-500	876.27
86105CY	5	26	7/34	.21	602-86105CY-100	228.52	602-86105CY-500	972.03
86107CY	7	26	7/34	.23	602-86107CY-100	248.25	602-86107CY-500	1056.87
86112CY	12	26	7/34	.29	602-86112CY-100	318.56	602-86112CY-500	1345.34
86118CY	18	26	7/34	.30	602-86118CY-100	392.50	602-86118CY-500	1670.50
86202CY	2	24	10/34	.19	602-86202CY-100	165.09	602-86202CY-500	701.48
86203CY	3	24	10/34	.20	602-86203CY-100	191.41	602-86203CY-500	813.62
86204CY	4	24	10/34	.21	602-86204CY-100	222.09	602-86204CY-500	944.53
86205CY	5	24	10/34	.23	602-86205CY-100	239.84	602-86205CY-500	1020.03
86207CY	7	24	10/34	.25	602-86207CY-100	276.94	602-86207CY-500	1173.19
86212CY	12	24	10/34	.32	602-86212CY-100	329.22	602-86212CY-500	1400.63
86218CY	18	24	10/34	.33	602-86218CY-100	425.35	602-86218CY-500	1806.27
86302CY	2	22	19/34	.20	602-86302CY-100	175.56	602-86302CY-500	764.04
86303CY	3	22	19/34	.21	602-86303CY-100	216.92	602-86303CY-500	922.43
86304CY	4	22	19/34	.23	602-86304CY-100	241.54	602-86304CY-500	1027.22
86305CY	5	22	19/34	.25	602-86305CY-100	258.09	602-86305CY-500	1097.11
86307CY	7	22	19/34	.27	602-86307CY-100	297.65	602-86307CY-500	1265.77
86312CY	12	22	19/34	.35	602-86312CY-100	377.91	602-86312CY-500	1607.71
86318CY	18	22	19/34	.36	602-86318CY-100	494.87	602-86318CY-500	2106.21

XTRA-GUARD® HIGH-FLEX MINI DIAMETER CABLE

Multipair Shielded



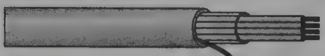
Specifications:
- Operating Temperature: 5°C to 105°C
- Voltage Rating: 300V
- Jacket: Gray Oil Resistant PVC
- Insulation Thickness: .010"
- Extreme flexibility in small spaces
- Continual flexing in cable tracks

Applications:
- Industrial Electronic Processing Equipment
- DataComm Connections
- Connecting Sensors and Actuators to Controllers
- Sensor and I/O Interconnects

Recommend Heat Shrink FIT Flex
Recommend Heat Shrink FIT 650

					100' Spools		500' Spools	
Alpha Part No.	No. of Pairs	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'
86401CY	1	28	7/36	.18	602-86401CY-100	269.07	602-86401CY-500	1145.54
86402CY	2	28	7/36	.23	602-86402CY-100	294.92	602-86402CY-500	1254.59
86403CY	3	28	7/36	.24	602-86403CY-100	362.29	602-86403CY-500	1541.41
86404CY	4	28	7/36	.25	602-86404CY-100	387.96	602-86404CY-500	1655.95
86405CY	5	28	7/36	.27	602-86405CY-100	441.36	602-86405CY-500	1877.99
86406CY	6	28	7/36	.30	602-86406CY-100	482.46	602-86406CY-500	2052.94
86408CY	8	28	7/36	.33	602-86408CY-100	564.53	602-86408CY-500	2402.71
86410CY	10	28	7/36	.38	602-86410CY-100	826.90	602-86410CY-500	3520.28
86501CY	1	26	7/34	.19	602-86501CY-100	224.45	602-86501CY-500	954.65
86502CY	2	26	7/34	.24	602-86502CY-100	248.43	602-86502CY-500	1056.84
86503CY	3	26	7/34	.25	602-86503CY-100	278.19	602-86503CY-500	1303.60
86504CY	4	26	7/34	.27	602-86504CY-100	320.21	602-86504CY-500	1362.15
86505CY	5	26	7/34	.29	602-86505CY-100	353.87	602-86505CY-500	1505.41
86506CY	6	26	7/34	.31	602-86506CY-100	412.04	602-86506CY-500	1753.34
86508CY	8	26	7/34	.35	602-86508CY-100	497.75	602-86508CY-500	2118.13
86510CY	10	26	7/34	.40	602-86510CY-100	549.33	602-86510CY-500	2337.08
86601CY	1	24	10/34	.20	602-86601CY-100	198.83	602-86601CY-500	845.52
86602CY	2	24	10/34	.26	602-86602CY-100	256.47	602-86602CY-500	1090.94
86603CY	3	24	10/34	.27	602-86603CY-100	313.14	602-86603CY-500	1326.24
86604CY	4	24	10/34	.29	602-86604CY-100	353.87	602-86604CY-500	1505.41
86605CY	5	24	10/34	.31	602-86605CY-100	409.24	602-86605CY-500	1741.89
86606CY	6	24	10/34	.34	602-86606CY-100	451.60	602-86606CY-500	1921.42
86608CY	8	24	10/34	.37	602-86608CY-100	574.78	602-86608CY-500	2446.64
86610CY	10	24	10/34	.44	602-86610CY-100	677.65	602-86610CY-500	2884.93
86701CY	1	22	19/34	.21	602-86701CY-100	232.40	602-86701CY-500	988.64
86702CY	2	22	19/34	.28	602-86702CY-100	288.42	602-86702CY-500	1227.27
86703CY	3	22	19/34	.29	602-86703CY-100	362.27	602-86703CY-500	1541.41
86704CY	4	22	19/34	.31	602-86704CY-100	404.35	602-86704CY-500	1720.51
86705CY	5	22	19/34	.34	602-86705CY-100	468.34	602-86705CY-500	1992.82
86706CY	6	22	19/34	.37	602-86706CY-100	540.65	602-86706CY-500	2301.18
86708CY	8	22	19/34	.42	602-86708CY-100	789.25	602-86708CY-500	3359.36
86710CY	10	22	19/34	.50	602-86710CY-100	823.46	602-86710CY-500	3505.49

XTRA-GUARD® 2 MULTICONDUCTOR, SHIELDED



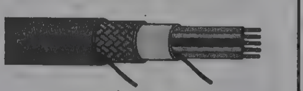
Specifications:
- Operating Temperature: -20°C to +90°C
- Voltage Rating: 300V
- Jacket: Specially formulated Polyurethane
- Insulation Thickness: .017"
- Unmatched resistance to Oils, Fuels, Solvents, and Water
- Twice the tensile strength of PVC
- Three times the tear and abrasion resistance of PVC
- Extraordinary fungus resistance
- Stranded Tinned Copper

Applications:
- Automotive Assembly Plant Operations
- CNC Machine Centers
- Military Ground Support Systems
- Packing Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

Recommend Heat Shrink FIT 750

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
25062	2	18	16/30	.23	602-25062-500	1407.14	602-25062-1000	2359.31
25064	4	18	16/30	.26	602-25064-500	2089.34	602-25064-1000	3481.78
25066	6	18	16/30	.31	602-25066-500	3323.88	602-25066-1000	5340.21
25070	10	18	16/30	.39	602-25070-500	5050.33	602-25070-1000	9324.37
25070/15	15	18	16/30	.45	602-25070/15-500	7121.88	602-25070/15-1000	10770.15

XTRA-GUARD® 2 MULTICONDUCTOR, SUPRASHIELD®



Specifications:
- Operating Temperature: -20°C to +90°C
- Voltage Rating: 300V
- Jacket: Specially formulated Polyurethane
- Insulation Thickness: .010"
- Unmatched resistance to Oils, Fuels, Solvents, and Water
- Twice the tensile strength of PVC
- Three times the tear and abrasion resistance of PVC
- Stranded Tinned Copper
- SUPRASHIELD® - Twice as effective as Foil Shielding

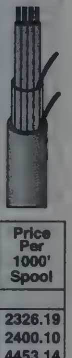
Applications:
- Automotive Assembly Plant Operations
- CNC Machine Centers
- Packing Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

Recommend Heat Shrink FIT 750

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Insulation Thickness: 0.010"								
25114	4	24	7/32	.21	602-25114-500	2243.39	602-25114-1000	4141.69
25120/15	10	24	7/32	.30	602-25120/15-500	5369.55	602-25120/15-1000	9913.50
Insulation Thickness: 0.017"								
25153	3	20	7/28	.26	602-25153-500	2584.99	602-25153-1000	4772.54
25154	4	20	7/28	.28	602-25154-500	2928.85	602-25154-1000	5407.27
25168	8	18	16/30	.38	602-25168-500	6477.68	602-25168-1000	11959.23
25170	10	18	16/30	.41	602-25170-500	8728.17	602-25170-1000	16114.33
Insulation Thickness: 0.032" 600V UL AWM 20952 CSA AWM I A/B II A/B FT1								
25534	4	16	19/.0117	.49	602-25534-500	6526.61	602-25534-1000	12049.79
25544	4	14	41/30	.51	602-25544-500	8239.45	602-25544-1000	15211.90

XTRA-GUARD® 2 MULTICONDUCTOR, FOIL SHIELDED

Recommend Heat Shrink FIT 750



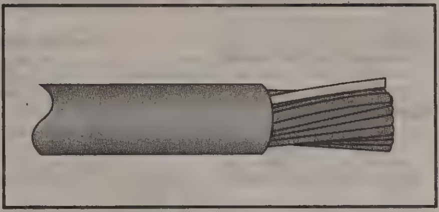
Specifications:
- Operating Temperature: -20°C to +90°C
- Voltage Rating: 300V
- Jacket: Specially formulated Polyurethane
- Insulation Thickness: .017"
- Unmatched resistance to Oils, Fuels, Solvents, and Water
- Twice the tensile strength of PVC
- Three times the tear and abrasion resistance of PVC
- Extraordinary fungus resistance
- Stranded Tinned Copper

Applications:
- Automotive Assembly Plant Operations
- CNC Machine Centers
- Military Ground Support Systems
- Packing Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

Alpha Part No.	No. of Cond.	Conductor AWG	Conductor Strand	Nom O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Insulation Thickness: 0.010"								
25092	2	24	7/32	.16	602-25092-500	1260.02	602-25092-1000	2326.19
25093	3	24	7/32	.17	602-25093-500	1300.18	602-25093-1000	2400.10
25098	8	24	7/32	.22	602-25098-500	2412.23	602-25098-1000	4453.14
25100	10	24	7/32	.25	602-25100-500	2735.79	602-25100-1000	5050.59
25196	6	22	7/30	.23	602-25196-500	2295.25	602-25196-1000	4237.52
Insulation Thickness: 0.017"								
25464	4	20	7/28	.24	602-25464-500	1851.78	602-25464-1000	2952.43
25468	8	20	7/28	.31	602-25468-500	3036.90	602-25468-1000	5606.98
25382	2	18	16/30	.23	602-25382-500	1560.53	602-25382-1000	2881.28
25384	4	18	16/30	.26	602-25384-500	2419.66	602-25384-1000	4467.20
25388	8	18	16/30	.33	602-25388-500	4588.16	602-25388-1000	8470.69
25362	2	16	19/.0117	.25	602-25362-500	2089.34	602-25362-1000	3857.07
25363	3	16	19/.0117	.27	602-25363-500	2660.48	602-25363-1000	4911.94

ALPHA WIRE XTRA-GUARD® Flexible Control Cable

MULTICONDUCTOR, UNSHIELDED STANDARD-FLEX CONTROL CABLE



Features:
- Outstanding Oil and Chemical Resistance
- Ease of Installation
- Not for use in High-Flex Applications

Characteristics:
- Operating Temperature: -5°C to 90°C
- Voltage Ratings: 600V
- Conductor: Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Jacket: Oil Resistant PVC

Specifications:
- UL AWM Style 2587
- Jacket Meets VDE 0472, Section 803 Oil Test
- Bend Radius: 5X Cable Diameter

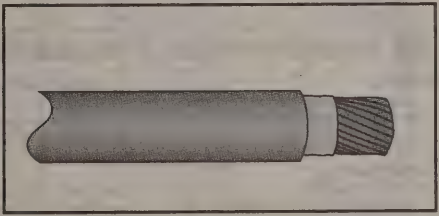
Applications:
- Increased Flexibility
- Machine Tools
- CNC Machine Centers
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex

Alpha Part No.	No. of Cond.	Conductor		Insulation Thickness	Nom. O.D.(In.)	100' Spools		500' Spools		1000' Spools	
		AWG	Strand			MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
65002	2	20	10x30	.022	.230	602-65002	100.17	602-65002-500	366.84	602-65002-1000	560.00
65003	3	20	10x30	.022	.240	602-65003	115.35	602-65003-500	416.81	602-65003-1000	611.27
65004	4	20	10x30	.022	.260	- - -	- - -	602-65004-500	463.80	602-65004-1000	689.03
65005	5	20	10x30	.022	.290	602-65005	145.79	602-65005-500	560.47	602-65005-1000	834.72
65007	7	20	10x30	.022	.310	602-65007	207.93	602-65007-500	798.54	602-65007-1000	1185.58
65009	9	20	10x30	.022	.410	602-65009	420.05	602-65009-500	1613.95	602-65009-1000	2386.42
65012	12	20	10x30	.022	.420	602-65012	453.26	602-65012-500	1740.40	602-65012-1000	2584.18
65018	18	20	10x30	.022	.510	602-65018	680.17	602-65018-500	2607.10	602-65018-1000	3886.21
65025	25	20	10x30	.022	.590	602-65025	1016.37	602-65025-500	3902.13	602-65025-1000	5906.65
65802	2	18	16x30	.022	.250	602-65802	109.62	602-65802-500	420.77	602-65802-1000	623.27
65803	3	18	16x30	.022	.260	602-65803	132.74	602-65803-500	509.42	602-65803-1000	754.24
65804	4	18	16x30	.022	.285	602-65804	173.24	602-65804-500	667.47	602-65804-1000	992.25
65805	5	18	16x30	.022	.310	602-65805	219.41	602-65805-500	845.90	602-65805-1000	1256.91
65807	7	18	16x30	.022	.340	602-65807	317.81	602-65807-500	1225.61	602-65807-1000	1821.15
65809	9	18	16x30	.022	.445	602-65809	489.62	602-65809-500	1889.69	602-65809-1000	2800.33
65812	12	18	16x30	.022	.460	602-65812	575.45	602-65812-500	2455.70	602-65812-1000	3314.57
65818	18	18	16x30	.022	.550	602-65818	802.53	602-65818-500	3087.93	602-65818-1000	4596.60
65825	25	18	16x30	.022	.635	602-65825	1131.28	602-65825-500	4353.24	602-65825-1000	6483.16
65834	34	18	16x30	.022	.750	602-65834	1625.52	602-65834-500	6256.31	602-65834-1000	9316.87
65841	41	18	16x30	.022	.810	602-65841	1932.42	602-65841-500	7437.37	602-65841-1000	11075.78
65602	2	16	26x30	.022	.275	602-65602	166.61	602-65602-500	639.90	602-65602-1000	944.97
65603	3	16	26x30	.022	.290	602-65603	216.99	602-65603-500	833.62	602-65603-1000	1242.85
65604	4	16	26x30	.022	.315	602-65604	281.02	602-65604-500	1061.83	602-65604-1000	1605.06
65605	5	16	26x30	.022	.350	602-65605	352.44	602-65605-500	1354.77	602-65605-1000	2018.09
65607	7	16	26x30	.022	.380	602-65607	484.89	602-65607-500	1866.19	602-65607-1000	2778.82
65609	9	16	26x30	.022	.510	602-65609	762.94	602-65609-500	2929.40	602-65609-1000	4358.52
65612	12	16	26x30	.022	.530	602-65612	875.24	602-65612-500	3365.54	602-65612-1000	5014.50
65618	18	16	26x30	.022	.620	602-65618	1277.27	602-65618-500	4914.97	602-65618-1000	7328.33
65625	25	16	26x30	.022	.750	602-65625	1725.41	602-65625-500	6638.44	602-65625-1000	9896.22
65641	41	16	26x30	.022	.940	602-65641	2847.72	602-65641-500	10960.69	602-65641-1000	16336.88
65402	2	14	41x30	.022	.325	602-65402	271.19	602-65402-500	1040.89	602-65402-1000	1547.51
65403	3	14	41x30	.022	.345	602-65403	341.86	602-65403-500	1314.60	602-65403-1000	1957.01
65404	4	14	41x30	.022	.400	602-65404	406.63	602-65404-500	1564.18	602-65404-1000	2332.86
65405	5	14	41x30	.022	.430	602-65405	509.57	602-65405-500	1960.16	602-65405-1000	2925.31
65407	7	14	41x30	.022	.470	602-65407	774.68	602-65407-500	2981.76	602-65407-1000	4436.13
65409	9	14	41x30	.022	.615	602-65409	1181.22	602-65409-500	4541.73	602-65409-1000	6760.17
65412	12	14	41x30	.022	.660	602-65412	1291.31	602-65412-500	4971.52	602-65412-1000	7400.07
65418	18	14	41x30	.022	.770	602-65418	1996.27	602-65418-500	7686.92	602-65418-1000	11442.07
65425	25	14	41x30	.022	.945	602-65425	2605.82	602-65425-500	10035.88	602-65425-1000	14937.01

MULTICONDUCTOR, UNSHIELDED HIGH-FLEX CONTROL CABLE



Features:
- Outstanding Oil and Chemical Resistance
- Extra Flexibility and Durability for Continuous Motion
- Extended Flex Life

Characteristics:
- Operating Temperature: -5°C to 90°C
- Voltage Ratings: 600V
- Conductor: Super Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Jacket: Oil Resistant PVC

Specifications:
- UL AWM Style 2587
- Jacket Meets VDE 0472, Section 803 Oil Test
- Passes MIL-C 13777G Flexlife Test
- Bend Radius: 8X Cable Diameter

Applications:
- Robotics
- Assembly
- Installation in Cable Track
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

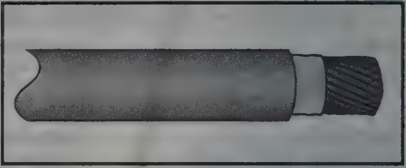
Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex

Alpha Part No.	No. of Cond.	Conductor		Insulation Thickness	Nom. O.D.(In.)	100' Spools		500' Spools		1000' Spools	
		AWG	Strand			MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
85004	4	20	65x38	.022	.287	602-85004	552.14	602-85004-500	2043.34	602-85004-1000	3095.87
85005	5	20	65x38	.022	.319	602-85005	613.01	602-85005-500	2269.32	602-85005-1000	3436.94
85007	7	20	65x38	.022	.368	602-85007	901.98	602-85007-500	3339.26	602-85007-1000	5063.37
85012	12	20	65x38	.022	.454	602-85012	1489.23	602-85012-500	5513.94	602-85012-1000	6777.69
85018	18	20	65x38	.022	.535	602-85018	1916.69	602-85018-500	7100.40	602-85018-1000	10950.32
85025	25	20	65x38	.022	.666	602-85025	2731.07	602-85025-500	10119.14	602-85025-1000	15651.76
85034	34	20	65x38	.022	.733	602-85034	3248.43	602-85034-500	14887.05	602-85034-1000	19523.98
85803	3	18	15x38	.022	.286	602-85803	607.47	602-85803-500	2246.91	602-85803-1000	3405.95
85804	4	18	15x38	.022	.310	602-85804	727.53	602-85804-500	2692.38	602-85804-1000	4082.95
85805	5	18	15x38	.022	.337	602-85805	807.53	602-85805-500	2990.44	602-85805-1000	4536.55
85807	7	18	15x38	.022	.407	602-85807	1269.28	602-85807-500	4702.90	602-85807-1000	7133.33
85812	12	18	15x38	.022	.502	602-85812	1977.75	602-85812-500	7325.52	602-85812-1000	11112.01
85815	15	18	15x38	.022	.553	602-85815	2218.08	602-85815-500	8220.00	602-85815-1000	12460.59
85818	18	18	15x38	.022	.583	602-85818	2485.09	602-85818-500	9206.62	602-85818-1000	13970.56
85825	25	18	15x38	.022	.722	602-85825	3491.13	602-85825-500	12936.57	602-85825-1000	19627.50
85834	34	18	15x38	.022	.799	602-85834	4150.58	602-85834-500	15382.10	602-85834-1000	23356.99
85603	3	16	168x38	.022	.325	602-85603	828.06	602-85603-500	3067.77	602-85603-1000	4651.73
85604	4	16	168x38	.022	.354	602-85604	974.32	602-85604-500	3610.84	602-85604-1000	5477.67
85605	5	16	168x38	.022	.387	602-85605	1224.89	602-85605-500	4537.13	602-85605-1000	6889.43
85607	7	16	168x38	.022	.456	602-85607	1828.10	602-85607-500	6772.65	602-85607-1000	10278.23
85612	12	16	168x38	.022	.567	602-85612	2904.52	602-85612-500	10764.86	602-85612-1000	16337.83

ALPHA WIRE XTRA-GUARD® Flexible Control Cable

MULTICONDUCTOR , UNSHIELDED HIGH-FLEX CONTROL CABLE (CONT.)



Features:
- Outstanding Oil and Chemical Resistance
- Extra Flexibility and Durability for Continuous Motion
- Extended Flex Life

Specifications:
- UL AWM Style 2587
- Jacket Meets VDE 0472, Section 803 Oil Test
- Passes MIL-C 13777G Flexlife Test
- Bend Radius: 8X Cable Diameter

Characteristics:
- Operating Temperature: -5°C to 90°C
- Voltage Ratings: 600V
- Conductor: Super Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Jacket: Oil Resistant PVC

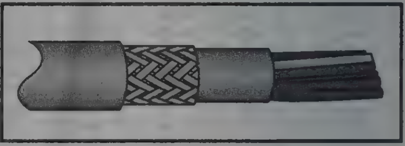
Applications:
- Robotics
- Assembly
- Installation in Cable Track
- Data Processing Equipment
- Automation Equipment
- Material Handling Equipment

Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex

Alpha Part No.	No. of Cond.	Conductor		Insulation Thickness	Nom. O.D.(In.)	100' Spools		500' Spools		1000' Spools	
		AWG	Strand			MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
85618	18	16	168x38	.022	.662	602-85618	4096.93	602-85618-500	15185.56	602-85618-1000	23061.46
85625	25	16	168x38	.022	.833	602-85625	5726.85	602-85625-500	21224.50	602-85625-1000	32234.15
85634	34	16	168x38	.022	.924	602-85634	7613.41	602-85634-500	28223.31	602-85634-1000	42866.26
85404	4	14	266x38	.022	.425	602-85404	1197.70	602-85404-500	4441.03	602-85404-1000	6743.99
85407	7	14	266x38	.022	.571	602-85407	2586.03	602-85407-500	9589.75	602-85407-1000	14553.96

MULTICONDUCTOR, SHIELDED STANDARD-FLEX CONTROL CABLE



Features:
- Outstanding Oil and Chemical Resistance
- Ease of Installation
- Not for use in High-Flex Applications

Specifications:
- UL AWM Style 2587
- Jacket Meets VDE 0472, Section 803 Oil Test
- Bend Radius: 8X Cable Diameter

Characteristics:
- Operating Temperature: -5°C to 90°C
- Voltage Ratings: 600V
- Conductor: Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Outer Jacket: Oil Resistant PVC

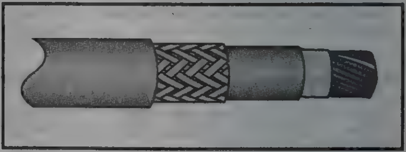
Applications:
- Increased Flexibility
- Machine Tools
- Data Processing Equipment
- Automation Equipment

Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex

Alpha Part No.	No. of Cond.	Conductor		Insulation Thickness	Nom. O.D.(In.)	100' Spools		500' Spools		1000' Spools	
		AWG	Strand			MOUSER STOCK NO.	Price Per 100'	MOUSER STOCK NO.	Price Per 500'	MOUSER STOCK NO.	Price Per 1000'
65003CY	3	20	10x30	.022	.320	602-65003CY	478.21	602-65003CY-500	1733.37	602-65003CY-1000	2748.92
65007CY	7	20	10x30	.022	.385	602-65007CY	660.35	602-65007CY-500	3015.14	602-65007CY-1000	3770.69
65012CY	12	20	10x30	.022	.500	602-65012CY	980.49	602-65012CY-500	5055.42	602-65012CY-1000	5655.18
65025CY	25	20	10x30	.022	.685	602-65025CY	1715.24	602-65025CY-500	6372.43	602-65025CY-1000	10023.19
65803CY	3	18	16x30	.022	.340	602-65803CY	816.59	602-65803CY-500	3133.17	602-65803CY-1000	4633.04
65804CY	4	18	16x30	.022	.360	602-65804CY	870.43	602-65804CY-500	3681.30	602-65804CY-1000	5451.88
65805CY	5	18	16x30	.022	.400	602-65805CY	1041.74	602-65805CY-500	3996.83	602-65805CY-1000	5921.02
65807CY	7	18	16x30	.022	.420	602-65807CY	1187.81	602-65807CY-500	4557.58	602-65807CY-1000	6750.48
65812CY	12	18	16x30	.022	.550	602-65812CY	1764.16	602-65812CY-500	8990.54	602-65812CY-1000	10036.35
65818CY	18	18	16x30	.022	.640	602-65818CY	2254.88	602-65818CY-500	8658.47	602-65818CY-1000	12840.39
65825CY	25	18	16x30	.022	.750	602-65825CY	2917.35	602-65825CY-500	11202.29	602-65825CY-1000	16623.53
65603CY	3	16	26x30	.022	.375	602-65603CY	935.08	602-65603CY-500	3587.99	602-65603CY-1000	5317.44
65604CY	4	16	26x30	.022	.400	602-65604CY	1104.63	602-65604CY-500	4238.18	602-65604CY-1000	6278.52
65605CY	5	16	26x30	.022	.435	602-65605CY	1193.62	602-65605CY-500	4580.05	602-65605CY-1000	6786.09
65607CY	7	16	26x30	.022	.465	602-65607CY	1375.95	602-65607CY-500	5281.30	602-65607CY-1000	7828.94
65612CY	12	16	26x30	.022	.625	602-65612CY	2126.86	602-65612CY-500	8166.81	602-65612CY-1000	12126.46
65618CY	18	16	26x30	.022	.745	602-65618CY	2855.56	602-65618CY-500	10969.32	602-65618CY-1000	16297.95
65625CY	25	16	26x30	.022	.880	602-65625CY	3843.29	602-65625CY-500	14768.17	602-65625CY-1000	21955.07
65403CY	3	14	41x30	.022	.430	602-65403CY	1138.49	602-65403CY-500	4370.36	602-65403CY-1000	6478.60
65404CY	4	14	41x30	.022	.470	602-65404CY	1328.77	602-65404CY-500	5100.00	602-65404CY-1000	7566.49
65405CY	5	14	41x30	.022	.520	602-65405CY	1392.96	602-65405CY-500	5350.11	602-65405CY-1000	7935.32
65407CY	7	14	41x30	.022	.565	602-65407CY	1846.30	602-65407CY-500	7094.30	602-65407CY-1000	10537.43

MULTICONDUCTOR , SHIELDED HIGH-FLEX CONTROL CABLE



Features:
- Outstanding Oil and Chemical Resistance
- Extra Flexibility and Durability for Continuous Motion

Characteristics:
- Operating Temperature: -5°C to 90°C
- Voltage Ratings: 600V
- Conductor: Super Finely Stranded Bare Copper
- Insulation: Lubricated PVC
- Outer Jacket: Oil Resistant PVC

Specifications:
- UL AWM Style 2587
- Jacket Meets VDE 0472, Section 803 Oil Test
- Passes MIL-C 13777G Flexlife Test
- Bend Radius: 10X Cable Diameter

Applications:
- Data Processing Equipment
- Automation Equipment

Recommend Heat Shrink FIT650

Recommend Heat Shrink FITFlex

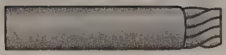
85003CY	3	20	65x38	.022	.353	602-85003CY	1028.32	602-85003CY-500	3810.35	602-85003CY-1000	5770.25
85004CY	4	20	65x38	.022	.374	602-85004CY	1091.41	602-85004CY-500	4043.37	602-85004CY-1000	6130.53
85005CY	5	20	65x38	.022	.416	602-85005CY	1141.75	602-85005CY-500	4231.96	602-85005CY-1000	6664.08
85007CY	7	20	65x38	.022	.471	602-85007CY	1728.46	602-85007CY-500	6406.85	602-85007CY-1000	9712.31
85010CY	10	20	65x38	.022	.551	602-85010CY	2021.87	602-85010CY-500	7497.03	602-85010CY-1000	11376.20
85012CY	12	20	65x38	.022	.567	602-85012CY	2470.02	602-85012CY-500	9159.09	602-85012CY-1000	10885.38
85018CY	18	20	65x38	.022	.658	602-85018CY	3060.09	602-85018CY-500	11347.79	602-85018CY-1000	17934.93
85025CY	25	20	65x38	.022	.791	602-85025CY	3682.80	602-85025CY-500	13659.68	602-85025CY-1000	21874.60
85803CY	3	18	105x38	.022	.373	602-85803CY	1164.93	602-85803CY-500	4317.15	602-85803CY-1000	6547.61
85804CY	4	18	105x38	.022	.407	602-85804CY	1319.68	602-85804CY-500	4891.98	602-85804CY-1000	7420.43
85805CY	5	18	105x38	.022	.444	602-85805CY	1402.13	602-85805CY-500	5198.49	602-85805CY-1000	7889.40
85807CY	7	18	105x38	.022	.520	602-85807CY	1839.81	602-85807CY-500	6823.73	602-85807CY-1000	10353.99
85812CY	12	18	105x38	.022	.625	602-85812CY	2614.13	602-85812CY-500	9697.23	602-85812CY-1000	14997.66
85818CY	18	18	105x38	.022	.708	602-85818CY	3268.60	602-85818CY-500	12126.57	602-85818CY-1000	18794.71
85825CY	25	18	105x38	.022	.867	602-85825CY	4264.08	602-85825CY-500	15823.78	602-85825CY-1000	24044.16
85603CY	3	16	166x38	.022	.422	602-85603CY	2038.98	602-85603CY-500	6391.39	602-85603CY-1000	9688.65
85604CY	4	16	168x38	.022	.461	602-85604CY	1823.44	602-85604CY-500	6759.63	602-85604CY-1000	10253.91
85605CY	5	16	168x38	.022	.500	602-85605CY	1850.48	602-85605CY-500	6861.81	602-85605CY-1000	10411.33
85607CY	7	16	168x38	.022	.599	602-85607CY	2519.71	602-85607CY-500	9346.03	602-85607CY-1000	14188.21
85612CY	12	16	168x38	.022	.702	602-85612CY	3668.38	602-85612CY-500	13606.02	602-85612CY-1000	20658.59
85618CY	18	16	168x38	.022	.797	602-85618CY	4870.32	602-85618CY-500	18070.81	602-85618CY-1000	27458.82
85625CY	25	16	168x38	.022	.962	602-85625CY	6511.08	602-85625CY-500	24146.94	602-85625CY-1000	36631.03
85404CY	4	14	266x38	.022	.538	602-85404CY	2386.48	602-85404CY-500	8847.72	602-85404CY-1000	13433.20
85407CY	7	14	266x38	.022	.676	602-85407CY	3586.71	602-85407CY-500	13299.48	602-85407CY-1000	20187.46

ALPHA WIRE Hook-up Wire

UL1007 PVC INSULATION

COLOR CODE CHART
Colors = Ordering Suffix

White = 01	Red = 03	Yellow = 05	Brown = 07	Gray = 09
Black = 02	Green = 04	Blue = 06	Orange = 08	Violet = 10



- Temperature Voltage: 40°C to 80°C (UL AWM 1007)
- Voltage Rating: 300V

100' Spools — 1000' Spools

Alpha Part No.	Conductor		Nominal O.D. (In.)	MOUSER STOCK NO.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
Solid Conductor									
3050/1	24	Solid	0.057	602-3050/1-100-__	19.08	17.76	602-3050/1-1000-__	61.33	58.10
3051/1	22	Solid	0.065	602-3051/1-100-__	21.85	19.97	602-3051/1-1000-__	93.55	88.05
3053/1	20	Solid	0.071	602-3053/1-100-	25.10	23.57	602-3053/1-1000-	123.98	116.23
Stranded Conductor									
3047	30	7/38	0.043	602-3047-100-__	23.27	21.77	602-3047-1000-__	119.70	105.80
3048	28	7/36	0.047	602-3048-100-__	22.52	19.94	602-3048-1000-__	105.70	93.95
3049	26	7/34	0.051	602-3049-100-__	17.54	15.73	602-3049-1000-__	101.15	93.92
3050	24	7/32	0.057	602-3050-100-__	21.62	19.00	602-3050-1000-__	97.42	91.12
3051	22	7/30	0.065	602-3051-100-__	23.83	22.29	602-3051-1000-__	118.85	108.07
3053	20	10/30	0.071	602-3053-100-__	26.31	23.84	602-3053-1000-__	157.52	147.00
3055	18	16/30	0.080	602-3055-100-__	36.43	34.16	602-3055-1000-__	205.25	192.44
3057	16	26/30	0.095	602-3057-100-__	48.92	45.00	602-3057-1000-__	309.27	280.31

UL1015 PVC INSULATION

- Temperature Voltage: -20°C to 105°C
- Voltage Rating: 600V

100' Spools — 1000' Spools

3070	24	7/32	0.088	602-3070-100-__	23.57	22.00	602-3070-1000-__	138.40	128.52
3071	22	7/30	0.094	602-3071-100-__	24.53	23.00	602-3071-1000-__	143.85	133.95
3073	20	10/30	0.100	602-3073-100-__	30.07	28.00	602-3073-1000-__	172.43	155.17
3075	18	16/30	0.112	602-3075-100-__	41.93	39.04	602-3075-1000-__	226.25	198.80
3077	16	26/30	0.124	602-3077-100-__	53.18	49.64	602-3077-1000-__	325.49	303.77
3079	14	41/30	0.134	602-3079-100-__	82.38	76.90	602-3079-1000-__	422.02	388.73
3080	12	65/30	0.162	602-3080-100-*	134.65	129.80	602-3080-1000-__	698.35	650.75
3081	10	105/30	0.180	602-3081-100-*	204.35	196.80	- - - - - - - - - - -	- - - -	- - - -

* Not available in all colors

UL1429 SOLDER IRON RESISTANT IRRADIATED PVC INSULATION

- Operating Temperature: -55°C to 105°C (CSA AWM I A/B FT1) -55°C to 105°C (MIL-W-I6878E); -55°C to 80°C (UL AWM 1429)
- Voltage Rating: 150V

100' Spools — 1000' Spools

7053	26	7/34	0.040	602-7053-100-__	30.40	29.60	602-7053-1000-__	136.75	130.95
7054	24	7/32	0.045	602-7054-100-__	31.33	29.17	602-7054-1000-__	166.35	151.25
7055	22	7/30	0.051	602-7055-100-*	45.00	42.63	602-7055-1000-__	173.45	157.70
7056	20	7/28	0.059	602-7056-100-__	49.98	47.70	602-7056-1000-__	193.60	188.88
7057	18	7/26	0.070	602-7057-100-*	51.85	49.93	602-7057-1000-*	300.88	270.05

* Not available in all colors

MIL-W-16878E PVC INSULATION

- Temperature Voltage: -55°C to 105°C
- Voltage Rating: 600V

100' Spools — 1000' Spools

Stranded Conductor									
1852	28	7/36	0.034	602-1852-100-__	24.98	23.54	602-1852-1000-__	122.41	109.12
1853	26	7/34	0.038	602-1853-100-__	24.00	22.26	602-1853-1000-__	134.97	117.62
1854	24	7/32	0.043	602-1854-100-__	28.35	25.20	602-1854-1000-__	112.57	110.45
1854/19	24	19/36	0.043	602-1854/19-100-__	42.40	37.98	602-1854/19-1000-__	157.34	154.79
1855	22	7/30	0.050	602-1855-100-__	30.47	29.73	602-1855-1000-__	136.58	121.32
1855/19	22	19/34	0.050	602-1855/19-100-__	55.91	51.15	602-1855/19-1000-__	155.22	152.70
1856	20	7/28	0.058	602-1856-100-__	35.42	32.40	602-1856-1000-__	164.95	158.50
1856/19	20	19/32	0.058	602-1856/19-100-__	55.07	49.33	602-1856/19-1000-__	194.30	186.71
1857	18	7/26	0.068	602-1857-100-__	41.82	37.93	602-1857-1000-__	261.96	257.71
1857/19	18	19/30	0.068	602-1857/19-100-__	79.22	72.02	602-1857/19-1000-__	269.40	263.38
1858/19	16	19/29	0.077	602-1858/19-100-__	53.49	48.51	602-1858/19-1000-__	313.59	308.42
1859/19	14	19/27	0.091	602-1859/19-100-__	108.82	96.48	602-1859/19-1000-__	380.82	374.65

MIL-W-16878E TFE TEFLON® INSULATION

- Temperature Voltage: -60°C to 200°C
- Voltage Rating: 250V

100' Spools — 1000' Spools

2840/7	32	7/40	0.021	602-2840/7-100-__	29.97	27.58	602-2840/7-1000-__	226.48	220.20
2841/7	30	7/38	0.024	602-2841/7-100-__	36.49	35.25	602-2841/7-1000-__	226.85	212.35
2841/1	30	Solid	0.022	602-2841/1-100-__	53.45	50.39	602-2841/1-1000-__	285.20	264.80
2842/7	28	7/36	0.027	602-2842/7-100-__	48.39	44.60	602-2842/7-1000-__	232.15	216.70
2842/1	28	Solid	0.025	602-2842/1-100-__	58.80	55.50	602-2842/1-1000-__	256.68	248.13
2843/7	26	7/34	0.031	602-2843/7-100-__	32.94	29.83	602-2843/7-1000-__	295.45	286.75
2843/19	26	19/38	0.032	602-2843/19-100-__	48.18	43.36	602-2843/19-1000-__	331.15	324.10
2843/1	26	Solid	0.028	602-2843/1-100-__	56.00	54.25	602-2843/1-1000-__	297.80	288.50
2844/19	24	19/36	0.037	602-2844/19-100-__	43.45	38.71	602-2844/19-1000-__	335.10	301.55
2845/19	22	19/34	0.044	602-2845/19-100-__	52.02	45.85	602-2845/19-1000-__	390.20	359.60

UL 1213 TFE TEFLON® INSULATION

- Temperature Voltage: -60°C to 200°C (UL 105°C)
- Voltage Rating: 600V

100' Spools — 1000' Spools

Solid Conductor									
2853/1	26	- - -	0.036	602-2853/1-100-___	58.55	52.22	602-2853/1-1000-___	360.42	340.28
2854/1	24	- - -	0.040	602-2854/1-100-___	40.98	35.33	602-2854/1-1000-___	447.59	417.58
2855/1	22	- - -	0.045	602-2855/1-100-*	74.45	72.12	602-2855/1-1000-___	512.51	504.06
2856/1	20	- - -	0.052	602-2856/1-100-*	82.90	75.00	602-2856/1-1000-*	710.59	699.06
2857/1	18	- - -	0.060	602-2857/1-100-*	236.25	200.80	602-2857/1-1000-*	1944.12	1813.79
Stranded Conductor									
5852	28	7/36	0.036	602-5852-100-___	42.24	39.22	602-5852-1000-___	261.88	247.25
5853	26	7/34	0.040	602-5853-100-___	39.65	37.44	602-5853-1000-___	281.57	270.56
5854	24	19/36	0.045	602-5854-100-___	59.08	56.05	602-5854-1000-___	347.69	335.20
5854/7	24	7/32	0.044	602-5854/7-100-___	46.87	44.03	602-5854/7-1000-___	296.36	264.19
5855	22	19/34	0.051	602-5855-100-___	51.29	48.91	602-5855-1000-___	378.94	357.77
5855/7	22	7/30	0.055	602-5855/7-100-___	68.96	64.79	602-5855/7-1000-___	427.16	407.29
5856	20	19/32	0.059	602-5856-100-___	70.21	66.61	602-5856-1000-___	558.42	540.31
5857	18	19/30	0.070	602-5857-100-___	119.80	111.80	602-5857-1000-___	786.51	743.30
5858	16	19/29	0.077	602-5858-100-___	145.99	136.25	602-5858-1000-___	958.87	921.99
5859	14	19/27	0.094	602-5859-100-*	171.25	163.30	602-5859-1000-*	1425.24	1286.57

* Not available in all colors

UL 1180 TFE TEFLON® INSULATION

- Temperature Voltage: -60°C to 200°C
- Voltage Rating: 1000V

100' Spools — 1000' Spools

Stranded Conductor									
5874	24	19/36	0.052	602-5874-100-___	58.99	55.97	602-5874-1000-___	456.18	438.64
5875	22	19/34	0.059	602-5875-100-___	79.36	75.67	602-5875-1000-___	509.79	489.86
5876	20	19/32	0.067	602-5876-100-___	83.78	79.48	602-5876-1000-___	680.97	644.94
5877	18	19/30	0.078	602-5877-100-___	139.20	130.22	602-5877-1000-___	923.98	894.02

ALPHA WIRE Hook-up and Bus Bar Wire

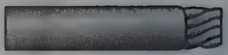
HOOK-UP WIRE

MIL-W-76B Type MW PVC Insulation

COLOR CODE CHART Colors = Ordering Suffix

White = 01	Red = 03	Yellow = 05	Brown = 07	Gray = 09
Black = 02	Green = 04	Blue = 06	Orange = 08	Violet = 10

* Not available in all colors



- Temperature Voltage: -40°C to 80°C
- Voltage Rating: 1000V

Alpha Part No.	Conductor		Nominal O.D. (In.)	100' Spools			1000' Spools		
				MOUSER STOCK NO.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
1550	24	7/32	.059	602-1550-100-___	18.75	17.65	602-1550-1000-___	104.75	97.10
1551	22	7/30	.064	602-1551-100-___	22.69	21.35	602-1551-1000-___	124.40	111.18
1553	20	10/30	.068	602-1553-100-___	26.06	23.95	602-1553-1000-___	146.27	131.35
1555	18	16/30	.078	602-1555-100-___	35.93	32.67	602-1555-1000-___	195.30	182.28
1557	16	26/30	.092	602-1557-100-___	47.10	44.33	602-1557-1000-___	293.64	274.90
1559	14	41/30	.101	602-1559-100-___	83.41	74.14	602-1559-1000-___	543.63	485.79
1560	12	65/30	.125	602-1560-100-___	128.17	124.29	602-1560-1000-___	970.00	831.49
1561/24	24	Solid	.055	602-1561/24-100-*	20.11	19.06	602-1561/24-1000-___	108.13	105.60
1561	22	Solid	.060	602-1561-100-___	21.94	19.06	602-1561-1000-___	117.42	105.43
1563	20	Solid	.066	602-1563-100-*	22.50	21.38	602-1563-1000-___	155.15	139.63
1565	18	Solid	.074	602-1565-100-*	49.73	46.18	602-1565-1000-___	269.05	230.64

UL1430 Irradiated PVC Insulation

- Temperature Voltage: -55°C to 105°C
- Voltage Rating: 300V

Alpha Part No.	Conductor		Nominal O.D. (In.)	100' Spools			1000' Spools		
				MOUSER STOCK NO.	Spool Price		MOUSER STOCK NO.	Spool Price	
	AWG	Strand			1	5		1	5
7130	24	7/32	.056	602-7130-100-___	63.22	59.00	602-7130-1000-___	229.75	217.33
7131	22	7/30	.062	602-7131-100-*	68.40	63.84	602-7131-1000-*	241.12	229.60
7132	20	7/28	.070	602-7132-100-___	77.19	72.04	602-7132-1000-___	327.15	317.80
7133	18	7/26	.082	602-7133-100-___	87.70	81.86	602-7133-1000-___	298.33	288.86
7134	16	19/29	.092	602-7134-100-___	128.00	123.41	602-7134-1000-___	395.18	384.22

Kynar® Insulation for Wire Wrap (UL 1422, UL1423)

Wire wrapping is an automatic or semi-automatic termination method generally used in large scale wiring of computer backpanels. It involves the helical wrapping of a solid conductor around a rectangular post under controlled tension. Alpha Kynar® wire wrap is manufactured with Silver-Plated OFHC (Oxygen-Free High Conductivity) conductor.

COLOR CODE CHART Colors = Ordering Suffix

White = 01	Red = 03	Yellow = 05	Brown = 07	Gray = 09
Black = 02	Green = 04	Blue = 06	Orange = 08	Violet = 10

MOUSER STOCK NO.	Alpha Part No.	AWG Size	Nominal OD (In.)	1000' Spool	
				1	5
602-5951-1000-___	5951	30	.020	312.08	297.85
602-5952-1000-___	5952	28	.024	303.12	291.45
602-5953-1000-___	5953	26	.027	352.00	336.70
602-5954-1000-___	5954	24	.030	499.15	465.85

Tefzel® Insulation for Wire Wrap (UL 1516, UL1523)

- Solid Silver Plated OFHC (Oxygen-Free High Conductivity) conductor.
- Color-Coded Tefzel® (Ethylene-Tetrafluoroethylene Copolymer)
- High abrasion, heat and cut-through resistance.

COLOR CODE CHART Colors = Ordering Suffix

White = 01	Red = 03	Yellow = 05	Brown = 07	Gray = 09
Black = 02	Green = 04	Blue = 06	Orange = 08	Violet = 10

* Not available in all colors

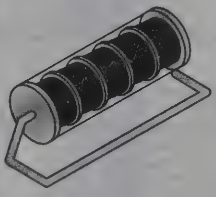
Alpha Part No.	AWG Size	Nominal OD (In.)	100' Spools		1000' Spools	
			MOUSER STOCK NO.	Spool Price	MOUSER STOCK NO.	Spool Price
1805	30	.020	602-1805-100-___	138.78	602-1805-1000-___	772.50
1806	28	.024	602-1806-100-*	134.56	602-1806-1000-___	663.63
1807	26	.027	602-1807-100-___	176.14	602-1807-1000-___	896.00
1808	24	.030	602-1808-100-*	178.45	602-1808-1000-___	1012.00

HOOK-UP WIRE KITS

Hook-Up Wire Kits contain an assortment of 100' spools suitable for military or UL/CSA applications. Each kit contains five spools of stranded hook-up wire in a unique, rack-mounted, transparent dispensing tube. The tube and rack system keeps hook-up wire neat, clean, and conveniently at hand.

Features:

- Operating Temperature: -40°C to 105°C
- Voltage Rating: 300V
- Includes cut and strip tool
- Five assorted hook-up wire colors: White, Black, Red, Green, and Blue



MOUSER STOCK NO.	Alpha Part No.	AWG Size	Price Each
602-HU-KIT-20	HU-KIT-20	22	191.16
602-HU-KIT-40	HU-KIT-40	24	191.16

BUS BAR WIRE

- Solid Tin Plated Copper
- QQ-W-343 Type S

Alpha Part No.	Cond. AWG	Dia. (In.)	100' Spools		
			MOUSER STOCK NO.	Spool Price	
				1	5
299/3	30	.01	602-299/3-100	30.33	29.49
299/2	28	.013	602-299/2-100	30.33	29.49
299/1	26	.016	602-299/1-100	31.04	30.01
299	24	.02	602-299-100	32.13	31.06
298	22	.025	602-298-100	32.58	30.06
297	20	.032	602-297-100	40.09	38.76
296	18	.04	602-296-100	52.31	50.58
295	16	.051	602-295-100	79.91	77.26
286	14	.064	602-286-100	117.18	113.93
289	12	.081	602-289-100	172.62	167.83

BELDEN Hook-up Wire

BELDEN PVC INSULATED HOOK-UP WIRE

PVC Hook-up Wire is Tinned Copper conducted and is PVC insulated. It is also flame and ozone resistant, as well as being inert to most chemicals, oils and solvents.

COLOR CODE CHART

Colors=Ordering Suffix

Brown=01
Red=02
Orange=03
Yellow=04
Green=05
Lt. Blue=06
Violet=07
Gray=08
White=09
Black=10
Tan=11
Pink=12
Dk. Blue=13

(Type B) MIL-W-16878/1-PVC (600V, 105°C)

To order replace __ with applicable code for color desired.

Belden Part No.	Conductor		Nominal O.D. (In.)	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 1000' Spool
	AWG	Stranded							
8500	16	19x29	.079	566-8500-100-___	01-10	51.18	566-8500-1000-___	01, 02, 05, 09, 10	381.72
8501	18	7x26	.068	566-8501-100-___	01-10	40.92	566-8501-1000-___	02, 06, 09, 10	297.87
8502	20	7x28	.058	566-8502-100-___	01-10	37.54	566-8502-1000-___	01-06, 08-10	226.76
8503	22	7x30	.050	566-8503-100-___	01-10	28.97	566-8503-1000-___	04, 08-10	181.46
8504	24	7x32	.044	566-8504-100-___	01-10	26.54	566-8504-1000-___	01-05, 08-10	166.08
8505	26	7x34	.039	566-8505-100-___	01-10	25.92	566-8505-1000-___	01-10	175.08

(Type MW) MIL-W-76C-PVC (1000V, 80°C)

8527	12	65x30	.128	566-8527-100-___	01-10	122.76	-----------	-----	-----
8520	14	41x30	.111	566-8520-100-___	01-10	83.99	566-8520-1000-___	02,10	690.07
8521	16	26x30	.098	566-8521-100-___	01-10	58.12	566-8521-1000-___	02, 03, 05, 06, 09, 10	418.01
8522	18	16x30	.080	566-8522-100-___	01-10	36.17	566-8522-1000-___	01-07, 10	258.73
8523	20	10x30	.070	566-8523-100-___	01-10	34.84	566-8523-1000-___	02-10	220.01
8529	20	Solid	.066	566-8529-100-___	01-10	30.27	566-8529-1000-___	02	194.99
8524	22	7x30	.064	566-8524-100-___	01-10	28.73	566-8524-1000-___	02-08, 10	191.89
8530	22	Solid	.059	566-8530-100-___	01-10	25.96	566-8530-1000-___	02, 04	158.49
8525	24	7x32	.058	566-8525-100-___	01-10	25.54	566-8525-1000-___	02, 06, 08, 10	161.37

UL AWM Style 1061 (300V, 80°C)

9984	24	7x32	.044	566-9984-100-___	01-05, 07-10	23.82	566-9984-1000-___	01-05, 10	152.97
9975	24	Solid	.040	566-9975-100-___	01-05, 07-10	15.53	566-9975-1000-___	10	99.88
9985	26	7x34	.039	566-9985-100-___	01-05, 07-10	22.68	566-9985-1000-___	02, 03, 09, 10, 13	143.12
9986	28	7x36	.035	566-9986-100-___	01-05, 07-10	21.23	566-9986-1000-___	02, 10	138.20
9987	30	7x38	.032	566-9987-100-___	02, 07-10	12.89	566-9987-1000-___	02, 07, 09	150.49
9978	30	Solid	.030	566-9978-100-___	01-05, 07-10	20.24	566-9978-1000-___	02	135.72

UL AWM Style 1015 (600V, 105°C)

9910	10	65x28	.180	566-9910-100-___	02, 04, 09-10	116.41	-----------	-----	-----
9912	12	65x30	.158	566-9912-100-___	01-05, 07-10	136.40	-----------	-----	-----
8916	14	41x30	.138	566-8916-100-___	01-05, 07-10	85.47	-----------	-----	-----
8917	16	26x30	.123	566-8917-100-___	01-05, 09-10	58.99	566-8917-1000-___	02, 04, 05, 10, 13	483.21
8918	18	16x30	.110	566-8918-100-___	01-05, 09-10	47.89	566-8918-1000-___	01-05, 09, 10, 13	328.03
8919	20	10x30	.100	566-8919-100-___	01-05, 09-10	37.07	566-8919-1000-___	09, 13	262.64
8920	22	7x30	.093	566-8920-100-___	01-05, 09-10	29.06	566-8920-1000-___	02, 03, 05, 10	204.82
9924	24	7x32	.088	566-9924-100-___	01-05, 09-10	26.64	566-9924-1000-___	02, 03, 10, 13	184.87

Dual Rated UL AWM Style 1007 (300V, 80°C), (CSA Type TR-64, 90°C)

9916	16	26x30	.092	566-9916-100-___	01-05, 07-10	54.52	566-9916-1000-___	03, 04, 08, 09, 13	398.35
9918	18	16x30	.079	566-9918-100-___	01-10	37.78	566-9918-1000-___	01-05, 07-09, 13	264.07
9919	20	7x28	.069	566-9919-100-___	01-05, 07-10	33.89	566-9919-1000-___	01-05, 07-10, 13	222.05
9921	22	7x30	.062	566-9921-100-___	01-10	27.56	566-9921-1000-___	01-05, 07, 09, 13	182.89
9923	24	7x32	.056	566-9923-100-___	01-02, 04-05, 09-10	23.86	566-9923-1000-___	01-04, 08-10, 13	153.17
9926	26	7x34	.051	566-9926-100-___	01-05, 07-10	22.68	566-9926-1000-___	01-05, 08-10, 13	143.12
9928	28	7x36	.047	566-9928-100-___	01-10	21.23	566-9928-1000-___	02-05, 09, 10, 13	21.23

BELDEN HIGH-TEMPERATURE TEFLON® INSULATED HOOK-UP WIRE

Stranded Silver-Coated Copper conductor insulated with extruded TFE Teflon®.

COLOR CODE CHART

Colors=Ordering Suffix

Brown=01
Red=02
Orange=03
Yellow=04
Green=05
Lt. Blue=06
Violet=07
Gray=08
White=09
Black=10
Tan=11
Pink=12
Dk. Blue=13

UL AMW Style 1213 105°C MIL-W-16878/4 Teflon® 600V, 200°C

To order replace __ with applicable code for color desired.

Belden Part No.	Conductor		Nominal O.D. (In.)	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 1000' Spool
	AWG	Stranded							
83008	20	7x28	.058	566-83008-100-___	01-10	43.82	566-83008-1000-___	02, 09, 10	354.96
83007	20	19x32	.058	566-83007-100-___	01-10	48.23	566-83007-1000-___	02-06, 09, 10	392.58
83006	22	19x34	.050	566-83006-100-___	01-10	40.28	566-83006-1000-___	02-06, 09, 10	323.10
83005	22	7x30	.050	566-83005-100-___	01-10	35.06	566-83005-1000-___	01-10	274.68
83004	24	7x32	.044	566-83004-100-___	01-10	28.98	566-83004-1000-___	09	220.14
83003	24	19x36	.044	566-83003-100-___	01-10	34.69	566-83003-1000-___	02-04, 06-10	270.90
83002	26	7x34	.039	566-83002-100-___	01-10	27.36	566-83002-1000-___	02, 06, 09	203.40
83000	30	7x38	.032	566-83000-100-___	01-10	25.04	566-83000-1000-___	04, 06	187.02

UL AWM Style 1371-105°C MIL-W-16878/4 Teflon® 600V, 200°C

83009	18	19x30	.068	566-83009-100-___	01-10	60.94	566-83009-1000-___	01, 06, 09	506.34
83010	16	19x29	.077	566-83010-100-___	01-10	73.26	566-83010-1000-___	03-05, 09, 10	618.66

UL AWM Style 1180 300V 200°C MIL-W-16878/5 Teflon® 1000V, 200°C

83030	16	19x29	.088	566-83030-100-___	01-10	83.06	566-83030-1000-___	02	706.32
83029	18	19x30	.078	566-83029-100-___	01-10	69.70	566-83029-1000-___	06, 09, 10	586.80
83028	20	7x28	.068	566-83028-100-___	01-10	48.87	566-83028-1000-___	02, 10	400.14
83027	20	19x32	.068	566-83027-100-___	01-10	56.55	566-83027-1000-___	02, 03, 06, 08-10	469.26
83026	22	19x34	.060	566-83026-100-___	01-10	45.70	566-83026-1000-___	01-04, 06, 08-10	378.00
83025	22	7x30	.060	566-83025-100-___	01-07, 09-10	23.88	566-83025-1000-___	02, 03, 07, 09, 10	315.72
83023	24	19x36	.040	566-83023-100-___	01-10	40.67	566-83023-1000-___	02-05, 09, 10	327.06

BELDEN Test Prod Wire & Hook-Up Wire Dispenser Kits

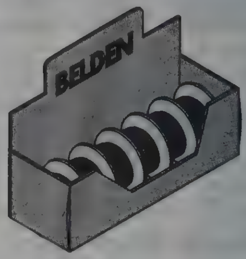
BELDEN

BELDEN HOOK-UP WIRE DISPENSER KITS

Great for R and D labs, engineers, servicemen and hobbyists. Kits are available in five 100' spools or eight 25' spools. Each spool is a different color and comes in a portable dispenser rack.

Belden Part No.	Wire	Temp. Rating	Stocked Colors	MOUSER STOCK NO.	100' Spool	
					1	5
9531	22awg (7x30) Stranded Tinned PVC (8524)	80°C	Red, Green, White, Light Blue, Black	566-9531	134.68	122.20
8825	20awg (7x28) Stranded Tinned PVC (8502)	80°C	Red, Green, White, Yellow, Black	566-8825	181.31	164.48

Belden Part No.	Wire	Temp. Rating	Stocked Colors	MOUSER STOCK NO.	25' Spool	
					1	5
8824	20awg (10x30) Stranded Tinned PVC (8523)	80°C	Brown, White, Black, Orange, Green, Red, Light Blue, Yellow	566-8824	127.48	115.68
8816	18awg (16x30) Stranded Tinned PVC (8522)	80°C	Brown, White, Black, Orange, Green, Red, Light Blue, Yellow	566-8816	133.73	121.39



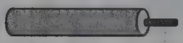
COLOR CODE CHART Colors = Ordering Suffix

Red= 02 Yellow= 04 Green= 05 White= 09 Black= 10

To order replace __ with applicable code for color desired

BELDEN TEST PROD WIRE

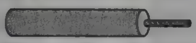
18 AWG Rubber Insulated (5000V, 90°C), Breakdown Voltage 20,000V



- Tinned copper, rubber insulated
- Nominal O.D. (.144)
- Conductor: 18AWG Strand (65x36)

Belden Part No.	MOUSER STOCK NO.	Stocked Colors	Price Per 25' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 500' Spool
8899	566-8899-25-___	02, 10	24.07	566-8899-100-___	02, 04, 05 09, 10	73.95	566-8899-500-___	02, 05, 10	272.06

18 AWG Rubber Insulated (10000V, 90°C), Breakdown Voltage 29,000V



- Tinned copper, rubber insulated
- Nominal O.D. (.229)
- Conductor: 18AWG Strand (65x36)

Belden Part No.	MOUSER STOCK NO.	Stocked Colors	Price Per 25' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 500' Spool
8898	566-8898-25-___	02, 10	39.34	566-8898-100-___	02, 10	101.39	566-8898-500-___	10	417.69

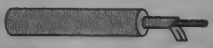
18 AWG PVC Insulated UL AWM Style 1855 (5000V, 80°C)

Tinned copper, PVC insulated. Use test probe leads for electrical and electronic measuring for test equipment.

- Nominal O.D. (.144)
- Conductor: 18AWG Strand (65x36)

Belden Part No.	MOUSER STOCK NO.	Stocked Colors	Price Per 25' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 500' Spool
9899	-----------	-----	-----	566-9899-100-___	02, 10	65.14	566-9899-500-___	02, 10	266.72

18 AWG Rubber Insulated (5000V, 80°C), Breakdown Voltage 20,000V



- Tinned copper, separtor, rubber insulated.
- Nominal O.D. (.144)
- Conductor: 18AWG Strand (65x36)

Belden Part No.	MOUSER STOCK NO.	Stocked Colors	Price Per 25' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 500' Spool
8897	-----------	-----	-----	-----------	-----	-----	566-8897-500-___	10	405.41

24 AWG Rubber Insulated (1000V, 90°C), Breakdown Voltage 10,000V

- Tinned copper, separtor, rubber insulated
- Nominal O.D. (.066)
- Conductor: 24AWG Strand (45x40)

Belden Part No.	MOUSER STOCK NO.	Stocked Colors	Price Per 25' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 500' Spool
8890	566-8890-25-___	02, 10	20.07	566-8890-100-___	02, 10	49.80	566-8890-500-___	02, 10	212.91

22 AWG Stranded Cunductor, (17,000 DC) Breakdown Voltage 35,000 DC

Tinned copper, conductive polyethylene over inner conductor provides uniform distribution of voltage stress, polyethylene insulated. PVC jacket in Black

- Nominal O.D. (.120)
- Conductor: 22AWG Strand (7x30)

Belden Part No.	MOUSER STOCK NO.	Stocked Colors	Price Per 25' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 500' Spool
8869	-----------	-----	-----	-----------	-----	-----	566-8869-500	10	180.12

BELDEN Flat Cable, Magnet, and Bus Bar Wire

BELDEN

BELDEN GRAY RIBBON FLAT CABLE

9L280XX Series .050" Pitch Unshielded

- Gray PVC Insulation, with a Red Polarity stripe for proper circuit alignment.
- Voltage Rating: 300V RMS

Tinned Copper 28 AWG (7x36) Stranded.

MOUSER STOCK NO.	Belden Part No.	No. of Conductors	100' Spool	
			1	5
566-9L28014	9L28014	14	45.96	41.66
566-9L28016	9L28016	16	52.63	47.77
566-9L28020	9L28020	20	66.18	60.04
566-9L28025	9L28025	25	92.30	83.73
566-9L28026	9L28026	26	86.77	78.73
566-9L28034	9L28034	34	114.66	104.03
566-9L28037	9L28037	37	121.08	109.83
566-9L28040	9L28040	40	129.65	117.63
566-9L28050	9L28050	50	160.29	145.42
566-9L28060	9L28060	60	184.22	167.15
566-9L28064	9L28064	64	206.00	186.88

BELDEN DUOFOIL® SHIELDED PVC JACKETED FLAT CABLE

9L283XX Series .050" Pitch

- .010" Nom. Wall Gray PVC Insulation
- 300V RMS

Tinned Copper 28 AWG (7x36) Stranded.

MOUSER STOCK NO.	Belden Part No.	No. of Conductors	100' Spool	
			1	5
566-9L28309	9L28309	9	226.41	205.43
566-9L28310	9L28310	10	251.34	228.06
566-9L28315	9L28315	15	358.18	324.97
566-9L28320	9L28320	20	502.68	456.10
566-9L28325	9L28325	25	625.68	567.69

BELDEN SINGLE BELDSOL™ SOLDERABLE MAGNET WIRE

Dual insulated magnet wire that combines the excellent dielectric characteristics of Polyurethane and the known toughness and solvent resistance of a Nylon overcoat. Rated by IEEE tests for 270°F usage and will solder without insulation removal at 750°F. Half Pound Spools

MOUSER STOCK NO.	Belden Part No.	AWG	Approx. Length Ft.	Price Each	
				1	5
566-8049	8049	18	100	35.89	32.55
566-8050	8050	20	160	35.89	32.55
566-8051	8051	22	254	35.89	32.55
566-8052	8052	24	404	36.73	33.32
566-8053	8053	26	645	36.02	32.69
566-8054	8054	28	1020	38.83	35.22
566-8055	8055	30	1615	42.19	38.26
566-8056	8056	32	2515	46.84	42.50
566-8057	8057	34	4060	49.39	44.81
566-8058	8058	36	6400	55.72	50.55

BELDEN RAINBOW FLAT CABLE

9R280XX Series .050" Pitch

- .010" Nom. Wall Color-Coded PVC Insulation
- Voltage Rating: 300V RMS

Tinned Copper 28 AWG (7x36) Stranded

MOUSER STOCK NO.	Belden Part No.	No. of Conductors	100' Spool	
			1	5
566-9R28010	9R28010	10	81.27	73.76
566-9R28014	9R28014	14	115.04	104.35
566-9R28020	9R28020	20	163.03	147.92
566-9R28024	9R28024	24	186.37	169.07
566-9R28025	9R28025	25	205.37	186.33
566-9R28026	9R28026	26	213.07	193.34
566-9R28034	9R28034	34	276.28	250.65
566-9R28037	9R28037	37	303.23	275.11
566-9R28040	9R28040	40	326.36	296.06
566-9R28050	9R28050	50	410.77	372.70

BELDEN VARI-TWIST® FLAT CABLE

9V280XX Series .050" Pitch

- .010" Nom. Wall Color-Coded PVC Insulation
- Voltage Rating: 300V RMS

Tinned Copper 28 AWG (7x36) Stranded
Designed to reduce crosstalk in the balanced mode by twisting the pairs
Standard twist length is 18 inches followed by a 2 inch flat section of .050" spaced conductor

MOUSER STOCK NO.	Belden Part No.	No. of Pairs	100' Spool	
			1	5
566-9V28010	9V28010	5	72.23	65.57
566-9V28014	9V28014	7	101.79	92.36
566-9V28016	9V28016	8	117.10	106.23
566-9V28026	9V28026	13	182.70	165.76
566-9V28040	9V28040	20	274.13	248.73
566-9V28050	9V28050	25	358.88	325.64
566-9V28060	9V28060	30	414.07	375.72
566-9V28064	9V28064	32	461.42	418.65

BELDEN HEAVY-ARMORED POLY-THERMALEZE® HIGH-TEMPERATURE MAGNET WIRE

Poly-Thermaleze® is a dual coated magnet wire. Its base coat is a cross-linked, modified Polyester. Its top coat is an Amide-Imide Polyester. Rated for 180°C usage and has exceptional ability to resist solvents and abuse in difficult windings. One pound spools.

MOUSER STOCK NO.	Belden Part No.	AWG	Approx. Length Ft.	Price Each	
				1	5
566-8073	8073	14	80	55.28	50.17
566-8074	8074	16	126	58.23	52.85
566-8076	8076	20	315	60.80	55.17
566-8079	8079	26	1260	66.26	60.10
566-8080	8080	28	1990	70.88	63.33

BELDEN BUS BAR WIRE

Solid Tinned Copper. Made in accordance with the performance requirements of Federal Spec. QQ-W-343G.

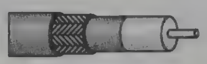
Belden Part No.	AWG	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
8011	12	.083	566-8011	99.59	-----------	---
8012	14	.065	566-8012	67.98	-----------	---
8013	16	.052	566-8013	44.82	-----------	---
8019	18	.041	566-8019	31.64	566-8019-1000	243.96
8020	20	.033	566-8020	24.42	-----------	---
8021	22	.026	566-8021	19.64	566-8021-1000	129.59
8022	24	.021	566-8022	19.17	-----------	---
8023	26	.016	566-8023	18.67	-----------	---
8024	28	.013	566-8024	18.42	-----------	---
8025	30	.010	566-8025	18.42	-----------	---

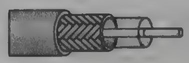
BELDEN SHIELDING AND BONDING CABLE

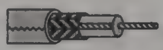
Belden Part No.	Circular Area (CMA)	Stranded	Tubular I.D. (In.)	MOUSER STOCK NO.	50' Spool	
					1	5
8662	22900	576x34	.781	566-8662-50	260.18	236.06
8669	13300	336x34	.500	566-8669-50	187.11	169.78
8663	6700	168x34	.219	566-8663-50	99.33	90.14

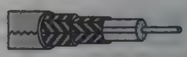
BELDEN 50 Ohm Coaxial Cables

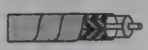
BELDEN

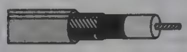
A


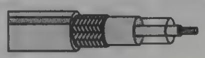
B


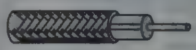
C


D


E


F


G


H


BELDEN TRANSMISSION CABLES (LMR CABLES)

Recommend Heat Shrink alpha FIT221

Low Loss Transmission Cable - CMR Rated

						500' Spools		1000' Spools	
Belden Part No.	Fig.	RG Type	AWG (Strand)	LMR Cables	Nominal OD (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Duofoil® Tape + 90% Tinned Copper Braid									
7805R	A	RG174	24.5 (Solid)	100	.110	566-7805R-500-08	292.81	566-7805R-1000-08	554.76
7806R	A	RG58	19 (Solid)	195	.195	566-7806R-500	358.65	566-7806R-1000-10	679.50
Duobond® II + 95% Tinned Copper Braid									
7808R	A	RG-8X	15 (Solid)	240	.240	566-7808R-500-10	462.94	566-7808R-1000-10	877.14
7809R	A	- - -	13 (Solid)	300	.300	566-7809R-500-10	539.82	566-7809R-1000-10	1022.76
Duofoil® Tape + 95% Tinned Copper Braid									
7807R	A	RG58/U	17 (Solid)	200	.195	566-7807R-500	361.97	566-7807R-1000	685.80
Bonded Duofoil® Tape + 95% Tinned Copper Braid									
7810R	A	RG8/U	10 (Solid)	400	.403	566-7810R-500-10	672.73	566-7810R-1000-10	1274.58
Bonded Duofoil® Tape + 90% Tinned Copper Braid									
7976R	A	- - -	7 (Solid)	- - -	.500	566-7976R-500	763.05	566-7976R-1000	1445.76
Bonded Duofoil® Tape + 85% Tinned Copper Braid									
7977R	A	- - -	5.5 (Solid)	- - -	.590	566-7977R-500	1061.18	566-7977R-1000	2010.60

Recommend Heat Shrink alpha FIT221

MIL-C-17G QPL Cable

					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	RG Type	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Military Specification M/155-00001, 95% Tinned Copper Braid, Black PVC Jacket										
8262	B	RG-58 C/U	20 (19 x 33)	.195	- - - - - - - - - - -	- - - - -	566-8262-500	286.41	566-8262-1000	566.63
Military Specification M17/169-00001, 96% Silver Coated Copper Braid, White FEP Jacket										
83265	C	RG-178B/U	30 (7 x 38)	.071	566-83265-100	102.41	- - - - - - - - - - -	- - - - -	- - - - - - - - - - -	- - - - -
Military Specification M/17/172-00001, 95% Silver Plated Copper Braid										
83284	C	RG-316/U	26 (7 x 34)	.098	566-83284-100	154.37	566-83284-500	610.29	566-83284-1000	1156.32
Military Specification M17/60-RG142, 96% Silver Coated Copper Braid and Silver Coated Copper Braid, Plenum										
84142	D	RG-142/U	18 (Solid)	.195	566-84142-100	454.37	566-84142-500	1993.78	566-84142-1000	3777.66

Recommend Heat Shrink alpha FIT221

Transmission and Computer Cable

					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	RG Type	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
95% Tinned Copper Braid, Black PVC Jacket										
8259	B	RG58 A/U	20 (19 x 33)	.192	566-8259-100	65.26	566-8259-500	211.15	566-8259-1000	380.56
Military Specification MIL-C-17D, 96% Silver Coated Copper Braid, White FEP Tape Jacket										
83269	E	RG-188A/U	26 (7x34)	.098	566-83269-100	177.34	566-83269-500	762.77	566-83269-1000	1445.22

BELDEN LOW TRIBOELECTRIC NOISE COAX CABLE

Recommend Heat Shrink alpha FIT221

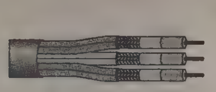
					100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	RG Type	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Maximum Peak-to-Peak Noise Level: 5mv, 90% Tinned Copper Braid, Black PVC Jacket										
9239	F	RG-174/U	26 (7 x 34)	.101	566-9239-100	80.17	566-9239-500	277.03	566-9239-1000	522.36
Maximum Peak-to-Peak Noise Level: 8mv, Bonded Duofoil® Tape and 95% Tinned Copper Braid										
9223	G	RG-58/U	22 (7 x 30)	.195	566-9223-100	117.82	566-9223-500	449.54	- - - - - - - - - - -	- - - - -

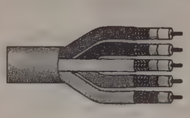
---

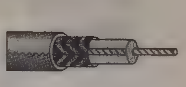
BELDEN CONFORMABLE COAX MICROWAVE CABLE

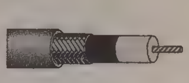
					50' Spools		500' Spools	
Belden Part No.	Fig.	RG Type	AWG (Strand)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
100% Copper-Tin Composite, RG-405/U Type								
1671A	H	RG-405/U	24 (Solid)	.085	566-1671A-50	217.10	566-1671A-500	1294.20
100% Copper-Tin Composite, RG-402/U Type								
1673A	H	RG-402/U	19 (Solid)	.138	566-1673A-50	195.60	566-1673A-500	1524.95

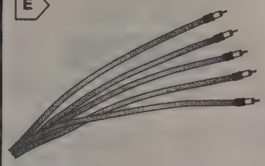
BELDEN 75 Ohm Coaxial and Camera Cables

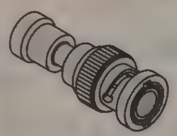
A


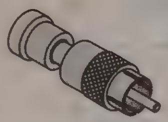
B


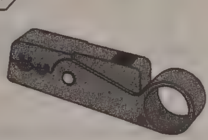
C


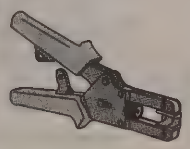
D


E


F


G


H


I


BELDEN COAXIAL CABLES

Recommend Heat Shrink alpha FIT221

Bundled RGB Coax Cable

					500' Spools		1000' Spools	
Belden Part No.	**Fig.**	**UL NEC Type**	**Number of Coax**	**AWG (Standing)**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
Duofoil® Tape + 93% Tinned Copper Braid								
1164B	A	CM	3	26 (7 x 34)	566-1164B-500	798.67	566-1164B-1000	1513.26
1418B	B	CM	5	26 (7 x 34)	566-1418B-500	1343.47	566-1418B-1000	2545.56
Bonded Duofoil® Tape + 95% Tinned Copper Braid								
1277R	A	CMR	3	25 (Solid)	566-1277R-500	588.15	566-1277R-1000	1114.38
1279R	B	CMR	5	25 (Solid)	566-1279R-500	771.97	566-1279R-1000	1114.38

MIL-C-17G QPL Cable

- 94% Silver Coated Copper Braid
- Tinted Brown FEP Jacket

				100' Spools		500' Spools		1000' Spools	
Belden Part No.	**Fig.**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
83264	C	30 (7 x 38)	.100	566-83264-100	143.01	566-83264-500	570.96	566-83264-1000	1081.80

Recommend Heat Shrink alpha FIT400

Low Triboelectric Noise Coax Cable - RG-174/U

- 93% Bare Copper Braid
- Not intended for RF

				500' Box		1000' Spools	
Belden Part No.	**Fig.**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
9224	D	22 (Solid)	.242	566-9224-U500	552.78	--------	-----

Mini Hi-Res Component Video Cable

- Available Colors: 00 is Clear, 10 is Black

					500' Spools		1000' Spools	
Belden Part No.	**Fig.**	**Component Descriptions**	**AWG (Stand)**	**Shielding**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
1281S3	E	75Ω Coax 3C	25 (Solid)	100% Duobond® Foil	566-1281S3-500-00	438.19	566-1281S3-1000-00	828.50
1281S4	E	75Ω Coax 4C	25 (Solid)	100% Duobond® Foil	566-1281S4-500-00	564.18	566-1281S4-1000-00	1091.38
1281S5	E	75Ω Coax 5C	25 (Solid)	100% Duobond® Foil	566-1281S5-500-__	585.96	566-1281S5-1000-__	1247.33
1281S6	E	75Ω Coax 6C	25 (Solid)	100% Duobond® Foil	566-1281S6-500-00	819.01	566-1281S6-1000-00	1584.33
1282S3	E	75Ω Coax 3C Plenum	25 (Solid)	100% Duobond® Foil	566-1282S3-500-00	502.42	566-1282S3-1000-00	949.94
1282S4	E	75Ω Coax 4C Plenum	25 (Solid)	100% Duobond® Foil	566-1282S4-500-00	666.13	566-1282S4-1000-00	1288.56
1282S5	E	75Ω Coax 5C Plenum	25 (Solid)	100% Duobond® Foil	566-1282S5-500-__	805.03	566-1282S5-1000-__	1522.05
1282S6	E	7Ω Coax 6C Plenum	25 (Solid)	100% Duobond® Foil	566-1282S6-500-00	952.61	566-1282S6-1000-00	1927.35
1283S3	E	75Ω Coax 3C	20 (Solid)	95% Duofoil® + TC Foil	566-1283S3-500-00	2297.75	566-1283S3-1000-00	4963.32
1283S5	E	75Ω Coax 5C	20 (Solid)	95% Duofoil® + TC Foil	566-1283S5-500-00	3621.84	---------	-----
1283S6	E	75Ω Coax 6C	20 (Solid)	95% Duofoil® + TC Foil	566-1283S6-500-00	4246.97	566-1283S6-1000-00	8446.91

BELDEN 75 OHM BNC CONNECTOR
(MADE FOR MINI HI-RES COAXIAL CABLE)

- Current Rating: 5 amps
- Max. Working Voltage: 300V
- Body Material: Brass
- Body Plating: Nickel
- Cable Attachment Method: Compression Style

MOUSER STOCK NO.	**Belden Part No.**	**Fig.**	**Price Each**	
			1	**10**
566-1B25A	1B25A	F	4.82	4.46

BELDEN COAX CABLE STRIPPER TOOL

This Prep tool is suitable for RG-6, RG-59 and Mini RG-59 cable.

MOUSER STOCK NO.	**Belden Part No.**	**Fig.**	**Price Each**	
			1	**10**
566-HCST	HCST	H	58.24	53.87

BELDEN RCA CONNECTOR
(MADE FOR MINI HI-RES COAXIAL CABLE)

- Current Rating: 2 amps
- Max. Working Voltage: 300V
- Body Material: Brass
- Body Plating: Nickel
- Cable Attachment Method: Compression Style

MOUSER STOCK NO.	**Belden Part No.**	**Fig.**	**Price Each**	
			1	**10**
566-1R25A	1R25A	G	4.14	3.83

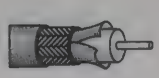
BELDEN COMPRESSION TOOL
(WORKS WITH BNC AND RCA PRODUCTS)

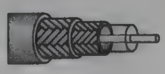
This Compression tool is suitable for connectors 1B25A and 1R25A

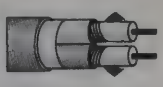
MOUSER STOCK NO.	**Belden Part No.**	**Fig.**	**Price Each**	
			1	**10**
566-HCCT	HCCT	I	100.26	92.74

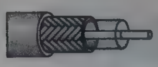
BELDEN 75 Ohm Coaxial Cables

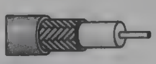
BELDEN

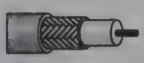
A


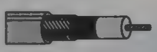
B


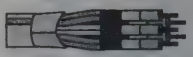
C


D


E


F


G


H


BELDEN PRECISION VIDEO INTERCONNECTS

Recommend Heat Shrink alpha FIT221

∗ Available in Box only

† Cables are tested to 3 GHz and have guaranteed return loss -23dB 5-850 MHz, -21dB 850MHz-3GHz.

COLOR CODE CHART

Colors=Ordering Suffix

01=Brown	02=Red	03=Orange	04=Yellow	05=Green
06=Blue	07=Violet	08=Gray	09=White	10=Black

To order replace __ with applicable code for color desired.

					500' Spools		1000' Spools		1000' Box	
Belden Part No.	**Fig.**	**NEC Type**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Box**
Duofoil® 95% Tinned Copper Braid Shield										
† 1505A	A	- - -	20 (Solid)	.223	566-1505A-500	266.26	566-1505A-1000-BLK	503.89	- - - - - - - - - - - -	- - - - -
† 1506A	A	CMP	20 (Solid)	.196	566-1506A-500-10	836.72	566-1506A-1000-__	1469.34	- - - - - - - - - - - -	- - - - -
† 1694A	A	- - -	18 (Solid)	.274	566-1694A-500	361.09	566-1694A-1000	361.09	- - - - - - - - - - - -	- - - - -
† 1695A	A	CMP	18 (Solid)	.234	566-1695A-500-10	920.85	566-1695A-1000-__	1744.74	- - - - - - - - - - - -	- - - - -
† 179DT	A	CMR	28.5 (Solid)	.100	566-179DT-500-10	249.20	566-179DT-1000-__	341.10	- - - - - - - - - - - -	- - - - -
† 1855A	A	CMR	23 (Solid)	.102	566-1855A-500-10	215.29	566-1855A-1000-__	407.88	- - - - - - - - - - - -	- - - - -
† 7731A	A	CMR	14 (Solid)	.400	566-7731A-500-__	512.53	566-7731A-1000-__	1344.42	- - - - - - - - - - - -	- - - - -
9209	A	- - -	23 (Solid)	.220	∗ 566-9209-U500-10	356.08	- - - - - - - - - - - -	- - - - -	566-9209-U1000-10	669.96
95% Tinned Copper Braid Shield										
8279	F	- - -	23 (7 x 32)	.220	566-8279-500-10	352.08	566-8279-1000-10	667.08	- - - - - - - - - - - -	- - - - -
98% Tinned Copper Double Braid										
8281	B	- - -	20 (Solid)	.305	566-8281-500	544.69	566-8281-1000	956.52	- - - - - - - - - - - -	- - - - -
Double Tinned Copper Braid Shield										
1505F	B	CM	22 (7 x 29)	.242	- - - - - - - - - - - -	- - - - -	566-1505F-1000-__	450.36	- - - - - - - - - - - -	- - - - -
8281F	B	- - -	22 (7 x 29)	.305	566-8281F-500	528.78	566-8281F-1000	1465.55	- - - - - - - - - - -	- - - - -

BELDEN HIGH FLEX, S-VHS PRECISION VIDEO CABLE

Recommend Heat Shrink alpha FIT600

- Matte Black PVC Jacket
- Dual Coaxial Cables
- 90% Tinned Copper Shield

					500' Spools		1000' Spools	
Belden Part No.	**Fig.**	**Description**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
1808A	C	Dual conductor, high flex VHS	30 (7 x 38)	.255	566-1808A-500	588.26	566-1808A-1000	1114.56

BELDEN STANDARD ANALOG VIDEO CABLE

Recommend Heat Shrink alpha FIT221

∗ Available in Box only

				100' Spools		500' Spools		1000' Spools	
Belden Part No.	**Fig.**	**NEC Type**	**AWG (Stranded)**	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
RG-59/U95% Bare Copper Braid Shield									
8241	D	CM	23 (Solid)	566-8241-100	64.70	566-8241-500	192.28	566-8241-1000	372.69
8241F	D	- - -	22 (7 x 30)	- - - - - - - - - - -	- - - - -	- - - - - - - - - - -	- - - - -	566-8241F-1000	630.80
82241	E	CMP	23 (Solid)	- - - - - - - - - - -	- - - - -	∗566-82241-U500	911.19	- - - - - - - - - - - -	- - - - -
8263	F	CMX	23 (Solid)	- - - - - - - - - - -	- - - - -	- - - - - - - - - - -	- - - - -	566-8263-1000	659.29
9259	F	CM	22 (7 x 30)	566-9259-100	97.20	566-9259-500	246.09	566-9259-1000	509.44
9274	E	CM	20 (Solid)	- - - - - - - - - - -	- - - - -	566-9274-500	253.14	- - - - - - - - - - - -	- - - - -
1426A	E	CM	20 (Solid)	- - - - - - - - - - -	- - - - -	- - - - - - - - - - -	- - - - -	∗566-1426A-1000	310.48
RG-6/U Duofoil®/60% Tinned Copper Braid Shield									
9248	A	CM	18 (Solid)	- - - - - - - - - - -	- - - - -	566-9248-500	254.13	566-9248-1000	446.22
RG-6/U 96% Bare Copper Braid Shield									
8215	B	- - -	21 (Solid)	- - - - - - - - - - -	- - - - -	- - - - - - - - - - -	- - - - -	566-8215-1000-10	1446.12

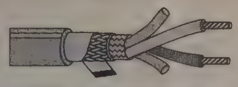
BELDEN MINIATURE VIDEOFLEX® SNAKE CABLE

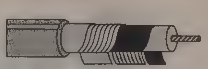
Recommend Heat Shrink alpha FIT600

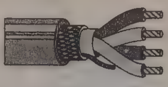
- Duofoil® Tape and 95% Tinned Copper Braid (100% Shield Coverage)

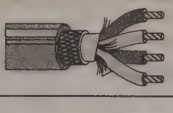
						500' Spools		1000' Spools	
Belden Part No.	**Fig.**	**No. of Cond.**	**NEC Type**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
7789A	H	5	CMR	23 (Solid)	.539	566-7789A-500-10	1740.60	566-7789A-1000-10	3297.96

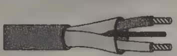
BELDEN Audio Cables

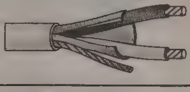
A


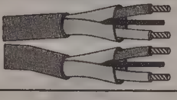
B


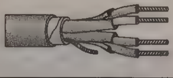
C


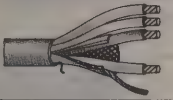
D


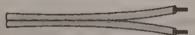
E


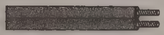
F


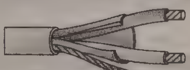
G


H


I


J


K


L


BELDEN *Brilliance*® BROADCAST CABLES

Recommend Heat Shrink alpha FIT221

Two-Conductor, Low-Impedance Cables, High-Conductivity Copper

- PVC Insulation • Black Matte PVC Jacket • Bare Copper Double Spiral Shield

					500' Spools		1000' Spools	
Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
8412	A	2	20 (26x34)	.262	566-8412-500	678.02	-----------	-----

Microphone and Musical Instrument Cable
Single-Conductor, High-Impedance Cables High-Conductivity Copper

- Rubber Insulation • Black Neoprene Jacket • Conductive Textile Shield (100% Coverage) • TC Spiral Shield (75%)

Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
9778	B	1	20 (27 x 34)	.235	-----------	-----	566-9778-1000	601.20

BELDEN FOUR-CONDUCTOR STAR QUAD, LOW IMPEDANCE CABLES

High-Conductivity Copper

Recommend Heat Shrink alpha FIT221

COLOR CODE CHART

02=Red	04=Yellow	05=Green
06=Blue	08=Gray	10=Black

To order replace __ with applicable code for color desired.

- Polyethylene Insulation • Matte PVC Jacket
- TC "French Braid" Shield (95% Coverage)

					100' Spools			500' Spools			1000' Spools		
Belden Part No.	Fig.	No. of Cond.	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 500' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 1000' Spool
1172A	C	4	26 (30 x 40)	.190	------------	---	---	566-1172A-500-___	10	481.96	566-1172A-1000-__	02, 04, 05 06, 08, 10	817.56

- Polyethylene Insulation • Matte PVC Jacket • TC Braid Shield (95% Coverage)

Belden Part No.	Fig.	No. of Cond.	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Stocked Colors	Price Per 100' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 500' Spool	MOUSER STOCK NO.	Stocked Colors	Price Per 1000' Spool
1192A	D	4	24 (42 x 40)	.245	566-1192A-100-___	10	176.12	566-1192A-500-___	06 10	544.46	566-1192A-1000-__	02, 04, 05 06, 08, 10	1035.00

BELDEN LINE LEVEL ANALOG AUDIO CABLE

Recommend Heat Shrink alpha FIT221

Single and Double-Pair Cables • PVC Insulation • Tinned Copper Conductors • Overall 100% Beldfoil® Shield

Belden Part No.	Fig.	No. of Pairs	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Stocked Colors	Price Per 1000' Box
1503A	E	1	22 (7 x 30)	.142	566-1503A-1000U-__	01, 02, 03 04, 06, 07 08, 09, 10	220.39

To order replace __ with applicable code for color desired.

COLOR CODE CHART

01=Brown	02=Red	03=Orange
04=Yellow	06=Blue	07=Violet
08=Gray	09=White	10=Black

BELDEN *Brilliance*® AUDIO CONTROL AND INSTRUMENTATION CABLE

Recommend Heat Shrink alpha FIT221

Shielded, Twisted Pairs

- Tinned Copper • Beldfoil® Aluminum-Polyester Shield † Drain Wire: 18 AWG (16x30)

✻ Available in box only

							100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	No. of Pairs	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
8451	F	Black PVC Jacket	CMR	1	22 (7 x 30)	.138	566-8451-100	26.99	566-8451-500	120.01	566-8451-1000	237.61
9451	E	Bonded Jacket and Shield	CMR	1	22 (7 x 30)	.135	-----------	-----	566-9451-500	125.22	-----------	-----
9451D	G	Red and Black PVC Jacket	CMR	2	22 (7 x 30)	.135 x .270	-----------	-----	-----------	-----	✻566-9451D-U1000	474.48
9451DP	G	White Flamarrest® Jacket	CMP	2	22 (7 x 30)	.127 x .269	-----------	-----	-----------	-----	566-9451DP-1000-09	745.38
9451P	E	Black Flamarrest® Jacket	CMP	1	22 (7 x 30)	.127	-----------	-----	-----------	-----	✻566-9451P-U1000-10	365.04
82761	E	Natural Flamarrest® Jacket	CMP	1	22 (7 x 30)	.116	-----------	-----	566-82761-500	237.08	566-82761-1000	535.08
82723	H	Natural Flamarrest® Jacket	CMP	2	22 (7 x 30)	.153	-----------	-----	✻566-82723-U500	420.97	-----------	-----
82760	E	Natural Flamarrest® Jacket	CMP	1	18 (19 x 30)	.146	-----------	-----	✻566-82760-U500	401.91	566-82760-1000	782.10
8719	F	Chrome PVC Jacket	CM/CL2	1	16 (19 x 29)	.320	-----------	-----	566-8719-500	359.90	-----------	-----
8720	F	Chrome PVC Jacket	CL2	1	14 (19 x 27)	.355	-----------	-----	566-8720-500	429.39	566-8720-1000	901.95
8723	H	Chrome PVC Jacket	CM	2	22 (7 x 30)	.165	566-8723-100	46.34	566-8723-500	195.09	566-8723-1000	362.35
88641	L	Red FEP Jacket	CMP	1	24 (7 x 32)	.106	566-88641-100	145.34	-----------	-----	-----------	-----
88761	L	Red FEP Jacket	CMP	1	22 (7 x 30)	.119	566-88761-100	125.74	-----------	-----	-----------	-----
88760	L	Red FEP Jacket	CMP	1	18 (19 x 30)	.140	-----------	-----	✻566-88760-U500	499.69	-----------	-----
1502R	I	White Flame Retardant Jacket	CMR	2	†22 (7 x 30)	.250	-----------	-----	566-1502R-500-10	256.32	566-1502R-1000-10	485.64

Two Conductor Speaker Wire

Recommend Heat Shrink alpha FIT221

								500' Spools		1000' Spools	
Belden Part No.	Fig.	Cable Type	No. of Cond.	AWG	Stranded	Nominal O.D. (In.)	Color	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
8782	J	Parallel	2	24	7 x 32	.058 x .115	Clear	-----------	-----	566-8782-1000	116.09
9708	J	Parallel	2	18	16 x 30	.110 x .220	Clear	566-9708-500	183.38	566-9708-1000	347.40
9717	J	Parallel	2	14	19 x 27	.146 x .292	Clear	-----------	-----	566-9717-1000	701.28
9718	J	Parallel NEC Type CL3	2	12	65 x 30	.185 x .370	Clear	566-9718-500	726.97	-----------	-----

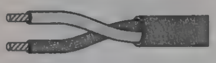
Two Conductor Power Cord

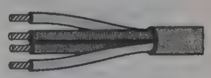
Recommend Heat Shrink alpha FIT221

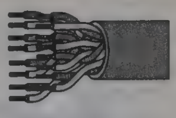
								500' Box		1000' Box	
8888	K	Parallel	2	18	42 x 34	.110 x .207	Brown	-----------	-----	566-8888-1000-08	342.71

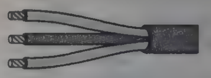
BELDEN Audio, Control and Instrumentation Cable

BELDEN

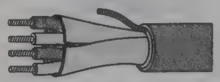
A


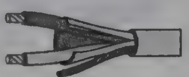
B


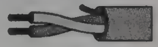
C


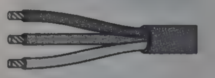
D


3 Conductor Shown

E


F


G


H


BELDEN CONTROL CABLES

Recommend Heat Shrink alpha FIT221

Unshielded, Solid Conductors

• AWG: 22 (Solid) • Rose Gray PVC Jacket

						500' Box		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	No. of Conductors	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
8795	A	Bare Copper, Polyethylene Insulated	CM	2	.168	566-8795-U500	162.20	566-8795-1000	291.96
9794	B	Bare Copper, Polyethylene Insulated	MP/CM	4	.200	566-9794-U500	158.19	566-9794-1000	383.79

Unshielded, Solid Conductors, Twisted Pairs

• Chrome PVC Jacket ✱Available in box only

							500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	AWG (Strand)	NEC Type	No. of Pairs	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
8741	C	Tinned Copper, PVC Insulated	22 (Solid)	MPG/CMG	2	.230	✱566-8741-U500	187.00	566-8741-1000	383.37
8757	C	Tinned Copper, PVC Insulated	22 (Solid)	MP/CM	4	.264	566-8757-500	339.09	-----------	-----
9740	C	Tinned Copper, PVC Insulated	18 (16 x 30)	CMG	1	.210	566-9740-500	164.29	566-9740-1000	311.22
8690	C	Tinned Copper, PVC Insulated	18 (16 x 30)	CMG	3	.347	566-8690-500	474.45	-----------	-----

BELDEN *Brilliance*® SOUND, BROADCAST, AUDIO, INSTRUMENTATION, AND CONTROL CABLE

Recommend Heat Shrink alpha FIT221

High Conductive Cable, Unshielded, Twisted Pairs

• Tinned Copper • PVC Insulated

							100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	No. of Pairs	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
8461	A	Chrome PVC Jacket, Black, White	CMG	1	18 (7 x 26)	.234	566-8461-100	53.47	566-8461-500	170.92	566-8461-1000	323.82

Unshielded, Stranded Conductors, Twisted Pairs

• Conductors Cabled • PVC Insulated

							100' Spools		500' Spools		1000' Spools	
8442	A	Tinned Copper, Chrome PVC Jacket	CMG	1	22 (7 x 30)	.170	566-8442-100	23.99	566-8442-500	93.40	566-8442-1000	174.45
8471	A	Tinned Copper, Chrome PVC Jacket	CMG	1	16 (19 x 29)	.274	-----------	-----	566-8471-500	301.79	-----------	-----

Unshielded, Stranded, Multi-Conductor Cable

								100' Spools	
Belden Part No.	Fig.	Cable Type	NEC Type	No. of Conductors	AWG	Stranded	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool
8443	D	UL 2576	CMG	3	22	7 x 30	.172	566-8443-100	33.82
8444	D	UL 2576	CMG	4	22	7 x 30	.185	566-8444-100	43.17

Shielded, Stranded Conductors

• Overall Beldfoil® Shield (Aluminum-Polyester Shield)

							100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	No. of Cond.	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
9418	E	S-R PVC Insulated	CM	4	18 (19 x 30)	.245	566-9418-100	91.99	566-9418-500	358.65	566-9418-1000	679.50

Shielded, Stranded Conductors, Twisted Pairs

• Overall Beldfoil® Shield • Chrome PVC Jacket • S-R PVC Insulated • NEC Type: CMG

						100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	No. of Pairs	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
9501	F	Tinned Copper, Aluminum-Polyester Shield	1	24 (7 x 32)	.156	566-9501-100	29.55	566-9501-500	115.25	566-9501-1000	218.34
9462	F	Tinned Copper, Aluminum-Polyester Shield	1	22 (7 x 30)	.186	566-9462-100	42.66	566-9462-500	166.47	566-9462-1000	315.36

Shielded, Twisted Pairs

								100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Cable Type	NEC Type	No. of Cond.	AWG (Stranded)	Nom. O.D.	% Type Shield	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
8761	F	UL2092, Non-Plenum	CM	2	22 (7 x 30)	.175	100 Foil	-----------	-----	566-8761-500	169.66	566-8761-1000	314.45
8760	F	UL2092, Non-Plenum	CM	2	18 (16 x 30)	.222	100 Foil	-----------	-----	566-8760-500	213.31	566-8760-1000	395.39
8762	F	UL2092, Non-Plenum	CM	2	20 (7 x 28)	.204	-----	-----------	-----	566-8762-500	196.76	566-8762-1000	372.78
8641	F	UL2092, Non-Plenum	CM	2	24 (7 x 32)	.168	-----	566-8641-100	29.23	566-8641-500	113.93	-----------	-----

BELDEN AUDIO WIRE AND CABLE

Recommend Heat Shrink alpha FIT221

COLOR CODE CHART

05=Green	06=Blue	08=Gray
09=White	10=Black	

To order replace __ with applicable code for color desired.

High-Flex Multi-Conductor Cable

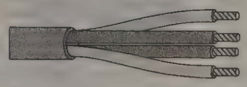
• Audio use only • Non-Plenum • PVC Jacket

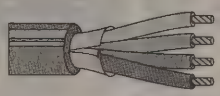
						500' Spools		1000' Spools	
Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	Materials	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
5200UP	G	2	16 (65 x 28)	.208	High Grade PVC Insulation, Bare High-Conductivity ETP Copper	566-5200-500-__	116.68	566-5200-1000-__	221.04

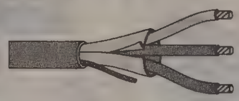
Speaker Cable

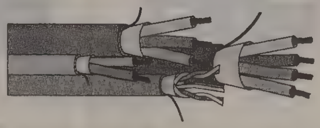
• Natural Flamarrest® Jacket • Flamarrest® Insulation • Audio use only

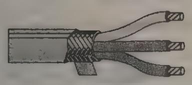
							500' Spools		1000' Spools	
Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	Jacket Color	NEC Type	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Non Plenum Bare High-Conductivity ETP Copper										
5T00UP	H	2	10 (65 x 28)	.356	Gray	CL2	566-5T00UP-500	393.21	566-5T00UP-1000	687.65
Plenum Stranded Bare Copper										
6T00UP	H	2	10 (65 x 28)	.308	White	CL2P	-----------	-----	566-6T00UP-1000	889.09

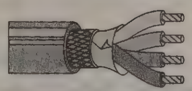
A


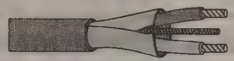
B


C


G


D


E


F


BELDEN AUDIO WIRE AND CABLE

Multi-Conductor Unshielded Control Cable (Plenum)

- FEP Insulation
- Red FEP Jacket
- Suitable for Outdoor and Direct Burial Applications
- Tinned Copper Conductor

Recommend Heat Shrink alpha FIT400

					100' Spools		500' Spools	
Belden Part No.	**Fig.**	**No. of Conductors**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**
88444	A	4	22 (7 x 30)	.121	566-88444-100	105.44	-----------	-----

Multi-Conductor Overall Beldfoil® Shield (Non-Plenum)

- UL AWM Style 2094
- (300V 75°C)
- Polyethylene Insulation
- White PVC Jacket
- Has three solid and one Stranded Tinned-Copper-Coated Steel drain wires

Recommend Heat Shrink alpha FIT221

					100' Spools		500' Spools	
Belden Part No.	**Fig.**	**No. of Conductors**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**
8729	B	4	22 (19 x 34)	.257	-----------	-----	566-8729-500	589.51

Multi-Conductor Overall Beldfoil® Shield (Non-Plenum) w/TC Drain Wire

- (300V RMS)
- Polyethylene Insulation
- Brown PVC Jacket

Recommend Heat Shrink alpha FIT221

					100' Spools		500' Spools	
Belden Part No.	**Fig.**	**No. of Conductors**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**
9770	C	3	22 (7 x 30)	.145	-----------	-----	566-9770-500	191.74

High-Temperature Overall Braid Shield (MIL-W-16878/4, Type E)

- (600V RMS, -65°C to 200°C)
- Extruded TFE Teflon® Insulation
- White TFE Teflon® Tape-Wrapped Jacket

					100' Spools		500' Spools	
Belden Part No.	**Fig.**	**No. of Conductors**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**
83318E	D	2	24 (19 x 36)	.131	566-83318E-100	244.09	-----------	-----
83319E	D	2	22 (19 x 34)	.143	566-83319E-100	290.08	-----------	-----

Multi-Conductor Plenum-Rated Overall Foil/Braid Shield

- FEP Insulation
- Red FEP Jacket
- 100% Beldfoil® + 85% Tinned Copper Braid Shield

					100' Spools		500' Spools	
Belden Part No.	**Fig.**	**No. of Conductors**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**
83562	E	12	22 (7 x 30)	.234	-----------	-----	566-83562-500	2941.40

High-Temperature Control and Instrumentation Cables

- (300V RMS 105°C)
- Tefzel® Insulation
- Clear Tefzel® Jacket
- Overall 100% Beldfoil® Aluminum-Kapton® Shield

					100' Spools		500' Spools	
Belden Part No.	**Fig.**	**No. of Conductors**	**AWG (Stranded)**	**Nominal O.D. (In.)**	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**
85231	F	2	16 (19 x 29)	.210	566-85231-100	649.53	-----------	-----

Multi-Conductor Overall Beldfoil® Shield (Non-Plenum)

- Polyethylene Insulation
- Chrome PVC Jacket

Recommend Heat Shrink alpha FIT221

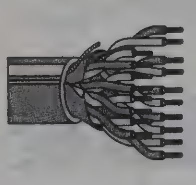
								500' Spools		1000' Spools	
Belden Part No.	**Fig.**	**Cable Type**	**NEC Type**	**No. of Cond.**	**AWG (Stranded)**	**Nom. O.D.**	**% Type Shield**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
8771	C	UL2093	CM	3	22 (7 x 30)	.199	100 Foil	566-8771-500	180.28	566-8771-1000	342.04
8770	C	UL2093	CM	3	18 (16 x 30)	.246	100 Foil	566-8770-500	299.90	566-8770-1000	555.94

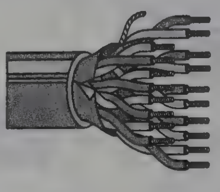
BELDEN COMPOSITE ACCESS CONTROL CABLE

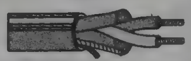
Banana Peel Jacketless Cables

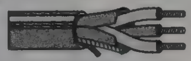
- No Overall Jacket
- PVC Insulattion
- PVC Jacket

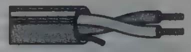
					500' Spools		1000' Spools	
Belden Part No.	**Fig.**	**Component Description**	**AWG (Stranded)**	**Shielding**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
558AFS	G	4-Conductors 3-Pair 2-Conductors 4-Conductors	18 (7 x 26) 22 (7 x 30) 22 (7 x 30) 22 (7 x 30)	Bare Copper Shielded	566-558AFS-500	485.84	566-558AFS-1000	915.84
658AFS	G	4-Conductors 3-Pair 2-Conductors 4-Conductors	18 (7 x 26) 22 (7 x 30) -22 (7 x 30) 22 (7 x 30)	Bare Copper Shielded	566-658AFS-500	691.05	566-658AFS-1000	1309.32

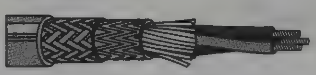
A


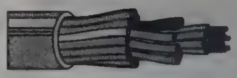
B


C


D


E


F


G


BELDEN OVERALL BELDFOIL® SHIELDED, INSTRUMENTATION, AND COMPUTER CABLE

Recommend Heat Shrink FIT221

- 24 AWG Stranded Conductors (7x32)
- Tinned Copper, PVC Insulated, Twisted Pairs.
- UL AVM Style 2464 (300V 80°C), CSA AVM I A
- Chrome PVC Jacket

Belden Part No.	Fig.	Number of Pairs	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
9501	A	1	.156	566-9501-100	29.55	566-9501-500	115.25	566-9501-1000	218.34
9502	A	2	.222	566-9502-100	46.40	566-9502-500	181.01	566-9502-1000	342.90
9503	A	3	.232	566-9503-100	60.48	566-9503-500	235.83	566-9503-1000	446.76
9504	A	4	.265	566-9504-100	73.95	566-9504-500	288.16	566-9504-1000	519.96
9505	A	5	.289	566-9505-100	82.78	566-9505-500	322.75	566-9505-1000	611.46
9506	A	6	.289	566-9506-100	116.95	566-9506-500	455.84	-----------	-----
9507	A	7	.294	566-9507-100	122.85	-----------	-----	-----------	-----
9508	A	8	.324	566-9508-100	139.56	566-9508-500	544.19	-----------	-----
9509	A	9	.334	566-9509-100	155.28	-----------	-----	-----------	-----
9510	A	10	.368	566-9510-100	174.60	566-9510-500	680.80	-----------	-----
9515	A	15	.417	566-9515-100	261.17	-----------	-----	-----------	-----
9519	A	19	.448	566-9519-100	349.34	-----------	-----	-----------	-----

BELDEN INDUSTRIAL AUTOMATION AND PROCESS CONTROL CABLES

Shielded, Instrumentation 300V Power-Limited Tray Cables

Recommend Heat Shrink FIT221

- Tinned Copper, Twisted Pairs
- Overall 100% Beldfoil® Shield
- Flame Retardant PVC Insulation and PVC Jacket
- Chrome Jacket Color

Belden Part No.	Fig.	Number of Pairs	Nominal O.D. (In.)	AWG (Stranded)	MOUSER STOCK NO.	500' Spool	MOUSER STOCK NO.	500' Unreel Box	MOUSER STOCK NO.	1000' Spool	MOUSER STOCK NO.	1000' Unreel Box
9322	B	1	.200	22 (7 x 30)	-----------	-----	-----------	-----	-----------	-----	566-9322-1000U	354.87
9512	B	2	.310	22 (7 x 30)	566-9512-500	299.33	-----------	-----	566-9512-1000	525.60	-----------	-----
9513	B	3	.324	22 (7 x 30)	566-9513-500	375.34	-----------	-----	-----------	-----	-----------	-----
9514	B	4	.356	22 (7 x 30)	566-9514-500	500.73	-----------	-----	-----------	-----	-----------	-----
9516	B	6	.418	22 (7 x 30)	566-9516-500	727.62	-----------	-----	-----------	-----	-----------	-----
9316	C	1	.256	16 (19 x 29)	-----------	-----	566-9316-500U	359.05	-----------	-----	-----------	-----
9320	C	1	.217	20 (19 x 32)	-----------	-----	566-9320-500U	245.42	-----------	-----	-----------	-----
		No. of Triads										
9365	D	1	.245	18 (19 x 30)	-----------	-----	566-9365-500U	469.97	-----------	-----	-----------	-----

Unshielded, Instrumentation 300V Power-Limited Tray Cables

- Flame Retardant PVC Insulation and PVC Jacket
- Chrome Jacket Color

Belden Part No.	Fig.	Number of Pairs	Nominal O.D. (In.)	AWG (Stranded)	MOUSER STOCK NO.	Price Per 500' Unreel Box	MOUSER STOCK NO.	Price Per 1000' Unreel Box
9407	E	1	.198	22 (7 x 30)	566-9407-500U	143.92	-----------	-----
9410	E	1	.254	16 (19 x 29)	566-9410-500U	320.50	-----------	-----

BELDEN INFINITY® CABLES

Recommend Heat Shrink FIT600

Belden Infinity® Cables are a complete line specifically designed to handle the rigorous speeds and near constant motion encountered in automated equipment such as robots, pick-and-place machines, automatic handling systems, multi-axis machine tools, and conveyor systems.

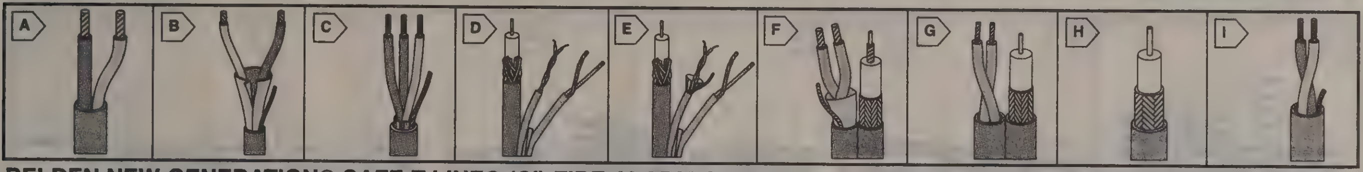
- Reduced Cable Memory
- Greater Flex Life
- Greater System Uptime
- No Talc Problems

***All parts Non-Shielded except for part 7436AS which is 85% Braid Shielded**

Belden Part No.	Fig.	Number of Conductors	Nominal O.D. (In.)	AWG (Stranded)	MOUSER STOCK NO.	Price Per 250' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
FCC (1mm Flex Life)										
7400A	F	2	.240	20 (10 x 30)	566-7400A-250-08	95.59	566-7400A-500-08	170.65	566-7400A-1000-08	322.64
7401A	F	3	.250	20 (10 x 30)	566-7401A-250-08	130.53	566-7401A-500-08	233.05	566-7401A-1000-08	440.63
7402A	F	4	.275	20 (10 x 30)	566-7402A-250-08	160.06	566-7402A-500-08	285.76	566-7402A-1000-08	540.27
7403A	F	5	.300	20 (10 x 30)	566-7403A-250-08	193.21	566-7403A-500-08	344.96	566-7403A-1000-08	652.22
7404A	F	7	.345	20 (10 x 30)	566-7404A-250-08	268.55	566-7404A-500-08	479.45	566-7404A-1000-08	906.52
7409A	F	2	.264	18 (16 x 30)	566-7409A-250-08	132.49	566-7409A-500-08	236.52	566-7409A-1000-08	447.21
7410A	F	3	.280	18 (16 x 30)	566-7410A-250-08	160.06	566-7410A-500-08	285.76	566-7410A-1000-08	540.27
7411A	F	4	.305	18 (16 x 30)	566-7411A-250-08	209.81	566-7411A-500-08	374.60	566-7411A-1000-08	708.26
7412A	F	5	.330	18 (16 x 30)	566-7412A-250-08	264.87	566-7412A-500-08	472.87	566-7412A-1000-08	894.07
7413A	F	7	.385	18 (16 x 30)	566-7413A-250-08	360.48	566-7413A-500-08	643.60	566-7413A-1000-08	1216.89
7415A	F	12	.475	18 (16 x 30)	566-7415A-250-08	654.87	566-7415A-500-08	1169.18	566-7415A-1000-08	2210.60
7416A	F	18	.560	18 (16 x 30)	566-7416A-250-08	901.40	566-7416A-500-08	1609.30	-----------	-----
7417A	F	25	.696	18 (16 x 30)	566-7417A-250-08	1258.28	566-7417A-500-08	2246.51	-----------	-----
7422A	F	3	.305	16 (26 x 30)	566-7422A-250-08	261.23	566-7422A-500-08	466.37	566-7422A-1000-08	881.79
7423A	F	4	.330	16 (26 x 30)	566-7423A-250-08	336.67	566-7423A-500-08	601.06	566-7423A-1000-08	1136.42
7424A	F	5	.360	16 (26 x 30)	566-7424A-250-08	424.95	566-7424A-500-08	758.71	566-7424A-1000-08	1434.52
7428A	F	18	.650	16 (26 x 30)	566-7428A-250-08	1432.95	566-7428A-500-08	2558.34	-----------	-----
7436A	F	4	.395	14 (41 x 30)	566-7436A-250-08	487.54	566-7436A-500-08	870.44	566-7436A-1000-08	1645.76
*7436AS	F	4	.482	14 (41 x 30)	566-7436AS-250-08	1418.37	566-7436AS-500-08	2532.26	-----------	-----
C-TC+ (9mm Flex Life)										
7101A	G	3	.275	20 (74 x 38)	566-7101A-250-03	433.33	566-7101A-500-03	866.64	566-7101A-1000-03	1462.72

BELDEN Audio, Security, Alarm, and Camera Cables

BELDEN



BELDEN NEW GENERATION® SAFE-T-LINE® (CI) FIRE ALARM CABLE

- Flame Retardant
- Low Smoke
- Zero Halogen Jacket
- Thermoset Elastomer Insulation
- Polyolefin Jacket
- UL Standard 2196

Belden Part No.	Fig.	No. of Conductors	Nominal O.D. (In.)	AWG (Stranded)	MOUSER STOCK NO.	Price Per 1000' Spool
Unshielded						
5320UM	A	2	.308	18 (Solid)	566-5320UM-1000-02	1229.52
5220UM	A	2	.329	16 (Solid)	566-5220UM-1000-02	1454.06
5120UM	A	2	.360	14 (Solid)	566-5120UM-1000-02	1680.69
Beldfoil® Shield						
5320FM	B	2	.314	18 (Solid)	566-5320FM-1000-02	1416.36
5220FM	B	2	.331	16 (Solid)	566-5220FM-1000-02	1614.45
5120FM	B	2	.360	14 (Solid)	566-5120FM-1000-02	1970.13
5100FM	B	2	.384	14 (7 x 22)	566-5100FM-1000-02	2433.76

BELDFOIL® SHIELD AUDIO, SECURITY, AND ALARM CABLE

- Bare Copper Conductors
- PVC Insulation
- Cabled Beldfoil® Shield Tape (Aluminum side out) with drain wire
- Sequential footage marking every two feet
- Gray PVC Jacket

* Available in box only

Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
5000FE	B	2	12 (19 x 25)	0.272	566-5000FE-500-08	269.53	566-5000FE-1000-08	510.66
5200FE	B	2	16 (19 x 29)	0.188	566-5200FE-500-08	120.76	566-5200FE-1000-08	228.78
5300FE	B	2	18 (7 x 26)	0.165	566-5300FE-500-08	90.66	566-5300FE-1000-08	171.72
5301FE	B	3	18 (7 x 26)	0.175	566-5301FE-500-08	125.60	566-5301FE-1000-08	237.60
5302FE	B	4	18 (7 x 26)	0.192	566-5302FE-500-08	148.50	566-5302FE-1000-08	281.34
5304FE	B	6	18 (7 x 26)	0.23	- - - - - - - - - - -	- - - -	566-5304FE-1000-08	482.04
5400FE	B	2	20 (7 x 28)	0.145	- - - - - - - - - - -	- - - -	566-5400FE-1000-08	135.54
5500FE	B	2	22 (7 x 30)	0.150	566-5500FE-500-08	59.39	566-5500FE-1000-08	112.50
5502FE	B	4	22 (7 x 30)	0.152	566-5502FE-500-08	83.35	566-5502FE-1000-08	157.86
5504FE	B	6	22 (7 x 30)	0.179	*566-5504FE-U500-08	132.16	*566-5504FE-U1000-08	250.38

UNSHIELDED AUDIO, SECURITY, AND ALARM CABLE

- Bare Copper Conductors
- PVC Insulation with rip cord
- Sequential footage marking every two feet
- Gray PVC Jacket

Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
5100UE	C	2	14 (19 x 26)	.234	566-5100UE-500-08	153.93	566-5100UE-1000-08	291.60
5200UE	C	2	16 (19 x 29)	.184	566-5200UE-500-08	96.56	566-5200UE-1000-08	182.88
5202UE	C	4	16 (19 x 29)	.216	566-5202UE-500-08	175.19	566-5202UE-1000-08	331.92
5300UE	C	2	18 (7 x 26)	.161	566-5300UE-500-08	69.27	566-5300UE-1000-08	131.40
5302UE	C	4	18 (7 x 26)	.188	- - - - - - - - - - -	- - - -	566-5302UE-1000-08	222.48
5500UE	C	2	22 (7 x 30)	.128	- - - - - - - - - - -	- - - -	566-5500UE-1000-08	92.34
5502UE	C	4	22 (7 x 30)	.148	*566-5502UE-U500-08	66.80	*566-5502UE-U1000-08	126.72
5504UE	C	6	22 (7 x 30)	.177	566-5504UE-500-08	94.44	566-5504UE-1000-08	178.02
5582UE	C	4	22 (Solid)	.141	*566-5582UE-U500-08	69.09	*566-5582UE-U1000-08	131.22

- Bare Copper Conductors
- Flamarrest® Insulation
- Conductors Cabled
- Natural Flamarrest® Jacket with rip cord
- Sequential footage marking every two feet
- Plenum-Rated

* Available in box only

Belden Part No.	Fig.	No. of Conductors	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
6200UE	C	2	16 (19 x 29)	.180	566-6200UE-500	142.32	- - - - - - - - - - -	- - - -
6300UE	C	2	18 (7 x 26)	.157	566-6300UE-500	96.53	566-6300UE-1000	181.98
6301UE	C	3	18 (7 x 26)	.168	566-6301UE-500	124.08	566-6301UE-1000	235.08
6302UE	C	4	18 (7 x 26)	.186	566-6302UE-500	161.71	566-6302UE-1000	306.36
6500UE	C	2	22 (7 x 30)	.124	*566-6500UE-U500	50.46	- - - - - - - - - - -	- - - -
6502UE	C	4	22 (7 x 30)	.143	566-6502UE-500	95.40	566-6502UE-1000	179.82

CAMERA CABLES (FOR CCTV APPLICATIONS)

Banana Peel PTZ Composite Camera Cable

					500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	AWG (Stranded)	Shielding	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
Individual Riser-Rated PVC Jackets, No Overall Jackets								
500PTZ	D	75 Ohm Coax RG 59/U 1-Pair 2 Conductor	20 (Solid) 23 (Solid) 18 (Stranded)	95% Bare Copper Braid Unshielded Unshielded	566-500PTZ-500	407.56	566-500PTZ-1000	772.20
501PTZ	E	75 Ohm Coax RG 59/U 1-Pair 2 Conductor	20 (Solid) 22 (Stranded) 18 (Stranded)	95% Bare Copper Braid AL/Polyester w/ drain Unshielded	566-501PTZ-500	455.15	566-501PTZ-1000	862.38
Individual Plenum-Rated Flamarrest® Jackets, No Overall Jackets								
600PTZ	D	75 Ohm Coax RG 59/U 1-Pair 2 Conductor	20 (Solid) 23 (Solid) 18 (Stranded)	95% Bare Copper Braid Unshielded Unshielded	566-600PTZ-500	698.28	566-600PTZ-1000	1323.00
601PTZ	E	75 Ohm Coax RG 59/U 1-Pair 2 Conductor	20 (Solid) 22 (Stranded) 18 (Stranded)	95% Bare Copper Braid AL/Polyester w/ drain Unshielded	566-601PTZ-500	724.02	566-601PTZ-1000	1371.78

Composite Camera Cable

					500' Spools		1000' Spools	
9265	F	75 Ohm Coax RG-59/U Foil Shielded Twisted Pair	22 (7 x 30) 22 (7 x 30)	95% Bare Copper Braid Beldfoil®	566-9265-500	569.48	566-9265-1000	1135.83
549945	G	75 Ohm Coax RG-59/U 1 Twisted Pair	20 (Solid) 18 (7 x 26)	95% Bare Copper Braid Unshielded	566-549945-500	185.75	566-549945-1000	406.09
539945	G	75 Ohm Coax RG-6/U 1 Twisted Pair	18 (Solid) 18 (7)	95% Bare Copper Braid Unshielded	566-539945-500-10	222.78	566-539945-1000-10	422.10

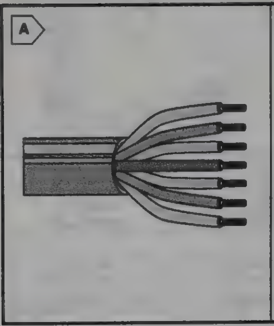
75 Ohm Coaxial Camera Cable

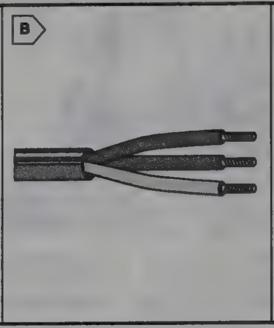
					500' Spools		1000' Spools	
543945	H	RG-59/U	20 (Solid)	95% Bare Copper Braid	566-543945-500-10	110.62	566-543945-1000-10	209.52
533945	H	RG-6/U	18 (Solid)	95% Bare Copper Braid	566-533945-500	142.80	566-533945-1000	270.54
513945	H	RG-11/U	14 (Solid)	95% Bare Copper Braid	566-513945-500-10	260.89	566-513945-1000-10	494.28

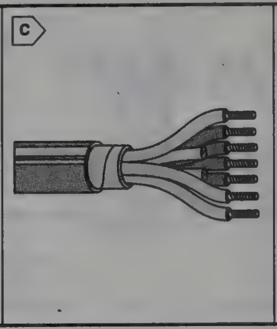
Camera Cable - Power/Control

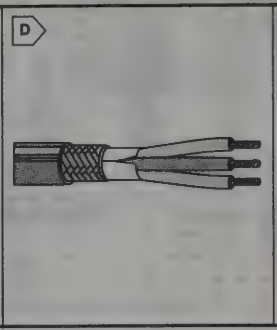
					500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	AWG (Stranded)	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
5300UE	I	Unshielded, 2 Conductor (Bare Copper)	18 (7 x 26)	.161	566-5300UE-500-08	69.27	566-5300UE-1000-08	131.40
5200UE	I	Unshielded, 2 Conductor (Bare Copper)	16 (19 x 29)	.184	566-5200UE-500-08	96.56	566-5200UE-1000-08	182.88
5100UE	I	Unshielded, 2 Conductor (Bare Copper)	14 (19 x 27)	.234	566-5100UE-500-08	153.93	566-5100UE-1000-08	291.60

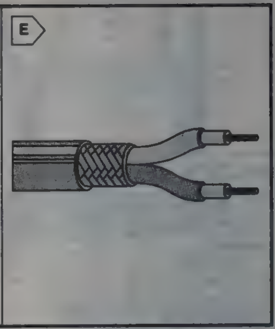
BELDEN Multi-Conductor Cables


A


B


C


D


E

UNSHIELDED AUDIO, CONTROL, AND INSTRUMENTATION CABLE

- Tinned copper stranded, PVC insulated, conductor cabled. Chrome PVC jacket.
- Non-Plenum

Recommend Heat Shrink FIT221

Belden Part No.	Fig.	No. of Cond.	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
								1	5		1	5
UL AWM Style 2464, (300V 80°C)												
9439	A	7	20 (7 x 28)	.260	566-9439-100	91.89	566-9439-500	358.07	339.21	-----------	-----	-----
9444	A	4	20 (7 x 28)	.217	566-9444-100	52.56	566-9444-500	195.22	184.97	566-9444-1000	388.26	366.69
9445	A	5	20 (7 x 28)	.239	566-9445-100	66.36	566-9445-500	258.72	245.07	566-9445-1000	490.14	462.91
9455	A	9	20 (7 x 28)	.317	566-9455-100	127.27	-----------	-----	-----	-----------	-----	-----
UL AWM Style 2598, (300V 60°C)												
8489	A	4	18 (19 x 30)	.257	566-8489-100	70.32	566-8489-500	274.21	259.74	-----------	-----	-----
8465	A	5	18 (19 x 30)	.282	566-8465-100	86.08	566-8465-500	316.19	299.52	-----------	-----	-----
8467	A	7	18 (19 x 30)	.314	566-8467-100	114.08	-----------	-----	-----	-----------	-----	-----
8466	A	12	18 (19 x 30)	.412	566-8466-100	184.42	-----------	-----	-----	-----------	-----	-----
8468	A	15	18 (19 x 30)	.500	566-8468-100	256.95	-----------	-----	-----	-----------	-----	-----
8619	A	19	18 (19 x 30)	.490	566-8619-100	396.64	-----------	-----	-----	-----------	-----	-----
9626	A	25	18 (19 x 30)	.612	566-9626-100	623.04	-----------	-----	-----	-----------	-----	-----
600V RMS 80°C												
8620	A	4	16 (19 x 29)	.376	566-8620-100	144.66	-----------	-----	-----	-----------	-----	-----
8621	A	7	16 (19 x 29)	.458	566-8621-100	243.91	-----------	-----	-----	-----------	-----	-----
9721	A	8	16 (19 x 29)	.496	566-9721-100	291.35	-----------	-----	-----	-----------	-----	-----
9623	A	5	14 (19 x 27)	.573	566-9623-100	415.25	-----------	-----	-----	-----------	-----	-----
UL AVM Style 2576, (150V 80°C)												
8443	B	3	22 (7 x 30)	.172	-----------	-----	566-8443-500	131.70	124.74	566-8443-1000	249.48	235.62
8444	B	4	22 (7 x 30)	.185	-----------	-----	566-8444-500	168.47	159.57	566-8444-1000	319.14	301.41
8445	B	5	22 (7 x 30)	.194	566-8445-100	54.02	-----------	-----	-----	566-8445-1000	399.06	376.89
9430	B	7	22 (7 x 30)	.214	-----------	-----	566-9430-500	238.29	225.72	566-9430-1000	451.44	426.36
9421	B	8	22 (7 x 30)	.229	566-9421-100	70.80	566-9421-500	276.10	261.54	566-9421-1000	523.08	494.02
9423	B	9	22 (7 x 30)	.244	566-9423-100	78.60	566-9423-500	306.40	290.25	-----------	-----	-----
8456	B	10	22 (7 x 30)	.264	566-8456-100	87.88	-----------	-----	-----	-----------	-----	-----
8457	B	12	22 (7 x 30)	.272	566-8457-100	96.74	-----------	-----	-----	-----------	-----	-----
9431	B	20	22 (7 x 30)	.345	566-9431-100	211.98	-----------	-----	-----	-----------	-----	-----
8459	B	25	22 (7 x 30)	.387	566-8459-100	272.21	-----------	-----	-----	-----------	-----	-----
9432	B	30	22 (7 x 30)	.400	566-9432-100	328.42	-----------	-----	-----	-----------	-----	-----
9433	B	40	22 (7 x 30)	.455	566-9433-100	491.15	-----------	-----	-----	-----------	-----	-----

UNSHIELDED POWER AND CONTROL CABLE

- Rubber and Oil Resistant Rubber SO Cables
- 600V RMS 60°C
- Rubber Insulation
- Cunductors Cabled with Fillers
- Stranded Conductors
- Black Oil-resistant Rubber Jacket
- Bare Copper

Recommend Heat Shrink FIT600 Recommend Heat Shrink FIT700 Recommend Heat Shrink FIT750

Belden Part No.	Fig.	No. of Conductors	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	500' Spool	
								1	5
9422	C	7	16 (65 x 34)	.581	566-9422-100	448.06	-----------	-----	-----
9424	C	9	16 (65 x 34)	.720	566-9424-100	567.63	-----------	-----	-----

OVERALL BRAID AUDIO, CONTROL, AND INSRUMENTATION CABLE

- 200V RMS 105°C
- Chrome PVC Jacket
- Polypropylene Insulation
- 95% Tinned Copper Braid Shield

Recommend Heat Shrink FIT221

Belden Part No.	Fig.	No. of Conductors	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	250' Spool	
								1	5
8643	D	3	30 (7 x 38)	.096	-----------	-----	566-8643-250	276.90	251.19

OVERALL BRAID COMMUNICATION AND INSTRUMENTATION SHIELD CABLE

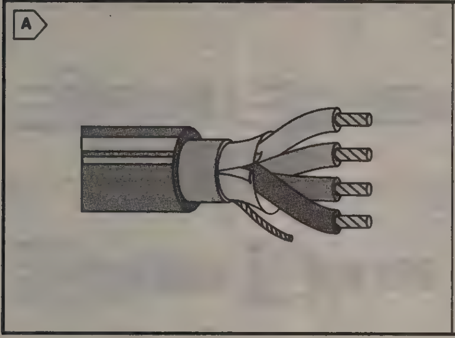
- 600V RMS 105°C
- 90% Tinned Copper Braid Shield
- MIL-W-16878 (Type) Conductors, Shielded, and Jacketed
- PVC Insulation and White PVC Jacket

Recommend Heat Shrink FIT221

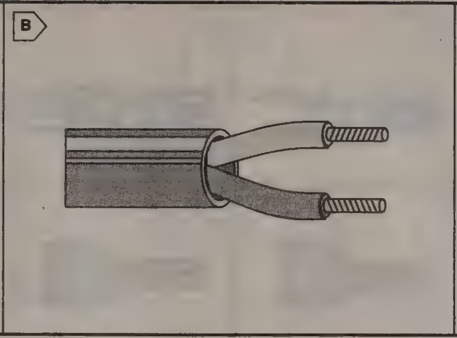
Belden Part No.	Fig.	No. of Conductors	AWG Stranding	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	500' Spool	
								1	5
9962	E	2	20 (19 x 32)	.192	566-9962-100	122.76	-----------	-----	-----

BELDEN Multi-Conductor Cables

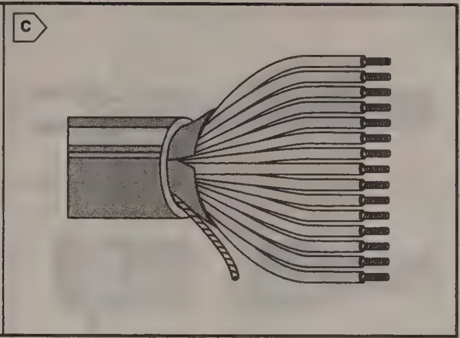
A



B



C



BELDEN OVERALL FOIL / BRAID SHIELD COMPUTER CABLES

- Computer Cables for EIA RS-232 Applications
- Chrome PVC Jacket
- Tinned Copper Stranded
- UL AWM Style 2464 (300V 80°C)
- Semi-Rigid PVC Insulation

Recommend Heat Shrink alpha FIT221

Belden Part No.	Fig.	No. of Cond.	AWG Stranded	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
9939	A	3	22 (7 x 30)	.202	566-9939-100	62.24	566-9939-500	242.65	566-9939-1000	459.72
9940	A	4	22 (7 x 30)	.215	566-9940-100	81.25	566-9940-500	301.75	566-9940-1000	571.68
9941	A	5	22 (7 x 30)	.23	566-9941-100	91.90	566-9941-500	358.26	566-9941-1000	678.78
9942	A	6	22 (7 x 30)	.245	566-9942-100	100.96	566-9942-500	403.58	566-9942-1000	764.64
9943	A	7	22 (7 x 30)	.245	566-9943-100	121.20	566-9943-500	472.46	566-9943-1000	895.14
9944	A	8	22 (7 x 30)	.260	566-9944-100	130.27	566-9944-500	507.89	566-9944-1000	962.28
9945	A	9	22 (7 x 30)	.280	566-9945-100	147.77	566-9945-500	576.11	566-9945-1000	1091.52
9946	A	10	22 (7 x 30)	.300	566-9946-100	162.69	566-9946-500	634.43	566-9946-1000	1202.04
9947	A	15	22 (7 x 30)	.34	566-9947-100	224.93	566-9947-500	876.95	566-9947-1000	1661.58
9948	A	25	22 (7 x 30)	.41	566-9948-100	456.12	566-9948-500	1778.24	566-9948-1000	3369.24
9949	A	37	22 (7 x 30)	.460	566-9949-100	596.26	566-9949-500	2324.58	566-9949-1000	4404.42
9950	A	50	22 (7 x 30)	.555	566-9950-100	911.59	566-9950-500	3553.79	566-9950-1000	6733.44
9608	A	3	24 (7 x 32)	.190	566-9608-100	69.32	566-9608-500	306.26	566-9608-1000	512.10
9609	A	4	24 (7 x 32)	.200	566-9609-100	84.84	566-9609-500	330.90	566-9609-1000	626.94
9610	A	5	24 (7 x 32)	.215	566-9610-100	101.94	566-9610-500	397.49	566-9610-1000	753.12
9611	A	6	24 (7 x 32)	.225	566-9611-100	124.51	566-9611-500	485.56	566-9611-1000	919.98
9612	A	7	24 (7 x 32)	.225	566-9612-100	144.47	566-9612-500	563.19	566-9612-1000	1067.04
9613	A	8	24 (7 x 32)	.240	566-9613-100	163.88	566-9613-500	639.01	566-9613-1000	1210.68
9614	A	9	24 (7 x 32)	.253	566-9614-100	199.74	566-9614-500	778.74	566-9614-1000	1475.46
9615	A	10	24 (7 x 32)	.27	566-9615-100	254.29	566-9615-500	991.54	566-9615-1000	1878.66
9616	A	15	24 (7 x 32)	.3003	566-9616-100	339.22	566-9616-500	1322.53	566-9616-1000	2505.78
9617	A	25	24 (7 x 32)	.370	566-9617-100	580.01	566-9617-500	2261.22	566-9617-1000	4284.36
9618	A	37	24 (7 x 32)	.411	566-9618-100	929.18	566-9618-500	3622.38	566-9618-1000	6863.40
9619	A	50	24 (7 x 32)	.485	566-9619-100	1174.53	566-9619-500	4579.13	566-9619-1000	8676.18

- UL AWM Style 2919 (30V 80°C)
- Datalene® Insulation
- Chrome PVC Jacket
- Low-Capacitance Coputer Cable for EIA RS-232 and EIA RS-423 Applications

Belden Part No.	Fig.	No. of Cond.	AWG Stranded	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
								1	5		1	5
9925	A	3	24 (7 x 32)	.215	566-9925-100	61.98	566-9925-500	241.63	228.87	566-9925-1000	457.74	432.31
9927	A	4	24 (7 x 32)	.230	566-9927-100	73.99	566-9927-500	288.26	273.06	-----------	-----	-----

BELDEN DUPLEX PRIMARY WIRE

- 300V RMS 75°C
- Bare Copper
- PVC Insulation
- Chrome PVC Jacket
- Stranded Conductors
- Conductors Parallel

Belden Part No.	Fig.	No. of Cond.	AWG Stranded	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
								1	5		1	5
8677	B	2	16 (19 x 29)	.149 x .254	-----------	-----	566-8677-500	236.07	214.17	-----------	-----	-----

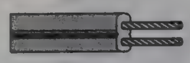
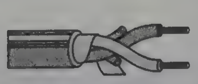
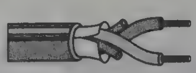
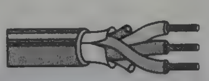
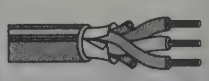
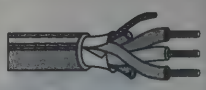
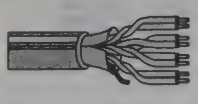
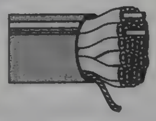
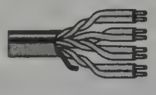
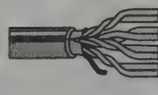
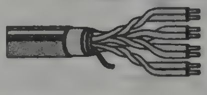
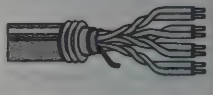
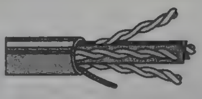
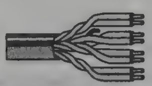
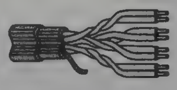
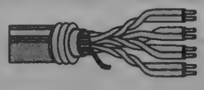
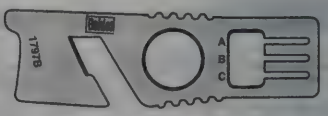
BELDEN OVERALL 100% BELDFOIL® SHIELD

- Computer Cables for EIA RS-232 Applications
- UL AVM Style 2464, (300V 80°C)
- Chrome PVC Jacket
- Semi-Rigid PVC Insulation

Recommend Heat Shrink alpha FIT221

Belden Part No.	Fig.	No. of Cond.	AWG Stranded	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	500' Spool		MOUSER STOCK NO.	1000' Spool	
								1	5		1	5
9533	C	3	24 (7 x 32)	.162	566-9533-100	38.14	566-9533-500	148.64	140.85	566-9533-1000	281.70	266.05
9535	C	5	24 (7 x 32)	.189	566-9535-100	54.88	566-9535-500	213.96	202.68	566-9535-1000	405.36	382.84
9536	C	6	24 (7 x 32)	.209	566-9536-100	64.12	566-9536-500	250.06	236.88	566-9536-1000	473.76	447.44
9537	C	7	24 (7 x 32)	.209	566-9537-100	71.67	-----------	-----	-----	-----------	-----	-----
9538	C	8	24 (7 x 32)	.224	566-9538-100	78.51	566-9538-500	306.20	290.07	-----------	-----	-----
9540	C	10	24 (7 x 32)	.244	566-9540-100	90.85	566-9540-500	354.46	335.43	-----------	-----	-----
9541	C	15	24 (7 x 32)	.284	566-9541-100	128.29	566-9541-500	500.09	473.76	-----------	-----	-----
9543	C	25	24 (7 x 32)	.339	566-9543-100	233.15	-----------	-----	-----	-----------	-----	-----
9544	C	30	24 (7 x 32)	.380	566-9544-100	379.36	-----------	-----	-----	-----------	-----	-----

BELDEN Portable Cordage & Datatuff® Industrial Ethernet Cable

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q


Belden® portable cordage products are available in a wide assorted of styles, lengths, and thickness. Products offered include 2-, 3-, 4- and 5-conductor as well as multi-conductor constructions.

PORTABLE CORDAGE 2-CONDUCTOR

SPT-1 PVC Parallel Lamp Cord

Recommend Heat Shrink
alpha FIT221

- 300V, 60°C
- UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG (Stranded)	Nominal O.D. (In.)	250' Spool	
					1	5
566-19122-250-10	19122	A	18 (42 x 34)	.110 x .207	115.67	104.95

SJO Oil-Resistant Rubber Jacket

- 300V, 90°C
- UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG (Stranded)	Nominal O.D. (In.)	250' Spool	
					1	5
566-19227-250-10	19227	B	18 (16 x 30)	.290	249.90	226.77
566-19228-250-10	19228	B	16 (26 x 30)	.315	324.86	294.72

SVT PVC Jacket

- 300V, 60°C
- UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG (Stranded)	Nominal O.D. (In.)	250' Spool	
					1	5
566-19140-250-10	19140	C	18 (42 x 34)	.243	163.22	148.08

PORTABLE CORDAGE 3-CONDUCTOR

SJT PVC Jacket (Smooth)

Recommend Heat Shrink
alpha FIT221

- 300V, 60°C
- UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG (Stranded)	Nominal O.D. (In.)	250' Spool	
					1	5
566-19348-250-10	19348	D	18 (42 x 34)	.328	258.26	234.31
566-19349-250-10	19349	D	16 (65 x 34)	.340	318.07	288.59

SJT PVC Jacket (Serrated)

- 300V, 60°C
- UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG (Stranded)	Nominal O.D. (In.)	250' Spool	
					1	5
566-19353-250-10	19353	E	16 (65 x 34)	.353	304.54	276.29

SJTOW Belflex® Matte Black Premium PVC

- 300V, 105°C
- UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG (Stranded)	Nominal O.D. (In.)	250' Spool	
					1	5
566-19509-250-10	19509	E	18 (42 x 34)	.315	253.72	230.20
566-19510-250-10	19510	E	16 (65 x 34)	.340	346.14	312.36

SJT PVC Jacket (Smooth), Beldfoil® Shielded

- 300V, 60°C
- UL/CSA Listed

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG (Stranded)	Nominal O.D. (In.)	250' Spool	
					1	5
566-19364-250-10	19364	F	14 (41 x 30)	.402	472.21	428.45

DATATWIST® 5 SCTP CABLE (NETWORKING CABLE)

- TIA/EIA-B.2, Category 5 Unbonded-Pair Cable
- Solid Bare Copper
- Non-Plenum
- Polyolefin Insulation / PVC Jacket

Recommend Heat Shrink
alpha FIT221

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG	Nominal O.D. (In.)	1000' Spool	
					1	5
* 566-1624R-1000-02	1624R	G	24	.260	316.98	299.36
* 566-1583A-1000-10	1583A	I	24	.195	163.40	154.80
566-1633A-1000-06	1633A	G	24	.260	350.64	331.16
566-1864A-1000-06	1864A	H	24	.526	1611.54	1522.01

*Other Colors Available

DATATUFF® CAT 5E INDUSTRIAL ETHERNET CABLE

- Cat 5e Bonded-Pairs
- Non-Plenum
- Solid Bare Copper
- Polyolefin Insulation / PVC Jacket

Recommend Heat Shrink
alpha FIT221

MOUSER STOCK NO.	Belden Part No.	Fig.	No. Pairs	AWG	Nominal O.D. (In.)	1000' Spool	
						1	5
566-7918A-1000	7918A	I	4	24	.230	213.30	201.45
566-7919A-1000	7919A	J	4	24	.265	440.46	415.99
566-7921A-1000	7921A	J	4	24	.330	765.54	723.01
566-7929A-1000	7929A	J	4	24	.265	504.36	476.34
Enhanced Cat 5e							
566-7932A-1000	7923A	I	2	24	.230	220.64	210.48
566-7933A-1000	7933A	J	2	24	.235	329.21	314.07
566-7922A-1000	7922A	I	4	22	.301	442.31	421.97
566-7923A-1000-10	7923A	I	4	24	.230	286.38	270.47
**566-7924A-1000	7924A	I	4	24	.242	440.82	416.33
566-7928A-1000	7928A	I	4	24	.187	903.46	853.27
566-7934A-1000	7934A	I	4	24	.230	318.43	303.77
566-11700A-1000-10	11700A	K	4	24	.285	386.28	364.82
566-11700A2-1000	11700A2	K	4	24	.285	442.31	421.97
566-121700A-1000-10	121700A	L	4	24	.530	1893.42	1788.23

** Stranded Tinned Copper

DATATUFF® CAT 6 INDUSTRIAL ETHERNET CABLE

- Cat 6 Bonded-Pairs
- Non-Plenum
- Solid Bare Copper
- Polyolefin Insulation / PVC Jacket

Recommend Heat Shrink
alpha FIT221

MOUSER STOCK NO.	Belden Part No.	Fig.	AWG	Nominal O.D. (In.)	1000' Spool	
					1	5
566-7927A-1000	7927A	M	23	.251x.339	621.18	586.67
566-7931A-1000	7931A	N	23	.214	1236.15	1167.48
566-11872A-1000-10	11872A	O	23	.475x.265	532.80	503.20
566-121872A-1000-10	121872A	P	23	.684	2109.96	1992.74

WI-FI SHIELDED TWISTED PAIR (SCTP) CABLE

- Cat 5e Twisted Pairs
- Non-Plenum
- Solid Bare Copper
- Polyolefin Insulation / PVC Jacket

Recommend Heat Shrink
alpha FIT221

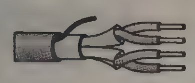
MOUSER STOCK NO.	Belden Part No.	Fig.	AWG	Nominal O.D. (In.)	1000' Spool	
					1	5
566-1300A-1000-10	1300A	J	24	.265	347.06	320.79

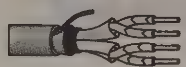
CABLE PREPARATION TOOL (FOR DATATWIST® CABLE)

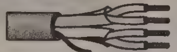
This tool makes it faster and easier to prepare cables for connector termination. It can be used to prepare any unbonded-pair cable for installation.

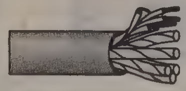
MOUSER STOCK NO.	Belden Part No.	Fig.	Price Each	
			1	5
566-1797B	1797B	Q	9.70	8.80

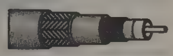
BELDEN LAN and Computer Cables

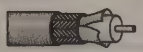

A

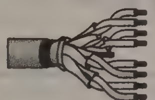

B

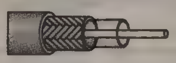

C

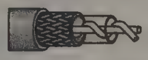

D

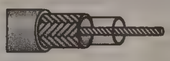

E

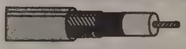

F

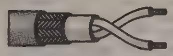

G

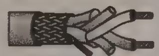

H


I


J


K


L


M

BELDEN IBM TYPE CABLES

Recommend Heat Shrink alpha FIT221

IBM Type 1A, IEEE 802.5 • Strand: Solid

										100' Spools		500' Spools		1000' Spools	
Belden Part No.	**Fig.**	Cable Type	IBM Part No.	NEC Type	AWG	No. of Pairs	Nom. O.D. (in.)	Nom. Imp. Ω	% Type Shield	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**		
9688	A	Non-Plenum	4716748	MPG/CMG	22	2	.296 x .431	150	100 / Foil, 65 Braid	566-9688-500	245.16	566-9688-1000	429.34		
82688	B	Plenum	4716749	CMP	22	2	.248 x .348	150	100 / Foil, 65 Braid	------------	-----	566-82688-1000	1266.51		

BELDEN COMPUTER CABLES, PAIRED, AND INDIVIDUALLY SHIELDED

Recommend Heat Shrink alpha FIT221

									100' Spools		500' Spools		1000' Spools	
Belden Part No.	**Fig.**	NEC Type	No. of Pairs	AWG	Stranded	Nom. O.D. (in.)	Nom. Imp. Ω	% Type Shield	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
8723	C	CM	2	22	7 x 30	.160	45	100 Foil	566-8723-100	46.34	566-8723-500	195.09	566-8723-1000	362.35
8777	D	CM	3	22	7 x 30	.273	50	100 Foil	566-8777-100	95.03	566-8777-500	399.65	566-8777-1000	799.33
8778	D	CM	6	22	7 x 30	.362	50	100 Foil	566-8778-100	172.45	566-8778-500	761.51	566-8778-1000	1450.82
9773	D	CM	3	18	19 x 30	.404	50	100 Foil	566-9773-100	153.05	------------	-----	566-9773-1000	1130.40

BELDEN LAN TRUNK CABLE

Recommend Heat Shrink alpha FIT221

IEEE 802.3 10 Base 5 LAN Trunk / Transceiver Coaxial Cables

									100' Spools		500' Spools		1000' Spools	
Belden Part No.	**Fig.**	Cable Type	NEC Type	AWG	Strand	Nom. O.D. (in.)	Nom. Imp.	% Type Shield	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
9880	E	Ethernet, Foil / Braid Shield	CL2/CM	12	Solid	.405	50	93 / 95	------------	-----	566-9880-500	859.07	------------	-----

Recommend Heat Shrink alpha FIT221

IEEE 802.3 10 Base 2 LAN Trunk Cable

9907	F	Ethernet, Foil / Braid Shield	CL2/CM	20	19 x 32	.185	50	93	------------	-----	566-9907-500	210.75	566-9907-1000	370.08
82907	F	Ethernet, Plenum, Flamarrest®	CL2P/CMP	20	19 x 32	.160	50	93	------------	-----	------------	-----	566-82907-1000	671.35

BELDEN LAN TRANSCEIVER CABLES

Recommend Heat Shrink alpha FIT221

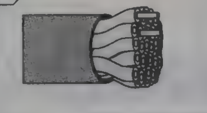
										100' Spools		500' Spools		1000' Spools	
Belden Part No.	**Fig.**	Cable Type	No. of Pairs	NEC Type	AWG	Stranded	Nom. O.D. (in.)	Nom. Imp.	% Type Shield	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
9901	G	UL2919	4	CL2P/CM	20	7 x 28	.415	78	Foil + 95 Braid	------------	-----	566-9901-500	1382.19	------------	-----

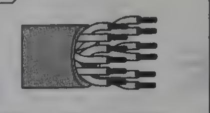
BELDEN COMPUTER CABLES

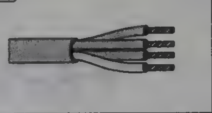
Recommend Heat Shrink alpha FIT221

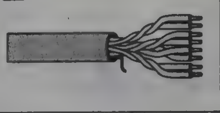
* Available in box only

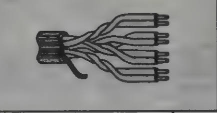
								100' Spools		500' Spools		1000' Spools	
Belden Part No.	**Fig.**	Description	AWG	Stranding	Nom. O.D. (in.)	Nom. Imp.	% Type Shield	**MOUSER STOCK NO.**	**Price Per 100' Spool**	**MOUSER STOCK NO.**	**Price Per 500' Spool**	**MOUSER STOCK NO.**	**Price Per 1000' Spool**
8240	H	51.5Ω Transmission Cable, RG58 /U	20	Solid	.193	51.5	95	566-8240-100	58.45	566-8240-500	200.67	566-8240-1000	401.41
9201	H	51.5Ω Transmission Cable, RG58 /U	20	Solid	.193	51.5	78	------------	-----	566-9201-500-10	158.47	566-9201-1000-10	297.72
82240	H	RG 58/U Type, Plenum	20	Solid	.159	53.5	95	------------	-----	*566-82240-U500	602.27	566-82240-1000	1085.15
9269	I	RG 62A/U Type	22	Solid	.239	93	95	------------	-----	566-9269-500	210.16	566-9269-1000	410.42
82269	I	RG 62/U Type, Plenum	22	Solid	.200	93	94	------------	-----	------------	-----	566-82269-1000	983.26
8216	J	RG 174/U Type	26	7 x 34	.110	50	90	566-8216-100	51.70	566-8216-500	179.19	566-8216-1000	314.64
8219	J	RG 58A/U	20	19 x 32	.194	53.5	93	------------	-----	566-8219-500	233.16	566-8219-1000	441.72
9311	K	RG 58A/U	20	19 x 32	.193	50	55	------------	-----	566-9311-500-10	342.30	566-9311-1000-10	641.34
9207	L	Twinaxial, Foil / Braid Shield	20	7 x 28	.330	100	86	566-9207-100	97.55	566-9207-500	431.14	566-9207-1000	820.83
9463	M	Twinaxial, Foil / Braid Shield	20	7 x 28	.238	78	100	566-9463-100	73.20	566-9463-500	305.02	566-9463-1000	609.95

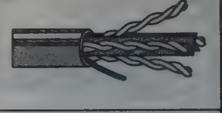
A


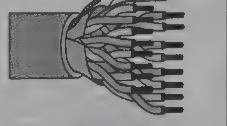
B


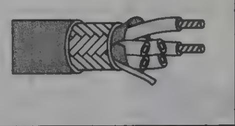
C


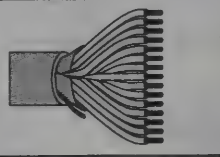
D


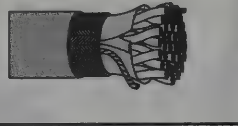
E


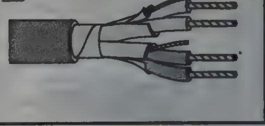
F


G


H


I


J


K


BELDEN TELEPHONE OR DATA CABLES

Recommend Heat Shrink alpha FIT221

Unshielded, Twisted Pairs

• AWG: 24 (Solid) ✱ Available in box only

						500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	No. of Pairs	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
1227A	A	Category 3, S-R Polyolefin Insulated, Gray PVC Jacket	CMR	2	.173	-----------	-----	✱ 566-1227A1-U1000-08	126.40
9562	B	Category 1, PVC Insulated, Gray PVC Jacket Chrome	CMG	2	.199	566-9562-500	172.32	566-9562-1000	260.59
9566	B	Category 1, PVC Insulated, Gray PVC Jacket Chrome	CMG	6	.289	566-9566-500	427.01	566-9566-1000	809.10
9585	B	Category 1, PVC Insulated, Gray PVC Jacket Chrome	CMG	25	.480	566-9585-500	1589.22	566-9585-1000	3011.22

Unshielded, 4 Conductor

• AWG: 22 (solid) • Bare Copper

1242A	C	Polyethylene Insulated, Light Gray PVC Jacket	CM	4	.154	-----------	-----	✱ 566-1242A-U1000-08	83.70

BELDEN TWISTED PAIR CABLES

COLOR CODE CHART

01=Brown	02=Red	03=Orange	04=Yellow
05=Green	06=Blue	07=Violet	08=Gray
09=White	10=Black		

Recommend Heat Shrink alpha FIT221

Unshielded, Twisted Pairs

• Nominal Impedance: 100Ω ✱Note: Stranded (7 x 32)

To order replace _ with applicable code for color desired

								1000' Spools	
Belden Part No.	Fig.	Description	Jacket Color	NEC Type	No. of Pairs	Nominal O.D. (In.)	AWG (Solid)	MOUSER STOCK NO.	Price Per 1000' Spool
1588A	D	Category 5e, Polyolefin Insulated, PVC Jacket	Gray	CM	2	.183	24	566-1588A-1000	210.23
1590A	D	Category 5e, FEP Insulated, Plenum Jacket	Blue	CMP	2	.165	24	566-1590A-1000	297.07
1583A	D	Category 5e, Polyolefin Insulated, PVC Jacket	02-06, 08-10	CM	4	.195	24	566-1583A-1000-__	163.40
1583B	D	Category 5e, Polyolefin Insulated, PVC Jacket	Pink	CM	4	.195	24	566-1583B-1000	173.93
1585A	D	Category 5e, FEP Insulated, Plenum Jacket	Natural	CMP	4	.198	24	566-1585A-1000	298.16
1585B	D	Category 5e, FEP Insulated, Plenum Jacket	Pink	CMP	4	.197	24	566-1585B-1000	435.03
1500A	D	Category 5e, Polyolefin Insulated, PVC Jacket	02-06, 09	CM	4	.190	24	566-1500A-1000-__	171.90
1501A	D	Category 5e, FEP Insulated, Plenum Jacket	02-05, 08, 09	CMP	4	.190	24	566-1501A-1000-__	330.18
1700A	D	Category 5e, Polyolefin Insulated, PVC Jacket	02-06, 09	CM	4	.200	24	566-1700A-1000-__	135.72
1701A	D	Category 5e, FEP Insulated, Plenum Jacket	02-05, 08-10	CMP	4	.195	24	566-1701A-1000-__	406.80
1702A	D	Category 5e, Polyolefin Insulated, PVC Jacket	Lt. Blue	CM	2 x 4	.200 x .415	24	566-1702A-1000-06	408.96
1703A	D	Category 5e, FEP Insulated, Plenum Jacket	Natural, 01-10	CMP	2 x 4	.195 x .405	24	566-1703A-1000	1037.52
✱1752A	D	Category 5e, Polyolefin Insulated, PVC Jacket	02-07, 10	CM	4	.220	24	566-1752A-1000-__	322.20
7882A	D	Category 6, FEP Insulated, Plenum Jacket	02-05, 07-10	CMP	4	.224	23	566-7882A-1000-__	509.38
7881A	D	Category 6, Polyolefin Insulated, PVC Jacket	02-10	CMR	4	.241	23	566-7881A-1000-__	258.16
1872A	E	Category 6, Polyolefin Insulated, PVC Jacket	02-07, 09, 10	CMR	4	.365 x .165	23	566-1872A-1000-__	264.06
✱1875GB	E	Category 6, Polyolefin Insulated, PVC Jacket	04-06, 09, 10	CMR	4	.365 x .165	24	566-1875GB-1000-__	366.66
1874A	E	Category 6, FEP Insulated, Plenum Jacket	02-05, 07, 09, 10	CMP	4	.365 x .165	23	566-1874A-1000-__	697.14
7851A	F	Category 6, Polyolefin Insulated, PVC Jacket	02-06, 09, 10	CMR	4	.227 x .315	23	566-7851A-1000-__	335.88
7852A	F	Category 6, FEP Insulated, Plenum Jacket	01-02, 04-10	CMP	4	.218 x .290	23	566-7852A-1000-__	955.08

Shielded, Twisted Pairs, For EIA RS-232 Applications

• AWG (Stranded): 24 (7 x 32) • Aluminum-Polyester Shield

						100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	No. of Pairs	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
9680	G	Polyethylene Insulated, PVC Jacket	CM	3	0.282	-----------	-----	566-9680-500	351.34	-----------	-----

Shielded, Twisted Pairs, For EIA RS-485 Applications

• AWG (Stranded): 24 (7 x 32) • Aluminum-Polyester Shield • Nominal Impedance: 120Ω

						100' Spools		500' Spools		1000' Spools	
9841	H	Polyethylene Insulated, Chrome PVC Jacket	CM	1	.232	566-9841-100	96.46	566-9841-500	376.18	566-9841-1000	712.80
9842	H	Polyethylene Insulated, Chrome PVC Jacket	CM	2	.340	566-9842-100	124.23	566-9842-500	484.52	566-9842-1000	918.00

Shielded, Multi-Conductor Cable For EIA RS-232 Applications

• AWG (Stranded): 24 (7 x 32) • Aluminum-Polyester Shield

						100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	No. of Cond.	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
9534	I	S-R PVC Insulated, Chrome PVC Jacket	CMG	4	.184	566-9534-100	44.31	566-9534-500	172.78	566-9534-1000	327.42
9539	I	S-R PVC Insulated, Chrome PVC Jacket	CMG	9	.244	566-9539-100	83.87	566-9539-500	327.01	566-9539-1000	619.56

Shielded, Twisted Pairs, For EIA RS-422 Applications

						100' Spools		500' Spools		1000' Spools	
Belden Part No.	Fig.	Description	NEC Type	No. of Pair	Nominal O.D. (In.)	MOUSER STOCK NO.	Price Per 100' Spool	MOUSER STOCK NO.	Price Per 500' Spool	MOUSER STOCK NO.	Price Per 1000' Spool
AWG (Stranded): 28 (7 x 36)											
9806	J	Polypropylene Insulated, Chrome PVC Jacket	CL2	4	.237	566-9806-100	143.70	-----------	-----	-----------	-----
AWG (Stranded): 24 (7 x 32)											
8102	J	Datalene® Insulation, Chrome PVC Jacket	CM	2	.270	566-8102-100	98.99	-----------	-----	-----------	-----
8103	J	Datalene® Insulation, Chrome PVC Jacket	CM	3	.283	566-8103-100	120.65	-----------	-----	-----------	-----
8104	J	Datalene® Insulation, Chrome PVC Jacket	CM	4	.302	566-8104-100	146.03	-----------	-----	-----------	-----
AWG (Stranded): 22 (7 x 30)											
8302	J	Semi-rigid PVC Insulation, Chrome PVC Jacket	CMG	2	.260	566-8302-100	102.77	-----------	-----	-----------	-----
8312	J	Semi-rigid PVC Insulation, Chrome PVC Jacket	CMG	12	.455	566-8312-100	339.46	-----------	-----	-----------	-----

Shielded Twisted Pairs, Low-Capacitance 100Ω Computer Cable

• AWG (Stranded): 24 (7 x 32)

9729	K	Datalene® Insulation, Chrome PVC Jacket	CM	2	.266	-----------	-----	-----------	-----	566-9729-1000	717.12
9730	K	Datalene® Insulation, Chrome PVC Jacket	CM	3	.334	566-9730-100	135.28	-----------	-----	-----------	-----

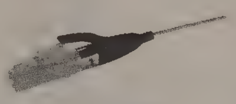
BELDEN Fiber Optic Products

OPTIMAX FIELD INSTALLABLE CONNECTORS

The Optimax Connectors are reliable field installable optical fiber connectors that are easy to install. They do not require epoxy, curing or polishing. Their unique design incorporates a factory polished fiber stub in a splice mechanism which provides a fast, secure, and reliable termination on optical fiber cables. All critical steps are performed in the factory, ensuring a superior-quality connection every time. These connectors are high-quality LC, SC and ST compatible connectors that use a ceramic ferrule with a physical contact (PC) polish for Multimode and super physical contact (SPC) polish for Singlemode that ensures the best possible mating of optical fibers.

ST=Straight Tip (Twist), SC= Standard Connector (Snap), LC= Local Connector (Snap)

A



B

C

For quantities of 25 and up, call for quote.

Mouser Stock No.	Belden Part No.	Fig.	Description	Price Each	
				1	10
566-AX101981	AX101981	A	Local Connector (Snap) 62.5 mm, Multimode, for 900 mm buffered fiber only	25.48	22.93
566-AX101982	AX101982	A	Local Connector (Snap) 50 mm, Multimode, for 900 mm buffered fiber only	25.48	22.93
566-AX101983	AX101983	A	Local Connector (Snap) Singlemode, for 900 mm buffered fiber only	33.55	30.20
566-AX100029	AX100029	B	Standard Connector (Snap) 62.5 mm, Multimode, for 900 mm buffered fiber only	20.95	18.86
566-AX101077	AX101077	B	Standard Connector (Snap) 50 mm, Multimode, for 900 mm buffered fiber only	20.95	18.86
566-AX101792	AX101792	B	Standard Connector (Snap) Singlemode, for 900 mm buffered fiber only	32.65	29.39
566-A0408835	A0408835	C	Straight Tip (Twist) Compatible 62.5 mm, Multimode, for 900 mm buffered fiber only	34.32	30.90
566-AX101075	AX101075	C	Straight Tip (Twist) Compatible 50 mm, Multimode, for 900 mm buffered fiber only	20.95	18.86
566-AX101791	AX101791	C	Straight Tip (Twist) Compatible, Singlemode, for 900 mm buffered fiber only	32.65	29.39

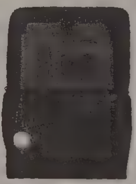
Accessory Kits for Jacketed Fiber

For quantities of 25 and up, call for quote.

Mouser Stock No.	Belden Part No.	Fig.	Description	Price Each	
				1	10
566-AX101984	AX101984	A	Local Connector (Snap), Contains a 2 mm boot and a crimp sleeve	2.83	2.54
566-AX101794	AX101794	B	Standard Connector (Snap), contains 3 mm boot, crimp sleeves and a cord adapter	2.58	2.32
566-AX101793	AX101793	C	Straight Tip (Twist), contains 3 mm boot, crimp sleeves	2.58	2.32

OPTIMAX TOOL KIT

This kit it packaged in a small convenient carrying case and is LC/SC/ST Compatible. It includes installation tools, fiber cleaver, crimping tool, instruction manual, microscope, tweezers, alcohol wipes, marker, scissors, waste bottle, fiber stripper, cable stripper and Training Video. This kit is made to terminate 900 mm buffered optical fiber and jacketed optical fiber.



For quantities of 25 and up, call for quote.

Mouser Stock No.	Belden Part No.	Price Each	
		1	10
566-AX100947	AX100947	1299.00	1268.46

FIBER PATCH CORDS

FiberExpress Duplex Patch Cord Assemblies are of the highest quality available. They are assembled and 100% optically tested in the factory prior to shipment. All patch cords are built with high-quality connectors and cables which guarantees superior performance and excellent reliability.

Duplex Patch Cord

For quantities of 25 and up, call for quote.

Mouser Stock No.	Belden Part No.	Description	Price Each	
			1	10
566-70102420	70102420	Multimode, FX300, 62.5 mm Straight Tip (Twist) to Straight Tip (Twist), 3m (10ft.)	49.98	44.98
566-AX200057	AX200057	Multimode, FX300, 62.5 mm Standard Connector (Snap) to Standard Connector (Snap), 3m (10ft.)	54.15	48.74
566-AX200518	AX200518	Multimode, FX300, 62.5 mm Local Connector (Snap) duplex to Local Connector (Snap) duplex, 3m (10ft.)	88.43	79.58
566-AX200795	AX200795	Multimode, FX2000, 50 mm Straight Tip (Twist) to Straight Tip (Twist), 3m (10ft.)	51.50	46.35
566-AX200589	AX200589	Multimode, FX2000, 50 mm Standard Connector (Snap) to Standard Connector (Snap), 3m (10ft.)	58.20	52.38
566-AX200665	AX200665	Multimode, FX2000, 50 mm Local Connector (Snap) duplex to Local Connector (Snap) duplex, 3m (10ft.)	89.88	80.89
566-AX200091	AX200091	Singlemode SPC, Straight Tip (Twist) to Straight Tip (Twist), 3m (10ft.)	99.38	89.44
566-AX200095	AX200095	Singlemode SPC, Standard Connector (Snap) to Standard Connector (Snap), 3m (10ft.)	118.65	106.79
566-AX200508	AX200508	Singlemode SPC, Local Connector (Snap) duplex to Local Connector (Snap) duplex, 3m (10ft.)	126.20	113.58

Hybrid Patch Cord

For quantities of 25 and up, call for quote.

Mouser Stock No.	Belden Part No.	Description	Price Each	
			1	10
566-AX200580	AX200580	Multimode FX300, 62.5 mm Local Connector (Snap) duplex to Standard Connector (Snap), 3m (10ft.)	67.88	61.08
566-AX200668	AX200668	Multimode, FX2000, 50 mm Local Connector (Snap) duplex to Standard Connector (Snap), 3m (10ft.)	69.26	62.32
566-AX200667	AX200667	Singlemode SPC, Local Connector (Snap) duplex to Standard Connector (Snap), 3m (10 ft.)	124.48	112.03

INTERCONNECT SERIES FIBER OPTIC CABLES

Interconnect Cables are designed for low fiber-count premises environments. They are small and very flexible, making them ideal for confined spaces Their aesthetic appearance makes these cables suitable for use in open office environments.

Features & Benefits:

- Length markings to facilitate installation
- Meets OFNR/FT4 riser and OFNP/FT6 rating requirements
- One sub-unit is marked to permit easy identification of transmit and receive fibers

Applications:

- Patch panels
- Workstation equipment connectors
- Horizontal distribution in open office environments

Belden Part No.	Number of Fibers	Outside Diameter: in. (mm)	Description	1000' Spool Mouser Stock No.	Price Per 1000' Spool	
					1	2
M96915	2	0.11 x 0.23 (2.9 x 5.9)	62.5 / 125 mm Std. / 1 Gbe	566-M96915-1000	250.23	229.84
M9C002	2	0.11 x 0.23 (2.9 x 5.9)	50 / 125 mm 10 Gbe - 300M	566-M9C002-1000	347.75	319.41

3M™ Molded Flat Ribbon Cable Assemblies

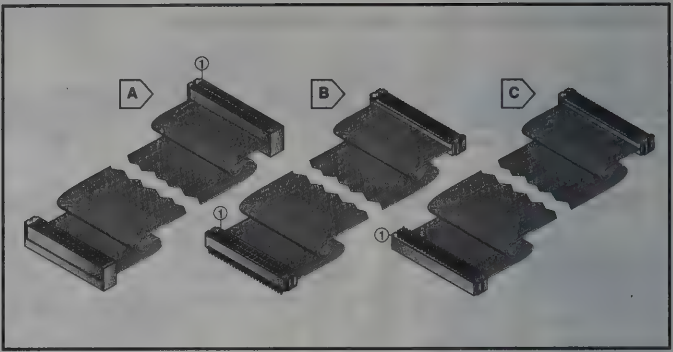
2MM MOLDED FLAT RIBBON CABLE ASSEMBLIES

Features:
- Rugged termination
- Sockets mate with standard 2mm x 2mm headers and plugs
- Molded-in strain relief
- Low profile sockets with military polarization slots
- 28 AWG stranded, PVC flat cable
- No center bump
- No marking

Specifications:
- Voltage rating: 30V
- Temperature rating: -20°C to +105°C
- Connector orientation: Up-Up

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Con.	Length (In.)	Price Each	
					1	5
Socket To Socket						
517-2M-ACAC-010-3	2M-ACAC-010-3625-003.0-00-AB-00-0	A	10	3	**6.05**	**5.46**
517-2M-ACAC-010-6	2M-ACAC-010-3625-006.0-00-AB-00-0	A	10	6	**6.21**	**5.60**
517-2M-ACAC-010-12	2M-ACAC-010-3625-012.0-00-AB-00-0	A	10	12	**6.49**	**5.85**
517-2M-ACAC-016-3	2M-ACAC-016-3625-003.0-00-AB-00-0	A	16	3	**6.15**	**5.55**
517-2M-ACAC-016-6	2M-ACAC-016-3625-006.0-00-AB-00-0	A	16	6	**6.37**	**5.75**
517-2M-ACAC-016-12	2M-ACAC-016-3625-012.0-00-AB-00-0	A	16	12	**6.83**	**6.16**
517-2M-ACAC-020-3	2M-ACAC-020-3625-003.0-00-AB-00-0	A	20	3	**7.33**	**6.62**
517-2M-ACAC-020-6	2M-ACAC-020-3625-006.0-00-AB-00-0	A	20	6	**7.62**	**6.87**
517-2M-ACAC-020-12	2M-ACAC-020-3625-012.0-00-AB-00-0	A	20	12	**8.18**	**7.38**
517-2M-ACAC-024-3	2M-ACAC-024-3625-003.0-00-AB-00-0	A	24	3	**7.39**	**6.67**
517-2M-ACAC-024-6	2M-ACAC-024-3625-006.0-00-AB-00-0	A	24	6	**7.73**	**6.98**
517-2M-ACAC-024-12	2M-ACAC-024-3625-012.0-00-AB-00-0	A	24	12	**8.40**	**7.58**
517-2M-ACAC-026-3	2M-ACAC-026-3625-003.0-00-AB-00-0	A	26	3	**7.42**	**6.70**
517-2M-ACAC-026-6	2M-ACAC-026-3625-006.0-00-AB-00-0	A	26	6	**7.79**	**7.03**
517-2M-ACAC-026-12	2M-ACAC-026-3625-012.0-00-AB-00-0	A	26	12	**8.51**	**7.69**
517-2M-ACAC-030-3	2M-ACAC-030-3625-003.0-00-AB-00-0	A	30	3	**10.58**	**9.55**
517-2M-ACAC-030-6	2M-ACAC-030-3625-006.0-00-AB-00-0	A	30	6	**11.00**	**9.93**
517-2M-ACAC-030-12	2M-ACAC-030-3625-012.0-00-AB-00-0	A	30	12	**11.84**	**10.69**
517-2M-ACAC-040-3	2M-ACAC-040-3625-003.0-00-AB-00-0	A	40	3	**10.72**	**9.68**
517-2M-ACAC-040-6	2M-ACAC-040-3625-006.0-00-AB-00-0	A	40	6	**11.28**	**10.18**
517-2M-ACAC-040-12	2M-ACAC-040-3625-012.0-00-AB-00-0	A	40	12	**12.40**	**11.19**
517-2M-ACAC-044-3	2M-ACAC-044-3625-003.0-00-AB-00-0	A	44	3	**11.62**	**10.49**
517-2M-ACAC-044-6	2M-ACAC-044-3625-006.0-00-AB-00-0	A	44	6	**12.24**	**11.05**
517-2M-ACAC-044-12	2M-ACAC-044-3625-012.0-00-AB-00-0	A	44	12	**13.48**	**12.16**
517-2M-ACAC-050-3	2M-ACAC-050-3625-003.0-00-AB-00-0	A	50	3	**11.70**	**10.56**
517-2M-ACAC-050-6	2M-ACAC-050-3625-006.0-00-AB-00-0	A	50	6	**12.41**	**11.20**
517-2M-ACAC-050-12	2M-ACAC-050-3625-012.0-00-AB-00-0	A	50	12	**13.79**	**12.44**
Socket To PCB Plug						
517-2M-ACBC-010-3	2M-ACBC-010-3625-003.0-00-AB-00-0	B	10	3	**4.09**	**3.69**
517-2M-ACBC-010-6	2M-ACBC-010-3625-006.0-00-AB-00-0	B	10	6	**4.23**	**3.82**
517-2M-ACBC-010-12	2M-ACBC-010-3625-012.0-00-AB-00-0	B	10	12	**4.51**	**4.07**
517-2M-ACBC-016-3	2M-ACBC-016-3625-003.0-00-AB-00-0	B	16	3	**4.18**	**3.77**
517-2M-ACBC-016-6	2M-ACBC-016-3625-006.0-00-AB-00-0	B	16	6	**4.40**	**3.97**
517-2M-ACBC-016-12	2M-ACBC-016-3625-012.0-00-AB-00-0	B	16	12	**4.85**	**4.38**
517-2M-ACBC-020-3	2M-ACBC-020-3625-003.0-00-AB-00-0	B	20	3	**5.50**	**4.97**
517-2M-ACBC-020-6	2M-ACBC-020-3625-006.0-00-AB-00-0	B	20	6	**5.78**	**5.22**
517-2M-ACBC-020-12	2M-ACBC-020-3625-012.0-00-AB-00-0	B	20	12	**6.33**	**5.71**
517-2M-ACBC-026-3	2M-ACBC-026-3625-003.0-00-AB-00-0	B	26	3	**5.59**	**5.04**
517-2M-ACBC-026-6	2M-ACBC-026-3625-006.0-00-AB-00-0	B	26	6	**5.95**	**5.37**
517-2M-ACBC-026-12	2M-ACBC-026-3625-012.0-00-AB-00-0	B	26	12	**6.67**	**6.02**
517-2M-ACBC-030-3	2M-ACBC-030-3625-003.0-00-AB-00-0	B	30	3	**7.83**	**7.07**
517-2M-ACBC-030-6	2M-ACBC-030-3625-006.0-00-AB-00-0	B	30	6	**8.25**	**7.45**
517-2M-ACBC-030-12	2M-ACBC-030-3625-012.0-00-AB-00-0	B	30	12	**9.09**	**8.21**
517-2M-ACBC-040-3	2M-ACBC-040-3625-003.0-00-AB-00-0	B	40	3	**7.97**	**7.20**
517-2M-ACBC-040-6	2M-ACBC-040-3625-006.0-00-AB-00-0	B	40	6	**8.53**	**7.70**
517-2M-ACBC-040-12	2M-ACBC-040-3625-012.0-00-AB-00-0	B	40	12	**9.65**	**8.71**
517-2M-ACBC-044-3	2M-ACBC-044-3625-003.0-00-AB-00-0	B	44	3	**9.09**	**8.20**
517-2M-ACBC-044-6	2M-ACBC-044-3625-006.0-00-AB-00-0	B	44	6	**9.70**	**8.76**
517-2M-ACBC-044-12	2M-ACBC-044-3625-012.0-00-AB-00-0	B	44	12	**10.93**	**9.87**
517-2M-ACBC-050-3	2M-ACBC-050-3625-003.0-00-AB-00-0	B	50	3	**9.17**	**8.28**
517-2M-ACBC-050-6	2M-ACBC-050-3625-006.0-00-AB-00-0	B	50	6	**9.87**	**8.91**
517-2M-ACBC-050-12	2M-ACBC-050-3625-012.0-00-AB-00-0	B	50	12	**11.27**	**10.17**
PCB Plug To PCB Plug						
517-2M-BCBC-010-3	2M-BCBC-010-3625-003.0-00-AB-00-0	C	10	3	**2.15**	**1.94**
517-2M-BCBC-010-6	2M-BCBC-010-3625-006.0-00-AB-00-0	C	10	6	**2.25**	**2.03**
517-2M-BCBC-016-3	2M-BCBC-016-3625-003.0-00-AB-00-0	C	16	3	**2.20**	**1.98**
517-2M-BCBC-016-6	2M-BCBC-016-3625-006.0-00-AB-00-0	C	16	6	**2.42**	**2.19**
517-2M-BCBC-016-12	2M-BCBC-016-3625-012.0-00-AB-00-0	C	16	12	**2.87**	**2.59**
517-2M-BCBC-020-6	2M-BCBC-020-3625-006.0-00-AB-00-0	C	20	6	**3.89**	**3.51**
517-2M-BCBC-020-12	2M-BCBC-020-3625-012.0-00-AB-00-0	C	20	12	**4.51**	**4.07**
517-2M-BCBC-026-3	2M-BCBC-026-3625-003.0-00-AB-00-0	C	26	3	**3.75**	**3.39**
517-2M-BCBC-030-12	2M-BCBC-030-3625-012.0-00-AB-00-0	C	30	12	**6.34**	**5.72**
517-2M-BCBC-040-12	2M-BCBC-040-3625-012.0-00-AB-00-0	C	40	12	**6.90**	**6.23**
517-2M-BCBC-044-12	2M-BCBC-044-3625-012.0-00-AB-00-0	C	44	12	**8.40**	**7.58**
517-2M-BCBC-050-3	2M-BCBC-050-3625-003.0-00-AB-00-0	C	50	3	**6.67**	**6.02**
517-2M-BCBC-050-12	2M-BCBC-050-3625-012.0-00-AB-00-0	C	50	12	**8.73**	**7.88**



.100" MOLDED FLAT RIBBON CABLE ASSEMBLIES

Features:
- Rugged termination
- Sockets mate with standard .100" x .100" headers and plugs
- Molded-in strain relief
- Low profile sockets with military polarization slots
- 28 AWG stranded, PVC flat cable
- No center bump
- No marking

Specifications:
- Voltage rating: 30V
- Temperature rating: -20°C to +105°C
- Connector orientation: Up-Up

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Con.	Length (In.)	Price Each	
					1	5
Socket To Socket						
517-1M-1010-010-6	1M-1010-010-3365-006.0-00-AB-00-0	A	10	6	**2.66**	**2.40**
517-1M-1010-010-12	1M-1010-010-3365-012.0-00-AB-00-0	A	10	12	**2.88**	**2.60**
517-1M-1010-010-18	1M-1010-010-3365-018.0-00-AB-00-0	A	10	18	**3.12**	**2.82**
517-1M-1010-014-6	1M-1010-014-3365-006.0-00-AB-00-0	A	14	6	**2.73**	**2.47**
517-1M-1010-014-12	1M-1010-014-3365-012.0-00-AB-00-0	A	14	12	**3.07**	**2.77**
517-1M-1010-014-18	1M-1010-014-3365-018.0-00-AB-00-0	A	14	18	**3.41**	**3.08**
517-1M-1010-016-6	1M-1010-016-3365-006.0-00-AB-00-0	A	16	6	**2.79**	**2.51**
517-1M-1010-016-12	1M-1010-016-3365-012.0-00-AB-00-0	A	16	12	**3.17**	**2.86**
517-1M-1010-016-18	1M-1010-016-3365-018.0-00-AB-00-0	A	16	18	**3.55**	**3.21**
517-1M-1010-020-6	1M-1010-020-3365-006.0-00-AB-00-0	A	20	6	**3.84**	**3.47**
517-1M-1010-020-12	1M-1010-020-3365-012.0-00-AB-00-0	A	20	12	**4.35**	**3.93**
517-1M-1010-020-18	1M-1010-020-3365-018.0-00-AB-00-0	A	20	18	**4.80**	**4.34**
517-1M-1010-026-6	1M-1010-026-3365-006.0-00-AB-00-0	A	26	6	**4.72**	**4.26**
517-1M-1010-026-12	1M-1010-026-3365-012.0-00-AB-00-0	A	26	12	**5.34**	**4.82**
517-1M-1010-026-18	1M-1010-026-3365-018.0-00-AB-00-0	A	26	18	**5.97**	**5.39**
517-1M-1010-034-6	1M-1010-034-3365-006.0-00-AB-00-0	A	34	6	**6.60**	**5.96**
517-1M-1010-034-12	1M-1010-034-3365-012.0-00-AB-00-0	A	34	12	**7.42**	**6.70**
517-1M-1010-034-18	1M-1010-034-3365-018.0-00-AB-00-0	A	34	18	**8.24**	**7.44**
517-1M-1010-040-6	1M-1010-040-3365-006.0-00-AB-00-0	A	40	6	**6.75**	**6.09**
517-1M-1010-040-12	1M-1010-040-3365-012.0-00-AB-00-0	A	40	12	**7.71**	**6.96**
517-1M-1010-040-18	1M-1010-040-3365-018.0-00-AB-00-0	A	40	18	**8.65**	**7.80**
517-1M-1010-050-6	1M-1010-050-3365-006.0-00-AB-00-0	A	50	6	**6.99**	**6.31**
517-1M-1010-050-12	1M-1010-050-3365-012.0-00-AB-00-0	A	50	12	**8.19**	**7.40**
517-1M-1010-050-18	1M-1010-050-3365-018.0-00-AB-00-0	A	50	18	**9.40**	**8.48**
517-1M-1010-060-6	1M-1010-060-3365-006.0-00-AB-00-0	A	60	6	**7.23**	**6.53**
517-1M-1010-060-12	1M-1010-060-3365-012.0-00-AB-00-0	A	60	12	**8.67**	**7.83**
517-1M-1010-060-18	1M-1010-060-3365-018.0-00-AB-00-0	A	60	18	**10.11**	**9.13**
517-1M-1010-064-6	1M-1010-064-3365-006.0-00-AB-00-0	A	64	6	**7.33**	**6.61**
517-1M-1010-064-12	1M-1010-064-3365-012.0-00-AB-00-0	A	64	12	**8.86**	**8.00**
517-1M-1010-064-18	1M-1010-064-3365-018.0-00-AB-00-0	A	64	18	**10.40**	**9.39**
Socket To PCB Plug						
517-1M-1021-010-6	1M-1021-010-3365-006.0-00-AB-00-0	B	10	6	**2.66**	**2.40**
517-1M-1021-010-12	1M-1021-010-3365-012.0-00-AB-00-0	B	10	12	**2.88**	**2.60**
517-1M-1021-010-18	1M-1021-010-3365-018.0-00-AB-00-0	B	10	18	**3.16**	**2.86**
517-1M-1021-014-6	1M-1021-014-3365-006.0-00-AB-00-0	B	14	6	**2.77**	**2.50**
517-1M-1021-014-12	1M-1021-014-3365-012.0-00-AB-00-0	B	14	12	**3.11**	**2.81**
517-1M-1021-014-18	1M-1021-014-3365-018.0-00-AB-00-0	B	14	18	**3.39**	**3.06**
517-1M-1021-016-6	1M-1021-016-3365-006.0-00-AB-00-0	B	16	6	**2.77**	**2.50**
517-1M-1021-016-12	1M-1021-016-3365-012.0-00-AB-00-0	B	16	12	**3.16**	**2.86**
517-1M-1021-016-18	1M-1021-016-3365-018.0-00-AB-00-0	B	16	18	**3.56**	**3.21**
517-1M-1021-020-6	1M-1021-020-3365-006.0-00-AB-00-0	B	20	6	**4.24**	**3.83**
517-1M-1021-020-18	1M-1021-020-3365-018.0-00-AB-00-0	B	20	18	**5.20**	**4.69**
517-1M-1021-026-6	1M-1021-026-3365-006.0-00-AB-00-0	B	26	6	**4.75**	**4.28**
517-1M-1021-034-6	1M-1021-034-3365-006.0-00-AB-00-0	B	34	6	**6.55**	**5.92**
517-1M-1021-034-12	1M-1021-034-3365-012.0-00-AB-00-0	B	34	12	**7.35**	**6.63**
517-1M-1021-040-6	1M-1021-040-3365-006.0-00-AB-00-0	B	40	6	**6.67**	**6.02**
517-1M-1021-040-12	1M-1021-040-3365-012.0-00-AB-00-0	B	40	12	**7.63**	**6.89**
517-1M-1021-050-6	1M-1021-050-3365-006.0-00-AB-00-0	B	50	6	**8.14**	**7.34**
517-1M-1021-050-18	1M-1021-050-3365-018.0-00-AB-00-0	B	50	18	**10.51**	**9.49**
517-1M-1021-060-18	1M-1021-060-3365-018.0-00-AB-00-0	B	60	18	**11.24**	**10.15**
517-1M-1021-064-6	1M-1021-064-3365-006.0-00-AB-00-0	B	64	6	**8.48**	**7.65**
517-1M-1021-064-12	1M-1021-064-3365-012.0-00-AB-00-0	B	64	12	**10.00**	**9.03**
517-1M-1021-064-18	1M-1021-064-3365-018.0-00-AB-00-0	B	64	18	**11.53**	**10.40**

AMP Cable Assemblies

RoHS Compliant **This page of product is compliant.**

USB CABLE ASSEMBLIES

Features:
- High density design
- Supports "Plug and Play" peripheral connectivity
- Designed for 480MB/s transfer rate
- RoHS compliant per Tyco Electronics documentation

Specifications:
- Applied Voltage Rating: 30VAC
- Mating Force: 1 oz.
- Durability: 1500 Cycles

File No. E81956

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Color	Length (M)	Price Each			
						1	5	10	25
571-1487594-3	1487594-3	A	USB, A-B, 28/28	Black	.16	1.62	1.50	1.38	1.30
571-1487586-3	1487586-3	A	USB, A-B, 28/28	White	.16	1.42	1.28	1.21	1.14
571-1487594-2	1487594-2	A	USB, A-B, 28/28	Black	.25	2.00	1.82	1.64	1.55
571-1487586-2	1487586-2	A	USB, A-B, 28/28	White	.25	1.66	1.54	1.41	1.33
571-1487594-4	1487594-4	A	USB, A-B, 28/28	Black	.31	2.21	2.10	1.89	1.79
571-1487586-4	1487586-4	A	USB, A-B, 28/28	White	.31	1.76	1.58	1.50	1.41
571-1487594-1	1487594-1	A	USB, A-B, 28/28	Black	.5	1.84	1.70	1.56	1.47
571-1487586-1	1487586-1	A	USB, A-B, 28/28	White	.5	2.08	1.98	1.78	1.68
571-1487595-3	1487595-3	A	USB, A-B, 28/26	Black	.83	2.67	2.54	2.29	2.16
571-1487587-3	1487587-3	A	USB, A-B, 28/26	White	.83	2.50	2.25	2.13	2.00
571-1487595-1	1487595-1	A	USB, A-B, 28/26	Black	1	2.92	2.78	2.50	2.36
571-1487587-1	1487587-1	A	USB, A-B, 28/26	White	1	2.74	2.47	2.33	2.19
571-1487595-2	1487595-2	A	USB, A-B, 28/26	Black	1.3	3.19	3.04	2.74	2.58
571-1487587-2	1487587-2	A	USB, A-B, 28/26	White	1.3	3.48	3.13	2.95	2.78
571-1487596-2	1487596-2	A	USB, A-B, 28/24	Black	1.5	3.61	3.44	3.10	2.92
571-1487588-2	1487588-2	A	USB, A-B, 28/24	White	1.5	3.98	3.62	3.26	3.08
571-1487596-3	1487596-3	A	USB, A-B, 28/24	Black	1.8	4.33	3.94	3.55	3.35
571-1487588-3	1487588-3	A	USB, A-B, 28/24	White	1.8	3.70	3.33	3.15	2.96
571-1487596-1	1487596-1	A	USB, A-B, 28/24	Black	2	4.49	4.08	3.67	3.47
571-1487588-1	1487588-1	A	USB, A-B, 28/24	White	2	4.47	4.26	3.83	3.62
571-1487597-2	1487597-2	A	USB, A-B, 25/22	Black	2.5	4.12	3.71	3.50	3.30
571-1487589-2	1487589-2	A	USB, A-B, 25/22	White	2.5	3.50	3.24	2.98	2.80
571-1487597-1	1487597-1	A	USB, A-B, 25/22	Black	3	4.74	4.38	4.03	3.79
571-1487589-1	1487589-1	A	USB, A-B, 25/22	White	3	6.89	6.56	5.90	5.58
571-1487598-1	1487598-1	A	USB, A-B, 25/20	Black	4	5.52	5.11	4.69	4.42
571-1487590-1	1487590-1	A	USB, A-B, 25/20	White	4	10.29	9.80	8.82	8.33
571-1487598-2	1487598-2	A	USB, A-B, 25/20	Black	5	14.60	13.90	12.51	11.82
571-1487590-2	1487590-2	A	USB, A-B, 25/20	White	5	8.06	7.46	6.85	6.45
571-1487599-1	1487594-3	B	USB, A-BLUNT, 28/28	Black	.83	2.18	2.08	1.87	1.77
571-1487591-1	1487591-1	B	USB, A-BLUNT, 28/28	White	.83	1.89	1.80	1.62	1.53
571-1487600-1	1487600-1	B	USB, A-BLUNT, 28/26	Black	1	1.90	1.76	1.62	1.52
571-1487592-1	1487592-1	B	USB, A-BLUNT, 28/26	White	1	1.54	1.42	1.31	1.23
571-1487601-2	1487601-2	B	USB, A-BLUNT, 28/24	Black	1.5	3.37	3.06	2.75	2.60
571-1487593-2	1487593-2	B	USB, A-BLUNT, 28/24	White	1.5	2.06	1.91	1.75	1.65
571-1487601-1	1487601-1	B	USB, A-BLUNT, 28/24	Black	2	3.81	3.46	3.11	2.94
571-1487593-1	1487593-1	B	USB, A-BLUNT, 28/24	White	2	2.38	2.20	2.02	1.90

DVI CABLE ASSEMBLIES

Features:
- Designed to meet the Digital Display Working Group, Digital Visual Interface (DVI) specification
- Bridges the transition from analog to digital video display designs
- Supports digital and/or analog video functions
- RoHS compliant per Tyco Electronics documentation

Specifications:
- Applied Voltage Rating: 40VAC
- Mating Force: 10.0 lbs. Max.
- Durability: 100 Cycles

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Length (M)	Price Each			
					1	5	10	25
571-1653927-1	1653927-1	C	DVI-D to DVI-D Single Link	1	16.62	15.37	14.13	13.30
571-1653927-2	1653927-2	C	DVI-D to DVI-D Single Link	2	19.32	17.87	16.42	15.46
571-1653927-3	1653927-3	C	DVI-D to DVI-D Single Link	3	22.00	20.35	18.70	17.60
571-1653928-1	1653928-1	C	DVI-D to DVI-D Dual Link	1	17.78	16.45	15.11	14.22
571-1653928-2	1653928-2	C	DVI-D to DVI-D Dual Link	2	21.94	20.29	18.65	17.55
571-1653928-3	1653928-3	C	DVI-D to DVI-D Dual Link	3	25.02	23.14	21.27	20.02
571-1653929-1	1653929-1	C	DVI-I to DVI-I	1	18.86	17.45	16.03	15.09
571-1653929-2	1653929-2	C	DVI-I to DVI-I	2	23.32	21.57	19.82	18.66
571-1653929-3	1653929-3	C	DVI-I to DVI-I	3	28.22	26.10	23.99	22.58
571-1653932-1	1653932-1	D	DVI-A to 15 POSN VGA	1	12.98	12.01	11.03	10.38
571-1653932-2	1653932-2	D	DVI-A to 15 POSN VGA	2	16.22	15.00	13.79	12.98
571-1653932-3	1653932-3	D	DVI-A to 15 POSN VGA	3	19.66	18.19	16.71	15.73

HDMI CABLE ASSEMBLIES

Features:
- Simple User Friendly Connector
- Replaces existing audio and digital cabling in one assembly
- Full shielding for ESD protection and lead-free process capable
- RoHS compliant per Tyco Electronics documentation

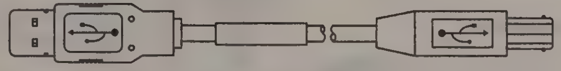
Specifications:
- Applied Voltage Rating: 40VAC
- Mating Force: 9.9 lbs. Max.
- Durability: 10,000 Cycles

RoHS Compliant

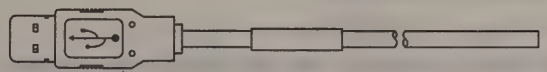
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Length (mm)	Price Each			
					1	5	10	25
571-1770019-3	1770019-3	E	HDMI to HDMI	250	12.18	11.27	10.35	9.74
571-1770019-4	1770019-4	E	HDMI to HDMI	500	17.87	17.02	15.32	14.47
571-1770019-5	1770019-5	E	HDMI to HDMI	750	19.40	18.24	16.63	15.71
571-1770019-6	1770019-6	E	HDMI to HDMI	1000	19.28	18.36	16.52	15.61
571-1770019-1	1770019-1	E	HDMI to HDMI	2000	18.40	17.02	15.64	14.72
571-1770019-2	1770019-2	E	HDMI to HDMI	3000	21.26	19.67	18.07	17.01
571-1770020-3	1770020-3	F	HDMI to DVI	250	15.78	14.60	13.41	12.62
571-1770020-4	1770020-4	F	HDMI to DVI	500	16.68	15.43	14.18	13.34
571-1770020-5	1770020-5	F	HDMI to DVI	750	17.60	16.28	14.96	14.08
571-1770020-6	1770020-6	F	HDMI to DVI	1000	18.46	17.08	15.69	14.77
571-1770020-1	1770020-1	F	HDMI to DVI	2000	22.12	20.46	18.80	17.70
571-1770020-2	1770020-2	F	HDMI to DVI	3000	24.18	22.37	20.55	19.34

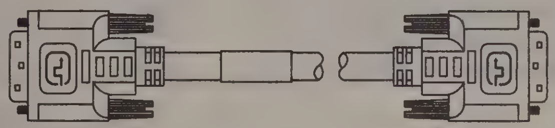
A



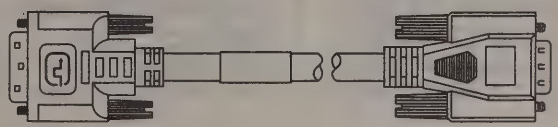
B



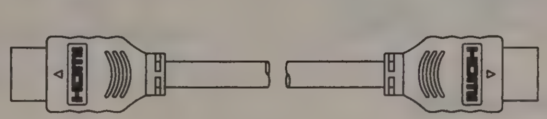
C



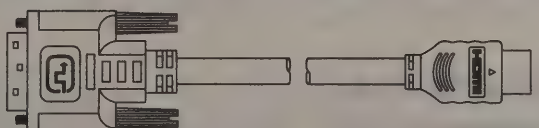
D



E



F



UMCC – Ultraminiature Cable Assemblies & Connectors

Tyco Electronics
Authorized Distributor

RoHS Compliant **This page of product is compliant.**

UMCC CABLE ASSEMBLIES

Description:
- Extremely Low Profile
- Surface Mount Technology
- 360° mated rotation

Applications:
- Wireless LAN, Mini PCI
- Mobile Antenna/GPS/Radio Systems
- PDA / PCS / Cellular Handset Applications
- Wireless Communications Systems (LAN, GSM, PCS, WCDMA, UMTS)
- Remote Measuring Equipment

Specifications:
- Characteristic Impedance: 50Ω
- Frequency Range: DC to 6 GHz
- VSWR (mated pair): 1.30 max DC to 3 GHz
- 1.40 max 3 to 6 GHz (cable dependent)
- Durability: 30 cycles
- Operating Temperature: - 40°C to + 90°C

- RoHS Compliant per Tyco Electronics Documentation

Features:
- Ultra Low Profile (2.0mm or 2.5mm maximum mated height)
- Easy snap on/off mating
- Small footprint on PCB (3mm x 3mm)
- Excellent performance to 6 GHz
- Surface Mount and Reflow Solderable
- Available on 0.80mm and 1.37mm dia. single shield, and 1.32mm dia. double shield cable
- **Style A** Receptacles mates with HIROSE† U.FL/U.FL(v) Series Connectors
- **Style B** Receptacles mates with MURATA† GSC Series Connectors

† HIROSE is a trademark of Hirose Electric U.S.A. Hirose Electric U.S.A. is not affiliated with the UMCC product.

† MURATA is a trademark of Murata Manufacturing Company, Ltd. Murata Manufacturing Company, Ltd. is not affiliated with the UMCC product.

RoHS Compliant

STANDARD DOUBLE ENDED CABLE ASSEMBLIES

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Conn. Type	Mates w/ PCB Receptacle	Mated Height (mm)	Cable Dia. (mm)	Length (mm)	Price Each		
								1	5	10
571-1750109-1	1750109-1	A	I	Style B	2.0	0.80	100	4.58	4.36	3.92
571-1750109-2	1750109-2	A	I	Style B	2.0	0.80	200	5.08	4.84	4.36
571-1750108-1	1750108-1	A	II	Style A	2.5	0.80	100	4.58	4.36	3.92
571-1750108-2	1750108-2	A	II	Style A	2.5	0.80	200	5.08	4.84	4.36
571-1750107-1	1750107-1	A	III	Style A	2.5	0.80	100	4.58	4.36	3.92
571-1750107-2	1750107-2	A	III	Style A	2.5	0.80	200	5.08	4.84	4.36
571-1750107-3	1750107-3	A	III	Style A	2.5	1.32	100	4.75	4.52	4.07
571-1750107-4	1750107-4	A	III	Style A	2.5	1.32	200	5.33	5.08	4.57
571-1750107-5	1750107-5	A	III	Style A	2.5	1.32	100	4.83	4.60	4.14
571-1750107-6	1750107-6	A	III	Style A	2.5	1.32	200	5.50	5.24	4.72

RoHS Compliant

INTERSERIES CABLE ASSEMBLIES

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Conn. Type	Mates w/ PCB Receptacle	Mated Height (mm)	Cable Dia. (mm)	Length (mm)	Price Each		
								1	5	10
571-1750110-2	1750110-2	B	III	UMCC Plug to FME Plug	2.5	1.37	200	21.54	19.39	18.31
571-1750110-4	1750110-4	C	III	UMCC Plug to SMA Plug	2.5	1.37	200	20.20	18.18	17.17
571-1750110-6	1750110-6	D	III	UMCC Plug to SMA Blkhd Jack	2.5	1.37	200	22.22	20.00	18.89
571-1750110-7	1750110-7	E	II	UMCC Plug to MCX R/A Plug	2.0	0.80	200	20.20	18.18	17.17
571-1750110-8	1750110-8	E	III	UMCC Plug to MCX R/A Plug	2.5	1.37	200	20.20	18.18	17.17
571-1750110-9	1750110-9	F	II	UMCC Plug to MMCX R/A Plug	2.0	0.80	200	22.90	20.61	19.47
571-1-1750110-0	1-1750110-0	F	III	UMCC Plug to MMCX R/A Plug	2.5	1.37	200	22.90	20.61	19.47

RoHS Compliant

PCB RECEPTACLES

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Style	Mates w/ UMCC Cable Conn Type	Mated Height (mm)	Price Each		
						1	5	10
571-1566230-2	1566230-2	G	A	II / III	2.0/2.5	.92	.83	.77
571-1775146-2	1775146-2	H	B	I	2.0	.92	.83	.77

RoHS Compliant

RF ADAPTERS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	UMCC Conn. Type	Price Each		
					1	5	10
571-1775229-1	1775229-1	I	UMCC Plug to SMA Jack	I	40.68	36.61	34.58
571-1775230-1	1775230-1	I	UMCC Plug to SMA Jack	II / III	40.68	36.61	34.58
571-1775228-1	1775228-1	J	UMCC Jack Receptacle to SMA Plug	I	40.68	36.61	34.58
571-1775227-1	1775227-1	J	UMCC Jack Receptacle to SMA Plug	II / III	40.68	36.61	34.58

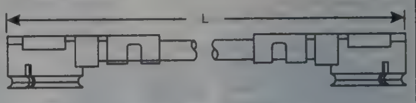
RoHS Compliant

EXTRACTION TOOL

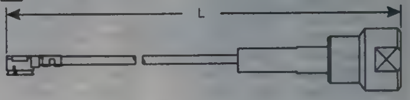
For of 6 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each	
				1	5
571-1775231-1	1775231-1	K	Extraction Tool	2.89	2.63

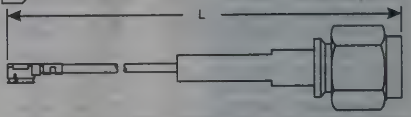
A



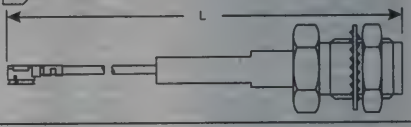
B



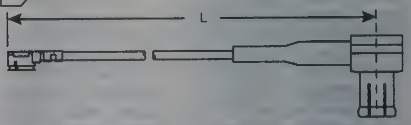
C



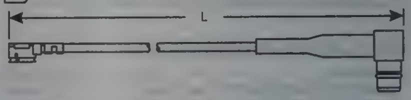
D



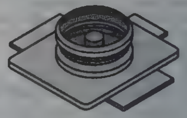
E



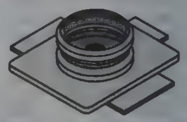
F



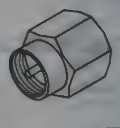
G



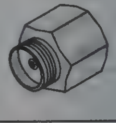
H



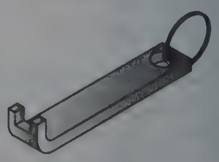
I



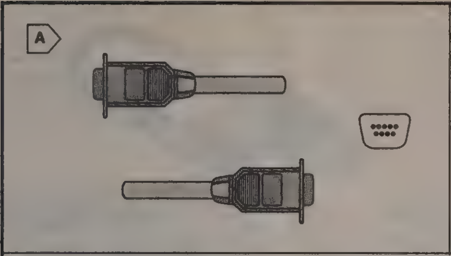
J

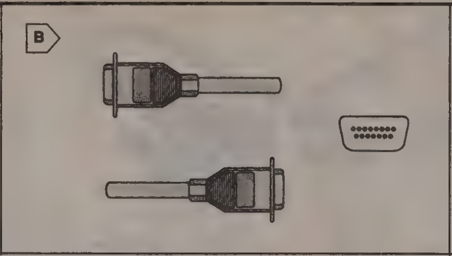


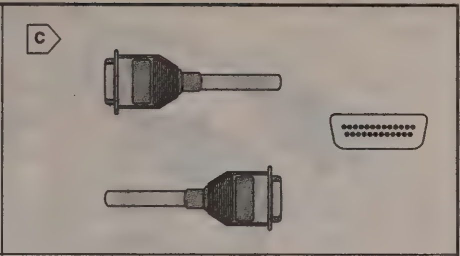
K

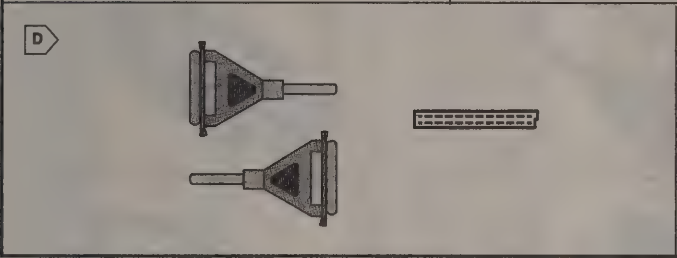


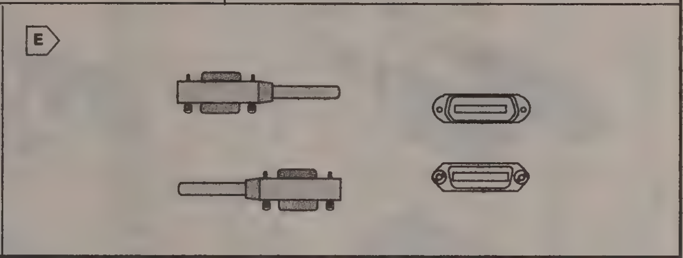
BELDEN Molded Cable Assemblies











SHIELDED D-SUBMINIATURE CABLE ASSEMBLIES

9-Position, Foil Shield

Designed for RS-449 applications.
Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI.
All connectors tin-plated and male connectors have detents for positive ground connection.
Wiring is point-to-point with the shield to connector shell.
Jack screw retention on both connectors.

- 300V 80°C, UL AWM Style 2464

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (Feet)	Nominal O.D. (In.)	Price Each	
						1	5
566-49905A	49905A	A	Male/Female	5	.244	104.11	94.46
566-49906A	49906A	A	Male/Female	10	.244	115.93	105.20
566-49907A	49907A	A	Male/Female	25	.244	143.33	130.04

15-Position, Foil Plus Braid Shield

Designed for RS-449 applications. Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI. All connectors tin-plated and male connectors have detents for positive ground connection. Wiring is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

- 300V 80°C, UL AWM Style 2464

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (feet)	Nom. O.D. (In.)	Price Each	
						1	5
566-49745A	49745A	B	Male/Female	5	.300	132.75	120.43
566-49746A	49746A	B	Male/Female	10	.300	147.52	133.87
566-49747A	49747A	B	Male/Female	25	.300	196.01	177.87

25-Position, Foil Shield

Designed for RS-232 applications. Molded handles are 100% shielded to guard against EMI/RFI where indicated. All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection. Wiring is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

- 300V 80°C, UL AWM Style 2464

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (Feet)	Nominal O.D. (In.)	Price Each	
						1	5
566-49673A	49673A	C	Male/Female	5	.339	136.98	124.29
566-49674A	49674A	C	Male/Female	10	.339	168.64	152.97
566-49675A	49675A	C	Male/Female	25	.339	221.32	200.79

25-Position, Foil Plus Braid Shield

Designed for RS-232 applications. Molded handles are 100% shielded to guard against EMI/RFI where indicated. All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection. Wiring is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

- 300V 80°C, UL AWM Style 2464

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (Feet)	Nominal O.D. (In.)	Price Each	
						1	5
566-49615A	49615A	C	Male/Female	5	.370	143.32	130.03
566-49616A	49616A	C	Male/Female	10	.370	166.53	151.06

SHIELDED D-SUBMINIATURE CABLE ASSEMBLIES (CONT.)

37-Position, Foil Shield

Designed for RS-449 applications where assembly is exposed to high noise environment.
Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI.
All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection.
Wiring is point-to-point with shield to connector shell and pin#1.
Jack screw retention on both connectors.

- 300V 80°C, UL AWM Style 2464

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (Feet)	Nominal O.D. (In.)	Price Each	
						1	5
566-49950A	49950A	C	Male/Male	5	.480	202.34	183.59
566-49951A	49951A	C	Male/Male	10	.480	240.28	218.00
566-49955A	49955A	C	Male/Female	5	.480	208.64	189.31
566-49956A	49956A	C	Male/Female	10	.480	246.60	223.75
566-49957A	49957A	C	Male/Female	25	.480	364.63	330.83

SCSI-1 CABLE ASSEMBLIES

Molded handles are 100% shielded to guard against EMI/RFI and assists in FCC compliance.
These assemblies have tin-plated connectors and can be used in single-ended or differential configurations.
Wiring is per SCSI standard

- 26AWG (7 x 34) Stranded tinned copper conductor
- 30V 80°C, UL AWM Style 2919

MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (Feet)	Nominal O.D. (In.)	Price Each	
						1	5
566-49802A	49802A	D	Male/Male	16.4	.535	248.88	225.80

GPIB CABLE ASSEMBLIES

General Purpose Interface Bus Cable Assemblies are used with electronic equipment that is IEEE-488 compatible. Molded connector is male/female design for easy stacking and comes with molded-in metric jack screws.

- 6 pairs 26 AWG (7x34), 10 singles 26AWG (7x34), 1 single 24AWG (7x32)
- 300V 80°C, UL AWM Style 2464

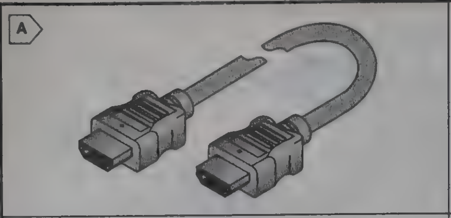
Unshielded

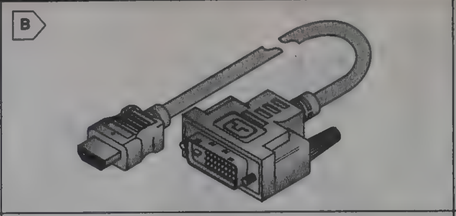
MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (Feet)	Nominal O.D. (In.)	Price Each	
						1	5
566-49642	49642	E	Male/Female	3.3	.350	238.19	216.10
566-49643	49643	E	Male/Female	6.6	.350	248.69	225.65

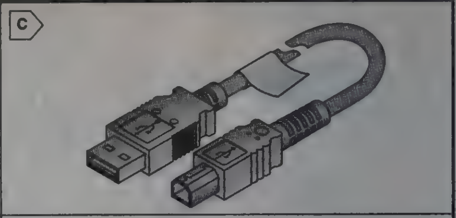
Shielded

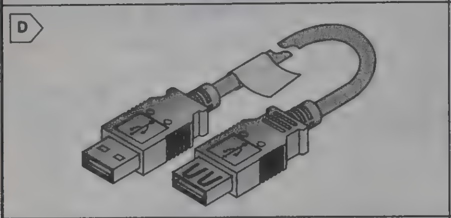
MOUSER STOCK NO.	Belden Part No.	Fig.	Gender	Length (Feet)	Nominal O.D. (In.)	Price Each	
						1	5
566-49733	49733	E	Male/Female	1.6	.350	248.69	225.65
566-49734	49734	E	Male/Female	3.3	.350	255.02	231.42
566-49735	49735	E	Male/Female	6.6	.350	267.66	242.86
566-49736	49736	E	Male/Female	9.8	.350	280.33	254.34

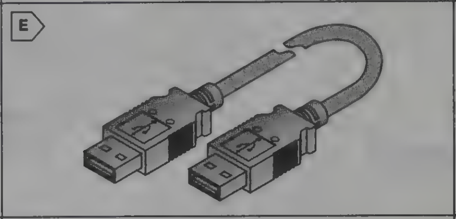
HDMI, USB, and Network Cable Assemblies

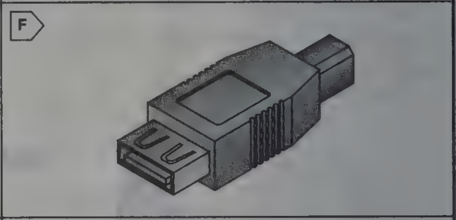

A

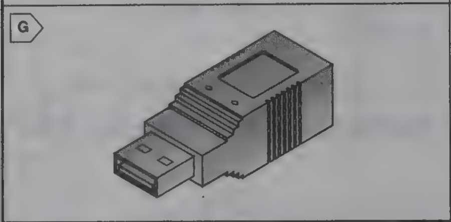

B

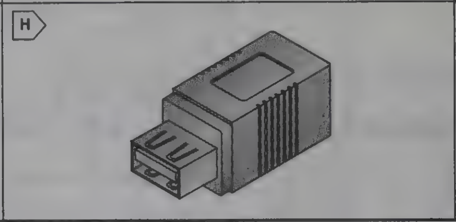

C

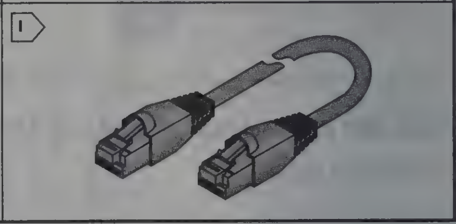

D


E


F


G


H


I

HDMI CABLE ASSEMBLIES

Features:
- Jacket: Molded PVC
- Contacts: Gold plated
- Metal Hood: Gold plated
- DVI Thumbscrews: Black molded PVC #4-40

Specifications:
- Color: Black
- Cable Outside Diameter: 7.0mm
- AWG: 28
- Number of Contacts: 19
- Bandwidth: Up to 5 Gbps

Applications:
- LCD/Plasma Displays
- Set-Top Boxes
- DVD Players/Recorders
- Audio/Video Receivers
- High-Definition Monitors
- Entertainment PC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Length (Meters)	Price Each			
				1	5	10	25
HDMI Male to HDMI Male							
601-10-HM-01128-01	10-HM-01128-01	A	1	14.68	13.62	12.32	11.42
601-10-HM-01128-02	10-HM-01128-02	A	2	14.96	13.03	11.98	10.97
601-10-HM-01128-03	10-HM-01128-03	A	3	20.73	19.23	17.39	16.12
601-10-HM-01128-05	10-HM-01128-05	A	5	29.80	27.65	25.00	23.18
HDMI Male to DVI-D Single Link							
601-10HM-15128-01	10HM-15128-01	B	1	14.43	13.39	12.08	11.22
601-10HM-15128-02	10HM-15128-02	B	2	13.61	12.52	11.54	9.98
601-10HM-15128-03	10HM-15128-03	B	3	20.37	18.90	17.09	15.84
601-10HM-15128-05	10HM-15128-05	B	5	27.57	25.58	23.13	21.44

USB CABLE ASSEMBLIES

Features:
- Interface: USB Version 2.0
- Color: Beige
- Contacts: Gold plated
- AWG: 20-28 for power and 28 for signal

* RoHS compliant per AIM/Cambridge documentation

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Length (Feet)	Price Each			
				1	5	10	25
USB Type A Male to USB Type B Male							
* 601-30-3007-3	30-3007-3	C	3	2.67	2.49	2.27	2.05
* 601-30-3007-6	30-3007-6	C	6	3.30	3.03	2.60	2.36
* 601-30-3007-10	30-3007-10	C	10	4.13	3.80	3.53	3.20
* 601-30-3007-15	30-3007-15	C	15	6.24	5.40	4.93	4.84
USB Type A Male to USB Type A Female Extension							
* 601-30-3008-6	30-3008-6	D	6	4.21	3.74	3.18	2.96
USB Type A Male to USB Type A Male							
601-30-3006-6	30-3006-6	E	6	3.86	3.56	3.38	3.18
* 601-30-3006-10	30-3006-10	E	10	4.66	4.30	4.08	3.82
* 601-30-3006-15	30-3006-15	E	15	6.00	5.48	5.20	4.88

USB ADAPTERS

Features:
- Interface: USB Version 2.0
- Color: Beige
- Contacts: Gold flash
- Insulator: White

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	Price Each			
				1	5	10	25
601-30-3280	30-3280	F	A (F) to B (M)	6.27	5.32	4.51	3.84
601-30-3290	30-3290	G	A(M) to B (F)	6.27	5.32	4.51	3.84
601-30-3300	30-3300	H	A (F) to B (F)	6.27	5.32	4.51	3.84

MOLDED CABLES - CAT 5E AND CAT 6

Features:
- 24AWG Round UTP stranded
- Unshielded twisted pair cable
- Modular Plug Contacts: 50μ" gold plated
- ETL tested and verified to CAT 5E & CAT 6 standards
- Designed and tested to meet and exceed ANSI/TIA-568-B.2-1 CAT 6 industry standards
- Molded on low-profile snagless boots
- CAT 5E Cables (350MHz)
- CAT 6 Cables (500MHz)

* RoHS compliant per AIM/Cambridge documentation

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Color	Length (Feet)	Price Each			
					1	5	10	25
CAT 5E								
* 601-737790-3	73-7790-3	I	Gray	3	1.59	1.42	1.31	1.26
* 601-737791-3	73-7791-3	I	Black	3	1.59	1.42	1.31	1.26
* 601-737792-3	73-7792-3	I	Blue	3	1.59	1.42	1.31	1.26
* 601-737793-3	73-7793-3	I	Green	3	1.59	1.42	1.31	1.26
* 601-737794-3	73-7794-3	I	Red	3	1.59	1.42	1.31	1.26
* 601-737795-3	73-7795-3	I	Yellow	3	1.59	1.42	1.31	1.26
* 601-737796-3	73-7796-3	I	White	3	1.59	1.42	1.31	1.26
601-737790-7	73-7790-7	I	Gray	7	2.31	2.08	1.84	1.74
* 601-737791-7	73-7791-7	I	Black	7	2.31	2.08	1.84	1.74
* 601-737792-7	73-7792-7	I	Blue	7	2.31	2.08	1.84	1.74
601-737793-7	73-7793-7	I	Green	7	2.31	2.08	1.84	1.74
* 601-737794-7	73-7794-7	I	Red	7	2.31	2.08	1.84	1.74
601-737795-7	73-7795-7	I	Yellow	7	2.31	2.08	1.84	1.74
* 601-737796-7	73-7796-7	I	White	7	2.20	2.01	1.79	1.68
* 601-737790-14	73-7790-14	I	Gray	14	4.03	3.97	3.67	3.34
* 601-737791-14	73-7791-14	I	Black	14	4.03	3.97	3.67	3.34
* 601-737792-14	73-7792-14	I	Blue	14	4.03	3.97	3.67	3.34
601-737793-14	73-7793-14	I	Green	14	4.03	3.97	3.67	3.34
* 601-737794-14	73-7794-14	I	Red	14	4.03	3.97	3.67	3.34
* 601-737795-14	73-7795-14	I	Yellow	14	4.03	3.97	3.67	3.34
* 601-737796-14	73-7796-14	I	White	14	4.03	3.97	3.67	3.34
601-737790-25	73-7790-25	I	Gray	25	7.02	6.68	6.30	5.78
601-737791-25	73-7791-25	I	Black	25	7.02	6.68	6.30	5.78
* 601-737792-25	73-7792-25	I	Blue	25	7.02	6.68	6.30	5.78
601-737793-25	73-7793-25	I	Green	25	7.02	6.68	6.30	5.78
601-737794-25	73-7794-25	I	Red	25	7.02	6.68	6.30	5.78
601-737795-25	73-7795-25	I	Yellow	25	7.02	6.68	6.30	5.78
601-737796-25	73-7796-25	I	White	25	7.02	6.68	6.30	5.78
* 601-737790-50	73-7790-50	I	Gray	50	11.78	10.45	9.31	8.76
601-737791-50	73-7791-50	I	Black	50	11.78	10.45	9.31	8.76
601-737792-50	73-7792-50	I	Blue	50	11.78	10.45	9.31	8.76
601-737793-50	73-7793-50	I	Green	50	11.78	10.45	9.31	8.76
* 601-737794-50	73-7794-50	I	Red	50	11.78	10.45	9.31	8.76
601-737795-50	73-7795-50	I	Yellow	50	11.78	10.45	9.31	8.76
* 601-737796-50	73-7796-50	I	White	50	11.78	10.45	9.31	8.76
CAT 6								
601-738890-3	73-8890-3	I	Gray	3	2.39	2.24	1.92	1.64
601-738892-3	73-8892-3	I	Blue	3	2.39	2.24	1.92	1.64
601-738890-7	73-8890-7	I	Gray	7	3.22	2.65	2.39	2.24
601-738892-7	73-8892-7	I	Blue	7	3.22	2.65	2.39	2.24
601-738890-10	73-8890-10	I	Gray	10	4.96	4.54	4.21	3.94
601-738892-10	73-8892-10	I	Blue	10	4.96	4.54	4.21	3.94
601-738890-14	73-8890-14	I	Gray	14	6.48	5.54	5.10	4.73
601-738892-14	73-8892-14	I	Blue	14	6.48	5.54	5.10	4.73

AIM/CAMBRIDGE BNC Cable Assemblies

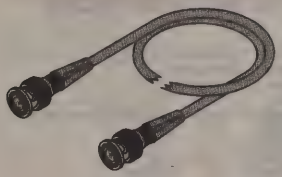
AIM CAMBRIDGE

EMERSON
Network Power
Connectivity Solutions

BNC THIN ETHERNET COAXIAL CABLES - RG-58

Features:

- Body plating: Nickel
- Center contact plating: Gold
- AWG: 20 stranded
- Cable color: Black PVC
- Equivalent to Belden 9907
- Cable constructed of 95% braid and 100% foil shield



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Description / Cable	Impedance	Boot Color	Length	Price Each			
						1	5	10	25
601-736340-3	73-6340-3	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Black	3ft	7.42	6.82	6.28	5.64
601-736361-3	73-6361-3	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Blue	3ft	7.54	6.93	6.38	5.73
601-736362-3	73-6362-3	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Green	3ft	7.54	6.93	6.38	5.73
601-736363-3	73-6363-3	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Red	3ft	7.54	6.93	6.38	5.73
601-736364-3	73-6364-3	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Yellow	3ft	7.54	6.93	6.38	5.73
601-736340-6	73-6340-6	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Black	6ft	9.98	8.25	7.59	6.83
601-736361-6	73-6361-6	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Blue	6ft	10.13	8.37	7.70	6.93
601-736362-6	73-6362-6	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Green	6ft	10.11	8.36	7.69	6.92
601-736363-6	73-6363-6	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Red	6ft	10.11	8.36	7.69	6.92
601-736364-6	73-6364-6	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Yellow	6ft	10.11	8.36	7.69	6.92
601-736340-10	73-6340-10	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Black	10ft	12.60	10.18	9.35	8.41
601-736361-10	73-6361-10	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Blue	10ft	12.71	10.26	9.43	8.48
601-736362-10	73-6362-10	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Green	10ft	12.71	10.26	9.43	8.48
601-736363-10	73-6363-10	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Red	10ft	12.71	10.26	9.43	8,48
601-736364-10	73-6364-10	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Yellow	10ft	12.71	10.26	9.43	8.48
601-736340-25	73-6340-25	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Black	25ft	21.01	17.34	15.97	14.33
601-736361-25	73-6361-25	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Blue	25ft	21.13	17.44	16.05	14.41
601-736362-25	73-6362-25	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Green	25ft	21.13	17.44	16.05	14.41
601-736363-25	73-6363-25	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Red	25ft	21.13	17.44	16.05	14.41
601-736364-25	73-6364-25	BNC plug to BNC plug, RG-58 Thin	50 Ohm	Yellow	25ft	21.13	17.44	16.05	14.41

BNC THIN ETHERNET COAXIAL CABLES - RG-58AU

Features:

- Body plating: Nickel
- Center contact plating: Gold
- AWG: 20 stranded
- Cable color: Black PVC
- Equivalent to Belden 8912
- Cable constructed of 95% braid

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Description / Cable	Impedance	Boot Color	Length	Price Each			
						1	5	10	25
601-736300-3	73-6300-3	BNC plug to BNC plug, RG-58AU	50 Ohm	Black	3ft	8.34	6.67	6.14	5.52
601-736351-3	73-6351-3	BNC plug to BNC plug, RG-58AU	50 Ohm	Blue	3ft	8.48	6.78	6.24	5.61
601-736352-3	73-6352-3	BNC plug to BNC plug, RG-58AU	50 Ohm	Green	3ft	8.48	6.78	6.24	5.61
601-736353-3	73-6353-3	BNC plug to BNC plug, RG-58AU	50 Ohm	Red	3ft	8.48	6.78	6.24	5.61
601-736354-3	73-6354-3	BNC plug to BNC plug, RG-58AU	50 Ohm	Yellow	3ft	8.48	6.78	6.24	5.61
601-736300-6	73-6300-6	BNC plug to BNC plug, RG-58AU	50 Ohm	Black	6ft	9.55	7.92	7.29	6.55
601-736351-6	73-6351-6	BNC plug to BNC plug, RG-58AU	50 Ohm	Blue	6ft	9.68	8.03	7.38	6.64
601-736352-6	73-6352-6	BNC plug to BNC plug, RG-58AU	50 Ohm	Green	6ft	9.68	8.03	7.38	6.64
601-736353-6	73-6353-6	BNC plug to BNC plug, RG-58AU	50 Ohm	Red	6ft	9.68	8.03	7.38	6.64
601-736354-6	73-6354-6	BNC plug to BNC plug, RG-58AU	50 Ohm	Yellow	6ft	9.68	8.03	7.38	6.64
601-736300-10	73-6300-10	BNC plug to BNC plug, RG-58AU	50 Ohm	Black	10ft	11.04	9.16	8.44	7.58
601-736351-10	73-6351-10	BNC plug to BNC plug, RG-58AU	50 Ohm	Blue	10ft	11.69	9.71	8.93	8.04
601-736352-10	73-6352-10	BNC plug to BNC plug, RG-58AU	50 Ohm	Green	10ft	11.69	9.70	8.93	8.03
601-736353-10	73-6353-10	BNC plug to BNC plug, RG-58AU	50 Ohm	Red	10ft	11.69	9.70	8.93	8.03
601-736354-10	73-6354-10	BNC plug to BNC plug, RG-58AU	50 Ohm	Yellow	10ft	11.69	9.70	8.93	8.03
601-736300-25	73-6300-25	BNC plug to BNC plug, RG-58AU	50 Ohm	Black	25ft	19.85	15.88	14.61	13.13
601-736351-25	73-6351-25	BNC plug to BNC plug, RG-58AU	50 Ohm	Blue	25ft	19.95	15.96	14.69	13.20
601-736352-25	73-6352-25	BNC plug to BNC plug, RG-58AU	50 Ohm	Green	25ft	19.95	15.96	14.69	13.20
601-736353-25	73-6353-25	BNC plug to BNC plug, RG-58AU	50 Ohm	Red	25ft	19.95	15.96	14.69	13.20
601-736354-25	73-6354-25	BNC plug to BNC plug, RG-58AU	50 Ohm	Yellow	25ft	19.95	15.96	14.69	13.20

BNC AUDIO / VIDEO COAXIAL CABLES - RG-59

Features:

- Body plating: Nickel
- Center contact plating: Gold
- AWG: 22 stranded
- .Matching color boot and cable
- Cable constructed of 80% braid

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Description / Cable	Impedance	Boot Color	Length	Price Each			
						1	5	10	25
601-736310-3	73-6310-3	BNC plug to BNC plug, RG-59	75 Ohm	Black	3ft	8.23	6.66	6.12	5.45
601-736311-3	73-6311-3	BNC plug to BNC plug, RG-59	75 Ohm	Blue	3ft	7.30	5.91	5.43	4.83
601-736312-3	73-6312-3	BNC plug to BNC plug, RG-59	75 Ohm	Green	3ft	7.32	5.93	5.45	4.85
601-736313-3	73-6313-3	BNC plug to BNC plug, RG-59	75 Ohm	Red	3ft	8.95	7.24	6.66	5.92
601-736314-3	73-6314-3	BNC plug to BNC plug, RG-59	75 Ohm	Yellow	3ft	7.83	6.34	5.83	5.19
601-736310-6	73-6310-6	BNC plug to BNC plug, RG-59	75 Ohm	Black	6ft	9.04	7.48	6.89	6.19
601-736311-6	73-6311-6	BNC plug to BNC plug, RG-59	75 Ohm	Blue	6ft	8.01	6.63	6.11	5.49
601-736312-6	73-6312-6	BNC plug to BNC plug, RG-59	75 Ohm	Green	6ft	8.01	6.63	6.11	5.49
601-736313-6	73-6313-6	BNC plug to BNC plug, RG-59	75 Ohm	Red	6ft	11.22	9.29	8.56	7.69
601-736314-6	73-6314-6	BNC plug to BNC plug, RG-59	75 Ohm	Yellow	6ft	9.04	7.49	6.90	6.20
601-736310-10	73-6310-10	BNC plug to BNC plug, RG-59	75 Ohm	Black	10ft	10.53	9.55	8.78	7.90
601-736311-10	73-6311-10	BNC plug to BNC plug, RG-59	75 Ohm	Blue	10ft	8.84	8.18	7.49	6.80
601-736312-10	73-6312-10	BNC plug to BNC plug, RG-59	75 Ohm	Green	10ft	8.50	7.71	7.09	6.38
601-736313-10	73-6313-10	BNC plug to BNC plug, RG-59	75 Ohm	Red	10ft	13.37	12.13	11.15	10.03
601-736314-10	73-6314-10	BNC plug to BNC plug, RG-59	75 Ohm	Yellow	10ft	10.05	9.12	8.39	7.54
601-736310-25	73-6310-25	BNC plug to BNC plug, RG-59	75 Ohm	Black	25ft	19.10	15.27	14.06	12.63
601-736311-25	73-6311-25	BNC plug to BNC plug, RG-59	75 Ohm	Blue	25ft	14.67	11.73	10.80	9.70
601-736312-25	73-6312-25	BNC plug to BNC plug, RG-59	75 Ohm	Green	25ft	14.67	11.73	10.80	9.70
601-736313-25	73-6313-25	BNC plug to BNC plug, RG-59	75 Ohm	Red	25ft	28.53	22.81	20.99	18.86
601-736314-25	73-6314-25	BNC plug to BNC plug, RG-59	75 Ohm	Yellow	25ft	19.11	15.28	14.07	12.64

JOHNSON COMPONENTS RF Cable Assemblies

Johnson® EMERSON. Network Power Connectivity Solutions

FIXED LENGTH FLEXIBLE RF CABLE ASSEMBLIES

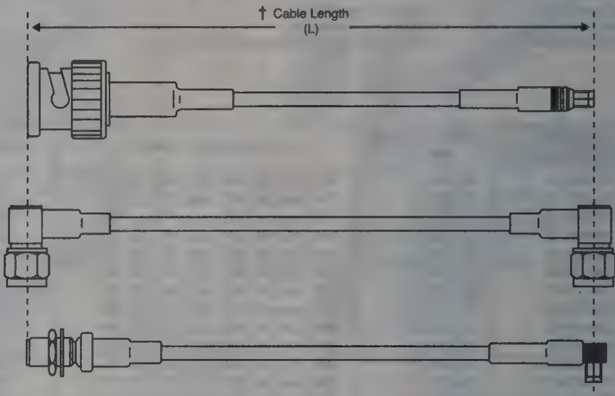
Connector Materials:

- SMA: Brass Body with Gold Plating, Captivated Contacts, PTFE Insulators
- SMB: Brass Body with Gold Plating, Captivated Contacts, PTFE Insulators
- MCX: Brass Body with Gold Plating, Captivated Contacts, PTFE Insulators
- Type N: Brass Body with Nickel plating, Teflon Insulators
- Electrical ratings of a cable assembly are determined by the limiting connector type and cable size.

Electrical Ratings

Connector	Cable	Dielectric Max Voltage	Working Voltage
SMA	Hand Formable .086	1000 Vrms	335 Vrms
	Hand Formable .141	1500 Vrms	500 Vrms
	RG-178	500 Vrms	170 Vrms
	RG-316	750 Vrms	250 Vrms
	RG-316 DS	750 Vrms	250 Vrms
	RG-58	1000 Vrms	335 Vrms
	RG-142	1000 Vrms	335 Vrms
SMB	RG-316	1000 Vrms	335 Vrms
MCX	RG-178	750 Vrms	250 Vrms
	RG-316	1000 Vrms	335 Vrms
	RG-316 DS	1000 Vrms	335 Vrms
Type N	RG-58	1500 Vrms	500 Vrms
	RG-142	1500 Vrms	500 Vrms
	RG-8	1500 Vrms	500 Vrms

† Cable length applies to the end of straight connectors. The length is applied to the vertical centroid of right angle connectors.



✻ RoHS compliant per Johnson documentation

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Cable Type	Length (L) In.	Price Each			
				1	5	10	25
Hand Formable SMA Straight Plug to SMA Straight Plug- 50 Ohm- 26.5 GHz							
530-415-0081-003	415-0081-003	.086	3	15.88	14.29	12.87	11.47
530-415-0081-004	415-0081-004	.086	4	16.31	14.68	13.21	11.78
530-415-0081-005	415-0081-005	.086	5	16.74	15.07	13.56	12.09
530-415-0081-006	415-0081-006	.086	6	17.24	15.51	13.96	12.45
530-415-0081-007	415-0081-007	.086	7	17.67	15.90	14.31	12.76
530-415-0081-008	415-0081-008	.086	8	18.16	16.34	14.71	13.12
530-415-0081-012	415-0081-012	.086	12	20.01	18.01	16.21	14.45
530-415-0081-018	415-0081-018	.086	18	22.74	20.47	18.42	16.43
530-415-0081-024	415-0081-024	.086	24	25.48	22.93	20.64	18.41
530-415-0082-003	415-0082-003	.141	3	18.22	16.40	14.76	13.16
530-415-0082-004	415-0082-004	.141	4	18.77	16.90	15.21	13.56
530-415-0082-005	415-0082-005	.141	5	19.51	17.56	15.81	14.09
530-415-0082-006	415-0082-006	.141	6	20.10	18.09	16.28	14.52
530-415-0082-007	415-0082-007	.141	7	20.74	18.67	16.80	14.98
530-415-0082-008	415-0082-008	.141	8	21.39	19.25	17.33	15.45
530-415-0082-012	415-0082-012	.141	12	23.64	21.27	19.15	17.07
530-415-0082-018	415-0082-018	.141	18	26.71	24.04	21.64	19.29
530-415-0082-024	415-0082-024	.141	24	29.79	26.81	24.13	21.52
SMA Straight Plug to SMA Straight Plug - 50 Ohm - 12.4 GHz							
✻530-415-0025-006	415-0025-006	RG-178	6	13.69	11.14	10.23	8.64
✻530-415-0025-012	415-0025-012	RG-178	12	14.50	11.80	10.83	9.15
✻530-415-0025-024	415-0025-024	RG-178	24	16.10	13.11	12.04	10.16
✻530-415-0025-036	415-0025-036	RG-178	36	18.92	15.40	14.15	12.38
✻530-415-0029-006	415-0029-006	RG-316	6	12.08	9.83	9.03	7.62
✻530-415-0029-012	415-0029-012	RG-316	12	12.88	10.49	9.63	8.13
✻530-415-0029-024	415-0029-024	RG-316	24	13.68	11.14	10.23	8.63
✻530-415-0029-036	415-0029-036	RG-316	36	14.89	12.12	11.14	9.41
✻530-415-0033-006	415-0033-006	RG-316 DS	6	12.48	10.15	9.33	8.31
✻530-415-0033-012	415-0033-012	RG-316 DS	12	12.89	10.49	9.63	8.13
✻530-415-0033-024	415-0033-024	RG-316 DS	24	14.50	11.80	10.83	9.15
✻530-415-0033-036	415-0033-036	RG-316 DS	36	15.70	12.78	11.74	9.91
✻530-415-0038-012	415-0038-012	RG-58	12	14.50	11.80	10.83	9.15
✻530-415-0038-024	415-0038-024	RG-58	24	15.30	12.46	11.44	9.65
✻530-415-0038-036	415-0038-036	RG-58	36	16.10	13.11	12.04	10.16
✻530-415-0043-012	415-0043-012	RG-142	12	18.11	14.74	13.55	11.89
✻530-415-0043-024	415-0043-024	RG-142	24	23.35	19.00	17.45	15.32
✻530-415-0043-036	415-0043-036	RG-142	36	28.58	23.26	21.37	18.04
SMA Straight Plug to SMA Straight Bulkhead Jack - 50 Ohm - 12.4 GHz							
✻530-415-0031-006	415-0031-006	RG-316	6	13.69	11.14	10.23	8.64
✻530-415-0031-012	415-0031-012	RG-316	12	15.66	12.75	11.69	9.88
✻530-415-0031-024	415-0031-024	RG-316	24	14.26	11.64	10.65	10.31
✻530-415-0031-036	415-0031-036	RG-316	36	16.10	13.11	12.04	10.17
✻530-415-0035-006	415-0035-006	RG-316 DS	6	13.69	11.14	10.23	8.96
✻530-415-0035-012	415-0035-012	RG-316 DS	12	14.50	11.80	10.83	9.51
✻530-415-0035-024	415-0035-024	RG-316 DS	24	16.10	13.11	12.04	11.56
✻530-415-0035-036	415-0035-036	RG-316 DS	36	17.31	14.09	12.94	12.42
SMA Straight Plug to SMA Right Angle Plug - 50 Ohm - 12.4 GHz							
✻530-415-0034-006	415-0034-006	RG-316 DS	6	14.09	11.47	10.53	8.89
✻530-415-0034-012	415-0034-012	RG-316 DS	12	14.89	12.12	11.14	9.41
530-415-0034-024	415-0034-024	RG-316 DS	24	16.11	13.11	12.04	10.17
✻530-415-0034-036	415-0034-036	RG-316 DS	36	17.31	14.09	12.94	11.36
SMA Right Angle Plug to SMA Right Angle Plug - 50 Ohm - 12.4 GHz							
✻530-415-0032-006	415-0032-006	RG-316	6	15.70	12.77	11.74	9.91
✻530-415-0032-012	415-0032-012	RG-316	12	16.11	13.11	12.04	10.17
✻530-415-0032-024	415-0032-024	RG-316	24	17.31	14.09	12.94	10.93
✻530-415-0032-036	415-0032-036	RG-316	36	18.52	15.08	13.85	13.29
SMA Right Angle Plug to Type N Straight Plug - 50 Ohm - 11.0 GHz							
✻530-415-0059-012	415-0059-012	RG-58	12	13.68	11.14	10.23	9.82
✻530-415-0059-024	415-0059-024	RG-58	24	14.89	12.12	11.13	10.69
✻530-415-0059-036	415-0059-036	RG-58	36	16.80	13.71	12.31	11.05
✻530-415-0061-012	415-0061-012	RG-142	12	16.56	13.48	12.37	10.45
✻530-415-0061-024	415-0061-024	RG-142	24	23.35	19.00	17.44	15.32
✻530-415-0061-036	415-0061-036	RG-142	36	28.18	22.94	21.05	20.22

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Cable Type	Length (L) In.	Price Each			
				1	5	10	25
SMA Straight Plug to BNC Straight Plug - 50 Ohm - 4.0 GHz							
✻530-415-0028-006	415-0028-006	RG-316	6	11.28	9.18	8.72	8.40
✻530-415-0028-012	415-0028-012	RG-316	12	11.67	9.50	8.72	7.37
✻530-415-0028-024	415-0028-024	RG-316	24	12.48	10.15	9.32	8.38
✻530-415-0028-036	415-0028-036	RG-316	36	13.68	11.14	10.23	8.93
✻530-415-0037-012	415-0037-012	RG-58	12	11.68	9.50	8.72	7.37
✻530-415-0037-024	415-0037-024	RG-58	24	12.88	10.49	9.62	8.13
✻530-415-0037-036	415-0037-036	RG-58	36	13.69	11.14	10.23	8.98
✻530-415-0042-012	415-0042-012	RG-142	12	16.10	13.11	12.03	11.56
✻530-415-0042-024	415-0042-024	RG-142	24	20.94	17.05	15.63	15.02
✻530-415-0042-036	415-0042-036	RG-142	36	26.17	21.30	19.55	18.78
MCX Straight Plug to MCX Straight Plug - 50 Ohm - 6.0 GHz							
✻530-415-0014-006	415-0014-006	RG-178	6	13.69	11.14	10.23	8.64
✻530-415-0014-012	415-0014-012	RG-178	12	14.50	11.80	10.83	10.40
✻530-415-0014-024	415-0014-024	RG-178	24	16.10	13.11	12.04	11.56
✻530-415-0014-036	415-0014-036	RG-178	36	17.72	14.42	13.24	11.18
✻530-415-0018-012	415-0018-012	RG-316	12	11.67	9.50	8.73	7.85
✻530-415-0018-024	415-0018-024	RG-316	24	12.48	10.15	9.48	9.13
✻530-415-0018-036	415-0018-036	RG-316	36	13.69	11.14	10.23	9.41
✻530-415-0020-006	415-0020-006	RG-316 DS	6	10.87	8.85	8.12	7.80
✻530-415-0020-012	415-0020-012	RG-316 DS	12	11.28	9.18	8.42	8.09
✻530-415-0020-024	415-0020-024	RG-316 DS	24	12.47	10.15	9.33	8.96
✻530-415-0020-036	415-0020-036	RG-316 DS	36	14.09	11.47	10.53	10.11
MCX Straight Plug to MCX Bulkhead Jack - 50 Ohm - 6.0 GHz							
✻530-415-0016-006	415-0016-006	RG-316	6	16.51	13.44	12.34	11.85
✻530-415-0016-012	415-0016-012	RG-316	12	16.91	13.76	12.64	12.13
✻530-415-0016-024	415-0016-024	RG-316	24	17.72	14.42	13.23	12.71
✻530-415-0016-036	415-0016-036	RG-316	36	18.92	15.40	14.14	13.58
MCX Right Angle to MCX Right Angle Plug - 50 Ohm - 6.0 GHz							
✻530-415-0015-006	415-0015-006	RG-178	6	13.29	10.82	9.93	9.53
✻530-415-0015-012	415-0015-012	RG-178	12	14.50	11.80	10.83	9.51
✻530-415-0015-024	415-0015-024	RG-178	24	15.70	12.78	11.74	11.27
✻530-415-0015-036	415-0015-036	RG-178	36	17.72	14.42	13.23	12.71
✻530-415-0019-006	415-0019-006	RG-316	6	12.88	10.96	10.56	10.17
✻530-415-0019-012	415-0019-012	RG-316	12	13.29	11.25	10.89	10.49
✻530-415-0019-024	415-0019-024	RG-316	24	14.50	12.34	11.88	11.44
✻530-415-0019-036	415-0019-036	RG-316	36	17.01	14.42	13.46	12.31
✻530-415-0021-006	415-0021-006	RG-316 DS	6	12.88	10.96	10.56	10.17
✻530-415-0021-012	415-0021-012	RG-316 DS	12	13.69	11.67	11.22	10.81
✻530-415-0021-024	415-0021-024	RG-316 DS	24	14.89	12.66	12.21	11.76
✻530-415-0021-036	415-0021-036	RG-316 DS	36	16.10	13.75	13.20	12.71
SMB Straight Plug to SMB Straight Plug - 50 Ohm - 4.0 GHz							
✻530-415-0003-006	415-0003-006	RG-316	6	14.50	11.80	10.83	9.15
530-415-0003-012	415-0003-012	RG-316	12	14.90	12.12	11.14	9.41
530-415-0003-024	415-0003-024	RG-316	24	16.10	13.11	12.04	10.16
530-415-0003-036	415-0003-036	RG-316	36	16.91	13.76	12.64	10.67
SMB Straight Plug to SMB Right Angle Plug - 50 Ohm - 4.0 GHz							
530-415-0002-006	415-0002-006	RG-316	6	14.50	11.80	10.83	10.40
530-415-0002-012	415-0002-012	RG-316	12	15.30	12.46	11.44	10.98
530-415-0002-024	415-0002-024	RG-316	24	16.10	13.11	12.04	11.56
530-415-0002-036	415-0002-036	RG-316	36	17.31	14.09	12.94	12.42
SMB Right Angle Plug to SMB Right Angle Plug - 50 Ohm - 4.0 GHz							
530-415-0004-006	415-0004-006	RG-316	6	14.90	12.12	11.14	9.41
530-415-0004-012	415-0004-012	RG-316	12	15.30	12.46	11.44	9.65
✻530-415-0004-024	415-0004-024	RG-316	24	17.71	14.41	13.25	11.20
530-415-0004-036	415-0004-036	RG-316	36	17.72	14.42	13.24	11.18
Type N Straight Plug to Type N Straight Plug - 50 Ohm - 11.0 GHz							
✻530-415-0058-012	415-0058-012	RG-58	12	13.29	10.82	9.93	9.53
✻530-415-0058-024	415-0058-024	RG-58	24	14.09	11.47	10.53	9.24
✻530-415-0058-036	415-0058-036	RG-58	36	15.30	12.45	11.44	10.04
✻530-415-0060-012	415-0060-012	RG-142	12	17.72	14.42	13.23	12.71
✻530-415-0060-024	415-0060-024	RG-142	24	22.95	18.68	17.15	16.47
✻530-415-0060-036	415-0060-036	RG-142	36	28.18	22.94	21.07	18.49
✻530-415-0062-012	415-0062-012	RG-8	12	16.51	13.44	12.34	11.85
✻530-415-0062-024	415-0062-024	RG-8	24	20.13	16.38	15.04	14.45
✻530-415-0062-048	415-0062-048	RG-8	48	26.98	21.96	20.16	19.36
✻530-415-0062-060	415-0062-060	RG-8	60	30.60	24.91	22.87	20.07

JOHNSON COMPONENTS RF Cable Assemblies

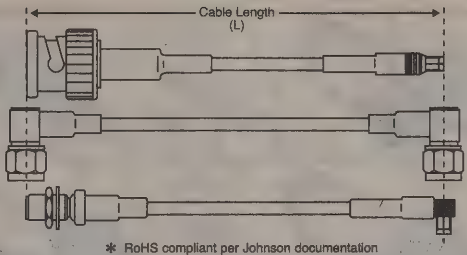
Johnson® EMERSON. Network Power Connectivity Solutions

FIXED LENGTH RF CABLE ASSEMBLIES

Connector Features:

- Body: Gold Plated Brass
- Contacts: Captivated
- Insulator: PTFE
- Electrical Ratings of a cable assembly are determined by the limiting connector type and cable size. (See Chart for Electrical Ratings)

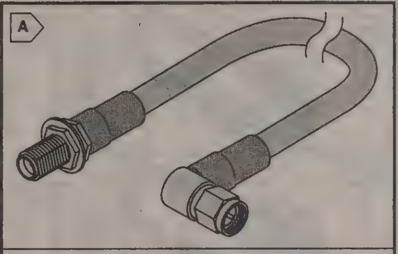
Electrical Ratings			
Connector	Cable	Dielectric Voltage Max.	Working Voltage
SMA	RG-316	750 Vrms	250Vrms
	RG-316DS	750 Vrms	250Vrms
	RG-142	1000 Vrms	335 Vrms
MMCX	RG-178	500 Vrms	170 Vrms
	RG-316	500 Vrms	170 Vrms

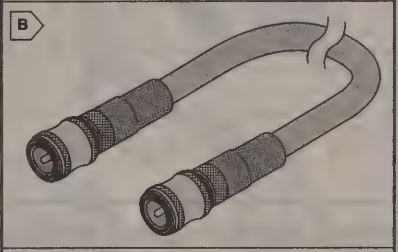


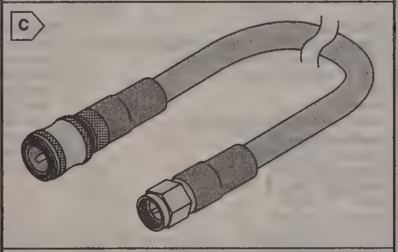
∗ RoHS compliant per Johnson documentation

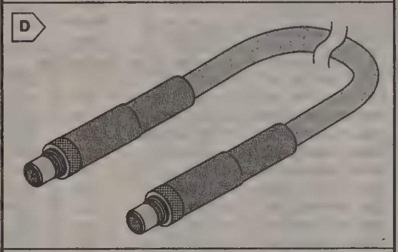
For quantities of 50 and up, call for quote.

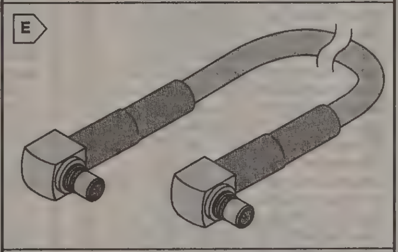
MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Cable Type	Length (L) (In.)	Connector A	Connector B	Price Each			
							1	5	10	25
SMA Right Angle Plug to SMA Straight Bulkhead Jack - 50Ω - 12.4GHz										
530-415-0074-006	415-0074-006	A	RG-316	6	142-0403-101	142-0303-411	20.99	18.90	17.00	14.99
530-415-0074-012	415-0074-012	A	RG-316	12	142-0403-101	142-0303-411	21.70	19.53	17.58	15.50
530-415-0074-024	415-0074-024	A	RG-316	24	142-0403-101	142-0303-411	23.15	20.81	18.71	16.51
530-415-0074-036	415-0074-036	A	RG-316	36	142-0403-101	142-0303-411	25.09	22.60	20.32	17.96
530-415-0074-048	415-0074-048	A	RG-316	48	142-0403-101	142-0303-411	26.49	23.84	21.46	18.93
530-415-0064-006	415-0064-006	A	RG-316DS	6	142-0404-101	142-0304-411	21.52	19.36	17.42	15.38
∗530-415-0064-012	415-0064-012	A	RG-316DS	12	142-0404-101	142-0304-411	22.10	19.89	17.90	15.79
∗530-415-0064-024	415-0064-024	A	RG-316DS	24	142-0404-101	142-0304-411	23.44	21.10	18.98	16.74
∗530-415-0064-036	415-0064-036	A	RG-316DS	36	142-0404-101	142-0304-411	25.26	22.73	20.46	18.04
∗530-415-0064-048	415-0064-048	A	RG-316DS	48	142-0404-101	142-0304-411	26.30	23.67	21.31	18.79
∗530-415-0075-006	415-0075-006	A	RG-142	6	142-0408-101	142-0308-411	25.09	22.59	20.32	17.92
530-415-0075-012	415-0075-012	A	RG-142	12	142-0408-101	142-0308-411	27.77	24.98	22.49	19.84
∗530-415-0075-024	415-0075-024	A	RG-142	24	142-0408-101	142-0308-411	33.12	29.81	26.83	23.66
530-415-0075-036	415-0075-036	A	RG-142	36	142-0408-101	142-0308-411	38.89	35.01	31.50	27.78
530-415-0075-048	415-0075-048	A	RG-142	48	142-0408-101	142-0308-411	44.11	39.71	35.73	31.50
SMA Straight Quick-Connect Plug to SMA Straight Quick Connect Plug - 50Ω - 12.4 GHz										
∗530-415-0065-006	415-0065-006	B	RG-316	6	142-1403-001	142-1403-001	54.16	48.75	43.88	38.70
∗530-415-0065-012	415-0065-012	B	RG-316	12	142-1403-001	142-1403-001	55.02	49.51	44.57	39.29
∗530-415-0065-018	415-0065-018	B	RG-316	18	142-1403-001	142-1403-001	55.72	50.15	45.13	39.79
∗530-415-0065-024	415-0065-024	B	RG-316	24	142-1403-001	142-1403-001	56.43	50.78	45.71	40.32
∗530-415-0065-036	415-0065-036	B	RG-316	36	142-1403-001	142-1403-001	57.84	52.06	46.86	41.32
∗530-415-0065-048	415-0065-048	B	RG-316	48	142-1403-001	142-1403-001	59.25	53.33	47.99	43.20
∗530-415-0076-012	415-0076-012	B	RG-316DS	12	142-1404-001	142-1404-001	53.55	48.32	43.38	38.25
∗530-415-0076-024	415-0076-024	B	RG-316DS	24	142-1404-001	142-1404-001	54.97	49.48	44.53	39.26
∗530-415-0076-036	415-0076-036	B	RG-316DS	36	142-1404-001	142-1404-001	56.66	50.98	45.89	40.48
∗530-415-0077-012	415-0077-012	B	RG-142	12	142-1408-001	142-1408-001	57.64	51.88	46.69	41.17
∗530-415-0077-024	415-0077-024	B	RG-142	24	142-1408-001	142-1408-001	62.86	56.57	50.92	44.90
∗530-415-0077-036	415-0077-036	B	RG-142	36	142-1408-001	142-1408-001	63.42	57.07	51.39	45.30
SMA Straight Quick-Connect Plug to SMA Straight Plug - 50Ω - 12.4 GHz										
∗530-415-0078-012	415-0078-012	C	RG-316DS	12	142-1404-001	142-0404-011	33.69	30.31	27.30	24.05
∗530-415-0078-024	415-0078-024	C	RG-316DS	24	142-1404-001	142-0404-011	34.96	31.48	28.33	24.97
∗530-415-0078-036	415-0078-036	C	RG-316DS	36	142-1404-001	142-0404-011	36.79	33.11	29.79	26.28
∗530-415-0079-012	415-0079-012	C	RG-142	12	142-1408-001	142-0408-011	32.06	29.49	28.01	26.20
∗530-415-0079-024	415-0079-024	C	RG-142	24	142-1408-001	142-0408-011	43.69	39.32	35.38	31.20
∗530-415-0079-036	415-0079-036	C	RG-142	36	142-1408-001	142-0408-011	48.03	43.24	38.89	34.30
MMCX Straight Plug to MMCX Straight Plug - 50Ω - 6 GHz										
∗530-415-0066-006	415-0066-006	D	RG-178	6	135-3402-001	135-3402-001	20.04	18.03	16.23	14.27
∗530-415-0066-012	415-0066-012	D	RG-178	12	135-3402-001	135-3402-001	21.11	19.00	17.10	15.08
∗530-415-0066-018	415-0066-018	D	RG-178	18	135-3402-001	135-3402-001	22.07	19.87	17.88	15.77
∗530-415-0066-024	415-0066-024	D	RG-178	24	135-3402-001	135-3402-001	23.08	20.77	18.69	16.50
∗530-415-0067-006	415-0067-006	D	RG-316	6	135-3403-001	135-3403-001	22.91	20.63	18.55	16.36
∗530-415-0067-012	415-0067-012	D	RG-316	12	135-3403-001	135-3403-001	24.19	21.78	19.60	17.64
∗530-415-0067-018	415-0067-018	D	RG-316	18	135-3403-001	135-3403-001	24.66	22.19	19.98	17.62
∗530-415-0067-024	415-0067-024	D	RG-316	24	135-3403-001	135-3403-001	25.55	22.99	20.69	18.28
MMCX Right Angle Plug to MMCX Right Angle Plug - 50Ω - 6GHz										
∗530-415-0068-006	415-0068-006	E	RG-178	6	135-3402-101	135-3402-101	26.37	23.73	21.36	18.86
∗530-415-0068-012	415-0068-012	E	RG-178	12	135-3402-101	135-3402-101	27.51	24.75	22.30	19.65
∗530-415-0068-018	415-0068-018	E	RG-178	18	135-3402-101	135-3402-101	28.50	25.65	23.08	20.36
∗530-415-0068-024	415-0068-024	E	RG-178	24	135-3402-101	135-3402-101	29.48	26.52	23.88	21.06
∗530-415-0069-006	415-0069-006	E	RG-316	6	135-3403-101	135-3403-101	24.69	22.21	20.00	17.63
∗530-415-0069-012	415-0069-012	E	RG-316	12	135-3403-101	135-3403-101	25.39	22.86	20.58	18.14
∗530-415-0069-018	415-0069-018	E	RG-316	18	135-3403-101	135-3403-101	26.10	23.49	21.14	18.64
∗530-415-0069-024	415-0069-024	E	RG-316	24	135-3403-101	135-3403-101	26.80	24.12	21.71	19.16
MMCX Straight Plug to SMA Straight Bulkhead Jack - 50Ω - 6GHz										
∗530-415-0070-006	415-0070-006	F	RG-178	6	135-3402-001	142-0302-431	21.86	19.68	17.72	15.61
∗530-415-0070-012	415-0070-012	F	RG-178	12	135-3402-001	142-0302-431	22.84	20.58	18.50	16.33
∗530-415-0070-018	415-0070-018	F	RG-178	18	135-3402-001	142-0302-431	23.99	21.58	19.42	17.15
∗530-415-0070-024	415-0070-024	F	RG-178	24	135-3402-001	142-0302-431	24.97	22.51	20.25	17.84
∗530-415-0070-036	415-0070-036	F	RG-178	36	135-3402-001	142-0302-431	27.51	24.75	22.29	19.65
∗530-415-0071-006	415-0071-006	F	RG-316	6	135-3403-001	142-0303-411	22.55	20.28	18.26	16.10
∗530-415-0071-012	415-0071-012	F	RG-316	12	135-3403-001	142-0303-411	23.23	20.91	18.81	16.60
∗530-415-0071-018	415-0071-018	F	RG-316	18	135-3403-001	142-0303-411	23.79	21.42	19.32	16.98
∗530-415-0071-024	415-0071-024	F	RG-316	24	135-3403-001	142-0303-411	24.74	22.27	20.04	17.68
∗530-415-0071-036	415-0071-036	F	RG-316	36	135-3403-001	142-0303-411	26.60	23.95	21.55	19.00
MCX Right Angle Plug to SMA Straight Bulkhead Jack - 50Ω - 6GHz										
∗530-415-0072-006	415-0072-006	G	RG-178	6	135-3402-101	142-0302-431	24.94	22.45	20.20	17.82
∗530-415-0072-012	415-0072-012	G	RG-178	12	135-3402-101	142-0302-431	26.08	23.46	21.12	18.63
∗530-415-0072-018	415-0072-018	G	RG-178	18	135-3402-101	142-0302-431	27.08	24.38	21.93	19.35
∗530-415-0072-024	415-0072-024	G	RG-178	24	135-3402-101	142-0302-431	28.04	25.24	22.72	20.04
∗530-415-0072-036	415-0072-036	G	RG-178	36	135-3402-101	142-0302-431	30.73	27.65	24.89	21.94
∗530-415-0073-006	415-0073-006	G	RG-316	6	133-3403-101	142-0303-411	22.76	20.48	18.44	16.27
∗530-415-0073-012	415-0073-012	G	RG-316	12	133-3403-101	142-0303-411	23.40	21.06	18.96	16.71
∗530-415-0073-018	415-0073-018	G	RG-316	18	133-3403-101	142-0303-411	24.25	21.82	19.64	17.32
∗530-415-0073-024	415-0073-024	G	RG-316	24	133-3403-101	142-0303-411	24.94	22.45	20.21	17.82
∗530-415-0073-036	415-0073-036	G	RG-316	36	133-3403-101	142-0303-411	26.78	24.11	21.69	19.13

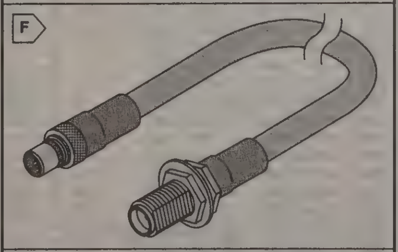

A

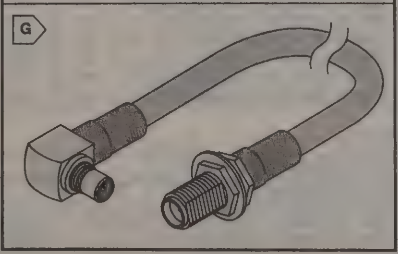

B

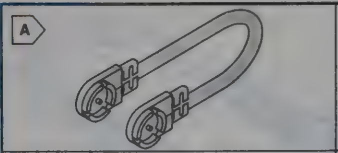
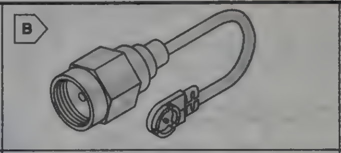
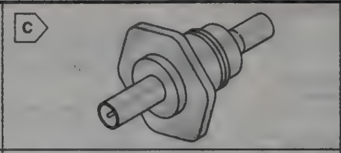
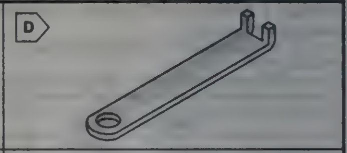
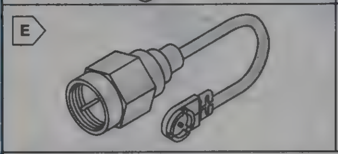
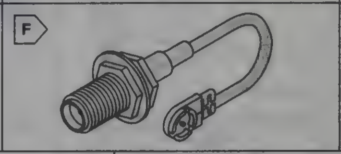
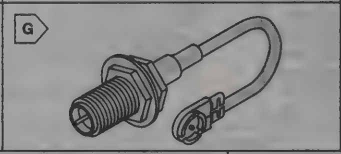
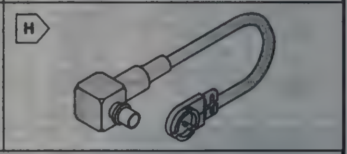
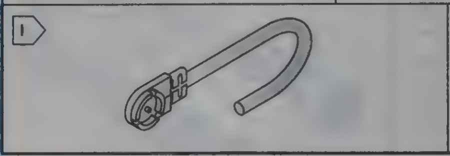
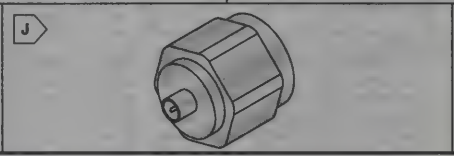
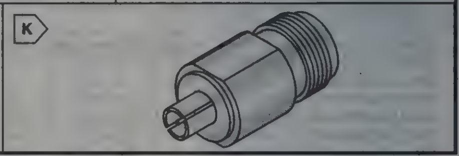

C


D


E


F


G

A

B

C

D

E

F

G

H

I

J

K


FIXED LENGTH FLEXIBLE RF CABLE ASSEMBLIES

Applications
- Wireless LAN, Mini-PCI, and Hand-Held RF Devices
- GSM, GPRS & CDMA Mobile Phones
- PDA & Notebook Computer
- GPS
- Bluetooth
- Microwave radio and measurement

Specifications
- Impedance: 50Ω (Nominal)
- Temperature Range: -40°C to +90°C
- Frequency Rating: 0-6 GHz
- VSWR: 1.30 max
- Durability: 30 cycles

Features
- Ultra Low Connections
- R/A plug to R/A plug cable assemblies on .81mm, 1.13mm, 1.32mmand 1.37mmcables.
- UMC cables available in a variety of standard off-the-shelf lengths (from50mm to 500mm).
- Between-series cables available with standard & reverse polarity SMA plugs and Bulkhead jacks or MMCX plugs on one end of the cable and the UMC plug on the other end.
- In-series UMC adapters available to support testing requirements.
- All cabled plugs and jack receptacles are supplied with gold plated contacts and bodies.
- UMC connectors mate with Hirose U.FL series connectors.*
- RoHS compliant per Johnson documentation.

* Hirose and U.FL are trademarks fo Hirose Electric USA. Hirose Electric is not affiliated with UMC products.

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Mated Height (mm)	Cable Diam. (mm)	Cable Length (mm)	Price Each			
						1	5	10	25
UMC Right Angle Plug to UMC Right Angle Plug									
530-415-0084-050	415-0084-050	A	2.0	0.81	50	4.44	4.15	3.98	3.60
530-415-0084-100	415-0084-100	A	2.0	0.81	100	4.65	4.34	4.16	3.77
530-415-0084-150	415-0084-150	A	2.0	0.81	150	4.94	4.62	4.43	4.01
530-415-0084-200	415-0084-200	A	2.0	0.81	200	5.11	4.77	4.58	4.14
530-415-0084-250	415-0084-250	A	2.0	0.81	250	5.27	4.93	4.73	4.28
530-415-0084-300	415-0084-300	A	2.0	0.81	300	5.53	5.17	4.95	4.48
530-415-0084-500	415-0084-500	A	2.0	0.81	500	6.45	6.03	5.78	5.23
530-415-0085-050	415-0085-050	A	2.5	0.81	50	4.44	4.15	3.98	3.60
530-415-0085-100	415-0085-100	A	2.5	0.81	100	4.65	4.34	4.16	3.77
530-415-0085-150	415-0085-150	A	2.5	0.81	150	4.94	4.62	4.43	4.01
530-415-0085-200	415-0085-200	A	2.5	0.81	200	5.11	4.77	4.58	4.14
530-415-0085-250	415-0085-250	A	2.5	0.81	250	5.27	4.93	4.73	4.28
530-415-0085-300	415-0085-300	A	2.5	0.81	300	5.53	5.17	4.95	4.48
530-415-0085-500	415-0085-500	A	2.5	0.81	500	6.45	6.03	5.78	5.23
530-415-0086-050	415-0086-050	A	2.5	1.13	50	4.44	4.15	3.98	3.60
530-415-0086-100	415-0086-100	A	2.5	1.13	100	4.65	4.34	4.16	3.77
530-415-0086-150	415-0086-150	A	2.5	1.13	150	4.94	4.62	4.43	4.01
530-415-0086-200	415-0086-200	A	2.5	1.13	200	5.11	4.77	4.58	4.14
530-415-0086-250	415-0086-250	A	2.5	1.13	250	5.27	4.93	4.73	4.28
530-415-0086-300	415-0086-300	A	2.5	1.13	300	5.53	5.17	4.95	4.48
530-415-0086-500	415-0086-500	A	2.5	1.13	500	6.45	6.03	5.78	5.23
530-415-0087-050	415-0087-050	A	2.5	1.32	50	4.44	4.15	3.98	3.60
530-415-0087-100	415-0087-100	A	2.5	1.32	100	4.65	4.34	4.16	3.77
530-415-0087-150	415-0087-150	A	2.5	1.32	150	4.94	4.62	4.43	4.01
530-415-0087-200	415-0087-200	A	2.5	1.32	200	5.11	4.77	4.58	4.14
530-415-0087-250	415-0087-250	A	2.5	1.32	250	5.27	4.93	4.73	4.28
530-415-0087-300	415-0087-300	A	2.5	1.32	300	5.53	5.17	4.95	4.48
530-415-0087-500	415-0087-500	A	2.5	1.32	500	6.45	6.03	5.78	5.23
530-415-0088-050	415-0088-050	A	2.5	1.37	50	4.44	4.15	3.98	3.60
530-415-0088-100	415-0088-100	A	2.5	1.37	100	4.65	4.34	4.16	3.77
530-415-0088-150	415-0088-150	A	2.5	1.37	150	4.94	4.62	4.43	4.01
530-415-0088-200	415-0088-200	A	2.5	1.37	200	5.11	4.77	4.58	4.14
530-415-0088-250	415-0088-250	A	2.5	1.37	250	5.27	4.93	4.73	4.28
530-415-0088-300	415-0088-300	A	2.5	1.37	300	5.53	5.17	4.95	4.48
530-415-0088-500	415-0088-500	A	2.5	1.37	500	6.45	6.03	5.78	5.23
UMC Right Angle Plug to SMA Straight Plug									
530-415-0089-150	415-0089-150	B	2.0	0.81	150	23.60	20.65	18.36	17.57
530-415-0089-250	415-0089-250	B	2.0	0.81	250	24.05	21.04	18.71	17.91
530-415-0090-150	415-0090-150	B	2.5	0.81	150	23.60	20.65	18.36	17.57
530-415-0090-250	415-0090-250	B	2.5	0.81	250	24.05	21.04	18.71	17.91
530-415-0091-150	415-0091-150	B	2.5	1.37	150	23.40	20.48	18.20	17.43
530-415-0091-250	415-0091-250	B	2.5	1.37	250	23.70	20.74	18.43	17.65

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Mated Height (mm)	Cable Diam. (mm)	Cable Length (mm)	Price Each			
						1	5	10	25
UMC Right Angle Plug to SMA Straight Reverse Polarity Plug									
530-415-0092-150	415-0092-150	E	2.0	0.81	150	22.55	19.73	17.54	16.79
530-415-0092-250	415-0092-250	E	2.0	0.81	250	22.95	20.08	17.85	17.09
530-415-0093-150	415-0093-150	E	2.5	0.81	150	22.55	19.73	17.54	16.79
530-415-0093-250	415-0093-250	E	2.5	0.81	250	22.95	20.08	17.85	17.09
530-415-0094-150	415-0094-150	E	2.5	1.37	150	20.10	17.59	15.63	14.97
530-415-0094-250	415-0094-250	E	2.5	1.37	250	20.90	18.29	16.26	15.56
UMC Right Angle Plug to SMA Straight Jack									
530-415-0095-150	415-0095-150	F	2.0	0.81	150	20.90	18.29	16.26	15.56
530-415-0095-250	415-0095-250	F	2.0	0.81	250	21.20	18.55	16.49	15.79
530-415-0096-150	415-0096-150	F	2.5	0.81	150	20.90	18.29	16.26	15.56
530-415-0096-250	415-0096-250	F	2.5	0.81	250	21.20	18.55	16.49	15.79
530-415-0097-150	415-0097-150	F	2.5	1.37	150	22.80	19.95	17.73	16.98
530-415-0097-250	415-0097-250	F	2.5	1.37	250	20.90	18.29	16.26	15.56
UMC Right Angle Plug to Bulkhead Reverse Polarity Jack									
530-415-0098-150	415-0098-150	G	2.0	0.81	150	22.40	19.60	17.42	16.68
530-415-0098-250	415-0098-250	G	2.0	0.81	250	22.70	19.86	17.66	16.90
530-415-0099-150	415-0099-150	G	2.5	0.81	150	22.40	19.60	17.42	16.68
530-415-0099-250	415-0099-250	G	2.5	0.81	250	22.70	19.86	17.66	16.90
530-415-0100-150	415-0100-150	G	2.5	1.37	150	22.10	19.34	17.19	16.46
530-415-0100-250	415-0100-250	G	2.5	1.37	250	22.30	19.51	17.34	16.61
UMC Right Angle Plug to MMCX Right Angle Plug									
530-415-0101-150	415-0101-150	H	2.0	0.81	150	20.10	17.59	15.63	14.97
530-415-0101-250	415-0101-250	H	2.0	0.81	250	20.40	17.85	15.87	15.19
530-415-0102-150	415-0102-150	H	2.5	0.81	150	20.10	17.59	15.63	14.97
530-415-0102-250	415-0102-250	H	2.5	0.81	250	20.40	17.85	15.87	15.19
530-415-0103-150	415-0103-150	H	2.5	1.37	150	19.60	17.15	15.24	14.60
530-415-0103-250	415-0103-250	H	2.5	1.37	250	20.00	17.50	15.56	14.89
UMC Right Angle Plug to Bare End									
530-415-0104-150	415-0104-150	I	2.0	0.81	150	3.70	3.24	2.88	2.76
530-415-0104-250	415-0104-250	I	2.0	0.81	250	4.15	3.63	3.23	3.09
530-415-0105-150	415-0105-150	I	2.5	0.81	150	3.70	3.24	2.88	2.76
530-415-0105-250	415-0105-250	I	2.5	0.81	250	4.15	3.63	3.23	3.09
530-415-0106-150	415-0106-150	I	2.5	1.13	150	3.70	3.24	2.88	2.76
530-415-0106-250	415-0106-250	I	2.5	1.13	250	4.15	3.63	3.23	3.09
530-415-0107-150	415-0107-150	I	2.5	1.32	150	3.70	3.24	2.88	2.76
530-415-0107-250	415-0107-250	I	2.5	1.32	250	4.15	3.63	3.23	3.09
530-415-0108-150	415-0108-150	I	2.5	1.37	150	3.70	3.24	2.88	2.76
530-415-0108-250	415-0108-250	I	2.5	1.37	250	4.15	3.63	3.23	3.09

TOOL

For quantities of 10 and up, call for quote.

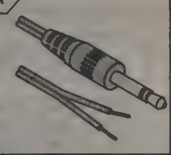
MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Price Each	
				1	5
530-134-1019-381	134-1019-381	C	Inspection Tool	116.66	105.00
530-128-0000-901	128-0000-901	D	UMC Seperation Key	3.72	3.47

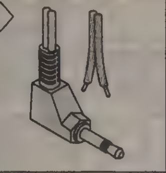
ADAPTERS

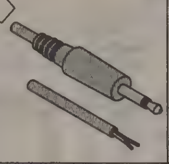
For quantities of 10 and up, call for quote.

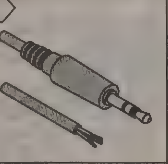
MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Price Each	
				1	5
530-134-1019-361	134-1019-361	J	UMC Jack to SMA Plug	111.11	100.00
530-134-1019-371	134-1019-371	K	UMC Plug to SMA Jack	111.11	100.00

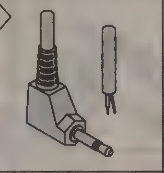
KOBICONN Cable Assemblies and Adapters

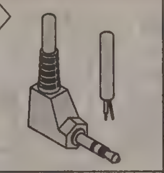
A


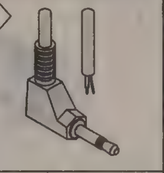
B


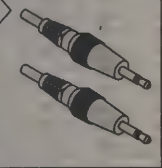
C


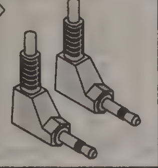
D


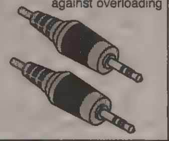
E


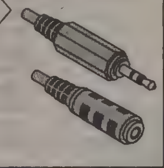
F


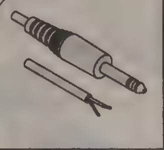
G


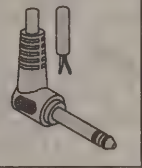
H


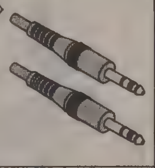
I


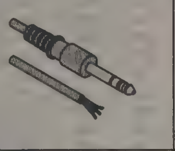
J
Patch cord for dubbing; built-in resistors protect against overloading


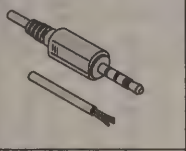
K


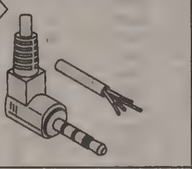
L


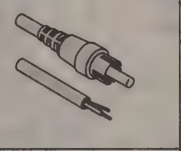
M


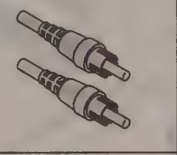
N


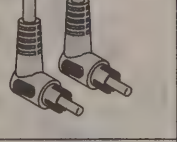
O


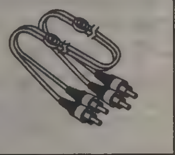
P


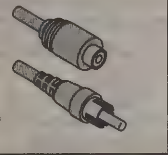
Q


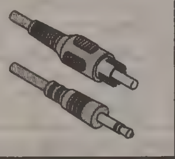
R


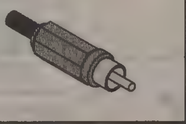
S


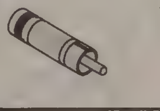
T
Gold Plated Contacts


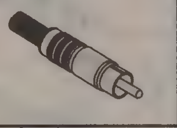
U


V


W


X


Y


Z


PHONE TYPE CABLES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	L (In.)	Color	Termination	Termination	Price Each		
						1	10	100
2.5mm Connector, Parallel Cable								
172-2133	A	36	Black	Mono plug	Stripped and tinned	1.60	1.23	1.12
172-2103	A	72	Black	Mono plug	Stripped and tinned	1.65	1.37	1.24
172-2113	A	120	Black	Mono plug	Stripped and tinned	2.10	1.76	1.60
172-2003	B	72	Gray	Mono, 90° plug	Stripped and tinned	2.15	1.66	1.51
2.5mm Connector, Shielded Cable								
172-2104	C	72	Black	Mono plug	Stripped and tinned	2.57	1.97	1.79
172-2114	C	120	Black	Mono plug	Stripped and tinned	3.16	2.63	2.39
172-2134	C	36	Black	Mono plug	Stripped and tinned	2.00	1.67	1.52
172-0120	C	72	Gray	Mono plug	Stripped and tinned	2.67	2.24	2.03
172-2234	D	36	Black	Stereo plug	Stripped and tinned	2.97	2.40	2.17
172-2204	D	72	Black	Stereo plug	Stripped and tinned	3.90	3.00	2.74
172-2214	D	120	Black	Stereo plug	Stripped and tinned	5.14	3.95	3.59
172-2304	D	72	Gray	Stereo plug	Stripped and tinned	3.61	3.00	2.73
172-2004	E	72	Gray	Mono, 90° plug	Stripped and tinned	2.68	2.06	1.88
172-2009	E	36	Black	Mono, 90° plug	Stripped and tinned	2.06	1.59	1.45
172-2069	E	72	Black	Mono, 90° plug	Stripped and tinned	2.78	2.14	1.94
172-2019	E	120	Black	Mono, 90° plug	Stripped and tinned	3.58	2.75	2.50
172-2310	F	36	Black	Stereo, 90° plug	Stripped and tinned	3.78	3.15	2.86
172-2010	F	72	Black	Stereo, 90° plug	Stripped and tinned	5.17	3.98	3.61
172-2110	F	120	Black	Stereo, 90° plug	Stripped and tinned	5.68	4.73	4.31
172-2533	K	36	Black	Stereo plug	Stereo Jack	3.38	2.60	2.36
172-2574	K	72	Black	Stereo plug	Stereo Jack	4.85	3.23	2.94
172-2535	K	120	Black	Stereo plug	Stereo Jack	6.18	4.75	4.32
172-7425	P	72	Black	4 Cond Stereo Plug	Stripped and tinned	4.62	3.55	3.23
172-7426	Q	72	Black	4 Cond Stereo 90°	Stripped and tinned	4.62	3.08	2.80
3.5mm Connector, Parallel Cable								
172-1283	A	36	Black	Mono plug	Stripped and tinned	1.74	1.34	1.22
172-1286	A	72	Black	Mono plug	Stripped and tinned	2.07	1.59	1.45
172-1281	A	120	Black	Mono plug	Stripped and tinned	2.78	2.32	2.11
172-2005	B	72	Gray	Mono, 90° plug	Stripped and tinned	2.50	1.92	1.74
3.5mm Connector, Shielded Cable								
172-0109	C	72	Gray	Mono plug	Stripped and tinned	2.20	1.83	1.66
172-2136	C	36	Black	Mono plug	Stripped and tinned	1.79	1.37	1.25
172-2106	C	72	Black	Mono plug	Stripped and tinned	2.59	1.99	1.81
172-2116	C	120	Black	Mono plug	Stripped and tinned	3.40	2.61	2.38
172-2236	D	36	Black	Stereo plug	Stripped and tinned	2.54	2.11	1.93
172-2206	D	72	Black	Stereo plug	Stripped and tinned	3.64	2.81	2.56
172-2216	D	120	Black	Stereo plug	Stripped and tinned	4.95	3.81	3.46
172-2306	D	72	Gray	Stereo plug	Stripped and tinned	3.38	2.82	2.57
172-2036	F	36	Black	Stereo 90° plug	Stripped and tinned	3.41	2.84	2.59
172-2011	F	72	Black	Stereo 90° plug	Stripped and tinned	4.55	3.78	3.47
172-2016	F	120	Black	Stereo 90° plug	Stripped and tinned	5.91	4.93	4.48
172-2017	F	72	Gray	Stereo 90° plug	Stripped and tinned	3.72	3.09	2.84
172-2006	G	72	Gray	Mono, 90° plug	Stripped and tinned	2.64	2.03	1.84
172-3536	H	36	Gray	Mono plug	Mono plug	2.68	2.06	1.88
172-0129	H	60	Gray	Mono plug	Mono plug	3.30	2.54	2.31
172-2137	H	36	Black	Mono plug	Mono plug	2.24	1.72	1.56
172-2107	H	60	Black	Mono plug	Mono plug	2.83	2.18	1.98
172-2117	H	120	Black	Mono plug	Mono plug	3.96	3.04	2.77
172-0106	H	72	Gray	Mono plug	Mono plug	3.53	2.72	2.47
172-2007	I	60	Gray	Mono, 90° plug	Mono, 90° plug	2.47	1.92	1.76
172-2008	I	72	Gray	Mono, 90° plug	Mono, 90° plug	3.16	2.43	2.21
172-3534	J	36	Black	Stereo plug	Stereo plug	4.41	3.68	3.33
3.5mm Connector, Shielded Cable (cont.)								
172-3504	J	72	Black	Stereo plug	Stereo plug	4.89	4.15	3.77
172-3514	J	120	Black	Stereo plug	Stereo plug	6.01	5.01	4.55
172-3533	K	36	Black	Stereo plug	Stereo jack	3.48	2.68	2.44
172-3574	K	72	Black	Stereo plug	Stereo jack	3.50	2.92	2.65
172-3535	K	120	Black	Stereo plug	Stereo jack	5.42	4.17	3.79
172-2238	N	36	Black	Stereo plug	Stereo plug	3.17	2.11	1.92
172-2208	N	72	Black	Stereo plug	Stereo plug	3.98	3.33	3.03
172-2218	N	120	Black	Stereo plug	Stereo plug	5.19	3.99	3.63
172-7435	P	72	Black	4 Cond Stereo Plug	Stripped and tinned	4.48	3.44	3.13
172-7436	Q	72	Black	4 Cond Stereo 90°	Stripped and tinned	4.49	2.99	2.72
1/4" Connector, Shielded Cable								
172-0110	L	72	Gray	Mono plug	Stripped and tinned	3.11	2.39	2.17
172-3101	L	72	Black	Mono plug	Stripped and tinned	2.83	2.36	2.15
172-3001	M	72	Gray	Mono, 90° plug	Stripped and tinned	2.49	2.11	1.92
172-0001	N	72	Black	Stereo plug	Stereo plug	5.19	3.99	3.63
1/4" Connector, Unshielded Cable								
172-0108	O	72	Black	Stereo plug	Stripped and tinned	4.05	3.12	2.83

RCA PHONO TYPE CABLES / ADAPTERS

Shielded Cable

For quantities of 500 and up, call for quote.

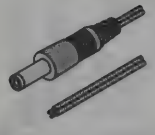
172-1133	R	36	Black	RCA plug	Stripped and tinned	1.78	1.37	1.24
172-1103	R	72	Black	RCA plug	Stripped and tinned	2.48	1.91	1.74
172-1113	R	120	Black	RCA plug	Stripped and tinned	3.39	2.61	2.38
17FH101	S	36	Gray	RCA plug	RCA plug	1.84	1.42	1.29
17FH105	S	60	Gray	RCA plug	RCA plug	2.64	2.03	1.84
172-1011	S	120	Gray	RCA plug	RCA plug	3.23	2.94	2.67
172-1101	S	36	Black	RCA plug	RCA plug	1.89	1.52	1.38
172-1166	S	72	Black	RCA plug	RCA plug	2.60	1.99	1.81
172-1112	S	72	Gray	RCA plug	RCA plug	2.97	2.28	2.07
172-1001	T	36	Gray	Rt. angle RCA plug	Rt. angle RCA plug	2.14	1.65	1.50
172-1002	T	60	Gray	Rt. angle RCA plug	Rt. angle RCA plug	2.68	2.06	1.88
172-1110	T	120	Gray	Rt. angle RCA plug	Rt. angle RCA plug	3.91	3.01	2.74
172-0043	U	36	Black	1red/1blk RCA plug	1red/1blk RCA plug	4.57	3.81	3.46
172-0004	U	72	Black	1red/1blk RCA plug	1red/1blk RCA plug	5.42	4.17	3.79
172-0041	U	120	Black	1red/1blk RCA plug	1red/1blk RCA plug	7.17	5.52	5.01
172-0023	V	36	Black	RCA plug	RCA jack	2.09	1.74	1.59
172-0020	V	72	Black	RCA plug	RCA jack	2.70	2.25	2.04
172-0021	V	120	Black	RCA plug	RCA jack	3.54	2.95	2.67
172-0002	W	72	Black	RCA plug	3.5mm mono plug	2.59	1.99	1.81
172-0012	W	36	Black	RCA plug	3.5mm mono plug	2.40	1.85	1.68
172-0013	W	120	Black	RCA plug	3.5mm mono plug	3.86	2.97	2.70

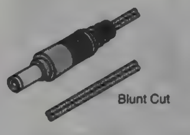
Phono Adapters

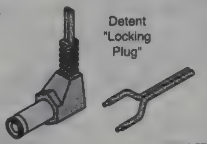
For quantities of 1000 and up, call for quote.

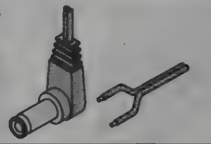
MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
172-RPA1201	X	5mm RCA Plug	.32	.25	.22	.19
172-RPA1005	Y	5mm RCA Plug Metal	.90	.69	.63	.50
172-RPA1205	Z	8mm RCA Plug Metal	1.84	1.48	1.35	1.15

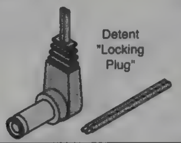
KOBICONN Cable Assemblies and Auto Power Connectors

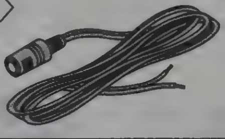
A


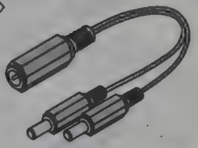
B


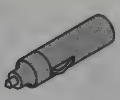
C


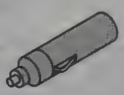
D


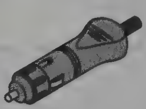
E


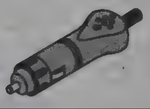
F


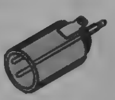
G


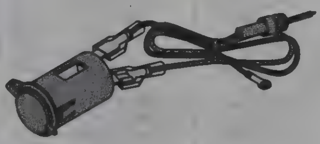
H


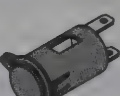
I


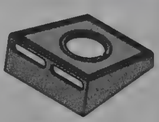
J


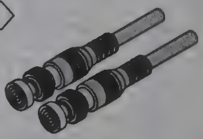
K


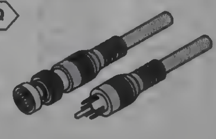
L


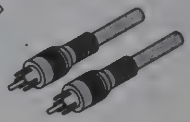
M


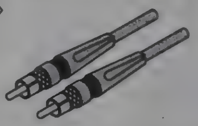
N


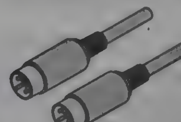
O


P


Q


R


S


T


DC POWER CABLES

∗ Detent Locking Plugs † Blunt Cut

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Length (In.)	AWG	Plug Dimensions (mm)			Price Each			
					I.D.	O.D.	Length	1	10	100	500
Straight • Cord type: parallel with striped pin indicator											
172-4206	A	Black	120	24	1.3	3.4	9.0	3.20	2.46	2.24	2.04
172-1370	A	Gray	72	24	1.3	3.4	12	3.20	2.46	2.24	2.04
172-0171	A	Black	72	24	1.7	4.0	9.5	1.93	1.61	1.46	1.33
172-0172	A	Black	72	24	1.7	4.8	9.5	2.26	1.74	1.58	1.44
172-4101	A	Black	72	24	2.1	5.5	11	2.03	1.85	1.68	1.53
172-4204	A	Black	36	24	2.1	5.5	12	1.65	1.27	1.15	1.05
† 172-4203	B	Black	24	24	2.1	5.5	12	1.41	1.08	.99	.90
17FH114	A	Black	72	24	2.5	5.5	12	2.24	1.72	1.56	1.42
172-0014	A	Gray	72	24	2.5	5.5	11	1.83	1.41	1.29	1.17
172-4201	A	Black	72	18	2.5	5.5	12	3.96	3.04	2.70	2.52
172-4205	A	Black	36	24	2.5	5.5	12	1.58	1.20	1.09	.99
† 172-4202	B	Black	24	18	2.5	5.5	12	1.87	1.70	1.55	1.41
Right Angle											
172-1373	C	Black	120	24	1.3	3.4	9.0	3.06	2.35	2.14	1.95
172-0173	D	Black	72	24	1.7	4.0	9.5	2.26	1.67	1.51	1.38
172-0174	D	Black	72	24	1.7	4.8	9.5	2.40	1.85	1.68	1.53
∗ 172-1015	E	Black	120	24	2.1	5.5	14	2.72	2.09	1.90	1.73
172-4001	D	Gray	72	24	2.1	5.5	11	2.73	2.10	1.91	1.74
† 172-4207	D	Black	24	18	2.1	5.5	12	2.40	1.85	1.68	1.53
∗ 172-1016	E	Black	6	24	2.1	5.5	14	1.36	1.24	1.12	1.02
172-1018	D	Black	120	24	2.5	5.5	12	2.01	1.67	1.52	1.38
172-4000	D	Black	72	24	2.5	5.5	12	2.45	1.88	1.71	1.56
† 172-4208	D	Black	24	18	2.5	5.5	12	2.35	1.81	1.65	1.50
172-1017	D	Black	6	24	2.5	5.5	12	1.25	.96	.88	.80
Straight Jack											
172-0210	F	Black	72	24	2.1	5.5	9.5	2.83	2.17	1.98	1.80
172-0250	F	Black	72	24	2.5	5.5	9.5	2.78	2.14	1.94	1.77
Y Adapters											
172-2111	G	Black	8	26	2.1 JK	—	—	3.25	2.71	2.66	2.54
172-2555	G	Black	8	26	2.5 JK	—	—	3.25	2.71	2.60	2.54

AUTO POWER PLUGS AND RECEPTACLES

- 12VDC, plugs directly into standard cigarette lighter

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
Plugs						
171-6001	H	Black plastic, unscrews for easy soldering	.83	.63	.57	.52
171-0129-EX	I	Plug with solder tab, black	1.23	1.03	.94	.85
171-A1378-EX	J	Black plastic, 20Amp, no fuse needed	1.31	1.09	.99	.89
171-A1326-EX	K	8A/12VDC Fuse and green led	2.45	1.99	1.79	1.61
Receptacles						
161-2050	L	12VDC receptacle	3.11	2.47	2.24	2.04
161-65B2-E	M	Snap-in socket w/fuseholder and wiring harness	5.15	4.68	4.25	3.87
161-1365-E	N	Snap-in socket with dust cover	3.23	2.68	2.43	2.21
400-65B2-GRX	O	Mounting bracket for 161-65B2-E and 161-1365-E	1.10	.85	.77	.70

50 OHM SHIELDED RF CABLE ASSEMBLIES

All cable assemblies feature a molded strain relief that combines the cable and the nickel plated brass connectors into a single unified assembly minimizing failure due to bending and flexing.

RoHS Compliant

Features:

- Low noise interference
- Weather resistant
- Excellent impedance characteristics
- Flexible
- Molded strain relief

Specifications:

- Cable type: RG 58C/U
- Impedance: 50Ω
- Insulation: polyethylene
- Shielding: tinned copper, 96% coverage

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Color	Description	Price Each		
					1	10	100
172-2012-EX	P	12	Black	BNC plug to BNC plug	5.64	4.66	4.28
172-2024-EX	P	24	Black	BNC plug to BNC plug	5.18	4.28	3.93
172-2048-EX	P	48	Black	BNC plug to BNC plug	4.78	3.99	3.63
172-2150-EX	P	72	Black	BNC plug to BNC plug	6.76	5.62	5.11
172-2151-EX	Q	72	Black	BNC plug to RCA plug	6.06	5.13	4.67
172-2152-EX	R	72	Black	RCA plug to RCA plug	4.04	3.37	3.06

75 OHM SHIELDED RF CABLE ASSEMBLIES

These 75Ω coaxial cables offer low noise connections due to their shielded construction. Cables are securely attached to plugs and most are supplied with strain reliefs.

- Impedance: 75Ω
- Tinned copper braid shield

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Color	Description	Price Each		
					1	10	100
BNC - BNC							
172-6650	P	72	Black	BNC plug to BNC plug	8.20	6.84	6.21
172-2129-EX	P	72	Black	BNC plug to BNC plug	10.10	8.58	7.80
BNC/RCA Type							
172-6670	Q	72	Black	BNC plug to RCA plug	7.55	5.80	5.28
172-2130-EX	Q	72	Black	BNC plug to RCA plug	9.74	7.49	6.81
172-2101-EX	S	72	Black	RCA plug to RCA plug	9.74	7.49	6.81

S-VHS VIDEO CABLES

For quantities of 500 and up, call for quote.

524-32-3165	T	72	Black	4 pin s-connector plug to 4-pin s-connector plug	4.47	4.02	3.89
524-32-3166	T	144	Black	4 pin s-connector plug to 4-pin s-connector plug	8.74	7.15	5.74

KOBICONN Cable Assemblies and Adapters

MOLDED EXTENSION CABLES

Features:

- Non-UL wire
- 28AWG PVC cover
- Color: beige
- Max Current: 500ma
- 4-40 holding screws
- Connector Housing: nickel plated steel
- Insulator PBT 30% glass
- Pins: brass, gold plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Length (In.)	Description	Price Each		
					1	10	100
9 Pin - 9 Pin							
172-0909	A	Beige	72	9 Pin Male to 9 Pin Male	5.99	4.61	4.19
172-0906	A	Beige	72	9 Pin Male to 9 Pin Female	5.11	3.93	3.57
172-0910	A	Beige	120	9 Pin Male to 9 Pin Female	8.11	6.24	5.76
172-1906	A	Beige	72	9 Pin Female to 9 Pin Female	5.09	4.34	4.16
172-1910	A	Beige	120	9 Pin Female to 9 Pin Female	8.30	6.38	5.80
25 Pin - 25 Pin							
172-2525	B	Beige	72	25 Pin Male to 25 Pin Female	8.24	6.60	5.25
25 Pin - 9 Pin							
172-0925	C	Beige	72	25 Pin Male to 9 Pin Female	5.11	4.34	4.16
15 Pin - 15 Pin Hi-Density Video Cable							
172-1520	A	Beige	79	15 Pin HD Male to 15 Pin HD Female	4.71	3.93	2.99
6 Pin - 6 Pin Coiled Keyboard Extension Cable							
172-6620	D	Beige	79 Ext.	6 Pin Mini-Din to male-6 Pin female	4.54	3.78	2.89

DIN TYPE CABLES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Length (In.)	Description	Price Each		
					1	10	100
172-0007	E	Black	72	5 pin DIN plug to stripped and tinned	5.52	4.61	4.20
172-0008	F	Black	72	8 pin DIN plug to 24 AWG stripped and tinned leads shielded cable	6.84	5.26	4.78

ADAPTERS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
172-0003	G	5" black shielded cable, 2 RCA jacks to 3.5mm stereo plug	2.45

PHONO ADAPTERS

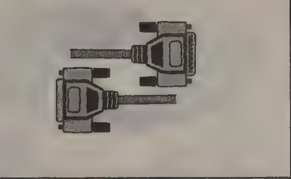
Specifications:

- Body material: PVC plastic
- Contact material: nickel plated brass
- Insulation resistance: 100MΩ min.
- Contact resistance: 30mΩ max.
- Breakdown voltage: 500VAC 1 min.
- Insulation material: ABS plastic

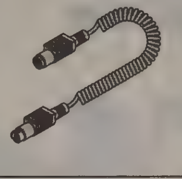
For quantities of 10 and up, call for quote.

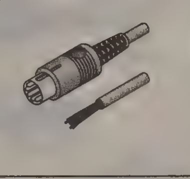
172-4010	H	Standard black RCA plug to 2 RCA jacks, 1 red and 1 white	2.07
172-4011	I	Standard black RCA jack to 2 RCA plugs, 1 red and 1 white	2.17
172-0601	J	1 red/1 black RCA plug to 3.5mm stereo plug 39"	3.20
172-0602	J	1 red/1 black RCA plug to 3.5mm stereo plug 78"	3.56
172-0603	J	1 red/1 black RCA plug to 3.5mm stereo plug 118"	4.86
161-4200-EX	K	Phono adapter 1 plug to 2 jacks	2.72
171-ADRPRP	L	RCA plug to RCA plug	1.59
171-ADRJRJ	M	RCA jack to RCA jack	1.05
171-AD32D31	N	3.5mm Stereo plug - 2 x 2.5mm mono jack	2.24

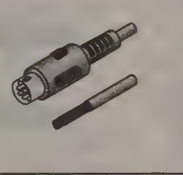
A

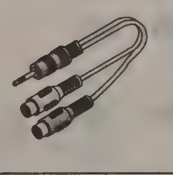
B


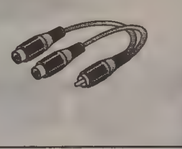
C

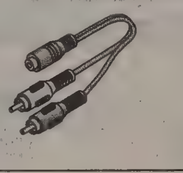
D


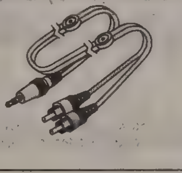
E


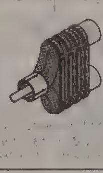
F


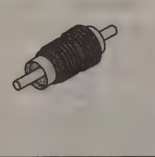
G


H


I


J


K


L


M

N

D-SUB FLAT CABLE ASSEMBLIES

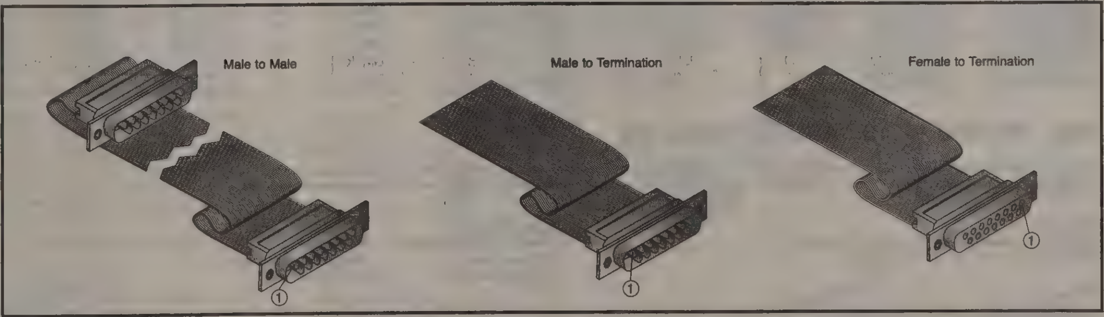
For all your custom flat cable needs call for a quote.

Material Specifications:

- Shell: Steel zinc plated
- Socket contact: Phosphor bronze, Gold plated over nickel 3 micro/inch
- Insulator: PBT and 30% glass fiber reinforced UL-94-VO
- All cables are 100% tested

Electrical Specifications:

- Current rating: 1A
- Dielectric strength: 1000V for 1 minute
- Insulator resistance: 1000MΩ min. @ 500VDC
- Temperature: -55°C to +105°C



Male to Male

Male to Termination

Female to Termination

Male to Male

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Length (Feet)	Price Per Each		
			1	10	100
175-196GA1	9	6	6.75	5.10	3.90
175-1910GA1	9	10	7.45	5.65	4.30
175-19156GA1	15	6	9.00	6.85	5.25
175-191510GA1	15	10	10.15	7.70	5.90
175-19256GA1	25	6	12.70	9.60	7.35
175-192510GA1	25	10	14.40	10.95	8.35
175-19376GA1	37	6	18.80	14.30	10.95
175-193710GA1	37	10	21.50	16.30	12.50

Male to Termination

For quantities of 250 and up, call for quote.

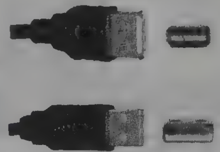
MOUSER STOCK NO.	No. of Contacts	Length (Feet)	Price Per Each		
			1	10	100
175-1696GA1	9	6	3.95	2.95	2.25
175-16910GA1	9	10	4.60	3.50	2.65
175-16156GA1	15	6	5.34	4.50	3.10
175-161510GA1	15	10	6.40	4.85	3.70
175-16256GA1	25	6	7.65	5.80	4.40
175-162510GA1	25	10	9.40	7.10	5.40
175-16376GA1	37	6	11.45	8.60	6.65
175-163710GA1	37	10	14.10	10.70	8.20

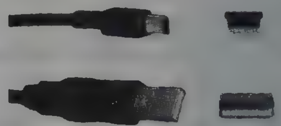
Female to Termination

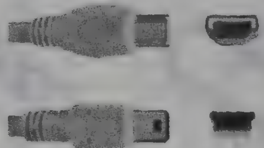
For quantities of 250 and up, call for quote.

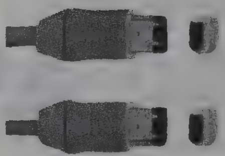
MOUSER STOCK NO.	No. of Contacts	Length (Feet)	Price Per Each		
			1	10	100
175-1796GA1	9	6	4.33	3.25	2.50
175-17910GA1	9	10	5.05	3.80	2.90
175-17156GA1	15	6	5.85	4.50	3.40
175-171510GA1	15	10	6.95	5.25	4.00
175-17256GA1	25	6	8.40	6.35	4.85
175-172510GA1	25	10	10.15	7.70	5.90
175-17376GA1	37	6	12.60	9.55	7.30
175-173710GA1	37	10	15.25	11.55	8.85

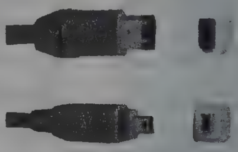
A

B


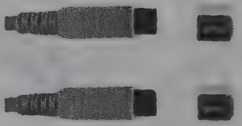
C


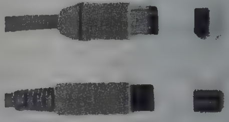
D


E


F


G

H


I


USB AND USB ON-THE-GO (OTG) CABLE ASSEMBLIES

USB allows the hot-pluggable connection of I/O ports into a single interface with automatic configuration capabilities and increased bandwidth. Molex offers a wide range of products supporting USB, including USB Standard A, USB Standard B, extender assemblies, and for applications where space is a constraint, USB On-The-Go.

RoHS Compliant

Features:
- Meets tight packaging needs
- USB On-The-Go is about 1/8th the size of standard USB-B connectors
- Provides host identification between devices through 5-pin design
- Operates at speeds up to 480 Mbps

Applications:
- Cell phones
- Digital still cameras
- PDAs
- MP3 players
- Other portable and hand-held devices
- Desktop PCs
- Notebook PCs
- Scanners

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Color	Length (Feet)	Price Each				
						1	5	10	25	50
538-68806-0001	68806-0001	A	USB 2.0 Type A/B	Black	3.3	**2.36**	**2.30**	**2.26**	**2.21**	**2.13**
538-68806-0004	68806-0004	A	USB 2.0 Type A/B	Black	6.6	**2.82**	**2.74**	**2.70**	**2.64**	**2.54**
538-68806-0007	68806-0007	A	USB 2.0 Type A/B	Black	10	**3.64**	**3.54**	**3.48**	**3.40**	**3.28**
538-68806-0008	68806-0008	A	USB 2.0 Type A/B	White	10	**3.64**	**3.54**	**3.48**	**3.40**	**3.28**
538-68806-0010	68806-0010	A	USB 2.0 Type A/B	Black	16.4	**5.33**	**5.19**	**5.10**	**4.98**	**4.81**
538-68806-0013	68806-0013	B	USB Extender Type A/A	Black	6.6	**2.93**	**2.85**	**2.80**	**2.74**	**2.64**
538-68806-0015	68806-0015	B	USB Extender Type A/A	Black	10	**4.00**	**3.89**	**3.83**	**3.74**	**3.61**
538-68806-0019	68806-0019	C	USB 2.0 Type A to 5-pin Mini B	Black	3.3	**2.27**	**2.21**	**2.18**	**2.13**	**2.05**
538-68806-0020	68806-0020	C	USB 2.0 Type A to 5-pin Mini B	White	3.3	**2.27**	**2.21**	**2.18**	**2.13**	**2.05**
538-68806-0026	68806-0026	C	USB 2.0 Type A to 5-pin Mini B	Black	6.6	**2.78**	**2.71**	**2.66**	**2.60**	**2.51**
538-68806-0027	68806-0027	C	USB 2.0 Type A to 5-pin Mini B	White	6.6	**2.78**	**2.71**	**2.66**	**2.60**	**2.51**
538-68806-0029	68806-0029	C	USB 2.0 Type A to 5-pin Mini B	Black	10	**3.54**	**3.45**	**3.39**	**3.32**	**3.20**
538-68806-0031	68806-0031	D	USB On-The-Go Mini-A to Mini-B	Black	2.6	**2.20**	**2.14**	**2.11**	**2.06**	**1.98**
538-68806-0033	68806-0033	D	USB On-The-Go Mini-A to Mini-B	Black	3.3	**2.27**	**2.21**	**2.18**	**2.13**	**2.05**
538-68806-0035	68806-0035	D	USB On-The-Go Mini-A to Mini-B	Black	4	**2.45**	**2.39**	**2.35**	**2.30**	**2.21**
538-68806-0039	68806-0039	D	USB On-The-Go Mini-A to Mini-B	Black	6	**2.78**	**2.71**	**2.66**	**2.60**	**2.51**

IEEE 1394 AND 1394B CABLE ASSEMBLIES

Known as "FireWire" by Apple and "i.Link" by Sony, this simple to use, peer-to-peer interconnect system can carry a dense multimedia data stream at a maximum speed of 400 Mbps. IEEE 1394 is unique in its ability to carry video and audio with assured quality, based on its high bandwidth capabilities.

RoHS Compliant

Features:
- Hot plugging capability - Ideal as consumer interface
- Keying mechanism - Eliminates mismating

Applications:
- Desktop/laptop computers
- DV camcorders
- External hard drives
- Set-top boxes
- DVD/audio components
- HDTV/DVCR

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Color	Length (Feet)	Price Each				
						1	5	10	25	50
538-68808-0001	68808-0001	E	IEEE 1394 - 6 pin (M) to 6 pin (M)	Grey	3.3	**12.99**	**11.99**	**10.99**	**9.99**	**7.99**
538-68808-0002	68808-0002	E	IEEE 1394 - 6 pin (M) to 6 pin (M)	Grey	6.6	**14.99**	**13.99**	**12.99**	**10.99**	**8.99**
538-68808-0003	68808-0003	E	IEEE 1394 - 6 pin (M) to 6 pin (M)	Grey	15	**21.99**	**19.99**	**17.99**	**14.99**	**12.99**
538-68808-0004	68808-0004	F	IEEE 1394 - 6 pin (M) to 4 pin (M)	Grey	3.3	**12.99**	**11.99**	**10.99**	**9.99**	**7.99**
538-68808-0005	68808-0005	F	IEEE 1394 - 6 pin (M) to 4 pin (M)	Grey	6.6	**14.99**	**13.99**	**12.99**	**10.99**	**8.99**
538-68808-0006	68806-0006	F	IEEE 1394 - 6 pin (M) to 4 pin (M)	Grey	15	**21.99**	**20.99**	**19.99**	**17.99**	**14.99**
538-68808-0007	68808-0007	G	IEEE 1394 - 4 pin (M) to 4 pin (M)	Grey	3.3	**12.99**	**11.99**	**10.99**	**9.99**	**7.99**
538-68808-0008	68808-0008	G	IEEE 1394 - 4 pin (M) to 4 pin (M)	Grey	6.6	**16.99**	**15.99**	**14.99**	**12.99**	**9.99**
538-68808-0009	68808-0009	G	IEEE 1394 - 4 pin (M) to 4 pin (M)	Grey	15	**21.99**	**20.99**	**19.99**	**17.99**	**14.99**
538-68808-0010	68808-0010	H	IEEE 1394b Beta Cable - 9 pin (M) to 9 pin (M)	Grey	3.3	**22.99**	**21.99**	**20.99**	**18.99**	**14.99**
538-68808-0011	68808-0011	H	IEEE 1394b Beta Cable - 9 pin (M) to 9 pin (M)	Grey	6.6	**25.99**	**24.99**	**23.99**	**20.99**	**17.99**
538-68808-0012	68808-0012	H	IEEE 1394b Beta Cable - 9 pin (M) to 9 pin (M)	Grey	15	**38.99**	**37.99**	**36.99**	**29.99**	**23.99**
538-68808-0015	68808-0015	I	IEEE 1394b Bilingual Cable - 9 pin (M) to 6 pin (M)	Grey	15	**38.99**	**37.99**	**36.99**	**29.99**	**23.99**

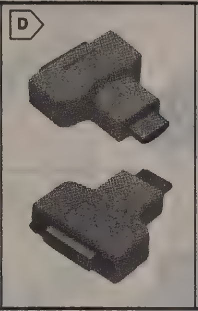
MOLEX Cable Assemblies

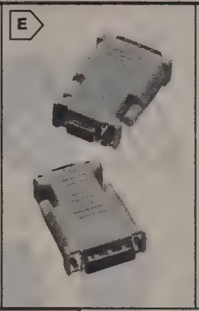
RoHS Compliant **This page of product is compliant.**

A

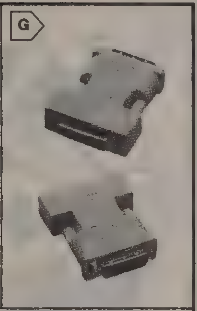
B

C

D


E


F

G


HIGH DEFINITION MULTIMEDIA INTERFACE (HDMI) CABLES & ADAPTERS

The HDMI connector system is a small, user-friendly interconnect that can provide up to 5.0 Gbps of bandwidth to support video and multi-channel audio in a single cable. HDMI eliminates the cost, complexity and confusion of multiple cables used to connect current A/V systems.

Features:

- Gold plated connectors provide superior signal integrity
- High speed data transfer with bandwidth up to 5.0 Gbps
- Gas-injected dielectric for optimal signal performance
- Ergonomic grip and strain relief provide easy installation
- Fully shielded for superior EMI/RFI protection

Applications:

- Digital TVs
- Plasma displays
- Audio/video receivers
- LCD monitors
- DVD players/recorders
- D-VHS players
- High definition monitors
- Satellite boxes
- Set-top boxes

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Length	Price Each		
					1	5	10
538-68803-0015	68803-0015	A	HDMI (M) to HDMI (M) Gold	3.3 ft.	**19.99**	**18.99**	**17.99**
538-68803-0016	68803-0016	A	HDMI (M) to HDMI (M) Gold	6.6 ft.	**20.99**	**19.99**	**18.99**
538-68803-0017	68803-0017	A	HDMI (M) to HDMI (M) Gold	10 ft.	**24.99**	**23.99**	**22.99**
538-68803-0018	68803-0018	A	HDMI (M) to HDMI (M) Gold	16.4 ft.	**29.99**	**28.99**	**27.99**
538-68803-0019	68803-0019	A	HDMI (M) to HDMI (M) Gold - Superflex Cable	3.3 ft.	**22.99**	**21.99**	**20.99**
538-68803-0020	68803-0020	A	HDMI (M) to HDMI (M) Gold - Superflex Cable	6.6 ft.	**24.99**	**23.99**	**22.99**
538-68803-0021	68803-0021	A	HDMI (M) to HDMI (M) Gold - Superflex Cable	10 ft.	**27.99**	**26.99**	**25.99**
538-68803-0027	68803-0027	B	HDMI (M) to DVI (M) Gold	3.3 ft.	**19.99**	**18.99**	**17.99**
538-68803-0028	68803-0028	B	HDMI (M) to DVI (M) Gold	6.6 ft.	**22.99**	**21.99**	**20.99**
538-68803-0029	68803-0029	B	HDMI (M) to DVI (M) Gold	10 ft.	**28.99**	**27.99**	**26.99**
538-68803-0031	68803-0031	B	HDMI (M) to DVI (M) Gold - Superflex Cable	3.3 ft.	**23.99**	**22.99**	**21.99**
538-68803-0032	68803-0032	B	HDMI (M) to DVI (M) Gold - Superflex Cable	6.6 ft.	**25.99**	**24.99**	**23.99**
538-68803-0033	68803-0033	B	HDMI (M) to DVI (M) Gold - Superflex Cable	10 ft.	**33.99**	**32.99**	**31.99**
538-68803-0025	68803-0025	C	HDMI (F) to DVI-D (M) Gold Adapter	-	**12.99**	**11.99**	**10.99**
538-68803-0026	68803-0026	D	HDMI (M) to DVI-D (F) Gold Adapter	-	**12.99**	**11.99**	**10.99**

MICROCROSS™ DVI CABLES, ADAPTERS, AND M1 CABLES

MicroCross DVI cables and adapters provide a high-bandwidth digital video interface for the host and display devices of today, while addressing the bandwidth requirements of tomorrow. M1 cables from Molex easily connect two display devices to either a digital or analog DVI, VGA or DFP input, with increased video and data transmission flexibility.

Applications:

- Desktop Computers
- Multimedia equipment
- Set-top boxes
- Satellite boxes
- Flat panel displays
- High definition monitors

RoHS Compliant

For quantities of 50 and up, call for quote.

Adapters							
538-68802-0001	68802-0001	E	DVI-A Plug (M) to VGA Receptacle (F)	-	**11.99**	**10.99**	**9.99**
538-68802-0002	68802-0002	F	DVI-D Plug (M) to DFP Receptacle (F)	-	**11.99**	**10.99**	**9.99**
538-68802-0003	68802-0003	G	DVI-D Plug (M) to P&D Digital Receptacle (F)	-	**11.99**	**10.99**	**9.99**
538-68802-0004	68802-0004	H	DVI-A Receptacle (F) to VGA Plug (M)	-	**11.99**	**10.99**	**9.99**
538-68802-0005	68802-0005	I	DVI-D Receptacle (F) to P&D Digital Plug (M)	-	**11.99**	**10.99**	**9.99**
538-68802-0006	68802-0006	J	DVI-D Receptacle (F) to DFP Plug (M)	-	**11.99**	**10.99**	**9.99**
538-68802-0007	68802-0007	K	DVI-D Receptacle (F) to DVI-D Plug (M)	-	**11.99**	**10.99**	**9.99**
Cable Assemblies							
538-68802-0009	68802-0009	L	DVI-D (M) to DVI-D (M) SLink	6 ft.	**19.99**	**18.99**	**17.99**
538-68802-0010	68802-0010	L	DVI-D (M) to DVI-D (M) SLink	10 ft.	**22.99**	**21.99**	**20.99**
538-68802-0012	68802-0012	M	DVI-D (M) to DVI-D (M) DLink	6 ft.	**19.99**	**18.99**	**17.99**
538-68802-0013	68802-0013	M	DVI-D (M) to DVI-D (M) DLink	10 ft.	**23.99**	**22.99**	**21.99**
538-68802-0014	68802-0014	M	DVI-D (M) to DVI-D (M) DLink	15 ft.	**29.99**	**28.99**	**27.99**
538-68802-0015	68802-0015	N	DVI-A (M) to VGA (M) - Analog	6 ft.	**19.99**	**18.99**	**17.99**
538-68802-0016	68802-0016	N	DVI-A (M) to VGA (M) - Analog	10 ft.	**19.99**	**18.99**	**17.99**
538-68802-0017	68802-0017	N	DVI-A (M) to VGA (M) - Analog	15 ft.	**29.99**	**28.99**	**27.99**
538-68802-0019	68802-0019	O	DVI-D (M) to DFP (M)	10 ft.	**19.99**	**18.99**	**17.99**
538-68802-0024	68802-0024	P	DVI-A Plug (M) to VGA Receptacle (F) - Dongle	10 in.	**11.99**	**10.99**	**9.99**
538-68802-0026	68802-0026	Q	DVI-A (F) to VGA (M) Adapter	10 in.	**11.99**	**10.99**	**9.99**
538-68804-0001	68804-0001	R	M1-A (M) to VGA (M) +USB-A (M)	6.6 ft.	**23.99**	**22.99**	**21.99**
538-68804-0003	68804-0003	R	M1-A (M) to VGA (M) +USB-A (M)	16.4 ft.	**45.99**	**44.99**	**43.99**
538-68804-0004	68804-0004	S	M1-D (M) to DVI-D (M) +USB-A (M)	6.6 ft.	**23.99**	**22.99**	**21.99**
538-68804-0006	68804-0006	S	M1-D (M) to DVI-D (M) +USB-A (M)	16.4 ft.	**45.99**	**44.99**	**43.99**

DMS-59™ CABLES

DMS-59 features Molex patented LFH™ (Low Force Helix) contacts and connects dual monitors reliably.

Applications:

- Multi-head monitors to graphics cards
- High end graphics cards

For quantities of 50 and up, call for quote.

RoHS Compliant

538-68805-0001	68805-0001	T	DMS-59 (M) to Dual DVI-I (M) Adapter Cable	8 in.	**36.99**	**35.99**	**34.99**
538-68805-0005	68805-0005	U	DMS-59 (M) to Dual DVI-D (M) Single Link	6.6 ft.	**53.99**	**52.99**	**51.99**
538-68805-0006	68805-0006	U	DMS-59 (M) to Dual DVI-D (M) Single Link	10 ft.	**65.99**	**64.99**	**63.99**
538-68805-0009	68805-0009	V	DMS-59 (M) to Dual VGA (F) +S-Video (F)	8 in.	**35.99**	**34.99**	**33.99**
538-68805-0002	68805-0002	V	DMS-59 (M) to Dual VGA (F)	8 in.	**31.99**	**30.99**	**28.99**

MICROCROSS™ DVI ADD2 CARDS

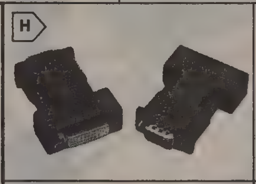
MicroCross DVI ADD2 cards are high-performance, small-size boards that ensure full hardware and software compatibility, supporting the full-range of digital display resolutions from VGA (Video Graphics Array) to UXGA (Ultra Extended Graphics Array). Molex's cards are approved by Intel for 915G chipset motherboards.

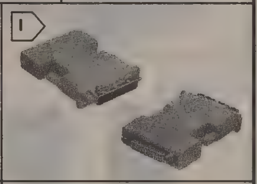
Applications:

- Graphics controllers
- Dual monitor applications
- Projectors
- Kiosk applications
- High-end PCs with vacant PCI Express (PCIe) slot

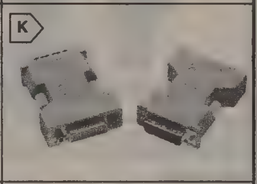
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each		
				1	5	10
538-79530-5004	79530-5004	W	ADD2 16x BTX - Standard Bracket	**38.00**	**37.00**	**36.00**
538-79530-5006	79530-5006	W	ADD2 16x BTX - Low-Profile Bracket	**38.00**	**37.00**	**36.00**

H


I


J

K


L

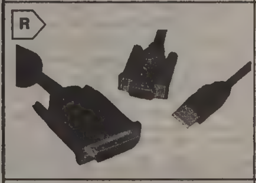
M

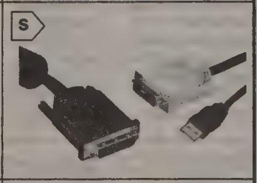
N

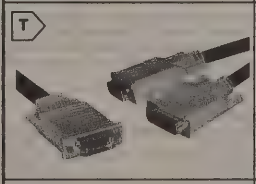
O

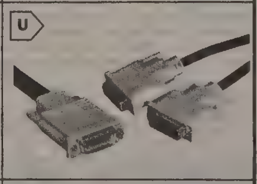
P

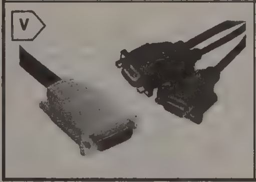
Q

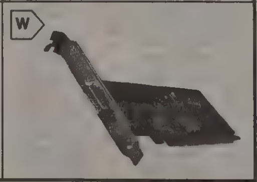
R


S


T


U


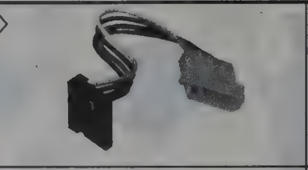
V


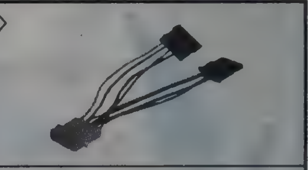
W


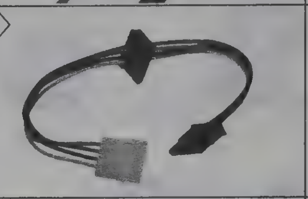
MOLEX Cable Assemblies

A

B

C


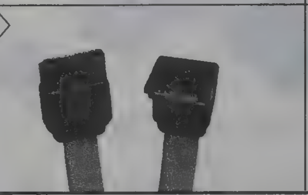
D


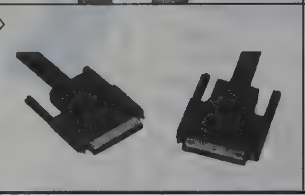
E


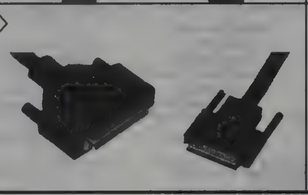
F

G

H

I


J


K


L

MOLEX SERIAL ATTACHED SCSI (SAS) CABLE ASSEMBLIES

Molex SAS cable assemblies support the next generation of storage devices for enterprise storage markets offering increased scalability and flexibility at high-speed data rates. SAS delivers speeds ranging from 1.5 Gbps to 6.0 Gbps. This allows OEMs and integrators to provide systems with the interconnect granularity and bandwidth that eliminates the need to invest in new connectors for generations to come. Also, users do not have to test and qualify two different families of connectors because the mating interface is the same for both internal and external applications, saving additional costs.

Applications:

- HBAs (Host Bus Adapters)
- Servers
- Storage racks
- Switches / routers
- RAIDs (Redundant Array of Independent Disks)
- JBODs (Just a Bunch of Disks)

RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Length (Feet)	Price Each	
					1	5
538-68810-0020	68810-0020	A	SAS 4i to 4(1x) SAS HDD Internal Controller-Based Fanout Cable Assembly	3.3	**83.99**	**82.99**
538-68810-0002	68810-0002	B	SAS 4i to 4(1x) SATA-Style Internal Backplane-Based Fanout Cable Assembly w/o SB (Target)	3.3	**32.99**	**31.99**

MOLEX SERIAL ATA CABLE ASSEMBLIES

Serial ATA cable assemblies offer high-quality data transfer at high speeds. Molex leads the connector industry with the largest growing family of Serial ATA interconnect solutions that support this platform, including latching versions. Serial ATA is compliant with SATA-IO specification for speeds up to 3.0 Gbps.

Applications:

Desktop Computing:
- Hard Disk Drive
- Motherboard
- Power Supply
- Adapters
- Controller Boards
- Data Protection
- Workstation

Emerging Trends:
- Set-Top Box
- Digital Audio
- Automotive - Navigation
- Brown Goods
- Optical Drives
- HDTV Home Theatre
- Games - 3d Video

Enterprise Computing:
- Mid Range Servers
- Network Storage
- RAID Storage
- Backplane
- Internet Service

Mobile Computing:
- Notebook PC
- Sub-Notebook PC
- Media PC
- Multimedia Peripherals

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Length	Price Each		
					1	5	10
538-68809-0001	68809-0001	C	SATA Power Cable 15 Pin Power (F) to 4 Pin (M)	6 inches	**3.99**	**2.48**	**2.44**
538-68809-0002	68809-0002	C	SATA Power Cable 15 Pin Power (F) to 4 Pin (M)	8 inches	**3.99**	**3.06**	**3.01**
538-68809-0003	68809-0003	D	SATA Dual Power Cable 2 x 15 Pin (F) to 4 Pin (M)	1.0 foot	**4.99**	**3.65**	**3.58**
538-68809-0004	68809-0004	E	SATA Power Cable 15 Pin Power (F) to 15 Pin Power (F) + 4 Pin (M) 6in	6 inches	**3.99**	**2.90**	**2.85**
538-68809-0005	68809-0005	F	SATA Signal Cable 7 pin Straight to Straight	1.6 feet	**3.99**	**2.48**	**2.44**
538-68809-0006	68809-0006	F	SATA Signal Cable 7 pin Straight to Straight	3.3 feet	**4.99**	**3.38**	**3.32**
538-68809-0008	68809-0008	G	SATA Signal Cable 7 pin Straight to Straight w/latch	3.3 feet	**5.99**	**3.72**	**3.65**
538-68809-0010	68809-0010	H	SATA Signal Cable 7 pin Straight to R/A w/latch	3.3 feet	**5.99**	**3.72**	**3.65**
538-68809-0012	68809-0012	C	SATA IDT Power Cable 6in (Au Flash)	6 inches	**2.99**	**2.18**	**2.14**
538-68809-0013	68809-0013	I	SATA Signal Cable 7 pin Straight to R/A	1.6 feet	**3.99**	**3.11**	**3.06**
538-68809-0014	68809-0014	I	SATA Signal Cable 7 pin Straight to R/A	3.3 feet	**4.99**	**3.75**	**3.69**

MOLEX SCSI AND VHDCI CABLE ASSEMBLIES

Molex's offering of SCSI (Small Computer Systems Interface) provides a wide range of cable assemblies featuring SCSI-3 connectors for data-transfer applications. The 68 circuit cables are designed for attaching disk drives and other devices internally or externally, supporting the interconnect needs that comply with SCSI-3 U320 specifications.

Molex's Ultra+ VHDCI (Very High Density Cable Interconnect) system is a leader among the next generation of high-density I/O interconnects. These 68 circuit cables are designed for high performance memory transfer applications supporting the latest SCSI style interfaces. They offer increased density compared to existing SCSI connector styles. They are also suited for other high density I/O needs.

Applications:

- Mainframes
- File servers
- Workstations
- RAID (Redundant Arrays of Inexpensive Disks)
- Tape and Disk Drives
- Applications requiring hi-speed memory transfers

RoHS Compliant

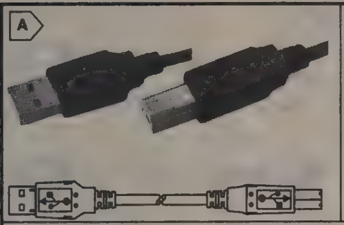
For quantities of 10 and up, call for quote.

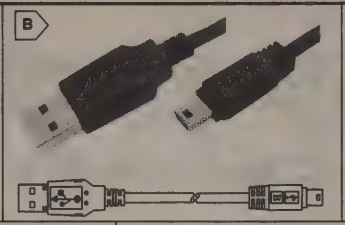
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Length (Feet)	Price Each	
					1	5
538-79562-0001	79562-0001	J	External VHDCI-VHDCI Cable Assembly	6.6	**79.99**	**78.99**
538-79562-0004	79562-0004	K	External VHDCI-SCSI3 Cable Assembly	3.3	**53.99**	**52.99**
538-79562-0005	79562-0005	K	External VHDCI-SCSI3 Cable Assembly	6.6	**68.99**	**67.99**
538-79562-0006	79562-0006	K	External VHDCI-SCSI3 Cable Assembly	10	**86.99**	**85.99**
538-79562-0008	79562-0008	L	External SCSI3-SCSI3 Cable Assembly	3.3	**34.99**	**33.99**
538-79562-0009	79562-0009	L	External SCSI3-SCSI3 Cable Assembly	6.6	**46.99**	**45.99**
538-79562-0010	79562-0010	L	External SCSI3-SCSI3 Cable Assembly	10	**81.99**	**80.99**
538-79562-0011	79562-0011	L	External SCSI3-SCSI3 Cable Assembly	16.4	**89.99**	**88.99**

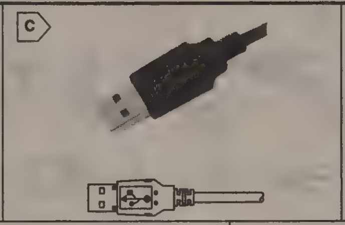
QUALTEK Cable Assemblies

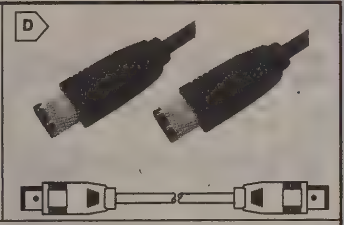
RoHS Compliant This page of product is compliant.

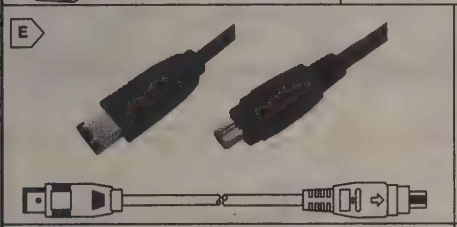
Qualtek ELECTRONICS CORPORATION
(WCT) Wire, Cable and Tube Division

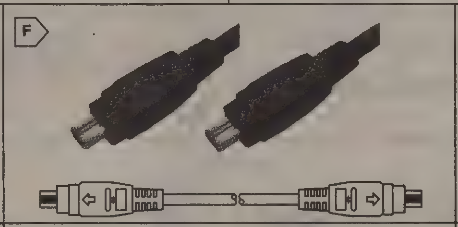
A


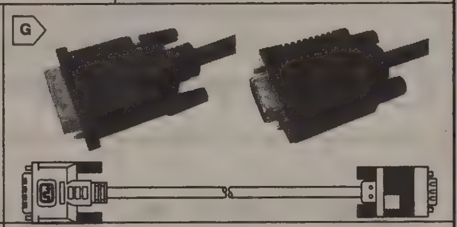
B


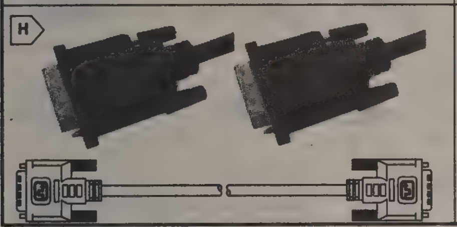
C


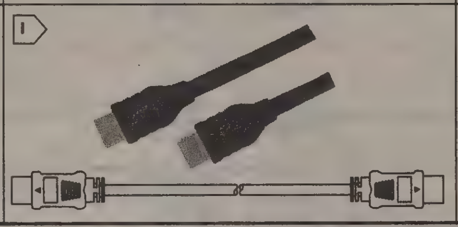
D


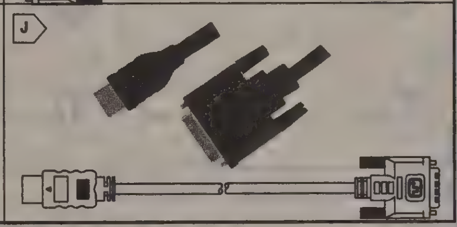
E


F


G


H


I


J


USB CABLE ASSEMBLIES

Universal Serial Bus

Features:
- Transfer rates up to 480Mbps depending on USB version
- Connect an USB peripheral to an USB Hub or USB port on PC/MAC
- Compatible with USB specifications 1.0, 1.1, and 2.0
- Make plug and play connections for such devices as keyboards, mice, modems, printers, and other USB peripherals.
- Black

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Conn. Plating	Wire (AWG)	Length (ft.)	Price Each		
							1	10	25
562-3021001-03	3021001-03	A	A-B	Nickel	28/28	3	2.29	2.23	2.19
562-3021003-03	3021003-03	B	A-mini B	Nickel	28/28	3	2.20	2.14	2.11
562-3021005-03	3021005-03	C	A-Blunt	Nickel	28/28	3	1.79	1.73	1.66
562-3021007-06	3021007-06	A	A-B	Nickel	26/28	6	2.74	2.66	2.62
562-3021009-06	3021009-06	B	A-mini B	Nickel	26/28	6	2.70	2.63	2.58
562-3021011-06	3021011-06	C	A-Blunt	Nickel	26/28	6	2.67	2.47	2.26
562-3021013-10	3021013-10	A	A-B	Nickel	26/28	10	3.53	3.43	3.38
562-3021015-10	3021015-10	B	A-mini B	Nickel	26/28	10	3.43	3.34	3.29
562-3021017-10	3021017-10	C	A-Blunt	Nickel	26/28	10	4.37	4.21	4.06
562-3021019-16	3021019-16	A	A-B	Gold	24/26	16	5.17	5.03	4.95
562-3021021-16	3021021-16	B	A-mini B	Gold	24/26	16	9.13	8.79	8.45
562-3021023-16	3021023-16	C	A-Blunt	Gold	24/26	16	7.97	7.67	7.37
562-3021025-16	3021025-16	A	A-B	Gold	20/26	16	8.53	8.22	7.90
562-3021027-16	3021027-16	B	A-mini B	Gold	20/26	16	9.13	8.79	8.45
562-3021029-16	3021029-16	C	A-Blunt	Gold	20/26	16	7.96	7.67	7.38

IEEE 1394 CABLE ASSEMBLIES

RoHS Compliant

Fire Wire

Features:
- Supports Plug-n-Play operation
- Hot Pluggable
- Black

Applications:
- Video presentation and editing
- Desktop and commercial publishing
- Document imaging
- Home multimedia
- Personal computing

Designed For:
- Digital camcorders
- Scanners and printers
- Storage devices
- Other Firewire devices

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Conn. Plating	Wire (AWG)	Length (ft.)	Price Each		
							1	10	25
562-1821001-03	1821001-03	D	6 pin-6 pin	Nickel	24/30	3	12.60	11.63	10.60
562-1821003-03	1821003-03	E	6 pin-4 pin	Nickel	24/30	3	12.60	11.63	10.60
562-1821005-03	1821005-03	F	4 pin-4 pin	Nickel	24/30	3	12.60	11.63	10.60
562-1821007-06	1821007-06	D	6 pin-6 pin	Nickel	24/30	6	14.54	13.57	12.60
562-1821009-06	1821009-06	E	6 pin-4 pin	Nickel	24/30	6	14.54	13.57	12.60
562-1821011-06	1821011-06	F	4 pin-4 pin	Nickel	24/30	6	16.48	15.51	14.54
562-1821013-10	1821013-10	D	6 pin-6 pin	Nickel	24/30	10	14.85	14.09	13.37
562-1821015-10	1821015-10	E	6 pin-4 pin	Nickel	24/30	10	13.89	13.20	12.50
562-1821017-10	1821017-10	F	4 pin-4 pin	Nickel	24/30	10	13.89	13.20	12.50
562-1821019-15	1821019-15	D	6 pin-6 pin	Gold	22/28	15	21.33	19.39	17.45
562-1821021-15	1821021-15	E	6 pin-4 pin	Gold	22/28	15	21.33	19.39	17.45
562-1821023-15	1821023-15	F	4 pin-4 pin	Gold	22/28	15	37.82	36.85	35.88

DVI CABLE ASSEMBLIES

Digital Visual Interface

Features:
- Tri-shielded with dual Mylar® foil and braid shield which reduces interference
- Supports hot plugging of DVI display devices
- Black
- PC and MAC compatible
- Meets DVI DDWG standard
- Compatible with flat panel displays, digital CRT displays

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Conn. Plating	Wire (AWG)	Length (ft.)	Price Each		
							1	10	25
562-1321001-03	1321001-03	G	12+5-HD15P	Nickel	28	3	12.59	11.65	10.69
562-1321003-03	1321003-03	H	18+1 - 18+1	Nickel	28	3	16.12	14.91	13.71
562-1321005-03	1321005-03	H	18+5 - 18+5	Nickel	28	3	16.15	15.48	14.81
562-1321007-03	1321007-03	H	24+1 - 24+1	Nickel	28	3	13.68	13.11	12.54
562-1321009-03	1321009-03	H	24+5 - 24+5	Nickel	28	3	16.25	15.57	14.89
562-1321011-06	1321011-06	G	12+5-HD15P	Nickel	28	6	19.39	18.42	17.45
562-1321013-06	1321013-06	H	18+1 - 18+1	Nickel	28	6	19.39	18.42	17.45
562-1321015-06	1321015-06	H	18+5 - 18+5	Nickel	28	6	21.48	20.59	19.69
562-1321017-06	1321017-06	H	24+1 - 24+1	Nickel	28	6	19.39	18.42	17.45
562-1321019-06	1321019-06	H	24+5 - 24+5	Nickel	28	6	22.54	21.57	20.64
562-1321021-10	1321021-10	G	12+5-HD15P	Nickel	28	10	19.39	18.42	17.45
562-1321023-10	1321023-10	H	18+1 - 18+1	Nickel	28	10	22.30	21.33	20.36
562-1321025-10	1321025-10	H	18+5 - 18+5	Nickel	28	10	28.49	27.30	26.11
562-1321027-10	1321027-10	H	24+1 - 24+1	Nickel	28	10	23.69	22.70	21.71
562-1321029-10	1321029-10	H	24+5 - 24+5	Nickel	28	10	30.89	29.60	28.31
562-1321031-16	1321031-16	G	12+5-HD15P	Gold	26	16	32.09	30.75	29.41
562-1321033-16	1321033-16	H	18+1 - 18+1	Gold	26	16	32.95	31.58	30.21
562-1321035-16	1321035-16	H	18+5 - 18+5	Gold	26	16	45.36	43.47	41.58
562-1321037-16	1321037-16	H	24+1 - 24+1	Gold	26	16	36.72	35.19	33.66
562-1321039-15	1321039-16	H	24+5 - 24+5	Gold	26	16	51.12	48.99	46.86

HDMI CABLE ASSEMBLIES

High Definition Multimedia Interface

Broadcast quality digital video/audio, and inter component control signals all in one compact. High-performance connection!

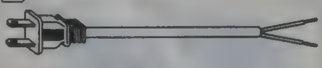
Features:
- Three layers of shielding
- Nitrogen-injected dielectric, meticulous construction
- Black
- DTV Link to DVD player, D-VHS recorder, set-top box and camcorder

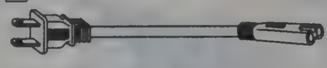
RoHS Compliant

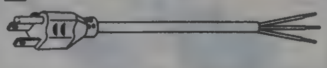
For quantities of 50 and up, call for quote.

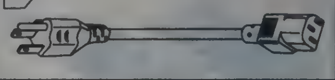
MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Conn. Plating	Wire (AWG)	Length (ft.)	Price Each		
							1	10	25
562-1721001-03	1721001-03	I	Type A-Type A	Nickel	28	3	19.39	18.42	17.45
562-1721003-03	1721003-03	J	Type A-DVI (18+1)	Nickel	28	3	20.36	19.39	17.45
562-1721005-06	1721005-06	I	Type A-Type A	Nickel	28	6	21.33	19.39	18.42
562-1721007-06	1721007-06	J	Type A-DVI (18+1)	Nickel	28	6	22.30	21.33	19.39
562-1721009-10	1721009-10	I	Type A-Type A	Nickel	28	10	24.24	23.27	22.30
562-1721011-10	1721011-10	J	Type A-DVI (18+1)	Nickel	28	10	30.06	29.09	28.12
562-1721013-16	1721013-16	I	Type A-Type A	Nickel	26	16	29.09	28.12	27.15
562-1721015-16	1721015-16	J	Type A-DVI (18+1)	Nickel	26	16	35.74	34.04	32.34
562-1721017-30	1721017-30	I	Type A-Type A	Nickel	26	30	67.10	64.05	61.00
562-1721019-30	1721019-30	J	Type A-DVI (18+1)	Nickel	26	30	67.10	64.05	61.00

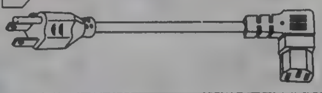
QUALTEK Power Cords

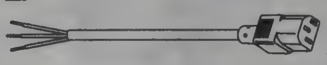
A


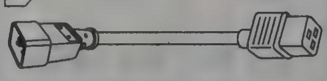
B


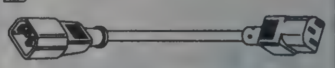
C


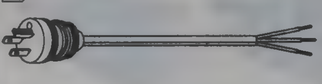
D


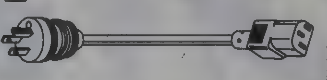
E


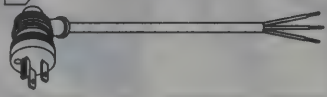
F


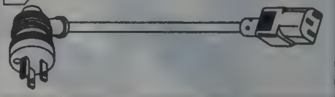
G


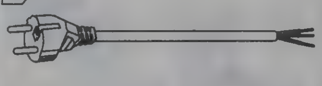
H


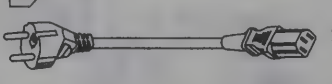
I


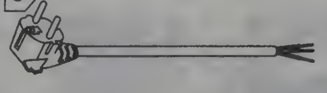
J


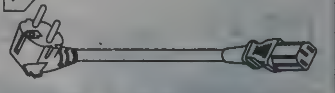
K


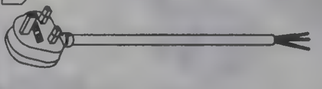
L


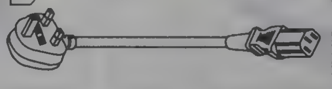
M


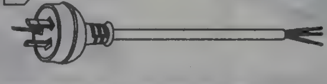
N


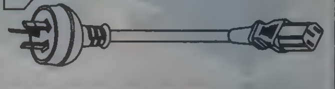
O


P


Q


R


S


T


NORTH AMERICAN POWER CORDS

All cords have CEE Color Code (Brown/Blue/Green/Yellow), with 60°C temperature rating unless marked as below:

2 Conductor Power Cords

† North American Color Code (Black/White/Green)
# Temperature Rating: 105°C VW-1

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Length	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each		
									1	10	25
562-221001-01	221001-01	A	6'0"	SPT-1 †	2 x 18	10	1-15	-	1.50	1.46	1.40
562-221002-01	221002-01	A	9'0"	SPT-1 †	2 x 18	10	1-15	-	1.85	1.76	1.70
562-223020-01	223020-01	B	6'0"	SPT-2 † #	2 x 18	7	1-15	C7	2.05	1.96	1.89
562-223021-01	223021-01	B	8'0"	SPT-2 † #	2 x 18	7	1-15	C7	2.21	2.06	1.96

3 Conductor Power Cords - Unshielded

Features:

- Black: -01
- Gray: -06

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Length	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each		
									1	10	25
562-211012-06	211012-06	C	8'0"	SVT †	3 x 18	10	5-15	-	4.90	4.48	3.37
562-21101806	211018-06	C	8'0"	SJT †	3 x 18	10	5-15	-	3.10	2.94	2.82
562-311010-01	311010-01	C	9'10"	SVT	3 x 18	10	5-15	-	2.99	2.86	2.71
562-311016-01	311016-01	C	9'10"	SJT	3 x 18	10	5-15	-	3.62	3.40	3.25
562-311007-01	311007-01	C	6'7"	SVT	3 x 18	10	5-15	-	2.30	2.20	2.13
562-311027-01	311027-01	C	9'10"	SJT	3 x 14	15	5-15	-	5.00	4.75	4.59
562-212004-01	212004-01	D	7'6"	SVT †	3 x 18	10	5-15	C13	3.45	3.26	3.15
562-212013-01	212013-01	D	7'6"	SJT †	3 x 16	13	5-15	C13	4.02	3.86	3.64
562-312003-01	312003-01	D	7'6"	SVT	3 x 18	10	5-15	C13	2.95	2.81	2.73
562-312008-01	312008-01	D	7'6"	SJT	3 x 18	10	5-15	C13	5.18	4.93	4.60
562-312010-01	312010-01	D	9'10"	SJT	3 x 18	10	5-15	C13	5.01	4.85	4.62
562-312014-01	312014-01	D	9'10"	SJT	3 x 16	13	5-15	C13	5.13	4.81	4.49
562-312019-01	312019-01	D	9'10"	SJT	3 x 14	15	5-15	C13	7.72	7.51	7.05
562-312021-01	312021-01	D	7'6"	SVT #	3 x 18	10	5-15	C13	3.05	2.89	2.77
562-313001-01	313001-01	E	7'6"	SVT	3 x 18	10	5-15	C13	4.75	4.48	4.20
562-313003-01	313003-01	E	6'7"	SVT	3 x 18	10	5-15	C13	3.15	2.95	2.80
562-313011-01	313011-01	E	7'6"	SJT	3 x 16	13	5-15	C13	6.05	5.80	5.55
562-315008-01	315008-01	F	9'10"	SJT	3 x 18	10	-	C13	2.85	2.67	2.53
562-331010-01	331010-01	G	9'10"	SJT	3 x 14	15	C20	C19	10.83	10.37	9.97
562-318002-01	318002-01	H	3'3"	SVT	3 x 18	10	C14	C13	2.65	2.47	2.38
562-318005-01	318005-01	H	3'3"	SJT	3 x 18	10	C14	C13	3.64	3.49	3.26
562-318007-01	318007-01	H	3'3"	SJT	3 x 16	13	C14	C13	2.90	2.80	2.77

Hospital Grade - Unshielded

Features:

- With North American Color Code (Black/White/Green)
- Gray: -06

*Hospital Grade Clear Plug
**Hospital Grade Gray Plug

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Length	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each		
									1	10	25
562-232002-06	232002-06	I	8'0"	SJT	3 x 18	10	5-15	-	4.10	3.97	3.80
562-232003-06	232003-06	I	10'0"	SJT	3 x 18	10	5-15	-	4.15	3.98	3.81
562-232010-06	232010-06	I	8'0"	SJT	3 x 18	10	5-15	-	6.15	5.90	5.65
562-232011-06	232011-06	I	10'0"	SJT	3 x 18	10	5-15	-	7.45	7.15	6.70
562-233002-06	233002-06	J	8'0"	SJT	3 x 18	10	5-15	C13	5.07	4.90	4.61
562-233003-06	233003-06	J	10'0"	SJT	3 x 18	10	5-15	C13	7.03	6.42	6.03
562-233008-06	233008-06	J	8'0"	SJT	3 x 18	10	5-15	C13	5.07	4.90	4.61
562-233009-06	233009-06	J	10'0"	SJT	3 x 18	10	5-15	C13	5.18	5.01	4.78
562-242003-06	242003-06	K	10'0"	SJT	3 x 18	10	5-15	-	9.34	9.05	8.42
562-243003-06	243003-06	L	10'0"	SJT	3 x 18	10	5-15	C13	11.99	11.35	10.91

Universal Jumper Cords

- CEE Color Code

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	"L"	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each		
									1	10	25
562-319002	319002-T01	H	3'3"	SJT/H05VV-F	3 x 18/3 x 1.0mm²	10	C14	C13	3.18	3.03	2.90
562-319004	319004-T01	H	8'2"	SJT/H05VV-F	3 x 18/3 x 1.0mm²	10	C14	C13	4.82	4.67	4.44

INTERNATIONAL POWER CORDS

Continental Europe

- CEE Color Code

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Length	Cordage	No. of Cond. AWG	Amps 125V	Nema Plug	Conn.	Price Each		
									1	10	25
562-363012	363012-D01	M	2.5 M	H05VV-F	3 x 1.00	10.0	1364	-	3.98	3.75	3.53
562-364002	364002-D01	N	2.5 M	H05VV-F	3 x 1.00	10.0	1364	2348	4.40	4.15	3.90
562-366042	366042-D01	O	2.5 M	H05VV-F	3 x 1.00	10.0	1610	-	3.71	3.55	3.36
562-367003	367003-D01	P	2.5 M	H05VV-F	3 x 1.00	10.0	1610	2348	4.20	4.00	3.77

United Kingdom

- CEE Color Code

562-369003	369003-E01	Q	2.5 M	H05VV-F	3 x 1.00	10.0	1620	-	9.23	8.89	8.31
562-370001	370001-E01	R	2.5 M	H05VV-F	3 x 1.00	10.0	1620	3498	9.72	9.35	8.84

Australian

- CEE Color Code

562-373003-A01	373003-A01	S	2.5 M	SAA	3 x 1.00	10.0	P003	-	9.95	9.50	9.06
562-374003-A01	374003-A01	T	2.5 M	SAA	3 x 1.00	10.0	P003	005	10.54	10.00	9.49

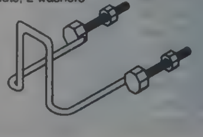
SAFETY RETAINER CLIPS

Helps prevent accidental removal of detachable power cordsets from IEC 320-C14 Power Inlets and IEC 320-C13 Outlets.

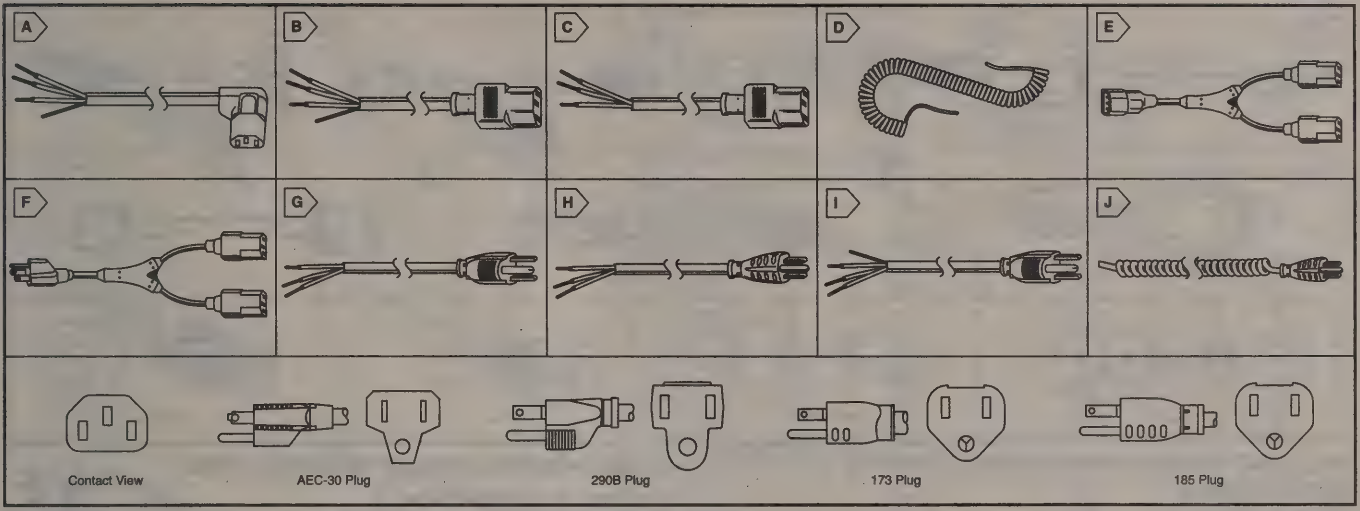
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Description	Price Each		
			1	10	25
562-730B-01	730B-00/00	Used on power cord Fig. D, F, and H in conjunction with a screw mount IEC power inlet	2.60	2.45	2.21
562-730B-05	730B-00/05	Used on power cord Fig. D, F, and H in conjunction with a screw mount IEC power inlet	2.60	2.45	2.21
562-731B-00	731B-00/00	Used on power cord Fig. J or L in conjunction with a screw mount IEC power inlet	2.95	2.80	2.57
562-732B-00	732B-00/00	Used on power cord Fig. H, N, P, R, & T in conjunction with a screw mount IEC power inlet	3.45	3.20	2.95

Helps prevent accidental removal of detachable power cord sets from IEC power inlets and outlets.
Kit contains: 1 stainless steel clip; 2 threaded posts; 2 threaded nuts; 2 washers



VOLEX 3-Conductor Power Cords



VOLEX 3-CONDUCTOR EQUIPMENT CORDS

- Outer Jacket Stripped 2" - 51mm
- Conductors Stripped and Twisted 5/8" - 16mm
- International Color Coding
- Temperature: 60°C
- Drain Wire: SVT- 22 AWG
  SJT - 20 AWG

Sheilded, Black Jacket Color - Right Angle

MOUSER STOCK NO.	Volex Part No.	Fig.	Length	AWG (Stranded)	Nominal O.D. (in.)	Rating	Cord	Price Each
686-17751	17751	A	6' 7"	18 (41x34)	.270	1250 W/10 A	SVT	10.69

Unsheilded, PVC Black Jacket Color - Right Angle

MOUSER STOCK NO.	Volex Part No.	Fig.	Length	AWG (Stranded)	Nominal O.D. (in.)	Rating	Recep.	Cord	Price Each
686-17536	17536	A	6' 7"	18 (41x34)	.315	1250 W/10 A	PH910	SJT	6.34
686-17537	17537	A	9' 10"	18 (41x34)	.315	1250 W/10 A	PH910	SJT	8.21
686-17539	17539	A	9' 10"	16 (26x30)	.340	1625 W/13 A	PH910	SJT	9.02

Foil Shielded, PVC Jacketed Black Jacket Color

686-17749	17749	B	6' 7"	18 (41x34)	.270	1250 W/10 A	386A	SVT	10.09
686-17750	17750	B	9' 10"	18 (41x34)	.270	1250 W/10 A	386A	SVT	12.96
686-17619	17619	B	9' 10"	18 (41x34)	.340	1250 W/10 A	386A	SJT	14.70
686-17620	17620	B	6' 7"	16 (65x34)	.353	1625 W/13 A	386E	SJT	12.36
686-17621	17621	B	9' 10"	16 (65x34)	.353	1625 W/13 A	386E	SJT	17.53

Unshielded, PVC Jacketed, Black Jacket Color

686-17254	17254	C	7' 6"	18 (41x34)	.246	1250 W/10 A	386	SVT	5.69
686-17518	17518	C	6' 7"	18 (41x34)	.315	1250 W/10 A	386A	SJT	6.15
686-17519	17519	C	9' 10"	18 (41x34)	.315	1250 W/10 A	386A	SJT	7.64
686-17520	17520	C	6' 7"	16 (26x30)	.340	1625 W/13 A	386E	SJT	6.85
686-17521	17521	C	9' 10"	16 (26x30)	.340	1625 W/13 A	386E	SJT	8.97

VOLEX RETRACTILE TEST PROD WIRE

- Tinned Copper, Rubber Insulated
- Rating 5000V VAC/RMS
- For intermittent duty only
- Red and Black

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranded)	No. of Pairs	Retracted Length	Extend. Length	Nominal O.D. (in.)	Price Each
686-8879	8879	D	20 (42x36)	1 Unshielded	8"	5'	.173	18.20

VOLEX Y-CORD TWIN END CORD SETS

- Color Coding North America
- Jack Color: Black
- Temperature Rating: 60°C
- Length of individual leg: 2 Ft.

MOUSER STOCK NO.	Volex Part No.	Fig.	Overall Length	AWG (Stranded)	Nominal O.D. (in.)	Rating	Plug	Price Each	
								1	25
686-17268A	17268A	E	6'	18 (41x34)	.315	125 V, 10 A	---	14.35	12.93
686-17269A	17269A	E	10'	18 (41x34)	.315	125 V, 10 A	---	15.88	14.31
686-17270A	17270A	E	6'	16 (65x34)	.340	250 V, 13 A	---	16.32	14.73
686-17271A	17271A	E	10'	16 (65x34)	.340	250 V, 13 A	---	17.88	16.15
686-17272A	17272A	F	6'	18 (41x34)	.315	125 V, 10 A	AEC-30	13.17	11.83
686-17273A	17273A	F	10'	18 (41x34)	.315	125 V, 10 A	AEC-30	18.07	16.32
686-17274A	17274A	F	6'	16 (65x34)	.340	250 V, 13 A	AEC-30	14.08	12.73
686-17275A	17275A	F	10'	16 (65x34)	.340	250 V, 13 A	AEC-30	15.94	14.34

VOLEX 3-CONDUCTOR PLASTIC NEMA 5-15P ORIGINAL EQUIPMENT CORDS

- Outer Jacket Stripped 2" - 51mm
- Conductors Stripped and Twisted 5/8" - 16mm
- Jacket Color: Black
- Temperature Rating: 60°C
- International Color Coding
- Drain Wire: SVT- 22 AWG, SJT - 20 AWG

Unshielded

* Temperature Rating: 105° C

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranded)	Nominal O.D. (in.)	Length	Rating	Plug	Cord	Price Each
PVC Jacketed									
686-17512	17512	G	18 (41x34)	.315	6' 7"	1250 W/10 A	290B	SJT	4.45
686-17513	17513	G	18 (41x34)	.315	9' 10"	1250 W/10 A	290B	SJT	6.20
686-17514	17514	G	16 (65x34)	.340	6' 7"	1625 W/13 A	290B	SJT	6.26
686-17515	17515	G	16 (65x34)	.340	9' 10"	1625 W/13 A	290B	SJT	10.67
686-17516	17516	G	14 (41x30)	.380	6' 7"	1875 W/15 A	173	SJT	7.97
686-17517	17517	G	14 (41x30)	.380	9' 10"	1875 W/15 A	173	SJT	10.22
686-17534	17534	G	18 (41x34)	.246	6' 7"	1250 W/10 A	290B	SVT	4.14
686-17535	17535	G	18 (41x34)	.246	9' 10"	1250 W/10 A	290B	SVT	5.10
686-17747	17747 *	G	18 (41x34)	.246	6' 7"	1250 W/10 A	290B	SVT	4.51
Gray PVC Jacketed									
686-17237	17237	G	18 (41x34)	.246	6'	1250 W/10 A	290B	SVT	3.76
686-17239	17239	G	18 (41x34)	.246	8'	1250 W/10 A	290B	SVT	4.82
686-17405	17405	G	18 (16x30)	.315	6'	1250 W/10 A	290B	SJT	4.13
686-17407	17407	G	18 (16x30)	.315	8'	1250 W/10 A	290B	SJT	5.04
686-17276	17276	G	16 (26x30)	.340	20'	1625 W/13 A	290B	SJT	14.30
Black Rubber or Neoprene Jacketed									
686-17238	17238	G	18 (41x34)	.246	8'	1250 W/10 A	290B	SV	7.60
686-17406	17406	H	18 (16x30)	.315	6'	1250 W/10 A	290B	SJ	7.17
686-17408	17408	H	18 (16x30)	.315	8'	1250 W/10 A	290B	SJ	8.09
686-17409	17409	H	18 (16x30)	.315	8'	1250 W/10 A	290B	SJO	8.39
686-17412	17412	H	18 (16x30)	.315	12'	1250 W/10 A	290B	SJ	10.86
686-17419	17419	H	16 (26x30)	.340	9'	1625 W/13 A	185	SJ	9.53
686-17422	17422	H	16 (26x30)	.340	12'	1625 W/13 A	185	SJ	13.61
686-17425	17425	H	16 (26x30)	.340	15'	1625 W/13 A	290B	SJ	18.62
686-17629	17629	H	14 (41x30)	.380	9'	1875 W/15 A	173	SJ	17.34
686-17635	17635	H	14 (41x30)	.380	15'	1875 W/15 A	173	SJ	29.87

Shielded

686-17613	17613	I	18 (41x34)	.340	9' 10"	1250 W/10 A	290B	SJT	12.27
686-17614	17614	I	16 (65x34)	.365	6' 7"	1625 W/13 A	185	SJT	10.79
686-17615	17615	I	16 (65x34)	.365	9' 10"	1625 W/13 A	185	SJT	15.00
686-17616	17616	I	14 (41x30)	.402	6' 7"	1875 W/15 A	173	SJT	12.47
686-17617	17617	I	14 (41x30)	.402	9' 10"	1875 W/15 A	173	SJT	17.58
686-17720	17720	I	18 (41x34)	.270	6' 7"	1250 W/10 A	290B	SVT	8.82
686-17740	17740 *	I	18 (41x34)	.270	6' 7"	1250 W/10 A	290B	SVT	8.40
686-17741	17741	I	18 (41x34)	.270	9' 10"	1250 W/10 A	290B	SVT	10.63

Foil and Braid Shielded

686-17650	17650	I	18 (41x34)	.307	6' 7"	1250 W/10 A	290B	SVT	14.00

VOLEX RETRACTILE CORD

- Rubber Insulated, Neoprene Jacketed

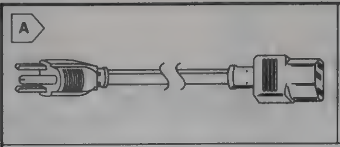
686-17447	17447	J	18 (41x34)	1.33	1 to 6'	1250 W/10 A	290B	SJO	20.93
686-17448	17448	J	16 (65x34)	1.37	1 to 6'	1625 W/13 A	173	SJO	21.82
686-17449	17449	J	16 (65x34)	1.37	2 to 12'	1625 W/13 A	173	SJO	26.61

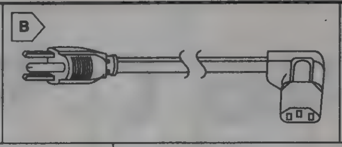
VOLEX REPLACEMENT CORD FOR LAPTOP COMPUTERS

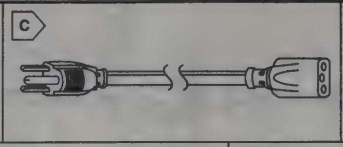
- Designed to work with Dell, Compaq,
  and IBM Laptop Computers. 18 AWG, 3 Conductor

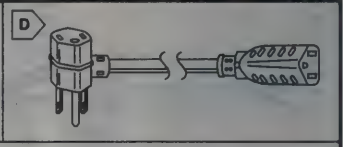
MOUSER STOCK NO.	Volex Part No.	Nominal O.D. (in.)	Length	Rating	Price Each	
					1	25
686-17036	17036	.144 x .280	6'	125 V/2.5 A	3.78	3.42
686-17037	17037	.144 x .280	10'	125 V/2.5 A	5.34	4.90

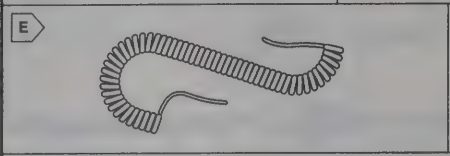
VOLEX Power Cords and Retractile Cords

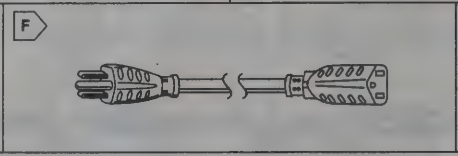


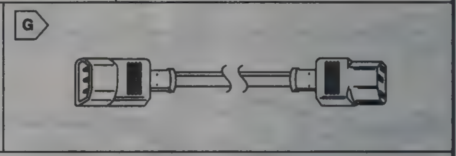


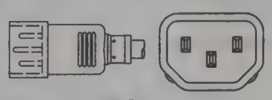


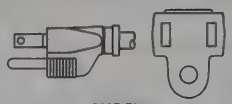


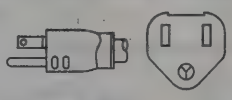


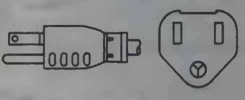





388 Plug


290B Plug


173 Plug


185 Plug

VOLEX 3-CONDUCTOR DETACHABLE POWER SUPPLY CORDS

- Temperature: 60°C, 125V
- International Color Coding

◆ Rated 105°C

Foil Shielded, Black PVC Jacketed

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranded)	Length	Rating	Plug	Conn.	Cord	Price Each
686-17600	17600	A	18 (41x34)	6' 7"	1250 W/10 A	185	386A	SJT	13.06
686-17601	17601	A	18 (41x34)	9' 10"	1250 W/10 A	185	386A	SJT	9.28
686-17602	17602	A	16 (65x34)	6' 7"	1625 W/13 A	290B	386E	SJT	14.58
686-17603	17603	A	16 (65x34)	9' 10"	1625 W/13 A	290B	386E	SJT	17.21
686-17604	17604	A	14 (41x30)	6' 7"	1875 W/15 A	173	386E	SJT	16.63
686-17605	17605	A	14 (41x30)	9' 10"	1875 W/15 A	173	386E	SJT	20.18
◆686-17725	17725	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SVT	7.22
686-17742	17742	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SVT	7.25
686-17743	17743	A	18 (41x34)	9' 10"	1250 W/10 A	290B	386A	SVT	13.65

Foil and Braid Shielded, Black PVC Jacketed

686-17660	17660	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SVT	17.88
686-17661	17661	A	18 (41x34)	9' 10"	1250 W/10 A	290B	386A	SVT	21.81

Foil Shielded, Black PVC Jacketed, Right Angle

686-17606	17606	B	18 (41x34)	6' 7"	1250 W/10 A	290B	PH910	SJT	12.76
686-17607	17607	B	18 (41x34)	9' 10"	1250 W/10 A	290B	PH910	SJT	15.34
686-17608	17608	B	16 (65x34)	6' 7"	1625 W/13 A	185	PH910	SJT	14.70
686-17609	17609	B	16 (65x34)	9' 10"	1625 W/13 A	185	PH910	SJT	17.74
686-17745	17745	B	18 (41x34)	6' 7"	1250 W/10 A	290B	PH910	SVT	12.23
686-17746	17746	B	18 (41x34)	9' 10"	1250 W/10 A	290B	PH910	SVT	14.68

SVT Cord Unshielded, Gray PVC Jacketed

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranded)	Nom. O.D.	Length	Rating	Plug	Conn.	Price Each
† 686-17952	17952	C	18 (41x34)	.246"	8'	875 W/7 A	290B	PH-163	9.96
686-17280	17280	C	18 (41x34)	.246"	7' 1/2'	875 W/7 A	290B	PH-163	9.57

† This cord is for replacement only and is not intended for new original equipment.

Add-A-Line - SJT Cord Unshielded, Black PVC Jacketed

686-17462	17462	D	16 (26x30)	.340"	8'	1625 W/13 A	AEC-50	AEC-210	12.81
686-17463	17463	D	16 (26x30)	.340"	15'	1625 W/13 A	AEC-50	AEC-210	18.41

Add-A-Line - Foil Shielded, Black PVC Jacketed

686-17666	17666	D	18 (41x34)	.253"	6' 7"	1250 W/10 A	745	386A	15.30

VOLEX KEYBOARD RETRACTILE CABLE

- Tinned Stranded Copper Conductors
- 26 AWG, 7 Conductor
- 9665 UL Recognized 2464 300V 80°C
- 9693 UL Recognized 20197 30V 60°C
- Conductor Color Code: Black, White,Red, Green, Brown, Blue & Orange
- 100% overall Aluminum-Polyester Shield plus 90% coverage Tinned Copper Shield 8" straight portion on one end and 24" straight portion on the other end

MOUSER STOCK NO.	Volex Part No.	Fig.	Retracted Length	Extend. Length	Nom. O.D.	Jacket Type	Price Each	
							1	10
686-9665	9665	E	14.5"	6'	.250"	Black, PVC	24.13	21.86
686-9693	9693	E	14.5"	6'	.200"	Black, Polyurethane	23.43	21.30

VOLEX 3-CONDUCTOR DETACHABLE CORD

Unshielded, Black PVC Jacketed

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranded)	Length	Rating	Plug	Conn.	Cord	Price Each
686-17249	17249	A	18 (41x34)	6'	1250 W/10 A	290B	386	SVT	3.75
686-17250	17250	A	18 (41x34)	7' 6"	1250 W/10 A	290B	386	SVT	4.74
686-17251	17251	A	18 (41x34)	7' 6"	1250 W/10 A	290B	386	SVT	4.74
686-17500	17500	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SJT	5.10
686-17501	17501	A	18 (41x34)	9' 10"	1250 W/10 A	290B	386A	SJT	6.61
686-17000A	17000A	A	18 (41x34)	3'	1250 W/10 A	290B	386	SVT	4.95
686-17002A	17002A	A	18 (41x34)	1' 6"	1250 W/10 A	290B	386A	SVT	4.17
686-17001A	17001A	A	16 (26x30)	3'	1625 W/13 A	290B	386E	SJT	6.24
686-17502	17502	A	16 (26x30)	6' 7"	1625 W/13 A	290B	386E	SJT	8.87
686-17255	17255	A	16 (26x30)	7' 6"	1625 W/13 A	290B	386E	SJT	8.86
686-17503	17503	A	16 (26x30)	9' 10"	1625 W/13 A	290B	386E	SJT	10.22
686-17504	17504	A	14 (41x30)	6' 7"	1875 W/15 A	173	386E	SJT	7.80
◆686-17757	17757	A	18 (41x34)	7' 6"	1250 W/10 A	290B	386A	SVT	5.43
◆686-17758	17758	A	18 (41x34)	6' 7"	1250 W/10 A	290B	386A	SJT	8.36

Unshielded, Black PVC Jacketed, Right Angle

686-17506	17506	B	18 (41x34)	6' 7"	1250 W/10 A	290B	910	SJT	6.88
686-17507	17507	B	18 (41x34)	9' 10"	1250 W/10 A	290B	910	SJT	9.68
686-17508	17508	B	16 (26x30)	6' 7"	1625 W/13 A	290B	910	SJT	8.79
686-17509	17509	B	16 (26x30)	9' 10"	1625 W/13 A	290B	910	SJT	10.91

VOLEX SJ CORD UNSHIELDED, BLACK PVC JACKETED

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranded)	Nom. O.D.	Length	Rating	Plug	Conn.	Price Each
686-17461	17461	F	16 (26x30)	.340"	10'	1625 W/13 A	290B	108	14.71

VOLEX JUMPER CORDS

- Rated 60°C, 125V

MOUSER STOCK NO.	Volex Part No.	Fig.	AWG (Stranded)	Length	Rating	Plug	Conn.	Cord	Price Each
Foil Shielded									
686-17625	17625	G	16 (65x34)	3' 3"	1625 W/13 A	388B	386E	SJT	10.98
686-17753	17753	G	18 (41x34)	3' 3"	1250 W/10 A	388A	386A	SVT	9.52
Unshielded									
686-17524	17524	G	18 (41x34)	3' 3"	1250 W/10 A	388A	386A	SJT	6.03
686-17525	17525	G	16 (26x30)	3' 3"	1625 W/13 A	388B	386E	SJT	7.07

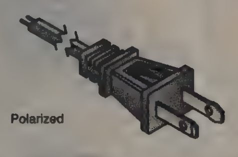
VOLEX RETRACTILE CORDS

- Bare Copper, Rubber Insulated, cabled with fillers
- Paper tape wrap
- Black Neoprene Jacket
- 12" straight portion on each end (except 6" straight portion on 8601, 8603, 8415 and 8409)
- Jacket removed 11/2" each end
- Voltage Rating: 300V
- UL 62 flex cord and fixture wire
- UL Listed and CSA Certified
- Conductor Color Code: White, Black, Green and Red

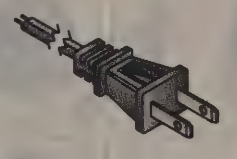
MOUSER STOCK NO.	Volex Part No.	Fig.	Retracted Length	Extend. Length	No. of Conductors	AWG (Stranded)	Price Each	
							1	10
686-8601	8601	E	12"	6'	2	18 (42x34)	15.79	14.19
686-9478	9478	E	24"	12'	3	18 (42x34)	31.55	28.73
686-9479	9479	E	48"	25'	3	18 (42x34)	53.76	48.81
686-8415	8415	E	11"	6'	4	23 (21x36)	25.52	23.17
686-9482	9482	E	24"	12'	4	18 (42x34)	41.06	37.34
686-9483	9483	E	48"	25'	4	18 (42x34)	70.53	64.19
686-8603	8603	E	12"	6'	3	16 (65x34)	22.49	20.45
686-9485	9485	E	48"	25'	3	16 (65x34)	61.31	55.88

KOBICONN AC Power Cords

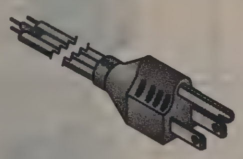
A



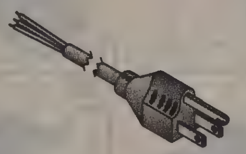
B



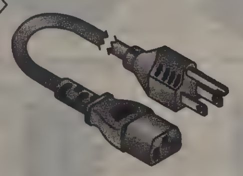
C



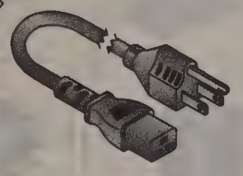
D



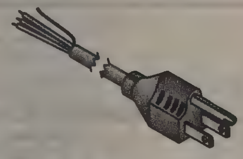
E



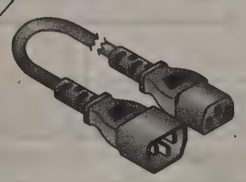
F



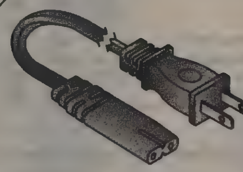
G



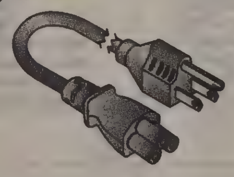
H



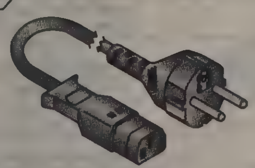
I



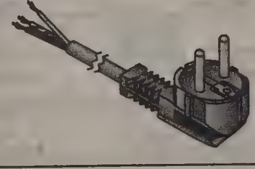
J



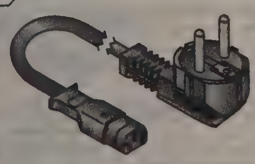
K



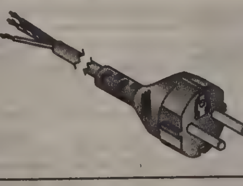
L



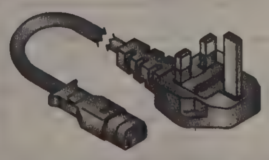
M



N



O



POWER SUPPLY CORDS

Both two and three conductors types are offered in 6', 7 1/2', 8', and 10' lengths with molded, low profile, crush resistant, NEMA 1-15P or 5-15P plugs. 18 AWG types are rated 125V, 1250 watts. 16 AWG type is rated 125V, 1625 watts. 14 AWG type is rated 125V, 1875 watts.

Specifications:
- Temperature: 60°C
- Rated:

AWG	18	16	14
Watts	1250	1625	1875

Features:
- Economical and efficient
- Mechanical performance meets OEM requirements and blade wear requirements
- Excellent resistance to abrasion

RoHS Compliant

Two and Three Conductor Types

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Type	Rating @ 125V (A)	Length	Color	Price Each			
							1	10	100	500
Two Conductor Types, NEMA 1-15P Plug										
173-11112-E	A	18/2	SPT-1	10	6'	Black	1.38	1.00	.94	.89
173-11113-E	A	18/2	SPT-1	10	10'	Black	1.78	1.37	1.24	1.13
173-11115-E	A	18/2	SPT-1	10	6'	White	1.38	1.00	.94	.89
173-11116-E	A	18/2	SPT-1	10	10'	White	1.68	1.30	1.17	1.07
173-11102-E	B	18/2	SPT-1	10	6'	Black	1.38	1.00	.94	.89
173-11121-E	B	18/2	SPT-1	10	10'	Black	1.52	1.17	1.06	.97
173-11125-E	B	18/2	SPT-1	10	15'	Black	2.25	1.87	1.70	1.70
173-11123-E	B	18/2	SPT-1	10	6'	Brown	1.26	.92	.87	.82
173-11124-E	B	18/2	SPT-1	10	10'	Brown	1.52	1.17	1.06	.97
173-31102-E	B	18/2	SPT-2	10	6'	Black	1.37	1.30	1.23	1.16
173-31103-E	B	18/2	SPT-2	10	10'	Black	2.08	1.73	1.57	1.43
Three Conductor Types, NEMA 5-15P Plug										
173-33121-E	C	18/3	SPT-2	10	6'	Gray	2.33	1.94	1.76	1.61
173-33122-E	C	18/3	SPT-2	10	10'	Gray	3.35	2.78	2.53	2.30
173-33101-E	C	18/3	SPT-2	10	6'	Black	2.69	2.24	2.03	1.86
173-33102-E	C	18/3	SPT-2	10	10'	Black	3.35	2.78	2.53	2.30
173-53101-E	D	18/3	SVT	10	6'	Black	2.98	2.42	2.20	2.01
173-53103-E	D	18/3	SVT	10	10'	Black	3.69	3.07	2.80	2.54
173-53102-E	D	18/3	SVT	10	8'	Black	3.31	2.76	2.37	2.16
173-53121-E	D	18/3	SVT	10	6'	Gray	2.83	2.30	2.09	1.90
173-53122-E	D	18/3	SVT	10	10'	Gray	3.59	2.99	2.72	2.48
173-73101-E	D	18/3	SJT	10	6'	Black	3.12	2.51	2.23	1.88
173-73103-E	D	18/3	SJT	10	10'	Black	4.12	3.38	3.14	2.88
173-73102-E	D	18/3	SJT	10	8'	Black	3.85	3.09	2.74	2.51
173-75102-E	D	16/3	SJT	13	8'	Black	4.51	3.76	3.41	2.88
173-75103-E	D	16/3	SJT	13	10'	Black	4.66	3.88	3.49	3.16
173-78101-E	D	14/3	SJT	15	6'	Black	5.24	4.34	3.96	3.56
173-78102-E	D	14/3	SJT	15	10'	Black	7.34	6.68	6.06	5.52
Three Conductor Ie AC Cord Set, NEMA 5-15P Plug										
173-63101-E	E	18/3	SVT	10	7'6"	Black	3.94	3.20	2.73	2.49
173-63102-E	E	18/3	SVT	10	8'	Black	3.64	3.11	2.79	2.56
173-63103-E	E	18/3	SVT	10	10'	Black	5.16	3.29	2.70	2.34
173-63121-E	E	18/3	SVT	10	7'6"	Gray	3.82	3.10	2.65	2.41
173-63122-E	E	18/3	SVT	10	10'	Gray	5.04	3.22	2.64	2.40
173-1218-E	F	14/3	SJT	15	6'6"	Black	7.23	6.58	5.97	5.43

SHIELDED, THREE CONDUCTOR POWER CORDS

Control the error-generating effects of ambient electrical interference.

- Low profile molded plug
- Color: black
- NEMA 5-15P Plug
- Drain wire terminated to ground pin of plug
- High stranding for extended flexibility
- 100% foil shield

† Designed for use with the Cincon TR45 and TR70 Series table top power supplies.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	AWG Strand	UL Type	Voltage Rating	Length	Price Each			
						1	10	100	500
173-53100-E	G	18/3 41/34	SVT	300V	6' 7"	4.32	3.59	3.27	2.93
†173-53110-E	G	18/3 41/34	SVT	300V	10'	5.94	4.92	4.50	4.10
†173-0602-E	E	18/3 41/34	SVT	125VAC/10A	6' 7"	4.52	3.77	3.43	3.12
173-0621-E	E	18/3 41/34	SVT	125VAC/10A	10'	5.19	4.33	3.93	3.57
173-0603-E	H	18/3 41/34	SVT	125VAC/10A	3' 3"	3.70	3.08	2.80	2.51

LAPTOP / POWER SUPPLY CORDS

Can be used with many laptop power supplies.

∗Designed for use with the Phihong PSA-15W Series and Cincon TR36 table top power supplies.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Type	Length	Color	Price Each			
						1	10	100	500
∗173-21101-E	I	.75mm 2 Conductor	VFF	6'	Black	4.21	3.69	3.17	2.88
∗173-21112-E	I	.75mm 2 Conductor	VFF	10'	Black	4.79	4.03	3.59	3.32
173-21103-E	J	3 conductor 18 AWG	SVT	6'	Black	3.37	2.81	2.55	2.32
173-21113-E	J	3 conductor 18 AWG	SVT	10'	Black	4.26	3.54	3.23	2.93
∗173-21102-E	I	2 conductor 18 AWG	SPT-2	6'	Black	2.94	2.41	2.23	2.03
∗173-21114-E	I	2 conductor 18 AWG	SPT-2	10'	Black	3.47	2.89	2.63	2.39

INTERNATIONAL POWER CORDS

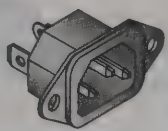
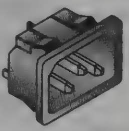
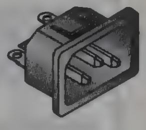
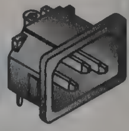
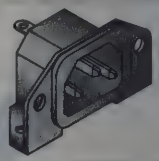
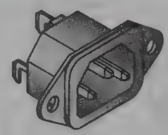
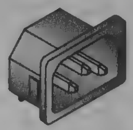
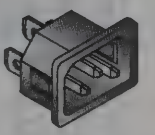
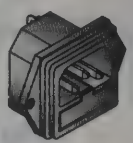
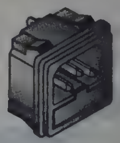
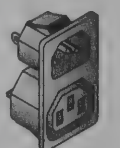
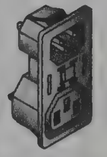
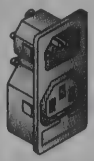
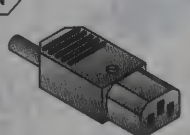
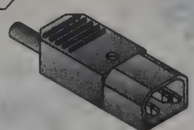
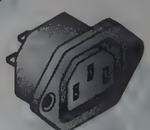
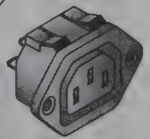
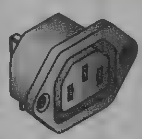
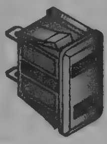
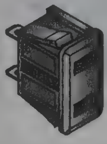
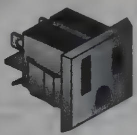
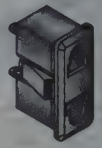
RoHS Compliant

- Conductors: 3 x 1.00 (mm2)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cord Type	Rating @ 250V (A)	Length (Meters)	Color	Price Each			
						1	10	100	500
Continental Europe									
173-4002-E	K	HO5VV-F	10	2.5	Black	4.81	4.38	3.98	3.62
173-6003-E	L	HO5VV-F	10	2.5	Black	3.99	3.61	3.29	2.99
173-7001-E	M	HO5VV-F	10	2.5	Black	4.78	4.35	3.96	3.63
173-6004-E	N	HO5VV-F	10	2.5	Black	3.99	3.61	3.29	2.99
United Kingdom									
173-0002-E	O	HO5VV-F	10	2.5	Black	7.42	6.15	4.25	3.91

KOBICONN AC Inlets and Outlets

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V


Common Features:
- Fuse Not Included
- RoHS Compliant

RoHS Compliant

IEC 60320 C14 INLETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each			
							1	10	100	500
161-R30148-E	R-301(48)	A	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Black Glass-Fiber Thermoplastic	2.34	2.13	1.64	1.26
161-R301SN-E	R-301SN (00)	B	15A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Nylon 66	.79	.72	.55	.42
161-R301SN01-E	R-301SN(01)	C	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Nylon 66	1.11	1.01	.78	.60
161-R301SN13-E	R-301SN(13)	D	10A 250VAC	Over 100MΩ at 500VDC	Snap On/PCB	Nylon 66	1.84	1.53	1.39	1.26
161-R3019013-E	R-30190(13)	E	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Black Glass-Fiber Thermoplastic	1.18	1.07	.82	.63
161-R301B07-E	R-301(B07)	F	10A 250VAC	Over 100MΩ at 500VDC	Snap On/PCB	Black Glass-Fiber Thermoplastic	1.11	1.01	.78	.60
161-R301SNC01-E	R-301SN(C01)	G	10A 250VAC	Over 100MΩ at 500VDC	Snap On/PCB	Black Glass-Fiber Nylon 66	1.18	1.07	.82	.63
161-R301SNC04-E	R-301SN(C04)	H	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	Black Glass-Fiber Nylon 66	.95	.86	.66	.51

INLETS WITH FUSE HOLDERS

- Suitable for 5x20mm Fuse

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each			
							1	10	100	500
161-R3013-E	R-3013	I	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	P.B.T.	2.09	1.74	1.58	1.44
161-R3014-E	R-3014	J	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Nylon 66	2.09	1.74	1.58	1.44

INLETS / OUTLETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each			
							1	10	100	500
161-R3012-E	R-3012	K	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Nylon 66	2.05	1.71	1.55	1.41
161-R3012S-E	R-3012S	L	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Nylon 66	4.58	4.16	3.20	2.46
161-R3014G21-E	R-3014G21(05)	M	10A 250VAC	Over 100MΩ at 500VDC	Snap On/Solder	Black Glass-Fiber	2.97	2.70	2.08	1.60

CABLE CONNECTORS

For quantities of 1000 and up, call for quote.

Outlet										
161-R332-E	R-332	N	10A 250VAC	Over 100MΩ at 500VDC	3 Wire Plug	Thermoplastic	3.01	2.74	2.11	1.62
Inlet										
161-R331-E	R-331	O	10A 250VAC	Over 100MΩ at 500VDC	3 Wire Plug	Thermoplastic	3.01	2.74	2.11	1.62

IEC 60320 C13 OUTLETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each			
							1	10	100	500
161-R30200-E	R-302(00)	P	10A 250VAC	Over 100MΩ at 500VDC	Screw/Solder	P.B.T.	.83	.69	.63	.57
161-R302SN-E	R-302SN(00)	Q	10A 250VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66	.79	.72	.55	.42
161-R30201-E	R-302(01)	R	10A 250VAC	Over 100MΩ at 500VDC	Screw/PCB	P.B.T.	1.11	1.01	.78	.60

NEMA OUTLETS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Rating	Insulation Resistance	Mounting Type	Body Material	Price Each			
							1	10	100	500
161-RU0298-E	RU-02(98)	S	15A 125VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66	.79	.72	.55	.42
161-RU0299-E	RU-02(99)	T	15A 125VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66	.79	.72	.55	.42
161-RU0200-E	RU-02(00)	U	15A 125VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66	.79	.72	.55	.42
161-RU0297-E	RU-02(97)	V	15A 125VAC	Over 100MΩ at 500VDC	Snap/Solder	Nylon 66	1.56	1.42	1.09	.84

AC Plugs, Receptacles, and Connectors

A

B

C

D

E

F

G

• Built-in fuse holder

H

I

J

KOBICONN AC POWER INLETS / OUTLETS

AC Power Inlets

Specifications:
- Current rating: 15A/250VAC
- Temperature rating: 65°C

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Terminal Type	Price Each		
				1	10	100
161-0707-1-E	A	Screw mount	Solder tab	.74	.62	.56
161-0707-1-187-E	A	Screw mount	Solder tab / .187" faston	.74	.62	.56
161-0707-1-250-E	A	Screw mount	.250" faston	.78	.65	.59
161-0711-2-E	B	PCB mount	PC	.78	.65	.59
161-0711-250-E	C	Snap-in mount	.250" faston	.78	.65	.59
161-0711-PQA-E	C	Snap-in mount	Solder tab / .187" faston	.74	.62	.56

PC Board AC Power Inlet

Specifications:
- Current rating: 15A/250VAC
- Temperature rating: 65°

RoHS Compliant

For quantities of 500 and up, call for quote.

161-0714-7-E	D	Screw mount	PC	1.04	.87	.79

IEC 320 AC Power Inlets with Miniature Fuse Holder

Specifications:
- Current rating: 10A/250VAC
- Temperature rating: 65°C
- Accepts 5 x 20mm fuses

RoHS Compliant

For quantities of 500 and up, call for quote.

161-0717-187-E	E	Screw mount	Solder tab / .187" faston	2.09	1.74	1.58
161-0717-1-187-E	F	Snap-in mount	Solder tab / .187" faston	2.09	1.74	1.58

NEMA 5-15R, Screw Mount AC Power Inlets

Features:
- Mates to standard CEE-22 cord set
- Receptacles: approved for use in Europe
- Mates with detachable power cord sets 173-63101-E, 173-63102-E, 173-63121-E
- Mates to Belden 17250, 17251 power cords
- 16PJ522 fused receptacle accepts up to 6 amp midget fuse (5 x 20mm)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rating	Description	Price Each		
				1	10	100
16PJ522	G	10A/250V	Fused with solder lug terminal	3.77	3.14	2.86
161-3516-E	H	15A/250V	Standard with solder lug terminal	1.41	1.08	.98
16PJ152-E	H	15A/250V	Standard with .187" faston term.	1.59	1.24	1.13
16PJ153-E	H	15A/250V	Standard with .250" faston term.	1.59	1.24	1.13

IEC 320 AC Power Outlets

Specifications:
- Current rating: 10A / 250
- Temperature rating: 65°C

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rating	Mounting Type	Terminal Type	Price Each		
					1	10	100
161-0708-1-E	I	10A/250V	Screw mount	Solder tab	.83	.69	.63

IEC 320 / CEE 22 Combination AC Power Inlet/Outlet

Specifications:
- Current Rating :10A / 250
- Temperature Rating: 65°

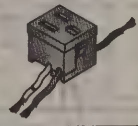
RoHS Compliant

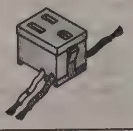
For quantities of 500 and up, call for quote.

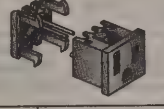
MOUSER STOCK NO.	Fig.	Rating	Mounting Type	Terminal Type	Price Each		
					1	10	100
161-0712-E	J	10A/250V	Snap-in Mount	Solder Tab .187" Faston	2.05	1.71	1.55

A

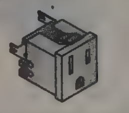
B

C


D


E


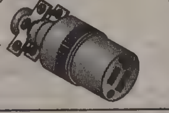
F

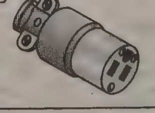
G


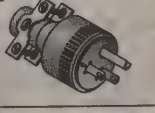
H

I

J

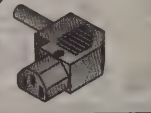
K


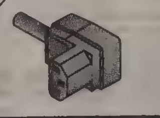
L


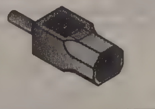
M


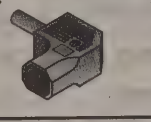
N

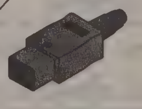
O

P


Q


R


S


T


AC RECEPTACLES

† † * UL Listed

Note: All 2 conductor receptacles are non-polarized unless otherwise noted.

Snap-In Mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Fits Panel Thickness	Price Each	
				1	10
†* 5160-67BK	A	3 conductor polarized with ground, black plastic	.031-.070	1.93	1.84
†* 5160-67W	A	3 conductor polarized with ground, white plastic	.031-.070	1.93	1.84
†* 5160-49BK	B	Midget, polarized, black plastic	.031-.070	1.91	1.82
†* 5160-49W	B	Midget, polarized, white plastic	.031-.070	1.91	1.82
†* 5160-49-2BK	C	Midget, polarized, heavy wire leads, black plastic	.031-.070	3.36	3.21
5160-49-2W	C	Midget, polarized, heavy wire leads, white plastic	.031-.070	3.36	3.21
161-0710-12-E	E	15A/125VAC, 3 cond. w/ground, v-slot, .205" faston	.039-.063	1.04	.87
161-0709-E	F	15A/125VAC, 3 cond. w/grd, solder tab, .187" faston	.039-.063	.70	.58
†* 5160-49-8BK	G	3 conductor with ground, v-slot, black	.031-.070	1.22	1.16
161-0715-E	H	15A/125VAC, 2 conductor, polarized	.031-.059	.94	.72
15AC037	H	15A/125VAC,2 conductor, polarized	.031-.047	.94	.72
15AC022	I	6A/125VAC, black plastic	.039-.063	1.63	1.36

Screw Mount

15AC021	J	15A/125VAC	2 conductor, black plastic	1.35	1.13

Cable Mount

For quantities of 100 and up, call for quote.

*5160-222	K	.600" cord size, rubber, 3 conductor grounded, polarized, black	9.06	8.65
*5160-2887	L	.25 to .625 cord diameter, 3 conductor grounded	8.91	8.50

AC PLUGS, CABLE MOUNT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	10
*5160-1709	M	3 cond. grounded, .600" cord size, rubber w/cord clamp, black	7.15	6.82
*5160-2867	N	3 cond. grnd, .685" cord, yell. vinyl w/armored cap & cord clamp	6.31	6.02

BULGIN AC CONNECTORS

- Nylon UL 94V0, screw terminals

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rating	Description	Price Each	
				1	10
161-PX0587	O	10A/250VAC	3 wire socket	2.78	2.55
161-PX0587/SE	P	10A/250VAC	3 wire socket right angle	3.31	3.04
161-PX0588	Q	10A/250VAC	3 wire socket	3.72	3.42
161-PX0597	O	10A/250VAC	3 wire socket hot cond.	3.22	2.96
171-PX0686	R	10A/250VAC	3 wire plug	3.03	2.78
171-PX0686/SE	S	10A/250VAC	3 wire plug right angle	3.03	2.78
161-PX0599	T	20A/250VAC	3 wire C19 socket	6.13	5.63

BULGIN Power Inlets and Outlets

IEC 320-1 FUSED POWER INLETS

RoHS Compliant

5x20MM Single Fuse 10A 250VAC

- Room for spare fuse
- Fuses sold Separately

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
161-PF0001/28	PF0001/28	A	Chassis mount 2.8mm solder tab	2.33	2.14	1.90	1.59
161-PF0001/63	PF0001/63	A	Chassis mount 6.3mm faston tab	2.37	2.18	1.94	1.62
161-PF0011/10/28	PF0011/10/28	B	Snap-in fit, 2.8mm solder tabs, 1mm panel thickness	2.31	2.12	1.89	1.57
161-PF0011/15/28	PF0011/15/28	B	Snap-in fit, 2.8mm solder tabs, 1.5mm panel thickness	2.31	2.12	1.89	1.57
161-PF0011/10/63	PF0011/10/63	B	Snap-in fit, 6.3mm faston tabs, 1mm panel thickness	2.35	2.16	1.92	1.60
161-PF0011/15/63	PF0011/15/63	B	Snap-in fit, 6.3mm faston tabs, 1.5mm panel thickness	2.35	2.16	1.92	1.60

Twin Fused 10A 250VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	1	25	50	100
161-PF0030/28	PF0030/28	C	Chassis mount, 2.8mm solder tabs	3.23	2.97	2.64	2.20
161-PF0030/63	PF0030/63	C	Chassis mount, 6.3mm faston tabs	3.27	3.00	2.67	2.23
161-PF0033/15/28	PF0033/15/28	D	Snap-in fit, 2.8mm solder tabs, 1.5mm panel thickness	3.19	2.93	2.60	2.17
161-PF0033/15/63	PF0033/15/63	D	Snap-in fit, 6.3mm faston tabs, 1.5mm panel thickness	3.23	2.97	2.64	2.20

IEC 320-1 POWER INLETS

RoHS Compliant

15A, 250VAC, UL and CSA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
161-PX0575/10/28	PX0575/10/28	E	Snap-in fit, 2.8mm solder tabs, 1mm panel thickness	1.27	1.16	1.03	.86
161-PX0575/15/28	PX0575/15/28	E	Snap-in fit, 2.8mm solder tabs, 1.5mm panel thickness	1.27	1.16	1.03	.86
161-PX0575/10/63	PX0575/10/63	E	Snap-in fit, 6.3mm faston tabs, 1mm panel thickness	1.31	1.20	1.07	.89
161-PX0575/15/63	PX0575/15/63	E	Snap-in fit, 6.3mm faston tabs, 1.5mm panel thickness	1.31	1.20	1.07	.89
161-PX0580/28	PX0580/28	F	Chassis mount, 2.8mm solder tabs	1.31	1.20	1.07	.89
161-PX0580/63	PX0580/63	F	Chassis mount, 6.3mm faston tabs	1.31	1.20	1.07	.89
161-PX0580/PC	PX0580/PC	G	PC mount	1.41	1.30	1.15	.96

IEC 320-1 C20 POWER INLETS

RoHS Compliant

20A, 250VAC, UL and CSA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
161-PX0596/63	PX0596/63	H	C20 Chassis mount, 6.3mm faston	1.92	1.76	1.57	1.31
161-PX0598/15/63	PX0598/15/63	I	C20 Snap-in fit, 6.3mm faston, 1.5mm panel thickness	1.92	1.76	1.57	1.31

IEC 320-2-2 POWER OUTLETS

RoHS Compliant

15A, 250VAC, UL and CSA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
161-PX0675/28	PX0675/28	J	Chassis mount, 2.8mm solder tabs	1.36	1.25	1.11	.93
161-PX0675/63	PX0675/63	J	Chassis mount, 6.3mm faston tabs	1.36	1.25	1.11	.93
161-PX0675/PC	PX0675/PC	K	PC mount	1.41	1.29	1.15	.96

IEC 320-2-2 POWER OUTLETS

RoHS Compliant

15A, 250VAC, UL and CSA

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
161-PX0695/15/28	PX0695/15/28	L	Snap-in fit, 2.8mm solder tabs, 1.5mm panel thickness	1.36	1.25	1.11	.93
161-PX0695/15/63	PX0695/15/63	L	Snap-in fit, 6.3mm faston tabs, 1.5mm panel thickness	1.36	1.25	1.11	.93

C14 IEC 320-1 FUSED INLETS

- Fuses sold Separately

RoHS Compliant

Vertical Module Arrangement 10A, 250VAC

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
161-BZV01/Z0000/01	BZV01/Z0000/01	M	Snap-in fit, SP switch, 6.3mm faston tabs	5.44	4.99	4.44	3.71
161-BZV01/Z0000/02	BZV01/Z0000/02	M	Snap-in fit, SP red neon switch, 6.3mm faston tabs	7.89	7.25	6.44	5.38
161-BZV01/Z0000/10	BZV01/Z0000/10	M	Snap-in fit, DP switch, 6.3mm faston tabs	6.05	5.56	4.94	4.12
161-BZV01/Z0000/11	BZV01/Z0000/11	M	Snap-in fit, DP red neon switch, 6.3mm faston tabs	8.50	7.81	6.94	5.80

Retaining Clip Kit

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
161-KT0006	KT0006	N	Fits Bulgin PX0580, PX0590, PX0675, PX0690, PX0793, & PX0739/1	2.21	2.03	1.80	1.51
161-KT0012	KT0012	N	Fits Bulgin PX0596	4.91	4.51	4.01	3.34

A

B

C

D

E

F

G

H

I

J

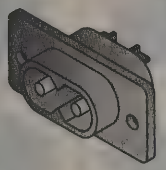
K

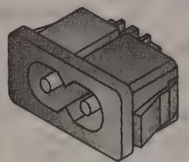
L

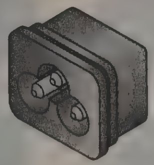
M

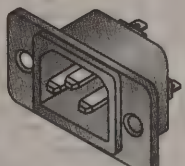
N

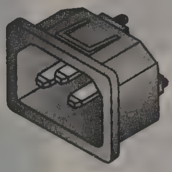
QUALTEK AC Receptacles

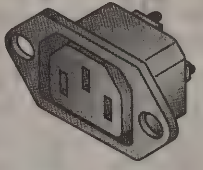
A


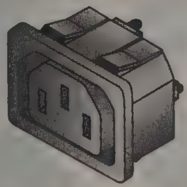
B


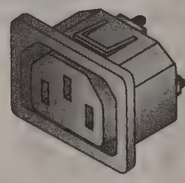
C


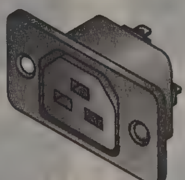
D


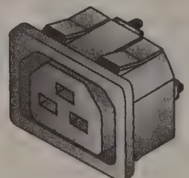
E


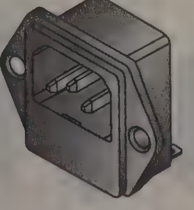
F


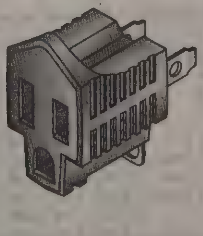
G


H


I


J


K


L


LOW CURRENT INLET IEC 320-C6/C8

Male low current inlet with snap-in and screw mount version.

Features:
- Max Rating: 2.5A/250VAC
- ✻ Universal snap-in feature to fit 0.6mm; 1.5mm panel thickness

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
562-77001	770W-00/01	A	Screw Mount	Solder Tab	.84	.73	.67	.62
562-77002	770W-00/02	A	Screw Mount	PCB Mount	.81	.70	.64	.59
562-77101	771W-X2/01	B	✻Snap-in Mount	Solder Tab	.57	.50	.45	.42
562-77102	771W-X2/02	B	✻Snap-in Mount	PCB Mount	1.07	.93	.85	.79
562-771W-CX2/01	771W-CX2/01	C	✻Snap-in Mount	Solder Tab	.98	.89	.82	.76

AC POWER INLETS IEC 320-C20

Male power outlets include snap-in and screw mount types.

Features:
- Max Rating: UL & CSA 20A/250VAC - VDE 16A/250VAC
- ✻ Panel thickness: 1.5mm (1.0, 2.0, 2.5, & 3.0 are also available)

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
562-744W-001	744W-00/01	D	Screw Mount	Solder Tab	.75	.68	.62	.59
562-744W-003	744W-00/03	D	Screw Mount	.187 QD/Solder	.75	.68	.62	.59
562-744W-00/04	744W-00/04	D	Screw Mount	.250 Q.D.	.85	.78	.72	.69
562-745W-1505	745W-15/05	E	✻Snap-In	Solder Tab	.66	.60	.55	.52
562-745W-1507	745W-15/07	E	✻Snap-In	.187 QD/Solder	.66	.60	.55	.52
562-745W-1508	745W-15/08	E	✻Snap-In	.250 QD/Solder	.66	.60	.55	.52

AC POWER OUTLETS IEC 320-C13

Female power outlets available in screw or snap-in mounting.

Features:
- Max Rating: UL & CSA 15A/250VAC - VDE 10A/250VAC
- ✻ Universal snap-in feature to fit 0.8mm; 2.0mm panel thickness
- ✻✻ Panel thickness: 1.5mm (1.0, 2.0, 2.5, & 3.0 are also available)

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
562-710W-00/01	710W-00/01	F	Screw Mount	Solder Tab	.79	.68	.62	.58
562-710W-00/02	710W-00/02	F	Screw Mount	.187 QD/Solder	.86	.76	.70	.65
562-710W-00/03	710W-00/03	F	Screw Mount	.250 Q.D.	.56	.52	.49	.47
562-716W-X2/01	716W-X2/01	G	✻Snap-in Mount	Solder Tab	.68	.59	.54	.50
562-716W-X2/02	716W-X2/02	G	✻Snap-in Mount	.187 QD/Solder	.68	.59	.54	.50
562-716W-X2/03	716W-X2/03	G	✻Snap-in Mount	.250 Q.D.	.75	.70	.64	.60
562-716W-1505	716W-15/05	H	✻✻Snap-in Mnt	Solder Tab	.58	.49	.46	.42
562-716W-1510	716W-15/10	H	✻✻Snap-in Mnt	.187 QD/Solder	.82	.75	.70	.65
562-716W-15/15	716W-15/15	H	✻✻Snap-in Mnt	.250 Q.D.	.65	.56	.51	.47

LOW CURRENT OUTLET IEC 320-C19

Female power outlets available in screw or snap-in mounting.

Features:
- Max Rating: UL & CSA 20A/250VAC - VDE 16A/250VAC
- ✻ Panel thickness: 1.5mm (1.0, 2.0, 2.5, & 3.0 are also available)

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
562-743W-00/02	743W-00/02	I	Screw Mount	.187 QD/Solder	1.04	.94	.86	.80
562-743W-00/03	743W-00/03	I	Screw Mount	.250 Q.D.	1.04	.94	.86	.80
562-746W-1507	746W-15/07	J	✻Snap-in Mount	.187 QD/Solder	1.21	1.10	.92	.86
562-746W-1508	746W-15/08	J	✻Snap-in Mount	.250 Q.D.	1.21	1.10	.92	.86

INLET W/VOLTAGE SELECTOR & FUSEHOLDER IEC 320-C14

Male power inlet with fuseholder and voltage selector switch. (Accepts 5 x 20mm fuse)

Features:
- Voltage selector switch adapts to 110V or 240V.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
562-755-00/28	755-00/28	K	Screw Mount	Solder Tab	3.89	3.48	3.20	2.92

AC ADAPTER

Features:
- NEMA 5-15R

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Price Each			
				1	10	25	50
562-738W-E-01	738W-E-01	L	3 Prong / 2 Prong - Wall Plug	.74	.66	.53	.45

QUALTEK AC Power Receptacles

AC POWER INLETS IEC 320 - C14

Male low current inlet with snap-in and screw mount version.

- Max. Rating: UL & CSA 15A/250VAC - VDE 10A/250VAC

✻ Universal snap-in feature to fit .08mm - 2.0mm panel thickness.
✻✻ Panel thickness 1.5mm

† Do not have countersunk holes
†† Have countersunk holes

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
✻ 562-701W-X2/02	701W-X2/02	A	Snap-In Mount	Solder Tab	.51	.49	.47	.44
✻ 562-701W-X2/03	701W-X2/03	A	Snap-In Mount	.187 Q.D./Solder	.52	.50	.47	.44
✻ 562-701W-X2/04	701W-X2/04	A	Snap-In Mount	.250 Q.D.	.52	.50	.47	.44
✻✻ 562-701W-15/21	701W-15/21	B	Snap-In Mount	Solder Tab	.61	.58	.54	.52
✻✻ 562-701W-15/26	701W-15/26	B	Snap-In Mount	.187 Q.D./Solder	.78	.74	.70	.67
✻✻ 562-701W-15/31	701W-15/31	B	Snap-In Mount	.250 Q.D.	.69	.67	.65	.64
† 562-703W-00/02	703W-00/02	C	Screw Mount	Solder Tab	.60	.57	.55	.53
† 562-703W-00/03	703W-00/03	C	Screw Mount	.187 Q.D./Solder	.67	.64	.62	.59
† 562-703W-00/04	703W-00/04	C	Screw Mount	.250 Q.D.	.78	.76	.74	.72
†† 562-703W-00/06	703W-00/06	C	Screw Mount	Solder Tab	.74	.71	.69	.67
†† 562-703W-00/07	703W-00/07	C	Screw Mount	.187 Q.D./Solder	.74	.71	.69	.67
†† 562-703W-00/08	703W-00/08	C	Screw Mount	.250 Q.D.	.61	.59	.56	.53

ANGLED INLET PCB MOUNT IEC 320 - C14

Male right angled PCB mount power inlet

- Max. Rating: UL & CSA 15A/250VAC - VDE 10A/250VAC

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
562-703W-00/52	703W-00/52	D	PCB Mount - Round Pins	7 mm	1.02	.97	.94	.89
562-703W-00/53	703W-00/53	E	PCB Mount - Flat Pins	7 mm	.80	.72	.59	.51
562-703W-00/54	703W-00/54	F	PCB Mount - Flat Pins	9 mm	.74	.68	.58	.48

POWER INLET WITH FUSEHOLDER IEC 320 - C14

Male power inlets with a fuseholder for single fuse.

- Max. Rating: UL & CSA 10A/250VAC - VDE 10A/250VAC

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
562-719W-00/02	719W-00/02	G	Screw Mount	Solder Tab	1.87	1.78	1.70	1.65
562-719W-0003	719W-00/03	G	Screw Mount	.187 Q.D./Solder	1.74	1.64	1.58	1.54
562-719W-00/04	719W-00/04	G	Screw Mount	.250 Q.D.	1.78	1.68	1.58	1.53
562-723W-X2/02	723W-X2/02	H	Snap-In Mount	Solder Tab	1.74	1.64	1.58	1.53
562-723W-X2/03	723W-X2/03	H	Snap-In Mount	.187 Q.D./Solder	1.83	1.76	1.69	1.58
562-723W-X2/04	723W-X2/04	H	Snap-In Mount	.250 Q.D.	2.00	1.91	1.86	1.81

NEMA 1-15R, 5-15R POWER OUTLET

Snap-in outlets with quick disconnect and IDC terminals.

✻ Recommended for use with 12 or 14 AWG wire
✻✻ Recommended for use with 16 or 18 AWG wire

- Max. Rating: UL & CSA 15A/125VAC

◆ RoHS, CSA and UR approvals only

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
◆ 562-738W-CX2-01	738W-CX2/01	I	Snap-In Mount	Solder Tab	.55	.50	.41	.36
562-738W-X2/03	738W-X2/03	J	Snap-In Mount	Q.D./Solder	.69	.63	.58	.54
✻ 562-739W-X2/03	739W-X2/03	K	Snap-In Mount	IDC	.71	.65	.60	.58
✻✻ 562-739W-X2/04	739W-X2/04	K	Snap-In Mount	IDC	.74	.71	.69	.67
562-739W-X2/20	739W-X2/20	L	Snap-In Mount	IDC	.85	.80	.77	.75

AC POWER PLUG ASSEMBLIES

Male and female rewireable plug connectors with straight and 90° angle cable entry.
Easily converts a power cord into a detachable power cordset.

◆ UL, CSA approvals only

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Terminals	Price Each			
					1	10	25	50
562-704-00/00	704-00/00	M	Straight Entry	Screw	3.45	3.31	3.18	3.07
562-705-00/00	705-00/00	N	Angled Entry	Screw	4.50	4.35	4.25	4.00
◆ 562-711-00/00	711-00/00	O	Angled Entry/Adjustable	Screw	6.40	6.20	6.00	5.82
562-712-00/00	712-00/00	P	Straight Entry	Screw	6.40	6.20	6.00	5.47
562-709-00/00	709-00/00	Q	Straight Entry	Screw	6.60	6.29	5.98	5.50

MULTI-FUNCTION MODULES IEC 320 - C14

Both snap-in and screw mount incorporates an IEC male power inlet, fuseholder and optional voltage selector and power switch.

- Max. Rating: UL & CSA 15A/125VAC

✻ Panel Thickness: 1.0-1.8mm
✻✻ Fuseholder for 5 x 20 (EURO) or 6.3 x 32mm (North American Type)

RoHS Compliant

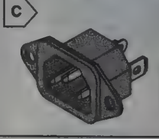
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Description	Housing	Terminal	Fuseholder Switch	Power Selector	Voltage	Price Each			
									1	10	25	50
✻ 562-761-18/003	761-18/003	R	Snap-In Mount	Plastic	Solder Tab	Single 5 x 20	SPST	--	5.85	5.70	5.59	5.41
✻ 562-761-18/004	761-18/004	R	Snap-In Mount	Plastic	Solder Tab	Single 5 x 20	DPST	--	10.24	10.00	9.75	9.56
✻ 562-762-18/002	762-18/002	S	Snap-In Mount	Metal	.250 Q.D.	Single 5 x 20	SPST	--	8.34	8.15	7.95	7.78
✻ 562-762-18/3	762-18/003	S	Snap-In Mount	Metal	.250 Q.D.	Single 5 x 20	DPST	--	12.88	12.50	12.02	11.57
✻ 562-762-18/004	762-18/004	T	Snap-In Mount	Metal	.250 Q.D.	Single 5 x 20	SPST	Rear	12.87	12.50	12.02	11.35
✻ 562-762-18/005	762-18/005	T	Snap-In Mount	Metal	.250 Q.D.	Single 5 x 20	DPST	Rear	19.36	18.90	18.26	17.60
✻✻ 562-763-00/001	763-00/001	U	Screw Mount	Plastic	Solder Tab	Double ††	DPST	Front	6.56	6.45	6.25	6.06
562-764-00/002	764-00/002	V	Screw Mount	Plastic	Solder Tab	Double 5 x 20	DPST	--	7.29	7.10	6.89	6.74
562-764-00/003	764-00/003	W	Screw Mount	Plastic	Solder Tab	Double 5 x 20	DPST	Front	8.98	8.75	8.50	8.38

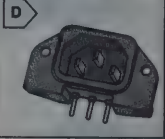
A

B

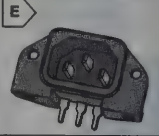
C



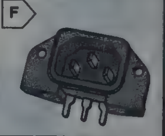
D



E



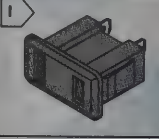
F



G

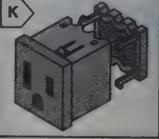
H

I

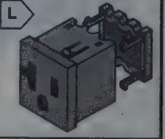


J

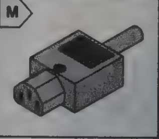
K



L

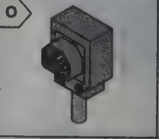


M



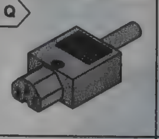
N

O

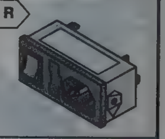


P

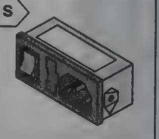
Q



R



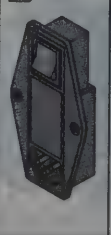
S



T

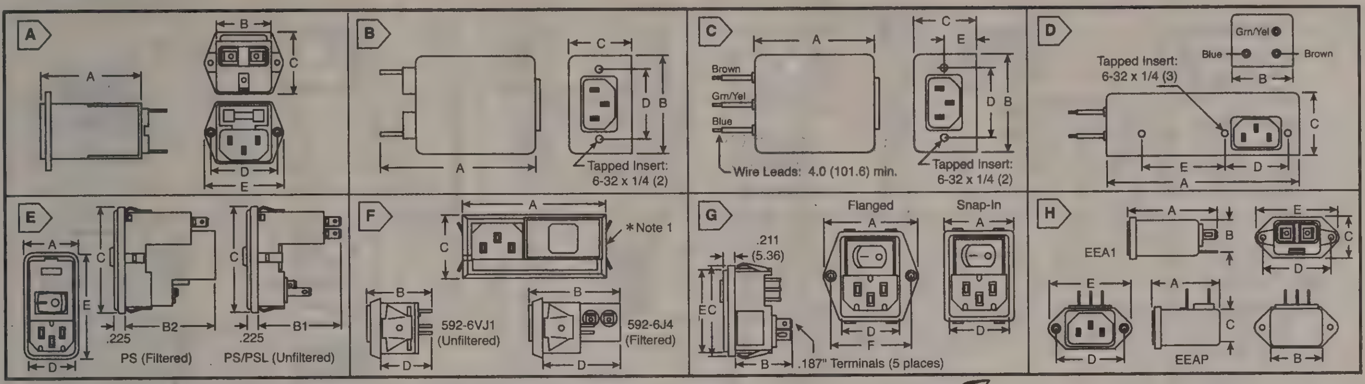
U

V



W

CORCOM Power Entry Modules



GG SERIES POWER-ENTRY MODULE WITH METRIC FUSE HOLDER

* 5 x 20mm fuse not included

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amps	Dimensions In. (mm)					Price Each			
Mfr. Mfr. Part No.			A	B	C	D	E	1	10	25	50
592—6EGG1-1	A	6	1.66 (51.10)	1.13 (28.70)	1.29 (32.77)	1.41 (33.30)	1.76 (44.70)	9.42	8.95	8.50	8.08
592—1EGG1-2	A	1	1.66 (51.10)	1.13 (28.70)	1.29 (32.77)	1.41 (33.30)	1.76 (44.70)	14.04	13.34	12.68	12.04
592—6EGG1-2	A	6	1.66 (51.10)	1.13 (28.70)	1.29 (32.77)	1.41 (33.30)	1.76 (44.70)	11.26	10.70	10.17	9.66

SK SERIES FILTER

RoHS Compliant

For quantities greater than listed, call for quote.

592—10VSK7	B	10	4.34 (110.0)	2.25 (57.2)	1.78 (45.20)	1.575 (40.01)	0.630 (16.0)	36.38	34.56	32.83	31.19

Q SERIES FILTERS

For quantities greater than listed, call for quote.

592—3VQ8	C	3	3.07 (78.0)	2.25 (57.2)	1.78 (45.2)	1.575 (40.01)	0.63 (16.0)	38.84	36.90	35.06	33.31
592—6EQ8	D	6	5.47 (138.9)	2.07 (52.6)	1.78 (45.2)	1.575 (40.01)	2.70 (68.6)	57.39	54.52	51.79	49.20

P SERIES ADAPTABLE POWER ENTRY MODULES

- IEC power line connector
- Both North American and European fusing capabilities
- Optional DPST on/off switch
- Snap in on mounting ears

* 5 x 20mm fuse not included

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amps	Filtered	Dimensions In. (mm)							Price Each			
Mfr. Mfr. Part No.				A (Max.)	B1 (Max.)	B2 (Max.)	C (Max.)	D (±.008)	E (±.008)	F (Max.)	1	10	25	50
Flanged														
592—PE0S0SS30	E	3	yes	1.98(50.29)	1.93 (49.02)	2.13(54.10)	2.31(58.67)	1.12(28.5)	2.20(55.91)	1.58(40)	16.99	16.14	15.33	14.56
592—PE0SSSSX0	E	10	yes	1.98(50.29)	1.93 (49.02)	2.13(54.10)	2.31(58.67)	1.12(28.5)	2.20(55.91)	1.58(40)	17.99	17.09	16.24	15.43
592—PE0S0SS6A	E	6	yes	1.98(50.29)	1.93 (49.02)	2.13(54.10)	2.31(58.67)	1.12(28.5)	2.20(55.91)	1.58(40)	20.01	19.00	18.01	16.01
Snap-in														
592—PS00XD000	E	10	no	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	9.10	8.65	8.22	7.81
592—PS0S0S000	E	10	no	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	10.59	10.06	9.56	9.08
592—PS0S0SBX0	E	10	yes	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	13.80	13.11	12.45	11.83
592—PS0S0DSXB	E	10	yes	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	22.17	20.59	19.54	17.95
592—PS0S0SS60	E	6	yes	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	15.95	15.15	14.39	13.67
592—PS0SSS000	E	10	no	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	9.99	9.49	9.02	8.57
592—PS0SXD000	E	10	no	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	9.99	9.49	9.02	8.57
592—PS0SXDS6B	E	6	yes	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	19.57	18.18	17.24	15.84
592—PS0SXS000	E	10	no	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	11.11	10.55	10.02	9.52
592—PS0SXSS30	E	3	yes	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	16.25	15.44	14.67	13.94
592—PS0SXSS60	E	6	yes	1.24(31.49)	1.93(49.02)	2.13(54.10)	2.31(58.67)	1.06(26.93)	2.20(55.91)	---	15.25	14.49	13.77	13.08

J SERIES - VOLTAGE SELECTING AND FUSED CONNECTOR

6 Amps; 120 - 250 Volts AC; 50-60 Hz

* 5 x 20mm fuse not included

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amps	Dimensions In. (mm)				Price Each			
Mfr. Mfr. Part No.			A (Max.)	B1 (Max.)	C (Max.)	D (±.008)	1	10	25	50
592—6VJ1	F	6	2.68(68.1)	1.52(38.6)	1.17(29.7)	1.23(31.2)	9.94	9.44	8.97	8.52
592—6J4	F	6	2.75(69.9)	1.87(47.5)	1.17(29.7)	1.58(40.1)	17.95	17.05	16.20	15.39

C SERIES

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Amps	Mount	Filtered	Dimensions In. (mm)						Price Each			
Mfr. Mfr. Part No.					A (Max.)	B (Max.)	C (Max.)	D	E	F	1	10	25	50
592—3CFE1	G	3	Flange	Yes	1.74 (44.20)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	1.417 (36.00)	15.11	14.36	13.64	12.95
592—3CFS1	G	3	Snap-in	Yes	1.23 (31.24)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	--- ---	15.11	14.36	13.64	12.95
592—6CFE1	G	6	Flange	Yes	1.74 (44.20)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	1.417 (36.00)	14.44	13.72	13.04	12.38
592—6CFS1	G	6	Snap-in	Yes	1.23 (31.24)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	--- ---	14.44	13.72	13.04	12.38
592—10CE1	G	10	Flange	No	1.74 (44.20)	.970 (24.64)	1.62 (41.17)	1.06 (26.92)	1.54 (39.12)	1.417 (36.00)	5.98	5.68	5.39	5.13
592—10CFE1	G	10	Flange	Yes	1.74 (44.20)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	1.417 (36.00)	17.83	16.94	16.09	15.29
592—10CFS1	G	10	Snap-in	Yes	1.23 (31.24)	2.53 (64.26)	1.62 (41.17)	1.12 (28.50)	1.54 (39.12)	--- ---	16.08	15.28	14.51	13.78
592—10CS1	G	10	Snap-in	No	1.23 (31.24)	.970 (24.64)	1.62 (41.17)	1.06 (26.96)	1.54 (39.12)	--- ---	5.98	5.68	5.39	5.13

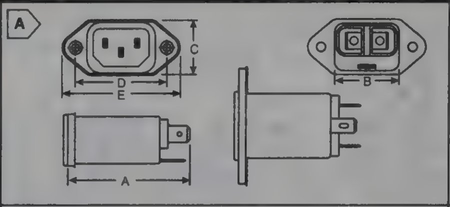
EEA SERIES FILTERS

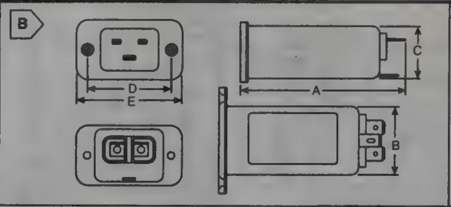
1 - 10 Amps; 120/250 Volts AC; 50-60 Hz

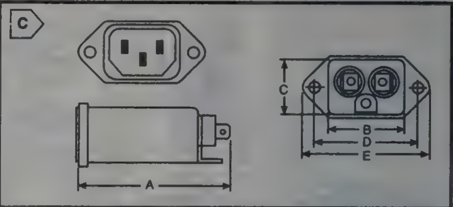
For quantities greater than listed, call for quote.

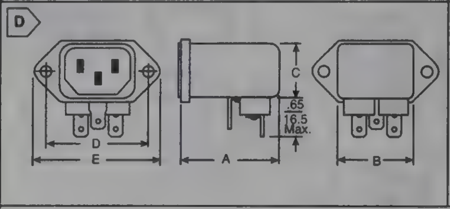
MOUSER STOCK NO.	Fig.	Amps (Max.)	Dimensions In. (mm)					Price Each			
Mfr. Mfr. Part No.			A	B	C	D	E	1	10	25	50
592—3EEA1	H	3	2.15 (53.8)	1.11 (28.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	6.41	6.09	5.78	5.50
592—6EEA1	H	6	2.15 (53.8)	1.11 (28.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	5.89	5.60	5.32	5.05
592—6EEAP	H	6	1.54 (39.2)	1.11 (28.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	7.58	7.20	6.84	6.50
592—10EEA1	H	10	2.15 (53.8)	1.11 (28.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	6.45	6.13	5.82	5.54

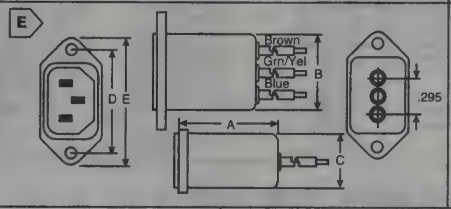
CORCOM Power Entry Modules

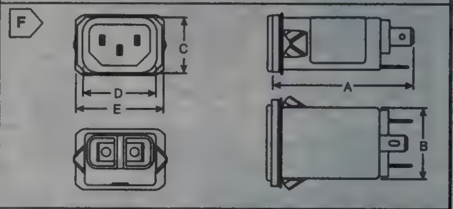


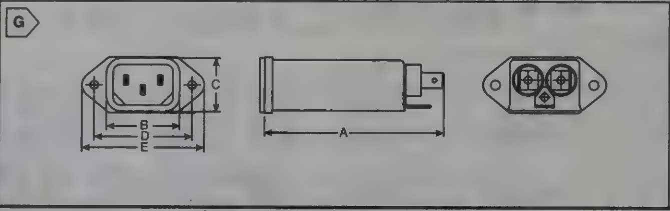


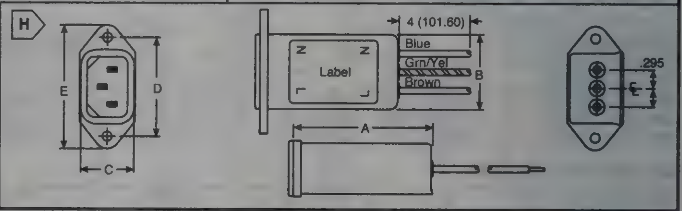












EEJ SERIES

Enhanced Performance Compact RFI Filter IEC Connector Package

- 3 to 20 Amps; 120/250 Volts AC; 50/60 Hz

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3EEJ1	3EEJ1	A	3	2.15 (54.61)	1.13 (28.7)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	6.29	5.84	5.54	5.09
592-6EEJ1	6EEJ1	A	6	2.15 (54.61)	1.13 (28.7)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	5.89	5.47	5.19	4.77
592-15EEJ1	15EEJ1	A	15	2.15 (54.61)	1.13 (28.7)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	7.06	6.70	6.35	6.00
592-20EEJ1	20EEJ1	B	20	3.13 (79.38)	1.37 (34.79)	1.18 (29.99)	1.65 (42.01)	2.09 (53.00)	11.36	10.55	10.01	9.20

EF SERIES

Compact RFI Filter with IEC Connectors

- 1 to 10 Amps; 120/250 Volts AC; 50-60 Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-1EF1F	1EF1F	C	1	2.20 (55.9)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	10.35	9.62	9.12	8.39
592-3EF1F	3EF1F	C	3	2.20 (55.9)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	14.83	13.78	13.07	12.01
592-1EF2F	1EF2F	D	1	1.55 (39.4)	1.19 (30.2)	0.85 (20.6)	1.575 (40.01)	1.98 (50.3)	10.35	9.62	9.12	8.39
592-6EF1	6EF1	C	6	2.20 (55.9)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	12.24	11.37	10.79	9.91
592-6EF1F	6EF1F	C	6	2.20 (55.9)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	10.35	9.62	9.12	8.39
592-6EF8	6EF8	E	6	1.55 (39.4)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	10.04	9.33	8.84	8.13
592-10EF1F	10EF1F	C	10	2.62 (66.5)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	10.52	9.78	9.27	8.52

EJS SERIES

Enhanced Performance Snap-In Compact RFI Filter IEC Connector Package

- 3 to 15 Amps; 120/250 Volts AC; 50-60 Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3EJS1	3EJS1	F	3	2.20 (55.88)	1.10 (27.94)	0.96 (24.38)	1.19 (30.10)	1.35 (34.21)	6.96	6.47	6.13	5.64
592-6EJS1	6EJS1	F	6	2.20 (55.88)	1.10 (27.94)	0.96 (24.38)	1.19 (30.10)	1.35 (34.21)	6.54	6.08	5.76	5.30
592-10EJS1	10EJS1	F	10	2.20 (55.88)	1.10 (27.94)	0.96 (24.38)	1.19 (30.10)	1.35 (34.21)	7.05	6.54	6.21	5.70
592-15EJS1	15EJS1	F	15	2.20 (55.88)	1.10 (27.94)	0.96 (24.38)	1.19 (30.10)	1.35 (34.21)	7.07	6.56	6.23	5.72

EJT SERIES

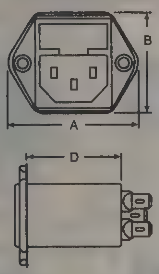
Compact RFI Filters with IEC Connector for Higher Frequency Applications

- 3 to 15 Amps; 120/250 Volts AC; 50-60 Hz

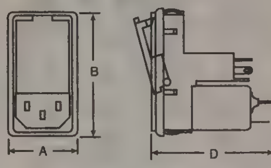
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3EJT1	3EJT1	G	3	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.87	11.95	11.34	10.42
592-6EJT1	6EJT1	G	6	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.85	11.93	11.32	10.40
592-10EJT1	10EJT1	G	10	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.93	12.01	11.39	10.47
592-15EJT1	15EJT1	G	15	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	13.10	12.17	11.54	10.61
592-3EJT8	3EJT8	H	3	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.32	11.44	10.86	9.97
592-6EJT8	6EJT8	H	6	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.51	11.62	11.03	10.13
592-10EJT8	10EJT8	H	10	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.57	11.68	11.08	10.18
592-15EJT8	15EJT8	H	15	2.23 (56.6)	1.19 (30.2)	0.875 (22.2)	1.575 (40.0)	1.98 (50.3)	12.72	11.81	11.21	10.30

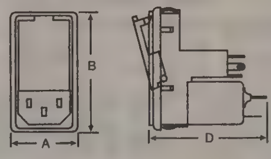
A



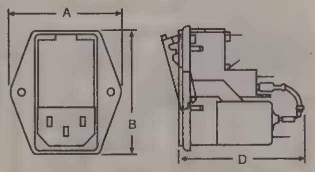
B



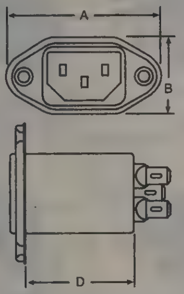
C



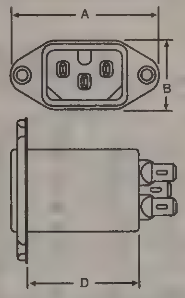
D



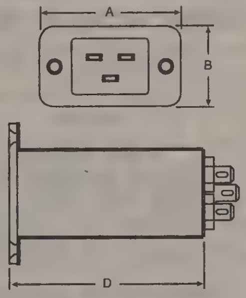
E



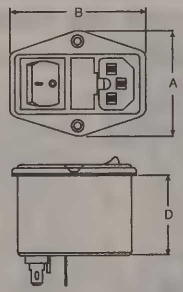
F



G



H



DUAL FUSE IEC INLETS

EN 133200
IEC60939

Specifications:

- Up to 6A current ratings
- IEC 950-compliant
- One or two fuses (5 x 20mm)
- Lightweight construction
- General-purpose application
- Optional medical version (B type)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Amps	L (mH)	Capacitance		Resistance R (MΩ)	Dimensions: mm			Price Each				
					Cx (nF)	Cy (nF)		A	B	D	1	25	50	100	250
631-FN9260-2/06	FN9260-2/06	A	2	2.7	100	2.2	1	46	35	41	12.50	10.40	9.40	8.50	8.20
631-FN9260-4/06	FN9260-4/06	A	4	1	100	2.2	1	46	35	41	12.50	10.40	9.40	8.50	8.20
631-FN9260-6/06	FN9260-6/06	A	6	0.3	100	2.2	1	46	35	41	12.50	10.40	9.40	8.50	8.20
631-FN9260B-4/06	FN9260B-4/06	A	4	1	100	–	1	46	35	41	12.50	10.40	9.40	8.50	8.20
631-FN9260B-6/06	FN9260B-6/06	A	6	0.3	100	–	1	46	35	41	12.50	10.40	9.40	8.50	8.20

FUSED INLETS

EN 133200
IEC60939

Specifications:

- Up to 6A current ratings
- IEC 950-compliant (twin fuse configurations only)
- One or two fuses (5 x 20 or 6.3 x 32mm)
- Easy-access fuse compartment
- Voltage selector
- Snap-in or screw-mount versions
- General-purpose application

For quantities greater than listed, call for quote.

631-FN372-2/22	FN372-2/22	B	2	0.7	47	2.2	- - -	32	58	56.5	29.70	24.80	22.50	20.30	19.50
631-FN372-6/22	FN372-6/22	B	6	0.18	47	2.2	- - -	32	58	56.5	29.70	24.80	22.50	20.30	19.50
631-FN382-4/22	FN382-4/22	C	4	0.3	47	2.2	- - -	32	58	56.5	29.50	24.60	22.30	20.20	19.30
631-FN388-6/22	FN388-6/22	D	6	0.18	47	2.2	- - -	50	58	56.5	29.61	24.61	22.41	20.21	19.41
631-FN389B-6/22	FN389B-6/22	D	6	0.5	47	- - -	1	50	58	66.5	32.20	26.80	24.30	22.00	21.10

POWER ENTRY MODULES

(10A max. for
VDE and Semko)

EN 133200
IEC60939

Specifications:

- Up to 20A current ratings
- IEC 950-Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Amps	L (mH)	Capacitance		Resistance R (MΩ)	Dimensions: mm			Price Each				
					Cx (nF)	Cy (nF)		A	B	D	1	25	50	100	250
631-FN9222R-1/06	FN9222R-1/06	E	1	12	100	2.2	1	48	22.5	37.7	7.56	6.43	5.48	5.20	4.82
631-FN9222R-3/06	FN9222R-3/06	E	3	2.5	100	2.2	1	48	22.5	37.7	7.56	6.43	5.48	5.20	4.82
631-FN9222R-6/06	FN9222R-6/06	E	6	0.78	100	2.2	1	48	22.5	37.7	7.56	6.43	5.48	5.20	4.82
631-FN9222R-10/06	FN9222R-10/06	E	10	0.225	100	2.2	1	48	22.5	37.7	7.56	6.43	5.48	5.20	4.82
631-FN9222R-12/06	FN9222R-12/06	F	12	0.11	100	2.2	1	48	22.5	46.5	7.56	6.43	5.48	5.20	4.82
631-FN9222R-15/06	FN9222R-15/06	F	15	0.075	100	2.2	1	48	22.5	46.5	7.56	6.43	5.48	5.20	4.82
631-FN9222R-16/06	FN9222R-16/06	G	16	0.54	330	2.2	1	53	30	73	26.41	22.01	20.01	18.14	17.34
631-FN9222R-20/06	FN9222R-20/06	G	20	0.4	330	2.2	1	53	30	73	27.37	22.81	20.74	18.80	17.97

MEDICAL HIGH PERFORMANCE MODULES

(10A max. for
VDE and Semko)

EN 133200
IEC60939

Specifications:

- Up to 20A current ratings
- IEC 950-Compliant

For quantities greater than listed, call for quote.

631-FN9222B-1/06	FN9222B-1/06	E	1	12	100	–	1	48	22.5	37.7	9.90	8.30	7.50	6.80	6.50
631-FN9222B-3/06	FN9222B-3/06	E	3	2.5	100	–	1	48	22.5	37.7	9.90	8.30	7.50	6.80	6.50
631-FN9222B-6/06	FN9222B-6/06	E	6	0.78	100	–	1	48	22.5	37.7	9.90	8.30	7.50	6.80	6.50
631-FN9222B-10/06	FN9222B-10/06	E	10	0.225	100	–	1	48	22.5	37.7	9.90	8.30	7.50	6.80	6.50

POWER ENTRY MODULES

RoHS Compliant

EN 133200
IEC60939

Specifications:

- Current rating from 1 to 6A
- IEC 950-compliant
- General-purpose application
- For one or two fuses (5X20mm)

For quantities greater than listed, call for quote.

631-FN283-1/06	FN283-1/06	H	1	7.5	220	2.2	1	50	65	43.1	21.88	19.69	18.85	17.70	16.54
631-FN283-2/06	FN283-2/06	H	2	2	220	2.2	1	50	65	43.1	21.66	19.49	18.74	17.55	16.35
631-FN283-4/06	FN283-4/06	H	4	1	220	2.2	1	50	65	43.1	21.66	19.49	18.74	17.55	16.35
631-FN283-6/06	FN283-6/06	H	6	0.45	220	2.2	1	50	65	43.1	21.88	19.69	18.85	17.70	16.54

SCHURTER AC Inlets and Outlets

SCHURTER GSP1 / GSP2 SERIES: IEC320 AC INLETS FOR PCB MOUNTING

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Ground terminal is solder/quick connect .187", 90° to connector axis.
- Housing material: Black thermoplastic UL 94V-O
- Rating: UL/CSA - 15A/250V; VDE 10A/250V
- 2 screws included with GSP2. Screws for GSP1 not included.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Terminal Spacing	Mounting Type	Price Each			
					1	25	50	100
Without insulation cover								
693-GSP1.8101.1	GSP1.8101.1	A	9.05/9.7mm	Flange with holes for M3 screws	**1.33**	**1.18**	**1.07**	**1.01**
693-GSP2.8101.13	GSP2.8101.13	B	9.05/9.7mm	Screw-on with self-tapping M3 screws	**2.02**	**1.78**	**1.61**	**1.52**
693-GSP2.8201.13	GSP2.8201.13	C	9.05/9.7mm	With snap-in feet for PCB 1.6mm	**1.70**	**1.50**	**1.36**	**1.28**
With insulation cover								
693-GSP1.9113.1	GSP1.9113.1	A	7/7.3mm	Flange with holes for M3 screws	**1.75**	**1.55**	**1.40**	**1.32**
693-GSP2.9113.13	GSP2.9113.13	B	7/7.3mm	Screw-on with self-tapping M3 screws	**2.49**	**2.22**	**2.00**	**1.88**
693-GSP2.9213.13	GSP2.9213.13	C	7/7.3mm	With snap-in feet for PCB 1.6mm	**2.18**	**1.93**	**1.75**	**1.65**

SCHURTER 6100 SERIES: PANEL MOUNT IEC320 AC INLETS

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Rating: UL/CSA - 15A/250V; VDE 10A/250V
- 6100 housing material: Black thermoplastic, PA 6.6

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Description	Price Each			
				1	25	50	100
693-6100.3100	6100.3100	D	Screw-on, solder .138"	**1.18**	**1.05**	**.94**	**.89**
693-6100.3200	6100.3200	D	Screw-on, quick connect .187"	**1.18**	**1.05**	**.94**	**.89**
693-6100.3300	6100.3300	D	Screw-on, quick connect .250"	**1.18**	**1.05**	**.94**	**.89**
693-6100.4115	6100.4115	E	Snap-in, solder .138", panel thickness 1.5mm	**1.23**	**1.09**	**.98**	**.93**
693-6100.4215	6100.4215	E	Snap-in, quick connect .187", panel thickness 1.5mm	**1.23**	**1.09**	**.98**	**.93**
693-6100.4310	6100.4310	E	Snap-in, quick connect .250", panel thickness 1.0mm	**1.23**	**1.09**	**.98**	**.93**
693-6100.4315	6100.4315	E	Snap-in, quick connect .250", panel thickness 1.5mm	**1.23**	**1.09**	**.98**	**.93**
Insulation cover for 6100 Series							
693-0859.0048	0859.0048	-----	Flexible plastic PVC, UL 94V-0 rated	**1.05**	**.93**	**.84**	**.79**

SCHURTER 4300 SERIES: LOW CURRENT AC INLETS

- For "cold" connections 70° C.
- Rating: UL/CSA/VDE - 2.5A/250V
- Housing material: Black thermoplastic, PBT
- Class I level of protection (with ground terminal) is IEC320/C6 3-pin
- Class II level of protection (without ground terminal) is IEC320/C8 2-pin

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Protection Level	Terminal Type	Mounting Type	Price Each			
						1	25	50	100
693-4300.0096	4300.0096	F	Class II	Solder	Screw-on	**.58**	**.52**	**.45**	**.43**
693-4300.0097	4300.0097	F	Class II	PCB	Screw-on	**.58**	**.52**	**.45**	**.43**
693-4300.0098	4300.0098	G	Class II	Solder	Snap-in	**.58**	**.52**	**.45**	**.43**
693-4300.0099	4300.0099	G	Class II	PCB	Snap-in	**.58**	**.52**	**.45**	**.43**
693-4300.0100	4300.0100	H	Class I	Solder	Screw-on	**.99**	**.89**	**.79**	**.75**
693-4300.0101	4300.0101	H	Class I	PCB	Screw-on	**.99**	**.89**	**.79**	**.75**

SCHURTER 6600/4721 SERIES: AC OUTLETS FOR PANEL MOUNTING

Shuttered outlets have mechanical covers over the L and N contacts which slide aside like a camera shutter when a plug is inserted and then spring back when the plug is removed. This offers protections against ingress of dust and against electrical shock.

- Class I level of protection (with ground terminal); IEC320/F
- Ratings: 6600 - UL/CSA 15A/250V, VDE 10A/250V
  4721 - UL/CSA/VDE 10A/250V
- For "cold" connections 70° C.
- Housing materials: 6600 - Thermoplastic, Polyamid 6.6
  4721 - Modified PPO UL94V-O

RoHS Compliant

For quantities of 200 and up, call for quote.

693-6600.4115	6600.4115	I	Class I	.138" Solder	Snap-in, 1.5mm panel thickness	**1.80**	**1.60**	**1.44**	**1.36**
693-6600.4315	6600.4315	I	Class I	.250" QC	Snap-in, 1.5mm panel thickness	**1.80**	**1.60**	**1.44**	**1.36**
693-6600.3100	6600.3100	J	Class I	.138"Solder	Screw-on	**1.87**	**1.66**	**1.50**	**1.41**
693-6600.3300	6600.3300	J	Class I	.250" QC	Screw-on	**1.87**	**1.66**	**1.50**	**1.41**
693-4721.0000	4721.0000	K	Class I	.250" QC	Screw-on, shuttered	**2.78**	**2.47**	**2.23**	**2.10**
693-4721.0300	4721.0300	K	Class I	.138" Solder	Screw-on, shuttered	**2.78**	**2.47**	**2.23**	**2.10**
Accessories for 6600 Series									
693-0859.0047	0859.0047	-----	Insulation cover, flexible plastic PVC, UL 94V-0 rated			**1.44**	**1.28**	**1.16**	**1.09**
693-0888.0017	0888.0017	-----	Cord retaining clamp for screw-on 6600			**6.87**	**6.11**	**5.50**	**5.19**

SCHURTER 4300 SERIES: NEMA 5-15R OUTLETS

Specifications:

- 4300.0701, 0702, 0703 have Class I level of protection (with ground terminal).
- 4300.0705 has Class II level of protection (without ground terminal)
- Ratings: UL/CSA 15A/125V
- Housing material: Black thermoplastic, nylon 66
- Snap-in panel mount from front

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	Terminal Type	Price Each			
					1	25	50	100
693-4300.0701	4300.0701	L	0.8-1.6mm	Solder/.187" quick connect	**.79**	**.69**	**.62**	**.59**
693-4300.0702	4300.0702	M	0.8-1.6mm	V-slotted (14 AWG)	**.82**	**.73**	**.66**	**.62**
693-4300.0703	4300.0703	N	0.8-2.0mm	Sockets for .205" tabs, solid wires (12-14 AWG)	**1.00**	**.89**	**.80**	**.75**
693-4300.0705	4300.0705	O	0.8-1.5mm	Solder/.187" quick connect	**.56**	**.49**	**.45**	**.42**

* Use terminals 534-1213 or 534-1286

SCHURTER HIGH CURRENT CORD CONNECTORS

These new power cord connectors are rated for use with cordage up to 16/21A. Two types, 4789 and 4790 (plug or connector), are angled for closer placement of the equipment to the wall, consuming less space and minimizing the potential for tangling or tripping.

Specifications:

- Ratings IEC: 16A / 250VAC; 50Hz
- Ratings UL/CSA: 21A / 250VAC; 60Hz
- Dielectric Strength: 2kVAC between L-N and L/N-PE
- Operation Temp: -25°C to 70°C

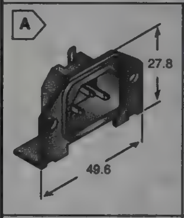
Features:

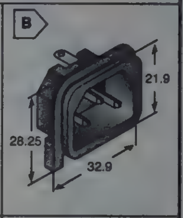
- Screw Terminals
- Rewireable plug/connector
- Housing material: Thermoplastic, Black UL 94V-0

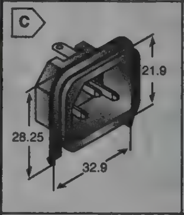
For quantities of 200 and up, call for quote.

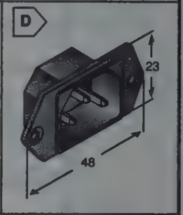
MOUSER STOCK NO.	Schurter Part No.	Fig.	Description	Max Cable Dia..	Max. Wire Size	Price Each			
						1	25	50	100
693-4789.11	4789.1100	P	Plug for cable 90° Entry	8.7mm	3 x 1.5mm² / 3x16 AWG	**7.30**	**6.64**	**6.08**	**5.62**
693-4789.12	4789.1200	P	Plug for cable 90° Entry	10.00mm	3 x 2mm² / 3 x 14 AWG	**7.30**	**6.64**	**6.08**	**5.62**
693-4790.11	4790.1100	Q	Connector for cable 90° Entry	8.7mm	3 x 1.5mm² / 3x16 AWG	**6.43**	**5.85**	**5.36**	**4.95**
693-4790.12	4790.1200	Q	Connector for cable 90° Entry	10.00mm	3 x 2mm² / 3 x 14 AWG	**6.43**	**5.85**	**5.36**	**4.95**

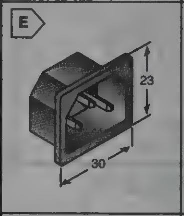
DIMENSIONS (mm)

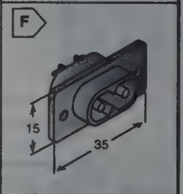




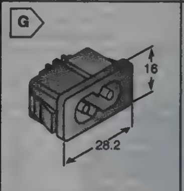




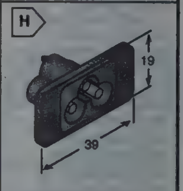




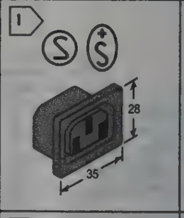
Solder mount shown

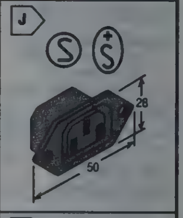


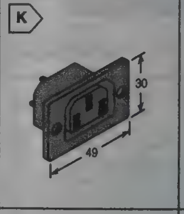
Solder mount shown

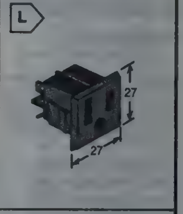


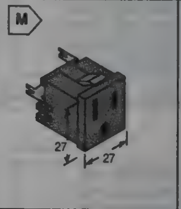
Solder mount shown

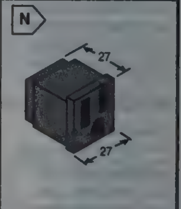


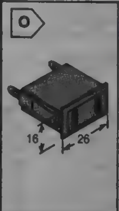


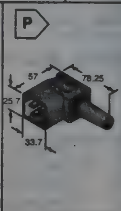


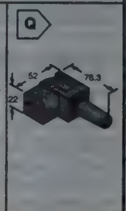












SCHURTER 4797 SERIES: HIGH CURRENT APPLIANCE OUTLETS

Specifications:

- Designed to IEC 60320 type "C20"
- Rated 16A VDE, 20A UL, 250 VAC
- Protection Class I (with ground). For pin temperatures to 70°C
- Screw-On or Snap-In mounting types; either quick connect or solder terminals
- Snap-In versions for other panel thickness available

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Terminal Type	Mounting Type	Price Each			
						1	25	50	100
693-4797.0015	4797.0015	A	20A	6.3x0.8mm quick conn.	1.5mm Snap-In	2.76	2.55	2.14	1.94
693-4797.3015	4797.3015	A	20A	Solder	1.5mm Snap-In	2.76	2.55	2.14	1.94
693-4797.0000	4797.0000	B	20A	6.3x0.8mm quick conn.	Screw-On	2.76	2.55	2.14	1.94
693-4797.3000	4797.3000	B	20A	Solder	Screw-On	2.76	2.55	2.14	1.94

SCHURTER 4793/4798 SERIES: HIGH CURRENT IEC 320 AC INLETS

Specifications:

- Designed to IEC 60320 type C20
- Protection Class I (with ground). For pin temperatures to 70°C
- Rated 16A VDE, 20A UL, 250 VAC
- Snap-In versions for other panel thickness available
- Screw-On or Snap-In mounting types; either quick connect or solder terminals

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Terminal Type	Mounting Type	Price Each			
						1	25	50	100
693-4793.4000	4793.4000	C	20A	6.3x0.8mm quick conn.	1.5mm Snap-In	2.03	1.89	1.59	1.44
693-4793.4200	4793.4200	C	20A	Solder	1.5mm Snap-In	2.03	1.89	1.59	1.44
693-4798.9000	4798.9000	D	20A	6.3x0.8mm quick conn.	Screw-On	2.03	1.89	1.59	1.44
693-4798.9200	4798.9200	D	20A	Solder	Screw-On	2.03	1.89	1.59	1.44

SCHURTER 5110 SERIES: AC INLETS WITH STANDARD RFI LINE FILTER

Specifications:

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Terminals: .250" quick connect
- Designed to replace discrete filters that require wiring between the filter and panel inlet.
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1
- Ratings: c-UL-us - 1A-15A/250V; VDE - 1A-10A/250V
- Max. leakage current: Standard - <0.5mA; Medical - <5μA

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each			
						1	10	25	50
With Standard RFI filter									
693-5110.0133.1	5110.0133.1	E	1 A	11 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.0143.1	5110.0143.1	F	1 A	11 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.0333.1	5110.0333.1	E	3 A	2.5 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.0343.1	5110.0343.1	F	3 A	2.5 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.0633.1	5110.0633.1	E	6 A	0.7 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.0643.1	5110.0643.1	F	6 A	0.7 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.0833.1	5110.0833.1	E	8 A	0.6 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.0843.1	5110.0843.1	F	8 A	0.6 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.1033.1	5110.1033.1	E	10 A	0.4 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.1043.1	5110.1043.1	F	10 A	0.4 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.1533.1	5110.1533.1	E	15 A	0.1 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.1543.1	5110.1543.1	F	15 A	0.1 mH	Snap-in	13.91	12.36	11.12	10.51
With Medical RFI filter									
693-5110.0133.3	5110.0133.3	E	1 A	11 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.0143.3	5110.0143.3	F	1 A	11 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.0333.3	5110.0333.3	E	3 A	2.5 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.0343.3	5110.0343.3	F	3 A	2.5 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.0633.3	5110.0633.3	E	6 A	0.7 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.0643.3	5110.0643.3	F	6 A	0.7 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.0833.3	5110.0833.3	E	8 A	0.6 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.0843.3	5110.0843.3	F	8 A	0.6 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.1033.3	5110.1033.3	E	10 A	0.4 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.1043.3	5110.1043.3	F	10 A	0.4 mH	Snap-in	13.91	12.36	11.12	10.51
693-5110.1533.3	5110.1533.3	E	15 A	0.1 mH	Screw-on	13.91	12.36	11.12	10.51
693-5110.1543.3	5110.1543.3	F	15 A	0.1 mH	Snap-in	13.91	12.36	11.12	10.51

SCHURTER 5120 SERIES: LOW COST AC INLETS WITH STANDARD RFI LINE FILTER

Specifications:

- For "cold" connections 70°C
- Class I level of protection (with ground terminal); IEC320/C14
- Terminals: 6.3mm quick connect
- Designed to replace discrete filters that require wiring between the filter and panel inlet
- Medical untils qualify for use in equipment with safety requirements according to IEC 601-1
- Ratings: c-UL-us - 1A-15A/250V; VDE - 1A-10A/250V
- Max. leakage current: Standard - <0.5mA; Medical - 5μA

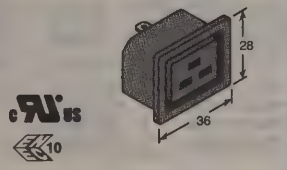
RoHS Compliant

For quantities of 500 and up, call for quote.

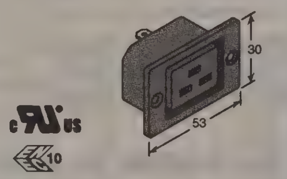
MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each			
						1	25	50	100
With Standard RFI Filter									
693-5120.0001.0	5120.0001.0	G	2 A	12 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.0004.0	5120.0004.0	G	6 A	0.8 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.0006.0	5120.0006.0	G	10 A	0.4 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.0007.0	5120.0007.0	G	15 A	0.1 mH	Screw-On	6.34	5.87	4.93	4.46
With Standard RFI Filter, Pre-Formed Threads for Rear Mounting									
693-5120.1000.0	5120.1000.0	G	1 A	12 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1001.0	5120.1001.0	G	2 A	5.2 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1003.0	5120.1003.0	G	4 A	2.0 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1004.0	5120.1004.0	G	6 A	0.8 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1006.0	5120.1006.0	G	10 A	0.4 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1007.0	5120.1007.0	G	15 A	0.1 mH	Screw-On	6.34	5.87	4.93	4.46
With Medical RFI Filter, Pre-Formed Threads for Rear Mounting									
693-5120.1300.0	5120.1300.0	G	1 A	12 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1301.0	5120.1301.0	G	2 A	5.2 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1303.0	5120.1303.0	G	4 A	2.0 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1304.0	5120.1304.0	G	6 A	0.8 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1306.0	5120.1306.0	G	10 A	0.4 mH	Screw-On	6.34	5.87	4.93	4.46
693-5120.1307.0	5120.1307.0	G	15 A	0.1 mH	Screw-On	6.34	5.87	4.93	4.46

DIMENSIONS (mm)

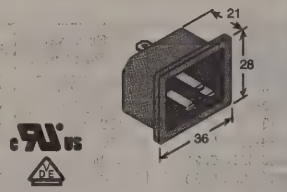
A



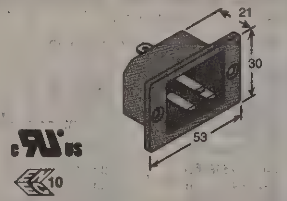
B



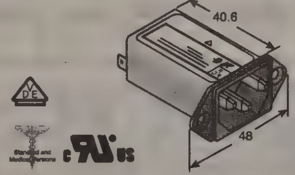
C



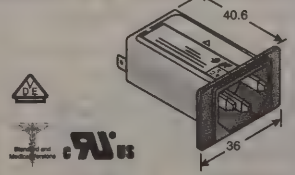
D



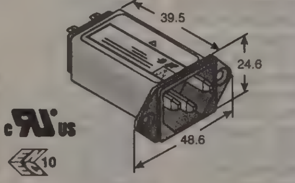
E



F



G



SCHURTER AC Inlets, AC Outlets and DC Power Entry Modules

RoHS Compliant This page of product is compliant.

SCHURTER ELECTRONIC COMPONENTS AC INLETS/OUTLETS

- Rating: 250VAC@15A UL/CSA, 10A VDE/SEMKO

RoHS Compliant
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Mounting	Terminals	Price Each			
					1	25	50	100
693-4300.0301	4300.0301	A	Snap-in	4.8x0.8mm QC	3.17	2.82	2.54	2.40
693-4304.6001	4304.6001	B	Vertical Screw-on	Solder	2.75	2.44	2.26	1.95
693-4304.6002	4304.6002	B	Vertical Screw-on	6.3x0.8mm Q.C.	2.75	2.44	2.26	1.95
693-4304.6003	4304.6003	C	Horizontal Screw-on	Solder	2.75	2.44	2.26	1.95
693-4304.6004	4304.6004	C	Horizontal Screw-on	6.3x0.8mm Q.C.	2.75	2.44	2.26	1.95

SCHURTER ELECTRONIC COMPONENTS INLET WITH SWITCH, FUSEHOLDER

- Rating: 250VAC@1-10A cURus, ENEC10

RoHS Compliant
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Mounting	Terminals	Price Each			
					1	25	50	100
693-4304.6090	4304.6090	D	Horizontal Screw-on	4.8x0.8mm Q.C.	8.18	7.27	6.73	5.82

SCHURTER ELECTRONIC COMPONENTS INLET WITH SWITCH, FUSEHOLDER, 1- OR 2-STAGE EMI FILTER

- Rating: 250VAC@1-10A cURus, ENEC10

RoHS Compliant
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	I_N (A)	Stages	Mounting	Terminals	Price Each			
							1	25	50	100
693-4304.4022	4304.4022	E	2	1	Horizontal Screw-on	6.3x0.8mm Q.C.	58.89	52.35	48.42	41.88
693-4304.4024	4304.4024	E	6	1	Horizontal Screw-on	6.3x0.8mm Q.C.	58.89	52.35	48.42	41.88
693-4304.4025	4304.4025	E	10	1	Horizontal Screw-on	6.3x0.8mm Q.C.	58.89	52.35	48.42	41.88
693-4304.5021	4304.5021	F	1	2	Horizontal Screw-on	6.3x0.8mm Q.C.	70.20	62.40	57.72	49.92
693-4304.5023	4304.5023	F	4	2	Horizontal Screw-on	6.3x0.8mm Q.C.	70.20	62.40	57.72	49.92
693-4304.5024	4304.5024	F	6	2	Horizontal Screw-on	6.3x0.8mm Q.C.	70.20	62.40	57.72	49.92

SCHURTER ELECTRONIC COMPONENTS BACKPLANE OUTLETS

- Rating: 250VAC@15A UL/CSA, 10A VDE

RoHS Compliant
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Mounting	Terminals	Price Each			
					1	25	50	100
693-4787.1000	4787.1000	G	Screw-on	6.3x0.8mm Q.C.	2.06	1.83	1.70	1.47
693-4788.8000	4788.8000	H	Snap-in, 1.2mm	6.3x0.8mm Q.C.	2.06	1.83	1.70	1.47
693-4788.4000	4788.4000	H	Snap-in, 1.5mm	6.3x0.8mm Q.C.	2.06	1.83	1.70	1.47
693-4788.5000	4788.5000	H	Snap-in, 2.0mm	6.3x0.8mm Q.C.	2.06	1.83	1.70	1.47
693-4788.6000	4788.6000	H	Snap-in, 2.5mm	6.3x0.8mm Q.C.	2.06	1.83	1.70	1.47

SCHURTER ELECTRONIC COMPONENTS HIGH CURRENT AC CONNECTORS

- Rating: 250VAC@21A UL/CSA, 16A VDE/ENEC05

RoHS Compliant
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Mounting	Terminals	Price Each			
					1	25	50	100
693-6183.0004	6183.0004	I	Screw-on	6.3x0.8mm Q.C.	2.29	2.04	1.88	1.63
693-6163.0018	6163.0018	J	PCB	PCB+6.3x0.8mm	1.86	1.65	1.53	1.32

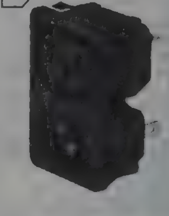
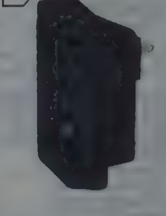
SCHURTER ELECTRONIC COMPONENTS DC FILTERED POWER ENTRY MODULES

- Rating: 125VDC@3-15A
- Terminals: 6.3x0.8mm QC

* Mounting holes are pre-threaded

RoHS Compliant
For quantities of 200 and up, call for quote.

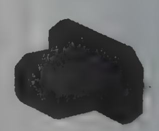
MOUSER STOCK NO.	Schurter Part No.	Fig.	I_N (A)	Mounting Type	Connector	Price Each			
						1	25	50	100
693-5003.0121.1	5003.0121.1	K	3	Rear Screw-on *	Molex HCS-125	9.41	8.37	7.74	6.69
693-5003.0221.1	5003.0221.1	K	6	Rear Screw-on *	Molex HCS-125	9.41	8.37	7.74	6.69
693-5003.0321.1	5003.0321.1	K	10	Rear Screw-on *	Molex HCS-125	9.41	8.37	7.74	6.69
693-5003.0421.1	5003.0421.1	K	15	Rear Screw-on *	Molex HCS-125	9.41	8.37	7.74	6.69
693-5003.1111.1	5003.1111.1	L	3	Front/Rear Screw-on	AMP/Molex MLX	9.86	8.77	8.11	7.01
693-5003.1211.1	5003.1211.1	L	6	Front/Rear Screw-on	AMP/Molex MLX	9.86	8.77	8.11	7.01
693-5003.1311.1	5003.1311.1	L	10	Front/Rear Screw-on	AMP/Molex MLX	9.86	8.77	8.11	7.01
693-5003.1411.1	5003.1411.1	L	15	Front/Rear Screw-on	AMP/Molex MLX	9.86	8.77	8.11	7.01
693-5003.1121.1	5003.1121.1	M	3	Rear Screw-on *	AMP/Molex MLX	9.86	8.77	8.11	7.01
693-5003.1221.1	5003.1221.1	M	6	Rear Screw-on *	AMP/Molex MLX	9.86	8.77	8.11	7.01
693-5003.1321.1	5003.1321.1	M	10	Rear Screw-on *	AMP/Molex MLX	9.86	8.77	8.11	7.01
693-5003.1421.1	5003.1421.1	M	15	Rear Screw-on *	AMP/Molex MLX	9.86	8.77	8.11	7.01
693-5003.0111.1	5003.0111.1	N	3	Front/Rear Screw-on	Molex HCS-125	9.41	8.37	7.74	6.69
693-5003.0211.1	5003.0211.1	N	6	Front/Rear Screw-on	Molex HCS-125	9.41	8.37	7.74	6.69
693-5003.0311.1	5003.0311.1	N	10	Front/Rear Screw-on	Molex HCS-125	9.41	8.37	7.74	6.69
693-5003.0411.1	5003.0411.1	N	15	Front/Rear Screw-on	Molex HCS-125	9.41	8.37	7.74	6.69

A

B

C

D

E

F

G

H

I

J

K

L

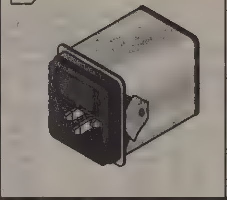
M

N

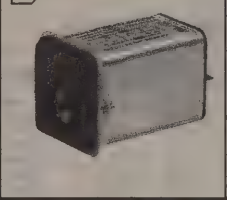
A

B

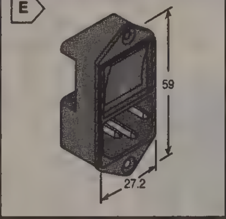
C



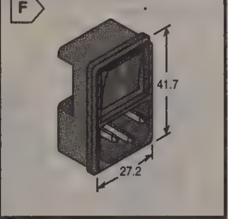
D



E



F



SCHURTER DF11 SERIES POWER ENTRY MODULES

Specifications:

- Two functions: Inlet protection class I, fuseholder circuit breaker type TA45 2-pole
- Qualified for use in equipment according IEC/EN 60950
- Rating: IEC 10A @ 250VAC, 60Hz; UL/CSA 1-15A @ 250VAC, 60Hz
- Housing material: Thermoplastic, black, UL 94V-0
- Panel mount
- Quick connect terminals 6.3 x 0.8 mm
- Thermal overload protection

RoHS Compliant

* Embossed Legend

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Protected Poles	Rated Current	Panel Thickness	Rocker Color	Rocker Legend	Price Each			
								1	25	50	100
693-DF111089001001	DF11.1089.0010.01	A	2	15 A	Screw terminals	Black	I - O Vertical	24.33	21.62	19.46	18.38
693-DF111089001002	DF11.1089.0010.02	A	2	15 A	Screw terminals	Black	I - O Vertical	24.33	21.62	19.46	18.38
693-DF111477001202	DF11.1477.0012.02	A	1	10 A	1.5 mm	Black	ON - OFF Vertical	20.35	18.09	16.29	15.38
693-DF112078001001	DF11.2078.0010.01	A	2	10 A	Screw terminals	Black	ON - OFF Vertical	24.33	21.62	19.46	18.38
693-DF11217300101	DF11.2173.0012.01	A	1	10 A	1.5 mm	Black	* I - O Vertical	20.35	18.09	16.29	15.38

SCHURTER DF12 SERIES POWER ENTRY MODULES WITH LINE FILTER

Specifications:

- Three functions: Inlet protection class I, fuseholder circuit breaker type TA45 2-pole, line filter in standard and medical version
- Qualified for use in equipment according IEC/EN 60950
- Rating: IEC 10 A @ Ta 40°C / 250VAC, 50Hz, UL/CSA 1-15A @ Ta 40°C / 250VAC, 60Hz
- Panel Mount
- Screw terminals
- Thermal overload protection
- Housing material: Thermoplastic, black, UL 94V-0

RoHS Compliant

* Embossed Legend

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Protected Poles	Rated Current	Rocker Color	Rocker Legend	Leakage Current	Price Each			
								1	25	50	100
693-DF12003191101	DF12.0031.9110.1	B	1	15 A	White	* I - O Vertical	Standard	38.26	34.01	30.61	28.91
693-DF12003193101	DF12.0031.9310.1	B	1	15 A	White	* I - O Vertical	Medical	38.26	34.01	30.61	28.91
693-DF12047073101	DF12.0470.7310.1	B	2	10 A	White	* I - O Vertical	Medical	42.47	37.75	33.97	32.08
693-DF12047093101	DF12.0470.9310.1	B	2	10 A	White	* I - O Vertical	Medical	42.47	37.75	33.97	32.08
693-DF12058651101	DF12.0586.5110.1	B	1	5 A	White	* I - O Vertical	Standard	38.26	34.01	30.61	28.91
693-DF12084753101	DF12.0847.5310.1	B	2	5 A	White	* I - O Vertical	Medical	42.47	37.75	33.97	32.08
693-DF12088591101	DF12.0885.9110.1	B	2	15 A	White	* I - O Vertical	Standard	42.47	37.75	33.97	32.08
693-DF12088593101	DF12.0885.9310.1	B	2	15 A	White	* I - O Vertical	Medical	42.47	37.75	33.97	32.08
693-DF12089093101	DF12.0890.9310.1	B	2	15 A	White	* I - O Vertical	Medical	42.47	37.75	33.97	32.08
693-DF12099153101	DF12.0991.5310.1	B	2	6 A	White	* I - O Vertical	Medical	42.47	37.75	33.97	32.08
693-DF12135641101	DF12.1356.4110.1	B	2	4 A	White	* I - O Vertical	Standard	42.47	37.75	33.97	32.08
693-DF12159373101	DF12.1593.7310.1	B	2	8 A	White	I - O Vertical	Medical	42.47	37.75	33.97	32.08
693-DF12277091101	DF12.2770.9110.1	B	1	15 A	Black	ON - OFF Vertical	Standard	38.26	34.01	30.61	28.91
693-DF12285191101	DF12.2851.9110.1	B	2	15 A	Orange	* I - O Vertical	Standard	50.95	45.29	40.76	38.50
693-DF12300093101	DF12.3000.9310.1	B	1	15 A	Black	* I - O Vertical	Medical	38.26	34.01	30.61	28.91
693-DF12341791101	DF12.3417.9110.1	B	2	13 A	Orange	* I - O Vertical	Standard	50.95	45.29	40.76	38.50

SCHURTER KFA SERIES POWER ENTRY MODULES WITH LINE FILTER

Specifications:

- Three functions: Inlet protection class I, fuseholder circuit breaker type TA45 2-pole, line filter in standard and medical version
- Qualified for use in equipment according IEC/EN 60950
- Rating: IEC 10 A @ Ta 40°C / 250VAC, 50Hz, UL/CSA 1-15A @ Ta 40°C / 250VAC, 60Hz
- Housing material: Thermoplastic, black, UL 94V-0
- Panel Mount
- Screw terminals
- Thermal overload protection

RoHS Compliant

Front Mount With Standard Filter

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Fuseholder	Price Each			
					1	25	50	100
693-4301.6011	4301.6011	C	1 A	1 pole	20.28	18.03	16.22	15.32
693-4301.6012	4301.6012	C	2 A	1 pole	20.28	18.03	16.22	15.32
693-4301.6013	4301.6013	C	4 A	1 pole	20.28	18.03	16.22	15.32
693-4301.6014	4301.6014	C	6 A	1 pole	20.28	18.03	16.22	15.32
693-4301.6015	4301.6015	C	10 A	1 pole	20.28	18.03	16.22	15.32
693-4301.6001	4301.6001	C	1 A	2 pole	20.47	18.19	16.37	15.46
693-4301.6002	4301.6002	C	2 A	2 pole	20.47	18.19	16.37	15.46
693-4301.6003	4301.6003	C	4 A	2 pole	20.47	18.19	16.37	15.46
693-4301.6004	4301.6004	C	6 A	2 pole	20.47	18.19	16.37	15.46
693-4301.6005	4301.6005	C	10 A	2 pole	20.47	18.19	16.37	15.46

Front Mount With Medical Filter

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Fuseholder	Price Each			
					1	25	50	100
693-4301.6201	4301.6201	C	1 A	2 pole	28.57	25.40	22.86	21.59
693-4301.6203	4301.6203	C	2 A	2 pole	28.57	25.40	22.86	21.59
693-4301.6205	4301.6205	C	4 A	2 pole	28.57	25.40	22.86	21.59

Rear Mount With Metal Flange and Standard Filter

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Fuseholder	Price Each			
					1	25	50	100
693-4301.7001	4301.7001	D	1 A	2 pole	27.22	24.06	21.66	20.45
693-4301.7002	4301.7002	D	2 A	2 pole	27.22	24.06	21.66	20.45
693-4301.7003	4301.7003	D	4 A	2 pole	27.22	24.06	21.66	20.45
693-4301.7004	4301.7004	D	6 A	2 pole	27.22	24.06	21.66	20.45
693-4301.7005	4301.7005	D	10 A	2 pole	27.22	24.06	21.66	20.45

SCHURTER KEB SERIES: AC INLETS WITH LINE SWITCH FOR PANEL MOUNT

Specifications:

- For "cold" connections 65°C
- Class I level of protection (with ground terminal); IEC320/C14
- Rating: UL/CSA/VDE - 10A/250V
- SPST or DPST switch (On-Off)
- Terminals: .187" quick connect
- Screw mount from front or rear, snap-in from front

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	No. of Poles (Switch)	Mounting Type	Price Each			
						1	25	50	100
693-4302.2001	4302.2001	E	6mm max.	2	Screw-on	10.48	9.30	8.37	7.91
693-4302.2002	4302.2002	F	2.0mm	2	Snap-in	10.48	9.30	8.37	7.91
Accessories for KEB									
693-0859.0075	0859.0075	-----	Insulation cover, flexible plastic PVC, for 2-pole KEB			2.00	1.77	1.61	1.51
693-0888.0004	0888.0004	-----	Cord retaining clamp for screw-on KEB			6.87	6.11	5.50	5.19

SCHURTER Power Entry Modules

SCHURTER
ELECTRONIC COMPONENTS

SCHURTER DD11 SERIES: AC INLETS WITH LINE SWITCH, FUSEHOLDER

Specifications:
- For "cold" connections 65°C
- Protection Class I
- Rating: UL/CSA 8A, ENEC 10A
- Screw-on mount from front
- Finger Grip & Extra Safe Fusedrawers available, ordered separately

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	No. of Poles Fuseholder/Switch	Illumination	Price Each			
						1	25	50	100
693-DD11.0111.1111	DD11.0111.1111	A	8 mm	1/2	None	9.17	8.15	7.34	6.93
693-DD11.0113.1111	DD11.0113.1111	A	8 mm	1/2	Red	10.55	9.38	8.44	7.97
693-DD11.0114.1111	DD11.0114.1111	A	8 mm	1/2	Green	10.55	9.38	8.44	7.97
693-DD11.0121.1111	DD11.0121.1111	A	8 mm	2/2	None	14.48	12.87	11.58	10.94
693-DD11.0123.1111	DD11.0123.1111	A	8 mm	2/2	Red	16.66	14.81	13.33	12.59
693-DD11.0124.1111	DD11.0124.1111	A	8 mm	2/2	Green	16.66	14.81	13.33	12.59

SCHURTER DD12 SERIES: AC INLETS WITH LINE SWITCH, FUSEHOLDER AND EMI/RFI FILTER

Specifications:
- For "cold" connections 65°C
- Protection Class I
- Rating: UL/CSA, ENEC 1-10A
- Screw-on mount from front
- Finger Grip & Extra Safe Fusedrawers available, ordered separately

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	No. of Poles Fuseholder/Switch	Filter	Price Each			
						1	25	50	100
693-DD12.1111.1111	DD12.1111.111	B	8 mm	1/2	Standard	21.70	19.29	17.36	16.39
693-DD12.2111.1111	DD12.2111.111	B	8 mm	1/2	Standard	21.70	19.29	17.36	16.39
693-DD12.4111.1111	DD12.4111.111	B	8 mm	1/2	Standard	21.70	19.29	17.36	16.39
693-DD12.6111.1111	DD12.6111.111	B	8 mm	1/2	Standard	21.70	19.29	17.36	16.39
693-DD12.9111.1111	DD12.9111.111	B	8 mm	1/2	Standard	21.70	19.29	17.36	16.39
693-DD12.1121.1111	DD12.1121.111	B	8 mm	1 or 2 /2	Standard	22.09	19.64	17.67	16.69
693-DD12.2121.1111	DD12.2121.111	B	8 mm	1 or 2 /2	Standard	22.09	19.64	17.67	16.69
693-DD12.4121.1111	DD12.4121.111	B	8 mm	1 or 2 /2	Standard	22.09	19.64	17.67	16.69
693-DD12.6121.1111	DD12.6121.111	B	8 mm	1 or 2 /2	Standard	22.09	19.64	17.67	16.69
693-DD12.9121.1111	DD12.9121.111	B	8 mm	1 or 2 /2	Standard	22.09	19.64	17.67	16.69
693-DD12.1321.1111	DD12.1321.111	B	8 mm	1 or 2 /2	Medical	24.84	22.08	19.87	18.76
693-DD12.2321.1111	DD12.2321.111	B	8 mm	1 or 2 /2	Medical	24.84	22.08	19.87	18.76
693-DD12.4321.1111	DD12.4321.111	B	8 mm	1 or 2 /2	Medical	24.84	22.08	19.87	18.76
693-DD12.6321.1111	DD12.6321.111	B	8 mm	1 or 2 /2	Medical	24.84	22.08	19.87	18.76
693-DD12.9321.1111	DD12.9321.111	B	8 mm	1 or 2 /2	Medical	24.84	22.08	19.87	18.76

SCHURTER 6200/6220 SERIES: AC INLETS WITH FUSEHOLDER

Specifications:
- For "cold" connections 70°C
- Class I level of protection (with ground terminal); IEC320/C14
- Rating: UL/CSA/VDE - 10A/250V
- 6200 fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1

Casing and fusedrawer combined, 5x20mm fuses sold separately.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	No. of Poles (Fuseholder)	Mounting Type	Terminal Type	Price Each			
						1	25	50	100
693-6200.2100	6200.2100	C	1	Screw-on	.138" solder	3.09	2.75	2.48	2.34
693-6200.4115	6200.4115	D	1	Snap-in	.138" solder, 1.5mm panel	3.09	2.75	2.48	2.34
693-6200.2200	6200.2200	C	1	Screw-on	.187" quick connect	3.09	2.75	2.48	2.34
693-6200.4215	6200.4215	D	1	Snap-in	.187" QC, 1.5mm panel	3.09	2.75	2.48	2.34
693-6200.2300	6200.2300	C	1	Screw-on	.250" quick connect	3.09	2.75	2.48	2.34
693-6200.4315	6200.4315	D	1	Snap-in	.250" QC, 1.5mm panel	3.09	2.75	2.48	2.34
693-6220.2100	6220.2100	E	2	Screw-on	.138" solder	6.52	5.80	5.22	4.93
693-6220.5115	6220.5115	F	2	Snap-in	.138" solder, 1.5mm panel	6.52	5.80	5.22	4.93
693-6220.2300	6220.2300	E	2	Screw-on	.250" quick connect	6.52	5.80	5.22	4.93
693-6220.5315	6220.5315	F	2	Snap-in	.250" QC, 1.5mm panel	6.52	5.80	5.22	4.93
Accessories									
693-0859.0047	0859.0047	-----			Insulation cover, flexible plastic PVC, UL 94V-0 rated	1.44	1.28	1.16	1.09
693-0888.0004	0888.0004	-----			Cord retaining clamp for screw-on 6200 and 6220	6.87	6.11	5.50	5.19

SCHURTER KM SERIES: AC INLETS WITH SWITCH AND FUSEHOLDER

Specifications:
- For "cold" connections 65°C
- Class I level of protection (with ground terminal); IEC320/C14
- Rating: UL/CSA/VDE - 10A/250V
- Medical fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1

* RoHS Compliant

Fusedrawers and casings must be ordered separately, 5X20mm fuses sold separately * RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	No. of Poles Fuseholder/Switch	Mounting Type	Price Each			
						1	25	50	100
Casing only without EMC Shield *									
693-KM00.1105.11	KM00.1105.11	G	1.5mm	2/2	Snap-in	13.05	11.60	10.43	9.86
693-KM00.1205.11	KM00.1205.11	G	2.0mm	1/2	Snap-in	8.52	7.57	6.82	6.44
Casing only with EMC Shield *									
693-KM01.1105.11	KM01.1105.11	G	1.5mm	2/2	Snap-in	14.91	13.26	11.93	11.27
693-KM01.1205.11	KM01.1205.11	G	2.0mm	1/2	Snap-in	9.94	8.84	7.96	7.52
Fusedrawers for KEA and KM Series					Description				
693-4301.1405	4301.1405	-----			Standard, 1-pole, black	1.70	1.49	1.35	1.28
693-4301.1407	4301.1407	-----			Medical, 1-pole, black	1.65	1.46	1.32	1.25
693-4301.1401	4301.1401	-----			Standard, 2-pole, black	2.77	2.45	2.21	2.09
693-4301.1403	4301.1403	-----			Medical, 2-pole, black	2.84	2.52	2.27	2.14
693-4301.1413	4301.1413	-----			Standard, 2-pole, black, with neutral side shorting bar	3.72	3.31	2.98	2.82
693-4301.1415	4301.1415	-----			Medical, 2-pole, black, with neutral side shorting bar	3.72	3.31	2.98	2.82

SCHURTER KP SERIES: PCB MOUNT POWER ENTRY MODULES

Specifications:
- For "cold" connections 65°C
- Panel thickness 1.5-2.0mm
- Class I level of protection (with ground terminal)
- Fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1
- 2 M3 self-tapping screws included with screw on mounting types
- Ratings: Inlet/Outlet & Inlet/Fusedrawer - UL/CSA/VDE - 10A/250V
  Inlet/Switch - UL/CSA - 15A/250V, VDE - 10A/250V

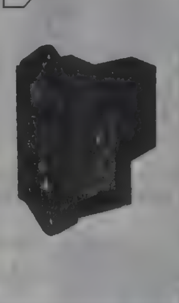
5X20mm fuses for fusedrawer types sold separately

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	No. of Poles (Fuseholder)	Mounting Type	Terminal Type	Price Each			
						1	25	50	100
693-KP01.1012.01	KP01.1012.01	H	——	Snap-in feet	AC inlet with AC outlet	5.17	4.59	4.13	3.90
693-KP01.1052.01	KP01.1052.01	H	——	Screw-on	AC inlet with AC outlet	5.49	4.88	4.39	4.15
693-KP01.1212.11	KP01.1212.11	I	1	Snap-in feet	AC inlet with on/off line switch	8.57	7.61	6.86	6.48
693-KP01.1252.11	KP01.1252.11	I	1	Screw-on	AC inlet with on/off line switch	8.95	7.96	7.17	6.77
693-KP01.1112.11	KP01.1112.11	I	2	Snap-in feet	AC inlet with on/off line switch	8.82	7.83	7.06	6.66
693-KP01.1152.11	KP01.1152.11	I	2	Screw-on	AC inlet with on/off line switch	9.21	8.18	7.36	6.95
693-KP01.1412.01	KP01.1412.01	J	1	Snap-in feet	AC inlet with fusedrawer	6.47	5.75	5.17	4.89
693-KP01.1452.01	KP01.1452.01	J	1	Screw-on	AC inlet with fusedrawer	7.01	6.24	5.61	5.29
693-KP01.1312.01	KP01.1312.01	J	2	Snap-in feet	AC inlet with fusedrawer	7.38	6.56	5.91	5.58
693-KP01.1352.01	KP01.1352.01	J	2	Screw-on	AC inlet with fusedrawer	7.85	6.97	6.28	5.92

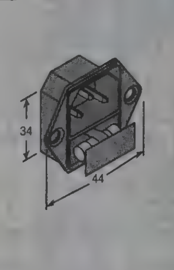
DIMENSIONS: mm

A



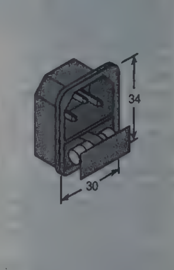
B

C



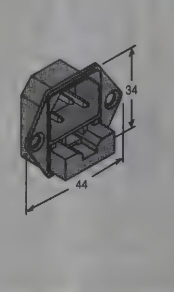
(Fuse not included)

D

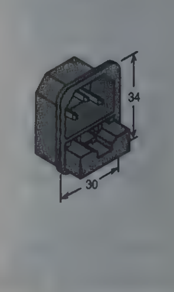


(Fuse not included)

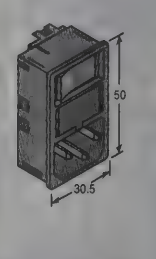
E



F

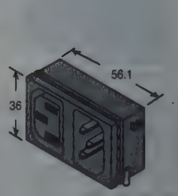


G

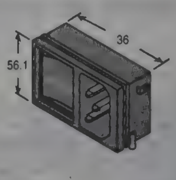


Shown w/o EMC shield

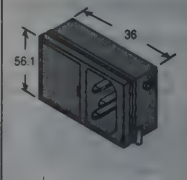
H



I



J



Fusedrawer meets medical standard IEC60-1

SCHURTER Power Entry Modules

SCHURTER
ELECTRONIC COMPONENTS

SCHURTER KEA SERIES: AC INLETS WITH FUSEHOLDER

Features:
- For "cold" connections 65°C
- Class I level of protection (with ground terminal); IEC320/C14
- Rating: UL/CSA/VDE - 10A/250V

Fusedrawers and casings must be ordered separately, 5X20mm fuses sold separately

Casing Only

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	No. of Poles (Fuseholder)	Mounting Type	Price Each			
						1	25	50	100
693-4301.0521	4301.0521	A	8mm max.	1	Screw-on	2.73	2.42	2.18	2.06
693-4301.0501	4301.0501	A	8mm max.	2	Screw-on	3.83	3.40	3.06	2.89
693-4301.0522	4301.0522	B	1.5mm	1	Snap-in	2.76	2.45	2.21	2.09
693-4301.0502	4301.0502	B	1.5mm	2	Snap-in	3.83	3.40	3.06	2.89

SCHURTER KE/KG SERIES: AC INLETS WITH VOLTAGE SELECTOR AND INTERCHANGEABLE FUSEDRAWER

Features:
- For "cold" connections 65°C
- Terminals: .187" quick connect
- 2-pole fusing type
- IP40 protection (front side)
- Class I level of protection (with ground terminal); IEC320/C14
- Voltage selector with series parallel connections and 4, 3, or 2 switch positions
- Rating: UL - 15A/250V, CSA/VDE - 10A/250V
- Medical fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1

5X20mm fuses sold separately. Fusedrawers and casings must be ordered separately.

Casing Only

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	Internal Connection	Mounting Type	Price Each			
						1	10	25	50
693-KE10.2100.105	KE10.2100.105	C	1.5mm	No	Snap-in	13.00	11.55	10.39	9.82
693-KE10.2100.151	KE10.2100.151	D	8mm max.	No	Screw-on	13.00	11.55	10.39	9.82
693-KE10.6100.151	KE10.6100.151	D	8mm max.	Yes	Screw-on	12.61	11.21	10.08	9.53
693-KG10.6101.105	KG10.6101.105	E	1.5mm	-----	Snap-in	18.67	16.59	14.94	14.10
693-KG10.6101.151	KG10.6101.151	F	8mm max.	-----	Screw-on	18.67	16.59	14.94	14.10

Accessories

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Description	Price Each			
			1	10	25	50
Fusedrawers & Voltage Selector Inserts for KE/KG						
693-4305.0048.01	4305.0048.01	Voltage selector insert marking 100/120/220/240	5.63	5.02	4.52	4.26
693-4305.0048.03	4305.0048.03	Voltage selector insert marking 110/220	5.63	5.02	4.52	4.26
693-4305.0048.05	4305.0048.05	Voltage selector insert marking 115/230	5.63	5.02	4.52	4.26
693-4305.0001	4305.0001	Fusedrawer for 5 x 20mm, 2-pole black	4.53	4.03	3.62	3.42
693-4305.0021	4305.0021	Fusedrawer, 5 x 20mm, 2-pole black, neutral shorting bar	5.82	5.17	4.65	4.41
693-4305.0012	4305.0012	Fusedrawer for _x1_, 2-pole gray	4.53	4.03	3.62	3.42
Insulation Covers for KE/KG Series						
693-0859.0076	0859.0076	Insulation cover, flexible plastic PVC, UL 94V-0 rated for KE	3.55	3.15	2.84	2.68
693-0859.0109	0859.0109	Insulation cover for KG	3.46	3.08	2.77	2.62

SCHURTER DC11/DC12 POWER ENTRY MODULES FOR HIGH CURRENT

Specifications:
- Rated Voltage: DC11 - 2500VAC; DC12 - 125/250VAC
- Appliance inlet according to IEC/EN 60320-1/C14
- Degree of Protection: IP40
- Terminals: DC11 - .187"QC; DC12 - .250"QC
- Switch Rating: 16A/250VAC - 10,000 switch operations; 10A/250VAC - 50,000 switch operations

Features:
- All single elements are already wired
- Qualified for use in equipment according to IEC/EN 60950
- Models with line filter have EMC shield

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Mounting Type	Panel Thickness	Line Switch		Price Each			
						No. of Poles	Illumination	1	10	25	50
Front Mount Without Line Filter											
693-DC11.0001.003	DC11.0001.003	G	12 A	Screw-on	-----	1	-----	7.56	6.72	6.05	5.71
693-DC11.0001.203	DC11.0001.203	G	12 A	Snap-in	1.5 mm	1	-----	7.56	6.72	6.05	5.71
693-DC11.0001.303	DC11.0001.303	G	12 A	Snap-in	2.0 mm	1	-----	7.56	6.72	6.05	5.71
693-DC11.0001.403	DC11.0001.403	G	12 A	Snap-in	2.5 mm	1	-----	7.56	6.72	6.05	5.71
693-DC11.0001.001	DC11.0001.001	G	12 A	Screw-on	-----	2	-----	7.95	7.07	6.37	6.01
693-DC11.0001.201	DC11.0001.201	G	12 A	Snap-in	1.5 mm	2	-----	7.95	7.07	6.37	6.01
693-DC11.0001.301	DC11.0001.301	G	12 A	Snap-in	2.0 mm	2	-----	7.95	7.07	6.37	6.01
693-DC11.0001.401	DC11.0001.401	G	12 A	Snap-in	2.5 mm	2	-----	7.95	7.07	6.37	6.01
693-DC11.0021.001	DC11.0021.001	G	12 A	Screw-on	-----	2	Red	9.78	8.69	7.82	7.39
693-DC11.0021.201	DC11.0021.201	G	12 A	Snap-in	1.5 mm	2	Red	9.78	8.69	7.82	7.39
693-DC11.0021.301	DC11.0021.301	G	12 A	Snap-in	2.0 mm	2	Red	9.78	8.69	7.82	7.39
693-DC11.0021.401	DC11.0021.401	G	12 A	Snap-in	2.5 mm	2	Red	9.78	8.69	7.82	7.39
Front Mount With Standard Line Filter											
*693-DC12.1102.003	DC12.1102.003	H	1 A	Screw-on	-----	1	-----	25.68	22.83	20.55	19.41
*693-DC12.2102.003	DC12.2102.003	H	2 A	Screw-on	-----	1	-----	25.68	22.83	20.55	19.41
*693-DC12.3102.003	DC12.3102.003	H	4 A	Screw-on	-----	1	-----	25.68	22.83	20.55	19.41
*693-DC12.4102.003	DC12.4102.003	H	6 A	Screw-on	-----	1	-----	25.68	22.83	20.55	19.41
*693-DC12.5102.003	DC12.5102.003	H	10 A	Screw-on	-----	1	-----	27.30	24.26	21.84	20.62
*693-DC12.1102.001	DC12.1102.001	H	1 A	Screw-on	-----	2	-----	26.94	23.95	21.55	20.35
*693-DC12.2102.001	DC12.2102.001	H	2 A	Screw-on	-----	2	-----	26.94	23.95	21.55	20.35
*693-DC12.3102.001	DC12.3102.001	H	4 A	Screw-on	-----	2	-----	26.94	23.95	21.55	20.35
*693-DC12.4102.001	DC12.4102.001	H	6 A	Screw-on	-----	2	-----	26.94	23.95	21.55	20.35
*693-DC12.5102.001	DC12.5102.001	H	10 A	Screw-on	-----	2	-----	28.63	25.45	22.91	21.63
Rear Mount With Metal Flange and Standard Filter											
693-DC12.1102.201	DC12.1102.201	I	1 A	Screw-on rear	-----	2	-----	30.73	23.25	20.92	19.76
693-DC12.2102.201	DC12.2102.201	I	2 A	Screw-on rear	-----	2	-----	30.73	23.25	20.92	19.76
693-DC12.3102.201	DC12.3102.201	I	4 A	Screw-on rear	-----	2	-----	30.73	23.25	20.92	19.76
693-DC12.4102.201	DC12.4102.201	I	6 A	Screw-on rear	-----	2	-----	30.73	23.25	20.92	19.76
693-DC12.5102.201	DC12.5102.201	I	10 A	Screw-on rear	-----	2	-----	32.66	24.71	22.23	21.01

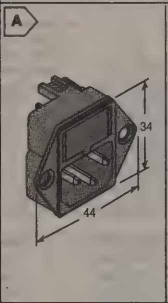
SCHURTER DC21/DC22 SERIES: PCB MOUNT, COMPACT POWER ENTRY MODULES

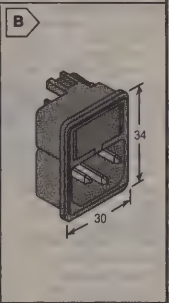
Specifications:
- Screw-on rear side panel mount
- Non-illuminated 2-pole switch
- Inrush current: 100A 3-4ms, 5 A continuous
- Switch and inlet pre-wired for 3-pin (L, N, & E) installation
- Qualified for use in equipment according to IEC/EN 60950
- Switch UL1054 rating: 20A @ 125VAC
- DC22 also available with medical version filter

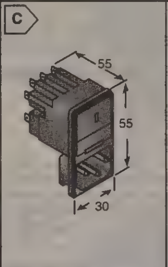
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Panel Thickness (max)	Description	Price Each			
						1	10	25	50
693-DC21.0021.1111	DC21.0021.1111	J	10 A	3.5mm	Switch and inlet only, covered	8.54	7.59	6.84	6.45
693-DC22.1121.111	DC22.1121.111	K	1 A	4.0mm	Switch and inlet with EMC filter	26.15	23.24	20.92	19.75
693-DC22.2121.111	DC22.2121.111	K	2 A	4.0mm	Switch and inlet with EMC filter	26.15	23.24	20.92	19.75
693-DC22.4121.111	DC22.4121.111	K	4 A	4.0mm	Switch and inlet with EMC filter	26.15	23.24	20.92	19.75
693-DC22.6121.111	DC22.6121.111	K	6 A	4.0mm	Switch and inlet with EMC filter	26.15	23.24	20.92	19.75
693-DC22.9121.111	DC22.9121.111	K	10 A	4.0mm	Switch and inlet with EMC filter	28.14	25.02	22.51	21.26

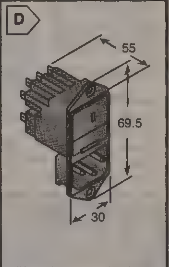
DIMENSIONS: mm



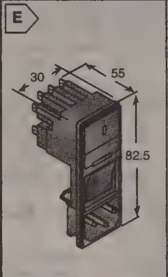




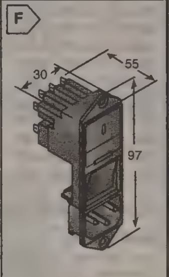
(Fusedrawer and voltage selector sold separately)

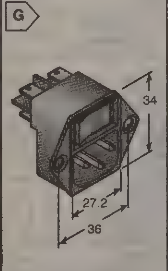


(Fusedrawer and voltage selector sold separately)

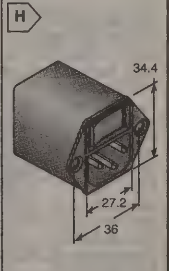


(Fusedrawer sold separately)

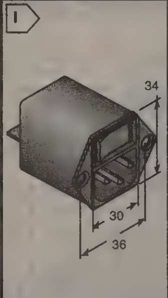


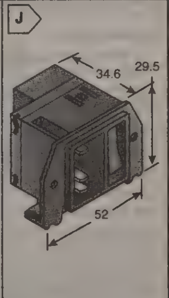


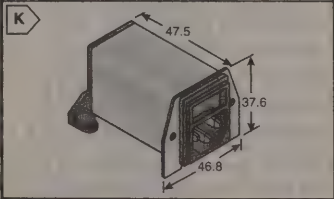
Screw Mount Shown



Screw Mount Shown







SCHURTER Power Entry Modules

SCHURTER
ELECTRONIC COMPONENTS

SCHURTER KD SERIES: POWER ENTRY MODULES

Specifications:
- For "cold" connections 65°C
- DPST switch (On-Off)
- IP40 protection (front side)
- Rating: UL/CSA/VDE - 10A/250V
- Terminals: .187" quick connect
- 2-pole fusing type with internal connections
- Class I level of protection (with ground terminal); IEC320/C14
- Medical fusedrawers meet requirements of tool only accessibility of medical standards IEC 601-1

5X20mm fuses sold separately. Fusedrawers and casings must be ordered separately.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	Voltage Selector	Mounting Type	Price Each			
						1	10	25	50
693-KD14.1101.105	KD14.1101.105	A	1.5mm	-----	Snap-in	16.46	14.64	13.17	12.44
693-KD14.1101.151	KD14.1101.151	B	8mm max.	-----	Screw-on	16.46	14.64	13.17	12.44
693-KD14.4101.105	KD14.4101.105	A	1.5mm	2-4 positions	Snap-in	17.48	15.54	13.99	13.20
693-KD14.4101.151	KD14.4101.151	B	8mm max.	2-4 positions	Screw-on	17.48	15.54	13.99	13.20
Accessories									
693-4303.2014.01	4303.2014.01	Standard 2-pole with voltage selector 100/120/220/240				5.02	4.47	4.03	3.80
693-4303.2024.01	4303.2024.01	Medical 2-pole with voltage selector 100/120/220/241				5.59	4.97	4.46	4.22
693-4303.2401	4303.2401	Standard 2-pole black				2.77	2.47	2.22	2.09
693-4303.2403	4303.2403	Medical 2-pole black				4.52	4.01	3.61	3.41
693-4303.2411	4303.2411	Standard 2-pole black with neutral side shorting bar				5.99	5.33	4.79	4.53
693-4303.2413	4303.2413	Medical 2-pole black with neutral side shorting bar				5.99	5.33	4.79	4.53
693-0859.0074	0859.0074	Insulation cover for KD				3.62	3.21	2.89	2.73

SCHURTER EF11/EF12 POWER ENTRY MODULES FOR HIGH CURRENT

Specifications:
- Rated Voltage: 125/250VAC
- No Release
- Circuit Breakers: EF11.ABT, EF12.ABT - 1-Pole Rocker Actuated; EF11.ABD, EF12.ABD - 2 Pole Rocker Actuated; EF11.A326 - 2-Pole Illuminated 220/240VAC

Features:
- All single elements are already wired
- Models with line filter have EMC shield
- Qualified for use in equipment according to IEC/EN 60950

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Mounting Type	Rocker Color	Rocker Legend	Price Each			
							1	10	25	50
With Circuit Breaker Type TA45										
693-EF110035.1001	EF11.ABTWF200C0.0010.01	C	20 A	Screw-on	White	Embossed -/O	19.09	16.97	15.27	14.42
693-EF110035.1201	EF11.ABTWF200C0.0012.01	C	20 A	Snap-in 1.5mm	White	Embossed -/O	19.09	16.97	15.27	14.42
693-EF111089.1001	EF11.ABDBL150C0.0010.01	C	15 A	Screw-on	Black	Printed -/O	21.81	19.39	17.45	16.48
693-EF112196.1001	EF11.ABDBL200C0.0010.01	C	20 A	Screw-on	Black	Printed -/O	21.81	19.39	17.45	16.48
693-EF112196.1301	EF11.ABDBL150C0.0013.01	C	15 A	Snap-in 2.0mm	Black	Printed -/O	21.81	19.39	17.45	16.48
693-EF112561.1001	EF11.A326K200C0.0010.01	C	20 A	Screw-on	Orange trans.	ON/OFF	27.30	24.27	21.84	20.63
693-EF112561.1201	EF11.A326K200C0.0012.01	C	20 A	Snap-in 1.5mm	Orange trans.	ON/OFF	27.30	24.27	21.84	20.63
With Standard Line Filter and Circuit Breaker Type TA45										
693-EF12034.211001	EF12.ABTWF160C0.2110.01	D	16 A	Screw-on	White	Embossed -/O	46.95	41.73	37.56	35.47
693-EF12035.111001	EF12.ABTWF200C0.1110.01	D	20 A	Screw-on	White	Embossed -/O	46.95	41.73	37.56	35.47
693-EF12572.111001	EF12.ABDWF200C0.1110.01	D	20 A	Screw-on	White	Embossed -/O	49.59	44.08	39.68	37.47
693-EF12699.211001	EF12.ABDWF160C0.2110.01	D	16 A	Screw-on	White	Embossed -/O	46.90	41.69	37.52	35.43

SCHURTER KFB SERIES: AC INLET WITH RFI LINE FILTER AND LINE SWITCH

Specifications:
- For "cold" connections 70° C.
- Terminals: .250" quick connect
- Screw mount from front or rear
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1
- Class I level of protection (with ground terminal); IEC320/C14
- Max. leakage current: Standard - <0.5mA; Medical - <5μA

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Switch Function	Price Each			
						1	10	25	50
With Standard RFI Filter									
693-4302.5311	4302.5311	E	1 A	10 mH	DPST On-Off	37.50	33.33	29.99	28.34
693-4302.5312	4302.5312	E	2 A	4 mH	DPST On-Off	37.50	33.33	29.99	28.34
693-4302.5313	4302.5313	E	4 A	1.5 mH	DPST On-Off	37.50	33.33	29.99	28.34
693-4302.5314	4302.5314	E	6 A	0.8 mH	DPST On-Off	37.50	33.33	29.99	28.34
693-4302.5315	4302.5315	E	10 A	0.3 mH	DPST On-Off	41.49	36.87	33.19	31.34
With Medical RFI Filter									
693-4302.5331	4302.5331	E	1 A	10 mH	DPST On-Off	37.50	33.33	29.99	28.34
693-4302.5335	4302.5335	E	4 A	1.5 mH	DPST On-Off	37.50	33.33	29.99	28.34
693-4302.5337	4302.5337	E	6 A	0.8 mH	DPST On-Off	37.50	33.33	29.99	28.34
693-4302.5339	4302.5339	E	10 A	0.3 mH	DPST On-Off	37.50	33.33	29.99	28.34
Accessories for KFB Series									
693-0888.0004	0888.0004	-----	Cord retaining clamp for KFB with SPST switch			6.87	6.11	5.50	5.19

SCHURTER DD21/DD22 SERIES: AC INLETS WITH LINE SWITCH

Specifications:
- For "cold" connections 65° C
- Protection Class I
- Screw-on PCB Mount
- Finger Grip & extra safe fusedrawers available, ordered separately

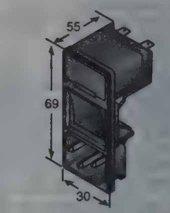
NEW FROM SUPPLIER

For quantities of 200 and up, call for quote.

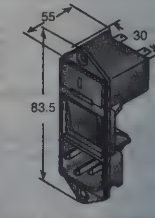
MOUSER STOCK NO.	Schurter Part No.	Fig.	Panel Thickness	Number of Poles (Fuseholder/Switch)	Description	Price Each			
						1	25	50	100
With Line Switch and Fuseholder • Ratings: UL/CSA - 8A, ENEC 10A									
693-DD21.0111.1111	DD21.0111.1111	F	8 mm	1/2	No Illumination	11.58	10.30	9.27	8.75
693-DD21.0113.1111	DD21.0113.1111	F	8 mm	1/2	Red Illumination	13.32	11.84	10.66	10.07
693-DD21.0114.1111	DD21.0114.1111	F	8 mm	1/2	Green Illumination	13.32	11.84	10.66	10.07
693-DD21.0121.1111	DD21.0121.1111	F	8 mm	2/2	No Illumination	18.29	16.26	14.63	13.82
693-DD21.0123.1111	DD21.0123.1111	F	8 mm	2/2	Red Illumination	21.03	18.69	16.82	15.89
693-DD21.0124.1111	DD21.0124.1111	F	8 mm	2/2	Green Illumination	21.03	18.69	16.82	15.89
With Line Switch, Fuseholder and EMI/RFI Filter • Ratings: UL/CSA, ENEC 1-10A									
693-DD22.1121.1111	DD22.1121.1111	G	8 mm	2	Standard Filter	27.82	24.73	22.25	21.02
693-DD22.2121.1111	DD22.2121.1111	G	8 mm	2	Standard Filter	27.82	24.73	22.25	21.02
693-DD22.4121.1111	DD22.4121.1111	G	8 mm	2	Standard Filter	27.82	24.73	22.25	21.02
693-DD22.6121.1111	DD22.6121.1111	G	8 mm	2	Standard Filter	27.82	24.73	22.25	21.02
693-DD22.9121.1111	DD22.9121.1111	G	8 mm	2	Standard Filter	27.82	24.73	22.25	21.02
693-DD22.1321.1111	DD22.1321.1111	G	8 mm	2	Medical Filter	31.27	27.79	25.01	23.62
693-DD22.2321.1111	DD22.2321.1111	G	8 mm	2	Medical Filter	31.27	27.79	25.01	23.62
693-DD22.4321.1111	DD22.4321.1111	G	8 mm	2	Medical Filter	31.27	27.79	25.01	23.62
693-DD22.6321.1111	DD22.6321.1111	G	8 mm	2	Medical Filter	31.27	27.79	25.01	23.62
693-DD22.9321.1111	DD22.9321.1111	G	8 mm	2	Medical Filter	31.27	27.79	25.01	23.62

DIMENSIONS: mm

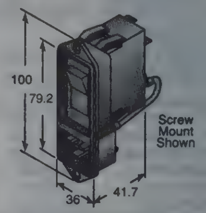
A



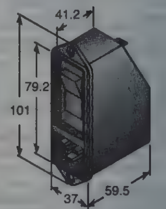
B



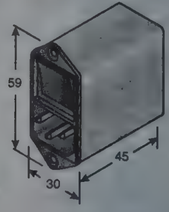
C



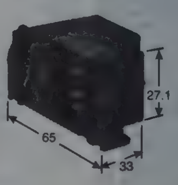
D



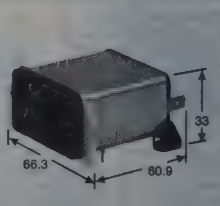
E



F



G



SCHURTER Power Entry Modules

SCHURTER
ELECTRONIC COMPONENTS

SCHURTER 5200/5220 SERIES: AC INLET WITH RFI LINE FILTER AND FUSEHOLDER

Specifications:

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Terminals: .250" quick connect
- Max. leakage current: Standard - <0.5mA; Medical - <5μA
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1
- **5X20mm fuses sold separately**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each			
						1	10	25	50
1-pole with Standard RFI Filter									
693-5200.0123.1	5200.0123.1	A	1 A	11 mH	Screw-on	22.82	20.28	18.26	17.24
693-5200.0143.1	5200.0143.1	B	1 A	11 mH	Snap-in	22.82	20.28	18.26	17.24
693-5200.0423.1	5200.0423.1	A	4 A	1.6 mH	Screw-on	22.82	20.28	18.26	17.24
693-5200.0623.1	5200.0623.1	A	6 A	0.7 mH	Screw-on	22.82	20.28	18.26	17.24
693-5200.0643.1	5200.0643.1	B	6 A	0.7 mH	Snap-in	22.82	20.28	18.25	17.24
693-5200.1023.1	5200.1023.1	A	10 A	0.4 mH	Screw-on	22.82	20.28	18.26	17.24
693-5200.1043.1	5200.1043.1	B	10 A	0.4 mH	Snap-in	22.82	20.28	18.25	17.24
2-pole with Standard RFI Filter									
693-5220.0143.1	5220.0143.1	D	1 A	11 mH	Snap-in	25.70	22.85	20.56	19.42
693-5220.0623.1	5220.0623.1	C	6 A	0.7 mH	Screw-on	25.70	22.85	20.56	19.42
1-pole with Medical RFI Filter									
693-5200.0443.3	5200.0443.3	B	4 A	1.6 mH	Snap-in	24.66	21.92	19.73	18.63
2-pole with Medical RFI Filter									
693-5220.0443.3	5220.0443.3	D	4 A	1.6 mH	Snap-in	27.54	24.48	22.04	20.81
693-5220.0643.3	5220.0643.3	D	6 A	0.7 mH	Snap-in	27.54	24.48	22.04	20.81
Accessories for 5200 and 5220 Series									
693-0888.0004	0888.0004	----	Cord retaining clamp for screw-on 5200 and 5220			6.87	6.11	5.50	5.19

SCHURTER KMF SERIES: AC INLETS WITH RFI LINE FILTER, SWITCH EMC SHIELD, AND FUSEHOLDER

Specifications:

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Terminals: .187" quick connect
- DPST switch (On-Off)
- Snap-in mounting from front
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1
- **5X20mm fuses sold separately**
- **Fusedrawers and casings must be ordered separately**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Fuseholder	Price Each			
						1	10	25	50
Casing with Standard RFI Filter									
693-KMF1.1211.11	KMF1.1211.11	E	1 A	11 mH	1-pole	21.39	19.01	17.11	16.16
693-KMF1.1261.11	KMF1.1261.11	E	6 A	0.7 mH	1-pole	21.39	19.01	17.11	16.16
693-KMF1.1291.11	KMF1.1291.11	E	10 A	0.4 mH	1-pole	21.39	19.01	17.11	16.16
693-KMF1.1111.11	KMF1.1111.11	E	1 A	11 mH	2-pole	23.64	21.01	18.91	17.86
693-KMF1.1161.11	KMF1.1161.11	E	6 A	0.7 mH	2-pole	23.64	21.01	18.91	17.86
693-KMF1.1191.11	KMF1.1191.11	E	10 A	0.4 mH	2-pole	23.64	21.01	18.91	17.86
Casing with Medical RFI filter									
693-KMF1.1123.11	KMF1.1123.11	E	6 A	0.7 mH	2-pole	27.03	24.02	21.62	20.41
693-KMF1.1193.11	KMF1.1193.11	E	10 A	0.4 mH	2-pole	27.03	24.02	21.62	20.41
Fusedrawers for KMF series									
693-4301.1405	4301.1405		Standard, 1-pole, black			1.70	1.49	1.35	1.28
693-4301.1407	4301.1407		Medical, 1-pole, black			1.65	1.46	1.32	1.25
693-4301.1401	4301.1401		Standard, 2-pole, black			2.77	2.45	2.21	2.09
693-4301.1403	4301.1403		Medical, 2-pole, black			2.84	2.52	2.27	2.14
693-4301.1413	4301.1413		Standard, 2-pole, black, w/ neutral side shorting bar			3.72	3.31	2.98	2.82
693-4301.1415	4301.1415		Medical, 2-pole, black, w/ neutral side shorting bar			3.72	3.31	2.98	2.82

SCHURTER GRF4 SERIES: AC INLETS WITH RFI LINE FILTER AND EMI SHIELD

Specifications:

- For "cold" connections 70° C.
- Class I level of protection (with ground terminal); IEC320/C14
- Terminals: .187" quick connect
- Max. leakage current: Standard - <0.5mA; Medical - <5μA
- Metal shield safeguards equipment against radiated EMI.
- Snap-in design allows pre-wiring before mounting
- Flexible steel claws make multiple contact points on the panel to ensure shield integrity
- Medical units qualify for use in equipment with safety requirements according to IEC 601-1

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current	Inductance	Mounting Type	Price Each			
						1	10	25	50
With Standard RFI Filter									
693-GRF4.0417.013	GRF4.0417.013	F	10 A	0.225 mH	Snap-in	12.70	11.29	10.16	9.59
693-GRF4.0419.013	GRF4.0419.013	F	15 A	.075 mH	Snap-in	12.70	11.29	10.16	9.59
With Medical RFI filter									
693-GRF4.0027.013	GRF4.0027.013	F	10 A	0.225 mH	Snap-in	12.70	11.29	10.16	9.59
693-GRF4.0029.013	GRF4.0029.013	F	15 A	.075 mH	Snap-in	12.70	11.29	10.16	9.59

SCHURTER PEM45 SERIES: AC INLET WITH THERMAL CIRCUIT BREAKER AND RFI FILTER

Specifications:

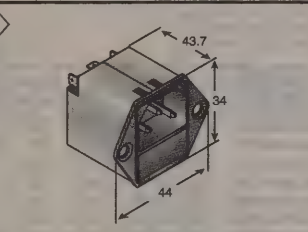
- AC inlet according to IEC 60320/C14
- Manual reset 2-pole white rocker switch with embossed I/O legend
- IP40 degree of protection on front side
- Screw-on panel mount
- Max. leakage current: Standard - <0.5mA; Medical - <5μA
- Terminals: .250" quick connect

For quantities of 100 and up, call for quote.

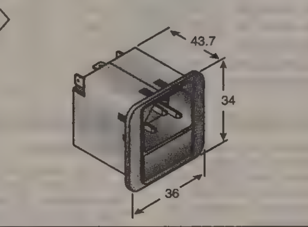
MOUSER STOCK NO.	Schurter Part No.	Fig.	Rated Current CB/Filter	Thermal Overload Protection	Filter Induction	Price Each			
						1	10	25	50
With Standard RFI Filter									
693-5-ABTWF050C0-511	5-ABTWF050C0-511	G	5 A/6 A	1-pole	0.7 mH	29.20	25.96	23.36	22.06
693-5-ABTWF150C0-811	5-ABTWF150C0-811	G	15 A/15 A	1-pole	0.1 mH	29.20	25.96	23.36	22.06
693-5-ABDWF050C0-511	5-ABDWF050C0-511	G	5 A/6 A	2-pole	0.7 mH	32.41	28.81	25.93	24.49
693-5-ABDWF150C0-811	5-ABDWF150C0-811	G	15 A/15 A	2-pole	0.1 mH	32.41	28.81	25.93	24.49
With Medical RFI Filter									
693-5-ABTWF050C0-531	5-ABTWF050C0-531	G	5 A/6 A	1-pole	0.7 mH	29.20	25.96	23.36	22.06
693-5-ABTWF150C0-831	5-ABTWF150C0-831	G	15 A/15 A	1-pole	0.1 mH	29.20	25.96	23.36	22.06
693-5-ABDWF050C0-531	5-ABDWF050C0-531	G	5 A/6 A	2-pole	0.7 mH	32.41	28.81	25.93	24.49
693-5-ABDWF150C0-831	5-ABDWF150C0-831	G	15 A/15 A	2-pole	0.1 mH	32.41	28.81	25.93	24.49

DIMENSIONS (mm)

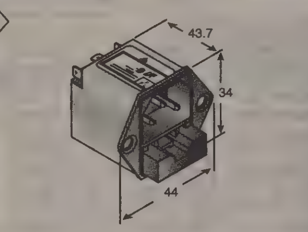
A



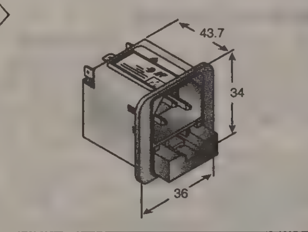
B



C

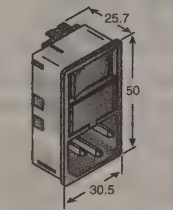


D



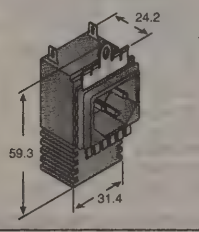
E

(overall depth= 40.35mm)

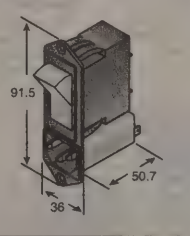


(Fusedrawer sold separately)

F



G



QUALTEK EMI Power Line Filters

MULTI-PURPOSE FILTERS

A compact filter providing noise suppression in industrial environments.

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Circuit Diagram	Amp Rating	DIMENSIONS: in.			Price Each		
					L	W	H	1	10	25
562-848-03/1	848-03/001	A	AA	3	3.25	1.90	1.15	11.09	10.08	9.25
562-848-06/2	848-06/002	A	AA	6	3.75	2.06	1.54	15.61	14.19	12.87
562-848-10/3	848-10/003	A	AA	10	3.75	2.06	1.54	15.61	14.19	12.87
562-848-20/4	848-20/004	A	BB	20	5.25	3.40	1.54	25.76	23.41	21.47
562-849-03/1	849-03/001	A	CC	3	3.25	1.90	1.15	10.00	9.09	8.34
562-849-06/2	849-06/002	A	CC	6	3.75	2.06	1.54	12.60	11.45	10.45
562-849-10/3	849-10/003	A	CC	10	3.75	2.06	1.54	13.45	12.20	11.20
562-849-20/4	849-20/004	A	DD	20	5.25	3.40	1.54	21.65	19.70	18.20
562-850-03/1	850-03/001	A	EE	3	3.25	1.90	1.15	12.00	10.90	10.00
562-850-06/2	850-06/002	A	EE	6	3.75	2.06	1.54	16.30	14.85	13.60
562-850-10/3	850-10/003	A	EE	10	3.75	2.06	1.54	13.50	12.30	11.30
562-850-20/4	850-20/004	A	FF	20	5.25	3.40	1.54	24.85	22.60	20.70

GENERAL PURPOSE COMMON MODE FILTERS

Designed to economically suppress line-to-ground interference and built to meet or exceed most international safety agency standards and requirements.

Specifications:

- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .25mA; @ 250VAC 50Hz: .45mA
- Rated voltage: 115/250/VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

RoHS Compliant

Use Circuit Diagram GG

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Induct-ance	Rated Current @ 250VAC	DIMENSIONS: in			Price Each		
					H	L	W	1	25	50
562-851-02/1	851-02/001	B	1.1mH	2A	.65	2.54	2.15	5.29	4.96	4.80
562-851-03/3	851-03/003	B	2.8mH	3A	.77	2.50	2.54	6.44	6.03	5.84
562-851-03/4	851-03/004	C	2.8mH	3A	.77	2.50	1.33	6.07	5.69	5.50
562-851-05/5	851-05/005	B	2.9mH	5A	.77	2.50	2.54	5.95	5.57	5.39
562-851-05/6	851-05/006	C	2.9mH	5A	.77	2.50	1.33	6.50	6.10	5.89
562-851-10/7	851-10/007	B	1.5mH	10A	1.18	2.50	2.54	7.69	7.21	6.96
562-851-10/9	851-10/009	D	1.5mH	10A	1.18	2.77	3.10	10.35	9.70	9.38
562-851-20/11	851-20/011	D	0.7mH	20A	1.15	2.77	3.37	11.42	10.71	10.35

MEDICAL FILTERS

Provide effective EMI suppression on line-to-ground (common mode) and low frequency line-to-line (differential mode) noise while saving space and reducing cost.

Specifications:

- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .2mA; @ 250VAC 50Hz: .4mA
- Rated voltage: 115/250/VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

RoHS Compliant

Use Circuit Diagram HH

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Induct-ance	Rated Current @ 250VAC	DIMENSIONS: in			Price Each		
					H	L	W	1	25	50
562-857-01/37	857-01/037	E	5.0mH	1A	.82	2.10	2.05	4.20	3.93	3.80
562-857-03/38	857-03/038	E	1.8mH	3A	.82	2.10	2.05	5.07	4.75	4.59
562-857-06/39	857-06/039	E	.6mH	6A	.82	2.10	2.05	4.20	3.93	3.80
562-857-10/40	857-10/040	E	.18mH	10A	.82	2.10	2.05	4.32	4.04	3.91

GENERAL PURPOSE IEC CONNECTOR FILTERS

Provide effective EMI suppression on line-to-ground (common mode) and low frequency line-to-line (differential mode) noise while saving space and reducing cost.

Specifications:

- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .2mA; @ 250VAC 50Hz: .4mA
- Rated voltage: 115/250/VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

RoHS Compliant

Use Circuit Diagram GG

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Induct-ance	Rated Current @ 250VAC	DIMENSIONS: in			Price Each		
					H	L	W	1	25	50
562-857-01/5	857-01/005	E	5mH	1A	.88	2.10	2.06	4.34	4.07	3.93
562-857-01/46	857-01/046	F	5mH	1A	.88	1.50	1.58	5.41	5.07	4.91
562-857-03/17	857-03/017	E	1.8mH	3A	.88	2.10	2.06	4.34	4.07	3.93
562-857-03/47	857-03/047	F	2.3mH	3A	.88	1.67	1.58	5.41	5.07	4.91
562-857-06/27	857-06/027	E	.6mH	6A	.88	2.10	2.06	4.34	4.07	3.93
562-857-06/48	857-06/048	F	.6mH	6A	.88	1.67	1.68	5.41	5.07	4.91
562-857-10/33	857-10/033	E	.18mH	10A	.88	2.10	2.06	5.06	4.75	4.58
562-857-10/49	857-10/049	F	.18mH	10A	.88	1.55	1.99	6.83	6.41	6.20

HIGH PERFORMANCE IEC CONNECTOR FILTERS

Provide effective EMI suppression of line-to-ground and low frequency line-to-line noise.

Specifications:

- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .25mA; @ 250VAC 50Hz: .45mA
- Rated voltage: 115/250/VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

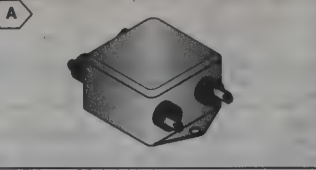
RoHS Compliant

Use Circuit Diagram GG

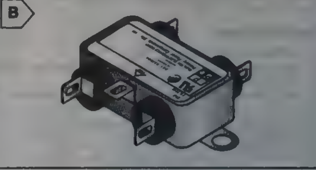
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Induct-ance	Rated Current @ 250VAC	DIMENSIONS: in			Price Each		
					H	L	W	1	25	50
562-858-01/3	858-01/003	E	6.5mH	1A	.88	2.12	1.58	4.80	4.50	4.35
562-858-03/7	858-03/007	E	2.5mH	3A	.88	2.12	1.58	4.80	4.50	4.35
562-858-06/11	858-06/011	E	.8mH	6A	.88	2.12	1.58	4.80	4.50	4.35
562-858-10/15	858-10/015	E	.2mH	10A	.88	2.12	1.58	4.80	4.50	4.35

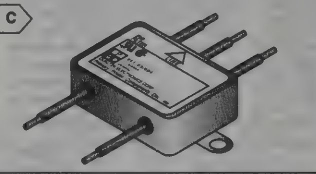
A



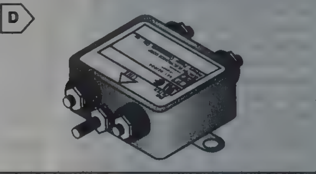
B



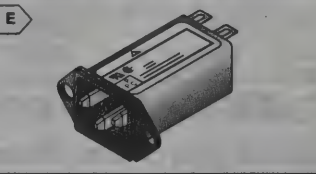
C



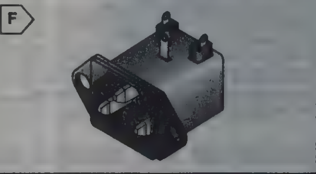
D



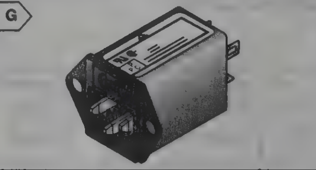
E



F

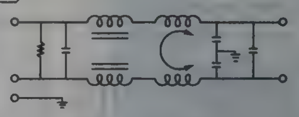


G

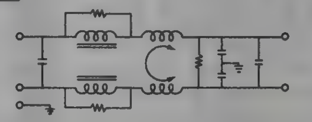


Circuit Diagrams

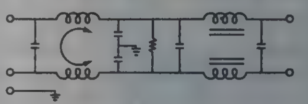
AA



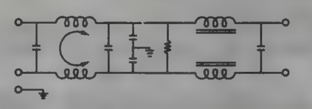
BB



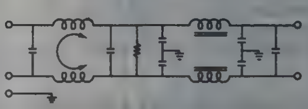
CC



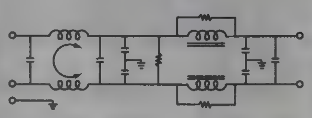
DD



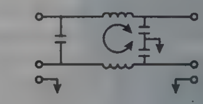
EE



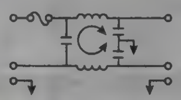
FF



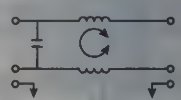
GG



HH



II



GENERAL PURPOSE FUSED IEC CONNECTOR FILTERS

Designed for one 5mm x 20mm fuse and a spare fuse with a safety interlock that prevents fuse removal with power cord inserted.

Specifications:

- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .25mA; @ 250VAC 50Hz: .45mA
- Rated voltage: 115/250/VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

RoHS Compliant

Use Circuit Diagram II

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Inductance	Rated Current @ 250VAC	DIMENSIONS: in			Price Each		
					H	L	W	1	25	50
562-860-02/1	860-02/001	G	2.4mH	2A	1.29	2.54	1.73	10.88	10.20	9.86
562-860-04/3	860-04/003	G	2.8mH	4A	1.29	2.23	1.73	10.88	10.20	9.86
562-860-06/5	860-06/005	G	1.3mH	6A	1.29	2.54	1.73	10.88	10.20	9.86

QUALTEK EMI Power Line Filters

861 SERIES MULTI-FUNCTION MODULE FILTERS

A multi-function power entry module filter that incorporates an IEC connector, a single fuse holder (6.3 x 32) and a voltage selector switch providing space savings.

- UL 125/250 @ 15A CSA 125/250 @ 6A

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Electrical Schematic Fig.	Amp Rating	Dimensions: In.			Price Each		
					L	W	H	1	10	25
562-861-06/1	861-06/001	A	1	6	1.17	2.68	1.87	14.15	12.85	11.78

862 SERIES MULTI-FUNCTION MODULE FILTERS

A multi-function power entry module filter that incorporates an IEC connector, a fuse holder with optional power on/off switch, and voltage selector switch.

- With IEC Connector
- With Fuse Holder

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Electrical Schematic Fig.	Amp Rating 115-250	Dimensions: In.			Power Switch	Voltage Selector	Price Each		
					L	W	H			1	10	25
562-862-06/1	862-06/001	B	2	6	2.65	2.24	1.15	No	No	14.15	12.85	11.78
562-862-06/2	862-06/002	B	2	6	2.65	2.38	1.15	SP	No	16.25	14.80	13.50
562-862-06/3	862-06/003	B	3	6-4	2.65	2.38	1.15	DP	No	18.21	16.50	15.10
562-862-06/7	862-06/007	B	4	6	2.65	2.24	1.15	No	Yes	20.00	18.15	16.65

864 SERIES MULTI-FUNCTION MODULE FILTERS

Effectively suppress EMI noise, both line-to-ground (common mode) and line-to-line (differential mode) for general applications. Compact design provides significant savings in space and cost compared with individual components.

Note: 5 x 20mm Fuse sold separately

Specifications:

- Maximum leakage current each line-to-ground @ 115VAC 60Hz: .25mA
  @ 250VAC 50Hz: .45mA
- Rated voltage: 115/250/VAC
- Hipot rating (one minute) line-to-ground: 2250VDC; line-to-line: 1450VDC
- Operating frequency: 50-60Hz

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Electrical Schematic Fig.	Inductance	Rated Current @ 250VAC	Dimensions: In.			Price Each		
						L	W	H	1	25	50
562-864-03/1	864-03/001	C	5	8.0mH	3A	2.58	3.51	1.99	24.93	23.37	22.59
562-864-03/3	864-03/003	C	5	8.0mH	3A	2.58	3.51	1.99	24.93	23.37	22.59
562-864-06/5	864-06/005	C	5	2.5mH	6A	2.58	3.51	1.99	24.93	23.37	22.59
562-864-06/7	864-06/007	C	5	2.5mH	6A	2.58	3.51	1.99	24.93	23.37	22.59
562-864-10/9	864-10/009	C	5	1.6mH	10A	2.58	3.51	1.99	24.93	23.37	22.59
562-864-10/11	864-10/011	C	5	1.6mH	10A	2.58	3.51	1.99	24.93	23.37	22.59

880 SERIES MULTI-FUNCTION MODULE FILTERS

A multi-function power entry module filter that incorporates an IEC connector, double pole power switch, voltage selector switch, and optional single or double fuse holder (5 x 20) offering space savings.

- With IEC Connector
- Voltage Selector: No
- Power Switch: DP (UL/CSA 125/250 VAC 10A VDE 250VAC 4A)

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Electrical Schematic Fig.	Amp Rating 115-250	Dimensions: In.			Fuse Holder	Price Each		
					L	W	H		1	10	25
562-880-01/1	880-01/001	D	6	1	2.46	1.97	2.34	Double	14.85	13.50	12.35
562-880-01/4	880-01/004	D	7	1	2.46	1.97	2.34	Single	15.50	14.10	12.90
562-880-03/2	880-03/002	D	6	3	2.46	1.97	2.34	Double	15.30	13.90	12.70
562-880-03/5	880-03/005	D	7	3	2.46	1.97	2.34	Single	13.25	12.00	11.10
562-880-06/3	880-06/003	D	6	6	2.46	1.97	2.34	Double	14.20	12.90	11.60
562-880-06/6	880-06/006	D	7	6	2.46	1.97	2.34	Single	14.80	13.45	12.30

882 SERIES COMPACT SNAP-IN MULTI-FUNCTION MODULE FILTERS

- With IEC Connector
- Power Switch: DP
- Voltage Selector: Yes

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Electrical Schematic Fig.	Amp Rating 115-250	Dimensions: In.			Fuse Holder	Price Each		
					L	W	H		1	10	25
562-882-03/1	882-03/001	E	8	3/3	2.16	1.28	2.28	Double	22.10	20.85	20.00
562-882-03/3	882-03/003	E	8	3/3	2.16	1.28	2.28	Single	22.10	20.85	20.00
562-882-06/11	882-06/011	E	8	6/6	2.16	1.28	2.28	Double	22.10	20.85	20.00
562-882-06/13	882-06/013	E	8	6/6	2.16	1.28	2.28	Single	22.10	20.85	20.00
562-882-10/16	882-10/016	E	8	10/6	2.16	1.28	2.28	Double	22.10	20.85	20.00
562-882-10/18	882-10/018	E	8	10/6	2.16	1.28	2.28	Single	22.10	20.85	20.00

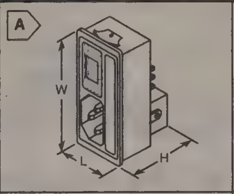
883 SERIES COMPACT SCREW MOUNT MULTI-FUNCTION MODULE FILTERS

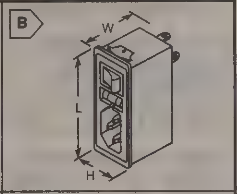
- With IEC Connector
- Power Switch: DP
- Voltage Selector: Yes

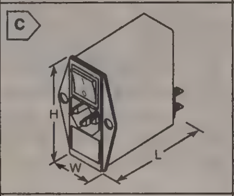
RoHS Compliant

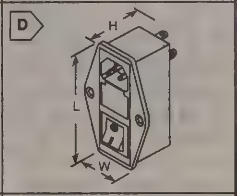
For quantities of 50 and up, call for quote.

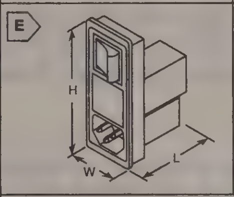
MOUSER STOCK NO.	Qualtek Part No.	Fig.	Electrical Schematic Fig.	Amp Rating	Dimensions: In.			Fuse Holder	Price Each		
					L	W	H		1	10	25
562-883-03/1	883-03/001	F	8	3/3	2.16	1.28	2.28	Double	21.40	20.15	19.45
562-883-03/3	883-03/003	F	8	3/3	2.16	1.28	2.28	Single	21.40	20.15	19.45
562-883-06/11	883-06/011	F	8	6/6	2.16	1.28	2.28	Double	21.40	20.15	19.45
562-883-06/13	883-06/013	F	8	6/6	2.16	1.28	2.28	Single	21.40	20.15	19.45
562-883-10/16	883-10/016	F	8	10/6	2.16	1.28	2.28	Double	23.75	22.35	21.50
562-883-10/18	883-10/018	F	8	10/6	2.16	1.28	2.28	Single	23.75	22.35	21.50

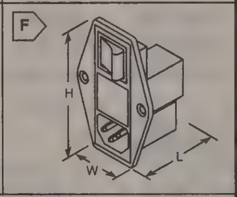
A


B


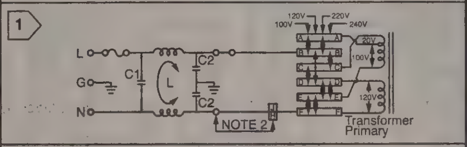
C


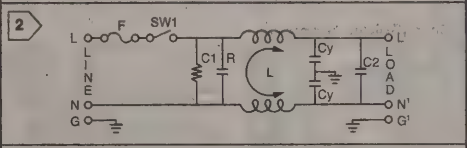
D


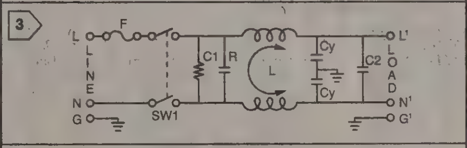
E


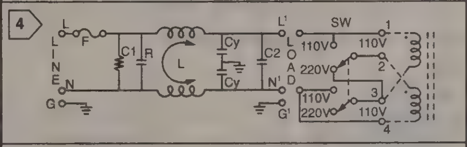
F


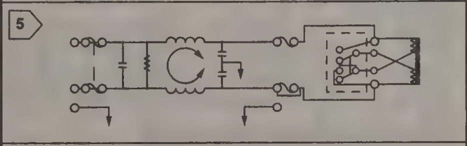
Electrical Schematic

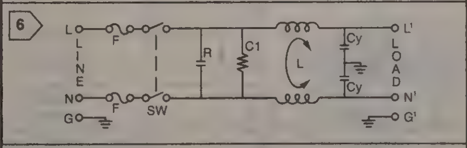
1


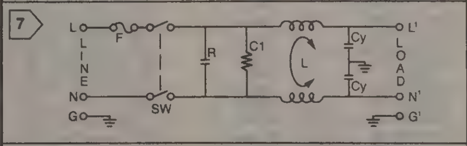
2


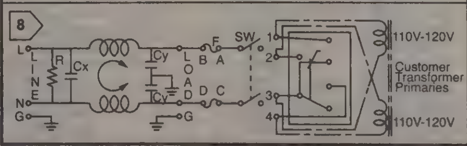
3


4


5


6


7


8


KOBICONN DC Power and Custom Molding Plugs

DC POWER PLUGS

.7mm Solder Terminals

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
171-3218-EX	B	Barrel 0.7mm x 2.35mm x 9.5mm, black, 2A@3.15VDC	1.22	1.01	.92	.83
171-3118-EX	C	Barrel 0.7mm x 2.35mm x 9.5mm, R/A black, 2A@3.15VDC	1.18	.99	.89	.81

1.3mm Solder Terminals

For quantities of 1000 and up, call for quote.

1710-1332	D	Barrel 1.3mm x 3.5mm x 5mm, black locking detent,1A@50VDC	1.07	.82	.74	.69
171-3209	E	Barrel 1.3mm x 3.5mm x 9.1mm, blk locking detent,1A@12VDC	1.08	.83	.66	.57
171-3224-EX	F	Barrel 1.3mm x 3.4mm x 9mm, blk lkg detent R/A,0.5A@12VDC	1.11	.86	.78	.71
171-PA35135-E	B	Barrel 1.3mm x 3.5mm x 9.1mm, black w/relief, 0.5A@12VDC	1.04	.80	.73	.66
171-PA35135-1-E	D	Barrel 1.3mm x 3.5mm x 9.1mm, black, 0.5A@12VDC	1.04	.80	.73	.66
17PP200-EX	D	Barrel 1.3mm x 3.4mm x 9mm, black, 0.5A@12VDC	1.10	.84	.77	.70
171-3210-E	B	Barrel 1.3mm x 3.4mm x 8.9mm, black w/ relief, 2A@12VDC	1.10	.84	.77	.70

1.4mm Male DC Power Plug

- Mates with most laptop computers

For quantities of 1000 and up, call for quote.

171-6014-E	A	Barrel 1.4mm x 3.4mm x 6.5mm x 9mm, black use with 163-2243, 5A@18VDC	1.16	.89	.81	.74

1.7mm Solder Terminals

For quantities of 1000 and up, call for quote.

171-3219-EX	B	Barrel 1.7mm x 4.0mm x 9.5mm, black, 2A@3.15V-6.3VDC	1.09	.91	.82	.75
171-3220-EX	B	Barrel 1.7mm x 4.75mm x 9.5mm, black, 2A@6.3V-10.5VDC	1.09	.91	.82	.75
171-3221-EX	C	Barrel 1.7mm x 4.0mm x 9.5mm R/A black, 2A@6.3VDC	1.18	.99	.89	.81
171-3222-EX	C	Barrel 1.7mm x 4.75mm x 9.5mm R/A black, 2A@10.5VDC	1.18	.99	.89	.81

2.1mm Solder Terminals

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
1710-2132	G	Barrel 2.1mm x 5.5mm x 7.5mm black locking, 1A@12VDC	.80	.62	.56	.51
171-PA5521-1-E	G	Barrel 2.1mm x 5.5mm x 9.9mm, black, 0.5A@12VDC	1.04	.80	.73	.66
171-2122-EX	G	Barrel 2.1mm x 5.5mm x 14.0mm, gray, 0.5A@12VDC	.88	.59	.54	.49
1710-2110	G	Barrel 2.1mm x 5.5mm x 9mm, black, 1.5A@24VDC	.87	.67	.61	.55
171-PA5521A-E	G	Barrel 2.1mm x 5.5mm x 14.0mm, black, 0.5A@12VDC	1.04	.80	.73	.66
171-PA5521-1GY-E	H	Barrel 2.1mm x 5.5mm x 9.5mm, gray, 1.5A@24VDC	1.23	.94	.86	.78
171-PA5521B-1-E	H	Barrel 2.1mm x 5.5mm x 9.5mm black locking, 1A@50VDC	1.23	.94	.86	.78
171-3215-EX	I	Barrel 2.1mm x 5.5mm x 9.5mm, R/A black, 0.5A@12VDC	.83	.64	.58	.53
171-3217-EX	B	Barrel 2.1mm x 5.5mm x 9.5mm, black w/ relief, 0.5A@12VDC	1.08	.90	.82	.74
171-PA5521-E	B	Barrel 2.1mm x 5.5mm x 9.5mm, black w/ relief, 1A@50VDC	1.04	.80	.73	.66
171-0721-EX	J	Locking, use with 161-0721 and 163-1000 only, 0.5A@12VDC	1.44	1.11	1.00	.92
171-7391	K	Ring lock, Barrel 2.1mm x 5.5mm x 9.5mm use/w 163-7421	3.52	2.94	2.67	2.43

2.5mm Solder Terminals

For quantities of 1000 and up, call for quote.

1710-2532	G	Barrel 2.5mm x 5.5mm x 7.5mm black locking, 1A@12VDC	.80	.62	.56	.51
171-PA5525-1GY-E	G	Barrel 2.5mm x 5.5mm x 9.9mm, gray, 0.5A@12VDC	1.27	.98	.89	.81
171-PA5525-1-E	G	Barrel 2.5mm x 5.5mm x 9.9mm, black, 0.5A@12VDC	1.23	.94	.86	.78
171-3225	L	Barrel 2.5mm x 5.5mm x 9.9mm, nickel pltd brass	1.39	1.07	.98	.87
1710-2510	H	Barrel 2.5mm x 5.5mm x 9.5mm black, 1.5A@24VDC	.87	.67	.61	.55
1710-2511	H	Barrel 2.5mm x 5.5mm x 9.5mm, gray, 1.5A@24VDC	.87	.67	.61	.55
171-PA5525B-1-E	H	Barrel 2.5mm x 5.5mm x 9.5mm black locking, 1A@50VDC	1.23	.94	.86	.78
171-PA5525A-1-E	G	Barrel 2.5mm x 5.5mm x 14.0mm, black, 0.5A@12VDC	1.04	.80	.73	.66
171-3216-EX	I	Barrel 2.5mm x 5.5mm x 9.5mm, R/A black, 0.5A@12VDC	.83	.64	.58	.53
171-0702-EX	B	Barrel 2.5mm x 5.5mm x 9.5mm, black w/ relief, 1A@12VDC	1.08	.90	.82	.74
171-PA5525-E	B	Barrel 2.5mm x 5.5mm x 9.5mm, black w/ relief, 1A@50VDC	1.04	.80	.73	.66
171-0725-EX	J	Locking, use with 161-0725 and 163-1100 only, 1A@12VDC	1.33	.99	.93	.85
171-7395	K	Ring lock, Barrel 2.5mm x 5.5mm x 9.5mm use/w 163-7425	3.52	2.94	2.67	2.43
171-MP214-E	M	Barrel 2.5mm x 5.5mm x 12.7mm, low voltage 13.5VDC 2A Mates with 163-510DJ	1.96	1.51	1.16	.89

CUSTOM MOLDING PLUGS

Features:

- Nickel plated brass contacts
- Ideal for molding to your cable

For quantities of 1000 and up, call for quote.

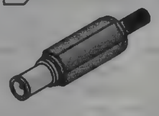
MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
171-3213	N	DC power plug, 1.3mm x 3.4mm x .51", 2A@12VDC	.95	.73	.67	.61
171-3211	O	DC power plug, 2.1mm x 5.5mm x .48", 0.5A@12VDC	.65	.43	.38	.35
171-3212	O	DC power plug, 2.5mm x 5.5mm x .48", 0.5A@12VDC	.59	.39	.35	.32
171-0722-E	P	Locking, use with 161-0721 & 163-1000 only, 0.5A@12VDC	.58	.38	.35	.32
171-0726-E	P	Locking, use with 161-0725 & 163-1100 only, 1A@12VDC	.58	.38	.35	.32

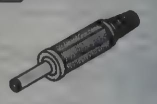
TIPS, CORDS AND HOLDERS

Make your own kit.

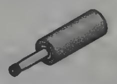
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	Price Each			
				1	10	100	500
173-TIP-4H-1C00	Q	Black	Holder 4	.38	.29	.19	.10
173-TIP-6H-1C00	R	Black	Holder 6	.38	.29	.19	.10
173-23507TIP	S	Black	DC Power Plug 2.35 - Right Angle	.80	.62	.56	.51
173-23507-ST	T	Yellow	DC Power Plug 2.35 - Straight	.80	.62	.56	.51
173-4017TIP	S	Yellow	DC Power Plug 4.0 - Right Angle	.80	.62	.56	.51
173-4017-ST	T	Yellow	DC Power Plug 4.0 - Straight	.80	.62	.56	.51
173-50P10TIP	S	Yellow	DC Power Plug 5.0 - Right Angle	.85	.65	.59	.54
173-5521TIP	S	Blue	DC Power Plug 5.5 - Right Angle	.66	.51	.46	.42
173-5521-ST	T	Blue	DC Power Plug 5.5 - Straight	.66	.51	.46	.42
173-5525TIP	S	White	DC Power Plug 5.5 - Right Angle	.66	.51	.46	.42
173-5525-ST	T	White	DC Power Plug 5.5 - Straight	.66	.51	.46	.42
173-6330TIP	S	Green	DC Power Plug 6.3 - Right Angle	.76	.58	.53	.48
173-3413TIP	S	Orange	DC Power Plug 3.4 - Right Angle	.66	.51	.46	.42
173-3413-ST	T	Orange	DC Power Plug 3.4 - Straight	.66	.51	.46	.42
173-25MP-ST	U	Black	Phone Plug 2.5 - Straight	.66	.51	.46	.42
173-25MPTIP	V	Black	Phone Plug 2.5 - Right Angle	.66	.51	.46	.42
173-35MP-ST	U	Black	Phone Plug 3.5 - Straight	.66	.51	.46	.42
173-35MPTIP	V	Black	Phone Plug 3.5 - Right Angle	.66	.51	.46	.42
173-CABLE-1	W	Black	Cable 2PIN (+TIP)	2.99	2.30	2.09	1.91
173-CABLE-2	X	Black	Cable 2PIN (+/-)	2.99	2.30	2.09	1.91

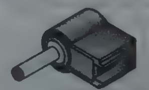
A


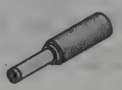
B


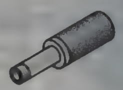
C

D


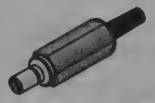
E

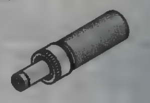
F


G


H


I

J


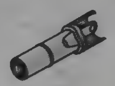
K


L

M

N

O

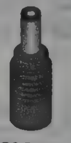
P


Q

R

S

DC Power

T


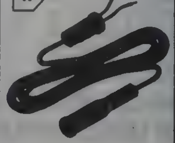
DC Power

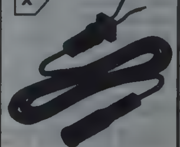
U

Phone

V

Phone

W


X


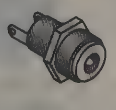
Adapter Plug Replacement Set and Tips

For quantities 50 and up, call for quote.

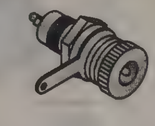
MOUSER STOCK NO.	Description	Price Each			
		1	5	10	20
173-TIP-EDAC-5	6 Piece Kit Right Angle	4.34	3.34	3.03	2.52
173-TIP-1EDAC-2	6 Piece Kit Straight	4.34	3.34	3.04	2.30
173-TIP-EDAC-6	4 Piece Kit Right Angle	3.00	2.30	2.09	1.73
173-TIP-1EDAC-3	4 Piece Kit Straight	3.00	2.30	2.09	1.59

KOBICONN DC Power Jacks

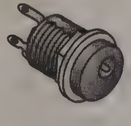
A



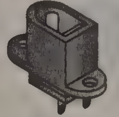
B



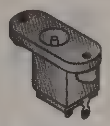
C



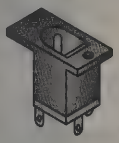
D



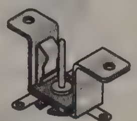
E



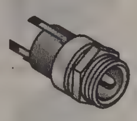
F



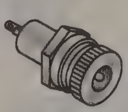
G



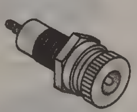
H



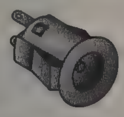
I



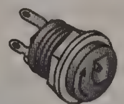
J



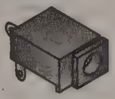
K



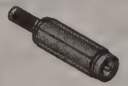
L



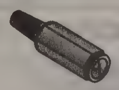
M



N



O



DC POWER JACKS

Most feature Phosphor bronze springs, brass pins, and terminals.

Chassis/Panel Mount

t = Thickness

For quantities of 1,000 and up, call for quote.

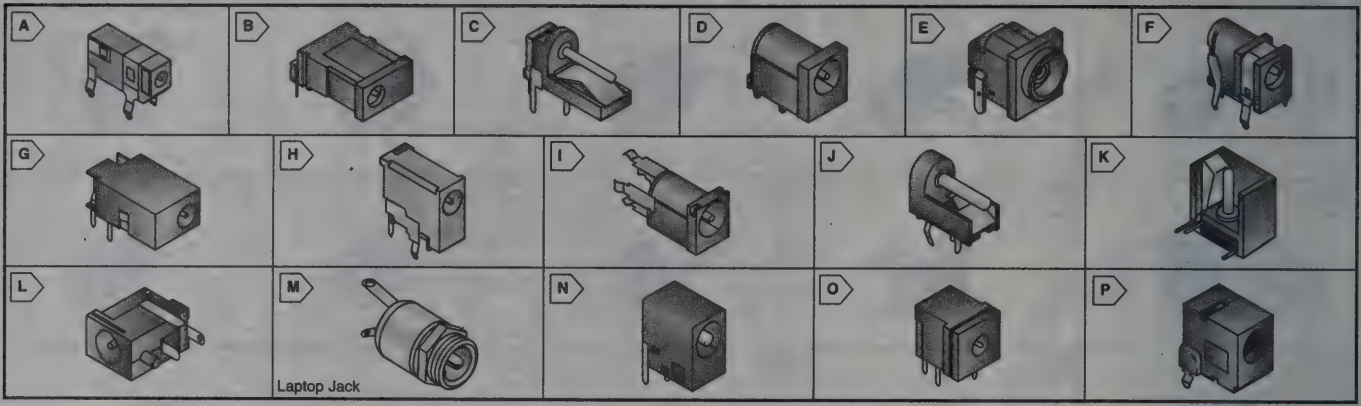
MOUSER STOCK NO.	Fig.	Description	Voltage Rating	Current Rating	Mating/Plg. O.D. (mm)	Center Pin (mm)		Price Each			
						D	L	1	10	100	500
.7mm											
163-4007-EX	A	Front mount, plastic thread	3.15 VDC	2 A	2.35	0.65	9.00	.96	.78	.71	.64
1.3mm											
163-4013	B	Metal overall length .85"	15 VDC	3 A	3.50	1.20	9.80	2.35	1.96	1.78	1.62
163-4012-EX	A	Front mount, plastic thread	12 VDC	0.5 A	3.50	1.30	9.00	.96	.78	.71	.64
163-4015-EX	A	Front mount, plastic thread	12 VDC	0.5 A	3.40	1.30	9.00	.96	.78	.71	.64
1.7mm											
163-4017-EX	C	Front mount, NC switch	6.3 VDC	2 A	4.00	1.65	9.00	1.38	1.16	.81	.75
163-4018-EX	A	Front mount, plastic thread	6.3 VDC	2 A	4.00	1.65	9.00	1.02	.78	.71	.64
163-4117-EX	C	Front mount, NC switch	10.5 VDC	2 A	4.75	1.65	9.00	1.38	1.16	.81	.75
163-4118-EX	A	Front mount, plastic thread	10.5 VDC	2 A	4.75	1.65	9.00	.96	.78	.71	.64
2.1mm											
16PJ723	D	Molded, economy with NC switch	30 VDC	0.3 A	5.50	2.00	7.20	.50	.33	.30	.28
16PJ222	D	Molded, standard with NC switch	12 VDC	0.5 A	5.50	2.00	7.20	.74	.57	.52	.47
163-5006-E	E	Molded with NC switch	12 VDC	1.5 A	5.50	2.00	8.00	.99	.77	.70	.64
163-4300-EX	F	Molded with NC switch	12 VDC	1 A	5.50	2.00	7.50	1.10	.85	.77	.71
16PJ122	G	Open metal frame with NC switch	12 VDC	1 A	5.50	2.00	8.00	1.15	.96	.87	.79
163-4302-EX	C	Round plastic with NC switch	12/24 VDC	0.5 A	5.50	2.00	9.00	1.38	1.16	.81	.75
163-MJ21-EX	H	Split pin with NC switch t 1-3mm max.	12 VDC	3 A	5.50	2.00	8.00	2.10	1.75	1.59	1.45
163-4021	I	Metal overall length 1.06" t 5mm max.	100 VDC	2 A	5.50	2.00	7.50	2.35	1.96	1.78	1.62
163-R123B-E	I	Metal overall length 1.06"	250 VDC	1 A	5.50	2.00	7.50	1.75	1.46	1.33	1.21
163-4022	J	Metal, 1" bushing overall length 1.5"	10 VDC	1 A	5.50	2.00	7.50	4.28	3.57	3.25	2.95
163-4020	I	Metal overall length .78"	3.15-13.5 VDC	2 A	5.50	2.00	9.00	1.75	1.46	1.33	1.25
163-1060-EX	K	Snap-in	12 VDC	0.5 A	5.50	2.00	8.00	.88	.67	.61	.56
163-1000-EX	L	Locking use with 171-0721 or 171-0722	12 VDC	0.5 A	5.50	2.00	8.00	.88	.67	.61	.56
163-2111	M	Black with NC switch	16 VDC	2 A	5.50	2.00	9.00	.71	.47	.43	.39
2.5mm											
163-5007	D	Molded with NC switch	12 VDC	1 A	5.50	2.35	7.20	.39	.26	.24	.22
16PJ221	D	Molded with NC switch	12 VDC	0.5 A	5.50	2.35	7.20	.74	.57	.52	.47
163-5005-E	E	Molded with NC switch	12 VDC	1.5 A	5.50	2.35	8.00	.99	.77	.70	.64
163-4301-E	F	Molded with NC switch	12 VDC	1 A	5.50	2.35	7.50	1.10	.84	.77	.71
16PJ121	G	Open metal frame with NC switch	12 VDC	1 A	5.50	2.35	8.00	1.05	.88	.80	.72
163-4303-EX	C	Round plastic with NC switch	12/24 VDC	0.5 A	5.50	2.35	9.00	1.38	1.16	.81	.75
163-MJ22-EX	H	Split pin with NC switch	12 VDC	3 A	5.50	2.35	8.00	2.10	1.75	1.59	1.45
163-4025	I	Metal overall length 1.06"	100 VDC	2 A	5.50	2.35	7.50	2.35	1.96	1.78	1.62
163-2325-E	I	Metal overall length 1.06"	250 VDC	1 A	5.50	2.35	7.50	1.75	1.46	1.33	1.21
163-4026	J	Metal 1" bushing overall length 1.5"	10 VDC	1 A	5.50	2.35	7.50	4.28	3.57	3.25	2.95
163-4024	I	Metal overall length .78"	3.15-13.5 VDC	2 A	5.50	2.35	9.00	1.75	1.46	1.33	1.25
163-1061-EX	K	Snap-in	12 VDC	1 A	5.50	2.35	8.00	.88	.67	.61	.56
163-1100-EX	L	Locking use with 171-0725 or 171-0726	12 VDC	1 A	5.50	2.35	8.00	.88	.67	.61	.56
163-2531	M	Black with NC switch	16 VDC	2 A	5.50	2.50	9.00	.71	.47	.43	.39

In-Line

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Voltage Rating	Current Rating	Mating/Plg. O.D. (mm)	Center Pin (mm)		Price Each			
						D	L	1	10	100	500
.7mm											
163-0307-E	N	Cable mount, Max. Cable O.D. = 4 mm	3.15 VDC	2 A	2.35	0.65	8.50	1.63	1.36	1.23	1.12
1.3mm											
163-0308-EX	N	Cable mount, Max. Cable O.D. = 4 mm	12 VDC	0.5 A	3.50	1.30	8.50	1.63	1.36	1.23	1.12
163-0309-EX	N	Cable mount, Max. Cable O.D. = 4 mm	12 VDC	0.5 A	3.40	1.30	8.50	1.63	1.36	1.23	1.12
1.7mm											
163-0310-EX	N	Cable mount, Max. Cable O.D. = 4 mm	10.5 VDC	2 A	4.75	1.65	8.50	1.63	1.36	1.23	1.12
163-0311-EX	N	Cable mount, Max. Cable O.D. = 4 mm	6.3 VDC	2 A	4.00	1.65	8.50	1.63	1.36	1.23	1.12
2.1mm											
163-0300-EX	N	Cable mount, Max. Cable O.D. = 4 mm	12 VDC	1 A	5.50	2.00	8.50	1.63	1.36	1.23	1.12
163-0302	O	Cable mount, Max. Cable O.D. = 4 mm	3.15-13.5 VDC	2 A	5.50	2.00	9.00	2.00	1.54	1.40	1.27
2.5mm											
163-0301-EX	N	Cable mount, Max. Cable O.D. = 4 mm	12 VDC	1 A	5.50	2.35	8.50	1.77	1.36	1.23	1.12
163-0303	O	Cable mount, Max. Cable O.D. = 4 mm	3.15-13.5 VDC	2 A	5.50	2.40	9.00	1.73	1.44	1.31	1.19

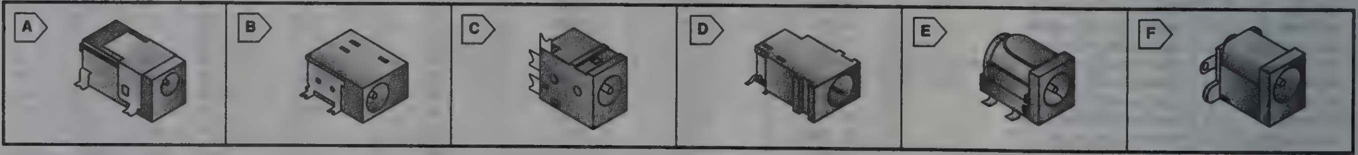
KOBICONN DC Power Jacks



PC MOUNT DC POWER JACKS

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Voltage Rating	Current Rating	Mating/Plg. O.D. (mm)	Center Pin (mm)		Price Each			
						D	L	1	10	100	500
.7mm											
163-4307-E	A	Molded NC switch	3.15 VDC	2 A	2.35	0.65	9.50	.96	.78	.71	.64
163-4312-EX	B	Molded with NC switch	3.15 VDC	2 A	2.35	0.65	8.20	1.22	1.01	.92	.83
1.3mm											
163-5008	C	Economy, NC switch	--	--	3.40	1.25	5.50	.39	.26	.24	.22
16PJ200	C	Open frame, NC switch	12 VDC	0.5 A	3.40	1.20	5.00	1.14	.88	.80	.73
161-201	D	Molded with NC switch	--	--	3.40	1.20	5.00	1.06	.82	.74	.67
163-2513-EX	D	NC Switch, Snap In Pins	6 VDC	0.5 A	4.25	1.30	5.00	.66	.51	.46	.42
163-2243-E	E	Black with NC switch	18 VDC	2 A	3.40	1.40	9.00	.86	.66	.60	.55
1.7mm											
163-4310-E	F	Molded snap mount with NC switch	6.3 VDC	2 A	4.00	1.65	8.50	1.09	.91	.82	.75
163-4311-E	F	Molded snap mount with NC switch	6.3-10.5 VDC	2 A	4.75	1.65	8.50	1.09	.91	.82	.75
163-4019-EX	G	Molded NC switch	6 VDC	2 A	4.00	1.65	9.50	.96	.78	.71	.64
163-4119-E	H	Molded NC switch, yellow	10.5 VDC	2 A	4.75	1.65	10.50	.96	.78	.71	.64
2.1mm											
163-5004-E	D	Molded with NC switch	18 VDC	1.5 A	5.50	2.00	8.00	.63	.42	.38	.35
163-5013	I	Molded snap mount with NC switch	--	--	5.50	2.00	8.00	.39	.28	.26	.23
163-5010-E	J	Open frame with snap mount, NC sw	12 VDC	1.5 A	5.50	2.00	8.00	.73	.48	.44	.40
16PJ031	D	Molded with NC switch	16 VDC	1 A	5.50	2.00	9.00	.93	.72	.65	.59
16PJ101-EX	K	Molded with NC switch	12 VDC	1 A	5.50	2.00	5.00	.95	.73	.66	.60
161-0721-EX	L	1/4 Turn Lock use/w (171-0721 / 171-0722)	18 VDC	1.5 A	5.50	2.00	- - -	.74	.57	.52	.47
163-7421	M	Positive ring lock use with 171-7391	3.15-13.5 VDC	2 A	5.50	2.00	- - -	4.28	3.57	3.25	2.95
163-0210-E	N	Laptop Jack	12 VDC	1 A	5.50	2.50	9.50	.93	.62	.56	.51
2.5mm											
163-5012	I	Molded with snap mount and NC sw	--	--	5.50	2.35	8.00	.44	.29	.26	.24
163-5003-E	D	Molded with NC switch	18 VDC	1.5 A	5.50	2.35	8.00	.64	.45	.41	.37
163-5011-E	J	Open frame with snap mount & NC sw	12 VDC	1.5 A	5.50	2.35	8.00	.73	.48	.44	.40
16PJ032	D	Molded with NC switch	16 VDC	1 A	5.50	2.35	9.00	1.01	.78	.71	.65
16PJ223-EX	K	Molded with NC switch	12 VDC	1 A	5.50	2.35	5.00	.95	.73	.66	.60
163-4314	O	Molded with 2-SPST switches	12 VDC	1 A	5.50	2.35	7.50	3.57	2.75	2.50	2.27
161-0725-E	L	1/8 Turn Lock use/w (171-0725 / 171-0726)	18 VDC	1.5 A	5.50	2.35	- - -	.74	.57	.52	.47
163-7425	M	Positive ring lock use with 171-7395	3.15-13.5 VDC	2 A	5.50	2.35	- - -	4.28	3.57	3.25	2.95
163-0212-E	N	Molded with NC Switch for Laptop	12 VDC	1 A	5.50	2.50	9.50	.93	.62	.56	.51
163-510DJ-EX	P	Locking, Mates with 171-MP214	13.5 VDC	2 A	5.50	2.50	10.50	.95	.73	.56	.43



SURFACE MOUNT DC POWER JACKS

- NC Switch, Black
- Nickel plated brass contacts
- Operating Temperature: -25˚C to +70˚C
- Operating Life: 5000 cycles min.
- Contact Resistance: 50mΩ Max.

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Voltage Rating	Current Rating	Mating/Plg. O.D. (mm)	Center Pin (mm)		Price Each			
						D	L	1	10	100	500
.7mm											
*163-2307-E	A	SMT jack with Black NC Switch	4-20 VDC	3 A	2.75	0.65	8.00	.77	.51	.46	.42
1.3mm											
*163-2313-E	B	SMT jack with Black NC Switch	24 VDC	3 A	3.80	1.30	8.00	.77	.51	.46	.42
163-4213-EX	C	SMT jack with Black NC Switch	6 VDC	0.5 A	3.70	1.30	5.00	.97	.81	.74	.67
1.7mm											
*163-2217-E	D	SMT jack with Black NC Switch	12 VDC	1 A	5.20	1.60	8.50	.77	.51	.46	.42
2.1mm											
163-0179-EX	E	SMT jack with Black NC Switch	24 VDC	3.5 A	5.50	2.00	8.00	1.15	.82	.71	.56
*163-2121-E	E	SMT jack with Black NC Switch	24 VDC	3.5 A	6.03	2.00	8.00	.77	.51	.46	.42
*163-2421-E	F	SMT jack with Black NC Switch	13.5 VDC	2.5 A	5.50	2.00	9.00	.83	.55	.49	.45
2.5mm											
163-0180-EX	E	SMT jack with Black NC Switch	24 VDC	3.5 A	5.50	2.35	8.00	1.15	.82	.71	.56
*163-2125-E	E	SMT jack with Black NC Switch	24 VDC	3.5 A	6.03	2.50	8.00	.77	.51	.46	.42
*163-2425-E	F	SMT jack with Black NC Switch	13.5 VDC	2.5 A	5.50	2.50	9.00	.83	.55	.49	.45

* Available on tape & reel as special order. Add /TR to end of P/N.

KYCON DC Power Connectors

KYCON

RoHS Compliant This page of product is compliant.

STANDARD DC POWER JACKS (2.0MM AND 2.5MM)

- Built in DC On/Off Switch
- Screw machine contact center pin
- Housing: PBT Thermoplastic, UL94V-0 Rated
- Color: Black

- RoHS Compliance per Kycon Documentation
- Rated Current: 3.5 Amps
- Durability: 5000 Cycles
- Operating Temperature: -25°C to +85°C
- Rated Voltage: 24VDC (excluding Vertical SMT Jacks)

RoHS Compliant

C US LR78160

∗ Vertical SMT Jacks: 16VDC rated voltage

∗∗ High Temperature Thermoplastic UL94V-0 Rated

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Inner Pin (mm)	Price Each			
				1	25	100	500
Right Angle PCB Jacks							
806-KLDX-0202-A	KLDX-0202-A	A	2.0	.40	.37	.27	.20
806-KLDX-0202-B	KLDX-0202-B	A	2.5	.39	.37	.27	.20
Right Angle PCB Jacks - 1 and 2 Pins Crimped							
806-KLDX-0202-AC	KLDX-0202-AC	A	2.0	.46	.44	.32	.24
806-KLDX-0202-BC	KLDX-0202-BC	A	2.5	.46	.44	.32	.25
Right Angle High Temperature PCB Jacks							
∗∗ **806-KLDX-0202-AHT**	KLDX-0202-AHT	A	2.0	.78	.75	.70	.52
∗∗ **806-KLDX-0202-BHT**	KLDX-0202-BHT	A	2.5	.78	.75	.62	.52
Vertical PCB Jacks							
806-KLDVX-0202-A	KLDVX-0202-A	B	2.0	.57	.55	.46	.33
806-KLDVX-0202-B	KLDVX-0202-B	B	2.5	.69	.63	.46	.33
Vertical High Temperature SMT Jacks							
∗ **806-KLDVX-SMT02ATR**	KLDVX-SMT-02-ATR	C	2.0	1.25	1.02	.75	.72
∗ **806-KLDVX-SMT02BTR**	KLDVX-SMT-02-BTR	C	2.5	1.25	1.02	.75	.72
Right Angle High Temperature Hybrid SMT Jacks - without Center Peg							
∗∗ **806-KLDX-SMT-0202A**	KLDX-SMT-0202-A	D	2.0	1.07	1.06	.77	.62
∗∗ **806-KLDX-SMT-0202B**	KLDX-SMT-0202-B	D	2.5	1.07	1.06	.77	.62
Right Angle High Temperature Hybrid SMT Jacks - with Center Peg							
∗∗ **806-KLDX-SMT0202AP**	KLDX-SMT-0202-AP	D	2.0	1.04	1.02	.74	.59
∗∗ **806-KLDX-SMT0202BP**	KLDX-SMT-0202-BP	D	2.5	1.04	1.02	.74	.59
Right Angle High Temperature SMT Jacks							
∗∗ **806-KLDX-SMT20202A**	KLDX-SMT2-0202-A	E	2.0	1.12	1.11	.81	.65
∗∗ **806-KLDX-SMT20202B**	KLDX-SMT2-0202-B	E	2.5	1.12	1.11	.81	.65
Panel Mount Jacks - Solder Eyelets							
806-KLDPX-0207-A	KLDPX-0207-A	F	2.0	.76	.72	.53	.42
806-KLDPX-0207-B	KLDPX-0207-B	F	2.5	.74	.72	.52	.41

MINI DC POWER JACKS (1.0MM AND 1.3MM)

- Built in DC On/Off Switch
- Screw machine contact center pin
- Housing: PBT Thermoplastic, UL94V-0 Rated
- Color: Black

- RoHS Compliance per Kycon Documentation
- Rated Current: 2.5 Amps
- Durability: 5000 Cycles
- Operating Temperature: -25°C to +85°C
- Rated Voltage: 24VDC

RoHS Compliant

C US LR78160

∗∗ High Temperature Thermoplastic UL94V-0 Rated

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Inner Pin (mm)	Price Each			
				1	25	100	500
Right Angle PCB Jacks- Open Frame							
806-KLDX-0101-A	KLDX-0101-A	G	1.0	.62	.51	.37	.36
806-KLDX-0101-B	KLDX-0101-B	G	1.3	.64	.55	.40	.37
Right Angle PCB Jacks							
806-KLDX-0201-A	KLDX-0201-A	H	1.0	.64	.55	.40	.37
806-KLDX-0201-B	KLDX-0201-B	H	1.3	.62	.54	.42	.33
Right Angle PCB Jacks - 1 and 2 Pins Crimped							
806-KLDX-0201-AC	KLDX-0201-AC	H	1.0	.62	.49	.36	.35
806-KLDX-0201-BC	KLDX-0201-BC	H	1.3	.63	.52	.42	.33
Right Angle High Temperature PCB Jacks							
∗∗ **806-KLDX-0201-AHT**	KLDX-0201-AHT	H	1.0	.98	.90	.66	.56
∗∗ **806-KLDX-0201-BHT**	KLDX-0201-BHT	H	1.3	.98	.82	.56	.51
Right Angle High Temperature SMT Jacks							
∗∗ **806-KLDX-SMT0201LA**	KLDX-SMT-0201L-A	I	1.0	1.42	1.40	1.02	.82
∗∗ **806-KLDX-SMT0201LB**	KLDX-SMT-0201L-B	I	1.3	1.50	1.34	.98	.86

SNAP AND LOCK DC POWER CONNECTORS

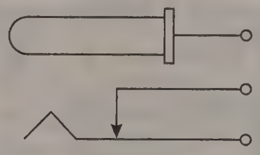
- RoHS Compliance per Kycon Documentation
- Snap lock features prevents accidental disconnects
- 3 Position Contact Rating: Pin 1 & Pin 2: 20VDC at 7.5A max.; Pin 3: 20VDC at 1.0A max.
- 4 Position Contact Rating: 20VDC at 7.5A max. for all pins
- Color: Black

RoHS Compliant

C US LR78160

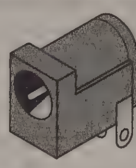
For quantities of 1,000 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	Inner Pin (mm)	Price Each			
				1	25	100	500
Right Angle PCB Jacks							
806-KPJX-3S	KPJX-3S	J	3	1.81	1.70	1.24	1.04
806-KPJX-4S	KPJX-4S	J	4	2.66	2.59	1.48	1.14
Right Angle PCB Shielded Jacks							
806-KPJX-3S-S	KPJX-3S-S	J	3	2.66	2.59	1.41	1.12
806-KPJX-4S-S	KPJX-4S-S	J	4	2.89	2.82	1.59	1.23
Cable Mount Plugs							
806-KPPX-3P	KPPX-3P	K	3	3.22	2.98	2.18	1.84
806-KPPX-4P	KPPX-4P	K	4	3.71	3.42	2.50	2.12

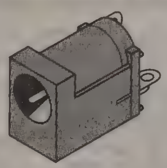


Circuit Diagram

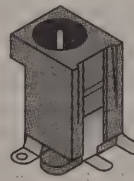
A



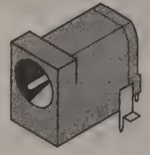
B



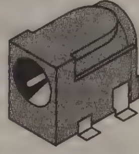
C



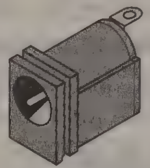
D



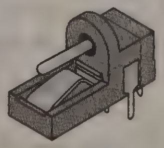
E



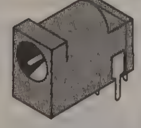
F



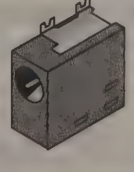
G



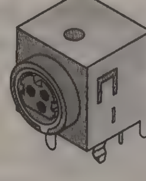
H



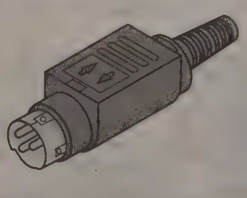
I



J



K



KYCON Stereo Audio Jacks

RoHS Compliant This page of product is compliant.

2.5MM STEREO AUDIO JACKS

- ST-2000: Housing: PBT Thermoplastic, UL94V-0 Rated
- Durability: 5000 Mating Cycles
- ST-2500 and ST-2550: Housing: High Temperature Thermoplastic, UL94V-0 Rated
- RoHS Compliance per Kycon Documentation
- Operating Temperature: -25°C to +80°C
- Terminals: Copper Alloy, Silver over Nickel plating
- Color: Black
- Non-threaded

∗ High Temperature Thermoplastic UL94V-0 Rated

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Description	Circuit Diagram	Price Each			
					1	25	100	500
806-STX-2000-3N	STX-2000-3N	A	3P, Thru-Hole	1	.74	.58	.42	.40
∗ 806-STX-2500-3N	∗ STX-2500-3N	B	3P, Surface Mount	1	.79	.65	.47	.45
∗ 806-STX-2550-5N	∗ STX-2550-5N	C	5P, Surface Mount	2	1.12	1.06	.78	.63

3.5MM STEREO AUDIO JACKS – PCB MOUNT, ALL PLASTIC

- Housing: PBT Thermoplastic, UL94V-0 Rated
- Durability: 5000 Mating Cycles
- Operating Temperature: -25°C to +80°C
- RoHS Compliance per Kycon Documentation
- All Plastic
- Color: Black
- Non-threaded

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Description	Circuit Diagram	Price Each			
					1	25	100	500
806-STX-3000	STX-3000	D	3P, Thru-Hole	1	.75	.68	.50	.43
806-STX-3120-3B	STX-3120-3B	E	3P, Thru-Hole	1	.61	.56	.41	.35
With Switch (DPST)								
806-STX-3120-5B	STX-3120-5B	E	5P, Thru-Hole	2	.76	.66	.48	.40

3.5MM STEREO AUDIO JACKS – PCB MOUNT, THRU-HOLE

- Housing: PBT Thermoplastic, UL94V-0 Rated
- Durability: 5000 Mating Cycles
- Switch Spring: SWP Steel
- Clip: P.B.S.
- Sleeve: SPCC, Nickel plated
- TIP and Ring: P.B.S., Tin plated
- Color: Black
- N.C. Terminals: Copper Alloy, Tin plated
- Thru-Hole
- Operating Temperature: -25°C to +80°C
- Sleeve Spring: Phosphor Bronze
- RoHS Compliance per Kycon Documentation
- Clip Housing: Polyacetal
- Terminals: Brass Silver plated
- Bushing: Copper Alloy, Nickel plated
- Contact Rating: 16VDC @ 0.3 Amps

∗ w/ Back Plate

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Description	Circuit Diagram	Price Each			
					1	25	100	500
806-STX-3100-3C	STX-3100-3C	F	3P, Threaded	1	1.00	.90	.66	.57
806-STX-3100-3N	STX-3100-3N	F	3P, Non-Threaded	1	.86	.82	.60	.42
∗ 806-STX-3100-3NB	∗ STX-3100-3NB	F	3P, Non-Threaded	1	.89	.83	.58	.45
806-STX-3100-5C	STX-3100-5C	F	5P, Threaded	2	1.08	.97	.71	.62
806-STX-3100-5N	STX-3100-5N	F	5P, Non-Threaded	2	1.01	.95	.69	.50
∗ 806-STX-3100-5NB	∗ STX-3100-5NB	F	5P, Non-Threaded	2	1.05	1.00	.73	.52

3.5MM STEREO AUDIO JACKS – PCB MOUNT, SLIM DESIGN

- Housing & Cover: PBT Thermoplastic, UL94V-0 Rated
- Terminals & Contacts: Phosphor Bronze, Tin plated
- Straight leads
- Contact rating: 16VDC @ 0.3 Amps
- Durability: 5000 Mating Cycles
- Operating Temperature: -25°C to +80°C
- Thru-Hole
- Color: Black
- RoHS Compliance per Kycon Documentation
- Bushing: Brass, Nickel plated

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Description	Circuit Diagram	Price Each			
					1	25	100	500
806-STX-3150-3C	STX-3150-3C	G	3P, Threaded	1	1.08	.91	.67	.58
806-STX-3150-3N	STX-3150-3N	G	3P, Non-Threaded	1	.89	.74	.54	.46
With Switch (DPST)								
806-STX-3150-5C	STX-3150-5C	G	5P, Threaded	2	1.21	1.05	.76	.66
806-STX-3150-5N	STX-3150-5N	G	5P, Non-Threaded	2	1.13	.97	.71	.60

3.5MM STEREO AUDIO JACKS – ALL PLASTIC

- Housing: PBT Thermoplastic, UL94V-0 Rated
- Terminals: Copper Alloy, Silver over Nickel plated
- Contact rating: 16VDC @ 0.3 Amps
- Durability: 5000 Mating Cycles
- Operating Temperature: -25°C to +80°C
- Non-Threaded
- All Plastic
- RoHS Compliance per Kycon Documentation
- Color: Black

RoHS Compliant

∗ High Temperature Thermoplastic UL94V-0 Rated

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Description	Circuit Diagram	Price Each			
					1	25	100	500
∗ 806-STX-3500-3N	∗ STX-3500-3N	H	3P, Surface Mount	1	.96	.87	.64	.55
806-STX-3501-3N	STX-3501-3N	H	3P, Thru-Hole	1	1.37	1.24	.90	.78

3.5MM STEREO AUDIO JACKS – PCB MOUNT, LOW PROFILE THRU-HOLE

- Housing: PBT Thermoplastic 15% Glass Filled, UL94V-0 Rated
- Durability: 5000 Mating Cycles
- Operating Temperature: -25°C to +80°C
- RoHS Compliance per Kycon Documentation
- Color: Clear

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Description	Circuit Diagram	Price Each			
					1	25	100	500
806-STX-3081-3N	STX-3081-3N	I	3P, Non-Threaded	1	.67	.63	.46	.38
With Switch (DPST)								
806-STX-3081-5N	STX-3081-5N	I	5P, Non-Threaded	2	.72	.68	.50	.41

3.5MM STEREO AUDIO JACKS – STACKED THRU-HOLE

- Housing: Nylon 66 Thermoplastic 15% Glass Filled, UL94V-0 Rated
- Durability: 5000 Mating Cycles
- Operating Temperature: -25°C to +80°C
- Switch Terminals: Copper Alloy, Silver plated
- Contact Rating: 16VDC @ 0.3 Amps
- RoHS Compliance per Kycon Documentation
- Terminals: Copper Alloy, Tin over Nickel plating
- Switch Housing: PBT Thermoplastic
- Switch Slide Knob: POM
- Non-Threaded

RoHS Compliant

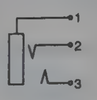
∗ PC99 color barrels

For quantities of 1,000 and up, call for quote.

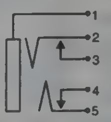
MOUSER STOCK NO.	Kycon Part No.	Fig.	Description	Circuit Dia.	Price Each			
					1	25	100	500
806-STX-4235-3/3-N	STX-4235-3/3-N	J	3/3 Pin, Black/Black	3	2.43	2.21	1.62	1.39
∗806-STX-43355BGPS1	∗STX-4335-5BGP-S1	K	5/5/5 Pin,Blue/Green/Pink	4	2.91	2.86	1.95	1.42

Circuit Diagrams

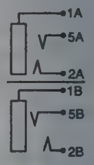
1



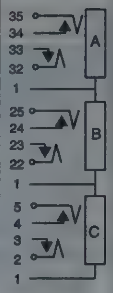
2



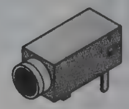
3



4

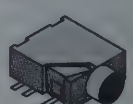


A

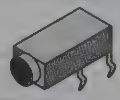


B

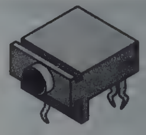
C



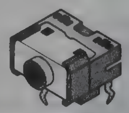
D



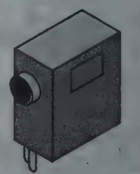
E



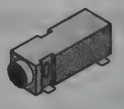
F



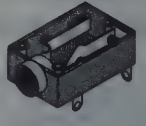
G



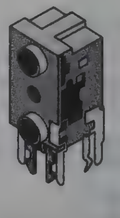
H



I



J



K

NEUTRIK Phone Jacks

RoHS Compliant This page of product is compliant.

M SERIES 1/4" NYLON STANDARD JACKS

Material Specifications:
- Body material: heavy duty nylon
- Contact material: solid nickel silver
- Mounting hardware included
- RoHS compliant per Neutrik documentation

Electrical Specifications:
- Insulation resistance: >7000 MΩ@ 50VDC
- Test voltage: 2000V
- Temperature range: 0°C +70°C

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Mono	Stereo	Switched	Terminal Type	Nose Type	Price Each 1	10	100
550-12001	NMJ2HC-S	A	X	-	No	Solder	3	.88	.84	.79
550-10021	NMJ2HF-S	A	X	-	No	Solder	1	.57	.55	.51
550-10201	NMJ4HFD2	A	X	-	Yes	PCB	1	.70	.67	.63
550-12202	NMJ4HCD2	A	X	-	Yes	PCB	3	.98	.93	.88
550-NMJ6HCS	NMJ6HC-S	B	-	X	Yes	Solder	3	1.10	1.05	.99
550-20301	NMJ6HFD2	B	-	X	Yes	PCB	1	.58	.55	.52
550-22302	NMJ6HCD2	B	-	X	Yes	PCB	3	1.06	1.01	.95
550-25382	NMJ6HHD2	B	-	X	Yes	PCB	2	.58	.55	.52

1/4" NYLON SLIM JACKS

Features:
- 19% space saving advantage over standard socket
- All SlimLine jacks have 1/4 inch PCB horizontal mount pins
- No mounting nuts and washers included, must be purchased separately.

Material Specifications:
- Body material: heavy duty nylon
- Contact material: solid nickel silver
- RoHS compliant per Neutrik documentation

Electrical Specifications:
- Contact resistance: <0.025 MΩ
- Temperature range: 0°C +70°C

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Mono	Stereo	Switched	Terminal Type	Nose Type	Price Each 1	10	100
550-10284	NRJ4HF	C	X	-	Yes	PCB	1	.44	.42	.40
550-15284	NRJ4HH	C	X	-	Yes	PCB	2	.44	.42	.40
550-20311	NRJ6HF	C	-	X	Yes	PCB	1	.54	.51	.49
550-20384	NRJ6HF-1	C	-	X	Yes	PCB	1	.54	.51	.49
*550-25301	NRJ6HH	C	-	X	Yes	PCB	2	.54	.51	.49
550-20311AU	NRJ6HF-AU	C	-	X	Yes	PCB	1	1.30	1.24	1.17

* Chassis Grounding

Nuts and Washers for Standard and Slim Jack Sockets

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Description	Price Each 1	10	100
550-1005	NRJNUT-B	Standard plastic nut	.12	.11	.10
550-1002	NRJ-NUT-MK	Ring nut, knurled, nickel-plated brass	.59	.54	.51
550-MW05	NRJ-WB	16 x 1.2mm Washer	.05	.04	.03

COMMERCIAL 1/4" PHONE JACKS

- Mono and stereo jacks
- Stereo jacks feature all contacts switched
- Can be used with panels as thick as 5.5mm with washer and nut (included)
- Housing/shell: Brass Ni/Au/Black plated or Zinc diecast
- Insulation: Thermoplastic
- Contacts: Brass, Ni/Au plated
- Strain relief: Crimp type SnCe plated
- RoHS compliant per Neutrik documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Mounting Hardware	Price Each 1	10	100
568-NYS220	NYS2202	D	Mono, long bushing	Metal Nut/Washer	2.10	1.90	1.70
568-NYS220/3	NYS2203	D	Stereo, long bushing	Metal Nut/Washer	2.17	1.97	1.77
568-NYS221	NYS221	D	Stereo, for guitar strap	Metal Nut/Washer	2.35	2.01	1.80
568-NYS212	NYS212	E	Stereo, solder tabs	Plastic Nut/Washer	.65	.60	.51
568-NYS212/2	NYS2122	E	Mono, solder tabs	Plastic Nut/Washer	.62	.59	.56
568-NYS215	NYS215	E	Stereo	Chrome Ferrule	.85	.75	.61
568-NYS215/2	NYS2152	E	Mono	Chrome Ferrule	.76	.72	.68
568-NYS216	NYS216	E	Stereo	Plastic Nut/Washer	.69	.61	.55
568-NYS216/2	NYS2162	E	Mono	Plastic Nut/Washer	.62	.59	.56
568-NYS218	NYS218	E	Stereo, 15.0mm leads	Plastic Nut/Washer	.65	.58	.49
568-NYS218/2	NYS2182	E	Mono, 15.0mm leads	Plastic Nut/Washer	.64	.61	.58
568-NYS219	NYS219	E	Stereo, 12.0mm leads	Plastic Nut/Washer	.69	.59	.51
568-NYS219/2	NYS2192	E	Mono, 12.0mm leads	Plastic Nut/Washer	.62	.59	.56
568-NYS229	NYS229	F	Mono, open jacks, 2 contacts	Metal Nut/Washer	.98	.83	.74
568-NYS229L	NYS229L	F	Mono, .205" faston tabs, 2 contacts	Metal Nut/Washer	.82	.78	.74
568-NYS230	NYS230	F	Stereo, 3 contacts	Metal Nut/Washer	1.09	.94	.87
568-NYS234	NYS234	G	Stereo, PCB, TN & RN contacts	Metal Nut/Washer	.86	.82	.77
568-NYS234-3	NYS2343	G	Stereo, PCB, no normals	Metal Nut/Washer	.54	.51	.49

LOCKING 1/4" CABLE JACK

- Mates with all mono or stereo plugs
- Provides secure lockable interconnection with latch release
- RoHS compliant per Neutrik documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Housing	Contacts	Terminations	Price Each 1	10	100
568-NJ3FC6	NJ3FC6	H	Nickel satin	Silver	Soldering	7.55	5.75	5.45

LOCKING 1/4" CHASSIS JACK

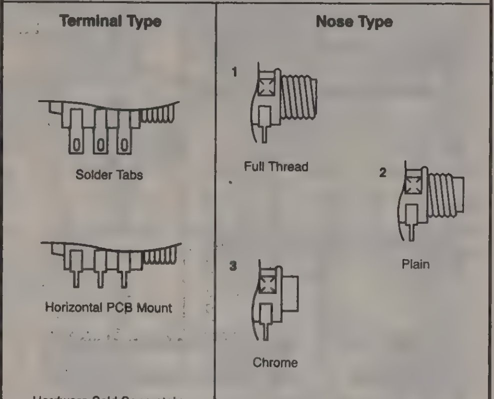
- Mates with all mono or stereo plugs
- RoHS compliant per Neutrik documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

568-NJ3FP6C	NJ3FP6C	I	Nickel satin	Silver	PCB-soldering	6.30	5.75	4.55

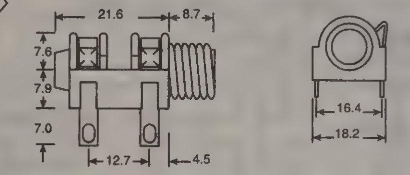
DIMENSIONS (mm)



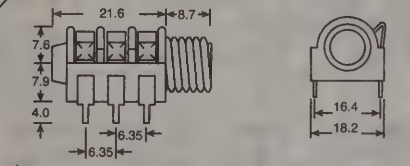
Hardware Sold Separately

Note: recommended PCB hole size .059"

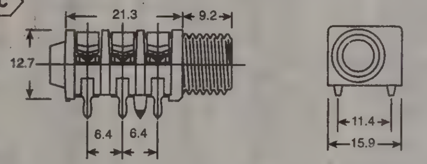
A



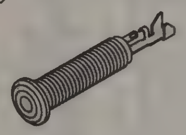
B



C

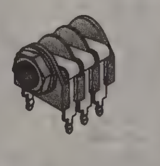


D



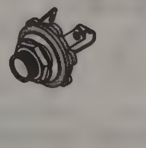
568-NYS220 Illustrated

E



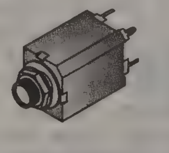
568-NYS218 Illustrated

F



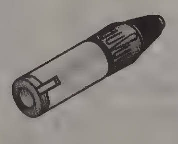
568-NYS229 Illustrated

G

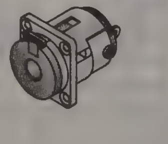


568-NYS234 Illustrated

H



I



SWITCHCRAFT Phone Jacks and Accessories

Switchcraft®

LITTEL-JAX® 1/4" COMMERICAL PHONE JACKS

Phone jacks mount in single .375" hole in panels up to .150" thick, except stock numbers 502-L-11 and 502-L-12 which mounts in panels up to .25" thick.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig. *	Circuit Dia.	Typical Mating Type	Description	Price Each 1	10	25
2-Conductor Standard 1/4" I.D. Types								
502-11	11	A	1	250	Open tip	1.78	1.62	1.46
502-C11X	C11X	A	1	440	Open tip with locating pin	3.41	3.10	2.95
502-L-11	L11	A	1	250	Open tip with .375" bushing	1.87	1.70	1.62
502-12A	12A	A	2	250	Closed tip	1.78	1.62	1.46
502-C12AX	C12AX	A	2	440	Closed tip with locating pin	5.63	5.12	4.86
502-L-12A	L12A	A	2	250	Closed tip with .375" bushing	2.04	1.94	1.84
502-13A	13A	A	3	250	Transfer circuit	5.65	5.14	4.88
502-13E	13E	A	4	250	Isolated "break" circuit	5.98	5.44	5.17
3-Conductor Standard 1/4" I.D. Types								
502-12B	12B	A	5	267	Open tip, open ring	1.85	1.68	1.51
502-C12B	C12BX	A	5	480	Open tip, open ring with locator pin	6.34	5.76	5.47
502-L-12B	L12B	A	5	267	Open tip, open ring with .375" bushing	2.35	2.14	2.03
502-13B	13B	A	6	267	Closed tip, open ring	5.83	5.30	5.04
502-14B	14B	A	7	267	Closed tip, closed ring	5.09	4.82	4.56
2-Conductor .210" I.D. Type for Polarized Connections								
502-S-11	S11	A	1	S-250	Open tip	3.12	2.84	2.70
3-Conductor .210" I.D. Type for Polarized Connections								
502-S-12B	S12B	A	5	S-260	Open tip, open ring	3.17	2.88	2.65

* 502-C-11 is shown

1/4" EXTENSION JACKS (IN-LINE)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Plug	Description	Price Each 1	10	25
2-Conductor							
502-120	120	B	250	Shielded handle, screw terminal	10.41	9.46	8.99
502-121	121	C	250	Shielded handle, solder lugs, and cable clamp	10.41	9.46	8.99
3-Conductor							
502-131	131	D	267	Shielded handle, solder lug	12.91	11.74	11.15
502-S-830	S830	E	480	Black handle, screw terminals, .21" I.D. Sleeve	12.91	11.74	11.15
502-1230	1230	D	267	Shielded handle, screw terminals	12.67	11.52	10.94

JACK COVERS - RELIABLE, SPRING LOADED COVER

For quantities of 100 and up, call for quote.

502-515X	515X	-	N/A	Black, jack cover	11.79	10.72	10.18

HI-D JAX, 1/4" ENCLOSED PHONE JACKS

Small, compact phone jacks mate with standard .25" (6.35mm) phone plugs. The molded body protects the integral silver plated contacts. They feature low contact resistance, low electrical leakage and low capacity between contacts. Mounts in single .375" hole in panels up to .156" thick.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Circuit Dia.	Typ. Mating Type	Description	Price Each 1	10	25
2-Conductor-Solder Type								
502-111X	111X	F	1	250	Open tip	1.87	1.70	1.62
502-N111X	N111X	F	1	250	Open tip, nylon bushing	3.37	3.06	2.91
502-112AX	112AX	F	2	250	Closed tip	1.89	1.72	1.63
502-N112AX	N112AX	F	2	250	Closed tip, nylon bushing	3.56	3.24	3.03
502-113X	113X	F	9	250	Open tip, isolated "Make" Circuit	3.87	3.52	3.34
3-Conductor-Solder Type								
502-112BX	112BX	F	5	267	Open tip, open ring	1.87	1.70	1.62
502-N112BX	N112BX	F	5	267	Open tip, open ring, nylon bushing	2.35	2.15	1.97
502-113BX	113BX	F	6	267	Closed tip, open ring	3.92	3.56	3.38
502-113FX	113FX	F	8	267	Open tip, closed ring	3.92	3.56	3.38
502-114BX	114BX	F	7	267	Closed tip, closed ring	2.77	2.52	2.39
502-L-114BX	L114BX	F	7	267	Closed tip, closed ring, .375" bushing	4.40	4.00	3.80
502-N114BX	N114BX	F	7	267	Closed tip, closed ring, nylon bushing	3.98	3.62	3.44
2-Conductor-PC Terminals								
502-111PCX	111PCX	F	1	250	Open tip	2.93	2.66	2.53
502-N111PCX	N111PCX	F	1	250	Open tip, nylon bushing	2.15	1.96	1.87
502-112APCX	112APCX	F	2	250	Closed tip	2.22	2.02	1.92
502-RN111PC	RN111PC	G	1	250	Open tip, right angle	1.67	1.52	1.44
502-RN-112APC	RN112APC	G	2	250	Closed tip, right angle	2.46	1.86	1.71
3-Conductor-PC Terminals								
502-112BPCX	112BPCX	F	5	267	Open tip, open ring	2.46	2.24	2.13
502-N112BPCX	N112BPCX	F	5	267	Open tip, open ring, nylon bushing	3.06	3.78	2.64
502-113BPCX	113BPCX	F	6	267	Closed tip, open ring	4.16	3.78	3.59
502-N114BPCX	N114BPCX	F	7	267	Closed tip, closed ring	3.92	3.56	3.38
*502-RN112BPC	RN112BPC	G	5	267	Open tip, open ring	2.24	2.04	1.94
*502-RN-113BPC	RN113BPC	G	6	267	Closed tip, open ring	2.49	2.26	2.15
*502-RN114BPC	RN114BPC	G	7	267	Closed tip, closed ring	2.40	2.18	2.07

* Right Angle

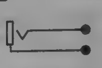
1/4" THICK PANEL PHONE JACKS

Extra shielded length eliminates microphone hum. • 1.25" panel size • .469" mounting hole

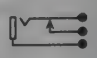
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Circuit Diagram	Mating Plug	Description	Price Each 1	10	25
502-151	151	H	1	280	2 Conductor, open circuit, nickel finish	7.57	6.88	6.54
502-152B	152B	H	5	297	3 Conductor, double open circuit, nickel finish	7.17	6.52	6.19

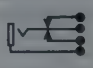
1



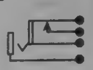
2



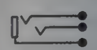
3



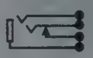
4



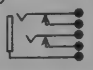
5



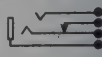
6



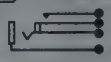
7



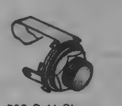
8



9

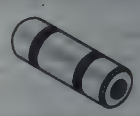


A

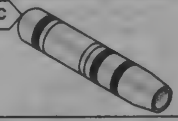


502-C-11 Shown

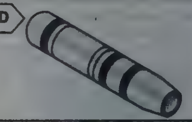
B



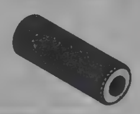
C



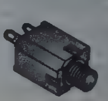
D



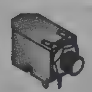
E



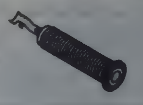
F



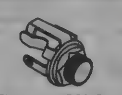
G



H

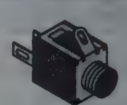


I

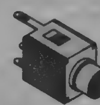


Right Angle PCB Type

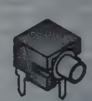
J



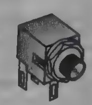
K



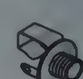
L



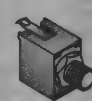
M



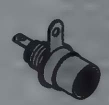
N



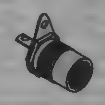
O



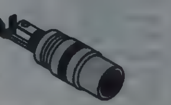
P



Q



R



MICRO-JAX® .101" SUBMINIATURE PHONE JACKS

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Cir. Dia.	Mating Plug	Contact	Price Each 1	10	25
502-TR-2A	TR2A	I	2	850	Open	2.44	2.22	2.11
502-MDSL2A	MDSL2A	J	2	850	Enclosed	2.16	1.96	1.86
502-MDPC2A	MDPC2A	K	2	850	Enclosed	3.12	2.84	2.70
502-MDPC-2A-RA	MDPC2ARA	L	2	850	Enclosed	2.73	2.48	2.36
502-MDSL-2A-RA	MDSL-2A-RA	M	2	850	Enclosed	2.13	1.94	1.75

TINI-JAX® .141 " MINIATURE PHONE JACKS

For Insulated Mount, order two washers seperately, number S1564 and S2207

502-41	41	N	1	750	Open	1.67	1.52	1.44
502-42A	42A	N	2	750	Open	1.98	1.80	1.71
502-142AX	142AX	O	2	750	Enclosed	4.02	3.68	3.22

BULKHEAD PHONO JACKS

- 2 Conductor • Mounting hardware included

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each 1	10	25
502-3501FPX	3501FPX	P	Front mount, natural insulator	1.67	1.52	1.44
502-3501FRX	3501FRX	Q	Rear mount, natural insulator	2.84	2.58	2.45
502-3503X	3503X	R	Extension jack, shielded handle	4.20	3.82	3.63

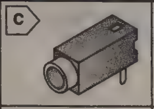
MOUNTING HARDWARE - WASHERS

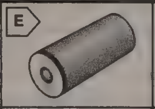
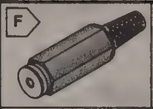
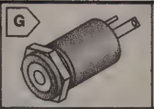
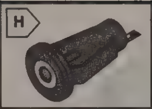
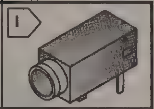
502-S2207	S2207	--	Rigid plastic washer	.40	.36	.34
502-S1564	S1564	--	Swedged gray fiber washer	.44	.40	.38
502-S-1028	S1028	--	Rigid plastic washer (Brown)	.17	.16	.15
502-S-1029	S1029	--	Swedged fiber washer	.37	.34	.32

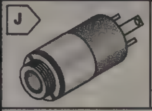
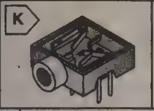
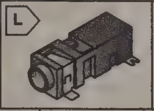
KOBICONN Phone Jacks

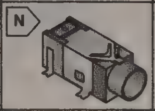
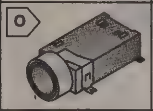
A

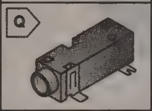
B

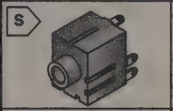
C

D

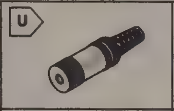
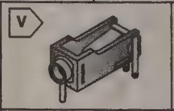
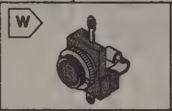
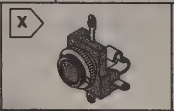
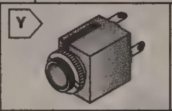
E

F

G

H

I


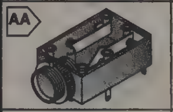
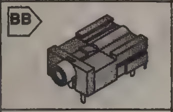
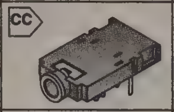
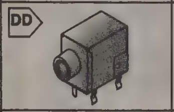
J

K

L

M

N

O

P

Q

R

S

T

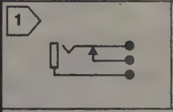
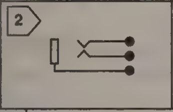
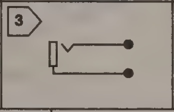
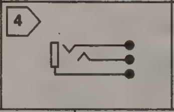
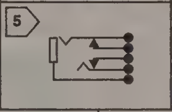
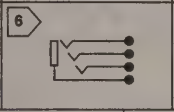
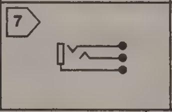
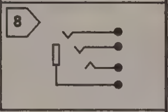
U

V

W

X

Y

Z

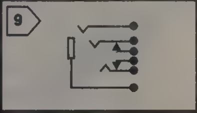
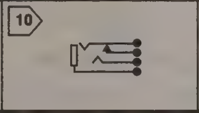
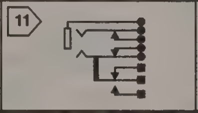
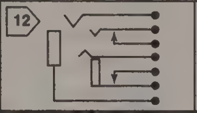
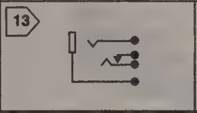
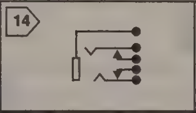
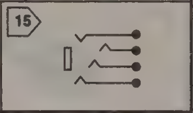
AA

BB

CC

DD

EE

FF

GG

HH

1

2

3

4

5

6

7

8


9

10

11

12

13

14

15


2.5MM JACKS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each		
					1	10	100
Mono							
161-0125	A	0.18	1	Plastic, N/C swc. with spring, chassis mount	.49	.38	.34
16PJ100	B	0.18	1	Knurled nut, washer, N/C swc., chassis mnt	.87	.70	.61
161-2505-E	C	0.22	2	Enclosed, open circuit, PCB mount	.62	.42	.38
161-2504	D	0.18	1	Enclosed plastic housing, N/C swc., PCB mnt	.95	.72	.65
16PJ105-EX	E	- - -	3	Black plastic handle, in-line	.74	.57	.52
16PJ227-EX	F	- - -	3	Black PVC molded handle w/strain relief, in-line	.80	.61	.55
161-1650-EX	G	0.32	3	Plastic housing, panel mount	.78	.60	.55
161-165SP-EX	H	0.35	3	2-cond. sub-mini mono jack, black, snap-in	.88	.68	.52
Stereo							
161-2502	I	- - -	4	3-conductor, PCB mount	1.08	.90	.82
161-7000-EX	J	- - -	4	Panel mount plastic/metal housing	1.29	.99	.91
161-7100-EX	G	- - -	4	Plastic housing, panel mount	.87	.67	.61
161-2508-EX	K	- - -	5	PC mount with two N/C switches - no nut	.91	.69	.64
161-2225-EX	F	- - -	4	In-line with strain relief	1.29	.99	.91
161-071SP-EX	H	0.35	4	3-conductor sub-mini stereo jack, black	1.47	1.13	.87
4 Conductor							
161-6425-EX	F	- - -	6	Black plastic housing with strain relief	1.10	.85	.77
161-5425-EX	G	- - -	6	Gray plastic housing	1.10	.85	.77
161-6900-EX	J	- - -	6	Plastic/metal housing with hex nut	1.39	1.17	1.06
161-068SP-EX	H	0.35	8	Sub-miniature jack, grey, snap-in	1.47	1.13	.87

2.5MM SMT JACKS

◆ Available on tape & reel as special order.
Add /TR to end of P/N.

RoHS Compliant

• RoHS Compliant per Kobiconn documentation

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each		
					1	10	100
Stereo							
161-4123-E	L	0.18	7	Black plastic open circuit	.71	.55	.50
161-3304-E	L	- - -	7	Black LCP plastic +85°C temperature	.76	.58	.53
◆161-2622-E	M	0.17	7	Black plastic open circuit	.89	.59	.54
◆161-2625-E	N	0.17	7	Black plastic open circuit	.95	.73	.67
4 Conductor							
161-2828-E	O	0.22	9	4-conductor closed circuit	1.18	.91	.83
◆161-2624-E	P	0.17	9	4-conductor closed circuit	1.39	1.16	1.06

3.5MM SMT JACKS

◆ Available on tape & reel as special order.
Add /TR to end of P/N.

RoHS Compliant

• RoHS Compliant per Kobiconn documentation

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each		
					1	10	100
Mono							
161-4035-E	Q	0.22	1	Black plastic NC switch	.76	.58	.53
◆161-3334-E	R	0.22	3	Black plastic open circuit	.91	.60	.55
Stereo							
161-4033-E	Q	0.22	4	Black plastic open circuit	.76	.58	.53
161-4034-E	Q	0.22	13	Black plastic NC switch	.76	.58	.53
161-3935-E	R	0.27	4	Black plastic open circuit	.76	.58	.53
◆161-3335-E	P	0.22	14	Black plastic 2 NC switches	.99	.77	.70
4 Conductor							
161-3934-E	R	0.27	15	4-conductor open circuit	.88	.68	.62

3.5MM JACKS

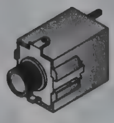
* With threaded bushing † With knurled nut

For quantities 500 and up, call for quote.

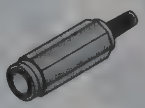
MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each		
					1	10	100
Mono							
16PJ135	A	0.27	1	Black plastic, N/C switch w/spring, chassis mnt	.27	.21	.19
16PJ137	A	0.27	1	White plastic, N/C switch w/spring, chassis mnt	.29	.22	.20
16PJ136	S	0.27	1	Fully enclosed blk plastic, N/C switch, chassis mnt	.31	.24	.22
16PJ138	A	0.27	1	Beige plastic, N/C switch w/o spring, chassis mnt	.36	.28	.25
†*161-3101	T	0.27	1	Enclosed plastic housing, N/C switch, PCB mnt	1.21	.94	.85
16PJ011	B	0.27	1	Knurled nut, washer, N/C switch, chassis mnt	1.04	.80	.73
161-3525	D	0.28	1	Enclosed plastic housing, N/C switch, PCB mnt	1.05	.81	.74
16PJ012	B	0.27	1	Hex dress nut, washer, N/C switch, chassis mount	1.08	.83	.76
16PJ119-EX	E	- - -	3	Black plastic handle, in-line	.74	.57	.52
16PJ225-EX	F	- - -	3	Black PVC molded handle w/strain relief, in-line	.80	.61	.55
161-3505	C	0.27	1	Black plastic, closed circuit, PCB mount	1.23	.95	.86
161-3200-EX	U	- - -	3	Shielded handle with black strain relief, in-line	1.39	1.16	1.05
†*161-3400-EX	V	0.27	1	Blk plastic, knurled dress nut, PCB mnt, N/C switch	.77	.60	.54
161-3412-EX	V	0.27	1	Black plastic, PCB mount, N/C switch	.70	.54	.48
161-1640-EX	G	0.32	3	Plastic housing, panel mount	.78	.60	.55
161-164SP-EX	H	0.35	3	2 Cond mini mono jack, black	.88	.68	.52
161-MJ153-EX	B	- - -	- - -	2 Cond mini mono jack, closed circuit	1.44	1.11	.85
161-MJ080-EX	W	- - -	3	2 Cond mini mono jack, open circuit	1.40	1.08	.83
161-MJ081-EX	X	- - -	- - -	2 Cond mini mono jack, closed circuit	1.59	1.22	.94
Stereo							
†161-3402-E	A	0.27	4	Black plastic, open circuit, chassis mount	.43	.33	.30
†161-3502	Y	0.27	4	Black plastic, solder term, open circuit, chassis mnt	1.29	.99	.91
161-3504	Z	0.27	5	2-SPST N/C switches, PCB mount	1.23	.95	.86
*161-MJ352-EX	AA	0.27	4	Black plastic, open circuit, with nut, PCB mount	1.26	.97	.87
16PJ106-EX	F	- - -	4	Black PVC molded handle w/strain relief, in-line	1.16	.96	.88
†161-3540	T	0.32	5	2-SPST N/C switches, PCB mount	1.32	1.10	.99
†161-3541	T	0.32	5	2-SPST N/C switches, PCB mount, isolated bushing	1.41	1.18	1.07
161-3300-EX	U	- - -	4	Shielded with black strain relief, in-line	1.52	1.27	1.15
16PJ108-EX	BB	0.27	10	Black plastic housing, closed circuit, PCB mount	1.23	1.03	.94
*161-3500	AA	0.27	10	Black plastic, 1-SPST N/C swc., with nut, PCB mnt	1.42	1.19	1.08
161-3503-EX	CC	0.27	11	2-SPST N/C switches plus 1-SPDT swc., PCB mnt	1.44	1.20	1.09
*161-3499	AA	0.27	5	Black plastic, 2-SPST N/C swc., with nut, PCB mnt	1.74	1.34	1.22
†*161-3507-E	AA	0.27	4	Black plastic, open circuit, with nut, PCB mount	.79	.53	.48
†*161-3508-E	AA	0.27	5	2-SPST N/C switches, PCB mount	.74	.57	.52
†*161-3509-E	AA	0.27	10	1-SPST N/C switch, PCB mount	.72	.55	.50
161-7300-EX	G	0.32	4	Plastic housing, panel mount	.87	.67	.61
161-7400-EX	J	0.24	4	Panel mount, plastic/metal housing	1.29	.99	.91
†161-3551	Y	0.27	5	Black plastic 2-SPST N/C switches	1.66	1.39	1.26
†161-3552	CC	0.27	5	Black plastic 2-SPST N/C switches	1.48	1.23	1.11
161-3153-E	DD	0.27	4	Metal shielded open circuit	.69	.47	.43
161-3155-E	DD	0.27	5	Metal shielded closed circuit	.74	.53	.48
161-MJ082-EX	EE	- - -	- - -	3-conductor, mini stereo jack, open circuit	1.59	1.22	.94
161-MJ083-EX	FF	- - -	- - -	3-conductor, mini stereo jack, closed circuit	1.74	1.34	1.03
161-073SP-EX	H	0.35	5	3-conductor, mini stereo jack, Black	1.37	1.05	.81
161-064SP-EX	H	0.35	3	4-conductor, mini jack grey	1.47	1.13	.87
161-MJ2735-5-E	GG	- - -	12	Stereo, earphone jack, PC mount	.95	.70	.58
161-MJ2735-3-E	GG	- - -	5	Stereo, earphone jack, PC mount	1.37	1.05	.81
4 Conductor							
161-6435-EX	F	- - -	- - -	Black plastic housing with strain relief	1.10	.85	.77
161-5435-EX	G	0.32	- - -	Gray plastic housing with strain relief	1.10	.85	.77
161-7900-EX	J	0.30	- - -	Plastic/metal housing with hex nut	1.39	1.17	1.06
*161-5350-E	HH	0.27	12	Black plastic 1 NC switch, 1SPST NC switch	.99	.77	.70

KOBICONN Phone Jacks and Iris Connectors

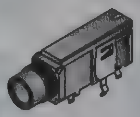
A



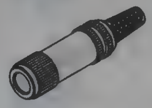
B



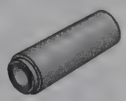
C



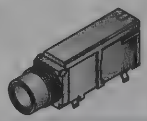
D



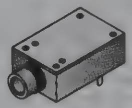
E



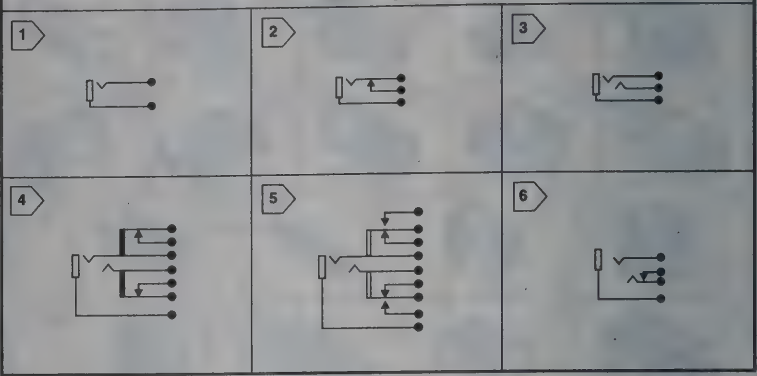
F



G



Circuit Diagrams



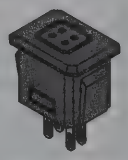
1/4" JACKS

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Mtg. Hole (In.)	Ckt. Dia.	Description	Price Each		
					1	10	100
Mono							
∗ **161-0023-E**	A	.37	1	Open circuit, enclosed, chassis mount	**1.04**	**.80**	**.72**
161-1203-EX	B	---	1	With black strain relief, in-line	**1.31**	**1.09**	**.99**
∗ **161-0085-E**	A	.49	2	With switch, N/C enclosed, chassis mount	**1.33**	**1.11**	**1.01**
∗ **16PJ500**	C	.49	2	PCB with switch, N/C enclosed	**1.41**	**1.17**	**1.06**
161-1200-EX	D	---	1	Shielded with black strain relief, in-line	**2.76**	**2.30**	**2.09**
Stereo							
16PJ226-EX	E	---	3	Open circuit, in-line	**1.22**	**1.02**	**.93**
161-1303-EX	B	---	3	With black strain relief, in-line	**1.39**	**1.16**	**1.05**
∗ **16PJ509**	F	.49	3	Open circuit, enclosed, PCB mount	**1.44**	**1.20**	**1.09**
∗ **161-0081-E**	A	.37	3	Stereo open circuit, enclosed, chassis mount	**1.11**	**.93**	**.84**
∗ **161-0083-E**	A	.37	4	2-SPST N/C, enclosed, chassis mount	**1.53**	**1.28**	**1.16**
∗ **161-0086-E**	A	.49	4	2-SPST N/C, enclosed, chassis mount	**1.73**	**1.44**	**1.31**
∗ **161-0087-E**	A	.49	5	DPDT N/C, chassis mount	**2.13**	**1.77**	**1.61**
∗ **161-0084-E**	A	.37	5	DPDT N/C, enclosed, chassis mount	**2.01**	**1.67**	**1.52**
161-1300-EX	D	---	3	Shielded with black strain relief, in-line	**2.99**	**2.49**	**2.26**
161-0030	G	.55	3	Enclosed PCB mount	**1.72**	**1.43**	**1.29**
161-0035	G	.55	6	With switch, N/C, PCB mount	**1.95**	**1.63**	**1.47**

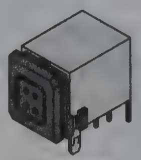
∗ With nut and washer where included

A

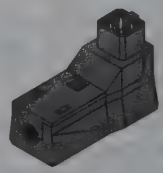


Front Panel Mount Shown

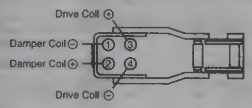
B



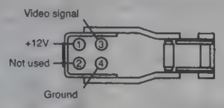
C



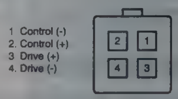
DC Control Voltage type for Camera Plug



Video Signal Input type for Camera Plug



Plug



IRIS CONNECTORS

Features:

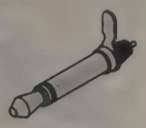
- Low Power Signal Control
- Security Video Cameras
- RoHS Compliant per Kobiconn documentation

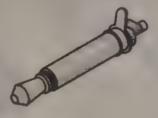
RoHS Compliant

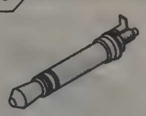
For quantities 500 and up, call for quote.

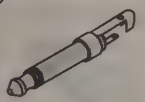
MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
Jacks					
163-156N-1-E	A	Snap-In, Front Panel Mount	**2.87**	**2.21**	**1.70**
163-156N-2-E	A	Snap-In, Front Panel Mount for PC Board	**2.87**	**2.21**	**1.70**
163-158N-1-E	A	Snap-In, Rear Panel Mount	**2.87**	**2.21**	**1.70**
163-158N-2-E	A	Snap-In, Rear Panel Mount for PC Board	**2.87**	**2.21**	**1.70**
163-157J-E	B	Snap-In, PCB Mount	**2.87**	**2.21**	**1.70**
Plugs					
163-191J-E	C	Camera Plug, 2 pc, Cable Size ø2-4	**3.16**	**2.43**	**1.87**
163-196J-E	C	Camera Plug, 2 pc, Cable Size ø3	**4.89**	**3.76**	**2.89**

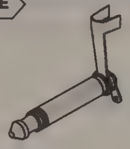
KOBICONN Phone Plugs

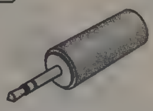
A


B


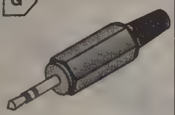
C


D


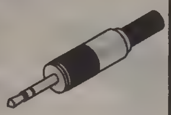
E


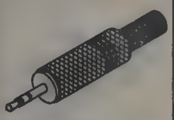
F


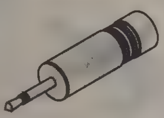
Stereo Type Shown

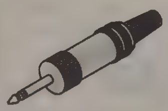
G


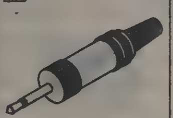
Stereo Type Shown

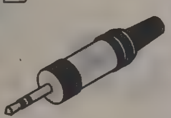
H


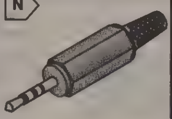
I


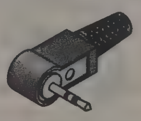
J


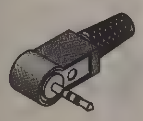
K


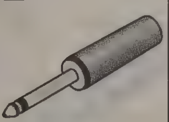
L


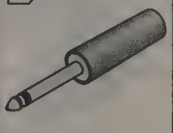
M


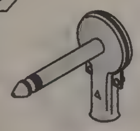
N


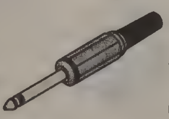
O


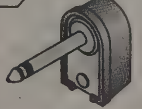
P


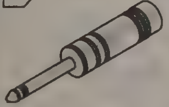
Q


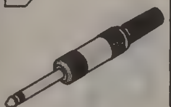
R


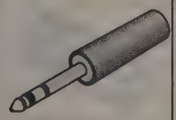
S


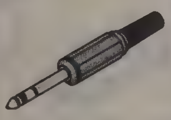
T


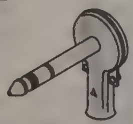
U


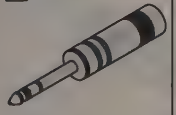
V


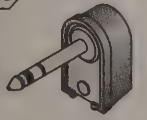
W


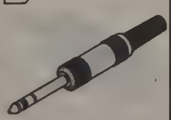
X


Y


Z


AA


BB


CC


CUSTOM MOLDING PLUGS

Features:
- Nickel plated brass contacts
- Ideal for molding to your cable

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
171-3206	A	2.5mm mono plug, straight or right angle	.57	.44	.40	.37
171-P3154-L-E	B	3.5mm mono plug, straight or right angle	.61	.47	.43	.39
171-3204	C	3.5mm stereo plug, straight or right angle	1.10	.85	.77	.70
17PP111	E	1/4" mono plug, high rel. 2 conductor	1.57	1.21	1.10	1.00
171-P6107-L-3S-E	D	1/4" mono plug, standard 2 conductor	.68	.53	.48	.44
17PP112	E	1/4" stereo plug, high rel. 3 conductor	2.21	1.70	1.55	1.41

2.5MM PLUGS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
Mono						
171-101A-EX	F	Economy, black plastic handle, unshielded	.81	.56	.51	.46
17PP053-EX	F	Black plastic handle, plastic threaded bushing, unshielded	.61	.41	.37	.34
171-3304-EX	G	Plastic threaded bushing, .33" (D) x 1.5" (L), unshielded	.61	.41	.37	.34
171-PA2181-2-E	I	Shield handle spring strain relief	1.37	1.05	.96	.87
171-0250-EX	O	Right angle with strain relief	.83	.64	.58	.53
Stereo						
171-3305	F	Black plastic handle, unshielded	3.23	2.49	2.26	2.06
171-0025-EX	G	Metal threaded bushing, strain relief	1.35	1.12	.99	.93
171-3306	H	Spring strain relief, shielded	3.40	2.62	2.37	2.16
171-PA2281-2-E	I	Shield handle w/ spring strain relief and solder terminals	1.79	1.37	1.25	1.14
171-3325-EX	O	Right angle with strain relief	1.16	.97	.88	.80
4 Conductor						
171-7425-E	N	Black plastic handle with strain relief	1.70	1.31	1.19	1.08

3.5MM PLUGS

† Insulated sleeve, black strain relief

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
Mono						
171-PA3191-GY-E	F	Gray plastic handle w/ metal threaded bushing, unshielded	.89	.68	.62	.56
17--PA3191-1RED-E	F	Red plastic handle w/ threaded metal bushing, unshielded	.83	.64	.58	.53
171-PA-3191-1-E	F	Black plastic handle with metal threaded bushing, unshielded	.71	.55	.50	.45
17PP047-EX	G	Plastic threaded bushing, .40" (D) x 2" (L), unshielded	.63	.48	.44	.40
171-3302-EX	G	Metal threaded bushing, .33" (D) x 1.5" (L), unshielded	.81	.62	.56	.51
171-3500-E	F	Black plastic handle w/ threaded metal bushing, unshielded	.75	.58	.53	.48
171-PA3191-2-E	I	Shielded handle spring strain relief	1.27	.98	.89	.81
171-1041	J	Metal plug, insulated sleeve, shielded	1.86	1.43	1.30	1.18
171-3200-EX	K	Black strain relief, insulated sleeve, U.S. tip, shielded	1.31	1.09	.99	.89
171-3201-EX	L	Black strain relief, insulated sleeve, Japan tip, shielded	1.31	1.09	.99	.89
171-0350-EX	O	Right angle with strain relief	.69	.53	.48	.44
Stereo						
171-PA3291-1-E	F	Black plastic handle with threaded bushing	.85	.64	.59	.54
17PP004-EX	G	Hi-rel, molded, plastic threaded bushing w/strain relief, unshield	1.11	.86	.78	.71
†171-3300-EX	M	Plastic bushing screw threads, .37" (D) x .98" (L), shielded	1.64	1.37	1.24	1.13
†171-3301-EX	M	Metal bushing screw threads, .37" (D) x .98" (L), shielded	1.82	1.51	1.38	1.25
171-3308-EX	BB	Black plastic body, right angle, unshielded	1.02	.78	.71	.65
171-PA3291-2-E	I	Shielded handle spring strain relief	1.46	1.12	1.02	.93
4 Conductor						
171-7435-EX	N	Black plastic handle with strain relief	1.53	1.27	1.16	1.05
171-6435-EX	P	Right angle with strain relief	1.74	1.45	1.32	1.20

1/4" PLUGS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
Mono						
17PP201	Q	Red plastic body, unshielded	1.04	.80	.72	.65
17PP202	Q	Black plastic body, unshielded	1.14	.95	.87	.79
171-PA61111-1-E	R	Black plastic body, unshielded	.85	.65	.59	.54
171-1206	S	Nickel plated, all metal, right angle	1.69	1.13	1.03	.94
171-1204-EX	T	Black plastic body, unshielded	1.15	.88	.80	.73
171-1205-EX	T	Gray plastic body, unshielded	1.15	.88	.80	.73
17PP057-E	U	Black plastic body, right angle, unshielded	1.53	1.28	1.16	1.05
17PP056	V	Metal body, shielded	2.70	2.08	1.89	1.72
171-1200-EX	W	Metal body with red strain relief, shielded	2.35	1.96	1.79	1.62
171-1201-EX	W	Metal body with black strain relief, shielded	2.35	1.96	1.79	1.62
Stereo						
171-PA62111-1-E	X	Black plastic body, unshielded	1.04	.80	.73	.66
171-1304-EX	Y	Black plastic body, unshielded	1.80	1.39	1.26	1.15
171-1306	Z	Nickel plated, all metal, right angle	2.21	1.47	1.34	1.22
17PP054	AA	Metal body, shielded	2.87	2.21	2.01	1.82
17PP071-EX	BB	Black plastic body, right angle, unshielded	2.38	1.98	1.80	1.64
171-1300-EX	CC	Metal body with red strain relief, shielded	2.86	2.39	2.17	1.97
171-1301-EX	CC	Metal body with black strain relief, shielded	2.86	2.39	2.17	1.97
171-1302-EX	CC	Metal body with gray strain relief, shielded	2.86	2.39	2.17	1.97

KOBICONN Phono Plugs and Jacks

PHONO PLUGS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
Shielded						
171-8114	A	Metal body for RG59 with ferrule, 6.8mm crimp	.68	.52	.47	.43
17PP058	B	RCA phono plug	.94	.72	.65	.60
171-4202	C	Gold plating over nickel plated brass	2.21	1.84	1.67	1.52
Non-Shielded						
17PP050	D	Uninsulated brass, .06 Diameter	.21	.16	.15	.12
17PP051	E	Red plastic insulator, hollow center pin	.77	.52	.46	.42
17PP052	E	Black plastic insulator, hollow center pin	.73	.48	.42	.39
171-0530	E	Hi-temp. phenolic insulator, hollow center pin	.78	.59	.54	.48
171-0520	E	Black plastic barrel with solid center pin	.80	.68	.56	.50
174-4356-E	F	General purpose w/strain relief & red ID ring	.66	.44	.40	.37
174-4357-E	F	General purpose w/strain relief & white ID ring	.66	.44	.40	.37
174-4358-E	F	General purpose w/strain relief & yellow ID ring	.66	.44	.40	.37
174-4359-E	F	General purpose w/strain relief & black ID ring	.66	.44	.40	.37
171-8110	G	Right angle with black plastic handle	1.93	1.48	1.35	1.23
171-8112	H	Black molded PVC strain relief/handle	1.90	1.27	1.15	1.05
174-0051-E	I	Red with hollow center pin	.56	.38	.34	.31
174-0052-E	I	Black with hollow center pin	.56	.38	.34	.31
174-AD31RJ-1	J	3.5 Mono Plug-RCA Jack	1.13	1.03	.79	.61
174-0053-E	I	White with hollow center pin	.56	.38	.34	.31
174-0054-E	I	Yellow with hollow center pin	.56	.38	.34	.31
174-0151-E	F	Red body with strain relief	.66	.44	.40	.37
174-0152-E	F	Black body with strain relief	.66	.44	.40	.37
174-0153-E	F	White body with strain relief	.66	.44	.40	.37
174-0154-E	F	Yellow body with strain relief	.66	.44	.40	.37
174-0251-E	K	Red right angle with strain relief	.84	.64	.59	.53
174-0252-E	K	Black right angle with strain relief	.84	.64	.59	.53
174-0253-E	K	White right angle with strain relief	.84	.64	.59	.53
174-0254-E	K	Yellow right angle with strain relief	.84	.64	.59	.53

PHONO JACKS

Panel Mount

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
16PJ512	L	Dual RCA phono jack, all black	.91	.70	.63	.57
162-5122	L	Dual RCA phono jack, black and red	1.13	.76	.68	.63
16PJ052	M	Nickel plated grounded black insulator	.69	.53	.48	.43
161-1002	M	Nickel plated grounded red insulator	.69	.53	.48	.43
161-1004	M	Nickel plated grounded white insulator	.69	.53	.48	.43
161-1005	M	Nickel plated grounded yellow insulator	.69	.53	.48	.43
161-1052	N	Front mounting 9mm hex base black insulator	.82	.63	.57	.52
161-1053	N	Front mounting 9mm hex base red insulator	.82	.63	.57	.52
161-1054	N	Front mounting 9mm hex base yellow insulator	.82	.63	.57	.52
161-1055	N	Front mounting 9mm hex base white insulator	.82	.63	.57	.52
*161-2002	O	Nickel plated grounded red insulator	1.09	.84	.76	.69
*161-2003	O	Nickel plated grounded black insulator	1.09	.84	.76	.69
161-2052	O	Nickel plated grounded black insulator	.85	.65	.59	.48
164-4215	O	Front mounting, grounded jack	1.62	1.48	1.34	1.22
16PJ514	P	Quadruple RCA jack	.98	.75	.68	.62
16PJ035	Q	Rear mounting, grounded jack, black	1.41	1.17	1.06	.97
161-0351	Q	Rear mounting, grounded jack, red	1.41	1.17	1.06	.97
161-4003	M	Gold plated grounded black insulator	1.82	1.51	1.38	1.25
161-4202	M	Front mounting gold plated, grounded	2.54	1.96	1.78	1.62
161-0251-EX	R	With red outside I.D. ring	.87	.67	.61	.55
161-0252-EX	R	With black outside I.D. ring	.87	.67	.61	.55
161-0253-EX	R	With white outside I.D. ring	.87	.67	.61	.55
161-0254-EX	R	With yellow outside I.D. ring	.87	.67	.61	.55

*With insulating nylon washers

PCB Mount

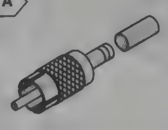
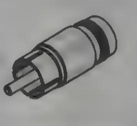
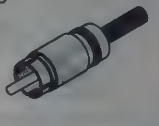
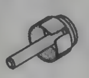
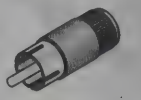
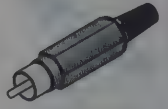
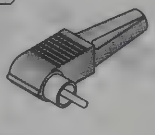
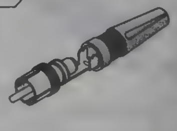
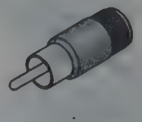
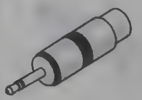
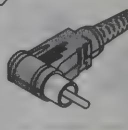
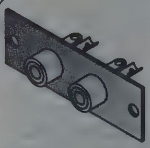
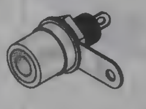
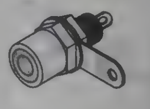
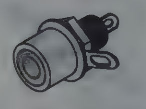
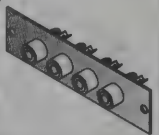
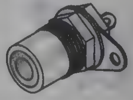
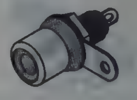
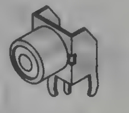
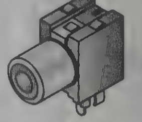
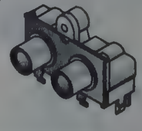
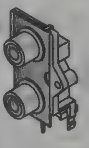
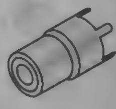
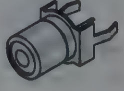
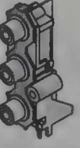
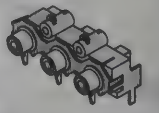
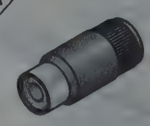
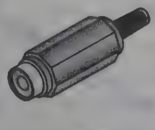
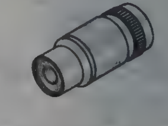
For quantities of 1000 and up, call for quote.

161-4215	S	90° nickel plated red ABS insulator 70°C	.67	.52	.47	.43
161-4214	S	90° nickel plated white ABS insulator 70°C	.67	.52	.47	.43
161-4216	S	90° nickel plated black phenolic insulator 200°C	.67	.52	.47	.43
161-0360-E	S	90° tin plated white ABS insulator 70°C	.53	.35	.32	.29
161-0370-E	S	90° tin plated red ABS insulator 70°C	.53	.35	.32	.29
161-0380-E	S	90° tin plated yellow ABS insulator 70°C	.53	.35	.32	.29
161-0390-E	S	90° tin plated black ABS insulator 70°C	.53	.35	.32	.29
161-0096-E	T	Non-switched PC mount jack, red	.55	.42	.38	.34
161-0097-E	T	Non-switched PC mount jack, black	.55	.42	.38	.34
161-0098-E	T	Non-switched PC mount jack, white	.55	.42	.38	.34
161-0099-E	T	Non-switched PC mount jack, yellow	.55	.42	.38	.34
161-4218-E	U	Horiz. mounted, dual, with red/white insulator	.75	.57	.52	.48
161-4220-E	U	Horiz. mount, dual, red/white insul., gold plated	.87	.67	.61	.56
161-4219-E	V	Vert. mounted, dual, with red/white insulator	.57	.44	.40	.39
161-4217	S	90° gold shell, nickel con., brown phenolic in. 200°C	1.08	.83	.76	.69
16PJ092-E	W	Jack for printed circuit board, black	.58	.44	.41	.37
534-577	X	Jack for printed circuit board	.90	.75	.62	.54
161-0396-E	T	Jack for printed circuit board	.99	.66	.60	.55
161-4221-E	T	Vert. mount, dual, red/white insul., gold plated	.90	.76	.69	.63
161-4319-E	Y	Vert. mount, triple, red, white and yellow	1.37	1.14	1.04	.95
161-4320-E	Y	Vert. mount, triple, red, green and blue	1.37	1.14	1.04	.95
161-4222-E	Z	Horiz. mount, triple, red, green and blue	1.11	.85	.78	.71
161-4223-E	Z	Horiz. mount, triple, red, white and yellow	1.11	.85	.78	.71

Cable Mount

For quantities of 1000 and up, call for quote.

161-0103	AA	Black plastic	.52	.34	.31	.28
161-0110	AA	Red plastic	.52	.34	.31	.28
161-4356-E	BB	Red ID ring	.66	.44	.40	.37
161-4357-E	BB	White ID ring	.66	.44	.40	.37
161-4358-E	BB	Yellow ID ring	.66	.44	.40	.37
161-4359-E	BB	Black ID ring	.66	.44	.40	.37
16PJ150	CC	Shielded	.74	.57	.52	.47
161-0151-E	BB	Red handle with strain relief	.66	.44	.40	.37
161-0152-E	BB	Black handle with strain relief	.66	.44	.40	.37
161-0153-E	BB	White handle with strain relief	.66	.44	.40	.37
161-0154-E	BB	Yellow handle with strain relief	.66	.44	.40	.37

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC


SWITCHCRAFT Phone Plugs

MICRO-PLUG® .097" SUBMINIATURE PHONE PLUGS

2-conductor phone plugs for use with Micro-Jax® phone jacks, accommodates cables up to .125" (3.18mm) **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Jack	Description	Price Each			
					1	10	25	100
502-850X	850X	A	TR2A	Black handle, solder lug	4.99	4.54	4.31	4.09
502-855X	855X	A	TR2A	Red handle, solder lug	4.99	4.54	4.31	4.09
502-880X	880X	A	TR2A	Natural handle, solder lug	3.98	3.62	3.44	3.26
502-851X	851X	B	TR2A	Black handle, solder lug (Locking feature)	5.46	4.96	4.71	4.46

TINI-PLUG® .141" MINIATURE PHONE PLUGS

2-conductor phone plugs for use with Tini-Jax® phone jacks 1/3 the size of standard phone plugs. Maximum cable O.D. is .218" (5.54 mm).

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Jack	Description	Price Each			
					1	10	25	100
502-740	740	C	41	Black handle, screw terminals	4.75	4.32	4.10	3.89
502-745	745	C	41	Red handle, screw terminals	4.75	4.32	4.10	3.89
502-750	750	C	41	Black handle, solder lug, and cable clamp	3.15	2.86	2.72	2.57
502-755	755	C	41	Red handle, solder lug, and cable clamp	4.55	4.14	3.93	3.73
502-780	780	A	41	Shielded handle, solder lug, and cable clamp	6.18	5.62	5.34	5.06

LITTEL PLUG® 1/4" COMMERCIAL PHONE PLUGS

Solder terminals include built-in cable clamps. Shielded metal handles are nickel plated brass. Maximum cable diameter is .297" (7.54mm)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Jack	Description	Price Each			
					1	10	25	100
2 Conductor								
502-240	240	D	11	Black handle, screw terminal	4.11	3.74	3.55	3.37
502-250	250	D	11	Black handle, solder lug, and cable clamp	3.31	3.08	2.91	2.74
502-255	255	D	11	Red handle, solder lug, and cable clamp	4.80	4.36	4.14	3.92
502-270	270	E	11	Shielded handle, screw terminal	7.13	6.48	6.16	5.83
502-280	280	E	11	Shielded handle, solder lug, and cable clamp	3.44	3.26	3.08	2.90
502-440X	440X	D	C-11	Shield. handle, screw term., MIL-TYPE PJ-055B	11.29	10.26	9.75	9.23
3 Conductor								
502-260	260	D	12B	Black handle, screw terminal	7.96	7.24	6.88	6.52
502-267	267	D	12B	Black handle, solder lug, and cable clamp	5.43	4.94	4.69	4.45
502-269	269	D	12B	Red handle, solder lug, and cable clamp	6.78	6.16	5.85	5.54
502-297	297	E	12B	Shielded handle, solder lug, and cable clamp	4.62	4.37	4.13	3.89
502-480X	480X	D	S830	Shield. handle, screw term., MIL-TYPE PJ-068	19.01	17.28	16.42	15.55

1/4" COMMERCIAL PHONE PLUGS

General purpose plug fits all standard jacks.
All essential conducting members are brass with external parts nickel plated.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Jack	Conductor	Description	Price Each			
						1	10	25	100
502-70	70	E	11	2	Shielded handle, screw terminal	9.02	8.20	7.79	7.38
502-170	170	F	11	2	Shielded handle, screw terminal	10.49	9.54	9.06	8.59
502-60	60	D	12	3	Black handle, solder lug	7.37	6.70	6.37	6.03

1/4" MITI-PLUG® AUDIO PLUG

2 Conductor phone plug with full shielding and resistance to extremely rough usage for electrified audio instruments such as amplifiers, synthesizers power heads, and speaker systems requiring high-quality audio plugs. **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Jack	Description	Price Each			
					1	10	25	100
502-174SX	174SX	G	11	Flex relief spring	13.49	12.26	11.65	11.03

1/4" FLAT PHONE PLUGS

"Chassis-hugging" phone plugs allow cables to be brought out at right angles to equipment.
Terminals and body of plug mechanically interlocked, eliminating probability of any shifting. **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Jack	Description	Price Each			
					1	10	25	100
2 Conductor								
502-228	228	H	11	Shielded handle, solder lug	5.30	4.82	4.58	4.34
502-220	220	I	11	Black handle, screw terminal	7.13	6.48	6.16	5.83
502-227	227	I	11	Black handle, solder lug	3.83	3.48	3.31	3.13
3 Conductor								
502-238X	238X	H	12B	Shielded handle, solder lug	8.56	7.78	7.39	7.00

1/4" RIGHT ANGLE AUDIO PHONE PLUG

- Designed for OEM's and users of commercial phone plugs.
- Large terminals for easy wiring
- Only 3 pieces to assemble handle, insulator, and finger/housing assembly
- Rugged reliability for stable, long-term, trouble-free operation

For quantities of 500 and up, call for quote.

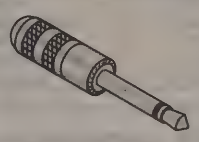
MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Jack	Description	Price Each			
					1	10	25	100
502-226	226	J	11,12A,111,112A	2 conductor, screw terminal	4.18	3.94	3.71	3.48

.206" COMMERCIAL PHONE PLUGS FOR POLARIZED CONNECTIONS

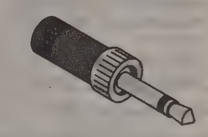
Designed for applications requiring polarization to prevent insertion of incorrect equipment. **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Mating Jack	Description	Price Each			
					1	10	25	100
2 Conductor								
502-S-250	S250	D	S11	Black handled, solder lug, and cable clamp	5.26	4.78	4.54	4.30
502-S-280	S280	E	S11	Shielded handle, solder lug, and cable clamp	7.04	6.40	6.08	5.76
3 Conductor								
502-S-260	S260	D	S12B	Black handle and screw terminal	8.47	7.70	7.32	6.93
502-S267	S267	D	S12B	Black handle, solder lug, and cable clamp	9.02	8.20	7.79	7.38

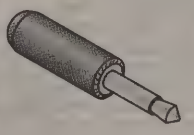
A



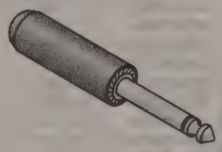
B



C

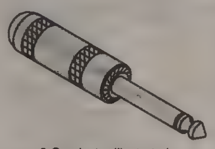


D



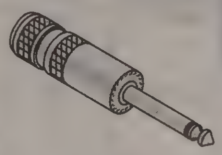
2-Conductor Illustrated

E

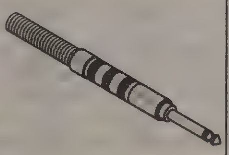


2-Conductor Illustrated

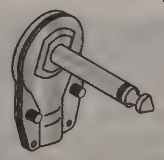
F



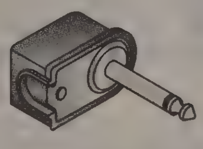
G



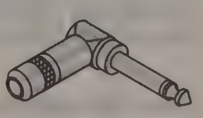
H



I



J



SWITCHCRAFT Phone Plugs and Power Connectors

PHONO PLUGS

All have nickel plated pins.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each			
				1	10	25	100
502-3501MX	3501MX	A	Nickel handle	.75	.68	.65	.61
502-3501MCX	3501MCX	B	Nickel handle with cable clamp	1.67	1.52	1.44	1.37
502-3502	3502	C	Nickel handle	2.33	2.12	2.01	1.80
502-35581X	35581	D	Red plastic handle	2.35	2.14	2.03	1.93
502-35582X	35582	D	Black plastic handle	2.35	2.14	2.03	1.93

POWER CONNECTORS - JACKS AND PLUGS

Designed for AC-DC power connector and/or battery charger connections for electronics equipment.
Split center, center pin, for more secure connections. Mounts in .312" diameter hole in panels up to .125"

Straight Miniature Power Jacks

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Jack	Description	Price Each			
						1	10	25	100
502-712A	712A	E	.100"/2.5	760	Solder lug	2.35	2.14	2.02	1.84
502-L712A	L712A	F	.100"/2.5	761K	Solder lug, long bushing	3.82	3.48	3.13	2.84
502-712RA	712RA	G	.100"/2.5	760	Right angle, pc terminal	4.33	3.94	3.74	3.55
502-L712RA	L712RA	G	.100"/2.5	761K	Right angle, pc terminal, long bushing	3.59	3.26	3.10	2.93
502-PC712A	PC712A	H	.100"/2.5	760	Straight pc terminal	3.15	2.86	2.72	2.57
502-722A	722A	E	.080"/2.0	S760	Solder lug	2.35	2.14	2.02	1.84
502-L722A	L722A	F	.080"/2.0	S761K	Solder lug, long bushing	3.82	3.48	3.13	2.84
502-722RA	L722RA	G	.080"/2.0	S760	Right angle, pc terminal, long bushing	4.62	4.20	3.99	3.78
502-PC722A	PC722A	H	.080"/2.0	S760	Straight pc terminal	3.15	2.86	2.72	2.57
502-2C1072	2C1072	–	–	–	Jack Cover for 712A and 722A	8.56	7.78	7.39	7.00

Miniature Power Plugs

- Sleeve terminal serves as cord clamp
- Plug sleeve and pin: Nickel plated copper alloy
- Molded plastic handle

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Jack	Description	Price Each			
						1	10	25	100
502-760	760	I	.100"/2.5	712A,RAPC712, RASH712, RASM712, PC712A	Black handle	2.53	2.30	2.07	1.96
502-765	765	I	.100"/2.5	712A,RAPC712, RASH712, RASM712, PC712A	Red handle	3.28	2.98	2.83	2.68
502-760K	760K	J	.100"/2.5	712A, PC712A	Black handle, locking feature	3.67	3.34	3.17	3.01
502-761K	761K	K	.100"/2.5	L712A	Black handle, locking feature	4.44	3.98	3.60	3.29
502-S-760	S760	I	.080"/2.0	722A, RAPC722, PC722A	Black handle	2.53	2.30	2.19	2.10
502-S760K	S760K	J	.080"/2.0	722A,PC722A	Black handle, locking feature	4.05	3.63	3.33	3.15
502-S761K	S761K	J	.080"/2.0	L722A	Black handle, locking feature	4.05	3.61	3.31	3.13

Right Angle Miniature Power Jacks

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Jack	Description	Price Each			
						1	10	25	100
502-RAPC712X	RAPC712X	L	.100"/2.5	760, 765	PC mount	1.17	1.06	1.01	.95
502-RASH712X	RASH712X	M	.100"/2.5	760, 765	Hybrid mount	1.47	1.34	1.27	1.21
502-RASM712X	RASM712X	N	.100"/2.5	760, 765	SMT mount	1.10	1.00	.95	.90
502-RAPC722X	RAPC722X	L	.080"/2.0	S760	PC mount	1.01	.92	.87	.83
502-RASH722X	RASH722X	M	.080"/2.0	S760	Hybrid mount	1.10	1.00	.95	.90

Locking Right Angle Jacks

For quantities of 500 and up, call for quote.

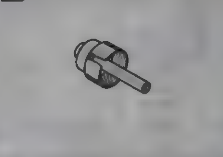
MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Mating Jack	Description	Price Each			
						1	10	25	100
502-RAPC712BK	RAPC712BK	O	.100"/2.5	760BK	PC mount	1.23	1.12	1.06	1.01
502-RAPC722BK	RAPC722BK	O	.80"/2.0	S760BK	PC mount	1.23	1.12	1.06	1.01
502-RASM712BK	RASM712BK	P	.100"/2.5	760BK	Surface mount (SMT)	1.30	1.18	1.12	1.06
502-RASM722BK	RASM722BK	P	.80"/2.0	S760BK	Surface mount (SMT)	1.30	1.18	1.12	1.06
502-RASH712BK	RASH712BK	Q	.100"/2.5	760BK	Hybrid mount (PC & SMT)	1.30	1.18	1.12	1.06
502-RASH722BK	RASH722BK	Q	.80"/2.0	S760BK	Hybrid mount (PC & SMT)	1.30	1.18	1.12	1.06

Locking Right Angle Plugs

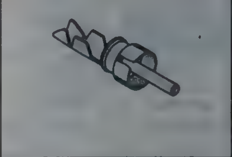
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Pin Size (In./mm)	Description	Price Each			
					1	10	25	100
502-760BK	760BK	R	.100"/2.5	Power plug, black tip insulator	3.23	2.94	2.79	2.65
502-S760BK	S760BK	R	.80"/2.0	Power plug, white tip insulator	3.23	2.94	2.79	2.65

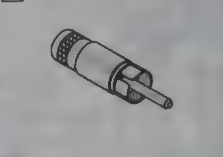
A



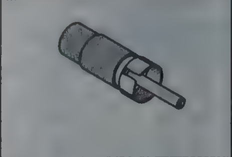
B



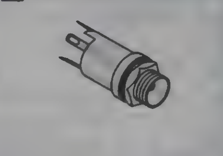
C



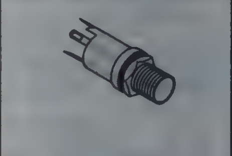
D



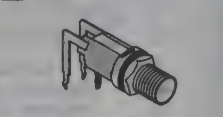
E



F

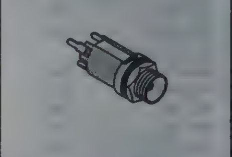


G

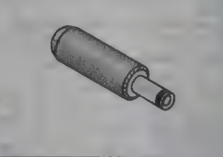


Long Bushing Illustrated

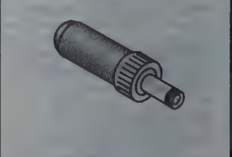
H



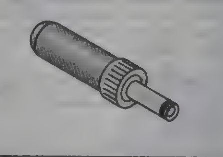
I



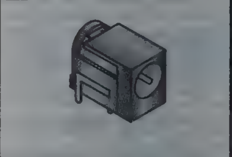
J



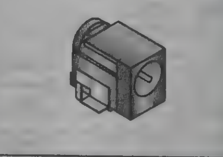
K



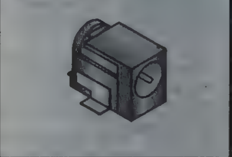
L



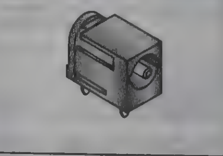
M



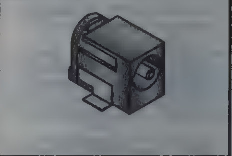
N



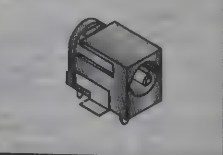
O



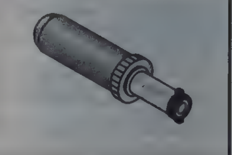
P



Q



R



DELTRON Professional Phono and DIN Connectors

PROFESSIONAL RCA PHONO PLUGS AND LINE JACKS

A range of high quality UK manufactured phono plugs and line sockets made from machined brass with various plating options

Specifications:

- Center contact: brass with silver or gold plated
- Ground contact and cable clamp: brass with nickel or gold plated
- Body and spring strain relief: brass with nickel, gold, or black chrome plate
- Current rating: 5A @ 200VDC/150VAC
- Insulation: Noryl SE1
- Insulation resistance: 100MΩ @ 500VDC
- Maximum cable size: .22"

Cable Jacks

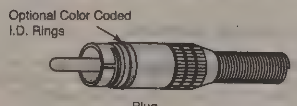
- Spring center contact for secure cable connection

MOUSER STOCK NO.	Plating		Price Each		
	Center Contact	Body	1	10	100
164-3400	Silver	Nickel	3.23	2.93	2.67
164-3410	Gold	Gold	3.63	3.30	3.00
164-3420	Gold	Black chrome	3.63	3.30	3.00

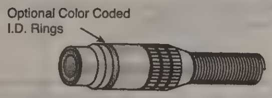
Plugs

- Ground contact with unique "T" shape slot provide maximum contact area

MOUSER STOCK NO.	Plating		Price Each		
	Center Contact	Body	1	10	100
Hollow Center Pin					
174-3300	Silver	Nickel	2.66	2.42	2.20
174-3310	Gold	Gold	3.38	3.07	2.79
174-3320	Gold	Black chrome	3.38	3.07	2.79
Solid Center Pin					
174-3330	Silver	Nickel	2.86	2.60	2.36
174-3340	Gold	Gold	3.58	3.25	2.96
174-3350	Gold	Black chrome	3.58	3.25	2.96



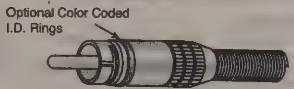
Plug



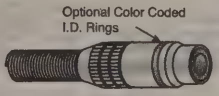
Cable Jack

COLOR CODED I.D. RINGS

These unique color coded I.D. rings provide a durable, bright coding system for Deltron professional phono plugs and line sockets.



MOUSER STOCK NO.	Color	Price Each		
		1	25	100
174-3431	Black	.17	.15	.14
174-3432	Blue	.17	.15	.14
174-3434	Green	.17	.15	.14
174-3435	Red	.17	.15	.14
174-3436	White	.17	.15	.14
174-3437	Yellow	.17	.15	.14



COLORED CAP PHONO PLUGS

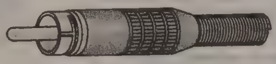
A range of high quality UK manufactured phono plugs made from machined brass with various plating options. The aluminum housing is anodized in various colors for easy identification.

Specifications:

- Current rating: 5A @ 200VDC/150VAC
- Insulation resistance: 100MΩ @ 500VDC
- Center contact, ground contact, and collet: brass with flash gold plate
- Body: anodized aluminum
- Spring: brass with black chrome plate
- Insulator: PTFE

Features:

- "T" shape ground contact for maximum contact area
- Accepts cable diameters up to .216"
- collect for cable gripping and dual grounding



MOUSER STOCK NO.	Cap Plating	Price Each		
		1	10	100
174-3461	Black anodized	4.88	4.43	4.03
174-3462	Blue anodized	4.88	4.43	4.03
174-3465	Red anodized	4.88	4.43	4.03
174-3467	Yellow anodized	4.88	4.43	4.03

PROFESSIONAL PHONO PLUGS

Designed and manufactured in the UK to the highest quality standards for use with Professional Audio Equipment.

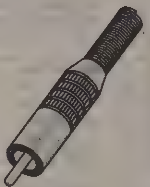
Specifications:

- Current rating: 5A @ 200VDC/150VAC
- Insulation resistance: 100MΩ @ 500VDC
- Center contact, ground contact, and collet: 0.5 micron gold plated brass
- Insulator: PTFE for high dielectric constant

Features:

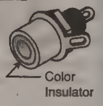
- Ground contact with "T" shaped slot for effective spring contact retention
- Solid brass body provides 100% shielding

MOUSER STOCK NO.	Cap and Spring	Color Band	Price Each		
			1	10	100
174-3200	Gold flash	None	6.82	6.20	5.64
174-3205	Gold flash	Red	7.03	6.39	5.81
174-3206	Gold flash	White	7.03	6.39	5.81
174-3215	Black chrome	Red	8.51	7.74	7.03
174-3216	Black chrome	White	8.51	7.74	7.03



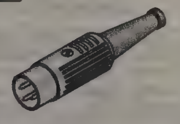
PROFESSIONAL PHONO PANEL JACKS

A turned brass, single nut, fixing panel socket. Available in nickel or gold plated finish and either red or black insulator material for identification purposes. A mounting hole of ø7.2mm is required.

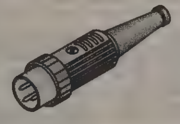


MOUSER STOCK NO.	Contact Plating	Insulator	Price Each		
			1	10	100
164-4215	Nickel	Black	1.62	1.48	1.34
164-4315	Nickel	Red	1.62	1.48	1.34
164-4321	Gold	Black	2.07	1.88	1.71
164-4325	Gold	Red	3.20	2.91	2.65

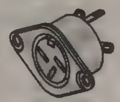
A



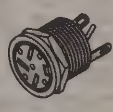
B



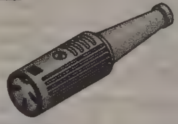
C



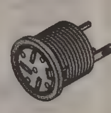
D



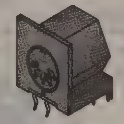
E



F



G



PROFESSIONAL DIN CONNECTORS

Specifications:

- Voltage rating: 100V
- Current rating: 4A
- Contact resistance: <2mΩ
- Temperature range: -25°C to +70°C

Features:

- Fully shielded housing
- Suitable for audio/instrumentation applications

DIN Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Degree of Arc	Price Each		
				1	10	100
Bright Nickel Finish						
17HR613	A	3 pin	180°	2.71	2.46	2.24
17HR615	A	5 pin 45°	180°	2.85	2.59	2.35
164-6051	A	5 pin 60°	240°	2.66	2.42	2.20
164-6060	A	6 pin	240°	2.82	2.56	2.33
17HR618	A	8 pin	270°	4.43	4.03	3.66
17HR593	A	3 pin lockable	180°	4.10	3.73	3.39
17HR595	A	5 pin 45° lockable	180°	4.70	4.27	3.88
164-5951	A	5 pin 60° lockable	240°	4.39	3.99	3.63
17HR598	A	8 pin lockable	270°	6.04	5.49	4.99
Matte Black Finish						
174-2311	A	3 pin	180°	2.85	2.59	2.35
174-2411	A	4 pin	180°	3.66	3.33	3.03
174-2511	A	5 pin 45°	180°	3.66	3.33	3.03
164-6151	A	5 pin 60°	240°	2.81	2.55	2.32
174-2611	A	6 pin	240°	3.18	2.89	2.63
164-5140	A	4 pin lockable	180°	4.28	3.89	3.54
Ring Lock						
174-9231	B	3 pin	180°	3.79	3.45	3.13
174-9241	B	4 pin	180°	8.22	6.32	5.75
174-9252	B	5 pin 60°	240°	4.12	3.75	3.41
174-9281	B	8 pin	270°	4.59	4.17	3.79

DIN Receptacles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Degree of Arc	Price Each		
				1	10	100
Bright Nickel Finish						
16HR633	C	3 pin chassis	180°	2.39	2.17	1.97
16HR635	C	5 pin 45° chassis	180°	2.92	2.65	2.41
164-3051	C	5 pin 60° chassis	240°	2.74	2.49	2.26
16HR636	C	6 pin chassis	240°	3.25	2.95	2.68
16HR638	C	8 pin chassis	270°	3.97	3.61	3.28
16HR653	D	3 pin chassis	180°	4.96	4.51	4.10
16HR654	D	4 pin chassis	180°	5.04	4.58	4.16
16HR655	D	5 pin 45° chassis	180°	5.04	4.58	4.16
164-5051	D	5 pin 60° chassis	240°	4.70	4.27	3.88
16HR656	D	6 pin chassis	240°	5.47	4.97	4.52
16HR658	D	8 pin chassis	270°	6.15	5.59	5.08
Matte Black						
164-2313	E	3 pin in-line	180°	3.62	3.29	2.99
164-60140	E	4 pin in-line	180°	3.38	3.07	2.79
164-2513	E	5 pin in-line	180°	3.72	3.38	3.07
164-2521	C	5 pin chassis	180°	3.04	2.76	2.51
164-2322	D	3 pin chassis	180°	5.13	4.66	4.24
164-2522	D	5 pin chassis	180°	5.23	4.75	4.32
164-6580	D	8 pin chassis	270°	6.74	6.13	5.57
164-2531	F	5 pin PCB	180°	5.42	4.93	4.48
164-2345	Hex mntg. nut for 164-2331, 164-2431, 164-2531			.74	.57	.52
PCB Mount 90° (Not Shielded)						
164-7150	G	5 pin 45°	180°	1.47	1.34	1.22
164-7151	G	5 pin 60°	240°	1.71	1.55	1.41
164-7106	G	6 pin	240°	1.77	1.61	1.46

DELTRON Color Coded XLR / DIN Connectors

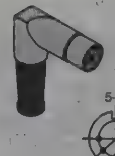
COLOR CODED XLR CONNECTORS/DIN CONNECTORS

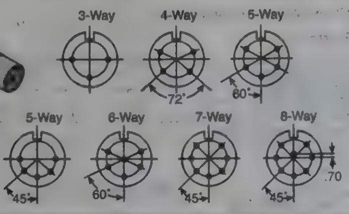
Right Angle DIN Connectors

A fully shielded robust range of 90°. DIN Connectors for use in instrumentation and audio applications. Available in bright nickel. A robust construction incorporating cable grip and strain relief.

Specifications:

- Material Housing: Zinc Alloy heavy nickel plated over copper
- Contacts: brass, silver plated





For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Connector Description	Price Each			
			1	10	25	50
174-6203	620-0300	3 Way	8.45	7.34	6.68	6.07
174-6204	620-0400	4 Way	8.45	7.34	6.68	6.07
174-6205	620-0500	5 Way	8.45	7.34	6.68	6.07
174-6251	620-0510	5 Way 60 D	8.45	7.34	6.68	6.07
174-6206	620-0600	6 Way	8.45	7.34	6.68	6.07
174-6207	620-0700	7 Way	8.45	7.34	6.68	6.07
174-6208	620-0800	8 Way	8.45	7.34	6.68	6.07

CHANNEL IDENTIFICATION SYSTEM

This unique color coded system gives you durable, bright identification for both free cable or panel plugs and sockets, making the marking of panel mounted connectors foolproof. The 10 available colored collars are numbered 0-9 using the standard industry resistor color code system.

Color Coded Connector Collars

Features:

- Full circular ring prevents ring from falling off
- Collars numbered with corresponding color for easy identification

2 rings required for complete collar assembly

MOUSER STOCK NO.	Description	Price Each		
		1	10	25
174-72809	Assorted Bag of 50	5.00	4.00	3.87

Color Coded Panel Buttons

Features:

- 3 protruding lugs provide positive retention in panel connector
- 2 buttons may be used giving up to 100 possible identification combinations

For quantities of 500 and up, call for quote.

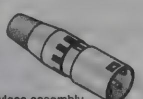
MOUSER STOCK NO.	Description	Price Each		
		1	10	25
164-72609	Assorted Bag of 50	2.50	1.50	1.18

Made in the United Kingdom

A

Screwless assembly, self-locking cable clamping collet

B

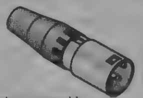


Screwless assembly, self-locking cable clamping collet

C

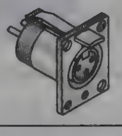
Screwless assembly, self-locking cable clamping collet

D

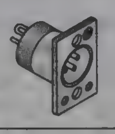


Screwless assembly, self-locking cable clamping collet

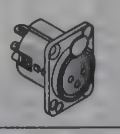
E



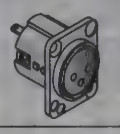
F



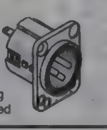
G



H



I



Latching Illustrated

Specifications:

- Current rating per contact: 3C = 16A, 4C = 10A, 5C = 7.5A
- Maximum wire gauge: 3C = 12AWG, 4C = 16AWG, 5C = 18AWG
- Contact resistance: < 3mΩ
- Voltage rating: 250VAC

Features:

- Screwless assembly
- Die-Cast body parts (no plastic)
- Flexible colour coding systems
- Unique "squeeze" clip

- Assembly and disassembly is a quick few turns of the barrel: No fiddle screws. Inside there are generous sized solder buckets and a clever collet to ensure a very positive cable grip over a wide range of cable sizes.
- The female panel socket employs a unique squeeze clip which is very easy to use - just squeeze down and pull back.

NON-REFLECTIVE NICKEL FINISH

Cable Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Connector Description	Industry Ref. No.	Price Each		
					1	10	50
Silver Contacts							
164-7113	700-0300	A	3-pin female	A3F	3.74	3.40	3.24
164-7114	700-0400	A	4-pin female	A4F	6.03	5.50	5.24
164-7115	700-0500	A	5-pin female	A5F	7.29	6.66	6.34
174-7123	701-0300	B	3-pin male	A3M	2.90	2.65	2.52
174-7124	701-0400	B	4-pin male	A4M	4.53	4.14	3.94
174-7125	701-0500	B	5-pin male	A5M	5.52	5.04	4.80
Gold Contacts							
164-7123	704-0300	A	3-pin female	---	4.22	3.82	3.62
174-7133	705-0300	B	3-pin male	---	3.43	3.12	2.74
174-7135	705-0500	B	5-pin male	---	6.46	5.87	5.17

Plastic Backshell Cable Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Connector Description	Industry Ref. No.	1	10	50
Silver Contacts							
164-8113	800-0300	C	3-pin female	A3F	2.54	2.31	2.03
164-8114	800-0400	C	4-pin female	A4F	4.41	4.01	3.53
164-8115	800-0500	C	5-pin female	A5F	5.39	4.90	4.31
174-8123	801-0300	D	3-pin male	A3M	2.36	2.15	1.89
174-8124	801-0400	D	4-pin male	A4M	3.21	2.92	2.57
174-8125	801-0500	D	5-pin male	A5M	4.10	3.73	3.28
Gold Contacts							
164-8123	802-0300	C	3-pin female	---	3.92	3.56	3.14
164-8124	802-0400	C	4-pin female	---	6.24	5.67	4.99
174-8133	803-0300	D	3-pin male	---	3.07	2.80	2.46
174-8135	803-0500	D	5-pin male	---	10.27	9.75	8.86

Panel Mount Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Connector Description	Industry Ref. No.	1	10	50
Silver Contacts							
164-7133	702-0300	E	3-pin female	D3F	3.12	2.84	2.70
164-7134	702-0400	E	4-pin female	D4F	5.54	5.04	4.79
164-7135	702-0500	E	5-pin female	D5F	6.51	5.92	5.62
174-7143	703-0300	F	3-pin male	D3M	2.52	2.40	2.16
174-7144	703-0400	F	4-pin male	D4M	3.19	3.04	2.74
174-7145	703-0500	F	5-pin male	D5M	4.14	3.94	3.55
Gold Contacts							
164-7143	706-0300	E	3-pin female	---	5.61	5.07	4.71
164-7144	706-0400	E	4-pin female	---	9.70	8.76	8.14
174-7153	707-0300	F	3-pin male	---	3.22	2.94	2.80
174-7155	707-0500	F	5-pin male	---	5.43	4.96	4.72

Universal Panel Mount Connectors

- Front or rear panel mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Description	Price Each		
				1	10	50
Silver Contacts						
164-7163	716-0300	G	3-pin female, latching	4.44	4.05	3.86
164-7164	716-0400	G	4-pin female, latching	5.93	5.42	5.16
164-7165	716-0500	G	5-pin female, latching	7.15	6.53	6.22
174-7173	717-0300	I	3-pin male, latching	3.93	3.59	3.42
174-7174	717-0400	I	4-pin male, latching	5.70	5.21	4.96
Gold Contacts						
164-72203	722-0300	G	3-pin female, latching	5.08	4.83	4.32
164-2203	722-0301	H	3-pin female, non-latching	4.96	4.71	4.22
164-72205	722-0500	G	5-pin female, latching	7.44	7.07	6.32
174-72303	723-0300	I	3-pin male, latching	4.18	3.78	3.55
174-2303	723-0301	I	3-pin male, non-latching	4.10	3.69	3.49
174-72305	723-0500	I	5-pin male, latching	7.26	6.53	6.17

NON-REFLECTIVE BLACK CHROME FINISH

Cable Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Connector Description	Industry Ref. No.	Price Each		
					1	10	50
Silver Contacts							
164-7213	708-0300	A	3-pin female	A3FB	3.93	3.59	3.42
164-7214	708-0400	A	4-pin female	A4FB	6.03	5.50	5.24
164-7215	708-0500	A	5-pin female	A5FB	7.29	6.66	6.34
174-7223	709-0300	B	3-pin male	A3MB	3.13	2.86	2.72
174-7224	709-0400	B	4-pin male	A4MB	4.53	4.14	3.94
174-7225	709-0500	B	5-pin male	A5MB	5.52	5.04	4.80
Gold Contacts							
164-7223	712-0300	A	3-pin female	A3FBAU	4.39	3.97	3.76
164-7224	712-0400	A	4-pin female	---	6.78	6.14	5.81
174-7233	713-0300	B	3-pin male	A3MBAU	3.65	3.32	2.92
174-7234	713-0400	B	4-pin male	---	5.39	4.90	4.31
174-7235	713-0500	B	5-pin male	---	6.46	5.87	5.17

Plastic Backshell Cable Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Connector Description	Industry Ref. No.	1	10	50
Silver Contacts							
164-8213	804-0300	C	3-pin female	A3FB	3.21	2.92	2.57
164-8214	804-0400	C	4-pin female	A4FB	4.99	4.54	3.99
164-8215	804-0500	C	5-pin female	A5FB	6.01	5.47	4.81
174-8223	805-0300	D	3-pin male	A3MB	2.90	2.63	2.32
174-8225	805-0500	D	5-pin male	A5MB	4.54	4.13	3.64
Gold Contacts							
164-8225	806-0500	C	5-pin female	---	6.91	6.28	5.52
174-8235	807-0500	D	5-pin male	---	6.01	5.49	4.85

Panel Mount Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Connector Description	Industry Ref. No.	1	10	50
Silver Contacts							
164-7233	710-0300	E	3-pin female	D3FB	3.30	3.00	2.85
164-7234	710-0400	E	4-pin female	D4FB	5.54	5.04	4.79
164-7235	710-0500	E	5-pin female	D5FB	6.51	5.92	5.62
174-7243	711-0300	F	3-pin male	D3MB	2.69	2.56	2.30
174-7244	711-0400	F	4-pin male	D4MB	3.19	3.04	2.74
174-7245	711-0500	F	5-pin male	D5MB	4.14	3.94	3.55
Gold Contacts							
164-7243	714-0300	E	3-pin female	D3FBAU	5.86	5.29	4.91
164-7245	714-0500	E	5-pin female	---	11.01	9.94	9.23
174-7253	715-0300	F	3-pin male	D3MBAU	3.36	3.07	2.92
174-7254	715-0400	F	4-pin male	---	4.44	4.05	3.86

Universal Panel Mount Connectors

- Front or rear panel mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Description	Price Each		
				1	10	50
Silver Contacts						
164-7183	718-0300	G	3-pin female, latching	4.44	4.05	3.86
164-1803	718-0301	H	3-pin female, non-latching	4.35	3.97	3.78
164-7184	718-0400	G	4-pin female, latching	5.97	5.43	4.93
164-7185	718-0500	G	5-pin female, latching	7.15	6.53	6.22
174-7193	719-0300	I	3-pin male, latching	3.93	3.59	3.42
174-7195	719-0500	I	5-pin male, latching	6.92	6.32	6.02
Gold Contacts						
164-72403	724-0300	G	3-pin female, latching	5.08	4.83	4.32
164-72404	724-0400	G	4-pin female, latching	6.38	6.06	5.42
164-72405	724-0500	G	5-pin female, latching	7.44	7.07	6.32
174-2503	725-0301	I	3-pin male, non-latching	4.10	3.69	3.49
174-72505	725-0500	I	5-pin male, latching	20.37	18.52	16.84

AIM/CAMBRIDGE A/V Compression Connectors

COMPRESSION CONNECTORS

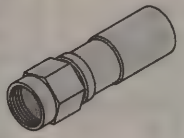
These weatherproof compression connectors allow you to quickly make your broadband CATV and Satellite connections indoors and out. They provide a quick easy weatherproof termination that can be used in all the latest high-definition TV, DVD, and Audio/Video standards.

Specifications:

Connector Type	Cable Type	Max. Braid Coverage	Dielectric O.D. (Nominal)	
F Connector 7/16" Hex	RG - 6 Dual	Up to 90%	.180 in	4.57mm
BNC Connector	RG - 6 Tri-Shield	Up to 90%	.180 in	4.57mm
RCA Connector	RG - 6 Quad Shield	Up to 90%	.180 in	4.57mm
F Connector 7/16" Hex	RG - 59 Dual	Up to 90%	.144 in	3.27mm
BNC Connector	RG - 59 Tri-Shield	Up to 90%	.144 in	3.27mm
RCA Connector	RG - 59 Quad Shield	Up to 90%	.144 in	3.27mm

Features:

- Compression termination
- Weatherproof
- Single connector terminates Dual,Tri, and Quad Shield cables
- RG-59 and RG-6 versions available
- Machined nickel or gold plated brass construction
- Designed to SCTE and Bellcore® GR-1503 compliance
- Patent protected
- All-in-one adjustable rachet crimp tool for BNC,F & RCA connectors
- Gold plated BNC and RCA available
- Color- Coded RCA for standard and high-def connections



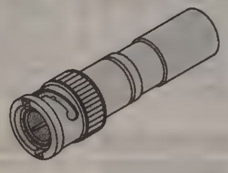
F TYPE COMPRESSION CONNECTORS

RoHS Compliant

Male - 7/16" Hex • RoHS Compliant per AIM/Cambridge documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Cable Type	Plating	Center Contact	Color Ring (inside)	Price Each			
							1	10	25	100
601-25-2502-10PB	25-2502-10PB	A	RG - 59 Dual/Tri/Quad	Nickel	–	Blue	.89	.75	.67	.57
601-25-2601-10PB	25-2601-10PB	A	RG- 6 Dual/Tri/Quad	Nickel	–	Black	.89	.75	.67	.57
601-25-2502G-10PB	25-2502G-10PB	A	RG - 59 Dual/Tri/Quad	Gold	–	Blue	.99	.90	.84	.77
601-25-2601G-10PB	25-2601G-10PB	A	RG- 6 Dual/Tri/Quad	Gold	–	Black	.99	.90	.84	.77



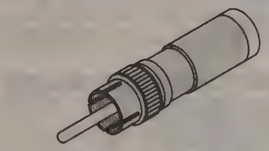
BNC TYPE COMPRESSION CONNECTORS

RoHS Compliant

Male - 75 Ohm • RoHS Compliant per AIM/Cambridge documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Cable Type	Plating	Center Contact	Color Ring (inside)	Price Each			
							1	10	25	100
601-28-2502-10PB	28-2502-10PB	B	RG - 59 Dual/Tri/Quad	Nickel	Gold	Blue	3.46	2.91	2.60	2.20
601-28-2601-10PB	28-2601-10PB	B	RG- 6 Dual/Tri/Quad	Nickel	Gold	Black	3.46	2.91	2.60	2.20
601-28-2502G-10PB	28-2502G-10PB	B	RG - 59 Dual/Tri/Quad	Gold	Gold	Blue	5.10	4.28	3.83	3.24
601-28-2601G-10PB	28-2601G-10PB	B	RG- 6 Dual/Tri/Quad	Gold	Gold	Black	5.10	4.28	3.83	3.24



RCA TYPE COMPRESSION CONNECTORS

Male - Color-coded • RoHS Compliant per AIM/Cambridge documentation

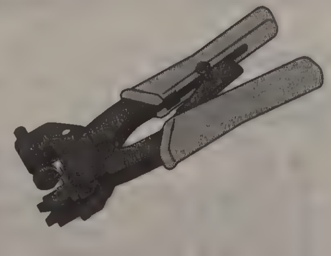
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Cable Type	Plating	Center Contact	Color Ring (outside)	Price Each			
							1	10	25	100
601-19-2502-10PB	19-2502-10PB	C	RG - 59 Dual/Tri/Quad	Nickel	Gold	Blue	2.45	2.06	1.84	1.56
601-19-2503-10PB	19-2503-10PB	C	RG - 59 Dual/Tri/Quad	Nickel	Gold	Green	2.45	2.06	1.84	1.56
601-19-2504-10PB	19-2504-10PB	C	RG - 59 Dual/Tri/Quad	Nickel	Gold	Red	2.45	2.06	1.84	1.56
601-19-2505-10PB	19-2505-10PB	C	RG - 59 Dual/Tri/Quad	Nickel	Gold	Yellow	2.45	2.06	1.84	1.56
601-19-2506-10PB	19-2506-10PB	C	RG - 59 Dual/Tri/Quad	Nickel	Gold	White	2.45	2.06	1.84	1.56
601-19-2602-10PB	19-2602-10PB	C	RG- 6 Dual/Tri/Quad	Nickel	Gold	Blue	2.45	2.06	1.84	1.56
601-19-2603-10PB	19-2603-10PB	C	RG- 6 Dual/Tri/Quad	Nickel	Gold	Green	2.45	2.06	1.84	1.56
601-19-2604-10PB	19-2604-10PB	C	RG- 6 Dual/Tri/Quad	Nickel	Gold	Red	2.45	2.06	1.84	1.56
601-19-2605-10PB	19-2605-10PB	C	RG- 6 Dual/Tri/Quad	Nickel	Gold	Yellow	2.45	2.06	1.84	1.56
601-19-2606-10PB	19-2606-10PB	C	RG- 6 Dual/Tri/Quad	Nickel	Gold	White	2.45	2.06	1.84	1.56
601-19-2502G-10PB	19-2502G-10PB	C	RG - 59 Dual/Tri/Quad	Gold	Gold	Blue	3.57	3.00	2.67	2.27
601-19-2601G-10PB	19-2601G-10PB	C	RG- 6 Dual/Tri/Quad	Gold	Gold	Black	3.57	3.00	2.67	2.27

Male - 2 Per Color 10 Pak

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Cable Type	Plating	Center Contact	Color Ring (outside)	Price Each			
							1	2	10	50
601-19-2500-10PB	19-2500-10PB	C	RG - 59 Dual/Tri/Quad	Nickel	Gold	RGBYW	20.59	18.11	15.60	14.04
601-19-2600-10PB	19-2600-10PB	C	RG- 6 Dual/Tri/Quad	Nickel	Gold	RGBYW	20.60	18.40	15.60	14.00



TOOLING

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	Price Each	
				1	5
601-24-7714P	24-7714P	D	Adjustable 3-way Rachet Crimp tool for Compression BNC, F, and RCA connectors	84.69	71.86
601-24-7732P	24-7732P	–	2-step self adjusting Coax Stripper Tool	18.50	16.65
601-24-7733P	24-7733P	–	3-step self-adjusting Coax Stripper Tool	19.38	17.44

POMONA Broadcast Connectors

VIDEO BROADCAST

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
75 Ohm Digital BNC Connectors						
565	6702	A	BNC (M) for Digital Video, RG59/U, (Belden 1505A), 20 AWG	3.04	2.89	2.75
565	6703	A	BNC (M) for Digital Video, RG6/U, (Belden 1694A), 18 AWG	2.98	2.83	2.69
565	6704	A	BNC (M) for Video Broadcast, RG59/U, (Belden 1855A), 23 AWG	3.30	3.14	2.98
565	6705	B	BNC (F/F) Isolated Panel Connector for Digital Video	13.28	12.59	12.00
75 Ohm BNC Connectors and Adapters						
565	6752A	C	BNC (m) Crimp for RG59, 59A, 59B, 62, 210 cable	3.29	3.12	2.98
565	6746A	D	BNC (m) Comp Style, field inst, for RG59, 59A, 59B, 62, 210 cable	2.18	2.07	1.97
75 Ohm BNC Within Series Adapters						
565	6738	E	BNC (f/f/f) Adapter	3.39	3.23	3.06
565	6739	F	BNC (f/m/f) Adapter	3.39	3.23	3.06
565	6754	G	BNC (f/m/f) Adapter, In-line	3.39	3.23	3.06
565	6740	H	BNC (m/m) Adapter	1.90	1.80	1.71
565	6737	I	BNC (f/f) Adapter	2.39	2.26	2.16
565	6744	J	BNC (f/f) Panel Mount, Hermetically Sealed Adapter	2.95	2.82	2.66
75 Ohm BNC Panel Receptacles						
565	6736	K	BNC (f) Panel Receptacle, 0.50 in. (13.46mm) hole spacing	2.50	2.37	2.24
565	6735	L	BNC (m) Panel Receptacle, 0.50 in. (13.46mm) hole spacing	2.97	2.82	2.66
75 Ohm BNC Female PCB Mount						
565	6748	M	BNC (f) PCB Mount, Right Angle	2.95	2.82	2.66
565	6747	N	BNC (f) PCB Mount, Vertical	2.48	2.37	2.26
565	6718	O	BNC (f) PCB Mount, Dual Right Angle, White Valox	14.93	14.16	13.49
75 Ohm BNC Bulkhead Receptacles						
565	6745	P	BNC (f) Bulkhead Receptacle, 75 Ohm	2.18	2.07	1.97
565	6749	Q	BNC (m) Bulkhead Receptacle, 75 Ohm	2.29	2.19	2.07
565	6741	P	BNC (f) Bulkhead Receptacle, Isolated Ground, 75 Ohm	2.39	2.28	2.16
75 Ohm BNC Terminators, Dust Cap, Shorting Cap						
565	4391-75	R	BNC 75 Ohm Attenuator	36.63	34.75	33.11
565	3840-75	S	BNC Male Terminator Plug, 75 Ohm	11.66	11.04	10.51
565	4119-75	T	BNC Feed-Thru Termination, 75 Ohm	53.60	50.85	48.45
565	5085	U	BNC Shorting Cap	4.79	4.54	4.33
565	3839	U	BNC Dust Cap	2.48	2.35	2.24

75 OHM BETWEEN SERIES ADAPTER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	6779	V	BNC (m) 75 Ohm / F (f)	3.18	3.02	2.88
565	6780	W	BNC (f) 75 Ohm / F (f)	3.18	3.02	2.88
565	6781	X	BNC (f) 75 Ohm / F (m)	3.18	3.02	2.88
565	6782	Y	BNC (m) 75 Ohm / F (m)	3.18	3.02	2.88
565	5319	Z	BNC Female to Phono Plug	6.38	6.09	5.77
565	4054	AA	BNC Male to Phono Jack	17.36	16.47	15.69
565	1297	BB	BNC Female to 1/4in (6.35mm) Phone Plug	10.94	10.37	9.88
565	3837	CC	BNC Female to Two Conductor, 0.14in (3.5mm) Dia. Tini Plug	13.17	12.49	11.90
565	4043	DD	BNC Male to 1/4in (6.35mm) Two Conductor Phone Jack	36.43	34.56	32.92
565	4267	CC	BNC Female to Two Conductor Micro Plug	15.93	15.11	14.40
565	6519	EE	BNC Female to Mini-WECO Plug Adapter	29.91	28.37	27.03
565	5008	EE	BNC Female to Standard WECO Plug Adapter	41.12	39.01	37.17
565	4719	FF	BNC Female to Bantam Plug Adapter	18.92	17.88	16.97

75 OHM CABLE ASSEMBLIES

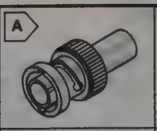
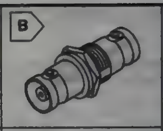
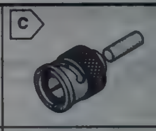
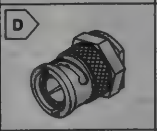
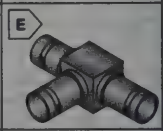
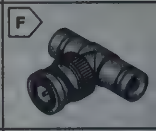
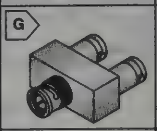
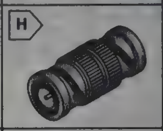
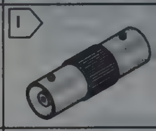
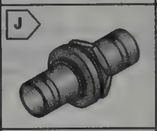
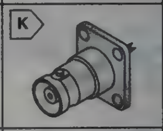
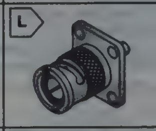
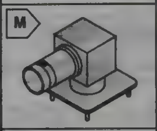
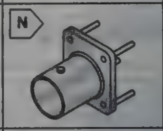
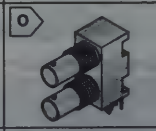
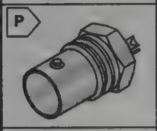
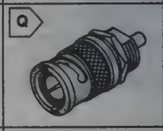
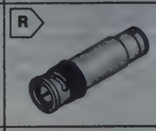
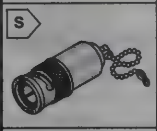
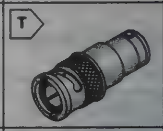
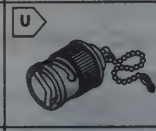
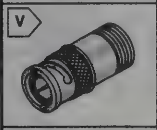
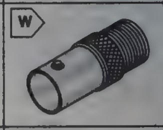
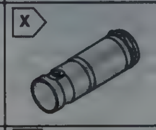
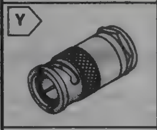
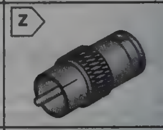
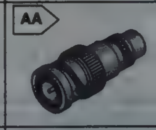
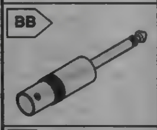
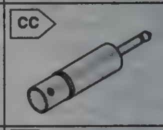
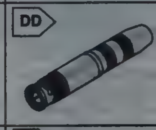
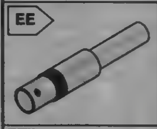
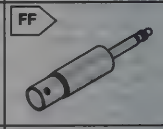
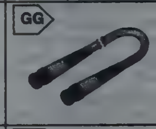
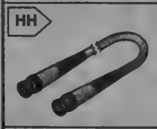
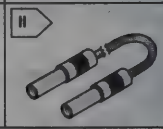
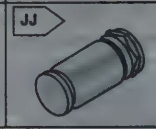
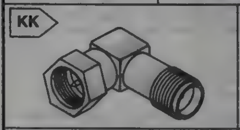
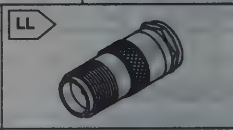
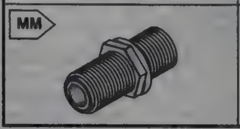
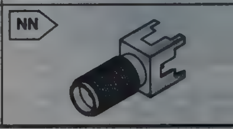
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Length	Price Each		
Mfr.	Mfr. Part No.				1	25	50
565	6510-V-36-0	GG	BNC Male True 75 Ohm High Flex Cable	36in (0.9m)	17.27	16.38	15.61
565	6510-V-48-0	GG	BNC Male True 75 Ohm High Flex Cable	48in (1.2m)	20.76	19.70	18.77
565	6510-V-60-0	GG	BNC Male True 75 Ohm High Flex Cable	60in (1.5m)	20.76	19.70	18.77
565	6510-V-72-0	GG	BNC Male True 75 Ohm High Flex Cable	72in (1.8m)	20.76	19.70	18.77
565	2249-E-36	HH	BNC Male Cable with Molded Strain Reliefs	3ft (0.9m)	14.96	14.19	13.52
565	2249-E-72	HH	BNC Male Cable with Molded Strain Reliefs	6ft (1.8m)	17.57	16.66	15.88
565	2249-E-120	HH	BNC Male Cable with Molded Strain Reliefs	10ft (3.0m)	21.15	20.07	19.12
565	2249-E-144	HH	BNC Male Cable with Molded Strain Reliefs	12ft (3.7m)	22.92	21.74	20.71
565	2249-E-180	HH	BNC Male Cable with Molded Strain Reliefs	15ft (4.6m)	25.35	24.05	22.91
565	2249-E-240	HH	BNC Male Cable with Molded Strain Reliefs	20ft (6.1m)	29.94	28.40	27.06
565	2249-E-300	HH	BNC Male Cable with Molded Strain Reliefs	25ft (7.6m)	34.63	32.86	31.30
565	2249-E-600	HH	BNC Male Cable with Molded Strain Reliefs	50ft (15.2m)	56.50	53.61	51.07

F CONNECTORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	6707	II	75ΩType F (m) Crimp for RG6 Cable, Gold plated.	1.70	1.60	1.52
565	6708	JJ	75Ω Type F (m) Crimp for RG59 Cable, Gold plated.	1.47	1.41	1.33
75 Ohm Type "F" Within Series Adapters						
565	6800	KK	75Ω Type F (m/f) Right Angle Adapter	2.18	2.09	1.97
565	6801	LL	75Ω Type F (m/f) in-line Adapter	1.19	1.14	1.06
75 Ohm Type "F" Bulkhead Receptacle						
565	6802	MM	75Ω Type F (f/f) in-line, with nut and washer	1.30	1.24	1.18
75 Ohm Type "F" PCB Mount						
565	6803	NN	75Ω Type F(f), vertical mount with PTFE insulator.	1.40	1.33	1.26

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN


POMONA Audio Connectors

Pomona ELECTRONICS

POMONA RCA / PHONO PLUG CABLE ASSEMBLIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	6900-180	A	3 RCA plugs / 3 RCA plugs cable assembly, 15 ft, Red, Grn, Blu	9.47	8.98	8.56
565	6896-180	B	2 RCA plugs / 2 RCA plugs cable assembly, 15 ft, Wht & Red	9.87	9.43	8.93
565	6898-180	C	RCA plug / RCA plug cable assembly, 15 ft, Blk	6.65	6.30	5.98
565	6901-180	C	RCA plug / RCA plug cable assembly, 15 ft, Yellow	6.61	6.30	5.98

POMONA PHONO PLUG TO BNC MALE W/ MOLDED STRAIN RELIEF

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Length	Price Each		
Mfr.	Mfr. Part No.				1	25	50
565	4963-E-24	D	Phono Plug to BNC Male w/ Molded Strain Relief	24in (0.6m)	15.69	14.93	14.16
565	4963-E-36	D	Phono Plug to BNC Male w/ Molded Strain Relief	36in (0.9m)	16.25	15.46	14.67
565	4963-E-48	D	Phono Plug to BNC Male w/ Molded Strain Relief	48in (1.2m)	16.74	15.93	15.11
565	4963-E-60	D	Phono Plug to BNC Male w/ Molded Strain Relief	60in (1.5m)	17.30	16.46	15.61

POMONA PHONO PLUG CABLE W/ MOLDED STRAIN RELIEF

For quantities of 100 and up, call for quote.

565	5092-K-36	E	Phono Plug Cable with Molded Strain Relief	48in (1.2m)	19.01	18.06	17.16
565	5092-K-48	E	Phono Plug Cable with Molded Strain Relief	60in (1.5m)	20.45	19.45	18.46

POMONA RCA CONNECTORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	6880	F	RCA jack	1.29	1.23	1.17
565	6881	G	RCA plug	1.24	1.17	1.12
565	6882	H	RCA Adapter (f/m/f)	4.09	3.88	3.69

POMONA WECO PLUG PATCH CORDS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Length	Price Each		
Mfr.	Mfr. Part No.				1	25	50
565	6507-96	I	Standard WECO Plug Patch Cord RG59	8 ft.(2.4m)	36.24	34.43	32.71
565	6502-96	J	Mini-WECO Plug Patch Cord RG59	8 ft.(2.4m)	41.25	39.23	37.22
565	6515-96	K	75 Ohm BNC (M) to Mini-WECO Cable RG59	8 ft.(2.4m)	38.79	36.89	35.00
565	6516-96	L	75 Ohm BNC (M) to Standard WECO Cable RG59	8 ft.(2.4m)	38.79	36.89	35.00

POMONA RIGHT ANGLE AND STRAIGHT 1/4" STANDARD PHONE PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	7140	M	Right Angle/Straight 1/4 STD Phone Plug 2 Nickel Plating	1.95	1.86	1.76
565	7142	N	Right Angle/Straight 1/4 STD Phone Plug 3 Nickel Plating	2.14	2.03	1.93

POMONA COMMERCIAL 1/4" PHONE PLUGS

For quantities of 100 and up, call for quote.

565	7148	O	Locking 1/4" Phone Jack Cable Mount	7.48	7.10	6.75
565	7150	P	Shielded 2-Conductor 1/4" Phone Plug, Long Handle	1.45	1.38	1.31
565	7151	Q	Right Angle 2-Conductor 1/4" Plug	1.66	1.58	1.50
565	7152	R	Shielded 3-Conductor 1/4" Phone Plug	2.24	2.13	2.03
565	7153	S	2-Conductor 1/4" Speaker Plug for Large Diameter Cable	2.18	2.07	1.96
565	7156	T	2-Conductor 1/4" Phone Jack w/Insulated Washer & Solder Lugs	.93	.89	.84
565	7157	U	3-Conductor 1/4" Phone Jack w/Insulated Washer & Solder Lugs	1.30	1.24	1.18

POMONA 1/4" STEREO JACKS

For quantities of 100 and up, call for quote.

565	7158	V	Horizontal 3-Conductor 1/4" Jack, PC Board Mount	1.22	1.15	1.10
565	7159	W	Horizontal 2-Conductor 1/4" Jack, PC Board Mount	1.14	1.09	1.04
565	7160	X	Horizontal 3-Conductor 1/4" Jack, Solder Tabs	1.14	1.08	1.03

POMONA 1/4" JACK AND PLUG ADAPTERS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	7162	Y	Mono 2-Conductor 1/4" Phone Jack Adapter	1.60	1.52	1.45
565	7163	Y	Stereo 3-Conductor 1/4" Phone Jack Adapter	1.77	1.68	1.61
565	7164	Z	2-Conductor 1/4" Phone Plug Adapter	2.62	2.49	2.37

POMONA AUDIO XLR PLUGS

For quantities of 100 and up, call for quote.

565	6902-120	AA	Rugged XLR plug / jack - 10' Audio Cable	31.44	29.91	28.37
565	6902-180	AA	Rugged XLR plug / jack - 15' Audio Cable	36.07	34.33	32.60
565	6902-240	AA	Rugged XLR plug / jack - 20' Audio Cable	40.21	38.31	36.42
565	6902-300	AA	Rugged XLR plug / jack - 25' Audio Cable	44.49	42.19	40.14

POMONA XLR CABLE ASSEMBLIES

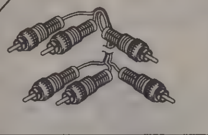
For quantities of 100 and up, call for quote.

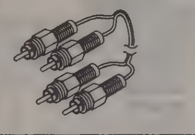
565	6869-180	BB	XLR plug / jack - 15' Audio Cable	10.64	10.15	9.61
565	6869-300	BB	XLR plug / jack - 25' Audio Cable	15.79	15.01	14.23
565	6888-180	CC	XLR jack / 1/4" stereo plug cable assembly, 15'	10.22	9.74	9.22
565	6888-300	CC	XLR jack / 1/4" stereo cable assembly, 25'	15.30	14.57	13.83

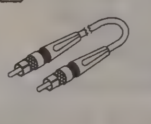
POMONA XLR TRIPLE BINDING POST ADAPTERS

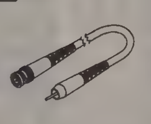
For quantities of 100 and up, call for quote.

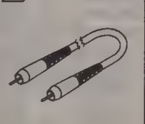
565	7286	DD	XLR (M) Triple Binding Post	31.44	29.91	28.37
565	7287	DD	XLR (F) Triple Binding Post	31.44	29.91	28.37
565	7288	DD	XLR (M) Triple Binding Post to RJ11	34.59	32.90	31.21
565	7289	DD	XLR (F) Triple Binding Post RJ11	34.59	32.90	31.21

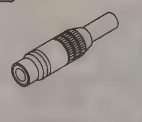
A


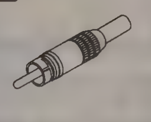
B


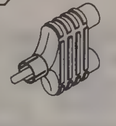
C


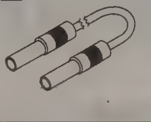
D


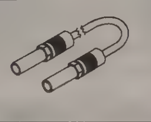
E


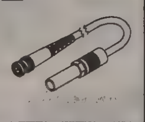
F


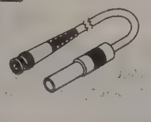
G


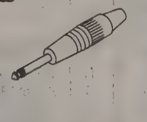
H


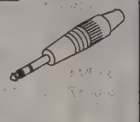
I


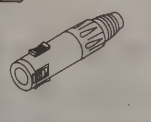
J


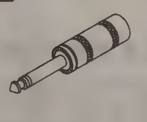
K


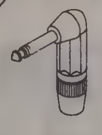
L


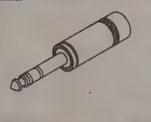
M


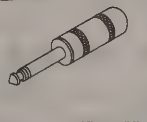
N


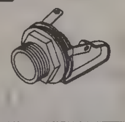
O


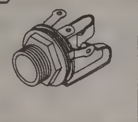
P


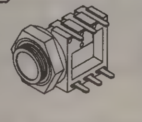
Q


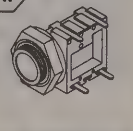
R


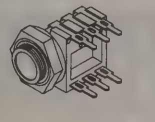
S


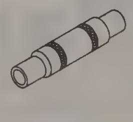
T


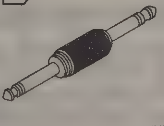
U


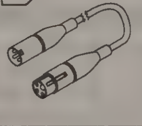
V


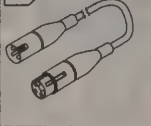
W


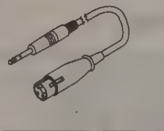
X


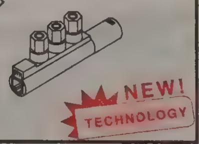
Y


Z


AA


BB


CC


DD


POMONA Audio Connectors

Pomona. SURECONNECT XLR CONNECTORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pomona Part No.	Fig.	Description	Price Each		
				1	25	50
565-6853	6853	A	Ruggedized XLR Plug, Black nickel shell, gold contacts	3.68	3.45	3.22
565-6852	6852	B	Ruggedized XLR Jack, Black nickel shell, gold contacts	3.59	3.40	3.24
565-5110	5110	A	Standard XLR Plug, 3 pin, Nickel shell, silver contacts	2.98	2.85	2.69
565-5109	5109	B	Standard XLR Jack, 3 pin, Nickel shell, silver contacts	2.98	2.85	2.69
565-6851	6851	C	Standard XLR Plug, 3 pin	1.47	1.41	1.33
565-6850	6850	D	Standard XLR Jack, 3 pin	1.48	1.41	1.34
565-5126A	5126A	E	Standard XLR Plug, 5 pin	3.88	3.71	3.51
565-5125A	5125A	F	Standard XLR Jack, 5 pin	3.88	3.69	3.51
565-5113A	5113A	G	XLR (f) Panel Receptacle, 3 contacts	2.68	2.55	2.43
565-5117A	5117A	H	XLR (m) Panel Receptacle, 3 contacts	2.59	2.46	2.34
565-6854	6854	I	XLR (f) Panel Receptacle, 5 contacts	2.95	2.80	2.66
565-6855	6855	J	XLR (m) Panel Receptacle, 5 contacts	2.95	2.80	2.65

Pomona. XLR ADAPTERS

For quantities of 100 and up, call for quote.

565-6856	6856	K	3 pin XLR Jack to XLR Jack	6.29	5.96	5.68
565-6857	6857	L	3 pin XLR Plug to XLR Plug	6.97	6.66	6.30
565-6858	6858	M	3 pin XLR Plug to XLR Jack	6.97	6.66	6.30
565-6859	6859	N	3 pin XLR Jack to 1/4" Jack (stereo)	6.97	6.66	6.30
565-6860	6860	O	3 pin XLR Plug to 1/4" Jack (stereo)	6.97	6.66	6.30
565-6863	6863	P	3 pin XLR Jack to 1/4" Plug (stereo)	6.97	6.66	6.30
565-6864	6864	Q	3 pin XLR Plug to 1/4" Plug (stereo)	6.97	6.66	6.30

Pomona. AUDIO CONNECTORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pomona Part No.	Fig.	Description	Price Each		
				1	25	50
565-6873	6864	R	1/4" Phone Plug, 2 pole (mono)	.98	.93	.88
565-6874	6874	R	1/4" Phone Plug, 3 pole (stereo)	1.19	1.13	1.08
565-6877	6877	S	Panel Mount Locking 1/4" Phone Jack	3.29	3.12	2.98
565-6878	6878	T	1/4"plug / RCA jack	2.98	2.83	2.69
565-6879	6879	U	1/4" jack / RCA plug	2.98	2.83	2.69

Pomona. XLR STRAIGHT CABLE CONNECTORS - SCREWLESS

For quantities of 100 and up, call for quote.

565-7283	7283	V	3 Pole (M) IN Line XLR, Silver Contacts, Nickel, Thermoplastic Boot	2.08	1.99	1.89
565-7284	7284	W	3 Pole (F) IN Line XLR, Silver Contacts, Nickel, Thermoplastic Boot	2.08	1.99	1.89
565-7093	7093	X	XLR (M), 4 PIN, Screwless Connector	2.98	2.83	2.69
565-7094	7094	Y	XLR (F), 4 PIN, Screwless Connector	3.09	2.93	2.79

Pomona. IDC TYPE XLR

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Pomona Part No.	Fig.	Description	Price Each		
				1	25	50
565-7273	7273	Z	3 Pole (M) XLR, IDC, Silver contacts, Nickel shell, Thermoplastic back shell	2.98	2.85	2.69
565-7274	7274	AA	3 Pole (F) XLR, IDC, Silver contacts, Thermoplastic back shell	2.98	2.85	2.69
565-7275	7275	BB	3 Pole (M) XLR, IDC, Silver contacts, Black shell, Thermoplastic Boot	2.98	2.85	2.69
565-7276	7276	CC	3 Pole (M) XLR, IDC, Silver contacts, Black shell, Thermoplastic Boot	3.29	3.14	2.98

Pomona. RECTANGULAR FLANGED PANEL RECEPTACLES

For quantities of 100 and up, call for quote.

565-7106	7106	DD	XLR (M), 4 Pin, Rectangular Flanged Panel Mount, Nickel	2.48	2.35	2.24
565-7107	7107	EE	XLR (F), 4 Pin, Rectangular Flanged Panel Mount, Nickel	3.39	3.23	3.06
565-7108	7108	FF	XLR (F), 3 Pin, Rectangular Flanged Panel Mount, Black	3.29	3.12	2.98
565-7109	7109	GG	XLR (M), 4 Pin, Rectangular Flanged Panel Mount, Black	2.48	2.37	2.24
565-7110	7110	HH	XLR (F), 4 Pin, Rectangular Flanged Panel Mount, Black	4.68	4.44	4.23

Pomona. SQUARE FLANGED PANEL RECEPTACLES

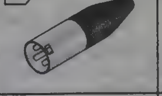
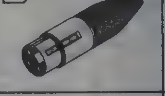
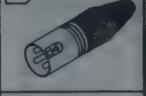
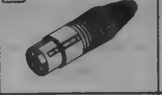
For quantities of 100 and up, call for quote.

565-7111	7111	II	XLR Square Flanged Panel Recept. Horizontal PC Board	2.68	2.55	2.43
565-7113	7113	JJ	XLR Square Flanged Panel Recept, Solder Cups, Black	2.29	2.18	2.06
565-7114	7114	KK	XLR Square Flanged Panel Recept, Solder Cups, Nickel	2.29	2.19	2.07
565-7115	7115	LL	XLR Square Flanged Panel Recept, Solder Cups, Black	2.29	2.19	2.07

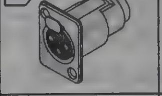
Pomona. XLR ADAPTERS

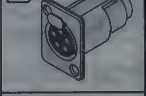
For quantities of 100 and up, call for quote.

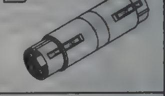
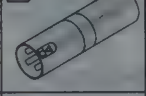
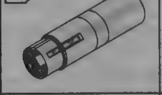
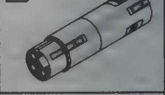
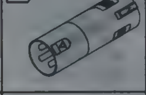
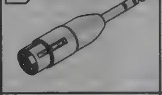
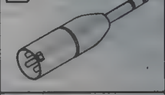
565-7269	7269	MM	XLR (F) / RCA (M)	4.79	4.54	4.33
565-7270	7270	NN	XLR (M) / RCA (M)	4.79	4.54	4.33
565-7271	7271	OO	XLR (F) / RCA (F)	4.79	4.54	4.33
565-7272	7272	PP	XLR (M) / RCA (F)	4.79	4.54	4.33

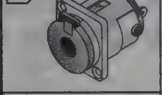
A

B

C

D

E

F

G

H

I

J

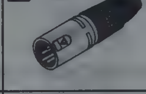
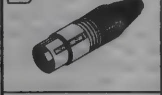
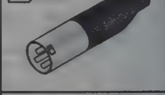
K

L

M

N

O

P

Q

R

S

T

U

V

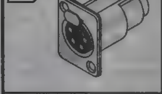
W

X

Y

Z

AA

BB

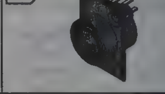
CC

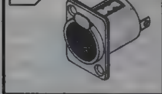
DD

EE

FF

GG

HH

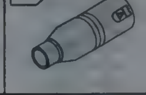
II

JJ

KK

LL

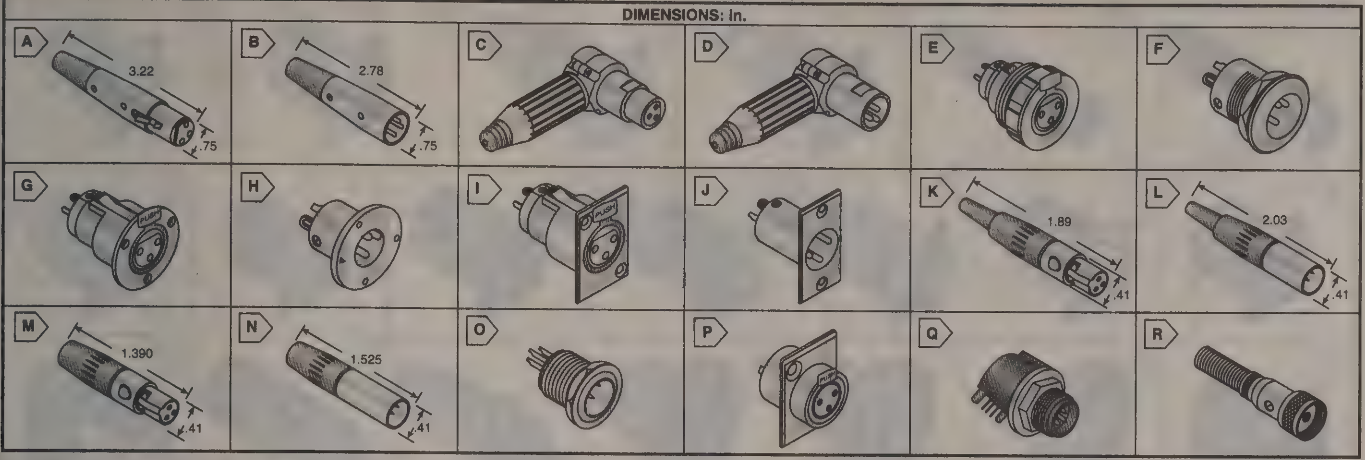
MM

NN

OO

PP


DIMENSIONS: in.



"Q-G" QUICK GROUND XLR AUDIO CONNECTORS

"Q-G" connectors feature a separate ground terminal integral with the connector shell. The high-impact thermoplastic insert is retained by a loss preventing captive design screw, female connectors have positive latch lock system.

RoHS Compliant

Specifications:
- Current Rating: 3C = 15A, 4C = 10A, 5C = 7.5A
- Cable Size: .21" to .30" O.D.
- RoHS compliance per Switchcraft documentation
- Pin and Socket Contact: Silver-plated copper alloy
- Wire Size: 3 contact-12 AWG solid, 14 AWG stranded; 4 contact-14 AWG solid, 16 AWG stranded; 5 contact-18 AWG solid, 20 AWG stranded
- Housing Material: Die-Cast zinc with satin nickel or, black velvet finish

Cord End Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each		
				1	10	25
502-A3F	A3F	A	3 pin female plug	5.13	4.59	4.21
502-A3FBX	A3FBX	A	3 pin female plug (black)	5.96	5.42	5.15
502-A3M	A3M	B	3 pin male plug	4.16	3.78	3.59
502-A3MB	A3MB	B	3 pin male plug (black)	5.35	4.86	4.62
502-A4F	A4F	A	4 pin female plug	8.27	6.37	5.83
502-A4M	A4M	B	4 pin male plug	5.26	4.70	4.32
502-A5F	A5F	A	5 pin female plug	16.72	15.20	14.44
502-A5M	A5M	B	5 pin male plug	10.65	9.68	9.20
502-A6F	A6F	A	6 pin female plug	18.88	17.16	16.30
502-A6M	A6M	B	6 pin male plug	15.07	13.70	13.02
502-R3FZ	R3FZ	C	3 pin female rt. angle plug w/strain relief	7.92	7.20	6.84
502-R3MZ	R3MZ	D	3 pin male rt. angle plug w/strain relief	8.98	8.16	7.75

Panel Mount Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each		
				1	10	25
502-B3F	B3F	E	3 pin female receptacle	21.10	19.18	18.22
502-B3FBX	B3FBX	E	3 pin female receptacle (black)	22.37	22.34	19.32
502-B3M	B3M	F	3 pin male receptacle	10.25	9.32	8.85
502-B3MB	B3MB	F	3 pin male receptacle (black)	10.25	9.32	8.85
502-B4M	B4M	F	4 pin male receptacle	10.54	9.58	9.10
502-C3F	C3F	G	3 pin female receptacle	9.79	8.90	8.46
502-C3M	C3M	H	3 pin male receptacle	6.97	6.34	6.02
502-C4F	C4F	G	4 pin female receptacle	12.36	11.24	10.68
502-C4M	C4M	H	4 pin male receptacle	7.44	6.76	6.42
502-C5F	C5F	G	5 pin female receptacle	24.75	22.50	21.38
502-C5M	C5M	H	5 pin male receptacle	16.87	15.34	14.57
502-D3F	D3F	I	3 pin female receptacle	5.79	4.82	4.44
502-D3FBXAU	D3FBXAU	I	3 pin female recept., black w/gold contacts	7.85	7.14	6.78
502-D3M	D3M	J	3 pin male receptacle, nickel	4.31	3.92	3.72
502-D3MB	D3MB	J	3 pin male receptacle, black	6.27	5.70	5.42
502-D3MBAU	D3MBAU	J	3 pin male recept., black w/gold contacts	8.12	7.38	7.01
502-D4F	D4F	I	4 pin female receptacle, nickel	9.44	8.58	8.15
502-D4M	D4M	J	4 pin male receptacle, nickel	5.92	5.38	5.11
502-D5F	D5F	I	5 pin female receptacle, nickel	19.01	17.28	16.42

TINI "Q-G" QUICK GROUND XLR AUDIO CONNECTORS

Miniature XLR connectors, ideal for use with slim lavaliere microphones and instrumentation using shielded or unshielded cables. Positive latch locking system and molded thermo plastic strain relief.

Specifications:
- Current Rating: Plug or Panel 3-4C = 5A, 5C = 4A; PCB Receptacle 3-5C = 5A
- Maximum Cable: .115" O.D. for flex relief versions; .170" O.D. for "L" version (omitted flex relief)
- Wire Size: 22 AWG solid; 24 AWG stranded
- Contacts: Pin and Socket-Silver-plated copper alloy; PCB Receptacle-Tin-plated brass
- Housing Material: Plugs and Male Receptable-Nickel-plated copper alloy, Female Receptable-Nickel-plated die cast zinc; PCB Receptable-Thermoplastic

Cord End Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each		
				1	10	25
502-TA3FX	TA3FX	K	3 pin female plug	7.71	6.91	6.10
502-TA3MX	TA3MX	L	3 pin male plug	6.51	5.92	5.62
502-TA3FLX	TA3FLX	M	3 pin female plug for larger cable	7.52	6.73	5.97
502-TA3MLX	TA3MLX	N	3 pin male plug for larger cable	7.48	6.80	6.46
502-TA4FX	TA4FX	K	4 pin female plug	8.33	7.46	6.60
502-TA4MX	TA4MX	L	4 pin male plug	7.78	7.49	7.11
502-TA4FLX	TA4FLX	M	4 pin female for larger cable	9.70	8.69	7.82
502-TA4MLX	TA4MLX	N	4 pin male for larger cable	8.07	7.34	6.97
502-TA5FX	TA5FX	K	5 pin female plug	9.06	8.27	7.83
502-TA5MX	TA5MX	L	5 pin male plug	9.15	8.32	7.90
502-TA5FLX	TA5FLX	M	5 pin female plug for larger cable	10.41	9.46	8.99
502-TA5MLX	TA5MLX	N	5 pin male plug for larger cable	9.06	8.24	7.83

Panel Mount Receptacles

For quantities of 100 and up, call for quote.

502-TB3M	TB3M	O	3 pin male receptacle	7.06	6.33	5.59
502-TY3F	TY3F	P	3 pin female receptacle	10.25	9.32	8.85
502-TB4M	TB4M	O	4 pin male receptacle	9.15	7.05	6.46
502-TY4F	TY4F	P	4 pin female receptacle	13.86	12.60	11.97
502-TB5M	TB5M	O	5 pin male receptacle	9.99	9.08	8.63
502-TY5F	TY5F	P	5 pin femal receptacle	11.79	10.72	10.18

PC Board Mount Receptacles

For quantities of 100 and up, call for quote.

502-TRASM3MX	TRASM3MX	Q	3 pin male surface mount	9.86	8.96	8.57
502-TRAPC3MX	TRAPC3MX	Q	3 pin male thru hole	9.11	8.28	7.87
502-TRASM4MX	TRASM4MX	Q	4 pin male surface mount	10.34	9.40	8.93
502-TRAPC4MX	TRAPC4MX	Q	4 pin male thru hole	9.61	8.74	8.30
502-TRASM5MX	TRASM5MX	Q	5 pin male surface mount	10.96	9.96	9.46
502-TRAPC5MX	TRAPC5MX	Q	5 pin male thru hole	7.57	6.88	6.54

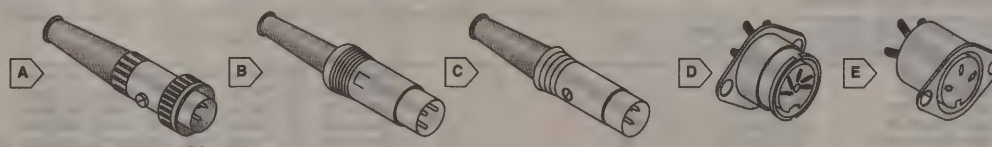
MICROPHONE CONNECTOR

Designed with 5/8-27 threads for use with single conductor microphones with cable O.D. No greater than .281". The coupling ring is removable for fast change from female to male type.

502-2501FX	2501FX	R	Female microphone connector	6.29	5.72	5.43

CIRCULAR DIN CONNECTORS

Designed for low level circuitry in computer, commercial, industrial, consumer, and military applications. They are exact replacements for many foreign built products. They are used extensively for computer keyboard, I/O, and peripheral applications.



DIN Cord End Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each		
				1	10	25
502-05CL3MX	05CL3MX	A	3 pins @ 180° w/lock ring	7.81	7.10	6.75
502-05CL5MX	05CL5MX	A	5 pins @ 180° w/lock ring	8.80	8.00	7.60
502-12CL5MX	12CL5MX	A	5 pins @ 240° w/lock ring	9.79	8.90	8.46
502-05GM3MX	05GM3MX	B	3 pins @ 180° w/shielded barrel	5.59	5.08	4.83
502-05GM5MX	05GM5MX	B	5 pins @ 180° w/shielded barrel	7.22	6.56	6.23
502-12GM5MX	12GM5MX	B	5 pins @ 240° w/shielded barrel	6.34	5.76	5.47
502-05BL3MX	05BL3MX	C	3 pins @ 180° w/extended barrel	5.17	4.70	4.47
502-05BL5MX	05BL5MX	C	5 pins @ 180° w/extended barrel	4.73	4.30	4.09
502-12BL5MX	12BL5MX	C	5 pins @ 240° w/extended barrel	6.67	6.06	5.76

Panel Mount DIN Receptacles

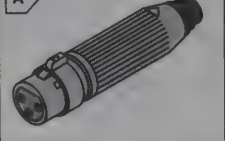
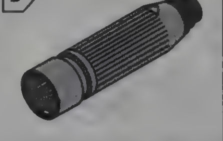
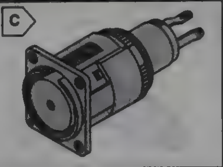
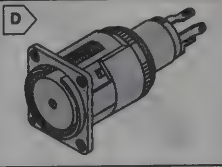
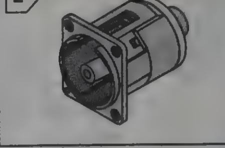
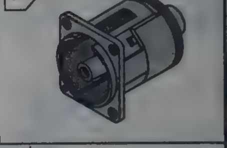
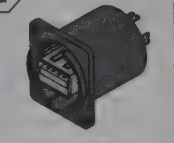
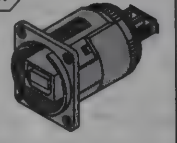
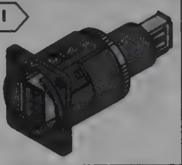
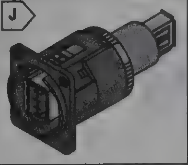
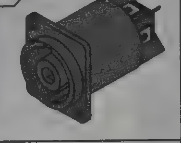
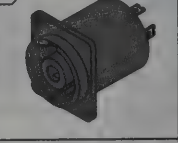
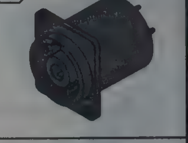
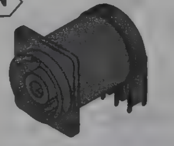
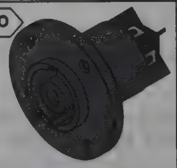
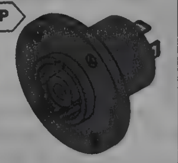
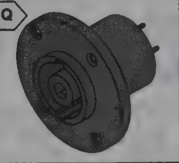
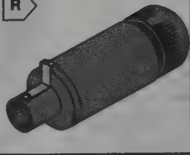
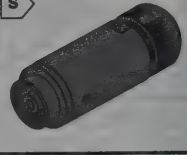
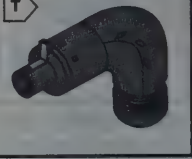
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each		
				1	10	25
502-57HB5FX	57HB5FX	D	5 pins @ 180° for lock ring plug	3.81	3.46	3.29
502-61HA5FX	61HA5FX	D	5 pins @ 240° for lock ring plug	4.07	3.70	3.52
502-57GB3FX	57GB3FX	E	3 pins @ 180° for shielded/extended barrel plug	3.01	2.74	2.60
502-57GB5FX	57GB5FX	E	5 pins @ 180° for shielded/extended barrel plug	3.01	2.74	2.60
502-61GB5FX	61GB5FX	E	5 pins @ 240° for shielded/extended barrel plug	3.41	3.10	2.95

SWITCHCRAFT Audio Connectors

Switchcraft®

RoHS Compliant This page of product is compliant.

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T


AAA SERIES XLR CONNECTORS

Features easy twist on combination handle/strain relief, and reduced number of parts to assemble.

Specifications:
- Current rating per contact: 3 pole=15 A
- Max Wire Size: 3 contact = 14 AWG

RoHS Compliant per Switchcraft documentation.

Letter	Meaning
N	Nickel
M	Metal
B	Black
P	Plastic
S	Silver
G	Gold

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	No. of Contacts	Contact Type/ Plating	Gender	Shell Finish	Handle Type	Handle Color	Price Each		
									1	10	25
502-AAA3FZ	AAA3FZ	A	3	S	FEMALE	N	M	N	3.23	2.94	2.79
502-AAA3FBZ	AAA3FBZ	A	3	S	FEMALE	B	M	B	3.41	3.10	2.95
502-AAA3FBAUZ	AAA3FBAUZ	A	3	G	FEMALE	B	M	B	4.33	3.94	3.74
502-AAA3FPZ	AAA3FPZ	A	3	S	FEMALE	N	P	B	2.97	2.70	2.57
502-AAA3FPBZ	AAA3FPBZ	A	3	S	FEMALE	B	P	B	3.26	2.96	2.81
502-AAA3MZ	AAA3MZ	B	3	S	MALE	N	M	N	2.99	2.72	2.58
502-AAA3MBZ	AAA3MBZ	B	3	S	MALE	B	M	B	3.19	2.90	2.76
502-AAA3MBAUZ	AAA3MBAUZ	B	3	G	MALE	B	M	B	4.53	4.12	3.91
502-AAA3MPZ	AAA3MPZ	B	3	S	MALE	N	P	B	2.73	2.48	2.36
502-AAA3MPBZ	AAA3MPBZ	B	3	S	MALE	B	P	B	2.99	2.72	2.58

EH SERIES CONNECTORS

Conveniently mount into a standard XLR diagonal hole knockouts, which allows different formats to be added to standard preknocked plates or racks with ease.

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each		
				1	10	25
502-EH35MMMSCPKG	EH35MMMSCPKG	C	3.5mm to Solder Terminal Tip-Sleeve - Nickel Housing	11.01	10.01	9.51
502-EH35MMMSCBPKG	EH35MMMSCBPKG	C	3.5mm to Solder Terminal Tip-Sleeve - Black Housing	12.97	11.79	11.20
502-EH35MMSSCPKG	EH35MMSSCPKG	D	3.5mm to Solder Terminal Tip-Ring-Sleeve - Nickel Housing	11.80	10.73	10.19
502-EH35MMSSCBPKG	EH35MMSSCBPKG	D	3.5mm to Solder Terminal Tip-Ring-Sleeve - Black Housing	13.81	12.55	11.93
502-EHRCA2XPKG	EHRCA2XPKG	E	RCA Feed Through - Nickel Housing	9.19	8.36	7.94
502-EHRCA2BXPKG	EHRCA2BXPKG	E	RCA Feed Through - Black Housing	10.78	9.80	9.31
502-EHRCABNCXPKG	EHRCABNCXPKG	F	RCA to BNC - Nickel Housing	10.40	9.46	8.99
502-EHRCABNCBXPKG	EHRCABNCBXPKG	F	RCA to BNC - Black Housing	12.18	11.07	10.52
502-EHUSBABXPKG	EHUSBABXPKG	G	USB A to B - Nickel Housing	13.34	12.13	11.52
502-EHUSBABBXPKG	EHUSBABBXPKG	G	USB A to B - Black Housing	15.63	14.21	13.50
502-EHUSBBAXPKG	EHUSBBAXPKG	H	USB B to A - Nickel Housing	13.34	12.13	11.52
502-EHUSBBABXPKG	EHUSBBABXPKG	H	USB B to A - Black Housing	15.63	14.21	13.50
502-EHFW2BXPKG	EHFW2BXPKG	I	Firewire	17.12	15.56	14.76
502-EHFWX2BXPKG	EHFWX2BXPKG	J	Firewire Crosswired	17.12	15.56	14.76

HPC SERIES CONNECTORS

Specifications:
- Housing: Thermoplastic UL 94V-0 rated.
- Seal Rings: Thermoplastic rubber
- Contacts: Silver-plated over copper alloy
- PC Terminals Current Rating: 30A per UL 1977
- Temp Limits: -55˚C to +85˚C
- Weather tightness: IEC 529, IP25

RoHS Compliant

Panel Mount Connectors

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Description	Price Each		
				1	10	25
502-HPCP41F	HPCP41F	K	Rectangle, .100" Flange Depth, .250 Faston Terminals	3.63	3.30	3.14
502-HPCP42F	HPCP42F	K	Rectangle, .200" Flange Depth, .250 Faston Terminals	3.63	3.30	3.14
502-HPCP41F1	HPCP41F1	L	Rectangle, .100" Flange Depth, .187 Faston Terminals	3.04	2.76	2.62
502-HPCP42F1	HPCP42F1	L	Rectangle, .200" Flange Depth, .187 Faston Terminals	3.04	2.76	2.62
502-HPCP410PC	HPCP410PC	M	Rectangle, .100" Flange Depth, Straight PC Terminals	3.21	2.92	2.77
502-HPCP420PC	HPCP420PC	M	Rectangle, .200" Flange Depth, Straight PC Terminals	3.21	2.92	2.77
502-HPCP410RA	HPCP410RA	N	Rectangle, .100" Flange Depth, Right Angle PC Terminals	3.26	2.96	2.81
502-HPCP420RA	HPCP420RA	N	Rectangle, .200" Flange Depth, Right Angle PC Terminals	3.26	2.96	2.81
502-HPCPR41F	HPCPR41F	O	Round, .100" Flange Depth, .250 Faston Terminals	5.10	4.08	3.88
502-HPCPR42F	HPCPR42F	O	Round, .200" Flange Depth, .250 Faston Terminals	3.81	3.46	3.29
502-HPCPR42F1	HPCPR42F1	P	Round, .200" Flange Depth, .187 Faston Terminals	3.21	2.92	2.77
502-HPCPR410PC	HPCPR410PC	Q	Round, .100" Flange Depth, Straight PC Terminals	3.85	3.50	3.33
502-HPCPR420PC	HPCPR420PC	Q	Round, .200" Flange Depth, Straight PC Terminals	3.85	3.50	3.33
Cord Connectors						
502-HPCC4F	HPCC4F	R	Straight with .250" Faston Terminals	4.69	4.26	4.05
502-HPCI4F	HPCI4F	S	In-Line, with .250" Faston Terminals	4.69	4.26	4.05
502-HPCC4RAF	HPCC4RAF	T	Right Angle with .250" Faston Terminals	6.42	5.84	5.55

NEUTRIK Audio Connectors

RoHS Compliant This page of product is compliant.

COMMERCIAL 1/4" PHONE PLUGS

Material Specifications:

- Features large cable clamp with solder tabs
- Housing/shell: Brass Ni/Au/Black plated or Zinc diecast
- Insulation: Thermoplastic
- Contacts: Brass, Ni/Au plated
- Strain relief: Crimp type SnCe plated
- RoHS Compliant per Neutrik documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Cable O.D.	Price Each		
					1	10	25
568-NYS201	NYS201	A	Mono, short handle	6mm	1.25	1.10	1.01
568-NYS202	NYS202	A	Stereo, short handle	6mm	1.75	1.58	1.41
568-NYS203	NYS203	B	Mono, plastic handle	6mm	1.21	1.05	.95
568-NYS204	NYS204	B	Stereo, plastic handle	6mm	1.35	1.18	1.05
568-NYS224	NYS224	A	Mono, long handle	8mm	1.29	1.11	.98
568-NYS224L	NYS224L	A	Mono, long handle, outlet D=9.5mm	8mm	1.39	1.21	1.04
568-NYS228	NYS228	A	Stereo, long handle	6mm	2.39	2.06	1.89
568-NYS225	NYS225	C	Mono, lg. shell for speaker cable	8mm	2.59	2.29	2.04
568-NYS225B	NYS225B	C	Mono, black lg. shell for speaker cable	8mm	2.49	2.19	1.96

1/4" PROFESSIONAL PHONE PLUGS

- Shell: $ZnAl^4Cu^1$, Ni or Black Cr plated
- Contacts: 2μm Ni (Su) or Gold plated
- Chuck: POM
- Diecast shell
- Soldering terminations
- Chuck-type strain relief
- Plastic sleeve for optimal cable protection
- RoHS Compliant per Neutrik documentation

RoHS Compliant

For quantities of,100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Description	Contacts	Price Each		
						1	10	25
568-NP2C	NP2C	D	2	Nickel satin	Nickel	3.20	3.10	2.90
568-NP2C-BAG	NP2C-BAG	D	2	Black chrome	Nickel	3.35	3.21	2.95
568-NP3C	NP3C	D	3	Nickel satin	Nickel	5.50	4.55	4.25
~~568-NP3C-BAG~~	NP3C-BAG	D	3	Black chrome	Nickel	6.25	5.01	4.55
568-NP2C-AU-SILENT	NP2C-AU-SILENT	E	2	Silent switch, red coating	Gold	8.90	8.76	8.45
568-NP2RX-AU-SILENT	NP2RX-AU-SILENT	E	2	Silent switch, right angle	Gold	11.55	10.82	10.55

1/4" RIGHT ANGLE PROFESSIONAL PHONE PLUGS

- Chuck-type strain relief
- Ground termination without soldering
- RoHS Compliant per Neutrik documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Description	Contacts	Price Each		
						1	10	25
568-NP2RCS	NP2RCS	F	2	Nickel satin	Nickel	3.35	3.05	2.80
568-NP3RCS	NP3RCS	F	3	Nickel satin	Nickel	6.35	6.02	5.71

LONGFRAME TB PHONE PLUGS

- All metal
- Soldering terminations
- Chuck-type strain relief
- No rivets or screws
- RoHS Compliant per Neutrik documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Description	Contacts	Price Each		
						1	10	25
568-NP3TB-B	NP3TB-B	G	3	Black	Nickel	7.50	7.25	6.40
568-NP3TB-R	NP3TB-R	G	3	Red	Nickel	7.50	7.25	6.40

PHONO (RCA) CONNECTORS

- Heavy duty all metal phono plugs with long handle
- Phono plug accepts cable OD up to 0.25"
- Housing/handle: Brass Ni/Au black plated or Zinc diecast
- Insulation: Thermoplastic
- Contacts: Brass Ni/Au plated
- RoHS Compliant per Neutrik documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Contacts	Price Each		
					1	10	25
568-NYS352	NYS352	H	Plug, Nickel shell	Silver	.85	.75	.69
568-NYS352G	NYS352G	H	Plug, Nickel shell	Gold	1.35	1.19	1.01
568-NYS355	NYS355	I	Adapter, Nickel shell	Silver	2.45	2.28	2.01

CIRCULAR DIN CONNECTORS

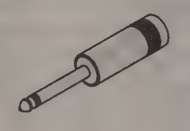
- Diecast shell with nickel plated finish
- Flexible strain relief
- Silver plated - tarnish resistant contacts
- Heavy duty cable clamps
- Female receptacles have stamped housing with nickel plated finish
- Ground contact provides complete shielding
- Housing/handle: Brass Ni/Au black plated or Zinc diecast
- Insulation: Thermoplastic
- Contacts: Brass Ni/Au plated
- Strain relief: Crimp type SnCe plated
- RoHS Compliant per Neutrik documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

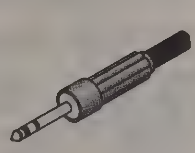
MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Contacts	Price Each		
					1	10	25
568-NYS321	NYS321	J	3 pin plug, Nickel shell	Silver	1.25	1.10	1.01
568-NYS322	NYS322	J	5 pin plug, Nickel shell	Silver	1.31	1.18	1.14
568-NYS323	NYS323	J	7 pin plug, Nickel shell	Silver	1.29	1.20	1.01
568-NYS324	NYS324	K	3 pin jack, Nickel shell	Silver	.51	.44	.38
568-NYS325	NYS325	K	5 pin jack, Nickel shell	Silver	.75	.64	.61
568-NYS326	NYS326	K	7 pin jack, Nickel shell	Silver	.81	.71	.59

A



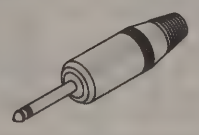
568-NYS201 Illustrated

B



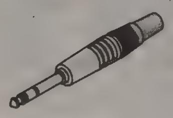
568-NYS204 Illustrated

C



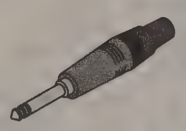
568-NYS225 Illustrated

D



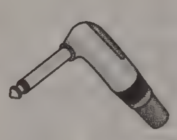
568-NP3C Illustrated

E



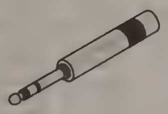
568-NP2C-AU-SILENT Illustrated

F

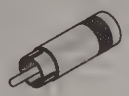


568-NP2RCS Illustrated

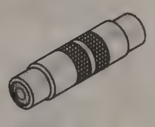
G



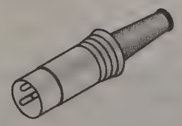
H



I

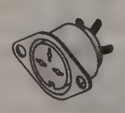


J



568-NYS321 Illustrated

K



568-NYS324 Illustrated

NEUTRIK Audio Connectors

RoHS Compliant This page of product is compliant.

XLR CONNECTORS

Specifications:

- Current rating per contact: 3C = 16A, 4C = 10A, 5C = 7.5A, 6C = 7.5A, 7C = 5A
- Maximum wire gauge: 3C = 14AWG, 4C = 16AWG, 5C, 6C, & 7C = 18AWG
- Contact resistance: ≤ 3mΩ
- RoHS compliant per Neutrik documentation

RoHS Compliant

X Series Straight Cable Connectors

- Screwless assembly • Die-cast shell • Compact design • Chuck type strain relief

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Contacts	Price Each			
						1	10	25	100
Satin Nickel Housing									
568-NC3MX	NC3MX	A	3	Male	Silver	3.49	2.55	2.41	2.07
568-NC4MX	NC4MX	A	4	Male	Silver	4.45	3.75	3.41	2.92
568-NC5MX	NC5MX	A	5	Male	Silver	5.75	4.45	4.05	3.55
568-NC6MX	NC6MX	A	6	Male	Silver	6.05	5.71	5.25	4.45
568-NC7MX	NC7MX	A	7	Male	Silver	5.65	5.55	5.45	4.91
568-NC3FX	NC3FX	B	3	Female	Silver	3.10	2.75	2.45	2.35
568-NC4FX	NC4FX	B	4	Female	Silver	5.75	4.65	4.19	3.94
568-NC5FX	NC5FX	B	5	Female	Silver	6.10	5.45	5.00	4.60
568-NC6FX	NC6FX	B	6	Female	Silver	6.95	6.85	6.75	5.89
568-NC7FX	NC7FX	B	7	Female	Silver	9.55	9.05	8.35	7.95
*568-NC3FX-S	NC3FXS	D	3	Female	Silver	8.50	8.10	7.85	7.63
Black Chrome Housing									
568-NC3MX-B	NC3MX-B	A	3	Male	Gold	4.15	3.25	3.11	3.01
568-NC4MX-B	NC4MX-B	A	4	Male	Gold	5.25	4.55	4.15	4.03
568-NC5MX-B	NC5MX-B	A	5	Male	Gold	6.55	5.55	5.11	4.90
568-NC3FX-B	NC3FX-B	B	3	Female	Gold	4.95	4.20	3.85	3.57
568-NC4FX-B	NC4FX-B	B	4	Female	Gold	7.15	6.05	5.55	5.27
568-NC5FX-B	NC5FX-B	B	5	Female	Gold	7.70	7.05	6.55	6.18

*On-Off Switch

XX Series Straight and Right Angle Cable Connectors

- Compact, uniquely styled diecast shell with internal thread that mates with external thread of boot to eliminate thread exposure
- Improved chuck type strain relief increases retention force and makes assembly easier and faster
- New ergonomic latch lock design mates reliably and gives a positive tactile feedback
- Female connector incorporates new cage type contact spring
- New ground contact provides excellent contact integrity between chassis and cable connector
- Male connector designed with internal locking cam, replacing open "window" cut-out design found in other XLRs
- Right Angle connector is slim and has rotatable insert
- RoHS compliant per Neutrik documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Type	Contacts	Price Each			
							1	10	25	100
Satin Nickel Housing										
568-NC3MXX	NC3MXX	A	3	Male	Straight	Silver	2.45	2.25	2.10	1.88
568-NC3MRX	NC3MRX	C	3	Male	Right Angle	Silver	7.21	7.02	6.81	6.65
568-NC4MXX	NC4MXX	A	4	Male	Straight	Silver	4.45	4.25	4.03	3.65
568-NC5MXX	NC5MXX	A	5	Male	Straight	Silver	4.39	4.27	4.16	3.75
568-NC6MXX	NC6MXX	A	6	Male	Straight	Silver	6.25	5.65	5.35	4.75
568-NC7MXX	NC7MXX	A	7	Male	Straight	Silver	6.52	6.25	5.85	5.15
568-NC3FXX	NC3FXX	B	3	Female	Straight	Silver	2.73	2.65	2.55	2.08
568-NC3FRX	NC3FRX	C	3	Female	Right Angle	Silver	7.55	7.32	7.13	6.95
568-NC4FXX	NC4FXX	B	4	Female	Straight	Silver	6.15	5.65	5.25	4.75
568-NC5FXX	NC5FXX	B	5	Female	Straight	Silver	7.75	7.01	6.51	5.91
568-NC6FXX	NC6FXX	B	6	Female	Straight	Silver	8.10	7.65	7.01	6.35
568-NC7FXX	NC7FXX	B	7	Female	Straight	Silver	8.65	8.05	7.19	6.64
Black Chrome Housing										
568-NC3MXX-B	NC3MXX-B	A	3	Male	Straight	Gold	3.79	3.45	3.20	2.92
568-NC3MRX-B	NC3MRX-B	C	3	Male	Right Angle	Gold	8.55	7.09	6.95	6.55
568-NC4MXX-B	NC4MXX-B	A	4	Male	Straight	Gold	5.55	5.10	4.75	4.29
568-NC5MXX-B	NC5MXX-B	A	5	Male	Straight	Gold	6.65	6.15	5.75	5.15
568-NC6MXX-B	NC6MXX-B	A	6	Male	Straight	Gold	7.15	6.85	6.06	5.45
568-NC7MXX-B	NC7MXX-B	A	7	Male	Straight	Gold	9.25	8.91	7.91	7.15
568-NC3FXX-B	NC3FXX-B	B	3	Female	Straight	Gold	4.24	4.09	3.55	3.24
568-NC3FRX-B	NC3FRX-B	C	3	Female	Right Angle	Gold	8.69	8.48	8.25	8.01
568-NC4FXX-B	NC4FXX-B	B	4	Female	Straight	Gold	7.35	6.95	6.20	5.60
568-NC5FXX-B	NC5FXX-B	B	5	Female	Straight	Gold	9.25	8.95	7.90	7.15
568-NC6FXX-B	NC6FXX-B	B	6	Female	Straight	Gold	10.55	9.95	8.90	8.05
568-NC7FXX-B	NC7FXX-B	B	7	Female	Straight	Gold	13.65	12.95	11.61	10.55

EASYCON® XLR SERIES STRAIGHT CABLE CONNECTORS

Specifications:

- Current rating per contact: 6A
- Contact: Female: CuSn6; Male: CuZn36Pb1.5
- Maximum wire gauge: 22-26 AWG
- Cable OD range: 5.5 - 7.0 mm
- Contact Plating: Au
- RoHS compliant per Neutrik documentation

Features:

- IDC termination
- 3 piece construction reduces assembly time
- No set screw assembly
- Self adjusting cam lock cable clamp

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Housing	Price Each			
						1	10	25	100
568-NC3FEZY-B	NC3FEZY-B	E	3	Female	Black Chrome	4.05	3.95	3.75	2.75
568-NC3FEZY-AU	NC3MEZY-NI	E	3	Female	Satin Nickel	2.94	2.79	2.65	2.50
568-NC3MEZY-B	NC3MEZY-B	F	3	Male	Black Chrome	2.65	2.55	2.35	2.12
568-NC3MEZY-AU	NC3MEZY-AU	F	3	Male	Satin Nickel	2.88	2.74	2.59	2.45

RC SERIES RIGHT ANGLE CABLE CONNECTORS

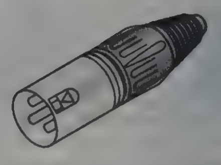
- 7 x 45° indexing
- Chuck type cable clamp
- RoHS Compliant per Neutrik documentation

RoHS Compliant

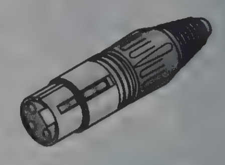
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Contacts	Price Each			
						1	10	25	100
Satin Nickel Housing									
568-NC3MRC	NC3MRC	G	3	Male	Silver	9.25	7.25	6.75	6.31
568-NC4MRC	NC4MRC	G	4	Male	Silver	7.10	6.85	6.35	6.10
568-NC3FRC	NC3FRC	H	3	Female	Silver	10.05	7.50	7.25	6.60
568-NC4FRC	NC4FRC	H	4	Female	Silver	9.50	9.05	8.75	6.83
Black Chrome Housing									
568-NC3MRC-B	NC3MRC-B	G	3	Male	Gold	9.85	8.50	7.25	6.85
568-NC4MRC-B	NC4MRC-B	G	4	Male	Gold	10.05	9.05	8.55	7.48
568-NC3FRC-B	NC3FRC-B	H	3	Female	Gold	10.53	8.97	7.73	7.50
568-NC4FRC-B	NC4FRC-B	H	4	Female	Gold	12.95	12.85	10.50	8.86

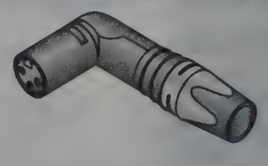
A



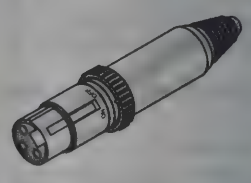
B



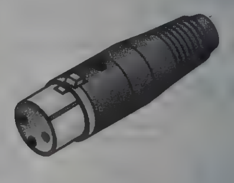
C



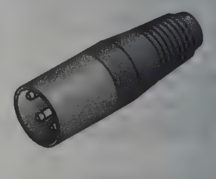
D



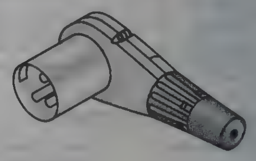
E



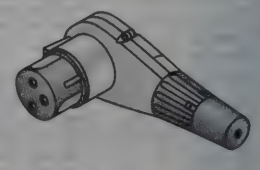
F



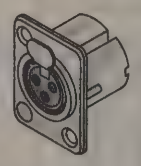
G

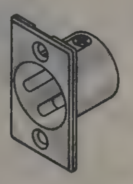


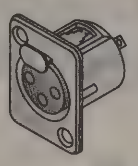
H

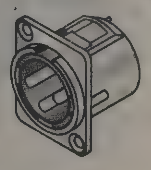


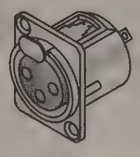
A

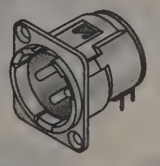
B


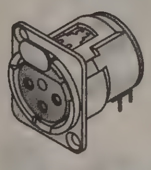
C


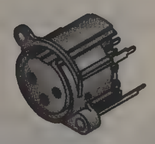
D


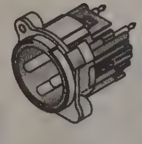
E


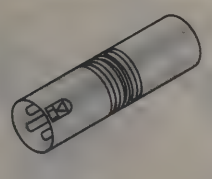
F


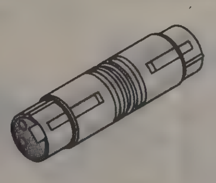
G


H


I


J


K


L


RoHS Compliant This page of product is compliant.

XLR RECEPTACLES - DLX SERIES

NEW FROM SUPPLIER

Features:

- Male connector's retention bar replaces plastic design with all metal version
- Unique cage type female contacts on 3 pole version for increased conductivity
- D-style housing provides installation compatibility with industry standard D mounting dimensions

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Contacts	Gender	Contacts	Price Each			
						1	10	25	100
568-NC3MD-LX	NC3MD-LX	A	3	Male	Silver	**3.04**	**2.84**	**2.76**	**2.68**
568-NC3MD-LX-B	NC3MD-LX-B	A	3	Male	Gold	**3.96**	**3.71**	**3.60**	**3.49**
568-NC3MD-LX-BAG	NC3MD-LX-BAG	A	3	Male	Silver	**3.04**	**2.84**	**2.76**	**2.68**
568-NC3FD-LX	NC3FD-LX	B	3	Female	Silver	**3.23**	**3.03**	**2.94**	**2.85**
568-NC3FD-LX-B	NC3FD-LX-B	B	3	Female	Gold	**4.18**	**3.91**	**3.80**	**3.69**
568-NC3FD-LX-BAG	NC3FD-LX-BAG	B	3	Female	Silver	**3.23**	**3.03**	**2.94**	**2.85**

XLR FLANGED PANEL RECEPTACLES

RoHS Compliant

Specifications:

- Current rating per contact: 3C = 16A, 4C = 10A, 5C = 7.5A, 6C = 7.5A
- Contact resistance: ≤ 3mΩ
- Rated voltage: 250VAC
- Maximum wire gauge: 3C = 14AWG, 4C = 16AWG, 5C & 6C = 18AWG
- RoHS compliant per Neutrik documentation

P Series

- Smallest available

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Contacts	Gender	Contacts	Price Each			
						1	10	25	100
Satin Nickel Housing									
568-NC3MP	NC3MP	C	3	Male	Silver	**3.20**	**3.05**	**2.85**	**2.47**
568-NC4MP	NC4MP	C	4	Male	Silver	**4.35**	**3.25**	**3.01**	**2.91**
568-NC5MP	NC5MP	C	5	Male	Silver	**7.05**	**6.55**	**5.65**	**5.25**
568-NC6MP	NC6MP	C	6	Male	Silver	**7.50**	**7.20**	**6.95**	**6.05**
568-NC3FP-1	NC3FP-1	D	3	Female	Silver	**4.00**	**3.90**	**3.40**	**2.48**
568-NC4FP-1	NC4FP-1	D	4	Female	Silver	**6.94**	**6.25**	**5.55**	**4.81**
568-NC5FP-1	NC5FP-1	D	5	Female	Silver	**10.95**	**10.75**	**8.35**	**6.60**
568-NC6FP-1	NC6FP-1	D	6	Female	Silver	**10.65**	**10.15**	**9.43**	**9.18**
Black Chrome Housing									
568-NC3MP-B	NC3MP-B	C	3	Male	Gold	**4.43**	**3.96**	**3.48**	**3.21**
568-NC4MP-B	NC4MP-B	C	4	Male	Gold	**5.85**	**5.65**	**5.21**	**3.98**
568-NC5MP-B	NC5MP-B	C	5	Male	Gold	**7.60**	**6.89**	**6.30**	**5.78**
568-NC3FP-1-B	NC3FP-B-1	D	3	Female	Gold	**4.72**	**4.21**	**3.86**	**3.63**
568-NC4FP-1-B	NC4FP-B-1	D	4	Female	Gold	**8.25**	**7.55**	**6.38**	**5.61**
568-NC5FP-1-B	NC5FP-B-1	D	5	Female	Gold	**10.25**	**9.75**	**9.05**	**8.23**

DL-1 Series

- Unified metal shell for male and female
- RF-protected
- Solder cups

RoHS Compliant

For quantities of 500 and up, call for quote.

Satin Nickel Housing									
568-NC3MD-L-1	NC3MD-L-1	E	3	Male	Silver	**3.89**	**3.65**	**3.39**	**2.75**
568-NC3FD-L-1	NC3FD-L-1	F	3	Female	Silver	**3.95**	**3.89**	**3.45**	**2.85**
Black Chrome Housing									
568-NC3MD-L-1-B	NC3MD-L-B-1	E	3	Male	Gold	**4.55**	**4.49**	**3.95**	**3.10**
568-NC3FD-L-1-B	NC3FD-L-1-B	F	3	Female	Gold	**4.25**	**4.15**	**4.05**	**3.55**
568-NC5FD-L-1-B	NC5FD-L-B-1	F	5	Female	Gold	**9.58**	**9.10**	**8.62**	**8.14**

D Series Rectangular

- Insert and shell design
- RF-protected
- Satin Ni housing
- PCB

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Mount	Gender	Contacts: Qty / Type	Price Each			
						1	10	25	100
568-NC3MD-V	NC3MD-V	G	Vertical	Male	3 / Silver	**3.46**	**3.29**	**3.11**	**2.94**
568-NC3MD-H	NC3MD-H	G	Horizontal	Male	3 / Silver	**3.95**	**3.76**	**3.62**	**2.91**
568-NC3FD-V	NC3FD-V	H	Vertical	Female	3 / Silver	**4.35**	**3.85**	**3.05**	**2.99**
568-NC3FD-H	NC3FD-H	H	Horizontal	Female	3 / Silver	**4.09**	**3.99**	**3.79**	**3.05**

A & B-SERIES XLR RECEPTACLES

Specifications:

- Current rating per contact: 6A
- Contact resistance: female < 5mΩ, male: < 3mΩ
- Rated voltage: 250VAC
- RoHS compliant per Neutrik documentation

Features:

- Same dimensions for male and female
- Hard gold plated contacts

"A" Series: One piece high impact plastic shell. Internal shell and chassis contact.
"B" Series: Metal shell with plastic insert. Shell of F-version connected to mating shell with grounding contacts.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	No. of Cont.	Gender	Series	Mount	Price Each			
							1	10	25	100
568-NC3FAH-O	NC3FAH-O	I	3	Female	"A" *	Horizontal	**.96**	**.91**	**.86**	**.82**
568-NC3FAH-2	NC3FAH2	I	3	Female	"A" **	Horizontal	**1.66**	**1.55**	**1.48**	**1.19**
568-NC3FAV-O	NC3FAV-O	I	3	Female	"A" *	Vertical	**.96**	**.91**	**.86**	**.82**
568-NC3FBH-1	NC3FBH1	I	3	Female	"B" **	Horizontal	**2.42**	**2.30**	**2.18**	**2.06**
568-NC3FBV-1	NC3FBV1	I	3	Female	"B" **	Vertical	**2.42**	**2.30**	**2.18**	**2.06**
568-NC3MAH	NC3MAH	J	3	Male	"A"	Horizontal	**1.30**	**1.25**	**1.15**	**.94**
568-NC5MAH	NC5MAH	J	5	Male	"A"	Horizontal	**3.90**	**3.71**	**3.51**	**3.32**
568-NC3MAV	NC3MAV	J	3	Male	"A" *	Vertical	**1.06**	**1.01**	**.95**	**.90**
568-NC3MAH-0	NC3MAH-0	J	3	Male	"A" *	Horizontal	**1.30**	**1.25**	**1.15**	**.94**
568-NC3MAV-0	NC3MAV-0	J	3	Male	"A"	Vertical	**1.06**	**1.01**	**.95**	**.90**
568-NC3MBH	NC3MBH	J	3	Male	"B"	Horizontal	**2.22**	**2.11**	**1.99**	**1.89**
568-NC4MBH	NC4MBH	J	4	Male	"B"	Horizontal	**3.32**	**3.15**	**2.98**	**2.82**
568-NC3MBV	NC3MBV	J	3	Male	"B"	Vertical	**2.21**	**2.11**	**2.00**	**1.89**

* No chassis ground ** Pin 1 directly connected to chassis and shell ground

ADAPTERS FOR PROFESSIONAL AUDIO

- RoHS compliant per Neutrik documentation
- Available pre-wired to IEC 268-12

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Price Each			
				1	10	25	100
568-NA3MM/W	NA3MM	K	XLR male to XLR male, pre-wired	**9.04**	**8.59**	**8.14**	**7.68**
568-NA3FF/W	NA3FF	L	XLR female to XLR female, pre-wired	**9.60**	**9.12**	**8.64**	**8.16**

Speakon® and Powercon® Audio Connectors NEUTRIK

SPEAKON® LOUDSPEAKER AMPLIFIER CONNECTORS

Specifications:
- Current rating per contact: 25A rms continuous
- Rated voltage: 250VAC
- Panel cutouts the same as existing audio connector types
- RoHS compliant per Neutrik documentation
- Cable O.D. Range (for plug connectors only): 2-Pole = 6-10mm, 4-Pole = 6-15mm, 8-Pole = 8-20mm

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Type	Gender	Mount	Price Each		
						1	10	25
568-NL2MP	NL2MP	A	2-pole	Male	Chassis, Faston Tabs	2.17	1.96	1.80
568-NL4MP	NL4MP	A	4-pole	Male	Chassis, Faston Tabs	2.80	2.49	2.31
568-NL4MP-ST	NL4MP-ST	A	4-pole	Male	Chassis, Screw Terminals	3.40	3.23	3.06
568-NL4MP-UC	NL4MP-UC	A	4-pole	Male	Chassis, High power (40A rms)	3.40	3.23	3.06
568-NL4MPR	NL4MPR	B	4-pole	Male	Chassis, Faston Tabs	4.25	3.51	3.26
568-NL2FC	NL2FC	C	2-pole	Female	Cable, Screw Terminals	2.94	2.83	2.69
568-NL4FC	NL4FC	C	4-pole	Female	Cable, Screw Terminals	6.55	5.71	5.50
568-NL4MMX	NL4MMX	D	4-pole	Male	Coupler for Linking Cables	5.81	5.75	4.35
568-NL8MPR	NL8MPR	B	8-pole	Male	Chassis, Faston Tabs, Ni Face	7.85	6.94	6.57
568-NL8MPR-BAG	NL8MPR-BAG	B	8-pole	Male	Chassis, Faston Tabs, black Face	7.85	6.94	6.57
568-NL8FC	NL8FC	C	8-pole	Female	Cable, Screw Terminals	11.05	10.25	9.05

SPEAKON® SPX SERIES

Features a higher current rating for the operation of high power speakers and amplifiers carrying more than 1000 Watts. Change easily and quickly from a straight connector to the right-angle version, without disconnecting the cable.

Specifications:
- Rated Current / Contact: 40A rms continuous, 50 A audiosignal, duty cycle 50%
- Dielectric Strength: 4kV peak
- Rated Voltage: 250VAC
- Temperature Range: -30°C to +80°C
- Max. Wire Size: 10AWG/5mm$_2$
- Cable O.D. Range: 6-14mm
- RoHS compliant per Neutrik documentation

Materials:
- Contacts: Brass
- Locking Element: Zinc Diecast
- Housing / Insert: PBTP 20% GR
- Bushing: Polyamide PA 6 15% GR
- Chuck: Polyacetal POM

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Type	Gender	Description	Price Each		
						1	10	25
568-NL4FX-GN	NL4FX-5	E	4-pole	Female	Green Rear Boot	4.73	4.30	4.09
568-NL4FX-WT	NL4FX-9	E	4-pole	Female	White Rear Boot	4.73	4.30	4.09
568-NL4FX-R	NL4FX-2	E	4-pole	Female	Red Rear Boot	4.73	4.30	4.09
568-NL4FX-Y	NL4FX-4	E	4-pole	Female	Yellow Rear Boot	4.73	4.30	4.09
568-NL4FRX	NL4FRX	F	4-pole	Female	Right Angle Connector w/ Black Rear Boot	5.30	5.15	4.90

Accessories

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Price Each		
				1	10	25
568-LCR-WT	LCR-9	G	White Ring for NL4FRX	.44	.40	.39
568-LRX	LRX	H	Conversion kit makes NL4FX to NL4FRX	1.51	1.43	1.35

SPEAKON® STX SERIES

All metal housing makes for rugged and durable connectors. Weatherproof built-in gasket meets IP54 protection class when mated. Mates with all currently available 4 pole Speakon® Products.

Specifications:
- Rated Current per Contact: 40A rms continuous
- Rated Insulation Voltage: 250VAC
- Temperature Range: -30°C to +80°C
- Max. Wire Size: 10AWG/6mm^2
- Cable O.D. Range: 9-16mm
- RoHS compliant per Neutrik documentation

Materials:
- Contacts: Female-Brass; Male-Copper
- Housing/Bushing/Locking Element: Zinc Diecast
- Insert: Polyamide
- Chuck: Polyacetal

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Type	Gender	Description	Price Each		
						1	10	25
568-NLT4FX	NLT4FX	I	4-pole	Female	Cable Mount, Nickel Housing with Solder Cups	9.50	9.10	8.62
568-NLT4FX-BAG	NLT4FX-BAG	I	4-pole	Female	Cable Mount, Black Housing with Solder Cups	10.25	9.79	9.27
568-NLT4MX	NLT4MX	J	4-pole	Male	Cable Mount, Nickel Housing with Solder Cups	9.34	8.87	8.41
568-NLT4MX-BAG	NLT4MX-BAG	J	4-pole	Male	Cable Mount, Black Housing with Solder Cups	9.75	9.29	8.80
568-NLT4FP	NLT4FP	K	4-pole	Female	Chassis Connector, Nickel Housing with Solder Cups	8.50	8.08	7.65
568-NLT4MP	NLT4MP	L	4-pole	Male	Chassis Connector, Nickel Housing w/0.25" Faston Tabs	6.50	5.99	5.45
568-NLT4MP-BAG	NLT4MP-BAG	L	4-pole	Male	Chassis Connector, Black Housing w/0.25" Faston Tabs	6.85	6.44	6.10

POWERCON® LOCKING 3-POLE CONNECTION SYSTEM

Specifications:
- Rated current: 20A rms @ wire size 2.5mm^2
- Rated voltage: 250VAC
- Contact resistance: ≤3mΩ after 5000 insertion withdrawal operations
- Cable OD range: 5-15mm
- Wiring: cable-screw type terminals: chassis-flat tabs
- RoHS compliant per Neutrik documentation

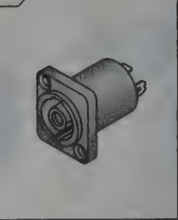
RoHS Compliant

For quantities of 100 and up, call for quote.

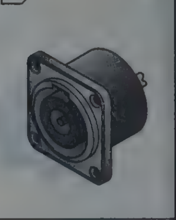
MOUSER STOCK NO.	Neutrik Part No.	Fig.	Mount	Gender	Type	Price Each		
						1	10	25
568-NAC3FCA	NAC3FCA	M	Cable	Female	Power in	5.95	5.25	4.81
568-NAC3FCB	NAC3FCB	M	Cable	Female	Power out	5.59	5.25	4.81
*** 568-NAC3MPA**	NAC3MPA	N	Chassis	Male	Power in	3.01	2.68	2.41
*** 568-NAC3MPB**	NAC3MPB	N	Chassis	Male	Power out	3.01	2.68	2.41
† 568-NAC3MM	NAC3MM	- -	Coupler	- - -	- - -	13.84	12.70	12.32

* The chassis connectors are panel compatible with Neutrik D-Series and SPEAKON NL4MP
† For coupling NAC3FCA to NAC3FCB

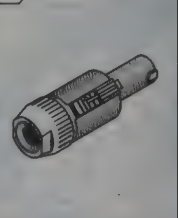
A



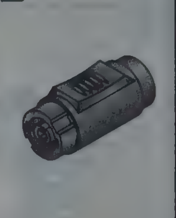
B



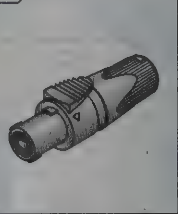
C



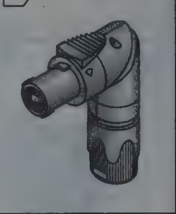
D



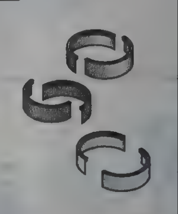
E



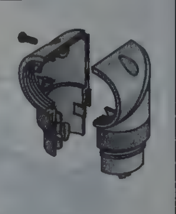
F



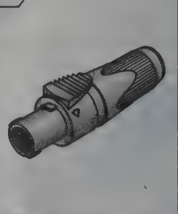
G



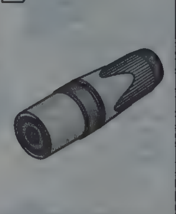
H



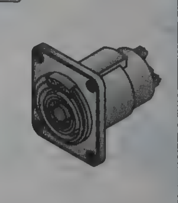
I



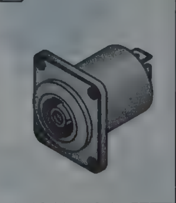
J



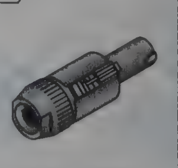
K



L

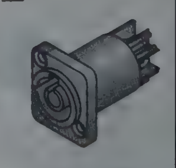


M



NAC3FCA Illustrated

N

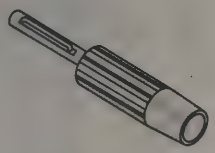


NAC3MPA Illustrated

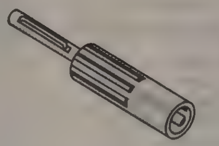
DELTRON Banana Plugs/Jacks and Binding Posts

DIMENSIONS: in.

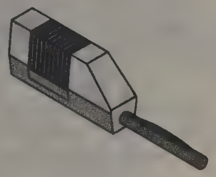
A



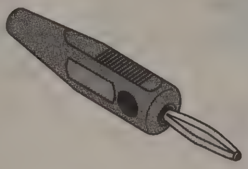
B



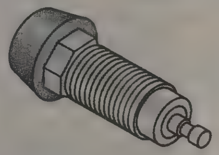
C



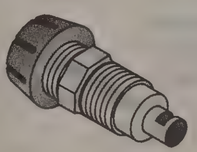
D



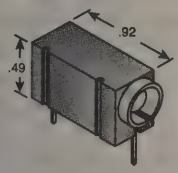
E



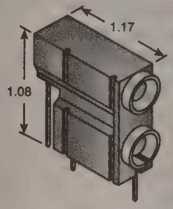
F



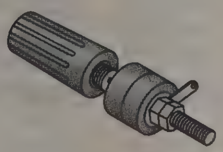
G



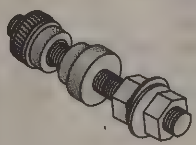
H



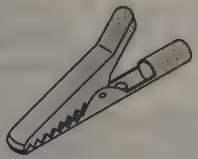
I



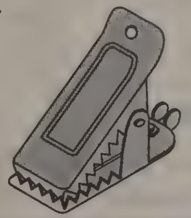
J



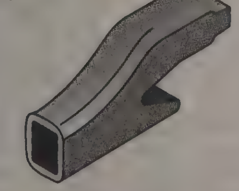
K



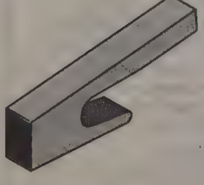
L



M



N



DELTRON BANANA PLUGS

These banana plugs fit all standard banana jacks and are interchangeable with all standard banana plugs. These plugs are available in a variety of styles and sizes to meet all kinds of industrial, OEM, and consumer applications.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Dimensions: in.		Price Each			
			H	Dia.	1	10	100	500
17HR549	A	Red, mates with 164-6217	1.72	.31	.87	.76	.69	.63
17HR550	A	Black, mates with 164-6216	1.72	.31	.87	.76	.69	.63
174-5791	B	Black, 7.1mm cable max	1.92	.39	1.74	1.45	1.32	1.20
174-5795	B	Red, 7.1mm cable max	1.92	.39	1.74	1.45	1.32	1.20
174-5801	B	Black, 7.1mm cable max, gold plated	1.92	.39	3.36	3.02	2.79	2.44
174-5805	B	Red, 7.1mm cable max, gold plated	1.92	.39	2.94	2.65	2.44	2.14
164-5310	C	Black, stackable	1.97	.45	1.47	1.33	1.19	.99
164-5350	C	Red, stackable	1.97	.45	1.47	1.33	1.19	.99
164-5501	D	Black, side stackable	2.36	.39	2.95	2.63	2.27	1.98
164-5505	D	Red, side stackable	2.36	.39	2.95	2.63	2.27	1.98

DELTRON BANANA JACKS

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Dimensions: in.		Price Each			
			H	Dia.	1	10	100	500
164-6216	E	Banana jack, black	1.15	.46	1.04	.93	.84	.76
164-6217	E	Banana jack, red	1.15	.46	1.04	.93	.84	.76
164-6310	F	Banana jack, black, panel mount, solder bucket	1.12	.46	1.02	.91	.83	.75
164-6350	F	Banana jack, red, panel mount, solder bucket	1.12	.46	1.02	.91	.83	.75

DELTRON PCB INSULATED BANANA PLUG SOCKETS

These new sockets mount directly onto printed circuit boards and accept standard banana plugs. They incorporate alignment grooves in the outer housing which allows close mounting. A double height socket permits two test or feed points to be mounted to a PCB. Both single and double sockets are constructed of durable acetal plastic and are rated at 10 amps. Available in red or black.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
164-6218	G	Single printed circuit board socket, black	1.87	1.56	1.42	1.29
164-6219	G	Single printed circuit board socket, red	1.87	1.56	1.42	1.29
164-7140	G	Single printed circuit board, green	1.87	1.56	1.42	1.29
† 164-6220	H	Double printed circuit board socket, black	2.13	1.71	1.61	1.47
†† 164-6221	H	Double printed circuit board socket, red	2.20	1.77	1.66	1.51

For use with single banana plugs only. Dual banana plugs will not fit.

DELTRON INSULATED BINDING POSTS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Dimensions: in.		Price Each			
			H	Dia.	1	10	100	500
164-4201	I	Insulated binding post, black	1.84	.50	2.06	1.72	1.56	1.42
164-4205	I	Insulated binding post, red	1.84	.50	2.06	1.72	1.56	1.42
164-4202	I	Insulated binding post, blue	1.84	.50	2.06	1.72	1.56	1.42
164-4204	I	Insulated binding post, green	1.84	.50	2.06	1.72	1.56	1.42
164-4206	I	Insulated binding post, white	1.84	.50	2.06	1.72	1.56	1.42
164-4207	I	Insulated binding post, yellow	1.84	.50	2.06	1.72	1.56	1.42

DELTRON NON-INSULATED BINDING POST

- Nickel Plated Finish
- 30A Rating

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Dimensions: in.		Price Each			
			H	Dia.	1	10	100	500
164-4200	J	Non-insulated terminal binding post	1.50	.47	2.53	2.28	2.11	1.91

DELTRON CROCODILE CLIPS

- Nickel Plated Finish

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Dimensions: in.		Price Each			
			H	Dia.	1	10	100	500
131-3000	K	Alligator clip, 5 amp, rear banana plug entry	2.01	.32	.48	.44	.42	.40
131-4000	L	Alligator clip, 25 amp	2.95	.63	1.19	1.09	.99	.90

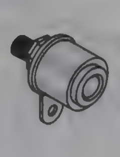
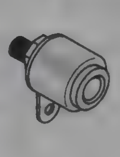
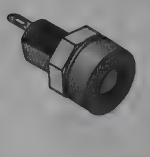
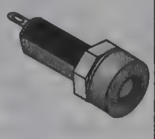
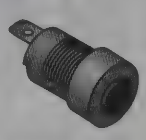
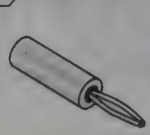
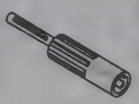
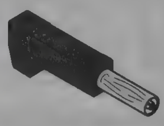
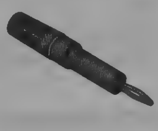
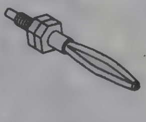
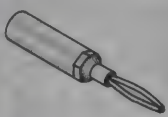
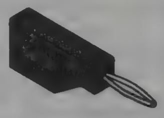
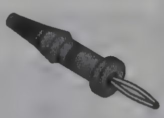
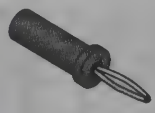
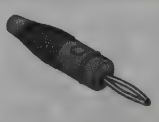
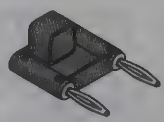
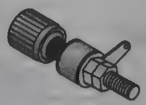
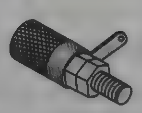
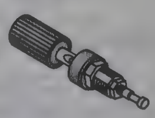
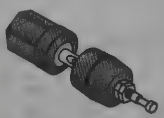
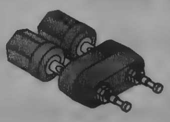
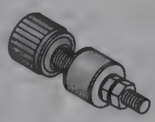
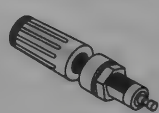
DELTRON CROCODILE CLIP INSULATORS

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
131-2010	M	Black insulator for 131-3000	.91	.87	.82	.79
131-2050	M	Red insulator for 131-3000	.91	.87	.82	.79
131-0010	N	Black insulator for 131-4000	1.29	1.25	1.21	1.18
131-0050	N	Red insulator for 131-4000	1.29	1.25	1.21	1.18

KOBICONN Banana Plugs/Jacks and Binding Posts

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W


BANANA JACKS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Dimensions: in.		Price Each			
			H	Dia.	1	10	100	500
16BJ381	A	Chassis mount, red	.67	.44	.87	.85	.78	.70
16BJ382	A	Chassis mount, black	.67	.44	.87	.85	.78	.70
16BJ383	A	Chassis mount, green	.67	.44	1.54	1.18	1.08	.98
164-R104B-EX	B	With nut and solder tab, black	.67	.47	.75	.62	.57	.52
164-R104R-EX	B	With nut and solder tab, red	.67	.47	.75	.62	.57	.52
164-R116B-EX	C	With fibre washer, black	.95	.43	.75	.62	.57	.52
164-R116R-EX	C	With fibre washer, red	.95	.43	.75	.62	.57	.52
164-R122B-EX	D	With fibre washer, black	1.22	.43	.75	.62	.57	.52
164-R122R-EX	D	With fibre washer, red	1.22	.43	.75	.62	.57	.52
164-R124B-EX	E	Safety type, black	1.21	.56	1.62	1.28	.99	.90
164-R124R-EX	E	Safety type, red	1.21	.56	1.62	1.28	.99	.90

BANANA PLUGS

These banana plugs fit all standard banana jacks and are interchangeable with all standard banana plugs. These plugs are available in a variety of styles and sizes to meet all kinds of industrial, OEM, and consumer applications.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Dimensions: in.		Price Each			
			H	Dia.	1	10	100	500
171-5462	F	Insulated, soft spring plug, red	1.92	.40	.76	.58	.53	.48
171-5461	F	Insulated, soft spring plug, black	1.92	.40	.76	.58	.53	.48
174-8103B-EX	H	With safety sleeve, black	2.20	.61	2.43	2.03	1.84	1.68
174-8103R-EX	H	With safety sleeve, red	2.20	.61	2.43	2.03	1.84	1.68
174-R130B-EX	I	Audio power point, black	2.47	.46	2.43	2.03	1.84	1.68
174-R130R-EX	I	Audio power point, red	2.47	.46	2.43	2.03	1.84	1.68
174-R802-EX	J	Metal 30A	1.29	.154	.75	.62	.57	.52
174-R818B-EX	K	Black 10A	1.87	.37	.97	.81	.73	.67
174-R818R-EX	K	Red 10A	1.87	.37	.97	.81	.73	.67
174-R819B-EX	L	Stackable 10A, black	1.88	.52	1.04	.86	.78	.71
174-R819R-EX	L	Stackable 10A, red	1.88	.52	1.04	.86	.78	.71
174-R820B-EX	M	With strain relief 10A, black	2.36	.43	1.06	.89	.82	.74
174-R820R-EX	M	With strain relief 10A, red	2.36	.43	1.06	.89	.82	.74
174-R822B-EX	N	Solder cup 10A, black	1.63	.47	.92	.71	.64	.58
174-R822R-EX	N	Solder cup 10A, red	1.63	.47	.92	.71	.64	.58
174-R825B-EX	O	In-line plug with cross hole black	2.32	.35	.97	.81	.73	.67
174-R825R-EX	O	In-line plug with cross hole red	2.32	.35	.97	.81	.73	.67
174-R884-EX	P	Dual plug with wire guide, black	1.55	1.26	2.19	2.09	1.98	1.80

INSULATED BINDING POSTS

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Dimensions: in.		Price Each			
			H	Dia.	1	10	100	500
164-R101B-EX	Q	With solder tab, black	1.50	.48	1.06	.89	.82	.74
164-R101R-EX	Q	With solder tab, red	1.50	.48	1.06	.89	.82	.74
164-R105-EX	R	Un-insulated metal with solder tab	1.00	.39	1.12	.89	.85	.77
164-R109B-EX	S	Insulated with 1 nut and washer black	1.97	.45	1.12	.89	.85	.77
164-R109R-EX	S	Insulated with 1 nut and washer red	1.97	.45	1.12	.89	.85	.77
164-R119B-EX	T	With 2 nuts and washer, black	1.84	.56	1.52	1.27	1.15	1.05
164-R119R-EX	T	With 2 nuts and washer, red	1.84	.56	1.52	1.27	1.15	1.05
164-19B2-EX	U	Dual with base black; red & black	1.85	1.36	3.68	3.07	2.79	2.54
164-R126B-EX	V	Heavy duty 30A, black	1.65	.63	2.41	1.99	1.83	1.66
164-R126R-EX	V	Heavy duty 30A, red	1.65	.63	2.41	1.99	1.83	1.66
164-R134B-EX	W	Gray with black color ring	1.90	.47	1.17	.98	.89	.81
164-R134R-EX	W	Gray with red color ring	1.90	.47	1.17	.98	.89	.81

BANANA PLUGS

Insulated Side Set Screw Solderless

- 15 Amp • Max Wire: 16AWG • RoHS Compliant per Johnson documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Color	Price Each					
				1	10	25	100	250	500
530-108-1702-101	108-1702-101	A	Red	1.61	1.44	1.30	1.14	1.04	.97
530-108-1703-101	108-1703-101	A	Black	1.61	1.44	1.30	1.14	1.04	.97

Insulated Solderless Tapered Handle

- 15 Amp • Max Wire: 16AWG

For quantities of 1000 and up, call for quote.

530-108-0302-1	108-0302-001	B	Red	1.02	.90	.82	.70	.65	.62
530-108-0303-1	108-0303-001	B	Black	1.02	.90	.82	.70	.65	.62
530-108-0301-1	108-0301-001	B	White	1.02	.90	.82	.70	.65	.62
530-10803041	108-0304-001	B	Green	1.02	.90	.82	.70	.65	.62
530-108-0306-1	108-0306-001	B	Orange	1.02	.90	.82	.70	.65	.62
530-108-0307-1	108-0307-001	B	Yellow	1.02	.90	.82	.70	.65	.62
530-108-0308-1	108-0308-001	B	Brown	1.02	.90	.82	.70	.65	.62
530-108-0310-1	108-0310-001	B	Blue	1.02	.90	.82	.70	.65	.62
530-108-0312-1	108-0312-001	B	Violet	1.02	.90	.82	.70	.65	.62

Insulated Hex Body Solder Long Handle

- 15 Amp • Max Wire: 16AWG

For quantities of 1000 and up, call for quote.

530-108-0752-2	108-0752-002	C	Red	1.67	1.34	1.29	1.12	1.02	.96
530-108-0752-1	108-0752-001	C	Black	1.67	1.34	1.29	1.12	1.02	.96

Insulated Stacking Single

- 15 Amp • Max Wire: 16AWG

For quantities of 1000 and up, call for quote.

530-108-1082-1	108-1082-001	D	Red	1.71	1.50	1.35	1.19	1.09	1.01
530-108-1083-1	108-1083-001	D	Black	1.71	1.50	1.35	1.19	1.09	1.01
530-108-1081-1	108-1081-001	D	White	1.71	1.50	1.35	1.19	1.09	1.01

Dual-Insulated Stacking Set Screw

- 15 Amp • Max Wire: 14AWG

For quantities of 1000 and up, call for quote.

530-108-0252-1	108-0252-001	E	Red	5.32	4.53	3.99	3.78	3.49	3.29
530-108-0253-1	108-0253-001	E	Black	5.32	4.53	3.99	3.78	3.49	3.29

Uninsulated Panel .375" Threaded Stud

- 15 Amp • Max Wire: 14AWG

For quantities of 1000 and up, call for quote.

530-108-0750-1	108-0750-001	F	Nickel	1.28	1.12	1.00	.90	.83	.76

Uninsulated Panel Screw Type

- 15 Amp • Max Wire: 14AWG

For quantities of 1000 and up, call for quote.

530-108-0753-1	108-0753-001	G	Silver	1.08	1.01	.88	.80	.71	.66

Miniature-Insulated Solder Type

- 10 Amp • Max Wire: 18AWG

For quantities of 1000 and up, call for quote.

530-108-1002-1	108-1002-001	H	Red	1.43	1.28	1.11	1.01	.96	.89
530-108-1003-1	108-1003-001	H	Black	1.43	1.28	1.11	1.01	.96	.89

BANANA JACKS

Insulated Solder Terminal

- 15 Amp • Max Wire: 16AWG • RoHS Compliant per Johnson documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Color	Price Each					
				1	10	25	100	250	500
530-108-0902-1	108-0902-001	I	Red	.57	.47	.43	.38	.34	.32
530-108-0903-1	108-0903-001	I	Black	.57	.47	.43	.38	.34	.32
530-108-0901-1	108-0901-001	I	White	.63	.52	.47	.42	.38	.35
530-1080904-1	108-0904-001	I	Green	.53	.46	.40	.36	.34	.32
530-108-0906-1	108-0906-001	I	Orange	.50	.41	.37	.33	.31	.29
530-108-0907-1	108-0907-001	I	Yellow	.50	.41	.37	.33	.31	.29
530-108-0908-1	108-0908-001	I	Brown	.53	.46	.40	.36	.34	.32
530-108-0910-1	108-0910-001	I	Blue	.50	.41	.37	.33	.31	.29
530-108-0912-1	108-0912-001	I	Violet	.53	.46	.40	.36	.34	.32
530-108-0913-1	108-0913-001	I	Grey	.50	.41	.37	.33	.31	.29

Uninsulated Solder Terminal

- 15 Amp • Max Wire: 12AWG

For quantities of 1000 and up, call for quote.

530-108-0740-1	108-0740-001	J	Nickel	1.30	1.06	.98	.88	.78	.72

Miniature-Insulated Rib-Loc® Turret Terminal

- 10 Amp

For quantities of 1000 and up, call for quote.

530-108-1102-1	108-1102-001	K	Red	.72	.58	.52	.45	.41	.39
530-108-1103-1	108-1103-001	K	Black	.72	.58	.52	.45	.41	.39

BINDING POSTS

Insulated Standard

- 15 Amp • Panel Thickness: Up to .281" • RoHS Compliant per Johnson documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Color	Price Each					
				1	10	25	100	250	500
530-111-0102-1	111-0102-001	L	Red	1.91	1.73	1.53	1.38	1.30	1.19
530-111-0103-1	111-0103-001	L	Black	1.91	1.73	1.53	1.38	1.30	1.19
530-111-0101-1	111-0101-001	L	White	1.91	1.73	1.53	1.38	1.30	1.19
530-111-0104-1	111-0104-001	L	Green	1.85	1.63	1.52	1.44	1.37	1.26
530-111-0107-1	111-0107-001	L	Yellow	1.74	1.57	1.39	1.26	1.16	1.06
530-111-0110-1	111-0110-001	L	Blue	2.24	2.01	1.87	1.77	1.69	1.55

Uninsulated Grounded Type

- 15 Amp • Panel Thickness: Up to .281"

For quantities of 1000 and up, call for quote.

530-111-2223-001	111-2223-001	M	Nickel	2.11	1.88	1.64	1.49	1.26	1.15

Insulated Grounded Type

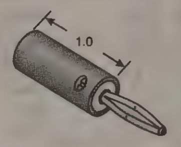
- 15 Amp • Panel Thickness: Up to .313"

For quantities of 1000 and up, call for quote.

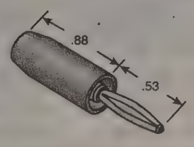
530-111-0702-001	111-0702-001	N	Red	1.96	1.79	1.71	1.56	1.49	1.41
530-111-0703-001	111-0703-001	N	Black	1.96	1.79	1.71	1.56	1.49	1.41

DIMENSIONS: in.

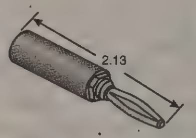
A



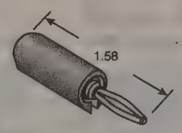
B



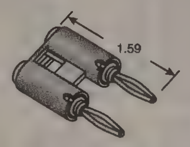
C



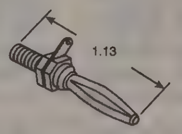
D



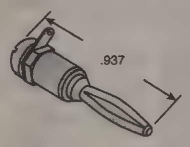
E



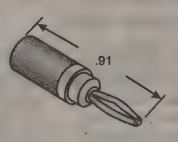
F



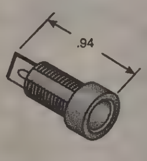
G



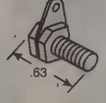
H



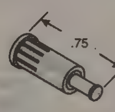
I



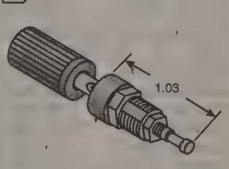
J



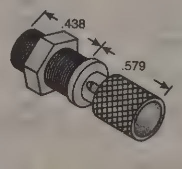
K



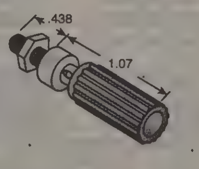
L



M



N



TIP PLUGS

RoHS Compliant

Insulated Solderless Type

• 10 Amp • Max Wire: 16AWG • RoHS Compliant per Johnson documentation For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Color	Price Each					
				1	10	25	100	250	500
530-105-0302-1	105-0302-001	A	Red	.75	.66	.61	.51	.49	.45
530-105-0303-1	105-0303-001	A	Black	.75	.66	.61	.51	.49	.45
530-105-0301-1	105-0301-001	A	White	.75	.66	.61	.51	.49	.45
530-105-0304-1	105-0304-001	A	Green	.75	.66	.61	.51	.49	.45
530-105-0310-1	105-0310-001	A	Blue	.75	.66	.61	.51	.49	.45

Insulated Small Handle Type

• 10 Amp • Max Wire: 16AWG • .188" Diameter For quantities of 1000 and up, call for quote.

530-105-0772-1	105-0772-001	B	Red	.83	.73	.66	.59	.56	.53
530-105-0773-1	105-0773-001	B	Black	.83	.73	.66	.59	.56	.53

TIP JACKS

RoHS Compliant

Insulated Metal Clad Standard Type

• 10 Amp • Panel Thickness: Up to .281" • RoHS Compliant per Johnson documentation For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Color	Price Each					
				1	10	25	100	250	500
530-105-0252-1	105-0252-001	C	Red	1.00	.85	.75	.68	.63	.58
530-105-0253-1	105-0253-001	C	Black	1.00	.85	.75	.68	.63	.58

Insulated Standard

• 10 Amp • Panel Thickness: Up to .437" For quantities of 1000 and up, call for quote.

530-105-0802-1	105-0802-001	D	Red	.66	.57	.50	.44	.41	.37
530-105-0803-1	105-0803-001	D	Black	.66	.57	.50	.44	.41	.37
530-105-0801-1	105-0801-001	D	White	.66	.57	.50	.44	.41	.37
530-105-0804-1	105-0804-001	D	Green	.66	.57	.50	.44	.41	.37
530-105-0807-1	105-0807-001	D	Yellow	.66	.57	.50	.44	.41	.37
530-105-0810-1	105-0810-001	D	Blue	.66	.57	.50	.44	.41	.37

Insulated Standard Rib-Loc®

• 5 Amp • Panel Thickness: Up to .375" For quantities of 1000 and up, call for quote.

530-105-1042-1	105-1042-001	E	Red	1.05	.92	.85	.74	.67	.63
530-105-1043-1	105-1043-001	E	Black	1.05	.92	.85	.74	.67	.63
530-105-1041-1	105-1041-001	E	White	1.05	.92	.85	.74	.67	.63
530-105-1044-1	105-1044-001	E	Green	1.05	.92	.85	.74	.67	.63
530-105-1047-1	105-1047-001	E	Yellow	1.05	.92	.85	.74	.67	.63
530-105-1050-1	105-1050-001	E	Blue	1.66	1.44	1.33	1.17	1.05	1.00

Insulated Deluxe

• 10 Amp • Panel Thickness: Up to .437" For quantities of 1000 and up, call for quote.

530-105-0602-1	105-0602-001	F	Red	1.08	.96	.87	.76	.70	.65
530-105-0603-1	105-0603-001	F	Black	1.08	.96	.87	.76	.70	.65
530-105-0601-1	105-0601-001	F	White	1.08	.96	.87	.76	.70	.65
530-105-0604-1	105-0604-001	F	Green	1.08	.96	.87	.76	.70	.65
530-105-0607-1	105-0607-001	F	Yellow	1.08	.96	.87	.76	.70	.65
530-105-0610-1	105-0610-001	F	Blue	1.08	.96	.87	.76	.70	.65

TEST JACKS

RoHS Compliant

Horizontal Insulated Standard

• 5 Amp • Pin Spacing: .400" • RoHS Compliant per Johnson documentation For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Color	Price Each					
				1	10	25	100	250	500
530-105-0751-1	105-0751-001	G	White	.40	.34	.29	.25	.23	.22
530-105-0752-1	105-0752-001	G	Red	.40	.34	.29	.25	.23	.22
530-10507531	105-0753-001	G	Black	.40	.34	.29	.25	.23	.22
530-105-0754-1	105-0754-001	G	Green	.40	.34	.29	.25	.23	.22
530-105-0757-1	105-0757-001	G	Yellow	.40	.34	.29	.25	.23	.22
530-105-0756-1	105-0756-001	G	Orange	.40	.34	.29	.25	.23	.22
530-105-0758-1	105-0758-001	G	Brown	.40	.34	.29	.25	.23	.22
530-105-0760-1	105-0760-001	G	Blue	.40	.34	.29	.25	.23	.22
530-105-0762-1	105-0762-001	G	Violet	.40	.34	.29	.25	.23	.22

Horizontal Insulated Miniature

• 5 Amp • Pin Spacing: .200" For quantities of 1000 and up, call for quote.

530-105-1101-1	105-1101-001	H	White	.40	.34	.29	.25	.23	.22
530-105-1102-1	105-1102-001	H	Red	.40	.34	.29	.25	.23	.22
530-105-1103-1	105-1103-001	H	Black	.40	.34	.29	.25	.23	.22
530-105-1104-1	105-1104-001	H	Green	.40	.34	.29	.25	.23	.22
530-105-1107-1	105-1107-001	H	Yellow	.40	.34	.29	.25	.23	.22
530-105-1110-1	105-1110-001	H	Blue	.40	.34	.29	.25	.23	.22

Vertical Insulated - Machined Contact

• 5 Amp For quantities of 1000 and up, call for quote.

530-105-0851-1	105-0851-001	I	White	.58	.52	.47	.41	.36	.34
530-105-0852-1	105-0852-001	I	Red	.58	.52	.47	.41	.36	.34
530-105-0853-1	105-0853-001	I	Black	.58	.52	.47	.41	.36	.34

Vertical Insulated - Formed Contact

• 5 Amp For quantities of 1000 and up, call for quote.

530-105-2201-1	105-2201-201	J	White	.53	.47	.45	.37	.33	.31
530-105-2202-1	105-2202-201	J	Red	.53	.47	.45	.37	.33	.31
530-105-2203-1	105-2203-201	J	Black	.53	.47	.45	.37	.33	.31

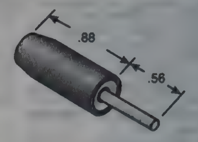
Shielded Vertical

• 29Ω • 0 to 2 GHz • Durability: 250 Cycles For quantities of 1000 and up, call for quote.

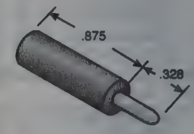
530-129-0701-1	129-0701-201	K	Tin	3.58	3.17	2.87	2.73	2.59	2.26

DIMENSIONS: in.

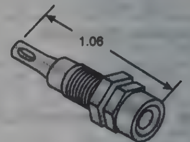
A



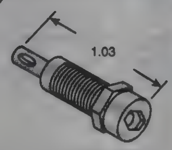
B



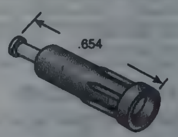
C



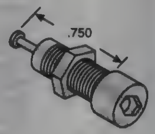
D



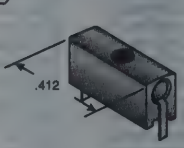
E



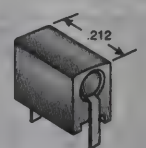
F



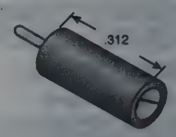
G



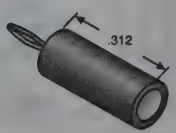
H



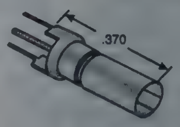
I



J



K



AMP BNC Connectors

Tyco Electronics
Authorized Distributor

BNC PLUGS

- Bayonet lock coupling for quick connect/disconnect
- Fully intermateable with comparable BNC UG/U connectors
- Single crimp connectors offer one crimping operation

- UL approved: File No. E81956
- CSA approved: File No. LR 7189

Specifications:
- Center contact plating: Gold

Dielectric: is either polyethylene (PE), polymethylpentene (PM), polypropylene (PP), or TEFLON (T).
✻ Silver Center Contact Plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Body Plating	Dielectric	Cable Type RG/U	Price Each 1	10	25
50 Ohm									
571-330876	330876	A	Mil, Single Crimp	Silver	T	178, 178A, 178B, 196, 196A	15.38	13.84	13.07
571-2-221128-1	2-221128-1	B	Commercial, Hex Crimp	Nickel	PE	174, 188, 188A, 316	3.00	2.69	2.37
571-12270796	1-227079-6	C	Commercial, Dual Crimp	Nickel	PE	174, 188, 188A, 316	1.81	1.63	1.54
571-225395-7	225395-7	D	Mil, Dual Crimp	Nickel	T	174, 188, 188A, 316	3.83	3.52	3.10
571-22211283	2-221128-3	B	Commercial, Hex Crimp	Nickel	PE	179, 179A, 179B, 161, 187, 187A, Belden 9221	2.28	2.17	1.96
571-62270797	6-227079-7	C	Commercial, Dual Crimp	Nickel	PE	Belden 8219	2.19	2.09	1.88
571-62270798	6-227079-8	C	Commercial, Dual Crimp	Nickel	PE	Belden 9907, 89907 Comm/Scope 2104	1.30	1.17	1.04
571-227079-5	227079-5	C	Commercial, Dual Crimp	Nickel	PE	58, 58A, 58B, 58C	2.28	2.06	1.94
571-2270799✻	227079-9	C	Commercial, Dual Crimp	Nickel	PE	58, 58A, 58B, 58C	2.84	2.56	2.41
571-2253951	225395-1	D	Mil, Dual Crimp	Nickel	T	58, 58A, 58B, 58C	3.79	3.24	3.06
571-2270796	227079-6	C	Commercial, Dual Crimp	Nickel	PE	223, 55, 55A, 55B	1.71	1.63	1.47
571-2253953	225395-3	D	Mil, Dual Crimp	Nickel	T	223, 55, 55A, 55B	3.78	3.52	3.23
571-2253956	225395-6	D	Mil, Dual Crimp	Nickel	T	142, 142A, 142B, 400	3.33	2.82	2.66
571-12211281	1-221128-1	B	Commercial, Hex Crimp	Nickel	PE	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209, 9269	2.38	2.14	2.02
571-2270797	227079-7	C	Commercial, Dual Crimp	Nickel	PE	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209, 9269	2.13	1.92	1.81
571-2253952	225395-2	D	Mil, Dual Crimp	Nickel	T	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209, 9269	3.75	3.49	3.00
75 Ohm									
571-4135898	413589-8	E	Hex Crimp	Nickel	PE	179, 179A, 179B, 187, 187A, 161, Belden 9221	3.42	3.08	2.91
571-2211858	221185-8	E	Dual Crimp	Nickel	PE	179, 179A, 179B, 187, 187A, 161, Belden 9221	2.90	2.85	2.32
571-2211853	221185-3	E	Dual Crimp	Nickel	PE	Belden 8218	2.32	2.20	2.09
571-2211852	221185-2	E	Dual Crimp	Nickel	PE	140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209, 9269	3.00	2.49	2.43
571-2211859	221185-9	E	Dual Crimp	Nickel	PE	Belden 8212, 9104, 9112, 9167, 9240, 9259, 9266, Times FM-59, (RG-59 Type with 20 AWG C.C.)	2.17	1.95	1.84
571-2211851	221185-1	E	Dual Crimp	Nickel	PE	Belden 9248, 9114	2.45	2.33	2.10
571-2211857	221185-7	E	Dual Crimp	Nickel	PE	6, 6A	3.00	2.70	2.55

BNC TWIST-ON PLUG

Twist-on connectors require no special tooling for application to the cable. Must be used with cable that has a solid conductor.

For quantities of 100 and up, call for quote.

571-4142653	414265-3	F	Commercial	Nickel	PM	59, 59A, 59B	4.88	4.39	4.15

These plugs are not recommended for applications where the cable frequently moves or flexes.

BNC RIGHT ANGLE PLUGS

- Center contact plating: Gold

For quantities of 100 and up, call for quote.

571-4139593	413959-3	G	Commercial, Hex Crimp	Nickel	PM	174, 188, 188A, 316	12.40	11.16	10.54
571-2259734	225973-4	H	Mil, Dual Crimp	Silver	T	142, 142A, 142B, 400	33.36	30.02	28.36

BNC JACKS

- Center contact plating: Gold

For quantities of 100 and up, call for quote.

50 Ohm									
571-4137793	413779-3	I	Commercial, Hex Crimp	Nickel	PM	174, 188, 188A, 316	3.76	3.38	3.20
571-2253961	225396-1	J	Mil, Dual Crimp	Nickel	T	58, 58A, 58B, 58C	6.60	5.94	5.61
571-2253967	225396-7	J	Mil, Dual Crimp	Nickel	T	174, 188, 188A, 316	7.60	6.84	6.46
75 Ohm									
571-4137603	413760-3	K	Hex Crimp	Nickel	- - -	Belden 8218	4.68	4.21	3.98

BNC BULKHEAD JACKS

- Center contact plating: Gold

For quantities of 100 and up, call for quote.

50 Ohm									
571-12253985	1-225398-5	L	Mil, Dual Crimp	Nickel	T	Times RD316	4.24	3.82	3.60
571-2253981	225398-1	L	Mil, Dual Crimp	Nickel	T	58, 58A, 58B, 58C	12.52	11.27	10.64
571-2253987	225398-7	L	Mil, Dual Crimp	Nickel	T	174, 188, 188A, 316	5.44	5.18	5.01
75 Ohm									
571-4135908	413590-8	M	Hex Crimp	Nickel	- - -	179, 179A, 179B, 161, 187, 187A, Belden 9221	6.22	5.60	5.29
571-2212215	221221-5	M	Dual Crimp	Nickel	- - -	179, 179A, 179B, 161, 187, 187A, Belden 9221	5.78	5.20	4.91
Front Mount with Solder Terminal									
571-2212441	221244-1	N	- - -	Nickel	PE	- - - -	4.20	3.78	3.57
Rear Mount									
571-4142171	414217-1	O	- - -	Nickel	PE	- - - -	8.16	7.34	6.94

RIGHT ANGLE METALLIZED JACK CONNECTORS

- 50 Ohm
- PC board mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Body Plating	Center Contact Length In. (mm)	Mounting Height In. (mm)	Price Each 1	10	25	100
571-413631-1	413631-1	P	Nickel	.171 (4.34)	10.97 (.432)	6.32	5.70	5.44	5.18

BNC JACK CONNECTORS

- 75 Ohm
- Mounting Post
- PC board/panel mount

For quantities of 500 and up, call for quote.

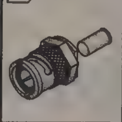
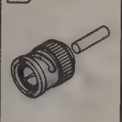
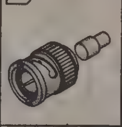
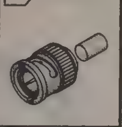
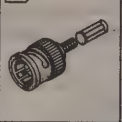
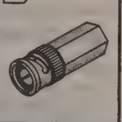
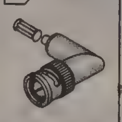
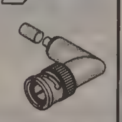
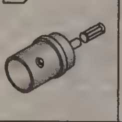
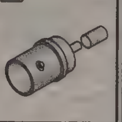
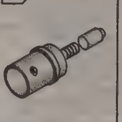
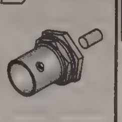
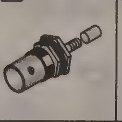
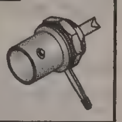
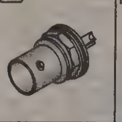
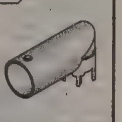
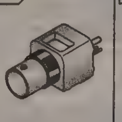
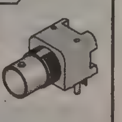
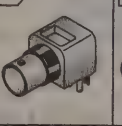
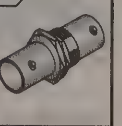
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Contact Finish	Mounting Height In. (mm)	Price Each 1	10	25	100
571-2221321	222132-1	Q	Vertical, Metal	Gold 30μ"	34.93 (1.375)	6.54	6.29	6.06	5.23
571-4131941	413194-1	R	Right Angle, VALOX, White	Gold 30μ"	13.88 (.519)	7.18	6.46	6.10	5.74
571-4131942	413194-2	R	Right Angle, VALOX, Black	Gold 30μ"	13.88 (.519)	7.18	6.46	6.10	5.74
571-2220921	222092-1	S	Right Angle, Metal	Gold 30μ"	15.88 (.625)	4.64	4.47	4.33	3.71

BNC METALLIZED JACK CONNECTORS

- 75 Ohm
- PC board mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Center Contact	Price Each 1	10	25	100
571-2221171	222117-1	T	Bulkhead Jack-Jack Adapter, Nickel	Gold	9.32	8.76	7.98	6.60

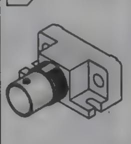
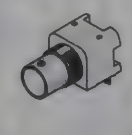
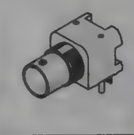
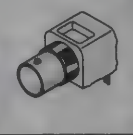
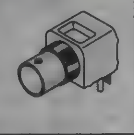
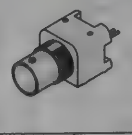
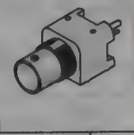
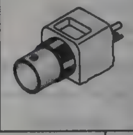
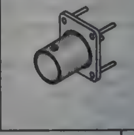
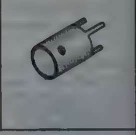
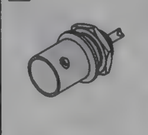
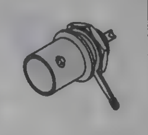
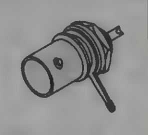
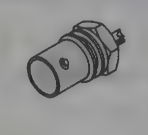
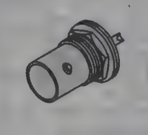
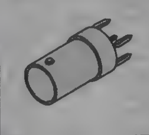
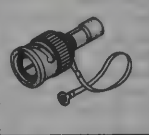
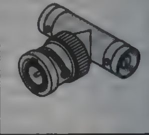
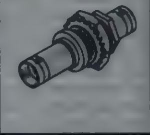
A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T


ACCESSORIES

MOUSER STOCK NO.	AMP Part No.	Price Each
Lockwasher		
571-13296322	1-329632-2	.17
Jam Nut		
571-13296312	1-329631-2	.19

AMP 50 Ohm BNC Connectors

Tyco Electronics
Authorized Distributor

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S


JACKS WITH MOUNTING FLANGES

Specifications:
- Body material: VALOX, White
- 1/2-28 Thread
- PC Board/Panel Mount

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Center Contact	Mounting Height In. (mm)	Price Each			
						1	10	25	100
571-5226978-1	5226978-1	A	Right Angle	Tin	.625 (15.88)	7.16	6.44	6.09	5.73
571-5226978-3	5226978-3	A	Right Angle	Gold	.625 (15.88)	7.16	6.44	6.09	5.73

RIGHT ANGLE JACK CONNECTORS

RoHS Compliant

Specifications: • PC Board/Panel Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Mounting Posts	Center Contact	Mounting Height In.(mm)	Price Each			
						1	10	25	100
Body Material: VALOX, White									
571-5226990-1	5226990-1	B	with out	Tin	.625 (15.88)	2.51	2.26	2.14	2.01
571-5227161-1	5227161-1	C	with	Tin	.625 (15.88)	1.85	1.67	1.58	1.48
571-5226990-3	5226990-3	B	with out	Gold	.625 (15.88)	2.15	1.94	1.83	1.72
571-5227161-3	5227161-3	C	with	Gold	.625 (15.88)	1.85	1.67	1.58	1.48
571-5227161-3	5227161-3	C	with	Gold	.519 (13.18)	1.85	1.67	1.58	1.48
Body Material: VALOX, Black									
571-5227161-2	5227161-2	C	with	Tin	.625 (15.88)	1.85	1.67	1.58	1.48
571-5227161-6	5227161-6	C	with	Gold	.625 (15.88)	1.85	1.67	1.58	1.48
571-5227161-9	5227161-9	C	with	Gold	.519 (13.18)	1.85	1.67	1.58	1.48
Body Material: Metal									
571-5227661-1	5227661-1	E	with	Tin	.625 (15.88)	2.50	2.25	2.13	2.00
571-5227676-1	5227676-1	D	with out	Gold	.625 (15.88)	2.57	2.31	2.18	2.05
571-5227677-1	5227677-1	E	with	Gold	.625 (15.88)	2.80	2.65	2.33	2.20
571-5413879-1	5413879-1	E	with	Gold	.500 (12.70)	4.42	3.98	3.76	3.54

VERTICAL JACK CONNECTORS

Specifications:

RoHS Compliant

- PCB/Panel Mount
- Order lockwashers and jam nuts separately

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Mounting Posts	Center Contact	Mounting Height In.(mm)	Price Each			
						1	10	25	100
Body Material: VALOX, White									
571-5226993-1	5226993-1	F	with out	Tin	1.375 (34.93)	6.08	5.47	5.17	4.86
571-5227222-1	5227222-1	G	with	Tin	1.375 (34.93)	2.13	1.97	1.81	1.71
571-5227222-3	5227222-3	G	with	Gold	1.375 (34.93)	2.13	1.97	1.81	1.71
Body Material: VALOX, Black									
571-5227222-6	5227222-6	G	with	Gold	1.375 (34.93)	3.06	2.75	2.60	2.45
Body Material: Metal									
571-5227671-1	5227671-1	H	with	Tin	1.375 (34.93)	2.98	2.68	2.53	2.38
571-5227673-1	5227673-1	H	with	Gold	1.375 (34.93)	2.13	1.97	1.81	1.71

LOCKWASHER AND JAM NUT

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each			
			1	10	25	100
571-1329632	1-329632-2	Lockwasher	.17	.15	.15	.14
571-1329631	1-329631-2	Jam nut	.19	.18	.17	.16

VERTICAL METALLIZED BNC JACK CONNECTORS

Specifications:

RoHS Compliant

- Dielectric: VALOX
- PC Board Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Body Plating	Center Contact	Price Each			
					1	10	25	100
571-5227699-1	5227699-1	I	Nickel	Silver	3.00	2.70	2.55	2.40
571-5227699-2	5227699-2	I	Nickel	Gold	3.70	3.22	2.85	2.70
571-5221123-2	5221123-2	J	Tin	Gold	4.24	3.82	3.60	3.39

BULKHEAD SOLDER JACKS

Specifications:

RoHS Compliant

- Body plating: Nickel
- Front Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Contact Material	Dielectric	Price Each			
					1	10	25	100
Without Solder Terminal (Includes lockwasher and jam nut.)								
571-5227754-2	5227754-2	K	Gold	VALOX	1.96	1.76	1.67	1.57
With Solder Terminal (Includes solder terminal and jam nut.)								
571-5227755-3	5227755-3	L	Silver	VALOX	1.98	1.78	1.68	1.58
571-5227755-2	5227755-2	L	Gold	VALOX	2.02	1.82	1.72	1.62
571-5227716-3	5227716-3	L	Gold	TEFLON	3.50	3.15	2.98	2.80
571-5227169-7	5227169-7	M	Gold	VALOX	2.26	2.03	1.92	1.81
571-5227169-8	5227169-8	M	Gold	VALOX	3.66	3.29	3.11	2.93

ISOLATED AND SEALED BULKHEAD SOLDER JACKS

Specifications:
- Body plating: Nickel

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Center Contact	Dielectric	Price Each			
						1	10	25	100
Isolated									
571-5227726-1	5227726-1	N	Front mount	Tin	White VALOX	3.16	2.84	2.69	2.53
571-5227726-2	5227726-2	N	Front mount	Silver	White VALOX	3.16	2.84	2.69	2.53
571-5227726-3	5227726-3	N	Front mount	Gold	White VALOX	2.37	2.13	2.02	1.90
Sealed									
*571-5227426-1	5227426-1	O	Rear mount	Gold	Polymethylpente	5.66	5.09	4.81	4.53

* This connector is designed to prevent moisture from entering the interface from the rear of the connector

PRESS FIT VERTICAL METALLIZED JACK

Specifications:
- PC Board Mount

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	10	25	100
571-5222006-1	5222006-1	P	Vertical metalized	3.80	3.42	3.23	3.04

INSULATION BUSHING

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	10	25	100
571-2272231	227223-1	--	For bulkhead solder jacks	.19	.18	.16	.15

TERMINATOR PLUGS

- Body plating: Nickel

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Resistor Specification	Center Contact	Dielectric	Price Each			
						1	10	25	100
Without Tether									
571-5221629-4	5221629-4	Q	1 Watt, 50 Ω	Gold	Polyethylene	4.64	4.18	3.94	3.71

BNC ADAPTERS, 50 OHM

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Center Contact Material and Plating Type	Price Each			
					1	10	25	100
Tee, Jack-Plug-Jack								
571-2215432	221543-2	R	Brass, Nickel, Teflon	BE CU, Gold (30µ")	13.06	11.75	11.10	10.45
Bulkhead, Jack-Jack								
571-5228226-1	5228226-1	S	Nickel, Polyethylene	Gold (50µ")	6.83	6.68	5.86	4.64
571-5228226-3	5228226-3	S	Nickel, Polyethylene	Gold (15µ")	5.60	5.45	4.81	3.80

AMP RF Connectors

Tyco Electronics

Authorized Distributor

RoHS Compliant **This page of product is compliant.**

MINI BNC CONNECTORS - 75 OHM

Features:
- Bayonet locking coupling mechanism
- 40% more interconnects in the same area
- Compatible with Trompeter tooling
- Ideal for telecommunications and broadband applications
- RoHS compliant per Tyco documentation

Specifications:
- Frequency: DC - 2 GHz
- Normal Impedance: 75 ohms
- Voltage Rating: 300V
- Temperature Rating: -40°C - +85°C

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	RG Cable Type	Price Each			
					1	10	25	100
571-1274563-1	1274563-1	A	Straight Cable	735A	10.50	9.45	8.93	8.40
571-1274563-2	1274563-2	A	Straight Cable	734A	10.34	9.31	8.79	8.27
571-1274563-3	1274563-3	A	Straight Cable	RG 179	10.34	9.31	8.79	8.27
571-1274566-1	1274566-1	B	Right Angle Cable Plug	735A	11.68	10.51	9.93	9.34
571-1274566-2	1274566-2	B	Right Angle Cable Plug	734A	11.46	10.31	9.74	9.17
571-1274566-3	1274566-3	B	Right Angle Cable Plug	RG 179	11.46	10.31	9.74	9.17
571-1274568-1	1274568-1	C	Bulkhead Cable Jack	735A	7.54	6.79	6.41	6.03
571-1274568-2	1274568-2	C	Bulkhead Cable Jack	734A	7.34	6.61	6.24	5.87
571-1274568-3	1274568-3	C	Bulkhead Cable Jack	RG 179	7.34	6.61	6.24	5.87
571-1274571-1	1274571-1	D	Straight Jack Receptacle	-	5.36	4.82	4.56	4.29
571-1274572-1	1274572-1	E	Right Angle Jack Receptacle	-	8.36	7.52	7.11	6.69
571-1274584-1	1274584-1	F	Right Angle Bulkhead Jack Receptacle	-	11.06	9.95	9.40	8.85

MMCX CONNECTOR

Features:
- Snap-on interface facilitates assembly
- Designed for space saving applications up to 6 GHz
- Conforms to CECC Specifications
- Ideal for GPS, PCS, automotive and wireless communications
- RoHS compliant per Tyco documentation

Specifications:
- Frequency: DC - 6 GHz
- Normal Impedance: 50 ohms
- Voltage Rating: 170V
- Temperature Rating: -55°C - +155°C

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	RG Cable Type	Price Each			
					1	10	25	100
571-1408313-1	1408313-1	G	Semi-Rigid Straight Cable Plug	RG 405	6.36	5.72	5.41	5.09
571-1408314-1	1408314-1	H	Semi-Rigid Right Angle Cable Plug	RG 406	7.54	6.79	6.41	6.03
571-1408148-1	1408148-1	I	Flexible Straight Cable Plug	RG 178, 196	6.36	5.72	5.41	5.09
571-1408312-1	1408312-1	J	Flexible Straight Cable Plug	RG 174, 188, 316	6.36	5.72	5.41	5.09
571-1408312-2	1408312-2	J	Flexible Straight Cable Plug	RD 316	6.36	5.72	5.41	5.09
571-1408149-1	1408149-1	K	Flexible Right Angle Cable Plug	RG 178, 196	7.54	6.79	6.41	6.03
571-1408149-2	1408149-2	K	Flexible Right Angle Cable Plug	RG174, 188, 316	7.54	6.79	6.41	6.03
571-1408149-3	1408149-3	K	Flexible Right Angle Cable Plug	RD 316	7.54	6.79	6.41	6.03
571-1408150-1	1408150-1	L	PCB Straight Jack Receptacle	-	6.36	5.72	5.41	5.09
571-1408151-1	1408151-1	M	PCB Right Angle Jack Receptacle	-	7.70	6.93	6.55	6.16
571-1408496-1	1408496-1	N	PCB Straight Plug Receptacle	-	7.54	6.79	6.41	6.03
571-6-1460820-1	6-1460820-1	O	SMT Straight Jack Receptacle	-	3.72	3.35	3.16	2.98
571-6-1460820-2	6-1460820-2	O	SMT Right Angle Jack Receptacle	-	3.58	3.22	3.04	2.86
571-1408152-1	1408152-1	P	Edge Mount Straight Jack Receptacle	-	7.70	6.93	6.55	6.16
571-1408120-1	1408120-1	Q	Edge Mount Straight Plug Receptacle	-	9.80	8.82	8.33	7.84

COMPRESSION COAX BOARD-TO-BOARD RF CONNECTOR

Features:
- Single connector design - no mating connectors needed
- Available in four sizes for varied board spacing: 14mm, 10mm, 6.65mm and 4mm
- Large radial and axial misalignment: For positioning both boards and for gap between boards
- Surface Mount Device for standard pick & place compatibility
- Gold plated phosphor bronze and brass contacts, stainless steel springs
- Mating directly on target board
- Easy connection without risk of breaking soldering or connector when mating or unmating
- Low applied material and assembly costs
- RoHS compliant per Tyco documentation

Specifications:
- Frequency: UP to 6 GHz
- Normal Impedance: 50 ohms
- Working Voltage: 125 VAC, 50 Hz
- Temperature Rating: -40°C - +125°C

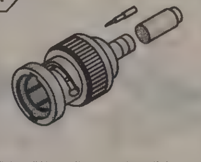
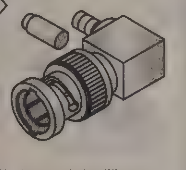
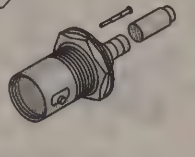
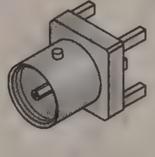
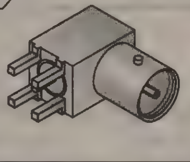
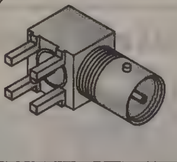
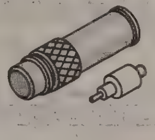
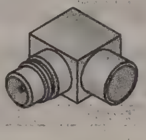
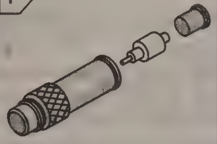
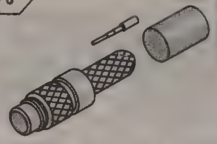
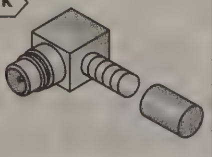
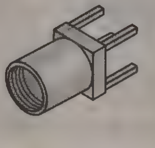
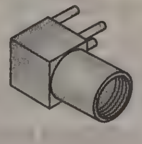
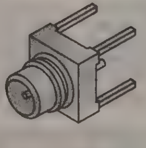
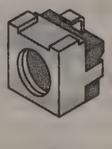
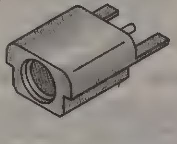
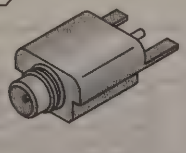
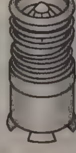
Description
- Board-to-Board RF Connector Series
- Single connector product
- Surface mount technology
- Excellent price-to-performance ratio

Applications:
- Modular parallel board-to-board blind mate applications
- Base Station / Sub Station systems
- PDA / PCS / Cellular Handset applications
- Wireless Communications systems (GSM, PCS, WCDMA, UMTS)

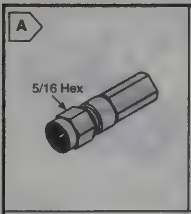
RoHS Compliant

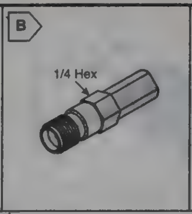
For quantities of 500 and up, call for quote.

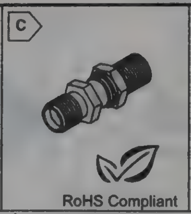
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	10	25	100
571-1658260-1	1658260-1	R	4 ± 0.3mm Board-to-Board	13.76	12.38	11.70	11.01
571-619135-1	619135-1	R	6.65 ± 0.3mm Board-to-Board	15.28	13.75	12.99	12.22
571-619134-1	619134-1	R	10 ± 1.0mm Board-to-Board	15.58	14.02	13.24	12.46
571-619127-1	619127-1	R	14 ± 1.0mm Board-to-Board	15.92	14.33	13.53	12.74

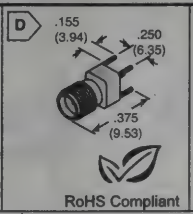
A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R


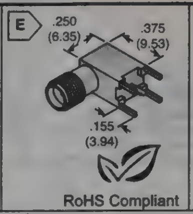
AMP SMA and SMB Connectors

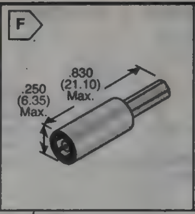
A


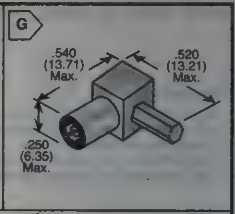
B


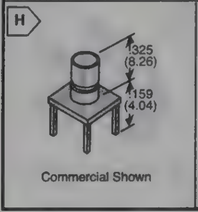
C


D


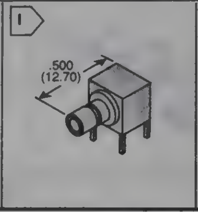
E


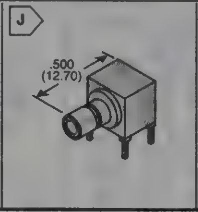
F


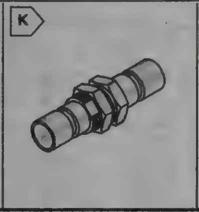
G


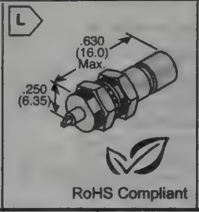
H


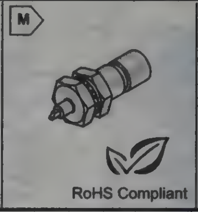
Commercial Shown

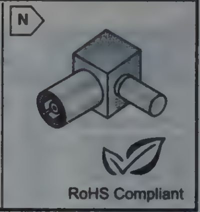
I


J


K


L


M


N


DIMENSIONS: mm (In.)

SMA CONNECTORS

Crimp Connectors

Features:
- Center Contacts
- Body Material: Brass
- Body Finish: Nickel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Cable Type RG/U	Price Each			
					1	10	25	100
571-4476472	447647-2	A	Plug, Hex Crimp	142, 142A, 142B	4.40	3.96	3.74	3.52
571-4476473	447647-3	A	Plug, Hex Crimp	174, 174A, 188, 188A, 316	4.26	3.83	3.62	3.41
571-4476483	447648-3	B	Jack, Hex Crimp	174, 174A, 188, 188A, 316	5.16	4.64	4.39	4.13

Bulkhead Jack & Adapter

Features:
- Body Material: Stainless Steel
- Body Finish: Passivated
- Center Contact Material: Beryllium Copper
- Center Contact Plating: Gold

For quantities of 500 and up, call for quote.

571-2216431	221643-1	C	Bulkhead Jack Adapter (Jack-Jack), front and rear mount	------------------------------	21.40	18.36	16.22	14.51

PC Board Jacks

Features:
- Center Contact Material: Beryllium Copper
- Center Contact Plating: Gold
- Dielectric: Teflon
- Gasket Material: Silicone Rubber

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Material and Finish	Price Each			
					1	10	25	100
571-221789-1	221789-1	D	Vertical	Brass and Gold	6.94	6.25	5.90	5.55
571-221790-1	221790-1	E	Right Angle	Stainless Steel and Gold	14.90	13.41	12.67	11.92

SMB PLUGS - 50 OHM

Specifications:
- Center Contact: Gold
- 50 Ohm
- TEFLON
- Outer Contact: Gold
- Other Metal Parts: Listed Below

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Style	Cable Type RG/U	Price Each			
						1	10	25	100
571-4139856	413985-6	F	Nickel	Mil	178, 178A, 178B, 196, 196A	6.22	5.60	5.29	4.98
571-4139851	413985-1	F	Gold	Mil	174, 316, 188, 188A	7.40	6.66	6.29	5.92
571-4139853	413985-3	F	Nickel	Mil	174, 316, 188, 188A	5.96	5.36	5.07	4.77
571-4140021	414002-1	G	Right Angle, Gold	Mil	174, 316, 188, 188A, 179, 179A, 179B, 161, 187, 187A, Belden 9221	9.12	8.21	7.75	7.30
571-4140023	414002-3	G	Right Angle, Nickel	Mil	174, 316, 188, 188A, 179, 179A, 179B, 161, 187, 187A, Belden 9221	8.90	8.01	7.57	7.12
571-4143633	414363-3	G	Right Angle, Gold	Diecast	174, 316, 188, 188A, 179, 179A, 179B, 161, 187, 187A, Belden 9221	4.58	4.13	3.67	3.21

SMB JACKS - 50 OHM

Specifications:
- Center Contact: Gold
- 50 Ohm
- TEFLON
- Outer Contact: Gold
- Other Metal Parts: Listed Below

For quantities of 500 and up, call for quote.

571-2211111	221111-1	H	PCB, Vertical, Nickel	Comm.	-----	3.52	3.35	3.01	2.85
571-4139901	413990-1	H	PCB, Vertical, Gold	Mil	------	4.74	4.27	4.03	3.79
571-4139902	413990-2	H	PCB, Vertical, Nickel	Mil	------	3.80	3.42	3.23	3.04
571-4139962	413996-2	I	Bulkhead, Right Angle, Low Profile, Gold	Mil	-----	10.04	9.04	8.53	8.03
571-4140262	414026-2	J	Bulkhead, Right Angle, w/standoff pads, Gold	Mil	------	7.42	6.68	6.31	5.94
571-2285531	228553-1	K	Bulkhead Adapter (Jack-Jack) Nickel	Mil	-----	7.76	6.98	6.60	6.21

BULKHEAD PCB JACK, SOLDER RECEPTACLE KITS

Kit includes lockwasher and jam nut.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Body Plating	Dielectric	Style	Price Each			
							1	10	25	100
571-2282161	228216-1	L	Front Mount	Nickel	TEFLON	Mil	7.18	6.46	6.10	5.74
571-2282151	228215-1	M	Rear Mount	Nickel	TEFLON	Mil	6.26	5.63	5.32	5.01

SMB CONNECTORS - 75 OHM

Specifications:
- Dielectric: TEFLON
- Center Contact: Gold

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Style	Cable Type RG/U	Price Each			
						1	10	25	100
571-4140486	414048-6	N	Plug, Right Angle, Nickel	Comm.	179, 179A, 179B, 161, 187,187A, Belden 9221	17.90	16.11	15.22	14.32

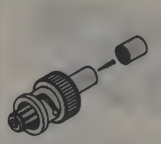
TOOLS

For quantities of 5 and up, call for quote.

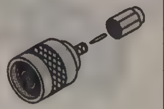
MOUSER STOCK NO.	AMP Part No.	Description	Cable Type RG/U	Price Each
571-585001	58500-1	Crimp Tool, 50 Ohm, Hex/Comm with Die Set	174, 316, 188, 179, 161, 187, RD 316, 188 Double Braid	149.16
571-580461	58046-1	Crimp Tool, 50 Ohm, Hex/Comm with Die Set	178, 196, 174, 316, 179, 161, 187, 188	1492.50
571-3549401	354940-1	Pro Crimper II Hand Tool without Die	-----	75.00
571-584891	58489-1	Die Set, Hex/Commercial	174, 179, 187	81.66
571-584831	58483-1	Die Set, Mil Type Crimp	-----	114.99

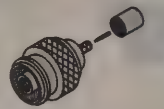
AMP RF Connectors and Tools

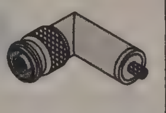
Tyco Electronics
Authorized Distributor

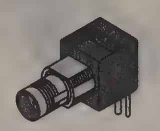
A


B

C


D


E


F


G

H

SHV CONNECTORS

- Center contact : Gold
- Dual crimp
- SHV: Safe High Voltage
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Cable Type RG/U	Price Each		
					1	10	25
571-5051426-4	5051426-4	A	Plug, Nickel, Teflon	58, 58A, 58B, 58C	41.82	37.64	35.55
571-5051426-2	5051426-2	A	Plug, Silver, Teflon	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9291, 9209,9269	44.84	40.36	38.11
571-514942	51494-2	B	Bulkhead Solder Jack, Nickel	- - - - -	17.76	15.98	15.10

TNC PLUGS

- 50 Ohm
- Center contacts: Gold
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Cable Type RG/U	Price Each		
					1	10	25
Hex Crimp							
571-5222506-5	5222506-5	C	Nickel, Polypropylene	174, 188, 188A, 316	4.14	3.73	3.32
571-5222506-1	5222506-1	C	Nickel, Polypropylene	58, 58A, 58B, 58C	3.40	3.23	3.06
Dual Crimp - Weatherproof - Mil Type							
571-5225555-6	5225555-6	D	Nickel, Teflon	142, 142A, 142B, 400	14.82	14.08	13.34
571-5225555-7	5225555-7	D	Nickel, Teflon	8, 8A, 213	34.70	31.23	29.50
571-5225559-2	5225559-2	E	Right Angle, Nickel, Teflon	58, 58A, 58B, 58C	28.76	27.33	25.89
571-5225554-6	5225554-6	E	Right Angle, Silver, Teflon	142, 142A, 142B, 400	33.66	31.98	30.30

TNC JACK

- Right Angle
- 50 Ohm
- Center contact plating: Gold
- Body material: Metal
- PC Board/Panel Mount
- 1/2-28 Thread
- Mounting Height:15.88 (.625)
- For Panel Mount: lockwasher (571-13296322) and jam nut (571-13296312) required, sold separately
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

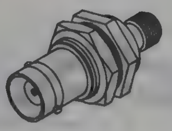
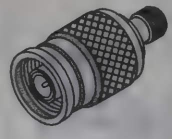
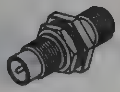
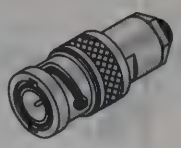
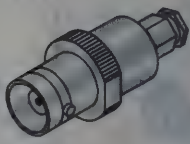
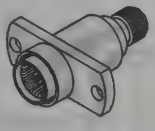
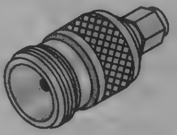
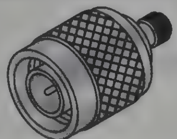
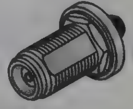
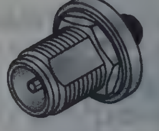
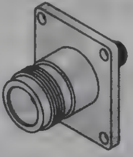
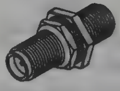
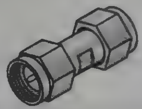
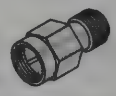
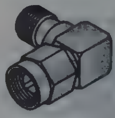
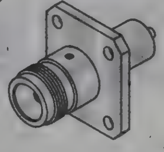
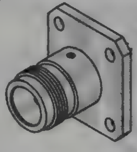
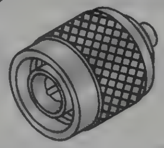
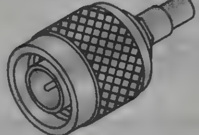
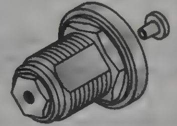
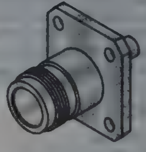
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Cable Type RG/U	Price Each		
					1	10	25
571-5227839-1	5227839-1	F	With mounting posts	- - - - -	7.44	7.07	6.70

TOOLS AND DIES FOR RF CONNECTORS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Termination Type	Cable Type RG/U	Price Each
50 Ohm						
571-584331	58433-1	G	PRO-CRIMPER II w/die	BNC Dual "O" Crimp Comm.	- - -	89.60
571-3549401	354940-1	G	PRO-CRIMPER II (Frame only)	O Crimp Commercial	210, 62, 62A, 62B, 59, 59A, 59B, Belden 9169, 9209, 9291, 89269	75.00
571-584332	58433-2	G	PRO-CRIMPER II w/die	BNC Hex Crimp	- - -	92.25
571-584363	58436-3	- - -	Die for PRO-CRIMPER	BNC Hex Crimp	161, 174, 179, 179A, 179B, 180, 180A, 187, 187A, 188, 188A, 195, 195A, 316, Belden 9221, C1180B	45.00
571-584362	58436-2	- - -	Die for PRO-CRIMPER	BNC Hex Crimp Comm.	Belden 8281, 9141, 9231, Western Electric, 724, 728, 3049	45.00
571-584351	58435-1	- - -	Die for PRO-CRIMPER	BNC "O" Crimp Comm.	- - -	57.92
571-3184502	318450-2	- - -	Die for PRO-CRIMPER	"O" Crimp Comm.	- - -	172.50
571-583301	58330-1	- - -	Die for PRO-CRIMPER	- - -	- - -	717.00
571-3184522	318452-2	- - -	Die for PRO-CRIMPER	BNC "O" Crimp Comm.	- - -	540.00
571-2201893	220189-3	- - -	Die for PRO-CRIMPER	O Crimp Mil Type	55, 55A, 55B, 58, 58A, 58B, 58C, 141, 141A, 142, 142A, 142B, 223, 303, 400, Belden 88240, Berk-Tek BTDC-58, Comm/Scope 2135	139.99
571-2201891	220189-1	- - -	Die for PRO-CRIMPER	O Crimp Comm.	55, 55A, 55B, 58, 58A, 58B, 58C, 141, 141A, 142, 142A, 142B, 223, 303, 400	117.60
571-585371	58537-1	- - -	Die for PRO-CRIMPER	O Crimp Mil Type	59, 59A, 59B, 62, 62A, 62B, 124, 140, 210, 302, Belden 9104, 9112, 9167, 9209, 9240, 9259, 9266, 9291, 9269, 88241, 89269, Hi-Temp 59 & 62A, Times PL59, PL62, PLF59, FM-59, Berk-Tek, BTDC-59, BTDC-62	242.25
571-2201892	220189-2	- - -	Die for PRO-CRIMPER	O Crimp Comm.	124, 140, 210, 62, 62A, 62B, 59, 59A, 59B, Belden 9209, 9269, 9291	139.99
571-220022-1	220022-1	- - -	Certi-Crimp Hand Tool	- - -		3135.00
571-584361	58436-1	- - -	Die Set	- - -	RG58/59 Hex IS9159	42.00
75 Ohm						
571-584252	58425-2	- - -	Die for PRO-CRIMPER	TNC Hex Crimp Comm.	179, 179A, 179B, 187, 187A, Belden 9221	38.25
571-584251	58425-1	- - -	Die for PRO-CRIMPER	TNC Hex Crimp Comm.	210, 62, 62A, 62B, 59, 59A, 59B, 302, Belden 9104, 9112, 9167, 9209, 9240, 9259, 9209, 9240, 9259, 9266, 9269, 9291, 88241, 89269, Hi-Temp 62A, Times PL62, FM-59, Berk-Tek BTDC-59, BTDC-62	38.25
571-585312	58531-2	- - -	PRO-CRIMPER w/ Die	- - -	- - -	105.00
571-580851	58085-1	- - -	Die for PRO-CRIMPER	- - -	- - -	168.00
571-585381	58538-1	- - -	Die for PRO-CRIMPER	TNC "O" Crimp Comm.	Belden 8281, 9141, 9231	140.00
571-581741	58174-1	- - -	Die for PRO-CRIMPER	TNC "O" Crimp Comm.	AT&T 735A	297.00
571-580861	58086-1	- - -	Die for PRO-CRIMPER	- - -	- - -	2310.00
N Type						
571-585011	58501-1	- - -	PRO-CRIMPER w/ Die	- - -	- - -	139.99
571-584851	58485-1	- - -	Die Set for PRO-CRIMPER	Hex Crimp	8, 9, 213, 214, Belden 9880	79.99
571-91902-1	91902-1	- - -	Die Set for 225361-1 & 225361-4	- - -	RG141	358.50
Cable Stripper						
571-603995-1	603995-1	H	Coax Cable Stripper	BNC Single Crimp	- - -	131.14

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U


BETWEEN SERIES ADAPTERS

Between Series Coaxial Transmission Line Adapters provide convenient transitions between popular series coaxial connectors. The adapter design provides a minimum length consistent with good electrical performance. The small size, low VSWR, and broad frequency coverage permits a wide range of applications in both measurement and systems use.

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	M/A-Com Model No.	Price Each		
					1	5	10
571-3284-2240-00	1058117-1	A	BNC Bulkhead Jack - SMA Jack	3284-2240-00	43.00	37.52	31.97
571-3182-2240-00	1057853-1	B	TNC Plug - SMA Jack	3182-2240-00	49.52	44.57	42.09
571-4585-2240-02	1059756-1	C	SMA 18 GHz Jack - OSP Bulkhead Plug	4585-2240-02	51.34	46.21	43.64
571-3282-2240-00	1058081-1	D	SMA Jack - BNC Plug	3282-2240-00	55.44	49.90	47.12
571-3282-2241-00	1058083-1	E	SMA Plug - BNC Jack	3282-2241-00	59.68	53.71	50.73
571-4584-2242-02	1059731-1	F	OSP Floating Flange Mount Jack - SMA Jack	4584-2242-02	61.14	58.09	55.03
571-3082-2241-00	1057381-1	G	SMA Plug - N Series Jack	3082-2241-00	67.00	60.30	56.95
571-3082-2240-00	1057377-1	H	SMA Jack - N Series Plug	3082-2240-00	97.36	87.62	82.76
571-3184-2240-00	1057908-1	I	SMA Jack - TNC Bulkhead Jack	3184-2240-00	97.32	87.59	82.72
571-3084-2240-00	1057463-1	J	SMA 15 GHz - N Series Bulkhead Jack	3084-2240-00	97.32	87.59	82.72
571-3684-2240-00	1058675-1	J	SMA 18 GHz Jack - N Series Bulkhead	3684-2240-00	100.82	90.74	85.70
571-3080-2242-00	1057343-1	K	SMA Jack - N Series Flange Mount	3080-2242-00	133.32	119.99	113.32

SMA IN-SERIES ADAPTERS

Designed for performance to 18 GHz to satisfy the growing demand for SMA connectors in the wireless communications industry. The SMA product line offers stainless steel bodies, as well as non-ferrous metals. The SMA series meets the performance, quality and application requirements of the commercial marketplace.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	M/A-Com Model No.	Price Each			
					1	5	10	25
571-2084-0000-02	1054869-1	L	SMA Jack to Jack Bulkhead Feed Through	2084-0000-02	20.10	19.14	17.23	16.27
571-2081-0000-02	1053635-1	M	SMA Plug to Plug	2081-0000-02	19.68	17.71	16.73	15.74
571-2082-5133-02	1054426-1	N	SMA Plug to Jack Connector Saver	2082-5133-02	23.67	22.54	20.29	19.16
571-2088-1230-02	1055070-1	O	SMA Right Angle Plug to Jack	2088-1230-02	23.52	21.17	19.99	18.82

N SERIES CONNECTORS

A medium size connector series for Cellular and PCS Base Stations, telephone, broadcast and high power applications. Its high performance thru 11 GHz and threaded coupling makes it highly suited for critical applications and environments.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	M/A-Com Model No.	Price Each			
					1	5	10	25
571-3052-1201-10	1057290-1	P	Panel Jack, Solder, Brass	3052-1201-10	15.40	14.07	13.46	12.29
571-3052-0000-10	1057284-1	Q	Panel Jack, Solder, Stainless Steel	3052-0000-10	16.26	14.63	13.82	13.01
571-3001-7941-00	1057088-1	R	Straight Plug RG/402, Solder	3001-7941-00	22.02	19.81	18.73	17.63
571-3031-7341-10	1057243-1	S	Straight Plug, Compression	3031-7341-10	27.12	24.41	23.05	21.70
571-3004-7388-10	1057140-1	T	Straight Bulkhead Jack RG/174	3004-7388-10	35.74	32.17	30.38	28.59
571-3006-7941-00	1057176-1	U	Straight Bulkhead Jack	3006-7941-00	45.76	41.18	38.90	36.61

AMPHENOL RF Connectors and Adapters

Amphenol®

RoHS Compliant **This page of product is compliant.**

AMPHENOL NON-MAGNETIC COAXIAL CONNECTORS

- Contact and body plating: Gold over white bronze
- Designed to carry 50Ω signals within the magnetic imaging field of MRI equipment where a high signal-to-noise ratio (SNR) is required.
- Product is manufactured under strict quality procedures throughout the entire production process to ensure that each connector will not produce image artifacts during MRI scans.
- All product is 100% tested for magnetism prior to shipping.

RoHS Compliant

Type MMCX

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable Type	Price Each			
					1	10	25	100
523-908-NM43200	908-NM43200	A	Right Angle Plug	RG-178	11.09	9.60	8.23	7.86
523-908-NM43300	908-NM43300	A	Right Angle Plug	RG-316	11.17	9.67	8.29	7.92
523-908-NM41200	908-NM41200	B	Straight Plug	RG-178	9.77	8.46	7.25	6.93
523-908-NM41300	908-NM41300	B	Straight Plug	RG-316	8.53	7.32	6.99	6.76
523-908-NM22106	908-NM22106	C	Straight PCB Jack	- - -	5.65	4.89	4.19	4.01
523-908-NM24100	908-NM24100	D	Right Angle PCB Jack	- - -	9.27	8.02	6.88	6.57

Type MCX

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable Type	Price Each			
					1	10	25	100
523-919-NM122P-51A	919-NM122P-51A	E	Right Angle Plug	RG-178	8.84	7.65	6.56	6.27
523-919-NM104P-51A	919-NM104P-51A	E	Right Angle Plug	RG-316	7.73	6.63	6.33	6.12
523-919-NM101P-51S	919-NM101P-51S	F	Straight Plug	RG-316	9.54	8.26	7.08	6.77
523-919-NM109J-51P	919-NM109J-51P	G	Straight PCB Jack	- - -	5.38	4.66	3.99	3.81
523-919-NM119J-51A	919-NM119J-51A	H	Right Angle PCB Jack	- - -	9.04	7.82	6.71	6.41

Type SMB

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable Type	Price Each			
					1	10	25	100
523-903-NM291P-51A	903-NM291P-51A	I	Right Angle Plug	RG-178	8.43	7.73	6.63	6.33
523-903-NM289P-51A	903-NM289P-51A	I	Right Angle Plug	RG-316	8.75	7.83	6.72	6.42
523-903-NM285P-51S	903-NM285P-51S	J	Straight Plug	RG-316	9.00	8.09	6.94	6.63
523-903-NM415J-51P	903-NM415J-51P	K	Straight PCB Jack	- - -	5.50	4.76	4.08	3.90

AMPHENOL BETWEEN SERIES ADAPTERS

Amphenol Between Series Adapters are used to join two connectors of different series. They are designed to offer the lowest VSWR rating of the two series involved. For Reverse Polarized connectors, RP is added to the end of the part number.

RoHS Compliant

Reverse Polarity Type SMA

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-132168RP	132168RP	L	SMA Plug to SMA Plug	9.91	8.47	7.77	7.17
523-132170RP	132170RP	M	SMA Jack to SMA Bulkhead Jack	9.83	8.40	7.70	7.11
523-132171RP	132171RP	N	SMA Jack to SMA Plug	4.99	4.48	4.20	3.75
523-132171RP-10	132171RP-10	N	SMA Jack to SMA Plug	4.96	4.37	4.10	3.72
523-132171RP-RP	132171RP-RP	O	SMA Jack to SMA Rev. Pol. Plug	5.01	4.55	4.31	3.88
523-132172RP	132172RP	P	SMA RA Plug to SMA Jack	8.02	6.85	6.28	5.80
523-242105RP	242105RP	Q	SMA Jack to TNC Plug	14.89	13.46	12.24	11.22
523-242107RP	242107RP	R	SMA Jack to TNC Jack	14.92	13.56	12.41	11.33
523-242112RP	242112RP	S	SMA Plug to N Jack	9.91	8.47	7.77	7.17

Reverse Polarity Type N

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-172212RP	172212RP	T	N Plug to N Jack	8.13	6.95	6.37	5.88
523-172213RP	172213RP	T	N Jack to N Plug	8.00	6.84	6.27	5.78
523-242130RP	242130RP	U	N Plug to TNC Jack	14.89	12.73	11.67	10.77
523-242131RP	242131RP	V	N Jack to TNC Plug	14.89	12.73	11.67	10.77
523-242132RP	242132RP	W	N Jack to TNC Jack	14.89	12.73	11.67	10.77
523-242133RP	242133RP	X	N Plug to TNC Plug	14.89	12.73	11.67	10.77

Reverse Polarity Type TNC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-242192RP	242192RP	Y	TNC Bulkhead Jack to AMC/U.FL Jack	18.62	15.91	14.58	13.46

Type TNC

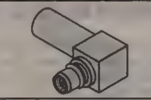
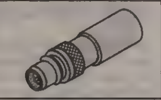
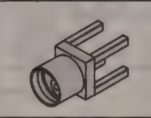
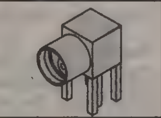
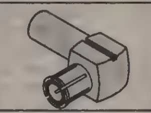
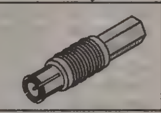
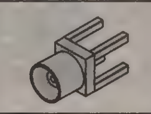
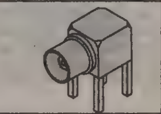
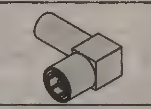
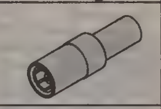
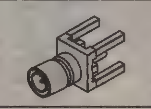
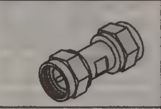
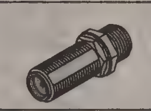
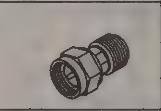
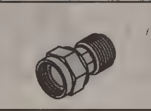
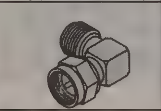
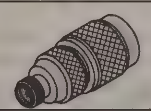
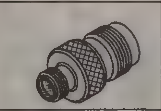
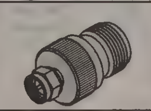
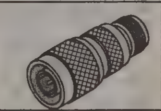
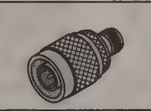
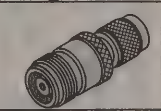
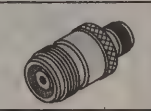
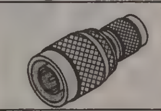
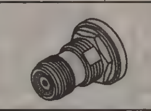
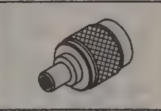
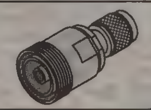
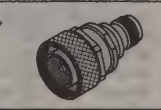
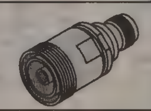
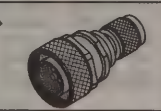
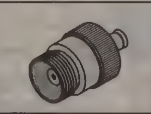
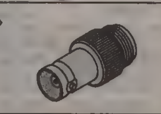
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-242192	242192	Y	TNC Bulkhead Jack to AMC/U.FL Jack	14.89	12.73	11.67	10.77
523-242208	242208	Z	TNC Plug to MCX Jack	18.62	15.91	14.58	13.46

Type N

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-242135	242135	AA	N Plug to 7/16 Jack	62.02	53.00	48.58	44.85
523-242136	242136	BB	N Jack to 7/16 Plug	62.02	53.00	48.58	44.85
523-242137	242137	CC	N Jack to 7/16 Jack	62.02	53.00	48.58	44.85
523-242138	242138	DD	N Plug to 7/16 Plug	62.02	53.00	48.58	44.85
523-242217	242217	EE	N Jack to 1.0/2.3 Plug	17.36	14.81	13.60	12.55
523-242218	242218	FF	N Jack to 1.0/2.3 Jack	15.51	13.25	12.15	11.22

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC

DD

EE

FF


RoHS Compliant This page of product is compliant.

AMPHENOL BETWEEN SERIES ADAPTERS (CONT.)

Amphenol Between Series Adapters are used to join two connectors of different series. They are designed to offer the lowest VSWR rating of the two series involved. They are widely used with laboratory test applications and in systems equipment applications where different connectors must be mated. For Reverse Polarized connectors, RP is added to the end of the part number.

RoHS Compliant

- RoHS compliant per Amphenol documentation

Type N

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-242183	242183	A	N Jack to SMB Bulkhead Jack	18.62	15.91	14.58	13.46
523-242198	242198	B	N Jack to SMB Jack	18.62	15.91	14.58	13.46
523-242170	242170	C	N Plug to MCX Jack	24.81	21.20	19.43	17.94
523-242172	242172	D	N Jack to MCX Jack	18.62	15.91	14.58	13.46
523-242173	242173	E	N Plug to MCX Plug	24.81	21.20	19.43	17.94
523-242166	242166	F	N Plug to MMCX Jack	22.00	20.10	18.50	17.14
523-242167	242167	G	N Jack to MMCX Plug	24.81	21.20	19.43	17.94
523-242168	242168	H	N Jack to MMCX Jack	22.00	20.10	18.51	17.14
523-242162	242162	I	N Jack to BNC Bulkhead Jack	31.02	26.51	24.30	22.43
523-242215	242216	J	N Bulk Head Jack to AMC/U.FL Jack	14.89	12.73	11.67	10.77

Type BNC

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-242184	242184	K	BNC Plug to SMB Jack	14.89	12.73	11.67	10.77
523-242185	242185	L	BNC Jack to SMB Plug	8.97	8.15	7.47	6.89
523-242186	242186	M	BNC Jack to SMB Jack	13.47	12.73	11.67	10.77
523-242187	242187	N	BNC Plug to SMB Plug	14.50	12.30	11.30	10.50
523-242148	242148	O	BNC Plug to TNC Jack	14.89	12.73	11.67	10.77
523-242149	242149	P	BNC Jack to TNC Plug	5.74	5.09	4.80	4.60
523-242150	242150	Q	BNC Jack to TNC Jack	14.89	12.73	11.67	10.77
523-242151	242151	R	BNC Plug to TNC Plug	14.89	12.73	11.67	10.77
523-242121	242121	S	BNC Jack to N Plug	14.89	12.73	11.67	10.77
523-242101	242101	T	BNC Plug to N Jack	14.89	12.73	11.67	10.77
523-242100	242100	U	BNC Jack to N Jack	14.89	12.73	11.67	10.77
523-242122	242122	V	BNC Plug to N Plug	14.89	12.73	11.67	10.77
523-242134	242134	W	BNC Plug to UHF Jack	14.89	12.73	11.67	10.77
523-242154	242154	X	BNC Plug to F Jack	14.89	12.73	11.67	10.77
523-242159	242159	Y	BNC Jack to F Plug	14.89	12.73	11.67	10.77
523-242160	242160	Z	BNC Plug to F Plug	9.91	8.47	7.77	7.17
523-242161	242161	AA	BNC Jack to F Jack	14.89	12.73	11.67	10.77

Type SMA

RoHS Compliant

For quantities of 50 and up, call for quote.

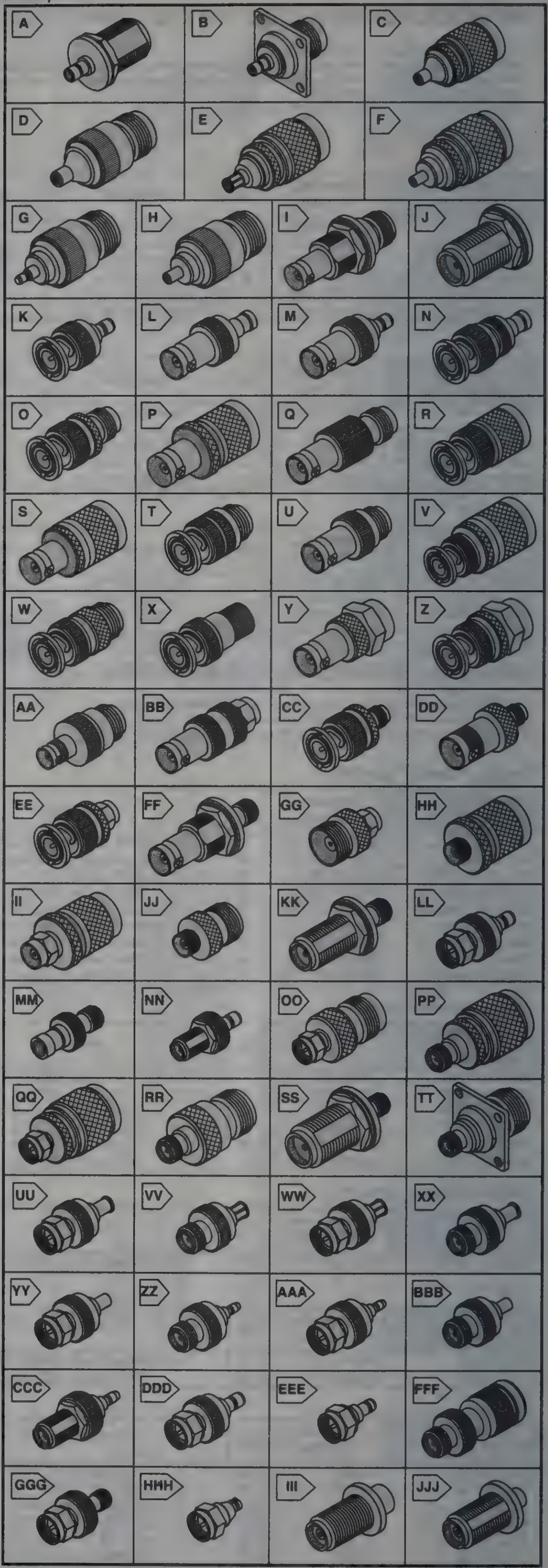
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-242102	242102	BB	SMA Plug to BNC Jack	5.11	4.36	4.00	3.69
523-242103	242103	CC	SMA Jack to BNC Plug	9.91	8.47	7.77	7.17
523-242123	242123	DD	SMA Jack to BNC Jack	8.94	7.64	7.00	6.46
523-242104	242104	EE	SMA Plug to BNC Plug	14.89	12.73	11.67	10.77
523-242181	242181	FF	SMA Jack to BNC Bulkhead Jack	14.89	13.46	12.24	11.22
523-242124	242124	GG	SMA Plug to TNC Jack	9.91	8.47	7.77	7.17
523-242105	242105	HH	SMA Jack to TNC Plug	7.43	6.36	5.83	5.38
523-242106	242106	II	SMA Plug to TNC Plug	14.89	12.73	11.67	10.77
523-242107	242107	JJ	SMA Jack to TNC Jack	14.89	12.73	11.67	10.77
523-242178	242178	KK	SMA Jack to TNC Bulkhead Jack	14.88	14.00	12.31	11.33
523-242144	242144	LL	SMA Plug to SMB Jack	14.25	11.89	10.98	10.21
523-242145	242145	KK	SMA Jack to SMB Plug	13.75	12.73	11.67	10.77
523-242146	242146	LL	SMA Plug to SMB Plug	14.89	12.73	11.67	10.77
523-242147	242147	MM	SMA Jack to SMB Jack	14.27	11.88	10.90	9.60
523-242182	242182	NN	SMA Jack to SMB Bulkhead Jack	14.89	12.73	11.67	10.77
523-242112	242112	OO	SMA Plug to N Jack	9.45	8.79	8.03	7.76
523-242113	242113	PP	SMA Jack to N Plug	7.47	6.77	6.43	6.18
523-242114	242114	QQ	SMA Plug to N Plug	9.91	8.47	7.77	7.17
523-242115	242115	RR	SMA Jack to N Jack	9.30	8.40	7.70	7.20
523-242125	242125	SS	SMA Jack to N Bulkhead Jack	8.60	7.71	7.25	6.65
523-242163	242163	TT	SMA Jack to N Panel Jack	9.91	8.47	7.77	7.17
523-242126	242126	UU	SMA Plug to MCX Jack	14.27	12.73	11.67	10.77
523-242127	242127	VV	SMA Jack to MCX Plug	11.88	10.60	9.72	8.97
523-242128	242128	WW	SMA Plug to MCX Plug	18.62	15.91	14.58	13.46
523-242129	242129	XX	SMA Jack to MCX Jack	14.89	12.73	11.67	10.77
523-242140	242140	YY	SMA Plug to MMCX Jack	14.25	12.73	11.67	10.77
523-242141	242141	ZZ	SMA Jack to MMCX Plug	14.28	12.73	11.67	10.77
523-242142	242142	AAA	SMA Plug to MMCX Plug	14.89	12.73	11.67	10.77
523-242143	242143	BBB	SMA Jack to MMCX Jack	14.25	11.89	10.98	10.21
523-242193	242193	CCC	SMA Jack to MMCX Bulkhead Plug	18.62	15.91	14.58	13.46
523-242200	242200	DDD	SMA Jack to SSMB Jack	18.62	15.91	14.58	13.46
523-242207	242207	EEE	SMA Plug to 1.0/2.3 Jack	24.81	21.20	19.43	17.94
523-242179	242179	FFF	SMA Jack to 1.0/2.3 Plug	24.81	21.20	19.43	17.94
523-242189	242189	GGG	SMA Plug to SSMA Jack	18.62	15.91	14.58	13.46
523-242212	242212	HHH	SMA Plug to AMC/U.FL Jack	14.89	12.73	11.67	10.77

Type F

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
523-242223	242223	III	F Jack to SMB Plug	14.89	12.73	11.67	10.77
523-242224	242224	JJJ	F Jack to SMB Jack	14.89	12.73	11.67	10.77



AMPHENOL RF Connectors

Amphenol®

RoHS Compliant **This page of product is compliant.**

REVERSE POLARITY SMA CONNECTORS

Reverse Polarity connectors employ female contacts in the plug connector and male contacts in the jack connector. SMA-RP will not mate with standard SMA Connectors.

- Impedance: 50Ω
- Frequency Range: 0-6 GHz
- Body Material: Brass
- Finish: Gold

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-132114RP	132114RP	A	Straight Crimp Plug	LMR100 / RG316,174	47-10070	4.57	3.91	3.58	3.31
523-132113RP	132113RP	A	Straight Crimp Plug	LMR195 / RG58	47-10150	4.09	3.66	3.31	3.02
523-132195RP	132195RP	A	Straight Crimp Plug	RG223, 142	47-10070	3.89	3.33	3.05	2.82
523-132231RP	132231RP	A	Straight Crimp Plug	LMR 240 / RG8X	47-10070	6.74	5.76	5.28	4.88
523-132122RP	132122RP	B	Right Angle Crimp Plug	LMR 195 / RG58	47-10070	5.81	4.96	4.55	4.20
523-132123RP	132123RP	B	Right Angle Crimp Plug	LMR100 / RG316,174	47-10150	5.81	4.96	4.55	4.20
523-132116RP	132116RP	C	Straight Crimp Jack	LMR 195 / RG58	47-10070	3.72	3.18	2.92	2.69
523-132117RP	132117RP	C	Straight Crimp Jack	LMR100 / RG316,174	47-10150	3.72	3.18	2.92	2.69
523-132118RP	132118RP	D	Bulkhead Crimp Jack	LMR 195 / RG58	47-10070	4.49	3.84	3.52	3.25
523-132119RP	132119RP	D	Bulkhead Crimp Jack	LMR100 / RG316,174	47-10150	4.26	3.64	3.33	3.08
523-132220RP	132220RP	D	Bulkhead Crimp Jack	RG178, 196	47-10150	5.47	4.67	4.28	3.95
523-132136RP	132136RP	E	Right Angle Jack for PC Board	- - -	- - -	6.00	5.38	4.87	4.44
523-132203RP	132203RP	F	Right Angle Bulkhead PCB Jack	- - -	- - -	7.62	6.51	5.97	5.51
523-132255RP	132255RP	G	Edge Mount PCB Jack, .062 Bds	- - -	- - -	5.32	4.80	4.36	4.00

REVERSE POLARITY BNC CONNECTORS

Reverse Polarity connectors employ female contacts in the plug connector and male contacts in the jack connector. BNC-RP will not mate with standard BNC Connectors.

- Impedance: 50Ω
- Frequency range: 0-4 GHz
- Body Material: Brass
- Body Plating: Nickel
- Contact Plating: Gold

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-112132RP	112132RP	H	Straight Crimp Plug	LMR 100 / RG 316	47-10150	3.85	3.55	3.25	3.00
523-112116RP	112116RP	H	Straight Crimp Plug	LMR 195 / RG 58, 141	47-10070	3.23	2.76	2.53	2.34
523-112514RP	112514RP	H	Straight Crimp Plug	RG 223, 142, 400	47-10070	3.21	2.74	2.52	2.32
523-112533RP	112533RP	H	Straight Crimp Plug	LMR 240 / RG8X	47-10070	3.23	2.76	2.53	2.34
523-112563RP	112563RP	H	Straight Crimp Plug	LMR 400 / B9913	47-10210	6.64	5.67	5.20	4.80
523-112160RP	112160RP	I	Straight Crimp Jack	LMR 100 / RG 316	47-10150	3.34	2.85	2.62	2.41
523-112144RP	112144RP	I	Straight Crimp Jack	LMR 195 / RG 58, 141	47-10070	3.75	3.25	3.10	2.06
523-112234RP	112234RP	J	Bulkhead Crimp Jack	LMR 100 / RG 316	47-10150	4.28	3.65	3.35	3.09
523-112202RP	112202RP	J	Bulkhead Crimp Jack	LMR 195 / RG 58, 141	47-10070	3.77	3.22	2.95	2.72
523-112505RP	112505RP	J	Bulkhead Crimp Jack	RG 223, 142, 400	47-10070	3.34	2.85	2.62	2.41

REVERSE POLARITY TNC CONNECTORS

Reverse Polarity connectors employ female contacts in the plug connector and male contacts in the jack connector. TNC-RP will not mate with standard TNC Connectors.

- Impedance: 50Ω
- Frequency range: 0-4 GHz
- Body Material: Brass
- Body Plating: Nickel
- Contact Plating: Gold

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-122116RP	122116RP	K	Straight Crimp Plug	LMR 100 / RG 316	47-10150	2.57	2.20	2.02	1.86
523-122108RP	122108RP	K	Straight Crimp Plug	LMR 195 / RG 58	47-10070	2.21	1.96	1.76	1.60
523-122372RP	122372RP	K	Straight Crimp Plug	RG 223, 142, 400	47-10070	4.02	3.44	3.15	2.91
523-122394RP	122394RP	K	Straight Crimp Plug	RG 8 / 213	47-10090	5.48	4.69	4.31	3.96
523-122408RP	122408RP	K	Straight Crimp Plug	LMR 240 / RG8X	47-10070	3.65	3.27	3.02	2.80
523-122393RP	122393RP	K	Straight Crimp Plug	LMR 400 / B9913	47-10210	7.06	6.04	5.53	5.11
523-122138RP	122138RP	L	Straight Crimp Jack	LMR 100 / RG 316	47-10150	2.89	2.64	2.51	2.15
523-122122RP	122122RP	L	Straight Crimp Jack	LMR 195 / RG 58	47-10070	2.72	2.44	2.21	2.02
523-122409RP	122409RP	L	Straight Crimp Jack	LMR 240 / RG8X	47-10070	3.11	2.65	2.43	2.25
523-122392RP	122392RP	L	Straight Crimp Jack	LMR 400 / B9913	47-10210	5.32	4.55	4.17	3.85
523-122192RP	122192RP	M	Bulkhead Crimp Jack	LMR 100 / RG 316	47-10150	6.96	6.25	5.60	4.73
523-122160RP	122160RP	M	Bulkhead Crimp Jack	LMR 195 / RG 58, 141	47-10070	4.06	3.47	3.18	2.94

REVERSE POLARITY N CONNECTORS

Reverse Polarity connectors employ female contacts in the plug connector and male contacts in the jack connector. N-RP will not mate with standard N Connectors.

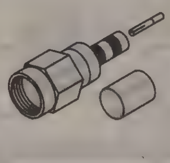
- Impedance: 50Ω
- Frequency range: 0-4 GHz
- Body Material: Brass
- Body Plating: Nexcote
- Contact Plating: Gold

RoHS Compliant

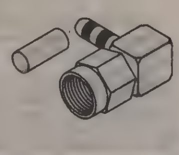
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-172100RP	172100RP	N	Straight Crimp Plug	LMR 195 / RG 58	47-10180	6.15	5.25	4.82	4.45
523-172142RP	172142RP	N	Straight Crimp Plug	RG 223, 141	47-10180	4.87	4.16	3.81	3.52
523-172214RP	172214RP	N	Straight Crimp Plug	LMR 200	47-10180	4.87	4.16	3.81	3.52
523-172135RP	172135RP	N	Straight Crimp Plug	LMR 240 / RG8X	47-10180	6.11	5.22	4.78	4.42
523-172102H243RP	172102H243RP	N	Straight Crimp Plug	LMR 400 / B9913	47-10210	6.60	5.64	5.17	4.77
523-172103RP	172103RP	O	Straight Crimp Jack	LMR 195 / RG 58	47-10180	4.94	4.22	3.87	3.57

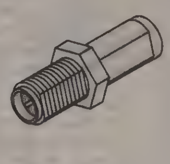
A



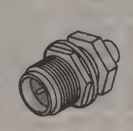
B



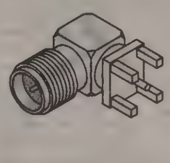
C



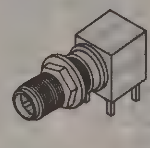
D



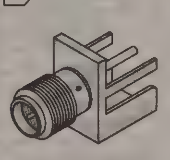
E



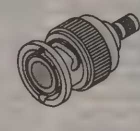
F



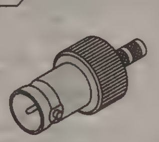
G



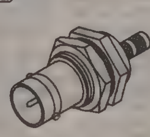
H



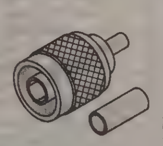
I



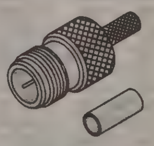
J



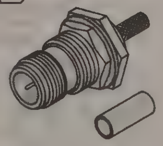
K



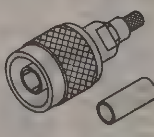
L



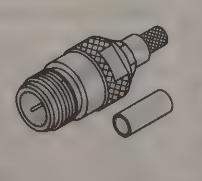
M



N



O



SMA SERIES CONNECTORS, ADAPTERS, AND ACCESSORIES

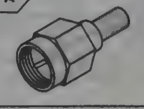
These SMA connectors offer a compact size and mechanically give outstanding durability.

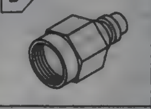
RoHS Compliant

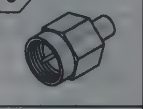
- Impedance: 50Ω
- Body Material: Brass
- Insulation: Teflon
- Finish & Center Contact: Gold
- Frequency Range: 0-18GHz (semi-rigid); 0-12.4GHz (flexible cable)

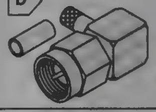
For quantities of 100 and up, call for quote.

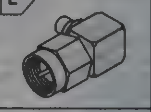
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each		
						1	10	25
SMA Connectors for LMR and SEMI-RIGID Cables								
523-132114	132114	A	Straight Crimp Plug	LMR100/RG316/U	47-10150	**2.91**	**2.49**	**2.28**
523-132113	132113	A	Straight Crimp Plug	LMR195/RG58/U	47-10070	**3.26**	**2.91**	**2.63**
523-132234	132234	A	Straight Crimp Plug	LMR200	47-10070	**3.51**	**3.00**	**2.75**
523-132231	132231	A	Straight Crimp Plug	LMR 240/8X	47-10070	**5.38**	**4.60**	**4.22**
523-132298	132298	A	Straight Crimp Plug	LMR 400/B9913	47-10210	**6.38**	**5.45**	**5.00**
523-132368	132368	A	Straight Crimp Plug	RG 8/213/393	47-10090	**9.91**	**8.47**	**7.77**
523-132193	132193	A	Straight Crimp Plug	RG 178/196	47-10150	**5.02**	**4.29**	**3.93**
523-132195	132195	A	Straight Crimp Plug	RG 223/142	47-10070	**3.17**	**2.91**	**2.67**
523-132100	132100	B	Straight Solder Plug (no contact)	.141 Semi-Rigid	- - -	**1.50**	**1.30**	**1.20**
523-132179	132179	B	Str Slder Plug w/Torq. Nut (no contact)	.141 Semi-Rigid	- - -	**3.60**	**3.07**	**2.82**
523-132102	132102	C	Straight Solder Plug (with contact)	.141 Semi-Rigid	- - -	**2.76**	**2.48**	**2.24**
523-132101	132101	C	Straight Solder Plug	.085 Semi-Rigid	- - -	**2.53**	**2.16**	**1.98**
523-132188	132188	C	Straight Solder Plug w/Torque Nut	.085 Semi-Rigid	- - -	**4.00**	**3.42**	**3.13**
523-132249	132249	C	Straight Solder Plug	.047 Semi-Rigid	- - -	**3.63**	**3.11**	**2.85**
523-132296	132296	C	Straight Solder Plug	.250 Semi-Rigid	- - -	**4.70**	**4.02**	**3.68**
523-132123	132123	D	Right Angle Crimp Plug	LMR 100/RG316/U	47-10150	**5.79**	**5.18**	**4.66**
523-132122	132122	D	Right Angle Crimp Plug	LMR 195/RG58/U	47-10070	**6.15**	**5.25**	**4.82**
523-132235	132235	D	Right Angle Crimp Plug	LMR 200	47-10070	**5.74**	**4.91**	**4.50**
523-132239	132239	D	Right Angle Crimp Plug	LMR 240/8X	47-10070	**7.77**	**6.64**	**6.08**
523-132299	132299	D	Right Angle Crimp Plug	LMR 400/B9913	47-10210	**7.07**	**6.46**	**5.95**
523-132173	132173	D	Right Angle Crimp Plug	RG 178/196	47-10150	**5.70**	**4.87**	**4.47**
523-132112	132112	E	Right Angle Solder Plug	.141 Semi-Rigid	- - -	**5.15**	**4.40**	**4.03**
523-132111	132111	E	Right Angle Solder Plug	.085 Semi-Rigid	- - -	**5.15**	**4.62**	**4.17**
523-132344	132344	E	Right Angle Solder Plug	.250 Semi-Rigid	- - -	**5.32**	**4.55**	**4.17**
523-132117	132117	F	Straight Crimp Jack	LMR 100/RG316/U	47-10150	**4.36**	**3.73**	**3.42**
523-132116	132116	F	Straight Crimp Jack	LMR 195/RG58/U	47-10070	**4.57**	**3.91**	**3.58**
523-132236	132236	F	Straight Crimp Jack	LMR 200	47-10070	**4.57**	**3.91**	**3.58**
523-132240	132240	F	Straight Crimp Jack	LMR 240	47-10070	**4.43**	**3.78**	**3.47**
523-132104	132104	G	Straight Solder Jack	.141 Semi-Rigid	- - -	**2.95**	**2.53**	**2.39**
523-132103	132103	G	Straight Solder Jack	.085 Semi-Rigid	- - -	**2.91**	**2.49**	**2.28**
523-132119	132119	H	Bulkhead Crimp Jack	LMR100/RG316/U	47-10150	**5.36**	**4.58**	**4.20**
523-132118	132118	H	Bulkhead Crimp Jack	LMR195/RG58/U	47-10070	**4.60**	**3.93**	**3.60**
523-132237	132237	H	Bulkhead Crimp Jack	LMR200	47-10070	**5.57**	**4.76**	**4.37**
523-132241	132241	H	Bulkhead Crimp Jack	LMR240/8X	47-10070	**4.79**	**4.09**	**3.75**
523-132333	132333	H	Bulkhead Crimp Jack	LMR 400	47-10210	**8.72**	**7.45**	**6.83**
523-132106	132106	I	Bulkhead Solder Jack	.141 Semi-Rigid	- - -	**5.49**	**4.69**	**4.30**
523-132105	132105	I	Bulkhead Solder Jack	.085 Semi-Rigid	- - -	**4.96**	**4.51**	**4.13**
523-132346	132346	I	Bulkhead Solder Jack	.250 Semi-Rigid	- - -	**7.45**	**6.36**	**5.83**
523-132246	132246	J	Right Angle Bulkhead Crimp Jack	LMR 195 / RG 58/U	47-10070	**7.17**	**6.13**	**5.62**
523-132260	132260	J	Right Angle Bulkhead Crimp Jack	RG 223 / 142/U	47-10070	**7.17**	**6.13**	**5.62**
523-132245	132245	J	Right Angle Bulkhead Crimp Jack	LMR 100 / RG 316/U	47-10150	**7.02**	**6.00**	**5.50**
523-132120	132120	K	Panel Mount Crimp Jack, 4-hole	LMR195 / RG58	47-10070	**7.00**	**5.98**	**5.48**
523-132121	132121	K	Panel Mount Crimp Jack, 4-hole	LMR100 / RG316	47-10150	**7.00**	**5.98**	**5.48**
523-132107	132107	L	Panel Mount Solder Jack, 4-hole	.085 Semi-Rigid	- - -	**6.72**	**5.75**	**5.27**
523-132108	132108	L	Panel Mount Solder Jack, 4-hole	.141 Semi-Rigid	- - -	**5.38**	**4.60**	**4.22**
523-132109	132109	M	Panel Mount Solder Jack, 2-hole	.085 Semi-Rigid	- - -	**5.36**	**4.87**	**4.44**
523-132110	132110	M	Panel Mount Solder Jack, 2-hole	.141 Semi-Rigid	- - -	**6.30**	**5.38**	**4.93**
SMA Panel and PCB Connectors								
523-132144	132144	N	Panel Mnt Plug, 4-hole, Extend Teflon	- - -	- - -	**8.23**	**7.04**	**6.45**
523-132145	132145	O	Panel Mnt Plug, 2-hole, Extend Teflon	- - -	- - -	**6.34**	**5.42**	**4.97**
523-132146	132146	P	Panel Mnt Recpt, 4-hole, Extend Teflon	- - -	- - -	**5.68**	**4.85**	**4.45**
523-132147	132147	Q	Panel Mnt Recpt, 2-hole, Extend Teflon	- - -	- - -	**6.15**	**5.25**	**4.82**
523-132142	132142	R	Panel Mount Receptacle, 4-hole	- - -	- - -	**5.91**	**5.05**	**4.63**
523-132143	132143	S	Panel Mount Receptacle, 2-hole	- - -	- - -	**5.83**	**4.98**	**4.57**
523-132133	132133	T	Straight PCB Plug	- - -	- - -	**6.64**	**5.67**	**5.20**
523-132135	132135	U	Right Angle PCB Plug	- - -	- - -	**7.26**	**6.20**	**5.68**
523-132134	132134	V	Straight PCB Receptacle	- - -	- - -	**3.81**	**3.25**	**2.98**
523-132136	132136	W	Right Angle PCB Receptacle	- - -	- - -	**6.45**	**5.51**	**5.05**
523-132203	132203	X	Rt Angle Bulkhead PCB Receptacle	- - -	- - -	**9.02**	**8.11**	**7.32**
523-132255	132255	Y	Straight End Launch Receptacle	- - -	- - -	**5.73**	**5.20**	**4.75**
523-132289	132289	Z	Strght End Launch Bulkhead Recpt	- - -	- - -	**5.00**	**4.70**	**4.25**
523-132372	132372	AA	Strght End Launch SMT Receptacle	- - -	- - -	**7.40**	**6.33**	**5.80**
523-132137	132137	BB	Bulkhead Receptacle, Front mount	- - -	- - -	**4.77**	**4.07**	**3.73**
523-132139	132139	CC	Bulkhead Receptacle, Rear mount	- - -	- - -	**4.60**	**3.93**	**3.60**
SMA Adapters								
523-132168	132168	DD	Straight Plug to Plug Adapter	- - -	- - -	**5.45**	**4.65**	**4.27**
523-132171	132171	EE	Straight Plug to Jack Adapter	- - -	- - -	**4.96**	**4.24**	**3.88**
523-132339	132339	FF	Right Angle Plug to Plug Adapter	- - -	- - -	**7.38**	**6.31**	**5.78**
523-132172	132172	GG	Right Angle Plug to Jack Adapter	- - -	- - -	**7.70**	**6.91**	**6.25**
523-132169	132169	HH	Straight Jack to Jack Adapter	- - -	- - -	**4.45**	**3.80**	**3.48**
523-132274	132274	II	Right Angle Jack to Jack Adapter	- - -	- - -	**6.64**	**5.67**	**5.20**
523-132170	132170	JJ	Strght Jack to Jack Bulkhead Adapt.	- - -	- - -	**6.25**	**5.81**	**5.60**
523-132216	132216	KK	Jack to Jack to Jack Tee Adapter	- - -	- - -	**9.35**	**8.41**	**7.73**
523-132217	132217	LL	Jack to Plug to Jack Tee Adapter	- - -	- - -	**9.63**	**8.67**	**8.25**
Accessories								
523-202112	202112	–	Male Cap	- - -	- - -	**1.53**	**1.31**	**1.20**
523-202112-10	202112-10	–	Male Cap with Chain	- - -	- - -	**1.52**	**1.38**	**1.30**
523-132364	132364	–	Male Cap for Rev. Polorized Jack	- - -	- - -	**1.96**	**1.67**	**1.53**
523-132348	132348	–	Female Cap with chain	- - -	- - -	**3.36**	**2.87**	**2.63**
523-132331	132331	–	Male Shorting Cap	- - -	- - -	**2.83**	**2.42**	**2.22**
523-132360	132360	–	Male 50Ω Resistor Cap	- - -	- - -	**2.38**	**2.04**	**1.87**
523-132360RP	132360RP	–	Male 50Ω Res. Cap, Rev. Polarity	- - -	- - -	**4.13**	**3.53**	**3.23**
523-132361	132361	–	Female 50Ω Resistor Cap	- - -	- - -	**2.49**	**2.13**	**1.95**

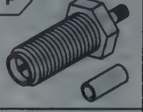
A


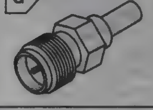
B


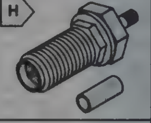
C


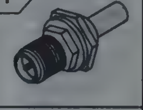
D


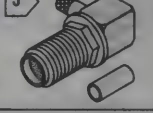
E


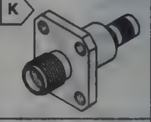
F


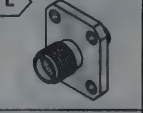
G


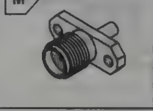
H


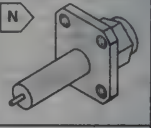
I


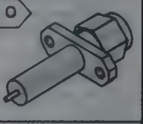
J


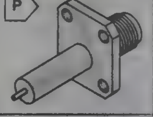
K


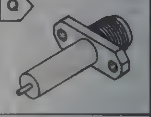
L


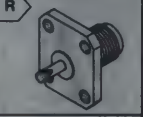
M


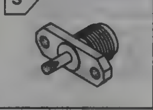
N


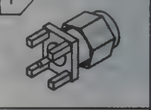
O


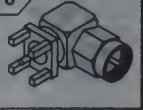
P


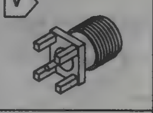
Q


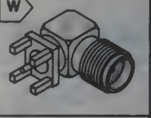
R


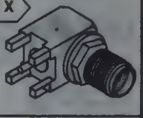
S


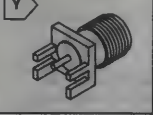
T


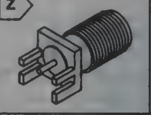
U


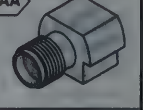
V


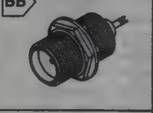
W


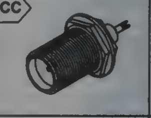
X


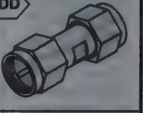
Y


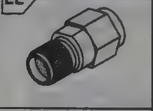
Z


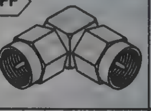
AA


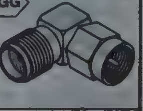
BB


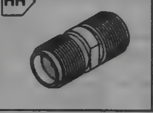
CC


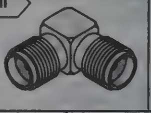
DD


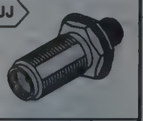
EE


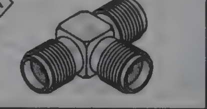
FF


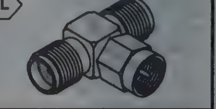
GG


HH


II


JJ


KK


LL


RoHS Compliant **This page of product is compliant.**

N SERIES FOR LMR AND SEMI-RIGID CABLES

The Connex N connectors with screw coupling are fully interchangeable with N connectors made to the MIL-C-39012 specification. Designed for use in all systems where good RF and mechanical performance is critical, whether it be at low or high frequencies.

- Impedance: 50Ω
- Body Material: Brass
- Finish: Nickel
- Center Contact: 3μ" Gold
- Frequency Range: 0-11GHz
- Insulation: Teflon

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-172128	172128	A	Straight Crimp Plug	LMR 100/ RG316/U	47-10150	5.64	4.82	4.42	4.08
523-172171	172171	A	Straight Crimp Plug	316 Double Braid	47-10150	6.06	5.18	4.75	4.38
523-172142	172142	A	Straight Crimp Plug	RG 223/142/400	47-10180	4.40	4.25	4.00	3.35
523-172100	172100	A	Straight Crimp Plug	LMR 195/RG58/U	47-10180	3.78	3.42	3.11	2.85
523-172214	172214	A	Straight Crimp Plug	LMR 200	47-10180	3.72	3.38	3.10	2.86
523-172135	172135	A	Straight Crimp Plug	LMR 240/8X	47-10180	4.20	3.75	3.43	3.15
523-172304	172304	A	Straight Crimp Plug	LMR 300	47-10110	4.55	3.89	3.57	3.29
523-172259	172259	A	Straight Crimp Plug	LMR 500	.600 Hex	8.51	7.27	6.67	6.15
523-172206	172206	A	Straight Crimp Plug	LMR 600	.610 Hex	10.23	8.75	8.02	7.40
523-172102	172102	A	Straight Crimp Plug	RG 8, 213	47-10090	5.05	4.62	4.25	3.94
523-172166	172166	A	Straight Crimp Plug	RG 214	47-10090	4.34	3.71	3.40	3.14
523-172101	172101	A	Straight Crimp Plug	RG 59	47-10180	4.38	3.75	3.43	3.17
523-172102H243	172102H243	A	Straight Crimp Plug	LMR 400/B9913	47-10210	4.51	3.85	3.53	3.26
523-172113H243	172113H243	B	Straight Plug, Clamp	LMR 400/B9913	- - -	5.91	5.05	4.63	4.28
523-172133	172133	C	Straight Solder Plug	.141 Semi-Rigid	- - -	4.91	4.20	3.85	3.55
523-172211	172211	C	Straight Solder Plug	.085 Semi-Rigid	- - -	5.26	4.49	4.12	3.80
523-172139	172139	C	Straight Solder Plug	.250 Semi-Rigid	- - -	5.09	4.35	3.98	3.68
523-172180	172180	D	Right Angle Crimp Plug	LMR 100/ RG316/U	47-10150	8.83	7.55	6.92	6.38
523-172245	172245	D	Right Angle Crimp Plug	316 Double Braid	47-10150	8.83	7.55	6.92	6.38
523-172177	172177	D	Right Angle Crimp Plug	LMR 195/RG58/U	47-10180	8.04	6.87	6.30	5.82
523-172178	172178	D	Right Angle Crimp Plug	RG 223/142/400	47-10070	8.15	6.96	6.38	5.89
523-172176	172176	D	Right Angle Crimp Plug	RG 8/213	47-10210	9.53	8.15	7.47	6.89
523-172215	172215	D	Right Angle Crimp Plug	LMR 200	47-10070	8.70	7.44	6.82	6.29
523-172219	172219	D	Right Angle Crimp Plug	LMR 240/8X	47-10180	8.30	7.09	6.50	6.00
523-172176	172176	D	Right Angle Crimp Plug	LMR 400/B9913	47-10210	9.53	8.15	7.47	6.89
523-172263	172263	D	Right Angle Crimp Plug	LMR 600	.610 Hex	9.02	7.71	7.07	6.52
523-172236	172236	E	Right Angle Solder Plug	.141 Semi-Rigid	- - -	8.19	7.00	6.42	5.92
523-172235	172235	E	Right Angle Solder Plug	.085 Semi-Rigid	- - -	8.19	7.00	6.42	5.92
523-172266	172266	E	Right Angle Solder Plug	.250 Semi-Rigid	- - -	9.77	8.35	7.65	7.06
523-172204	172204	F	Straight Crimp Jack	LMR 100/ RG316/U	47-10150	5.81	4.96	4.55	4.20
523-172205	172205	F	Straight Crimp Jack	316 Double Braid	47-10150	6.19	5.29	4.85	4.48
523-172103	172103	F	Straight Crimp Jack	LMR 195/RG58/U	47-10180	4.13	3.53	3.23	2.98
523-172216	172216	F	Straight Crimp Jack	LMR 200	47-10180	4.13	3.53	3.23	2.98
523-172148	172148	F	Straight Crimp Jack	LMR 240/8X	47-10180	4.00	3.44	3.15	2.88
523-172203	172203	F	Straight Crimp Jack	LMR 400/B9913	47-10210	4.21	3.60	3.30	3.05
523-172207	172207	F	Straight Crimp Jack	LMR 600	.610 Hex	8.40	7.70	7.00	6.50
523-172238	172238	G	Straight Solder Jack	.141 Semi-Rigid	- - -	4.17	3.56	3.27	3.02
523-172237	172237	G	Straight Solder Jack	.085 Semi-Rigid	- - -	4.17	3.56	3.27	3.02
523-172312	172312	G	Straight Solder Jack	.250 Semi-Rigid	- - -	4.00	3.50	3.30	3.00
523-172129	172129	H	Bulkhead Crimp Jack	LMR 100/ RG316/U	47-10150	6.00	5.23	4.80	4.60
523-172165	172165	H	Bulkhead Crimp Jack	316 Double Braid	47-10150	6.36	5.44	4.98	4.60
523-172132	172132	H	Bulkhead Crimp Jack	RG 223/142	47-10180	7.47	6.38	5.85	5.40
523-172217	172217	H	Bulkhead Crimp Jack	LMR 200	47-10180	6.34	5.42	4.97	4.58
523-172108	172108	H	Bulkhead Crimp Jack	RG 8/213	47-10180	6.55	5.60	5.13	4.74
523-172106	172106	H	Bulkhead Crimp Jack	LMR 195/RG58/U	47-10180	6.40	5.47	5.02	4.63
523-172149	172149	H	Bulkhead Crimp Jack	LMR 240/8X	47-10180	6.02	5.15	4.72	4.35
523-172220	172220	H	Bulkhead Crimp Jack	LMR 400/B9913	47-10210	6.79	5.80	5.32	4.91
523-172264	172264	H	Bulkhead Crimp Jack	LMR 600	.610 Hex	12.89	11.02	10.10	9.32
523-172143	172143	I	Bulkhead Jack, Clamp	LMR 100/ RG316/U	- - -	7.55	6.45	5.92	5.46
523-172137	172137	J	Bulkhead Solder Jack	.141 Semi-Rigid	- - -	7.09	6.36	5.75	5.25
523-172138	172138	J	Bulkhead Solder Jack	.085 Semi-Rigid	- - -	7.04	6.02	5.52	5.09
523-172153	172153	J	Bulkhead Solder Jack	.250 Semi-Rigid	- - -	7.29	6.70	6.17	5.67

TNC SERIES FOR LMR AND SEMI-RIGID CABLES

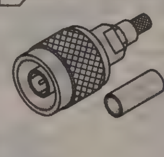
The Connex TNC connector is a medium size coaxial connector with thread coupling made to a high quality level. All 50Ω TNC connectors are intermatable with 75Ω TNC connectors.

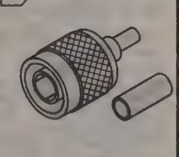
- Impedance: 50Ω
- Frequency Range: 0-11 GHz
- Body Material: Brass
- Finish: Nickel
- Insulation: Delrin (or Teflon ✻)
- Center Contact: 3μ" Gold

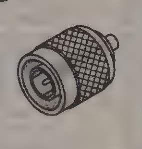
RoHS Compliant

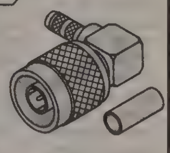
For quantities of 500 and up, call for quote.

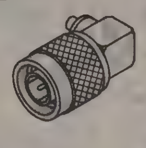
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-122116	122116	K	Straight Crimp Plug	LMR 100/ RG316/U	47-10070	2.09	1.78	1.63	1.51
523-122108	122108	K	Straight Crimp Plug	LMR 100/ RG58/U	47-10070	1.50	1.34	1.22	1.13
523-122410	122410	K	Straight Crimp Plug	LMR 200	47-10070	1.64	1.40	1.28	1.18
523-122408	122408	K	Straight Crimp Plug	LMR 240/8X	47-10070	1.84	1.67	1.53	1.40
✻ 523-122393	122393	K	Straight Crimp Plug	LMR 400/B9913	47-10210	5.27	4.79	4.12	4.05
✻ 523-122386	122386	L	Straight Solder Plug	.141 Semi-Rigid	- - -	3.52	3.22	2.96	2.75
✻ 523-122387	122387	L	Straight Solder Plug	.085 Semi-Rigid	- - -	12.43	10.62	9.73	8.98
✻ 523-122484	122484	L	Straight Solder Plug	.250 Semi-Rigid	- - -	2.38	2.04	1.87	1.72
523-122148	122148	M	Right Angle Crimp/Solder Plug	LMR 100/ RG316/U	47-10150	3.87	3.50	3.18	2.92
523-122140	122140	M	Right Angle Crimp/Solder Plug	LMR 100/ RG58/U	47-10070	3.28	2.99	2.74	2.53
✻ 523-122414	122414	M	Right Angle Crimp/Solder Plug	LMR 240/8X	47-10070	5.40	4.85	4.38	4.00
523-122416	122416	M	Right Angle Crimp/Solder Plug	LMR 400/B9913	47-10210	5.32	4.55	4.17	3.85
✻ 523-122422	122422	N	Right Angle Solder Plug	.141 Semi-Rigid	- - -	5.77	4.93	4.52	4.17
✻ 523-122420	122420	N	Right Angle Solder Plug	.085 Semi-Rigid	- - -	5.77	4.93	4.52	4.17
523-122138	122138	O	Straight Crimp Jack	LMR 100/ RG316/U	47-10150	2.17	1.85	1.70	1.57
✻ 523-122122	122122	O	Straight Crimp Jack	LMR 100/ RG58/U	47-10070	2.08	1.80	1.70	1.50
523-122409	122409	O	Straight Crimp Jack	LMR 240/8X	47-10070	4.21	3.60	3.30	3.05
✻ 523-122392	122392	O	Straight Crimp Jack	LMR 400/B9913	47-10210	4.74	4.05	3.72	3.43
523-122192	122192	P	Bulkhead Crimp Jack	LMR 100/ RG316/U	47-10150	3.38	3.07	2.80	2.57
✻ 523-122160	122160	P	Bulkhead Crimp Jack	LMR 100/ RG58/U	47-10070	3.40	2.91	2.67	2.46
✻ 523-122415	122415	P	Bulkhead Crimp Jack	LMR 240/8X	47-10070	4.40	3.76	3.45	3.18
523-122405	122405	P	Bulkhead Crimp Jack	LMR 400/B9913	47-10210	5.83	5.33	4.90	4.54
✻ 523-122401	122401	Q	Bulkhead Solder Jack	.141 Semi-Rigid	- - -	3.55	3.04	2.78	2.57
✻ 523-122400	122400	Q	Bulkhead Solder Jack	.085 Semi-Rigid	- - -	3.72	3.18	2.92	2.69
✻ 523-122489	122489	Q	Bulkhead Solder Jack	.250 Semi-Rigid	- - -	9.91	8.47	7.77	7.17

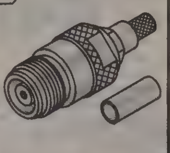
A


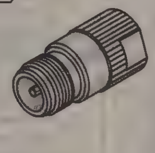
B


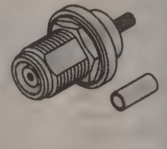
C


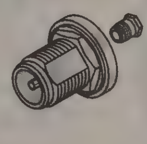
D


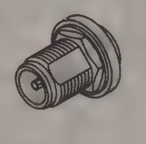
E


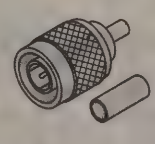
F


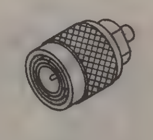
G


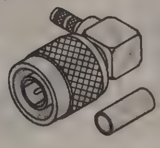
H


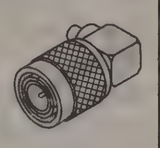
I


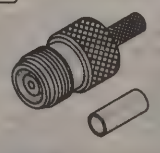
J


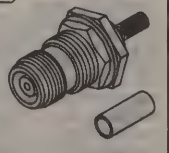
K


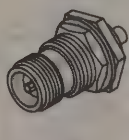
L


M


N


O


P


Q


AMPHENOL RF Connectors

Amphenol®

RoHS Compliant **This page of product is compliant.**

MINI SMB 75 OHM CONNECTORS

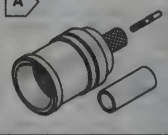
SMB connectors feature quick connect/disconnect snap-on mating. Mini 75 ohm connectors are matched-impedance. SMB connectors to be used with 75Ω miniature coax cables. The connectors are the same size as, and intermateable with, standard 50Ω connectors.

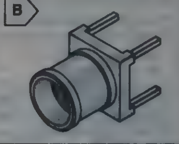
- Impedance: 75Ω
- Body Material: Brass
- Insulation: Teflon
- Finish: Gold, unless part number is noted with ✱ = Nickel
- Contact Plating: 30µ" Gold
- Frequency range: 0-4 GHz

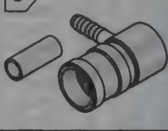
RoHS Compliant

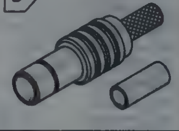
For quantities of 500 and up, call for quote.

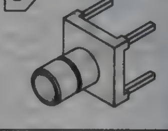
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-142186-75	142186-75	A	Straight Crimp Plug	179/U	47-10150	4.77	4.07	3.73	3.45
523-142187-75	142187-75	A	Straight Crimp Plug	179 Double Braid	47-10160	4.72	4.04	3.70	3.42
523-142335-75	142335-75	A	Straight Crimp Plug	RG 59 / B1505	47-10070	9.40	8.89	8.15	7.52
523-142222-75	142222-75	A	Straight Crimp Plug	AT&T 735A	47-10150	5.06	4.33	3.97	3.66
523-142134-75	142134-75	B	Vertical Plug for PC Board	- - -	- - -	4.47	3.82	3.50	3.23
523-142194-75	142194-75	C	Right Angle Cable Plug	179/U	47-10150	5.40	4.62	4.23	3.91
523-142176-75	142176-75	C	Right Angle Cable Plug	179 Double Braid	47-10160	5.47	4.67	4.28	3.95
523-142336-75	142336-75	C	Right Angle Crimp Plug	RG 59 / B1505	47-10070	9.40	8.89	8.15	7.52
523-142221-75 ✱	142221-75	C	Right Angle Crimp Plug	AT&T 735A	47-10150	5.55	4.75	4.35	4.02
523-142189-75	142189-75	D	Straight Crimp Jack	179/U	47-10150	3.26	2.78	2.55	2.35
523-142138-75	142138-75	E	Vertical Jack for PC Board	- - -	- - -	2.38	2.04	1.87	1.72
523-142146-75	142146-75	F	Right Angle Jack for PC Board	- - -	- - -	4.10	3.51	3.22	2.97
523-142179-75	142179-75	G	Bulkhead Feedthrough Cable JK	179/U	47-10150	3.53	3.02	2.77	2.55
523-142337-75	142337-75	G	Bulkhead Crimp Jack	RG 59 / B1505	47-10070	9.40	8.89	8.15	7.52

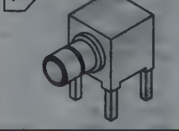
A


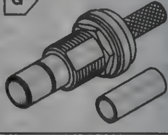
B


C


D


E


F


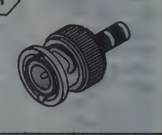
G


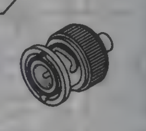
BNC SERIES FOR LMR & SEMI RIGID CABLES

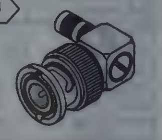
- Impedance: 50Ω
- Body Material: Brass
- Body Plating: Nickel
- Contact Plating: Gold
- Frequency range: 0-4 GHz w/low reflection

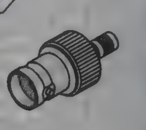
RoHS Compliant **For quantities of 500 and up, call for quote.**

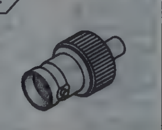
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-112132	112132	H	Straight Crimp Plug	LMR 100 / RG316/U	47-10150	2.07	1.78	1.63	1.51
523-112116	112116	H	Straight Crimp Plug	LMR 195 / RG58/U	47-10070	1.62	1.40	1.28	1.18
523-112597	112597	H	Straight Crimp Plug	LMR 200	47-10070	2.40	2.05	1.88	1.74
523-112533	112533	H	Straight Crimp Plug	LMR 240 / RG8X	47-10070	2.15	1.84	1.68	1.55
523-112563	112563	H	Straight Crimp Plug	LMR 400 / B9913	47-10210	4.81	4.42	4.07	3.74
523-112551	112551	I	Straight Solder Plug	.141 Semi-Rigid	- - -	2.98	2.55	2.33	2.15
523-112552	112552	I	Straight Solder Plug	.085 Semi-Rigid	- - -	2.98	2.55	2.33	2.15
523-112710	112710	I	Straight Solder Plug	.250 Semi-Rigid	- - -	2.68	2.29	2.10	1.94
523-112178	112178	J	Right Angle Crimp Plug	LMR 100 / RG316/U	47-10150	3.75	3.41	3.12	2.88
523-112162	112162	J	Right Angle Crimp Plug	LMR 195 / RG58/U	47-10070	4.49	3.84	3.52	3.25
523-112601	112601	J	Right Angle Crimp Plug	LMR 240 / RG8X	47-10070	6.64	5.67	5.20	4.80
523-112596	112596	J	Right Angle Crimp Plug	LMR 400 / B9913	47-10210	6.64	5.67	5.20	4.80
523-112160	112160	K	Straight Crimp Jack	LMR 100 / RG316/U	47-10150	2.17	1.95	1.80	1.70
523-112144	112144	K	Straight Crimp Jack	LMR 195 / RG58/U	47-10070	2.62	2.24	2.05	1.89
523-112605	112605	K	Straight Crimp Jack	LMR 240 / RG8X	47-10070	2.45	2.09	1.92	1.77
523-112603	112603	K	Straight Crimp Jack	LMR 400 / B9913	47-10210	4.31	3.82	3.51	3.23
523-112618	112618	L	Straight Solder Jack	.141 Semi-Rigid	- - -	2.43	2.07	1.90	1.75
523-112615	112615	L	Straight Solder Jack	.085 Semi-Rigid	- - -	2.53	2.16	1.98	1.83
523-112234	112234	M	Bulkhead Crimp Jack	LMR 100 / RG316/U	47-10150	3.31	3.04	2.80	2.57
523-112202	112202	M	Bulkhead Crimp Jack	LMR 195 / RG58/U	47-10070	3.88	3.67	3.37	3.11
523-112581	112581	N	Bulkhead Solder Jack	.141 Semi-Rigid	- - -	3.44	3.16	2.91	2.67
523-112580	112580	N	Bulkhead Solder Jack	.085 Semi-Rigid	- - -	3.44	3.16	2.91	2.67
523-112714	112714	N	Bulkhead Solder Jack	.250 Semi-Rigid	- - -	8.07	7.43	6.83	6.28

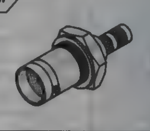
H


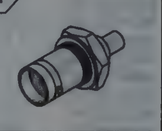
I


J


K


L


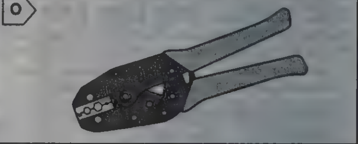
M


N


CRIMP TOOLS WITH DIE SETS

RoHS Compliant **For quantities of 5 and up, call for quote.**

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Cable Groups	Die Cavities	Price Each
523-47-10150	47-10150	O	RG 174/ 188/ 316/ 179/ 187/ 180/ 195/ 178/ 196	.178 / .128 / .068	59.91
523-47-10070	47-10070	O	RG 55/ 58/ 59/ 62/ 141/ 142/ 223/ 303/ 400	.255 / .213 / .068	60.52
523-47-10180	47-10180	O	5 Cavity RG 58/ 59 N, BNC, TNC, SMA	.255 / .213/ .100/ .068/ .052	59.31
523-47-10160	47-10160	O	.151 HEX 316/ 179/ Double Braid	.151 / .178 / .213	63.00
523-47-10110	47-10110	O	RG6/ 59/ B8281	.324 / .255 / .068 / .042	63.00
523-47-10210	47-10210	O	LMR 400/ B9913/ B9914/ B7810	.429/ .118	62.00
523-47-4009-20	47-4009-20	–	Crimp Tool without Die for LMR 600 Cable	- - -	346.15
523-47-4009-01	47-4009-01	–	Die for LMR 600	.610 Hex	80.65

O


TRUE 75OHM BNC CABLE CONNECTORS

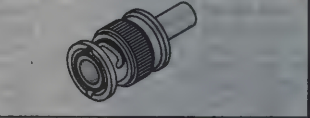
Designed for the most popular 75Ω cables used in broadcast and CATV applications when performance is needed to insure low signal distortion.

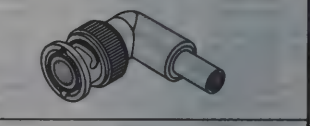
- Impedance: 75Ω
- Body Material: Brass
- Body Plating: Nickel
- Contact Plating: Gold
- Frequency range: 0-4 GHz

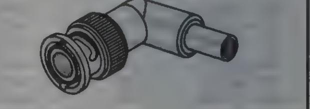
RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Cable	Crimp Tool	Price Each			
						1	10	25	100
523-31-80101	31-80101	A	Straight Crimp Plug	RG-179, 187	227-T1200	3.15	2.84	2.53	2.29
523-31-80102	31-80102	A	Straight Crimp Plug	BELDEN 8218	227-T1200	4.36	3.92	3.50	3.16
523-31-80103	31-80103	A	Straight Crimp Plug	RG-59	227-T1200	4.64	4.18	3.73	3.37
523-31-80104	31-80104	A	Straight Crimp Plug	734A	227-T1200	3.15	2.84	2.53	2.29
523-31-80105	31-80105	A	Straight Crimp Plug	735A	227-T1200	3.15	2.84	2.53	2.29
523-31-80106	31-80106	A	Straight Crimp Plug	RG-174, 316	227-T1200	4.64	4.18	3.73	3.37
523-31-80107	31-80107	A	Straight Crimp Plug	BELDEN 179DT	227-T1200	4.64	4.18	3.73	3.37
523-31-80108	31-80108	A	Straight Crimp Plug	BELDEN 8281	227-T1200	4.64	4.18	3.73	3.37
523-31-80109	31-80109	A	Straight Crimp Plug	BELDEN 1694A	227-T1200	4.64	4.18	3.73	3.37
523-31-80901	31-80901	B	Right Angle Crimp Plug	RG-179, 187	227-T1200	16.42	14.78	13.20	11.92
523-31-80904	31-80904	B	Right Angle Crimp Plug	734A	227-T1200	16.42	14.78	13.20	11.92
523-31-80905	31-80905	B	Right Angle Crimp Plug	735A	227-T1200	16.42	14.78	13.20	11.92
523-31-80401	31-80401	C	45 Degree Angle Crimp Plug	RG-179, 187	227-T1200	14.91	13.42	11.98	10.82
523-31-80404	31-80404	C	45 Degree Angle Crimp Plug	734A	227-T1200	14.91	13.42	11.98	10.82
523-31-80405	31-80405	C	45 Degree Angle Crimp Plug	735A	227-T1200	14.91	13.42	11.98	10.82

A


B


C


AMPHENOL RF Connectors

RoHS Compliant This page of product is compliant.

RFX BNC COMMERCIAL CONNECTORS

- Impedance: 50Ω to 75Ω
- Frequency Range: 0-4 GHz
- Temperature Range: -55° to 85°C
- Voltage Rating: 500 Volts Peak
- Mating: 2 stud Bayonet Coupling

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Imp.	Cable Attachment Outer-Inner	RG Cable/ Description	CTL* Tool No.	Price Each			
Mfr.	Mfr. Part No.						1	10	25	100
Straight Plugs - Cable Clamp Type										
523	31-5136RFX	A	50	Suretwist®	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	2.07	1.63	1.32	1.22
523	31-5137-RFX	A	50	Suretwist®	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	-----	2.25	1.85	1.45	1.36
523	31-2-RFX	B	50	Clamp-Solder	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	-----	1.77	1.60	1.35	1.25
523	31-212-RFX	B	50	Clamp-Solder	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	2.50	2.07	1.91	1.74
Straight Plugs-Crimp Type										
523	31-5556-RFX	C	50	Crimp-Press Fit	59, 59 20 AWG	CTL-2	2.13	1.68	1.52	1.41
523	31-320-RFX	C	50	Dual Crimp	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-1	1.41	1.26	1.12	1.02
523	31-321-RFX	C	50	Dual Crimp	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	CTL-1	1.50	1.25	1.05	1.02
523	31-71008-RFX	C	75	Dual Crimp	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	CTL-1	1.79	1.62	1.50	1.43
523	31-71008-1RFX	C	75	Dual Crimp	59, 59 20 AWG	CTL-1	1.66	1.31	1.18	1.10
523	68175-5RFX	C	50	Dual Crimp	59, 59 20 AWG	CTL-1	1.48	1.30	1.09	1.04
523	31-315-RFX	C	50	Dual Crimp	174, 188A, 316, Belden 7805	CTL-2	1.73	1.49	1.20	1.09
523	31-71013-RFX	C	75	Dual Crimp	179, 187, Belden 9221	CTL-2	1.79	1.53	1.38	1.28
523	31-321-10RFX	C	50	Dual Crimp	Belden 8281, 88281	CTL-2	2.11	1.67	1.51	1.40
523	31-71000RFX	C	75	Dual Crimp	6, .295 Outer Diameter, Belden 1694A, 9248	CTL-2	2.50	2.25	2.00	1.82
523	36650-3RFX	C	50	Dual Crimp	Plenum 58	CTL-1	1.76	1.39	1.25	1.16
523	31-242-RFX	C	50	Dual Crimp	179, 187, Belden 9221	CTL-2	1.85	1.68	1.55	1.41
Right Angle Plugs-Crimp Type										
523	31-335-RFX	D	50	Dual Crimp	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-1	4.14	3.82	3.18	3.07
523	31-06-RFX	E	50	Crimp Solder	RG 174, 188A, 316, Belden 7805A	-----	2.20	1.94	1.71	1.58
Jacks										
523	36800-RFX	F	50	Dual Crimp	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-1	1.69	1.33	1.21	1.12
523	31-71014-RFX	F	75	Dual Crimp	179, 187, Belden 9221	CTL-2	1.95	1.76	1.55	1.43
523	31-5329-51RFX	G	50	PCB Mount	Vertical Jack, Silver Contact, .433" Dia. Base	-----	1.75	1.67	1.47	1.36
523	31-5329-52RFX	G	50	PCB Mount	Vertical Jack, Gold Contact, .433" Dia. Base	-----	1.96	1.73	1.46	1.27
523	31-5329-72RFX	G	75	PCB Mount	Vertical Jack, Gold Contact, .433" Dia. Base	-----	2.09	1.85	1.63	1.50
523	31-10-RFX	H	50	Solder Cup	Bulkhead Front mount, Isolated, Ground Tab	-----	1.99	1.79	1.50	1.38
523	31-221-RFX	I	50	Solder Cup	Bulkhead Front mount	-----	1.42	1.36	1.13	1.04
523	31-221-75RFX	I	75	Solder Cup	Bulkhead Front mount	-----	1.53	1.14	1.05	.94
523	31-203RFX	J	50	Panel Mount	Square Flange 4 hole, Solder Cup	-----	3.07	2.42	2.19	1.94
523	31-318-RFX	K	50	Dual Crimp	Bulkhead , 174, 188A, 316, Belden 7805	CTL-2	3.06	2.63	2.38	2.21
523	31-245-RFX	K	50	Dual Crimp	Bulkhead , 179, 187, Belden 9221	CTL-2	4.17	3.69	3.25	3.00
523	31-342-RFX	K	50	Dual Crimp	Bulkhead , 58, 141, 303, LMR 195, Belden 7806A	CTL-1	2.54	2.32	2.23	2.15
523	31-343-RFX	K	50	Dual Crimp	Bulkhead , 59, 62, 140, 210, 8241, 8263 8279, 9209	CTL-1	3.72	3.29	2.90	2.67
523	31-71011-RFX	K	75	Dual Crimp	Bulkhead , 59, 62, 140, 210, 8241, 8263, 8279, 9209	CTL-1	3.45	3.25	3.03	2.72
523	31-71016-RFX	K	75	Dual Crimp	Bulkhead , 179, 187, Belden 9221	CTL-2	2.70	2.54	2.35	2.15
523	31-5538-10-RFX	L	50	PCB Bulkhead	Right Angle Jack, Black Valox, Fork Pins	-----	2.18	1.98	1.87	1.65
523	31-5431-10RFX	L	50	PCB Bulkhead	Right Angle Jack, White Valox, Fork Pins	-----	1.67	1.32	1.19	1.10
Adapters										
523	31-9-RFX	M	50	Jack to Plug	Right angle	-----	3.82	3.47	2.94	2.73
523	31-218-RFX	N	50	Plug to Plug	BNC Straight Adapter	-----	3.00	2.65	2.34	2.16
523	31-218-75RFX	N	75	Plug to Plug	BNC Straight Adapter	-----	3.50	2.95	2.67	2.47
523	31-219-RFX	O	50	Jack to Jack	BNC Straight Adapter	-----	3.25	2.92	2.37	2.14
523	31-220N-RFX	P	50	Jack to Jack	BNC Bulkhead Adapter, Non-sealed	-----	2.96	2.66	2.04	2.02
523	31-220G-RFX	P	50	Jack to Jack	BNC Bulkhead Adapter, Gasketed	-----	3.05	2.75	2.34	2.16
523	31-4803-RFX	P	50	Jack to Jack	Isolated Bulkhead, Max. panel depth: .187"	-----	3.38	3.04	2.68	2.47
523	31-220N-75RFX	P	75	Jack to Jack	BNC Bulkhead Adapter, Non-sealed	-----	3.09	2.44	2.21	2.04
523	31-208-RFX	Q	50	Jack-Plug-Jack	BNC Tee	-----	3.09	2.77	2.51	2.29
523	46650-51RFX	R	50	Terminator	Male cap, Resistor Terminated, 1% 1 watt	-----	1.79	1.65	1.51	1.40
523	46650-75RFX	R	75	Terminator	Male cap, Resistor Terminated, 1% 1 watt	-----	2.22	1.96	1.73	1.59
523	31-10152RFX	S	50	Hardware	Grounding lug	-----	.40	.36	.31	.28

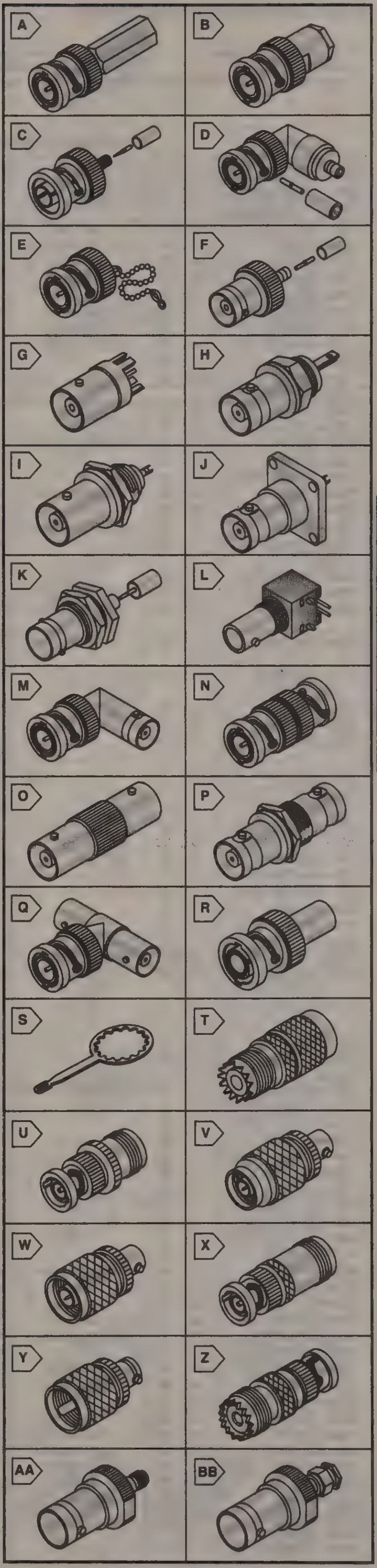
* Amphenol CTL Crimp Tools

ADAPTERS, BETWEEN SERIES

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	MIL Type	Plating Body/Contact	Description	Price Each			
Mfr.	Mfr. Part No.					1	5	10	25
523	4400	T	UG-146/U	Silver/Gold	N Plug to UHF Jack	20.20	17.82	15.95	14.66
523	79025	U	-----	Nickel/Silver	BNC Plug to TNC Jack	37.35	33.42	30.73	28.01
523	79675	V	-----	Nickel/Silver	BNC Jack to TNC Plug	29.75	26.61	24.47	22.31
523	31-216	W	UG-201A/U	Nickel/Silver	BNC Jack to N Plug	10.60	9.05	7.95	7.05
523	31-216-RFX	W	UG-201A	Nickel/Silver	BNC Jack to N Plug	13.89	11.09	9.86	9.21
523	31-217	X	UG-349A/U	Gold/Gold	BNC Plug to N Jack	14.78	13.23	12.16	11.09
523	31-28	Y	UG-273/U	Gold/Gold	BNC Jack to UHF Plug	20.02	16.69	15.41	14.29
523	2900	Z	UG-255/U	Gold/Gold	BNC Plug to UHF Jack	19.35	17.32	16.25	15.92
523	901-167	AA	-----	Nickel/Gold	BNC Jack to SMA Jack	41.88	38.38	33.75	30.05
523	901-166	BB	-----	Nickel/Silver	BNC Jack to SMA Plug	56.00	54.29	50.00	46.00
523	901-165	--	-----	Nickel/Gold	BNC Plug to SMA Jack	50.87	46.01	39.60	36.28



BNC COAXIAL CONNECTORS

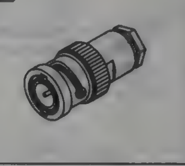
RoHS Compliant **This page of product is compliant.**

- Frequency Range: 0-4 GHz
- Insulators: TFE
- Temperature Range: -65° to 165°C (TFE Insulators)
- Crimps: Hex Braid
- RFX Designation: Commercial versions with diecast and molded components.
- Mating: 2 stud Bayonet Coupling per M39012

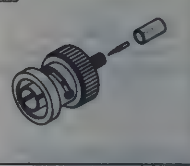
∗ Amphenol CTL Crimp Tools † Hardware sold separately **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.		Fig.	Imp.	MIL Type	RG Cable/ Description	CTL∗ Tool No.	Price Each			
Mfr.	Mfr. Part No.						1	10	25	100
Plugs - Cable Clamp										
523	31-2	A	50	UG-88/U	58, 141, 303, LMR 195, Belden 7806A	-----	4.52	3.98	3.67	3.36
523	31-12	A	50	UG-260	59, 62, 61, 140, 210, 302,	-----	10.17	9.00	7.93	7.31
523	31-202	A	50	UG-88C	55, 58, 141, 142, 223, 400	-----	4.06	3.60	2.92	2.67
523	31-212	A	50	UG-260B	59, 62, 140, 210, 8241, 8263, 8279	-----	5.07	4.48	3.95	3.64
523	31-212-1005	A	50	-----	59, 59 20 AWG	-----	6.11	5.40	4.76	4.39
523	6775	A	50	UG-959/U	8, 9, 11, 213, 214	-----	19.31	17.80	16.27	15.19
523	31-3202	A	50	UG88E/U	55, 58, 141, 142, 223, 400	-----	8.53	7.68	7.06	6.50
523	31-3301	A	50	M39012/16-0101	58, 141, 142, 400	-----	8.65	7.65	6.75	6.22
523	15875	A	50	-----	178, 196, .071" Outer Diameter	-----	8.26	7.31	6.44	5.94
523	69475	A	50	-----	174, 188, 316, Belden 7805	-----	7.46	6.60	5.81	5.36
Plugs - 3-Piece Crimp										
523	31-242	B	50	-----	179, 187, Belden 9221	CTL-2	7.39	6.54	5.76	5.31
523	31-315	B	50	-----	174, 188, 316, Belden 7805	CTL-2	4.75	4.29	3.78	3.19
523	31-320	B	50	M23329/3-01,3-03	58, 141, 303, LMR 195, Belden 7806A	CTL-1	4.39	4.00	3.53	2.94
523	31-325	B	50	-----	122, 180, 195, Belden 1865A, 8218	CTL-2	7.39	6.54	5.76	5.31
523	31-320-1006	B	50	-----	Plenum 58, RG 122, Belden 88240, 82907	CTL-1	5.11	4.52	3.98	3.67
523	31-321	B	50	M23329/3-05	59, 62, 140, 210, 8241, 8263, 8279	CTL-1	4.61	4.08	3.59	3.31
523	31-321-1000	B	50	-----	Belden 8281, 88281	CTL-1	6.76	5.98	5.27	4.86
523	31-326	B	50	M23329/3-02, 3-04	55, 142, 223, 400	CTL-1	5.85	5.17	4.56	4.20
523	31-5800	B	50	-----	58, 122, 141, 303, LMR 195, 7806A, 88240, 89907	CTL-1	2.65	2.12	1.95	1.78
523	31-5900	B	50	-----	59, 59 20 AWG, Belden 82108	CTL-1	2.70	2.38	2.10	1.94
523	31-4320	B	50	M39012/16-0013	58, 141, 303, LMR 195, Belden 7806A	CTL-1	5.65	5.13	4.69	4.33
523	31-4321	B	50	M39012/16-0015	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	CTL-1	6.57	5.81	5.12	4.72
523	31-70000	B	75	-----	6, .295 Outer Diameter, Belden 1694A, 9248	CTL-8	6.37	5.63	4.97	4.58
523	31-70008	B	75	-----	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	CTL-6	6.46	5.69	5.25	4.80
523	31-70013	B	75	-----	179, 187, Belden 9221	CTL-6	10.17	9.00	7.93	7.31
523	31-71008	B	75	-----	59, 62, 140, 210, 8241, 8263, 8279	CTL-1	3.32	3.04	2.79	2.61
523	31-71008-2000	B	75	-----	Plenum 59, Belden 88241, 82259, 89259	CTL-1	5.26	4.84	4.45	4.10
523	31-71013	B	75	-----	RG 179, 187, Belden 9221	CTL-2	4.50	3.98	3.51	3.23
523	31-71032	B	75	-----	Belden 8281	CTL-2	4.37	3.87	3.41	3.14
523	31-71033	B	75	-----	Belden 8218, 88281	CTL-2	3.23	2.86	2.64	2.41
523	31-5558-RFX	B	50	-----	6	CTL-2	2.37	2.15	1.95	1.78
523	36775	B	50	-----	58, 141	CTL-1	5.80	5.13	4.53	4.17
523	36875	B	50	-----	55, 142, 223, 400	CTL-1	5.72	5.06	4.46	4.11
523	68175-1003	B	50	-----	Belden 9259	CTL-1	4.61	4.35	4.10	3.62
523	68175-1005	B	50	-----	59, 62, 140, 210, 8241, 8263, 8279	CTL-1	4.83	4.66	3.76	3.51
523	31-335	G	50	-----	58, 141, 303, LMR 195, Belden 7806A	CTL-1	23.83	21.77	19.73	18.04
523	31-335-RFX	G	50	-----	58, 141, 303, LMR 195, Belden 7806A	CTL-1	4.14	3.82	3.18	3.07
523	31-371	F	50	-----	174, 188, 316, Belden 7805	-----	13.35	11.81	10.41	9.59
Plugs - SURETWIST®, QUICKTRIM®, AND FCP										
523	31-5136	C	50	-----	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	5.35	4.71	4.34	3.97
523	31-4541	D	50	-----	59, 62, 140, 210, Belden 8241, 8263, 8279, 9209	-----	11.25	10.81	9.86	9.32
523	31-4542	D	50	-----	Belden 9268, IBM 1836447	-----	8.55	6.48	4.39	3.82
523	31-4700	E	50	-----	58, 141, 303, LMR 195, Belden 7806A	-----	4.97	4.58	3.90	3.60
Jacks										
523	31-342	H	50	M23329/3-15, 3-17	58, 141, 303, LMR 195, 7806A	CTL-1	12.15	10.75	9.47	8.73
†523	31-5431	I	50	-----	Standard Height, White Valox, Round Pins	-----	4.70	4.15	3.58	3.26
†523	31-5431-1010	I	50	-----	Standard Height, White Valox, Fork Pins	-----	4.89	4.33	3.81	3.52
†523	31-5486	I	50	-----	Low Profile, White Valox, Round Pins	-----	4.89	4.33	3.81	3.52
†523	31-5486-1010	I	50	-----	Low Profile, White Valox, Fork Pins	-----	4.89	4.33	3.81	3.52
523	31-5538	I	50	-----	Standard Height, Black Valox, Round Pins	-----	4.81	4.24	3.91	3.57
†523	31-5540	I	50	-----	Low Profile, Black Valox, Round Pins	-----	5.00	4.42	3.90	3.59
†523	31-5640	I	50	-----	Standard Height, Metal , Round Pins	-----	4.89	4.33	3.81	3.52
†523	31-5640-1010	I	50	-----	Standard Height, Metal , Fork Pins	-----	5.37	4.75	4.19	3.86
523	31-71047-1010	I	75	-----	Standard Height, White Valox, Fork Pins	-----	4.89	4.33	3.81	3.52
523	31-5329	J	50	-----	Vertical PCB, 3 Legs, Blunt Post	-----	5.72	5.06	4.46	4.11
523	31-203	K	50	UG-290A/U	4 Hole Square Flange Mount	-----	6.46	5.71	5.03	4.24
523	31-10	L	50	-----	Isolated Bulkhead, Solder Cup & Ground Tab	-----	2.67	2.40	2.17	1.98
523	31-10-75	L	75	-----	Isolated Bulkhead, Solder Cup & Ground Tab	-----	6.91	6.12	4.97	4.54
523	31-238	M	50	UG-912/U	Front Mnt. ,Hermetic, Tooth Washer	-----	25.37	22.44	19.78	18.23
523	31-4237	M	50	M39012/24-0001	Rear Mnt. ,Hermetic, Tooth Washer	-----	11.24	9.94	8.76	8.08
523	31-70018	M	75	-----	Bulkhead, Solder Cup	-----	12.13	10.73	9.46	8.72
523	31-102	M	50	UG-657/U	Bulkhead, Solder Cup	-----	5.23	4.61	4.25	3.89
523	31-206	N	50	UG-909/U	55, 142, 223, 400/Bulkhead Cable Clamp	-----	7.57	6.69	5.90	5.44
523	86350	N	50	-----	174, 188, 316, 7805/Bulkhead Cable Clamp	-----	14.57	12.88	11.36	10.47
523	31-318	O	50	-----	174, 188, 316, Belden 7805/Bulkhead Crimp	CTL-2	11.04	9.77	8.61	7.94
523	31-221	M	50	UG-1094/U	Front Mount, Bulkhead, Solder Cup	-----	2.07	1.83	1.48	1.36
523	31-2221	M	50	UG-1094A/U	Front Mount, Bulkhead, Solder Cup	-----	2.55	2.30	1.96	1.76
523	31-236	M	50	UG-625B/U	Front Mount, Bulkhead, Solder Cup	-----	2.49	2.23	2.02	1.84
†523	31-5	P	50	UG-89	58, 141, 303, LMR 195, Belden 7806A	-----	6.04	5.35	4.71	4.34
†523	31-15	Q	50	UG-261/U	59, 62, 140, 210, 8241, 8263,8279	-----	8.33	7.54	6.75	5.78
523	31-317	R	50.	-----	174, 188, 316, Belden 7805	CTL-2	11.85	10.48	9.24	8.52
523	31-5652	--	--	-----	Hex Nut for PCB Bulkhead Jacks	-----	.83	.73	.64	.59
523	31-5653	--	--	-----	Lockwasher for PCB Bulkhead Jacks	-----	.74	.65	.58	.53

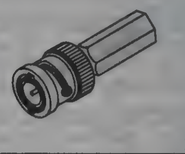
A



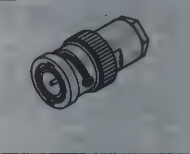
B



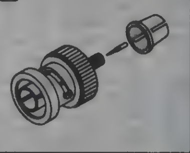
C



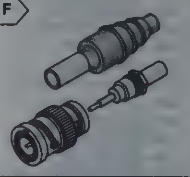
D



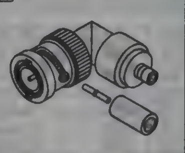
E



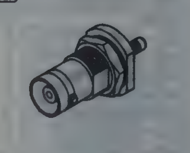
F



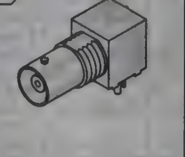
G



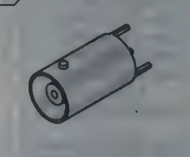
H



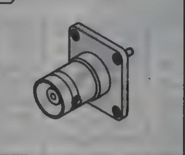
I



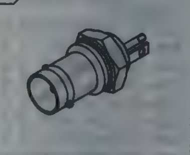
J



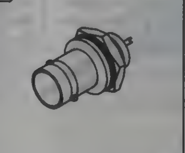
K



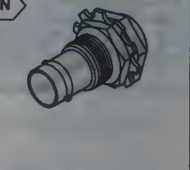
L



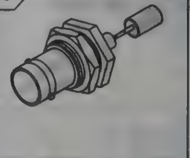
M



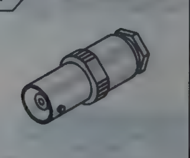
N



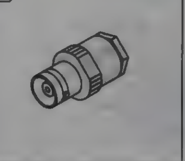
O



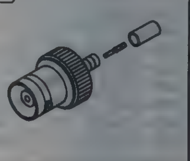
P



Q



R



BNC ADAPTERS AND ACCESSORIES

- Frequency Range: 0-4 GHz
- Insulators: TFE
- Temperature Range: -65° to 165°C (TFE Insulators)
- Crimps: Hex Braid
- RFX: Low cost commercial version
- Mating: 2 stud Bayonet Coupling per M39012

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Imp.	MIL Type	RG Cable/ Description	CTL* Tool No.	Price Each		
Mfr. Mfr. Part No.						1	10	25
523—31-218	A	50	UG-491A/U	Adapter, BNC plug to BNC plug	-----	8.94	8.29	7.59
523—31-219	B	50	UG-914/U	Adapter, BNC jack to BNC jack	-----	4.41	4.10	3.77
523—31-70019	B	75	-----	Adapter, BNC jack to BNC jack	-----	4.95	4.85	4.48
523—31-9	C	50	UG-306/U	Adapter, 90° BNC jack to BNC plug	-----	13.33	11.79	10.39
523—31-209	C	50	UG-306A/U	Adapter, 90° BNC jack to BNC plug	-----	14.57	12.88	11.36
523—31-220H	D	50	UG-492A/U	Sealed bulkhead adapter jack to jack	-----	8.03	7.45	6.03
523—31-220N	D	50	-----	Adapter, bulkhead jack to jack	-----	8.04	7.39	6.65
523—31-3220	D	50	UG-4920/U	Adapter, bulkhead jack to jack	-----	13.87	12.27	10.81
523—31-4803	D	50	-----	Adapter, bulkhead mount jack to jack	-----	11.54	10.21	9.00
523—31-8	E	50	UG-274/U	Adapter, TEE-BNC jack-plug-jack	-----	13.35	11.81	10.41
523—31-208	E	50	UG-274A/U	Adapter, TEE-BNC jack-plug-jack	-----	10.52	9.31	8.20
523—35650-75	F	75	-----	Cap-resistor terminated with chain	-----	16.74	14.81	13.05
523—46650-51	F	51	-----	Cap-resistor terminated without chain	-----	16.54	14.63	12.90
523—31-6	G	50	CW-123/U	Male Cap and Chain	-----	3.87	3.61	2.96
523—31-17	G	--	CW-159/U	Male shorting cap and chain	-----	5.89	5.47	4.88
523—31-759	H	50	IBM-2245373	Shield, grounding lug	-----	.54	.48	.42

* Amphenol CTL Crimp Tools

TYPE N COAXIAL CONNECTORS

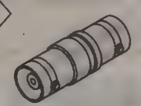
- Frequency Range: 0-11 GHz
- Impedance: 50Ω
- Mating Coupling: 5/8-24 Threaded
- RFX: Low cost commercial version
- Weatherproof: Types with supplied gaskets

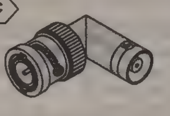
* Amphenol CTL Crimp Tools

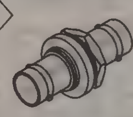
For quantities of 100 and up, call for quote.

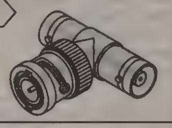
MOUSER STOCK NO.	Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	CTL* Tool No.	Price Each		
Mfr. Mfr. Part No.						1	10	25
Straight Plugs - Crimp Type								
523—82-340	I	Dual Crimp	M39012/1B0007	8,8A,213,393	CTL-3	12.19	10.78	9.34
523—82-332	I	Dual Crimp	-----	8, 9, 87A, 214, 313, 225	CTL-3	14.79	13.40	12.24
523—82-5370	I	Dual Crimp	-----	55, 142, 223, 400	CTL-3	10.17	9.56	8.69
523—82-5375	I	Dual Crimp	-----	58,141,303, LMR195,7806A	CTL-3	8.36	7.52	6.84
523—82-5375-RFX	I	Dual Crimp	-----	58,141,303, LMR 195,7806A	CTL-3	3.97	3.56	3.22
523—82-4427	I	Dual Crimp	M39012/01-0503	55,142,223, 400	CTL-3	13.68	12.10	10.49
523—82-4425	I	Dual Crimp	M39012/01-0501	8,9,87A,214,313,225,	CTL-3	14.03	12.41	10.75
523—82-340-1052	I	Dual Crimp	-----	LMR 400,7810A,9913, 9914	CTL-11	10.12	8.95	7.76
523—82-4426-11RFX	I	Dual Crimp	-----	Ethernet® Times AA4478(FEP), AA4479(PVC), Belden 89880(FEP), 9880(PVC)	CTL-3	5.22	4.75	4.35
Straight Plugs - Clamp Type								
523—82-61	J	Clamp-Solder	UG-21B	8,9,144,165,213	-----	19.19	17.27	15.54
523—82-202	J	Clamp-Solder	UG-21D/U	8,9,87A,,213,214,225,313	-----	14.72	13.38	12.27
523—82-202-1006	J	Clamp-Solder	-----	LMR 400,7810A,9913, TWB 4001	-----	8.06	7.30	6.67
523—82-202-RFX	J	Clamp-Solder	-----	8,9,87A,214,225,313	-----	5.65	5.00	4.33
523—82-312	J	Clamp-Solder	UG-1185/U	8,9,87A,214,225,313	-----	12.44	11.26	9.95
523—34025	J	Clamp-Solder	UG-536B/U	58, 141, 142A, 400	-----	10.67	9.44	8.18
523—34025-RFX	J	Clamp-Solder	-----	58, 141,303,LMR 195,7806A	-----	6.10	5.54	5.07
523—34525	J	Clamp-Solder	UG-603A/U	59, 62, 71, 140, 210	-----	22.00	19.67	18.27
523—35025	K	Clamp-Solder	-----	RG58, 141	-----	29.15	25.79	22.35
523—82-6124	L	Solder-Solder	-----	401 (.250 S/R)	-----	5.60	5.08	4.64
523—82-5955-RFX	L	Solder-Solder	-----	174, 188A, 316, Belden 7805A	-----	5.33	4.62	4.22
Right Angle Plugs - Crimp Type								
523—82-4440	M	Dual Crimp	M39012/05-0501	8,9,87A,214, 225, 313	CTL-3	34.03	30.63	27.56
Jacks - Cable								
523—82-63	N	Clamp-Solder	UG-23B/U	8,9,87A,144,165,213,214,225	-----	12.45	10.48	9.71
523—82-6092-RFX	O	Dual Crimp	-----	59, 62, 140, 210, 8241, 8263, 9209	CTL-11	3.50	3.18	2.92
Jacks - Panel - 4 Hole Square Flange								
523—82-6099-RFX	P	Solder-Solder	-----	402 (.141") S/R	-----	8.27	7.44	6.20
523—36250	Q	Clamp-Solder	UG-1095A/U	55,58,141	-----	60.23	54.21	48.79
523—82-62	Q	Clamp-Solder	UG-23B/U	8,9,87A,144,165,213,214,225	-----	18.82	17.11	15.68
523—82-97	P	Solder Cup	UG-58A/U	Panel Receptacle	-----	9.75	8.62	7.47
523—82-97-RFX	P	Solder Cup	-----	Panel Receptacle	-----	4.57	3.91	3.16
523—82-24	P	Solder Cup	UG-58	Panel Receptacle	-----	10.67	9.66	8.53
523—82-5372	R	Dual Crimp	-----	Panel Receptacle, 55, 141, 142	CTL-3	15.90	12.62	12.13
Jacks - Bulkhead								
523—82-5373	S	Dual Crimp	-----	55,142-223,400	CTL-3	10.72	9.86	9.07
523—82-5376-RFX	T	Dual Crimp	-----	RG58, 141, 142	-----	4.85	4.36	3.93
523—82-5378	S	Dual Crimp	-----	58,141,303, LMR 195, 7806A	CTL-3	22.94	20.97	19.30
523—82-5378-RFX	S	Dual Crimp	-----	58,141,303, LMR 195, 7806A	CTL-3	5.07	4.56	3.93
523—82-6093-RFX	S	Dual Crimp	-----	174, 188A, 316, 7805A	CTL-13	7.19	6.47	5.95
523—82-6097-RFX	S	Solder-Solder	-----	402 (.141") S/R	-----	7.25	6.57	5.80
Adapters and Accessories								
523—82-100	U	Plug to Plug	UG-57B/U	Straight, Silver Plated	-----	13.44	11.89	10.31
523—82-100-RFX	U	Plug to Plug	UG-57B/U	Straight, Nickel Plated	-----	7.64	6.88	6.25
523—82-101	W	Jack to Jack	UG-29B/U	Straight, Nickel Plated	-----	15.00	13.66	12.54
523—82-101-RFX	W	Jack to Jack	UG-29B/U	Straight, Nickel Plated	-----	4.35	4.06	3.25
523—82-65	W	Jack to Jack	UG-29A/U	Straight, Nickel Plated	-----	14.23	13.00	11.97
523—82-64	V	Jack to Plug	UG-27A/U	Right Angle, Mitre Body	-----	27.80	23.97	22.06
523—82-66-RFX	X	Jack to Jack	-----	Bulkhead	-----	5.01	4.56	4.18
523—82-64-RFX	V	Jack to Plug	-----	Right Angle, Cubic Body	-----	12.50	11.25	9.44
523—82-213	V	Jack to Plug	UG-27C/U	Right Angle, Cubic Body	-----	27.18	23.84	22.65
523—82-66	X	Jack to Jack	UG-30/U	Bulkhead, Pressurized	-----	22.83	20.67	18.89
523—82-99	Y	Jack-Jack-Jack	UG-28A/U	Tee Adapter	-----	70.32	64.26	59.16
523—82-106	--	Male Cap	-----	End Male Cap and Chain	-----	16.42	15.00	13.81
523—82-5722-RFX	--	Terminator	-----	Male Cap Resistor, 5%, 1 Watt	-----	5.78	5.25	4.82

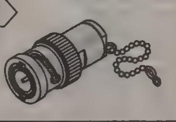
A

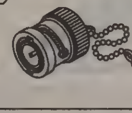
B


C


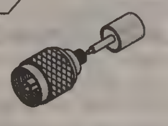
D


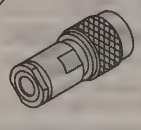
E


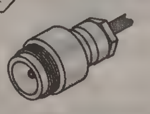
F


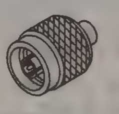
G


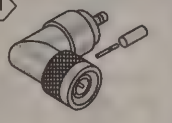
H

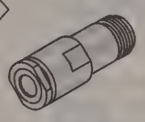
I


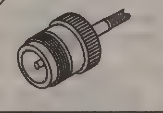
J


K


L


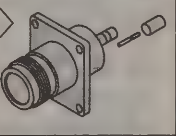
M


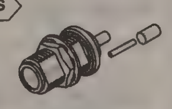
N


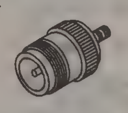
O


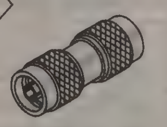
P

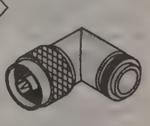
Q

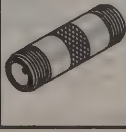
R


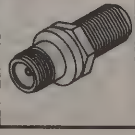
S


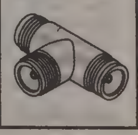
T


U


V


W


X


Y


RoHS Compliant This page of product is compliant.

TNC CONNECTORS

- Impedance: 50Ω
- Frequency Range: 0-11 GHz
- Temperature Range: -65° to 165°C
- Voltage Rating: 500 Volts Peak
- Mating: 7/16 Threaded Coupling
- RFX: Low cost commercial version

RoHS Compliant

* Amphenol CTL Crimp Tools

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	CTL* Tool Number	Price Each		
Mfr.	Mfr. Part No.						1	10	25
Straight Plugs									
523	31-2373	A	Dual Crimp	M23329/4-02,4-04	55,142,223,400	CTL-1	4.60	4.15	3.78
523	31-4452	A	Dual Crimp	M39012/26-0503	55, 142, 223, 400 (Silver Plating)	CTL-1	9.56	8.69	7.84
523	31-2367	A	Dual Crimp	M23329/4-01,4-03	58/A/C,141,303,LMR 195,7806A	CTL-1	5.28	4.80	4.33
523	31-2367-RFX	A	Dual Crimp	- - - - -	58/A/C,141,303,LMR 195,7806A	CTL-1	1.58	1.44	1.30
523	31-2315-RFX	A	Dual Crimp	- - - - -	174,188A,316,7805	CTL-2	1.86	1.69	1.52
523	31-2368	A	Dual Crimp	M23329/4-05	59,62,140,210,8241,8263,8279	CTL-1	4.98	4.53	4.08
523	36825	A	Dual Crimp	- - - - -	58, 141	CTL-1	5.20	4.73	4.33
523	31-6001-RFX	A	Crimp-Solder	- - - - -	LMR 400, Belden 7810A, 8214, 9913	CTL-4	7.50	6.80	6.00
523	79875	B	Clamp-Solder	- - - - -	55, 58, 141,142, 223, 400	-----	32.21	28.99	26.09
523	79875-RFX	B	Clamp-Solder	- - - - -	55, 58, 141,142, 223, 400	-----	2.98	2.35	2.13
Right Angle Plugs									
523	31-2381	C	Dual Crimp	- - - - -	55, 142, 223, 400	CTL-1	17.62	16.02	14.44
Jacks									
523	31-2300	D	Solder Cup	- - - - -	4 Hole Square Flange	-----	7.90	6.75	5.29
523	31-2301	E	Solder Cup	- - - - -	Bulkhead, Front Mount	-----	6.24	5.67	5.11
523	31-5660	F	PCB Mount	- - - - -	Right Angle Bulkhead, Metal Housing	-----	14.90	13.41	11.92
523	31-2318	G	Dual Crimp	- - - - -	Bulkhead, 174,188A,316,Belden 7805	CTL-2	11.06	10.05	9.07
523	31-2318-RFX	G	Dual Crimp	- - - - -	Bulkhead, 174,188A,316,Belden 7805	CTL-2	2.98	2.71	2.44
Adapters and Accessories									
523	31-4804	H	Jack to Jack	- - - - -	Bulkhead, Isolated	-----	13.60	12.36	11.15
523	78750	--	Male Cap	- - - - -	Cap and Chain	-----	8.90	8.09	7.30
523	79125	--	Jack to Plug	- - - - -	R/A In-Series	-----	39.96	36.33	32.75

TNC REVERSE POLARITY CONNECTORS

Reversed Center Pin Design (Will not mate with standard TNC connectors)

- Impedance: 50Ω
- Frequency Range: 0-14 GHz
- Temperature Range: -65° to 165°C
- Voltage Rating: 500 Volts Peak
- Mating: 7/16 Threaded Coupling

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	CTL* Tool Number	Price Each		
Mfr.	Mfr. Part No.						1	10	25
Straight Plugs									
523	31-5677	I	Dual Crimp	- - - - -	58, 58A, 58C, 141, 303, LMR 195, 7806A	CTL-1	6.82	6.15	5.60
523	31-5677-1000	I	Dual Crimp	- - - - -	55, 142, 223, 400	CTL-1	9.66	8.78	7.92
523	31-5679	I	Crimp-Solder	- - - - -	LMR 400, Belden 7810A, 8214, 9913	-----	10.30	9.36	8.44
Jacks									
523	31-5678	J	Dual Crimp	- - - - -	58, 58A, 58C, 141, 303, LMR 195, 7806A	CTL-1	14.38	13.07	11.79
523	31-5684	J	Crimp-Solder	- - - - -	LMR 400, Belden 7810A, 8214, 9913	-----	8.47	7.64	6.96
523	31-5685	K	Dual Crimp	- - - - -	2 Hole Flange, 178, 196, .071 Outer Diameter	-----	19.68	17.89	16.13
523	31-5687	L	Dual Crimp	- - - - -	Bulkhead, 58, 141, 303, LMR 195, 7806A	CTL-1	12.62	11.47	10.34
523	31-5686	L	Dual Crimp	- - - - -	Bulkhead, 178, 196, .071" O.D.	-----	9.96	9.05	8.16

* Amphenol CTL Crimp Tools

UHF CONNECTORS

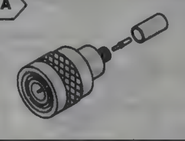
- Impedance: Non-constant
- Frequency Range: 0-300 MHz
- Temperature Range: -65° to 165°C (TFE Insulators)
- Voltage Rating: 500 Volts Peak
- Mating: 5/8-24 Threaded Coupling
- RFX: Low cost commercial version

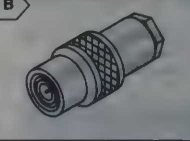
RoHS Compliant

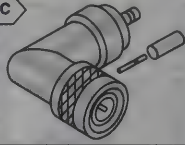
* Amphenol CTL Crimp Tools

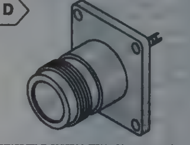
For quantities of 100 and up, call for quote.

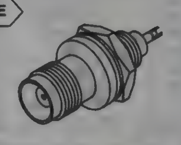
MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	CTL* Tool Number	Price Each		
Mfr.	Mfr. Part No.						1	10	25
Straight Plugs									
523	831SP	M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	-----	3.13	2.71	2.43
523	83-1SP-1050	M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	-----	3.11	2.58	2.05
523	83-1SP-15RFX	M	Solder-Solder	- - - - -	8, 9, 87A, 214, 313, 225	-----	2.04	1.84	1.50
523	83-822	M	Solder-Solder	PL-259	8, 9, 87A, 214, 313, 225	-----	4.75	3.84	3.33
523	83-750	M	Solder-Solder	UG-111/U	59, 62, 140, 210, 8241, 8279, 9209	-----	11.20	10.18	9.33
523	83-58DCP-2RFX	N	Dual Crimp	- - - - -	58, 58A, 58C, 141, 303, LMR 195, 7806A	CTL-1	4.10	3.46	3.28
523	83-58FCP	N	FCP-Pliers	- - - - -	58, 58A, 58C, 141, 303, LMR 195, 7806A	-----	14.09	12.68	11.41
523	83-58FCP-RFX	N	FCP-Pliers	- - - - -	58, 58A, 58C, 141, 303, LMR 195, 7806A	-----	2.80	2.21	2.00
Panel Receptacles									
523	83-1R	O	Solder Cup	SO-239	4-Hole Square Flange, PBT Insulator	-----	3.21	2.91	2.66
523	83-1R-RFX	O	Solder Cup	- - - - -	4-Hole Square Flange, PBT Insulator	-----	3.09	2.78	2.56
523	83-798	O	Solder Cup	SO-239A	4-Hole Square Flange, TFE Insulator	-----	4.85	4.35	3.85
Bulkhead Receptacles									
* 523	83-875-1002	P	Solder Cup	- - - - -	Front Mount, .156" Max Panel	-----	17.21	15.58	14.24
523	83-878	P	Solder Cup	- - - - -	Rear Mount, .187" Max Panel	-----	6.10	5.11	4.43
523	83-878-RFX	P	Solder Cup	- - - - -	Rear Mount, .187" Max Panel	-----	5.05	4.08	3.54
Adapters and Accessories									
523	83-185	Q	Cable Reducer	UG-175/U	Adapts RG-55, 58, 141, 142 Cable	-----	3.50	3.15	2.45
* 523	83-185-RFX	Q	Cable Reducer	- - - - -	Adapts RG-55, 58,141, 142 Cable	-----	.60	.53	.38
* 523	83-168-RFX	Q	Cable Reducer	- - - - -	Adapts RG-59, 62, 71, 140, 210 Cable	-----	.58	.46	.40
523	83-1J	R	Jack to Jack	PL-258	Straight Jack to Jack Adapter	-----	9.70	8.82	8.08
523	83-1F	S	Jack to Jack	UG-363/U	Bulkhead Jack to Jack, .890" Max Panel	-----	18.90	17.18	15.75
523	83-1AP	T	Jack to Plug	UG-646/U	Right Angle, Mitre Body	-----	13.14	11.95	10.95
523	83-1T	U	Jack-Plug-Jack	M-358	Tee Adapter	-----	16.26	14.78	13.55
523	83-765	V	Connect. Hood	UG-177/U	4-Hole Flange, 83-1R to RG 58, 141	-----	5.33	4.32	3.95
523	83-1H	V	Connect. Hood	UG-106/U	4-Hole Flange, 83-1R to RG 8, 10, 11, 12, 215	-----	5.58	5.15	4.79
523	83-1AC	W	Male Cap	- - - - -	Cap and Chain	-----	14.98	13.83	12.84

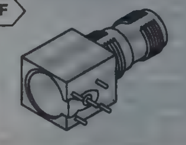
A


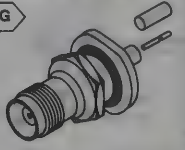
B


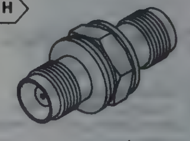
C


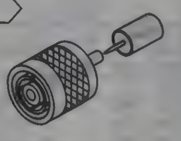
D


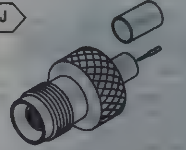
E


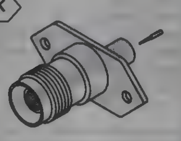
F


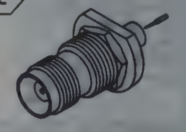
G


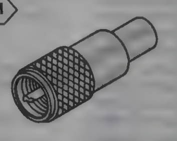
H


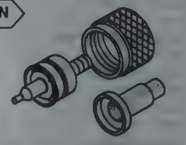
I


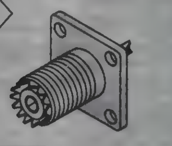
J


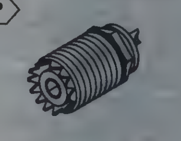
K


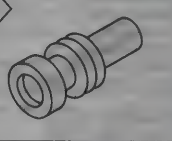
L


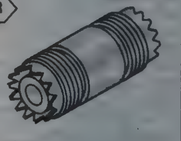
M


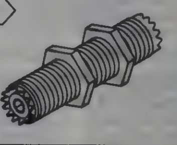
N


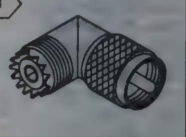
O


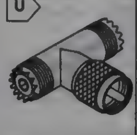
P


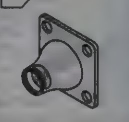
Q


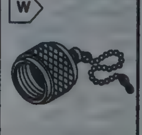
R


S


T


U


V


W


AMPHENOL RF Connectors

RoHS Compliant This page of product is compliant.

MCX CONNECTORS

- Impedance: 50Ω
- Frequency Range: 0-6 GHz
- Temperature Range: -65° to 165°C
- Connector Durability: 500 matings
- Mating: Quick snap-on coupling
- 30% smaller than SMB type
- Contact Plating: Gold

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each		
Mfr.	Mfr. Part No.						1	10	25
Straight Plugs									
523—	919-120P-51SX	A	Solder-Solder	Gold	.085" Semi Rigid, 405	-----	8.41	7.12	6.17
523—	919-121P-51SX	B	Crimp-Solder	Gold	178, 196, .071" Outer Diameter	CTL-13	7.30	6.17	5.35
523—	919-101P-51SX	B	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	7.00	6.12	4.70
523—	919-101P-51S1X	B	Crimp-Solder	Nickel	174, 188A, 316, Belden 7805	CTL-13	5.91	5.00	4.33
Right Angle Plugs									
523—	919-102P-51AX	C	Solder-Solder	Gold	.085" Semi Rigid, 405	-----	10.20	9.10	7.88
523—	919-103P-51AX	D	Solder-Solder	Gold	.141" Semi Rigid, 402	-----	10.75	9.10	7.88
523—	919-122P-51AX	E	Crimp-Solder	Gold	178, 196, .071" Outer Diameter	CTL-13	10.70	9.06	7.85
523—	919-104P-51AX	E	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	7.80	6.60	5.72
523—	919-104P-51A1X	E	Crimp-Solder	Nickel	174, 188A, 316, Belden 7805	CTL-13	7.27	6.54	5.88
Jacks									
523—	919-114J-51SX	F	Solder-Solder	Gold	.085" Semi Rigid, 405	-----	8.20	6.94	6.02
523—	919-107J-51SX	G	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	6.45	5.46	4.73
523—	919-107J-51S1X	G	Crimp-Solder	Nickel	174, 188A, 316, Belden 7805	CTL-13	6.02	5.10	4.42
523—	919-109J-51PX	H	PCB Mount	Gold	Vertical, .155" Legs	-----	5.28	4.65	4.03
523—	919-119J-51AX	I	PCB Mount	Gold	Right Angle, .155" Legs	-----	6.14	5.19	4.71
523—	919-118J-51P	J	Vertical SMT	Gold	Surface Mount, .232" x .232" Base	-----	7.32	6.19	5.37

* Amphenol CTL Crimp Tools

MICROMATE™ MMCX CONNECTORS

- Impedance: 50Ω
- Frequency Range: 0-6 GHz
- Amphenol's smallest RF connector line
- Contact Plating: Gold
- Temperature Range: -40° to 90°C
- Connector Durability: 500 matings
- Mating: Quick snap-on coupling

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each		
Mfr.	Mfr. Part No.						1	10	25
Straight Plugs									
523—	908-41400	K	Solder-Solder	Gold	.085" Semi Rigid, 405	-----	25.60	23.27	20.65
523—	908-41200	L	Crimp-Solder	Gold	178, 196, .071" Outer Diameter	CTL-13	9.76	8.87	7.87
523—	908-41300	L	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	8.72	7.93	7.03
523—	908-21100	M	End Launch	Gold	PCB , Machined Construction	-----	9.62	8.75	7.76
Right Angle Plug									
523—	908-43200	N	Crimp-Solder	Gold	178, 196, .071" Outer Diameter	CTL-13	7.42	6.75	5.98
523—	908-43300	N	Crimp-Solder	Gold	174, 188A, 316, Belden 7805	CTL-13	6.92	6.36	5.90
Jacks									
523—	908-22106	O	PCB Mount	Gold	Vertical, Machined Construction	-----	12.54	11.40	10.11
523—	908-22101	P	Vertical SMT	Gold	Surface Mount, .170" x .170" Base	-----	4.42	4.02	3.56
523—	908-24100	Q	PCB Mount	Gold	Right Angle, .020" Mounting Posts	-----	12.68	11.53	10.23

* Amphenol CTL Crimp Tools

SLIMLINE MINI BNC CONNECTORS

- Working Voltage: 400 VAC, peak
- Impedance: 75Ω
- Body Material: Brass with nickel or gold plating
- Contact Plating: Gold
- Reduced footprint size allows 40% more connections in the same area
- Crimp/Crimp Design-Compatible to Trompeter tooling
- Same Standard Industry Installation Telco DS3 Tooling

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	Price Each		
Mfr.	Mfr. Part No.					1	10	25
Straight Plugs								
523—	31-70257	R	Dual Crimp	Nickel	6, .295" Outer Diameter, Belden 1694A, 9248	7.67	6.78	5.98
523—	31-70259	R	Dual Crimp	Nickel	AT&T 734, 734A, Belden 1505A	7.67	6.78	5.98
523—	31-70251	R	Dual Crimp	Nickel	AT&T 735, 735A, Belden 735A1	6.78	5.98	5.52
523—	31-70260	R	Dual Crimp	Nickel	Belden 8218, 88281	7.67	6.78	5.98
523—	31-70261	R	Crimp-Solder	Nickel	179, 187, Belden 9221	7.67	6.78	5.98
Jacks								
523—	31-70249	S	PCB Mount	Nickel	Vertical, .054" Mounting Posts	4.59	4.06	3.58
523—	31-70250	S	PCB Mount	Gold	Vertical, .054" Mounting Posts	4.78	4.41	4.03
523—	31-6055	T	PCB Mount	Nickel	Right Angle Bulkhead, .071" Max Panel	8.04	7.11	6.27
523—	31-70255	U	PCB Mount	Nickel	Right Angle, .054" Mounting Posts	7.13	6.30	5.56

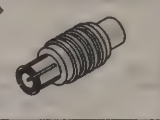
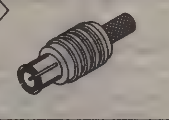
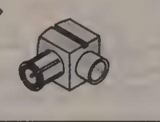
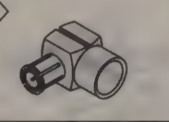
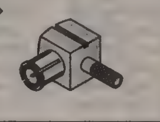
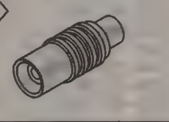
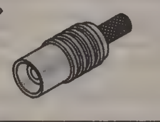
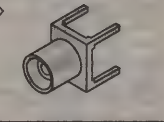
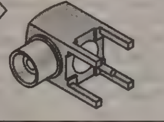
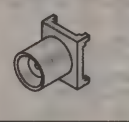
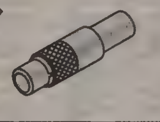
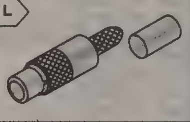
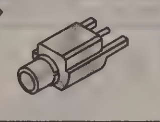
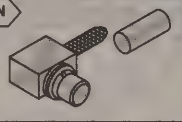
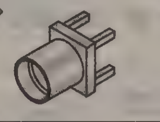
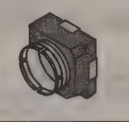
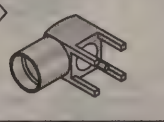
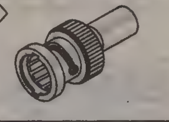
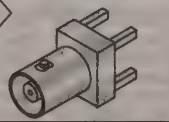
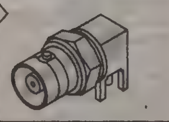
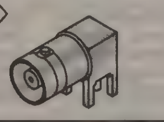
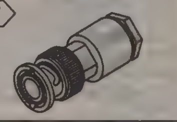
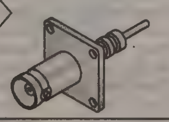
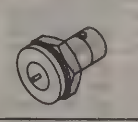
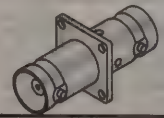
MHV HIGH VOLTAGE WEATHER PROOF CONNECTORS

- Body Plating: Brass
- Contact Plating: Brass, unless noted by * Beryllium

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	MIL Type	RG Cable/ Description	Price Each		
Mfr.	Mfr. Part No.					1	10	25
Plugs								
523—	29100	V	Clamp	- - - -	55, 58, 141, 142	13.04	11.54	10.17
523—	28000	V	Clamp	UG-932	59, 62, 71, 140, 210	12.98	11.48	10.12
Receptacles								
* 523—	27000	W	Solder Cup	UG-931	4-Hole Flange, Rear Mount	11.91	10.54	9.29
* 523—	27025	X	Turret Contact	- - - -	Bulkhead Receptacle	33.89	29.98	26.42
Adapter								
* 523—	12650	Y	Jack to Jack	- - - -	Square Flange Feed Through	81.89	72.44	63.85

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y


SMA STAINLESS STEEL BODY RF CONNECTORS

Specifications:
- Freq. Range: 0-18GHz Semi-Rigid cable
  0-12.4GHz Flexible cable
- Insulators: TFE fluorocarbon
- Connector Durability: 500 matings
- Impedance: 50Ω
- Center Contact: gold plated
- Mating Coupling: .250-36 threaded coupling

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each		
Mfr.	Mfr. Part No.						1	10	25
Straight Plugs									
523	9019723	A	Sold.-Plugable	Passivated Nut	.085" S/R, 405 (M17/133)	---	9.33	7.64	6.46
523	901-9808	A	Sold.-Plugable	Gold Body	.141" S/R, 402 (M17/130)	---	9.33	7.64	6.46
523	901-9511-1	B	Crimp-Solder	Gold	55, 142, 223, 400	CTL-1	14.64	11.98	10.13
523	901-9511-1SF	B	Crim -Solder	Passivated	55, 142, 223, 400	CTL-1	12.36	10.11	8.56
523	901-9511-3	B	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-13	12.03	9.84	8.33
523	90195113SF	B	Crimp-Solder	Passivated	174, 188A, 316, 7805	CTL-13	9.47	7.75	6.56
523	901-9601-3	D	Crimp-Solder	Gold	174, 188A, 316, 7805	---	29.19	23.89	20.21
523	90196013SF	D	Crimp-Solder	Passivated	174, 188A, 316, 7805	---	17.79	14.68	13.21
Right Angle Plugs									
523	901-9531-1	C	Crimp-Solder	Gold	55, 142, 223, 400	CTL-9	19.17	15.68	13.27
523	901-9531-3	C	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-9	17.00	13.91	11.77
523	90195313SF	C	Crimp-Solder	Passivated	174, 188A, 316, 7805	CTL-9	9.50	8.02	7.21
Jacks									
523	901-9610-1SF	E	Crimp-Solder	Passivated	Bulkhead, 55, 142, 223, 400	---	38.67	31.64	26.77
523	901-9610-3	E	Crimp-Solder	Gold	Bulkhead, 174, 188A, 316, 7805	---	26.42	21.61	18.29
523	901-9610-3SF	E	Crimp-Solder	Passivated	Bulkhead, 174, 188A, 316, 7805	---	23.83	19.50	16.50
523	901-144	F	PCB Mount	Gold	Vertical, .155" Legs	---	11.78	9.64	8.15
523	901-143	G	PCB Mount	Gold	Right Angle, .155" Legs	---	10.88	8.98	8.09
523	901-143-3	G	PCB Mount	Gold	Rt. Angle, .155" Solder Dipped Legs	---	24.04	19.84	17.86
523	901-9215	H	Solder Cup	Gold	4-Hole Square Flange	---	23.83	21.77	20.05
523	901-9211	I	Solder Cup	Gold	Bulkhead, Rear Mount Hex Flange	---	30.74	27.66	24.89
523	9019220	J	Blunt Post	Gold	Bulkhead, Front or Rear Mount	---	11.30	9.72	8.97
523	9019220SF	J	Blunt Post	Passivated	Bulkhead, Front or Rear Mount	---	12.48	11.34	10.40
523	901-9841	K	Post Terminal	Gold	Bulkhead, .250"-36 Hex Flange	---	10.34	9.51	8.75
In-Series and Between Series Adapters									
523	901-9209-A	L	SMA to SMA	Gold	Bulkhead Jack to Jack	---	20.33	16.64	14.08
523	9019209ASF	L	SMA to SMA	Passivated	Bulkhead Jack to Jack	---	18.11	14.82	12.54
523	9019217	M	SMA to SMA	Gold	Straight Jack to Jack	---	41.00	39.00	36.00
523	901-167	N	BNC to SMA	Nickel	BNC Jack to SMA Jack	---	41.88	38.38	33.75
523	901-166	O	BNC to SMA	Nickel	BNC Jack to SMA Plug	---	56.00	54.29	50.00
523	901-165	–	BNC to SMA	Nickel	BNC Plug to SMA Jack	---	50.87	46.01	39.60

* Amphenol CTL Crimp Tools

SMA BRASS BODY RF CONNECTORS

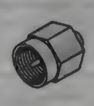
Specifications:
- Freq. Range: 0-18GHz Semi-Rigid cable
  0-12.4GHz Flexible cable
- Insulators: TFE fluorocarbon
- Connector Durability: 100 matings
- Impedance: 50Ω
- Center Contact: gold plated
- Mating Coupling: .250-36 threaded coupling
- RFX: Low cost commercial version

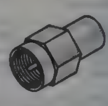
RoHS Compliant

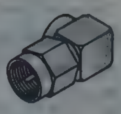
* Amphenol CTL Crimp Tools

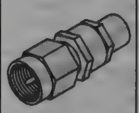
For quantities of 100 and up, call for quote.

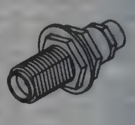
MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each		
Mfr.	Mfr. Part No.						1	10	25
Straight Plugs									
523	901-9867-RFX	A	Solder-Solder	Gold	.085" S/R, 405 (M17/133)	---	3.53	2.89	2.44
523	901-9870	P	Crimp-Solder	Gold	58A/C, 141, 303, LMR 195,7806A	CTL-1	4.66	4.22	3.85
523	901-9871	P	Crimp-Solder	Gold	141, 142, 223, 303, 400	CTL-1	8.67	7.09	6.00
523	901-9876-RFX	P	Crimp-Solder	Nickel	58 A/C, 141, 303, LMR 195,7806A	CTL-1	2.54	2.27	2.06
523	901-9877-RFX	P	Crimp-Solder	Nickel	174, 188A, 316, 7805	CTL-9	2.56	2.05	1.90
523	901-9916	P	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-9	7.22	5.91	5.00
Right Angle Plugs									
523	901-9872	Q	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-9	8.21	7.36	6.67
523	901-9873	Q	Crimp-Solder	Gold	58A/C, 141, 303, LMR 195,7806A	CTL-9	14.61	11.95	10.12
523	901-9874	Q	Crimp-Solder	Gold	141, 142, 223, 303, 400	CTL-1	8.99	8.09	7.28
523	901-9880-RFX	Q	Crimp-Solder	Nickel	58A/C, 141, 303, LMR 195,7806A	CTL-1	6.94	5.68	4.81
523	901-9881-RFX	Q	Crimp-Solder	Nickel	174, 188A, 316, 7805	CTL-9	4.64	3.73	3.24
Jacks									
523	901-9875	R	Crimp-Solder	Gold	174, 188A, 316, 7805	CTL-13	8.20	7.55	6.95
523	901-9879-RFX	R	Crimp-Solder	Nickel	174, 188A, 316, 7805	CTL-13	5.87	5.32	4.86
523	901-9893-RFX	S	Solder Cup	Nickel	2-Hole Panel Receptacle	---	4.65	3.78	3.27
523	901-9891-RFX	T	Blunt Post	Nickel	2-Hole Panel Receptacle	---	6.94	5.98	5.78
523	901-9892-RFX	H	Solder Cup	Nickel	4-Hole Square Panel Flange	---	7.94	6.50	5.50
523	901-9887-RFX	H	Blunt Post	Nickel	4-Hole Square Panel Flange	---	8.73	7.38	6.10
523	901-9889-RFX	I	Solder Cup	Nickel	Bulkhead, Front Mount	---	5.41	4.92	4.56
523	901-9890-RFX	I	Solder Cup	Nickel	Bulkhead, Rear Mount	---	4.56	4.33	4.18
PCB Mount									
523	901-9895-RFX	U	PCB Plug	Gold	Vertical, .155" Legs	---	6.08	4.98	4.21
523	901-9894-RFX	V	PCB Plug	Gold	Right Angle, .155" Legs	---	6.41	5.81	5.31
523	901-144-6RFX	F	PCB Jack	Gold	Vertical, .155" Legs	---	3.66	2.46	2.26
523	901-143-6RFX	G	PCB Jack	Gold	Right Angle, .155" Legs	---	5.13	4.12	3.79
523	901-10003	W	PCB Jack	Gold	End Launch for .062" Thick PCB	---	12.57	11.32	10.29

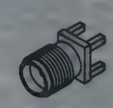
A


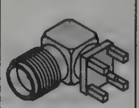
B


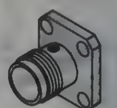
C


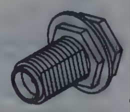
D


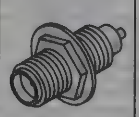
E


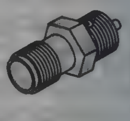
F


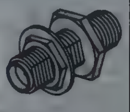
G


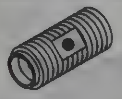
H


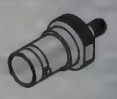
I


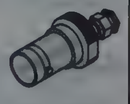
J


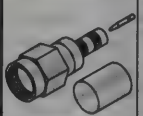
K


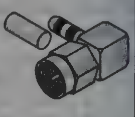
L


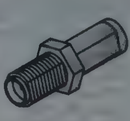
M


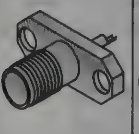
N


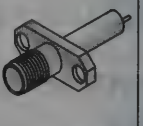
O


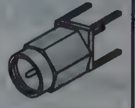
P


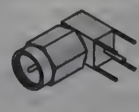
Q


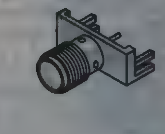
R


S


T


U


V


W


AMPHENOL AMC CONNECTORS

Features:
- Easy snap-on / snap-off mating
- Ultra low-profile (2.5mm mating height)
- Small footprint (3mm x 3mm)
- 100% Compatible with Hirose U.FL series ✻✻

Specifications:
- Impedance: 50Ω
- Frequency Range: 0-6 GHz
- V.S.W.R.: 1.3 max DC to 3 GHz, 1.4 max 3 to 6 GHz
- Temperature Range: - 40°C to +90°C
- Durability: 30 cycles
- Mating Female contact holding force: 0.15 N min
- Body Material: Silver over Phosphor Bronze

Applications:
- WLAN
- Bluetooth
- PDA
- Notebook computers
- GPS
- Portable Devices
- Remote Measuring Equipment

RoHS Compliant

✻✻ Hirose and U.FL are registered trademarks of Hirose Electric U.S.A. Hirose is not in any way affiliated with the AMC product.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	10	25
Receptacles						
523-A-1JA-CR	A-1JA-CR	A	Vertical SMT Plug Receptacle (Cut Reel)	.89	.73	.64
523-A-1JB	A-1JB	A	AMC PCB Jack Surface Mount T&R	.94	.85	.72
Adapters						
523-31-6101	31-6101	B	AMC Plug to TNC-RP Jack, 2 Hole Flange	11.39	10.40	9.41
523-31-6109	31-6109	C	AMC Plug to BNC -RP Jack, Bulkhead Front Mount	8.53	7.79	7.05
523-31-6112	31-6112	D	AMC Plug to TNC -RP Jack, Bulkhead Front Mount	11.58	10.53	9.65
523-901-10097	901-10097	E	AMC Plug to SMA-RP Jack, Bulkhead Rear Mount	6.13	4.48	4.08
Cable Assemblies						
523-A-1PA-113-100G2	A-1PA-113-100G2	F	100 mm, Right Angle Plug Jumper, Gray Cable	3.39	2.93	2.65
523-A-1PA-113-125W2	A-1PA-113-125W2	F	125 mm, Right Angle Plug Jumper, White Cable	3.54	3.09	2.78
523-A-1PA-113-150B2	A-1PA-113-150B2	F	150 mm, Right Angle Plug Jumper, Black Cable	3.14	2.87	2.60
523-A-1PA-113-300B2	A-1PA-113-300B2	F	300 mm, Right Angle Plug Jumper, Black Cable	3.47	3.02	2.73

AMPHENOL QMA CONNECTORS

QMA is a quick disconnect version of the SMA connector. Instead of using a threaded coupling mechanism, a new snap-lock mechanism is used.

Features:
- Operates at the same electrical performance as SMA
- Snap-on interface for quick and easy installation (can be installed 10x faster that SMA)
- Snap-Lock mechanism removes requirement for wrench clearance, allowing for denser packaging
- Rotatable 360° after connection

Specifications:
- Impedance: 50Ω
- Frequency Range: 0-6 GHz
- V.S.W.R.: 1.05 max DC to 3 GHz, 1.12 max 3 to 6 GHz
- Temperature Range: - 40°C to +80°C
- Body Material: White Bronze over Brass
- Durability: 100 cycles
- Power Handling: 125W at 40°C

Applications:
- Base Stations
- Instrumentation
- Process Controls
- Cable Assemblies
- Mil/Aero
- Telecom
- Components
- PC/LAN

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description / Cable Type	Crimp Tool	Price Each		
					1	10	25
Plugs							
523-930-119P-51S	930-119P-51S	G	Straight Solder Plug, .086 Semi-Rigid	-	8.27	7.44	6.72
523-930-108P-51S	930-108P-51S	G	Straight Solder Plug, .141 Semi-Rigid	-	8.27	7.44	6.72
523-930-120P-51S	930-120P-51S	G	Straight Crimp Plug, RG-58	CTL-1	7.98	7.19	6.47
523-930-129P-51S	930-129P-51S	G	Straight Crimp Plug, RG-316	CTL-9	8.88	7.98	7.19
523-930-115P-51S	930-115P-51S	G	Straight Crimp Plug, RG-316DB	CTL-13	8.88	7.98	7.19
523-930-104P-51A	930-104P-51A	H	Right Angle Solder Plug, .086 Semi-Rigid	-	11.96	10.87	10.31
523-930-103P-51A	930-103P-51A	H	Right Angle Solder Plug, .141 Semi-Rigid	-	8.71	7.83	7.04
523-930-110P-51A	930-110P-51A	H	Right Angle Crimp Plug, RG-58	CTL-1	12.18	11.07	10.15
523-930-114P-51A	930-114P-51A	H	Right Angle Crimp Plug, RG-316DB	CTL-13	8.86	7.97	7.17
PCB Jacks							
523-930-128J-51P	930-128J-51P	I	Right Angle Jack	-	8.95	8.06	7.24
523-930-116J-51P	930-116J-51P	J	Vertical Jack Thru-Hole, .158" Legs	-	9.60	8.83	8.12
523-930-107J-51P	930-107J-51P	K	Vertical Jack Surface Mount Thru-Hole	-	6.11	5.49	4.94
Adapters							
523-930-100A-51S	930-100A-51S	L	QMA Jack to SMA Jack	-	51.20	47.52	41.18
523-930-101A-51S	930-101A-51S	M	QMA Plug to SMA Jack	-	54.55	49.09	44.19
523-930-130A-51S	930-130A-51S	N	QMA Plug to SMA Plug	-	62.54	57.13	51.22
523-930-131A-51S	930-131A-51S	O	QMA Jack to SMA Plug	-	59.21	49.85	42.77

AMPHENOL SMP CONNECTORS

The SMP interface is a subminiature interface in the same scale as MMCX connectors but offers a frequency range of DC to 40GHz. It is commonly used in miniaturized high frequency coaxial modules and is offered in both push-on and snap-on mating styles.

RoHS Compliant

Features:
- RF performance DC to 40GHz
- Designed to accommodate both radical and axial misalignment
- Push-on and Snap-on mating styles for quick installation

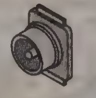
Specifications:
- Impedance: 50Ω
- V.S.W.R: 1.50 max 0-20 GHz
- Temperature Range -65°C to +155°C
- Contacts: Gold-plated brass, Gold plated beryllium copper
- Mating Cycles: 100 with full detent, 500 with limited detent
- Body Material: Gold plated brass, Gold Plated beryllium copper

Applications:
- Aerospace
- Routers
- Broadband
- Board to Board Interconnect
- Telecom
- Instrumentation
- Phased array antennas

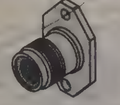
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description / Cable	Termination	Price Each		
					1	10	25
Plugs							
523-SMP-MSLD-PCT	SMP-MSLD-PCT	P	Vertical PCB Plug, Thru-Hole, Limited Detent	PCB Mount	14.53	12.91	8.63
523-SMP-MSLD-PCS	SMP-MSLD-PCS	Q	Vertical PCB Plug, SMT, Limited Detent	PCB Mount	11.10	9.62	9.00
523-SMP-MSLD-PCR	SMP-MSLD-PCR	Q	Vertical PCB Plug, Rear Mount, Limited Detent	PCB Mount	14.53	12.91	10.96
523-SMP-MSSB-PCT	SMP-MSSB-PCT	R	Vertical PCB Plug, Thru-Hole, Smooth Bore	PCB Mount	14.53	12.91	10.96
523-SMP-MSSB-PCS	SMP-MSSB-PCS	S	Vertical PCB Plug, SMT, Smooth Bore	PCB Mount	10.69	9.62	9.14
523-SMP-MSSB-PCR	SMP-MSSB-PCR	S	Vertical PCB Plug, Rear Mount, Smooth Pure	PCB Mount	14.53	12.91	10.96
Jacks							
523-SMP-FR-C06	SMP-FR-C06	T	Right Angle Cable Jack to .047 Semi-Rigid	Solder / Solder	15.90	14.13	12.00
523-SMP-FR-C07	SMP-FR-C07	U	Right Angle Cable Jack to RG 405, .086 Semi-Rigid	Solder / Solder	15.90	14.13	12.00
523-SMP-FS-C06	SMP-FS-C06	V	Straight Cable Jack to .047 Semi-Rigid	Solder / Solder	15.90	12.60	9.45
523-SMP-FS-C07	SMP-FS-C07	W	Straight Cable Jack to RG 405, .086 Semi-Rigid	Solder / Solder	15.90	14.13	12.00
Adapters							
523-SMP-FSBA-645	SMP-FSBA-645	X	Straight SMP Jack to SMP Jack, 6.45mm	- - -	14.13	12.28	10.70
523-SMP-FSBA-990	SMP-FSBA-990	X	Straight SMP Jack to SMP Jack, 9.9mm	- - -	14.98	13.31	11.30
523-SMP-FSBA-145	SMP-FSBA-145	X	Straight SMP Jack to SMP Jack, 14.5mm	- - -	15.88	14.11	11.98
523-SMP-FSBA-224	SMP-FSBA-224	X	Straight SMP Jack to SMP Jack, 22.4mm	- - -	15.88	12.75	9.56

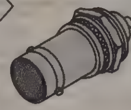
A



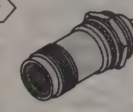
B



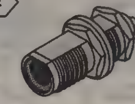
C



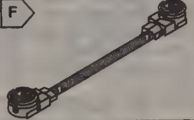
D



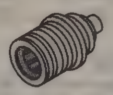
E



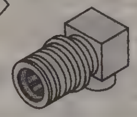
F



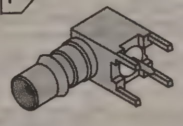
G



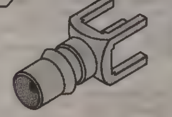
H



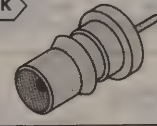
I



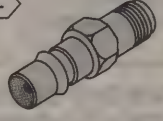
J



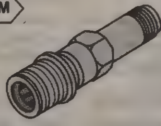
K



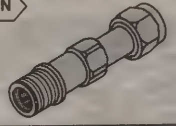
L



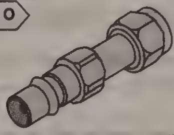
M



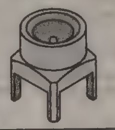
N



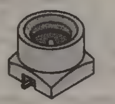
O



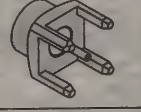
P



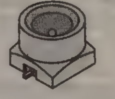
Q



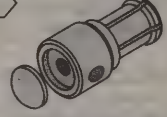
R



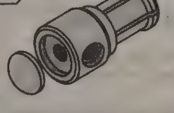
S



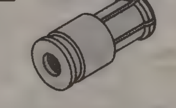
T



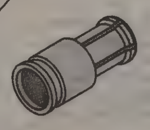
U



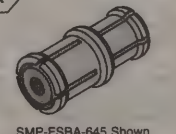
V



W



X



SMP-FSBA-645 Shown

RoHS Compliant **This page of product is compliant.**

SMB RF CONNECTORS

- Impedance: 50Ω
- Frequency Range: 0-4 GHz
- Center Contacts: Gold Plated
- Insulators: TFE fluorocarbon
- Connector Durability: 500 matings
- Mating: Rapid Snap-on coupling, per MIL-STD-348

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating	RG Cable/ Description	CTL* Tool No.	Price Each			
Mfr.	Mfr. Part No.						1	10	25	100
Straight Plugs										
523	903-370P-51S	A	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805	CTL-13	8.48	7.50	6.72	6.00
523	903-285P-51S	A	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805	CTL-13	10.65	9.42	8.45	7.54
523	903-371P-51S	A	Crimp-Solder	Nickel	178, 196, (.071" Outer Diameter)	CTL-13	8.94	8.02	7.15	6.64
523	903-287P-51S	A	Crimp-Solder	Gold	178, 196, (.071" Outer Diameter)	CTL-13	14.19	12.72	11.35	10.54
Right Angle Plugs										
523	903-367P-51A	B	Crimp-Solder	Nickel	174, 179, 187, 188, 316, 7805	CTL-13	11.98	10.60	9.50	8.48
523	903-367P-51A2	B	Crimp-Solder	Nickel (Die cast)	174, 179, 187, 188, 316, 7805	CTL-13	5.15	4.56	4.09	3.65
523	903-289P-51A	B	Crimp-Solder	Gold	174, 179, 187, 188, 316, 7805	CTL-13	11.43	10.12	9.07	8.09
523	903-289P-51A2	B	Crimp-Solder	Gold (Die cast)	174, 179, 187, 188, 316, 7805	CTL-13	4.06	3.64	3.29	2.94
523	903-368P-51A	B	Crimp-Solder	Nickel	178, 196, (.071" Outer Diameter)	CTL-13	13.06	11.71	10.45	9.70
523	903-291P-51A	B	Crimp-Solder	Gold	178, 196, (.071" Outer Diameter)	CTL-13	14.63	13.12	11.71	10.87
PCB Mount										
523	903-415J-51P	C	PCB Jack	Gold	Vertical, .155" Legs, .250" Sq. Base	----	7.43	6.58	5.90	5.26
523	903-499J-51P2	C	PCB Jack	Gold (Die cast)	Vertical, .155" Legs, .250" Sq. Base	----	3.52	3.22	2.88	2.67
523	903-373J-51A	D	PCB Jack	Gold	Right Angle, .155" Legs, .312" Base	----	6.00	5.38	4.80	4.46
523	903-413J-51A	E	PCB Jack	Gold	Right Angle Bulkhead, .155" Legs	----	12.11	10.71	9.60	8.57

* Amphenol CTL Crimp Tools

MINI-UHF CONNECTORS

- Impedance: 50Ω
- Frequency Range: 0-2.5 GHz
- Temperature Range: -55° to 85°C (TFE Insulators)
- Voltage Rating: 335 Volts Peak
- Mating: 3/8-24 Threaded Coupling

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating Body / Contact	RG Cable/ Description	CTL* Tool No.	Price Each			
Mfr.	Mfr. Part No.						1	10	25	100
Plug										
523	81-115N-1000	F	Crimp-Crimp	Nickel / Gold	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-5	3.31	2.67	2.32	2.07
Receptacles										
523	81-116	G	Crimp-Crimp	Nickel / Tin-Lead	58, 58A, 58C, 141, 303, LMR 195, Belden 7806A	CTL-5	5.73	5.15	4.63	4.19
523	81-120	H	Solder Cup	Nickel / Gold	Straight Rear Mount Bulkhead	-----	2.17	1.67	1.19	.99
523	81-119-1007	I	PCB Mount	Nickel / Tin-Lead	Right Angle Bulkhead, .125" Max Panel Thickness	-----	4.77	4.38	3.72	3.25

* Amphenol CTL Crimp Tools

TWIN BNC CONNECTORS

- Impedance: 75Ω and 95Ω Cables
- Frequency Range: 0-100MHz
- Weatherproof: When mated
- Insulators: TFE (High Temp.) or Noryl
- Mating Coupling: two stud Bayonet Polarized

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating Body / Contact	RG Cable/ Description	CTL* Tool No.	Price Each			
Mfr.	Mfr. Part No.						1	10	25	100
Plugs										
523	31-224	J	Clamp-Solder	Nickel / Gold	RG 108A, Noryl Insulator	-----	10.85	8.68	7.11	6.29
523	31-2226	J	Clamp-Solder	Nickel / Gold	RG 108A, TFE Insulator	-----	16.40	13.77	12.17	11.51
Jacks										
523	31-223	K	Solder Cup	Nickel / Silver	Bulkhead, Front Mount, Noryl Insulator	-----	17.06	15.62	13.81	13.05
523	31-2225	K	Solder Cup	Nickel / Silver	Bulkhead, Front Mount, TFE Insulator	-----	14.11	12.48	11.79	11.33

* Amphenol CTL Crimp Tools

TWIN-AXIAL WEATHER PROOF CONNECTORS

- Frequency Range: 0-200 MHz
- Impedance: 78Ω amd 95Ω Cables
- RFX: Low cost commercial version
- Weatherproof: When mated
- Mating Coupling: 3/4-20 Threaded keyway polarization

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Attachment Outer-Inner	Plating Body / Contact	RG Cable/ Description	Price Each			
Mfr.	Mfr. Part No.					1	10	25	100
Plugs									
523	82-5589-RFX	L	Clamp-Solder	Nickel / Gold	Belden 9207, IBM 7362211, Times Types	5.40	4.99	4.56	4.25
Receptacles									
523	82-5590-RFX	M	Solder Cup	Nickel / Gold	Bulkhead, Front Mount, .295" Panel	8.47	7.77	7.17	6.65
523	82-5588-RFX	N	Jack to Jack	Nickel / Gold	Straight Barrel Adapter	7.63	6.10	5.63	5.23

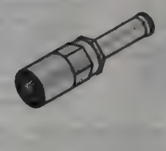
CTL CRIMP TOOLS

- Amphenol CTL series crimp tools are sold complete as a handle with the die set included.

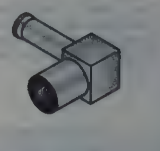
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Fig.	Connector Types	Cable RG-/U	Price
Mfr.	Mfr. Part No.				1
523	CTL-1	O	BNC, TNC 3-Piece	55, 58, 59, 62, 140, 141, 142, 210, 223, 303, 400, Belden 9258, 9259, 9907, 8990, Plenum 59 and 62	61.46
523	CTL-2	O	BNC, TNC 3-Piece	6, Plenum 58, 174, 179, 187, 188, 316, Belden 8281	61.46
523	CTL-3	O	Type N 3-Piece	8, 11, 55, 58, 141, 142, 149, 213, 214, 223, 225, 303, 393, 400, Ethernet Cables	57.36
523	CTL-4	O	Center Contacts of Twinax	Belden 8227, 9207, 89207, IBM 7362211 Twinax Cable	57.00
523	CTL-5		BNC, TNC, Mini-UHF, N	55, 58, 59, 62, 140, 141, 142, 210, 223, 303, 400, Belden 9258, 9259, 9907, 89907, Plenum 59 and 62	61.46
523	CTL-6	O	BNC, TNC 3-Piece	59, 62, 174, Plenum 59, Plenum 62	84.76
523	CTL-8	O	BNC, TNC 3-Piece	6, 59, 62, Plenum 59, Plenum 62	271.46
523	CTL-9	O	SMA	174, 188, 180, 360	117.64
523	CTL-11	O	Type N 3-Piece	Belden 9913, 9914, LMR 400, 7810A	206.21
523	CTL13	O	MMCX, SMA, SMB	174, 178, 188, 196, 316, RD-316	145.49
523	227-T1200	--	True 75 OHM BNC	Belden 8218, 179DT, 8281, 1694A, RG-179, 187, RG59, 734A,735A, RG-174, 316	129.41

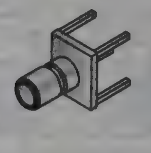
A



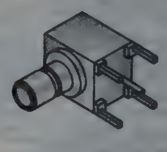
B



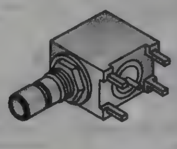
C



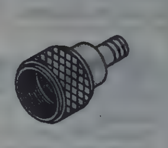
D



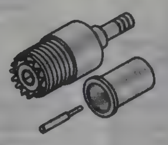
E



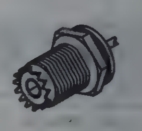
F



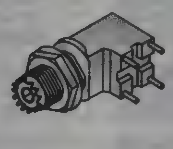
G



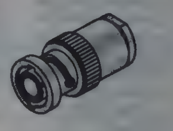
H



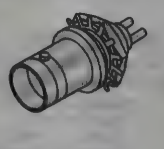
I



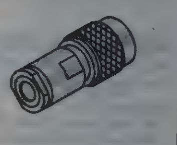
J



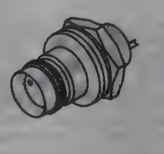
K



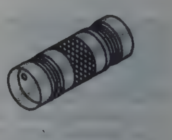
L



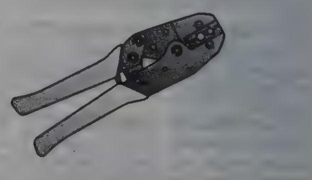
M



N

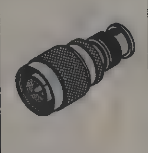
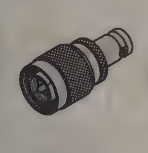
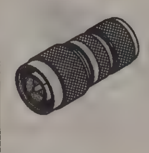
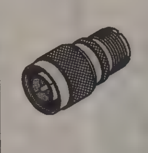
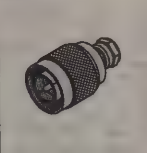
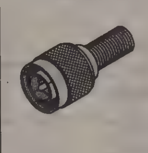
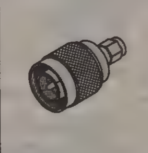
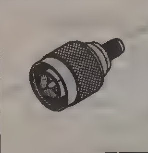
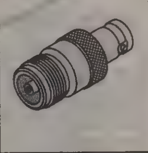
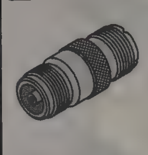
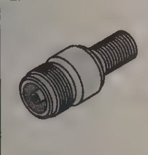
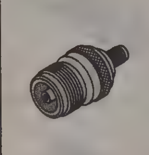
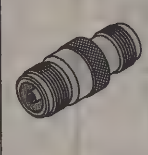
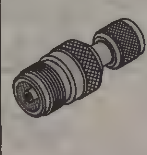
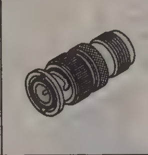
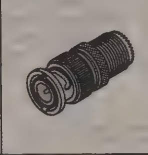
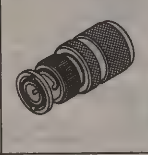
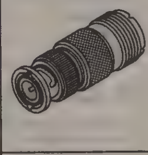
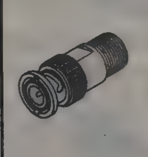
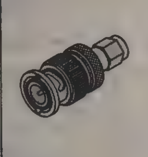
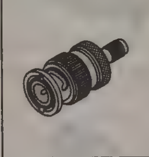
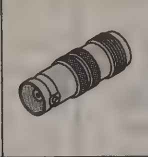
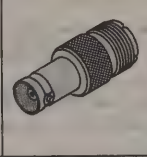
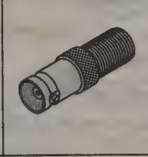
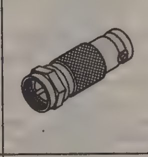
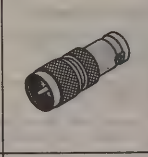
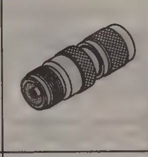
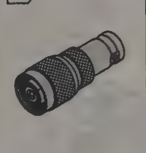
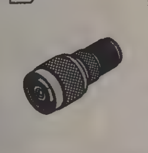
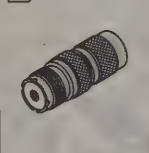
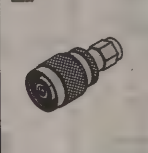
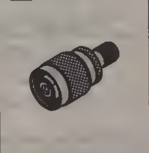
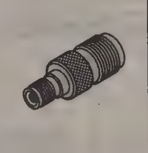
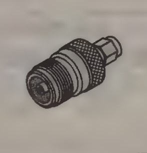
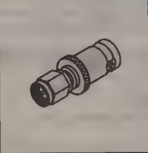
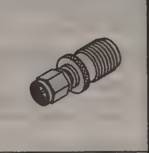
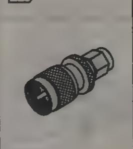
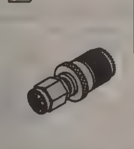
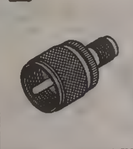
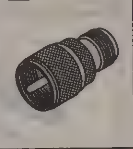
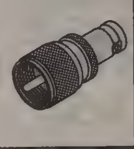
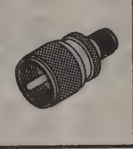
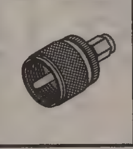
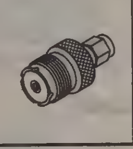
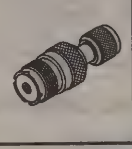
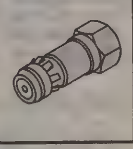


O



BOMAR Between Series Adapters

BOMAR
INTERCONNECT PRODUCTS, INC.

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC

DD

EE

FF

GG

HH

II

JJ

KK

LL

MM

NN

OO

PP

QQ

RR

SS

TT


Between series adapters solve a variety of connection problems where connectors of different types could ordinarily not be mated together. Each adapter has a different type coupling at each end allowing for a wide variety of interconnections to fit almost all interconnection situations. All adapters are constructed of machined brass and are nickel plated.

- RoHS Compliant per Bomar documentation

RoHS Compliant

Type N Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each			
				1	10	25	50
678-1303505	1303505	A	N Plug to BNC Plug	8.90	7.79	7.19	6.45
678-1313505	1313505	B	N Plug to BNC Jack	7.33	6.42	5.92	5.31
678-1307505	1307505	C	N Plug to UHF Plug	7.33	6.42	5.92	5.31
678-1317505	1317505	D	N Plug to UHF Jack	9.95	8.71	8.04	7.21
678-1308505	1308505	E	N Plug to F Plug	7.07	6.19	5.71	5.12
678-1318505	1318505	F	N Plug to F Jack	8.38	7.33	6.77	6.07
678-1309505	1309505	G	N Plug to SMA Plug	8.07	7.06	6.52	5.84
678-1319505	1319505	H	N Plug to SMA Jack	7.60	6.65	6.13	5.50
678-1323505	1323505	I	N Jack to BNC Jack	8.90	7.79	7.19	6.45
678-1327505	1327505	J	N Jack to UHF Jack	10.21	8.94	8.25	7.40
678-1328505	1328505	K	N Jack to F Jack	7.29	6.38	5.88	5.28
678-1329505	1329505	L	N Jack to SMA Jack	7.60	6.65	6.13	5.50
678-1325505	1325505	M	N Jack to TNC Jack	6.81	5.96	5.50	4.93
678-6311505	6311505	N	N Jack to Mini-UHF Plug	6.02	5.27	4.87	4.36

Type BNC Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each			
				1	10	25	50
678-3315505	3315505	O	BNC Plug to TNC Jack	4.93	4.31	3.98	3.57
678-3316505	3316505	P	BNC Plug to Mini-UHF Jack	4.71	4.13	3.81	3.41
678-3307505	3307505	Q	BNC Plug to UHF Plug	5.76	5.04	4.65	4.17
678-3317505	3317505	R	BNC Plug to UHF Jack	4.98	4.35	4.02	3.60
678-3318505	3318505	S	BNC Plug to F Jack	4.21	3.69	3.40	3.05
678-3309505	3309505	T	BNC Plug to SMA Plug	13.64	11.94	11.02	9.88
678-3319505	3319505	U	BNC Plug to SMA Jack	7.86	6.88	6.35	5.69
678-3325505	3325505	V	BNC Jack to TNC Jack	6.29	5.50	5.08	4.55
678-3327505	3327505	W	BNC Jack to UHF Jack	5.50	4.81	4.44	3.98
678-3328505	3328505	X	BNC Jack to F Jack	5.29	4.63	4.27	3.83
678-8313505	8313505	Y	BNC Jack to F Plug	3.93	3.44	3.17	2.84
678-6313505	6313505	Z	BNC Jack to Mini-UHF Plug	3.67	3.21	2.96	2.66

Type TNC Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each			
				1	10	25	50
678-5311505	5311505	AA	TNC Plug to N Jack	6.81	5.96	5.50	4.93
678-5313505	5313505	BB	TNC Plug to BNC Jack	5.19	4.54	4.19	3.76
678-5316505	5316505	CC	TNC Plug to Mini-UHF Jack	3.83	3.35	3.10	2.78
678-5317505	5317505	DD	TNC Plug to UHF Jack	4.45	3.90	3.60	3.22
678-5309505	5309505	EE	TNC Plug to SMA Plug	13.64	11.94	11.02	9.88
678-5319505	5319505	FF	TNC Plug to SMA Jack	13.64	11.94	11.02	9.88
678-5329505	5329505	GG	TNC Jack to SMA Jack	7.29	6.38	5.88	5.28

Type SMA Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each			
				1	10	25	50
678-9311505	9311505	HH	SMA Plug to N Jack	9.64	8.44	7.79	6.98
678-9313505	9313505	II	SMA Plug to BNC Jack	10.48	9.17	8.46	7.59
678-9315505	9315505	JJ	SMA Plug to TNC Jack	6.81	5.96	5.50	4.93
678-9306505	9306505	KK	SMA Plug to Mini-UHF Plug	7.07	6.19	5.71	5.12
678-9316505	9316505	LL	SMA Plug to Mini-UHF Jack	7.98	6.98	6.44	5.78
678-9317505	9317505	MM	SMA Jack to UHF Plug	7.33	6.42	5.92	5.31

Type UHF Adapters

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each			
				1	10	25	50
678-7311505	7311505	NN	UHF Plug to N Jack	8.07	7.06	6.52	5.84
678-7313505	7313505	OO	UHF Plug to BNC Jack	7.33	6.42	5.92	5.31
678-7316505	7316505	PP	UHF Plug to Mini-UHF Jack	8.71	7.63	7.04	6.31
678-7309505	7309505	QQ	UHF Plug to SMA Plug	7.07	6.19	5.71	5.12
678-7319505	7319505	RR	UHF Jack to SMA Plug	7.07	6.19	5.71	5.12
678-6317505	6317505	SS	UHF Jack to Mini-UHF Plug	5.02	4.40	4.06	3.64

Type GSK Adapter

NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

678-83119505	83119505	TT	GSK Jack to F Plug	7.28	6.36	5.87	5.26

BOMAR Between Series Adapters and RF Connectors

Between series adapters solve a variety of connection problems where connectors of different types could ordinarily not be mated together. Each adapter has a different type coupling at each end allowing for a wide variety of interconnections to fit almost all interconnection situations. All adapters are constructed of machined brass and are nickel plated.

TYPE RCA ADAPTERS

RoHS Compliant

- RoHS Compliant per Bomar documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each			
				1	10	25	50
678-R0842	R0842	A	RCA Plug to BNC Plug	4.83	4.23	3.90	3.50
678-R0844	R0844	B	RCA Plug to BNC Jack	3.24	2.83	2.62	2.34
678-R0847	R0847	C	RCA Plug to F Plug	3.00	2.63	2.42	2.17
678-R0849	R0849	D	RCA Plug to F Jack	2.62	2.29	2.12	1.90
678-R0811	R0811	E	RCA Jack to UHF Plug	3.93	3.44	3.17	2.84
678-R0822	R0822	F	RCA Plug to UHF Jack	3.40	2.98	2.75	2.47
678-R0843	R0843	G	RCA Jack to BNC Plug	2.83	2.48	2.29	2.05
678-R0851	R0851	H	RCA Jack to F Plug	2.36	2.06	1.90	1.71

RF ADAPTER KITS

Commercial grade kit ADPT1 is a 30 piece kit containing: 2 each of males and females of: BNC, TNC, N, Mini-UHF, UHF, SMA and 6 universal adapters.
Made of machined brass and nickel plated bodies, with gold contacts.

RoHS Compliant

- RoHS Compliant per Bomar documentation

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Description	Price Each	
			1	5
678-ADPT1	ADPT1	Commercial grade Universal Kit	155.21	133.89

Broadcast grade kit ADPT2 is a 40 piece kit containing: 2 each males and females of: BNC, TNC, N, Mini-UHF, UHF, SMA, F, RCA and 8 universal adapters. Made of machined brass and gold plated bodies, with gold contacts.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Description	Price Each	
			1	5
678-ADPT2	ADPT2	Broadcast grade Universal Kit	238.98	202.21

MCX AND MMCX CABLE CONNECTORS

RoHS Compliant

- Brass body parts
- Plating: gold over Nickel
- RoHS Compliant per Bomar documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	RG Cable Type	Price Each			
						1	10	25	50
678-1210A204M	1210A204M	I	50	Straight Cable Plug	174/U	3.79	3.36	3.07	3.79
678-1213A204M	1213A204M	J	50	Right Angle Plug	174/U	3.79	3.36	3.07	3.79
678-1310A204M	1310A204M	K	50	Straight Cable Plug	174/U	6.55	5.81	5.31	6.55
678-1313A204M	1313A204M	L	50	Right Angle Plug	174/U	3.79	3.36	3.07	3.79

BNC COAXIAL CRIMP PLUGS

RoHS Compliant

- High quality machined construction
- Semi-captive contacts that "click" into place assuring perfect installation
- RoHS Compliant per Bomar documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	RG Cable Type	Price Each			
						1	10	25	50
678-310A205F	310A205F	M	50	3 piece, dual crimp	58/U,58C/U,141	2.38	2.15	2.04	1.87
678-310A205G	310A205G	M	50	3 piece, dual crimp	59, 62, 210	2.43	2.19	2.07	1.90
678-310A205MV	310A205MV	M	50	3 piece, dual crimp	174, 179, 196	2.79	2.52	2.38	2.18
678-310A205P	310A205P	M	50	3 piece, dual crimp	223	2.43	2.19	2.07	1.90
678-310B205MV	310B205MV	M	75	3 piece, dual crimp	174, 178, 196	2.83	2.56	2.42	2.22
678-332A705	332A705	N	50	Inline Splice Adapter	- - - - -	3.00	2.63	2.42	2.17
678-332A505	332A505	N	75	Inline Splice Adapter	- - - - -	3.40	2.98	2.75	2.47

BNC AND RCA BROADCAST CONNECTORS FOR BELDEN CABLE

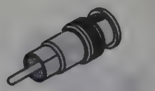
RoHS Compliant

- HDTV Broadcast grade connectors matched for Belden cable
- True 75Ω connectors made from precision machined brass
- RCA Plugs are shielded with gold plated contacts
- RoHS Compliant per Bomar documentation

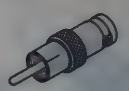
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	Belden Cable Type	Price Each			
						1	10	25	50
678-SBC1505A	SBC1505A	O	75	Plug, 3 pc., dual crimp	1505A	2.23	2.00	1.81	1.69
678-SBC1694A	SBC1694A	O	75	Plug, 3 pc., dual crimp	1694A	2.27	2.04	1.85	1.72
678-SBC1855A	SBC1855A	O	75	Plug, 3 pc., dual crimp	1855A	2.05	1.84	1.67	1.55
678-SBC8281	SBC8281	O	75	Plug, 3 pc., dual crimp	8281	2.36	2.12	1.93	1.79
678-SBC7731A	SBC7731A	O	75	Plug, 3 pc., dual crimp	7731A	2.82	2.53	2.30	2.14
678-SBC8218	SBC8218	O	75	Plug, 3 pc., dual crimp	8218	2.05	1.84	1.67	1.55
678-SBC8241	SBC8241	O	75	Plug, 3 pc., dual crimp	8241	2.27	2.04	1.85	1.72
678-HBC1505A	HBC1505A	O	75	Plug, 3 pc., dual crimp	1505A (HD)	2.36	2.12	1.93	1.79
678-HBC1694A	HBC1694A	O	75	Plug, 3 pc., dual crimp	1694A (HD)	2.36	2.12	1.93	1.79
678-HBC179DT	HBC179DT	O	75	Plug, 3 pc., dual crimp	179DT (HD)	2.82	2.53	2.30	2.14
678-RBC1505A	RBC1505A	P	75	RCA Crimp Plug	1505A (HD)	5.11	4.59	4.17	3.88
678-RBC1694A	RBC1694A	P	75	RCA Crimp Plug	1694A (HD)	5.11	4.59	4.17	3.88
678-RBC1855A	RBC1855A	P	75	RCA Crimp Plug	1855A (HD)	5.89	5.29	4.80	4.47
678-HBC335R744	HBC335R744	Q	75	Jack/Jack iso. panel	- - - - -	8.20	7.37	6.69	6.22
678-HBC310X075	HBC310X075	R	75	Precision 0.1% term.	- - - - -	5.32	4.78	4.33	4.03
678-HBC332A705	HBC332A705	S	- - -	BNC F/F HD Adapter	- - - - -	3.23	2.74	2.50	2.23

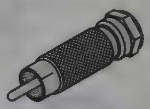
A



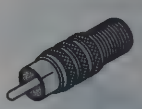
B



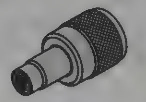
C



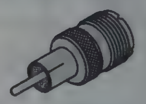
D



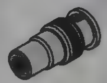
E



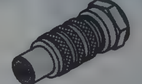
F



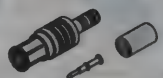
G



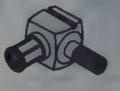
H



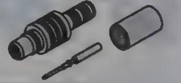
I



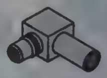
J



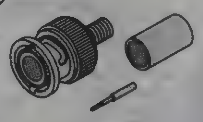
K



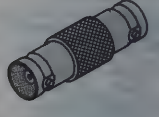
L



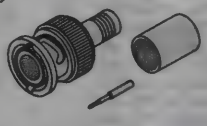
M



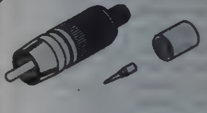
N



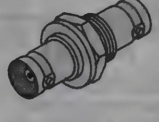
O



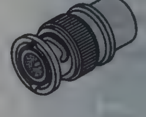
P



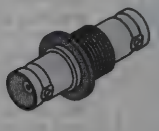
Q



R



S



BOMAR RF and Modular Jack Connectors

RoHS Compliant

BNC PRINTED CIRCUIT BOARD RIGHT ANGLE JACKS

- 50Ω versions have been approved by most U.S. manufacturers of LAN cards.
- 75Ω versions are in wide use in High Definition Video which require the use of a true 75Ω connector

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	Body Material	Price Each			
						1	10	25	50
678-364A595	364A595	A	50	Standard profile w/ posts	White Valox	2.04	1.85	1.75	1.60
678-364A595B	364A595B	A	50	Standard profile w/ posts	Black Valox	2.04	1.85	1.75	1.60
678-364A795	364A795	A	75	Standard profile w/ posts	White Valox	2.04	1.85	1.75	1.60
678-364A795B	364A795B	A	75	Standard profile w/ posts	Black Valox	2.17	1.92	1.85	1.70
678-364A595BL	364A595BL	A	50	Low profile w/ posts	White Valox	2.04	1.85	1.75	1.60
678-364A595BLB	364A595BLB	A	50	Low profile w/ posts	White Valox	2.04	1.85	1.75	1.60
678-364A795BL	364A795BL	A	75	Low profile w/ posts	White Valox	2.21	2.00	1.89	1.73
678-364M595	364M595	B	50	Standard profile w/ posts	Nickel / Zinc	2.87	2.60	2.45	2.25
678-364M595L	364M595L	B	50	Low profile w/ posts	Nickel / Zinc	2.87	2.60	2.45	2.25
678-364M795	364M795	B	75	Standard profile w/ posts	Metal	2.87	2.60	2.45	2.25
678-364M595M	364M595M	C	50	Super low profile w/clips	Nickel / Zinc	2.91	2.63	2.49	2.28
678-364A2595	364A2595	D	50	X-2 Dual stacked	White Valox	6.85	6.19	5.85	5.37
678-364A2795	364A2795	D	75	X-2 Dual stacked	White Valox	7.74	7.00	6.62	6.07
678-364A2795FS	364A2795FS	D	75	X-2 Dual full shield	White Valox	9.55	8.63	8.16	7.48
678-364M2595	364M2595	E	50	X-2M Dual stacked	Nickel / Zinc	9.23	8.35	7.89	7.23
678-364M2795	364M2795	E	75	X-2M Dual stacked	Nickel / Zinc	10.94	9.88	9.35	8.57
678-364M2795FS	364M2795FS	E	75	X-2M Dual full shield	Nickel / Zinc	12.15	10.98	10.38	9.52
678-364NT	364NT	--	--	Jam nut	Nickel	.66	.60	.56	.52
678-364KNT	364KNT	--	--	Knurled nut	Nickel	.72	.65	.62	.57
678-364LW	364LW	--	--	Lock washer	Nickel	.30	.27	.25	.23

PRINTED CIRCUIT BOARD EDGE MOUNT JACKS

- V-Bite™ features an award winning PCB lock-in design providing extreme anti-rotation.
- E-Snap™ snaps into 2 holes in PC board and locks into place for reflow soldering.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Imp. Ω	Description	Mounting Type	Price Each			
						1	10	25	50
678-361V509E	361V509E	F	50	BNC w/ polyethylene insul.	V-Bite™	3.05	2.77	2.49	2.26
678-361V504ER	361V504ER	F	50	BNC w/ teflon insul.for reflow	V-Bite™	3.53	3.20	2.88	2.61
678-361V504EFT	361V504EFT	G	50	BNC w/ teflon insul./flange	V-Bite™	4.53	4.11	3.69	3.35
678-361V504ET	361V504ET	H	50	BNC w/ teflon insul.for reflow	V-Bite™	4.18	3.80	3.41	3.09
678-361V704ER	361V704ER	F	75	BNC w/ teflon insul.for reflow	V-Bite™	4.03	3.66	3.29	2.98
678-361V704EFT	361V704EFT	G	75	BNC w/ teflon insul./flange	V-Bite™	5.00	4.55	4.08	3.70
678-161V504EFT	161V504EFT	I	50	N w/Flange TFE insul./re-flow	V-Bite™	8.63	7.84	7.04	6.39
678-861V509E	861V509E	J	NCI	F, RG59	V-Bite™	3.10	2.82	2.53	2.30
678-861V509ER	861V509ER	J	NCI	F w/ teflon for reflow, RG59	V-Bite™	4.00	3.64	3.27	2.96
678-861V509ER6	861V509ER6	J	75	F w/ teflon for reflow, RG6/59	V-Bite™	4.60	4.18	3.76	3.41
678-961E504	961E504	K	50	SMA	E-Snap™	4.80	4.36	3.92	3.56
678-1261E504	1261E504	L	50	MCX	E-Snap™	5.78	5.25	4.71	4.28
678-1261E504L	1261E504L	M	50	MCX, low profile	E-Snap™	6.13	5.57	5.00	4.54
678-1361E514	1361E514	N	50	MMCX Straight Jack	E-Snap™	5.85	5.19	4.74	4.37

"F" PRINTED CIRCUIT BOARD AND CABLE CONNECTORS

- These F type connectors are widely used in CATV, MATV, and CCTV.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Mount/Cable Type	Price Each			
					1	10	25	50
PCB Connectors-Non constant Impedance								
678-861A509	861A509	O	Jack, straight	Vertical	1.18	1.08	.98	.87
678-864B509	864B509	P	Jack, long, .90" barrel	Right Angle	2.05	1.88	1.70	1.50
678-864B509S	864B509S	Q	Jack, short, .70" barrel	Right Angle	2.18	2.00	1.81	1.60
678-866B509	866B509	R	Male, direct to tuner connection	Right Angle	2.64	2.42	2.19	1.93
678-864NT	864NT	- -	Nut	- - -	.14	.13	.12	.11
678-864LW	864LW	- -	Washer	- - -	.14	.13	.11	.10
Cable Connectors-Toolless								
678-810PE205A	810PE205A	S	Push-EZ™ gold plug w/ LIFT® Technology	RG 6	1.93	1.77	1.60	1.42
678-810PE205G	810PE205G	S	Push-EZ™ gold plug w/ LIFT® Technology	RG 59	2.30	2.10	1.91	1.68

BNC BULKHEAD JACKS

- These jacks are held into the panel by a hex-nut and lock washer.
- All units feature nickel plated, brass bodies, and gold phosphor-bronze contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Price Each			
				1	10	25	50
678-326A515	326A515	T	F/M Solder, Grounded	2.05	1.86	1.67	1.52
678-326R515	326R515	U	F/M Solder, Isolated, White Bushing	2.34	2.12	2.00	1.83
678-326R515RD	326R515RD	U	F/M Solder, Isolated, Red Bushing	3.43	3.10	2.93	2.68
678-326R515GN	326R515GN	U	F/M Solder, Isolated, Green Bushing	3.43	3.10	2.93	2.68
678-326R515BL	326R515BL	U	F/M Solder, Isolated, Blue Bushing	3.43	3.10	2.93	2.68

SMA CONNECTORS

For quantities of 100 and up, call for quote.

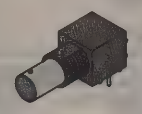
MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Mount/Cable Type	Price Each			
					1	10	25	50
678-910A204F	910A204F	V	Straight Crimp Plug, Gold Body	RG58/U, 141/U, 142/U	2.60	2.35	2.14	2.03
678-910A205F	910A205F	V	Straight Crimp Plug, Nickel Body	RG58/U, 141/U, 142/U	2.72	2.46	2.25	2.13
678-910A204M	910A204M	V	Straight Crimp Plug, Gold Body	RG174/U, 188/U, 316/U	2.55	2.31	2.11	2.00
678-910A205M	910A205M	V	Straight Crimp Plug, Nickel Body	RG174/U, 188/U, 316/U	2.26	2.04	1.86	1.77

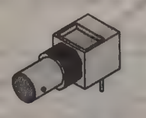
EZ-RJ45™ CATEGORY 5 AND 6 MODULAR SYSTEM

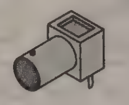
- EZ-RJ45™ connector simplifies installation by allowing the pairs to be passed through the connector and then trimmed to the edge of the plug.

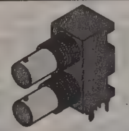
For quantities of 100 and up, call for quote.

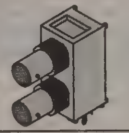
MOUSER STOCK NO.	Bomar Part No.	Fig.	Description	Mount/Cable Type	Price Each			
					1	10	25	50
678-300566EZ	300566EZ	W	6P 6C EZ-Plug	12	.70	.65	.60	.55
678-300568EZ	300568EZ	W	8P 8C CAT5 EZ-Plug	45	1.30	1.19	1.10	1.02
678-300668EZ	300668EZ	W	8P 8C CAT6 EZ-Plug	45	1.39	1.27	1.17	1.09
678-BD45000	BD45000	X	Crimp and trimming tool for EZ-RJ	11, 12, 45	121.20	111.10	call	call
678-CXB300EZGY	CXB30EZGY	Y	Cat 6 Boot for EZRJ45	- - -	.54	.49	.46	.42

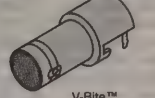
A


B


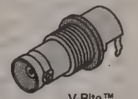
C


D


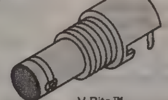
E


F


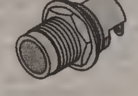
V-Bite™

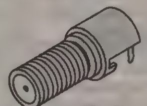
G


V-Bite™

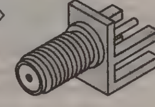
H


V-Bite™

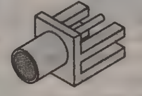
I


J


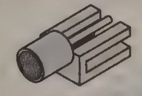
V-Bite™

K


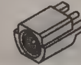
E-Snap™

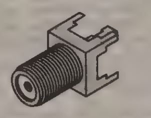
L


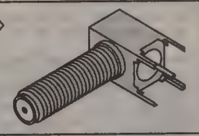
E-Snap™

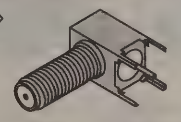
M


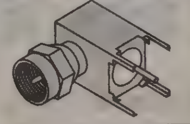
E-Snap™

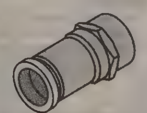
N


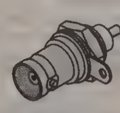
O


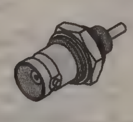
P


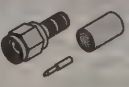
Q


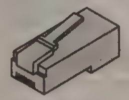
R


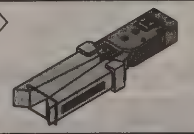
S


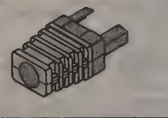
T


U


V


W


X


Y


AIM/CAMBRIDGE RF Connectors

BNC COAXIAL CONNECTORS

Specifications:
- Frequency range: 50Ω 0-4GHz
  75Ω 0-2GHz
- Phosphor bronze with gold plating
- Working Voltage: 500 volts RMS
- Temperature range: -55°C to +85°C

Material:
- Body: Zinc or Brass with Nickel plating
- Contact: Beryllium copper or Phosphor bronze with gold plating
- Crimp Sleeve: Brass with Nickel plating
- Insulator: Delrin or TPX Polymethylpentene

* RoHS compliant per AIM/Cambridge documentaion

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Imp. (Ω)	Description	RG Cable Type	Price Each			
						1	25	50	100
BNC Cable Mount Connectors									
*530-CPM-88-19	CPM-88-19	A	50	Crimp, 4pc Plug	174, 188, 316	2.07	1.88	1.49	1.31
530-CPM-88-20	CPM-88-20	A	50	Crimp, 4pc Plug	179, 187	2.16	1.96	1.63	1.54
*530-CPMC-88-1	CPMC-88-1	A	50	Crimp, 3pc Plug	58, 141	1.58	1.38	1.13	1.02
530-CPMC-88-2	CPMC-88-2	A	50	Crimp, 3pc Plug	59, 62	1.59	1.38	1.24	1.12
530-CPMC-88-3	CPMC-88-3	A	50	Crimp, 3pc Plug	Belden 8281	2.03	1.85	1.50	1.39
530-CPMC-88-5	CPMC-88-5	A	50	Crimp, 3pc Plug	6	2.38	2.10	1.85	1.54
530-CPMC-88-10	CPMC-88-10	A	50	Crimp, 3pc Plug	59, 62	1.47	1.33	1.22	1.08
530-CPMC-88-18	CPMC-88-18	A	50	Crimp, 3pc Plug	Belden 8218	1.91	1.72	1.58	1.44
530-CP-88-1	CP-88-1	A	50	Crimp, 2pc Plug	58	1.65	1.49	1.36	1.25
530-CP-88-2	CP-88-2	A	50	Crimp, 2pc Plug	59, 62	1.65	1.47	1.16	1.02
530-CP-88-5	CP-88-5	A	50	Crimp, 2pc Plug	6	1.87	1.71	1.38	1.24
530-CPFI-UG88-1	CPFI-UG88-1	B	50	Twist-On Plug	58	1.96	1.76	1.63	1.54
530-CPFI-UG88-2	CPFI-UG88-2	B	50	Twist-On Plug	59, 62	2.03	1.83	1.68	1.61
530-CPFI-UG88-5	CPFI-UG88-5	B	50	Twist-On Plug	6	1.96	1.74	1.40	1.26
530-CPMC-88-21	CPMC-88-21	C	50	2 Ferrules, 3pc Plug	58, TFE-59	1.78	1.57	1.34	1.24
530-CPMC-78-2	CPMC-78-2	A	75	Crimp, 3pc Plug	59, 62	1.79	1.63	1.30	1.11
530-CPMC-78-18	CPMC-78-18	A	75	Crimp, 3pc Plug	BELDEN 8218,1855A	2.02	1.83	1.68	1.55
530-CPFI-UG89-2	CPFI-UG89-2	D	50	Twist-on Jack	56, 62	2.33	1.95	1.75	1.57
530-CP-89-2	CP-89-2	E	50	Crimp, 2pc Jack	56, 62	1.67	1.52	1.40	1.27
BNC Panel Mount Connectors									
530-CP-89-19-BM1	CP-89-19-BMI	F	50	Crimp, 3pc, Jack	174, 188, 316	6.82	6.11	4.99	4.78
530-CP-1094-U	CP-1094-U	G	50	Front mount, w/o lug, Jack	- - - - - - -	1.19	1.04	.83	.73
530-CP-1094-AST	CP-1094-AST	H	50	Front mount, w/tab, Jack	- - - - - - -	1.18	1.03	.82	.72
530-CP-AD519	CP-AD519	I	50	Flange mount Jack	- - - - - - -	2.62	2.37	1.95	1.63
601-27-8461	27-8461	J	75	Isolated front mount, Jack	- - - - - - -	3.57	3.23	2.63	2.50
BNC Adapters, Splices and Terminator									
530-CP-AD555	CP-AD555	K	50	Inline Jack to Jack	- - - - - - -	1.40	1.26	1.01	.90
530-CP-AD556M	CP-AD556M	L	50	Bulkhead inline Jack to Jack	- - - - - - -	2.23	1.87	1.63	1.48
601-27-8150	27-8150	M	50	Right Angle Jack to Plug	- - - - - - -	3.75	3.26	2.78	2.52
601-27-8140	27-8140	N	50	Jack to Jack to Plug T adapter	- - - - - - -	2.30	2.08	1.69	1.42
601-27-9007	27-9007	O	75	75 Ohm, 1/2watt	- - - - - - -	1.86	1.68	1.37	1.31

TNC CONNECTORS

Specifications:
- Frequency range: 0-11GHz
- Temperature range: -55°C to +85°C
- 120 Second termination, 3pc Plugs

Material:
- Body: Zinc or Brass with Nickel plating
- Contact: Beryllium copper, Phosphor bronze, or Brass with gold plating
- Crimp Sleeve: Brass with Nickel plating
- Insulator: Teflon, TPX, or Delrin

* RoHS compliant per AIM/Cambridge documentaion

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Imp. (Ω)	Description	RG Cable Type	Price Each			
						1	25	50	100
530-CPMC-TNC-1	CPMC-TNC-1	P	50	Crimp, 3pc Plug	58, 141	1.74	1.57	1.24	1.07
*530-CPMC-TNC-13	CPMC-TNC-13	P	50	Crimp, 3pc Plug	142, 223, 400, 55	1.97	1.78	1.57	1.43
530-CPMC-TNC-17	CPMC-TNC-17	P	50	Crimp, 3pc Plug	8X (MINI 8)	1.87	1.67	1.50	1.39

N CONNECTORS

Specifications:
- Frequency range: 0-11GHz
- Working Voltage: 500 volts RMS
- Temperature range: -55°C to +85°C
- 120 Second termination, 3pc Plugs

Material:
- Body and Coupling nut: Brass with Nickel plating
- Contact: Beryllium copper, Phosphor bronze, or Brass w/Gold plating
- Crimp Sleeve: Brass with Nickel plating Insulator: Delrin

For quantities of 200 and up, call for quote.

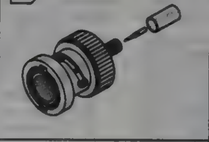
MOUSER STOCK NO.	AIM/ Cambridge Part No.	Fig.	Imp. (Ω)	Description	RG Cable Type	Price Each			
						1	25	50	100
530-CPN-1	CPN-1	Q	50	18 AWG crimp Plug	58	3.71	3.31	2.97	2.63
530-CPN-142T	CPN-142T	Q	50	20 AWG crimp Plug	142-TFE	3.75	3.34	3.00	2.72
530-CPN-8	CPN-2	Q	50	13 AWG crimp Plug	8, 213	3.90	3.47	3.18	2.75
530-CPN-8/110	CPN-8/110	Q	50	10 AWG crimp plug	8, 213	4.00	3.63	3.30	3.07
601-26-8011	26-8011	R	50	Flange mount jack, solder cup	- - - - - - -	6.69	6.16	5.66	5.35

BNC / TNC CONNECTOR TOOLING

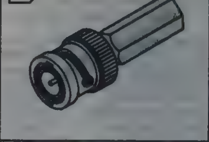
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AIM/ Cambridge Part No.	Fig.	Description	RG Cable Type	Price Each	
					1	5
530-24-9912P	24-9912P	S	Crimps 3-piece BNC/TNC Connectors	RG 122, 180, 34M, 195, 174, 188, 179, 187, 316, 8218	44.80	42.60
530-24-9858P	24-9858P	S	Crimps 2-piece BNC/TNC Connectors	RG 58, 59TFE	39.90	37.80
530-24-9859P	24-9859P	S	Crimps 2-piece BNC/TNC Connectors	RG 59, 62	42.20	40.00
530-24-9958P	24-9958P	S	Crimps 3-piece BNC/TNC Connectors	RG 58, 58TFE, 141, 142, 223, 400, 303, 55	41.90	39.80
530-24-9959P	24-9959P	S	Crimps 3-piece BNC/TNC Connectors	RG 59, 62, 450, RG8X	42.30	40.20

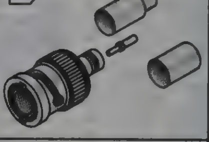
A



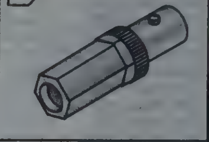
B



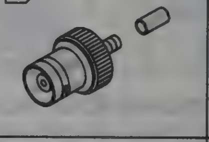
C



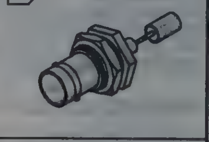
D



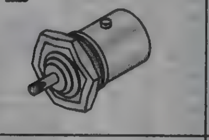
E



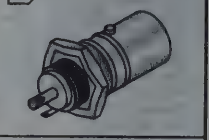
F



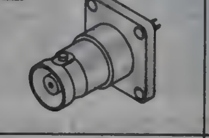
G



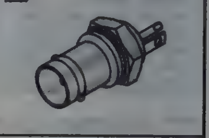
H



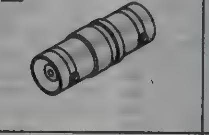
I



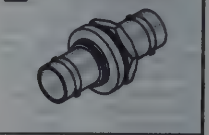
J



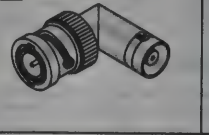
K



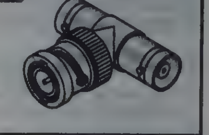
L



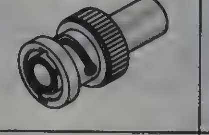
M



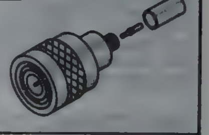
N



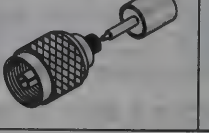
O



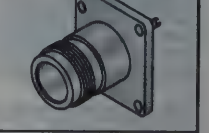
P



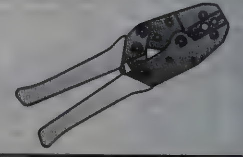
Q



R



S



AIM/CAMBRIDGE RF Connectors and Adapters

AIM CAMBRIDGE

EMERSON
Network Power
Connectivity Solutions

UHF CONNECTORS

*RoHS compliant per AIM/Cambridge documentation

Specifications:
- Frequency range: 0-500 MHz
- Working voltage: 500 Volts RMS
- Temperature range: -55°C to +85°C

Material:
- Body: zinc or brass with nickel plating
- Contact: Beryllium copper or brass with gold or nickel plating
- Crimp sleeve: brass with nickel plating
- Insulator: Teflon or Delrin

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	RG Cable Type	Price Each			
					1	25	50	100
*601-25-7307	25-7307	A	Crimp contact, plug	58	1.12	1.03	.95	.87
530-CPL-259-8	CPL-259-8	A	Crimp contact, plug	8	1.48	1.33	1.23	1.16
*530-CPL-259-17	CPL-259-17	A	Crimp contact, plug	RG-8X (MINI 8)	1.38	1.26	1.16	1.08
*530-CPL-259-18	CPL-259-18	B	Crimp contact, dual nut plug	58	2.16	1.94	1.79	1.69
601-25-7300	25-7300	C	Straight solder type plug	8, 213	1.78	1.63	1.30	1.16
601-25-7350	25-7350	D	Flange mount jack	- - -	1.82	1.61	1.40	1.21

UHF CONNECTOR TOOLING

For quantities greater then listed, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	RG Cable Type	Price Each	
					1	5
530-24-9960P	24-9960P	E	Crimp Tool	RG 58, 59, 62, 8X	65.00	60.00
530-24-7712P	24-7712P	E	Crimp Tool	RG 8	37.84	32.81

MINI UHF CONNECTORS

Specifications:
- Frequency range: 0-2 GHz
- Working voltage: 500 Volts RMS
- Temperature range: -55°C to +85°C
- Solder or crimp contact

Material:
- Body and Coupling Nut: Zinc or Brass
- Contact: Brass
- Crimp Sleeve: Brass
- Insulator: TPX Polymethylpetene

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	RG Cable Type	Price Each			
					1	25	50	100
601-29-4010	29-4010	F	Straight crimp type plug	58	1.24	1.14	1.06	1.00
601-29-4033	29-4033	F	Straight crimp type plug	RG-8X (MINI 8)	1.69	1.51	1.37	1.31

MINI UHF CONNECTOR TOOLING

For quantities greater then listed, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	RG Cable Type	Price Each	
					1	5
530-24-8860P	24-8860P	E	Crimp Tool	RG 58, 59, 62, 8X	46.20	40.58

F CONNECTORS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	RG Cable Type	Price Each			
					1	25	50	100
530-CPF-59-1/4	CPF-59-1/4	G	Crimp plug with 1/4 crimp ring	59	.34	.30	.25	.21
501-25-7020	25-7020	H	Crimp plug with 1/2 crimp ring	59	.34	.31	.25	.20
601-25-7030	25-7030	I	Standard crimp plug	59	.44	.34	.26	.24
601-25-7120	25-7120	J	Twist-on plug	59	.32	.29	.23	.19
530-CPF-56-1/4	CPF-56-1/4	G	Crimp plug with 1/4 crimp ring	6	.32	.28	.25	.24
601-25-7032	25-7032	I	Standard crimp plug	6	.42	.31	.24	.22
601-25-7056	25-7056	I	Chrome plated, waterproof plug	6	.48	.44	.35	.30
601-25-7034	25-7034	I	Quad-shield crimp plug	6	.32	.28	.26	.24
601-25-7033	25-7033	I	Tri-shield crimp plug	6	.37	.34	.30	.28
601-25-7047	25-7047	K	Teflon/Plenum crimp plug	6	.60	.54	.47	.43
601-25-7180	25-7180	L	Twist-on plug	6	.25	.23	.20	.19
601-25-7191	25-7191	M	Standard crimp plug	11	1.90	1.71	1.40	1.16

F CONNECTOR TOOLING

For quantities greater then listed, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	RG Cable Type	Price Each	
					1	5
530-24-7710	24-7710	E	Crimp Tool	RG 6, 59	29.30	22.70
530-24-7711P	24-7711P	E	Crimp Tool	RG 6, 11, 213	37.52	28.52

PCB F CONNECTORS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	Price Each			
				1	25	50	100
*601-25-7630	25-7630	N	Edge mount PCB jack	.91	.83	.68	.57
601-25-7650	25-7650	O	Vertical mount PCB jack	.76	.69	.57	.47

F ADAPTERS AND ACCESSORIES

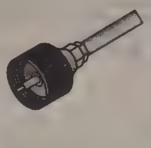
For quantities of 200 and up, call for quote.

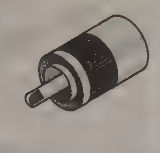
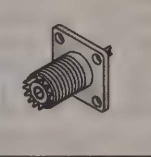
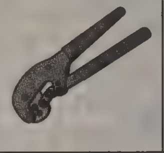
MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	Price Each			
				1	25	50	100
530-CP-AD100	CP-AD100	P	Jack to push-on plug	.65	.59	.48	.45
530-CP-AD102	CP-AD102	Q	Right angle jack to plug	1.07	.97	.79	.66
601-25-7200	25-7200	R	3/4 in-line splice jack to jack	.28	.25	.20	.18
*601-25-7200L	25-7200L	R	1" in-line splice jack to jack	1.01	.64	.52	.44
*601-25-7210	25-7210	S	3/4 splice jack to jack with hardware	.41	.39	.36	.32
601-25-7640	25-7640	T	Double male splice plug to plug	1.13	1.03	.84	.70

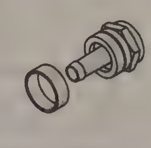
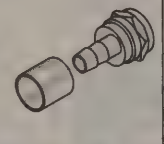
BETWEEN SERIES ADAPTERS

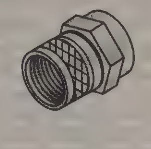
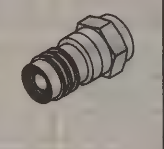
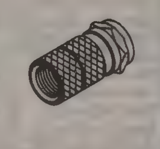
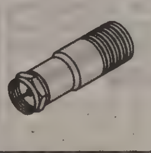
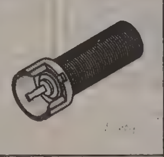
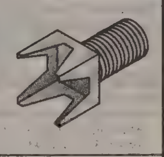
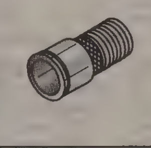
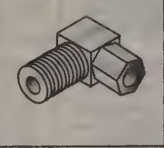
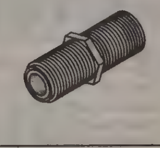
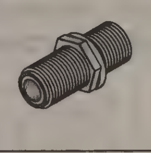
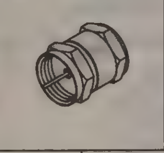
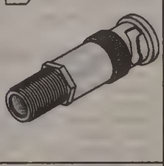
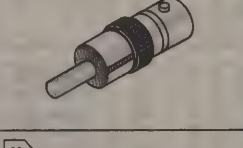
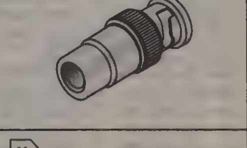
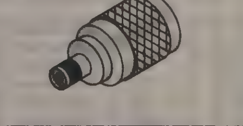
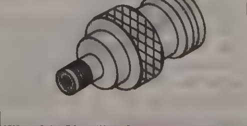
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AIM/Cambridge Part No.	Fig.	Description	Price Each			
				1	25	50	100
*601-25-7500	25-7500	U	BNC plug to F jack adapter	2.03	1.77	1.46	1.25
601-27-8110	27-8110	V	BNC jack to RCA plug adapter	1.43	1.21	1.02	.91
530-CP-AD517	CP-AD517	W	BNC 75Ω plug to RCA jack	4.16	3.74	3.12	2.55
*601-25-7510	25-7510	W	BNC 50Ω plug to RCA jack	1.26	1.08	.85	.78
601-29-3840	29-3840	X	N plug to SMA jack	11.36	9.07	8.14	7.63
*530-CP-AD819	CP-AD-819	Y	N jack to SMA jack	8.46	7.61	6.73	6.18

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y


JOHNSON COMPONENTS RF Connectors

SMA QUICK-CONNECT

The Johnson SMA Quick-Connect plug can quickly mate to a standard, threaded SMA Jack receptacle allowing rapid test connections to devices utilizing SMA threaded jacks. Full Mil-C-39012 electrical compatibility is obtained with a push and twist motion. The knurled thumbnut requires only one half to one full turn to create a solid connection. Rapid disconnect is accomplished with a twist and pull motion.
The SMA Quick-Connect plug adapter converts a standard SMA plug test cable into a Quick-Connect cable.

- Coupling Hardware: Nickel plated
- Frequency Range: 0-12.4 GHz Plugs, 0-18GHz Adapter
- VSWR: 1.15 +.02f(GHz) Plugs, 1.05 +.005f(GHz) Adapter
- Contact Plating: Gold
- RoHS Compliant per Johnson documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Cable Type - Description	Price Each		
					1	10	50
SMA Quick-Connect Plugs							
530-142-1403-001	142-1403-001	A	Gold	RG-161/U, 174, 188, 316	26.55	23.49	18.79
530-142-1404-001	142-1404-001	A	Gold	RG-188 DS, RG-316 DS	26.55	23.49	18.79
530-142-1407-001	142-1407-001	A	Gold	RG-58/U, 141, 303	26.55	23.49	18.79
530-142-1408-001	142-1408-001	A	Gold	RG-55/U, 142,223,400	26.55	23.49	18.79
SMA Quick Connect Adapter							
530-142-1901-821	142-1901-821	B	Gold	Adapter - SMA Jack converts to SMA Plug	39.83	35.24	28.19

SMA JACKS

- Impedance: 50Ω
- Frequency Range: 0-18 GHz
- Temperature Range: -65°C to +165°C
- Contact Plating: Gold
- RoHS Compliant per Johnson documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Description	Price Each		
					1	10	50
Panel Jacks							
530-142-0701-411	142-0701-411	C	Gold	Bulkhead, Front Mount, Solder Cup	6.91	6.11	4.89
530-142-0701-401	142-0701-401	D	Gold	Bulkhead, Rear Mount, Solder Cup	5.70	4.99	4.46
530-142-0701-631	142-0701-631	E	Gold	4 Hole Flange Mount, Flush Dielectric, Solder Cup	7.89	6.98	5.58
530-142-0701-621	142-0701-621	F	Gold	2 Hole Flange Mount, Flush Dielectric, Solder Cup	5.69	4.99	4.29
Vertical PCB Jacks							
530-142-0701-201	142-0701-201	G	Gold	Round Base, .155" Legs, Thru-hole	5.09	4.41	3.78
530-142-0701-206	142-0701-206	G	Nickel	Round Base, .155" Legs, Thru-hole	7.96	7.04	5.64
530-142-0701-231	142-0701-231	G	Gold	Round Base, .110" Legs, Thru-hole	5.24	4.53	3.92
530-1420701211	142-0701-211	H	Gold	Square Base, .155" Legs, Thru-hole	8.28	7.61	7.01
530-142-0711-201	142-0711-201	I	Gold	Square Base, .050" Legs, Surface Mount	5.16	4.30	3.71
Right-Angle PCB Jacks							
530-142-0701-301	142-0701-301	J	Gold	Round Base, .155" Legs, Thru-hole	7.89	6.92	5.95
530-142-0711-301	142-0711-301	K	Gold	Square Base, .050" Legs, Surface Mount	12.12	10.72	8.58
530-142-0701-501	142-0701-501	L	Gold	Square Base, .155" Legs, Bulkhead, Thru-hole	11.83	10.34	9.06
530-142-0701-506	142-0701-506	L	Nickel	Square Base, .155" Legs, Bulkhead, Thru-hole	13.59	11.72	10.35
530-142-0701-551	142-0701-551	L	Gold	Square Base, .110" Legs, Bulkhead, Thru-hole	12.52	10.92	9.65

SMA EDGE MOUNT CONNECTORS

- Impedance: 50Ω
- Frequency Range: 0-18 GHz
- Temperature Range: -65°C to +165°C
- Contact Plating: Gold
- Body: Brass
- RoHS Compliant per Johnson documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Description	Price Each		
					1	10	50
Straight Jacks							
530-142-0711-821	142-0711-821	M	Gold	.062" Board Thickness, Round Contact, .250" Wide	6.46	5.72	4.92
530-142-0711-841	142-0711-841	M	Gold	.042" Board Thickness, Round Contact, .250" Wide	7.22	6.39	5.11
530-142-0701-801	142-0701-801	M	Gold	.062" Board Thickness, Round Contact, .375" Wide	5.60	4.81	4.13
530-142-0701-881	142-0701-881	M	Gold	.031" Board Thickness, Round Contact, .375" Wide	6.32	5.22	4.54
530-142-0701-851	142-0701-851	M	Gold	.062" Board Thickness, Round Contact, .375" Wide	6.61	5.60	4.81
530-142-0701-841	142-0701-841	M	Gold	.042" Board Thickness, Round Contact, .375" Wide	7.29	6.37	5.49
530-142-0701-871	142-0701-871	N	Gold	.062" Board Thickness, Round Contact, Bulkhead	6.92	6.22	5.72
530-142-0721-881	142-0721-881	O	Gold	Surface Mount Jack, Round Contact	5.94	5.17	4.83

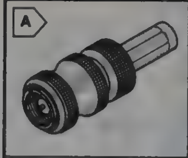
SMA HIGH FREQUENCY EDGE MOUNT CONNECTORS

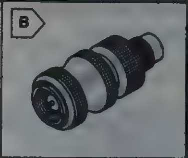
- Impedance: 50Ω
- Frequency Range: 0-26.5 GHz
- Insulator: PTFE
- Contact Plating: Gold
- Body: Brass
- Body Plating: Gold
- Temperature Range: -65°C to +165°C
- RoHS Compliant per Johnson documentation

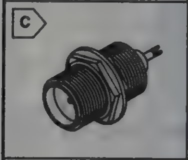
RoHS Compliant

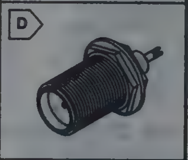
For quantities of 100 and up, call for quote.

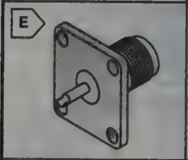
MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Pin	Description	Price Each		
					1	10	50
Right-Angle PCB Jacks							
530-142-0761-801	142-0761-801	P	.010	Round Body, .093" Legs, Thru-Hole	9.21	8.15	6.52
530-142-0761-821	142-0761-821	P	.015	Round Body, .093" Legs, Thru-Hole	9.21	8.15	6.52
530-142-0761-811	142-0761-811	Q	.010	Square Body, .120" Legs, Thru-Hole	9.21	8.15	6.52
530-142-0761-831	142-0761-831	Q	.015	Square Body, .120" Legs, Thru-Hole	9.21	8.15	6.52
530-142-0761-881	142-0761-881	R	.010	Round Body, .093" Legs, Thru-Hole, Thick Legs	7.79	6.98	6.15
530-142-0771-821	142-0771-821	R	.015	Round Body, .093" Legs, Thru-Hole, Thick Legs	9.21	8.15	6.52
Straight Jacks							
530-142-0761-841	142-0761-841	S	.010	.062" Board Thickness, Round Body, .218" Wide	6.68	5.91	4.72
530-142-0761-861	142-0761-861	S	.015	.062" Board Thickness, Round Body, .218" Wide	9.21	8.15	6.52
530-142-0761-851	142-0761-851	T	.010	.062" Board Thickness, Square Body, .250" Wide	9.21	8.15	6.52
530-142-0761-871	142-0761-871	T	.015	.062" Board Thickness, Square Body, .250" Wide	9.21	8.15	6.52
530-142-0761-891	142-0761-891	U	.010	.062" Board, Round Body, .218" Wide, Thick Legs	9.21	8.15	6.52
530-142-0771-831	142-0771-831	U	.015	.062" Board, Round Body, .218" Wide, Thick Legs	9.21	8.15	6.52

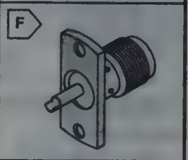
A


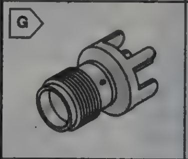
B


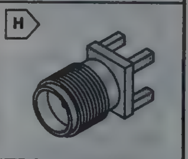
C


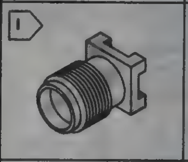
D


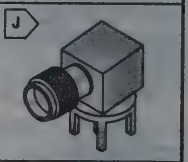
E


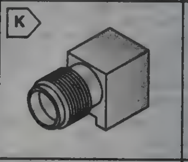
F


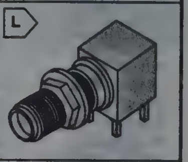
G


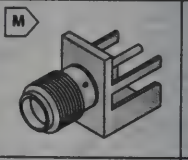
H


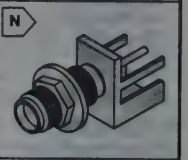
I


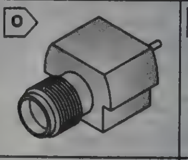
J


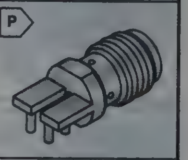
K


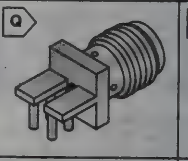
L


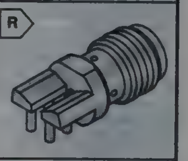
M


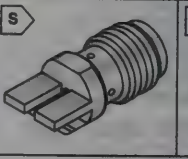
N


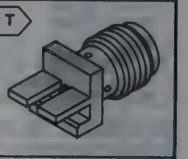
O


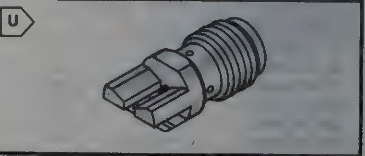
P


Q


R


S


T


U


JOHNSON COMPONENTS RF Connectors

SMA CABLE CONNECTORS

- Impedance: 50Ω
- Body: Brass
- Contact Plating: Gold
- Insulator: PTFE Fluorocarbon
- Temperature Range: -65° to +165°C
- Durability: 500 Cycles minimum

- Frequency Range: 0-12.4 GHz for Flexible Cable Types
  0-26.5 GHz for Semi-Rigid Cable Types
  0-28 GHz for Plugs with Semi-Rigid cable and Captivated Solderless Contact;
  0-25 GHz for Jacks with Semi-Rigid cable and Captivated Solderless Contact

* RoHS compliant per Johnson documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Cable Type - Description	Price Each			
					1	10	50	100
Straight Plugs - Semi-Rigid Cable								
*530-142-0693-001	142-0693-001	A	Gold	.086 Semi-Rigid - w/ contact, captive nut	4.08	3.58	3.09	2.64
*530-142-0693-006	142-0693-006	A	Nickel	.086 Semi-Rigid - w/ contact, captive nut	3.75	3.28	2.82	2.42
*530-142-0694-001	142-0694-001	A	Gold	.141 Semi-Rigid - w/ contact, captive nut	5.92	5.24	4.19	3.89
*530-142-0694-006	142-0694-006	A	Nickel	.141 Semi-Rigid - w/ contact, captive nut	6.25	5.53	4.42	4.11
*530-142-0694-011	142-0694-011	A	Gold	.141 Semi-Rigid - w/o contact, thread-on nut	2.50	2.21	1.77	1.64
*530-142-0694-016	142-0694-016	A	Nickel	.141 Semi-Rigid - w/o contact, thread-on nut	2.40	2.13	1.70	1.58
*530-142-0694-021	142-0694-021	A	Gold	.141 Semi-Rigid - w/o contact, slide-on nut	1.89	1.72	1.60	1.54
*530-142-0694-026	142-0694-026	A	Nickel	.141 Semi-Rigid - w/o contact, slide-on nut	2.48	2.27	2.06	1.88
Straight Plugs - Semi-Rigid Cable - Captivated Solderless Contact								
*530-142-0693-061	142-0693-061	B	Gold	.086 Semi-Rigid - w/ captive nut, 1 piece body	5.74	5.08	4.06	3.77
*530-142-0693-066	142-0693-066	B	Nickel	.086 Semi-Rigid - w/ captive nut, 1 piece body	6.50	5.75	4.60	4.27
*530-142-0694-061	142-0694-061	B	Gold	.141 Semi-Rigid - w/ captive nut, 1 piece body	6.92	6.12	4.90	4.55
*530-142-0694-066	142-0694-066	B	Nickel	.141 Semi-Rigid - w/ captive nut, 1 piece body	6.50	5.75	4.60	4.27
Right Angle Plugs - Semi-Rigid Cable								
*530-142-0693-101	142-0693-101	C	Gold	.086 Semi-Rigid - w/ contact, 1 piece body	10.20	9.02	7.22	6.70
*530-142-0694-101	142-0694-101	C	Gold	.141 Semi-Rigid - w/ contact, 1 piece body	11.71	10.36	8.29	7.69
Straight Plugs - Flexible Cable - Captivated Contact								
*530-142-0402-011	142-0402-011	D	Gold	178/U, 196	5.93	5.25	4.20	3.90
*530-142-0403-011	142-0403-011	D	Gold	161/U, 174, 188, 316, LMR-100	5.63	4.46	3.83	3.28
*530-142-0203-011	142-0203-011	D	Gold	161/U, 174, 188, 316, LMR-100 - Cable Clamp Version	14.76	13.06	10.44	9.70
*530-142-0404-011	142-0404-011	D	Gold	188 DS, 316 DS	7.07	6.44	5.84	5.51
*530-142-0407-011	142-0407-011	D	Gold	58/U, 141, 303, LMR-195	7.97	7.05	5.64	5.24
*530-142-0408-011	142-0408-011	D	Gold	55/U, 142, 223, 400	7.01	6.20	4.96	4.61
*530-142-0439-001	142-0439-001	D	Gold	LMR-200	10.41	9.21	7.37	6.84
Right Angle Plugs - Flexible Cable - Captivated Contacts								
*530-142-0402-101	142-0402-101	E	Gold	178/U, 196	10.60	9.38	7.50	6.97
*530-142-0403-101	142-0403-101	E	Gold	161/U, 174, 188, 316, LMR-100	5.86	5.19	4.15	3.85
~~530-142-0203-101~~	142-0203-101	E	Gold	161/U, 174, 188, 316, LMR-100	10.41	9.21	7.37	6.84
*~~530-142-0404-101~~	142-0404-101	E	Gold	188 DS, 316 DS	9.66	8.78	7.98	7.54
*530-142-0408-101	142-0408-101	E	Gold	55/U, 142, 223, 400	12.59	11.14	8.91	8.27
Straight Jacks - Semi-Rigid Cable								
*530-142-0593-001	142-0593-001	F	Gold	.086 Semi-Rigid	6.32	5.59	4.47	4.15
*530-142-0594-001	142-0594-001	F	Gold	.141 Semi-Rigid	10.14	8.97	7.17	6.66
*530-142-0593-401	142-0593-401	G	Gold	.086 Semi-Rigid - rear mount bulkhead	12.37	10.94	8.75	8.13
*530-142-0594-401	142-0594-401	G	Gold	.141 Semi-Rigid - rear mount bulkhead	8.44	7.46	5.97	5.54
Straight Bulkhead Jacks - Semi-Rigid Cable - Captivated Solderless Contact								
*530-142-0593-421	142-0593-421	H	Gold	.086 Semi-Rigid - w/ O-ring, 1 piece body	16.21	14.34	11.47	10.65
*530-142-0593-426	142-0593-426	H	Nickel	.086 Semi-Rigid - w/ O-ring, 1 piece body	15.22	13.47	10.77	10.00
*530-142-0594-421	142-0594-421	H	Gold	.141 Semi-Rigid - w/ O-ring, 1 piece body	16.21	14.34	11.47	10.65
*530-142-0594-426	142-0594-426	H	Nickel	.141 Semi-Rigid - w/ O-ring, 1 piece body	15.22	13.47	10.77	10.00
*530-142-0593-431	142-0593-431	H	Gold	.086 Semi-Rigid - w/ O-ring, 1 piece body	20.13	17.81	14.25	13.23
*530-142-0593-436	142-0593-436	H	Nickel	.086 Semi-Rigid - w/ O-ring, 1 piece body	18.66	16.51	13.21	12.26
*530-142-0594-431	142-0594-431	H	Gold	.141 Semi-Rigid - w/ O-ring, 1 piece body	20.13	17.81	14.25	13.23
*530-142-0594-436	142-0594-436	H	Nickel	.141 Semi-Rigid - w/ O-ring, 1 piece body	18.66	16.51	13.21	12.26
Straight Jacks - Flexible Cable - Captivated Contacts								
*530-142-0303-011	142-0303-011	I	Gold	161/U, 174, 188, 316, LMR-100	8.90	8.26	7.72	7.18
*530-142-0302-431	142-0302-431	J	Gold	178/U, 196 - bulkhead	12.11	10.72	8.57	7.96
*530-142-0303-411	142-0303-411	J	Gold	161/U, 174, 188, 316 - bulkhead	8.46	7.79	7.06	6.47

SMA CONNECTOR TOOLING

Crimp Tools

For quantities greater than listed, call for quote.

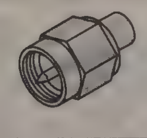
MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Price Each	
				1	5
530-140-0000-952	140-0000-952	K	Economy Hand Crimp Tool (Frame Only)	96.66	92.23
530-140-0000-951	140-0000-951	---	Die for 140-0000-952 (RG 178,316/DS,58,142,735A,LMR-100,195,200)	117.78	113.11

Semi-Rigid Assembly Tools

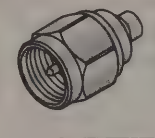
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Price Each
~~530-140-0000-962~~	140-0000-962	---	Soldering Vise (requires inserts and stop screw)	566.86
530-140-0000-981	140-0000-981	---	Vise Stop Screw	19.81
~~530-140-0000-964~~	140-0000-964	---	Semi-Rigid Cable Clamp Insert for .086" Cable	98.28
~~530-140-0000-965~~	140-0000-965	---	Semi-Rigid Cable Clamp Insert for .141" Cable	107.35
~~530-140-0000-982~~	140-0000-982	---	Soldering Mating Fixture for SMA Plugs	3.08
~~530-140-0000-973~~	140-0000-973	---	Soldering Mating Fixture for SMA Jacks	5.45
~~530-140-0000-975~~	140-0000-975	---	Complete Center Conductor Pointing Tool for .086" Cable	341.66
~~530-140-0000-976~~	140-0000-976	---	Complete Center Conductor Pointing Tool for .141" Cable	340.19

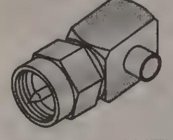
A



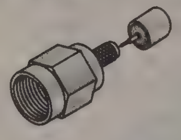
B



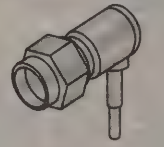
C



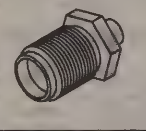
D



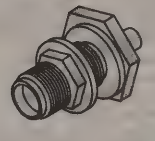
E



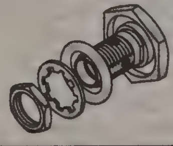
F



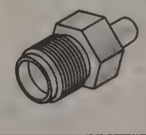
G



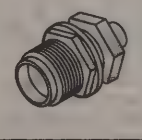
H



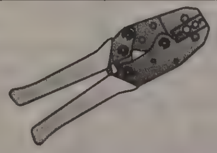
I



J



K



JOHNSON COMPONENTS RF Connectors

Johnson®
EMERSON.
Network Power
Connectivity Solutions

STAINLESS STEEL SMA CONNECTORS

- Impedance: 50Ω
- Frequency Range: up to 26.5 GHz
- Contact Plating: Gold
- Body Plating: Passivated and gold plating where soldering is required

* RoHS compliant per Johnson documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Cable Type - Description	Price Each		
					1	10	50
Straight Plugs - Solder - Semi-Rigid Cable							
530-141-0693-002	141-0693-002	A	Gold	.086 Semi-Rigid, w/ contact, captive nut, thin wall	8.09	7.14	6.07
* 530-141-0694-002	141-0694-002	A	Gold	.141 Semi-Rigid, w/ contact, captive nut, thin wall	8.21	7.24	6.16
530-141-0694-012	141-0694-012	B	Gold	.141 Semi-Rigid, w/o contact, thread-on nut interface	6.94	6.12	5.21
530-141-0693-062	141-0693-062	C	Gold	.086 Semi-Rigid, w/captivated solderless contact & nut	10.40	9.18	7.81
530-141-0694-062	141-0694-062	C	Gold	.141 Semi-Rigid, w/captivated solderless contact & nut	10.52	9.28	7.89
Straight Plugs (3-piece) - Crimp - Flexible Cable - Captivated Contact							
530-141-0403-012	141-0403-012	D	Passivated	RG161/U, 174, 188, 316, LMR100, HPF100, RF100	7.52	6.63	5.64
530-141-0404-112	141-0404-112	D	Passivated	RG188 DS, RG316 DS	10.75	9.49	8.07
530-141-0407-012	141-0407-012	D	Passivated	RG58/U, 141, 303, LMR195, HPF195, RF195	9.42	8.31	7.07
530-141-0408-012	141-0408-012	D	Passivated	RG55/U, 142, 223, 400	9.25	8.16	6.94
Right Angle Plugs - Crimp - Flexible Cable - Captivated Contact							
* 530-141-0403-102	141-0403-102	E	Passivated	RG161/U, 174, 188, 316	10.75	9.49	8.07
* 530-141-0407-102	141-0407-102	E	Passivated	RG58/U, 141 303	10.98	9.69	8.24
* 530-141-0408-102	141-0408-102	E	Passivated	RG55/U, 142, 223, 400	11.10	9.79	8.33
Straight Jacks - Solder - Semi-Rigid Cable							
530-141-0593-001	141-0593-001	F	Gold	.086 Semi-Rigid	9.25	8.16	6.94
530-141-0594-001	141-0594-001	F	Gold	.141 Semi-Rigid	9.83	8.67	7.37
Straight Bulkhead Jacks - Solder - Semi-Rigid Cable							
530-141-0593-401	141-0593-401	G	Gold	.086 Semi-Rigid, with O-Ring	17.34	15.30	13.01
530-141-0594-401	141-0594-401	G	Gold	.141 Semi-Rigid, with O-Ring	17.91	15.81	13.44
530-141-0593-421	141-0593-421	G	Gold	.086 Semi-Rigid, w/O-Ring, captivated solderless contact	18.49	16.32	13.87
530-141-0594-421	141-0594-421	G	Gold	.141 Semi-Rigid, w/O-Ring, captivated solderless contact	18.49	16.32	13.87
Straight Bulkhead Jacks (3-piece) - Crimp - Flexible Cable - Captivated Contact							
530-141-0303-412	141-0303-412	H	Passivated	RG161/U, 174, 188, 316	10.98	9.69	8.24
530-141-0304-412	141-0304-412	H	Passivated	RG188 DS, RG316 DS	11.04	9.74	8.28
530-141-0307-412	141-0307-412	H	Passivated	RG58/U, 141 303	13.87	12.24	10.41
530-141-0308-412	141-0308-412	H	Passivated	RG55/U, 142, 223, 400	13.64	12.04	10.23
Vertical PCB Jacks							
530-141-0701-201	141-0701-201	I	Gold	Round base, .155" legs, thru-hole	7.86	6.94	5.90
Right Angle PCB Jacks							
530-141-0701-301	141-0701-301	J	Gold	Square base, .155" legs, thru-hole	12.14	10.71	9.11
Panel Mount Receptacles							
530-141-0701-402	141-0701-402	K	Passivated	Bulkhead, rear mount, solder cup	8.73	7.70	6.55
530-141-0701-602	141-0701-602	L	Passivated	2 hole flange mount, flush dielectric, solder cup	9.61	8.50	6.80
530-141-0701-612	141-0701-612	M	Passivated	4 hole flange mount, flush dielectric, solder cup	6.50	5.77	4.88
530-141-0701-622	141-0701-622	N	Passivated	2 hole flange mount, extended dielectric	9.95	8.80	7.04

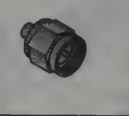
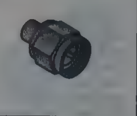
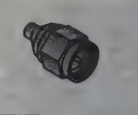
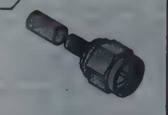
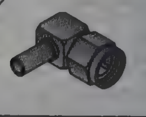
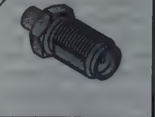
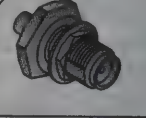
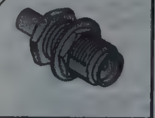
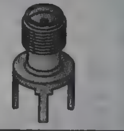
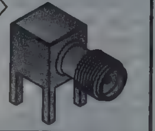
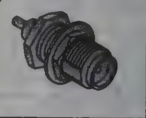
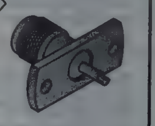
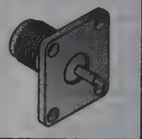
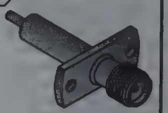
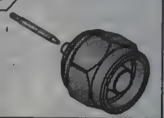
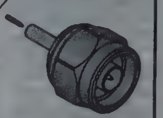
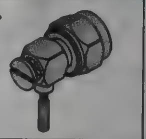
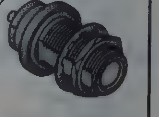
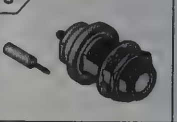
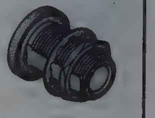
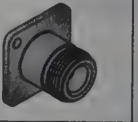
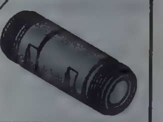
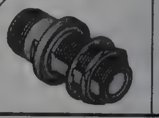
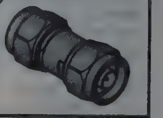
N TYPE CONNECTORS

- Impedance: 50Ω
- Frequency Range: up to 11 GHz
- Contact Plating: Gold
- Body Plating: Tri-Alloy and gold plating where soldering is required

* RoHS compliant per Johnson documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Body Plating	Cable Type - Description	Price Each		
					1	10	50
Straight Plugs - Solder - Semi-Rigid Cable - Tri-Alloy Plated Coupling Nut							
530-138-4693-001	138-4693-001	O	Gold	.086 Semi-Rigid, solder contact	16.87	14.89	12.66
530-138-4694-001	138-4694-001	O	Gold	.141 Semi-Rigid, solder contact	16.87	14.89	12.66
530-138-4696-001	138-4696-001	O	Gold	.250 Semi-Rigid, solder contact	17.14	15.12	12.86
530-138-4693-011	138-4693-011	O	Gold	.086 Semi-Rigid, captivated solderless contact	17.80	15.21	13.26
530-138-4694-011	138-4694-011	O	Gold	.141 Semi-Rigid, captivated solderless contact	17.87	15.77	13.41
530-138-4696-011	138-4696-011	O	Gold	.250 Semi-Rigid, captivated solderless contact	16.94	14.95	12.71
Straight Plugs - Crimp - Flexible Cable							
530-138-4403-007	138-4403-007	P	Tri-Alloy	RG161/U, 174, 188, 316	16.00	14.12	12.01
530-138-4404-007	138-4404-007	P	Tri-Alloy	RG188 DS, RG316 DS	16.54	14.59	12.41
523-138-4407-007	138-4407-007	P	Tri-Alloy	RG58/U, 141 303	12.54	11.06	9.41
530-138-4408-007	138-4408-007	P	Tri-Alloy	RG55/U, 142, 223, 400	12.54	11.06	9.41
530-138-4416-007	138-4416-007	P	Tri-Alloy	RG8/U, 213	13.87	12.24	10.41
530-138-4418-007	138-4418-007	P	Tri-Alloy	RG9/U, 214	13.60	12.01	10.21
530-138-4449-007	138-4449-007	P	Tri-Alloy	LMR400, Belden 9913	13.34	11.77	10.01
Right Angle Plugs - Crimp - Flexible Cable - Captivated Contact							
530-138-4403-107	138-4403-107	Q	Tri-Alloy	RG161/U, 174, 188, 316	20.27	17.89	15.21
530-138-4404-107	138-4404-107	Q	Tri-Alloy	RG188 DS, RG316 DS	20.80	18.36	15.61
530-138-4407-107	138-4407-107	Q	Tri-Alloy	RG58/U, 141 303	21.07	18.59	15.81
530-138-4408-107	138-4408-107	Q	Tri-Alloy	RG55/U, 142, 223, 400	21.07	18.59	15.81
530-138-4416-107	138-4416-107	Q	Tri-Alloy	RG8/U, 213	22.00	19.42	16.51
530-138-4418-107	138-4418-107	Q	Tri-Alloy	RG9/U, 214	22.00	19.42	16.51
Straight Bulkhead Jacks - Solder - Semi-Rigid Cable - Tri-Alloy Plated Body							
530-138-4593-401	138-4593-401	R	Gold	.086 Semi-Rigid, solder contact	18.40	16.24	13.81
* 530-138-4594-401	138-4594-401	R	Gold	.141 Semi-Rigid, solder contact	18.34	16.18	13.76
530-138-4596-401	138-4596-401	R	Gold	.250 Semi-Rigid, solder contact	18.40	16.24	13.81
Straight Bulkhead Jacks - Crimp - Flexible Cable							
530-138-4303-407	138-4303-407	S	Tri-Alloy	RG161/U, 174, 188, 316	21.07	18.59	15.81
* 530-138-4304-407	138-4304-407	S	Tri-Alloy	RG188 DS, RG316 DS	21.07	18.59	15.81
* 530-138-4307-407	138-4307-407	S	Tri-Alloy	RG58/U, 141 303	20.60	18.18	15.46
530-138-4308-407	138-4308-407	S	Tri-Alloy	RG55/U, 142, 223, 400	20.60	18.18	15.46
530-138-4316-407	138-4316-407	S	Tri-Alloy	RG8/U, 213	20.34	17.95	15.26
530-138-4318-407	138-4318-407	S	Tri-Alloy	RG9/U, 214	20.67	18.24	15.51
530-138-4349-407	138-4349-407	S	Tri-Alloy	LMR400, Belden 9913	20.87	18.42	15.66
Panel Mount Receptacles							
530-138-4701-407	138-4701-407	T	Tri-Alloy	Bulkhead, rear mount, solder cup	25.34	22.36	19.01
530-138-4701-607	138-4701-607	U	Tri-Alloy	4 hole flange mount, flush dielectric, solder cup	25.34	22.36	19.01
Adapters							
530-138-4901-807	138-4901-807	V	Tri-Alloy	Jack to Jack	34.40	30.36	25.81
530-138-4901-407	138-4901-407	W	Tri-Alloy	Jack to Bulkhead Jack	39.67	35.01	29.76
530-138-4901-817	138-4901-817	X	Tri-Alloy	Plug to Plug	42.93	37.89	32.21

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X


JOHNSON COMPONENTS RF Connectors

SMB CONNECTORS

- Impedance: 50Ω
- Connector Bodies: Machined Brass
- Body Plating: Gold or Nickel
- Durability: 500 Cycles minimum
- Frequency Range: 0-4.0 GHz for Flexible Cable Types
- Contact Plating: Gold
- Insulators: PTFE Fluorocarbon
- Temperature Range: -65° to +165°C

∗ RoHS compliant per Johnson documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	RG Cable - Description	Price Each			
					1	10	50	100
Straight Plugs - Flexible Cable								
∗ 530-131-1403-001	131-1403-001	A	Gold	161/U, 174, 188, 316, LMR-100	8.84	7.96	6.63	6.12
∗ 530-131-1403-016	131-1403-016	A	Nickel	161/U, 174, 188, 316, LMR-100	5.01	4.51	3.76	3.47
Right Angle Plugs - Flexible Cable								
∗ 530-131-1403-101	131-1403-101	B	Gold	161/U, 174, 188, 316, LMR-100	5.33	4.90	4.51	4.25
∗ 530-131-1403-116	131-1403-116	B	Nickel	161/U, 174, 188, 316, LMR-100	4.50	3.96	3.43	2.89
Vertical PCB Jacks								
∗ 530-131-3701-201	131-3701-201	C	Gold	.155" Legs, Machined Brass, .312" Dia. Base	2.25	1.87	1.59	1.34
∗ 530-131-3701-206	131-3701-206	C	Nickel	.155" Legs, Machined Brass, .312" Dia. Base	2.05	1.85	1.54	1.42
∗ 530-131-3701-261	131-3701-261	D	Gold	.155" Legs, Machined Brass, .236" Sq. Base	2.49	2.24	1.87	1.72
∗ 530-131-3701-271	131-3701-271	D	Gold	.095" Legs, Machined Brass, .236" Sq. Base	2.80	2.52	2.10	1.94
∗ 530-131-1701-201	131-1701-201	D	Gold	.155" Legs, Die Cast	2.78	2.44	2.10	1.80
∗ 530-131-1701-206	131-1701-206	D	Nickel	.155" Legs, Die Cast	2.62	2.30	1.98	1.83
∗ 530-131-1701-211	131-1701-211	D	Gold	.095" Legs, Die Cast	2.28	2.05	1.71	1.58
∗ 530-131-1701-216	131-1701-216	D	Nickel	.095" Legs, Die Cast	4.06	3.66	3.05	2.81
∗ 530-131-3711-201	131-3711-201	E	Gold	Surface Mount, .250" Sq. Base, Mach. Brass	4.96	4.46	3.84	3.37
Right Angle PCB Jacks								
∗ 530-131-3701-301	131-3701-301	F	Gold	.155" Legs, Machined Brass	5.30	4.64	3.99	3.42
∗ 530-131-3701-306	131-3701-306	F	Nickel	.155" Legs, Machined Brass	7.95	7.15	5.96	5.50
∗ 530-131-1701-371	131-1701-371	G	Gold	.110" Legs, Die Cast	5.24	4.61	4.24	4.00
∗ 530-131-1701-376	131-1701-376	G	Nickel	.110" Legs, Die Cast	5.05	4.44	4.08	3.84
∗ 530-131-3701-501	131-3701-501	H	Gold	Bulkhead, .083" Legs, Machined Brass	10.83	9.80	8.54	7.34
∗ 530-131-3701-341	131-3701-341	H	Gold	Bulkhead, .155" Legs, Machined Brass	7.06	6.20	5.32	4.88
530-131-3701-346	131-3701-346	H	Nickel	Bulkhead, .155" Legs, Machined Brass	7.44	6.69	6.01	5.55

MINI SMB 75 OHM CONNECTORS

- RoHS compliant per Johnson documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	RG Cable - Description	Price Each			
					1	10	50	100
530-131-8403-001	131-8403-001	A	Gold	Straight Plug, RG-179, 187	8.50	7.65	6.37	5.88
530-131-8403-101	131-8403-101	B	Gold	Right Angle Plug, RG-179, 187	8.97	8.12	6.77	6.09
530-131-8701-201	131-8701-201	C	Gold	Vertical PCB Jack, .083" Legs, Machined Brass	2.25	2.03	1.69	1.56
530-131-8701-206	131-8701-206	C	Nickel	Vertical PCB Jack, .083" Legs, Machined Brass	2.35	2.16	1.99	1.84

SMB/MCX CONNECTOR TOOLING

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Cable Type - Description	Price Each	
				1	5
530-140-0000-952	140-0000-952	I	Economy Hand Crimp Tool (Frame Only)	96.66	92.23
530-140-0000-951	140-0000-951	- - -	Die Set for Crimp Tool (RG 178, 316/DS, 58, 142, 735A, LMR-100, 195, 200)	117.78	113.11

MCX CONNECTORS

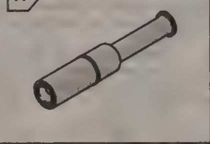
- Impedance: 50Ω
- Connector Bodies: Machined Brass
- Body Plating: Gold or Nickel
- Durability: 500 Cycles minimum
- RoHS compliant per Johnson documentation
- Frequency Range: 0-6.0 GHz for Flexible Cable Types
- Insulators: PTFE Fluorocarbon
- Temperature Range: -65° to +165°C
- Contact Plating: Gold

RoHS Compliant

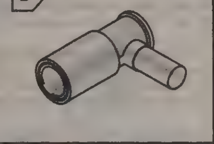
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	RG Cable - Description	Price Each			
					1	10	50	100
Straight Plugs - Flexible Cable								
530-133-3403-001	133-3403-001	J	Gold	RG-188/U, 316, 161, 174 - Captivated Contact	4.13	3.53	3.24	2.98
Right Angle Plugs - Flexible Cable								
530-133-3402-101	133-3402-101	K	Gold	RG-178/U, 196 - Captivated Contact	5.45	5.14	4.61	4.11
530-133-3403-101	133-3403-101	K	Gold	RG-188/U, 316, 161, 174 - Captivated Contact	5.58	4.24	3.64	3.34
530-133-3403-106	133-3403-106	K	Nickel	RG-188/U, 316, 161, 174 - Captivated Contact	3.98	3.75	3.36	3.00
530-133-3404-106	133-3404-106	K	Nickel	RG-188DS, 316DS Captivated Contact	5.60	5.28	4.73	4.22
Vertical PCB Jacks								
530-133-3701-201	133-3701-201	L	Gold	.155" Legs, .236" Square Base	3.66	3.17	2.72	2.33
530-133-3701-211	133-3701-211	L	Gold	.110" Legs, .236" Square Base	3.76	3.30	2.83	2.43
530-133-3701-216	133-3701-216	L	Nickel	.110" Legs, .236" Square Base	3.58	3.14	2.69	2.31
530-133-3701-231	133.3701-231	M	Gold	.115" Legs, .188" Diameter Round, Base	4.32	3.75	3.23	2.77
530-133-3701-236	133.3701-236	M	Nickel	.115" Legs, .188" Diameter Round. Base	4.11	3.56	2.87	2.58
530-133-3711-201	133-3711-201	N	Gold	Surface Mount, .236" Square Base	5.33	4.73	4.07	3.44
Right Angle PCB Jacks								
530-133-3701-301	133-3701-301	O	Gold	.155" Legs, .236" Square Base	7.94	6.96	6.40	6.17
530-133-3701-306	133-3701-306	O	Nickel	.155" Legs, .236" Square Base	7.77	6.81	6.26	6.04
530-133-3701-311	133-3701-311	O	Gold	.110" Legs, .236" Square Base	8.46	7.41	6.37	5.92
530-133-3701-316	133-3701-316	O	Nickel	.110" Legs, .236" Square Base	10.07	9.49	8.51	7.59
530-133-3711-301	133-3711-301	P	Gold	Surface Mount, .236" Square Base	8.85	7.74	6.66	6.32
Panel Mount Jacks								
530-133-3701-401	133-3701-401	Q	Gold	Front Mnt. Bulkhead Receptacle, D-Flat Threaded	6.82	6.43	5.76	5.14
530-133-3701-406	133-3701-406	Q	Nickel	Front Mnt. Bulkhead Receptacle, D-Flat Threaded	7.42	6.99	6.27	5.60
530-133-3701-411	133-3701-411	R	Gold	Front Mnt. Bulkhead Receptacle, Press Fit Knurl	4.84	4.56	4.09	3.65
End Launch Jacks								
530-133-3701-801	133-3701-801	S	Gold	.062" Board Thickness, .250" Sq. Mnt, Rnd Cont.	4.75	4.17	4.01	3.06
530-133-3711-801	133-3711-801	T	Gold	Surface Mount, Round Contact	4.79	4.51	4.04	3.61

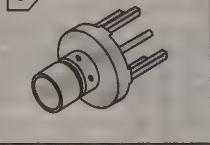
A



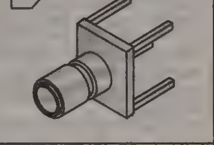
B



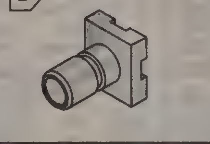
C



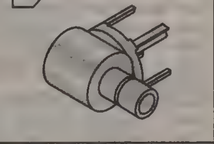
D



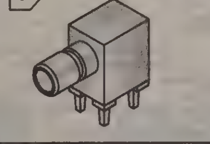
E



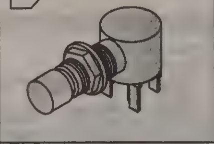
F



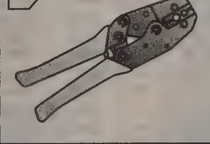
G



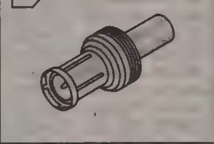
H



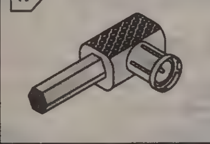
I



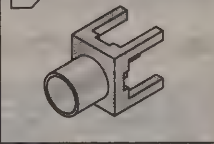
J



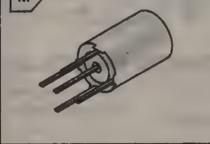
K



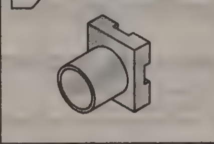
L



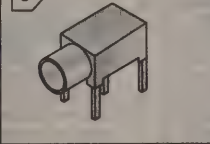
M



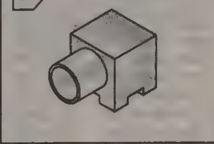
N



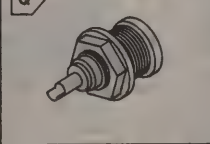
O



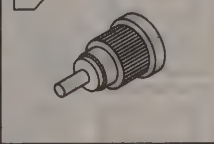
P



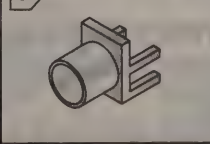
Q



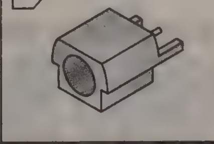
R



S



T



SMK (2.92MM) 40 GHZ CONNECTORS

Precision SMK connector provides an excellent solution for demanding applications requiring high frequency transmission. Although similar to a SMA connector, a smaller internal body diameter and air dielectric provide a higher cutoff frequency.

- Connector Mating: per MIL-STD-348
- Impedance: 50Ω
- Connector Body: Stainless Steel
- RoHS compliant per Johnson documentation
- Temperature Range: -65° to 165°C
- Frequency Range: 0-40GHz
- Contacts: Gold Plated
- Durability: 500 Cycles Minimum

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	RG Cable - Description	Price Each		
					1	10	50
Straight Plugs for Semi-Rigid							
530-145-0693-001	145-0693-001	A	Gold	.086 Semi-Rigid, with contact, slide-on nut	14.35	12.86	10.59
530-145-0693-002	145-0693-002	A	Passivated	.086 Semi-Rigid, with contact, slide-on nut	13.58	12.17	10.02
530-145-0694-001	145-0694-001	A	Gold	.141 Semi-Rigid, with contact, slide-on nut	13.71	12.29	10.12
530-145-0694-002	145-0694-002	A	Passivated	.141 Semi-Rigid, with contact, slide-on nut	12.20	11.83	9.74
Receptacles							
530-145-0701-601	145-0701-601	B	Gold	2-Hole Flange Mount Jack	26.27	23.54	19.38
530-145-0701-602	145-0701-602	B	Passivated	2-Hole Flange Mount Jack	22.55	20.21	16.64
530-145-0701-611	145-0701-611	C	Gold	4-Hole Flange Mount Jack	24.86	22.28	18.34
530-145-0701-612	145-0701-612	C	Passivated	4-Hole Flange Mount Jack	21.01	18.83	15.50
530-145-0701-001	145-0701-001	D	Gold	Thread Mount Jack - Field Replaceable	17.55	15.73	12.95
530-145-0701-002	145-0701-002	D	Passivated	Thread Mount Jack - Field Replaceable	14.61	13.09	10.78
530-142-1000-033	142-1000-033	E	Gold	Hermetic Seal Feed-thru	14.29	13.10	12.68
Adapters							
530-145-0901-801	145-0901-801	F	Gold	Jack to Jack Adapter	57.65	51.66	42.53
530-145-0901-811	145-0901-811	G	Gold	Plug to Plug Adapter	76.86	68.88	56.70
530-145-0901-821	145-0901-821	H	Gold	Plug to Jack Adapter	70.46	63.14	51.98

MMCX CONNECTORS

- Impedance: 50Ω
- Connector Body: Brass
- RoHS compliant per Johnson documentation
- Temperature Range: -65° to 165°C
- Frequency Range: 0-6 GHz
- Durability: 500 Cycles Minimum

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Plating	Description	Price Each		
					1	10	50
530-135-3402-001	135-3402-001	I	Gold	Straight Plug for RG-178/U, 196	5.08	4.18	3.60
530-135-3403-001	135-3403-001	I	Gold	Straight Plug for RG-316/U, 188, 161, 174	7.22	6.25	5.36
530-135-3402-101	135-3402-101	J	Gold	Right Angle Plug for RG-178/U, 196	7.86	6.86	5.90
530-135-3403-101	135-3403-101	J	Gold	Right Angle Plug for RG-316/U, 188, 161, 174	7.97	6.90	5.96
530-135-3701-201	135-3701-201	K	Gold	Vertical PCB Jack, .115" Legs	4.76	4.17	3.58
530-135-3701-211	135-3701-211	K	Gold	Vertical PCB Jack, .068" Legs	3.70	3.32	3.21
530-135-3711-201	135-3711-201	L	Gold	Surface Mount Vertical Jack, .030" legs	5.57	4.66	4.09
530-135-3701-301	135-3701-301	M	Gold	Right Angle PCB Jack, .115" legs	9.01	8.08	6.78
530-135-3701-311	135-3701-311	M	Gold	Right Angle PCB Jack, .068" legs	8.72	7.93	6.82
530-135-3711-801	135-3711-801	N	Gold	End Launch Surface Mount Jack,	5.98	5.18	4.45

MMCX CONNECTOR TOOLING

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Price Each	
				1	5
530-140-0000-952	140-0000-952	O	Economy Hand Crimp Tool (Frame Only)	96.66	92.23
530-140-0000-953	140-0000-953	- - -	Die Set for Crimp Tool (RG 178, 316/DS)	200.34	195.75
530-141-0000-910	141-0000-910	- - -	Assembly/ Decoupling Tool	34.94	33.21

IN-SERIES AND BETWEEN SERIES ADAPTERS

- Connector Body: Brass
- Body Plating: Gold
- RoHS compliant per Johnson documentation
- Durability: 500 Cycles Minimum
- Temperature Range: -65° to 165°C

RoHS Compliant

For quantities of 25 and up, call for quote.

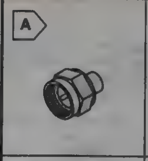
MOUSER STOCK NO.	Johnson Components Part No.	Fig.	Description	Frequency Range	Price Each	
					1	10
530-142-0901-801	142-0901-801	P	SMA Jack to SMA Jack	0-18 GHz	11.00	10.13
530-142-0901-401	142-0901-401	Q	SMA Jack to SMA Jack (Bulkhead Type)	0-18 GHz	17.41	15.68
530-142-0901-941	142-0901-941	R	SMA Jack to SMA Plug (Right Angle)	0-18 GHz	16.18	14.32
530-142-0901-811	142-0901-811	S	SMA Plug to SMA Plug	0-18 GHz	14.70	12.90
530-142-0901-821	142-0901-821	T	SMA Plug to SMA Jack	0-18 GHz	15.78	13.96
530-134-1012-011	134-1012-011	U	SMA Plug to SMB Jack	0-4 GHz	37.23	35.58
530-134-1012-021	134-1012-021	V	SMA Plug to SMB Plug	0-4 GHz	46.79	44.02
530-134-1012-031	134-1012-031	W	SMA Jack to SMB Jack	0-4 GHz	42.89	40.92
530-134-1012-041	134-1012-041	X	SMA Jack to SMB Plug	0-4 GHz	37.23	35.26
530-134-1018-001	134-1018-001	Y	SMA Plug to MCX Jack	0-6 GHz	46.00	43.97
530-134-1018-011	134-1018-011	Z	SMA Plug to MCX Plug	0-6 GHz	47.38	45.97
530-134-1018-021	134-1018-021	AA	SMA Jack to MCX Jack	0-6 GHz	43.43	42.14
530-134-1018-031	134-1018-031	BB	SMA Jack to MCX Plug	0-6 GHz	43.43	42.14
530-134-1019-151	134-1019-151	CC	SMA Plug to MMCX Jack	0-6 GHz	47.38	45.97
530-134-1019-161	134-1019-161	DD	SMA Plug to MMCX Plug	0-6 GHz	51.33	49.07
530-134-1019-181	134-1019-181	EE	SMA Jack to MMCX Plug	0-6 GHz	47.38	45.97

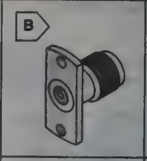
IN-SERIES AND BETWEEN SERIES ADAPTER KIT

- RoHS compliant per Johnson documentation

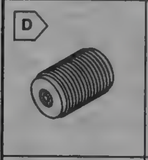
For quantities greater than listed, call for quote.

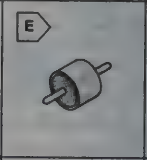
MOUSER STOCK NO.	Johnson Components Part No.	Description	Price Each	
			1	5
530-142-0000-005	142-0000-005	72 Piece Adapter Kit (SMA, BNC, RCA, AND N Types)	318.93	307.12

A


B


C

D


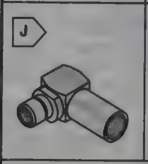
E


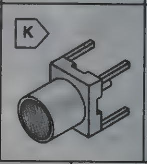
F

G

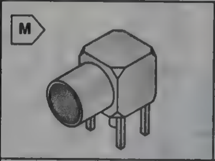
H

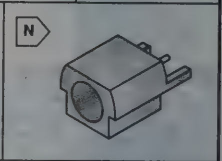
I

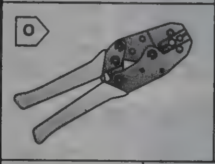
J


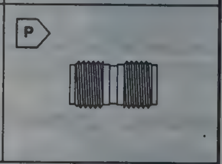
K


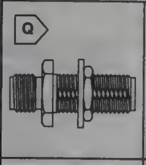
L

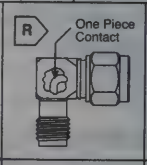
M


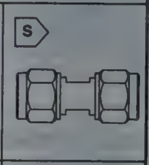
N


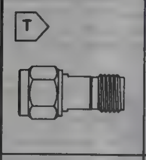
O


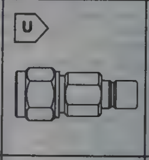
P


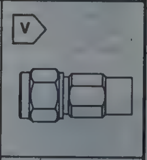
Q


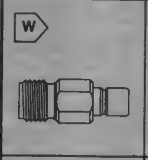
R


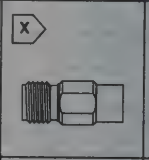
S


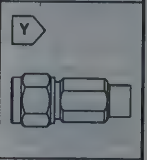
T


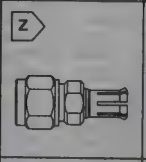
U


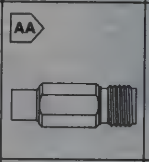
V


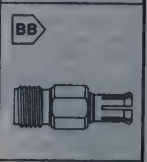
W


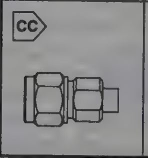
X


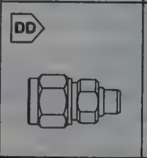
Y


Z


AA


BB


CC


DD


EE

KOBICONN RF Connectors

BNC / TNC / UHF

KOBICONN

BNC, TNC CONNECTORS, AND ADAPTERS

Designed for the requirements of commercial applications that do not require performance above 1-3GHz.

- Nickel plated pins
- Delrin insulators
- For instrumentation, medical equipment

BNC Connectors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG/U Cable Type	Price Each			
				1	10	100	500
171-9313	A	BNC plug connector, clamp type	58	1.88	1.45	1.32	1.20
171-9311	B	BNC plug connector, with strain relief	58	1.87	1.44	1.31	1.19
171-9314	C	BNC plug, crimp type	58	1.83	1.41	1.28	1.17
171-9315	D	BNC plug, 2 piece crimp type, with pin	59	1.89	1.57	1.43	1.29
161-9312	E	BNC jack with strain relief	58	2.21	1.70	1.55	1.41
161-9320	F	BNC receptacle, panel mount	-----	1.99	1.66	1.51	1.38
161-9323	G	BNC chassis receptacle	-----	1.79	1.37	1.25	1.14
161-9331	H	BNC chassis PCB receptacle	-----	1.98	1.65	1.50	1.35

TNC Connectors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG/U Cable Type	Price Each			
				1	10	100	500
161-9421	I	TNC female chassis receptacle	-----	1.03	.86	.71	.64

Inter-Series Adapters

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG/U Cable Type	Price Each			
				1	10	100	500
161-9731	J	BNC jack to "F" plug	-----	2.36	1.81	1.65	1.50
161-9732	K	BNC male to RCA phono plug	-----	3.18	2.45	2.22	2.02
161-9633	L	F jack to BNC plug	-----	1.77	1.48	1.34	1.22
161-9710	M	RCA phono plug to "F" jack	-----	.98	.82	.74	.68
161-9737	N	BNC jack to BNC jack	-----	1.68	1.40	1.18	1.08

COMMERCIAL BNC/TNC CONNECTORS 50 OHM IMPEDANCE

- Impedance: 50Ω
- Frequency range: 0-4 GHz
- VSWR: 1.3:1 max.
- Vibration, shock, moisture resistance
- Contact resistance: inner contact - 1.5mΩ max.
  outer contact - .2mΩ max.
- Voltage rating: 500VRMs
- Insulation resistance: 5000MΩ min.
- Temperature range: -55°C to +85°C

Receptacles

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
161-9317	O	Vertical PCB receptacle	3.77	2.90	2.64	2.40

UHF CONNECTORS

For quantities of 1000 and up, call for quote.

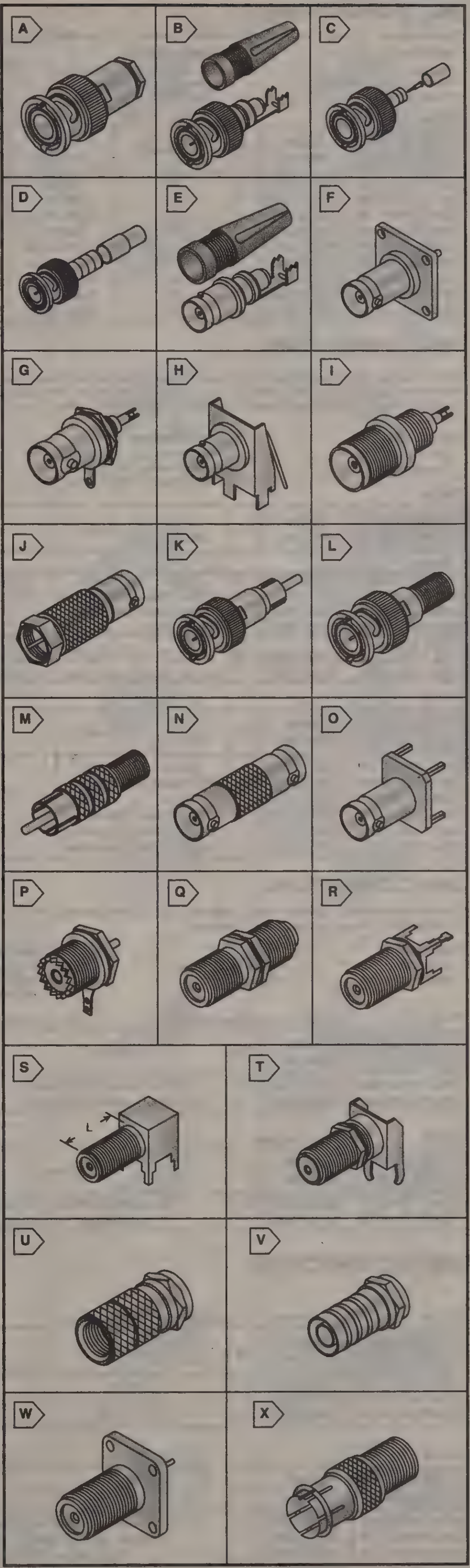
MOUSER STOCK NO.	Fig.	Description	RG/U Cable Type	Price Each			
				1	10	100	500
16PJ104-EX	P	Front panel mount	-----	1.55	1.29	1.18	1.06

F TYPE CONNECTORS

(CATV / MATV) Type

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	RG Cable Type	Price Each			
				1	10	100	500
16SF081	Q	F type through chassis receptacle .38" mtg. hole	-----	1.24	1.04	.94	.86
161-5370	R	F-61 PC mount receptacle	-----	1.01	.78	.71	.65
161-5371	S	F-61 PC mount receptacle, right angle L= .92"	-----	3.53	2.72	2.47	2.25
161-5372	T	F receptacle, panel mount, right angle	-----	1.39	1.20	1.09	.99
171-9113	U	F connector, twist on	RG59U	.72	.48	.30	.27
171-9114	V	F connector, CATV, crimp type	RG6U	.70	.54	.49	.45
171-0059	V	F connector, crimp type	RG59U	.70	.54	.49	.45
161-9126	W	F receptacle, panel mount	-----	4.81	3.70	3.36	3.06
161-5369	X	F Jack to push-on plug	-----	1.27	.98	.89	.81



MOLEX RF Connectors

BNC CONNECTORS

These are small, lightweight, weatherproof miniature connectors. The two stud bayonet coupling system of the BNC yields an easy-to-use, quick connecting/disconnecting device.

Features:
- Miniature
- Bayonet lock coupling
- Weatherproof

Specifications:
- Frequency Range: dc-4 GHz
- Voltage Rating: 500 Vrms
- Contact Plating: Gold
- Temperature: -65 to +165°C
- Mounting: PCB

BNC PCB Jacks

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Impedance	PCB Mounting	Body Plating	Description	Price Each			
							1	10	25	50
538-73100-0153	73100-0153	A	50	Vertical	Nickel	Brass Body, .175" Legs	3.05	2.75	2.60	2.45
538-73101-0030	73101-0030	B	75	Vertical	Nickel	Bulkhead, Metal Body, Fork Pins	1.94	1.55	1.40	1.25
538-73100-0105	73100-0105	C	50	Right Angle	Nickel	Narrow Profile, .118" Legs	1.55	1.24	1.12	1.00
538-73131-5003	73131-5003	D	50	Vertical	Nickel	Bulkhead, Black Valox Body	1.68	1.35	1.21	1.08
538-73137-5003	73137-5003	E	50	Right Angle	Nickel	Bulkhead, Black Valox Body	1.72	1.54	1.46	1.37
538-73100-0067	73100-0067	E	75	Right Angle	Nickel	Bulkhead, Black Valox Body	2.06	1.86	1.75	1.65
538-73100-0069	73100-0069	E	75	Right Angle	Nickel	Bulkhead, White Valox Body	1.55	1.40	1.32	1.24
538-73101-0040	73101-0040	E	75	Right Angle	Nickel	Bulkhead, Metal Body	1.53	1.38	1.30	1.23
538-73101-0120	73101-0120	F	75	Right Angle	Nickel	Bulkhead, Metal Body, Low Profile	1.55	1.40	1.32	1.24

SMA CONNECTORS

SMA Connectors are high performance subminiature connectors for the microwave frequencies. These connectors are typically specified to operate up to 18GHz but will function mode free to 25GHz. The screw threaded coupling insures uniform contact of the outer conductors, which enables the SMA to minimize reflections and attenuation at higher frequencies while providing a high degree of mechanical strength and durability.

Features:
- Subminiature
- Threaded coupling

Specifications:
- Frequency Range: dc - 18 GHz
- Voltage Rating: 335 Vrms
- Temperature: -65 to +165°C
- Contact Plating: Gold
- Impedance: 50Ω

Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Body Material	Plating	RG Cable	Mounting	Price Each			
							1	10	25	50
Straight										
538-73251-0450	73251-0450	G	Brass	Gold	174, 179, 187, 188, 316, LMR100 Belden 7805	Standard	2.93	2.64	2.49	2.35
538-73251-0151	73251-0151	G	Stnless Steel	Passivated	174, 179, 187, 188, 316, LMR100 Belden 7805	Standard	3.02	2.71	2.56	2.41
538-73251-0031	73251-0031	G	Stnless Steel	Gold	.141 Semi-Rigid	Standard	4.37	3.94	3.72	3.50
538-73251-0051	73251-0051	G	Stnless Steel	Gold	.086 Semi-Rigid	Standard	3.45	3.10	2.93	2.76
Right Angle										
538-73391-0230	73391-0230	H	Brass	Gold	174, 179, 187, 188, 316, LMR100 Belden 7805	Standard	4.50	4.05	3.82	3.60
538-73251-0211	73251-0211	H	Stnless Steel	Passivated	174, 179, 187, 188, 316, LMR100 Belden 7805	Standard	6.31	5.68	5.37	5.05

Jacks

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Body Material	Plating	Description	Price Each			
						1	10	25	50
538-73391-0070	73391-0070	I	Brass	Gold	Vertical PCB, .157" Legs	3.22	2.58	2.44	2.30
538-73391-0080	73391-0080	J	Zinc (Diecast)	Nickel	Right Angle PCB, .155" Legs	3.87	3.10	2.78	2.47
538-73100-0114	73100-0114	J	Brass	Gold	Right Angle PCB, .155" Legs	6.19	5.57	5.26	4.95
538-73251-0420	73251-0420	K	Stnless Steel	Passivated	2 hole flange, Blunt post	3.67	3.31	3.12	2.94
538-73251-0250	73251-0250	K	Stnless Steel	Passivated	2 hole flange, Solder cup	3.78	3.40	3.21	3.02
538-73251-0410	73251-0410	L	Stnless Steel	Passivated	4 hole flange, Blunt post	5.23	4.81	4.19	3.77

SMB CONNECTORS

These are a subminiature connector series designed for applications operating to 4 GHz. This series includes a snap on interface that is controlled by industry standard specifications and is easy to connect and disconnect.

Features:
- Subminiature
- Snap-on coupling
- Body Material: Brass
- Plating: Gold

Specifications:
- Frequency Rating: dc-4 GHz
- Voltage Rating: 500 Vrms
- Temperature: -65 to +165°C

Plugs

- Center contact solder termination
- Crimp braid termination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	RG Cable	Impedance	Price Each			
						1	10	25	50
538-73100-0248	73100-0248	M	Straight solder/crimp cable	174, 179, 187, 188, 316	50 Ohm	4.51	3.61	3.25	2.90
538-73100-0257	73100-0257	N	Right angle solder/crimp cable	174, 188, 316	50 Ohm	5.11	4.61	4.35	4.10

Jacks

- PCB Standoffs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	Mounting	Impedance	Price Each			
						1	10	25	50
538-73100-0207	73100-0207	O	Vertical PCB, .155" Legs	PCB	50 Ohm	3.10	2.48	2.23	1.98
538-73100-0103	73100-0103	P	Right Angle PCB, .118" Legs	PCB	50 Ohm	3.87	3.10	2.78	2.47

MMCX CONNECTORS

Plugs

- Cable crimp
- Impedance: 50Ω
- Plating: Gold

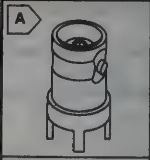
For quantities of 100 and up, call for quote.

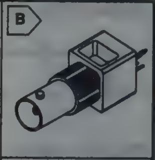
MOUSER STOCK NO.	Molex Part No.	Fig.	Type	RG Cable	Mounting	Price Each			
						1	10	25	50
538-73415-1251	73415-1251	Q	Straight	174, 316, LMR100, Belden 7805	Standard	3.87	3.10	2.78	2.47
538-73415-0951	73415-0951	R	Right Angle	178	Standard	3.87	3.10	2.78	2.47
538-73415-1121	73415-1121	R	Right Angle	174, 316, LMR100, Belden 7805	Standard	4.31	3.45	2.93	2.76

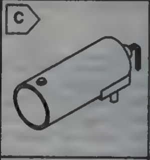
Jacks

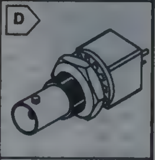
For quantities of 100 and up, call for quote.

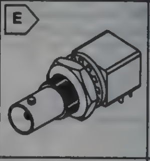
MOUSER STOCK NO.	Molex Part No.	Fig.	Type	Mounting	Price Each			
					1	10	25	50
538-73415-2061	73415-2061	S	Vertical, Surface Mount	PCB	2.88	2.65	2.31	2.08
538-73415-1471	73415-1471	T	Vertical, Surface Mount, .119" Legs	PCB	3.97	3.57	3.21	2.89
538-73415-1001	73415-1001	U	Right Angle, .118" Legs	PCB	4.45	4.01	3.79	3.57

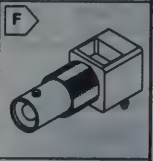


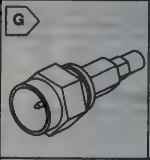


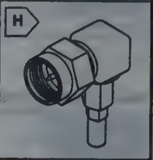


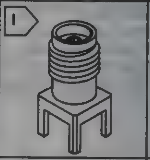


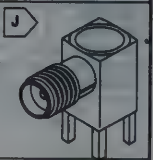


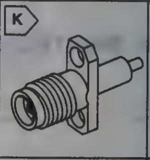


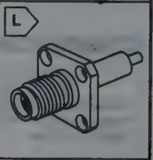


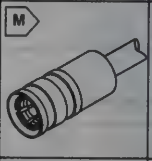


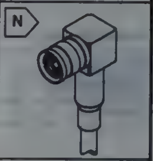


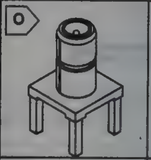


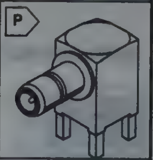


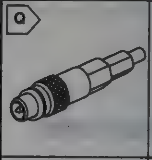


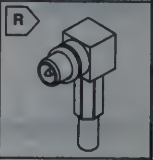


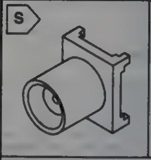


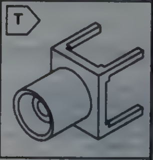


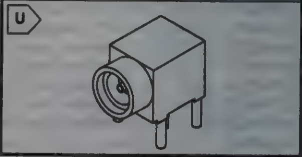












POMONA RF Connectors

50 OHM BNC STRAIGHT COAXIAL PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	7035	A	BNC (M) Crimp, 55A, 142, 142A, 223, 400	4.66	4.40	4.07
565	7037	A	BNC (M) Crimp and Captive, 58, 58A, 58C, 141, 141A	4.66	4.40	4.07
565	7038	A	BNC (M), Crimp and Captive, 55A, 142, 142A, 223, 400	4.36	4.12	3.81
565	7039	A	BNC (M),Crimp and Captive, 58, 58A, 58C, 141, 141A	4.36	4.12	3.81
565	7040	B	BNC (M), Crimp 174, 188, 188A, 316	5.45	5.14	4.82
565	7041	B	BNC (M), Crimp, 179, 179B, 187, 187A, 174, 188, 188A, 316	5.52	5.20	4.82
565	7207	C	BNC (M), 50Ω, Wrench Crimp RG-223, 50Ω	6.36	6.02	5.79

CRIMP TOOLS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	25
565	7277	D	Crimp Tool (Handle only)	78.56	78.06
565	7278	D	Crimp, Die Set RG 55 / 58 / 59 / 62 / 141 / 142 / 223 / 303 / 400	35.74	33.91
565	7279	D	Crimp Die Set RG 174 / 178 / 179 / 180 / 187 / 188 / 195 / 196 / 316	35.74	33.91
565	7280	D	Crimp Die Set RG 6 / 59 / Belden 8281	43.30	41.24
565	7281	D	Crimp Die Set 5 Cavity RG 58 / 59 N, BNC, TNC, SMA	43.30	41.24
565	7282	D	Crimp Die Set For Sizes .278 .255 .068 .042	43.30	41.24

TNC STYLE STRAIGHT RF COAXIAL PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	7048	E	TNC (M), Captive, 58*, 58A*, 58C, 141, 141A, 55A, 142, 142A, 223, 499	12.43	11.76	11.05
565	7049	F	TNC (M) Crimp and Captive, 55A, 142, 142A, 223, 400	10.21	9.65	9.30
565	7050	E	TNC (M) Crimp and Captive, 58*, 58A*, 58C, 141, 141A, 55A, 142, 142A, 223, 499	12.35	11.60	10.91

N STYLE STRAIGHT COAXIAL RF PLUGS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	7057	E	Type N (M), 55, 142, 223, 400	11.33	10.74	9.99
565	7058	G	Type N (M), 58*, 58A*, 58C, 141, 141A	18.35	17.33	16.13
565	6767	H	Type N (M) Connector, 75Ω	11.21	10.53	9.86
565	6768	I	Type N (F) Connector, 75Ω	11.64	11.01	10.30
565	6769	J	Type N (F) Panel Mount, 75Ω	8.33	7.88	7.34
565	6770	K	Type N (F/F) Adapter, 75Ω	16.55	15.66	14.57
565	6771	L	Type N (M/M) Adapter, 75Ω	16.55	15.66	14.57
565	6772	M	Type N (F/F/F) Adapter, 75Ω	25.97	24.57	23.33

RF COAXIAL JACKS & RECEPTACLES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
Jacks						
565	7063	N	TNC (F) Bulkhead	17.42	16.43	15.30
565	7064	O	TNC (F), Panel	33.26	31.44	29.32
565	7065	P	TNC (F), Bulkhead	15.02	14.19	13.20
565	7066	P	TNC (F), Bulkhead	14.77	13.93	12.99
Receptacles						
565	7073	Q	BNC (F), Panel Mount 0.62" PC Board Thickness	14.43	13.67	12.70
565	7074	R	Type N (F), Panel Mount 1.13 L x 0.44 W	15.92	14.96	14.01

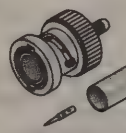
75 OHM BNC PLUGS

- Precision machined brass with tarnish resistant nickel plating.
- Frequency range of up to 3GHz.

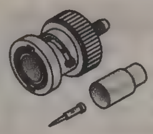
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565	7042	S	BNC (M), 75Ω, Belden 1407B, 1417B, 1164B, 1167B, 1418B, 11467B, 11865A	3.56	3.41	3.23
565	7043	S	BNC (M), 75Ω, Belden 8241, 88241	4.15	3.95	3.77
565	7232	S	BNC (M), 75Ω, RG-179, Belden 1520A and 1522A	4.28	4.05	3.95
565	7233	S	BNC (M), 75Ω Comm/Scope 0222, Belden 8218, Belden YR23023	4.61	4.38	4.16
565	7234	S	BNC (M), 75Ω, RG-59, RG-62	4.61	4.38	4.16
565	7235	S	BNC (M), 75Ω, AT&T 730 and 731	4.61	4.38	4.16
565	7236	S	BNC (M), 75Ω, AT&T 734, Comm/Scope 734, Judd S95103101	4.61	4.38	4.16
565	7237	S	BNC (M), 75Ω, AT&T 735, Comm/Scope 735, Judd S95103101	4.61	4.38	4.16

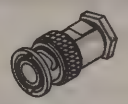
A



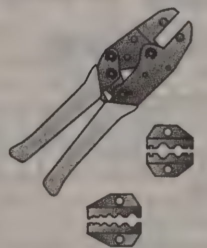
B



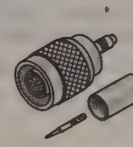
C



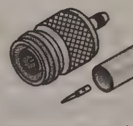
D



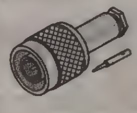
E



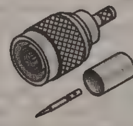
F



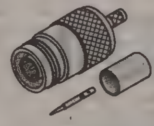
G



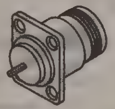
H



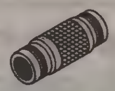
I



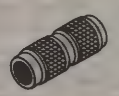
J



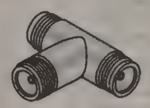
K



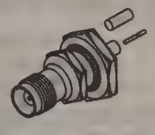
L



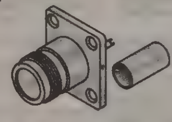
M



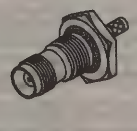
N



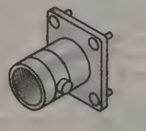
O



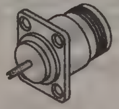
P



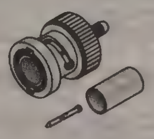
Q



R



S



POMONA RF Connectors and Adapters

BNC WITHIN SERIES ADAPTERS

- Nickel plated brass

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Insulation	Price Each		
Mfr.	Mfr. Part No.				1	25	50
565—3847		A	BNC Jack/Jack Hermetically sealed 50Ω	PTFE	19.20	18.27	17.33
565—3534		B	BNC Jack/Plug Right Angle 50Ω	PTFE	11.95	11.32	10.79
565—3283		C	BNC Jack/Jack 50Ω	PTFE	5.25	4.97	4.75
565—3284		D	BNC Jack/Jack/Jack 50Ω	PTFE	15.35	14.53	13.89

BETWEEN SERIES ADAPTERS AND KITS

- Nickel plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Insulation	Price Each		
Mfr.	Mfr. Part No.				1	25	50
Adapters							
565—1269		E	BNC Jack to double stacking banana plug	ABS	7.23	6.89	6.55
565—1270		F	BNC Plug to double stacking banana plug	ABS	10.48	9.97	9.46
565—1452		G	BNC Jack to stackable binding posts	ABS	11.33	10.78	10.23
565—1296		H	BNC Plug to stackable binding posts	ABS	13.43	12.78	12.12
Kits							
565—5748		I	Maxi Universal coaxial RF adapter kit	-	288.59	274.51	260.44
565—5698		I	Universal Adapter Kit	-	199.05	190.35	180.56
565—6254		I	7/16 Din Adapter Kit	-	514.25	489.17	464.08

BNC TERMINATIONS, ATTENUATORS, AND WITHIN SERIES ADAPTERS

- Nickel plating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
Terminations						
565—4119-50		J	BNC Feed-Thru Termination, 50Ω	34.83	33.13	31.44
565—4119-75		J	BNC Feed-Thru Termination, 75Ω	53.60	50.85	48.45
565—5297		K	BNC plug to jack with DC-blocking Series Cap, 1000pF, 600V	29.06	27.64	26.23
Adapters						
565—3846		L	BNC jack to BNC jack, 50Ω	16.70	15.85	15.04
565—3533		M	BNC plug to BNC plug, 50Ω	2.98	2.85	2.69
565—4896		N	BNC Plug/Jack/Jack, 50Ω	21.44	20.38	19.33
565—6700		O	BNC Jack/Plug/Jack, In-line space saving, 50Ω	15.42	14.66	13.91
565—6701		P	BNC Jack/Plug/Jack, Right angle space saving, 50Ω	17.63	16.77	15.91
565—3285		Q	BNC Jack/Plug/Jack, Standard, 50Ω	13.82	13.14	12.46
Attenuators						
* 565—4108-__		R	BNC 50Ω Attenuator	60.05	57.05	54.20

* (select dB) -3dB, -6dB, -10dB, -14dB, -20dB

SMA 50 OHM WITHIN SERIES ADAPTERS & TERMINATORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Insulation	Price Each		
Mfr.	Mfr. Part No.				1	25	50
Adapters							
565—4283		S	SMA plug to SMA plug, gold plated	Teflon	9.23	8.78	8.33
565—4284		T	SMA jack to SMA jack, gold plated	Teflon	9.12	8.67	8.28
565—4282		U	SMA jack to SMA plug, Right Angle, gold plated	Teflon	10.45	9.94	9.49
Terminators							
565—4286		V	SMA Terminator plug, 50Ω, gold plated	Teflon	41.93	39.89	37.84
565—5088		W	SMA Shorting Cap, gold plated	-	19.20	18.27	17.33

COAXIAL BETWEEN SERIES ADAPTERS

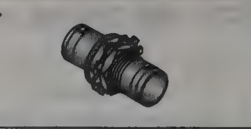
For quantities of 100 and up, call for quote.

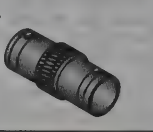
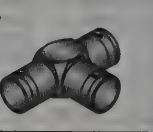
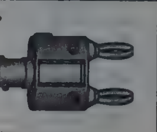
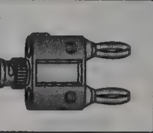
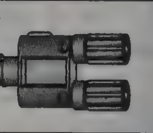
MOUSER STOCK NO.		Fig.	Description	Insulation	Price Each		
Mfr.	Mfr. Part No.				1	25	50
SMA to BNC							
565—4288		X	SMA plug to BNC plug, gold plated	Teflon	9.76	9.28	8.81
565—4289		Y	SMA jack to BNC plug, gold plated	Teflon	8.71	8.28	7.86
565—4290		Z	SMA plug to BNC jack, gold plated	Teflon	8.56	8.14	7.73
565—4291		AA	SMA jack to BNC jack, gold plated	Teflon	7.97	7.58	7.19
SMA to TNC							
565—4292		BB	SMA Plug to TNC Plug, gold plated	PTFE	10.17	9.67	9.18
565—4293		CC	SMA Jack to TNC Plug, gold plated	PTFE	20.94	19.92	18.90
565—4294		DD	SMA Plug to TNC Plug, gold plated	PTFE	9.40	8.94	8.48
565—4295		EE	SMA Jack to TNC Plug, gold plated	PTFE	20.66	19.66	18.65
SMA to Type N							
565—4296		FF	SMA Plug to type N Plug, gold plated	PTFE	15.01	14.27	13.54
565—4297		GG	SMA Jack to type N Plug, gold plated	PTFE	17.30	16.46	15.61
565—4298		HH	SMA Plug to type N Jack, gold plated	PTFE	17.11	16.27	15.44
565—4299		II	SMA Jack to type N Jack, gold plated	PTFE	19.92	18.88	17.94
565—5300		JJ	BNC Jack to Plug Triax, nickel plated brass	PTFE	32.85	31.25	29.64

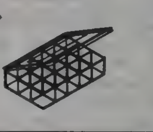
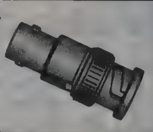
AUDIO/VIDEO ADAPTERS

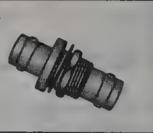
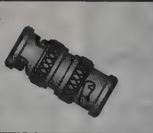
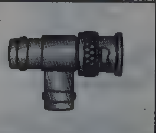
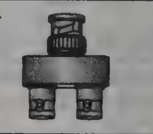
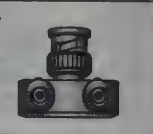
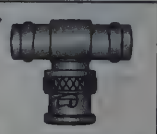
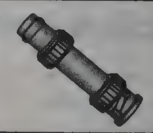
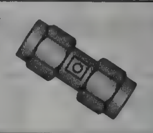
For quantities of 100 and up, call for quote.

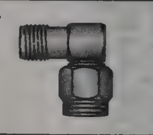
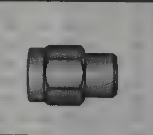
565—4054	KK	BNC Plug to Phono Jack, nickel plating	-	17.36	16.47	15.69
565—5319	LL	BNC Jack to Phono Jack, nickel plating	-	6.38	6.09	5.77

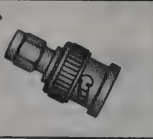
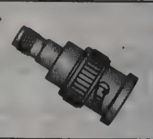
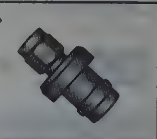
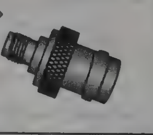
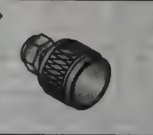
A

B

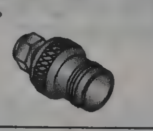
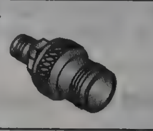
C

D

E

F

G

H

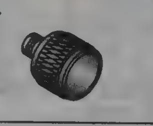
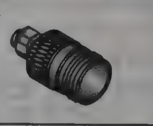
I

J

K

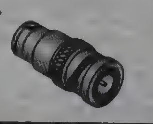
L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC

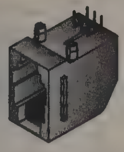
DD

EE

FF

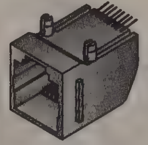
GG

HH

II

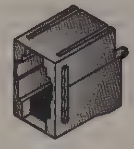
JJ

KK

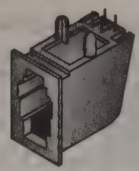
LL

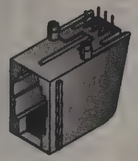
AMP Modular Jacks

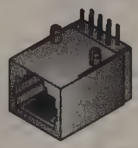
A


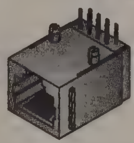
B


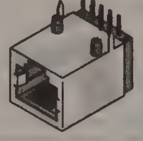
C


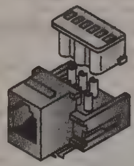
D


E


F


G


H


I


PCB MODULAR JACKS

This series is designed for direct mounting onto a printed circuit board and are available in two profile heights; low and standard for through-hole, low only for surface mount and shielded through-hole applications.

Specifications:

- Color: Black
- Current Rating: 1.5 amp max.
- Voltage Rating: 150 volts ac max.
- Durability: 750 mating cycles
- Housing: Through-Hole: Polyester, UL 94V-0 rated
- Housing: Surface Mount: Polyphenylene Sulfide, UL 94V-0 rated
- Contact: .014 (0.36) thk. Phosphor bronze; plated .000050 (0.00127) gold in contact area and .000150 (0.00381) tin on solder tails, over .000050 (0.00127) nickel underplate
- RoHS Compliant per Tyco Electronics documentation

Features:

- Meets or exceeds FCC Part 68 rules and regulations
- Meets 1000 volt dielectric requirement
- Designed for ease of soldering and board cleaning
- Designed for direct mounting on pc boards
- Surface mount jacks compatible with vapor phase & IR reflow soldering
- UL: File No. E81956
- Terminal No. 1 is the terminal to the extreme left as you face the jack opening, tab notch down

RoHS Compliant

Through Hole, Side Entry, Low Profile

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Price Each		
						1	10	100
With Panel Stops								
571-55551631	5555163-1	A	6	6	No	.87	.74	.61
571-55551632	5555163-2	A	6	4	No	1.44	1.26	1.01
571-55551621	5555162-1	A	8	8	No	.92	.79	.64
571-55551661	5555166-1	A	8	8	Yes	.75	.64	.52
Without Panel Stops								
571-55551651	5555165-1	A	6	6	No	.68	.59	.48
571-55551652	5555165-2	A	6	4	No	.67	.57	.47
571-55551641	5555164-1	A	8	8	No	.75	.64	.52
571-55551671	5555167-1	A	8	8	Yes	.75	.64	.52

RoHS Compliant

Through-Hole, Side Entry, Low Profile - Shielded

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Style	Price Each		
							1	10	100
571-55551541	5555154-1	A	6	6	No	PC Board ground	.99	.78	.71
571-55551531	5555153-1	A	8	8	No	PC Board ground	1.09	.87	.71
571-55551411	5555141-1	A	8	8	No	Panel ground	.89	.80	.76
571-55565911	5556591-1	A	8	8	Yes	PC Board ground	1.41	1.15	.92

RoHS Compliant

Surface Mount, Side Entry, Low Profile with Panel Stops

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Price Each		
						1	10	100
571-55550771	5555077-1	B	6	6	No	1.33	1.20	1.13
571-55550772	5555077-2	B	6	4	No	1.32	1.19	1.12
571-55552481	5555248-1	B	8	8	No	1.41	1.27	1.20

RoHS Compliant

Through-Hole, Top Entry

* Shielded - Tin plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Price Each		
						1	10	100
With Panel Stops								
571-5520257-2	5520257-2	C	4	4	No	.59	.52	.42
571-55202582	5520258-2	C	6	4	No	.63	.56	.44
571-55202583	5520258-3	C	6	6	No	.64	.57	.45
571-55202594	5520259-4	C	8	8	No	.55	.50	.47
571-55202604	5520260-4	C	8	8	Yes	.87	.76	.61
*571-55579691	5557969-1	C	8	8	No	1.33	1.16	.92
*571-55577301	5557730-1	C	8	8	Yes	1.39	1.21	.96
Without Panel Stops								
571-55588721	5558872-1	C	4	4	No	.76	.67	.53
571-5520425-2	5520425-2	C	6	4	No	1.48	1.28	1.02
571-55204253	5520425-3	C	6	6	No	.79	.69	.55
571-55564161	5556416-1	C	8	8	No	.68	.57	.47
571-55557991	5555799-1	C	8	8	Yes	1.19	1.04	.93

Through-Hole, Side Entry with Center Latch

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Contacts Loaded	Keyed	Price Each		
						1	10	100
Flanged								
571-5520241-2	5520241-2	D	4	4	No	1.05	.92	.73
571-55202423	5520242-3	D	6	6	No	.82	.72	.57
571-55202434	5520243-4	D	8	8	No	2.89	2.50	1.98
With Panel Stops								
571-55202492	5520249-2	E	4	4	No	1.05	.92	.73
571-5520250-2	5520250-2	E	6	4	No	.67	.58	.47
571-5520250-3	5520250-3	E	6	6	No	.60	.54	.51
571-55202514	5520251-4	E	8	8	No	.72	.68	.61
571-55202524	5520252-4	E	8	8	Yes	.76	.68	.65
Without Panel Stops								
571-5555980-1	5555980-1	E	4	4	No	.69	.60	.48
571-5555979-1	5555979-1	E	6	4	No	.64	.56	.45
571-5520470-3	5520470-3	E	6	6	No	.87	.77	.61
571-5520426-4	5520426-4	E	8	8	No	.93	.81	.65
571-55545171	5554517-1	E	8	8	Yes	1.82	1.58	1.25

Multi-Ports - Unshielded

Specifications:

- Current Rating: 1.5 amp max. @ 25°C
- Voltage Rating: 150 VAC max.
- Durability: 750 mating cycles
- Operating Temperature: -40°C to 70°C
- Housing: Polysulfone, black UL 94V-0
- Contact: .013 (0.33) phosphor bronze; plated .000050 (0.00127) gold in localized area and .000150 (0.00381) tin on solder tails, over .000050(0.00127) nickel underplate
- Shield: .010 (0.25) copper alloy tin plated

Features:

- Meets or exceeds FCC Part 68 rules and regulations with industry standard pc board footprints
- Low profile and narrow width allow more ports to be packed into less space
- Center mounting leg standard on 8 port versions
- Available with two grounding paths; pc board and panel

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Positions	Ports	No. of Contacts Per Port	Price Each		
						1	10	100
571-55577851	5557785-1	F	8	1	8	1.38	1.20	.95
571-55580651	5558065-1	F	10	1	10	2.39	2.06	1.63
571-55575621	5557562-1	F	8	4	8	4.36	3.76	2.98
571-55575641	5557564-1	F	8	6	8	6.58	5.67	4.49
571-55575661	5557566-1	F	8	8	8	8.88	7.65	6.05

High Performance PCB Single Port Modular Jacks - Side Entry

Specifications:

- Current Rating: 1.5 amperes maximum at 25°C
- Voltage Rating: 150 VAC maximum
- Operating Temperature: -40°C to 70°C
- Mating/Unmating Forces: 5 pounds maximum
- Durability: 750 minimum mating cycles
- Housing: Polyester, black UL 94V-0
- Contact: Phosphor bronze, gold over nickel plated in contact area, tin over nickel in solder area
- Shield: Brass, bright tin plated

Features:

- Performance exceeds Near End Crosstalk (NEXT) requirements of -40dB at 100 MHz per EIA/TIA 568A
- Meets all dimensional, tolerance and metallic plating requirements of FCC Part 68
- Available in single port or multiple port configurations, shielded or unshielded

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Description	Price Each		
					1	10	100
571-55583411	5558341-1	G	Unshielded	w/o panel stop	2.08	1.80	1.43
571-55583421	5558342-1	H	Shielded	PC ground only	2.63	2.12	1.80
571-55583441	5558344-1	H	Shielded	Panel & PC ground	3.21	2.58	2.19

Modular Telephone Keystone Kits

These jacks are specially designed to snap into wallplates, panels and undercarpet fittings.

Features:

- Stuffer Cap: Clear polycarbonate
- AMP-BARREL Terminal: Tin plated phosphor bronze
- Label: Adhesive backed polyester
- Contacts: Nickel plated high strength copper alloy having selective gold plating in contact area and selective tin plating in AMP-BARREL terminal area.
- Housing: Black thermoplastic, UL 94V-0
- All Keystone jacks are wired one-to-one

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Pairs (AWG)	Wire Gauge AWG	Price Each		
					1	10	100
IBM Approved Style Kits (Black)							
571-5539831	553983-1	I	3	22	5.20	4.75	3.53
571-5545461	554546-1	I	4	22	5.90	5.45	4.01
Commercial Style Kit (Black)							
571-5541711	554171-1	I	3	22-26	5.58	5.13	3.79
571-5545781	554578-1	I	4	22-26	5.80	5.35	3.94

AMP Modular Connectors

Tyco Electronics
Authorized Distributor

LOW PROFILE RJ45 MODULAR JACKS

Features:
- Meets the requirements for I/O connectors on AdvancedTCA and AMC cards
- Fits in an AMC compact module faceplate
- Shielded and include panel ground springs for EMI containment
- With and without LEDs
- Category 5e performance
- 4.20mm max above PCB
- 7.38mm max below PCB
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Configuration	LED Color	Price Each		
					1	10	100
571-1888250-1	1888250-1	A	1x1	green/yellow	3.92	3.53	3.33
571-1888250-3	1888250-3	A	1x1	none	3.08	2.77	2.62
571-1888251-1	1888251-1	B	1x4	green/yellow	12.93	11.64	10.99

STANDARD MODULAR PLUGS

Specifications:
- Electrical: Applications- 150 VAC max. at 1.5A @ 25°C, derated to .2A @ 70°C
- Durability: 750 mating cycles
- Temperature Rating: -40°C to +60°C
- Housing: Polycarbonate, UL 94V-0
- Terminal: .014 (.36) thick, phosphor bronze; underplated with 100μin Nickel and plated with 50μin Gold in contact region and gold flash on remainder of terminal.
- Terminal No. 1 is the terminal to the extreme left as you face the cable opening, latch tab down.

Features:
- One-piece construction with preloaded contacts
- FCC and EIA/TIA industry standard size and performance
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

* Long Body

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Contacts Loaded	Description	Keyed	Price Each		
							1	10	100
Unshielded									
571-6413343	5-641334-3	C	4	4	Flat Oval Stranded Line, handset plug	No	.23	.22	.21
571-55563843	5-556384-3	C	6	4	Flat Oval Solid Line	No	.41	.35	.31
571-56413353	5-641335-3	C	6	4	Flat Oval Stranded Line	No	.22	.21	.20
571-5550423	5-555042-3	C	6	6	Flat Oval Solid Line	No	.41	.36	.31
*571-6413373	5-641337-3	C	6	6	Flat Oval Stranded Line	No	.29	.26	.23
*571-55547103	5-554710-3	C	6	6	Round Stranded Line	No	.37	.31	.27
*571-55554263	5-555426-3	C	6	6	Flat Oval Solid Line	No	.81	.75	.64
571-55551763	5-555176-3	C	6	6	Flat Oval Stranded Line	No	.61	.56	.52
571-55551773	5-555177-3	C	6	6	Round Stranded Line	No	.79	.76	.62
571-55552372	5-555237-2	D	6	6	Flat Oval Line Stranded with Offset Latch	No	.68	.61	.58
571-5547203	5-554720-3	C	8	8	Flat Oval Solid Line	No	.54	.51	.47
571-5547393	5-554739-3	C	8	8	Flat Oval Stranded Line	No	.50	.48	.44
571-55573153	5-557315-3	C	8	8	Round Solid Line	No	.54	.51	.47
571-5541693	5-554169-3	C	8	8	Round Stranded Line	No	.60	.56	.44
571-5547433	5-554743-3	C	8	8	Flat Oval Stranded Line	Yes	3.20	2.87	2.72
571-5541703	5-554170-3	C	8	8	Round Stranded Line	Yes	.60	.56	.44
*571-5557963-3	5-557963-3	C	10	10	Round Stranded Line	No	1.70	1.40	1.19
***Shielded**									
571-5551753	5-555175-3	E	6	6	Round Stranded Line	No	1.62	1.46	1.38
571-55695303	5-569530-3	E	8	8	Round Solid Line	No	1.55	1.39	1.32
571-55695503	5-569550-3	E	8	8	Round Solid Line	No	2.08	1.87	1.77

"CATEGORY 5" MODULAR PLUGS - HIGH PERFORMANCE

Features:
- Exceeds EIA/TIA 568A and TSB-40A requirements for Category 5, 4-Pair (RJ45) UTP applications
- RoHS Compliant per Tyco Electronics documentation
- Utilizes a load bar for easier cable preparation and termination
- Load bar aids in maintaining 1/2" twist requirements

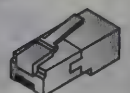
RoHS Compliant

For quantities of 500 and up, call for quote.

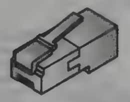
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Contacts Loaded	Description	Wire Gauge AWG	Keyed	Price Each		
								1	10	100
571-5558530-3	5-558530-3	F	8	8	Unshielded, Round Stranded Line	24	No	.74	.70	.64
571-55692783	5-569278-3	F	8	8	Unshielded, Round Solid Line	24-28	No	.79	.75	.69
571-55695523	5-569552-3	F	8	8	Shielded, Round Stranded Line	24-26	No	1.78	1.70	1.55
571-55695502	5-569550-2	F	8	8	Shielded, Round Solid Line	24-26	No	1.79	1.68	1.53

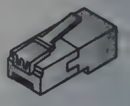
A

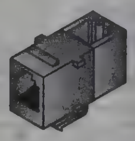
B

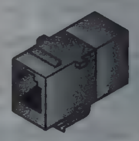
C


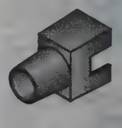
D

E


F


G


H


I


MODULAR COUPLERS

- Compact couplers for two modular plugs; couplers snap into 0.585 x 0.765 rectangular wallplate cutouts. Wired one-to-one.
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Type	Price Each		
					1	10	100
571-5550491	555049-1	G	6	Right Angle	4.28	3.83	2.73
571-5550511	555051-1	G	8	Right Angle	4.55	4.10	2.91
571-5550501	555050-1	H	6	In-Line	4.23	3.78	2.70
571-5550521	555052-1	H	8	In-Line	3.88	3.43	2.48
571-5553761	555376-1	H	8 Keyed	In-Line	4.64	3.57	3.18

CABLE BOOTS

- For 8 position modular plugs
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Price Each		
				1	10	100
571-5582111	558211-1	I	Black	.32	.31	.29
571-5582112	558211-2	I	Almond	.32	.31	.29
571-5582114	558211-4	I	Green	.32	.31	.29
571-5582115	558211-5	I	Blue	.32	.31	.29

ECONOMY MODULAR CRIMPING TOOLS

- Strips and terminates cable
- Light weight

MOUSER STOCK NO.	AMP Part No.	Terminates	Price Each
571-2316481	231648-1	2, 4 and 6 position plugs	30.60

"CATEGORY 5" HIGH PERFORMANCE CRIMP TOOL

- For use with modular plugs
- Cuts, strips, and terminates cable

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-32316520	3-231652-0	8 position modular crimp tool with die	117.40

PROFESSIONAL HAND TOOLS

- Terminating tool with die

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-22316521	2-231652-1	8 position line	117.40
571-22316523	2-231652-3	4 position handset	117.40
571-2231652-6	2-231652-6	6 position offset-latch	117.40
571-22316527	2-231652-7	6 position long body	117.40
571-22316528	2-231652-8	4, 6 position line	117.40

DIE SET ONLY FOR PROFESSIONAL TOOLS

MOUSER STOCK NO.	AMP Part No.	Description	Color	Price Each
571-8534001	853400-1	8 position line	Black	39.40
571-8534003	853400-3	4 position handset	Green	39.40
571-853400-6	853400-6	6 position offset-latch	Orange	39.40
571-8534007	853400-7	6 position long body	Violet	39.40
571-853400-8	853400-8	4, 6 position line	Blue	39.40

HAND TOOL KITS

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-12316661	1-231666-1	Carrying case with frame, 4 position handset. 4, 6 and 8 position die set, set of replacement strip blades and small screwdriver.	245.06
571-2316625	231662-5	1 set of strip blades	3.83

Modular Jacks

RoHS Compliant This page of product is compliant.

DIMENSIONS: In. (mm)

AMPHENOL® EMI QUIET MODULAR JACKS WITH LED'S

Features:
- Meets CAT 5 performance
- UL File #: E135615
- CSA File #: LR68598
- 8 position - 8 contact

Specifications:
- Contacts: Flat Phosphor Bronze with 50μ" Au Plating
- Current Rating: 1.5A
- Voltage Rating: 125V

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	LED 2 Color	LED 1 Color	# of Ports	Price Each			
						1	10	50	100
RJ-45 Non-Shielded Jacks									
523-RJHSE-5080	RJHSE-5080	A	--------	--------	1	.70	.62	.56	.48
523-RJHSE-5081	RJHSE-5081	A	Yellow	Green	1	.80	.72	.68	.63
523-RJHSE-5084	RJHSE-5084	A	Green	Yellow	1	.86	.81	.72	.68
523-RJHSE-5085	RJHSE-5085	A	Green	Green	1	.96	.86	.74	.68
RJ-45 Shielded Jacks									
523-RJHSE-5380	RJHSE-5380	B	--------	--------	1	.98	.92	.82	.75
523-RJHSE-5381	RJHSE-5381	B	Yellow	Green	1	1.18	1.04	.94	.85
523-RJHSE-5384	RJHSE-5384	B	Green	Yellow	1	1.18	1.04	.94	.85
523-RJHSE-5385	RJHSE-5385	B	Green	Green	1	1.26	1.21	1.07	.98
523-RJHSE-538A	RJHSE-538A	B	Grn/Yel	Grn/Yel	1	2.38	2.14	1.95	1.78
RJ-45 Shielded Jacks - Multiple Ports									
523-RJHSE-5381-02	RJHSE-5381-02	C	Yellow	Green	2	3.39	3.04	2.57	2.37
523-RJHSE-5381-03	RJHSE-5381-03	C	Yellow	Green	3	4.63	4.05	3.60	3.24
523-RJHSE-5381-04	RJHSE-5381-04	C	Yellow	Green	4	4.43	3.98	3.36	3.10
523-RJHSE-5384-02	RJHSE-5384-02	C	Green	Yellow	2	3.73	3.10	2.81	2.53
523-RJHSE-5384-04	RJHSE-5384-04	C	Green	Yellow	4	3.60	2.70	2.40	2.16
523-RJHSE-5384-08	RJHSE-5384-08	C	Green	Yellow	8	10.36	9.32	8.47	7.77
523-RJHSE-5385-02	RJHSE-5385-02	C	Green	Green	2	2.73	2.05	1.82	1.64
523-RJHSE-5385-04	RJHSE-5385-04	C	Green	Green	4	3.60	2.70	2.40	2.16

AMPHENOL® STACKED AND SHIELDED MODULAR JACKS

Features:
- Reduces component and labor cost by incorporating LED's into the connector
- Meets Ethernet Cat 5 performance
- Stackable feature enables more ports with same board space
- Ferrite filter available

Specifications:
- Contacts: Flat Phosphor Bronze with 50μ" Au Plating
- Current Rating: 1.5A
- Voltage Rating: 125V

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	LED 2 Color	LED 1 Color	# of Ports	Price Each			
						1	10	50	100
523-RJSAE-5380-02	RJSAE-5380-02	D	------	------	2	4.47	3.35	2.98	2.68
523-RJSAE-5381-02	RJSAE-5381-02	D	Yellow	Green	2	5.70	4.28	3.80	3.42
523-RJSAE-5385-02	RJSAE-5385-02	D	Green	Green	2	5.03	3.78	3.36	3.02
523-RJSAE-538A-02	RJSAE-538A-02	D	Grn/Yel	Grn/Yel	2	6.03	4.53	4.02	3.62
523-RJSAE-5380-04	RJSAE-5380-04	D	------	------	4	6.50	4.88	4.33	3.90
523-RJSAE-5381-04	RJSAE-5381-04	D	Yellow	Green	4	10.33	7.75	6.89	6.20
523-RJSAE-5385-04	RJSAE-5385-04	D	Green	Green	4	9.13	6.85	6.09	5.48
523-RJSAE-538A-04	RJSAE-538A-04	D	Grn/Yel	Grn/Yel	4	11.10	8.33	7.40	6.60
523-RJSAE-5380-08	RJSAE-5380-08	D	------	------	8	14.23	10.68	9.49	8.54
523-RJSAE-5381-08	RJSAE-5381-08	D	Yellow	Green	8	16.23	12.18	10.82	9.74
523-RJSAE-5385-08	RJSAE-5385-08	D	Green	Green	8	16.23	12.18	10.82	9.74
523-RJSAE-538A-08	RJSAE-538A-08	D	Grn/Yel	Grn/Yel	8	20.20	15.15	13.47	12.12

AMPHENOL® FILTERED AND SHIELDED MODULAR JACKS

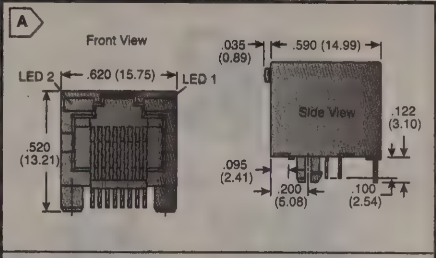
Features:
- Effective EMC control with a standard RJ-45 jack
- Drop in replacement for non-filtered RJ-45 jacks
- Ferrite Block for filtering
- UL File #: E135615
- CSA File #: LR68598

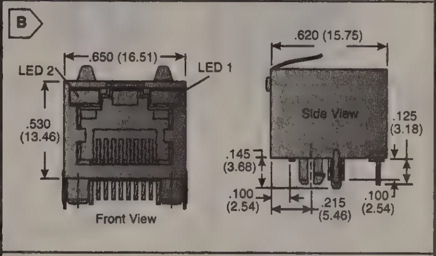
Specifications:
- Contacts: Flat Phosphor Bronze with 50μ" Au Plating
- Current Rating: 1.5A
- Voltage Rating: 125V
- 8 position - 8 contact

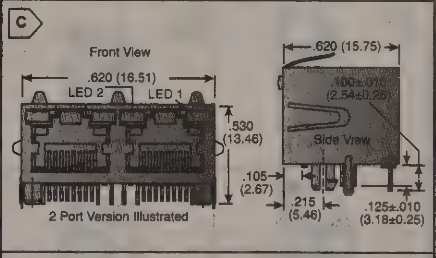
RoHS Compliant

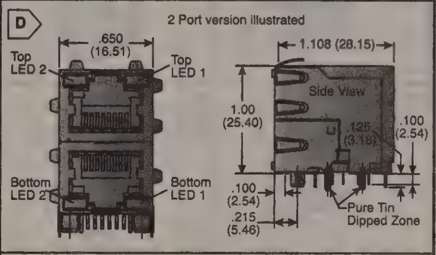
For quantities of 500 and up, call for quote.

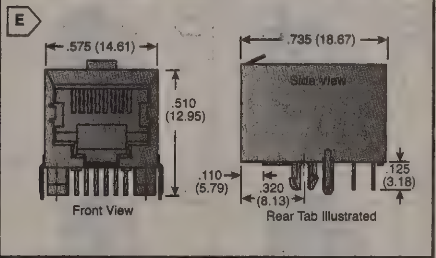
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	50	100
523-FRJAE-448	FRJAE-448	E	Shielded Only, Rear Tabs	1.62	1.47	1.35	1.29
523-FRJAE-468	FRJAE-468	E	Shielded & Filtered, Rear Tabs	1.98	1.80	1.65	1.57
523-FRJAE-438	FRJAE-438	E	Shielded Only, Front Tabs	1.86	1.69	1.55	1.48
523-FRJAE-418	FRJAE-418	E	Shielded & Filtered, Front Tabs	1.96	1.77	1.62	1.49
523-FRJAE-408	FRJAE-408	E	Non-Filtered; Non-Shielded	1.04	.74	.65	.57
523-FRJAE-488	FRJAE-488	E	Shielded Only, Rear Tabs	2.00	1.60	1.14	1.00


A
Front View
LED 2
.620 (15.75)
LED 1
.520 (13.21)
.035 (0.89)
.590 (14.99)
Side View
.122 (3.10)
.095 (2.41)
.200 (5.08)
.100 (2.54)


B
.650 (16.51)
LED 2
LED 1
.530 (13.46)
Front View
.620 (15.75)
Side View
.125 (3.18)
.145 (3.68)
.100 (2.54)
.215 (5.46)
.100 (2.54)


C
Front View
.620 (16.51)
LED 2
LED 1
.530 (13.46)
2 Port Version Illustrated
.620 (15.75)
.100±.010 (2.54±0.25)
Side View
.105 (2.67)
.215 (5.46)
.125±.010 (3.18±0.25)


D
2 Port version illustrated
.650 (16.51)
Top LED 2
Top LED 1
Bottom LED 2
Bottom LED 1
1.108 (28.15)
Side View
1.00 (25.40)
.125 (3.18)
.100 (2.54)
.100 (2.54)
.215 (5.46)
Pure Tin Dipped Zone


E
.575 (14.61)
.510 (12.95)
Front View
.735 (18.67)
Side View
.110 (5.79)
.320 (8.13)
.125 (3.18)
Rear Tab Illustrated

FCI MODULAR JACKS

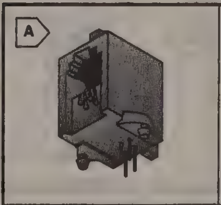
Features:
- Thru-hole, solder to board configuration
- Press-fit design eliminates hot and cold staking
- RoHS compliant per FCI documentation
- Mate with modular plugs conforming to FCC Part 68, Subpart F
- Housing: thermoplastic resin, UL94V-0 rating

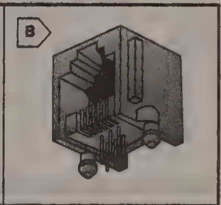
RoHS Compliant

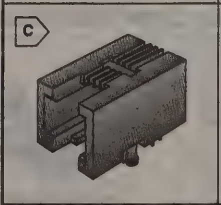
∗Positions 1 and 6 unloaded.

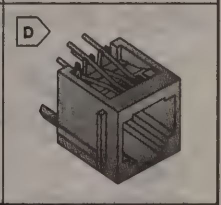
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	USOC Type	Positions-Contacts	Price Each			
					1	10	50	100
Type 616 - PCB								
649-66010-001LF	66010-001LF	A	Handset	4-4	.39	.36	.34	.32
∗649-66011-001LF	66011-001LF	A	RJ11	6-4	.36	.33	.31	.29
Low Profile - PCB								
∗649-67968-001LF	67968-001LF	B	RJ11	6-4	1.24	1.13	1.07	1.01
649-67968-002LF	67968-002LF	B	RJ12	6-6	.70	.64	.60	.57
649-87180-044LF	87180-044LF	C	Handset	4-4, Horizontal	.83	.74	.62	.57
649-87180-066LF	87180-066LF	C	RJ12	6-6, Horizontal	.82	.74	.71	.67
649-87180-088LF	87180-088LF	C	RJ45	8-8, Horizontal	.91	.89	.81	.77
Vertical - PCB								
649-69253-001LF	69253-001LF	D	Handset	4-4	.84	.74	.65	.61
649-69254-001LF	69254-001LF	D	RJ12	6-6	.83	.76	.72	.68
649-69254-002LF	69254-002LF	D	RJ11	6-4	.76	.69	.66	.62
∗649-69255-001LF	69255-001LF	D	RJ45	8-8	.90	.82	.78	.74

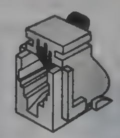


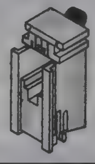


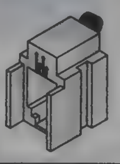


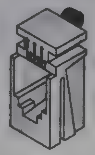


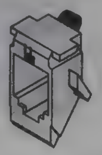
Modular Connectors and Tools

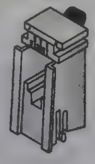
A


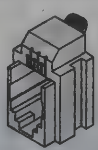
B


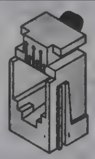
C


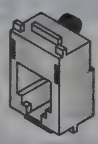
D


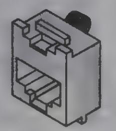
E


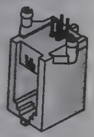
F


G


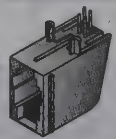
H


I


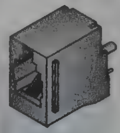
J


K


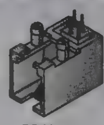
PC Mount

L


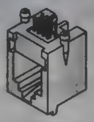
PC Mount

M


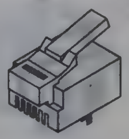
PC Mount

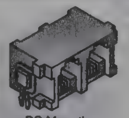
N


PC Mount
Low Profile

O


PC Mount

P


Q


PC Mounting
(2 Gang Illustrated)

KOBICONN MODULAR JACKS WITH 4" WIRE LEADS

(Types marked with † have 50μ" gold plated contacts, all others have 6μ" gold plated contacts)

- All wire leads have stripped and tinned terminations

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	USOC Type	Positions-Contacts	Western * Electric Type	Color	Price Each			
						1	10	100	500
154-7616C	A	Handset	4-4	616C	Gray	1.39	1.15	.95	.87
154-7616D	B	Handset	4-4	616D	Gray	1.39	1.15	.95	.87
† 154-UL616M	C	Handset	4-4	616M	Gray	1.28	1.19	1.10	.97
154-7616M	C	Handset	4-4	616M	Gray	1.23	1.08	.95	.87
154-7616P	D	Handset	4-4	616P	Gray	1.39	1.15	.95	.87
154-7616W	E	Handset	4-4	616W	Gray	1.23	1.08	.95	.87
154-7623D4	F	RJ11	6-4	623D4	Gray	1.39	1.15	.95	.87
154-7623D6	F	RJ12	6-6	623D6	Gray	1.18	.91	.83	.75
† 154-UL623K4	G	RJ11	6-4	623K4	Gray	1.48	1.39	1.27	1.15
154-7623K4	G	RJ11	6-4	623K4	Gray	1.19	1.06	.95	.87
† 154-UL623K6	G	RJ12	6-6	623K6	Gray	1.74	1.53	1.40	1.25
154-7623K6	G	RJ12	6-6	623K6	Gray	1.42	1.17	.97	.89
154-7623P4	H	RJ11	6-4	623P4	Gray	1.39	1.15	.95	.87
154-7623P6	H	RJ12	6-6	623P6	Gray	.90	.69	.63	.57
154-7652A4	I	RJ11	6-4	698A4	Gray	1.09	.83	.76	.69
† 154-7652A6	I	RJ12	6-6	698A6	Gray	1.29	1.09	.99	.90
154-UL641D	J	RJ45	8-8	641D	Gray	2.30	1.77	1.61	1.47
154-7641D	J	RJ45	8-8	641D	Gray	1.47	1.06	.96	.87
154-7647	J	RJ45	8-8K	647	Gray	1.69	1.42	1.29	1.17

KOBICONN MODULAR JACKS WITH PCB LEADS

(Types marked with † have 50μ" gold plated contacts, all others have 6μ" gold plated contacts)

- Glass filled nylon
- PC Mount

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	USOC Type	Positions-Contacts	Western * Electric Type	Color	Price Each			
						1	10	100	500
† 154-UL616PCB	K	Handset	4-4	616PCB	Gray	.83	.68	.57	.50
† 154-UL6441	L	Handset	4-4	616PCB	Black	.83	.68	.57	.50
† 154-UL6442	M	Handset	4-4	616PCB	Black	.83	.68	.57	.50
† 154-UL6443	N	Handset	4-4	616PCB	Black	1.22	1.13	.98	.84
154-7616PCB	K	Handset	4-4	616PCB	Gray	.75	.61	.51	.45
† 154-UL623-4PCB	K	RJ11	6-4	623PCB	Gray	.87	.71	.60	.52
† 154-UL623-6PCB	K	RJ12	6-6	623PCB	Gray	.94	.73	.66	.60
154-7623PCB	K	RJ12	6-6	623PCB	Gray	.79	.65	.55	.48
† 154-UL6641	L	RJ11	6-4	623PCB	Black	1.17	.91	.83	.75
† 154-UL6661	L	RJ12	6-6	623PCB	Black	.88	.72	.61	.53
† 154-UL6642	M	RJ11	6-4	623PCB	Black	1.00	.77	.70	.64
† 154-UL6662	M	RJ12	6-6	623PCB	Black	1.23	.95	.86	.78
† 154-UL6643	N	RJ11	6-4	623PCB	Black	1.22	1.13	.96	.84
† 154-UL6663	N	RJ12	6-6	623PCB	Black	1.79	1.37	1.25	1.14
† 154-UL6881	L	RJ45	8-8	641PCB	Black	1.52	1.17	1.06	.97
† 154-UL6882	M	RJ45	8-8	641PCB	Black	1.55	1.19	1.08	.99
† 154-UL6883	N	RJ45	8-8	641PCB	Black	2.41	1.85	1.69	1.53
† 154-7641PCB	O	RJ45	8-8	641PCB	Gray	.93	.71	.65	.59

KOBICONN MODULAR PLUGS

(Types marked with † have 50μ" gold plated contacts, all others have 6μ" gold plated contacts)

* 616 Type - 4 conductor for handset to telephone use; 623 type - 4 or 6 conductor for telephone to wall use; 641 type - 8 conductor for telephone to wall or modem dialer use.

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	USOC Type	Positions-Contacts	Western * Electric Type	Color	Price Each			
						1	10	100	500
† 154-UL6164	P	Handset	4-4	616	Clear	.23	.19	.16	.14
154-7616	P	Handset	4-4	616	Clear	.21	.17	.14	.13
† 154-UL6234	P	RJ11	6-4	623	Clear	.24	.19	.18	.16
154-7623-4	P	RJ11	6-4	623	Clear	.21	.17	.14	.13
† 154-UL6236	P	RJ12	6-6	623	Clear	.28	.23	.19	.16
154-7623-6	P	RJ12	6-6	623	Clear	.25	.21	.17	.14
† 154-UL6418	P	RJ45	8-8	641	Clear	.75	.60	.52	.47
154-7641	P	RJ45	8-8	641	Clear	.68	.54	.47	.32

KOBICONN MODULAR TELEPHONE GANGED JACKS

The ganged jack, originally developed as a labor and space saving jack for OEM use, now has found extensive use in many new product designs. Modems, answering machines, and office equipment are but a few of the many potential applications.

Features:

- Western Electric 623/RJ11 PCB type
- 2-4 gang assemblies
- Color: gray

Specifications:

- 50 micron gold plated contacts
- 25% glass filled nylon 66

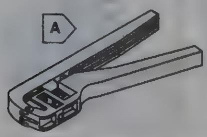
6 Positions 4 Contacts

MOUSER STOCK NO.	Fig.	Gang	Price Each			
			1	10	100	500
154-6412	Q	2	3.47	3.15	2.87	2.54
154-6413	Q	3	3.53	3.24	2.95	2.61
154-6414	Q	4	4.29	3.90	3.54	3.22

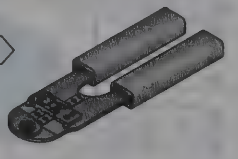
6 Positions 6 Contacts

MOUSER STOCK NO.	Fig.	Gang	Price Each			
			1	10	100	500
154-6612	Q	2	3.27	2.73	2.48	2.26
154-6614	Q	4	5.74	4.79	4.35	3.96

eagle MODULAR CRIMPING TOOLS

A


Modular Plug Crimping Tool

B


Heavy Duty, Modular Plug Crimping Tool

Crimping Tool

For quantities greater then listed, call for quote.

MOUSER STOCK NO.	Fig.	Type of Use	Price Each	
			1	5
382-8100	A	6P/4C and 4P/4C modular plugs	7.99	6.99

Economy 3-Way Crimping Tools

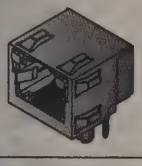
- Cuts, strips, and crimps
- Black oxide finish
- Hardened steel frame
- Lightweight and durable

382-2094C	B	For 4P 4C and 4P 2C plugs	13.35	8.01

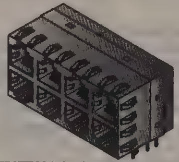
MOLEX Modular Jacks

RoHS Compliant **This page of product is compliant.**

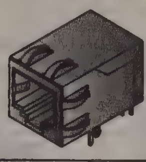
A



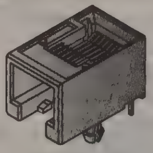
B



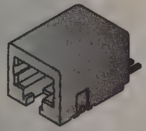
C



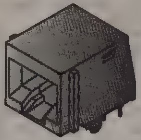
D



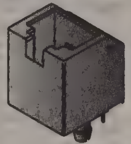
E



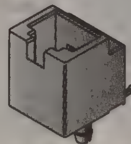
F



G



H



RIGHT-ANGLE MODULAR JACKS

Features and Specifications:

43860-xxxx
- RJ-45 version meets Category 5 for Fast Ethernet
- Plug latch on top
- Enhanced grounding tabs on shield
- Electrical Voltage: 125V
- Current: 1.5A max.
- Housing: Black glass-filled, high-temperature nylon, UL 94V-0
- Operating Temperature: -40°C to +80°C

44170-xxxx
- Exceeds Category 5 performance
- Distinctive lightpipe arrow indicators
- Lower electrical noise than LED offerings
- 30% fewer leads than LED offerings
- Voltage: 125V
- Current: 1.5A max.
- Housing: Black glass-filled Polyester, UL 94V-0
- Operating Temperature: -40°C to +80°C

43202-xxxx
- Ultra low profile
- Enhanced panel grounding tabs on shielding RJ-45 configuration
- Enclosed top
- Electrical Voltage: 125V
- Current: 1.5A max.
- Housing: Black glass-filled nylon, UL 94V-0
- Operating Temperature: -40°C to +80°C

95001-xxxx
- Very-low profile - about 3/4 that of industry standard
- Foot pattern identical to industry standard
- High reliability, square contact
- Voltage: 125V
- Current: 1.5A max.
- Housing: Black polyester, UL 94V-0
- Operating Temperature: -40°C to +80°C

44144-xxxx
- Side-by-side stackable
- Enclosed top
- 100% electrically tested
- .006" max. "nail-to-tail" coplanarity
- Electrical Voltage: 125V
- Current: 1.5A max.
- Housing: Black glass-filled, high-temperature nylon, UL 94V-0
- Operating Temperature: -40°C to +80°C

15-43-xxxx
- 50μ" Gold meets FCC 68 requirements
- Top-covered leads meet British Telecom 4000V test
- Voltage: 125V
- Current: 1.5A max.
- Housing: Black glass-filled polyester, UL 94V-0
- Operating Temperature: -40°C to +80°C

RoHS Compliant

RoHS Compliant per Molex documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Positions-Contacts	Description	Overall Length mm (In.)	First-to-Last Circuit mm (In.)	Price Each			
							1	25	50	100
Low Profile, Inverted with Lightpipes										
538-43860-0007	43860-0007	A	8/8	Unshielded	15.75 (.620)	7.11 (.280)	1.34	1.28	1.22	1.16
538-43860-0010	43860-0010	A	8/8	Shielded	16.38 (.645)	7.11 (.280)	1.51	1.40	1.35	1.30
High Speed, Stacked, Multi-Port with Lightpipes										
538-44170-0001	44170-0001	B	8/8	Shielded	59.18 (2.33)	8.89 (.350)	16.85	16.48	15.69	14.95
Low Profile, Inverted										
538-43860-0002	43860-0002	A	6/6	Unshielded	15.75 (.620)	5.08 (.200)	.79	.76	.71	.68
538-43860-0001	43860-0001	A	8/8	Unshielded	15.75 (.620)	7.11 (.280)	.87	.83	.77	.74
538-43860-0014	43860-0014	A	6/6	Shielded with All Panel Grounding Tabs	16.38 (.645)	5.08 (.200)	1.91	1.72	1.67	1.55
538-43860-0013	43860-0013	A	8/8	Shielded with All Panel Grounding Tabs	16.38 (.645)	7.11 (.280)	1.57	1.49	1.42	1.35
538-43860-0005	43860-0005	A	6/6	Shielded with Offset Panel Grounding Tabs	16.38 (.645)	5.08 (.200)	1.82	1.56	1.48	1.41
538-43860-0004	43860-0004	A	8/8	Shielded with Offset Panel Grounding Tabs	16.38 (.645)	7.11 (.280)	1.59	1.51	1.44	1.37
Low Profile										
538-43202-4101	43202-4101	C	4/4	Unshielded	11.18 (.440)	3.81 (.150)	.84	.78	.72	.68
538-43202-6101	43202-6101	C	6/6	Unshielded	13.21 (.520)	6.35 (.250)	.76	.60	.55	.52
538-43202-8104	43202-8104	C	8/8	Unshielded	15.24 (.600)	8.89 (.350)	1.29	1.16	1.04	.93
538-43202-8817	43202-8817	C	8/8	Shielded with Top Panel Grounding Tabs	15.85 (.624)	8.89 (.350)	1.82	1.69	1.57	1.45
538-95001-2441	95001-2441	D	4/4	Unshielded	11.18 (.440)	3.81 (.150)	.60	.47	.44	.41
538-95001-2641	95001-2641	D	6/4	Unshielded	13.21 (.520)	3.81 (.150)	.60	.47	.44	.41
538-95001-2661	95001-2661	D	6/6	Unshielded	13.21 (.520)	6.35 (.250)	.57	.45	.42	.40
538-95001-2881	95001-2881	D	8/8	Unshielded	15.24 (.600)	8.89 (.350)	.57	.45	.42	.40
Low Profile, SMT										
538-95001-6441	95001-6441	D	4/4	Unshielded	11.18 (.440)	3.81 (.150)	.68	.63	.61	.59
538-95001-6661	95001-6661	D	6/6	Unshielded	13.21 (.520)	6.35 (.250)	.74	.66	.55	.49
538-95001-6881	95001-6881	D	8/8	Unshielded	15.24 (.600)	8.89 (.350)	.86	.68	.63	.60
Low Profile, SMT with Flush Fitting Nails										
538-44144-0005	44144-0005	E	6/6	Unshielded	13.21 (.520)	6.35 (.250)	1.03	.98	.93	.89
538-44144-0003	44144-0003	E	8/8	Unshielded	15.24 (.600)	8.89 (.350)	1.26	1.20	1.14	1.09
Standard Profile										
538-15-43-7564	15-43-7564	F	6/4	Unshielded, Flush Mount	13.21 (.520)	3.81 (.150)	.65	.58	.52	.46
538-95009-2661	95009-2661	F	6/6	Unshielded, Flush Mount	13.21 (.520)	6.35 (.250)	.69	.58	.55	.48
538-15-43-7588	15-43-7588	F	8/8	Unshielded, Flush Mount	15.24 (.600)	8.89 (.350)	.76	.72	.68	.65
538-15-43-8544	15-43-8544	F	4/4	Unshielded, Flangeless	11.18 (.440)	3.81 (.150)	.67	.62	.58	.54
538-15-43-8564	15-43-8564	F	6/4	Unshielded, Flangeless	13.21 (.520)	3.81 (.150)	.55	.50	.49	.44
538-95009-2667	95009-2667	F	6/6	Unshielded, Flangeless	13.21 (.520)	6.35 (.250)	.75	.69	.62	.56
538-15-43-8588	15-43-8588	F	8/8	Unshielded, Flangeless	15.24 (.600)	8.89 (.350)	.64	.56	.52	.48

VERTICAL MODULAR JACKS

Features:
- Industry compatible
- Foot patterns identical to industry standard jacks
- High reliability, square contact
- Low profile 12.70mm (0.5")

Specifications:
- Voltage: 125V
- Current: 1.5A
- Housing (95003-2xxx): Black Polyester, UL 94V-0
- Housing (95003-6xxx): Black Polyamide, UL 94V-0
- Contact: Phosphor Bronze
- Operating Temperature: -40°C to +80°CV

For quantities of 500 and up, call for quote.

Standard Profile with Small Panel Cutout										
538-95003-2441	95003-2441	G	4/4	Unshielded	11.18 (.440)	3.81 (.150)	.61	.48	.44	.42
538-95003-2661	95003-2661	G	6/6	Unshielded	13.21 (.520)	6.35 (.250)	.70	.55	.51	.49
538-95003-2881	95003-2881	G	8/8	Unshielded	15.24 (.600)	8.89 (.350)	.78	.62	.57	.54
Standard Profile, SMT with Small Panel Cutout										
538-95003-6441	95003-6441	H	4/4	Unshielded	11.18 (.440)	3.81 (.150)	1.04	.82	.76	.72
538-95003-6661	95003-6661	H	6/6	Unshielded	13.21 (.520)	6.35 (.250)	.80	.63	.59	.55
538-95003-6881	95003-6881	H	8/8	Unshielded	15.24 (.600)	8.89 (.350)	.81	.64	.59	.56

PULSE PulseJack™ Filtered Connectors

Pulse
A TECHNITROL COMPANY

RJ45 SURFACE MOUNT JACKS

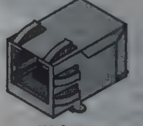
10/100 Base-TX surface mount RJ45 single port (1x1) Tab-UP/DOWN with or without LEDs Integrated Magnetics Connector, designed to support applications such as: Set Top Box and Network Interface Cards (NIC).

Features:
- High performance for maximum EMI suppression
- J3 SMT - Available with or without LEDs
- J0C SMT - Reduced size and low cost alternative to JV Series
- Internal Magnetics: 100% electrically tested for HI-POT & Continuity

Electrical Specifications:
- Meets or exceeds IEEE 802.3 standards for 10/100 Base-T
- Both transmit and receive channels meet IEEE 802.3 specifications
- Minimum 1500Vrms isolation per IEEE 802.3 requirement
- Insertion Loss TX/RX (dB Max.): -1
- Hipot (Vrms Min.) @ 60Hz for 1 minute: 1500

J0C Series

JV0 Series


J30 Series

LED Color: G = Green, Y = Yellow

For quantities of 500 and up, call for quote.

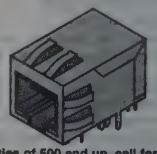
MOUSER STOCK NO.	Pulse Part No.	Turns Ratios		EMI Finger	LEDs L/R	Return Loss (dB Min.) 100Ω (±15Ω)	Crosstalk (dB TYP)	Common Mode Rejection (dB TYP)		Tab Option	BST Circuit	Price Each		
		TX	RX			1-10 MHz	1-10 MHz	1-50 MHz	50-130 MHz			1	25	100
673-J0C-0003	J0C-0003	1CT:1	1CT:1	No	No	-18	-35	-20	-20	Down	No	3.44	2.87	2.61
673-J0C-0004	J0C-0004	1CT:1	1CT:1	Yes	No	-18	-35	-20	-20	Down	No	3.44	2.87	2.61
673-J0C-0005	J0C-0005	1CT:1	1CT:1	No	No	-18	-35	-20	-20	Down	Yes	3.49	2.92	2.66
673-J0C-0006	J0C-0006	1CT:1	1CT:1	Yes	No	-18	-35	-20	-20	Down	Yes	3.44	2.87	2.61
673-JV006I21	JV006I21	1CT:1	1CT:1	Yes	No	-20	-40	-30	-20	Down	No	5.47	4.56	4.15
673-JV011I21	JV011I21	1CT:1	1CT:1	Yes	No	-20	-40	-30	-20	Down	Yes	5.83	4.86	4.42
673-JV026I21	JV026I21	1CTS:1	1CT:1	Yes	No	-20	-40	-30	-20	Down	Yes	6.13	5.11	4.65
673-J3006G21D	J3006G21D	1CT:1	1CT:1	Yes	G/Y	-20	-40	-30	-20	Up	No	6.13	5.11	4.65
673-J3011G21D	J3011G21D	1CT:1	1CT:1	Yes	G/Y	-20	-40	-30	-20	Up	Yes	6.98	5.82	5.29
673-J3018G21K	J3018G21K	1CTS:1.414	1CT:1	Yes	G/G	-20	-40	-30	-20	Up	Yes	7.86	6.55	5.96
673-J3026G01D	J3026G01D	1CTS:1	1CT:1	No	G/Y	-20	-40	-30	-20	Up	Yes	7.53	6.28	5.72
673-J3026G21D	J3026G21D	1CTS:1	1CT:1	Yes	G/Y	-20	-40	-30	-20	Up	Yes	7.53	6.28	5.72

RJ45 TAB-DOWN JACKS

10/100 Base-TX RJ45 1x1 Tab-DOWN with LEDs 8-pin (J0 Series) Integrated Magnetics Connector (ICM), designed to support applications such as: SOHO (ADSL Modems), LAN-on-Motherboard (LOM), Hub and Switches.

Features:
- High performance for maximum EMI suppression
- 1x1 Tab-DOWN RJ45 with integral magnetics
- Available with or without LEDs
- Suitable for CAT 5 & 6 fast ethernet cable or better UTP
- Internal Magnetics: 100% electrically tested for HI-POT & Functionality

Electrical Specifications:
- Meets or exceeds IEEE 802.3 standards for 100 Base-T
- Both transmit and receive channels meet IEEE 802.3 specifications
- 350μH minimum OCL with 8mA bias current
- Minimum 1500Vrms isolation per IEEE 802.3 requirement



LED Color: G = Green, Y = Yellow, YG = Bi-Color LED Yellow Green, N/A = None

For quantities of 500 and up, call for quote.

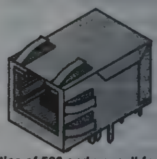
MOUSER STOCK NO.	Pulse Part No.	Turns Ratios		EMI Finger	LEDs L/R	Insertion Loss TX/RX (dB Max.)	Return Loss (dB Min.) 100Ω (±15Ω)				Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (Vrms) Min.)	Price Each		
		TX	RX			1-65 MHz	1-10 MHz	10-30 MHz	30-60 MHz	60-80 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-150 MHz	@60Hz for 1 Min.	1	25	100
673-J0006D21B	J0006D21B	1CT:1	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.29	5.24	4.77
673-J0011D21	J0011D21	1CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.47	4.56	4.15
673-J0011D21B	J0011D21B	1CT:1	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.29	5.24	4.77
673-J0024D21	J0024D21	1CT:2	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5.07
673-J0026D01B	J0026D01B	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.11	5.93	5.39
673-J0033D21	J0033D21	1.25CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	8.61	7.75	6.89
673-J0006D01B	J0006D01B	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.54	4.61	4.20
673-J0006D21	J0006D21	1CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.54	4.61	4.20
673-J0011D01	J0011D01	1CT:1	1CT:1	No	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.49	5.41	4.92
673-J0011D01B	J0011D01B	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.49	5.41	4.92
673-J0011D21E	J0011D21E	1CT:1	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.49	5.41	4.92
673-J0012D21	J0012D21	1CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.63	4.70	4.27
673-J0018D21	J0018D21	1CT:1.414	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5.07
673-J0018D21E	J0018D21E	1CT:1.414	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.63	4.70	4.27
673-J0024D21B	J0024D21B	1CT:2	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5.07
673-J0026D01	J0026D01	1CT:1	1CT:1	No	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5.07
673-J0026D01E	J0026D01E	1CT:1	1CT:1	No	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5.07
673-J0026D01F	J0026D01F	1CT:1	1CT:1	No	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.68	5.57	5.07
673-J0026D21	J0026D21	1CT:1	1CT:1	YES	N/A	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.49	5.41	4.92
673-J0026D21B	J0026D21B	1CT:1	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7.55
673-J0026D21E	J0026D21E	1CT:1	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7.55
673-J0026D21F	J0026D21F	1CT:1	1CT:1	YES	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7.55
673-J0026D21G	J0026D21G	1CT:1	1CT:1	YES	YG/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.77	8.90	8.03
673-J0035D21B	J0035D21B	1CT:1	1CT:1	YES	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7.55
673-J0048D21M	J0048D21M	1CT:1	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	9.18	8.36	7.55
673-J0073D01B	J0073D01B	1CT:2.5	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	8.91	8.12	7.33

RJ45 TAB-UP JACKS

10/100 Base-TX RJ45 1x1 Tab-UP with LEDs 8-pin (J1 Series) and 6-pin (JP Series) Integrated Magnetics Connector (ICM), designed to support applications such as: SOHO (ADSL Modems), LAN-on-Motherboard (LOM), Hub and Switches.

Features:
- High performance for maximum EMI suppression
- 1x1 Tab-UP RJ45 with integral magnetics
- 8 or 6-pin signal versions available
- Available with LEDs
- Suitable for CAT 5 & 6 fast ethernet cable or better UTP
- Internal Magnetics: 100% electrically tested for HI-POT & Functionality

Electrical Specifications:
- Meets or exceeds IEEE 802.3 standards for 100 Base-T
- Both transmit and receive channels meet IEEE 802.3 specifications
- 350μH minimum OCL with 8mA bias current
- Minimum 1500Vrms isolation per IEEE 802.3 requirement



LED Color: G = Green, Y = Yellow, G_O = Green/Orange Bi-Color, R = LEDs with resistors

For quantities of 500 and up, call,for quote.

MOUSER STOCK NO.	Pulse Part No.	Turns Ratios		EMI Finger	LEDs L/R	Insertion Loss TX/RX (dB Max.)	Return Loss (dB Min.) 100Ω (±15Ω)				Crosstalk (dB TYP)			Common Mode Rejection (dB TYP)		Hipot (Vrms) Min.)	Price Each		
		TX	RX			1-65 MHz	1-10 MHz	10-30 MHz	30-60 MHz	60-80 MHz	1-30 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-150 MHz	@60Hz for 1 Min.	1	25	100
673-J1006F01P	J1006F01P	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	5.76	4.32	3.57
673-J1006F21	J1006F21	1CT:1	1CT:1	YES	NONE	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	4.91	3.38	2.80
673-J1011F01P	J1011F01P	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.30	4.73	3.91
673-J1012F01C	J1012F01C	1CT:1	1CT:1	No	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	4.65	3.86	3.33
673-J1012F21C	J1012F21C	1CT:1	1CT:1	YES	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	4.65	3.86	3.33
673-J1012F21K	J1012F21K	1CT:1	1CT:1	YES	G/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.02	4.83	3.99
673-J1012F21L	J1012F21L	1CT:1	1CT:1	YES	RY/RG	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.88	4.73	3.91
673-J1012F21R	J1012F21R	1CT:1	1CT:1	YES	RG/RY	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.88	4.73	3.91
673-J1026F01	J1026F01	1CT:1	1CT:1	No	NONE	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	6.59	4.54	3.75
673-J1026F01P	J1026F01P	1CT:1	1CT:1	No	G/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.93	5.46	4.51
673-J1026F21C	J1026F21C	1CT:1	1CT:1	YES	Y/G	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.93	5.46	4.51
673-JP006821U	JP006821U	1CT:1	1CT:1	YES	G_O/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	7.16	4.93	4.07
673-JP011821U	JP011821U	1CT:1	1CT:1	YES	G_O/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	8.07	5.56	4.59
673-JP026821U	JP026821U	1CT:1	1CT:1	YES	G_O/Y	-1	-20	-16	-12	-10	-40	-35	-30	-30	-20	1500	10.80	9.84	8.88

KYCON Modular Jacks

RoHS Compliant This page of product is compliant.

RIGHT ANGLE MODULAR JACKS

- Snap-In board retention tabs
- Housing Material: PBT Thermoplastic, UL94V-0 rated
- Contact Material: Phosphor Bronze
- Current Rating: 1.5 Amps
- Shield Material: Copper Alloy, Nickel plated

- RoHS Compliance per Kycon Documentation
- Insulation Resistance: 500 MΩ min.
- Dielectric Withstanding Voltage: 1000VAC for 1 minute
- Contact Resistance: 20 mΩ max.
- Standard Contact Plating: 15μ" Gold over Nickel
  50μ" Gold plating available upon request

RoHS Compliant

C US LR76160

∗ Keyed

∗∗ High Temperature Thermoplastic UL94V-0 Rated

For quantities of 1,000 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	USOC Type	Pos. Contact	Price Each			
					1	25	100	500
Grey Body - .570" Height								
806-GLX-N-44	GLX-N-44	A	Handset	4-4	.49	.47	.34	.27
806-GLX-N-64	GLX-N-64	A	RJ11	6-4	.42	.39	.32	.25
806-GLX-N-66	GLX-N-66	A	RJ12	6-6	.57	.53	.41	.33
Grey Body with Panel Stops - .570" Height								
806-GLX-A-44	GLX-A-44	B	Handset	4-4	.56	.47	.34	.27
806-GLX-A-64	GLX-A-64	B	RJ11	6-4	.42	.39	.32	.25
806-GLX-A-66	GLX-A-66	B	RJ12	6-6	.58	.57	.42	.33
Grey Short Body with Panel Stops - .570" Height								
806-GLX-N-88M	GLX-N-88M	B	RJ45	8-8	1.19	1.18	.86	.68
806-GLX-N-1010M	GLX-N-1010M	B	RJ45/10	10-10	1.35	1.33	.98	.77
Black Body with Panel Stops - .595" Height								
806-GDX-A-44	GDX-A-44	C	Handset	4-4	.72	.66	.48	.41
806-GDX-A-64	GDX-A-64	C	RJ11	6-4	.72	.67	.49	.41
806-GDX-A-66	GDX-A-66	C	RJ12	6-6	.83	.74	.55	.46
806-GDX-A-88	GDX-A-88	C	RJ45	8-8	1.06	.90	.66	.56
Black Body - .492" Height								
806-GDLX-N-64	GDLX-N-64	D	RJ11	6-4	.79	.73	.53	.45
806-GDLX-N-66	GDLX-N-66	D	RJ12	6-6	.81	.74	.54	.46
806-GDLX-N-88	GDLX-N-88	D	RJ45	8-8	1.05	.97	.71	.60
Black Body with Panel Stops - .492" Height								
806-GDLX-A-66	GDLX-A-66	E	RJ12	6-6	1.00	.92	.68	.60
806-GDLX-A-88	GDLX-A-88	E	RJ45	8-8	1.18	1.06	.77	.69
∗ 806-GDLX-A-88K	GDLX-A-88K	E	RJ45	8-8	1.18	1.06	.77	.69
Shielded Black Body with Panel Stops - .492" Height								
806-GDLX-S-66	GDLX-S-66	E	RJ12	6-6	1.31	1.27	.93	.78
806-GDLX-S-88	GDLX-S-88	E	RJ45	8-8	1.52	1.40	1.02	.87
∗ 806-GDLX-S-88K	GDLX-S-88K	E	RJ45	8-8	1.49	1.40	1.02	.87
Surface Mount Black Body with Panel Stops - .492" Height - High Temperature/Reflow Compatible								
∗∗806-GDLX-SMT-N-88	∗∗GDLX-SMT-N-88	F	RJ45	8-8	1.52	1.34	.98	.87

LOW PROFILE RIGHT ANGLE MODULAR JACKS

- Snap-In board retention tabs
- Housing Material: PBT Thermoplastic, UL94V-0 rated
- Contact Material: Phosphor Bronze
- Current Rating: 1.5 Amps
- Shield Material: Copper Alloy, Nickel plated
- Low Profile

- RoHS Compliance per Kycon Documentation
- Insulation Resistance: 500 MΩ min.
- Dielectric Withstanding Voltage: 1000VAC for 1 minute
- Contact Resistance: 20 mΩ max.
- Standard Contact Plating: 15μ" Gold over Nickel
  50μ" Gold plating available upon request

RoHS Compliant

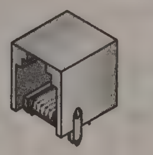
C US

∗∗ High Temperature Thermoplastic UL94V-0 Rated

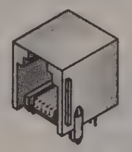
For quantities of 1,000 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	USOC Type	Pos. Contact	Price Each			
					1	25	100	500
Black Body - .450" Height								
806-GMX-N-44	GMX-N-44	G	Handset	4-4	.71	.70	.51	.40
806-GMX-N-64	GMX-N-64	G	RJ11	6-4	.71	.70	.51	.40
806-GMX-N-66	GMX-N-66	G	RJ12	6-6	.99	.92	.68	.56
806-GMX-N-88	GMX-N-88	G	RJ45	8-8	1.10	.99	.73	.63
806-GMX-N-1010	GMX-N-1010	G	RJ45/10	10-10	1.34	1.27	.90	.80
Shielded Black Body - .450" Height								
806-GMX-S-66	GMX-S-66	H	RJ12	6-6	1.68	1.56	1.14	.96
806-GMX-S-88	GMX-S-88	H	RJ45	8-8	1.84	1.70	1.25	1.05
806-GMX-S-1010	GMX-S-1010	H	RJ45/10	10-10	2.19	1.98	1.45	1.25
Surface Mount Black Body - .450" Height - High Temperature/Reflow Compatible								
∗∗ 806-GMX-SMT2-N-44	∗∗ GMX-SMT2-N-44	I	Handset	4-4	1.01	.93	.68	.58
∗∗ 806-GMX-SMT2-N-64	∗∗ GMX-SMT2-N-64	I	RJ11	6-4	1.14	1.05	.77	.65
∗∗ 806-GMX-SMT2-N-66	∗∗ GMX-SMT2-N-66	I	RJ12	6-6	1.14	1.05	.77	.65
∗∗ 806-GMX-SMT2-N-88	∗∗ GMX-SMT2-N-88	I	RJ45	8-8	1.33	1.23	.90	.76
∗∗ 806-GMX-SMT2-N1010	∗∗ GMX-SMT2-N-1010	I	RJ45/10	10-10	1.52	1.40	1.02	.87
Surface Mount Shielded Black Body - .450" Height - High Temperature/Reflow Compatible								
∗∗ 806-GMX-SMT2-S-66	∗∗ GMX-SMT2-S-66	J	RJ12	6-6	1.84	1.70	1.24	1.05
∗∗ 806-GMX-SMT2-S-88	∗∗ GMX-SMT2-S-88	J	RJ45	8-8	2.26	2.09	1.53	1.29
∗∗ 806-GMX-SMT2S-1010	∗∗ GMX-SMT2-S-1010	J	RJ45/10	10-10	2.25	2.08	1.52	1.29
Surface Mount Black Body (No Mounting Pegs) - .453" Height - High Temperature/Reflow Compatible								
∗∗ 806-GMX-SMT4-N-64	∗∗ GMX-SMT4-N-64	K	RJ11	6-4	1.38	1.24	.90	.79
∗∗ 806-GMX-SMT4-N-88	∗∗ GMX-SMT4-N-88	K	RJ45	8-8	1.79	1.60	1.17	1.02

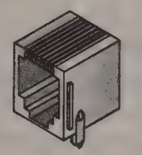
A



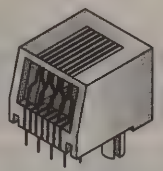
B



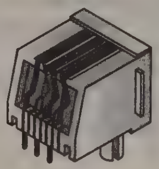
C



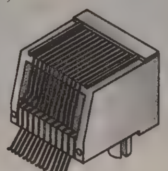
D



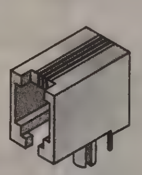
E



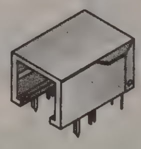
F



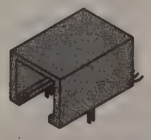
G



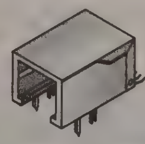
H



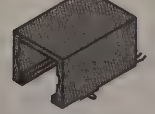
I



J



K



KYCON HDMI, RJ45, IEEE 1394, and USB Connectors

This page of product is compliant.

HDMI CONNECTORS

NEW FROM SUPPLIER

- Rated Voltage: 40V AC (R.M.S)
- Contact Current Rating: 0.5A Min.
- Dielectric Withstanding: 500V AC (unmated)/300V AC (mated)
- Plating: 30μ" Gold plated over Nickel
- Shell: Copper Alloy, Solderable Nickel plated
- Insulator: UL94V-0 Rated Thermoplastic
- Operating Temperatue: -25°C to 85°C
- RoHS Compliance per Kycon Documentation

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Type	Price Each			
				1	25	100	500
806-KDMIX-FS1-NS-B	KDMIX-FS1-NS-B	A	Receptacle, Type A, SMT shield with Flange	2.55	2.32	2.09	1.85
806-KDMIX-FS1-WS-B	KDMIX-FS1-WS-B	A	Receptacle, Type A, SMT shield with Top Spring and Flange	3.50	3.38	2.47	2.25
806-KDMIX-FS2-NS-B	KDMIX-FS2-NS-B	B	Receptacle, Type A, Dip shield with Flange	3.50	3.38	2.47	2.25
806-KDMIX-FS2-WS-B	KDMIX-FS2-WS-B	B	Receptacle, Type A, Dip shield with Top Spring and Flange	3.55	3.21	2.71	2.54
806-KDMIX-NS1-NS-B	KDMIX-NS1-NS-B	C	Receptacle, Type A, SMT shield	2.45	2.23	2.00	1.78
806-KDMIX-NS1-WS-B	KDMIX-NS1-WS-B	C	Receptacle, Type A, SMT shield with Top Spring	3.50	3.38	2.47	2.25
806-KDMIX-NS2-NS-B	KDMIX-NS2-NS-B	D	Receptable, Type A, TH shield, no Top Spring	3.50	3.38	2.47	2.25
806-KDMIX-NS2-WS-B	KDMIX-NS2-WS-B	D	Receptacle, Type A, Dip shield with Top Spring	3.00	2.80	2.61	1.95

RJ45 RIGHT ANGLE MODULAR JACKS

RoHS Compliant

- Category 5 100MHz bandwidth performance
- Attenuation at 100MHz less than 0.13dB
- Shield Material: Copper Alloy, Nickel plated
- RoHS Compliance per Kycon Documentation
- Contact Material: Phosphor Bronze
- Current Rating: 1.5 Amps
- Housing Material: Black PBT Thermoplastic, Glass Filled, UL94V-0 rated

C US LR78160

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	No. of Ports	Ground Pin Spacing	Price Each			
					1	25	100	500
Fully Shielded Body - .515" Height								
806-GSX-NS-8830530	GSX-NS-88-3.05-30	E	1	3.05mm	1.44	1.35	.96	.86
806-GSX-NS-88-368	GSX-NS-88-3.68	E	1	3.68mm	1.64	1.51	1.11	.94
806-GSX-NS-88-457	GSX-NS-88-4.57	E	1	4.57mm	1.64	1.51	1.11	.94
Fully Shielded Body with Top Ground tabs - .515" Height								
806-GSX-NS2-88-305	GSX-NS2-88-3.05	F	1	3.05mm	1.61	1.51	1.11	.94
Black Body Multi-Port - .530" Height								
806-GSGX-N-2-88	GSGX-N-2-88	G	2	-	2.32	2.17	1.59	1.32
806-GSGX-N-4-88	GSGX-N-4-88	G	4	-	4.64	4.35	3.18	2.65
Fully Shielded Body Multi-Port with Top Ground Tabs - .540" Height								
806-GSGX-NS2288368	GSGX-NS2-288-368	H	2	3.68mm	3.35	3.14	2.29	1.91
806-GSGX-NS2488368	GSGX-NS2-488-368	H	4	3.68mm	6.70	6.28	4.59	3.83

IEEE 1394 / FIREWIRE CONNECTORS

- Voltage Rating: 30 VAC
- Rated 400 Mbps
- Supports hot plugging
- Operating Temperature: -55°C to +85°C
- RoHS Compliance per Kycon Documentation
- 2mm pin spacing
- Shell: Nickel plated Copper alloy
- Durability: 1500 plus cycles
- Contacts: Phosphor Bronze
- Insulator: PBT Thermoplastic, UL94V-0 Rated
- Standard Contact Plating: 30μ" Gold over Nickel on contacts

RoHS Compliant

C US LR78160

✻ High Temperature Thermoplastic UL94V-0 Rated

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Insulator Color	Description	Price Each			
					1	25	100	500
Right Angle Vertical Upright Sockets - .484" Height								
806-KFWSX-V-100B30	KFWSX-V-100B-30	I	Black	6.55mm	2.84	2.75	2.15	1.62
806-KFWSX-V-100W30	KFWSX-V-100W-30	I	White	6.55mm	2.84	2.75	2.15	1.62
Right Angle Surface Mount Sockets - .327" Height - High Temperature/Reflow Compatible								
✻806-KFWSX-SMT100W3	✻KFWSX-SMT-100W30	J	White	4.65mm	2.50	2.35	1.80	1.35
Shielded Right Angle Surface Mount Sockets - .327" Height - High Temperature/Reflow Compatible								
✻806-KFWSXSMTBS10B3	✻KFWSX-SMTBS-100B30	K	Black	4.65mm	2.50	2.35	1.80	1.35

4P MINI IEEE 1394 CONNECTORS

- Insulator: PBT thermoplastic, black, UL94V-0 rated
- Shell: Stainless steel, tin plating
- Dielectric withstanding voltage: 750VAC for 1 min.
- RoHS Compliance per Kycon Documentation
- Rated up to 400Mbps
- Contacts: Phosphor bronze, 30μ " gold plating
- Insertion force: 2kg max.
- Capacitance: 2pF max.
- Withdrawal force: 0.5kg min.
- Voltage rating: 30VAC

RoHS Compliant

✻ High Temperature Thermoplastic UL94V-0 Rated

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Type	Price Each			
				1	25	100	500
806-KMFSX-PR-200B-30	KMFSX-PR-200B-30	L	PCB Mount	3.66	3.44	2.51	1.92
806-KMFSX-PR-201B-30	KMFSX-PR-201B-30	L	PCB Mount	3.66	3.44	2.51	1.92
✻ 806-KMFSX-SMT310B-30	✻KMFSX-SMT-310B-30	M	Surface Mount	1.98	1.80	1.65	1.31

SURFACE MOUNT MINI-USB SOCKET CONNECTORS

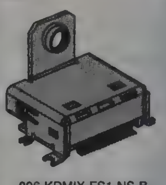
- Overall size 1/3 of standard USB
- Contacts: Phosphor bronze, 30μ" gold plated
- High Temperature Thermoplastic, UL94V-0 Rated
- RoHS Compliance per Kycon Documentation
- Insulation resistance: 1000 MΩ min.
- Contact current rating: 1A max.
- Contact resistance: 50 mΩ max.
- Shell: Copper alloy
- Voltage rating: 30VAC
- Meets USB 2.0 specification

RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Kycon Part No.	Fig.	Insulator Color	Type	Price Each			
					1	25	100	500
806-KMAXSMT5SS30TR	KMAX-SMT-5S-S30TR	N	White	A	3.61	2.83	2.00	1.67
806-KMABXSMT5SS30T	KMABX-SMT-5S-S-30TR	N	Grey	AB	3.62	2.83	2.00	1.67
806-KMBXSMT5SS30TR	KMABX-SMT-5S-S30TR	N	Black	B	3.62	2.83	2.00	1.67
806-KMBXSMT45SS30T	KMBX-SMT4-5S-S-30TR	N	Black	B	3.61	2.83	2.00	1.67

A

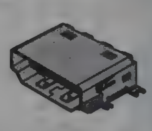


806-KDMIX-FS1-NS-B illustrated

B

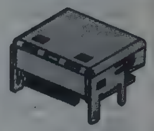
806-KDMIX-FS2-NS-B illustrated

C



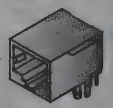
806-KDMIX-NS1-NS-B illustrated

D



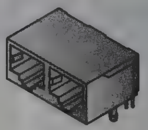
806-KDMIX-NS2-NS-B illustrated

E

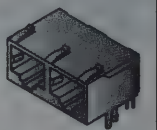


F

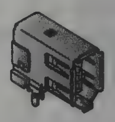
G



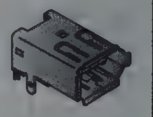
H



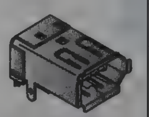
I



J

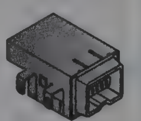


K

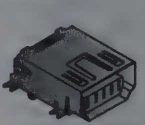


L

M



N



KYCON USB Connectors

RoHS Compliant This page of product is compliant.

RIGHT ANGLE USB SOCKET CONNECTORS

KUSB Series - Meets USB 1.1 and 2.0 Specifications

- Insulator: PCB version: PBT Thermoplastic, UL94V-0 rated
- Contacts: Phosphor Bronze
- RoHS Compliance per Kycon Documentation
- Contact Plating: Gold over Nickel on contacts
- Operating Temperature: -25°C to +80°C
- Contact Resistance: 15 Milliohms max.
- Shell: Phosphor Bronze

RoHS Compliant

* w/ Backshield

* * High Temperature Thermoplastic UL94V-0 Rated

For quantities of 1000 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	Type / Plating	Insulator Color	Price Each			
					1	25	100	500
PCB Mount								
806-KUSBX-AS1N-B	KUSBX-AS1N-B	A	A, Gold Flash	Black	.60	.53	.39	.33
806-KUSBX-AS1N-B30	KUSBX-AS1N-B30	A	A, 30μ" Gold	Black	.91	.80	.59	.50
806-KUSBX-AS-1N-W	KUSBX-AS1N-W	A	A, Gold Flash	White	.60	.47	.34	.28
806-KUSBX-AS1N-W30	KUSBX-AS1N-W30	A	A, 30μ" Gold	White	.91	.80	.59	.50
806-KUSBX-AS2N-B	KUSBX-AS2N-B	B	A-Dual, Gold Flash	Black	.90	.79	.58	.49
806-KUSBX-AS2N-B30	KUSBX-AS2N-B30	B	A-Dual, 30μ" Gold	Black	1.39	1.09	.78	.66
806-KUSBX-AS2N-W	KUSBX-AS2N-W	B	A-Dual, Gold Flash	White	.90	.79	.58	.49
806-KUSBX-AS2N-W30	KUSBX-AS2N-W30	B	A-Dual, 30μ" Gold	White	1.39	1.22	.89	.76
* 806-KUSBX-ASBS2N-BLK	KUSBX-ASBS2N-B	B	A-Dual, Gold Flash	Black	.98	.77	.55	.46
806-KUSBX-BS1N-B	KUSBX-BS1N-B	C	B, Gold Flash	Black	.71	.62	.45	.38
806-KUSBX-BS1N-B30	KUSBX-BS1N-B30	C	B, 30μ" Gold	Black	1.15	1.01	.74	.63
806-KUSBX-BS1N-W	KUSBX-BS1N-W	C	B, Gold Flash	White	.71	.62	.45	.38
806-KUSBX-BS1N-W30	KUSBX-BS1N-W30	C	B, 30μ" Gold	White	1.10	1.01	.74	.63
Surface Mount								
** 806-KUSBXSMTAS1N-B	KUSBX-SMT-AS1N-B	D	A, Gold Flash	Black	1.03	.90	.66	.56
** 806-KUSBXSMTAS1N-W	KUSBX-SMT-AS1N-W	D	A, Gold Flash	White	1.03	.90	.66	.56
** 806-KUSBX-SMTAS1NW30	KUSBX-SMT-AS1NW30	D	A, 30μ" Gold	White	1.36	1.07	.76	.64
** 806-KUSBX-SMT-BS1N-B	KUSBX-SMT-BS1N-B	E	B, Gold Flash	Black	1.63	1.28	.91	.77
** 806-KUSBX-SMTBS1NB30	KUSBX-SMT-BS1N-B30	E	B, 30μ" Gold	Black	1.79	1.40	.99	.84
** 806-KUSBX-SMT-BS1N-W	KUSBX-SMT-BS1N-W	E	B, Gold Flash	White	1.63	1.28	.91	.77
** 806-KUSBX-SMTBS1NW30	KUSBX-SMT-BS1N-W30	E	B, 30μ" Gold	White	1.79	1.40	.99	.84

VERTICAL SLIM PROFILE USB SOCKET CONNECTORS

KUSB SL Series - Meets USB 1.1 and 2.0 Specifications

- Contact Resistance: 30 mΩ max.
- Operating Temperature: -55°C to +80°C
- Contacts: Phosphor Bronze
- RoHS Compliance per Kycon Documentation
- Contact Plating: Gold over Nickel on contacts
- Shell: Copper Alloy
- Insulator: PBT Thermoplastic
- PCB Mount
- Slim Profile

RoHS Compliant

For quantities of 1000 and up, call for quote.

806-KUSBX-SL-AS1NB	KUSBX-SL-AS1N-B	F	A, Gold Flash	Black	1.15	1.01	.73	.59
806-KUSBXSLAS1NB30	KUSBX-SL-AS1N-B30	F	A, 30μ" Gold	Black	1.27	.99	.70	.64
806-KUSBX-SL-AS1NW	KUSBX-SL-AS1N-W	F	A, 30μ" Gold	White	1.17	1.01	.74	.67

VERTICAL TOP ENTRY USB SOCKET CONNECTORS

KUSBV Series - Meets USB 1.1 and 2.0 Specifications

- Insulator: PBT Thermoplastic, UL94V-0 rated
- Contact Resistance: 15 mΩ max.
- Contacts: Phosphor Bronze
- Contact Plating: Gold over Nickel on contacts
- Shell: Phosphor Bronze
- RoHS Compliance per Kycon Documentation
- PCB Mount
- Operating Temperature: -25°C to +80°C

RoHS Compliant

For quantities of 1000 and up, call for quote.

806-KUSBVX-AS1N-B	KUSBVX-AS1N-B	G	A, Gold Flash	Black	.85	.78	.57	.49
806-KUSBVX-AS1NB30	KUSBVX-AS1N-B30	G	A, 30μ" Gold	Black	1.01	.92	.67	.58
806-KUSBVX-AS1N-W	KUSBVX-AS1N-W	G	A, Gold Flash	White	.92	.78	.57	.49
806-KUSBVX-AS1NW30	KUSBVX-AS1N-W30	G	A, 30μ" Gold	White	1.09	.92	.67	.58
806-KUSBVX-AS2N-W	KUSBVX-AS2N-W	H	A-Dual, Gold Flash	White	1.86	1.64	1.20	.98
806-KUSBVX-BS1N-B	KUSBVX-BS1N-B	I	B, Gold Flash	Black	1.12	.98	.72	.59
806-KUSBVX-BS1N-W	KUSBVX-BS1N-W	I	B, Gold Flash	White	1.12	.98	.72	.59

LOW PROFILE RIGHT ANGLE USB SOCKET CONNECTORS

KUSBL Series - Meets USB 1.1 and 2.0 Specifications

- Insulator: HTN Thermoplastic, UL94V-0 rated
- Operating Temperature: -55°C to +80°C
- Low Profile
- Contact Plating: Gold over Nickel on contacts
- Shield: Copper, Nickel plated
- RoHS Compliance per Kycon Documentation
- Contact Resistance: 30 mΩ max.
- Contacts: Phosphor Bronze

RoHS Compliant

* * High Temperature Thermoplastic UL94V-0 Rated

For quantities of 1000 and up, call for quote.

PCB Mount								
806-KUSBLX-AS2N-B	KUSBLX-AS2N-B	J	A-Dual, Gold Flash	Black	1.69	1.33	.95	.77
806-KUSBLX-AS2N-B30	KUSBLX-AS2N-B30	J	A-Dual, 30μ" Gold	Black	1.63	1.57	1.15	.93
806-KUSBLX-AS2N-W	KUSBLX-AS2N-W	J	A-Dual, Gold Flash	White	1.69	1.49	1.09	.89
806-KUSBLX-AS2N-W30	KUSBLX-AS2N-W30	J	A-Dual, 30μ" Gold	White	2.05	1.61	1.15	.93
Surface Mount								
** 806-KUSBLX-SMTAS1NB	KUSBLX-SMT-AS1N-B	K	A, Gold Flash	Black	1.34	1.21	.89	.72
** 806-KUSBLXSMTAS1NB30	KUSBLX-SMT-AS1NB30	K	A, 30μ" Gold	Black	1.44	1.38	1.01	.82
** 806-KUSBLX-SMTAS1NW	KUSBLX-SMT-AS1N-W	K	A, Gold Flash	White	1.26	1.21	.89	.72
** 806-KUSBLXSMTAS1NW30	KUSBLX-SMT-AS1NW30	K	A, 30μ" Gold	White	1.44	1.38	1.01	.82

SURFACE MOUNT TYPE A USB PLUG CONNECTORS

KUSB-SMT2 Series

* * High Temperature Thermoplastic UL94V-0 Rated

- Insulator: PA6T Thermoplastic, UL94V-0 rated
- 4 Pin Type A plug
- Contacts: Phosphor Bronze
- Designed for use in Dongles and Adapters
- Operating Temperature: -55°C to +80°C
- RoHS Compliance per Kycon Documentation
- Contact Resistance: 30 mΩ max.
- Shield: Copper, Nickel plated (shielded)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	Plastic Posts (mm)	Plating	Insulator Color	Price Each			
						1	25	100	500
** 806-KUSBXSMT2AP1SB	KUSBX-SMT2AP1S-B	L	0.90	Gold Flash	Black	2.14	1.69	1.20	.98
** 806-KUSBXST2AP1SB3	KUSBX-SMT2AP1S-B30	L	0.90	30μ" Gold	Black	2.33	2.05	1.50	1.22
** 806-KUSBX-SMT2AP1S-W	KUSBX-SMT2AP1S-W	L	0.90	Gold Flash	White	2.14	1.69	1.20	.98
** 806-KUSBXST2AP1SW3	KUSBX-SMT2AP1S-W30	L	0.90	30μ" Gold	White	2.33	2.05	1.50	1.22
** 806-KUSBXSMT2AP5SB	KUSBX-SMT2AP5S-B	L	1.35	Gold Flash	Black	2.14	1.88	1.38	1.12
** 806-KUSBXSMT2AP5SW	KUSBX-SMT2AP5S-W	L	1.35	Gold Flash	White	2.33	1.88	1.38	1.12

USB PLUG ASSEMBLIES

KUSB Series

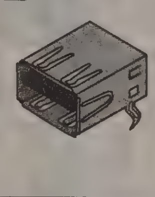
- Insulator: PBT Thermoplastic, UL94V-0 rated
- RoHS Compliance per Kycon Documentation
- Insulator Color: White
- Shell: Phosphor Bronze
- Solder Cup Ends

RoHS Compliant

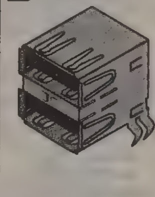
For quantities of 200 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	Description	Price Each			
				1	10	25	50
806-KUSBX-AP-KITSC	KUSBX-AP-KIT-SC	M	USB A-type Plug Assembly	.94	.85	.67	.47
806-KUSBX-BP-KITSC	KUSBX-BP-KIT-SC	N	USB B-type Plug Assembly	.94	.74	.54	.46

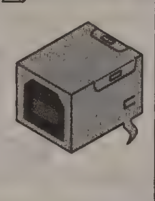
A



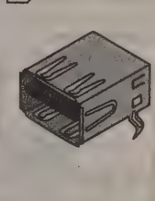
B



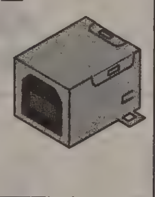
C



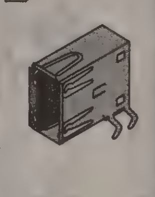
D



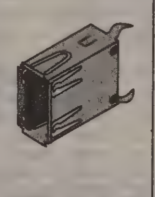
E



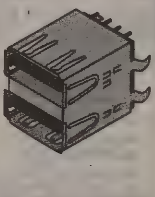
F



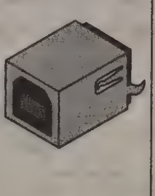
G



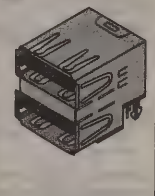
H



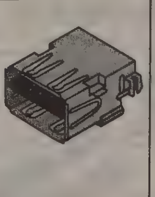
I



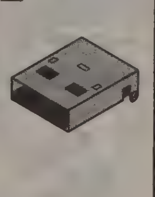
J



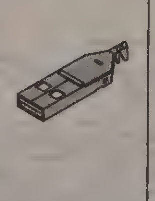
K



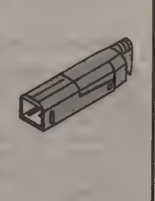
L



M

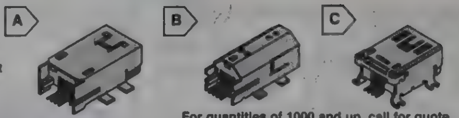


N



KOBICONN MINI-USB SMT RECEPTACLES

Specifications:
- Voltage rating: 30VAC (rms)
- Current rating: 1A per contact
- Contact area plating gold



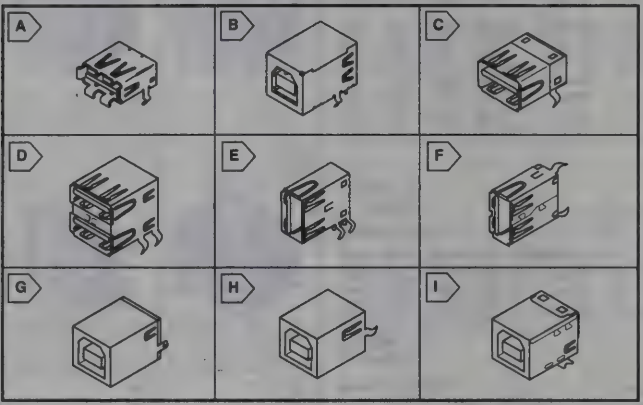
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Description	Price Each			
					1	10	100	500
154-3100	A	A	Black	4 Pin	1.44	1.20	1.09	.99
154-4100	B	B	Black	4 Pin	1.44	1.20	1.09	.99
154-4101	C	B	Black	5 Pin	1.44	1.20	1.09	.99
154-5101	C	C	Black	5 Pin	1.44	1.20	1.09	.99

KOBICONN USB RECEPTACLES

RoHS Compliant

Specifications:
- Voltage rating: 30VAC (rms)
- Current rating: 1A per contact
- Contact area plating gold

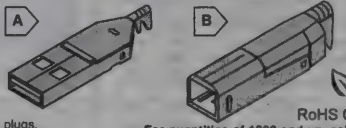


For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Description	Price Each			
					1	10	100	500
154-2742-E	A	A	White	USB 4 Pin through hole	.59	.46	.42	.38
154-2442-E	B	B	White	USB 4 Pin through hole	.64	.49	.45	.41
154-UAR42-E	C	A	Black	Receptacle Rt Angle SMT	.85	.71	.60	.54
154-UAR64-E	D	A	Black	Recept., Rt Angle Double *	1.67	1.28	.99	.76
154-UAR80-E	E	A	White	Recept., Up-Right Single *	1.49	1.15	.89	.68
154-UAS21-E	F	A	White	Recept., Vertical, Single *	1.32	1.01	.78	.60
154-UBW21-E	G	B	White	Recept. and Solder tail	1.49	1.15	.89	.68
154-UBS21-E	H	B	White	Recept., Vertical, Single *	1.32	1.01	.78	.60
154-UBR44-E	I	B	White	Recept. Right Angle SMT	1.26	.99	.89	.81

* Thru-hole

KOBICONN USB CABLE PLUGS ASSEMBLY TYPE



Specifications:
- Contacts: selective gold plate
- Insulator: PBT

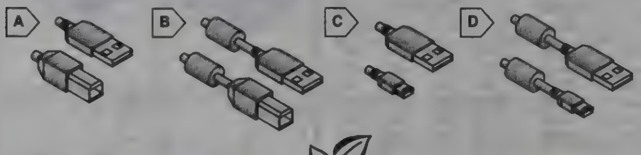
Make your own cable. Both A & B type plugs.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Description	Price Each			
					1	10	100	500
154-UAW16-E	A	A	Sil/White	A type 4 pin	.68	.45	.41	.37
154-UBW32-E	B	B	Sil/White	B type 4 pin	.68	.45	.41	.37

KOBICONN USB CABLES



- 100% Open, short & mis-wire tested
- Black

RoHS Compliant **For quantities 500 and up, call for quote.**

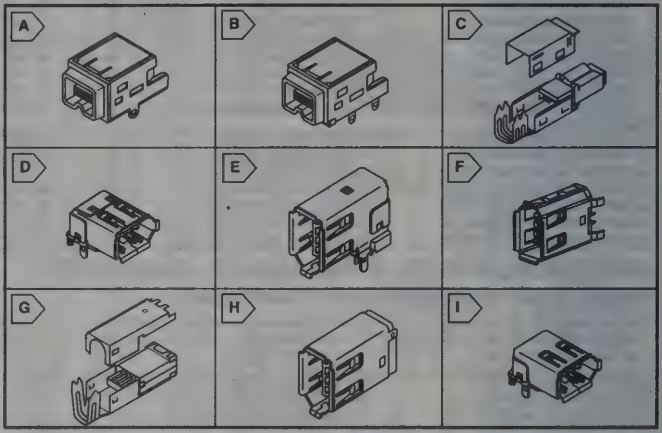
MOUSER STOCK NO.	Fig.	Length (In.)	Description	Price Each			
				1	10	25	100
172-1024-E	A	1.8M (71)	USB A male to USB B male	4.26	3.38	3.08	2.80
172-1027-E	B	1.5M (59)	Filtered USB A male to USB B male	4.58	3.53	3.21	2.92
172-1025-E	C	1.8M (71)	USB A male to Mini-USB B male	4.53	3.77	3.43	3.12
172-1026-E	D	1.5M (59)	Filtered USB A male to Mini-USB B male	5.23	4.03	3.66	3.33

KOBICONN IEEE 1394 FIREWIRE RECEPTACLES AND PLUGS

Features:
- The 4-pin and 6-pin I/O connectors are available in both plugs and receptacles.
- Receptacles are offered with high temperature plastic for true SMT processing.
- Fully shielded metal frame of the receptacle is for ESD protection.
- Rugged gold plated terminals withstand up to 1500 mating cycles with less than 30 mΩ.

Specification:
- Mating cycles: 1500 cycles minimum
- Contact Resistance: 30mΩ
- Vibration: NO discontinuity at 1 micro-second during 3-axis vibration(Peak 30G Random vibration)
- Withstanding Voltage: 500V DC ±50V DC minimum
- Insulation Resistance: 100MΩ minimum
- Electrostatic Discharge: NO evidence of discharge to any of the 6 positions & the 4 positions

RoHS Compliant

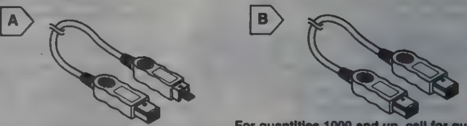


For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
154-AVR20-E	A	4 Pin Receptacle, Right Angle, Thru-Hole	2.61	2.01	1.55	1.20
154-AVR40-E	B	4 Pin Receptacle, Right Angle, SMT Type	2.46	1.89	1.46	1.20
154-AVW10-E	C	4 Pin Plug, Solder Type	2.31	1.78	1.37	1.05
154-FWR41-E	D	6 Pin Receptacle, Right Angle, SMT Type	1.62	1.35	1.04	.80
154-FWR80-E	E	6 Pin Receptacle, Up-Right, Thru-Hole	1.60	1.33	1.02	.81
154-FWS20-E	F	6 Pin Receptacle,Vertical, Thru-Hole	2.61	2.01	1.55	1.20
154-FWW15-E	G	6 Pin Plug, Solder Type, Long Body	2.08	1.60	1.23	.95
154-FWW20-E	H	6 Pin Plug, Receptacle, Solder Type, Long Body	2.08	1.60	1.23	.95
154-FWR20-E	I	6 Pin Receptacle, Right Angle, Thru-Hole	1.85	1.42	1.09	.84

KOBICONN IEEE 1394 FIREWIRE CABLES

Specifications:
- PVC-BK10/50
- 1 or 2 Meter Lengths



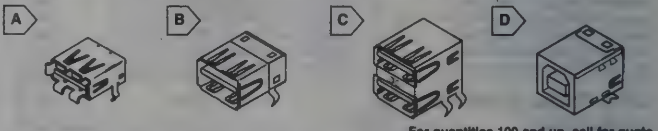
For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length	Description	Price Each			
				1	10	100	500
172-1391	A	1M	6P/4P-1M	4.34	3.61	3.28	2.99
172-1392	A	2M	6P/4P-2M	5.31	4.83	4.39	3.99
172-1393	B	1M	6P/6P-1M	4.34	3.61	3.28	2.99
172-1394	B	2M	6P/6P-2M	5.31	4.83	4.39	3.99

MILL-MAX USB RECEPTACLES FOR THRU-HOLE & SURFACE MOUNT

RoHS Compliant

- Plug retention tabs
- Kinked locating legs for secure PCB termniation
- Fully compatible with USB 1.0 & 2.0 specifications
- Contact finish: 30μ" selective gold, tin/copper tail
- Housing material: high temp thermoplastic rated UL94V-0
- RoHS compliant per Mill-Max documentation



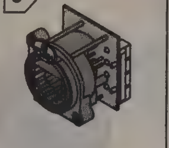
For quantities 100 and up, call for quote.

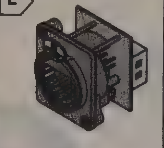
MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	25	50
575-4300400	A	Type A Receptacle, Single, SMT	1.23	1.07	.86	.74
575-4300490	B	Type A Receptacle, Single, Thru Hole	1.23	1.07	.86	.74
575-4300890	C	Type A Receptacle, Double, Thru Hole	1.94	1.68	1.36	1.17
575-8974349	D	Type B Receptacle, Single, Thru Hole	1.23	1.07	.86	.74

EtherCon®, USB / Firewire Connectors & OpticalCon®

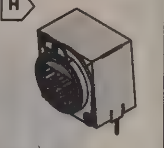
A

B

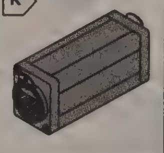
C

D

E

F

G

H

I

J

K

L

M

N

O

P

ETHERCON® SERIES - RJ45 RECEPTACLES

Specifications:

- Rated Current: 1.5A
- Flammability: UL94V-0
- Category 5e
- Material Temperature Range: -30°C to +80°C
- Number of Contacts: 8

- RoHS Compliant per Neutrik documentation
- Female chassis connectors are based on the current NEUTRIK® A, B & D Series of XLR receptacle
- Terminations are horizontal and vertical PCB or IDC, punch down
- Color coding available for both the cable carrier and receptacles for ease of identification
- Frequency Bandwidth: 1-100 MHz

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Price Each			
				1	10	25	100
568-NE8FAH	NE8FAH	A	Horizontal PCB, All Plastic, XLR A Series cutout with secure latching system	**4.20**	**4.06**	**3.75**	**3.30**
568-NE8FBH	NE8FBH	A	Horizontal PCB, Nickel Ring, XLR A Series cutout with secure latching system	**4.51**	**4.31**	**4.05**	**3.61**
568-NE8FAV	NE8FAV	B	Vertical PCB, All Plastic, XLR A Series cutout with secure latching system	**4.20**	**4.06**	**3.75**	**3.30**
568-NE8FBV	NE8FBV	B	Vertical PCB, Nickel Ring, XLR A Series cutout with secure latching system	**4.47**	**4.09**	**3.84**	**3.61**
568-NE8FAV-YK	NE8FAV-YK	C	Panel Mount with IDC Krone Terminals, All Plastic, XLR A Series cutout	**9.00**	**8.05**	**7.11**	**6.49**
568-NEFAV-Y110	NE8FAV-Y110	C	Panel Mount with IDC 110 Punch Down Terminals, All Plastic, XLR A Series	**9.50**	**9.05**	**8.75**	**8.05**
568-A-SCREW-1-8	A-SCREW-1-8	D	Black self tapping PLASTITE® Screw, 2.9x8 tri-rondular configuration, panhead	**.10**	**.09**	**.08**	**.07**
568-E-SCREW-1-12	E-SCREW-1-12	D	Black self tapping PLASTITE® Screw for EtherCon® D-shape receptacles	**.15**	**.14**	**.13**	**.12**
568-NE8FDP	NE8FDP	E	Feedthrough, D-sized metal flange with secure latch system	**8.01**	**7.96**	**7.18**	**6.50**
568-NE8FDP-B	NE8FDP-B	E	Feedthrough, D-sized black chrome metal flange with secure latch system	**10.52**	**9.96**	**9.46**	**8.94**
568-NE8FDV-Y110	NE8FDV-Y110	F	Panel Mount with IDC 110 Punch Down Terminals, D-sized metal flange	**8.91**	**8.01**	**7.11**	**6.81**
568-NE8FDV-Y110-B	NE8FDV-Y110-B	F	Panel Mount with IDC 110 Punch Down Terminals, D-sized black metal flange	**10.50**	**9.45**	**8.75**	**7.95**
568-NE8FDV-YK	NE8FDV-YK	F	Panel Mount with IDC Krone Terminals, D-sized metal flange	**8.66**	**7.57**	**7.22**	**6.85**
568-NE8FDV-YK-B	NE8FDV-YK-B	F	Panel Mount with IDC Krone Terminals, D-sized black chrome metal flange	**9.10**	**8.50**	**7.75**	**7.25**
568-NE8FBH-LED	NE8FBH-LED	G	Horizontal PCB mount RJ45, offers 2 light pipes for 3mm LED's	**6.64**	**6.31**	**5.98**	**5.64**
568-NE8FBH-S	NE8FBH-S	H	Horizontal PCB mount RJ45 receptacle, Shielded closed metal housing	**5.59**	**5.45**	**5.30**	**5.01**

ETHERCON® SERIES - RJ45 CABLE CARRIERS

Specifications:

- Cable end offers a robust die-cast shell as a carrier for pre-assembled and not assembled RJ45 plugs
- Electrical specs depend on type of RJ45 plugs used
- Cable O.D. Range - Max. 8 mm / 0.315"
- Standard bushing color is black; 9 different coding colors available upon request

- RoHS Compliant per Neutrik documentation
- Flammability: UL94V-0
- Temperature Range: -30°C to +80°C
- RJ45 cable carrier consists of shell, fixing disk, chuck, bush, and boot

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Price Each			
				1	10	25	100
568-NE8MC	NE8MC	I	2 Cable protection elements for cable diameter of up to 5mm or 8mm	**3.79**	**3.39**	**3.09**	**2.89**
568-NE8MC-B	NE8MC-B	I	2 Cable protection elements for cable diameter of up to 5mm or 8mm, Black Shell	**3.28**	**3.02**	**2.72**	**2.34**
568-NE8MC-1	NE8MC-1	J	Boot from X-Series, cable diameters from 3.5 - 8mm	**2.59**	**2.49**	**2.39**	**2.15**
568-NE8MC-1-B	NE8MC-B-1	J	Boot from X-Series, cable diameters from 3.5 - 8mm, Black Shell	**3.25**	**3.15**	**3.01**	**2.94**
568-NE8FF	NE8FF	K	Cable Coupler	**18.10**	**16.35**	**15.05**	**14.05**
568-SE8FD	SE8FD	L	Assembly Kit for D-Series EtherCon® to achieve waterproof IP54 connection	**2.83**	**2.70**	**2.57**	**2.43**

USB / FIREWIRE ADAPTERS

Specifications:

- Reversible USB gender changer type A-B
- Firewire feedthrough with 6-pole receptacle at both ends

- RoHS Compliant per Neutrik documentation
- Built in universally accepted standard D-shape housing
- Ideal for audio networking and integration of digital equipment into audio systems

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Price Each			
				1	10	25	100
568-NAUSB	NAUSB	M	USB A-USB B Adapter (reversible), Nickel housing	**5.75**	**4.85**	**4.75**	**4.54**
568-NAUSB-B	NAUSB-B	M	USB A-USB B Adapter (reversible), Black housing	**6.29**	**5.34**	**5.21**	**4.69**
568-NA1394-6	NA1394-6	N	6-pole Firewire Adapter (IEEE1394), Nickel housing	**8.50**	**7.16**	**7.05**	**6.70**
568-NA1394-6-B	NA1394-6-B	N	6-pole Firewire Adapter (IEEE1394), Black housing	**8.50**	**7.75**	**7.30**	**7.06**

OPTICALCON®

Specifications:

- Temperature Range: -30°C to +80°C
- Rated Voltage: 50V AC
- Push-Pull locking mechanism
- Easy to clean, no tools required
- Flammability: UL94HB

- Rugged connection, metal housing & heavy duty cable retention
- Dust & dirt protected optical connection using automatic sealing covers
- Uses conventional LC-connectors
- Rated Current: 3A
- RoHS Compliant per Neutrik documentation

RoHS Compliant

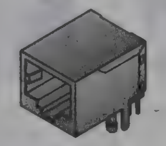
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Neutrik Part No.	Fig.	Description	Price Each		
				1	10	25
568-NO2-4FD	NO2-4FD	O	Chassis - Nickel Plating with 4 solder contacts	**69.50**	**65.85**	**63.95**
568-NO2-4FD-R	NO2-4FD-R	O	Chassis - Ruthenium Plating with 4 solder contacts	**77.59**	**73.60**	**71.42**
566-NO2-4FD-1	NO2-4FD-1	P	Chassis - Nickel Plating with 4 solder contacts and 1 shell ground contact	**72.74**	**69.01**	**66.95**
568-NO2-4FD-1-R	NO2-4FD-1-R	P	Chassis - Ruthenium Plating with 4 solder contacts and 1 shell ground contact	**80.83**	**76.69**	**74.40**

EDAC RJ45, USB and IEEE Telecom Connectors

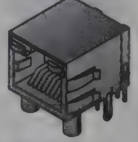
RoHS Compliant **This page of product is compliant.**

A



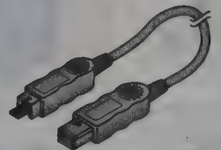
Right Angle Shown

B

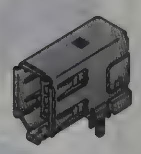


Inverted Shown

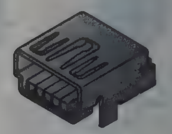
C



D



E



RJ45 MODULAR JACKS

- Meets RJ45 Category 5 Specifications
- FCC Compliance: Part 68 SubPart F
- Conforms to ISDN Standards
- Operating Temperature: -40°C to +80°C
- Insulator Housing: Black Plastic PBT/Nylon, UL94V-0
- Contact Material: Phosphor Bronze
- 30μ" Gold
- Voltage Rating: 120VAC Max.
- RoHS Compliant per EDAC documentation

RoHS Compliant

* Gold Flash

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Rows	No. of Ports Per Row	Shield	Style	Current Rating	Price Each			
								1	25	50	100
587-A00-108-620-450	A00-108-620-450	A	1	1	Unshielded	Vertical	1.5A Max.	1.17	.95	.88	.84
587-A00-108-622-450	A00-108-622-450	A	1	1	Shielded	Vertical	1.5A Max.	1.80	1.40	1.37	1.31
587-A00-108-660-450	A00-108-660-450	A	1	1	Unshielded	Right Angle	1.5A Max.	1.79	1.65	1.49	1.33
587-A00-108-662-450	A00-108-662-450	A	1	1	Shielded	Right Angle	1.5A Max.	1.81	1.58	1.45	1.31
* 587-A00-216-260-450	A00-216-260-450	A	1	2	Unshielded	Right Angle	1.5A Max.	.90	.86	.82	.77
* 587-A00-216-262-450	A00-216-262-450	A	1	2	Shielded	Right Angle	1.5A Max.	1.47	1.40	1.33	1.26
* 587-A00-216-272-450	A00-216-272-450	A	2	1	Shielded	Right Angle	1.5A Max.	3.00	2.86	2.72	2.57
* 587-A00-432-260-450	A00-432-260-450	A	1	4	Unshielded	Right Angle	1.5A Max.	1.64	1.56	1.48	1.40
587-A00-432-662-450	A00-432-662-450	A	1	4	Shielded	Right Angle	1.5A Max.	8.01	7.20	6.45	5.71

RJ45 MODULAR JACKS WITH LEDS

- LEDs are available as either a single color with a matching colored lens, or as a bi-color variant that utilizes a clear lens.
- Bi-color LEDs can be made to change color simply by reversing the voltage.
- UL File Number: E138872
- Insulator Housing: Black Plastic PBT/Nylon, UL94V-0
- Reverse Voltage: 5.0 Volts @ <100mA
- LED Voltage: 2.1 Volts Typ. @ 20mA
- Voltage Rating: 120 VAC Max.
- FCC Compliance: Part 68 SubPart F
- 30μ" Gold
- RoHS Compliant per EDAC documentation

RoHS Compliant

* Gold Flash

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Ports	Left LED Color	Right LED Color	Current Rating	Style	Price Each			
								1	25	50	100
587-A20-108-660-010	A20-108-660-010	B	1	---	---	1.5A Max.	Inverted R/A	2.40	2.30	1.94	1.76
587-A20-108-661-310	A20-108-661-310	B	1	Yellow	Green	1.5A Max.	Right Angle	3.25	2.88	2.69	2.51
587-A20-108-662-310	A20-108-662-310	B	1	Red	Green	1.5A Max.	Right Angle	3.19	2.89	2.36	2.29
587-A20-108-663-310	A20-108-663-310	B	1	Green	Green	1.5A Max.	Right Angle	3.80	3.45	3.01	2.71
587-A20-108-665-510	A20-108-665-510	B	1	Red/Green	Red/Green	1.5A Max.	Right Angle	3.21	2.86	2.72	2.29
*587-A20-216-260-010	A20-216-260-010	B	2	---	---	1.5A Max.	Inverted R/A	3.00	2.86	2.72	2.57
587-A20-216-661-310	A20-216-661-310	B	2	Yellow	Green	1.5A Max.	Right Angle	4.99	4.45	3.84	3.64
*587-A20-216-263-310	A20-216-263-310	B	2	Green	Green	1.5A Max.	Right Angle	3.32	3.16	3.00	2.84
*587-A20-432-263-310	A20-432-263-310	B	4	Green	Green	1.5A Max.	Right Angle	6.32	6.02	5.72	5.42
*587-A20-432-261-310	A20-432-261-310	B	4	Yellow	Green	1.5A Max.	Right Angle	6.30	6.00	5.70	5.40

USB CABLE ASSEMBLY

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	Description	Price Each			
				1	25	50	100
587-628-000-943	628-000-943	C	USB A male to B male Cable Assembly - 1.8 meters	2.65	2.18	2.11	2.00

USB 2.0 CONNECTORS

- Industry standard data transfer devices
- Minimum Mating Cycles: 1500 per EIA 364-09
- Insulator Housing: Thermoplastic, UL94V-0
- Voltage Rating: 30VACrms max.
- Temperature Range: -55°C to +85°C
- 30μ" Gold

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Ports	Type	Contact Orientation	Dual Stack	Contact Style	Current Rating	Price Each			
									1	25	50	100
587-690-004-621-013	690-004-621-013	D	1	A	Horizontal	No	Right Angle	1A Max.	.81	.80	.76	.72
587-690-004-621-023	690-004-621-023	D	1	B	Horizontal	No	Right Angle	1A Max.	.75	.70	.67	.64
587-690-004-660-013	690-004-660-013	D	1	A	Vertical	No	Straight	1A Max.	.70	.65	.60	.56
587-690-004-660-023	690-004-660-023	D	1	B	Vertical	No	Straight	1A Max.	.95	.90	.86	.81
587-690-004-661-013	690-004-661-013	D	1	A	Vertical	No	Right Angle	1A Max.	.90	.86	.82	.77
587-690-008-621-013	690-008-621-013	D	2	A	Horizontal	Yes	Right Angle	1A Max.	1.37	1.30	1.24	1.17

IEEE 1394A CONNECTOR

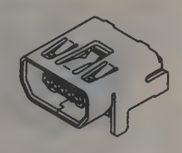
- Industry standard data transfer devices
- Minimum Mating Cycles: 1500 per EIA 364-09
- Insulator Housing: Thermoplastic, UL94V-0
- Voltage Rating: 30VACrms max.
- Temperature Range: -55°C to +85°C
- 30μ" Gold

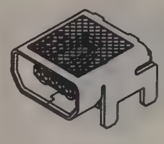
RoHS Compliant

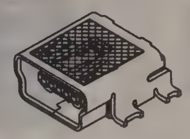
For quantities of 500 and up, call for quote.

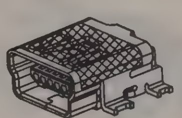
MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Ports	Type	Contact Orientation	Contact Material	Contact Style	Current Rating	Price Each			
									1	25	50	100
587-693-006-620-003	693-006-620-003	E	1	1394a	Horizontal	Copper Alloy	Right Angle	1A Max.	.95	.86	.82	.77

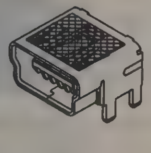
MOLEX USB Connectors and Cable Assemblies

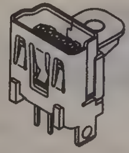
A


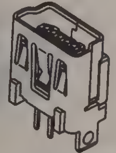
B


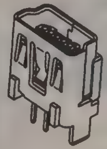
C


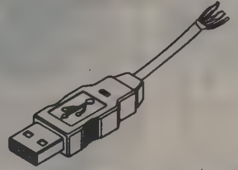
D


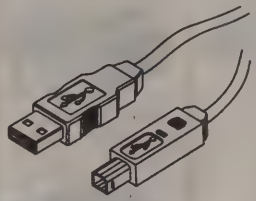
E


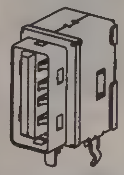
F


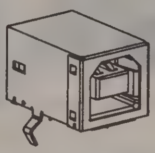
G


H


I


J


K


L


USB ON-THE-GO (OTG) CONNECTORS AND CABLE ASSEMBLIES

Molex's new USB On-The-Go (OTG) connectors and cable assemblies help enable mobile devices such as digital cameras, PDAs, audio players, printers and cellular phones to exchange data directly without the need for a host PC. All Molex OTG connectors are compatible with the On-The-Go supplement (Rev. 1.0) to the USB 2.0 specification. Along with enabling mobile products to communicate with one another, OTG also enables mobile products to become "dual-role" devices, serving as either host or peripheral.

Features:

- Compact size for space savings
- Operates at speeds up to 480Mbps
- Fully shielded for EMI/RFI protection
- 5000 cycles for rugged durability

Specifications:

- Current: 1.0A
- Voltage Rating: 30V
- Operating Temperature: 0°C to +50°C

Mini-AB Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Shell Tabs	Solder Tail	Price Each			
							1	10	25	50
538-56579-0519	56579-0519	A	5	Right-Angle	Through-Hole	Through-Hole	2.67	2.14	1.87	1.69
538-56579-0576	56579-0576	C	5	Right-Angle	SMT	SMT	2.19	1.97	1.75	1.59

Mini-B Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Shell Tabs	Solder Tail	Price Each			
							1	10	25	50
538-54819-0519	54819-0519	A	5	Right-Angle	Through-Hole	Through-Hole	1.71	1.53	1.37	1.24
538-54819-0589	54819-0589	B	5	Right-Angle	Through-Hole	SMT	1.54	1.41	1.32	1.20
538-54819-0572	54819-0572	C	5	Right-Angle	SMT	SMT	1.30	1.17	1.05	.94
538-67503-1020	67503-1020	D	5	Right-Angle (Back Cover)	SMT	SMT	.99	.79	.69	.63
538-51387-0578	51387-0578	E	5	Right-Angle	Through-Hole	SMT	1.45	1.31	1.17	1.05
538-500075-0507	500075-0507	F	5	Vertical (Screw Flange)	Through-Hole	Through-Hole	5.25	4.20	3.68	3.33
538-500075-0517	500075-0517	G	5	Vertical	Through-Hole	Through-Hole	4.05	3.64	3.28	2.98
538-500075-1517	500075-1517	H	5	Vertical	Through-Hole	Through-Hole	4.45	3.98	3.60	3.31

Cable Assemblies

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Type	Description	Price Each			
						1	10	25	50
538-88738-8200	88738-8200	I	4	USB Type A-to-Pigtail	2.08m Length, Sub-Channel	2.92	2.33	2.04	1.85
538-88728-3400	88728-3400	I	4	USB Type A-to-Pigtail	2.08m Length, Full-Rated	4.14	3.32	2.90	2.62
538-88732-9200	88732-9200	J	4	USB Type A-to-B	2.09m Length, Full-Rated	3.12	2.87	2.72	2.50

USB TYPE "A" AND "B" RECEPTACLES

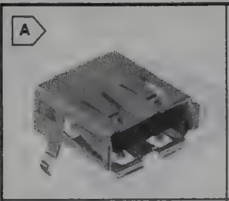
The basic characteristics of all 'A' and 'B' receptacles are: having a metal shell to provide for excellent EMI/RFI protection, PCB hold-downs meet specifications of an electrical rating of 1.0 Amp per contact and are designed to endure at least 1,500 mating cycles.

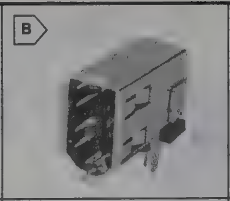
For quantities of 100 and up, call for quote.

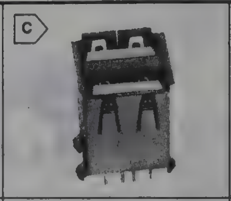
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Type	Description	Price Each			
						1	10	25	50
538-89485-8000	89485-8000	K	4	Type A	Single Upright, Right-Angle, Black, Gold Flash Plating	1.05	.93	.85	.76
538-67068-8000	67068-8000	L	4	Type B	Right-Angle, w/ Kinked Solder Tabs, Black, Gold Flash Plating	.93	.74	.65	.59
538-67068-8001	67068-8001	L	4	Type B	Right-Angle, w/ Kinked Solder Tabs, Black, 30μ" Gold Plating	1.45	1.31	1.17	1.05
538-67068-9000	67068-9000	L	4	Type B	Right-Angle, w/ Kinked Solder Tabs, White, Gold Flash Plating	1.45	1.31	1.17	1.05
538-67068-9001	67068-9001	L	4	Type B	Right-Angle, w/ Kinked Solder Tabs, White, 30μ" Gold Plating	1.77	1.48	1.40	1.32

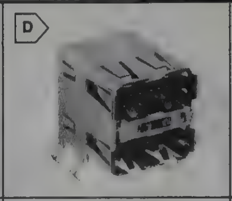
ADAM TECH I/O Connectors

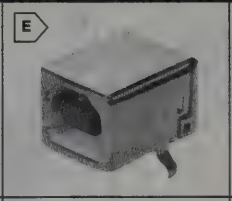
ADAM TECH
Adam Technologies, Inc.

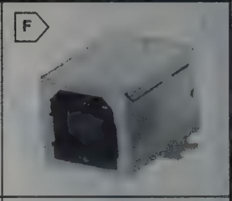

A

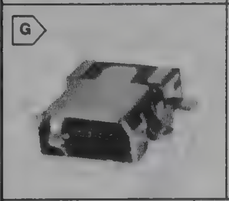

B

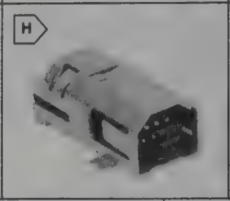

C

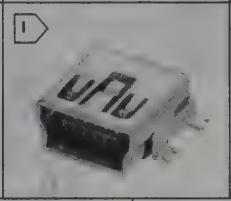

D

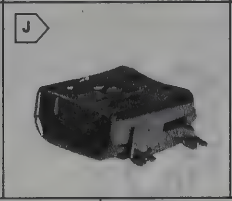

E

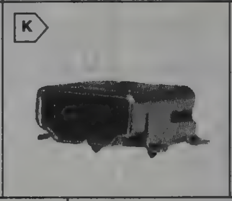

F

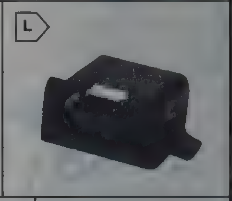

G

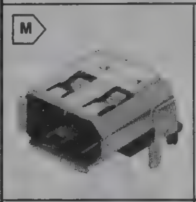

H

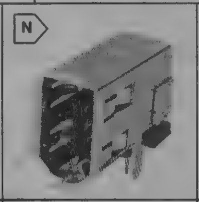

I

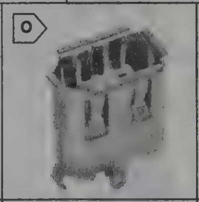

J

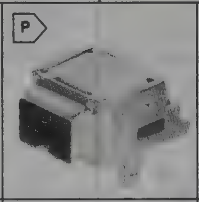

K

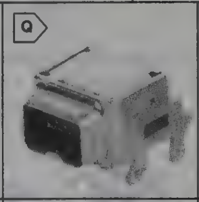

L

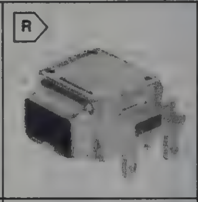

M

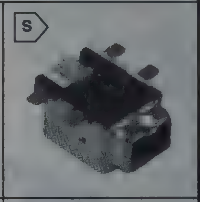

N

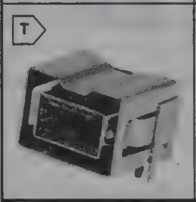

O

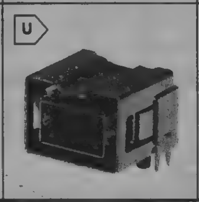

P

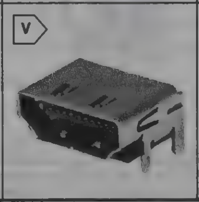

Q

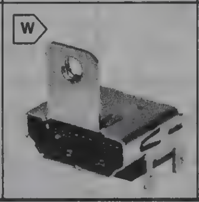

R

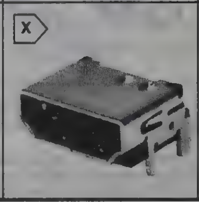

S

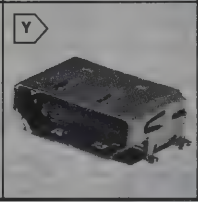

T

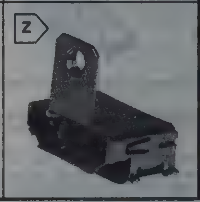

U


V


W


X


Y


Z

I/O CONNECTORS

- Material: Hi-Temp thermoplastic, glass-filled UL94V-0
- Contacts: Phosphor Bronze
- Contact Resistance: 30mΩ Max. initial
- Operating Voltage: 30VAC
- Color: Black
- Current Rating: 1.5 Amps Max.
- Dielectric Withstand Voltage: 500VAC for 1 minute
- Insulation Resistance: 1000MΩ Min.
- Operating Temperature: -25°C to +105°C

RoHS Compliant

USB Type A

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Adam Tech Part No.	Fig.	Mounting Style	Orientation	Price Each		
					1	10	50
737-USB-A-S-RA	USB-A-S-RA	A	Thru Hole	Right Angle	.47	.42	.38
737-USB-A-S-RA-SMT	USB-A-S-RA-SMT	A	Surface Mount	Right Angle	.67	.60	.54
737-USB-A-S-RU	USB-A-S-RU	B	Thru Hole	Right Angle	.73	.65	.59
737-USB-A-D-VT	USB-A-D-VT	C	Thru Hole	Vertical	.60	.54	.49
737-USB-A-D-RA	USB-A-D-RA	D	Thru Hole Dual Port	Right Angle	.60	.54	.49

USB Type B

For quantities of 100 and up, call for quote.

737-USB-B-S-RA	USB-B-S-RA	E	Thru Hole	Right Angle	.51	.46	.41
737-USB-B-S-RA-SMT	USB-B-S-RA-SMT	F	Surface Mount	Right Angle	1.00	.90	.81

Mini USB

For quantities of 100 and up, call for quote.

737-MUSB-AB-S-RA-SMT	MUSB-AB-S-RA-SMT	G	Surface Mount	Right Angle	1.22	1.10	.99
737-MUSB-B4-S-RA-SMT	MUSB-B4-S-RA-SMT	H	Surface Mount	Right Angle	1.22	1.10	.99
737-MUSB-B5-S-RA-SMT	MUSB-B5-S-RA-SMT	I	Surface Mount	Right Angle	1.22	1.10	.99
737-MUSB-AB1-SRA-SMT	MUSB-AB1-S-RA-SMT	J	Surface Mount	Right Angle	1.22	1.10	.99
737-MUSB-A-S-RA-SMT	MUSB-A-S-RA-SMT	K	Surface Mount	Right Angle	1.22	1.10	.99
737-MUSB-A4SRASMT-MK	MUSB-A4-S-RA-SMT-MK	L	Surface Mount w/Middle Key	Right Angle	1.22	1.10	.99

IEEE 1394 Firewire

For quantities of 100 and up, call for quote.

737-FWC-C-S-RA	FWC-C-S-RA	M	Thru Hole	Right Angle	1.00	.90	.81
737-FWC-C-S-RA-SMT	FWC-C-S-RA-SMT	M	Surface Mount	Right Angle	.99	.89	.80
737-FWC-C-S-RU	FWC-C-S-RU	N	Thru Hole	Right Angle	.99	.89	.80
737-FWC-C-S-VT	FWC-C-S-VT	O	Thru Hole	Vertical	1.48	1.33	1.20

Mini IEEE 1394 Firewire

For quantities of 100 and up, call for quote.

737-MFW-C-S-RA-1	MFW-C-S-RA-1	P	Thru Hole	Right Angle	1.48	1.33	1.20
737-MFW-C-S-RA-SMT	MFW-C-S-RA-SMT	Q	Surface Mount	Right Angle	1.48	1.33	1.20
737-MFW-C-S-RA-2	MFW-C-S-RA-2	R	Thru Hole	Right Angle	1.48	1.33	1.20
737-MFW-C-S-RA-TSMT	MFW-C-S-RA-TSMT	S	True Surface Mount	Right Angle	1.48	1.33	1.20

Mini IEEE 1394 Firewire-Bilingual

For quantities of 100 and up, call for quote.

737-MFW-D-S-RA-SMT-1	MFW-D-S-RA-SMT-1	T	Surface Mount	Right Angle	1.48	1.33	1.20
737-MFW-D-S-RA-SMT-2	MFW-D-S-RA-SMT-2	U	Surface Mount	Right Angle	1.48	1.33	1.20
737-MFW-DSRASMT-2A	MFW-D-S-RA-SMT-2A	U	Surface Mount	Right Angle	1.48	1.33	1.20

HDMI Receptacles

For quantities of 100 and up, call for quote.

737-HDMI-S-RA-1	HDMI-S-RA-1	V	Thru Hole	Right Angle	1.65	1.48	1.33
737-HDMI-S-RA-MF	HDMI-S-RA-MF	W	Thru Hole w/Mounting Flange	Right Angle	1.78	1.60	1.44
737-HDMI-S-RA-SMT	HDMI-S-RA-SMT	X	Surface Mount	Right Angle	2.47	2.22	2.00
737-HDMI-S-RA-SMT-MF	HDMI-S-RA-SMT-MF	W	Surface Mount w/Mounting Flange	Right Angle	2.58	2.32	2.09
737-HDMI-S-RA-TSMT	HDMI-S-RA-TSMT	Y	True Surface Mount	Right Angle	2.58	2.32	2.09
737-HDMI-SRA-TSMT-MF	HDMI-S-RA-TSMT-MF	Z	True Surface Mount w/Mounting Flange	Right Angle	2.72	2.44	2.20

AMPHENOL Harsh Environment Ethernet Connectors

Amphenol®

PULSE NET®

Ethernet is currently the industry's network protocol of choice. Harsh environment Ethernet leverages existing Ethernet data communication standards while providing the required mechanical and environmental protection to secure critical data transmission and collection from exposure to dust, noise, vibration, temperature extremes, chemical exposure, weather, debris, wash-downs and moisture.

Features:
- Push & click, Pulse Lok® quick mating action
- Positive confirmation of engagement
- Industry standard components and termination tools
- Multiple termination options
- Environmentally sealed to IP-67
- No accidental disconnects
- Resistant to chemical exposure
- Ideal for medical environments

Specifications:
- Operating current at 25C: 1.5 Amps
- Operating voltage: 150 VAC
- Housing size: 1.300"
- Cable diameter range: .160"-.310"
- For Cat 5e - customer supplies RJ45 Plug

Receptacles Rear Mount-Cat 5e

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
523-360001	360001	A	110 Punchdown Right Angle	21.00	18.90
523-360005	360005	A	110 Punchdown Straight	21.00	18.90
523-360011	360011	A	In-Line Coupler Straight	21.00	18.90
523-360015	360015	A	Panel Mount, Jack not included	15.49	13.94
523-360017	360017	A	PCB Mount Straight	21.44	19.30

Receptacles Front Mount-Cat 5e

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
523-360025	360025	B	110 Punchdown Right Angle	21.00	18.90
523-360029	360029	B	110 Punchdown Straight	21.00	18.90
523-360035	360035	B	In-Line Coupler Straight	21.00	18.90
523-360039	360039	B	Panel Mount, Jack not included	15.49	13.94
523-360041	360041	B	Panel Mount, no tool required	21.00	18.90

Plugs Non-Shielded-Cat 5e

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
523-361001	361001	C	Stranded wire, Dome strain relief	17.13	15.42
523-361002	361002	C	Solid wire, Dome strain relief	17.13	15.42
523-361005	361005	D	Stranded wire, Flex strain relief	17.13	15.42
523-361006	361006	D	Solid wire, Flex strain relief	17.13	15.42

Plugs Shielded-Cat 5e

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
523-361013	361013	C	Solid wire, Dome strain relief	16.92	15.38
523-361017	361017	D	Solid wire, Flex strain relief	16.92	15.38

Plugs Non-Shielded

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
523-361009	361009	C	Dome SR, wire not included	14.60	13.27
523-361011	361011	D	Flex SR, wire not included	14.60	13.27

Plugs Shielded

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
523-361021	361021	C	Dome Strain Relief, wire not included	16.08	14.62
523-361023	361023	D	Flex Strain Relief, wire not included	16.08	14.62

Accessories

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
523-107832-01	107832-01	E	Front mount sealing cover; Receptacle Black	9.73	8.76
523-107304-01	107304-01	F	Plug sealing cap; Plug Black	9.73	8.76

PULSE PLUS™

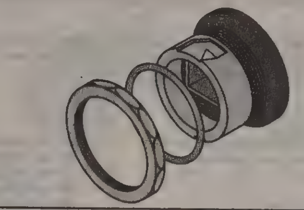
Repeated matings and unmatings can be performed rapidly and consistently with the unique coupler system. In a fractin of the time it takes to mate one traditional m12 threaded connector, you can mate and un-mate several Pulse Plus™ connectors.

Features:
- Pulse Lok® quick mating action
- Positive confirmation of engagement
- Backward compatibility to threaded M12 D-Coded plugs or Pulse Plus® plugs.
- ODVA Ethernet/IP 4-pin compatible
- Environmentally sealed to IP-65/IP-67
- IEC 61076-2-101 D-coded Industrial
- Ethernet approved by IAONA, ODVA & PNO
- Ideal for medical environments
- TIA/EIA: Cat 5e

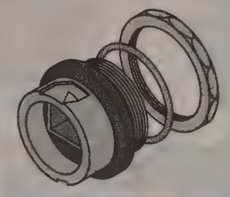
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
Plug Kit					
523-370000	370000	G	Housing, O-Ring, backshell, insert, terminator, insulator	27.31	24.58
Receptacle Kit					
523-375000	375000	H	Threaded; housing, hex nut, O-ring and jack	17.56	15.80

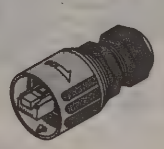
A



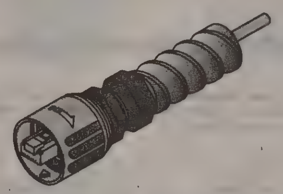
B



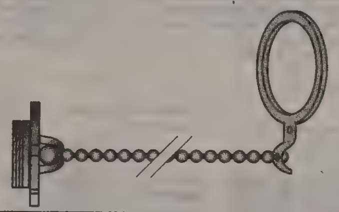
C



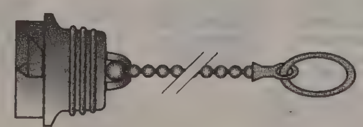
D



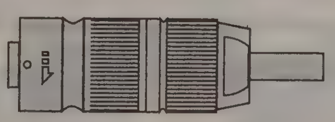
E



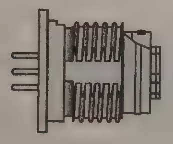
F



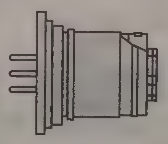
G



H



I



AMPHENOL Harsh Environment Connectors

MUSB SERIES: HARSH ENVIRONMENT USB CONNECTORS

Amphenol's MUSB series represents a unique and innovative USB connector design. This design provides the ideal solution for data transfer in harsh or demanding environments against physical and environmental conditions. These connectors are underwater submersible rather than just water resistant in both mated and unmated conditions. They are absolutely unshaken by hostile environmental elements.

Features:

- IP67 sealed in mated and unmated conditions
- Meets military shock and vibration levels
- Shell: Metal die cast
- Finish: Nickel
- Housing: UL94V-0 Black
- Rear shielded
- Contact Plating: 30" Gold
- Number of Contacts: 4 per port
- Current Rating: 1.5 Amps
- Voltage Rating: 100 VDC @ -25°C to +85°C
- Dielectric Withstanding Voltage: 500VAC, RMS, 60Hz 1 minute
- Operating Temperature: -40°C to +105°C

Applications:

- Industrial
- Military Communications
- Marine
- Mobile Communication
- Automotive

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	50
523-MUSB-A111-30	MUSB-A111-30	A	USB PCB receptacle, right angle, type A, single	8.40	7.50	6.95	6.45
523-MUSB-A211-30	MUSB-A211-30	B	USB Receptacle, type A, single with cable header	18.37	16.70	15.03	13.36
523-MUSB-A311-30	MUSB-A311-30	C	USB receptacle, R/A, type A, single, on PCB w/USB termination	16.02	14.50	13.56	12.58
523-MUSB-A511-00	MUSB-A511-30	D	USB, single, vertical, PCB Mount	6.50	6.05	5.53	5.09
523-MUSB-C111-30	MUSB-C111-30	D	USB PCB receptacle, right angle, type A, double stacked	6.67	6.04	5.52	5.08
523-MUSB-C211-30	MUSB-C211-30	E	USB receptacle, R/A, type A, double, on PCB w/cable header	17.05	15.63	14.26	13.33
523-MUSB-C311-30	MUSB-C311-30	E	USB receptacle, R/A, type A, double, on PCB w/USB termination	16.82	15.41	14.23	13.12

MRJ SERIES: HARSH ENVIRONMENT MODULAR JACK CONNECTORS

Amphenol's MRJ series represents a unique and innovative RJ connector design. This design provides the ideal solution for network data transfer in harsh and demanding environmental conditions. These connectors are underwater submersible rather than just water resistant in both mated and unmated conditions. They are absolutely unshaken by hostile environmental elements.

Features:

- Cat 5 ethernet performance
- IP67 sealed in mated and unmated conditions
- Meets military shock and vibration levels
- Available with optional integrated LEDs
- Shell: Metal die cast
- Will not allow RJ11 to enter
- Finish: Nickel
- Housing: UL94V-0 Black
- Contact Plating: 30" Gold
- Number of Contacts: 8
- Contact tail length: .100"
- Current Rating: 1.5 Amps
- Voltage Rating: 100 VDC @ -25°C to +85°C
- Dielectric Withstanding Voltage: 500VAC, RMS, 60Hz 1 minute
- Operating Temperature: -40°C to +105°C

Applications:

- Industrial
- Military Communications
- Marine
- Mobile Communication
- Automotive

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	50
523-MRJ-5380-01	MRJ-5380-01	F	RJ45 PCB receptacle, right angle, no LEDs	7.50	7.15	6.62	6.12
523-MRJ-5381-01	MRJ-5381-01	F	RJ45 PCB receptacle, right angle, Yellow/Green LEDs	7.96	7.23	6.63	6.12
523-MRJ-5385-01	MRJ-5385-01	F	RJ45 PCB receptacle, right angle, Green/Green LEDs	7.32	6.80	6.31	5.85
523-MRJ-5580-01	MRJ-5580-01	G	RJ45 PCB receptacle, R/A, with cable header, no LEDs	19.44	17.46	15.75	14.17
523-MRJ-5780-01	MRJ-5780-01	H	RJ45 PCB receptacle, R/A, w/RJ45 termination, no LEDs	13.70	12.75	11.65	10.82

MDB SERIES: ENVIRONMENTALLY SEALED D-SUB CONNECTORS

The MDB series offers cost efficient environmentally sealed D-Subminiature connectors with screw machine contacts and high performance thermoplastic or metal die cast shells.

Features:

- IP67 sealed in mated and unmated conditions
- Number of Contacts: 9
- Contact Plating: 30" Gold
- Gasket: Silicone rubber
- Insulator/Shell: UL94V-0
- Current Rating: 5 Amps
- Voltage Rating: 200 VDC, 125 VAC
- Dielectric Withstanding Voltage: 500 VDC @25°C & 50 mA max
- Operating temperature: -40°C to +105°C

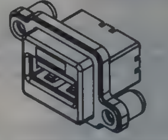
Applications:

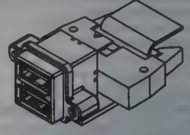
- Industrial
- Military Communications
- Marine
- Automotive

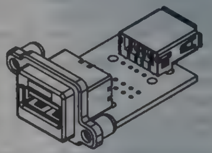
RoHS Compliant

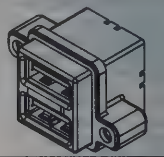
For quantities of 100 and up, call for quote.

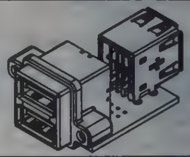
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	50
523-MDB-E09SA-700	MDB-E09SA-700	I	D-SUB PCB female, right angle, thermoplastic shell	10.45	9.80	9.17	8.46
523-MDB-E09SA-760	MDB-E09SA-760	J	D-SUB PCB female, vertical, front mount, metal die cast shell	12.65	10.21	10.00	9.69
523-MDB-E09PA-760	MDB-E09PA-760	K	D-SUB PCB male, vertical, front mount, metal die cast shell	12.00	11.48	10.51	9.69

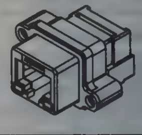
A


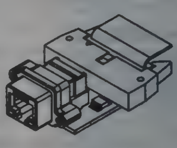
B


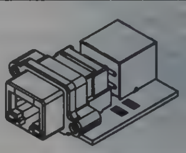
C


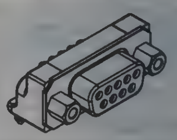
D


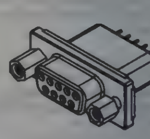
E


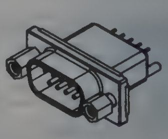
F


G


H


I


J


K


AMPHENOL® Rugged RJ11 and RJ45 Connectors Amphenol®

RJ11 FIELD CONNECTION SYSTEM

RJ11 Field allows you to use a standard phone RJ11 connection in harsh environments

- Transversely potted and sealed without cap
- Vibe and Shock Proof
- Aluminum Bayonet Shell
- Accomodates a standard RJ11 cordset

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
Plugs					
523-RJ11F6N	RJ11F6N	A	Plastic Gland, Nickel	59.95	57.68
Receptacles					
523-RJ11F21N	RJ11F21N	B	Panel Mount, RJ11 to RJ11, Nickel	62.70	60.38
523-RJ11F22N	RJ11F22N	C	Panel Mount, RJ11 to PC Board, Nickel	59.82	57.55
523-RJ11F71N	RJ11F71N	D	Jam Nut, RJ11 to RJ11, Nickel	86.63	83.34
523-RJ11F72N	RJ11F72N	E	Jam Nut, RJ11 to PC Board, Nickel	83.03	79.88
RJ11 Field Accessories					
523-RJ11FC6N	RJ11FC6N	-	Cap for Plug, Nickel	45.35	43.40
523-RJ11FC2N	RJ11FC2N	-	Cap for Receptacle, Nickel	45.11	42.77
523-RJ11FC7N	RJ11FC7N	-	Cap for Jam Nut Receptacle, Nickel	56.56	54.41
523-RJ11FODE	RJ11FODE	-	Insert Removal Device	45.16	43.45
523-JE14	JE14	-	Gasket for Panel Mount Receptacle	1.75	1.66

RJ FIELD TRANSVERSELY AND ENVIRONMENTALLY SEALED RECEPTACLES

- Transversely potted and sealed without cap
- Features the same main characteristics as the RJ Field and RJ Field TV series

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	RoHS Compliant	Price Each	
					1	5
RJ Field Receptacles - A Coding						
523-RJF2SA1B	RJF2SA1B	F	Panel Mount, RJ45, Black	Yes	49.32	42.52
523-RJF2SA1N	RJF2SA1N	F	Panel Mount, RJ45, Nickel	Yes	48.28	44.95
523-RJF2SA1G	RJF2SA1G	F	Panel Mount, RJ45, Green Cadmium	No	48.36	46.68
523-RJF7SA1B	RJF7SA1B	G	Jam Nut, RJ45, Black	Yes	69.16	59.62
523-RJF7SA1N	RJF7SA1N	G	Jam Nut, RJ45, Nickel	Yes	68.00	58.62
523-RJF7SA1G	RJF7SA1G	G	Jam Nut, RJ45, Green Cadmium	No	59.97	57.91
RJ Field TV Receptacles -A Coding						
523-RJFTV2SA1N	RJFTV2SA1N	H	Panel Mount, RJ45, Nickel	Yes	61.21	54.87
523-RJFTV2SA1G	RJFTV2SA1G	H	Panel Mount, RJ45, Green Cadmium	No	61.47	55.64
523-RJFTV7SA1N	RJFTV7SA1N	I	Jam Nut, RJ45, Nickel	Yes	78.13	70.05
523-RJFTV7SA1G	RJFTV7SA1G	I	Jam Nut, RJ45, Green Cadmium	No	82.24	70.89

RJ FIELD REVERSE BAYONET CONNECTION SYSTEM

RJ Field allows you to use an Ethernet Class D / Cat. 5e and Class E Cat 6 connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

- Transversely potted and sealed without cap
- Vibe and Shock Proof
- Cost effective composite shell
- Accomodates a standard RJ45 cordset

NEW FROM SUPPLIER

RoHS Compliant

For quantities of 25 and up, call for quote.

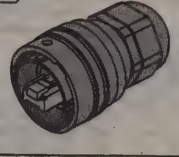
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	5	10
Cat 5e						
523-RJFRB6	RJFRB6	J	Plug, Plastic Gland, Black	10.97	9.97	9.20
523-RJFRB71	RJFRB71	K	Jam Nut Receptacle, RJ45, Black	15.22	13.91	13.40
523-RJFRB7203100BTX	RJFRB7203100BTX	K	Jam Nut, with 11.81 in. (0.3 m) RJ45 cordset, Black	36.81	33.64	30.02
523-RJFRB7205100BTX	RJFRB7205100BTX	K	Jam Nut, with 19.68 in. (0.5 m) RJ45 cordset, Black	39.60	36.19	32.29
523-RJFRB7210100BTX	RJFRB7210100BTX	K	Jam Nut, with 39.37 in. (1.0 m) RJ45 cordset, Black	74.13	67.74	60.45
523-RJFRB7215100BTX	RJFRB7215100BTX	K	Jam Nut, with 59.05 in. (1.5 m) RJ45 cordset, Black	82.36	75.26	67.15
523-RJFRB75	RJFRB75	-	Jam Nut, with straight PC Tails, Black	36.82	33.47	30.68
523-RJFRB71RA	RJFRB71RA	L	Jam Nut Receptacle, Right Angle RJ45, Black	18.92	16.97	15.62
523-RJFRBC7	RJFRBC7	M	Cap for Jam Nut Receptacle - RJFRB71/RJFB71RA	6.40	5.85	5.65
523-RJFRBC75	RJFRBC75	-	Cap for Jam Nut Receptacle - RJFRB75	6.70	6.25	5.60
Cat 6						
523-RJFRB73U	RJFRB73U	N	Jam Nut RJ45 to IDC Unshielded	50.46	45.87	42.05
523-RJFRB73F	RJFRB73F	N	Jam Nut RJ45 to IDC Partial shield	53.12	48.29	44.27
523-RJFRB73S	RJFRB73S	O	Jam Nut RJ45 to IDC Shielded	63.14	57.40	52.62

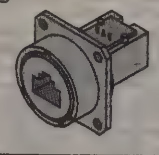
RJF EZ ETHERNET CONNECTION SYSTEM

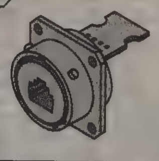
- IP67, Sealed against fluids and dusts
- Shock, Vibration, and Traction resistant
- No Tools required
- Can use a standard RJ45 cordset
- Quick Lever coupling, rectangular connector
- RJ Field allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

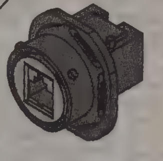
For quantities of 25 and up, call for quote.

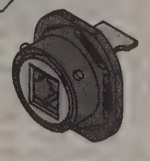
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	5	10
Plugs						
523-RJFEZ6	RJFEZ6	P	Rectangular, Plastic, Black	8.39	7.95	7.69
Receptacles						
523-RJFEZ21	RJFEZ21	Q	Rectangular Plastic Panel Mount, RJ45, Black	17.64	16.12	15.58
523-RJFEZ2203100BTX	RJFEZ2203100BTX	R	Panel Mount with RJ45 cordset, 0.3M, Black	28.84	26.35	25.47
523-RJFEZ2205100BTX	RJFEZ2205100BTX	R	Panel Mount with RJ45 cordset, 0.5M, Black	28.13	26.67	25.78
RJF EZ Accessories						
523-RJFEZBE	RJFEZBE	-	Rectangular Plastic Cap for Receptacle	6.83	6.48	6.27
523-RJFEZJE	RJFEZJE	-	Gasket for Panel Mount Receptacle	.66	.63	.60

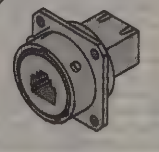
A


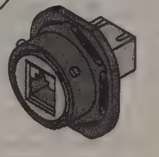
B


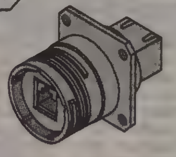
C


D


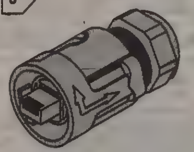
E


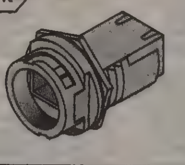
F


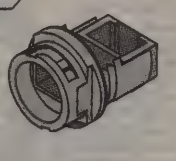
G


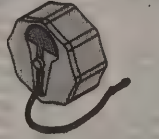
H


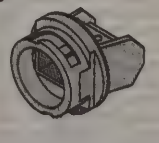
I

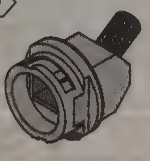
J


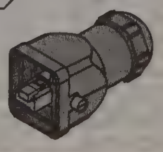
K


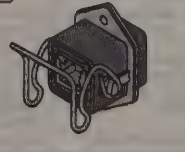
L


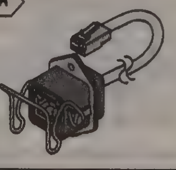
M


N


O


P


Q


R


RJ FIELD ETHERNET BAYONET CONNECTION SYSTEM

RJ Field allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

- IP67, Sealed against fluids and dusts
- Shock, Vibration, and Traction resistant
- No Tools required
- Mechanical Coding/Polarization (4 positions)
- Bayonet coupling mechanism (MIL-C-26482 type) Audible & Visual coupling signal
- Accommodates a standard RJ45 cordset

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	RoHS	Description	Price Each		
					1	5	10
Plugs							
523-RJF6B	RJF6B	A	Yes	Plug, Metal Circular Shell, Plastic Gland, Black	26.93	26.00	25.13
523-RJF6N	RJF6N	A	Yes	Plug, Metal Circular Shell, Plastic Gland, Nickel	28.93	27.94	27.00
523-RJF6G	RJF6G	A	No	Plug, Metal Circular Shell, Green Cadmium	29.66	28.64	27.68
523-RJF6MB	RJF6MB	B	Yes	Plug, Metal Circular Shell, Black, Metal Gland	36.68	34.68	33.52
523-RJF6MN	RJF6MN	B	Yes	Plug, Metal Circular Shell, Nickel, Metal Gland	36.01	34.76	33.61
523-RJF6MG	RJF6MG	B	No	Plug, Metal Circular Shell, Green Cadmium, Metal Gland	36.69	35.42	34.24
Receptacles							
523-RJF21B	RJF21B	C	Yes	Panel Mount Recpt., RJ45, Black	29.02	27.46	26.54
523-RJF21N	RJF21N	C	Yes	Panel Mount Recpt., RJ45, Nickel	32.93	31.71	30.66
523-RJF21G	RJF21G	C	No	Panel Mount Recpt., RJ45, Green Cadmium	32.38	29.59	27.24
523-RJF2PE1B	RJF2PE1B	-	Yes	Panel Mount Recpt., RJ45, Backshell Plastic Gland, Black	43.27	41.78	40.39
523-RJF2PE1N	RJF2PE1N	-	Yes	Panel Mount Recpt., RJ45, Backshell Plastic Gland, Nickel	50.86	49.11	47.47
523-RJF2PE1G	RJF2PE1G	-	No	Panel Mount Recpt., RJ45, Backshell Plastic Gland, Green Cadmium	46.56	44.95	43.46
523-RJF2PEM1B	RJF2PEM1B	D	Yes	Panel Mount Recpt., RJ45, Backshell Metal Gland, Black	54.29	52.42	50.67
523-RJF2PEM1N	RJF2PEM1N	D	Yes	Panel Mount Recpt., RJ45, Backshell Metal Gland, Nickel	51.36	49.59	47.93
523-RJF2PEM1G	RJF2PEM1G	D	No	Panel Mount Recpt., RJ45, Backshell Metal Gland, Green Cadmium	53.70	51.84	50.12
523-RJF22B00	RJF22B00	E	Yes	Panel Mount Recpt., PCB, Black	23.52	22.26	21.52
523-RJF22N00	RJF22N00	E	Yes	Panel Mount Recpt., PCB, Nickel	27.07	26.13	25.26
523-RJF22G00	RJF22G00	E	No	Panel Mount Recpt., PCB, Green Cadmium	28.72	27.73	26.81
523-RJF71B	RJF71B	F	Yes	Jam Nut Recpt., RJ45, Black	41.98	38.49	35.56
523-RJF71N	RJF71N	F	Yes	Jam Nut Recpt., RJ45, Nickel	47.07	45.44	43.93
523-RJF71G	RJF71G	F	No	Jam Nut Recpt., RJ45, Green Cadmium	49.63	46.21	44.67
523-RJF7PE1B	RJF7PE1B	G	Yes	Jam Nut Recpt., RJ45, Backshell Plastic Gland, Black	55.54	53.63	51.84
523-RJF7PEM1B	RJF7PEM1B	-	Yes	Jam Nut Recpt., RJ45, Backshell Metal Gland, Black	64.82	62.59	60.50
523-RJF7PEM1N	RJF7PEM1N	-	Yes	Jam Nut Recpt., RJ45, Backshell Metal Gland, Nickel	65.21	62.96	60.86
523-RJF7PEM1G	RJF7PEM1G	-	No	Jam Nut Recpt., RJ45, Backshell Metal Gland, Green Cadmium	67.94	65.60	63.41
523-RJF72B00	RJF72B00	H	Yes	Jam Nut Recpt., PCB, Black	38.56	37.23	35.99
523-RJF72G00	RJF72G00	H	No	Jam Nut Recpt., PCB, Green Cadmium	44.23	42.71	41.28
RJ Field Accessories							
523-RJFC6B	RJFC6B	-	Yes	Cap for Plug, Black	25.37	24.50	23.68
523-RJFC6N	RJFC6N	-	Yes	Cap for Plug, Nickel	26.54	25.63	24.77
523-RJFC6G	RJFC6G	-	No	Cap for Plug, Green Cadmium	27.34	26.40	25.52
523-RJFC2B	RJFC2B	-	Yes	Cap for Panel Mount Recpt., Black	23.91	22.62	21.87
523-RJFC2N	RJFC2N	-	Yes	Cap for Panel Mount Recpt., Nickel	25.20	23.86	23.07
523-RJFC2G	RJFC2G	-	No	Cap for Panel Mount Recpt., Green Cadmium	24.60	23.70	21.73
523-RJFC7B	RJFC7B	-	Yes	Cap for Jam Nut Recpt., Black	29.82	28.79	27.83
523-RJFC7N	RJFC7N	-	Yes	Cap for Jam Nut Recpt., Nickel	31.09	30.02	29.02
523-RJFC7G	RJFC7G	-	No	Cap for Jam Nut Recpt., Green Cadmium	31.96	30.85	29.82
523-JE18	JE18	-	Yes	Gasket for Panel Mount Recpt.	1.83	1.66	1.60

RJ FIELD TV THREADED ETHERNET CONNECTION SYSTEM

RJ Field allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

- IP67, Sealed against fluids and dusts
- No tools required
- Tri-Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device
- Self coding/clocking polarization in 4 positions (A,B,C,D)

For quantities of 25 and up, call for quote.

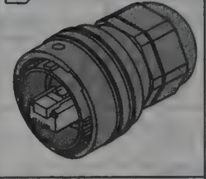
MOUSER STOCK NO.	Amphenol Part No.	Fig.	RoHS	Description	Price Each		
					1	5	10
Plugs							
523-RJFTV6N	RJFTV6N	I	Yes	Plug, Plastic Gland, Nickel	41.67	40.23	38.89
523-RJFTV6G	RJFTV6G	I	No	Plug, Plastic Gland, Green Cadmium	43.77	42.26	40.86
523-RJFTV6MN	RJFTV6MN	-	Yes	Plug, Metal Gland, Nickel	47.64	46.00	44.47
523-RJFTV6MG	RJFTV6MG	-	No	Plug, Metal Gland, Green Cadmium	45.15	41.50	38.00
Receptacles							
523-RJFTV21N	RJFTV21N	J	Yes	Panel Mount Recpt., RJ45, Nickel	41.97	40.80	37.35
523-RJFTV21G	RJFTV21G	J	No	Panel Mount Recpt., RJ45, Green Cadmium	41.53	40.09	38.76
523-RJFTV22N00	RJFTV22N00	K	Yes	Panel Mount Recpt., PCB, Nickel	33.78	32.04	30.97
523-RJFTV22G00	RJFTV22G00	K	No	Panel Mount Recpt., PCB, Green Cadmium	37.75	33.18	32.08
523-RJFTV2PE1N	RJFTV2PE1N	L	Yes	Panel Mount Recpt., RJ45, Backshell Plastic Gland, Nickel	57.73	55.74	53.88
523-RJFTV2PE1G	RJFTV2PE1G	L	No	Panel Mount Recpt., RJ45, Backshell Plastic Gland, Green Cadmium	58.53	56.51	54.63
523-RJFTV2PEM1N	RJFTV2PEM1N	L	Yes	Panel Mount Recpt., RJ45, Backshell Metal Gland, Nickel	63.65	61.46	59.41
523-RJFTV2PEM1G	RJFTV2PEM1G	L	Yes	Panel Mount Recpt., RJ45, Backshell Plastic Gland, Green Cadmium	64.45	62.23	60.16
523-RJFTV71N	RJFTV71N	M	Yes	Jam Nut Recpt., RJ45, Nickel	50.38	48.64	47.02
523-RJFTV71G	RJFTV71G	M	No	Jam Nut Recpt., RJ45, Green Cadmium	57.38	54.41	52.59
523-RJFTV72N00	RJFTV72N00	N	Yes	Jam Nut Recpt., PCB, Nickel	43.16	40.93	39.57
523-RJFTV72G00	RJFTV72G00	N	No	Jam Nut Recpt., PCB, Green Cadmium	48.80	41.73	40.34
523-RJFTV7PE1N	RJFTV7PE1N	-	Yes	Jam Nut Recpt., RJ45, Backshell Plastic Gland, Nickel	67.10	64.21	62.07
523-RJFTV7PE1G	RJFTV7PE1G	-	No	Jam Nut Recpt., RJ45, Backshell Plastic Gland, Green Cadmium	67.31	64.98	62.82
523-RJFTV7PEM1N	RJFTV7PEM1N	O	Yes	Jam Nut Recpt., RJ45, Backshell Metal Gland, Nickel	72.43	69.94	67.60
523-RJFTV7PEM1G	RJFTV7PEM1G	O	No	Jam Nut Recpt., RJ45, Backshell Metal Gland, Green Cadmium	74.17	71.62	69.23
RJ Field TV Accessories							
523-RJFTVC6N	RJFTVC6N	-	Yes	Cap for Plug, Nickel	34.00	32.83	31.74
523-RJFTVC6G	RJFTVC6G	-	No	Cap for Plug, Green Cadmium	34.73	33.53	32.41
523-RJFTVC2N	RJFTVC2N	-	Yes	Cap for Panel Mount Recpt., Nickel	31.55	28.80	27.80
523-RJFTVC2G	RJFTVC2G	-	No	Cap for Panel Mount Recpt., Green Cadmium	32.90	30.20	28.48
523-RJFTVC7N	RJFTVC7N	-	Yes	Cap for Jam Nut Recpt., Nickel	36.83	35.56	34.38
523-RJFTVC7G	RJFTVC7G	-	No	Cap for Jam Nut Recpt., Green Cadmium	37.56	36.26	35.05
523-JE19	JE19	-	Yes	Gasket for Panel Mount Recpt.	2.54	2.27	2.19
360° EMI Shielded Kits							
523-KIT38081	KIT38081	-	No	Plug with Band, Shell, Backshell, RJ Stops & Sleeve	94.12	90.87	87.84
523-KIT38082	KIT38082	-	No	Recpt. with Band, Shell, Sleeve, Backshell & Gasket	90.21	87.10	84.19

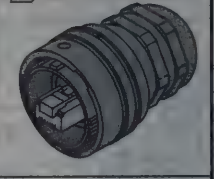
RJ SWITCH ETHERNET SWITCH

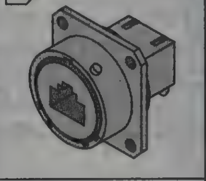
- IP30 Iridized Aluminum Enclosure
- Din-Rail or Panel Mount
- Ultra reliable 1,000,000 hours MTBF
- Auto-detecting, auto-crossover, and auto polarity
- Operating Temperature: -40°C to+85°C
- Redundant power inputs with surge/spike protection

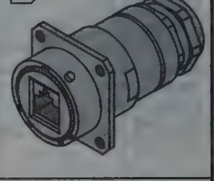
For quantities of 5 and up, call for quote.

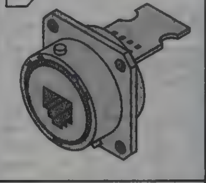
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each
523-RJS5MS1	RJS5MS1	P	Managed Ethernet Switch, 5 RJ45 Ports, IP30, Hi-Temp, - pre-set for 1 ring configured on last 2 ports	840.00
523-RJSPC5RS1CAPS	RJSPC5RS1CAPS	-	Ring Switch, 5 Ports, Caps attached on power and data recpt., Industrial protection	1214.00

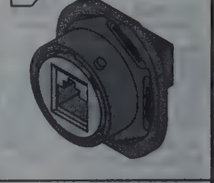
A


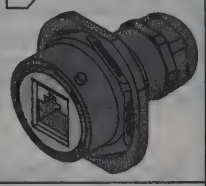
B


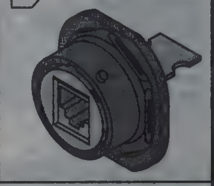
C


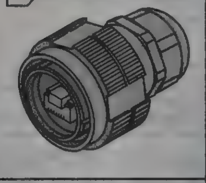
D


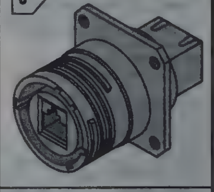
E


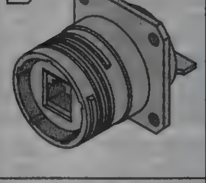
F


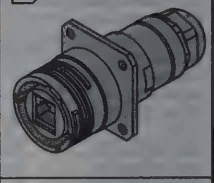
G


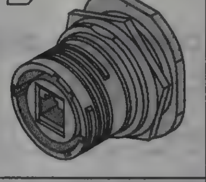
H


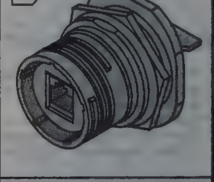
I


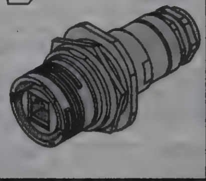
J


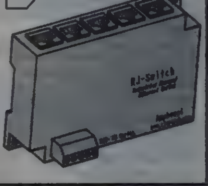
K


L


M


N


O


P


Rugged Ethernet, Firewire & USB Connection Systems Amphenol®

RJF544 ETHERNET CONNECTION SYSTEM

RJ Field allows you to use an Ethernet Class D / Cat. 5e connection for 10 BaseT, 100 BaseTX or 1000 BaseT networks in harsh environments.

- IP67, Sealed against fluids and dusts
- Shock, vibration, and traction resistant
- Improved EMI protection
- Accomodates a standard RJ45 cordset
- Quick Push-Pull coupling
- No tools required

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	5	10
Plugs						
523-RJF5446	RJF5446	A	Circular Plastic, Black	12.16	11.74	11.35
Receptacles						
523-RJF54421	RJF54421	B	Panel Mount, Circular Plastic, Black	15.81	15.27	14.76
523-RJF5442M1	RJF5442M1	B	Panel Mount, Circular Metalized Plastic	18.58	17.94	17.34
RJF 554 Accessories						
523-54402BM	54402BM	-	Plastic Circular Cap for Plug	14.74	13.97	13.51
523-54402BE	54402BE	-	Plastic Circular Cap for Receptacle	14.74	13.97	13.51
523-54402JE	54402JE	-	Gasket (JE16) for Panel Mount Receptacle	1.04	.98	.95
523-5440OT02	5440OT02	-	Insert Removal Device for Plug and Receptacle	7.73	7.33	7.09

FIREWIRE FIELD IEEE 1394A-2000 CONNECTION SYSTEM

- IP67, Sealed against fluids and dusts
- Shock, vibration, and traction resistant
- No tools required
- Can use most standard IEEE1394 cordsets
- Tri-Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device
- Data Rate: 400Mbits/second over 4.5 meters

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Compliance	Price Each		
					1	5	10
Plugs							
523-FWFTV6N	FWFTV6N	-	Plug, Nickel		69.37	65.78	63.59
523-FWFTV6G	FWFTV6G	-	Plug, Green Cadmium		71.02	67.35	65.10
Receptacles							
523-FWFTV21N	FWFTV21N	D	Panel Mount, Nickel	RoHS	51.51	48.84	47.21
523-FWFTV22N	FWFTV22N	D	Panel Mount, PCB, Nickel	RoHS	44.55	41.86	40.47
523-FWFTV22G	FWFTV22G	D	Panel Mount, PCB, Green Cadmium	Non-RoHS	46.20	43.41	41.96
523-FWFTV2PE1N	FWFTV2PE1N	E	Panel Mount with Backshell, Nickel	RoHS	101.93	96.66	93.44
523-FWFTV2PE1G	FWFTV2PE1G	E	Panel Mount with Backshell, Green Cadmium	Non-RoHS	111.87	106.08	102.55
523-FWFTV71N	FWFTV71N	F	Jam Nut, Nickel	RoHS	59.56	55.88	53.22
523-FWFTV71G	FWFTV71G	F	Jam Nut, Green Cadmium	Non-RoHS	62.85	59.60	57.61
523-FWFTV7PE1N	FWFTV7PE1N	G	Jam Nut with Backshell, Nickel	RoHS	110.52	104.81	101.31
FW Field IEEE 1394 Accessories							
523-FWFTVC6N	FWFTVC6N	-	Cap for Plug, Nickel	RoHS	26.09	24.29	23.48
523-FWFTVC6G	FWFTVC6G	-	Cap for Plug, Green Cadmium	Non-RoHS	26.54	24.71	23.89
523-FWFTVC2N	FWFTVC2N	-	Cap for Panel Mount Recpt, Nickel	RoHS	25.11	23.38	22.60
523-FWFTVC2G	FWFTVC2G	-	Cap for Panel Mount Recpt, Green Cadmium	Non-RoHS	26.04	24.25	23.44
523-FWFTVC7G	FWFTVC7G	-	Cap for Jam Nut Recpt, Green Cadmium	Non-RoHS	32.13	30.47	29.46
523-JE15	JE15	-	Gasket for USB & IEEE1394	RoHS	1.83	1.66	1.60

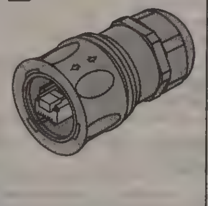
USB FIELD CONNECTION SYSTEM

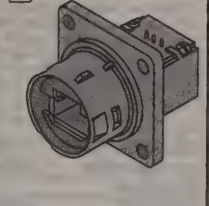
- IP67, Sealed against fluids and dusts
- Shock, vibration, and traction resistant
- No tools required
- Improved EMI protection
- Accomodates a stadard USB cordset
- Tri-Start Thread coupling mechanism (MIL-DTL-38999 series III type) with anti-decoupling device
- Data Rate: 1.5 to 12Mb/s for Full Speed USB
- Mechanical Coding / Polarization (2 positions)

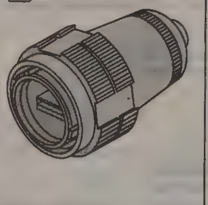
For quantities of 25 and up, call for quote.

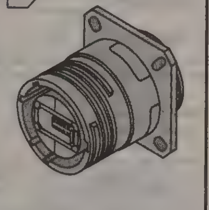
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Compliance	Price Each		
					1	5	10
Plugs-Type A							
523-USBFTV6N	USBFTV6N	C	Nickel	RoHS	50.62	48.76	47.13
523-USBFTV6G	USBFTV6G	C	Green Cadmium	Non-RoHS	50.89	48.26	46.65
Receptacles-Type A							
523-USBFTV21N	USBFTV21N	H	Panel Mount, Nickel	RoHS	38.17	36.19	34.99
523-USBFTV21G	USBFTV21G	H	Panel Mount, Green Cadmium	Non-RoHS	40.30	37.52	36.27
523-USBFTV2PE1N	USBFTV2PE1N	I	Panel Mount with Backshell, Nickel	RoHS	76.11	72.18	69.77
523-USBFTV2PE1G	USBFTV2PE1G	I	Panel Mount with Backshell, Green Cadmium	Non-RoHS	82.93	78.65	76.02
523-USBFTV2PE2N	USBFTV2PE2N	J	Panel Mount with Backshell, PCB, Nickel	RoHS	68.25	65.55	63.36
523-USBFTV2PE2G	USBFTV2PE2G	J	Panel Mount with Backshell, PCB, Green Cadmium	Non-RoHS	73.06	67.25	65.01
523-USBFTV22N	USBFTV22N	K	Panel Mount, PCB, Nickel	RoHS	36.49	34.60	32.96
523-USBFTV22G	USBFTV22G	K	Panel Mount, PCB, Green Cadmium	Non-RoHS	39.15	37.13	35.89
523-USBFTV71N	USBFTV71N	L	Jam Nut, Nickel	RoHS	45.19	42.85	41.42
523-USBFTV71G	USBFTV71G	L	Jam Nut, Green Cadmium	Non-RoHS	47.01	44.18	42.71
523-USBFTV7PE1N	USBFTV7PE1N	M	Jam Nut with Backshell, Nickel	RoHS	81.93	77.69	75.10
523-USBFTV7PE1G	USBFTV7PE1G	M	Jam Nut with Backshell, Green Cadmium	Non-RoHS	83.72	79.39	76.75
523-USBFTV7PE2N	USBFTV7PE2N	N	Jam Nut with Backshell, PCB, Nickel	RoHS	74.96	71.08	68.71
523-USBFTV7PE2G	USBFTV7PE2G	N	Jam Nut with Backshell, PCB, Green Cadmium	Non-RoHS	80.34	72.76	70.34
523-USBFTV72N	USBFTV72N	L	Jam Nut, PCB, Nickel	RoHS	44.77	42.45	41.04
523-USBFTV72G	USBFTV72G	L	Jam Nut, PCB, Green Cadmium	Non-RoHS	46.17	43.78	42.32
USB Field Accessories							
523-USBFTVC6N	USBFTVC6N	-	Cap for Plug, Nickel	RoHS	26.91	25.52	24.67
523-USBFTVC6G	USBFTVC6G	-	Cap for Plug, Green Cadmium	Non-RoHS	27.38	25.97	25.10
523-USBFTVC2N	USBFTVC2N	-	Cap for Panel Mount Recpt, Nickel	RoHS	26.15	24.57	23.75
523-USBFTVC2G	USBFTVC2G *	-	Cap for Panel Mount Recpt, Green Cadmium	Non-RoHS	26.87	25.48	24.63
523-USBFTVC7N	USBFTVC7N	-	Cap for Jam Nut Recpt, Nickel	RoHS	33.89	32.32	29.58
523-JE15	JE15	-	Gasket for USB & IEEE 1394	RoHS	1.83	1.66	1.60
523-USBFODE	USBFODE	-	Insert Removal Device	RoHS	29.72	27.67	26.75

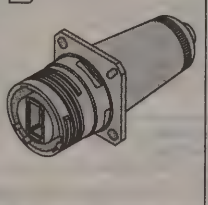
*USB cordset included

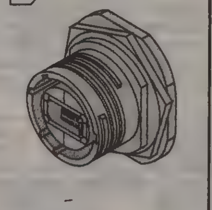
A


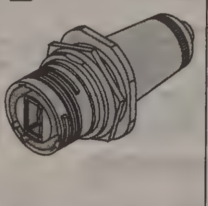
B


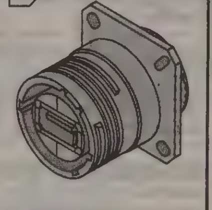
C


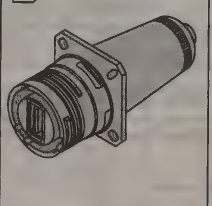
D


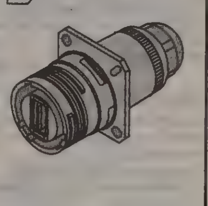
E


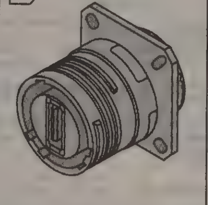
F


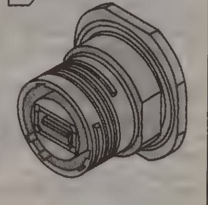
G


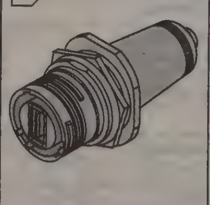
H


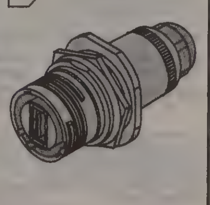
I


J


K


L


M


N


USB B FIELD CONNECTION SYSTEM 2.0

Features:
- USB-B male plug overmolded on USB 2.0 cable
- IP67, Sealed against fluids and dusts
- USB-B female receptacle with 50mm wires & 5 way connector
- Plastic shells with threaded coupling

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	5	10
Plugs						
523-USBBF6100	USBBF6100	A	USB Type B with 1.0 Meter Cordset to USB A	19.48	18.47	17.86
523-USBBF6200	USBBF6200	A	USB Type B with 2.0 Meter Cordset to USB A	21.33	19.87	19.20
Receptacles						
523-USBBF7	USBBF7	B	USB Type B Jam Nut w/cord to 5 pin connector	17.56	15.75	15.22
USB B Field Accessories						
523-USBBFC7	USBBFC7	-	Cap for Jam Nut Receptacle with metal chain	5.56	4.79	4.63

CAPS

Protects the RJ Field, the FW Field, and the USB Field receptacles against dust and water splash.

NEW PRODUCT

Features:
- Based on standard MIL-C-26482
- Dust and splash proof

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	5	10
Plugs						
523-RJF21BSCC	RJF21BSCC	C	RJ45 Field Snap Cap, Plain Insert, Black	35.30	32.26	29.70
523-RJF21NSCC	RJF21NSCC	C	RJ45 Field Snap Cap, Metalized Insert, Nickel	36.67	36.19	33.55
523-FWFTV21BSCC	FWFTV21BSCC	--	FW Field Snap Cap, Plain Insert, Black	43.93	40.44	37.40
523-FWFTV21NSCC	FWFTV21NSCC	--	FW Field Snap Cap, Metalized Insert, Nickel	44.52	40.98	37.97
523-USBF21BSCC	USBF21BSCC	D	USB Field Snap Cap, Plain Insert, Black	34.05	32.70	28.80
523-USBF21NSCC	USBF21NSCC	D	USB Field Snap Cap, Metalized Insert, Nickel	35.48	32.86	31.16

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	25	50
Sefl Closing Cap Accessories						
523-JE18	JE18	E	Gasket for Panel Mount Receptacle - Snap Cap	1.83	1.66	1.60

RUGGED USBFTV MEMORY KEYS

Features:
- IP67 Sealed, Shock & Vibration Proof

NEW PRODUCT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	25	50
523-USBFTVKEY6A0256G	USBFTVKEY6A0256GCAP	F	256 mb Rugged USB Key with cap, Green Cadmium	197.20	182.03	169.03
523-USBFTVKEY6A1024G	USBFTVKEY6A1024GCAP	F	1G Rugged USB Key with cap, Green Cadmium	254.33	234.77	218.00

RUGGED USB MEMORY KEYS

Features:
- IP67 Sealed, Shock & Vibration Proof

NEW PRODUCT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	25	50
523-USBFKEY0256G	USBFKEY0256G	G	256 mb Rugged USB Key with cap, Green Cadmium	151.62	139.95	129.96
523-USBFKEY1024G	USBFKEY1024G	G	1G Rugged USB Key with cap, Green Cadmium	208.75	192.69	179.93

HIGH RELIABILITY USB 2.0 CORDSETS

Contains one 28 AWG 90 characteristic impedance data pair, two 24 AWG power conductors, SFTP Shields (double shielding, Braid and Foiled) jacketed in black UV resistant Polyurethane.

Features:
- Halogen Free Flame Retardant
- Excellent Hydrolosis and Microbial Resistance
- High Flexibility

NEW PRODUCT

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	25	50
523-USB2AA050PUHFFR	USB2AA050PUHFFR	H	19.68 in. (0.5 m) w/ USB A plug overmolded on each end	95.73	88.37	82.06
523-USB2AA100PUHFFR	USB2AA100PUHFFR	H	39.37 in. (1.0 m) w/ USB A plug overmolded on each end	98.85	91.25	84.73

HIGH RELIABILITY CAT 5 AND CAT 5E ETHERNET CABLE & CORDSETS

Designed to the ISO/IEC 11801 Category 5e Requirements. Contains 4 twisted pairs, cabled, double shielded with kevlar reinforcement strands jacketed in black UV resistant Polyurethane

Features:
- Halogen Free Flame Retardant
- Excellent Hydrolosis and Microbial Resistance
- High Flexibility

NEW PRODUCT

RoHS Compliant

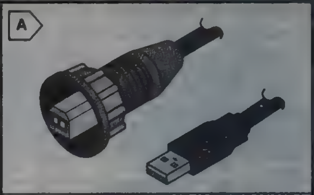
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	25	50
523-RJFSFTP5E0076	RJFSFTP5E0076	I	30 in. (0.762 m) w/ RJ45 plug overmolded on each end;Cat5e	65.85	60.78	56.44
523-RJFSFTP5E0152	RJFSFTP5E0152	I	60 in. (1.524 m) w/ RJ45 plug overmolded on each end;Cat5e	65.28	60.26	55.96
523-RJFSFTP0076	RJFSFTP0076	I	30 in. (0.762 m) w/ RJ45 plug overmolded on each end; Cat5	62.02	57.25	53.16
523-RJFSFTP0152	RJFSFTP0152	I	60 in. (1.524 m) w/ RJ45 plug overmolded on each end;Cat5	69.22	63.89	59.33

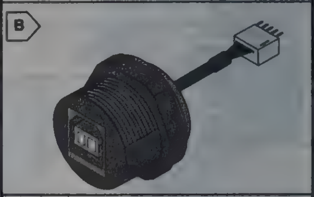
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each
523-KIT36476	KIT36476	I	1200 in. (30.48 m) w/ RJ45 Plug & Recpt, Green Cadmium	928.57

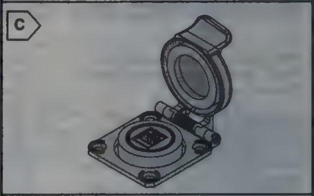
A



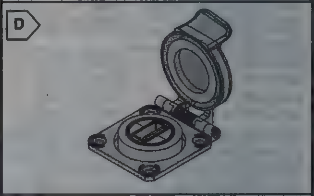
B



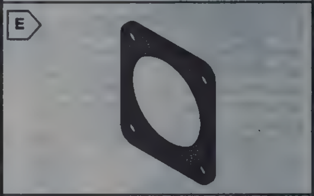
C



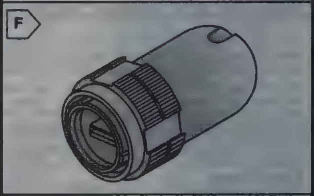
D



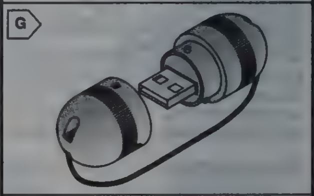
E



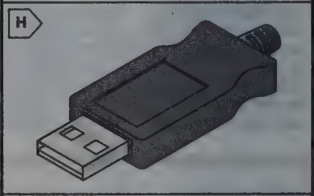
F



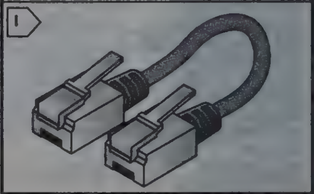
G



H



I



AMP Industrial Ethernet - Circular Sealed RJ-45 Connectors

Tyco Electronics
Authorized Distributor

Common Features:
- Provides for reliable performance in electrically noisy conditions found on most factory floors
- Compatible with Cat5e Cable
- Fully intermateable with unshielded product
- Threaded outer connection contributes to: Environmental sealing (IP67 rated); vibration resistance; and secure, robust connections.
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

DIRECT PCB MOUNT RECEPTACLE

Low profile receptacle that solders directly to a printed circuit board (PCB) - intended for customers who wish to incorporate a robust, sealed connection into their field equipment. Ideal for customers who wish to incorporate a sealed RJ-45 in the smallest possible package.

- Receptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS)
- O-Ring: Vition Rubber
- TIA/EIA Rating: Category 5 compliant
- Use with receptacles, adapters, cordsets, and/or field-attachable plug

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1-1546405-1	1-1546405-1	A	8 pin through-hole receptacle, front coupling hex nut	32.38	29.14	27.52

STANDARD PCB BOARD RECEPTACLES

Highly flexible solution that enables an end-user to solder a cable lead to an internal Ethernet connection.

- Receptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS)
- O-Ring: Nitrile Rubber
- Use with cordsets, field-attachable plug and/or caps

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1-1546409-1	1-1546409-1	B	With PC Board	35.80	32.22	30.43
571-1-1546410-1	1-1546410-1	B	With PCB & 12" of cable (10 Base-T)	40.48	36.43	34.41
571-1-1546411-1	1-1546411-1	B	With PCB & 12" of cable (568A)	43.34	41.28	37.15
571-1-1546412-1	1-1546412-1	B	With PCB & 12" of cable (568B)	52.08	49.60	44.64

BULKHEAD PASSTHROUGH RECEPTACLES

The perfect solution to bring Ethernet into a cabinet or control box. Simply mount bulkhead product in a panel cutout, mate a sealed connector on the outside of the enclosure, and run a commercial patch cord from the backside RJ-45 jack to your PLC, I/O, or Ethernet control board. No conduit entry is required.

- Receptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS)
- O-Ring: Nitrile Rubber
- Operating Temperature: -20° to +80°C
- Return Loss: 5 dB @ 100 MHz
- Shock/Vibration: Per IEC 60068-2-6
- Environmental Rating: IEC IP67
- TIA/EIA Rating: Category 5e compliant
- Knockout Hole for Receptacle: 1.031 (26.19)

Backside RJ-45 Jack Specifications:
- Base Material: Copper alloy w/30u-inches gold alloy
- Underplating: 2.54 microns of nickel
- Mating Cycles: 250 min.
- Current Rating: 1.5A
- Voltage Rating: 125 V DC

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1546413-3	1546413-3	C	RJ-45 Bulkhead passthrough with backside RJ-45 jack	32.52	27.57	25.09
571-1546414-4	1546414-4	D	RJ-45 Bulkhead passthrough with 12" of patch cord	34.48	31.03	29.31
571-1-1546415-1	1546415-1	C	RJ-11 Bulkhead passthrough with backside RJ-45 jack	35.70	32.13	30.35

FEMALE-TO-FEMALE ADAPTER

- Receptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS)
- O-Ring: Nitrile Rubber
- Operating Temperature: -20° to +80°C
- Shock/Vibration: Per IEC 60068-2-6
- Environmental Rating: IEC IP67
- Mating Thread: UNC 1" - 14
- Use with closure caps

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1546574-1	1546574-1	E	Female-to-Female Adapter	71.60	64.44	60.86

FIELD-ATTACHABLE PLUG

Assemble the connection in the field using a standard crimping tool, and still enjoy the same IP67 sealed connection as the overmolded cordset.

- Receptacle Shell: Acrylonitrile- Butadiene- Styrene (ABS)
- O-Ring: Nitrile Rubber
- Use with receptacles, adapters, and/or caps

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1546440-1	1546440-1	F	0.1-0.26 (2.5-6.5) acceptable cable diameter	17.46	15.72	14.85

OVERMOLDED CORDSETS, DOUBLE-ENDED

Cordsets utilize a standard RJ-45 plug, but add strain relief and a locking mechanism that creates a seal when mated with a receptacle.

- Insert Material: Acrylonitrile- Butadiene- Styrene (ABS)
- Overmold: Polyurethane (Solid Core & Proplex), PVC (Stranded)
- Coupling Nut: Acrylonitrile- Butadiene- Styrene (ABS)
- Recommended Mating Torque: 12 inch-lbs.
- Use with receptacles, adapters, and/or caps

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Cable	RJ-45 Plug Ends	Length		Price Each		
					Meters	Feet	1	5	10
571-1-1546451-1	1-1546451-1	G	Solid Core	Industrial (both ends)	1	3.3	71.65	68.24	61.42
571-1-1546451-2	1-1546451-2	G	Solid Core	Industrial (both ends)	5	16.4	110.82	105.54	94.99
571-1-1546451-3	1-1546451-3	G	Solid Core	Industrial (both ends)	10	32.8	154.94	147.56	132.80
571-1-1546451-4	1-1546451-4	G	Solid Core	Industrial/Commercial	2	6.6	105.95	100.90	90.81
571-1-1546453-1	1-1546453-1	G	Stranded	Industrial (both ends)	2	6.6	98.81	94.10	84.69
571-1-1546453-2	1-1546453-2	G	Stranded	Industrial (both ends)	5	16.4	110.82	105.54	94.99

CLOSURE CAPS

Maintains better sealing integrity when a connector is not mated with the receptacle.

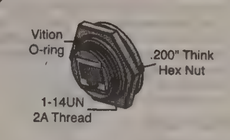
- Material: Delrin (black)
- Use with receptacles, adapters, cordsets, and/or field attachable plug

For quantities of 25 and up, call for quote.

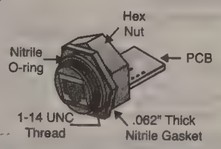
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1-1546406-1	1-1546406-1	H	For receptacles, IP67 rated (with 3.63 lanyard)	15.04	13.54	12.78
571-1-1546407-1	1-1546407-1	H	For receptacles, IP65 rated	11.07	10.54	9.49
571-1-1546408-1	1-1546408-1	H	For plug cordset, IP67 rated (with 3.63 lanyard)	19.51	18.58	16.72

DIMENSIONS: In.

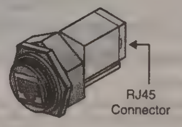
A



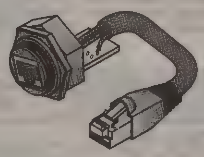
B



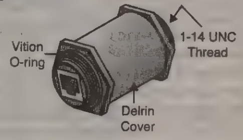
C



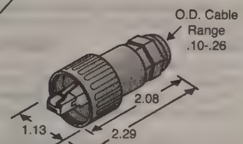
D



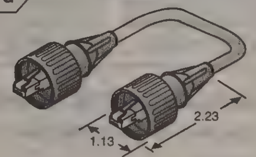
E



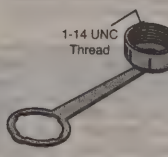
F



G



H



HARTING Industrial Ethernet Solutions

IP30 ETHERNET SWITCH

Features:
- The ethernet switch eCon-3080 and eCon-2050 can be used in industrial environments and supports Ethernet (10 Mbit/s) and Fast Ethernet (100 Mbit/s.)
- Up to 8 ethernet devices can be connected via the RJ45-ports.
- Supports simple and quick network diagnostics with integrated LEDs at every port
- Store and Forward switching mode and supports auto-crossing, auto-negotiation and auto-polarity
- Compact design
- Robust metal housing
- Extended temperature range
- Unmanaged switch
- Top hat rail mounting (DIN EN 60 715)
- RoHS compliant per HARTING documentation

Power Supply:
- Input voltage: 24 VDC (12-30V)
- Input current: max. 125 mA (at 24 VDC)
- Connection: 3-pole, pluggable
- Diagnostic LED: green

Construction:
- Dimensions (WxHxD):
  8 ports: 23x130x100 mm
  5 ports: 46.5x25.5x105.4 mm
- Weight: 8 ports: 0.6 kg
  5 ports: 0.5 kg
- Protection class: IP30
- Operating temperature: -10°C to +70°C

RJ45 Ethernet Interface:
- Number of ports: 8x 10/100Base-TX, unmanaged
  5x 10/100Base-TX, unmanaged
- IEEE 802.3 Cable Type: STP / UTP Category 5E
- Data transmission rate: 10 / 100 Mbit/s
- Maximum cable length: 100 m (Twisted pair, Cat. 5E)

Diagnostic LEDs:
- Connection (Link): green
- Data transfer (Act): flashing green
- Data transmission rate (speed): 100 Mbit/s: yellow
  10 Mbit/s: off

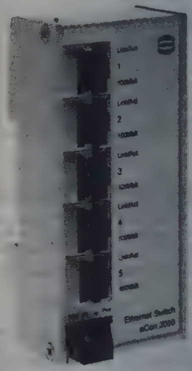
RoHS Compliant

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each
617-20-76-108-3000	20 76 108 3000	A	IP30 Ethernet Switch with 8 ports	170.00
617-20-76-105-3000	20-76-105-3000	B	IP30 Ethernet Switch with 5 ports	105.91

A

B



RJ INDUSTRIAL® IP20 STANDARD PATCH CABLES

Category 5E patch cables in accordance with PROFInet® guidelines.

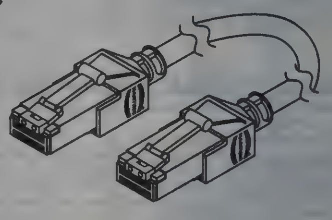
Features:
- Designed for use in protected environments or IT-based applications
- HARTING now offers a complete solution for both networks and switchgear-cabinet cabling requirements.
- Electrical performance Cat. 5E or to ISO/IEC 11 8801:2002
- Mating face RJ45, 8-pin
- Pin assignment to TIA/EIA 568B 1:1 cabling
- Molded connector, shielded with latch, molded from halogen-free polyamide
- Cat. 5E cable, AWG 26/7, shielded
- Sheath material made of halogen-free polyurethane (PUR), available in black or green
- RoHS Compliant per HARTING documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Cable Length (M)	Cable Sheath	Price Each		
					1	5	10
Sheath: Black							
617-09-45-971-1121	09 45 971 1121	C	0.5	PUR Black	8.90	8.01	7.57
617-09-45-971-1122	09 45 971 1122	C	1.0	PUR Black	10.26	9.24	8.73
617-09-45-971-1123	09 45 971 1123	C	2.0	PUR Black	12.86	11.58	10.94
617-09-45-971-1124	09 45 971 1124	C	3.0	PUR Black	16.26	14.64	13.83
617-09-45-971-1126	09 45 971 1126	C	5.0	PUR Black	21.16	19.05	17.99
Sheath: PROFInet® Green							
617-09-45-971-1101	09 45 971 1101	C	0.5	PUR Green	8.90	8.01	7.57
617-09-45-971-1102	09 45 971 1102	C	1.0	PUR Green	10.26	9.24	8.73
617-09-45-971-1103	09 45 971 1103	C	2.0	PUR Green	12.86	11.58	10.94
617-09-45-971-1104	09 45 971 1104	C	3.0	PUR Green	16.26	14.64	13.83
617-09-45-971-1106	09 45 971 1106	C	5.0	PUR Green	21.16	19.05	17.99

C



HAN® MAX ETHERNET CONNECTORS

Approved by the ODVA (Open DeviceNet Vendors Association) EtherNet/IP.

The Ethernet connector Han® Max connects ethernet cables via RJ45 very easily and quickly. One of its main features is a high degree of protection due to a robust metal housing. It can be used directly in industrial environments, thus reducing the termination time to set up industrial networks.

Features:
- High degree of protection
- Robust metal housing
- Plug & play installation
- Bayonet nut connector

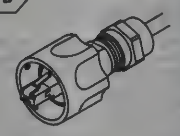
Specifications:
- Housing: Zinc die cast metal housing, nickel plated
- Connector: RJ45 according to IEC 60 603-7
- Number of contacts: 8 contacts
- Operating temperature: -25°C up to +85°C
- Wire: 26-24 AWG
- Cable gland: PG 9

RoHS compliant per HARTING documentation

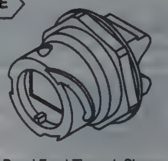
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each		
				1	5	10
617-09-15-300-0401	09 15 300 0401	D	Han® Max Plug with RJ45 interface	37.00	33.30	31.45
617-09-15-300-0301	09 15 300 0301	E	Han® Max Panel Feed Through	55.40	49.86	47.09
617-09-15-300-0311	09 15 300 0311	E	Han® Max Bulkhead Mounting	54.40	48.96	46.24

D



E



Panel Feed-Through Shown

HARAX® CIRCULAR SHIELDED M12-L CONNECTORS

Approved by the ODVA (Open DeviceNet Vendors Association). In accordance with PROFInet® guidelines.

Features:
- Transmission characteristics in accordance with DIN 50 173-1
- D-Coding for ethernet
- Wire gauge: 22-24 AWG stranded
- Conductor insulation material: PVC
- Working temperature: -25°C to +85°C
- Temperature during connection: -5°C to +50°C
- Protection level: IP 67

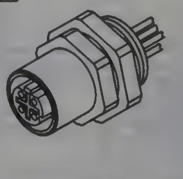
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each		
				1	5	10
617-21-03-281-1405	21 03 281 1405	F	4 Pin Male; D-Coding for ethernet; straight version	59.00	53.10	50.15
617-21-03-281-2405	21 03 281 2405	G	4 Pin Female; D-Coding for ethernet; straight version	61.00	54.90	51.85
617-21-03-371-2403	21 03 371 2403	H	M12 Panel Feed Through	24.20	21.78	20.57
617-21-03-381-4400	21 03 381 4400	I	M12-RJ45 Adapter	51.20	46.08	43.52

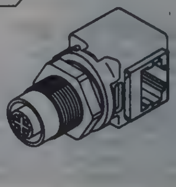
F

G

H



I



HARTING Industrial Ethernet Solutions

RJ INDUSTRIAL® SERIES - CAT 5e

In accordance with PROFInet® guidelines

- Transmission properties in accordance w/Category 5 ISO/IEC 11 801:2002 and EN 50173-1
- Sealed to IP 67
- Fast assembly - no special tools required
- IDC termination

IP 67 Hybrid Connectors

- Mating interface: RJ 45 in accordance with IEC 60603-7, plus 4 x power supply
- Data and power integrated into one connector for hybrid ethernet networks
- Mating cycles: 500 min
- Cable plug: Wire gauge: 22-24 AWG stranded 22-23 AWG solid
- Panel Feed Through: Panel cut out: 22 x 22mm
- Protection level: IP67
- Temperature range: -40°C to +70°C
- Working voltage power supply: 48 V
- Housing material: Black polyamide, UL94V-0 rated
- RoHS compliant per HARTING documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each		
				1	5	10
617-09-45-125-1300	09 45 125 1300	A	Cable Plug, straight with plastic cable gland	24.60	22.14	20.91
617-09-45-225-1300	09 45 225 1300	B	Panel Feed Through, internal RJ 45 jack IP20 and cage clamp	33.14	29.83	28.17

PROFInet® Type B Hybrid Cable

- For flexible installation
- Fire retardant, non-corrosive jacket
- Cabling standard in acc. w/ ISO/IEC 11 801: Category 5
- Service Temperature: -20° C to +70°C
- Sheath: FRNC green, Ø 10.3mm
- Use with Hybrid cable plug above
- RoHS compliant per HARTING documentation

RoHS Compliant

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each
617-09-45-600-0300	09 45 600 0300	C	2 x 2 x AWG 22/7, Stranded, Green, 100m cable ring	1002.02

IP 67 Push Pull Connectors

- Mating interface: RJ 45 in accordance with IEC 60603-7
- Mating cycles: 750 min
- Protection level: IP67
- Temperature range: -40°C to +70°C
- Housing material: Black polyamide, UL94V-0 rated
- Cable plug: Wire gauge: 22-24 AWG stranded 22-23 AWG solid
- Panel feed through: Panel cut out: 21 x 27 mm
- RoHS compliant per HARTING documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each		
				1	5	10
617-09-45-145-1100	09 45 145 1100	D	Data Cable Plug, straight with plastic cable gland	15.40	13.86	13.09
617-09-45-245-1102	09 45 245 1102	E	Panel Feed thru, data only, internal RJ 45 jack IP20, CAT5	14.62	13.16	12.43

IP 67 Data 3A Connectors

- Mating interface: RJ 45 in accordance with IEC 60603-7
- Mating cycles: 500 min
- Protection level: IP67
- Temperature range: -40°C to +70°C
- Metal housing material: Grey zinc die cast
- Plastic housing material: Black polyamide, UL94V-0 rated
- Cable plug: Wire gauge: 22-24 AWG stranded; 22-23 AWG solid
- Panel feed through: Panel cut out: 22 x 22 mm
- RoHS compliant per HARTING documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each		
				1	5	10
617-09-45-125-1100	09 45 125 1100	F	Straight Cable Plug set w/plastic housing and cable gland	24.60	22.14	20.91
617-09-45-115-1100	09 45 115 1100	F	Straight Cable Plug set w/metal housing and cable glan	30.58	27.53	26.00
617-09-45-225-1100	09 45 225 1100	G	Straight Panel Feed Through with plastic housing	22.22	20.00	18.89
617-09-45-215-1100	09 45 215 1100	G	Straight Panel Feed Through with metal housing	27.04	24.34	22.99

Abrasive Resistant Cat 5e Cable

- PROFInet® type C cable for power chains
- European color coded
- Service Temperature: -40° C to +70°C
- Cabling standard in acc. w/ISO/IEC 11 801: Category 5
- Sheath: PUR green, Ø 6.5mm
- PUR cable is well suited for oil-based solutions and flex applications
- Resists abrasion and shearing; long flex life
- RoHS compliant per HARTING documentation

RoHS Compliant

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each
617-09-45-600-0101	09 45 600 0101	H	2 x 2 x AWG 22/7, Stranded, Green, PUR, 100m cable ring	459.65

RJ INDUSTRIAL GIGALINK SERIES - CAT 6

- Transmission properties in accordance with Category 6 ISO/IEC 11 801:2002 and EN 50173-1
- Cable standard in accordance with ISO/IEC 11 801
- Push Pull connector mates with Push Pull panel feed thru connector above
- Sealed to IP 67
- Housing material: Black thermoplastic, UL 94V-0
- Fast assembly using crimp termination
- Temperature range: -40°C to +70°C

IP67 Push Pull Connector

For quantities of 25 and up, call for quote.

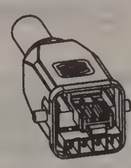
MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each		
				1	5	10
617-09-45-145-1500	09 45 145 1500	I	Push Pull Cable Plug, straight with plastic cable gland, 4 pair	15.40	13.86	13.09

Crimp Tool

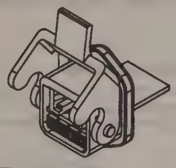
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each	
				1	5
617-09-45-800-0500	09 45 800 0500	---	Crimp Tool for 4 pair connectors	294.78	255.48

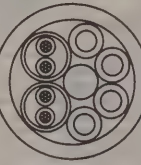
A



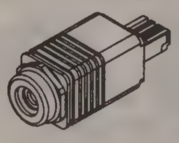
B



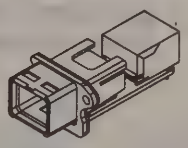
C



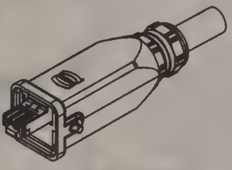
D



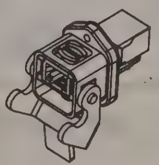
E



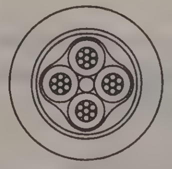
F



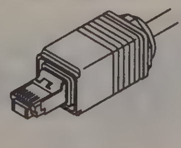
G



H



I



Industrial Ethernet Connectors, Cat 5E Cables, and USB Receptacles

molex

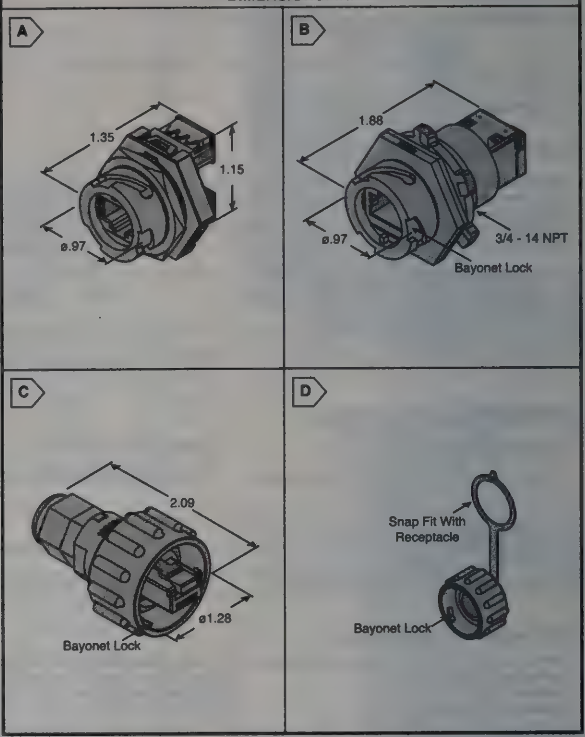
INDUSTRIAL ETHERNET PLUGS AND JACKS, CATEGORY 5E

Features (84702-0006/0008):
- Category 5E specified for high data transmission speeds
- IP67 and NEMA 6p ratings - water and dust tight for functional integrity
- Bayonet style latch receptacle for quick and easy connection with proper mating depth ensured
- One sealing surface for less likelihood of failure
- Back-end is potted for extra durability (84702-0008 only)

Features (84700-0001/0002/0003):
- Rugged construction provides protection to terminals and withstands harsh environments
- Meets Category 5E performance for fast ethernet industry standard

Specifications (All):
- Contact: Phosphor Bronze (CwSn)
- Plating Contact: 1.3μm Gold (Au)
- Under Plating: Nickel (Ni)
- Housing Material: PA Polyamide (Nylon) PBT Polyester, TPE Thermo Plastic Elastomer
- Color: Black
- Flammability: UL 94V-0
- Durability (mating cycles): 500 cycles min.
- Current: 1.5A max.
- Voltage: 125V max.
- Withstanding Voltage: 1000VAC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 500MΩ Min.

DIMENSIONS: IN.



Plugs, Jacks, & Covers

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Circuits	Description	Price Each			
					1	10	25	50
538-84702-0006	84702-0006	A	8	Panel Mount Receptacle	28.48	25.63	24.06	23.77
538-84702-0008	84702-0008	A	8	Panel Mount, Potted Receptacle	27.64	25.57	24.19	21.42
538-84700-0001	84700-0001	B	8	Bulkhead Receptacle	22.90	20.79	19.05	17.60
538-84700-0002	84700-0002	C	8	Plug	23.27	20.64	15.59	14.79
538-84700-0003	84700-0003	D	8	Dust Cover	8.15	7.42	6.80	6.25

Crimp Tool

For quantities greater than listed, call for quote.

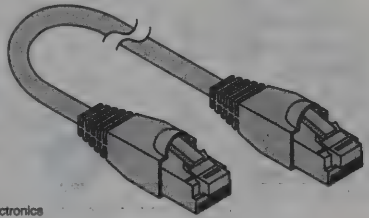
MOUSER STOCK NO.	Molex Part No.	Fig.	Circuits	Description	Price Each
538-64016-0045	64016-0045	-	-	Crimp Tool	57.52

Tyco Electronics
Authorized Distributor

AMP CATEGORY 5E PATCH CORD CABLE ASSEMBLIES

RoHS Compliant

Features:
- Colored boots
- Colored cables
- Unshielded



Specifications:
- EIA/TIA-568A wired
- Enhanced performance
- Exceeds Category 5 performance standards
- Cable: 24 AWG, stranded, non-plenum, unshielded
- 4 pair RJ45 to RJ45
- RoHS Compliant per Tyco Electronics documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Color	Length	Description	Price Each			
					1	25	50	100
571-2192413	219241-3	Gray	3 ft.	Unshielded 4 pair RJ45 to RJ45	4.82	4.34	4.10	3.86
571-2192423	219242-3	Blue	3 ft.	Unshielded 4 pair RJ45 to RJ45	4.82	4.34	4.10	3.86
571-2192433	219243-3	Green	3 ft.	Unshielded 4 pair RJ45 to RJ45	4.82	4.34	4.10	3.86
571-2192443	219244-3	Red	3 ft.	Unshielded 4 pair RJ45 to RJ45	4.82	4.34	4.10	3.86
571-2192417	219241-7	Gray	7 ft.	Unshielded 4 pair RJ45 to RJ45	6.60	5.94	5.61	5.28
571-2192427	219242-7	Blue	7 ft.	Unshielded 4 pair RJ45 to RJ45	6.60	5.94	5.61	5.28
571-2192437	219243-7	Green	7 ft.	Unshielded 4 pair RJ45 to RJ45	6.60	5.94	5.61	5.28
571-2192447	219244-7	Red	7 ft.	Unshielded 4 pair RJ45 to RJ45	6.60	5.94	5.61	5.28
571-12192414	1-219241-4	Gray	14 ft.	Unshielded 4 pair RJ45 to RJ45	9.68	8.71	8.23	7.74
571-12192424	1-219242-4	Blue	14 ft.	Unshielded 4 pair RJ45 to RJ45	9.68	8.71	8.23	7.74
571-12192434	1-219243-4	Green	14 ft.	Unshielded 4 pair RJ45 to RJ45	9.68	8.71	8.23	7.74
571-12192444	1-219244-4	Red	14 ft.	Unshielded 4 pair RJ45 to RJ45	9.68	8.71	8.23	7.74

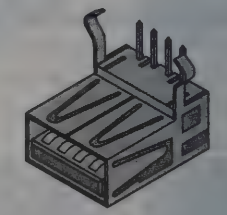
Tyco Electronics

AMP USB RECEPTACLES

Specifications:
- Receptacle housing: UL 94V-0 rated thermoplastic
- Shells: Copper alloy, plated bright tin
- Plug Contacts: Brass, plated gold over palladium nickel
- Voltage rating: 30VAC (rms)
- Current rating: Signal application only, 1A per contact
- Temperature rating: -55°C to +85°C (unless limited by cable or overmold)
- RoHS Compliant per Tyco Electronics documentation

Features:
- Plug and play capability
- Hot pluggable
- Compatible with asynchronous and isochronous data transfer methods
- Compatible with Windows operating systems

RoHS Compliant



787616-1 Illustrated

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	No. of Pos.	Type	Description	Price Each				
					1	10	25	50	100
571-292303-1	292303-1	4	A	Right Angle, Black, Through-hole, .112	.92	.83	.78	.74	.72
571-5787617-1	5787617-1	2 x 4	A	Right Angle, Dual Stacked, Black, Thru-hole	1.94	1.87	1.42	1.26	1.17
571-292304-1	292304-1	4	B	Right Angle, Black, Through-hole, .119	1.17	1.13	.88	.74	.72
571-292304-2	292304-2	4	B	Right Angle, Natural	1.50	1.35	1.28	1.20	1.16

PHOENIX CONTACT Industrial Data Connection Systems

INSPIRING INNOVATIONS

INDUSTRIAL DATA CONNECTORS

VARIOSUB RJ45

Industrial ethernet connection for CAT 5 and CAT 6

Features:

- Patented VARIOSUB housing with push/pull locking system
- IP20 or IP67 rated connections for protection from dust, dirt, water
- PCB mount or panel feed thru connections
- Fully shielded inserts

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each		
Mfr.	Mfr. Part No.				1	10	25
651	1688696	A	VS-08-T-RJ45/IP67	Cat5 RJ45 IP67 Plastic sleeve housing	9.28	8.82	8.41
651	1652732	A	VS-08-T-H-RJ45/IP67	Cat6 RJ45 IP67 Plastic sleeve housing	9.78	9.30	8.86
651	1689080	B	VS-08-A-RJ45/MOD-1-IP67	IP67 Panel mount frame for sq panel cutout	5.44	5.17	4.93
651	1689844	B	VS-08-A-RJ45/MOD-1-R-IP67	IP67 Panel mount frame for round cut-out	5.44	5.17	4.93
651	1688573	C	VS-08-ST-RJ45	Cat5 RJ45 Male insert, IDC	6.26	5.95	5.67
651	1656725	D	VS-08-RJ45-5-Q/IP20	Cat5 RJ45 Male insert, IDC, w/ IP20 housing	22.36	21.26	20.26
651	1656990	E	VS-08-RJ45-5-Q/IP67	Cat5 RJ45 Male insert, IDC, w/ IP67 housing	35.63	33.88	32.29
651	1652729	C	VS-08-ST-H21-RJ45	Cat6 RJ45 Male insert, IDC	13.91	13.23	12.61
651	1689064	F	VS-08-BU-RJ45/BU	Cat5 RJ45 Female insert, Fem / Fem	14.53	13.82	13.17
651	1689459	F	VS-08-BU-RJ45/KA/LSA	Cat5 RJ45 Female insert for cable connection	33.20	31.57	30.09
651	1653168	F	VS-08-BU-RJ45-6/KA/LSA	Cat6 RJ-45 Female insert for cable connection	34.02	32.35	30.83
651	1653090	F	VS-08-BU-RJ45-6/LV-1	Cat6 RJ-45 Female insert for PCB (straight pins)	7.95	7.56	7.20
651	1653087	F	VS-08-BU-RJ45-6/LH-1	Cat6 RJ-45 Female insert for PCB (angled pins)	7.95	7.56	7.20
651	1689200	-	VS-08-SD	Flat protective cover	6.26	5.95	5.67
Tooling					1		5
651	1206696	-	CRIMPFOX-LC	Hand crimp tool without die	205.00		198.00
651	1207420	-	CRIMPFOX-LC-RJ45S	Die for VS-08-ST-RJ45 male insert	174.00		167.00

VARIOSUB USB

Provides connection of peripherals for Industrial PC's and control systems.

- Compatible with USB 2.0
- Transmission rate 480Mbp/s
- IP67 and IP20 rated connections for protection from dust, dirt, water
- Mates with Phoenix Contact VARIOSUB USB Patch Cables

For quantities of 50 and up, call for quote.

651	1653744	B	VS-A-F-IP67	IP67 Panel mounting frame for female inserts	5.44	5.17	4.93
651	1653838	G	VS-04-BUA-BUB-F/IP67	USB-A to USB-B Fem / Fem insert (reversible)	36.21	34.43	32.82
651	1653854	G	VS-04-BUA-FK-F/IP67	USB-A Female insert for flat-ribbon connection	28.59	27.18	25.91
651	1653867	G	VS-04-BUB-FK-F/IP67	USB-B Female insert for flat-ribbon connection	28.59	27.18	25.91

INDUSTRIAL PATCH CABLES

- IP67 and IP20 housings use VARIOSUB's patented push/pull locking system

VARIOSUB RJ45 Patch Cables

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each			
Mfr.	Mfr. Part No.				1	2	5	10
651	1689572	H	VS-08-LI-VSIP67-VSIP67-CF-5.0	CAT5 RJ45/IP67 - RJ45/IP67, 5m	92.81	88.25	84.11	79.16
651	1689585	H	VS-08-LI-VSIP67-VSIP20-CF-5.0	CAT5 RJ45/IP67 - RJ 45/IP20, 5m	85.47	81.27	77.46	72.90
651	1689598	H	VS-08-LI-VSIP67-RJ45-CF-5.0	CAT5 RJ45/IP67 - RJ45, 5m	85.73	81.51	77.69	73.12
651	1689608	H	VS-08-LI-VSIP20-VSIP20-CF-5.0	CAT5 RJ45/IP20 - RJ45/IP20, 5m	82.26	78.21	74.55	70.16
651	1689611	H	VS-08-LI-VSIP20-RJ45-CF-5.0	CAT5 RJ45/IP20 - RJ45, 5m	79.98	76.05	72.48	68.22
651	1689624	H	VS-08-LI-RJ45-RJ45-CF-5.0	CAT5 Std RJ45 - Std RJ45, 5m	74.40	70.74	67.43	63.46
651	1653197	H	VS-08-4x2x26C6/7-2xVS67/5.0	CAT6 RJ 45/IP67 - RJ45/IP67, 5m	89.73	85.32	81.32	76.53
651	1653207	H	VS-08-4x2x26C6/7-VS67-RJ45/5.0	CAT6 RJ45/IP67 - Std RJ45, 5m	87.29	83.00	79.11	74.45
651	1653210	H	VS-08-4x2x26C6/7-2xRJ45/5.0	CAT6 Std RJ45 - Std RJ45, 5m	84.77	80.60	76.82	72.30

VARIOSUB USB Patch Cables

For quantities of 20 and up, call for quote.

651	1653870	I	VS-04-2x2x26C7/7-67A/67B/2.0	Type A/IP67 - Type B/IP67, 2m	84.23	80.09	76.33	71.84
651	1653896	I	VS-04-2x2x26C7/7-67A/SdB/2.0	Type A/IP67 - Type B/stand, 2m	71.87	68.34	65.13	61.30
651	1653919	I	VS-04-2x2x26C7/7-67B/SdA/2.0	Type B/IP67 - Type A/stand, 2m	71.87	68.34	65.13	61.30
651	1653883	I	VS-04-2x2x26C7/7-67A/67B/5.0	Type A/IP67 - Type B/IP67, 5m	109.84	104.44	99.54	93.69
651	1653906	I	VS-04-2x2x26C7/7-67A/SdB/5.0	Type A/IP67 - Type B/stand, 5m	98.86	94.00	89.59	84.32
651	1653922	I	VS-04-2x2x26C7/7-67B/SdA/5.0	Type B/IP67 - TypeA/stand, 5m	98.86	94.00	89.59	84.32
651	1654853	I	VS-04-2X2X26C7/7-SDA/SDB/1.0	Standard Type A-to- Standard Type B, 1m	33.71	32.05	30.55	28.75
651	1653935	I	VS-04-2X2X26C7/7-SDA/SDB/2.0	Standard Type A-to- Standard Type B, 2m	50.94	48.43	46.16	43.45
651	1655771	I	VS-04-2x2x26C7/7-SDA/OE/1.0	Standard Type A-to- open end, 1m	31.02	29.49	28.11	26.46
651	1655784	I	VS-04-2x2x26C7/7-SDA/OE/2.0	Standard Type A-to- open end, 2m	40.91	38.90	37.07	34.89
651	1655797	I	VS-04-2x2x26C7/7-SDA/OE/5.0	Standard Type A-to- open end, 5m	64.15	61.00	58.14	54.72

M12 ETHERNET CABLES

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each			
Mfr.	Mfr. Part No.				1	2	5	10
651	1657517	J	VS-DSIV-M12FSD/0,5-RJ45	Female M12 to RJ45, .05m	51.54	49.01	46.71	43.96
651	1656754	J	VS-DSIV-M12FSD/1,0-RJ46	Female M12 to RJ45, 1m	54.39	51.72	49.29	46.39
651	1656767	J	VS-DSIV-M12FSD/2,0-RJ47	Female M12 to RJ45, 2m	59.94	56.99	54.32	51.13
651	1656770	J	VS-DSIV-M12FSD/5,0-RJ48	Female M12 to RJ45, 5m	76.60	72.83	69.42	65.34
651	1524006	K	SAC-4P-M12MSD/2.0-930	Male M12 to Free End 2m, 4 pos. connector	43.38	41.25	39.31	37.00
651	1524019	K	SAC-4P-M12MSD/5.0-930	Male M12 to Free End 5m, 4 pos. connector	53.81	51.16	48.77	45.90
651	1543100	K	SAC-8P-M12MS/2.0-940	Male M12 to Free End 2m, 8 pos. connector	39.50	36.36	34.71	32.73
651	1543113	K	SAC-8P-M12MS/5.0-940	Male M12 to Free End 5m, 8 pos. connector	57.10	52.57	50.18	47.31
651	1521533	L	SAC-4P-M12MSD/2.0-930/M12MSD	Male M12 to Male M12, 2m, 4 pos. connector	68.99	65.60	62.52	58.84
651	1524051	L	SAC-4P-M12MSD/5.0-930/M12MSD	Male M12 to Male M12, 5m, 4 pos. connector	77.03	73.24	69.81	65.70
651	1543184	L	SAC-8P-M12MS/2.0-940/M12MS	Male M12 to Male M12, 2m, 8 pos. connector	67.28	61.94	59.13	55.75
651	1543197	L	SAC-8P-M12MS/5.0-940/M12MS	Male M12 to Male M12, 5m, 8 pos. connector	84.88	78.15	74.60	70.33

UNMANAGED SWITCHES

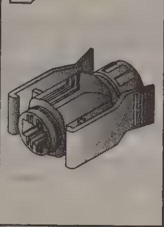
Features:

- RJ45 Ports: 10/100 mps
- Fiber Port: 100 Base FX multimode glass fiber (SC-D)
- Auto Crossing

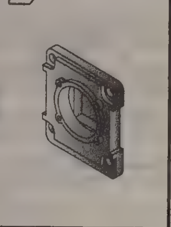
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each
Mfr.	Mfr. Part No.				
651	2891152	M	FL Switch SFN 5TX	5 TP-RJ45 ports	99.00
651	2891929	M	FL Switch SFN 8TX	8 TP-RJ45 ports	148.00
651	2891851	M	FL Switch SFN 4TX/FX	4 TP-RJ45 ports / 1 Fiber Port	235.00

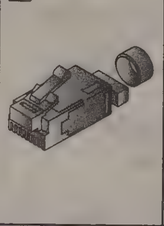
A



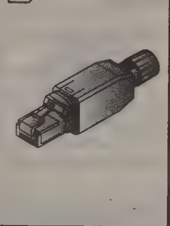
B



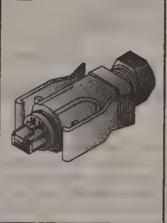
C



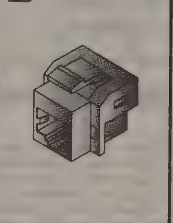
D



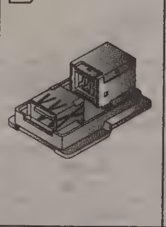
E



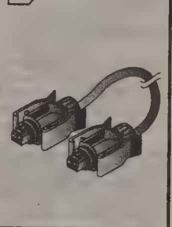
F



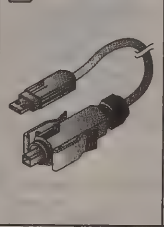
G



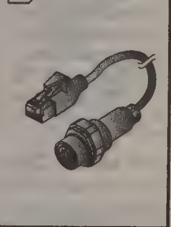
H



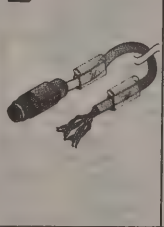
I



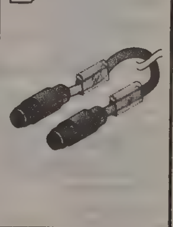
J



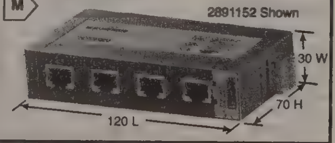
K



L



M



BULGIN Bluetooth Adapters and USB Connectors

BLUETOOTH BUCCANEER® ENVIRONMENTALLY SEALED ADAPTERS

Bluetooth wireless connectivity is the latest addition to Bulgin's USB Buccaneer waterproof connector family. Bluetooth Buccaneer is a robust USB to Bluetooth adapter designed to overcome common limitations with hardwired USB connections, such as the 5 meter distance restriction and signal isolation problems.

Bluetooth Buccaneer's IP68 rated dust and waterproof connector is designed to withstand the rigorous demands of harsh or industrial environments, and the Bluetooth electronics with built-in antenna are robustly housed in the overmoulded UL94V-0 body.

Comprehensive utility software and drivers can be freely downloaded from Bulgin's website, although the most popular plug and play operating systems will automatically recognize the adapter.

Bluetooth Buccaneer will find many applications within industrial control, where water and dust may be present, and a strong, robust and secure wireless connection is needed between computers and peripherals.

Features:
- Dust & Waterproof to IP68 EN60529 when mated
- Bluetooth specification V1.1 & V1.2
- Built-in antenna
- Screw coupling for secure connection
- Windows compatible drivers
- Windows XP recognized
- Optional driver download via Bulgin website
- Class 1 working Range up to 100m
- Class 2 working Range up to 25m
- Data rates up to 723kbps
- Standard A type USB interface
- Frequency band: 2.4GHz unlicensed ISM band
- Sensitivity: -76dBm
- Support: Piconet, up to seven slaves
- RoHS Compliant per Bulgin documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each	
				1	10
167-PX0880/1	PX0880/1	A	IP68 rated USB/Bluetooth Adapter, Class I	63.98	59.05
167-PX0880/2	PX0880/2	A	IP68 rated USB/Bluetooth Adapter, Class II	48.93	45.16

USB BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

- IP68 Rated - Dust and waterproof sealing when mated
- USB version 2.0 performance - Low and high speed bus connection, 1.5Mbs to 480Mbs
- Plug and play capability - Hot pluggable, standard 4 pole interface
- Visual mating indication - Alignment indicator reduces risk of damage during mating
- Shielded system - High noise immunity and EMI protection
- Screw coupling - Secure, proven locking system
- RoHS Compliant per Bulgin documentation

RoHS Compliant

Patch Cords

- Single and double ended cables - Suitable for PC and peripheral configuration
- IP68 'A' type USB connector to standard 'B' type USB connector, mates with PX0842/A
- IP68 'B' type USB connector to standard 'A' type USB connector, mates with PX0842/B
- IP68 'A' type USB connector to IP68 'B' type USB connector, mates with PX0842/A and PX0842/B
- Available in 2m, 3m and 5m lengths

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Length	Price Each		
					1	10	25
172-PX0840/A/2M00	PX0840/A/2M00	B	Single Ended, IP68 A type to standard B type	2 M	7.05	6.27	5.22
172-PX0840/A/3M00	PX0840/A/3M00	B	Single Ended, IP68 A type to standard B type	3 M	8.70	7.74	6.44
172-PX0840/A/5M00	PX0840/A/5M00	B	Single Ended, IP68 A type to standard B type	5 M	11.58	10.31	8.57
172-PX0840/B/2M00	PX0840/B/2M00	C	Single Ended, IP68 B type to standard A type	2 M	7.05	6.27	5.22
172-PX0840/B/3M00	PX0840/B/3M00	C	Single Ended, IP68 B type to standard A type	3 M	8.70	7.74	6.44
172-PX0840/B/5M00	PX0840/B/5M00	C	Single Ended, IP68 B type to standard A type	5 M	11.58	10.31	8.57
172-PX0841/AB/2M00	PX0841/AB/2M00	D	Double Ended, IP68 A type to IP68 B type	2 M	11.34	10.09	8.39
172-PX0841/AB/3M00	PX0841/AB/3M00	D	Double Ended, IP68 A type to IP68 B type	3 M	13.35	11.88	9.88
172-PX0841/AB/5M00	PX0841/AB/5M00	D	Double Ended, IP68 A type to IP68 B type	5 M	15.84	14.10	11.72

PCB Adapter Leads

- Standard A and B type USB connectors to 5 way crimp adapter leads

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Length	Price Each		
					1	10	25
172-14193	14193	E	Standard A type to 5 way crimp connector	100mm	2.99	2.63	2.34
172-14194	14194	E	Standard B type to 5 way crimp connector	100mm	2.99	2.63	2.34

Panel Mount Connectors

- Opposite connector to rear of panel
- Mates with PX0840 and PX0841 cable connectors

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	10	25
167-PX0842/A	PX0842/A	F	Sealed A type USB at front of panel, standard B type USB at rear	7.95	7.08	5.90
167-PX0842/B	PX0842/B	G	Sealed B type USB at front of panel, standard A type USB at rear	7.95	7.08	5.90

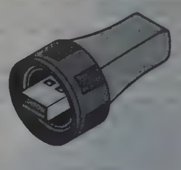
PCB Headers

- 5 way headers, 2.54mm pitch, horizontal or vertical mounting

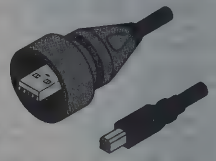
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	10	25
177-14191	14191	H	5 way PCB header - straight type	.20	.18	.15
177-14192	14192	I	5 way PCB header - right angle type	.23	.21	.18

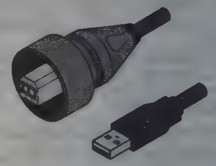
A



B

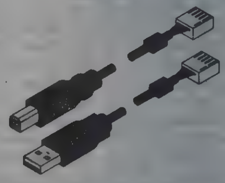


C

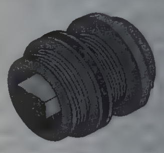


D

E

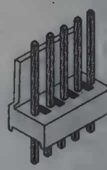


F

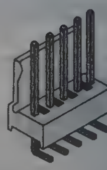


G

H



I



BULGIN Ethernet and FireWire Connectors

ETHERNET BUCCANEER® ENVIRONMENTALLY SEALED CAT 5E CONNECTORS

- IP68 Rated
- Cat 5e compliant
- Dust and waterproof sealing when mated
- Shroud on RJ45 provides secure, proven locking system
- Data rate up to 100Mhz
- RoHS Compliant per Bulgin documentation

RoHS Compliant

Patch Cord Flex Connector

- Shielded RJ45 plug
- S-FTP cable construction

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Length	Price Each		
					1	10	25
PUR Jacket Cable							
172-PX0837/2M00	PX0837/2M00	A	Single Ended, IP68 RJ Buccaneer to Shielded RJ45	2 M	21.33	19.20	16.00
172-PX0837/3M00	PX0837/3M00	A	Single Ended, IP68 RJ Buccaneer to Shielded RJ45	3 M	24.73	22.26	18.55
172-PX0837/5M00	PX0837/5M00	A	Single Ended, IP68 RJ Buccaneer to Shielded RJ45	5 M	28.15	25.34	21.11
172-PX0838/2M00	PX0838/2M00	B	Double Ended, IP68 RJ Buccaneer to IP68 RJ Buccaneer	2 M	26.45	23.81	19.84
172-PX0838/3M00	PX0838/3M00	B	Double Ended, IP68 RJ Buccaneer to IP68 RJ Buccaneer	3 M	30.71	27.64	23.04
172-PX0838/5M00	PX0838/5M00	B	Double Ended, IP68 RJ Buccaneer to IP68 RJ Buccaneer	5 M	33.21	29.89	24.91

Ethernet Buccaneer® Connectors

- Standard patch cord can be plugged into rear
- Complete with panel sealing gasket

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	10	25
177-PX0834/A	PX0834/A	C	Re-wirable Flex connector for Cat 5e PE and PUR jacket cable	14.88	13.24	11.01
177-PX0834/B	PX0834/B	C	Re-wirable Flex connector for cable 3.5mm - 8mm diameter	14.88	13.24	11.01
167-PX0833	PX0833	D	Panel mount shielded Cat 5e coupler - front panel mounted	30.95	27.59	22.94

Accessories

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	10	25
157-PX0835	PX0835	E	Sealing cap for PX0834 - maintain IP68 rating	1.47	1.31	1.09
157-PX0733	PX0733	E	Sealing cap for PX0833 - maintain IP68 rating	.96	.85	.77
157-14150	14150	F	Replacement shielded RJ45 plug	1.44	1.33	1.27

Cable Joiners

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	10	25
172-PX0777/UTP	PX0777/UTP	G	8 conductor Unshielded coupler with cable gland	9.25	8.32	6.94
172-PX0777/STP	PX0777/STP	G	8 conductor Shielded coupler with cable gland	12.58	11.32	9.44
172-PX0777CAT5ESTP	PX0777/CAT5ESTP	G	8 conductor Shielded Cat5e coupler with cable gland	13.94	12.55	10.46

FIREWIRE BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

- IP68 Rated
- IEEE1394a performance to 400Mbs
- Dust and waterproof sealing when mated
- Secure, proven locking system
- Secure, proven locking system
- High noise immunity and EMI protection
- Secure tamperproof connection
- RoHS Compliant per Bulgin documentation

RoHS Compliant

Sealed FireWire Cable Assemblies

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Length	Price Each		
					1	10	25
157-PX0417/2M00	PX0417/2M00	H	IP68 4 pole to standard 4 pole FireWire	2 M	20.85	18.95	17.37
157-PX0417/4M00	PX0417/4M00	H	IP68 4 pole to standard 4 pole FireWire	4 M	28.40	25.81	23.66
157-PX0418/2M00	PX0418/2M00	I	IP68 4 pole to standard 6 pole FireWire	2 M	20.85	18.95	17.37
157-PX0418/4M00	PX0418/4M00	I	IP68 4 pole to standard 6 pole FireWire	4 M	28.40	25.81	23.66
157-PX0846/2M00	PX0846/2M00	J	IP68 6 pole to standard 6 pole FireWire	2 M	27.05	24.59	22.54
157-PX0846/4M00	PX0846/4M00	J	IP68 6 pole to standard 6 pole FireWire	4 M	37.25	33.86	31.04

Panel Mount Connectors

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	10	25
157-PX0419	PX0419	K	IP68 4 pole, panel mounted, with 5 way crimp at rear	10.65	9.68	8.87
157-PX0847	PX0847	L	IP68 6 pole, panel mounted, with 7 way crimp at rear	12.87	11.70	10.72

PCB Headers

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	10	25
157-14358	14358	M	7 way PCB header - straight type	.47	.42	.39
157-14359	14359	N	7 way PCB header - right angle type	.51	.46	.42

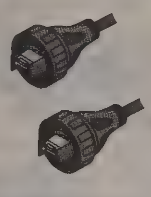
Accessories

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	10	25
157-PX0485/BK	PX0485/BK	E	Sealing cap for 4 pole cable connectors - PX0417, PX0418	1.05	.95	.86
157-PX0480/BK	PX0480/BK	E	Sealing cap for 4 pole chassis connector - PX0419	1.05	.95	.86

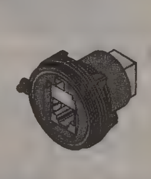
A

B

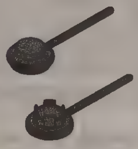


C

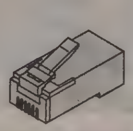
D



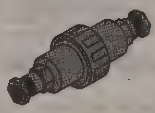
E



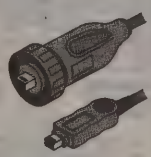
F



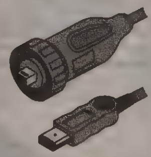
G



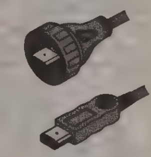
H



I

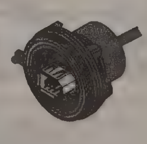


J

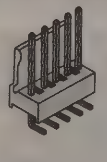


K

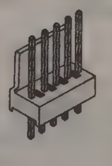
L



M



N



Telecom, DVI, HDMI, and Interface Connectors

V.35 TELECOM DTE/DCE INTERFACE CONNECTORS

- Meets CCITT V.35 synchronous modem interface requirements per ISO-2593
- Mates with other industry standard V.35 connectors
- Data Traffic: 20kbps to 2mbps max.
- 30μ" Gold
- Operating Temperature: -55°C to +125°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Pins	Type	Style	Shell Type	Current Rating	Price Each			
								1	25	50	100
587-B01-034-640-900	B01-034-640-900	A	34	Through-Hole	Right Angle	30μ" Gold	5 Amp	10.80	10.26	9.72	9.18

DVI (DIGITAL VISUAL INTERFACE) CONNECTORS

- Supports both analog and digital signals
- First mate last break
- Fully shielded for top EMI/RFI performance
- Fully grounded prior to connecting to elimnate ESD
- Insulator: High Temperature Nylon 6T
- Gold Flash

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Pins	Style	Contact Finish	Current Rating	Temperature Rating	Price Each			
								1	25	50	100
587-B10-029-266-032	B10-029-266-032	B	29	Right Angle	Gold Flash	5 Amp	-55°C to +230°C	2.40	2.30	2.16	2.04
587-B10-024-266-900	B10-024-266-900	B	24	Right Angle	Gold Flash	5 Amp	-55°C to +230°C	1.79	1.70	1.62	1.53

DVI TO VESA ADAPTER

- Insulator: Thermoplastic Polyester, UL94V-0 Rated
- RoHS compliant per EDAC documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	Description	Price Each			
				1	25	50	100
587-628-000-924B	628-000-924B	C	DVI to VESA 15 Pin Video Adapter	6.90	6.56	6.21	5.87

HIGH DENSITY VIDEO D-SUB RECEPTACLES

- Shell Material: Tin/Lead Plated Steel
- Dielectric Withstand Voltage: 1000VACrms at Sea Level
- Operating Temperature: -55°C to +125°C
- Insulator Material: Thermoplastic Polyester, UL94V-0

∗ VESA Standard

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Pins	Style	Contact Finish	Current Rating	Color	Price Each			
								1	25	50	100
∗587-634-015-274-906	634-015-274-906	D	15	Right Angle	Gold Flash	5 Amp	Blue	.71	.56	.52	.50
587-634-015-263-032	634-015-263-032	D	15	Right Angle	Gold Flash	5 Amp	Black	.92	.82	.75	.69

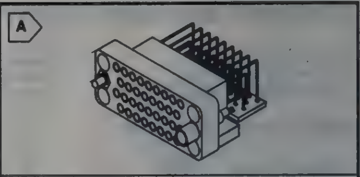
TELECOM RECEPTACLES

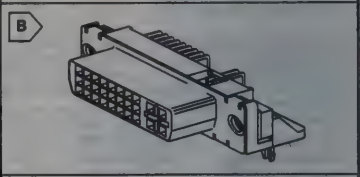
- Mates with other industry standard telecom connectors
- Contact Plating: 10μ" Gold
- Gold Flash
- Operating Temperature: -55°C to +125°C
- Insulator: Blue Thermoplastic Polyester, UL94V-0
- Shell Material: Nickel Plated Steel
- RoHS Compliant per EDAC documentation

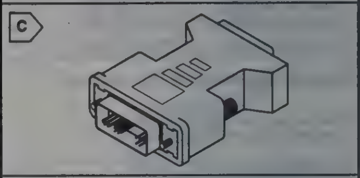
RoHS Compliant

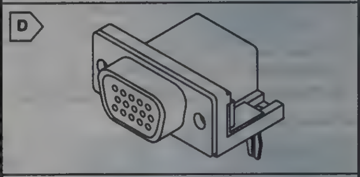
For quantities of 500 and up, call for quote.

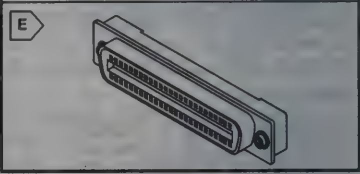
MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Pins	Type	Style	Shell Type	Current Rating	Price Each			
								1	25	50	100
587-B57-050-220-202	B57-050-220-202	E	50	Press-Fit	Vertical	Metal Face	2 Amp	4.92	4.68	4.46	4.19
587-B57-050-260-202	B57-050-260-202	E	50	Through Hole	Right Angle	Metal Face	2 Amp	6.68	6.35	6.02	5.68


A


B


C


D


E

DE1 SERIES 1.27MM INTERFACE CONNECTORS

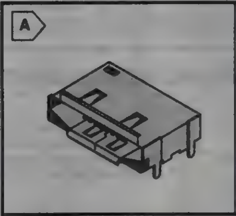
NEW FROM SUPPLIER

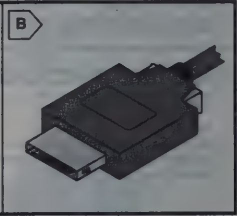
RoHS Compliant

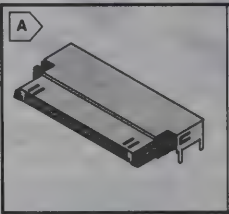
- Cross talk improved by setting pitch to 1.27mm and staggering contact arrangement
- Cable plug with mechanical lock to ensure mating
- 10,000 Mating cycles
- Rated current 0.5A per pin
- ROHS compliance per JAE documentation

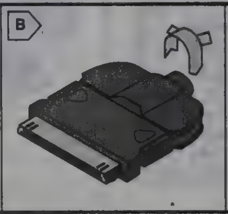
For quantities of 100 and up, call for quote.

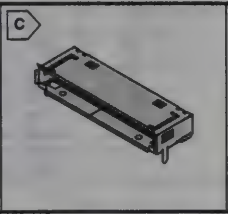
MOUSER STOCK NO.	JAE Part No.	Fig.	Position	Description	Price Each			
					1	10	25	50
656-DE1R015ND1	DE1R015ND1	A	15	Through Hole, Receptacle	10.20	9.27	8.64	7.85
656-DE1P15T00104719	DE1P15T00104719	B	15	Plug-Plug cable assembly	52.48	47.71	44.47	39.97

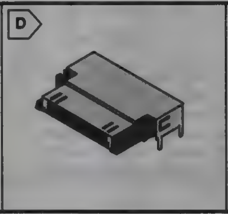

A

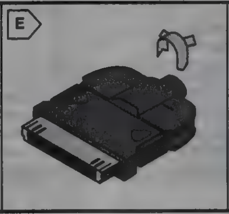

B

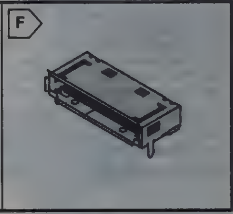

A


B


C


D


E


F

DD1 AND DD2 SERIES 0.50MM INTERFACE CONNECTORS

- Conforms to USB2.0 Standard
- Secure ground connection for EMI prevention
- Receptacle: Live insertion
- RoHS Compliance per JAE documentation
- Initial Contact Resistance: 50 mΩ Max.
- Rated Current: for signal 0.5A, for power 1.0A

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-DD1B030HA1R500	DD1B030HA1R500	A	30	SMT, Plug	3.40	3.10	2.84	2.62
656-DD1P030MA1	DD1P030MA1	B	30	Cable Plug	5.94	5.39	4.93	4.58
656-DD1R030HA1R1300	DD1R030HA1R1300	C	30	SMT, Receptacle	3.13	2.84	2.62	2.41
656-DD2B040HA2R500	DD2B040HA2R500	D	40	SMT, Plug	5.20	4.73	4.33	4.00
656-DD2P040MA1	DD2P040MA1	E	40	Cable Plug	9.42	7.85	7.54	7.14
656-DD2R040HP2R1000	DD2R040HP2R1000	F	40	SMT, Receptacle	5.42	4.92	4.50	4.20

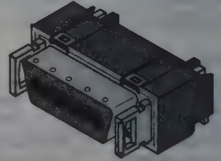
DG1 SERIES INTERFACE CONNECTOR CONFORMING TO INFINIBAND™ STANDARD

- Conform to ∗IBTA Cooper Cable Standard 4x,12x
- Enables high-speed transmission of 5Gbps or more
- RoHS Compliance per JAE documentation
- Receptacle can be mated to panel using one-touch clip, eliminating need for any other tool
- Receptacle with wide nozzle attachment area enables automatic mounting

∗ IBTA/InfiniBand Trade Association

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	No. of Circuits	Description	Price Each			
				1	10	25	50
656-DG1R025HS5E250	DG1R025HS5E250	25	Receptacle, 4x InfiniBand, SMT	12.98	11.80	10.82	9.99



RoHS Compliant

AMPHENOL External I/O Connectors

RoHS Compliant **This page of product is compliant.**

INFINITY InfiniBand™

High speed INFINITY connectors facilitate data speeds up to 75 Gbps total bandwidth. INFINITY connectors are high density, hot pluggable and meet SFF-8470 specifications.

Applications:
- Datacom devices
- HCA's
- High speed routers/switches
- SAN's
- RAID
- XAUI

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	100
4X Receptacles							
523-U65-B04-1270T	U65-B04-1270T	A	Lanyard R/A SMT top mount 4 solder posts	8.18	6.36	5.89	5.32
523-U65-B04-2020T	U65-B04-2020T	B	Screw lock R/A SMT	7.63	6.15	5.70	5.15
523-U65-E04-1120T	U65-E04-1120T	B	Screw lock fixed board R/A SMT	8.42	6.55	6.15	5.46
523-U65-B04-4060CT	U65-B04-4060CT	C	Lanyard R/A SMT 4 solder posts or holes	8.47	6.55	6.00	5.46
523-U65-E04-4260T	U65-E04-4260T	C	Lanyard R/A SMT 4 solder posts or holes	7.39	6.75	6.15	5.36
523-U65-F04-4360T	U65-F04-4360T	D	Belly-to-Belly (2 posts/2 screw mount holes)	10.23	8.10	7.39	6.75
12X Receptacles							
523-U65-E12-4264T	U65-E12-4264T	C	Lanyard R/A SMT 4 solder posts or holes	15.10	11.80	10.80	9.85
523-U65-B12-1210	U65-B12-1210	E	Lanyard R/A SMT locating/solder posts	12.65	10.85	10.25	9.10
4X Plugs							
523-UE66-L04-2120	UE66-L04-2120	F	Plug kit screw lock	12.76	10.21	9.82	9.28
523-UE66-L04-2130	UE66-L04-2130	G	Plug kit lanyard latch	13.78	12.13	11.02	9.92
Accessories							
523-U65-404-40-P	U65-404-40-P	H	Jack/Thumb screw	.23	.17	.15	.14
523-U65-404-60P	U65-404-60P	I	4x rear cover receptacle	.29	.24	.22	.19
523-U65-412-60-P	U65-412-60-P	I	12x rear cover receptacle	.50	.44	.40	.36

VHDCI - SINGLE PORT

VHDCI (Very High Density Cable Interconnect) provides connection where space is limited and high performance is required. These fully shielded connectors support ESD/EMI protection and are capable of transferring data up to 80 Gbps.

Applications:
- RAID
- Disk drive/systems
- Servers
- SANs
- Routers

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	100
Right Angle							
523-HE11-RAA-101	HE11-RAA-101	J	Screwlocks single shell	5.94	5.60	5.40	5.12
Straddle Mount							
523-HE11-RDA-1014	HE11-RDA-1014	K	Screwlocks single shell .093" PCB	5.31	4.78	4.34	3.98
523-HE11RDA-110-4-CT	HE11RDA-110-4-CT	K	Screwlocks shell without EMI tabs	3.95	3.60	3.32	2.80

SMALL FORM FACTOR PLUGGABLE (SFP)

20 position connector and cage combo for mounting to a host PCB with a metal cage enclosing the connector. Similar to GBIC but smaller in size and operate at much higher data transfer rates. The cages are a one-piece construction with enhanced transceiver mating tabs presently available in press-fit version.

Applications:
- Servers
- Routers
- Storage devices
- Switches
- Optical devices
- Networking devices

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	100
523-UE75-A20-3000T	UE75-A20-3000T	L	Fixed board R/A SMT	1.27	1.13	1.02	.93
523-UE78-B1126-00121	UE78-B1126-00121	M	2XN with press fit pins 1 over 1 ports	8.00	7.11	6.40	5.82
523-UE78-B4126-00121	UE78-B4126-00121	N	2XN with press fit pins 4 over 4 ports	29.50	26.20	23.60	21.45

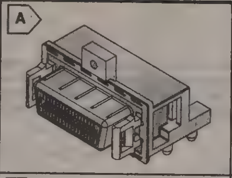
MINIATURE MICRO-RIBBON® CONNECTORS

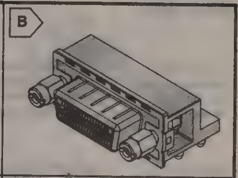
57 series connectors meet the demands of today's multi-wire termination applications. These reliable and versatile rack & panel, cable-to-panel, and cable-to-cable connectors are used extensively in telecom applications. Mating capability allows them to be used with existing equipment without the need for expensive modifications.

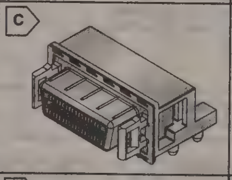
RoHS Compliant

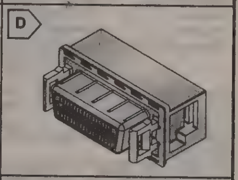
For quantities of 500 and up, call for quote.

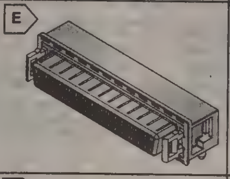
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	100
Plugs							
523-57-10240	57-10240	O	24-size, solder cup	4.25	3.77	3.40	3.09
523-57-10500-14	57-10500-14	P	50-size, solder cup, R/A metal hood	8.23	7.75	7.10	6.05
523-57-30140	57-30140	Q	14-size, solder-cup, straight metal hood	6.91	6.05	5.37	4.84
523-57-30240	57-30240	Q	24-size, solder-cup, straight metal hood	7.80	6.82	6.06	5.46
523-57-30360	57-30360	Q	36-size, solder-cup, straight metal hood	9.96	8.54	6.64	5.98
523-57-30500	57-30500	Q	50-size, solder-cup, straight metal hood	9.83	8.60	7.64	6.88
523-57-33500-1	57-33500-1	Q	50-size, solder-cup, straight metal hood	9.10	8.00	7.11	6.50
Receptacles							
523-57-20240	57-20240	O	24-size, solder cup	6.03	5.74	5.14	4.23
523-572024023	57-20240-23	O	24-size, straight PCB	4.77	4.18	3.71	3.34
523-57-20500-7	57-20500-7	P	50-size, solder-cup, R/A metal hood	6.80	6.40	5.82	5.45
523-57-20500	57-20500	R	50-size, solder-cup	7.60	6.65	5.91	5.32
523-5740140	57-40140	S	14-size, solder cup	5.97	5.22	4.64	4.18
523-5740240	57-40240	S	24-size, solder cup	6.14	5.37	4.77	4.30
523-57-40500	57-40500	S	50-size, solder cup	7.89	6.88	5.50	5.00

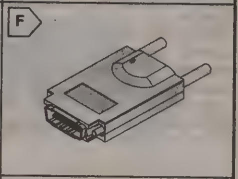


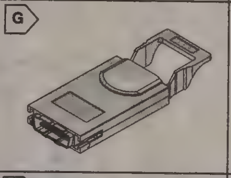


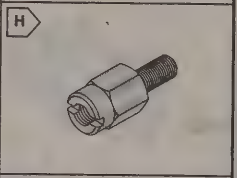


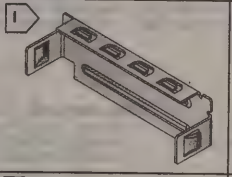


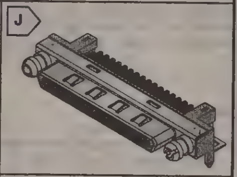


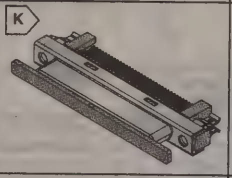


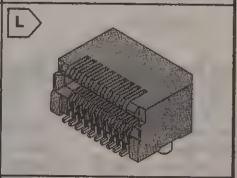


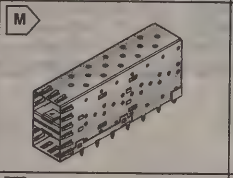


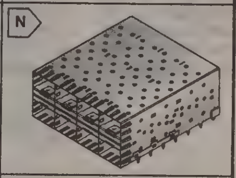


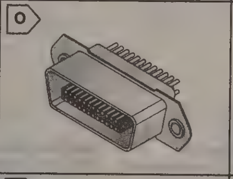


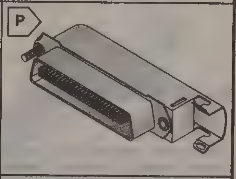


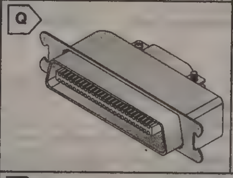


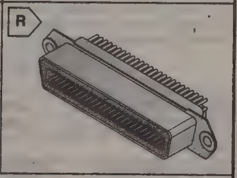


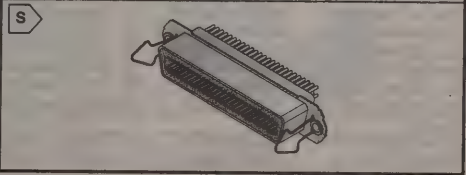












AMPHENOL I/O Connectors

This page of product is compliant.

MINI SAS

This connector system is designed to satisfy the needs for gigabit serial data transmission applications with signal speeds across the connector interface at up to 10 Gigabits/second on both rows of contacts. The cage is mounted separately to the body so that the stress imposed by insertion and removal of the cable plug does not affect the signal/body solder joints. Compliant metal gasket on external cages provides excellent mechanical performance and EMI suppression. Connectors are compliant with SFF 8086, SFF 8087, and SFF 8088

RoHS Compliant

Applications:
- Servers
- Routers
- Storage devices

Specifications:
- Electrical: .5A maximum per contact
- Mechanical: 250 mating cycles minimum

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	50
Receptacles							
523-FS1-R26-2000	FS1-R26-2000	A	26 position gold plating	**2.60**	**2.50**	**2.37**	**2.30**
Gasket							
523-FS1-S01-124E1	FS1-S01-124E1	B	1x-1 deg SAS Out Port	**3.48**	**3.16**	**2.90**	**2.67**
523-FS1-S01-146E1	FS1-S01-146E1	B	1x-1 deg SAS In Port	**3.48**	**3.16**	**2.90**	**2.67**
523-FS1-S01-14E1	FS1-S01-14E1	B	1x-1 deg SAS Univ Port	**3.48**	**3.16**	**2.90**	**2.67**
523-FS1-S02-14E1	FS1-S02-14E1	C	2x-1 deg SAS Univ Port	**4.32**	**3.92**	**3.72**	**3.60**
523-FS1-SF1-14E1	FS1-SF1-14E1	B	1x-0 deg SAS Univ Port	**3.48**	**3.16**	**2.90**	**2.67**
523-FS1-SF2-14E1	FS1-SF2-14E1	C	2x-0 deg SAS Univ Port (double)	**4.32**	**3.92**	**3.72**	**3.60**

SAS

SAS (Serial attached SCSI) is a point to point connectivity storage system architecture that has many advantages over SCSI. It is designed to replace the SCSI interconnect system with a much smaller, more flexible serial design. SAS connectors allow devices to be cabled or directly attached to the backplane.

Features:
- Data speed up to 6 Gbps
- Simpler cable routing and better system airflow
- Compatible with SATA disc drives

Specifications:
- Electrical: 1.5A per contact
- Contact Resistance: 15mΩ maximum
- Durability: 500 cycles
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	50
523-SASF0130022	SASF0130022	D	SAS R/A T/H plug	**1.90**	**1.68**	**1.35**	**1.29**
523-SASF1110031	SASF1110031	E	SAS vertical T/H plug	**1.58**	**1.39**	**1.26**	**1.14**
523-SASF5110202C	SASF5110202C	F	SAS hybrid plug	**1.43**	**1.26**	**1.14**	**1.03**
523-SASF7140121	SASF7140121	F	SAS straight press fit receptacle 30μ gold	**1.78**	**1.57**	**1.42**	**1.28**
523-SASF7140122	SASF7140122	F	SAS straight press fit receptacle 15μ gold	**1.53**	**1.35**	**1.22**	**1.10**
523-SASF8100082	SASF8100082	G	SAS cable connector	**1.03**	**.91**	**.82**	**.74**
523-SASM3100031	SASM3100031	H	SAS straight SMT plug	**1.33**	**1.17**	**1.06**	**.96**

SATA (SERIAL ATA)

Provides much higher speed data transfer than the traditional Parallel ATA standard. The cable is much smaller than that of PATA and provides better airflow within the device box, lowering manufacturing and maintenance cost. It allows for flexibility in system design.

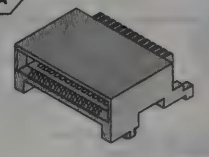
Specifications:
- Electrical: 1.5A per contact
- Insulation Resistance: 1000mΩ maximum
- Durability: 500 cycles

RoHS Compliant

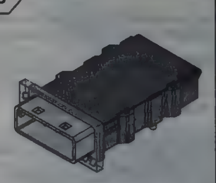
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	10	25	50
Plugs							
523-SATA00102213	SATA00102213	I	22 pin(15+7) R/A T/H	**.68**	**.60**	**.54**	**.49**
523-SATA00102233	SATA00102233	I	22 pin(15+7) R/A T/H	**.73**	**.64**	**.58**	**.53**
523-SATA00122073	SATA00122073	J	7 pin R/A SMT	**.53**	**.47**	**.42**	**.38**
523-SATA00102253	SATA00102253	K	22 pin(15+7) SMT	**.80**	**.71**	**.64**	**.58**
523-SATA00122223C	SATA00122223C	L	7 pin R/A SMT	**.68**	**.60**	**.54**	**.49**
523-SATA01120172	SATA01120172	M	7 pin vertical T/H	**.48**	**.42**	**.38**	**.35**
523-SATA01120271	SATA01120271	M	7 pin vertical T/H	**.40**	**.36**	**.32**	**.29**
Sockets							
523-SATA10101151	SATA10101151	N	22 pin (7+15) vertical SMT	**1.08**	**.95**	**.86**	**.78**
523-SATA1120142	SATA1120142	N	22 pin (7+15) vertical T/H	**1.08**	**.95**	**.86**	**.78**

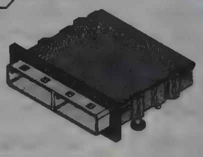
A



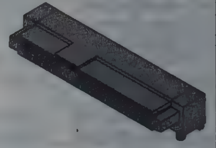
B



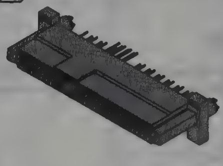
C



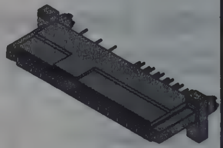
D



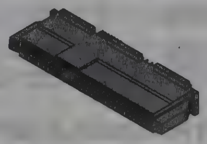
E



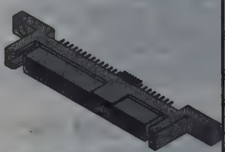
F



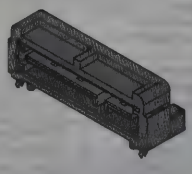
G



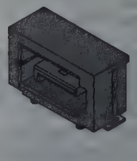
H



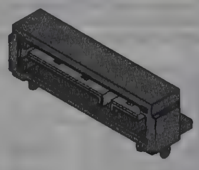
I



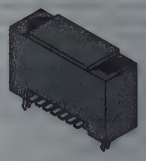
J



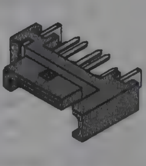
K



L



M



N

FUJITSU microGiGaCN I/O Connectors

microGIGaCN HIGH SPEED I/O CONNECTORS

RoHS Compliant **This page of product is compliant.**

Designed for high speed differential signal applications such as 10G Ethernet, CX4, SAS, and SATA-2 applications. RoHS compliance per Fujitsu documentation.

Features:
- Matched impedance: 100Ω ±10%
- Low insertion loss and low cross talk
- Adopted by InfinBand as 4x (4 channel) and 12x (12 channel) I/O Interface
- Meets Bellcor 1217
- Insulator Material: LCP Resin (UL94V-0)
- Conductor Material: Copper Alloy
- Contact Plating: Gold Plated

Specifications:
- Operating Temperature Range: -55°C to +105°C
- Current Rating: AC 0.5A (signal)
  AC 1A (ground)
- Voltage Rating: AC 30V
- Contact Resistance: 80 mΩ max. (signal)
  35 mΩ max. (ground)
- Insulation Resistance: 1000 MΩ minimum

RoHS Compliant

Socket Connectors

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Polarization Posts	Solder Posts	Price Each			
					1	5	10	25
Latch Style with Alignment Post								
817-FCN-268D008-G1D	FCN-268D008-G/1D	A	- - -	0.063	7.94	7.35	6.73	6.30
Latch Style with Crush Pin Feature								
817-FCN-268D008-G2D	FCN-268D008-G/2D	B	low force	0.063	7.94	7.35	6.73	6.30
817-FCN-268D008-G2F	FCN-268D008-G/2F	B	low force	0.093	7.94	7.35	6.73	6.30
Thumbscrew								
817-FCN-268D008-G20	FCN-268D008-G/20	C	low force	0.063	9.02	8.35	7.64	7.16
817-FCN-268D008-G21	FCN-268D008-G/21	C	low force	0.093	9.02	8.35	7.64	7.16
817-FCN-268D008-G23	FCN-268D008-G/23	C	low force	0.110	9.02	8.35	7.64	7.16
Latch Style w/ Mounting Ears								
817-FCN-268D008-G3LR	FCN-268D008-G/3L-R	D	diamond	0.063	11.60	10.74	9.83	9.21
817-FCN-268D008-G3MR	FCN-268D008-G/3M-R	D	diamond	0.093	11.60	10.74	9.83	9.21
Vertical Latch Style								
817-FCN-264D008-G2D	FCN-264D008-G/2D	E	low force	0.063	11.86	10.98	10.05	9.41
817-FCN-264D008-G2F	FCN-264D008-G/2F	E	low force	0.093	11.86	10.98	10.05	9.41

Plug Cable Assemblies

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Length (meter)	Description	Price Each			
					1	5	10	25
817-FCD-ZZ00015	FCD-ZZ00015	F	0.5	8 pair, 26 AWG, 4x plug assembly	101.42	98.15	96.59	93.62
817-FCD-ZZ00016	FCD-ZZ00016	F	1.0	8 pair, 26 AWG, 4x plug assembly	107.85	104.37	102.71	99.55
817-FCD-ZZ00019	FCD-ZZ00019	F	3.0	8 pair, 26 AWG, 4x plug assembly	133.57	129.26	127.21	123.29
817-FCD-ZZ00021	FCD-ZZ00021	F	5.0	8 pair, 26 AWG, 4x plug assembly	159.25	154.11	151.67	147.00

Loopback Modules

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Number of Pairs	Price Each			
				1	5	10	25
817-FCN-261Z008	FCN-261Z008	G	8	35.72	33.07	30.27	28.35

Hand Tool

Installs single retention clip which is included with the socket.

MOUSER STOCK NO.	Fujitsu Part No.	Price Each
817-FCN-268T-T514H	FCN-268T-T514/H	1129.41

microGiGaCN STACKING MEZZANINE CONNECTORS

Features:
- High speed matched impedance (100Ω) differential signal connector.
- Low cross talk
- Hot pluggable
- RoHS compliance per Fujitsu documentation
- Insulator: LCP Resin (UL94V-0)
- Conductor: Copper Alloy
- Contact Plating: Au over Pd-Ni plated

Specifications:
- Operating Temperature Range: -55°C to +105°C
- Current Rating: AC 0.5A (signal)
  AC 1A (ground)
- Voltage Rating: AC 30V
- Contact Resistance: 80 mΩ max. (signal)
  40 mΩ max. (ground)
- Insulation Resistance: 1000 MΩ minimum

RoHS Compliant

Socket Connectors

For quantities of 50 and up, call for quote.

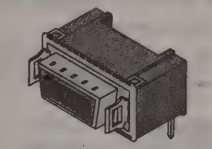
MOUSER STOCK NO.	Fujitsu Part No.	Fig.	No. of Pair Signals	No. of Contacts	Price Each			
					1	5	10	25
Vertical Mount								
817-FCN-268F012-G0D	FCN-268F012-G/0D	H	12	24 Sig/13 Gnd	3.08	2.85	2.61	2.44
817-FCN-268F024-G0D	FCN-268F024-G/0D	H	24	48 Sig/25 Gnd	7.66	7.09	6.49	6.08
817-FCN-268F036-G0D	FCN-268F036-G/0D	H	36	72 Sig/37 Gnd	11.54	10.69	9.78	9.16
Right Angle Mount								
817-FCN-268F012-GBD	FCN-268F012-G/BD	I	12	24 Sig/13 Gnd	7.42	6.87	6.29	5.89

Plug Connectors

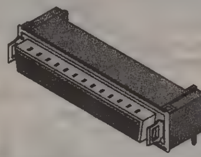
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	No. of Pairs	Stack Height	Price Each			
					1	5	10	25
Vertical Mount								
817-FCN-268M012-G0D	FCN-268M012-G/0D	J	12	8mm	5.94	5.50	5.03	4.71
817-FCN-268M012-G1D	FCN-268M012-G/1D	J	12	10mm	6.46	5.98	5.47	5.13
817-FCN-268M012-G2D	FCN-268M012-G/2D	J	12	12mm	6.68	6.19	5.66	5.30
817-FCN-268M012-G3D	FCN-268M012-G/3D	J	12	14mm	6.92	6.41	5.86	5.49
817-FCN-268M024-G0D	FCN-268M024-G/0D	J	24	8mm	9.32	8.63	7.90	7.40
817-FCN-268M024-G1D	FCN-268M024-G/1D	J	24	10mm	9.78	9.06	8.29	7.76
817-FCN-268M024-G3D	FCN-268M024-G/3D	J	24	14mm	10.68	9.89	9.05	8.48
817-FCN-268M036-G1D	FCN-268M036-G/1D	J	36	10mm	14.00	12.96	11.86	11.11
817-FCN-268M036-G3D	FCN-268M036-G/3D	J	36	14mm	15.38	14.24	13.03	12.21

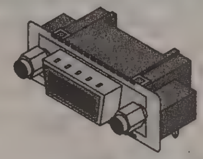
A



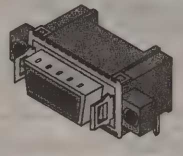
B



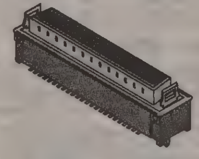
C



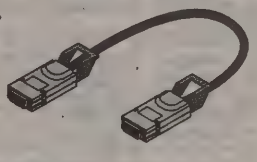
D



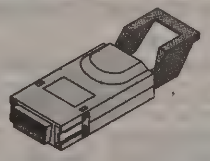
E



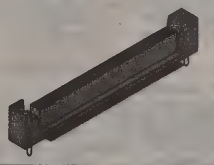
F



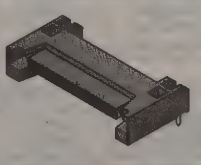
G



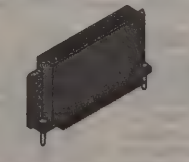
H



I



J



AMP SFP and XFP Connectors

RoHS Compliant This page of product is compliant.

SFP SERIES CONNECTORS AND ACCESSORIES

SFP Connectors

- Voltage: 120 VAC
- Temperature: -55° to 85°C
- Differential Impedance: 100Ω
- Hot Swappable
- RoHS compliant per Tyco Electronics documentation
- Compatible w/ SFP MSA Compliant Modules

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-13670731	1367073-1	A	20 Position, SMT, RoHS, 15μm Gold	1.92	1.73	1.63
571-13670732	1367073-2	A	20 Position, SMT, RoHS, 30μm Gold	3.34	3.01	2.84
571-1658197-1	1658197-1	A	20 Position, SMT, RoHS, 30μm Gold w/ surface treatment	3.20	2.88	2.72
571-1888247-1	1888247-1	A	20 Position, SMT, RoHS, 30μm Gold w/ surface treatment & enhanced contact formation for high speed signal lines	4.24	3.82	3.60

Single Port SFP Cages

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
Standard						
571-6367034-1	6367034-1	B	SFP Lower Cage, SMT Process Compatible	3.18	2.86	2.70
571-6367035-1	6367035-1	C	SFP Upper Cage, SMT Process Compatible	3.18	2.86	2.70
571-1489779-1	1489779-1	D	Single Port, SFP Cage, Press Fit Standard applications	6.04	5.48	3.88
571-1489669-1	1489669-1	D	Single Port, SFP Cage, Press Fit Belly-to-Belly applications	4.69	4.34	4.01
Light Pipe						
571-1367629-1	1367629-1	D	Single Port, SFP Cage, Press Fit with Light Pipe Assembly	9.65	9.43	9.22

Ganged SFP Cages

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
Standard						
571-1761014-1	1761014-1	E	1x2 SFP Cage, Press Fit	6.78	5.20	4.91
571-1658744-1	1658744-1	E	1x4 SFP Cage, Press Fit	14.56	13.87	9.83
571-1761015-1	1761015-1	E	1x6 SFP Cage, Press Fit	19.34	17.61	14.74
Light Pipe						
571-1761007-1	1761007-1	E	1x2 SFP Cage, Press Fit, with Light Pipe Assembly	12.40	11.23	8.96
571-1761008-1	1761008-1	E	1x4 SFP Cage, Press Fit, with Light Pipe Assembly	20.76	19.88	15.95
571-1658939-1	1658939-1	E	1x6 SFP Cage, Press Fit, with Light Pipe Assembly	37.23	29.72	25.89

Stacked SFP Cages

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
Standard						
571-1658391-1	1658391-1	F	2x1 SFP Cage, Press Fit	15.35	14.62	13.16
571-1658390-1	1658390-1	F	2x4 SFP Cage, Press Fit	48.21	36.16	34.15
571-1761327-1	1761327-1	F	2x6 SFP Cage, Press Fit	130.72	126.39	118.39
Low Profile						
571-1658628-1	1658628-1	F	2x1 SFP Cage, Press Fit, Low Profile	12.96	12.34	11.11
571-1658629-1	1658629-1	F	2x4 SFP Cage, Press Fit, Low Profile	40.18	36.16	34.15
571-1658894-1	1658894-1	F	2x6 SFP Cage, Press Fit, Low Profile	64.72	49.25	46.51
Low Profile with Light Pipe						
571-1658859-1	1658859-1	F	2x1 SFP Cage, Press Fit, with Light Pipe Assembly	16.46	14.81	13.99
571-1658758-1	1658758-1	F	2x4 SFP Cage, Press Fit, with Light Pipe Assembly	54.12	45.11	42.60

XFP CONNECTORS AND ACCESSORIES

XFP Connectors

Specifications:

- Fully compliant to XFP MSA
- RoHS compliant per Tyco Electronics documentation

Applications:

- 10 Gigabit Ethernet Switches & Routers
- 10 Gigabit Aggregator ports
- ATM/SONET/SDH (OC-192)

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-788862-1	788862-1	G	30 Position, SMT, 15μm Gold	4.84	4.36	4.11
571-13675001	1367500-1	G	30 Position, SMT, RoHS, 30μm Gold w/ surface treatment & enhanced contact formation for high speed signal lines	6.68	6.01	5.68

XFP Accessories

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1489951-1	1489951-1	H	XFP Press Fit Cage	19.84	16.54	14.06
571-1489948-2	1489948-2	I	XFP Heat Sink Clip	1.22	1.10	1.04
571-1542656-2	1542656-2	J	XFP Heat Sink, PCI Applications	10.82	9.74	9.20
571-1542618-2	1542618-2	J	XFP Heat Sink, SAN Applications	10.82	9.74	9.20

XENPAK/XPAK/X2 CONNECTOR

For quantities of 25 and up, call for quote.

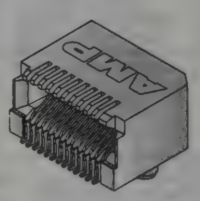
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1367337-1	1367337-1	K	70 Position, SMT, 15μm Gold	8.36	7.52	7.11

X2 GUIDE RAILS

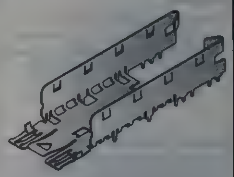
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-1367710-1	1367710-1	L	X2, screw-down, belly-to-belly	28.10	25.29	23.89
571-1367608-1	1367608-1	L	X2, press-fit, belly-to-belly	18.60	16.74	15.81
571-13676101	1367610-1	L	X2, press-fit, standard	18.60	16.74	15.81

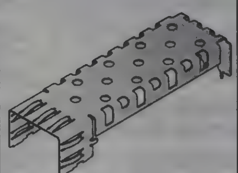
A



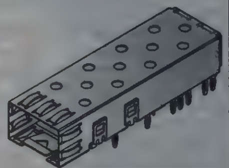
B



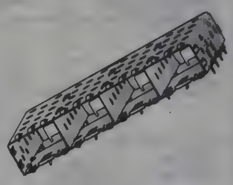
C



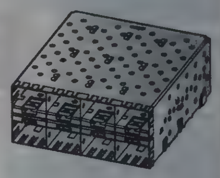
D



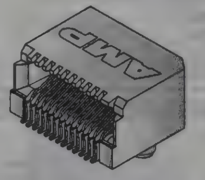
E



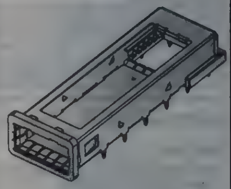
F



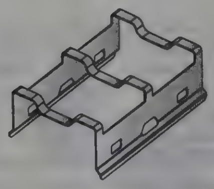
G



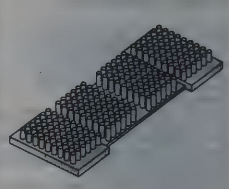
H



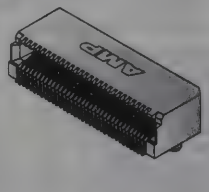
I



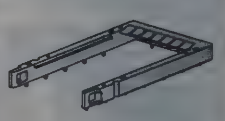
J



K



L



MOLEX 0.8mm Ultra+™ VHDCI & HandyLink™ Connectors

0.8MM ULTRA+™ VHDCI CONNECTOR SYSTEM

Molex's Ultra+™ VHDCI (Very High Density Cable Interconnect) connector system is a leader among the next generation of high-density I/O interconnects. These 68-circuit connectors are designed for high performance memory transfer applications supporting the latest SCSI-style interfaces. They offer greatly increased density compared to existing SCSI connector styles. They are also suited for other high density I/O needs.

Features:

- Blade on beam, bullet nose lead-in
- Meets EIA, ANSI/SFF-8441 and SPI-4
- Shielded
- RoHS Compliant per Molex documentation

Applications:

- Mainframes
- File servers
- RAID (Redundant Arrays of Inexpensive Disks)
- Workstations
- Tape and disk drives
- Applications requiring high-speed memory transfers

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Positions	Description	Price Each 1	5	10	25
IDT Plug: Mates with Receptacles: 71430, 73776, and 74337								
538-71425-3001	71425-3001	A	68	Vertical, shielded	9.41	7.59	6.60	5.78
Receptacles: Mates with Plug: 71425-3001								
538-71430-0004	71430-0004	B	68	Right-angle with enhanced shield	14.16	11.43	9.94	8.70
538-71430-0009	71430-0009	B	68	Right-angle with enhanced shield	14.25	11.50	10.00	8.75
538-71430-0268	71430-0268	B	68	Right-angle without enhanced shield	10.15	8.19	7.12	6.23
538-73776-0201	73776-0201	C	68	Vertical, shielded	18.35	17.43	16.56	15.73
538-74337-0015	74337-0015	D	136	Right-angle, shielded	32.00	29.44	28.25	27.78
538-74337-0054	74337-0054	D	136	Right-angle with enhanced shield	39.60	32.06	27.94	24.51
538-74337-0070	74337-0070	D	136	Right-angle, shielded	32.58	26.28	22.85	21.54

VHDCI FEMALE JACKPOST, M2-BY-0.4MM INTERNAL THREAD

Features:

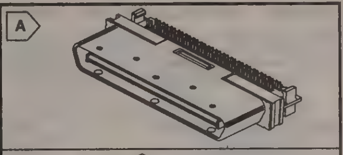
- Material: Hot rolled steel
- Finish: Nickel plate
- RoHS Compliant per Molex documentation

RoHS Compliant

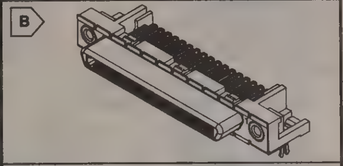
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	50	100	500
538-71433-0002	71433-0002	E	Female jackpost	.69	.58	.52	.46

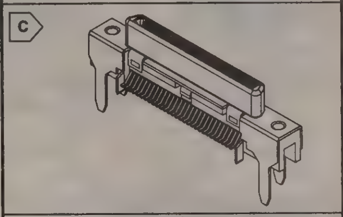
A



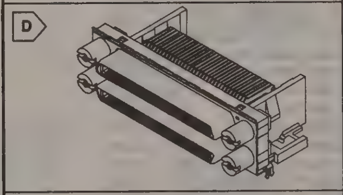
B



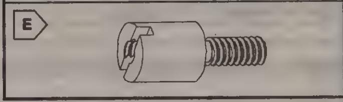
C



D



E



HANDYLINK™ CONNECTORS

Molex's new 0.80mm (.031") pitch HandyLink™ product family of connectors, cable assemblies and accessories offers a perfect solution to any hand-held device, design, or application. The HandyLink™ family includes a right-angle SMT receptacle, a wire and PCB version of the plug, and a perpendicular or parallel mounted cradle connectors for docking applications.

Features:

Receptacle (44828 Series)

- High-temperature thermoplastic housing withstands Lead-free processing
- SMT leads allow population to both sides of PCB
- Low profile height and compact width minimizes size of customer's product
- Insert-molded "sealed" design support various ingress protection requirements
- Overmolded voiding capability provides design flexibility
- 20,000 mating cycles provide the perfect solution for the multiple mating cycles required in hand-held devices

Plugs (45593 and 45339 Series)

- PCB version optimal when used as a mask for overmolding of boot and strain relief
- Wire-version plug incorporates a shelf feature on the solder tails which assists operator in placement and hand soldering of wires
- Integrated latch design inside alignment posts provides protection to latch and prevents wire entanglement during shipment or processing
- First-mate, last break (pins #1 and #16) prevents damage to electrical circuitry when "hot plug" mating
- 22 AWG maximum provides mechanical and electrical cable flexibility
- 20,000 mating cycles provide the perfect solution for the multiple mating cycles required in hand-held devices

Cradle (45560 Series)

- SMT leads and high-temperature thermoplastic housing withstands Lead-free processing
- Latches are integrated into mating alignment posts which provide protection to latch during handling and processing
- Screw mount hold down to PCB provides additional mechanical stability to PCB
- 20,000 mating cycles provide the perfect solution for the multiple mating cycles required in hand-held devices

Specifications:

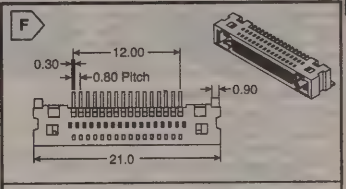
- Voltage: 30 Volts AC/DC max.
- Current: 1.5A continuous (up to 3.0A dependent on circuit configuration)
- Contact Resistance: 50 mΩ
- Dielectric Withstanding Voltage: <5mA
- Insulation Resistance: 100 MΩ min.
- USB 2.0 Compatible
- RoHS Compliant per Molex documentation

RoHS Compliant

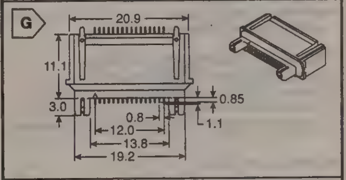
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Description	Price Each 1	10	25	50
538-44828-1162	44828-1162	F	16	SMT Right-Angle Receptacle	2.61	2.42	2.23	1.74
538-45593-1600	45593-1600	G	16	Plug (PCB Version)	3.68	3.42	3.15	2.26
538-45339-1600	45339-1600	H	16	Plug (Wire Termination Version)	3.68	3.42	3.15	2.26
538-45560-0161	45560-0161	I	16	SMT Cradle Connector (Parallel to PCB)	4.77	4.29	3.86	3.47
538-45560-0160	45560-0160	J	16	SMT Cradle Connector (Perpendicular to PCB)	4.13	3.71	3.30	2.97

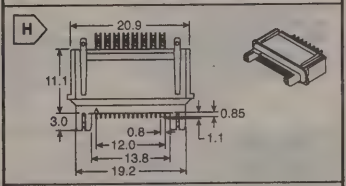
F



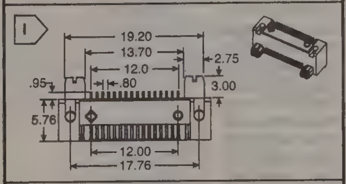
G



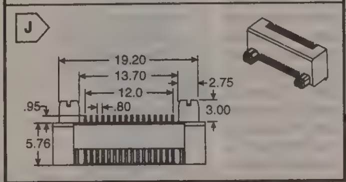
H



I



J



MOLEX Triad™ Differential Pair Connectors & SFP Products

TRIAD™ DIFFERENTIAL PAIR CONNECTORS

Achieve bandwidths up to 5.0 Gbps and beyond and available in 18, 28, and 48 circuit versions with TDP. The innovative TDP (Triad Differential Pair) family uses the Triad design of differential signal and ground lines to achieve optimal bandwidths for cable-to-board interconnections. The shielded, dual row interface offers high-speed and 100-ohm controlled impedance. The TDP family is comprised of a fully shielded receptacle and plug to provide maximum EMI/RFI protection.

RoHS Compliant

Electrical Specifications:

- Voltage: 40V
- Current: 1.5A per contact
- Contact Resistance: 20 mΩ max.
- Dielectric Withstanding Voltage: 500V
- Insulation Resistance: 100 MΩ min.
- Differential Impedance:
  2.5Gbps: 100 ± 10Ω @ 150psec risetime
  5.0Gbps: 100 ± 18Ω @ 75psec risetime

Physical Specifications:

- Housing: Black glass-filled polymer, UL 94V-0
- Contact: Copper Alloy
- Plating: Selective Gold 0.76μm (15μ") min.
- Shield: Deep-drawn Steel
- RoHS Compliant per Molex documentation

Applications:

- LVDS servers, displays, hubs, routers, RAIDS, switches, storage devices, and network products
- InfiniBand interfaces to support one, two or four channels
- TMDS digital displays supporting one, two, or four channel with side channels to support USB, serial ATA, digital audio, IEEE 1394-1995 or other multi-media applications
- Portable DVI devices
- HDTV and other entertainment displays
- Automotive displays

Features and Benefits:

Board Mount Receptacle (74960):

- Inline SMT leads on 0.64mm (.025") pitch provide direct PCB routing
- High cycle LFH shrouded contact system provides two points of contact for optimal signal integrity

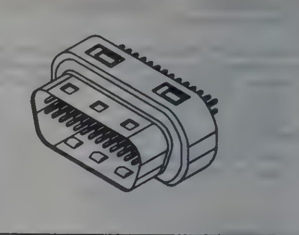
Cable Plug Connector (75000):

- LFH contact design provides shallow mating angle, reducing insertion forces
- Terminates to 24 to 32 AWG high-performance wire through soldering or resistance welding

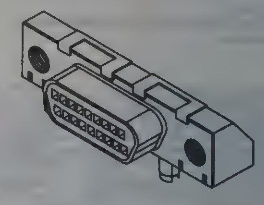
Cable Plug Kit (75115):

- Kit contains two-piece die cast shell and two threaded jackscrews for use with TDP Cable Plug Connector
- Die-cast shell reduces overall labor costs by eliminating internal shielding and overmolding processes
- User-friendly strain eliminates secondary operations
- Ergonomic die-cast shell thumb grip and thumb rest for ease of mating and unmating

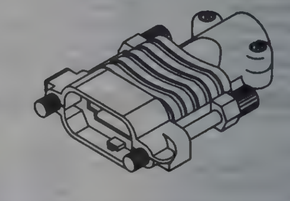
A



B



C



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Circuits	Description	Price Each			
					1	10	25	50
538-75000-1018	75000-1018	A	18	Plug Cable Connector with Carrier Strip	12.32	11.20	10.64	9.52
538-75000-1028	75000-1028	A	28	Plug Cable Connector with Carrier Strip	15.62	14.20	13.49	12.07
538-75000-1048	75000-1048	A	48	Plug Cable Connector with Carrier Strip	17.16	15.60	14.82	13.26
538-74960-2018	74960-2018	B	18	Receptacle Assembly	12.26	11.45	10.90	9.27
538-74960-2028	74960-2028	B	28	Receptacle Assembly	14.92	13.92	13.26	11.27
538-74960-2048	74960-2048	B	48	Receptacle Assembly	17.42	16.25	15.48	13.16
538-75115-0018	75115-0018	C	18	Plug Cable Kit	12.02	11.21	10.57	9.08
538-75115-0028	75115-0028	C	28	Plug Cable Kit	12.24	11.42	10.77	9.25
538-75115-0048	75115-0048	C	48	Plug Cable Kit	13.01	12.14	11.44	9.83

SMALL FORM-FACTOR PLUGGABLE (SFP) PRODUCTS

The SFP system follows the function of the standard Gigabit Interface Converter (GBIC) products, with reduced size and increased data-transfer rates at and beyond two Gigabits per second (Gbps). A multi-sourced, industry-standard product line, our SFP products feature a common design interface for use with multiple data transfer protocols, including Fibre Channel, Gigabit Ethernet, InfiniBand and proprietary links. The system consists of a 20-position SMT connector mounted on the host PCB, enclosed by a low-profile metal cage, engineered to guide and secure a variety of industry-standard mating modules. The pluggable modules include hot-swappable duplex LC optical and HSSDC2 copper transceivers, along with copper patch cables. Other products in the family include the duplex LC optical cable assemblies and a wide selection of HSSDC2 cable assemblies.

Features and Benefits:

HSSDC2 Copper Pluggable Modules (74720):

- Industry standard HSSDC2 interface in pluggable module
- Provides data transmission rates up to 2.5Gbps
- Active and passive versions available
- User-friendly latch for easy installation and replacement

HSSDC2 Copper Cable Assemblies (73939):

- Industry standard HSSDC2 plug interface
- Provides data transmission rates up to 2.5Gbps
- Cable assemblies available in various lengths
- User-friendly latch for easy installation and replacement

SMT Receptacle (74441):

- Alignment posts provide stability for placement on the PCB
- Standoffs allow easy PCB cleaning after soldering
- SMT design provides option for placement on both sides of PCB

Copper Patch Cables (73929):

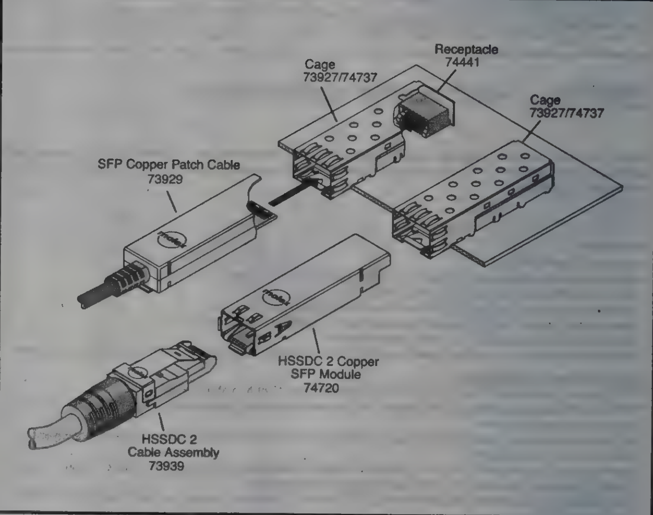
- Cable directly terminated to module for economical pluggable solution
- Provides data transmission rates up to 2.5Gbps
- Cable assemblies available in various lengths
- User-friendly latch for easy installation and replacement

Cages (73927/74737):

- All metal construction for EMI protection
- Two-point spring contacts for optimal EMI grounding
- Chamfered edges on cover facilitate assembly
- Design allows cages to be mounted on opposite sides of PCB for "belly-to-belly" applications

Applications:

- Network Switches
- Routers
- Servers
- Storage Devices
- Network Interface Cards (NICs)
- Host Bus Adapter Cards(HBAs)



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each		
			1	5	10
538-74737-0009	74737-0009	SFP 1 Piece Cage with Press-Fit Tails	3.80	2.90	2.61
538-74737-0010	74737-0010	SFP 1 Piece Cage with Solder Post Tails	4.64	3.54	3.19
538-74737-0016	74737-0016	SFP 1 Piece Cage with Press-Fit Tails, for PCI Applications	4.48	3.42	3.08
538-73927-0401	73927-0401	SFP 1 x 4 Ganged Cage	14.09	13.15	12.39
538-73927-0402	73927-0402	SFP 1 x 4 Ganged Cage Assembly with Solder Posts	14.09	13.15	12.39
538-73929-0001	73929-0001	SFP Copper Patch Cable - Plug-to-Plug, 100ø, 26 AWG, Passive, 1.0m Length	76.16	71.09	67.02
538-73929-0002	73929-0002	SFP Copper Patch Cable - Plug-to-Plug, 100ø, 26 AWG, Passive 3.0m, Length	98.73	92.15	86.88
538-73929-0003	73929-0003	SFP Copper Patch Cable - Plug-to-Plug, 100ø, 26 AWG, Passive, 5.0m Length	121.30	113.21	106.74
538-73939-1001	73939-1001	HSSDC2 Copper Cable Assembly - 0.5m Length	30.76	28.71	27.07
538-73939-1002	73939-1002	HSSDC2 Copper Cable Assembly - 1.0m Length	35.55	33.18	31.28
538-73939-1004	73939-1004	HSSDC2 Copper Cable Assembly - 3.0m Length	64.33	60.04	56.61
538-74720-0202	74720-0202	HSSDC2 Copper Pluggable Modules - Active Transceiver, 150ø, with Serial ID	140.11	130.77	123.30
538-74720-0506	74720-0506	SFP Loopback Adapter - with Serial ID, 5.0dB Attenuation, no caps	56.97	53.17	50.13
538-74720-0505	74720-0505	SFP Loopback Adapter - with Serial ID, 0.0dB Attenuation, no caps	56.97	53.17	50.13
538-74720-0503	74720-0503	SFP Loopback Adapter - with Serial ID, 5.0dB Attenuation	56.97	53.17	50.13
538-74720-0502	74720-0502	SFP Loopback Adapter - with Serial ID, 0.0dB Attenuation	49.91	46.58	43.92
538-74720-0501	74720-0501	SFP Loopback Adapter - with Serial ID, 3.5dB Attenuation	56.97	53.17	50.13
538-74720-0510	74720-0510	SFP EMI Plug	13.03	12.16	11.46
538-74441-0001	74441-0001	SMT Receptacle - Right Angle, 20 Position	4.56	4.11	3.88

MOLEX HDMI Displayport™ and DVI Connectors

molex
one company > a world of innovation

Products may be RoHS compliant.
Check mouser.com for RoHS status.

HDMI CONNECTORS AND CABLE ASSEMBLIES

Molex's new HDMI (High Definition Multimedia Interface) connectors and cable assemblies provide an uncompressed digital link between consumer electronics equipment such as DVD players, set-top boxes and audio/video monitors such as plasma display screens for high-definition TVs. HDMI is a small, user-friendly interconnect that provides up to 5 Gbps of bandwidth to support high-definition video plus multi-channel audio in a single cable.

Features:

- Compact, user-friendly design
- 5 Gbps bandwidth
- HDMI-DVI cables
- Mounting flange
- Signal with coupled ground
- Fully shielded

Specifications:

- 10,000 cycles
- Gold-plated contacts
- Lead-free plating
- Current: 0.5A
- Voltage: 40V

Applications:

- Digital TVs
- Plasma Displays
- LCDs
- Set-Top Boxes
- DVD Players/Recorders
- Audio/Video Receivers
- D-VHS Players
- High Definition Monitors
- TiVo
- Satellite Boxes

Right-Angle PCB Headers

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Description	Price Each 1	10	25	50
538-47151-0001	47151-0001	A	19	Standard Panel Mount, 4 Dimples, No Back Cover	2.23	1.86	1.49	1.42
538-47151-1001	47151-1001	A	19	Standard Panel Mount, 4 Dimples, With Back Cover	2.23	1.86	1.49	1.26
538-47151-0002	47151-0002	B	19	Flange Panel Mount, 4 Dimples, No Back Cover	2.37	1.79	1.60	1.35
538-47151-1002	47151-1002	B	19	Flange Panel Mount, 4 Dimples, With Back Cover	2.45	2.04	1.63	1.49
538-500254-1927	500254-1927	C	19	Standard Panel Mount, 2 Dimples, With Back Cover	4.38	3.65	2.92	2.48
538-500254-1931	500254-1931	D	19	Flange Panel Mount, 2 Dimples, With Back Cover	4.20	3.50	2.80	2.38

Cable Assemblies and Adapters

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.		Description	Price Each 1	5	10	25
Cable Assemblies								
538-88768-9800	88768-9800	E	-	HDMI to HDMI, 28 AWG, 1m (3.3')	14.07	11.73	9.38	7.97
538-88768-9810	88768-9810	E	-	HDMI to HDMI, 28 AWG, 2m (6.6')	15.93	13.28	10.62	9.03
538-88768-9830	88768-9830	E	-	HDMI to HDMI, 28 AWG, 5m (16.4')	30.04	27.03	24.87	22.88
538-88768-3500	88768-3500	F	-	HDMI to DVI, 28 AWG, 1m (3.3')	15.53	12.94	10.35	8.80
538-88768-3510	88768-3510	F	-	HDMI to DVI, 28 AWG, 2m (6.6')	17.85	14.87	11.90	10.11
538-88768-3530	88768-3530	F	-	HDMI to DVI, 28 AWG, 5m (16.4')	24.77	20.64	16.52	14.04
Adapters								
538-88764-2000	88764-2000	G	19	HDMI (Male) to DVI-D (Female)	7.50	6.25	4.99	4.50
538-88764-5900	88764-5900	H	19	HDMI (Female) to P&D (Male)	13.80	11.50	9.20	8.28
538-88767-0600	88767-0600	I	19	HDMI (Female) to DVI-D (Male)	13.20	10.90	8.60	7.68

DISPLAYPORT™ CONNECTORS AND ASSEMBLIES

This next generation DVI connector has the ability to deliver high-definition digital video and audio to the display device.

Features:

- Color: Black
- EMI Shielding
- Latches available
- Meets DisplayPort specification 1.0
- Supports up to 2.7Gbps transfer rate
- Detent locks
- Polarized
- Small footprint

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	5	10	25
538-47272-0001	47272-0001	J	DisplayPort™ Receptacle	5.55	5.27	5.08	4.75
538-68783-0001	68783-0001	K	3 Meter Cable With Latch	41.86	38.52	35.43	32.60
538-68783-0002	68783-0002	K	3 Meter Cable Without Latch	41.77	38.43	35.36	32.52
538-68783-0004	68783-0004	K	15 Meter Cable With Latch, Low Speed	139.47	128.31	121.90	115.80

MICROCROSS DVI (DIGITAL VISUAL INTERFACE) CONNECTOR SYSTEM

Cable Assemblies

Features:

- LFH (Low Force Helix) rugged contacts offer increased cycle life, mechanical reliability and optimal signal integrity.
- Supports up to 1.65 Gbps bandwidth per differential pair for a total of 4.95 Gbps
- Fully shielded against RFI/EMI
- Grounding detents on mating shell
- Positive retention jackscrew: thread 4-40 UNC-2A
- Shielded I/O

Specifications:

- Color: Black
- Length: 2.0 meters or 6.56 ft.
- Current: 3.0A

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	5	10	25
538-88741-8000	88741-8000	L	DVI Digital to DVI Digital Single Link, 24 pos.	29.54	26.58	23.92	21.53
538-88741-8200	88741-8200	L	DVI Analog to DVI Analog, 29 positions	35.90	32.29	28.57	25.11
538-88741-8300	88741-8300	L	DVI Analog to VGA, 29 positions	28.25	26.77	24.09	21.69
538-88741-8600	88741-8600	L	DVI Digital to DFP, 24 positions	32.25	28.12	26.71	24.00

Passive Adapters

Features:

- High cycle, dual beam, LFH (Low Force Helix) contacts
- Polarization achieved by a "D" shaped housing/shield
- Positive retention jackscrew: thread 4-40 UNC 2A&B
- Compact size for space efficiency
- 360 shielding from EMI/RFI
- Shielded I/O

Specifications:

- Voltage: 40V
- Current: 3.0A

RoHS Compliant

For quantities of 50 and up, call for quote.

538-88741-8700	88741-8700	M	DVI Analog Plug to VGA Receptacle, 29 pos.	7.00	5.80	4.64	4.35
538-88741-8800	88741-8800	N	DVI Digital Plug to DFP Receptacle, 24 pos.	12.21	11.59	10.98	10.45
538-88741-9100	88741-9100	O	DVI I Analog Receptacle to VGA Plug, 29 pos.	21.54	19.81	18.23	16.77

HEADERS

DVI-I Digital/Analog Visual Interface Receptacle Headers

Features:

- Supports digital signals
- Plug and play interface
- LHF contact design is rugged and reliable
- Panel mount
- DDWG DVI standard interface
- Supports 4.95 Gbps over a single link and 9.9 Gbps performance over a dual link implementation
- Through hole, PCB

Specifications:

- Rating: UL94V-0
- Voltage: 40V
- Current: 3.0A
- Housing: Thermoplastic, glass filled

RoHS Compliant

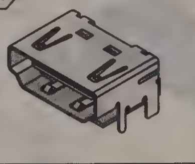
For quantities of 100 and up, call for quote.

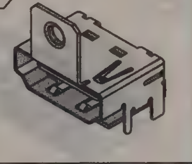
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each 1	10	25	50
538-74320-1004	74320-1004	P	Gold flash, Right Angle, 29 pos.	3.57	3.21	2.89	2.60
538-74320-1000	74320-1000	P	30μ" Gold, Right Angle, 29 pos.	3.68	3.31	2.98	2.65
538-74320-3000	74320-3000	P	30μ" Gold, Vertical, 29 pos.	3.45	3.11	2.86	2.63
538-74320-3004	74320-3004	P	Gold Flash, Vertical, 29 pos.	3.25	2.92	2.63	2.36

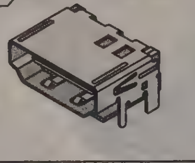
DVI-D Digital Visual Interface Receptacle Headers

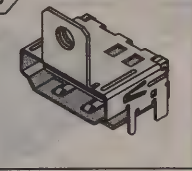
For quantities of 100 and up, call for quote.

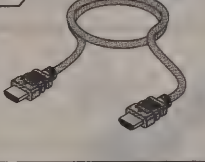
538-74320-4004	74320-4004	Q	Gold flash, Right Angle, 24 pos.	3.29	2.95	2.72	2.58
538-74320-4000	74320-4000	Q	30μ" Gold, Right Angle, 24 pos.	3.65	3.29	3.02	2.78
538-74320-5000	74320-5000	Q	30μ" Gold, Vertical, 24 pos.	3.42	3.08	2.77	2.49
538-74320-5004	74320-5004	Q	Gold Flash, Vertical, 24 pos.	3.05	2.79	2.65	2.51

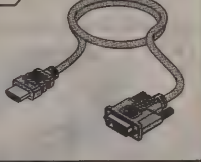
A


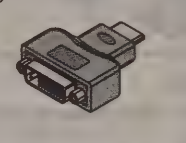
B


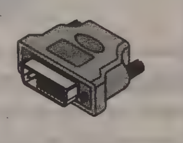
C


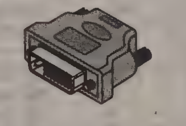
D


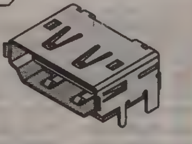
E


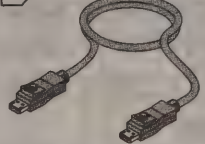
F


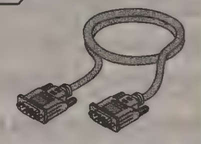
G


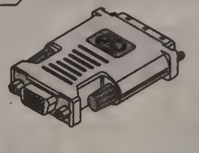
H


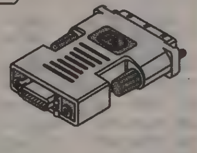
I


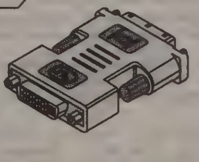
J


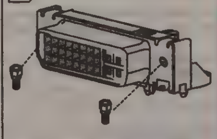
K


L


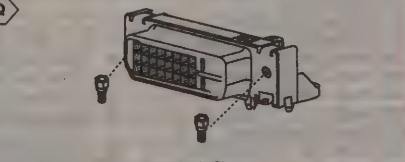
M


N


O


P


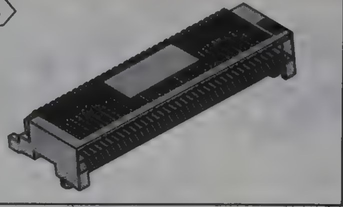
Right Angle Shown

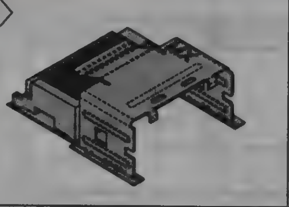
Q


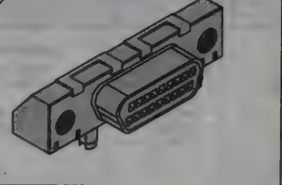
Right Angle Shown

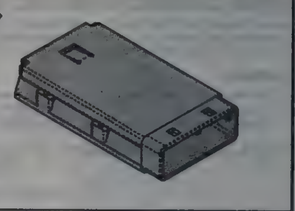
MOLEX iPass™ Connectors and Cable Assemblies

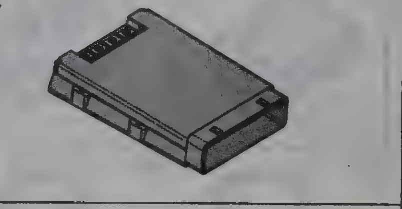
RoHS Compliant **This page of product is compliant.**

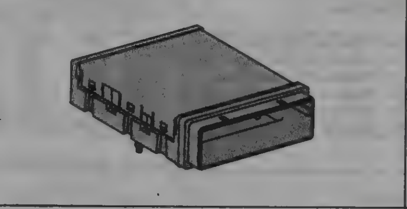
A


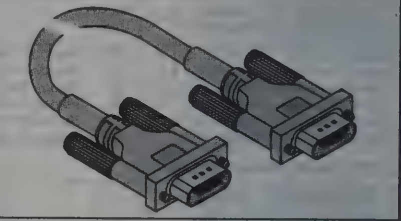
B


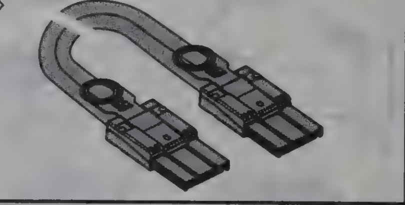
C


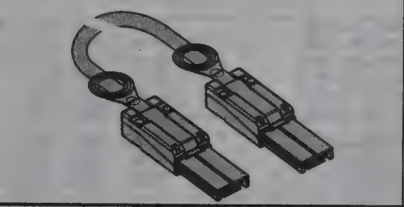
D


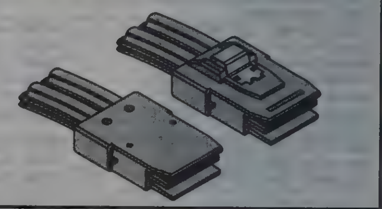
E


F


G


H


I


J


IPASS CONNECTORS

External iPass Connectors (series 75586): The SMT design provides placement options on both sides of the PCB,as well as placements stability. Standoffs allow for easy PCB cleaning after soldering.

Internal iPass Connectors (series 75783):
These 0.80mm (.031") pitch connectors include hood kits for internal applications. Acting as a disposable pick-and-place cap, the pre-positioning device aligns the connector to the hood during robotic placement. It offers 3 keying options.

RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Contact Plating	Pitch	Description	Price Each	
							1	5
For External Applications								
538-75586-0009	75586-0009	A	26	30μ" Gold	0.8mm (.031")	SMT, Right-Angle Receptacle	12.50	11.25
538-75586-0011	75586-0011	A	38	30μ" Gold	0.8mm (.031")	SMT, Right-Angle Receptacle	13.25	12.42
538-75586-0007	75586-0007	A	68	30μ" Gold	0.8mm (.031")	SMT, Right-Angle Receptacle	19.99	17.60
538-75586-0004	75586-0004	A	26	15μ" Gold	0.8mm (.031")	SMT, Right-Angle Receptacle	25.00	20.02
538-75586-0010	75586-0010	A	38	15μ" Gold	0.8mm (.031")	SMT, Right-Angle Receptacle	28.57	25.00
For Internal Applications								
538-75783-0132	75783-0132	B	36	15μ" Gold	0.8mm (.031")	SMT, R/A Receptacle and Thru-hole Hood Kit for Internal Applications, Universal Key, 1.57mm tail	17.50	15.75
538-75783-0140	75783-0140	B	36	15μ" Gold	0.8mm (.031")	SMT, R/A Receptacle and Thru-hole Hood Kit for Internal Applications, Universal Key, 2.79mm tail	17.50	15.75
538-74150-0001	74150-0001	C	18	15μ" Gold	1.27mm (.050")	1X SMT, Right-Angle Receptacle for Internal Applications	14.50	12.65

IPASS GUIDE FRAMES

The guide from gasket delivers improved EMI performance and the die cast frame provides a robust cable-to-chassis interface.
It also features a screw attachment to the PCB, offering a durable I/O connection for large cable bundles during the cable management process

RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each	
				1	5
538-74548-0211	74548-0211	D	Universal 1X Cage, 0 Degree Standard Host Card, Port Keying 4	7.50	6.70
538-74548-0111	74548-0111	D	Universal 1X Cage, 1 Degree PCI Slot Card, Port Keying 4	7.50	6.70
538-74540-0400	74540-0400	E	4X PCIe Cage, 1 Degree PCI Slot Card	6.68	6.01
538-74540-0100	74540-0100	E	8X PCIe Cage, 1 Degree PCI Slot Card	8.25	7.26
538-75581-0002	75581-0002	F	16X Right Angle, Press-Fit, Integrated Cage and Connector Assembly	50.89	49.05

IPASS CABLE ASSEMBLIES

4X External Cable Assemblies (series 74546, 74547, 74576): Its high performance paddle-card design with impedance matching helps reduce crosstalk and provide improved signal integrity. The assembly also features a flexible, low profile, latch-pull mechanism that is easily accessible in high density applications. An EMA gasket seals the plug interface.

RoHS Compliant

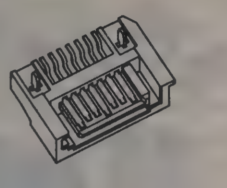
Internal Cable Assemblies (series 79576): The internal cable assemblies can support SAS generation I (3.0 Gbps) and II (6.0 Gbps) bandwidths, as well as SATA generation I (1.5 Gbps) and II (3.0 Gbps) bandwidths. Delivering up to four times the port density of the current 4X offering, the assemblies are overmolded and have an attached direct-wire termination. They provide options for active and passive latch versions, transition cables to legacy SFF-8484 4X SAS interfaces, and breakout cables to individual SATA or SAS drives. The cable assemblies provide 100-ohm differential impedance with tight skew control and low cross talk. They also offer multiple cable lengths as a standard, as well as custom lengths upon request.

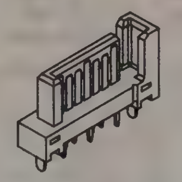
For quantities of 10 and up, call for quote.

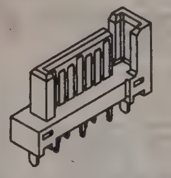
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Contact Plating	Pitch	Standard	Description	Price Each	
								1	5
For External Applications									
538-74576-0001	74576-0001	G	18	15μ" Gold	.64mm (.025")	PCI Express	1X Cable, 28 AWG, 1M (3.3ft.)	33.00	30.00
538-74546-0401	74546-0401	H	38	Gold over Nickel	.8mm (.031")	PCI Express	4X Cable, 28 AWG, 1M (3.3ft.)	123.20	112.00
538-74546-0801	74546-0801	H	68	Gold over Nickel	.8mm (.031")	PCI Express	8X Cable, 28 AWG, 1M (3.3ft.)	191.40	174.00
538-74546-1601	74546-1601	H	136	Gold over Nickel	.8mm (.031")	PCI Express	16X Cable, 28 AWG, 1M (3.3ft.)	312.00	273.00
538-74547-0120	74547-0120	I	26	Gold over Nickel	.8mm (.031")	Mini-SAS	4X Cable, 28 AWG, 1M (3.3ft.)	84.04	76.40
For Internal Applications									
538-79576-2105	79576-2105	J	36	Gold over Nickel	.8mm (.031")	Mini-SAS	4i Cable, Controller to Backplane w/Sidebands, 28 AWG, 1M	13.02	11.98
538-79576-2114	79576-2114	J	36	Gold over Nickel	.8mm (.031")	Mini-SAS	4i Cable, Controller to Backplane w/Sidebands, 30 AWG, 1M	14.58	12.83

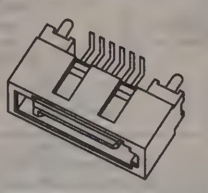
MOLEX Serial ATA Connectors and Cable Assemblies

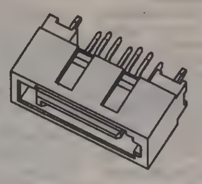
DIMENSIONS: mm

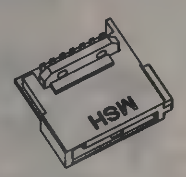
A


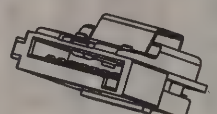
B


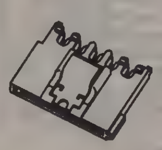
C


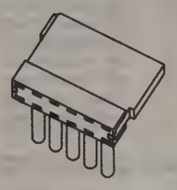
D


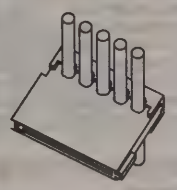
E


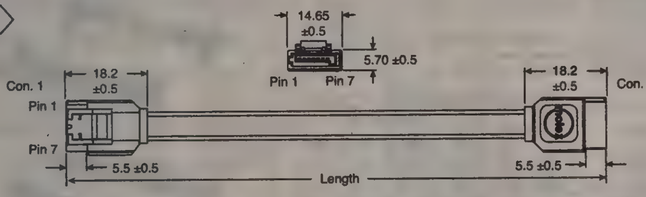
F


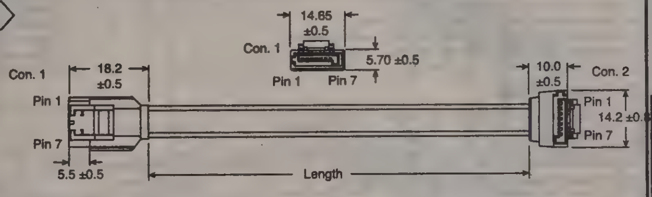
G


H


I


J


K


L


SERIAL ATA CONNECTORS

Along with the digital revolution, the ability to create, store and distribute vast amounts of music data and games is continually driving demand for higher speed, higher capacity storage drives with increasingly smaller form factors. This has opened up new storage applications for Serial ATA as hard disk drives are increasingly being designed into a growing number of HDD-DVD recorders, home servers, multimedia hubs, LCD TVs, digital jukeboxes, HDD-enabled game consoles, audio players and automobile audio visual products.

Locking latches for signal cables have recently been approved by the Serial ATA Working Group. Positive locking latches ensure cables will stay connected. Latching cable receptacles come in both straight and right angle versions. This ensures an easy transition when converting existing designs from Parallel ATA to Serial ATA.

Features:
- First-mate/last-break contacts support hot plugging
- Lead-free product

Specifications:
- Current: 1.5A max.
- Voltage: 15V max.
- Withstanding Voltage: 500V AC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Style	Contact Plating	Pitch	Description	Price Each		
								1	10	25
Mates with 67489 Series										
538-47080-4005	47080-4005	A	7	Right-Angle	15µ" Gold	1.27mm (.050")	SMT Signal Plug, Peg and Locking Latch with solder tab	1.10	.97	.85
538-67490-1225	67490-1225	A	7	Right-Angle	15µ" Gold	1.27mm (.050")	SMT Signal Plug, Peg and Locking Latch with beveled metal pin	1.10	.97	.85
538-67491-0022	67491-0022	B	7	Vertical	15µ" Gold	1.27mm (.050")	High Speed Header, 2.05mm PC Tail Length, thermoplastic housing	1.82	1.60	1.40
538-67491-1032	67491-1032	C	7	Vertical	15µ" Gold	1.27mm (.050")	Hi Spd Header, 2.05mm PC Tail Lgth, PBT Polyester, glass-filled housing	1.05	.92	.81
538-67800-5005	67800-5005	D	7	Vertical	15µ" Gold	1.27mm (.050")	SMT High Speed Header, PCB Locator Pegs	1.10	.97	.85
538-67800-8005	67800-8005	E	7	Vertical	15µ" Gold	1.27mm (.050")	High Speed Header, 2.45mm PC Tail Length	1.43	1.26	1.11
Mates with 47080, 67490, 67491, 67800 Series										
538-67489-1005	67489-1005	F	7	Right-Angle	15µ" Gold	1.27mm (.050")	Signal Connector without Latch	.99	.87	.77
538-67489-8005	67489-8005	F	7	Vertical	15µ" Gold	1.27mm (.050")	Signal Connector without Latch	.99	.87	.77
538-67489-0005	67489-0005	G	7	Right-Angle	15µ" Gold	1.27mm (.050")	Signal Connector with Latch	1.32	1.16	1.02
538-67489-9005	67489-9005	G	7	Vertical	15µ" Gold	1.27mm (.050")	Signal Connector with Latch	1.32	1.16	1.02
Use with 67926-0040 and 67926-0041; 18 AWG Wire Size										
538-67926-0001	67926-0001	H	5	Right-Angle	Gold Flash	3.81mm (.150")	IDT Power Receptacle with Latch, without Bump	1.40	1.24	1.08
538-67926-0011	67926-0011	H	5	Right-Angle	Gold Flash	3.81mm (.150")	IDT Power Receptacle with Bump, without Latch	1.21	1.07	.94

Covers: Use with 67926-0001 and 67926-0011

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Positions	Description	Price Each		
					1	10	25
538-67926-0040	67926-0040	I	5	Cover for Serial ATA IDT Power Receptacle, Feed-Through Type	.24	.21	.19
538-67926-0041	67926-0041	J	5	Cover for Serial ATA IDT Power Receptacle, Feed-Through Type	.24	.21	.19

SERIAL ATA CABLE ASSEMBLIES

Locking latches for signal cables have recently been approved by the Serial ATA Working Group. Positive locking latches ensure cables will stay connected.

Features:
- High speed data transfer. Generation 2 (300 MBps)
- Device can be hot swapped without shutting down or restarting the system.
- Plug and Play under Windows® 98 Second Edition, Windows® Me, Windows® 2000 and Windows® XP.
- Built-in RAID support.
- User-friendly latch provides secure mating.

Specifications:
- Wire Size: 26 AWG
- Contact: Copper (Cu) Alloy
- Plating Contact: 0.76µm (30µ") Gold (Au)
- Color: Red
- Current: 1.5A max.
- Voltage: 40V max

RoHS Complian

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Length (meter)	Pitch	Description	Price Each		
						1	10	25
538-68561-0014	68561-0014	K	0.5	1.27mm (.050")	Serial ATA Straight Latching to Straight Latching Signal Cable	2.19	1.97	1.77
538-68561-0015	68561-0015	K	1.0	1.27mm (.050")	Serial ATA Straight Latching to Straight Latching Signal Cable	2.48	2.23	1.98
538-68561-0016	68561-0016	L	0.5	1.27mm (.050")	Serial ATA Straight Latching to Right Angle Latching Signal Cable	2.54	2.28	2.06
538-68561-0017	68561-0017	L	1.0	1.27mm (.050")	Serial ATA Straight Latching to Right Angle Latching Signal Cable	2.72	2.39	2.15

3M™ SAS / SATA Connectors and Cable Assemblies

RoHS Compliant **This page of product is compliant.**

MINI SERIAL ATTACHED SCSI (MINISAS) CONNECTORS - .8MM

Features:
- 6 Gb/s input/output connector for server applications
- Meets SFF-8086 Specification
- Meets SAS Specification, SAS-1.1
- RoHS Compliant per 3M™ documentation

Specifications:
- Material: High Temperature Thermoplastic
- Current Rating: Per Contact: 0.5A
- Insulation Resistance: 10^3 MΩ min

NEW! TECHNOLOGY

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Type	Plating	Price Each			
						1	25	50	100
517-8A26-2030-LJ	8A26-2030-LJ	A	26P Receptacle	Right Angle, Surface Mount	30μ" Gold	4.29	3.71	3.34	3.01
517-8C26-14000	8C26-14000	A	26P External EMI Cage	1 X 1, Key 4	30μ" Nickel	3.29	2.90	2.55	2.34
517-8C26-24400	8C26-24400	A	26P External EMI Cage	1 X 2, Key 4 & 4	30μ" Nickel	4.56	4.03	3.53	3.24
517-8A36-1030-LJ	8A36-1030-LJ	B	36P Receptacle	Vertical, Surface Mount	30μ" Gold	4.55	3.92	3.49	3.14
517-8B36-1410	8B36-1410	B	36P Internal Shell	Vertical, Dual Key, Press Fit	30μ" Gold	.75	.70	.60	.55
517-8B36-1420	8B36-1420	B	36P Internal Shell	Vertical, Dual Key, Thru Hole	30μ" Gold	.75	.70	.60	.55
517-8A36-2030-LJ	8A36-2030-LJ	C	36P Receptacle	Right Angle, Surface Mount	30μ" Gold	4.55	3.93	3.51	3.17
517-8B36-2411	8B36-2411	C	36P Internal Shell	Right Angle, Dual Key, Press Fit	30μ" Gold	.75	.70	.60	.55
517-8B36-2421	8B36-2421	C	36P Internal Shell	Right Angle, Dual Key, Thru Hole	30μ" Gold	.75	.70	.60	.55
517-8AB36-1420-LJ	8AB36-1420-LJ	-	Combo Receptacle	Vertical, Dual Key, Thru Hole	30μ" Gold	4.80	4.61	4.22	3.84
517-8AB36-2421-LJ	8AB36-2421-LJ	-	Combo Receptacle	Right Angle, Dual Key, Thru Hole	30μ" Gold	4.80	4.61	4.22	3.84

SERIAL ATTACHED SCSI (SAS) CONNECTORS - 1.27MM

Features:
- Up to 300 MB/sec (3.0Gbs) data transfer rates, 2x(6.0 Gbs) and 4x(12.0Bgx) Roadmap
- EMLB for Hot Swap Requirements
- Backward compatible with existing SCSI software
- Polarization and alignment guides for Blind Mate requirements
- Meets SFF-8482 Specification and SAS Specifications, SAS-1.1
- RoHS Compliant per 3M™ documentation

Specifications:
- 1600mV Low Voltage Signal
- Material: High Temperature Thermoplastic
- Flammability: UL 94V-0
- Current Rating: Power Pin- 1.5A; Signal Pin- 500mA
- Withstanding Voltage: 500VAC at sea level
- Operating Temperature: 0°C to +55°C

RoHS Compliant

29 Position Plugs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Type	Plating	Price Each			
						1	25	50	100
517-SBH-ST-29-SA-ML	SBH-ST-29-SA-ML	D	Straddlemount Right Angle Plug	Thru-Hole	30μ" Gold	2.91	2.45	2.35	2.17
517-SBH-ST-29-SM-ML	SBH-ST-29-SM-ML	E	Vertical Plug	Surface Mount	30μ" Gold	2.91	2.45	2.35	2.17

29 Position Receptacles

For quantities of 200 and up, call for quote.

517-SBR-EV-29-P-ML	SBR-EV-29-P-ML	F	Elevated Vertical Receptacle	Thru-Hole	30μ" Gold	2.91	2.45	2.35	2.17
517-SBR-ST-29-P-ML	SBR-ST-29-P-ML	F	Press-fit Vertical Receptacle	Thru-Hole	30μ" Gold	2.94	2.45	2.38	2.19
517-SBR-RA-29-S-ML	SBR-RA-29-S-ML	G	Boardmount Right Angle Receptacle	Thru-Hole	30μ" Gold	2.91	2.45	2.35	2.17

SERIAL ATA (SATA) CONNECTORS - 1.27MM

RoHS Compliant

Features:
- Created for Hard Disk Drive (HDD) Storage Interface
- Up to 300 MB/sec (3.0 Gbs) Data Transfer Rates
- EMLB for Hot Swap Requirements
- Backward compatible with existing ATA software
- Polarization and Alignment Guides for Blind Mate Requirements
- Meets SATA Specification 1.0a
- RoHS Compliant per 3M™ documentation

Specifications:
- 250 mV Low Voltage Signal
- Serialized, Differential pair Signal
- Material: High Temperature Thermoplastic
- Flammability: UL 94V-0
- Current Rating: 1.5A
- Withstanding Voltage: 500VAC at sea level
- Operating Temperature: 0°C to +55°C

7 Position Plugs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Type	Plating	Price Each			
						1	25	50	100
517-5607-4200-SH	5607-4200-SH	H	Right Angle Signal Plug	Surface Mount	Gold Flash	.38	.30	.26	.21
517-5607-5102-SH	5607-5102-SH	H	Boardmount PTH Vertical	Thru-Hole	Gold Flash	.52	.39	.31	.28

22 Position Plugs

For quantities of 200 and up, call for quote.

517-5622-4100-ML	5622-4100-ML	I	Right Angle Device Plug	Thru-Hole	30μ" Gold	2.09	1.61	1.41	1.13
517-5622-6306-ML	5622-6306-ML	I	Straddlemount	Thru-Hole	30μ" Gold	1.98	1.51	1.35	1.08

22 Position Receptacles

For quantities of 200 and up, call for quote.

517-5622-1200-ML	5622-1200-ML	J	Right Angle Host Receptacle	Surface Mount	30μ" Gold	2.27	1.74	1.55	1.22
517-5622-2222-ML	5622-2222-ML	J	Vertical Host Receptacle	Surface Mount	30μ" Gold	2.18	1.66	1.45	1.20
517-5622-2103-ML	5622-2103-ML	J	Vertical Host Receptacle Elevated	Thru-Hole	30μ" Gold	2.18	1.66	1.45	1.20
517-5622-2603-ML	5622-2603-ML	J	Vertical Pressfit Elevated	Thru-Hole	30μ" Gold	2.27	1.75	1.55	1.24

SERIAL ATA (SATA) POWER CABLE ASSEMBLY

Features:
- Rugged over-molded construction provided in standard lengths
- Supports 3.3V, 5V or 12V applications
- "Y" type supports multiple devices
- Meets SATA Specification 1.0a
- RoHS Compliant per 3M™ documentation

Specifications:
- Material: High Temperature Thermoplastic
- Flammability: UL 94V-0
- Current Rating: 4.5A
- Withstanding Voltage: 100V
- Operating Temperature: 0°C to +55°C

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each			
				1	5	10	25
517-5601-22-127-200	5601-22-127-200	K	15 Position "Y" Configuration Molded Cable - 8 inch	3.63	3.35	2.81	2.65

SERIAL ATA (SATA) 7 POSITION SIGNAL CABLE ASSEMBLIES

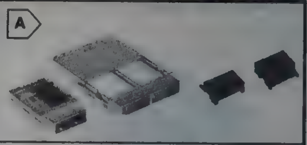
Features:
- Multiple variations in length and interface attachments
- Point-to-point signaling
- 26 AWG stranded differential pairs
- Meets SATA Specification 1.0a
- RoHS Compliant per 3M™ documentation

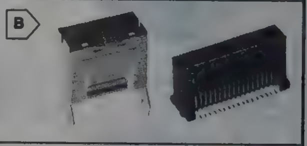
Specifications:
- Material: High Temperature Thermoplastic
- Flammability: UL 94V-0
- Withstanding Voltage: 500VAC at sea level
- Current Rating: 1.5A
- Operating Temperature: 0°C to +55°C

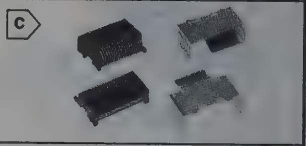
RoHS Compliant

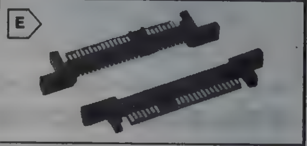
For quantities of 50 and up, call for quote.

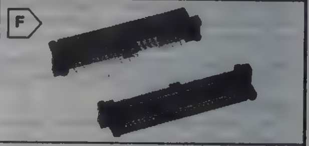
MOUSER STOCK NO.	3M Part No.	Fig.	Description	Length	Price Each			
					1	5	10	25
517-5602-1101	5602-1101	L	Right Angle to Right Angle	.5 Meter	2.47	2.25	1.91	1.86
517-5602-1102	5602-1102	L	Right Angle to Right Angle	1 Meter	2.75	2.55	2.13	1.99
517-5602-2101	5602-2101	L	Straight to Right Angle	.5 Meter	2.55	2.25	1.85	1.65
517-5602-2102	5602-2102	L	Straight to Right Angle	1 Meter	2.76	2.35	1.94	1.84
517-5602-2201	5602-2201	L	Straight to Straight	.5 Meter	2.47	2.25	1.91	1.84
517-5602-2202	5602-2202	L	Straight to Straight	1 Meter	2.75	2.45	2.12	1.95

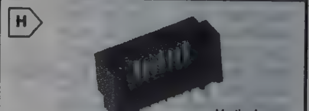












Vertical Plug Shown

Straddlemount Plug Shown

Vertical Receptacle Shown

FCI SATA, SAS, HDMI, and USB Connectors

RoHS Compliant **This page of product is compliant.**

SERIAL ATA (SATA) COMBO RECEPTACLES

- High density serial data transmission at 1.5 to 3.0 Gb/sec.
- Compliant with SATA 1.0a standard
- Signal and power combined device I/O
- 2 differential pairs signal (7 pins)
- 3 different voltage levels of power (15 pins)
- Combined signal/power receptacle for direct device plug-up
- Guide pegs for blind mate
- First-Make-Last-Break for hot plugging capability
- No. of Positions: 22

- Temperature Range: 260°C max for 10 seconds
- Color: Black
- Contact Material: Cu Alloy
- Contact Resistance: 15 mΩ Max
- Current Rating: 1.5 A @ 30°C
- Voltage Rating: 500 VAC
- Durability: 500 Mating Cycles
- Housing Material: Thermoplastic UL94V-0
- Insulation Resistance: 1000 MΩ Min

- RoHS Compliant per FCI documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	Contact Plating	Retention Feature	Price Each			
						1	25	50	100
Vertical Inline Receptacles									
649-10017660-001LF	10017660-001LF	A	Through Hole	12μ" Gold	ForkLock/Harpoon	2.82	2.56	2.44	2.31
649-10029065-001LF	10029065-001LF	A	Surface Mount	12μ" Gold	SMT Pad	2.07	1.88	1.79	1.69
649-10045103-001LF	10045103-001LF	A	Surface Mount	12μ" Gold	Peg for Rivet	4.50	4.09	3.88	3.68
649-10022676-001LF	10022676-001LF	A	Press Fit	12μ" Gold	ForkLock/Harpoon	2.82	2.56	2.44	2.31
649-10043820-001LF	10043820-001LF	A	Cable Solder Tab	30μ" Gold	Back Cover/Overmold	2.17	1.97	1.87	1.78
Vertical Power Staggered Receptacles									
649-10017660-002LF	10017660-002LF	A	Through Hole	12μ" Gold	ForkLock/Harpoon	5.99	5.44	5.17	4.90
649-10022676-002LF	10022676-002LF	A	Press Fit	12μ" Gold	ForkLock/Harpoon	3.65	3.32	3.15	2.99
Right Angle Inline Receptacles									
649-10031569-001LF	10031569-001LF	B	Surface Mount	12μ" Gold	ForkLock	1.50	1.36	1.29	1.22
649-10029364-001LF	10029364-001LF	B	Surface Mount	30μ" Gold	ForkLock/Harpoon	2.31	2.10	2.00	1.89
649-10034814-001LF	10034814-001LF	B	Surface Mount	30μ" Gold	ForkLock/Harpoon	4.61	4.19	3.98	3.77

SERIAL ATTACH SCSI (SAS) CONNECTORS

- High density serial data transmission at 1.5 to 3.0 Gb/sec.
- Dual port signal and power combined disk drive device I/O
- 2 differential pairs per port
- 3 different voltage levels of power (15 pins)
- Combined signal/power receptacle for direct device plug-up
- Guide pegs for blind mate
- First-Make-Last-Break for hot plugging capability
- No. of Positions: 29

- Temperature Range: 260°C max for 10 seconds
- Color: Black
- Contact Material: Cu Alloy
- Contact Resistance: 15m Ohms Max
- Current Rating: 1.5 A @ 30°C
- Voltage Rating: 500 VAC
- Durability: 500 Mating Cycles
- Housing Material: Thermoplastic UL94V-0
- Insulation Resistance: 1000M Ohms Min

- RoHS Compliant per FCI documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

Vertical Plugs									
649-10031193-001LF	10031193-001LF	C	Surface Mount	12μ" Gold	SMT Pad	1.62	1.48	1.41	1.34
649-10041724-001LF	10041724-001LF	C	Surface Mount	12μ" Gold	SMT Pad	1.99	1.81	1.72	1.63
649-10045105-001LF	10045105-001LF	C	Surface Mount	12μ" Gold	Peg for Rivet	3.09	2.81	2.67	2.53
649-10023060-001LF	10023060-001LF	C	Surface Mount	12μ" Gold	Straddle Mount	1.89	1.72	1.63	1.55
Right Angle Plug									
649-10034524-001LF	10034524-001LF	C	Surface Mount	12μ" Gold	ForkLock/Harpoon	1.81	1.64	1.56	1.48
Vertical Receptacles									
649-10018182-001LF	10018182-001LF	D	Through Hole	30μ" Gold	ForkLock/Harpoon	1.13	1.03	.98	.93
649-10018182-011LF	10018182-011LF	D	T/H - Std Longer Tail	30μ" Gold	ForkLock/Harpoon	3.78	3.44	3.27	3.09
649-10031567-001LF	10031567-001LF	D	Surface Mount	30μ" Gold	SMT Pad	4.54	4.13	3.92	3.71
649-10031077-003LF	10031077-003LF	D	Press Fit - Std Tail	30μ" Gold	ForkLock/Harpoon	4.54	4.13	3.92	3.71
*649-10040812-001LF	10040812-001LF	D	Press Fit - 4 Lane	30μ" Gold	ForkLock/Harpoon	7.76	7.05	6.70	6.35
649-10031077-001LF	10031077-001LF	D	Press Fit	30μ" Gold	ForkLock/Harpoon	2.03	1.84	1.75	1.66
649-10031077-011LF	10031077-011LF	D	P/F - Std Longer Tail	30μ" Gold	ForkLock/Harpoon	4.54	4.13	3.92	3.71
649-10036312-001LF	10036312-001LF	D	Hybrid Inline	30μ" Gold	ForkLock/Harpoon	3.78	3.44	3.27	3.10
649-10038334-001LF	10038334-001LF	D	Extended Height SMT	30μ" Gold	SMT Pad	6.73	6.12	5.81	5.51
Vertical Wide Base Receptacles									
649-10045782-001LF	10045782-001LF	D	Press Fit Staggered	30μ" Gold	Peg	4.65	4.22	4.01	3.80
649-10036876-003LF	10036876-003LF	D	Hybrid Staggered	30μ" Gold	Blade	7.01	6.37	6.05	5.73
649-10036876003CLF	10036876-003CLF	D	Hybrid Staggered	30μ" Gold	Blade + Cap	4.16	3.78	3.59	3.40
649-10036876-013LF	10036876-013LF	D	Hybrid Staggered	30μ" Gold	Blade	3.98	3.62	3.44	3.26
649-10036876013CLF	10036876-013CLF	D	Hybrid Staggered	30μ" Gold	Blade + Cap	3.98	3.62	3.44	3.26
Right Angle Receptacles									
649-10035202-001LF	10035202-001LF	E	Surface Mount	30μ" Gold	ForkLock/Harpoon	4.54	4.13	3.92	3.71
649-10036587-001LF	10036587-001LF	E	Surface Mount	30μ" Gold	Blade 4x	2.89	2.63	2.50	2.37

* 32 positions

HDMI CONNECTORS

- Type A receptacle meets HDMI spec1.1
- Metal shield for better EMI
- Speed to 5Gpbs uncompressed single transmit rate
- Backward compatible with DVI
- Low impedance mismatch
- No. of Positions: 19

- Contact Base Material: Copper alloy
- Contact Resistance: 30Ω max.
- Voltage Rating: 40 VAC max.
- Durability: 10,000 mating cycles
- Housing Material: High-temp resin
- Insulation Resistance: 100 MΩ

- RoHS Compliant per FCI documentation
- Withstanding Voltage: 500 VAC
- Color: Black
- Operating Temperature: -55°C to +85°C
- Solder Tail Plating: Pure Sn
- Recommended PCB thickness: 1.6mm
- Contact Current Rating: 0.5A min.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	Contact Plating	Mounting Flange	Price Each			
						1	25	50	100
649-10029449-001RLF	10029449-001RLF	F	Surface Mount	30μ" Gold	No	2.45	2.23	2.11	2.00
649-10029449-002TLF	10029449-002TLF	G	Surface Mount	30μ" Gold	Yes	2.55	2.32	2.20	2.09

USB CONNECTORS

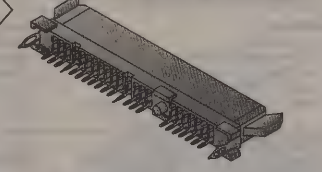
- USB 2.0 compliant, speed to 480 Mb/sec

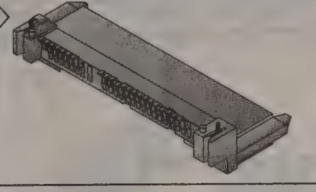
- RoHS Compliant per FCI documentation
- Housing Material: Glass fiber filled thermoplastic, UL94V-0

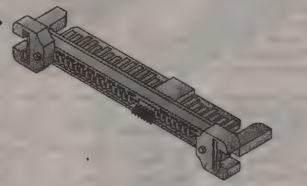
RoHS Compliant

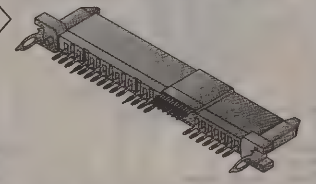
For quantities of 200 and up, call for quote.

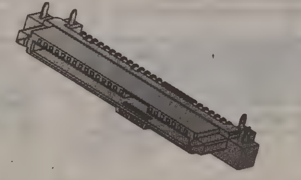
MOUSER STOCK NO.	FCI Part No.	Fig.	Termination	USB Style	Housing Color	Price Each			
						1	25	50	100
Straight Plug Kits									
649-74233-100LF	74233-100LF	H	–	Type A Power	Teal	9.74	8.85	8.41	7.97
649-74233-101LF	74233-101LF	H	–	Type A Power	Teal	9.74	8.85	8.41	7.97
649-74233-102LF	74233-102LF	H	–	Type A Power	Teal	9.74	8.85	8.41	7.97
Right Angle Receptacles									
649-55917-501LF	55917-501LF	I	Through Hole	Type A Power	Teal	4.30	3.91	3.72	3.52
649-72309-8034BLF	72309-8034BLF	–	Through Hole	Type A	White	.75	.69	.65	.62
649-87520-0010BLF	87520-0010BLF	–	Through Hole	Type A	White	.42	.38	.36	.34
649-61729-0010BLF	61729-0010BLF	–	Through Hole	Type B	White	.52	.47	.45	.43
Flag Type Receptacle									
649-73725-0110BLF	73725-0110BLF	–	Through Hole	Type A	White	.50	.46	.44	.41

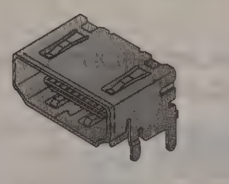
A


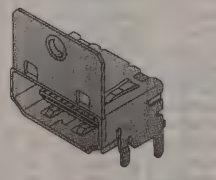
B


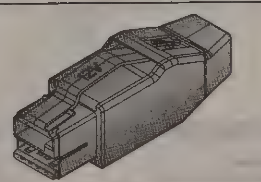
C


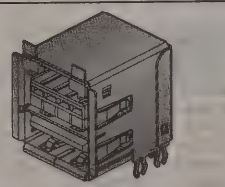
D


E


F


G


H


I


AMP Fiber Optic Connectors

RoHS Compliant **This page of product is compliant.**

ST CONNECTORS

Features:
- Kit Packaging
- Ferrule Material: Ceramic
- Body Material: Nickel Plated Brass
- Nominal Fiber Size: 126
- Epoxy Type: Pre-radiused Ferrule Finish

Singlemode Specifications:
- Insertion Loss: 0.3 dB typical
- Return Loss: <-40 dB typical
- Durability: 200 cycles

Multimode Specifications:
- Insertion Loss: <0.3 dB typical
- Durability: 500 cycles

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Connector Type	Jacket Size	Price Each			
						1	25	50	100
571-5502580-2	5502580-2	A	Singlemode	Short/Yellow	3.0 mm (900μm, 2.4mm)	4.60	4.14	3.91	3.68
571-5501380-1	5501380-1	A	Multimode	Bare Buffer/Black	3.0 mm (900μm, 2.4mm)	4.80	4.32	4.08	3.84

SC CONNECTORS

Features:
- Kit Packaging
- Ferrule Material: Ceramic
- Body Material: Plastic
- Nominal Fiber Size: 126

Singlemode Specifications:
- Insertion Loss: 0.2 dB typical
- Return Loss: <-59 dB typical
- Temperature Range: -40°C to +85°C
- Durability: 200 cycles

Multimode Specifications:
- Insertion Loss: <0.2 dB typical
- Temperature Range: -40°C to +85°C
- Durability: 500 cycles

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Connector Type	Jacket Size	Price Each			
						1	25	50	100
571-5504646-7	5504646-7	B	Singlemode	Simplex	3.0mm	4.80	4.32	4.08	3.84
571-5503948-5	5503948-5	B	Multimode	Simplex	3.0mm	4.20	3.78	3.57	3.36

LC CONNECTORS

Features:
- Kit Packaging
- Epoxy, polish connectors
- Ferrule Material: Ceramic
- Maximum jacket diameter: 3.0mm

Specifications:
- Insertion Loss: 0.2 dB typical
- Return Loss: <-58 dB typical
- Temperature Range: -40°C to +75°C
- Durability: 500 cycles

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Connector Type	Jacket Size	Price Each			
						1	25	50	100
571-6588707-1	6588707-1	C	Multimode, Beige	Duplex	1.6-20mm	9.90	8.91	8.42	7.92
571-6588708-1	6588708-1	C	Multimode, Beige	Duplex	900μm	9.50	8.55	8.08	7.60

COUPLING RECEPTACLES / ADAPTERS FOR ST, SC, AND LC SERIES

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Description	Housing Color	Price Each			
						1	25	50	100
571-501381-1	501381-1	D	ST Multimode	Polymer Alignment Sleeve	-	1.89	1.47	1.26	1.18
571-5040211	504021-1	D	ST Single/Multimode	Metal Alignment Sleeve	-	2.23	1.73	1.48	1.38
571-5027501	502750-1	D	ST Single/Multimode	Zirconia Ceramic Alignment Sleeve	-	4.21	3.27	2.80	2.61
571-5502632-8	5502632-8	E	SC Simplex Plastic	Flange, Metal Alignment Sleeve	Blue	3.98	3.58	3.38	3.18
571-5502632-9	5502632-9	E	SC Simplex Plastic	Flange, Metal Alignment Sleeve	Beige	3.98	3.58	3.38	3.18
571-5502776-8	5502776-8	F	SC Duplex Plastic	Flange, Metal Alignment Sleeve	Blue	5.50	4.95	4.68	4.40
571-5502776-9	5502776-9	F	SC Duplex Plastic	Flange, Metal Alignment Sleeve	Beige	5.50	4.95	4.68	4.40
571-6457567-4	6457567-4	G	LC Duplex Plastic	Flange, Ceramic Alignment Sleeve	Blue	7.58	6.82	6.44	6.06
571-6457567-5	6457567-5	G	LC Duplex Plastic	Flange, Ceramic Alignment Sleeve	Beige	7.58	6.82	6.44	6.06
571-6457567-6	6457567-6	G	LC Duplex Plastic	Flange, Ceramic Alignment Sleeve	Green	7.58	6.82	6.44	6.06
571-6457567-8	6457567-8	G	LC Duplex Plastic	Flange, Metal Alignment Sleeve	Beige	6.58	5.92	5.59	5.26

OPTIMATE® DNP (DRY NON-POLISH) CONNECTORS

Features:
- Insertion Loss: 2.0 dB
- Temperature Range: -40°C - 60°C
- Insertion Force: 13.34N (3 lb.)
- Durability: 150 cycles
- Flex Cycles: 10

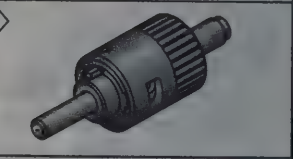
RoHS Compliant

For quantities of 250 and up, call for quote.

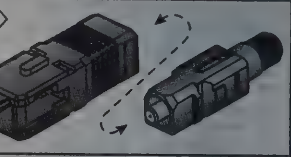
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	25	50	100
571-2280871	228087-1	H	Single Position Plug Assembly	.82	.76	.71	.67
571-228043-1	228043-1	I	Single Position Device Mounts	.74	.71	.67	.63
571-228042-1	228042-1	J	Single Position Bulkhead Receptacle	1.30	1.24	1.17	1.11
571-228088-1	228088-1	K	Dual Position Plug Assembly	1.84	1.75	1.66	1.57
571-228045-1	228045-1	L	Dual Position Bulkhead Receptacle	1.34	1.28	1.21	1.14
571-2280461	228046-1	-	Plastic Fiber Splice and Retention Clip	.22	.18	.16	.15

Only Connector Assembly Shown

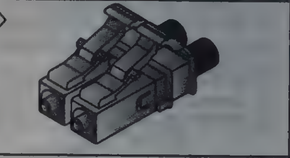
A



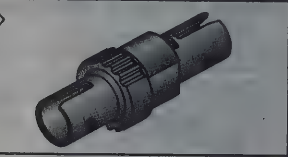
B



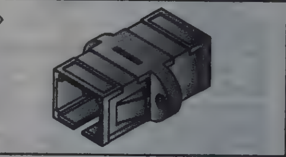
C



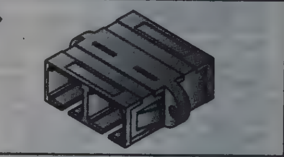
D



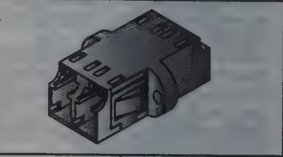
E



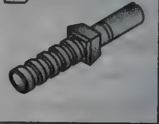
F



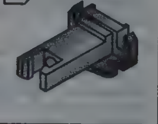
G



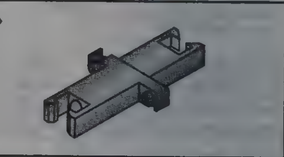
H



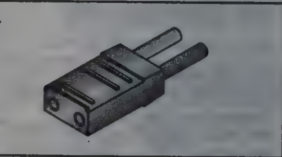
I



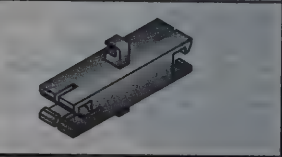
J



K



L



AMP Fiber Optic Connectors and Cable Assemblies

Tyco Electronics
Authorized Distributor

LIGHTCRIMP® PLUS ST, SC, AND LC SERIES

Features:
- Kit Packaging
- Easy Installation
- No epoxy, no polishing
- Meets TIA/EIA 568-B.3

Specifications:
- Insertion Loss: Typical (dB) 0.2 dB SM; 0.3 dB MM
- Temperature Range: -10°C to +60°C
- Durability: 500 cycles
- Ferrule Material: Ceramic

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Connector Type	Fiber Type	Housing Color	Price Each		
						1	25	50
571-6754482-1	6754482-1	A	Simplex LC	Singlemode	Blue	26.20	23.58	22.27
571-6754483-2	6754483-2	B	Simplex LC	50/125 μm Multimode	Beige	17.00	15.30	14.45
571-6754483-3	6754483-3	B	Simplex LC	XG Multimode	Gray	17.00	15.30	14.45
571-6754483-1	6754483-1	B	Simplex LC	62.5/125 μm Multimode	Beige	17.00	15.30	14.45
571-6754485-2	6754485-2	C	Duplex LC	50/125 μm Multimode	Beige	34.00	30.60	28.90
571-6754485-1	6754485-1	C	Duplex LC	62.5/125 μm Multimode	Beige	34.00	30.60	28.90
571-6693276-1	6693276-1	B	Simplex SC	Singlemode	Blue	25.12	22.61	21.35
571-6278079-1	6278079-1	B	Simplex SC	50/125 μm Multimode	Beige	20.00	18.00	17.00
571-5492643-1	5492643-1	B	Simplex SC	62.5/125 μm Multimode	Beige	20.00	18.00	17.00
571-6278080-1	6278080-1	C	Duplex SC	50/125 μm Multimode	Beige	28.00	25.20	23.80
571-6278009-1	6278009-1	C	Duplex SC	62.5/125 μm Multimode	Beige	28.00	25.20	23.80
571-6278082-1	6278082-1	D	ST	50/125 μm Multimode	Metallic	13.00	11.70	11.05
571-5492642-1	5492642-1	D	ST	62.5/125 μm Multimode	Metallic	13.00	11.70	11.05

LIGHTCRIMP® PLUS TERMINATION KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMP Part No.	Terminates	Description	Price Each
571-1754847-1	1754847-1	LIGHTCRIMP PLUS® LC	LC Die Set and Cable Holder	161.28
571-1754846-1	1754846-1	LIGHTCRIMP PLUS® LC	Crimp Tool, LC Die Set, LC Cable Holder and Cleave Tool	775.50
571-1754737-1	1754737-1	LIGHTCRIMP PLUS® SC	Crimp Tool, SC Die Set, SC Cable Holder and Cleave Tool	742.50
571-1754739-1	1754739-1	LIGHTCRIMP PLUS® SC & ST	Crimp Tool, SC & ST Die Set, SC & ST Cable Holder & Cleave Tool	907.50
571-1754738-1	1754738-1	LIGHTCRIMP PLUS® ST	Crimp Tool, ST Die Set, ST Cable Holder and Cleave Tool	742.50
571-1278118-4	1278118-4	LIGHTCRIMP PLUS® ST, SC, LC & MT-RJ	Crimp Tool, ST/SC/LC Die Sets, ST & SC Cable Holder, Cleave Tool, Stripper Tools, & Kevlar Sheers	1891.00

HAND TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-58433-4	58433-4	PRO CRIMPER with Die Set for Ceramic/Polymer	146.85
571-58551-1	58551-1	PRO CRIMPER with Die Set for Stainless Steel	144.16

AMP FIBER OPTIC CABLE ASSEMBLIES

Specifications:
- Insertion Loss: Typical (dB) 0.25 max.<0.1 dB SM; 0.1 dB MM
- Return Loss: 55 dB-PC endface SM; 20 dB MM

ST and SC Features:
- Specified connector float assures intermateability with all Fibre Channel compliant devices
- Connector's minimal metal contact helps contain RFI/EMI
- Assemblies available with riser and plenum grade cable

LC Features:
- For high performance applications/high density
- Small size - 1/2 size of standard SC and FC products
- Hybrid assemblies available with all standard connectors
- Factory terminated/factory tested

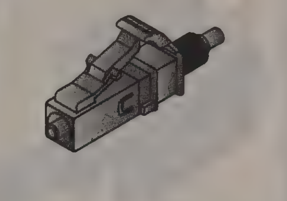
RoHS Compliant

For quantities of 25 and up, call for quote.

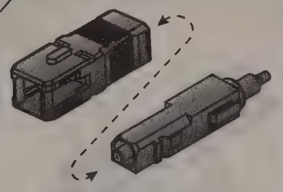
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	5	10
571-5503995-1	5503995-1	E	ST- ST, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 1M Length	22.38	20.14	19.02
571-5503995-2	5503995-2	E	ST- ST, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 2M Length	24.36	21.92	20.71
571-5503995-3	5503995-3	E	ST- ST, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 3M Length	26.32	23.69	22.37
571-5503995-4	5503995-4	E	ST- ST, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 5M Length	30.24	27.22	25.70
571-5503995-5	5503995-5	E	ST- ST, Duplex, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 10M Length	40.04	36.04	34.03
571-5504971-1	5504971-1	F	SC Dup-SC Dup, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 1M Length	35.62	32.06	30.28
571-5504971-2	5504971-2	F	SC Dup-SC Dup, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 2M Length	37.24	33.52	31.65
571-5504971-3	5504971-3	F	SC Dup-SC Dup, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 3M Length	38.86	34.97	33.03
571-5504971-4	5504971-4	F	SC Dup-SC Dup, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 5M Length	42.10	37.89	35.79
571-5504971-5	5504971-5	F	SC Dup-SC Dup, Zipcord, 62.5/125, Riser, Ceramic Ferrule, 10M Length	50.20	45.18	42.67
571-6374659-1	6374659-1	G	LC Dup-LC Dup, 1.6mm Jacketed Riser, 62.5/125, Multimode, 1M Lngth	36.80	33.12	31.28
571-6374659-2	6374659-2	G	LC Dup-LC Dup, 1.6mm Jacketed Riser, 62.5/125, Multimode, 2M Lngth	38.50	34.65	32.73
571-6374659-3	6374659-3	G	LC Dup-LC Dup, 1.6mm Jacketed Riser, 62.5/125, Multimode, 3M Lngth	40.36	36.32	34.31
571-6374659-5	6374659-5	G	LC Dup-LC Dup, 1.6mm Jacketed Riser, 62.5/125, Multimode, 5M Lngth	43.60	39.24	37.06
571-1-6374659-0	1-6374659-0	G	LC Dup-LC Dup, 1.6mm Jacketed Riser, 62.5/125, Multimode, 10M Lgth	52.10	46.89	44.29

Only Connector Assembly Shown

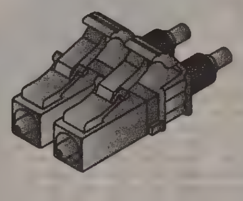
A



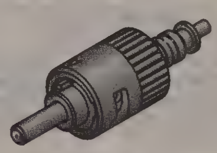
B



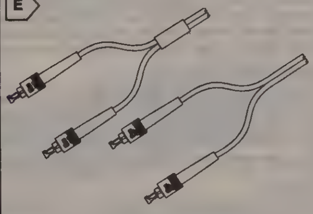
C



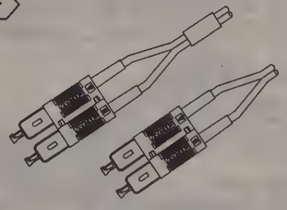
D



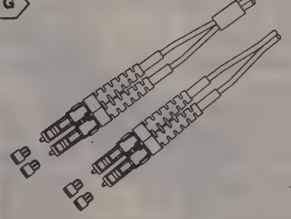
E



F



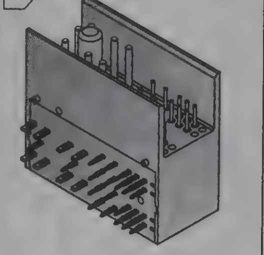
G

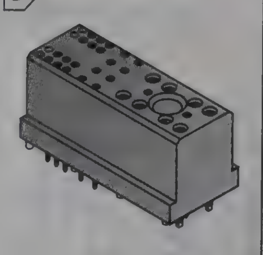


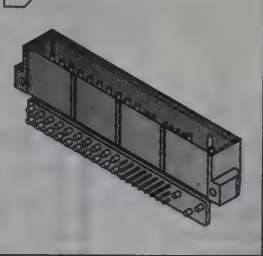
CONEC ATCA, PCI and DIN Connectors

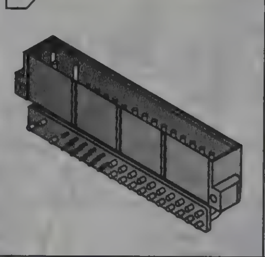
CONEC
TECHNOLOGY IN CONNECTORS™

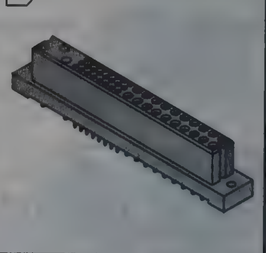
RoHS Compliant **This page of product is compliant.**

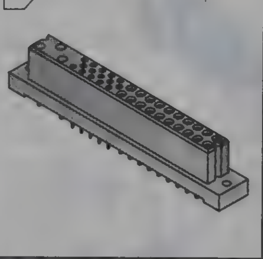
A


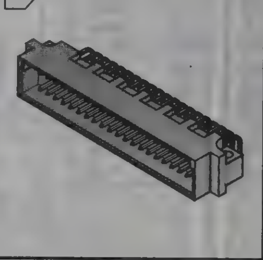
B


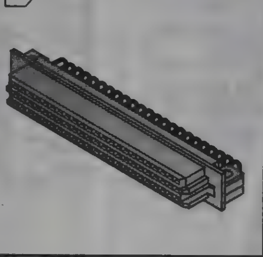
C


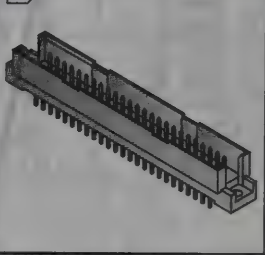
D


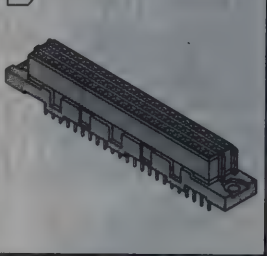
E


F


G


H


I


J


ATCA®

ATCA stands for: Advanced Telecommunications Computing Architecture. This newly developed architecture and system layout allows manufacturers of telecom equipment a new standard for designing system. The basic structure is utilizing a modular concept. Application of this new structured approach allows various module designs that are compatible in layout and mechanical installation. The PICMG Group created the PICMG 3.0 Standard. This standard specifies the mechanical details with regards to input/output, voltage, current and connection parameters. Control, backplane layout and system architecture are part of the standard. Products such as plugs and sockets, high power and signal contact have been developed. This new connector series is available with press fit and through hole contact types.

Features:
- Rugged construction
- Polarizing system
- Selective loading of contact positions
- Screwdown hardware
- Special variations on request
- RoHS compliant per Conec documentation

Specifications:
- Complies with the PICMG 3.0 standard
- UL approval Ecc8329
- Solder and press-fit technology
- Press-fit with flat plate
- Mating area compatible

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Type	Description	Price Each 1	10	100
706-ATC30W08MAE1S5X	ATC30W08MAE1S5X	A	30	Male	Press-fit	21.32	17.77	15.23
706-ATC30W08MARCS5X	ATC30W08MARCS5X	A	30	Male	Solder Pin	13.76	11.47	9.83
706-ATC30W08FGE1S5X	ATC30W08FGE1S5X	B	30	Female	Press-fit	18.60	15.50	13.29
706-ATC30W08FGRCS5X	ATC30W08FGRCS5X	B	30	Female	Solder Pin	19.84	16.53	14.17

COMPACT PCI

The CompactPCI bus has been defined by the PICMG Group in specification 2.0. The appreviation PCI stands for Peripheral Component Interconnect. Besides the standardized 47-pin connector according to PICMG 2.11 R1.0, variations have been developed for computer, industrial, medicinal and measurement technology. Conec offers different models within this product family relating to contact layout and connection technology, for both the male and female connectors.

Features:
- Premating contacts in selective positons
- Polarizing coding system
- Mounting screws for PCB are available
- Selective loading for mixed layout contact configurations
- High reliability and longevity
- RoHS compliant per Conec documentation

RoHS Compliant

Right Angle

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Type	Description	Price Each 1	10	100
706-CPH47W23MARASK9X	CPH47W23MARASK9X	C	47	Male	Solder Pin	12.04	10.85	9.46
706-CPH38W23MARARK9X	CPH38W23MARARK9X	D	38	Male	Solder Pin, Inverted	9.82	8.85	7.71

Straight

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Type	Description	Price Each 1	10	100
706-CPH47W23FGE3SK9X	CPH47W23FGE3SK9X	E	47	Female	Press-fit	20.60	18.57	16.19
706-CPH38W23FGE3SK9X	CPH38W23FGE3SK9X	F	38	Female	Press-fit	17.65	15.92	13.87

DIN 41612

Features:
- Contacts: Copper Alloy
- Contact Plating: Gold over Nickel
- 50 Mating cycles
- Housing: PBTP UL94V-0
- Current: 2 Amp
- Operating Temperature: -55°C to 125°C
- RoHS compliant per Conec documentation

RoHS Compliant

Right Angle

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Type	Description	Price Each 1	10	100
706-121A10139X	121A10139X	G	64	Male	Type C	3.21	2.30	1.94
706-121A10149X	121A10149X	G	96	Male	Type C	3.61	2.58	2.17
706-122A10849X	122A10849X	H	64	Female	Type R	6.82	4.89	4.11
706-122A10859X	122A10859X	H	96	Female	Type R	7.42	5.32	4.48

Straight

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Type	Description	Price Each 1	10	100
706-121A10559X	121A10559X	I	64	Male	Type R, Solder Pin	4.16	2.98	2.51
706-121A10569X	121A10569X	I	96	Male	Type R, Solder Pin	6.00	4.30	3.62
706-122A10299X	122A10299X	J	64	Female	Type C, Solder Pin	4.95	3.55	2.98
706-122A10309X	122A10309X	J	96	Female	Type C, Solder Pin	5.61	4.02	3.38

HARTING AdvancedMC™ Connectors for μTCA™ and ATCA®

ADVANCEDMC™ CONNECTORS FOR MICROTCA™ (μTCA™) AND ADVANCEDTCA® (ATCA®)

NEW! TECHNOLOGY

Specifications:

- Number of contacts: 170
- Contact spacing: 0.75 mm
- Clearance and creepage distance between contacts: 0.1 mm min.
- Working current of power contacts: 1.52 A @ 70 °C, max. 30 °C temp. rise
- Test voltage: 80 Vr.m.s.
- Contact resistance: 25 m Ohm max.
- Insulation resistance: 10 M Ohm
- Temperature range: -55 °C to +105 °C
- Durability: 200 mating cycles
- Termination technique: Press-in termination
- Mating force: 100 N max.
- Withdrawal force: 65 N max.
- Moulded parts material: Liquid Crystal Polymer (LCP), UL 94-V0
- Contact material: Copper Alloy
- Contact surface material: Selectively gold plated

AdvancedMC™ Connector for μTCA™
Card Edge Connector, Straight

AdvancedMC™ Connector for MicroTCA™ (μTCA™)

MicroTCA™ is an open industry standard developed by the PCI Industrial Computer Manufacturers Group (PICMG). In a MicroTCA™ system, AdvancedMC™ modules are plugged directly into a backplane and not into a carrier board. As a result MicroTCA™ system shelves are smaller and cheaper than AdvancedTCA® systems, yet powerful enough to address the needs of telecom, enterprise and medical applications.

Features:

- Offers good routing capabilities with wide routing channels
- Differential pins are isolated by the distance between signal and ground pins, resulting in low cross talk and excellent high speed performance
- Design according to: PICMG MicroTCA.0
- HARTING con:card+® technology for significant increase in connector reliability

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Pin Length (mm)	Description	Price Each		
					1	10	25
617-16-11-170-5202	16 11 170 5202 000	170	2.1	Card edge, straight	38.80	36.86	34.92

AdvancedMC™ Connector for AdvancedTCA™ (ATCA™)

Advanced Telecommunications Computing Architecture (AdvancedTCA®) is an open industry standard developed by the PCI Industrial Computer Manufacturers Group (PICMG). Defined by PICMG 3.0, the AdvancedTCA® series of specifications targets the requirements of the next generation of carrier grade telecommunications equipment. It incorporates an impressive suite of recent technological advancements including the latest trends in high speed interconnect technologies. To extend the functionality and modularity of AdvancedTCA® carrier boards, PICMG developed the Advanced Mezzanine Card (AdvancedMC™) standard AMC.0. Up to eight AdvancedMC™ add-on modules can be hot-swapped in and out of a carrier board.

Features:

- New press-fit compliant pin designed for 0.55 mm plated PCB holes
- Superior transmission performance at high data transmission speeds designed to minimize interferences from cross talk and reflections
- Design according to: PICMG AMC.0
- HARTING con:card+® technology for significant increase in connector reliability

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Pin Length (mm)	Description	Price Each		
					1	10	25
617-16-04-170-5106	16 04 170 5106 000	170	2.0	Card edge, angled type B+ with peg	48.20	45.79	43.38

AdvancedMC™ Connectors for ATCA®
Card Edge Connector, Angled Type B+ with pegs

HAR-MIK® SCSI (SMALL COMPUTER SYSTEM INTERFACE) I/O CONNECTORS

Features:

- Meets SCSI-3 Specifications
- Pin and Socket
- Pitch: 1.27 mm
- Current rating: 1 A
- Contact resistance: ≤ 30mΩ
- Temperature Range: -55°C - +105°C
- UL Recognized
- Contacts: Copper Alloy
- Moldings: Thermoplastic resin, glass fiber filled - UL94V-0

For Cable Mount Connectors:

- Insulation diameter for 60 03 050 5200 and 60 03 068 5200: 0.50 - 0.65mm
- Insulation diameter for 60 03 068 5210: 0.65 - 0.80mm

SCSI Female PCB Connectors

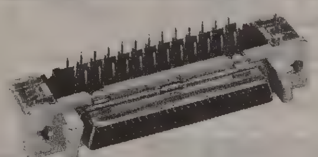
For quantities of 100 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Term.	Pin Length (mm)	Description	Price Each			
						1	10	25	50
Straight									
617-60-01-050-5102	60 01 050 5102	50	Solder Pins	3.4	with latch system	5.24	4.72	4.45	4.19
617-60-01-068-5102	60 01 068 5102	68	Solder Pins	3.4	with latch system	8.02	7.23	6.82	6.42
†† 617-60-02-068-5322	60 02 068 5322	68	Press-In	4.5	-	11.42	10.28	9.71	9.14
Right Angle									
617-60-01-050-5140	60 01 050 5140	50	Solder Pins	3.4	with latch system	5.48	4.93	4.66	4.38
†† 617-60-01-068-5140	60 01 068 5140	68	Solder Pins	3.4	with latch system	8.30	7.47	7.06	6.65

†† Panel fixing: M2.5, Board fixing: board lock

har-mik® SCSI Female PCB with Press-In Pins
60-02-068-5322 Illustrated

har-mik® SCSI Female PCB with Solder Pins
60-01-050-5140 Illustrated

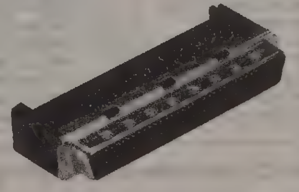


SCSI IDC Cable Mount Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Description	Price Each			
				1	10	25	50
Male							
617-60-03-050-5200	60 03 050 5200	50	for discrete wire 28/30 AWG	4.86	4.38	4.13	3.89
617-60-03-068-5200	60 03 068 5200	68	for discrete wire 28/30 AWG	6.72	6.05	5.71	5.38
617-60-03-068-5210	60 03 068 5210	68	for discrete wire 28/30 AWG	6.72	6.05	5.71	5.38
617-60-06-050-5440	60 06 050 5440	50	for flat cable, .635 mm, 30 AWG	9.86	8.88	8.38	7.90
617-60-06-068-5440	60 06 068 5440	68	for flat cable, .635 mm, 30 AWG	9.26	8.34	7.88	7.42
Female							
617-60-04-050-5343	60 04 050 5343	50	for flat cable w/ latch system, .635 mm	14.10	12.69	11.99	11.28
617-60-04-068-5343	60 04 068 5343	68	for flat cable w/ latch system, .635 mm	19.00	17.10	16.16	15.20
617-60-04-068-5344	60 04 068 5344	68	for flat cable w/ screw lock system, .635 mm	18.02	16.22	15.32	14.42

har-mik® SCSI IDC Cable Mount Male
60-03-068-5210 Illustrated



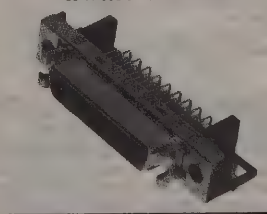
SCSI Female SMC Right Angle Connectors

NEW PRODUCT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Description	Price Each			
				1	10	25	50
617-60110145740710	60110145740710	14	Bellow contacts with fixed latch	4.50	4.05	3.83	3.60
617-60110265740710	60110265740710	26	Bellow contacts with fixed latch	6.47	5.82	5.50	5.18
617-60110365740710	60110365740710	36	Bellow contacts with fixed latch	9.00	8.10	7.65	7.20

har-mik® SCSI Female SMC Right Angle
60-11-036-5740-710 Illustrated



Hoods

For quantities of 100 and up, call for quote.

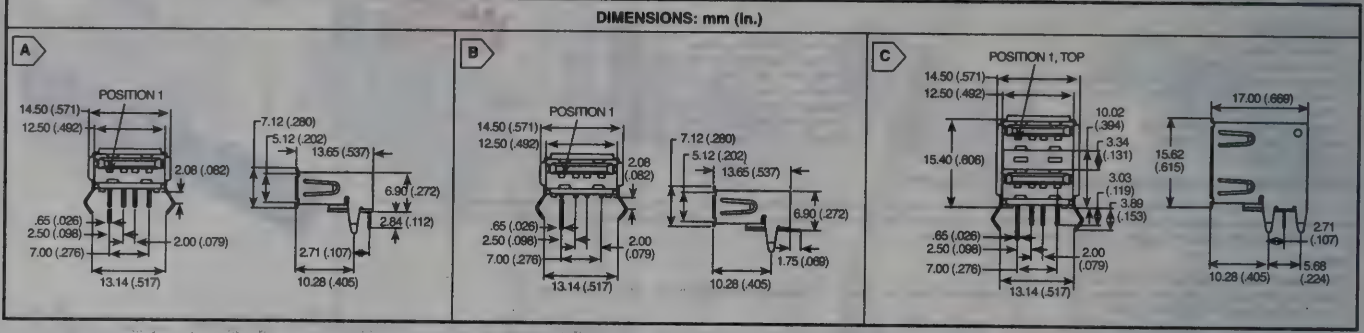
MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Description	Price Each			
				1	10	25	50
617-60-03-050-0255	60 03 050 0255	50	Metal hood with latch	6.38	5.75	5.43	5.11
617-60-03-068-0255	60 03 068 0255	68	Metal hood with latch	6.92	6.23	5.89	5.54

ESD/EMI Filtered USB Connectors & Patch Antenna Elements

RoHS Compliant **This page of product is compliant.**

SERIES USB-E ESD PROTECTED USB CONNECTORS

DIMENSIONS: mm (in.)


A
POSITION 1
14.50 (.571)
12.50 (.492)
2.08 (.082)
.65 (.026)
2.50 (.098)
7.00 (.276)
2.00 (.079)
13.14 (.517)
7.12 (.280)
5.12 (.202)
13.65 (.537)
6.90 (.272)
2.84 (.112)
2.71 (.107)
10.28 (.405)
B
POSITION 1
14.50 (.571)
12.50 (.492)
2.08 (.082)
.65 (.026)
2.50 (.098)
7.00 (.276)
2.00 (.079)
13.14 (.517)
7.12 (.280)
5.12 (.202)
13.65 (.537)
6.90 (.272)
1.75 (.069)
10.28 (.405)
C
POSITION 1, TOP
14.50 (.571)
12.50 (.492)
10.02 (.394)
3.34 (.131)
15.40 (.606)
3.03 (.119)
3.89 (.153)
.65 (.026)
2.50 (.098)
7.00 (.276)
2.00 (.079)
13.14 (.517)
17.00 (.669)
15.62 (.615)
2.71 (.107)
10.28 (.405)
5.68 (.224)

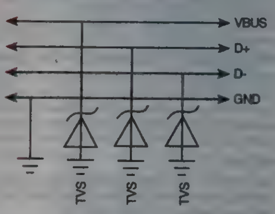
Features:
- TVS diodes for protection
- Clamping Voltage 9.8 volts
- Junction capacitance I/O to GND<10pF max.
- Product meets EN6100-4-2 EDS & EN61000-4-4 EFT specs
- Drop-in replacement for unfiltered USB connectors
- RoHS Compliant per Spectrum Control Documentation.

Specifications:
- Working Voltage: 5 VDC
- Current Rating: 1 Amp max.
- Operating Temp: -55° to +125°C
- Temperature Range: -40°C to +71°C
- Contact Resistance: 30 mΩ max.

RoHS Compliant

NEW! TECHNOLOGY

Protection Schematic


VBUS
D+
D-
GND
TVS
TVS
TVS

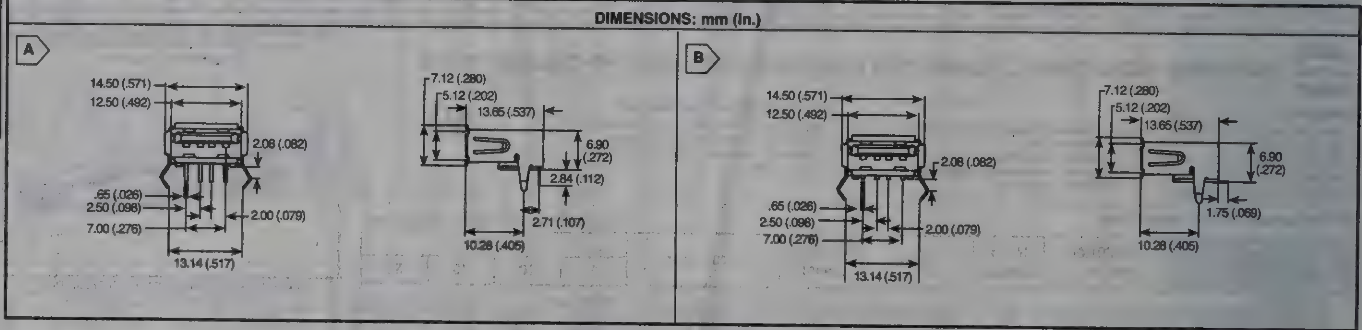
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Description	Price Each 1	10	25	50
657-56FU04-E01	56FU04-E01	A	Right Angle Through Hole w/TVS Diodes	9.32	8.91	8.51	8.10
657-56FU04-E01-SM	56FU04-E01-SM	B	Right Angle Surface Mount w/TVS Diodes	9.43	9.02	8.61	8.20
657-56FU24-E01	56FU24-E01 *	C	Stacked Right Angle Through Hole w/TVS Diodes	8.56	8.18	7.81	7.44

* Part # 56FU24-E01 - Junction capacitance, I/O to GND 3pF max.

SERIES USB-F EMI FILTERED USB CONNECTORS

DIMENSIONS: mm (in.)


A
14.50 (.571)
12.50 (.492)
2.08 (.082)
.65 (.026)
2.50 (.098)
7.00 (.276)
2.00 (.079)
13.14 (.517)
7.12 (.280)
5.12 (.202)
13.65 (.537)
6.90 (.272)
2.84 (.112)
2.71 (.107)
10.28 (.405)
B
14.50 (.571)
12.50 (.492)
2.08 (.082)
.65 (.026)
2.50 (.098)
7.00 (.276)
2.00 (.079)
13.14 (.517)
7.12 (.280)
5.12 (.202)
13.65 (.537)
6.90 (.272)
1.75 (.069)
10.28 (.405)

Features:
- USB 1.1 capacitive filtering 100pF
- Drop-in replacement for unfiltered USB connectors
- **Capacitive Filtered:** Capacitance - 100pF, Dielectric Withstand Voltage - 125vDC
- RoHS Compliant per Spectrum Control documentation

Specifications:
- Working Voltage: 5 VDC
- Current Rating: 1 Amp max.
- Operating Temp: -55°C to +125°C
- Temperature Range: -40°C to +71°C
- Contact Resistance: 30 mΩ max.

RoHS Compliant

NEW! TECHNOLOGY

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Description	Capacitance	Price Each 1	10	25	50
657-56FU04-015	56FU04-015	A	Right Angle Through Hole	10pF	4.00	3.83	3.65	3.48
657-56FU04-015-SM	56FU04-015-SM	B	Right Angle Surface Mount	10pF	4.07	3.89	3.72	3.54
657-56FU04-001	56FU04-001	A	Right Angle Through Hole	22pF	4.00	3.83	3.65	3.48
657-56FU04-001-SM	56FU04-001-SM	B	Right Angle Surface Mount	22pF	4.07	3.89	3.72	3.54
657-56FU04-002	56FU04-002	A	Right Angle Through Hole	33pF	4.00	3.83	3.65	3.48
657-56FU04-002-SM	56FU04-002-SM	B	Right Angle Surface Mount	33pF	4.07	3.89	3.72	3.54
657-56FU04-003	56FU04-003	A	Right Angle Through Hole	47pF	4.00	3.83	3.65	3.48
657-56FU04-003-SM	56FU04-003-SM	B	Right Angle Surface Mount	47pF	4.07	3.89	3.72	3.54
657-56FU04-004	56FU04-004	A	Right Angle Through Hole	100pF	4.00	3.83	3.65	3.48
657-56FU04-004-SM	56FU04-004-SM	B	Right Angle Surface Mount	100pF	4.07	3.89	3.72	3.54

PATCH ANTENNA ELEMENTS

Features:
- Temperature stable (-40°C to +105°C)
- Low return loss
- Uniform dielectric constant
- Offset single-point feeding method

Specifications:
- Silver plated electrode and probe
- 50 Ohm impedance
- Surface Mount
- RoHS Compliant per Spectrum Control documentation

RoHS Compliant

NEW FROM SUPPLIER

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Center Frequency (MHz) Application	2:1 VSWR Bandwidth (MHz)	Price Each 1	10	25	50
657-PA251575008SALF	PA251575008SALF	1575, GPS	20	15.75	15.00	14.25	13.50
657-PA251579008SALF	PA251579008SALF	1579, GPS	20	15.75	15.00	14.25	13.50
657-PA251615025SALF	PA251615025SALF	1615, Globalstar	25	21.00	20.00	19.00	18.00
657-PA251621025SALF	PA251621025SALF	1621, Iridium	25	21.00	20.00	19.00	18.00

3M™ SDR and D Ribbon Connectors

3M

SHRUNK D RIBBON (SDR) CABLE ASSEMBLIES

0.80mm High Speed Digital Data Transmission, 26 position

Features:
- Supports new AIA Industrial Camera Link® Standard for new Mini C/L camera to new frame grabber applications
- 11 shielded, twisted twinax pairs with four drain wires
- Double overall shield with inner foil and outer braid
- Rugged ribbon contact type

Specifications:
- Connector Contact Plating: 30μ" Min Gold
- Color: Beige
- Material: Polyvinyl Chloride (PVC)
- Flammability: AWM VW-1
- Voltage Rating: 30 V
- Current Rating: 0.5 A
- Temperature Rating: 0°C to +70°C

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Length	Price Each	
					1	5
517-1MF26-L58600C5	1MF26-L586-00C-500	A	Right Angle MDR to Vertical SDR	5 Meters	227.10	219.75
517-1MG26-LFW000C2	1MG26-LFW0-00C-200	A	Vertical MDR to Vertical SDR	2 Meters	179.96	172.90
517-1SF26-L13600C2	1SF26-L136-00C-200	A	Right Angle SDR to Vertical SDR	2 Meters	270.71	260.05
517-1SF26-L12000C5	1SF26-L120-00C-500	A	Vertical SDR to Vertical SDR	5 Meters	295.41	283.82
517-1MF26-L56000C5	1MF26-L560-00C-500	A	Vertical MDR to Vertical SDR	5 Meters	200.31	190.24

SHRUNK D RIBBON (SDR) CONNECTORS - SHIELDED

0.80mm Receptacles

Features:
- Wiper on wiper contact for reliable repetitive mating.
- Ground lock for reliable PCB retention
- Full metal face for better EMI shielding effectiveness
- On-board jacksockets maintains a secure connection
- RoHS Compliant per 3M documentation

Specifications:
- 30μ" Gold Plating
- Color: Black
- Contact Material: Phosphor Bronze
- Current Rating: 0.5 A
- Temperature Rating: -40°C to +70°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Style	Type	Price Each			
						1	25	50	100
517-12214-115000FR	12214-1150-00FR	B	14	Vertical	Thru-Hole	6.75	6.31	6.05	5.71
517-12226-115000FR	12226-1150-00FR	B	26	Vertical	Thru-Hole	8.51	7.78	7.37	6.96
517-12226-515000FR	12226-5150-00FR	C	26	Right Angle	Thru-Hole	8.91	8.14	7.71	7.28
517-12250-515000FR	12250-5150-00FR	C	50	Right Angle	Thru-Hole	11.05	9.98	9.55	9.01
517-12226-825000FR	12226-8250-00FR	D	26	Right Angle	Surface Mount	9.43	8.83	8.10	7.97

3000 SERIES D RIBBON WIREMOUNT CONNECTORS

Features:
- Accepts .050" round, flat or jacketed cable
- Insulation material: Glass Filled Polyester (PBT)
- Flammability: UL 94V-0
- Color: Gray
- Contact material: Copper alloy
- Current rating: 1 A
- Temperature rating: -55°C to +105°C
- Plating: 30 μ" Gold
- Wire Accommodation: 26 and 28 AWG solid or stranded

Metal faced plug: provides complete EMI shielded system when mated to a metal faced female connector

Plugs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Mounting Style	Price Each			
					1	25	50	100
Plastic - Low Profile								
517-3572-1000	3572-1000	E	14	.158" Dia Thru Hole	4.99	4.20	4.05	3.79
517-3572-1001	3572-1001	E	14	Bailmount	5.76	4.84	4.55	4.37
517-3572-1002	3572-1002	E	14	#4-40 UNC Insert	5.37	4.51	4.36	4.07
517-3548-1000	3548-1000	E	24	.158" Dia Thru Hole	5.80	4.88	4.65	4.40
517-3548-1001	3548-1001	E	24	Bailmount	5.49	4.62	4.49	4.17
517-3548-1002	3548-1002	E	24	#4-40 UNC Insert	7.11	5.98	5.65	5.40
517-3366-1000	3366-1000	E	36	.158" Dia Thru Hole	7.32	6.16	6.01	5.56
517-3366-1001	3366-1001	E	36	Bailmount	6.74	5.67	5.55	5.11
517-3366-1002	3366-1002	E	36	#4-40 UNC Insert	6.88	5.79	5.65	5.22
517-3564-1000	3564-1000	E	50	.158" Dia Thru Hole	8.05	6.77	6.55	5.89
517-3564-1001	3564-1001	E	50	Bailmount	8.53	7.17	6.95	6.24
517-3564-1002	3564-1002	E	50	#4-40 UNC Insert	8.47	7.12	7.05	6.19
Metal Faced								
517-3564-2000	3564-2000	E	50	.158" Dia Thru Hole	10.95	9.65	8.89	8.10
517-3564-2001	3564-2001	E	50	Bailmount	11.37	10.40	9.46	8.20

Sockets

For quantities of 200 and up, call for quote.

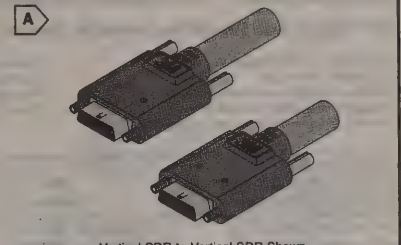
Plastic - Low Profile								
517-3573-1000	3573-1000	F	14	.158" Dia Thru Hole	6.66	5.60	5.45	5.05
517-3573-1002	3573-1002	F	14	#4-40 UNC Insert	6.07	5.11	4.95	4.61
517-3549-1000	3549-1000	F	24	.158" Dia Thru Hole	5.22	4.39	4.21	3.96
517-3549-1001	3549-1001	F	24	Bailmount	5.45	4.58	4.45	4.13
517-3549-1002	3549-1002	F	24	#4-40 UNC Insert	5.54	4.67	4.55	4.21
517-3367-1000	3367-1000	F	36	.158" Dia Thru Hole	6.43	5.40	5.35	4.88
517-3367-1001	3367-1001	F	36	Bailmount	7.20	6.05	5.91	5.46
517-3367-1002	3367-1002	F	36	#4-40 UNC Insert	7.63	6.42	6.25	5.79
517-3565-1000	3565-1000	F	50	.158" Dia Thru Hole	7.65	6.44	6.37	5.60
517-3565-1001	3565-1001	F	50	Bailmount	9.07	7.63	7.55	6.61
517-3565-1002	3565-1002	F	50	#4-40 UNC Insert	8.47	7.12	7.04	6.19
Metal Faced								
517-3565-2000	3565-2000	F	50	.158" Dia Thru Hole	8.72	7.96	7.42	6.28
517-3565-2002	3565-2002	F	50	Bailmount	9.69	8.86	7.55	6.99

Accessories

For quantities of 200 and up, call for quote.

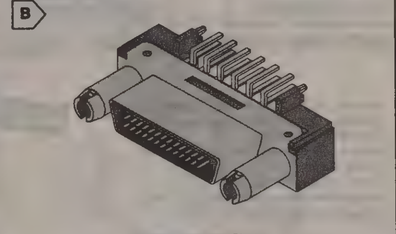
MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	25	50	100
Strain Reliefs						
517-3448-60	3448-60	14 Pin Strain Relief	.44	.36	.35	.33
517-3448-61	3448-61	24 Pin Strain Relief	.44	.36	.35	.33
517-3448-62	3448-62	36 Pin Strain Relief	.52	.43	.41	.39
517-3448-63	3448-63	50 Pin Strain Relief	.52	.43	.41	.38
Tools			1		2	
517-3640	3640	Press	436.09		421.05	
517-3443-58	3443-58	Locator Plate	546.90		510.44	
517-3442-9	3442-9	Platen	96.75		90.30	

A



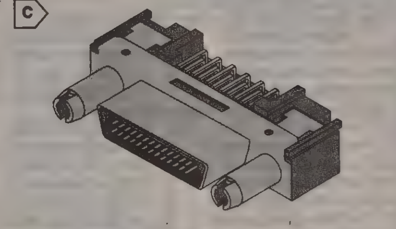
Vertical SDR to Vertical SDR Shown

B



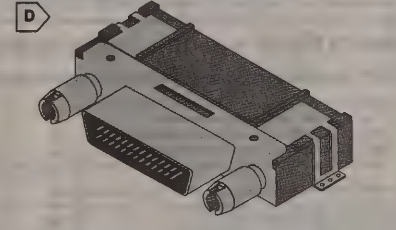
26 Pin Connector Shown

C



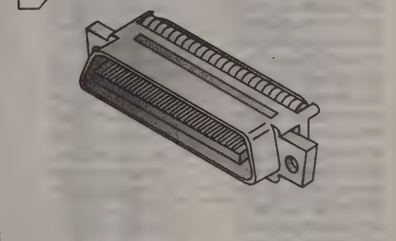
26 Pin Connector Shown

D

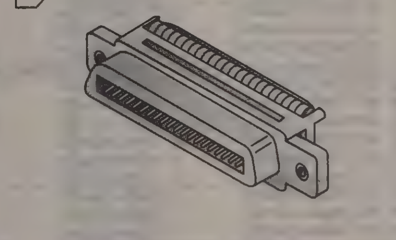


26 Pin Connector Shown

E



F



3M™ Mini-D Ribbon Connectors

CAMERA LINK™ STANDARD INTERFACE CABLE ASSEMBLIES

.050" High Speed Digital Transmission System

- Connector Contact Plating: 30µ" gold
- 26 position connector
- Positive retention overmold thumbscrew shell
- Supports new industrial CameraLink™ Standard for camera to frame grabber communications
- Eleven shielded pairs and four drain wires
- Entire cable bundle is shielded with foil and braid
- Rugged MDR ribbon type contact
- RoHS Compliance per 3M™ documentation

RoHS Compliant

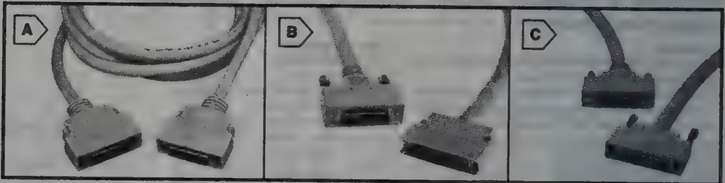
CameraLink™ is a trademark of the Automated Imaging Association.

MOUSER STOCK NO.	3M Part No.	Cable Length	Volts	Amp	Conductor Size	Price Each	
						1	5
517-14T26-100-OLC	14T26-SZLB-100-0LC	1 meter	30	1	28 AWG Stranded	60.44	58.77
517-14T26-200-OLC	14T26-SZLB-200-0LC	2 meters	30	1	28 AWG Stranded	72.04	70.04
517-14T26-300-OLC	14T26-SZLB-300-0LC	3 meters	30	1	28 AWG Stranded	83.66	79.83
517-14T26-500-OLC	14T26-SZLB-500-0LC	5 meters	30	1	28 AWG Stranded	106.88	89.07
517-14T26-A00-OLC	14T26-SZLB-A00-0LC	10 meters	30	1	28 AWG Stranded	164.97	142.80

.050" MINI D RIBBON (MDR) CABLE ASSEMBLIES

- Supports LVDS Channel Link™ Signaling
- Connector Contact Plating: 30µ" min. gold
- Flammability: AWM VW-1
- RoHS compliance per 3M™ documentation
- Voltage Rating: 30V
- Current Rating: 1 Amp
- Withstanding Voltage: 350 Vrms for 1 minute
- Temperature Rating: -20°C to +75°C

NEW PRODUCT

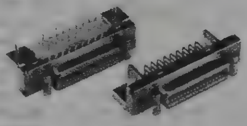


MOUSER STOCK NO.	3M Part No.	Fig.	Cable Length	Description	Description	Price Each	
						1	5
High Speed Digital Data Transmission System							
517-14526-EZ5B05002C	14526-EZ5B05002C	B	.5 meters	26 to 26 Position	30 AWG Stranded	54.03	52.35
517-14526-EZ5B10002C	14526-EZ5B10002C	B	1 meter	26 to 26 Position	30 AWG Stranded	60.22	52.69
517-14526-EZ5B20002C	14526-EZ5B20002C	B	2 meters	26 to 26 Position	30 AWG Stranded	72.61	70.34
517-14526-EZ5B30002C	14526-EZ5B30002C	B	3 meters	26 to 26 Position	30 AWG Stranded	84.99	74.36
High Speed Video Data Transmission System							
517-14T36-SZ6B1000HC	14T36-SZ6B1000HC	C	1 meter	36 Position, Over-molded 4-40 thumbscrew	28 AWG Stranded	71.41	62.48
517-14T36-SZ6B2000HC	14T36-SZ6B2000HC	C	2 meters	36 Position, Over-molded 4-40 thumbscrew	28 AWG Stranded	81.63	71.43
517-14T36-SZ6B5000HC	14T36-SZ6B5000HC	C	5 meters	36 Position, Over-molded 4-40 thumbscrew	28 AWG Stranded	116.99	102.37
517-14T50-SZWB1000NC	14T50-SZWB1000NC	D	1 meter	50 Position, Over-molded 4-40 thumbscrew	28 AWG Stranded	103.71	90.75
517-14T50-SZWB2000NC	14T50-SZWB2000NC	D	2 meters	50 Position, Over-molded 4-40 thumbscrew	28 AWG Stranded	120.74	105.64
517-14T50-SZWB5000NC	14T50-SZWB5000NC	D	5 meters	50 Position, Over-molded 4-40 thumbscrew	28 AWG Stranded	177.62	155.41
517-14B50-SZWB1000NC	14B50-SZWB1000NC	D	1 meter	50 Position, Discrete 4-40 thumbscrew shell kit	28 AWG Stranded	106.10	92.83
517-14B50-SZWB2000NC	14B50-SZWB2000NC	D	2 meters	50 Position, Discrete 4-40 thumbscrew shell kit	28 AWG Stranded	124.43	108.88
517-14B50-SZWB5000NC	14B50-SZWB5000NC	D	5 meters	50 Position, Discrete 4-40 thumbscrew shell kit	28 AWG Stranded	180.59	158.02

MINI D RIBBON (MDR) CONNECTORS

.050" Boardmount Thru-Hole Right Angle Shielded Receptacles

- Wiper-on-wiper contact for reliable repetitive plugging
- Rugged die cast metal case construction
- Interface latch design for connection stability
- IEEE 1284C Interface as a 36 contact connector
- Insulation material: Beige glass reinforced polyester (PCT), UL94V-0
- Contact material: Copper alloy (C521)
- Plating: 30µ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vrms for 1 minute
- Temperature rating: -55°C to +105°C



* MDR Digital LCD interface as a 20 ror 26 contact connector

** Reverse pin layout pattern - SCSI-2 layout compatible

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Compliance	No. of Contacts	Tail Length	Description	Price Each			
						1	25	50	100
.050" Boardmount Thru-Hole Right Angle Shielded Receptacles									
517-N10214-52B2PC	N10214-52B2PC	RoHS	14	0.15	M2.5 thread w/ground lock	6.76	6.18	5.65	4.87
517-N10220-52B2PC	N10220-52B2PC	RoHS	20	0.15	M2.5 thread w/ground lock	6.70	6.37	6.03	5.02
517-N10226-52B2VC	N10226-52B2VC	Non-RoHS	26	0.15	M2.5 thread w/ground lock	6.21	5.18	5.01	4.83
517-N10226-52B2PC	N10226-52B2PC	RoHS	26	0.15	M2.5 thread w/ground lock	6.95	6.56	6.21	5.17
517-N10236-52B2VC	N10236-52B2VC	Non-RoHS	36	0.15	M2.5 thread w/ground lock	7.63	7.05	6.46	5.80
517-N10236-52B2PC	N10236-52B2PC	RoHS	36	0.15	M2.5 thread w/ground lock	7.34	6.97	6.25	5.50
517-N10250-52E2VC	N10250-52E2VC	Non-RoHS	50	0.15	4-40 thread w/ground lock	8.72	7.96	7.54	7.12
517-N10250-52E2PC	N10250-52E2PC	RoHS	50	0.15	4-40 thread w/ground lock	8.74	7.98	7.56	6.30
517-N10268-52E2VC	N10268-52E2VC	Non-RoHS	68	0.15	4-40 thread w/ground lock	10.63	9.81	8.99	8.07
517-N10268-52E2PC	N10268-52E2PC	RoHS	68	0.15	4-40 thread w/ground lock	10.63	9.71	9.20	7.66
517-N10280-52E2PC	N10280-52E2PC	RoHS	80	0.15	4-40 thread w/ground lock	12.00	10.96	9.75	8.65
517-N102A0-52E2VC	N102A0-52E2VC	Non-RoHS	100	0.15	4-40 thread w/ground lock	13.50	12.33	11.68	11.03
517-N102A0-52E2PC	N102A0-52E2PC	RoHS	100	0.15	4-40 thread w/ground lock	13.50	12.33	11.68	11.03
517-N10214-5212PC	N10214-5212PC	RoHS	14	0.15	M2.5 panel w/screw lock	6.55	5.99	5.36	4.72
517-N10220-5212PC	N10220-5212PC	RoHS	20	0.15	M2.5 panel w/screw lock	6.50	6.18	5.85	4.87
517-N10226-5212PC	N10226-5212PC	RoHS	26	0.15	M2.5 panel w/screw lock	6.70	6.37	6.03	5.02
517-N10236-5212PC	N10236-5212PC	RoHS	36	0.15	M2.5 panel w/screw lock	7.14	6.78	6.25	5.36
517-N10240-5212PC	N10240-5212PC	RoHS	40	0.15	M2.5 panel w/screw lock	7.68	7.01	6.64	5.53
517-N10268-5242PC	N10268-5242PC	RoHS	68	0.15	4-40 panel w/screw lock	10.03	9.16	8.68	7.23
517-N10280-5242PC	N10280-5242PC	RoHS	80	0.15	4-40 panel w/screw lock	11.79	10.77	9.75	8.50
517-N102A0-5242PC	N102A0-5242PC	RoHS	100	0.15	4-40 panel w/screw lock	13.29	12.14	11.50	10.86
.050" Boardmount Thru-Hole Right Angle Shielded Receptacles with Ground Lock PCB Retention									
* 517-10214-55G3PC	10214-55G3PC	RoHS	14	0.11	M2.5 thread w/ground lock	4.20	3.53	3.43	3.19
* 517-10220-55G3PC	10220-55G3PC	RoHS	20	0.11	M2.5 thread w/ground lock	3.72	3.13	3.01	2.82
* 517-10226-55G3VC	10226-55G3VC	Non-RoHS	26	0.11	M2.5 thread w/ground lock	4.04	3.39	3.29	3.06
* 517-10226-55G3PC	10226-55G3PC	RoHS	26	0.11	M2.5 thread w/ground lock	4.04	3.39	3.24	3.06
* 517-10236-55G3PC	10236-55G3PC	RoHS	36	0.11	M2.5 thread w/ground lock	4.43	3.72	3.63	3.36
**517-10268-5JBEPC	10268-5JBEPC	RoHS	68	0.15	M2.5 thread w/ground lock	10.82	9.10	8.75	8.21
* 517-10226-55H3PC	10226-55H3PC	RoHS	26	0.11	4-40 thread w/ground lock	4.37	3.99	3.78	3.15
* 517-10250-55H3VC	10250-55H3VC	Non-RoHS	50	0.11	4-40 thread w/ground lock	5.20	4.75	4.50	4.25
* 517-10268-55H3PC	10268-55H3PC	RoHS	68	0.11	4-40 thread w/ground lock	6.76	5.68	5.53	5.13

MINI D RIBBON (MDR) CONNECTORS

.050" Boardmount Thru-Hole Vertical Shielded Receptacles

- Wiper-on-wiper contact for reliable repetitive plugging
- Rugged die cast metal case construction
- Screw lockdown for reliable PCB retention
- Interface latch design for connection stability
- IEEE 1284C Interface as a 36 contact connector
- Insulation material: Black glass reinforced polyester (PBT), UL94V-0
- Contact material: Copper alloy (C521)
- Plating: 30μ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vrms for 1 minute
- Temperature rating: -20°C to +85°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Cont.	Tail Length	Description	Price Each			
							1	25	50	100
517-10214-6212VC	10214-6212VC	A	Non-RoHS	14	0.134	M2.5 thread w/screw lock	4.37	3.67	3.55	3.31
517-10214-6212PC	10214-6212PC	A	RoHS	14	0.134	M2.5 thread w/screw lock	4.37	3.64	3.54	3.31
517-10220-6212VC	10220-6212VC	A	Non-RoHS	20	0.134	M2.5 thread w/screw lock	4.58	3.85	3.55	3.47
517-10220-6212PC	10220-6212PC	A	RoHS	20	0.134	M2.5 thread w/screw lock	4.58	3.85	3.65	3.47
517-10226-6212VC	10226-6212VC	A	Non-RoHS	26	0.134	M2.5 thread w/screw lock	4.74	3.99	3.65	3.60
517-10226-6212PC	10226-6212PC	A	RoHS	26	0.134	M2.5 thread w/screw lock	4.74	4.33	4.10	3.88
517-10236-6212VC	10236-6212VC	A	Non-RoHS	36	0.134	M2.5 thread w/screw lock	4.89	4.11	4.05	3.71
517-10236-6212PC	10236-6212PC	A	RoHS	36	0.134	M2.5 thread w/screw lock	4.89	4.11	3.95	3.71
517-10240-6212PC	10240-6212PC	A	RoHS	40	0.134	M2.5 thread w/screw lock	5.10	4.24	4.10	3.87
517-10250-6212PC	10250-6212PC	A	RoHS	50	0.134	M2.5 thread w/screw lock	5.41	4.25	4.15	4.10
517-10268-6212VC	10268-6212VC	A	Non-RoHS	68	0.134	M2.5 thread w/screw lock	6.32	5.32	5.10	4.80
517-10268-6212PC	10268-6212PC	A	RoHS	68	0.134	M2.5 thread w/screw lock	6.32	5.32	5.05	4.80
517-10280-6212PC	10280-6212PC	A	RoHS	80	0.134	M2.5 thread w/screw lock	8.53	7.18	6.85	6.47
517-102A0-6212VC	102A0-6212VC	A	Non-RoHS	100	0.134	M2.5 thread w/screw lock	9.11	7.66	7.15	6.92
517-102A0-6212PC	102A0-6212PC	A	RoHS	100	0.134	M2.5 thread w/screw lock	9.11	7.66	7.15	6.92

.050" Surface Mount Right Angle Shielded Receptacles

- Wiper-on-wiper contact for reliable repetitive plugging
- Ultra-low signal skew for high data rate transmission
- Interface latch design for connection stability
- MDR digital LCD interface as a 20 or 26 contact connector
- Insulation material: Beige glass reinforced polyester (PCT), UL94V-0
- Contact material: Copper alloy (C521)
- Plating: 20μ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vrms for 1 minute
- Temperature rating: -55°C to +105°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Cont.	Tail Length	Description	Price Each			
							1	25	50	100
* 517-10226-1A10VE	10226-1A10VE	B	Non-RoHS	26	0.15	M2.5 thread w/screw lock	5.20	4.75	4.50	4.25
517-10214-1210PE	10214-1210PE	B	RoHS	14	0.165	M2.5 thread w/screw lock	7.28	6.12	5.95	5.53
517-10220-1210PE	10220-1210PE	B	RoHS	20	0.165	M2.5 thread w/screw lock	7.45	6.26	6.05	5.65
517-10226-1210VE	10226-1210VE	B	Non-RoHS	26	0.165	M2.5 thread w/screw lock	7.74	6.51	6.35	5.87
517-10226-1210PE	10226-1210PE	B	RoHS	26	0.165	M2.5 thread w/screw lock	7.74	6.51	6.25	5.87
517-10240-1210PE	10240-1210PE	B	RoHS	40	0.165	M2.5 thread w/screw lock	8.94	7.52	7.15	6.79
517-10250-1210PE	10250-1210PE	B	RoHS	50	0.165	M2.5 thread w/screw lock	9.36	7.87	7.55	7.11

* Plating: 30μ" Gold

.050" Surface Mount Vertical Shielded Receptacles

- Wiper-on-wiper contact for reliable repetitive plugging
- Interface latch design for connection stability
- IEEE 1284C Interface as a 36 contact connector
- Insulation material: Beige glass reinforced polyester (PCT), UL94V-0
- Contact material: Copper alloy (C521)
- Plating: 30μ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vrms for 1 minute
- Temperature rating: -55°C to +105°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Cont.	Tail Length	Description	Price Each			
							1	25	50	100
517-10226-2210VE	10226-2210VE	C	Non-RoHS	26	0.091	M2.5 thread w/PCB lock	8.60	7.17	6.90	6.22

.050" IDC Wiremount Panelmount Shielded Receptacles

- Wire Accommodation: 28 AWG stranded, 30 AWG solid
- Wiper-on-wiper contact for reliable repetitive plugging
- Interface latch design for connection stability
- IEEE 1284C Interface as a 36 contact connector
- Insulation material: Black glass reinforced polyester (PBT), UL94V-0
- RoHS compliant per 3M documentation
- Contact material: Beryllium copper (C172)
- Plating: 30μ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vrms for 1 minute
- Temperature rating: -20°C to +85°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Cont.	Description	Price Each			
						1	25	50	100
517-10220-0210EC	10220-0210EC	D	RoHS	20	IDC Wiremount	8.88	7.47	7.15	6.74
517-10226-0210EC	10226-0210EC	D	RoHS	26	IDC Wiremount	9.61	8.78	8.32	7.85
517-10250-0210EC	10250-0210EC	D	RoHS	50	IDC Wiremount	12.52	10.53	10.05	9.51

.050" Boardmount Compliant Pin Vertical Shielded Receptacles

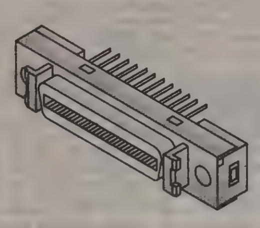
- Wiper-on-wiper contact for reliable repetitive plugging
- Rugged die cast metal case construction
- Insulation material: Black glass reinforced polyester (PBT), UL94V-0
- Contact material: Copper alloy (C521)
- RoHS compliant per 3M documentation
- Plating: 30μ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vrms for 1 minute
- Temperature rating: -20°C to +85°C

RoHS Compliant

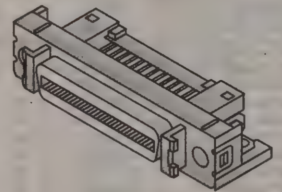
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Cont.	Description	Price Each			
						1	25	50	100
517-10214-R21TS	10214-R21TS	E	RoHS	14	M2.5 lockstand thread	8.69	7.31	7.05	6.60
517-10226-R21TS	10226-R21TS	E	RoHS	26	M2.5 lockstand thread	8.74	7.35	7.14	6.30
517-10236-R21TS	10236-R21TS	E	RoHS	36	M2.5 lockstand thread	9.17	7.73	7.45	6.98
517-10250-R21TS	10250-R21TS	E	RoHS	50	M2.5 lockstand thread	9.85	8.21	8.08	7.85

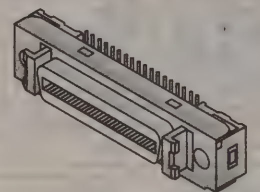
A



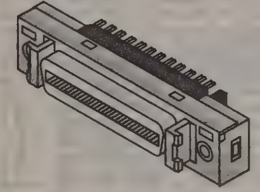
B



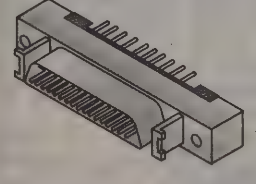
C



D



E



MINI D RIBBON (MDR) CONNECTORS

.050" Shielded Solder Plug Connectors

- Wiper-on-wiper contact for reliable repetitive plugging
- Solder cup termination requires no special tooling
- Accepts a wide varity of discrete wire (24 to 30 AWG)
- Insulation material: Black glass reinforced polyester (PCT), UL94V-0
- Contact material: Copper alloy (C521)
- Plating: 20μ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vrms for 1 minute
- Temperature rating: -55°C to +105°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Cont.	Style	Price Each			
						1	25	50	100
517-10114-3000VE	10114-3000VE	A	Non-RoHS	14	Solder Cup termination	6.16	5.13	4.72	4.68
517-10120-3000VE	10120-3000VE	A	Non-RoHS	20	Solder Cup termination	6.70	5.64	5.25	5.08
517-10126-3000VE	10126-3000VE	A	Non-RoHS	26	Solder Cup termination	7.49	6.23	5.75	5.68
517-10136-3000VE	10136-3000VE	A	Non-RoHS	36	Solder Cup termination	7.95	6.60	6.15	6.04
517-10150-3000VE	10150-3000VE	A	Non-RoHS	50	Solder Cup termination	8.99	7.51	7.05	6.82

.050" IDC Wiremount Shielded Plug Connectors

- Wiper-on-wiper contact for reliable repetitive plugging
- MDR digital LCD interface as a 20 or 26 contact connector
- IEEE 1284C Interface as a 36 contact connector
- Wire accommodation: 28 AWG stranded, 30 AWG solid
- Insulation material: Black glass reinforced polyester (PBT), UL94V-0
- RoHS compliant per 3M documentation
- Contact material: Beryllium copper (C172)
- Plating: 30μ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vrms for 1 minute
- Temperature rating: -20°C to +85°C

RoHS Compliant

*26 AWG Wire

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Cont.	Style	Price Each			
						1	25	50	100
517-10114-6000EC	10114-6000EC	B	RoHS	14	IDC Wiremount	4.87	4.05	3.75	3.69
517-10120-6000EC	10120-6000EC	B	RoHS	20	IDC Wiremount	5.03	4.19	3.95	3.82
517-10126-6000EC	10126-6000EC	B	RoHS	26	IDC Wiremount	5.20	4.32	4.01	3.95
517-10136-6000EC	10136-6000EC	B	RoHS	36	IDC Wiremount	6.24	5.25	4.85	4.74
517-10140-6000EC	10140-6000EC	B	RoHS	40	IDC Wiremount	6.45	5.42	5.15	4.89
517-10150-6000EC	10150-6000EC	B	RoHS	50	IDC Wiremount	6.88	5.75	5.28	5.22
517-10168-6000EC	10168-6000EC	B	RoHS	68	IDC Wiremount	7.07	5.89	5.78	5.59
*517-10168-6010EC	10168-6010EC	B	RoHS	68	IDC Wiremount	6.49	5.95	5.65	5.37
517-10180-6000EC	10180-6000EC	B	RoHS	80	IDC Wiremount	8.59	7.85	7.43	7.02
517-101A0-6000EC	101A0-6000EC	B	RoHS	100	IDC Wiremount	10.21	9.33	8.84	8.35

MINI D RIBBON (MDR) JUNCTION SHELLS AND ACCESSORIES

Non-Shielded Plastic Solder Plug Junction Shells

- Compatible with 101xx-3000VE plug connectors
- Design features durable two-piece backshell with ground strap
- Round straight exit
- Reliable metal strain relief clamp provides grounding for cable shield
- Quick release metal latching mechanism
- Shell material: Black glass reinforced polyester (PBT), UL94V-0
- Temperature rating: -20°C to +85°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Price Each			
					1	25	50	100
517-10314-52F0-008	10314-52F0-008	C	Non-RoHS	14	6.99	6.38	6.05	5.71
517-10320-52F0-008	10320-52F0-008	C	Non-RoHS	20	7.20	6.57	6.23	5.88
517-10326-52F0-008	10326-52F0-008	C	Non-RoHS	26	7.40	6.76	6.41	6.05
517-10336-52F0-008	10336-52F0-008	C	Non-RoHS	36	7.49	6.84	6.48	6.12
517-10350-52F0-008	10350-52F0-008	C	Non-RoHS	50	7.70	7.03	6.66	6.29

Black Non-Shielded Shell Kit

Compatible with 101xx-3000VE plug connectors

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Price Each			
					1	25	50	100
517-10320-52A0-008	10320-52A0-008	C	Non-RoHS	20	6.66	6.08	5.76	5.44
517-10336-52A0-008	10336-52A0-008	C	Non-RoHS	36	6.86	6.27	5.94	5.61
517-10350-52A0-008	10350-52A0-008	C	Non-RoHS	50	7.07	6.46	6.12	5.78

Plastic Shielded Junction Shell for Round Cable

- Compatible with 101xx-6000EC plug connectors
- Durable one piece plastic over two piece metal junction shell for straight round cable
- MDR digital LCD interface as a 20 or 26 contact connector
- Quick release latching
- Shell material: Beige ABS, UL94V-0

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Price Each			
					1	25	50	100
517-10314-3210-000	10314-3210-000	D	Non-RoHS	14	4.68	4.28	4.05	3.83
517-10320-3210-000	10320-3210-000	D	Non-RoHS	20	4.06	3.71	3.51	3.32
517-10326-3210-000	10326-3210-000	D	Non-RoHS	26	4.14	3.78	3.58	3.38
517-10336-3210-000	10336-3210-000	D	Non-RoHS	36	4.22	3.86	3.65	3.45
517-10350-3210-000	10350-3210-000	D	Non-RoHS	50	4.35	3.97	3.76	3.55
517-10368-3210-000	10368-3210-000	D	Non-RoHS	68	4.45	3.74	3.55	3.38

Metal Junction Shell for Round Cable

- Compatible with 101xx-6000EC plug connectors
- Rugged two-piece die cast metal shell with round straight exit
- Reliable metal strain relief clamp provides grounding for cable shield
- Excellent EMI/ESD protection
- Quick release latching
- Shell material: Aluminum .050" (1.27mm) thick

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	No. of Contacts	Price Each			
					1	25	50	100
517-10320-A200-00	10320-A200-00	E	Non-RoHS	20	10.15	9.27	8.78	8.30
517-10326-A200-00	10326-A200-00	E	Non-RoHS	26	10.92	9.98	9.45	8.93
517-10336-A200-00	10336-A200-00	E	Non-RoHS	36	11.54	10.55	9.99	9.44
517-10350-A200-00	10350-A200-00	E	Non-RoHS	50	12.90	11.78	11.16	10.54
517-10368-A200-00	10368-A200-00	E	Non-RoHS	68	13.52	11.37	11.05	10.27
517-103A0-A200-00	103A0-A200-00	E	Non-RoHS	100	16.31	14.50	12.69	11.60

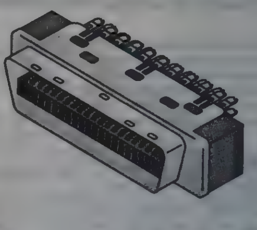
Jack Sockets

- Package of Two
- Thread Size M2.5/#4-40
- Stainless Steel
- 2.5 Inch/lbs.

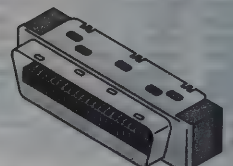
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Compliance	Thread Length	Socket Length	Price Each			
						1	25	50	100
517-3341-13	3341-13 KIT	F	Non-RoHS	.35"	.27"	2.91	2.66	2.52	2.38
517-3341-31	3341-31 KIT	F	Non-RoHS	.40"	.12"	3.70	3.38	3.20	3.03
517-3341-32	3341-32 KIT	F	Non-RoHS	.50"	.27"	3.57	3.25	3.08	2.91

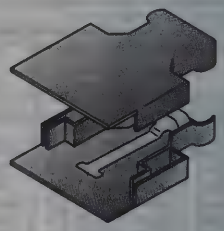
A



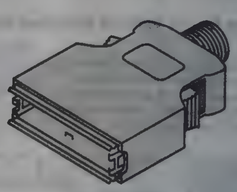
B



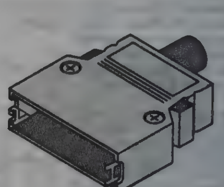
C



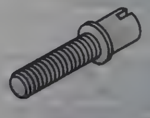
D



E



F



3M™ D-Subminiature Connectors

RoHS Compliant **This page of product is compliant.**

D-SUB CONNECTORS

Available in preassembled or two piece covers. Improved metal strain relief hooks directly to metal shell - Ordered Separately.

Features:
- Low profile
- Insulation Material: Glass Filled Polyester (PBT)
- Flammability: UL 94V-0
- Insulation Color: Gray
- Contact Material: Copper alloy
- Contact Plating: 30μ" Gold
- Shell Material: Steel
- Shell Plating: Tin
- Wire Accommodation: 26 and 28AWG solid or stranded
- Current Rating: 1A
- Withstanding Voltage: 1000 Vrms @ Sea level
- Temperature Rating: -15°C to +105°C
- RoHS Compliant per 3M documentation

RoHS Compliant

LR40971 E68080

Plugs - 8200 Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Mounting Style	Price Each			
					1	25	50	100
Open Two-Piece Cover								
517-8209-6000	8209-6000	A	9	Unthreaded Insert	5.01	4.58	4.17	3.81
517-8215-6000	8215-6000	A	15	Unthreaded Insert	5.70	5.21	4.80	4.38
517-8225-6000	8225-6000	A	25	Unthreaded Insert	6.47	5.91	5.38	4.91
517-8237-6000	8237-6000	A	37	Unthreaded Insert	8.36	7.64	6.95	6.35
517-8209-6003	8209-6003	A	9	4-40 UNC Threaded Insert	5.13	4.75	4.50	4.25
517-8215-6003	8215-6003	A	15	4-40 UNC Threaded Insert	6.82	6.23	5.67	5.18
517-8225-6003	8225-6003	A	25	4-40 UNC Threaded Insert	7.36	6.73	6.12	5.59
517-8237-6003	8237-6003	A	37	4-40 UNC Threaded Insert	9.13	7.68	7.35	6.93
Open Preassembled Cover Without Adhesive								
517-8209-8000	8209-8000	B	9	Unthreaded Insert	4.20	3.90	3.69	3.49
517-8215-8000	8215-8000	B	15	Unthreaded Insert	5.67	5.26	5.01	4.75
517-8225-8000	8225-8000	B	25	Unthreaded Insert	5.45	5.05	4.79	4.52
517-8237-8000	8237-8000	B	37	Unthreaded Insert	8.95	8.45	7.95	7.61

Sockets - 8300 Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Mounting Style	Price Each			
					1	25	50	100
Open Two-Piece Cover								
517-8309-6000	8309-6000	C	9	Unthreaded Insert	4.28	3.91	3.71	3.50
517-8315-6000	8315-6000	C	15	Unthreaded Insert	4.91	4.48	4.25	4.01
517-8325-6000	8325-6000	C	25	Unthreaded Insert	6.57	6.00	5.47	4.99
517-8337-6000	8337-6000	C	37	Unthreaded Insert	8.49	7.75	7.06	6.45
517-8309-6003	8309-6003	C	9	4-40 UNC Threaded Insert	5.25	4.86	4.61	4.35
517-8315-6003	8315-6003	C	15	4-40 UNC Threaded Insert	7.03	6.42	5.85	5.34
517-8325-6003	8325-6003	C	25	4-40 UNC Threaded Insert	7.47	6.82	6.21	5.67
517-8337-6003	8337-6003	C	37	4-40 UNC Threaded Insert	9.13	8.34	7.59	6.94
Open Preassembled Cover Without Adhesive								
517-8309-8000	8309-8000	D	9	Unthreaded Insert	4.20	3.90	3.69	3.49
517-8315-8000	8315-8000	D	15	Unthreaded Insert	5.88	5.42	5.20	4.26
517-8325-8000	8325-8000	D	25	Unthreaded Insert	6.57	6.00	5.47	5.37
517-8337-8000	8337-8000	D	37	Unthreaded Insert	7.07	6.56	6.21	5.87

STRAIN RELIEFS

- RoHS compliant per 3M documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	25	50	100
517-3448-8D09A	3448-8D09A	9 Pin Strain Relief	.25	.23	.21	.19
517-3448-8D15A	3448-8D15A	15 Pin Strain Relief	.33	.31	.28	.27
517-3448-8D25A	3448-8D25A	25 Pin Strain Relief	.33	.31	.28	.27
517-3448-8D37A	3448-8D37A	37 Pin Strain Relief	.33	.31	.28	.27
517-3448-8D50	3448-8D50	50 Pin Strain Relief	.62	.52	.49	.47

TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	5
517-3640	3640	Press	436.09	421.05
517-3443-106N	3443-106N	Locator Plate for 9, 15, 25, 37 Pin Connectors	392.79	379.25
517-3443-112	3443-112	Locator Plate for 50 Pin Connectors	156.00	135.20
517-3442-39N	3442-39N	Platen for 9P and 15P Plug Connectors	150.23	140.21
517-3442-41N	3442-41N	Platen for 25P and 37P Plug Connectors	150.23	135.20
517-3442-9	3442-9	Platen for 9, 15, 25, 37 Pin Socket Connectors	134.16	90.30
517-3442-44	3442-44	Platen for 50P Plug and Socket Connectors	76.50	66.30
517-3664-B	3664-B	Cable Stop for Preassembled Option	121.59	105.38

METAL D-SUB CONNECTOR EMI HOODS

Designed to fit the 3M 8200 and 8300 series D-Sub connectors listed above.

Features:
- Provides EMI/ESD protection
- Provides option in grounding for discrete wire applications
- Light weight, compact design
- RoHS Compliant per 3M documentation
- Color: Black
- Flammability: UL94V-0
- Material: Steel
- Plating: Nickel
- Cover Nut Material: Glass Filled Polyester (PBT)

* 50 Position has a cast aluminum shell

RoHS Compliant

For quantities of 200 and up, call for quote.

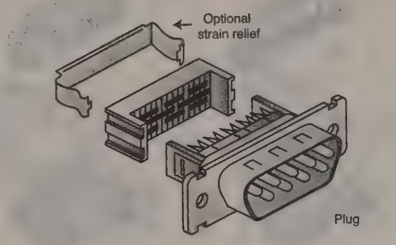
MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each			
				1	25	50	100
517-3357-9209	3357-9209	E	Use with 9 pin d-sub	3.92	3.59	3.27	2.98
517-3357-9215	3357-9215	E	Use with 15 pin d-sub	4.34	3.98	3.62	3.30
517-3357-9225	3357-9225	E	Use with 25 pin d-sub	4.98	4.54	4.14	3.78
517-3357-9237	3357-9237	E	Use with 37 pin d-sub	7.26	6.63	6.03	5.52
*517-3357-9250	3357-9250	E	Use with 50 pin d-sub	11.40	10.41	9.86	8.65

ACCESSORIES

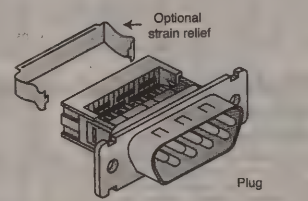
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	25	50	100
517-3341-7	3341-7	Thumb Screw Kit	3.97	3.63	3.44	3.25
517-3808-ER	3808-ER	Retainer Ring	.40	.36	.34	.32
517-3505-62	3505-62	Latch Bracket for 50P	1.95	1.88	1.73	1.32

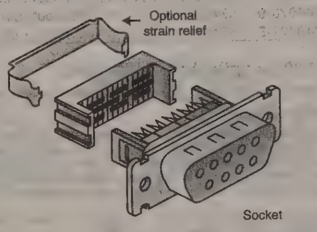
A



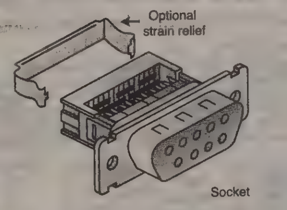
B



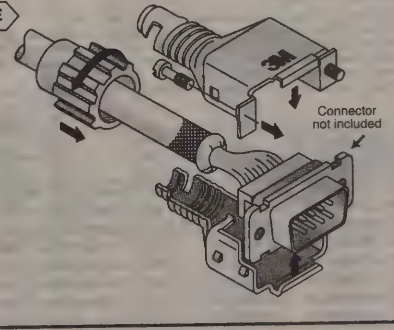
C



D

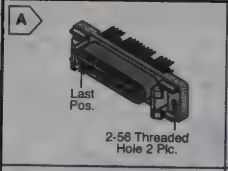


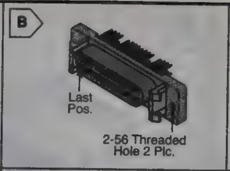
E

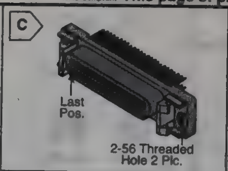


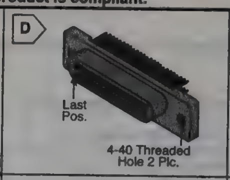
AMPLIMITE .050 Connectors

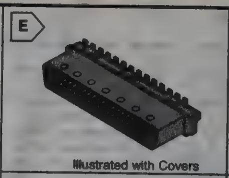
RoHS Compliant **This page of product is compliant.**

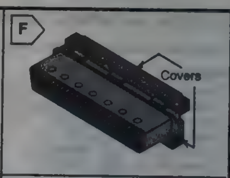


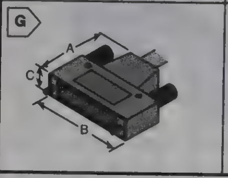


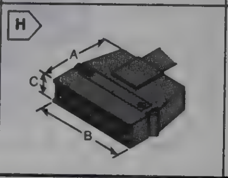


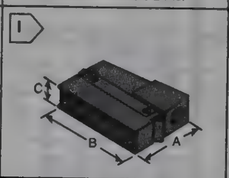


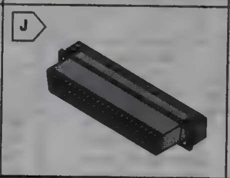


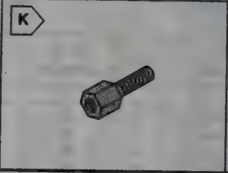


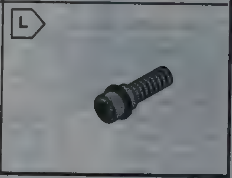












Description:

- Compatible with SCSI-2, EIA RS-232, HIPPI and IPI-2 standards
- High-density D type interface
- Shields mate before contacts, with ground mating first and breaking last
- Recognized under the Component Program of Underwriters Laboratories, Inc. File No. E28476
- Certified by Canadian Standards Association, File No. LR 7189A-207
- Series I - will intermate with 50, 68 and 96 position connectors in Series II and Series III
- Series III - will intermate with all Series II positions and the 50, 68, and 96 position Series I

VERTICAL RECEPTACLE HEADERS, SERIES III

.125 (3.18) Solder Tail Length

Material and Finish:

- Housing: Thermoplastic, UL94V-0 rated, black, SMT compatible
- Shell: Steel, plated .000200 (0.00508) min. bright tin over .000050 (0.00127) min. copper
- Bracket: Zinc, plated nickel over copper
- Contacts: Phosphor bronze, duplex plated .000030 (0.00076) min. gold on mating end
- .000120 (0.00304) min. tin-lead on solder end all underplated .000050 (0.00127) min. nickel

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos	Description	Price Each		
					1	10	100
571-5749069-7	5749069-7	A	68	With rails and latch blocks	6.68	6.01	5.68
571-5749070-7	5749070-7	A	68	Without rails & without latch blocks	6.76	6.35	4.84
571-5749070-9	5749070-9	A	100	Without rails & without latch blocks	15.28	12.22	9.77
571-5749721-5	5749721-5	B	50	Without rails and with latch blocks	7.01	6.29	5.34

.173 (4.39) Length, Action PIN Tails

Headers with contact tail lengths of .173 are designed for boards with a nominal thickness of .062 (1.56) and .093 (2.36).

Material and Finish:

- Housings: Thermoplastic, UL94V-0 rated, black, SMT compatible
- Shell: Carbon steel, plated .000200 (0.00508) min. bright tin over .000050 (0.00127) min copper
- Bracket: Zinc, plated .000150 (0.0038) min. nickel over .000200 (0.00508) min copper
- Contacts: Phosphor bronze, duplex plated .000030 (0.00076) min. gold on mating end, .000150 (0.0038) min. tin-lead on opposite end all underplated .000050 (0.00127) min. nickel

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Each		
					1	10	100
571-5786554-5	5786554-5	C	50	With rails & latch blocks	8.74	7.16	5.72
571-5786554-7	5786554-7	C	68	With rails & latch blocks	12.74	11.47	10.83
571-5786555-7	5786555-7	D	68	Without rails & without latch blocks	10.56	8.60	6.88

CABLE PLUG CONNECTORS, SERIES III

Connector with Unassembled Wire Lacing Termination Covers

Material and Finish:

- Housing and Covers: Thermoplastic, UL94V-0 rated, gray
- Contacts: Phosphor bronze, duplex plated .000030 (0.00076) min. gold on mating end, .000050 (0.00127) min. tin-lead on termination end, all underplated .000050 (0.00127) min. nickel
- Shell: Steel, plated .000010 (0.00025) min. tin-nickel alloy over .000150 (0.00381) min. nickel over .000100 (0.00254) min. copper
- Recommended wire size: 28 AWG or 30 AWG, solid or 7 strand, with a .029-.036 insulation diameter

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Each		
					1	10	100
571-1-5750913-5	1-5750913-5	E	50	.029-.031 (.74-.79) outer wire dia. Gray	7.42	6.77	5.53

Connectors with Standard Termination Covers

Material and Finish:

- Housings and Covers: Thermoplastic, UL94V-0 rated, black
- Contacts: Phosphor bronze, duplex plated .000030 (0.00076) min. gold on mating end, .000050 (0.00127) min. tin-lead on termination end, all underplated .000050 (0.00127) min. nickel
- Shell: Steel, plated .000010 (0.00025) min. tin-nickel alloy over .000150 (0.0038) min. nickel over .000100 (0.00254) min. copper
- Recommended wire size: 28 AWG or 30 AWG, solid or 7 strand, with a .029-.036 insulation diameter

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Each		
					1	10	100
571-5749111-1	5749111-1	F	20	Assembled Covers	5.20	4.26	3.40
571-5749111-6	5749111-6	F	68	Assembled Covers	7.35	5.88	4.70
571-5749111-8	5749111-8	F	100	Assembled Covers	20.64	18.58	13.00
571-5749621-2	5749621-2	F	26	Unassembled Covers	5.20	4.26	3.40
571-5749621-5	5749621-5	F	50	Unassembled Covers	4.78	3.90	3.12
571-5749621-7	5749621-7	F	68	Unassembled Covers	5.20	4.26	3.40
571-5749621-8	5749621-8	F	80	Unassembled Covers	15.52	12.70	10.16
571-5749621-9	5749621-9	F	100	Unassembled Covers	13.80	11.28	9.02

SHIELDED BACKSHELL KITS, SERIES III

With Male Jackscrews

Materials:

- Jackscrews: Steel, plated black zinc
- Jackscrew Caps: Polyolefin or PVC, black
- 2-56 Screws: Stainless Steel
- Backshell: Zinc, plated nickel over copper
- Strain Relief Staple: Steel, plated tin-lead over nickel

Features:

- Each kit includes upper and lower backshells, two male jackscrews, one strain relief staple and two 2-56 screws.
- Packaged unassembled

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Dimension			Max. O.D.	Price Each		
				A	B	C		1	10	100
571-5749080-1	5749080-1	G	50	1.270	2.085	.480	.400	12.94	10.60	8.48
571-5749081-1	5749081-1	G	100	1.695	3.325	.595	.500	16.88	13.50	10.80
571-5749854-1	5749854-1	G	100	2.082	3.325	.615	.550	16.88	13.50	10.80

Straight and Angled Exit RFI/EMI Shields (Two-Piece) for Jacketed Cable-With Spring Latches

Materials:

- Backshell: Zinc, plated nickel over copper
- Spring Latch: Stainless Steel
- 2-56 Screws: Stainless Steel
- Strain Relief Staple: Steel, plated tin-lead over nickel

Features:

- Each kit includes upper and lower backshells, two male jackscrews, one strain relief staple and two 2-56 screws.
- Packaged unassembled

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Dimension			Max. O.D.	Price Each		
				A	B	C		1	10	100
Straight with Latches										
571-749193-6	749193-6	H	50	1.395	1.965	.480	.400	4.28	3.85	3.64
571-5749195-2	5749195-2	H	68	1.405	2.415	.520	.440	9.98	8.18	6.54
571-749196-2	749196-2	H	80	1.600	2.715	.565	.500	10.20	9.18	8.67
Angled with Latches										
571-5749609-1	5749609-1	I	26	1.290	1.365	.400	.270	10.26	8.42	6.73
571-5749202-2	5749202-2	I	50	1.395	1.965	.480	.400	11.16	9.14	7.31

PLUG ASSEMBLY UNSHIELDED, SERIES III

For .025 (0.64) Centerline Ribbon Cable

Material and Finish:

- Covers: Thermoplastic, UL94V-0 rated, black
- Contacts: Phosphor Bronze, duplex plated .000030 (0.00076) min. gold on mating end, .000050 (0.00127) min. bright tin-lead on termination end, all over .000050 (0.00127) min. nickel underplating
- Recommended wire size: .025 (0.64) centerline, 30 AWG solid or 7 strand, PVC, flat ribbon cable.
- Cable must be approved by Tyco engineering

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Description	Price Each		
					1	10	100
571-5786090-7	5786090-7	J	68	Plug Assembly	2.32	1.95	1.66

SCREWLOCK KITS, SERIES III-FEMALE

Materials:

- Stainless Steel
- Includes Two Screwlocks
- Used with Vertical Receptacle Headers

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Thread Size	Description	Price Each		
					1	10	100
571-7490871	749087-1	K	4-40	Kit	2.36	2.25	2.02
571-7865852	786585-2	L	2-56	Kit	2.80	2.42	1.96

AMPLIMITE D-Subminiature Connectors

Tyco Electronics
Authorized Distributor

HD-20 SERIES, PCB CONNECTORS

- Shell: Steel, tin plated
- Contacts: Pins - brass, sockets - phosphor bronze
- Contact Plating: (a) Gold on mating end, tin on termination end, nickel underplated
  (b) Same as (a) with gold flash on mating end

Straight Posted Connectors, Front Metal-Shell

- Housing: UL 94V-0 black thermoplastic
- Threaded Inserts: Brass, unplated
- Female Screwlocks: Zinc
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No of Pos.	Post Length (In.)	Plating Code	Price Each		
							1	10	100
With Standard Mounting Holes									
571-5747871-2	5747871-2	A	1	9	0.125	a	4.20	3.50	2.80
571-5747872-4	5747872-4	A	2	15	0.170	a	3.60	3.24	3.06
571-5747375-2	5747375-2	A	4	37	0.125	a	10.82	9.74	9.20
With Threaded Inserts									
571-5747871-8	5747871-8	B	1	9	0.125	a	5.78	5.36	5.04
571-5747872-8	5747872-8	B	2	15	0.125	a	6.01	5.81	4.63
571-5745968-8	5745968-8	B	3	25	0.125	a	7.92	7.13	6.73
571-5747375-8	5747375-8	B	4	37	0.125	a	9.86	8.87	8.38
With Female Screwlocks									
571-1-5747871-4	1-5747871-4	C	1	9	0.125	a	7.00	6.15	5.10
571-1-5745968-4	1-5745968-4	C	3	25	0.125	a	8.64	7.20	5.76

RoHS Compliant

Receptacles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No of Pos.	Post Length (In.)	Plating Code	Price Each		
							1	10	100
With Standard Mounting Holes									
571-5747150-2	5747150-2	D	1	9	0.125	a	4.35	3.62	2.90
571-5747299-2	5747299-2	D	2	15	0.125	a	4.20	4.13	4.06
571-5745967-2	5745967-2	D	3	25	0.125	a	6.20	5.58	5.27
With Threaded Inserts									
571-5747150-8	5747150-8	E	1	9	0.125	a	5.45	5.19	4.68
571-5747150-7	5747150-7	E	1	9	0.125	b	6.00	5.30	4.24
571-5747299-8	5747299-8	E	2	15	0.125	a	5.50	5.41	5.32
571-5745967-8	5745967-8	E	3	25	0.125	a	8.80	7.42	5.94
571-5745967-7	5745967-7	E	3	25	0.125	b	6.06	5.45	5.15
571-5747301-8	5747301-8	E	4	37	0.125	a	12.45	10.37	8.30
With Retention Inserts									
571-2-5747706-0	2-5747706-0	F	1	9	0.125	a	5.08	4.79	4.15
571-2-5747708-0	2-5747708-0	F	3	25	0.125	a	7.10	6.52	5.22
With Female Screwlocks									
571-2-5747706-0	2-5747706-0	G	1	9	0.125	a	5.08	4.79	4.15
571-1-5747150-6	1-5747150-6	G	1	9	0.170	a	6.72	6.05	4.96
571-1-5747299-4	1-5747299-4	G	2	15	0.125	a	6.30	5.25	4.20
571-1-5745967-4	1-5745967-4	G	3	25	0.125	a	6.22	5.60	5.29

Straight Posted Connectors, Full Metal-Shell

- Housing: UL 94V-0 black thermoplastic

RoHS Compliant

Plugs with Mounting Holes

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No of Pos.	Post Length (In.)	Plating Code	Price Each		
							1	10	100
571-5745410-1	5745410-1	H	1	9	0.125	a	5.64	4.75	3.80
571-5745411-1	5745411-1	H	2	15	0.125	a	7.20	6.48	6.12

RoHS Compliant

Receptacles with Mounting Holes

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No of Pos.	Post Length (In.)	Plating Code	Price Each		
							1	10	100
571-5745183-2	5745183-2	I	1	9	0.125	b	5.50	4.95	4.68
571-5745187-1	5745187-1	I	3	25	0.125	a	8.58	8.01	6.42

Straight Posted Connectors, with ACTION PIN Contacts, Front Metal-Shell

- Housing: UL 94V-0 black thermoplastic
- ACTION PIN Contacts: Copper Alloy

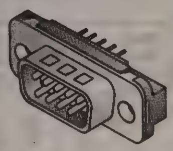
RoHS Compliant

Receptacles with Threaded Inserts

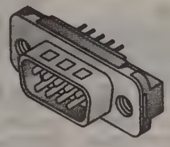
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No of Pos.	Post Length (In.)	Plating Code	Price Each		
							1	10	100
571-5747090-2	5747090-2	J	1	9	0.228	a	5.00	4.50	4.25

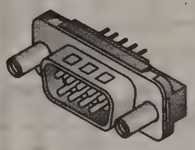
A



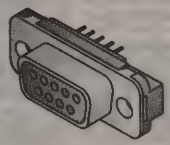
B



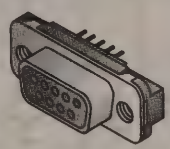
C



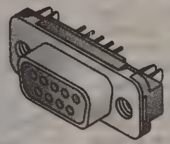
D



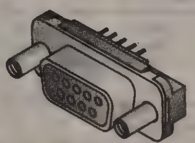
E



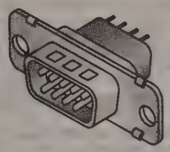
F



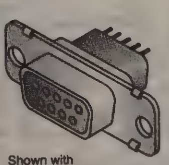
G



H

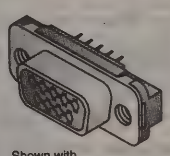


I



Shown with mounting holes

J



Shown with threaded inserts

"D" Connectors

AMP

HD-20 SERIES RIGHT ANGLE CONNECTORS, FRONT METAL SHELL

- Shell: Steel, tin plated
- Contacts: Pins - brass, sockets - phosphor bronze
- .318 PCB footprint
- Housing: UL 94V-0 black thermoplastic
- Contact Plating: (a) Gold on mating end, tin on termination end, nickel underplated
  (b) Gold flash on mating end, tin on termination end, nickel underplated
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Post Length (in.)	Plating Code	Price Each		
							1	10	100
Without boardlocks, with threaded inserts									
571-5747250-4	5747250-4	A	1	9	0.125	a	2.99	2.55	2.22
571-5747236-4	5747236-4	A	2	15	0.125	a	7.35	6.07	5.42
571-5747238-4	5747238-4	A	3	25	0.125	a	4.65	4.19	3.95
571-5747252-4	5747252-4	A	4	37	0.125	a	14.08	13.11	10.73
With boardlocks & threaded inserts									
571-5747840-4	5747840-4	A	1	9	0.125	a	1.67	1.39	1.31
571-5747840-3	5747840-3	A	1	9	0.125	b	2.67	2.29	1.81
571-5747841-4	5747841-4	A	2	15	0.125	a	2.62	2.22	1.99
571-5747842-4	5747842-4	A	3	25	0.125	a	4.08	3.88	3.30
571-5747843-4	5747843-4	A	4	37	0.125	a	4.77	3.97	3.18
With boardlocks & female screwlocks									
571-5747840-6	5747840-6	A	1	9	0.125	a	2.42	2.31	1.93
571-5747841-6	5747841-6	A	2	15	0.125	a	2.62	2.22	1.99
571-5747842-6	5747842-6	A	3	25	0.125	a	8.01	7.40	6.66
571-5747842-5	5747842-5	A	3	25	0.125	b	11.40	9.67	7.74

Receptacles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Post Length (in.)	Plating Code	Price Each		
							1	10	100
Without boardlocks, with threaded inserts									
571-5745781-4	5745781-4	B	1	9	0.125	a	2.85	2.42	2.04
571-5745781-3	5745781-3	B	1	9	0.125	b	3.47	3.09	2.36
571-5745782-4	5745782-4	B	2	15	0.125	a	3.57	3.12	2.49
571-5745783-4	5745783-4	B	3	25	0.125	a	4.15	3.66	2.95
571-5745783-3	5745783-3	B	3	25	0.125	b	4.52	4.30	3.87
571-5745784-4	5745784-4	B	4	37	0.125	a	6.81	5.67	4.54
Without boardlocks, with female screwlocks									
571-5745781-6	5745781-6	B	1	9	0.125	a	6.46	5.93	4.60
571-5745783-6	5745783-6	B	3	25	0.125	a	6.78	6.60	6.28
571-5745783-5	5745783-5	B	3	25	0.125	b	3.37	2.82	2.40
With boardlocks & threaded inserts									
571-5747844-4	5747844-4	B	1	9	0.125	a	2.34	2.02	1.81
571-5747844-3	5747844-3	B	1	9	0.125	b	2.44	2.12	1.90
571-5747845-4	5747845-4	B	2	15	0.125	a	2.34	2.02	1.81
571-5747845-3	5747845-3	B	2	15	0.125	b	2.34	2.02	1.81
571-5747846-4	5747846-4	B	3	25	0.125	a	3.81	3.39	2.70
571-5747847-4	5747847-4	B	4	37	0.125	a	5.75	5.04	4.38
With boardlocks & female screwlocks									
571-5747844-5	5747844-5	B	1	9	0.125	b	2.44	2.12	1.90
571-5747845-6	5747845-6	B	2	15	0.125	a	6.56	5.91	5.41
571-5747845-5	5747845-5	B	2	15	0.125	b	6.59	5.82	4.66
571-5747846-6	5747846-6	B	3	25	0.125	a	4.47	3.82	3.18
571-5747846-5	5747846-5	B	3	25	0.125	b	3.05	2.79	2.18
571-5747847-6	5747847-6	B	4	37	0.125	a	6.81	5.67	4.54

HD-20 SERIES RIGHT ANGLE CONNECTORS, FULL METAL SHELL

- Shell: Steel, tin plated
- Contacts: Pins - brass, sockets - phosphor bronze
- 545 PCB footprint
- Insert: UL 94V-0 black thermoplastic
- Contact Plating: (a) Gold on mating end, tin on termination end, nickel underplated
  (b) Gold flash on mating end, tin on termination end, nickel underplated
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Plugs with Standard Mounting Screws

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Post Length (in.)	Plating Code	Price Each		
							1	10	100
571-5745351-4	5745351-4	C	1	9	0.125	a	13.22	11.90	11.24
571-5745355-4	5745355-4	C	5	50	0.125	a	30.66	26.99	22.66

Receptacles with Standard Mounting Screws

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Post Length (in.)	Plating Code	Price Each		
							1	10	100
571-5745112-2	5745112-2	D	1	9	0.125	a	15.78	13.10	12.10
571-5745114-2	5745114-2	D	3	25	0.125	a	22.33	19.00	16.22
571-5745116-2	5745116-2	D	5	50	0.125	a	32.62	29.76	25.78

HD-20 SERIES RIGHT ANGLE CONNECTORS, PLASTIC SHELL

- Shell: Steel, tin plated
- Contacts: Pins - brass, sockets - phosphor bronze
- Shell and housing: UL 94V-0 black thermoplastic
- Standard mounting holes
- 590 PCB footprint
- Contact Plating: (a) Gold on mating end, tin on termination end, nickel underplated
  (b) Gold flash on mating end, tin on termination end, nickel underplated
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Plugs Without Boardlocks

For quantities of 500 and up, call for quote.

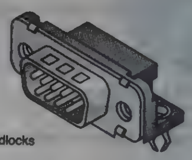
MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Post Length (in.)	Plating Code	Price Each		
							1	10	100
571-5747468-2	5747468-2	E	2	15	0.125	a	10.48	9.95	7.96
571-5748826-2	5748826-2	E	3	25	0.125	b	4.46	4.01	3.79

Receptacles Without Boardlocks

For quantities of 500 and up, call for quote.

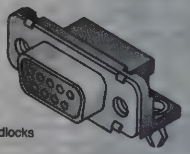
MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Post Length (in.)	Plating Code	Price Each		
							1	10	100
571-5748826-2	5748826-2	F	1	9	0.125	b	4.46	4.01	3.79
571-5747461-1	5747461-1	F	3	25	0.125	b	6.09	5.07	4.06

A



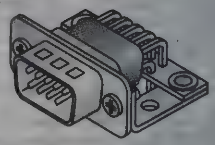
Shown with boardlocks

B

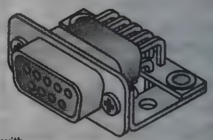


Shown with boardlocks

C

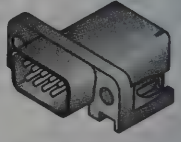


D

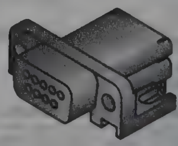


Shown with standard mounting screws

E



F



AMPLIMITE D-Subminiature Connectors

Tyco Electronics
Authorized Distributor

HD-20 SOLDER CUP CONNECTORS

- Contacts: Phosphor bronze, with gold flash on mating end, tin-lead on solder cup, all nickel underplating
- Insert: UL 94V-0 thermoplastic, black
- Shell: Steel, tin or zinc plated
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each		
					1	10	100
Plugs, Zinc Plating							
571-5-747904-2	5-747904-2	A	1	9	3.01	2.69	2.03
571-5-747908-2	5-747908-2	A	2	15	2.58	2.32	2.19
571-5-747912-2	5-747912-2	A	3	25	3.24	3.16	3.01
571-5-747916-2	5-747916-2	A	4	37	6.43	5.48	4.42
Plugs, Tin Plating							
571-5-747904-2	5-747904-2	A	1	9	3.01	2.69	2.03
571-5-747908-2	5-747908-2	A	2	15	2.68	2.32	1.90
571-5-747912-2	5-747912-2	A	3	25	3.56	3.04	2.41
571-5-747916-2	5-747916-2	A	4	37	5.35	4.93	3.98
Receptacles, Zinc Plating							
571-5-747905-2	5-747905-2	B	1	9	1.98	1.78	1.68
571-5-747913-2	5-747913-2	B	3	25	4.48	4.03	3.68
Receptacles, Tin Plating							
571-5-747905-2	5-747905-2	B	1	9	2.78	2.23	1.68
571-5-747909-2	5-747909-2	B	2	15	4.81	4.15	3.40
571-5-747913-2	5-747913-2	B	3	25	4.55	3.88	3.10
571-5-747917-2	5-747917-2	B	4	37	6.59	5.85	4.74

HDE-20 IDC CONNECTORS, METAL SHELL (For Discrete Wire)

- Wire size: 26-22 AWG
- Shell: Steel, tin-plated
- Insert: UL94V-0 black thermoplastic
- Contacts: Phosphor bronze
- Plating: 30μ" gold on mating end, tin on termination end, all nickel underplated
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Preloaded with IDC crimp contacts. Use extraction tool 571-912321.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each		
					1	10	100
Plugs							
571-1-745492-8	1-745492-8	C	1	9	3.19	3.04	2.74
571-1-745494-5	1-745494-5	C	2	15	4.42	3.98	3.76
571-1-745496-7	1-745496-7	C	3	25	4.26	3.83	3.62
Receptacles							
571-1-745491-7	1-745491-7	D	1	9	3.00	2.70	2.55
571-1-745493-4	1-745493-4	D	2	15	4.12	3.91	3.50
571-1-745495-8	1-745495-8	D	3	25	6.58	5.92	5.59

HDF-20 SERIES (For Flat Ribbon Cable)

Low Profile, All Plastic Connectors

- Shell, housing, & cover: UL 94V-0 black thermoplastic
- Plating: gold on mating end, tin on solder end, all over nickel underplated
- Contacts: phosphor-bronze
- Standard mounting holes
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

✻ Threaded inserts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each		
					1	10	100
Plugs							
571-1658615-4	1658615-4	E	1	9	4.90	4.67	4.20
571-1658615-3	1658615-3	E	2	15	5.43	4.89	4.62
571-1658615-2	1658615-2	E	3	25	6.78	6.10	5.76
571-1658615-1	1658615-1	E	4	37	9.27	8.34	7.88
Receptacles							
571-1658614-4	1658614-4	F	1	9	4.36	3.93	3.71
571-1658610-4	1658610-4	F	1	9	6.65	6.33	5.70
571-1658614-3	1658614-3	F	2	15	5.08	4.57	4.32
571-1658614-2	1658614-2	F	3	25	6.78	6.10	5.76
571-1658614-1	1658614-1	F	4	37	9.27	8.34	7.88

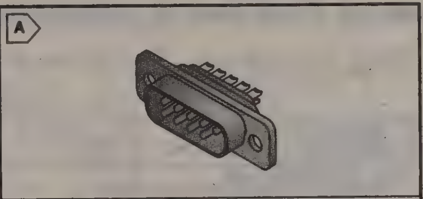
Low Profile Connectors, Metal Shell

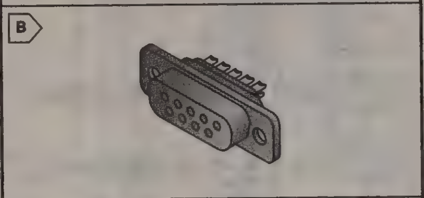
- Housing, cover, and cable stabilizer: UL 94V-0 black thermoplastic
- Shell: steel, tin plated
- Standard mounting holes
- RoHS Compliant per Tyco Electronics documentation

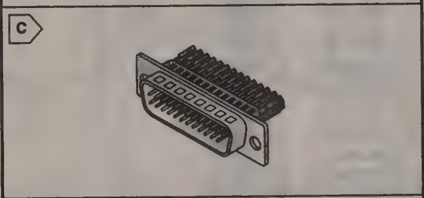
RoHS Compliant

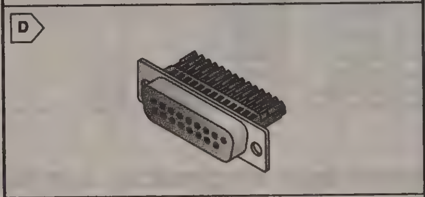
For quantities of 500 and up, call for quote.

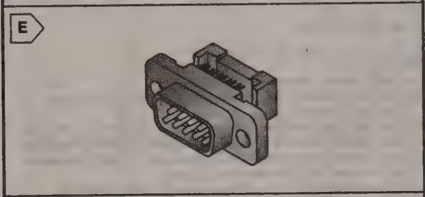
MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each		
					1	10	100
Plugs							
571-1658613-4	1658613-4	G	1	9	6.10	5.25	4.01
571-1658613-4	1658613-3	G	3	15	5.65	5.38	4.84
571-1658613-2	1658613-2	G	3	25	7.16	6.44	6.09
571-1658613-1	1658613-1	G	4	37	9.59	8.63	8.15
Receptacles							
571-1658612-4	1658612-4	H	1	9	5.05	4.55	4.29
571-1658612-3	1658612-3	H	2	15	5.65	5.38	4.84
571-1658612-2	1658612-2	H	3	25	7.30	6.57	6.21
571-1658612-1	1658612-1	H	4	37	9.59	8.63	8.15
Cable Stabilizer							
571-7472754	7472754	I	1	9	.36	.33	.25
571-7472753	7472753	I	2	15	.48	.42	.37
571-7472752	7472752	I	3	25	.57	.53	.48
571-747275-1	747275-1	I	4	37	.63	.32	.27

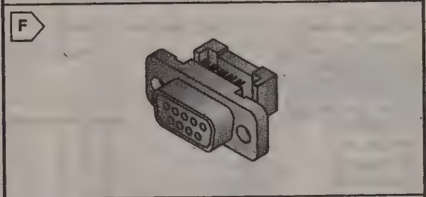


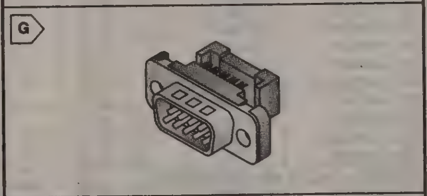


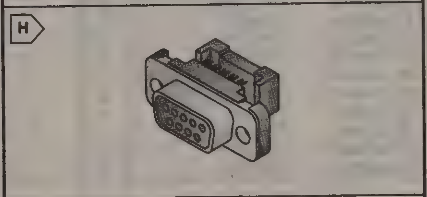


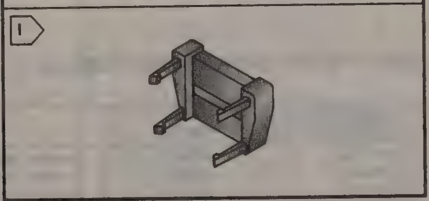












AMPLIMITE D-Subminiature Connectors

HDP-20, CRIMP SNAP-IN CONTACT CONNECTORS

- Insert: UL 94V-0 thermoplastic, black
- Shell: steel, zinc or tin plated
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Pos.	Price Each		
					1	10	100
Plugs, Zinc Plating Shells							
571-205204-9	205204-9	A	1	9	1.18	1.03	.91
571-205206-9	205206-9	A	2	15	1.52	1.35	1.05
571-5205208-1	5205208-1	A	3	25	1.04	.93	.88
571-205210-8	205210-8	A	4	37	1.60	1.44	1.36
571-1658641-3	1658641-3	A	5	50	1.94	1.75	1.65
Plugs, Tin Plated Shells, Without Grounding Indents							
571-205204-8	205204-8	A	1	9	1.45	1.40	.90
571-205206-8	205206-8	A	2	15	1.30	1.17	1.11
571-207464-7	207464-7	A	3	25	1.35	1.29	1.16
Plugs, Tin Plated Shells, With Grounding Indents							
571-2052044	205204-4	B	1	9	.87	.81	.57
571-2052063	205206-3	B	2	15	1.09	.97	.91
571-2074642	207464-2	B	3	25	.97	.85	.66
571-2052103	205210-3	B	4	37	1.77	1.58	1.27
571-1658641-2	1658641-2	B	5	50	1.55	1.48	1.33
Receptacle, Zinc Plating Shells							
571-205203-8	205203-8	C	1	9	1.25	.92	.83
571-205205-7	205205-7	C	2	15	1.47	1.42	.92
571-5205207-1	5205207-1	C	3	25	1.17	1.08	.75
571-205209-7	205209-7	C	4	37	1.60	1.44	1.36
571-1658640-2	1658640-2	C	5	50	2.68	2.41	2.28
Receptacle, Tin Plating Shells							
571-2052033	205203-3	C	1	9	.85	.80	.76
571-2052052	205205-2	C	2	15	.87	.82	.65
571-2074631	207463-1	C	3	25	1.05	.98	.74
571-2052092	205209-2	C	4	37	1.26	1.13	.90
571-1658640-1	1658640-1	C	5	50	2.42	2.18	2.06

CRIMP, SNAP-IN CONTACTS - SIZE 20 DF

- Use with HDP series

Plating:
(a) Gold flash over nickel on entire contact
(b) Gold on mating end, tin on termination end, with entire contact nickel underplated
(c) Gold flash over all nickel underplated, additional gold on mating end
(d) Gold flash on mating end, tin on crimp barrel, all nickel underplated
(e) 30μ" Gold on mating end, tin on crimp barrel, all nickel underplated
(f) 30μ" Gold on mating and termination ends
(g) Gold on mating end, tin on crimp barrel, all nickel underplated

RoHS Compliant

Use insertion/extraction tool 571-912851; Crimp Tool 571-584482

For quantities of 5000 and up, call for quote.

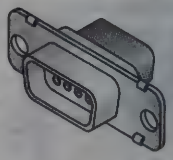
MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Size	Plating Code	Price Each		
					1	100	1000
Pins - (for use with Plugs)							
571-1665070	1-66507-0	D	28-24	a	.26	.18	.13
571-665703	66570-3	E	28-24	c	.24	.23	.22
571-666824	66682-4	D	28-24	d	.30	.27	.25
571-7452547	745254-7	D	26-22	a	.31	.28	.27
571-7452546	745254-6	D	26-22	d	.30	.27	.25
571-1658544-1	1658544-1	D	26-22	g	.36	.33	.31
571-1665060	1-66506-0	D	24-20	a	.13	.12	.11
571-2052027	205202-7	F	24-20	a	.45	.40	.32
571-1658539-4	1658539-4	D	24-20	d	.19	.17	.15
571-665069	66506-9	D	24-20	d	.17	.16	.15
571-5665067	5-66506-7	D	24-20	e	.17	.16	.15
571-1658539-3	1658539-3	D	24-20	g	.21	.19	.18
571-7452294	745229-4	F	24-20	f	.28	.26	.20
Sockets - (for use with Receptacles)							
571-1665050	1-66505-0	D	28-24	a	.19	.16	.15
571-666834	66683-4	D	28-24	d	.25	.23	.21
571-7452536	745253-6	D	26-22	d	.33	.30	.28
571-1665040	1-66504-0	D	24-20	a	.18	.16	.14
571-2052017	205201-7	O	24-20	a	.25	.23	.21
571-1658537-2	1658537-2	D	24-20	d	.17	.16	.15
571-2052015	205201-5	F	24-20	c	.48	.45	.43
571-665049	66504-9	D	24-20	d	.18	.16	.14
571-1658537-4	1658537-4	D	24.2	g	.22	.21	.19
571-665693	66569-3	E	18 max	c	.29	.26	.19

INSERTION / EXTRACTION TOOLS

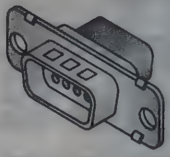
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-912851	91285-1	Insertion / extraction tool w/6 tips and wrench	15.75
571-910672	91067-2	Insertion / extraction tool	6.20
571-912321	91232-1	Extraction tool	8.10

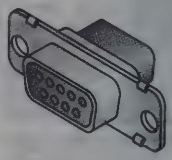
A



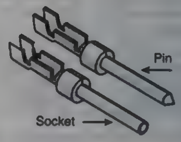
B



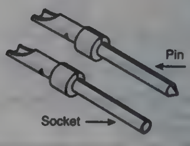
C



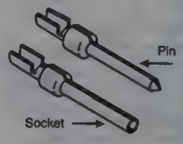
D



E



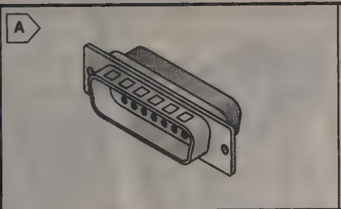
F



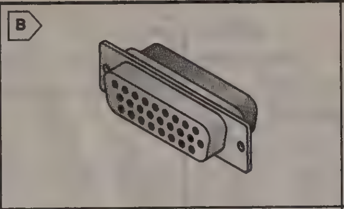
AMPLIMITE D-Subminiature Connectors

Tyco Electronics
Authorized Distributor

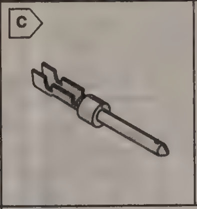
A



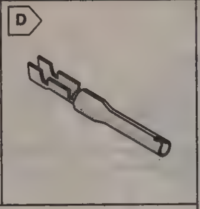
B



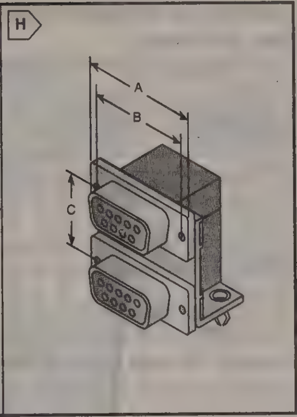
C



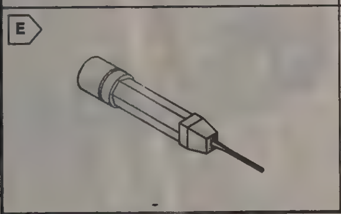
D



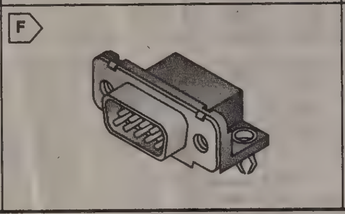
H



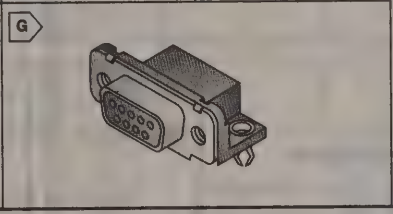
E



F



G



HDP-22 HIGH DENSITY, CRIMP SNAP-IN CONTACT CONNECTORS

Materials:

- Shell: steel, tin plated
- Insert: black thermoplastic, UL94V-0 rated

Contacts not included, order separately from Size 22 DF Contacts.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Price Each		
					1	10	100
Plugs, with Grounding Indents							
571-7483641	748364-1	A	1	15	2.28	2.17	1.95
571-1658671-1	1658671-1	A	2	26	3.56	3.20	3.03
571-1658672-1	1658672-1	A	3	44	3.98	3.58	3.38
571-1658673-1	1658673-1	A	4	62	3.84	3.46	3.26
571-1658674-1	1658674-1	A	5	78	5.42	4.88	4.61
Receptacles, with Grounding Indents							
571-1658681-1	1658681-1	B	1	15	2.35	2.11	2.00
571-1658682-1	1658682-1	B	2	26	3.98	3.58	3.38
571-1658683-1	1658683-1	B	3	44	5.04	4.54	4.28
571-1658684-1	1658684-1	B	4	62	6.70	6.03	5.70
571-1658685-1	1658685-1	B	5	78	8.14	7.33	6.16

HDP-22 Crimp Snap-In Contacts

Features:

- AWG size: 28-22
- Pin: brass
- Socket: phosphor bronze
- Plating:
  - (a) 30μ" gold on mating end, tin on crimp barrel, all nickel underplated
  - (b) Gold flash on mating end, tin on crimp barrel, all nickel underplated

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Plating Code	Type	Price Each		
					1	100	1000
571-1658670-2	1658670-2	C	a	Pin	.20	.18	.16
571-1658670-4	1658670-4	C	b	Pin	.14	.13	.12
571-1658686-2	1658686-2	D	a	Socket	.20	.18	.16
571-1658686-4	1658686-4	D	b	Socket	.14	.13	.12

Insertion/ Extraction Tool

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-912851	91285-1	E	Insertion / Extraction tool	15.75

HD-22 FRONT METAL SHELL, RIGHT ANGLE CONNECTORS

Features:

- PCB Mount
- High density, .350 PCB footprint with boardlocks
- Front shell: steel tin plated
- Housing: black thermoplastic, UL94V-0
- Contacts: pin-brass, socket-phosphor bronze .22DF
- Plating:
  - (a) 30μ" gold on mating end, tin on termination end, all nickel underplated
  - (b) Gold flash on mating end, tin on termination end, all nickel underplated
- RoHS Compliant per Tyco Electronics Documentation
- Shell: nickel plated steel
- Boardlocks: tin plated brass
- Threaded Inserts: tin plated brass
- Female Screwlocks: nickel plated brass

RoHS Compliant

Plugs with Boardlock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Plating Code	Mounting Hardware	Price Each		
							1	10	100
571-5749767-1	5749767-1	F	1	15	a	4-40 inserts	3.90	3.51	3.32
571-5749768-1	5749768-1	F	1	15	a	4-40 screw locks	4.82	4.34	4.10
571-5749769-1	5749769-1	F	2	26	a	4-40 inserts	8.30	7.47	7.06
571-5749771-1	5749771-1	F	3	44	a	4-40 inserts	12.52	11.27	10.64

Receptacles with Boardlock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Plating Code	Mounting Hardware	Price Each		
							1	10	100
571-1734530-3	1734530-3	G	1	15	a	4-40 screw locks	.98	.88	.83
571-1734344-1	1734344-1	G	1	15	b	4-40 inserts	.62	.56	.53
571-2-1734344-3	2-1734344-3	G	1	15	a	4-40 inserts	2.72	2.45	2.31
571-5748481-5	5748481-5	G	2	26	a	4-40 screw locks	5.42	4.88	4.61
571-5748482-5	5748482-5	G	3	44	■	4-40 inserts	3.64	3.28	3.09

HD-20 STACKED PCB CONNECTORS

AMPLIMITE HD-20 Stacked PCB Connectors add the advantage of reducing overall board real estate normally consumed by individual PCB connectors.

Materials:

- Housing: UL94V-0, Thermoplastic, Black
- Front Metal Shell: Tin Plated Steel
- Boardlocks: Tin Plated Brass
- Female Screwlocks: Nickel Plated Brass
- Threaded Inserts: Tin Plated Brass
- Brackets: Zinc
- Contact Pins: Brass
- RoHS Compliant per Tyco Electronics Documentation
- Contact Sockets: Phosphor Bronze
- Plating: .000030 (0.00076) gold on mating end, tin on solder tails with overall nickel underplate

28476 LR 7189 RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Upper D-Sub	Lower D-Sub	Dimensions: In.			Mounting Hardware	Price Each		
					A	B	C		1	10	100
571-1734279-3	1734279-3	H	9p Plug	9p Plug	1.22	0.984	0.750	4-40 inserts	14.86	9.77	9.23
571-1734285-3	1734285-3	H	9p Plug	9p Receptacle	1.22	0.984	0.750	4-40 inserts	9.46	7.00	6.71
571-1-1734282-3	1-1734282-3	H	15p Plug	15p Receptacle	1.55	1.31	0.750	4-40 inserts	13.72	12.35	11.66
571-1-1734285-3	1-1734285-3	H	15p Receptacle	15p Receptacle	1.55	1.31	0.750	4-40 inserts	13.22	11.90	11.24
571-2-1734285-3	2-1734285-3	H	25p Receptacle	25p Receptacle	2.09	1.85	0.750	4-40 inserts	12.82	11.54	10.90
571-3-1734285-3	3-1734285-3	H	37p Receptacle	37p Receptacle	43.94	2.50	0.750	4-40 inserts	12.38	11.14	10.52

AMPLIMITE D-Sub Connectors and Hardware Kits

SERIES 109 CONNECTORS

(FOR MIL-C-24308)

- RoHS Compliant per Tyco Electronics Documentation
- Shell: steel, cadmium plated
- Standard mount

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Positions	Price Each		
					1	10	100
Plugs							
571-1757819-1	1757819-1	A	1	9	4.08	3.40	2.72
571-1757819-2	1757819-2	A	2	15	6.30	5.94	5.61
571-1757819-3	1757819-3	A	3	25	6.97	6.27	5.92
571-1757819-4	1757819-4	A	4	37	9.22	8.30	7.84
Receptacles							
571-1757820-1	1757820-1	B	1	9	4.08	3.40	2.72
571-1757820-2	1757820-2	B	2	15	6.60	5.94	5.61
571-1757820-3	1757820-3	B	3	25	5.13	4.27	3.42
571-1757820-4	1757820-4	B	4	37	9.20	8.28	7.82

Connector Contacts for Series 109 Connectors

- Wire Size: 20-24 AWG
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each		
				1	100	1000
571-2050891	205089-1	C	Pin	.51	.42	.37
571-2050901	205090-1	C	Socket	.47	.42	.40

Tools

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-910672	91067-2	Insertion/Extraction Tool	6.20
571-6019665	601966-5	Positioner for Series 109	171.68
571-6019661	601966-1	Crimp Tool	653.63

HARDWARE AND ACCESSORIES

Male Screw Retainers Kits, Thread Size 4-40

Includes: male screw - retention clip - stainless steel

- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Chromate Color	Price Each		
				1	10	100
For HDP-20, Metal Shell Connectors						
571-5205980-1	5205980-1	D	Yellow	.48	.43	.40
571-5205980-4	5205980-4	D	Clear	.60	.57	.51
For HDF-20, Metal-Shell and All-Plastic Connectors						
571-5746881-1	5746881-1	E	Yellow	1.67	1.51	1.42

Female Screw Lock Kits, Thread Size 4-40

Includes two complete sets of: female screw, two flat washers, lock washer, and hex nut or square nut. Material and finish for all parts: cold rolled steel, zinc plated clear or yellow chromate.

- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Chromate Color	Price Each		
				1	10	100
For HD-20 Right Angle Connectors, Plastic Shell						
571-5207952-1	5207952-1	F	Yellow	1.30	1.24	1.11
571-5207952-3	5207952-3	F	Clear	1.18	1.06	1.00
For HDE Connectors, Metal/All Plastic Shell						
571-5745563-1	5745563-1	G	Yellow	1.50	1.35	1.28
571-5745563-3	5745563-3	G	Clear	1.34	1.21	1.14
For HDP/HDF Connectors, Metal Shell/All Plastic						
571-5205817-1	5205817-1	G	Yellow	2.30	2.12	1.99
571-5205817-3	5205817-3	G	Clear	1.38	1.31	1.18
For HD Connectors, All Plastic with Integral Standoffs						
571-5207719-1	5207719-1	G	Yellow	1.25	1.12	1.06
571-5207719-3	5207719-3	G	Clear	1.34	1.27	1.15

Standard Spring Latch

Includes: two stainless steel spring latches

- For shell size 1-4
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Price Per Pkg. of 2		
			1	10	100
571-745779-2	745779-2	H	1.66	1.59	1.23

Locking Post Assembly Kit

Includes two complete assemblies of: 4-40 post, two flat washers, lock washer, and hex nut. Material for all parts: cold rolled steel, zinc plated yellow chromate.

- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER RoHS STOCK NO.	AMP Part No.	Fig.	Price Per Pkg. of 2		
			1	10	100
571-5206514-1	5206514-1	I	2.00	1.80	1.70

Slide Latch Kit for Use with Shell Size 2

Includes: slide latch - steel and two complete assemblies of screw, two washers, and hex nut - steel, zinc plated yellow chromate.

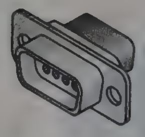
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

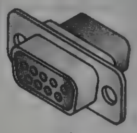
For quantities of 500 and up, call for quote.

MOUSER NON-RoHS STOCK NO.	MOUSER RoHS STOCK NO.	AMP Part No.	Fig.	Price Per Pkg. of 2		
				1	10	100
571-7455835	571-5745583-5	5745583-5	J	2.65	2.39	2.25

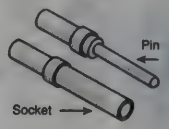
A



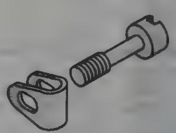
B



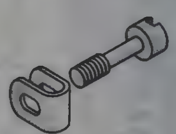
C



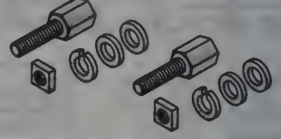
D



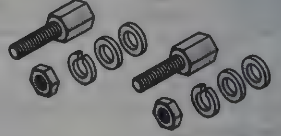
E



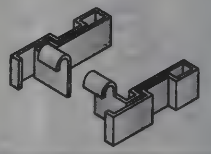
F



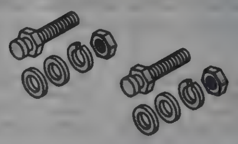
G



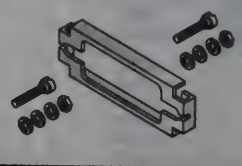
H



I



J



AMPLIMITE D-Sub Backshell Kits

Tyco Electronics
Authorized Distributor

RoHS Compliant **This page of product is compliant.**

UNSHIELDED CABLE CLAMP KITS

These cable clamp assemblies can be used on either a plug or socket. All parts are packaged unassembled.

- Use with HDP metal shell
- RoHS Compliant per Tyco Electronics documentation
- Each kit includes: 1 hinged plastic clamp, 2 self-tapping screws, 1 strain-relief clip, 1 cable exit gate plug

RoHS Compliant

Box and Lid, Straight / 90° Exit, Black Thermoplastic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Cable O.D. (max.)	Price Each		
					1	10	100
571-2074671	207467-1	A	1	.25"	2.66	2.54	1.95
571-2074701	207470-1	A	2	.325"	3.08	2.94	2.40
571-2073451	207345-1	B	3	.50"	3.21	2.71	2.56
†571-2074731	207473-1	B	4	.675"	3.24	2.92	2.75

Box and Lid, Straight / 90° Exit w/ Male Screw Retainers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Cable O.D. (max.)	Price Each		
					1	10	100
571-5207908-1	5207908-1	A	1	.25"	3.26	2.80	2.26
571-5207908-4	5207908-4	A	2	.325"	4.06	3.50	2.83
571-5207908-7	5207908-7	B	3	.50"	3.73	3.19	2.56
†571-1-5207908-0	1-5207908-0	B	4	.675"	4.21	3.62	2.98

Clam Shell, Straight / 45° Exit, Black Thermoplastic

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Cable O.D. (max.)	Price Each		
					1	10	100
571-5205729-1	5205729-1	C	1	.256"	2.60	2.25	1.80
571-5205730-1	5205730-1	C	2	.320"	3.00	2.62	2.20
571-5205718-1	5205718-1	C	3	.420"	2.40	2.06	1.65
571-5205731-1	5205731-1	C	4	.490"	3.68	3.37	2.70

2 Piece Gray Nylon Housing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Cable O.D. (max.)	Price Each		
					1	10	100
571-5206471-1	5206471-1	D	2	.350"	3.66	3.30	2.64
571-5206472-1	5206472-1	D	3	.335"	3.66	3.30	2.64
571-5745081-1	5745081-1	D	4	.675"	4.08	3.40	2.81
571-5745082-1	5745082-1	D	5	.775"	4.16	3.47	2.88

†90° Cable O.D.: .50" max.

STRAIGHT EXIT RF/EMI SHIELDS FOR JACKETED CABLE

- Metal-plated plastic shield: Thermoplastic, plated nickel over copper
- Die cast shield: Zinc alloy, plated bright nickel over bright copper
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Metal Plated Plastic Shield Kits

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Cable O.D. (max.)	Price Each		
					1	10	100
571-5745854-3	5745854-3	E	1	.25"	3.99	2.83	2.71
571-5745854-1	5745854-1	E	1	.37"	4.18	3.97	3.18
571-5747099-3	5747099-3	E	2	.38"	4.71	3.92	3.14
571-5745833-7	5745833-7	E	3	.35"	6.93	5.77	4.62
571-5745833-5	5745833-5	E	3	.43"	4.80	4.00	3.20

Die Cast Shield Kits

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Cable O.D. (max.)	Price Each		
					1	10	100
571-5745171-1	5745171-1	E	1	.25"	6.43	5.49	4.42
571-5745172-2	5745172-2	E	2	.30"	8.05	6.08	5.64
571-5745173-3	5745173-3	E	3	.43"	6.56	5.59	4.56
571-5745174-4	5745174-4	E	4	.43"	8.28	7.85	6.28
571-5745174-3	5745174-3	E	4	.50"	9.21	7.59	6.32
571-5745175-1	5745175-1	E	5	.75"	8.64	7.63	6.36

Die Cast Shield Kits with Grommets

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Cable O.D. (max.)	Price Each		
					1	10	100
571-5748676-1	5748676-1	E	1	.32"	5.06	4.68	3.81
571-5748676-2	5748676-2	E	2	.32"	5.25	4.74	4.01
571-5748676-3	5748676-3	E	3	.47"	5.68	5.01	4.29
571-5748676-4	5748676-4	E	4	.47"	8.50	7.05	6.11
571-5748676-5	5748676-5	E	5	.47"	11.84	10.56	8.52

HDP-20, ENCLOSURE KITS

Each kit contains: connector, inner shield, outer shield, enclosure, and two jackscrews.
Contacts and Ferrules must be ordered separately.

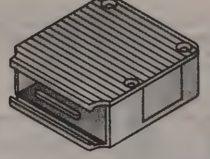
- Connector shell and shields: steel, tin plated
- Connector insert: UL 94V-0 black thermoplastic
- RoHS Compliant per Tyco Electronics documentation
- Enclosure: PVC

RoHS Compliant

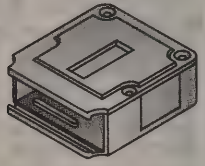
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Postions	Cable O.D. (max.)	Price Each		
						1	10	100
Plug Kits								
571-1658655-1	1658655-1	F	1	9	.335"	6.76	5.18	4.90
571-1658659-1	1658659-1	F	3	25	.455"	8.58	7.77	6.22
Receptacle Kits								
571-1658654-1	1658654-1	G	1	9	.335"	6.62	5.69	5.16
571-1658658-1	1658658-1	G	3	25	.455"	8.76	7.92	6.34

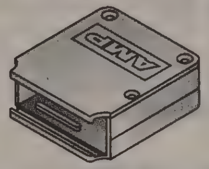
A



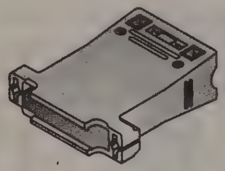
B



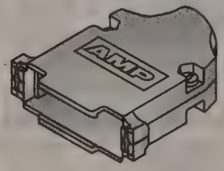
C



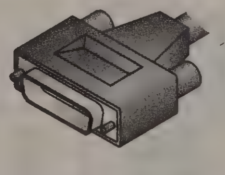
D



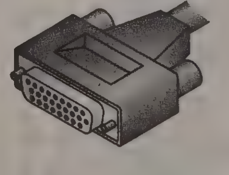
E



F



G



AMP CHAMP® Connectors

RoHS Compliant **This page of product is compliant.**

CHAMP® SHIELDED CONNECTORS

Specifications:

- Excellent protection from electromagnetic interference or electrostatic discharge
- Terminals: Selectively plated gold over nickel plated high strength copper alloy, tin plated tails
- Housing and Cover Materials: Thermoplastic, black
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Pos.	Description	Hardware Type	Price Each			
						1	25	50	100
Right Angle, Preassembled									
571-5553811-1	5553811-1	A	24	Receptacle, 6-32 Thread Standard	Screw Lock	7.90	7.11	6.72	6.32
571-5553813-3	5553813-3	A	50	Receptacle, 4-40 Thread Standard	Screw Lock	6.68	6.01	5.68	5.34
571-5553813-4	5553813-4	A	50	Receptacle, 4-40 Thread Reverse	Screw Lock	8.06	7.25	6.85	6.45
Right Angle, Board Lock Grounding									
571-5554923-2	5554923-2	B	24	Receptacle, 6-32 Thread Standard	Screw Lock	7.68	6.91	6.53	6.14
571-5554923-1	5554923-1	B	24	Receptacle, 6-32 Thread Reverse	Screw Lock	10.08	9.07	8.57	8.06
571-5555119-1	5555119-1	B	36	Receptacle, 4-40 Thread	Bail Lock	6.56	5.90	5.58	5.25
571-5555057-1	5555057-1	B	50	Receptacle, 4-40 Thread	Bail Lock	11.22	8.06	7.62	7.17
*571-5557932-2	5557932-2	B	50	Receptacle, 4-40 Thread	Screw Lock	10.98	9.88	9.33	8.78
*571-5555149-1	5555149-1	B	50	Receptacle, 4-40 Thread Standard	Bail Lock	9.99	7.88	6.78	6.38
571-55551493	5555149-3	B	50	Receptacle, 4-40 Thread Reverse	Bail Lock	8.52	7.67	7.24	6.82
Vertical Mount									
571-5554501-1	5554501-1	C	24	Receptacle, 6-32 Thread	- - -	11.58	10.42	9.84	9.26
571-5554217-4	5554217-4	C	50	Receptacle, 4-40 Thread	- - -	10.14	9.13	8.62	8.11
Hardware									
571-5540432	554043-2	-		Vertical Mount Standoff Stud (2 req.)		2.80	2.66	2.52	2.38

*IBM PC AT and PC XT Compatible

CHAMP® IDC CONNECTORS

Specifications:

- Terminals: High strength copper alloy with 30μ gold over 50μ nickel
- Housing: Self-extinguishing thermoplastic
- Optional snap-on strain relief covers
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Pos.	Description	Hardware Type	Price Each			
						1	25	50	100
24-26 AWG Solid, AWG Stranded									
571-5522831	552283-1	D	24	Plug	Screw Lock	3.64	3.46	3.28	3.10
571-552313-1	552313-1	E	24	Receptacle	Screw/Bail Lock	4.26	3.83	3.62	3.41
571-5522841	552284-1	D	36	Plug	Screw Lock	2.74	2.61	2.47	2.33
571-5523141	552314-1	E	36	Receptacle	Screw/Bail Lock	6.38	6.07	5.75	5.43
571-2299741	229974-1	D	50	Plug, thick flange	Screw Lock	2.55	2.02	1.72	1.62
571-2299751	229975-1	E	50	Receptacle, thick flange	Screw/Bail Lock	2.50	1.93	1.59	1.56
571-5520321	552032-1	D	50	Plug	Bail Lock	1.90	1.81	1.71	1.62
571-552285-1	552285-1	D	64	Plug	Screw Lock	3.46	3.11	2.94	2.77
571-552315-1	552315-1	E	64	Receptacle	Screw/Bail Lock	4.28	3.85	3.64	3.42
26-28 AWG, Stranded									
571-5523901	552390-1	D	50	Plug, think flange	Screw Lock	2.34	2.23	2.11	1.99
571-5523911	552391-1	E	50	Receptacle, thick flange	Screw Lock	2.32	2.21	2.09	1.98
Integral Locking Latch									
571-5553921-1	5553921-1	E	50	Receptacle	Screw Lock	2.66	2.09	1.80	1.69
571-5554381-2	5554381-2	E	64	Receptacle	Screw Lock	5.13	4.88	4.62	4.37
Hardware									
571-5552568-1	5552568-1	-		Screw Lock Kit		2.97	2.82	2.68	2.53
571-5552567-1	5552567-1	-		Bail Lock Kit		2.85	2.23	1.92	1.81
*571-5552567-2	5552567-2	-		Bent Bail Lock Kit		2.18	1.96	1.85	1.74

*For use with 90° strain relief cover - one kit required per assembly

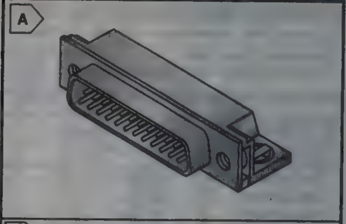
RoHS Compliant

Strain Reliefs

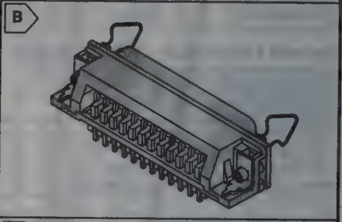
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Pos.	Cable Diameter Inch (mm)	Price Each			
					1	25	50	100
180° Snap-On								
571-5520761	552076-1	F	24	.230 - .280 (5.84 - 7.11)	1.56	1.49	1.41	1.33
571-25520761	2-552076-1	F	24	.320 - .380 (8.13 - 9.65)	1.81	1.72	1.63	1.54
571-5520735	552073-5	F	36	.360 - .430 (9.14 - 10.92)	1.58	1.51	1.43	1.35
571-25520081	2-552008-1	F	50	.380 - .430 (9.65 - 10.92)	1.32	1.26	1.19	1.12
571-5520081	552008-1	F	50	.430 - .490 (10.92 - 12.45)	1.30	1.24	1.17	1.11
571-552082-1	552082-1	F	64	.480 - .540 (12.19 - 13.72)	1.99	1.79	1.69	1.59
90° Snap-On								
571-552413-1	552413-1	G	24	.250 - .300 (6.35 - 7.62)	1.14	1.03	.97	.91
571-35524141	3-552414-1	G	36	.330 - .380 (8.38 - 9.65)	3.38	3.22	2.90	2.74
571-15520111	1-552011-1	G	50	.315 - .415 (8.00 - 10.54)	.65	.59	.56	.52
571-552011-1	552011-1	G	50	.415 - .465 (10.54 - 11.81)	.48	.43	.41	.39
571-5527311	552731-1	G	50	.475 - 540 (12.07 - 13.72)	.88	.83	.79	.75
571-5524961	552496-1	G	64	.410 - .475 (10.41 - 12.07)	.93	.88	.84	.79
571-25524961	2-552496-1	G	64	.540 - .605 (13.72 - 15.37)	1.30	1.24	1.17	1.11
Snap-On (2 required per assembly)								
571-15520271	1-552027-1	H	50	- - - - - - - -	.28	.26	.25	.23
571-1-552296-1	1-552296-1	H	64	- - - - - - - -	.60	.54	.51	.48

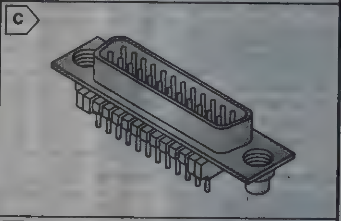
A



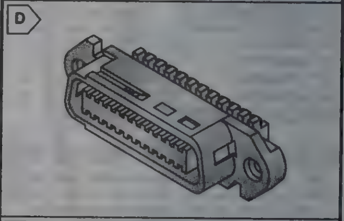
B



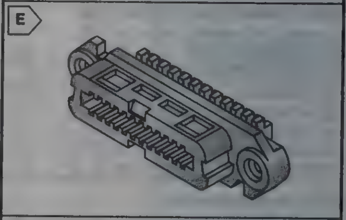
C



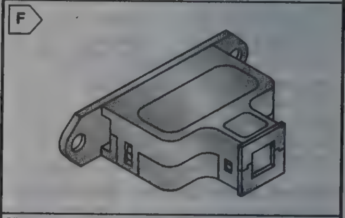
D



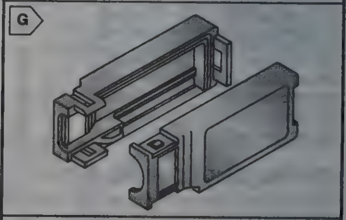
E



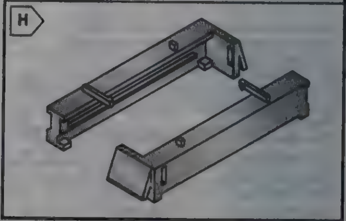
F



G



H



FIXED MACHINED SOLDER CUP CONTACTS

Materials:
- Shells: Steel, tin plated
- Contact: Brass
- Contact Plating: Gold
- Insulator: Black Thermoplastic, UL94V-0

Specifications:
- Temperature Range: -67°F to 185°F
- Current Rating: 7.5A
- Voltage Rating: 300V
- Max Wire: 20 AWG.

Standards:
- UL File: E119881
- MIL C24308

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-L717-DE09P	L717-DE09P	A	9	Male	3.06	2.78	2.55	2.43
523-L77-DE09S	L77-DE09S	A	9	Female	4.09	3.68	3.35	3.07
523-L717DA15P	L717-DA15P	A	15	Male	4.08	3.71	3.40	3.24
523-L77-DA15S	L77-DA15S	A	15	Female	4.90	4.27	3.92	3.73
523-L717-DB25P	L717-DB25P	A	25	Male	4.54	4.12	3.95	3.48
523-L77-DB25S	L77-DB25S	A	25	Female	7.35	6.66	6.09	5.60
523-L717-DC37P	L717-DC37P	A	37	Male	7.97	7.80	7.15	6.70
523-L77-DC37S	L77-DC37S	A	37	Female	10.55	9.60	8.80	8.12
523-L717DD50P	L717DD50P	A	50 *	Male	12.96	11.84	10.90	10.10
523-L77-DD50S	L77-DD50S	A	50 *	Female	18.96	17.24	15.80	15.05

* 50 Position D-Subs have 3 Rows of Contacts

FIXED PRECISION-FORMED SOLDER CUP CONTACTS

Materials:
- Shells: Steel, tin plated
- Contact: Brass
- Contact Plating: Gold
- Insulator: Black Thermoplastic, UL94V-0

Specifications:
- Temperature Range: -67°F to 185°F
- Current Rating: 5A
- Voltage Rating: 300V
- Max Wire: 20 AWG

Standards:
- UL File: E149426
- MIL C24308 - NFC93425 - HE5

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-G17S0910110EU	G17S0910110EU	A	9	Male	.55	.49	.45	.41
523-G17S0900110EU	G17S0900110EU	A	9	Female	.64	.57	.53	.48
523-G17S1510110EU	G17S1510110EU	A	15	Male	.67	.65	.63	.58
523-G17S1500110EU	G17S1500110EU	A	15	Female	.84	.76	.70	.64
523-G17S2510110EU	G17S2510110EU	A	25	Male	.98	.94	.85	.70
523-G17S2500110EU	G17S2500110EU	A	25	Female	.82	.76	.70	.64
523-G17S3710110EU	G17S3710110EU	A	37	Male	1.90	1.72	1.59	1.36
523-G17S3700110EU	G17S3700110EU	A	37	Female	1.84	1.65	1.53	1.31
523-G17S5010110EU	G17S5010110EU	A	50 *	Male	2.59	2.33	2.15	1.97
523-G17S5000110EU	G17S5000110EU	A	50 *	Female	2.66	2.39	2.21	2.02

* 50 Position D-Subs have 3 Rows of Contacts

FIXED MACHINED CONTACT PCB MOUNT

Materials:
- Shells: Steel, tin plated
- Contact: Brass
- Contact Plating: Gold
- Insulator: Black Thermoplastic, UL94V-0

Specifications:
- Temperature Range: -67°F to 185°F
- Current Rating: 7.5A
- Voltage Rating: 300V
- PCB Pins: .024" Dia. and .124" Length

Standards:
- UL File: E119881
- MIL C24308

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-L717-DE09P-U	L717-DE09P-U	B	9	Male	3.46	3.15	2.88	2.75
523-L77-DE09S-U	L77-DE09S-U	B	9	Female	4.21	3.84	3.54	3.28
523-L717-DA15P-U	L717-DA15P-U	B	15	Male	3.43	3.21	3.02	2.85
523-L77-DA15S-U	L77-DA15S-U	B	15	Female	4.67	4.24	3.88	3.59
523-L717-DB25P-U	L717-DB25P-U	B	25	Male	4.84	4.45	4.08	3.89
523-L77-DB25S-U	L77-DB25S-U	B	25	Female	8.26	7.51	6.88	6.56
523-L717-DC37P-U	L717-DC37P-U	B	37	Male	8.04	7.31	6.70	6.38
523-L77-DC37S-U	L77-DC37S-U	B	37	Female	10.34	9.40	8.62	8.21
523-L717-DD50P-U	L717-DD50P-U	B	50 *	Male	11.74	10.67	9.78	9.32
523-L77-DD50S-U	L77-DD50S-U	B	50 *	Female	15.60	15.08	13.92	12.92

* 50 Position D-Subs have 3 Rows of Contacts

FIXED MACHINED CONTACT WIRE WRAP TERMINATION

RoHS Compliant

Materials:
- Shells: Steel, tin plated
- Contact: Brass
- Contact Plating: Gold
- Insulator: Black Thermoplastic, UL94V-0

Specifications:
- Temperature Range: -67°F to 185°F
- Current Rating: 7.5A
- Voltage Rating: 300V
- PCB Pins: .031" Dia. and .387" Length

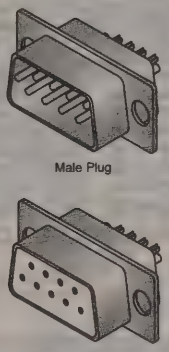
Standards:
- UL File: E119881
- MIL C24308

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-L717-DE09P-F179	L717-DE09P-F179	C	9	Male	11.64	10.58	9.70	9.24
523-L77-DE09S-F179	L77-DE09S-F179	C	9	Female	12.04	10.95	10.03	9.56
523-L717-DA15P-F179	L717-DA15P-F179	C	15	Male	11.67	11.06	9.68	9.16
523-L77-DA15S-F179	L77-DA15S-F179	C	15	Female	14.96	13.05	11.97	11.40
523-L717-DB25P-F179	L717-DB25P-F179	C	25	Male	15.48	14.07	12.90	12.29
523-L77-DB25S-F179	L77-DB25S-F179	C	25	Female	18.12	16.47	15.10	14.38

* 50 Position D-Subs have 3 Rows of Contacts

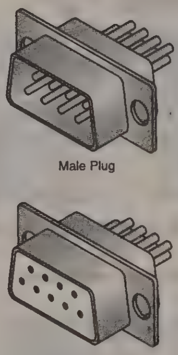
A



Male Plug

Female Receptacle

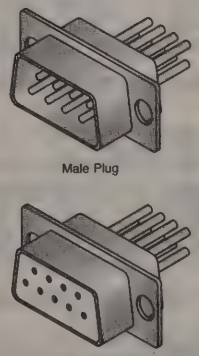
B



Male Plug

Female Receptacle

C



Male Plug

Female Receptacle

RoHS Compliant **This page of product is compliant.**

RIGHT ANGLE CONNECTORS (.318" FOOTPRINT)

Specifications:
- Temperature Range: -67°F to 221°F
- Current Rating: 5A
- Voltage Rating: 300V
- 4-40 Threaded Mounting Hole

Materials:
- Shells: Steel, tin plated
- Contact Plating: 30μ" Gold over 50μ" Nickel
- Contact: Brass
- Insulator: Black Thermoplastic, UL94V-0
- Split Arrowhead Boardlocks

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pins	Type	Price Each			
					1	10	50	100
523-6E17-C009P-AJ121	6E17-C009P-AJ121	A	9	Male	2.88	2.62	2.40	2.29
523-6E17-C009S-AJ120	6E17-C009S-AJ120	A	9	Female	3.08	2.80	2.57	2.44
523-6E17-C015P-AJ121	6E17-C015P-AJ121	A	15	Male	4.12	3.75	3.43	3.27
523-6E17-C015S-AJ120	6E17-C015S-AJ120	A	15	Female	4.04	3.67	3.37	3.21
523-6E17-C025P-AJ121	6E17-C025P-AJ121	A	25	Male	5.22	4.75	4.35	4.14
523-6E17-C025S-AJ120	6E17-C025S-AJ120	A	25	Female	5.40	4.91	4.50	4.29
523-6E17-C037P-AJ121	6E17-C037P-AJ121	A	37	Male	7.10	6.45	5.92	5.63
523-6E17-C037S-AJ120	6E17-C037S-AJ120	A	37	Female	7.04	6.40	5.87	5.59

HIGH DENSITY SOLDER CUP

Materials:
- Shells: Steel, tin plated
- Contact: Brass
- Contact Plating: Gold Flash
- Insulator: Black Thermoplastic, UL94V-0

Specifications:
- Temperature Range: -67°F to 221°F
- Current Rating: 3A
- Voltage Rating: 125V
- Max Wire: 24 AWG

For quantities of 250 and up, call for quote.

523-17EHD-015P-AA000	17EHD-015P-AA000	B	15	Male	2.35	2.13	1.95	1.79
523-17EHD-015S-AA000	17EHD-015S-AA000	B	15	Female	2.69	2.43	2.22	2.05
523-17EHD-026P-AA000	17EHD-026P-AA000	B	26	Male	3.58	3.25	2.97	2.73
523-17EHD-026S-AA000	17EHD-026S-AA000	B	26	Female	3.58	3.25	2.97	2.73
523-17EHD-044P-AA000	17EHD-044P-AA000	B	44	Male	3.81	3.45	3.16	2.90
523-17EHD-044S-AA000	17EHD-044S-AA000	B	44	Female	4.81	4.36	3.98	3.67
523-17EHD-062P-AA000	17EHD-062P-AA000	B	62	Male	4.88	4.42	4.03	3.71
523-17EHD-062S-AA000	17EHD-062S-AA000	B	62	Female	2.94	2.66	2.43	2.24
523-17EHD-078P-AA000	17EHD-078P-AA000	B	78	Male	4.73	4.28	3.91	3.60
523-17EHD-078S-AA000	17EHD-078S-AA000	B	78	Female	4.85	4.40	4.02	3.70

DUST COVERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	D-Sub Size	Type	Price Each			
					1	10	50	100
523-L17D4K63010	L17D4K63010	C	9	Metal Dust Cap For Receptacle	2.28	2.07	1.90	1.81
523-L17D4K63016	L17D4K63016	C	15	Metal Dust Cap For Receptacle	2.44	2.22	2.03	1.94
523-L17D4K63026	L17D4K63026	C	25	Metal Dust Cap For Receptacle	2.24	2.04	1.87	1.78
523-L17D4K63110	L17D4K63110	C	9	Metal Dust Cap For Plug	1.67	1.53	1.46	1.35
523-L17D4K63116	L17D4K63116	C	15	Metal Dust Cap For Plug	2.14	1.95	1.78	1.70
523-L17D4K63126	L17D4K63126	C	25	Metal Dust Cap For Plug	2.18	1.98	1.82	1.73

PLASTIC BACKSHELLS 2-PIECE DESIGN

Features:
- Fits most standard and high-density D-Subs
- Split Grommets

Specifications:
- Housing: Styrene (UL94V-0)
- Grommets: Polypropylene
- Hardware: Steel, clear zinc finish

For quantities of 250 and up, call for quote.

523-17E-1724-1	17E-1724-1	D	9	Plastic	1.90	1.85	1.58	1.53
523-17E-1725-1	17E-1725-1	D	15	Plastic	2.30	2.10	1.95	1.72
523-17E-1726-1	17E-1726-1	D	25	Plastic	2.22	1.98	1.83	1.70
523-17E-1727-1	17E-1727-1	D	37	Plastic	2.68	2.44	2.23	2.09
523-17E-1728-1	17E-1728-1	D	50	Plastic	2.68	2.44	2.23	2.13

PLATED PLASTIC BACKSHELLS 2-PIECE DESIGN

Features:
- Fits most standard and high-density D-Subs
- Meets FCC 20780 Requirements
- Plated shell provides EMI/RFI shielding

Specifications:
- Housing: ABS Polymer
- Grommets: PVC (UL94V-0)
- Plating: Nickel over copper
- Hardware: Steel, clear zinc finish

For quantities of 250 and up, call for quote.

523-17E-1724-2	17E-1724-2	D	9	Metallized	3.30	2.80	2.32	2.14
523-17E-1725-2	17E-1725-2	D	15	Metallized	3.40	3.01	2.60	2.50
523-17E-1726-2	17E-1726-2	D	25	Metallized	3.36	3.05	2.80	2.67
523-17E-1727-2	17E-1727-2	D	37	Metallized	5.02	4.60	4.18	3.75
523-17E-1728-2	17E-1728-2	D	50	Metallized	6.02	5.45	4.78	4.43

METAL BACKSHELLS 2-PIECE DESIGN

Features:
- Fits most standard and high-density D-Subs
- Meets FCC 20780 Requirements
- All metal shell provides EMI/RFI shielding and durability

Specifications:
- Housing: Die cast zinc
- Grommets: PVC (UL94V-0)
- Hardware: Steel, clear zinc finish

For quantities of 250 and up, call for quote.

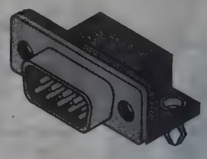
523-17E-1657-09	17E-1657-09	E	9	Metal	5.05	4.60	4.22	3.90
523-17E-1657-15	17E-1657-15	E	15	Metal	5.84	5.31	4.87	4.63
523-17E-1657-25	17E-1657-25	E	25	Metal	6.08	5.67	5.05	4.67
523-17E-1657-37	17E-1657-37	E	37	Metal	8.50	7.73	7.08	6.75

SCREW LOCK ASSEMBLIES

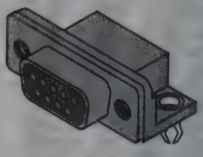
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Description	Price Each			
			1	10	50	100
523-L17D20419EX	L17D20419EX	#4-40 Male for 9, 15, 25, & 37 D-Sub, 10 pack	4.40	4.00	3.66	3.38
523-L17D20420EX	L17D20420EX	#4-40 Male for 50 D-Sub, 10 pack	7.00	6.22	5.60	5.09
523-17-D20418-2-TX	L17-D20418-2-TX	#4-40 Female Standoff, 10 pack	3.77	3.42	3.12	2.87

A

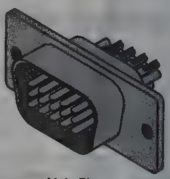


Male Plug

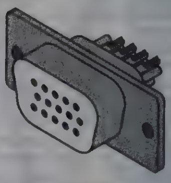


Female Receptacle

B

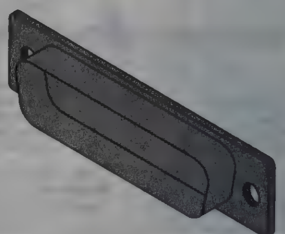


Male Plug

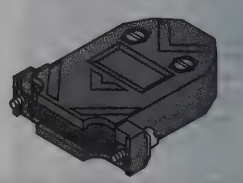


Female Receptacle

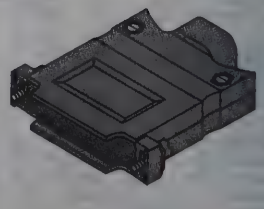
C



D



E



CINCH D-Subminiature Connectors

D*KL SERIES STRAIGHT 0.109" DENSITY METAL SHELL

Features:

- PCB mount
- Metal Shell provides grounding and shielding capability
- Mates with industry compatible connectors
- UL Recognized: File E130965 (UL1863)
- CSA Approved: File LR97981
- Economy Version

* With grounding indents.

Specifications:

- Socket contact material: Phosphor bronze (stamped)
- Plug contact material: Brass (stamped)
- Insulator Material: Glass-filled polyester (black)
- Contact plating: Gold flash over Nickel plating in mating area and tin/lead on tails
- Operating temperature: -55°C to +125°C
- Withstanding voltage: minimum AC 1000V RMS @ sea level

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	No. of Contacts	Price Each			
					1	25	50	100
*538-DEKL9PUTI	DEKL-9PUTI	A	Plug	9	.57	.51	.46	.42
538-DEKL-9SUT	DEKL-9SUT	B	Socket	9	.54	.49	.44	.40
*538-DAKL-15PUTI	DAKL-15PUTI	A	Plug	15	.65	.59	.53	.48
538-DAKL-15SUT	DAKL-15SUT	B	Socket	15	.65	.59	.53	.48
*538-DBKL25PUTI	DBKL-25PUTI	A	Plug	25	.85	.76	.68	.63
538-DBKL25SUT	DBKL-25SUT	B	Socket	25	.80	.73	.65	.60

D*U SERIES 0.109" DENSITY METAL SHELL

Features:

- Crimp and Poke Machined contacts supplied loose with connector
- Commercial grade metal shell connectors intermate with all existing D-subs of comparable pin contacts
- With .120 mounting holes
- Use with 20-24 AWG wire
- UL Recognized: Files E170218 (UL1977) & E130965 (UL1863)
- CSA Approved: File LR31996

Specifications:

- Plug and Socket contact material: copper alloy
- Insulator Material: Glass-filled nylon, black
- Connector shell: steel with zinc plating and yellow chromate finish
- Operating temperature: -65°C to +125°C
- Withstanding voltage: minimum 1000V RMS @ sea level

D*U Connectors with Machined Contacts

For quantities of 200 and up, call for quote.

538-DEU9P	DEU-9P	C	Plug	9	3.28	2.96	2.65	2.44
538-DEU9S	DEU-9S	D	Socket	9	4.09	3.69	3.30	3.03
538-DAU15P	DAU-15P	C	Plug	15	4.57	4.12	3.68	3.39
538-DAU-15S	DAU-15S	D	Socket	15	6.07	5.47	4.89	4.50
538-DBU25P	DBU-25P	C	Plug	25	6.83	6.16	5.51	5.06
538-DBU25S	DBU-25S	D	Socket	25	9.22	8.31	7.44	6.84
538-DCU37P	DCU-37P	C	Plug	37	9.65	8.71	7.79	7.16
538-DCU-37S	DCU-37S	D	Socket	37	13.09	11.80	10.56	9.71

D*U Connectors - Contacts Not Included (Listed Below)

For quantities of 200 and up, call for quote.

538-DEU-9P-FO	DEU-9P-FO	C	Plug	9	1.37	1.24	1.11	1.02
538-DEU-9S-FO	DEU-9S-FO	D	Socket	9	1.37	1.24	1.11	1.02
538-DAU-15P-FO	DAU-15P-FO	C	Plug	15	1.43	1.29	1.16	1.06
538-DAU-15S-FO	DAU-15S-FO	D	Socket	15	1.43	1.29	1.16	1.06
538-DBU-25P-FO	DBU-25P-FO	C	Plug	25	1.63	1.47	1.32	1.21
538-DBU-25S-FO	DBU-25S-FO	D	Socket	25	1.46	1.31	1.18	1.08

Machined Crimp & Poke Contacts

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Price Each	
				1	100
538-030-1952-000	030-1952-000	E	Pin	.27	.23
538-0301953000	030-1953-000	F	Socket	.41	.35

BASIC-D SERIES 0.109" DENSITY METAL SHELL

Features:

- With .120 mounting holes
- Stamped contacts

Specifications:

- Insulator Material: Glass-filled polyester, white
- Connector shell: Steel with zinc plating and yellow chromate finish
- Contact Material: Copper alloy
- Contact plating: Gold flash over nickel
- Tail length: .375"
- Operating temperature: -65°C to +125°C
- Withstanding voltage: minimum 1250V RMS @ sea level

Solder Pot Contacts With Shell

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	No. of Contacts	Price Each			
					1	25	50	100
538-DE-9P	DE-9P	G	Plug	9	1.93	1.75	1.56	1.44
538-DE9S	DE-9S	H	Socket	9	2.39	2.16	1.93	1.77
538-DA-15P	DA-15P	G	Plug	15	3.43	3.10	2.77	2.55
538-DA-15S	DA-15S	H	Socket	15	2.41	2.18	1.95	1.79
538-DB-25P	DB-25P	G	Plug	25	2.76	2.49	2.23	2.05
538-DB25S	DB-25S	H	Socket	25	3.63	3.27	2.93	2.69
538-DC-37P	DC-37P	G	Plug	37	5.50	4.96	4.44	4.08
538-DC-37S	DC-37S	H	Socket	37	9.04	8.16	7.30	6.71
538-DD-50P	DD-50P	G	Plug	50	7.24	6.53	5.84	5.37
538-DD-50S	DD-50S	H	Socket	50	11.89	10.73	9.60	8.82

Wire Wrap

For quantities of 200 and up, call for quote.

538-DE9PF179	DE9PF179	G	Plug	9	3.74	3.37	3.02	2.77
538-DE9SF179	DE9SF179	H	Socket	9	5.37	4.84	4.33	3.98
538-DA15PF179	DA15PF179	G	Plug	15	5.35	4.82	4.32	3.97
538-DA15SF179	DA15SF179	H	Socket	15	7.30	6.59	5.89	5.42
538-DB25PF179	DB25PF179	G	Plug	25	7.57	6.82	6.11	5.61
538-DB25SF179	DB25SF179	H	Socket	25	11.39	10.27	9.19	8.45

SERIES 1 HIGH-RELIABILITY

Features:

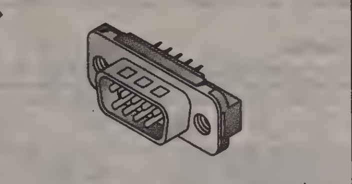
- Monoblock green diallyl phthalate insulator for improved electrical performance
- Machined contacts for precision performance
- With .120 mounting holes
- Will accommodate up to 20 AWG wire
- Metal shell with solder cup terminals

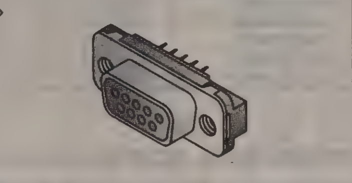
Specifications:

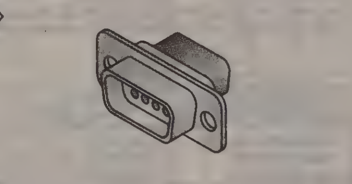
- Insulator: Glass-filled diallyl phthalate (green)
- Connector shell: steel with zinc plating and yellow chromate finish
- Plug contact material: brass
- Socket contact material: phosphor bronze

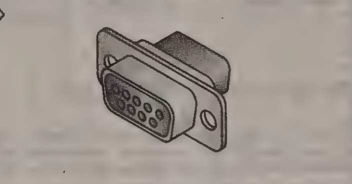
For quantities of 100 and up, call for quote.

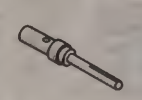
MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	No. of Contacts	Price Each		
					1	25	50
538-DEM9P	DEM9P	I	Plug	9	4.51	4.10	3.69
538-DEM9S	DEM9S	J	Socket	9	6.50	5.90	5.31
538-DAM15P	DAM15P	I	Plug	15	6.54	5.95	5.36
538-DAM15S	DAM15S	J	Socket	15	9.61	8.73	7.86
538-DBM25P	DBM25P	I	Plug	25	9.95	9.05	8.14
538-DBM25S	DBM25S	J	Socket	25	15.19	13.81	12.43
538-DCM37P	DCM37P	I	Plug	37	13.96	12.70	11.43
538-DCM37S	DCM37S	J	Socket	37	29.37	26.70	24.03

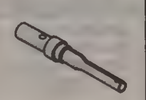
A


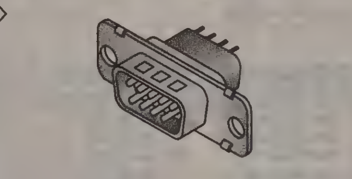
B


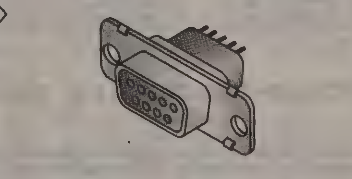
C


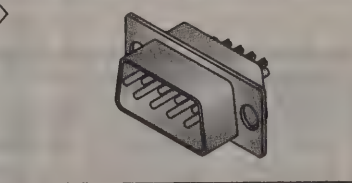
D


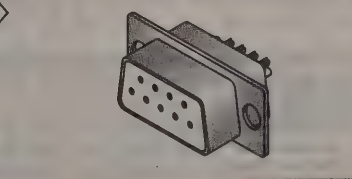
E


F


G


H


I


J


CINCH D-Subminiature Accessories

DEEP STRAIGHT CLAMP JUNCTION SHELL

Materials:

- Shell Material: Zinc plated low carbon steel with yellow chromate finish
- Clamp & Screw: Zinc-plated steel with yellow chromate finish
- Stop Nut: Zinc-plated brass with yellow chromate finish

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Shell Size	Dimensions In. (mm)		Price Each		
				A	B	1	25	50
538-DE-24657	DE-24657	A	9	1.203 (30.56)	1.219 (30.96)	4.07	3.64	3.29
538-DA24658	DA-24658	A	15	1.531 (38.89)	1.250 (31.75)	3.95	3.53	3.19
538-DB24659	DB-24659	A	25	2.078 (52.78)	1.531 (38.89)	3.26	2.91	2.63
538-DC24660	DC-24660	A	37	2.718 (69.04)	1.531 (38.89)	3.38	3.02	2.73
538-DD-24661	DD-24661	A	50	2.625 (66.68)	1.656 (42.06)	3.79	3.38	3.06

COMMERCIAL SCREW LOCK ASSEMBLIES

Two screwlocks are required per connector. Female screwlocks consist of one #4-40 screw, two flat washers, one lockwasher, and one #4-40 nut. Male screwlocks consists of one #4-40 slotted screw and a spring tension clip.

* Indicates Use With Junction Shells

(P = Plug; S= Socket)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Use with Shell Size	Price Each		
					1	25	50
538-D20418-2	D20418-2	B	Female Screwlocks	9,15,25,37,50 (P&S)	.88	.88	.71
538-D20419-0	D20419-0	C	Male Screwlocks	9,15(P&S); 25,37(S ONLY)	.48	.48	.38
*538-D20419-16	D20419-16	C	Male Screwlocks	9,15(S ONLY); 25,37(P&S)	.83	.83	.67
538-D20420-0	D20420-0	C	Male Screwlocks	50 (S ONLY)	.71	.64	.58

SLIDE LOCK ASSEMBLIES

Consists of the lock retainer plate, two screws, 2 washers, and two nuts. Two lock posts, part # D-53018, are required to fit into the mounting holes of the mating connectors, must be ordered separately. Compatible with all Cinch metal shell D-sub connectors, Backshells, hoods, and junction shells except D*H Series, SDH Series, and Phenolic hood.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Use with Shell Size	Dimensions: In. (mm)			Price Each		
					A	B	C	1	25	50
538-DE-51224-1	DE-51224-1	D	Assembly for Shell Size E	9	1.442 (36.63)	.500 (12.70)	.984 (24.99)	1.45	1.30	1.17
538-DA512201	DA-51220-1	D	Assembly for Shell Size A	15	1.770 (44.96)	.500 (12.70)	1.312 (33.27)	1.38	1.23	1.12
538-DB-51221-1	DB-51221-1	D	Assembly for Shell Size B	25	2.293 (58.24)	.500 (12.70)	1.852 (47.04)	1.50	1.34	1.21
538-D-53018	D-53018	-	Lock post - required for parts above	-	-	-	-	.69	.69	.56

DUST CAPS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Color	Use with Shell Size	Price Each		
						1	25	50
538-DE-60-20	DE-60-20	E	Plug Dust Cap	Black	9	1.26	1.13	1.02
538-DE-59-20	DE-59-20	E	Socket Dust Cap	Black	9	1.26	1.13	1.02
538-DA-60-20	DA-60-20	E	Plug Dust Cap	Black	15	1.26	1.13	1.02
538-DA-59-20	DA-59-20	E	Socket Dust Cap	Black	15	1.26	1.13	1.02
538-DB-60-20	DB-60-20	E	Plug Dust Cap	Black	25	1.19	1.06	.96
538-DB-59-20	DB-59-20	E	Socket Dust Cap	Black	25	1.19	1.06	.96

STRAIGHT BACKSHELLS - TWO-PIECE D*H SERIES

Fits Standard and High Density D-Subminiature Connectors. Backshell includes hardware: 4-40 screws, hex nuts 4-40 mounting bracket and grommets to accommodate most cable sizes and function as strain reliefs. Backshells are individually bagged. Slide locks may not be used with these backshells. Optional thumbscrew for backshells must be ordered separately if required.

Two-Piece Plastic and Metallized Backshells

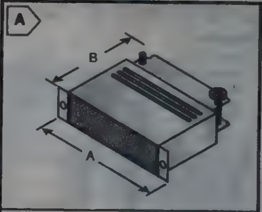
For quantities of 100 and up, call for quote.

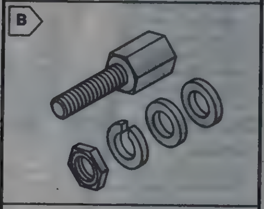
MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Conn Contacts Std/ 1.5 Density	Dimensions: In. (mm)		Price Each		
					A	B	1	25	50
538-DCHB001	DCH-B-001	F	Metalized Plastic, Cable Dia .230-.450"	25/44	2.090 (53.09)	1.570 (39.88)	3.79	3.38	3.06
538-DCH-E001	DCH-E-001	F	Metalized Plastic, Cable Dia .210-.350"	9/15	1.225 (31.12)	1.465 (37.21)	3.12	2.79	2.52
538-DPHB001	DPH-B-001	F	Plastic, Cable Dia .230-.450"	25/44	2.090 (53.09)	1.570 (39.88)	2.33	2.09	1.88
538-DPHE001	DPH-E-001	F	Plastic, Cable Dia .210-.320"	9/15	1.225 (31.12)	1.465 (37.21)	1.90	1.70	1.54

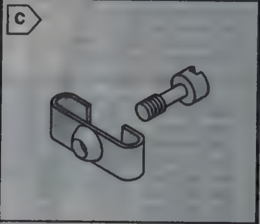
Two-Piece Diecast EMI/RFI Shielded Backshells

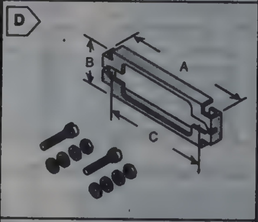
For quantities of 100 and up, call for quote.

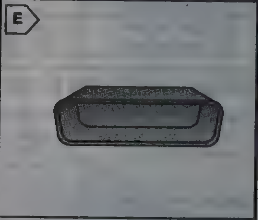
MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Conn Contacts Std/ 1.5 Density	Dimensions: In. (mm)		Price Each		
					A	B	1	25	50
538-DMHE001	DMH-E-001	G	Diecast Metal, Cable Dia .210-.320"	9/15	1.225 (31.12)	1.465 (37.21)	4.14	3.70	3.35
538-DMH-B-001	DMH-B-001	H	Diecast Metal, Cable Dia .230-.450"	25/44	2.090 (53.09)	1.570 (39.88)	5.07	4.53	4.10
538-4-40-THMB-1	4-40-THMB-1	-	Screw, 2 each required per backshell	-	-	-	.40	.36	.33

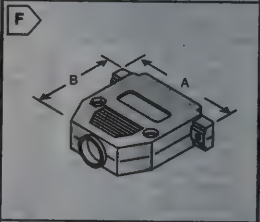


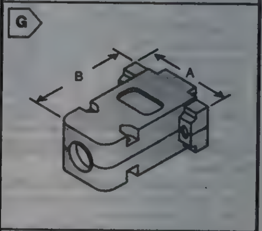


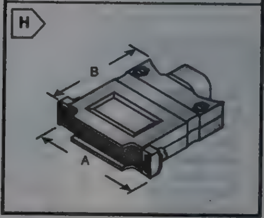










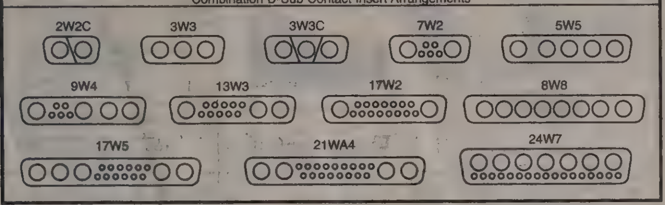


CONEC D-Subminiature Connectors

RoHS Compliant **This page of product is compliant.**

CONEC®
TECHNOLOGY IN CONNECTORS™

Combination D-Sub Contact Insert Arrangements



COMBINATION D-SUBS

- Shell: Tin Plated Steel
- Mating Cycles: 500
- RoHS Compliant per Conec documentation
- Insulator: UL94V-0

For quantities of 500 and up, call for quote.

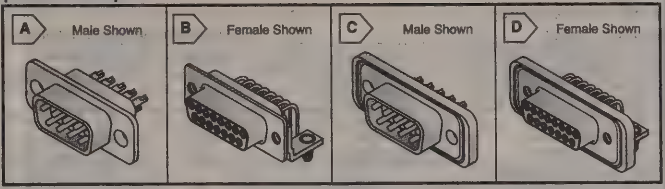
MOUSER STOCK NO.	Conec Part No.	Contact Arrangement	Price Each		
			1	10	100
Crimp Style - Female - Contacts Sold Seperately					
706-302W2CSXX99A10X	302W2CSXX99A10X	2W2C	1.97	1.41	1.15
706-302W2CSXX99A30X	302W2CSXX99A30X	2W2C	2.40	1.71	1.40
706-303W3CSXX99A10X	303W3CSXX99A10X	3W3C	1.74	1.24	1.02
706-303W3CSXX99A30X	303W3CSXX99A30X	3W3C	2.40	1.71	1.40
706-3003W3SXX99A10X	3003W3SXX99A10X	3W3	1.86	1.33	1.08
706-3003W3SXX99A30X	3003W3SXX99A30X	3W3	2.43	1.73	1.42
706-3005W5SXX99A10X	3005W5SXX99A10X	5W5	2.06	1.47	1.20
706-3005W5SXX99A30X	3005W5SXX99A30X	5W5	2.69	1.92	1.57
706-3008W8SXX99A10X	3008W8SXX99A10X	8W8	2.34	1.67	1.37
706-3008W8SXX99A30X	3008W8SXX99A30X	8W8	2.94	2.10	1.72
Crimp Style - Male - Contacts Sold Seperately					
706-302W2CPXX99A10X	302W2CPXX99A10X	2W2C	1.66	1.18	.97
706-303W3CPXX99A10X	303W3CPXX99A10X	3W3C	1.80	1.29	1.05
706-3003W3PXX99A10X	3003W3PXX99A10X	3W3	1.80	1.29	1.05
706-3005W5PXX99A10X	3005W5PXX99A10X	5W5	1.74	1.24	1.02
706-3008W8PXX99A10X	3008W8PXX99A10X	8W8	2.26	1.61	1.32
Solder Cup - Female- Power Contacts Sold Seperately					
706-3007W2SCM99A10X	3007W2SCM99A10X	7W2	3.60	2.57	2.10
706-3007W2SCM99A30X	3007W2SCM99A30X	7W2	4.26	3.04	2.48
706-3009W4SCM99A10X	3009W4SCM99A10X	9W4	3.91	2.80	2.28
706-3009W4SCM99A30X	3009W4SCM99A30X	9W4	4.54	3.24	2.65
706-3017W2SCM99A10X	3017W2SCM99A10X	17W2	7.37	5.27	4.30
706-3017W2SCM99A30X	3017W2SCM99A30X	17W2	8.06	5.76	4.70
706-3013W3SCM99A10X	3013W3SCM99A10X	13W3	5.77	4.12	3.37
706-3013W3SCM99A30X	3013W3SCM99A30X	13W3	6.40	4.57	3.73
706-3017W5SCM99A10X	3017W5SCM99A10X	17W5	6.66	4.76	3.88
706-3017W5SCM99A30X	3017W5SCM99A30X	17W5	7.26	5.18	4.23
706-321WA4SCM99A10X	321WA4SCM99A10X	21WA4	8.54	6.10	4.98
706-321WA4SCM99A30X	321WA4SCM99A30X	21WA4	8.63	6.16	5.03
706-3024W7SCM99A10X	3024W7SCM99A10X	24W7	8.66	6.18	5.05
706-3024W7SCM99A30X	3024W7SCM99A30X	24W7	9.29	6.63	5.42
Solder Cup - Male- Power Contacts Sold Seperately					
706-3007W2PCM99A10X	3007W2PCM99A10X	7W2	3.09	2.20	1.80
706-3009W4PCM99A10X	3009W4PCM99A10X	9W4	2.89	2.06	1.68
706-3017W2PCM99A10X	3017W2PCM99A10X	17W2	5.23	3.73	3.05
706-3013W3PCM99A10X	3013W3PCM99A10X	13W3	4.29	3.06	2.50
706-321WA4PCM99A10X	321WA4PCM99A10X	21WA4	6.37	4.55	3.72
706-3024W7PCM99A10X	3024W7PCM99A10X	24W7	6.51	4.65	3.80
PC Mount - Female- Right Angle					
706-302W2CSXX56N40X	302W2CSXX56N40X	2W2C	7.86	5.61	4.58
706-303W3CSXX56N40X	303W3CSXX56N40X	3W3C	10.06	7.18	5.87
706-3003W3SXX56N40X	3003W3SXX56N40X	3W3	10.06	7.18	5.87
706-3005W5SXX56N40X	3005W5SXX56N40X	5W5	14.11	10.08	8.23
706-3008W8SXX56N40X	3008W8SXX56N40X	8W8	21.00	15.00	12.25
706-3007W2SCT56N40X	3007W2SCT56N40X	7W2	9.83	7.02	5.73
706-3009W4SCT56N40X	3009W4SCT56N40X	9W4	14.94	10.67	8.72
706-3017W2SCT56N40X	3017W2SCT56N40X	17W2	15.51	11.08	9.05
706-3013W3SCT56N40X	3013W3SCT56N40X	13W3	15.51	11.08	9.05
706-3017W5SCT56N40X	3017W5SCT56N40X	17W5	20.60	14.71	12.02
706-321WA4SCT56N40X	321WA4SCT56N40X	21WA4	20.86	14.90	12.17

HIGH POWER CONTACTS

- Contacts: Copper Alloy with Gold over Nickel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Current	Wire Range	Price Each		
				1	10	100
Female - Crimp						
706-132C11019X	132C11019X	10A	16-20AWG	2.06	1.47	1.20
706-132C11029X	132C11029X	20A	12-14AWG	1.97	1.41	1.15
706-132C11039X	132C11039X	30A	10-12AWG	2.09	1.49	1.22
706-132C11049X	132C11049X	40A	8-10AWG	2.31	1.65	1.35
Male - Crimp						
706-131C11019X	131C11019X	10A	16-20AWG	1.69	1.20	.98
706-131C11029X	131C11029X	20A	12-14AWG	1.71	1.22	1.00
706-131C11039X	131C11039X	30A	10-12AWG	1.71	1.22	1.00
706-131C11049X	131C11049X	40A	8-10AWG	1.89	1.35	1.10
Female - Solder Cup						
706-132C10019X	132C10019X	10A	16-20AWG	1.89	1.35	1.10
706-132C10029X	132C10029X	20A	12-14AWG	2.40	1.71	1.40
706-132C10039X	132C10039X	30A	10-12AWG	2.06	1.47	1.20
706-132C10049X	132C10049X	40A	8-10AWG	2.09	1.49	1.22
Male - Solder Cup						
706-131C10019X	131C10019X	10A	16-20AWG	1.91	1.37	1.12
706-131C10029X	131C10029X	20A	12-14AWG	1.83	1.31	1.07
706-131C10039X	131C10039X	30A	10-12AWG	1.69	1.20	.98
706-131C10049X	131C10049X	40A	8-10AWG	1.77	1.27	1.03



COAX CONTACTS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Cable Type	Price Each		
			1	10	100
Female					
706-132J20019X	132J20019X	178, 196, 404	5.46	3.90	3.18
706-132J20029X	132J20029X	174, 188, 316	6.34	4.53	3.70
706-132J20049X	132J20049X	58	6.51	4.65	3.80
706-132J30019X	132J30019X	179, 187	5.91	4.22	3.45
Male					
706-131J20019X	131J20019X	178, 196, 404	5.23	3.73	3.05
706-131J20029X	131J20029X	174, 188, 316	5.60	4.00	3.27
706-131J20049X	131J20049X	58	5.83	4.16	3.40
706-131J30019X	131J30019X	179, 187	6.09	4.35	3.55

FILTERED D-SUBS

- Shell: Tin plated Brass/Steel
- RoHS Compliant per Conec documentation
- Contacts: Copper Alloy with Gold over Nickel

∗ High Density Version

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Price Each		
				1	10	100
C-Filter Adapter - Male/Female with Jack Screws						
706-243A10050X	243A10050X	---	9	10.81	8.65	7.41
706-243A10060X	243A10060X	---	15	13.56	10.85	9.30
706-243A10070X	243A10070X	---	25	16.33	13.07	11.20
∗ 706-243A11680X	243A11680X	---	15	16.69	13.35	11.44
Solder Cup - Female - Through Hole						
706-242A26860X	242A26860X	A	9	7.79	6.23	5.34
706-242A26870X	242A26870X	A	15	10.81	8.65	7.41
706-242A26880X	242A26880X	A	25	14.15	11.32	9.70
Solder Cup - Female - Threaded Insert						
706-242A27020X	242A27020X	A	9	9.71	7.77	6.66
706-242A27030X	242A27030X	A	15	12.90	10.32	8.84
706-242A27040X	242A27040X	A	25	16.42	13.13	11.26
Solder Cup - Male - Through Hole						
706-241A26960X	241A26960X	A	9	7.56	6.05	5.19
706-241A26970X	241A26970X	A	15	10.23	8.18	7.01
706-241A26980X	241A26980X	A	25	13.27	10.62	9.10
Solder Cup - Male - Threaded Insert						
706-241A27120X	241A27120X	A	9	9.50	7.60	6.51
706-241A27130X	241A27130X	A	15	12.29	9.83	8.43
706-241A27140X	241A27140X	A	25	15.60	12.48	10.70
PCB Mount - Female - Threaded Insert - Right Angle						
706-242A17660X	242A17660X	B	9	12.40	9.92	8.50
706-242A17670X	242A17670X	B	15	21.75	17.40	14.91
706-242A17680X	242A17680X	B	25	19.21	15.37	13.17
PCB Mount - Male - Threaded Insert - Right Angle						
706-241A16060X	241A16060X	B	9	10.54	8.43	7.23
706-241A16070X	241A16070X	B	15	12.88	10.30	8.83
706-241A16080X	241A16080X	B	25	17.54	14.03	12.03
PCB Mount - Female - Threaded Spacer Clip - Vertical						
706-242A15030X	242A15030X	A	9	10.15	8.12	6.96
706-242A15040X	242A15040X	A	15	12.69	10.15	8.70
706-242A15050X	242A15050X	A	25	21.33	17.07	14.63
∗ 706-242A20650X	242A20650X	A	15	15.25	12.20	10.46

WATER RESISTANT D-SUBS

- Shell: Tin plated Brass/Steel
- Voltage: 125V
- IP67
- Contacts: Copper Alloy with Gold over Nickel
- RoHS Compliant per Conec documentation
- Current: 5A
- Operating Temperature: -40°C to +105°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Price Each		
				1	10	100
Solder Cup - Female						
706-6STD09SCM99B30X	6STD09SCM99B30X	C	9	10.93	8.34	7.03
706-6STD15SCM99B30X	6STD15SCM99B30X	C	15	12.44	9.49	8.00
706-6STD25SCM99B30X	6STD25SCM99B30X	C	25	16.82	12.83	10.81
Solder Cup - Male - PCB Mount - Die Cast						
706-6STD09PCM99B30X	6STD09PCM99B30X	C	9	12.60	9.61	8.10
706-6STD15PCM99B30X	6STD15PCM99B30X	C	15	14.09	10.75	9.06
706-6STD25PCM99B30X	6STD25PCM99B30X	C	25	17.00	12.97	10.93
Solder Cup - Male - Sealed - No Frame						
706-4STD09PCM99A10X	4STD09PCM99A10X	A	9	7.76	5.92	4.99
706-4STD15PCM99A10X	4STD15PCM99A10X	A	15	9.47	7.22	6.09
706-4STD25PCM99A10X	4STD25PCM99A10X	A	25	11.87	9.05	7.63
Solder Pin - Female - Right Angle						
706-6STD09SCT99S40X	6STD09SCT99S40X	D	9	13.69	10.44	8.80
706-6STD15SCT99S40X	6STD15SCT99S40X	D	15	15.73	12.00	10.11
706-6STD25SCT99S40X	6STD25SCT99S40X	D	25	19.89	15.17	12.79
Hoods						
706-165X14819XE	165X14819XE	---	9	14.58	11.12	9.37
706-165X14829XE	165X14829XE	---	15	13.80	10.53	8.87
706-165X14839XE	165X14839XE	---	25	14.22	10.85	9.14

CONEC D-Sub Hardware and Accessories

TECHNOLOGY IN CONNECTORS™

RoHS Compliant This page of product is compliant.

D-SUB HOODS

Plastic Hoods

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Price Each		
				1	10	100
Shielded - Side Entry						
706-165X00779XE	165X00779XE	A	9	8.77	6.14	4.95
706-165X00789XE	165X00789XE	A	15	9.80	6.86	5.53
706-165X00799XE	165X00799XE	A	25	13.83	9.68	7.81
Straight Entry - Black						
706-165X10139XE	165X10139XE	B	9	4.91	3.44	2.77
706-165X10149XE	165X10149XE	B	15	4.91	3.44	2.77
706-165X10159XE	165X10159XE	B	25	5.37	3.76	3.03
706-165X10169XE	165X10169XE	B	37	6.54	4.58	3.69
706-165X10179XE	165X10179XE	B	50	11.40	7.98	6.44
706-165X13179XE	165X13179XE	B	9	4.03	2.82	2.27
706-165X13199XE	165X13199XE	B	25	5.20	3.64	2.94
706-165X13209XE	165X13209XE	B	37	5.54	3.88	3.13
706-165X10389XE	165X10389XE	B	9	3.43	2.40	1.94
706-165X10399XE	165X10399XE	B	15	3.43	2.40	1.94
706-165X10409XE	165X10409XE	B	25	3.46	2.42	1.95
706-165X10419XE	165X10419XE	B	37	3.97	2.78	2.24
706-165X10429XE	165X10429XE	B	50	5.00	3.50	2.82
Straight Entry - Metalized						
706-165X10909XE	165X10909XE	B	9	7.83	5.48	4.42
706-165X10919XE	165X10919XE	B	15	8.23	5.76	4.65
706-165X10929XE	165X10929XE	B	25	8.69	6.08	4.90
Top Entry - Gray						
706-165X11869XE	165X11869XE	B	9	3.11	2.18	1.76
Side Entry - Black						
706-165X10439XE	165X10439XE	C	9	3.11	2.18	1.76
706-165X10449XE	165X10449XE	C	15	3.54	2.48	2.00
706-165X10459XE	165X10459XE	C	25	3.46	2.42	1.95
706-165X10469XE	165X10469XE	C	37	3.26	2.28	1.84
706-165X10479XE	165X10479XE	C	50	5.00	3.50	2.82
Dual Entry Gray						
706-165X11879XE	165X11879XE	D	15	3.29	2.30	1.85
706-165X11889XE	165X11889XE	D	25	3.46	2.42	1.95
706-165X11899XE	165X11899XE	D	37	3.77	2.64	2.13
Dual Entry - Black						
706-165X11239XE	165X11239XE	D	9	3.77	2.64	2.13
706-165X11249XE	165X11249XE	D	15	3.60	2.52	2.03
706-165X11259XE	165X11259XE	D	25	4.40	3.08	2.48
706-165X11269XE	165X11269XE	D	37	4.97	3.48	2.81
Dual Entry with Slidelock						
706-165X11279XE	165X11279XE	D	9	6.06	4.24	3.42
706-165X11289XE	165X11289XE	D	15	6.14	4.30	3.47
706-165X11299XE	165X11299XE	D	25	6.57	4.60	3.71
706-165X11309XE	165X11309XE	D	37	8.83	6.18	4.98
Dual Entry with Slidelock - Metalized						
706-165X11319XE	165X11319XE	D	9	6.69	4.68	3.77
706-165X11329XE	165X11329XE	D	15	7.00	4.90	3.95
706-165X11339XE	165X11339XE	D	25	7.29	5.10	4.11
706-165X11349XE	165X11349XE	D	37	8.83	6.18	4.98
Dual Entry - No Hardware						
706-165X13219XE	165X13219XE	E	9	1.71	1.20	.97
706-165X13239XE	165X13239XE	E	25	1.83	1.28	1.03
For IDC Flat Cable						
706-165X14029XE	165X14029XE	F	25	4.06	2.84	2.29
Straight Entry - For Combination D-Subs						
706-165X13369XE	165X13369XE	G	9	4.23	2.96	2.39
706-165X13379XE	165X13379XE	G	15	4.46	3.12	2.52
706-165X13389XE	165X13389XE	G	25	4.60	3.22	2.60
706-165X13399XE	165X13399XE	G	37	5.60	3.92	3.16
706-165X13409XE	165X13409XE	G	50	5.60	3.92	3.16
Side Entry - For Combination D-Subs						
706-165X13419XE	165X13419XE	H	9	4.23	2.96	2.39
706-165X13429XE	165X13429XE	H	15	4.23	2.96	2.39
706-165X13439XE	165X13439XE	H	25	4.46	3.12	2.52
706-165X13449XE	165X13449XE	H	37	4.60	3.22	2.60
706-165X13459XE	165X13459XE	H	50	5.60	3.92	3.16

Metal Hoods

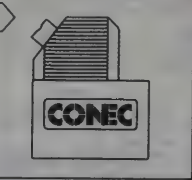
For quantities of 500 and up, call for quote.

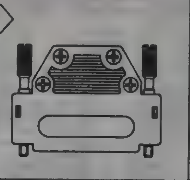
MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Price Each		
				1	10	100
Straight Entry						
706-165X02609XE	165X02609XE	I	9	5.29	3.70	2.98
706-165X02619XE	165X02619XE	I	15	6.57	4.60	3.71
706-165X02629XE	165X02629XE	I	25	6.66	4.66	3.76
706-165X02639XE	165X02639XE	I	37	8.91	6.24	5.03
Side Entry						
706-165X02689XE	165X02689XE	J	9	5.29	3.70	2.98
706-165X02699XE	165X02699XE	J	15	5.34	3.74	3.02
706-165X02709XE	165X02709XE	J	25	5.40	3.78	3.05
706-165X02719XE	165X02719XE	J	37	8.91	6.24	5.03

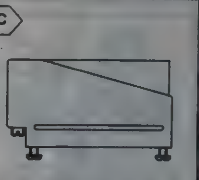
GENDER CHANGERS

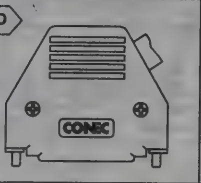
For quantities of 500 and up, call for quote.

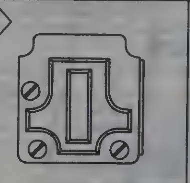
MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Price Each		
				1	10	100
Male/Male						
706-320X12509X	320X12509X	K	9	2.26	1.72	1.39
706-320X12529X	320X12529X	K	15	2.50	1.90	1.53
706-320X10549X	320X10549X	K	25	3.21	2.44	1.97
706-320X12549X	320X12549X	K	37	4.58	3.48	2.81
Female/Female						
706-320X12519X	320X12519X	L	9	2.39	1.82	1.47
706-320X12539X	320X12539X	L	15	2.71	2.06	1.66
706-320X10559X	320X10559X	L	25	3.24	2.46	1.98
706-320X12559X	320X12559X	L	37	4.84	3.68	2.97

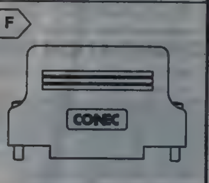
A


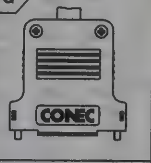
B


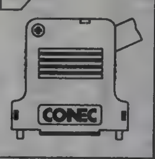
C


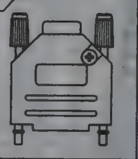
D


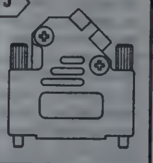
E


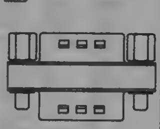
F


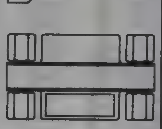
G


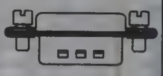
H


I


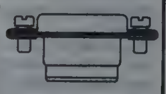
J


K


L


M


Shown with Screws

N


METAL CAPS

Metal Caps

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Price Each		
				1	10	100
Female						
706-165X12969X	165X12969X	M	9	1.12	.79	.64
706-165X12979X	165X12979X	M	15	1.12	.79	.64
706-165X12989X	165X12989X	M	25	1.09	.77	.62
Female with Screws						
706-165X16719X	165X16719X	M	9	1.82	1.28	1.03
706-165X16729X	165X16729X	M	15	2.06	1.45	1.17
706-165X16739X	165X16739X	M	25	1.82	1.28	1.03
Male						
706-165X13129X	165X13129X	M	9	1.06	.74	.60
706-165X13139X	165X13139X	M	15	1.09	.77	.62
706-165X13149X	165X13149X	M	25	1.30	.91	.74
Male with Screws						
706-165X16769X	165X16769X	M	9	1.79	1.26	1.02
706-165X16779X	165X16779X	M	15	2.00	1.40	1.14
706-165X16789X	165X16789X	M	25	2.00	1.40	1.14

Water Resistant Metal Caps

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Price Each		
				1	10	100
Female with Screws						
706-165X14719X	165X14719X	M	9	6.97	4.42	3.54
706-165X14729X	165X14729X	M	15	6.79	4.31	3.45
706-165X14739X	165X14739X	M	25	6.58	4.17	3.34
Male with Screws						
706-165X14769X	165X14769X	N	9	6.91	4.38	3.51
706-165X14779X	165X14779X	N	15	6.58	4.17	3.34
706-165X14789X	165X14789X	N	25	6.48	4.08	3.26

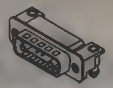
HARDWARE

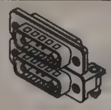
For quantities of 500 and up, call for quote.

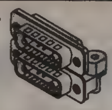
MOUSER STOCK NO.	Conec Part No.	Fig.	Number of Positions	Price Each		
				1	10	100
Slidelock with Self Tapping Screws						
706-160X10159X	160X10159X	---	9	1.85	1.30	1.05
706-160X10169X	160X10169X	---	15	1.94	1.36	1.10
706-160X10179X	160X10179X	---	25	1.76	1.23	1.00
Slidelock with 4-40 Screws						
706-160X10689X	160X10689X	---	9	2.06	1.45	1.17
706-160X10699X	160X10699X	---	15	2.03	1.43	1.16
706-160X10709X	160X10709X	---	25	1.97	1.38	1.12
Lock for Slidelock	• Use with Dual Entry Slidelock Hoods					
706-165X10119X	165X10119X	---	---	.37	.26	.21
Locking Bolt Set	• Use with Slidelocks					
706-160X10209X	160X10209X	---	---	.67	.47	.38
Hex Locking Screws and Hardware						
706-160X10359X	160X10359X	---	---	.67	.47	.38
706-160X10329X	160X10329X	---	---	1.97	1.38	1.12
Screw Locking Clamp						
706-160X10259X	160X10259X	---	---	.70	.49	.40

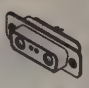
FCI Mixed Power D-SUB Connectors

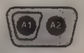
RoHS Compliant **This page of product is compliant.**

A


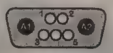
B


C


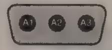
D


E


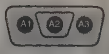
2V2

F


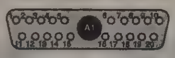
7W2

G


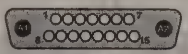
3W3

H


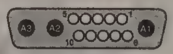
3V3

I


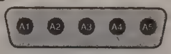
21W1

J


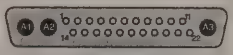
17W2

K


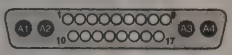
13W3

L


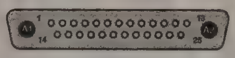
5W5

M


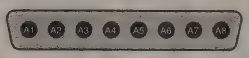
25W3

N


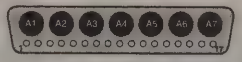
21W4

O


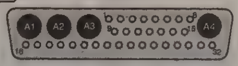
27W2

P


8W8

Q


24W7

R


36W4

μTCA D-SUB CONNECTORS

This power module I/O connectors for 24 and 48 volt applications are designed in accordance with μTCA specifications. The robust D-sub concept based on simplified and cost effective Delta D design combines power contact able to handle up to 49A with signal contacts.

NEW PRODUCT

Features:

- First mate last brake functioinality for hot plugging
- Single and Dual versions
- Solder and Pin-in-Paste terminations
- Field repairable
- Touch proof
- Loose female screw locks cable connector
- Stackable hoods with high retention devices

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Gender	AWG	Max Current	Price Each		
						1	5	10
649-170158-00319XLF	10070158-00319XLF	A	Male	Solder to board	Single	13.73	12.48	11.86
649-170158-00419XLF	10070158-00419XLF	A	Male	Pin in Paste	Single	13.99	12.72	12.08
649-170158-00119XLF	10070158-00119XLF	B	Male	Solder to board	Dual	27.46	24.96	23.71
649-170158-00219XLF	10070158-00219XLF	C	Male	Pin in Paste	Dual	32.91	29.92	28.42
649-170165-00119ALF	10070165-00119ALF	D	Female	Solder	Cable Connector	7.72	7.02	6.66

MIXED POWER CABLE CONNECTORS

(Contacts not Included)

Material Specifications:

- Shell: Steel
- Insulator: Thermoplastic
- Contacts: Copper Alloy

Standard Plating:
- Shell: Tin
- Contact: Active Area: Gold over Nickel
  Termination Area: Tin over Nickel

- RoHS Compliant per FCI documentation

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	ShellSize	Type	Arrangement	Price Each		
						1	5	10
649-DE2V2PA00LF	DE2V2PA00LF	E	E (9 way shell)	Pin	2V2	2.04	1.86	1.77
649-DE2V2SA00LF	DE2V2SA00LF	E	E (9 way shell)	Socket	2V2	2.13	1.93	1.84
649-DA7W2PA00LF	DA7W2PA00LF	F	A (15 way shell)	Pin	7W2	3.13	2.84	2.70
649-DA7W2SA00LF	DA7W2SA00LF	F	A (15 way shell)	Socket	7W2	3.56	3.24	3.08
649-DA3W3PA00LF	DA3W3PA00LF	G	A (15 way shell)	Pin	3W3	1.19	1.08	1.03
649-DA3W3SA00LF	DA3W3SA00LF	G	A (15 way shell)	Socket	3W3	1.10	1.00	.95
649-DA3V3PA00LF	DA3V3PA00LF	H	A (15 way shell)	Pin	3V3	1.07	.97	.92
649-DA3V3SA00LF	DA3V3SA00LF	H	A (15 way shell)	Socket	3V3	1.52	1.39	1.32
649-DB21W1PA00LF	DB21W1PA00LF	I	B (25 way shell)	Pin	21W1	7.24	6.59	6.25
649-DB21W1SA00LF	DB21W1SA00LF	I	B (25 way shell)	Socket	21W1	9.82	8.93	8.48
649-DB17W2PA00LF	DB17W2PA00LF	J	B (25 way shell)	Pin	17W2	6.55	5.96	5.67
649-DB17W2SA00LF	DB17W2SA00LF	J	B (25 way shell)	Socket	17W2	7.94	7.21	6.85
649-DB13W3PA00LF	DB13W3PA00LF	K	B (25 way shell)	Pin	13W3	4.31	3.92	3.73
649-DB13W3SA00LF	DB13W3SA00LF	K	B (25 way shell)	Socket	13W3	5.95	5.41	5.14
649-DB5W5PA00LF	DB5W5PA00LF	L	B (25 way shell)	Pin	5W5	1.76	1.60	1.52
649-DB5W5SA00LF	DB5W5SA00LF	L	B (25 way shell)	Socket	5W5	2.09	1.89	1.80
649-DC25W3PA00LF	DC25W3PA00LF	M	C (37 way shell)	Pin	25W3	6.46	5.87	5.58
649-DC25W3SA00LF	DC25W3SA00LF	M	C (37 way shell)	Socket	25W3	8.39	7.62	7.24
649-DC21WA4PA00LF	DC21WA4PA00LF	N	C (37 way shell)	Pin	21WA4	6.74	6.14	5.83
649-DC21WA4SA00LF	DC21WA4SA00LF	N	C (37 way shell)	Socket	21WA4	8.56	7.79	7.40
649-DC27W2PA00LF	DC27W2PA00LF	O	C (37 way shell)	Pin	27W2	7.39	6.71	6.38
649-DC27W2SA00LF	DC27W2SA00LF	O	C (37 way shell)	Socket	27W2	9.35	8.50	8.08
649-DC8W8PA00LF	DC8W8PA00LF	P	C (37 way shell)	Pin	8W8	1.75	1.59	1.51
649-DC8W8SA00LF	DC8W8SA00LF	P	C (37 way shell)	Socket	8W8	1.75	1.59	1.51
649-DD24W7PA00LF	DD24W7PA00LF	Q	D (50 way shell)	Pin	24W7	8.96	8.15	7.73
649-DD24W7SA00LF	DD24W7SA00LF	Q	D (50 way shell)	Socket	24W7	10.11	9.18	8.72
649-DD36W4PA00LF	DD36W4PA00LF	R	D (50 way shell)	Pin	36W4	21.10	19.16	18.15
649-DD36W4SA00LF	DD36W4SA00LF	R	D (50 way shell)	Socket	36W4	11.27	10.24	9.73

POWER CONTACTS

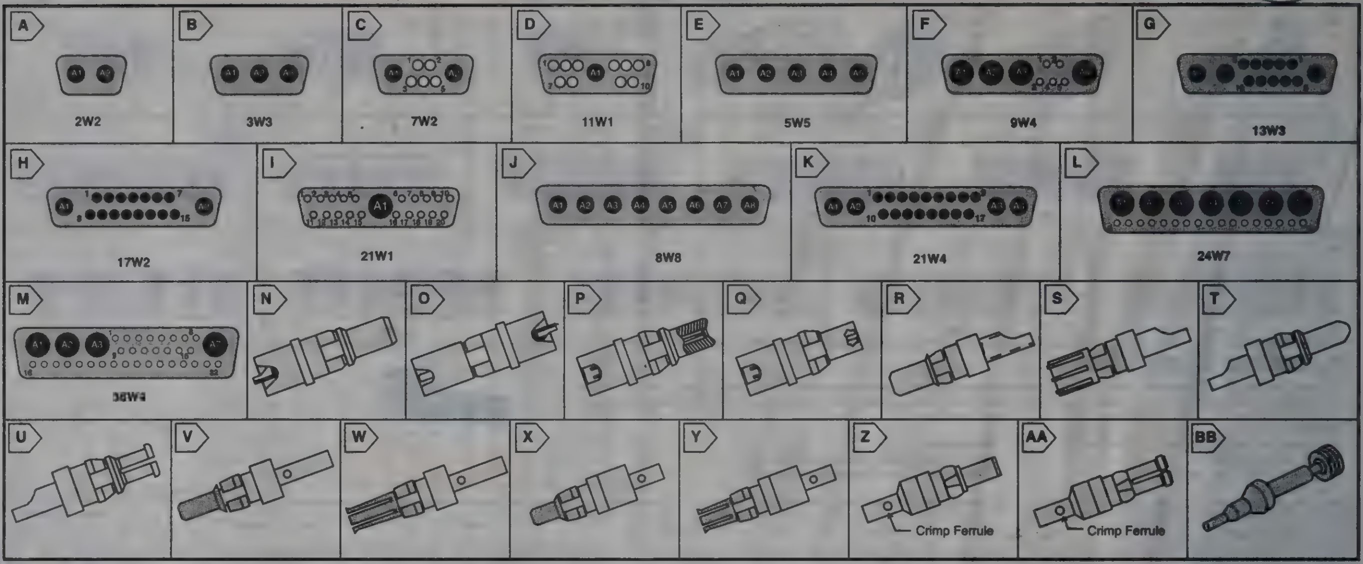
Material Specifications:

- Clip Material: Plastic withstanding 125° C
- Termination Plating: Matte Tin
- RoHS Compliant per FCI documentation

For quantities of 25 and up, call for quote.

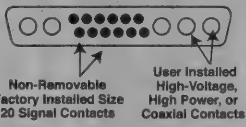
MOUSER STOCK NO.	FCI Part No.	Gender	AWG	Max Current	Price Each		
					1	5	10
Solder Bucket							
649-8638PPS1005LF	8638PPS1005LF	Pin	16	10 A	2.68	2.44	2.32
649-8638PSS1005LF	8638PSS1005LF	Socket	16	10 A	3.27	2.97	2.82
649-8638PPS2005LF	8638PPS2005LF	Pin	12	20 A	1.63	1.49	1.41
649-8638PSS2005LF	8638PSS2005LF	Socket	12	20 A	2.85	2.59	2.46
649-8638PPS4005LF	8638PPS4005LF	Pin	8	40 A	2.31	2.10	2.00
649-8638PSS4005LF	8638PSS4005LF	Socket	8	40 A	2.80	2.55	2.42
Crimp							
649-8638PSC1005LF	8638PSC1005LF	Socket	16-18	10 A	1.96	1.78	1.69
649-8638PPC2005LF	8638PPC2005LF	Pin	12-14	20 A	2.68	2.44	2.32
649-8638PSC2005LF	8638PSC2005LF	Socket	12-14	20 A	2.02	1.83	1.74
649-8638PPC4005LF	8638PPC4005LF	Pin	8-10	40 A	2.34	2.13	2.02
649-8638PSC4005LF	8638PSC4005LF	Socket	8-10	40 A	2.43	2.21	2.10

FCT ELECTRONICS Cable Mixed D-Sub Connectors



D-SUB MIXED CONTACT CONNECTOR HOUSINGS

These D-subminiature connectors have added versatility and convenience of mixed contact arrangements. This allows coaxial and/or power contacts to be combined with standard signal contacts in a single housing. These connectors have non-removable, size 20 signal contacts. They are available in nine contact configurations,male and female, and four shell sizes. To order, select the shell size and contact arrangement that best suits your application from the layouts. Order the optional 50Ω or 75Ω coaxial contacts for your high speed data or the high voltage or high power contacts for your power requirements. Combinations can be created using all three contacts resulting in a custom designed connector unique to your application.


Non-Removable Factory Installed Size 20 Signal Contacts
User Installed High-Voltage, High Power, or Coaxial Contacts

Contact Arrangements

RoHS Compliant

Features:
- Standard D-sub shell
- Housings plug with grounding indents
- Non-removable size 20 signal contacts
- Choice of standard signal contacts and/or power contacts

Specifications:
- Flammability rating: UL 94V-0
- Temperature rating: -55°C to +155°C
- Contact/contact resistance: 500 megohm
- Plating: tin

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Type	Arrange ment	Price Each			
						1	5	10	25
*152F2W2PC	F2W2PC-K120	A	9	Plug	2W2	1.89	1.72	1.63	1.54
*152F2W2SC	F2W2SC-K121	A	9	Socket	2W2	1.86	1.69	1.61	1.52
152-FM3W3P	FM3W3P	B	15	Plug	3W3	1.30	1.18	1.12	1.06
152-FM3W3S	FM3W3S	B	15	Socket	3W3	1.32	1.20	1.14	1.08
*152-F3W3PC	F3W3PC	B	15	Plug	3W3	1.91	1.73	1.65	1.56
*152-F3W3SC	F3W3SC	B	15	Socket	3W3	1.78	1.62	1.54	1.46
152-FM7W2P	FM7W2P	C	15	Plug	7W2	2.72	2.47	2.35	2.23
152-FM7W2S	FM7W2S	C	15	Socket	7W2	3.08	2.80	2.66	2.52
152-FM11W1P	FM11W1P	D	15	Plug	11W1	3.71	3.37	3.21	3.04
152-FM11W1S	FM11W1S	D	15	Socket	11W1	5.36	4.88	4.63	4.39
152-FM5W5P	FM5W5P	E	25	Plug	5W5	1.83	1.66	1.58	1.50
152-FM5W5S	FM5W5S	E	25	Socket	5W5	1.35	1.22	1.16	1.10
152-FM9W4P	FM9W4P-K120	F	25	Plug	9W4	3.56	3.24	3.08	2.92
152-FM9W4S	FM9W4S-K121	F	25	Socket	9W4	4.13	3.76	3.57	3.38
152-FM13W3P	FM13W3P	G	25	Plug	13W3	3.71	3.37	3.21	3.04
152-FM13W3S	FM13W3S	G	25	Socket	13W3	4.55	4.14	3.93	3.72
152-FM17W2P	FM17W2P	H	25	Plug	17W2	6.97	6.33	6.02	5.70
152-FM17W2S	FM17W2S	H	25	Socket	17W2	8.52	7.74	7.36	6.97
152-FM21W1P	FM21W1P-K120	I	25	Plug	21W1	7.70	7.00	6.65	6.30
152-FM21W1S	FM21W1S-K121	I	25	Socket	21W1	9.29	8.45	8.02	7.60
152-FM8W8P	FM8W8P	J	37	Plug	8W8	1.83	1.66	1.58	1.50
152-FM8W8S	FM8W8S	J	37	Socket	8W8	1.93	1.76	1.67	1.58
152-FM21WA4P	FM21WA4P	K	37	Plug	21W4	7.58	6.89	6.54	6.20
152-FM21WA4S	FM21WA4S	K	37	Socket	21W4	9.53	8.67	8.23	7.80
152-FM24W7P	FM24W7P-K120	L	50	Plug	24W7	6.84	6.22	5.91	5.60
152-FM24W7S-K121	FM24W7S-K121	L	50	Socket	24W7	8.84	8.04	7.63	7.23
152-FM36W4P	FM36W4P-K120	M	50	Plug	36W4	11.21	10.20	9.69	9.18
152-FM36W4S	FM36W4S-K121	M	50	Socket	36W4	13.83	12.57	11.94	11.31

* Coded

HIGH VOLTAGE CONTACTS

RoHS Compliant

Specifications:
- Current Rating: 2 Amps
- For 20 AWG Wire
- Plating: 50 μ" Gold
- Operating Voltage: 2800V
- Breakdown Voltage: 3800V
- Temperature Range: -55°C to +125°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Price Each			
				1	5	10	25
152-FMV1	FMV001P107K	N	Plug, solder cup	2.64	2.40	2.28	2.16
152-FMV3	FMV001S107K	O	Receptacle contact	2.01	1.83	1.73	1.64
152-FMV002P107K	FMV002P107K	P	Plug, R/A solder cup	7.41	6.74	6.40	6.07
152-FMV002S107K	FMV002S107K	Q	Socket, R/A solder cup	7.41	6.74	6.40	6.07

HIGH POWER CONTACTS

- Temperature Range:-55°C to +125°C
- Plating: 30 μ" Gold

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	AWG	Description	Price Each			
					1	5	10	25
Solder								
152-FMP005P103	FMP005P103	R	16-20	10A plug contact	1.63	1.48	1.41	1.33
152-FMP005S103	FMP005S103	S	16-20	10A socket contact	2.11	1.92	1.82	1.73
152-FMP006P103	FMP006P103	R	12-16	20A plug contact	1.73	1.57	1.49	1.41
152-FMP006S103	FMP006S103	S	12-16	20A socket contact	2.29	2.08	1.98	1.87
152-FMP007P103	FMP007P103	R	8-12	40A plug contact	1.83	1.66	1.58	1.50
152-FMP007S103	FMP007S103	S	8-12	40A socket contact	2.29	2.08	1.98	1.87
* 152-FMA026P103	FMA026P103	T	16-20	10A plug contact	2.66	2.42	2.30	2.18
* 152-FMA026S103	FMA026S103	U	16-20	10A socket contact	3.97	3.61	3.43	3.25
Crimp								
152-FMP002P103	FMP002P103	V	16-20	10A plug contact	1.96	1.78	1.69	1.60
152-FMP002S103	FMP002S103	W	16-20	10A socket contact	2.47	2.24	2.13	2.02
152-FMP003P103	FMP003P103	V	12-14	20A plug contact	2.11	1.92	1.82	1.73
152-FMP003S103	FMP003S103	W	12-14	20A socket contact	2.57	2.33	2.22	2.10
152-FMP004P103	FMP004P103	V	8-10	40A plug contact	2.14	1.94	1.84	1.75
152-FMP004S103	FMP004S103	W	8-10	40A socket contact	2.69	2.45	2.33	2.20

* Early make late break

COAXIAL CONTACTS

Specifications:
- Impedance: 50Ω or 75Ω
- Current Rating: 2 A Max,
- Plating: 30 μ" Gold
- Deep Drawn Ferrules
- Suitable Cables RG: 1=178BU,196AU,404U
  2=174U,188AU,316U
  3=316U Dbl. Braided
  4=179BU,187AU

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Cable Size	Description	Price Each			
					1	5	10	25
50 Ohm Crimp/Solder								
152-FMX005P102	FMX005P102	X	1	plug contact	5.49	4.99	4.74	4.49
152-FMX005S102	FMX005S102	Y	1	socket contact	4.63	4.21	4.00	3.79
152-FMX006P102	FMX006P102	X	2	plug contact	4.19	3.81	3.62	3.43
152-FMX006S102	FMX006S102	Y	2	socket contact	4.86	4.41	4.19	3.97
50 Ohm Crimp/Crimp								
152-FMS001P102	FMS001P102	Z	2	plug contact	4.09	3.72	3.53	3.35
152-FMS001S102	FMS001S102	AA	2	socket contact	4.65	4.23	4.02	3.81
152-FMS006P102	FMS006P102	Z	3	plug contact	4.27	3.88	3.69	3.49
152-FMS006S102	FMS006S102	AA	3	socket contact	4.91	4.46	4.24	4.01
75 Ohm Crimp/Solder								
152-FMX003P102	FMX003P102	X	4	plug contact	5.08	4.62	4.39	4.16
152-FMX003S102	FMX003S102	Y	4	socket contact	4.35	3.95	3.75	3.56
75 Ohm Crimp/Crimp								
152-FMS002P102	FMS002P102	Z	4	plug contact	4.12	3.74	3.56	3.37
152-FMS002S102	FMS002S102	AA	4	socket contact	4.65	4.23	4.02	3.81

CONTACT EXTRACTION TOOL

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Price Each
152-DRK38	DRK38	BB	for: Coaxial, high voltage, and high power	105.54

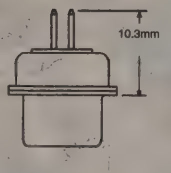
FCT ELECTRONICS PCB Mixed D-Sub Connectors

RoHS Compliant This page of product is compliant.

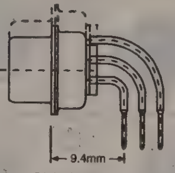
PCB MIXED D-SUB CONNECTORS

Features:
- Standard D-Sub Shell
- Housings plug with grounding indents
- Non-Removeable size 20 signal contacts
- Choice of standard signal contacts and/or power contacts
- RoHS per FCT Documentation

Specifications:
- Flammability rating: UL94V-0
- Temperature rating: -55° C to 155° C
- Contact/Contact resistance: 500 megohm
- Plating: Tin



Straight



Right Angle

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Type	Shell Size	Arrangement	Price Each			
						1	5	10	25
Straight									
152-FM7W2P1-K120	FM7W2P1-K120	A	PCB Plug	15P	7W2	3.73	3.36	3.19	3.02
152-FM7W2S1-K121	FM7W2S1-K121	A	PCB Socket	15P	7W2	4.13	3.72	3.53	3.35
152-FM11W1P1-K120	FM11W1P1-K120	B	PCB Plug	15P	11W1	5.31	4.78	4.54	4.30
152-FM11W1S1-K121	FM11W1S1-K121	B	PCB Socket	15P	11W1	6.47	5.82	5.53	5.24
152-FM9W4P1-K120	FM9W4P1-K120	C	PCB Plug	25P	9W4	2.69	2.42	2.30	2.18
152-FM9W4S1-K121	FM9W4S1-K121	C	PCB Socket	25P	9W4	4.38	3.94	3.74	3.55
152-FM13W3P1-K120	FM13W3P1-K120	D	PCB Plug	25P	13W3	5.18	4.66	4.43	4.19
152-FM13W3S1-K121	FM13W3S1-K121	D	PCB Socket	25P	13W3	7.00	6.30	5.99	5.67
152-FM17W2P1-K120	FM17W2P1-K120	E	PCB Plug	25P	17W2	6.91	6.22	5.91	5.60
152-FM17W2S1-K121	FM17W2S1-K121	E	PCB Socket	25P	17W2	9.04	8.14	7.73	7.33
152-FM21W1P1-K120	FM21W1P1-K120	F	PCB Plug	25P	21W1	8.44	7.60	7.22	6.84
152-FM21W1S1-K121	FM21W1S1-K121	F	PCB Socket	25P	21W1	10.24	9.22	8.76	8.30
152-FM21WA4P1-K120	FM21WA4P1-K120	G	PCB Plug	37P	21WA4	8.20	7.38	7.01	6.64
152-FM21WA4S1-K121	FM21WA4S1-K121	G	PCB Socket	37P	21WA4	10.09	9.08	8.63	8.17
152-FM24W7P1-K120	FM24W7P1-K120	H	PCB Plug	50P	24W7	8.44	7.60	7.22	6.84
152-FM24W7S1-K121	FM24W7S1-K121	H	PCB Socket	50P	24W7	10.44	9.40	8.93	8.46
152-FM36W4P1-K120	FM36W4P1-K120	I	PCB Plug	50P	36W4	13.36	12.02	11.42	10.82
152-FM36W4S1-K121	FM36W4S1-K121	I	PCB Socket	50P	36W4	17.20	15.48	14.71	13.93
Right Angle									
152-FM7W2P5-1002	FM7W2P5-1002	A	PCB Plug	15P	7W2	7.44	6.70	6.37	6.03
152-FM7W2S5-1002	FM7W2S5-1002	A	PCB Socket	15P	7W2	8.56	7.70	7.32	6.93
152-FM11W1P5-1002	FM11W1P5-1002	B	PCB Plug	15P	11W1	10.89	9.80	9.31	8.82
152-FM11W1S5-1002	FM11W1S5-1002	B	PCB Socket	15P	11W1	13.31	11.98	11.38	10.78
152-FM9W4P5-1002	FM9W4P5-1002	C	PCB Plug	25P	9W4	7.64	6.88	6.54	6.19
152-FM9W4S5-1002	FM9W4S5-1002	C	PCB Socket	25P	9W4	9.09	8.18	7.77	7.36
152-FM13W3P5-1002	FM13W3P5-1002	D	PCB Plug	25P	13W3	10.89	9.80	9.31	8.82
152-FM13W3S5-1002	FM13W3S5-1002	D	PCB Socket	25P	13W3	13.51	12.16	11.55	10.94
152-FM17W2P5-1002	FM17W2P5-1002	E	PCB Plug	25P	17W2	13.91	12.52	11.89	11.27
152-FM17W2S5-1002	FM17W2S5-1002	E	PCB Socket	25P	17W2	17.24	15.52	14.74	13.97
152-FM21W1P5-1002	FM21W1P5-1002	F	PCB Plug	25P	21W1	17.09	15.38	14.61	13.84
152-FM21W1S5-1002	FM21W1S5-1002	F	PCB Socket	25P	21W1	21.47	19.32	18.35	17.39
152-FM21WA4P5-1002	FM21WA4P5-1002	G	PCB Plug	37P	21WA4	15.20	13.68	13.00	12.31
152-FM21WA4S5-1002	FM21WA4S5-1002	G	PCB Socket	37P	21WA4	19.02	17.12	16.26	15.41
Mixed Gender									
152-F2W2PC-1002	F2W2PC-1002	J	PCB Plug	9P	2W2	4.18	3.76	3.57	3.38
152-F2W2SC-1002	F2W2SC-1002	J	PCB Socket	9P	2W2	4.18	3.76	3.57	3.38
152-F3W3PC-1002	F3W3PC-1002	K	PCB Plug	15P	3W3	4.69	4.22	4.01	3.80
152-F3W3SC-1002	F3W3SC-1002	K	PCB Socket	15P	3W3	4.69	4.22	4.01	3.80

HIGH POWER CONTACTS, PCB TERMINATION

Features:
- Temperature Range: -55°C to ± 125°C
- Plating: 30μ" Gold
- RoHS per FCT Documentation

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Price Each			
				1	5	10	25
Straight							
152-FMP010P104	FMP010P104	L	20 AMP PCB Plug	1.49	1.34	1.27	1.21
152-FMP010S104	FMP010S104	M	20 AMP PCB Socket	1.93	1.74	1.65	1.57
152-FMP016P104	FMP016P104	L	40 AMP PCB Plug	1.60	1.44	1.37	1.30
152-FMP016S104	FMP016S104	M	40 AMP PCB Socket	1.98	1.78	1.69	1.60
Right Angle							
152-FMP008P104	FMP008P104	N	20 AMP PCB R/A Plug	1.73	1.56	1.48	1.40
152-FMP008S104	FMP008S104	O	20 AMP PCB R/A Socket	2.24	2.02	1.92	1.82
152-FMP009P104	FMP009P104	N	40 AMP PCB R/A Plug	1.98	1.78	1.69	1.60
152-FMP009S104	FMP009S104	O	40 AMP PCB R/A Socket	2.49	2.24	2.13	2.02

COAXIAL CONTACTS, PCB TERMINATION

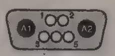
Features:
- Current Rating: 2 A Max.
- Plating: 30μ" Gold
- RoHS per FCT Documentation

RoHS Compliant

For quantities of 50 and up, call for quote.

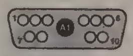
MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Price Each			
				1	5	10	25
3 Pin Straight							
152-FME010P102	FME010P102	P	50 Ohm PCB Plug	4.98	4.48	4.26	4.03
152-FME010S102	FME010S102	Q	50 Ohm PCB Socket	4.82	4.34	4.12	3.91
152-FME005P102	FME005P102	R	75 Ohm PCB Plug	5.22	4.70	4.47	4.23
152-FME005S102	FME005S102	S	75 Ohm PCB Socket	5.67	5.10	4.85	4.59
Right Angle							
152-FME008P102	FME008P102	T	50 Ohm, 3 Pin, PCB R/A Plug	8.49	7.64	7.26	6.88
152-FME008S102	FME008S102	U	50 Ohm, 3 Pin, PCB R/A Socket	7.36	6.62	6.29	5.96
152-FME009P102	FME009P102	V	50 Ohm, 5 Pin, PCB R/A Plug	9.29	8.36	7.94	7.52
152-FME009S102	FME009S102	W	50 Ohm, 5 Pin, PCB R/A Socket	9.09	8.18	7.77	7.36

A



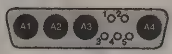
7W2

B



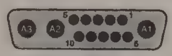
11W1

C



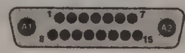
9W4

D



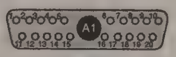
13W3

E



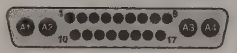
17W2

F



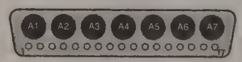
21W1

G



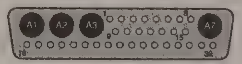
21W4

H



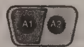
24W7

I



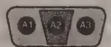
36W4

J



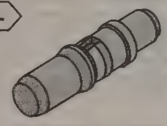
F2W2

K

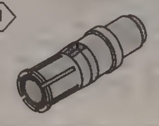


F3W3

L



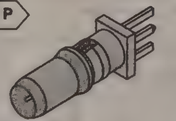
M



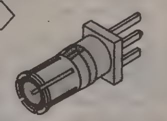
N

O

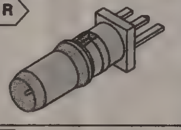
P



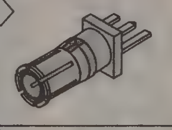
Q



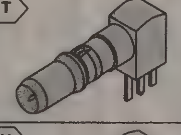
R



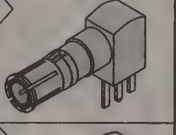
S



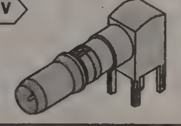
T



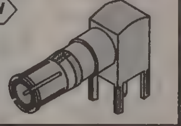
U



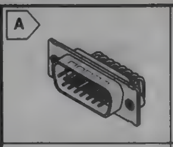
V

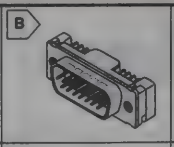


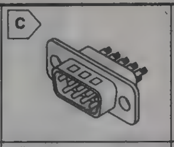
W

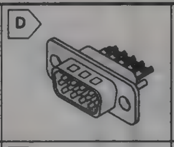


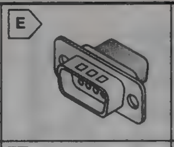
FCT ELECTRONICS D-Sub Connectors and Tools

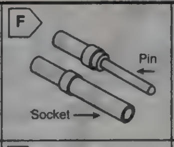

A


B

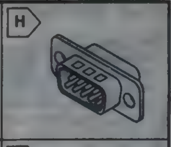

C

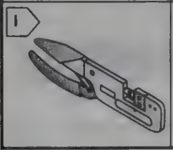

D

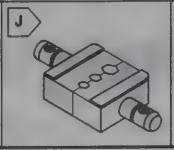

E

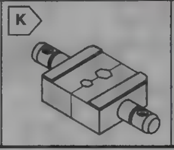

F

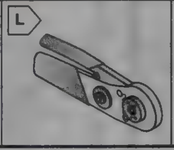
G

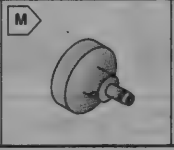

H

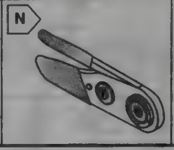

I


J

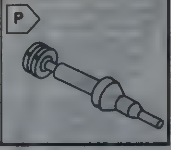

K


L


M


N

O


P

RIGHT ANGLE D-SUB CONNECTORS PCB TERMINATION

- Temperature rating: -55°C to +150°C
- Current rating: 5A
- Shell plating: Tin plated over nickel
- Contact material: Copper alloy
- High temperature insulators allow for RoHS soldering processes
- Insulator: PCT, glass filled (UL94V-0), natural
- Mounting type: Clinch nut 4-40 UNC
- Contact: Right angled PCB termination
- Performance class 1 in accordance with DIN 41652

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Gender	Price Each		
					1	5	10
152-FHT09P5G1	FHT09P5G1	A	9	Plug	5.65	5.14	4.88
152-FHT09S5G1	FHT09S5G1	A	9	Socket	6.55	5.96	5.66
152-FHT15P5G1	FHT15P5G1	A	15	Plug	7.15	6.50	6.18
152-FHT15S5G1	FHT15S5G1	A	15	Socket	8.60	7.82	7.43
152-FHT25P5G1	FHT25P5G1	A	25	Plug	9.32	8.48	8.05
152-FHT25S5G1	FHT25S5G1	A	25	Socket	11.00	10.00	9.50
152-FHT37P5G1	FHT37P5G1	A	37	Plug	12.60	11.45	10.88
152-FHT37S5G1	FHT37S5G1	A	37	Socket	21.17	19.23	18.28

RIGHT ANGLE SMT D-SUB CONNECTORS

- Individually packaged
- Current rating: 5A
- Shell plating: Tin plated over nickel
- Contact material: Copper alloy
- Insulator: LCP, glass filled (UL94V-0), natural
- Mounting type: 4-40 UNC
- Overall height: .287"
- Performance 1 in accordance with DIN 41652

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Gender	Price Each		
					1	5	10
152-FSLT09P107G1E	FSLT09P107G1E	B	9	Plug	6.97	6.34	6.02
152-FSLT09S107G1E	FSLT09S107G1E	B	9	Socket	5.99	5.44	5.17
152-FSLT15P107G1E	FSLT15P107G1E	B	15	Plug	8.66	7.87	7.48
152-FSLT15S107G1E	FSLT15S107G1E	B	15	Socket	7.43	6.76	6.42

STANDARD D-SUB CONNECTORS

- Plug with grounding dimples
- Current rating: 5A
- Shell plating: Tin plated over nickel
- Contact material: Copper alloy
- Insulator: Thermoplastic, glass filled (UL94V-0), white
- Contacts: Solder pot termination
- Performance 1 in accordance with DIN 41652
- RoHS Compliant per FCT Electronics documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Gender	Price Each		
					1	5	10
152-F09P0G1	F09P0G1	C	9	Plug	2.75	2.50	2.38
152-F09S0G1	F09S0G1	C	9	Socket	3.20	2.91	2.77
152-F15P0G1	F15P0G1	C	15	Plug	3.51	3.19	3.03
152-F15S0G1	F15S0G1	C	15	Socket	4.11	3.74	3.55
152-F25P0G1	F25P0G1	C	25	Plug	4.96	4.51	4.28
152-F25S0G1	F25S0G1	C	25	Socket	6.11	5.55	5.28
152-F37P0G1	F37P0G1	C	37	Plug	6.82	6.20	5.89
152-F37S0G1	F37S0G1	C	37	Socket	8.57	7.79	7.41
152-F50P0G1	F50P0G1	C	50	Plug	8.76	7.96	7.57
152-F50S0G1	F50S0G1	C	50	Socket	11.20	10.18	9.67

HIGH DENSITY D-SUB CONNECTORS

- Plug with grounding dimples
- Insulator: Thermoplastic, glass filled (UL94V-0)
- Signal contacts: Copper alloy, gold plated
- Current rating: 3A
- RoHS Compliant per FCT Electronics documentation
- Contacts: Solder pot termination
- Operating temperature: -55°C to +105°C

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Shell Size	No. of Pos.	Gender	Price Each		
						1	5	10
152-CT09-15P	CT09-15P	D	9P	15	Plug	2.97	2.70	2.57
152-CT09-15S	CT09-15S	D	9P	15	Socket	3.09	2.81	2.67
152-CT15-26P	CT15-26P	D	15P	26	Plug	4.21	3.83	3.63
152-CT15-26S	CT15-26S	D	15P	26	Socket	4.40	4.00	3.80
152-CT25-44P	CT25-44P	D	25P	44	Plug	4.86	4.42	4.20
152-CT25-44S	CT25-44S	D	25P	44	Socket	5.29	4.81	4.57
152-CT37-62P	CT37-62P	D	37P	62	Plug	5.82	5.29	5.03
152-CT37-62S	CT37-62S	D	37P	62	Socket	7.16	6.51	6.18
152-CT50-78P	CT50-78P	D	50P	78	Plug	10.93	9.94	9.44
152-CT50-78S	CT50-78S	D	50P	78	Socket	10.93	9.94	9.44

CRIMP & POKE D-SUB CONNECTORS

- Crimp contacts sold separately
- Tin over nickel steel shell
- Current rating: 5A
- Insulator: Black thermoplastic, glass filled (UL94V-0)
- Shell Plating: Tin Plate over Nickel
- RoHS Compliant per FCT Electronics documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Gender	Price Each		
					1	5	10
152-FL09P7-K120	FL09P7-K120	E	9	Plug	1.64	1.49	1.42
152-FL09S7-K121	FL09S7-K121	E	9	Socket	1.57	1.43	1.36
152-FL15P7-K120	FL15P7-K120	E	15	Plug	1.66	1.51	1.43
152-FL15S7-K121	FL15S7-K121	E	15	Socket	1.68	1.53	1.45
152-FL25P7K120	FL25P7-K120	E	25	Plug	1.77	1.61	1.53
152-FL25S7K121	FL25S7-K121	E	25	Socket	1.77	1.61	1.53
152-FL37P7-K120	FL37P7-K120	E	37	Plug	2.24	2.03	1.93
152-FL37S7-K121	FL37S7-K121	E	37	Socket	2.27	2.07	1.96
152-FL50P7-K120	FL50P7-K120	E	50	Plug	2.27	2.07	1.96
152-FL50S7-K121	FL50S7-K121	E	50	Socket	2.33	2.11	2.01

MOUSER STOCK NO.	FCT Part No.	Fig.	Gender	Price Each	
				1	5
Crimp & Poke Contacts - Pack of 100					
152-FK20S-13V0100	FK20S-13V_0100	F	Socket Contact	149.19	135.63
152-FK20P-13V0100	FK20P-13V_0100	F	Plug Contact	73.45	66.77

WATERPROOF D-SUB CONNECTORS

- Protection standard: DIN 40050-IP 67
- Temperature range: -13°F to + 158°F
- Current rating: 5 A
- Insulator: Thermoplastic, glass filled (UL94V-0)
- Plastic watertight frame
- Contact material: Copper alloy

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Gender	Price Each		
					1	5	10
Panel Mount							
152-FWDR09P	FWDR09P	G	9	Plug	12.48	11.35	10.78
152-FWDR09S	FWDR09S	G	9	Socket	13.09	11.90	11.31
152-FWDR15P	FWDR15P	G	15	Plug	22.80	20.73	19.69
152-FWDR15S	FWDR15S	G	15	Socket	22.98	20.89	19.85
152-FWDR25P	FWDR25P	G	25	Plug	24.76	22.51	21.39
152-FWDR25S	FWDR25S	G	25	Socket	24.99	22.72	21.58
Cable Mount							
152-F09P-K700	F09P-K700	H	9	Plug	13.99	12.72	12.09
152-F09S-K700	F09S-K700	H	9	Socket	10.53	9.57	9.09
152-F15P-K700	F15P-K700	H	15	Plug	11.92	10.84	10.30
152-F15S-K700	F15S-K700	H	15	Socket	13.30	12.09	11.48
152-F25P-K700	F25P-K700	H	25	Plug	17.01	15.46	14.69
152-F25S-K700	F25S-K700	H	25	Socket	19.35	17.59	16.71

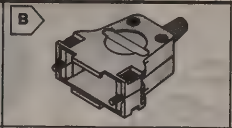
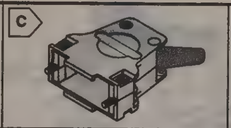
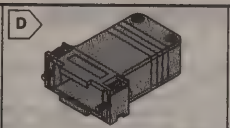
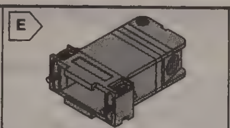
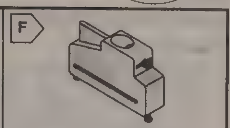
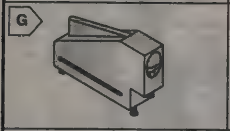
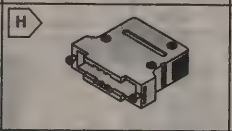
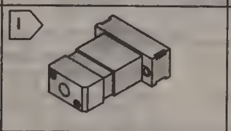
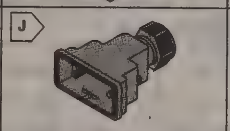
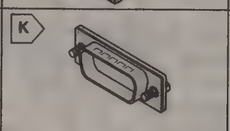
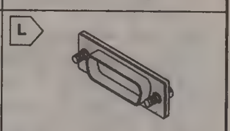
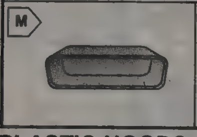
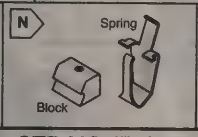
TOOLING FOR MIXED CONTACT CONNECTORS

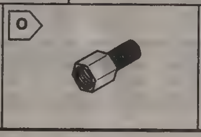
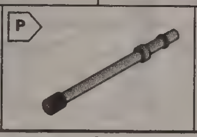
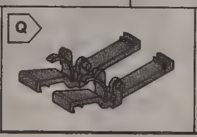
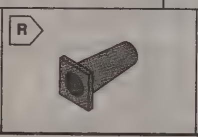
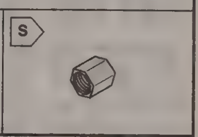
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Contact Type	Price Each
152-M22520/05-01	M22520/5-01	I	Crimp Tool Coax, Outer Conductor	FMS001, FMS002, FMS006, FMX003, FMX005, FMX006	434.81
152-Y1535P	Y1535P	J	Crimp Tool Die, Outer Conductor	FMS001, FMS002, FMX003, FMX005, FMX006	192.78
152-Y138P	Y138P	K	Crimp Tool Die, Outer Conductor	FMS006	271.03
152-M22520/2-01	M22520/2-01	L	Crimp Tool Coax, Inner Conductor	FMS001, FMS002, FMS006	434.81
152-K1003	K1003	M	Positioner, Inner Conductor	FMS001, FMS002, FMS006	110.16
152-M309	M309	N	Crimp Tool, High Power	FMP002, FMP003, FMP004	684.69
152-TP1071-1	TP1071-1	O	Positioner Plug, High Power	FMP002P, FMP003P, FMP004P	181.44
152-TP1072-1	TP1072-1	O	Positioner Socket, High Power	FMP002S, FMP003S, FMP004S	181.44
152-SP994	SP994	O	Positioner Combo, Plug and Socket, High Power	FMP002, FMP003, FMP004	303.35
152-DRK38	DRK38	P	Extraction Tool, Coaxial, High Power, High Voltage	FMV001, FMS001, FMS002, FMS006, FMX003, FMX005, FMX006, FMP002, FMP003, FMP004	105.54

FCT ELECTRONICS D-Sub Hoods and Accessories

A

B

C

D

E

F

G

H

I

J

K

L

M

N


O

P

Q

R

S


PLASTIC HOODS - STRAIGHT CABLE OUTLET

- Easy assembly with snap-in system
- Supplied with indents for positioning when mounting hoods
- Straight cable outlet with strain relief
- Color: black
- RoHS Compliant per FCT Electronics documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Shell Size	Price Each		
					1	5	10
643-FKH1E	FKH1E	A	9	1	18.94	17.21	16.35
152-FKH2E	FKH2E	A	15	2	20.92	19.02	18.07
152-FKH3E	FKH3E	A	25	3	21.82	19.84	18.85
152-FKH4E	FKH4E	A	37	4	25.61	23.28	22.12
152-FKH5E	FKH5E	A	50	5	25.97	23.61	22.43

METAL HOODS WITH LARGE INNER CHAMBER

- Straight or Angled cable outlet with strain relief
- Easy assembly with catch spring system and premounted locking screws
- Suitable for robust use
- RoHS Compliant per FCT Electronics documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

Straight Cable Outlet							
152-FMK1G	FMK1G	B	9	1	5.77	5.25	4.98
152-FMK2G	FMK2G	B	15	2	6.67	6.07	5.76
152-FMK3G	FMK3G	B	25	3	7.38	6.71	6.37
152-FMK4G	FMK4G	B	37	4	9.50	8.64	8.21
152-FMK5G	FMK5G	B	50	5	10.55	9.59	9.11
Angled Cable Outlet							
152-FMK1	FMK1	C	9	1	5.14	4.67	4.44
152-FMK2	FMK2	C	15	2	6.58	5.98	5.69
152-FMK3	FMK3	C	25	3	7.66	6.97	6.62
152-FMK4	FMK4	C	37	4	9.50	8.64	8.21
152-FMK5	FMK5	C	50	5	9.90	9.00	8.55

PLASTIC HOODS WITH LARGE INNER CHAMBER

- Straight or Angled cable outlet with strain relief
- Easy assembly with catch spring system and premounted locking screws
- Color: Black
- RoHS Compliant per FCT Electronics documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

Straight Cable Outlet							
152-FKC1GE	FKC1GE	D	9	1	3.28	2.98	2.83
152-FKC2GE	FKC2GE	D	15	2	3.37	3.07	2.91
152-FKC3GE	FKC3GE	D	25	3	3.70	3.36	3.19
152-FKC4GE	FKC4GE	D	37	4	3.88	3.52	3.35
152-FKC5GE	FKC5GE	D	50	5	4.16	3.78	3.59
Angled Cable Outlet							
152-FKC1E	FKC1E	E	9	1	3.37	3.07	2.91
152-FKC2E	FKC2E	E	15	2	3.49	3.18	3.02
152-FKC3E	FKC3E	E	25	3	3.66	3.33	3.16
152-FKC4E	FKC4E	E	37	4	3.88	3.52	3.35
152-FKC5E	FKC5E	E	50	5	4.38	3.98	3.78

ONE PIECE PLASTIC HOODS

- Straight or Right Angle cable outlet with strain relief
- Color: Gray

For quantities of 25 and up, call for quote.

Straight Cable Outlet							
152-6009	F-PHG-1E	F	9	1	1.86	1.69	1.60
152-6015	F-PHG-2E	F	15	2	1.86	1.69	1.60
152-6025	F-PHG-3E	F	25	3	1.86	1.69	1.60
152-6037	F-PHG-4E	F	37	4	2.03	1.85	1.76
152-6050	F-PHG-5E	F	50	5	2.29	2.08	1.98
Right Angle Cable Outlet							
152-6109	F-PHR-1E	G	9	1	1.86	1.69	1.60
152-6115	F-PHR-2E	G	15	2	1.86	1.69	1.60
152-6125	F-PHR-3E	G	25	3	1.88	1.71	1.62
152-6137	F-PHR-4E	G	37	4	2.85	2.59	2.46
152-6150	F-PHR-5E	G	50	5	2.34	2.13	2.02

PLASTIC HOODS WITH LOCKABLE SCREWS

- Alternatively straight or/and right angled cable outlet with cable clamp

For quantities of 25 and up, call for quote.

Unshielded, Gray							
152-6209	FPHGR-1E	H	9	1	2.24	2.03	1.93
152-6215	FPHGR-2E	H	15	2	2.80	2.54	2.42
152-6225	FPHGR-3E	H	25	3	2.85	2.59	2.46
152-6250	FPHGR-5E	H	50	5	4.58	4.16	3.95

PLASTIC HOODS WITH LOCKABLE SCREWS (CONT.)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	No. of Pos.	Shell Size	Price Each		
					1	5	10
Shielded, Metallized Silver							
152-4009	FPHGR-1AE	H	9	1	3.56	3.24	3.07
152-4015	FPHGR-2AE	H	15	2	4.32	3.93	3.73
152-4025	FPHGR-3AE	H	25	3	4.32	3.93	3.73
152-4037	FPHGR-4AE	H	37	4	5.59	5.08	4.83
152-4050	FPHGR-5AE	H	50	5	5.29	4.81	4.57

WATERPROOF (IP67) HOODS FOR K700 CONNECTORS

- Waterproof according to IP67 in combination with D-Sub connectors with modification no. K700
- Straight cable outlet with strain relief

For quantities of 25 and up, call for quote.

Non-Shielded, Black							
152-FWH1E	FWH1E	I	9	1	9.38	8.53	8.10
152-FWH2E	FWH2E	I	15	2	11.75	10.68	10.14
152-FWH3E	FWH3E	I	25	3	14.21	12.92	12.27
Shielded, Metalized Silver							
152-FWH1AE	FWH1AE	I	9	1	15.43	14.03	13.33
152-FWH2AE	FWH2AE	I	15	2	17.90	16.27	15.46
152-FWH3AE	FWH3AE	I	25	3	20.31	18.47	17.54

WATERPROOF HOODS FOR NON-WATERPROOF CONNECTORS

- Waterproof according to IP67 when assembled
- Straight cable outlet with strain relief
- No special tools required
- Supplied with indents for positioning when mounting hoods
- Material: Black, ABS (UL94V-0)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Shell Size	Mount	Price Each		
					1	5	10
152-FWA1GE	FWA1GE	J	1	Rear	15.33	13.94	13.24
152-FWA2GE	FWA2GE	J	2	Rear	16.78	15.25	14.49
152-FWAF1GE	FWAF1GE	J	1	Front	15.33	13.94	13.24
152-FWAF2GE	FWAF2GE	J	2	Front	16.78	15.25	14.49

SHIELDED DUST CAPS

- Simple mounting-push on and screw in place
- Meets protection level IP50 requirements, DIN 40050
- Tin plated brass

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Shell Size	Gender	Price Each		
					1	5	10
152-FSSK1P	FSSK1P	K	1	Plug	9.23	8.39	7.97
152-FSSK2P	FSSK2P	K	2	Plug	9.74	8.85	8.41
152-FSSK3P	FSSK3P	K	3	Plug	10.26	9.32	8.86
152-FSSK1S	FSSK1S	L	1	Socket	9.23	8.39	7.97
152-FSSK2S	FSSK2S	L	2	Socket	9.74	8.85	8.41
152-FSSK3S	FSSK3S	L	3	Socket	10.26	9.32	8.86

PLASTIC DUST CAPS

- Meets protection level IP50 requirements, DIN 40050

For quantities of 25 and up, call for quote.

152-1042-1P	F1042-1P	M	1	Plug	.56	.56	.56
152-1042-1S	F1042-1S	M	1	Socket	.56	.56	.56
152-1042-3P	F1042-3P	M	3	Plug	.38	.38	.38
152-1042-3S	F1042-3S	M	3	Socket	.38	.38	.38

HARDWARE

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCT Part No.	Fig.	Description	Price Each		
				1	5	10
152-0003	FFB-1/5	N	Locking clamp spring	.40	.37	.35
152-0004	F-GK1/5	N	Locking clamp block	.63	.57	.54
1520005	F-GSCH1/5-K835	O	Screw lock	.86	.78	.74
1520006	FRS1/5-K190	P	Thumbscrew	.95	.86	.82
152-FRH1/5P	FRH1/5P	Q	Locking hook for FMK & FKH	.55	.50	.47
643-FKT1-2	FKT1-2	R	Rubber bushing for FKC & FKH shell size 1-2	.34	.31	.30
152-FKT3-4	FKT3-4	R	Rubber bushing for FKC & FKH shell size 3-4	.40	.37	.35
152-FKT5	FKT5	R	Rubber bushing for FKC & FKH shell size 5	.48	.43	.41
152-F1066	F1066	S	Threaded spacer	.41	.37	.35

HARTING D-Sub Connectors

RIGHT ANGLE SMT BOARDMOUNT D-SUB CONNECTORS

NEW PRODUCT

Specifications:

- Contact material: Phosphor Bronze
- Contact plating: Terminating side: Gold flash; Mating side: Selective gold plating per performance level
- Flammability: UL 94 V-0 tested in accordance with IEC 60807-2
- RoHS Compliant per HARTING documentation
- UL recognized

Features:

- Front shell: Nickel-plated steel
- Housing: LCP
- Housing color: Black
- Tin-plated Zamac (die cast) ground brackets
- Nickel plated brass female screw locks
- PL3 = 50 mating cycles
- PL2 = up to 200 mating cycles

RoHS Compliant

Right Angle SMT with Die Cast Grounding and 4-40 UNC Rear Nut

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	Price Each			
						1	5	10	25
617-09-55-166-6812	09 55 166 6812	A	9	Plug	PL2	4.50	4.09	3.86	3.63
617-09-55-156-6612	09 55 156 6612	B	9	Receptacle	PL2	4.87	4.38	4.14	3.89
617-09-55-156-7612	09 55 156 7612	B	9	Receptacle	PL3	4.68	4.21	3.98	3.74

Right Angle SMT with Die Cast Grounding and 4-40 UNC Female Screwlock

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	1	5	10	25
617-09-55-166-6813	09 55 166 6813	C	9	Plug	PL2	4.89	4.40	4.16	3.91
617-09-55-156-6613	09 55 156 6613	D	9	Receptacle	PL2	5.20	4.70	4.44	4.18
617-09-55-156-7613	09 55 156 7613	D	9	Receptacle	PL3	5.03	4.53	4.28	4.02

HIGH DENSITY D-SUB CONNECTORS

Specifications:

- Plug and Receptacle versions 15, 26, 44, 62, 78 pos
- PCB Terminations (straight and right angle)
- Crimp Terminations
- Working Current: 2A max
- 4 - 40 UNC hardware
- Temperature Range: - 55°C to +105°C
- Performance level 3 ≥50 mating cycles according to DIN41652

Features:

- Metal Shell - tinned steel
- Right Angle versions include board lock
- Straight versions w/without board lock
- Crimp Contacts AWG 26-24
- UL recognized
- Increased density up to 70% vs standard D Sub

Crimp - Through Hole

- Housing only, order pin or socket contacts separately.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	Price Each			
						1	25	50	100
617-09-56-100-5601	09 56 100 5601	E	15	Plug	Through Hole	1.22	1.10	1.04	.99
617-09-56-100-4701	09 56 100 4701	F	15	Receptacle	Through Hole	1.14	1.04	.98	.92
617-09-56-200-5601	09 56 200 5601	E	26	Plug	Through Hole	2.16	1.95	1.85	1.73
617-09-56-200-4701	09 56 200 4701	F	26	Receptacle	Through Hole	2.44	2.20	2.08	1.95
617-09-56-300-5601	09 56 300 5601	E	44	Plug	Through Hole	4.88	4.39	4.15	3.90
617-09-56-300-4701	09 56 300 4701	F	44	Receptacle	Through Hole	6.78	6.10	5.77	5.43
617-09-56-400-5601	09 56 400 5601	E	62	Plug	Through Hole	7.86	7.08	6.69	6.29
617-09-56-400-4701	09 56 400 4701	F	62	Receptacle	Through Hole	8.00	7.21	6.80	6.41
617-09-56-500-5601	09 56 500 5601	E	78	Plug	Through Hole	8.40	7.56	7.14	6.72
617-09-56-500-4701	09 56 500 4701	F	78	Receptacle	Through Hole	9.78	8.80	8.32	7.83

Contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each			
			1	50	100	500
617-09-56-000-8177	09 56 000 8177	Male contact for crimp type D-sub plugs	.18	.17	.16	.14
617-09-56-000-8277	09 56 000 8277	Female contact for crimp type D-sub receptacles	.21	.20	.19	.18

Crimp Tool

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each	
			1	5
617-09-99-000-0596	09 99 000 0596	Crimp tool for crimp type D-sub connectors	396.67	343.78

Right Angle PCB - 4-40 UNC Thread & Board Lock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	Price Each			
						1	25	50	100
617-09-56-162-7812	09 56 162 7812	G	15	Plug	4-40 UNC Thread & Board Lock	3.28	2.95	2.79	2.63
617-09-56-152-7612	09 56 152 7612	H	15	Receptacle	4-40 UNC Thread & Board Lock	2.42	2.19	2.06	1.94
617-09-56-262-7812	09 56 262 7812	G	26	Plug	4-40 UNC Thread & Board Lock	5.08	4.58	4.33	4.07
617-09-56-252-7612	09 56 252 7612	H	26	Receptacle	4-40 UNC Thread & Board Lock	4.10	3.69	3.49	3.28
617-09-56-362-7812	09 56 362 7812	G	44	Plug	4-40 UNC Thread & Board Lock	9.72	8.75	8.27	7.78
617-09-56-352-7612	09 56 352 7612	H	44	Receptacle	4-40 UNC Thread & Board Lock	6.44	5.80	5.48	5.16
617-09-56-462-7812	09 56 462 7812	G	62	Plug	4-40 UNC Thread & Board Lock	11.16	10.04	9.49	8.93
617-09-56-452-7612	09 56 452 7612	H	62	Receptacle	4-40 UNC Thread & Board Lock	8.70	7.84	7.40	6.97

Straight PCB - Through Hole

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	1	25	50	100
617-09-56-161-7700	09 56 161 7700	I	15	Plug	Through Hole	1.76	1.59	1.51	1.41
617-09-56-151-7500	09 56 151 7500	J	15	Receptacle	Through Hole	2.30	2.08	1.96	1.85
617-09-56-261-7700	09 56 261 7700	I	26	Plug	Through Hole	3.40	3.06	2.90	2.72
617-09-56-251-7500	09 56 251 7500	J	26	Receptacle	Through Hole	4.26	3.84	3.63	3.41
617-09-56-361-7700	09 56 361 7700	I	44	Plug	Through Hole	4.96	4.47	4.23	3.97
617-09-56-351-7500	09 56 351 7500	J	44	Receptacle	Through Hole	6.12	5.51	5.21	4.90
617-09-56-461-7700	09 56 461 7700	I	62	Plug	Through Hole	7.30	6.58	6.21	5.85
617-09-56-451-7500	09 56 451 7500	J	62	Receptacle	Through Hole	8.94	8.05	7.60	7.15
617-09-56-561-7700	09 56 561 7700	I	78	Plug	Through Hole	9.76	8.78	8.30	7.81
617-09-56-551-7500	09 56 551 7500	J	78	Receptacle	Through Hole	11.98	10.78	10.19	9.58

Straight PCB - 4-40 UNC Thread & Board Lock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Description	1	25	50	100
617-09-56-161-7712	09 56 161 7712	K	15	Plug	4-40 UNC Thread & Board Lock	2.22	2.00	1.89	1.78
617-09-56-151-7512	09 56 151 7512	L	15	Receptacle	4-40 UNC Thread & Board Lock	2.74	2.47	2.33	2.19
617-09-56-261-7712	09 56 261 7712	K	26	Plug	4-40 UNC Thread & Board Lock	3.86	3.48	3.29	3.09
617-09-56-251-7512	09 56 251 7512	L	26	Receptacle	4-40 UNC Thread & Board Lock	4.72	4.25	4.02	3.78
617-09-56-361-7712	09 56 361 7712	K	44	Plug	4-40 UNC Thread & Board Lock	5.42	4.88	4.62	4.34
617-09-56-351-7512	09 56 351 7512	L	44	Receptacle	4-40 UNC Thread & Board Lock	6.56	5.91	5.58	5.26
617-09-56-461-7712	09 56 461 7712	K	62	Plug	4-40 UNC Thread & Board Lock	7.76	6.99	6.61	6.21
617-09-56-451-7512	09 56 451 7512	L	62	Receptacle	4-40 UNC Thread & Board Lock	9.40	8.47	7.99	7.53
617-09-56-561-7712	09 56 561 7712	K	78	Plug	4-40 UNC Thread & Board Lock	10.22	9.21	8.70	8.18
617-09-56-551-7512	09 56 551 7512	L	78	Receptacle	4-40 UNC Thread & Board Lock	12.42	11.19	10.56	9.94

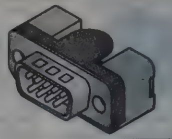
Screwlocks

- Order 2 for each connector

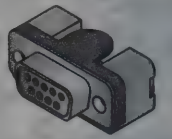
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each			
			1	50	100	500
617-09-67-000-9972	09 67 000 9972	Screwlock for right angle version	.26	.24	.23	.22
617-09-66-000-9972	09 66 000 9972	Screwlock for straight version	.26	.24	.23	.22

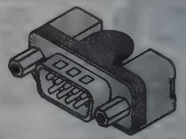
A



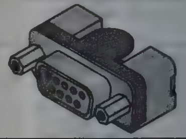
B



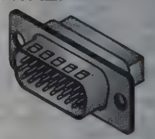
C



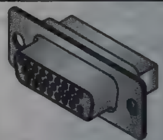
D



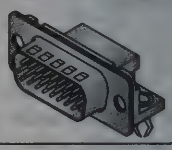
E



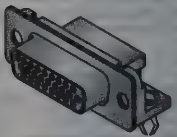
F



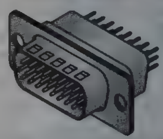
G



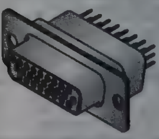
H



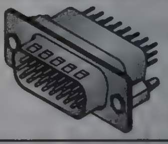
I



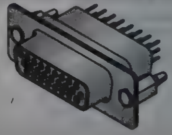
J



K



L



HARTING Filtered D-Sub Connectors

FILTERED D-SUB CONNECTORS

Specifications:
- Plug and Receptacle versions 9, 15, 25, 37 pos
- PCB Terminations (straight and right angle)
- Solder bucket Terminations
- Working Current: 7.5A max
- 4 - 40 UNC hardware
- Temperature Range: - 55°C to +125°C
- Max Temperature: +230°C (for 60 seconds) during reflow soldering
- Meets & complies with FCC-part 15, IEC 1000 and EN 5502 Specifications
- Selective gold plating over nickel = 200 mating cycles

Features:
- Unique multi-layer PCB design, utilizing surface mount capacitors within standard size D shell
- Directly interchangeable with existing D Sub connector - same standard footprint
- Type C Filter, 1,000 pF
- UL recognized

Straight PCB - Through Hole

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-122-7230	09 64 122 7230	A	9	Plug	10.48	9.44	8.92	8.39
617-09-64-112-7230	09 64 112 7230	B	9	Receptacle	11.02	9.92	9.37	8.82
617-09-64-222-7230	09 64 222 7230	A	15	Plug	14.90	13.42	12.67	11.93
617-09-64-212-7230	09 64 212 7230	B	15	Receptacle	15.66	14.10	13.32	12.53
617-09-64-322-7230	09 64 322 7230	A	25	Plug	21.08	18.98	17.92	16.87
617-09-64-312-7230	09 64 312 7230	B	25	Receptacle	22.76	20.49	19.36	18.21
617-09-64-422-7230	09 64 422 7230	A	37	Plug	27.00	24.30	22.96	21.60
617-09-64-412-7230	09 64 412 7230	B	37	Receptacle	29.38	26.45	24.98	23.51

Straight PCB - Clinch Nut 4-40

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-122-7237	09 64 122 7237	C	9	Plug	11.36	10.23	9.66	9.09
617-09-64-112-7237	09 64 112 7237	D	9	Receptacle	11.90	10.71	10.12	9.53
617-09-64-222-7237	09 64 222 7237	C	15	Plug	15.76	14.19	13.40	12.61
617-09-64-212-7237	09 64 212 7237	D	15	Receptacle	16.54	14.89	14.06	13.23
617-09-64-322-7237	09 64 322 7237	C	25	Plug	21.94	19.75	18.65	17.55
617-09-64-312-7237	09 64 312 7237	D	25	Receptacle	23.62	21.26	20.08	18.90
617-09-64-422-7237	09 64 422 7237	C	37	Plug	27.86	25.08	23.68	22.30
617-09-64-412-7237	09 64 412 7237	D	37	Receptacle	30.24	27.22	25.70	24.19

Straight PCB - Board Clip + Clinch Nut 4-40

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-122-7235	09 64 122 7235	E	9	Plug	11.96	10.77	10.17	9.57
617-09-64-112-7235	09 64 112 7235	F	9	Receptacle	12.50	11.25	10.63	10.00
617-09-64-222-7235	09 64 222 7235	E	15	Plug	16.86	15.18	14.34	13.49
617-09-64-212-7235	09 64 212 7235	F	15	Receptacle	17.14	15.43	14.58	13.72
617-09-64-322-7235	09 64 322 7235	E	25	Plug	22.56	20.31	19.18	18.05
617-09-64-312-7235	09 64 312 7235	F	25	Receptacle	24.22	21.81	20.59	19.38
617-09-64-422-7235	09 64 422 7235	E	37	Plug	28.46	25.61	24.20	22.77
617-09-64-412-7235	09 64 412 7235	F	37	Receptacle	30.84	27.76	26.22	24.68

Solder Cup - Through Hole

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-121-7230	09 64 121 7230	G	9	Plug	10.46	9.42	8.90	8.37
617-09-64-111-7230	09 64 111 7230	H	9	Receptacle	10.92	9.83	9.28	8.74
617-09-64-221-7230	09 64 221 7230	G	15	Plug	14.88	13.40	12.65	11.91
617-09-64-211-7230	09 64 211 7230	H	15	Receptacle	15.50	13.96	13.18	12.40
617-09-64-321-7230	09 64 321 7230	G	25	Plug	21.04	18.94	17.89	16.84
617-09-64-311-7230	09 64 311 7230	H	25	Receptacle	22.48	20.23	19.11	17.98
617-09-64-421-7230	09 64 421 7230	G	37	Plug	25.92	23.33	22.04	20.74
617-09-64-411-7230	09 64 411 7230	H	37	Receptacle	28.98	26.08	24.63	23.18

Solder Cup - Clinch Nut 4-40

For quantities of 50 and up, call for quote.

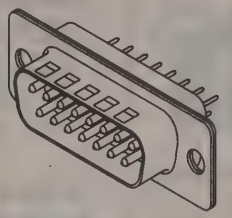
MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-121-7237	09 64 121 7237	I	9	Plug	11.34	10.21	9.64	9.07
617-09-64-111-7237	09 64 111 7237	J	9	Receptacle	11.80	10.62	10.04	9.45
617-09-64-221-7237	09 64 221 7237	I	15	Plug	15.76	14.18	13.40	12.61
617-09-64-211-7237	09 64 211 7237	J	15	Receptacle	16.38	14.74	13.92	13.10
617-09-64-321-7237	09 64 321 7237	I	25	Plug	21.92	19.74	18.63	17.54
617-09-64-311-7237	09 64 311 7237	J	25	Receptacle	23.36	21.03	19.86	18.70
617-09-64-421-7237	09 64 421 7237	I	37	Plug	26.80	24.12	22.79	21.44
617-09-64-411-7237	09 64 411 7237	J	37	Receptacle	29.84	26.86	25.37	23.88

Right Angle - Board Lock + Clinch Nut 4-40

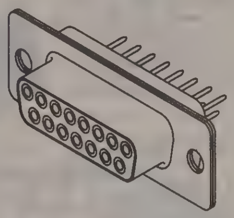
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Contacts	Type	Price Each			
					1	5	10	25
617-09-64-124-7232	09 64 124 7232	K	9	Plug	13.64	12.28	11.59	10.91
617-09-64-114-7232	09 64 114 7232	L	9	Receptacle	13.90	12.51	11.82	11.13
617-09-64-224-7232	09 64 224 7232	K	15	Plug	18.68	16.82	15.89	14.95
617-09-64-214-7232	09 64 214 7232	L	15	Receptacle	18.94	17.05	16.11	15.16
617-09-64-324-7232	09 64 324 7232	K	25	Plug	25.88	23.30	22.01	20.71
617-09-64-314-7232	09 64 314 7232	L	25	Receptacle	26.68	24.01	22.68	21.34
617-09-64-424-7232	09 64 424 7232	K	37	Plug	33.02	29.72	28.08	26.42
617-09-64-414-7232	09 64 414 7232	L	37	Receptacle	34.08	30.68	28.98	27.27

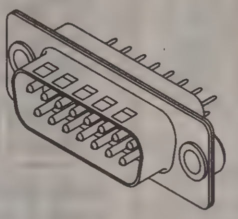
A



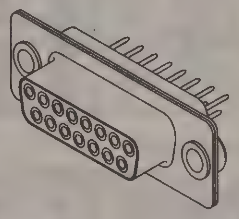
B



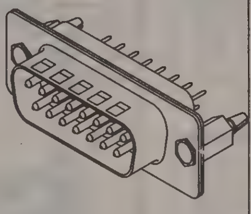
C



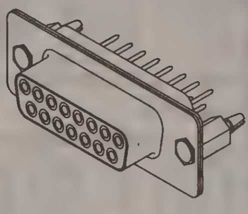
D



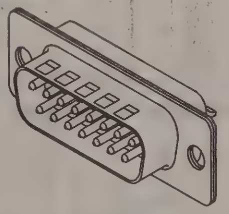
E



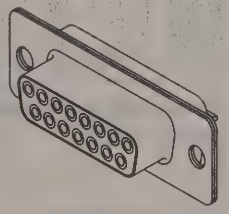
F



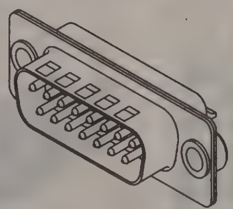
G



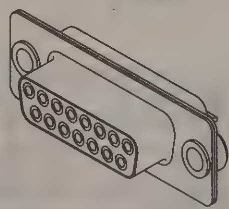
H



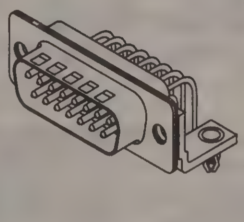
I



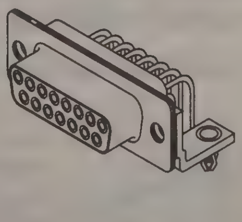
J



K



L



KOBICONN D-Sub Connectors

KOBICONN

D-SUB CONNECTORS

Specifications:

- Insulation: thermoplastic
- Current rating: 5A per contact max.
- Printed circuit connector: ø.025″
- Wire gauge: 20AWG max.

Preloaded
Contacts

Right Angle PCB

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	No. of Cond.	Price Each		
		1	10	100
Plugs				
152-5609	9	3.58	3.42	3.11
152-5615	15	5.55	4.91	4.47
152-5625	25	8.32	7.36	6.69
152-5637	37	13.71	10.55	9.59
Receptacles				
152-5709	9	3.89	3.73	3.38
152-5715	15	6.55	5.34	4.85
152-5725	25	10.55	8.12	7.38
152-5737	37	15.25	11.73	10.67

Solder Cup

For quantities of 500 and up, call for quote.

Plugs				
152-5009	9	2.08	1.60	1.45
152-5015	15	2.96	2.28	2.05
152-5025	25	4.32	3.32	3.02
152-5037	37	5.39	4.15	3.77
152-5050	50	8.47	6.52	5.93
Receptacles				
152-5109	9	3.08	2.37	2.16
152-5115	15	4.70	3.62	3.29
152-5125	25	7.09	5.45	4.96
152-5137	37	10.02	7.70	7.00
152-5150	50	14.48	11.14	10.13

Straight PCB

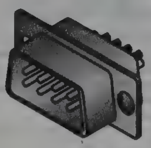
For quantities of 500 and up, call for quote.

Plugs				
152-5209	9	2.08	1.79	1.69
152-5215	15	2.62	2.01	1.83
152-5225	25	4.31	3.32	3.02
152-5237	37	5.62	4.33	3.93
152-5250	50	8.78	6.76	6.14
Receptacles				
152-5309	9	3.08	2.37	2.16
152-5315	15	4.93	3.79	3.45
152-5325	25	7.17	5.51	5.01
152-5337	37	10.55	8.12	7.38
152-5350	50	14.56	11.20	10.18

D-SUB CONNECTORS

Specifications:

- Current rating: 5A per contact
- Contact resistance: initial: <5mΩ
- Insulation resistance: >10MΩ
- Temperature rating: -55°C to +125°C
- Shell: steel with passivation over zinc
- Contacts: gold plated over nickel



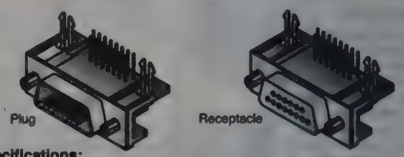
RoHS Compliant

Solder Cup

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Cond.	Price Each			
		1	10	100	500
Plugs					
156-1209-E	9	.61	.47	.43	.39
156-1215-E	15	.65	.59	.54	.49
156-1225-E	25	.99	.76	.69	.63
156-1237-E	37	1.58	1.32	1.20	1.09
Receptacles					
156-1309-E	9	.66	.51	.46	.42
156-1315-E	15	.85	.65	.59	.54
156-1325-E	25	1.00	.77	.70	.64
156-1337-E	37	1.87	1.56	1.42	1.29

RIGHT ANGLE PCB D-SUB CONNECTORS



Specifications:

- Operating temperature: -55°C to 105°C
- Housing: glass filled polyester
- Contact female: phosphor bronze/gold plated
- Current rating: 1A
- Contact male: brass/gold plated

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Price Each			
		1	10	100	500
Plugs					
152-3309	9	1.09	.90	.82	.75
152-3315	15	1.26	.98	.89	.81
152-3325	25	1.76	1.36	1.23	1.12
152-3337	37	2.31	1.78	1.62	1.47
Receptacles					
152-3409	9	1.09	.90	.82	.75
152-3415	15	1.39	1.07	.97	.89
152-3425	25	1.54	1.19	1.08	.98
152-3437	37	2.43	2.03	1.84	1.68

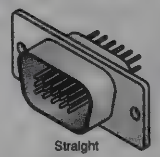
HIGH DENSITY STRAIGHT AND RIGHT ANGLE D-SUB CONNECTORS

Material:

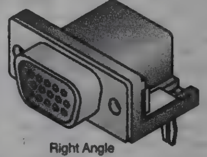
- Insulator: glass filled PBT
- Shell: tin plated steel
- Contact male: brass
  female: phosphor bronze
- Contact plating: gold over nickel
- Gold Flush 0.8-1.0μ

Specifications:

- Current rating: 5A per contact
- Breakdown voltage: 1000V
- Temperature rating: -55°C to +105°C



Straight



Right Angle

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Pins	Shell Size	Termination Type	Price Each			
				1	10	100	500
Plugs							
156-1815-E	15	DB9	Solder Cup	1.80	1.49	1.34	1.20
*156-2215	15	DB9	Crimp	1.35	1.12	1.01	.90
156-1826-E	26	DB15	Solder Cup	3.95	3.29	2.95	2.77
Receptacles							
156-1915-E	15	DB9	Solder Cup	1.80	1.49	1.34	1.20
*156-2115	15	DB9	Crimp	1.35	1.12	1.01	.90
156-1926-E	26	DB15	Solder Cup	3.95	3.29	2.95	2.77
Right Angle Plug and Receptacle (Pins included)							
156-3215-E	15	DB9	Plug	1.80	1.49	1.34	1.20
156-3315-E	15	DB9	Receptacle	1.80	1.49	1.34	1.20
156-4215-E	26	DB15	Plug	2.47	2.06	1.87	1.69

* Housing only, order pin or socket contacts separately

Contacts By the Terminal

- Wires: 26 AWG to 30 AWG

MOUSER STOCK NO.	Type	Price Each			
		1	10	100	500
156-2000-E	Male	.10	.05	.049	.045
156-2100-E	Female	.10	.05	.049	.045

RIGHT ANGLE PCB RFI/EMI FILTERED D-SUB CONNECTORS

Material:

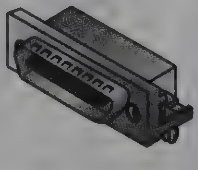
- Insulator: PBT +30% glass fiber
- Contact male: brass/gold over nickel plating
- Contact female: phosphor bronze/gold over nickel plating
- Shell: tin plated steel

Electrical:

- Current rating: 5A
- Withstand voltage: 1000V for 1 minute
- Insulation resistance: 1000MΩ
- Temperature range: -40°C to +105°C

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	No. of Contacts	Price Each			
		1	10	100	500
Plugs					
152-3509	9	2.42	2.20	2.00	1.82
152-3515	15	2.90	2.64	2.40	2.18
152-3525	25	3.60	3.27	2.97	2.70
Receptacles					
152-3609	9	2.42	2.20	2.00	1.82
152-3615	15	2.90	2.64	2.40	2.18
152-3625	25	4.71	3.63	3.30	3.00



D-SUBMINIATURE CONNECTOR HOUSINGS

Removable crimp type contacts. Can be loaded with only the number of contacts needed.

For quantities of 1000 and up, call for quote.

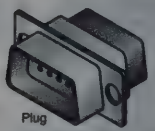
MOUSER STOCK NO.	No. of Contacts	Price Each			
		1	10	100	500
Plug (Contacts not included)					
156-1410-E	9	.50	.33	.30	.28
156-1416-E	15	.55	.36	.33	.30
156-1426-E	25	1.59	1.06	.96	.88
Receptacles (Contacts not included)					
156-1409-E	9	.50	.33	.30	.28
156-1415-E	15	.55	.36	.33	.30
156-1425-E	25	.62	.41	.37	.34

Crimp Contacts

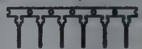
- Optional

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Type	Price Each			
		1	100	500	1000
156-1402-E	Male (pin)	.10	.08	.07	.06
156-1401-E	Fem(socket)	.10	.08	.07	.06

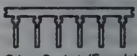


Plug



Crimp Pin (Male)

Receptacle



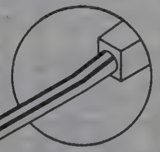
Crimp Socket (Female)

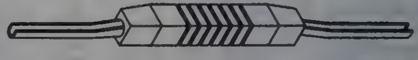
CONTACT INSERTION / EXTRACTION TOOL

A tool for inserting and/or extracting "crimp type" contacts used with crimp type D-subminiature connector housings.

For quantities of 1000 and up, call for quote.

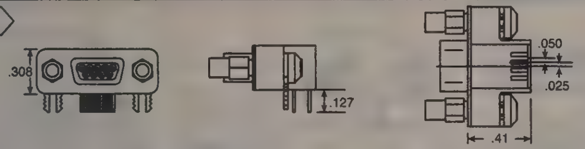
MOUSER STOCK NO.	Description	Price Each			
		1	10	100	500
156-1400	For standard crimp type contacts	4.79	4.35	3.96	3.60
156-1900	For high density crimp type contacts	4.79	4.35	3.96	3.60



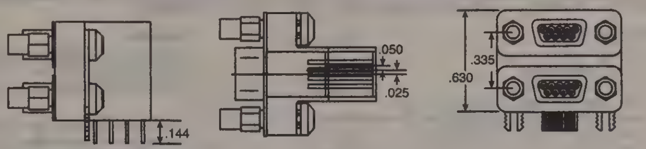


1.27mm Micro-D and D-Sub Connectors and Hoods

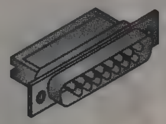
A



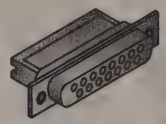
B



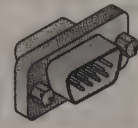
C



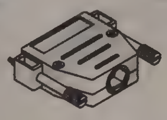
D



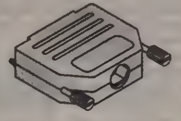
E



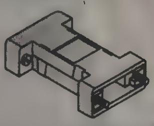
F



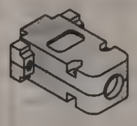
G



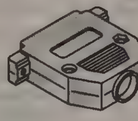
H



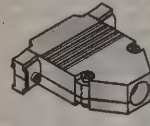
I



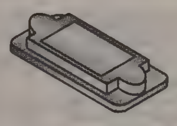
J



K



L



molex 1.27MM COMMERCIAL MICRO-D CONNECTORS

one company > a world of innovation

Commercial Micro-D Plug, Right Angle

RoHS Compliant

Economical solution for commercial applications requiring the density of a micro-miniature connector. Rugged commercial design with a metal interface and grounding tabs for improved mechanical and electrical shield conditions.

- Through hole
- Housing: Shell - nickel-plated 1008LC steel; Insulator - LCP, UL94V-0
- Contact: Pin - gold-plated beryllium copper
- Color: Black
- Current: 3.0A
- Voltage: 350V
- Jackpost: Stainless steel
- Temperature: -55 to +125°C
- PCB Mount

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Positions	Price Each		
				1	10	25
538-83611-9006	83611-9006	A	9	7.75	6.96	6.57
538-83612-9020	83612-9020	A	15	9.00	8.08	7.62
538-83614-9012	83614-9012	A	25	10.00	9.00	8.50
*538-83619-9003	83619-9003	B	18	23.65	22.46	21.34

*Dual Stacked; Housing : PPS Polyphenylene Sulfide; mates with 9 position Receptical Kit

Commercial Micro D Cable Receptacle Kits

Economical solution for commercial applications requiring the density of a micro-miniature connector. "Crimp and poke" configuration designed for hand or semi-automatic crimping. Order contacts separately.

- Color: Black
- Housing: Shell - Nickel-plated 1008LC Steel
  Insulator - LCP, UL94V-0
- Voltage: 350V
- Current: 3.0A
- AWG: 26, 28
- Boot: Santoprene
- Jackscrew: Stainless steel

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Positions	Price Each		
				1	10	25
538-83421-9014	83421-9014	- -	9	7.85	6.97	6.41
538-83422-9014	83422-9014	- -	15	11.16	10.20	9.40
538-83424-9014	83424-9014	- -	25	8.50	8.07	7.67

Contact

- Use with Kits

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Price Each		
		1	100	500
538-83000-0083	83000-0083	.38	.31	.27

Crimp Tool for Contact

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Price Each	
		1	5
538-63811-4800	63811-4800	276.00	257.00

KOBICONN IDC FLAT CABLE D-SUB CONNECTORS

Phosphor bronze contacts with gold plate over nickel, insulation displacement D-Subs provide added speed and convenience of mass termination.

Features:
- Metal shell
- Standard .050 pitch
- Insulator color: black

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Contacts	Type	Price Each		
				1	10	100
156-2609	C	9	Plug	2.17	1.45	1.32
156-2615	C	15	Plug	2.44	1.63	1.49
156-2625	C	25	Plug	2.61	1.74	1.58
156-2637	C	37	Plug	4.81	3.70	3.36
156-2709	D	9	Receptacle	2.17	1.45	1.32
156-2715	D	15	Receptacle	2.45	1.63	1.48
156-2725	D	25	Receptacle	2.61	1.74	1.58
156-2737	D	37	Receptacle	4.81	3.70	3.36

KOBICONN COMPACT SIZE GENDER CHANGERS

- Brass contacts gold plated over nickel
- 3 Amp
- 4-40 Hex Screw
- Temperature range: -55 to +105°C

For quantities of 500 and up, call for quote.

157-0300	E	9	Male/male	3.06	2.48	2.25
157-0302	E	9	Female/female	3.10	2.39	2.17
157-0304	E	15	Male/male	3.09	2.81	2.55
157-0306	E	15	Female/female	3.09	2.81	2.55
157-0308	E	25	Male/male	3.20	2.92	2.65
157-0310	E	25	Female/female	3.20	2.92	2.65

KOBICONN D-SUB HOODS

2 Piece Hoods with Screw Locks

- Plastic, Black ABS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Description	Price Each		
				1	10	100
152-1309	F	DB9	2 pc plastic hood w/lock screws	2.51	2.09	1.90
152-1315	F	DB15	2 pc plastic hood w/lock screws	2.59	2.16	1.96
152-1325	F	DB25	2 pc plastic hood w/lock screws	2.63	2.19	1.99
152-1337	F	DB37	2 pc plastic hood w/lock screws	3.54	2.73	2.48
152-1350	F	DB50	2 pc plastic hood w/lock screws	3.85	2.96	2.69

Hinged Construction with Jack Screws

- Side snap lock
- Black
- Polypropylene

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Length (in.)	Width (in.)	Price Each		
					1	10	100
152-9009-E	G	DB9	1.31	1.33	1.39	1.08	.98
152-9015-E	G	DB15	1.29	1.66	1.39	1.08	.98
152-9025-E	G	DB25	1.44	2.22	1.39	1.08	.98
152-9037-E	G	DB37	1.54	2.85	1.87	1.47	1.30

Custom Adapter Housings

A two piece plastic housing designed for custom applications requiring the use of two D-sub connectors. Applications include custom jumper boxes and interconnects. Connectors are not included.

Features:
- All plastic construction
- Snap together assembly
- Connector screws included

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Color	Description	Price Each		
					1	10	100
157-4000	H	DB25/DB25	Black	with screws	1.10	.85	.76
157-4001	H	DB9/DB9	Black	with screws	1.10	.85	.76
157-4002	H	DB9/DB25	Gray	with screws	1.10	.85	.76
157-4003	H	DB25/DB25	Gray	with screws	1.10	.85	.76

Standard Hoods

Features:
- Designed to fit our 152 and 156 series connectors
- Complete with screw, retainer, and side screws.
- Straight cable exit

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shell Size	Description	Price Each		
				1	10	100
Economy Plastic Locking Hoods						
156-2009-E	I	DB9	Gray locking hood	.65	.50	.45
156-2010-E	I	DB9	Black locking hood	.65	.50	.45
156-2015-E	J	DB15	Gray locking hood	.65	.50	.45
156-2025-E	J	DB25	Gray locking hood	.65	.50	.45
RFI/EMI Shielded Metallized Plastic Hoods						
156-3009-E	I	DB9	Nickel over copper plating	1.09	.91	.83
156-3015-E	J	DB15	Nickel over copper plating	1.21	1.01	.92
156-3025-E	J	DB25	Nickel over copper plating	1.21	1.01	.92
156-3037-E	J	DB37	Nickel over copper plating	2.05	1.71	1.55
RFI/EMI Shielded Metal Locking Hoods						
156-4109	K	DB9	Clear zinc chromate finish	2.38	1.98	1.80
156-4115	K	DB15	Clear zinc chromate finish	3.06	2.51	2.28
156-4125	K	DB25	Clear zinc chromate finish	3.59	2.76	2.51

KOBICONN EMI / DUST COVERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	C olor	No. of Contacts	Type	Price Each		
					1	10	100
152-09FR	L	Red	9	female	2.16	1.66	1.51
152-15FR	L	Red	15	female	2.39	1.84	1.67
152-25FR	L	Red	25	female	2.47	1.90	1.72
152-09MB	L	Blue	9	male	2.13	1.64	1.49
152-15MB	L	Blue	15	male	2.39	1.84	1.67
152-25MB	L	Blue	25	male	2.47	1.90	1.72

KYCON Ferrite Filtered D-Subminiature Connectors

KF22 SERIES - RIGHT ANGLE, .318" FOOTPRINT

RoHS Compliant **This page of product is compliant.**

Specifications:

- PCB Mount - .318" Footprint
- Grounding board locks
- Riveted threaded inserts
- Shell: Steel, Tin plated
- Insulator: PBT Thermoplastic with glass-fiber reinforcement, UL94V-0 rated
- Color: Black
- Contact Material: Plug: Brass; Socket: Phosphor Bronze
- Contact Plating: Gold flash on mating end with Nickel underplate on entire contact, Tin over Nickel on termination end
- Current Rating: 5A
- Voltage Rating: 300VDC
- Insulation Resistance: more than 1000MΩ
- Operating Temperature: -55°C to +105°C
- RoHS Compliance per Kycon Documentation

Features:

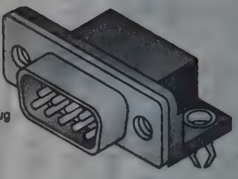
- EMI/RFI noise suppression in data communication lines
- Cost effective way to meet FCC and VDE Class B requirements
- Does not require any more board space that a standard D-Sub

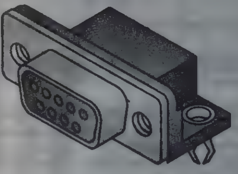
LR78160 E140125

Ferrite filters provide an easy and efficient way of reducing both radiated and conducted interference. KYCON uses a medium permeability nickel zinc ferrite material that is effective at attenuating frequencies above 30 MHz.

Ferrite Specifications		
Test Frequency	Edge Hole	Inner Hole
30 MHz	17-27 Ohms	22-30 Ohms
50 MHz	22-30 Ohms	29-37 Ohms
100 MHz	29-34 Ohms	35-40 Ohms

RoHS Compliant


Plug


Receptacle

For quantities of 500 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Pin Count/ Type	Description	Price Each			
				1	25	50	100
806-KF22X-E9P-N	KF22X-E9P-N	9P, Plug	Threaded Inserts	2.93	2.84	2.08	1.67
806-KF22X-E9P-NJ	KF22X-E9P-NJ	9P, Plug	4-40 Hex. Jack Screws Installed	3.39	2.89	2.48	1.99
806-KF22X-E9S-N	KF22X-E9S-N	9P, Receptacle	Threaded Inserts	3.12	3.11	2.27	1.76
806-KF22X-E9S-NJ	KF22X-E9S-NJ	9P, Receptacle	4-40 Hex. Jack Screws Installed	3.40	2.90	2.48	2.00
806-KF22X-A15P-N	KF22X-A15P-N	15P, Plug	Threaded Inserts	3.83	3.79	2.77	2.18
806-KF22X-A15P-NJ	KF22X-A15P-NJ	15P, Plug	4-40 Hex. Jack Screws Installed	3.76	3.64	3.02	2.43
806-KF22X-A15S-N	KF22X-A15S-N	15P, Receptacle	Threaded Inserts	3.82	3.80	2.78	2.18
806-KF22X-A15S-NJ	KF22X-A15S-NJ	15P, Receptacle	4-40 Hex. Jack Screws Installed	4.14	3.53	3.03	2.44
806-KF22X-B25P-N	KF22X-B25P-N	25P, Plug	Threaded Inserts	3.85	3.64	2.66	2.32
806-KF22X-B25P-NJ	KF22X-B25P-NJ	25P, Plug	4-40 Hex. Jack Screws Installed	4.30	4.08	2.98	2.61
806-KF22X-B25S-N	KF22X-B25S-N	25P, Receptacle	Threaded Inserts	3.90	3.65	2.67	2.33
806-KF22X-B25S-NJ	KF22X-B25S-NJ	25P, Receptacle	4-40 Hex. Jack Screws Installed	4.38	4.09	2.99	2.62
806-KF22X-C37P-N	KF22X-C37P-N	37P, Plug	Threaded Inserts	9.03	8.76	6.41	5.16
806-KF22X-C37P-NJ	KF22X-C37P-NJ	37P, Plug	4-40 Hex. Jack Screws Installed	9.59	9.31	6.81	5.48

KF66 SERIES - RIGHT ANGLE HIGH DENSITY, .350" FOOTPRINT

Specifications:

- PCB Mount - .350" Footprint
- Grounding board locks
- Riveted threaded inserts
- Shell: Steel, Tin plated
- Insulator: PBT Thermoplastic with glass-fiber reinforcement, UL94V-0 rated
- Color: Black
- Contact Material: Plug: Brass; Socket: Phosphor Bronze
- Contact Plating: Gold flash on mating end with Nickel underplate on entire contact, Tin over Nickel on termination end
- Current Rating: 5A
- Voltage Rating: 300VDC
- Insulation Resistance: more than 1000MΩ
- Operating Temperature: -55°C to +105°C
- RoHS Compliance per Kycon Documentation

Features:

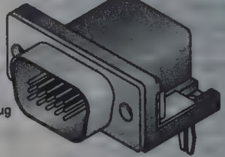
- EMI/RFI noise suppression in data communication lines
- Cost effective way to meet FCC and VDE Class B requirements
- Does not require any more board space that a standard D-Sub

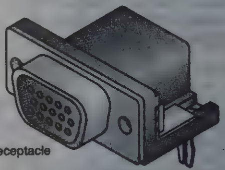
LR78160 E140125

Ferrite filters provide an easy and efficient way of reducing both radiated and conducted interference. KYCON uses a medium permeability nickel zinc ferrite material that is effective at attenuating frequencies above 30 MHz.

Ferrite Specifications		
Test Frequency	Outer Row	Inner Row
30 MHz	20-23 Ohms	31-38 Ohms
50 MHz	24-27 Ohms	37-43 Ohms
100 MHz	29-31 Ohms	41-48 Ohms

RoHS Compliant


Plug


Receptacle

For quantities of 500 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Pin Count/ Type	Description	Price Each			
				1	25	50	100
806-KF66X-E15P-N	KF66X-E15P-N	15P, Plug	Threaded Inserts	6.87	6.34	4.64	3.93
806-KF66X-E15P-NJ	KF66X-E15P-NJ	15P, Plug	4-40 Hex. Jack Screws Installed	8.14	8.01	5.86	4.65
806-KF66X-E15S-N	KF66X-E15S-N	15P, Receptacle	Threaded Inserts	4.76	4.39	3.21	2.72
806-KF66X-E15S-NJ	KF66X-E15S-NJ	15P, Receptacle	4-40 Hex. Jack Screws Installed	5.06	4.91	3.59	2.89
806-KF66X-A26P-N	KF66X-A26P-N	26P, Plug	Threaded Inserts	8.41	7.77	5.68	4.81
806-KF66X-A26P-NJ	KF66X-A26P-NJ	26P, Plug	4-40 Hex. Jack Screws Installed	8.62	7.96	5.82	4.93
806-KF66X-A26S-N	KF66X-A26S-N	26P, Receptacle	Threaded Inserts	10.73	10.23	8.19	6.60
806-KF66X-A26S-NJ	KF66X-A26S-NJ	26P, Receptacle	4-40 Hex. Jack Screws Installed	10.38	10.03	8.60	6.92
806-KF66X-B44S-NJ	KF66X-B44S-NJ	44P, Receptacle	4-40 Hex. Jack Screws Installed	16.55	15.48	11.32	9.58

KF66 VESA SERIES - RIGHT ANGLE HIGH DENSITY, .350" FOOTPRINT

Specifications:

- PCB Mount - .350" Footprint
- Grounding board locks
- Riveted threaded inserts
- Shell: Steel, Tin plated
- Insulator: PBT Thermoplastic with glass-fiber reinforcement, UL94V-0 rated
- Color: Black
- Contact Material: Plug: Brass; Socket: Phosphor Bronze
- Contact Plating: Gold flash on mating end with Nickel underplate on entire contact, Tin over Nickel on termination end
- Current Rating: 5A
- Voltage Rating: 300VDC
- Insulation Resistance: more than 1000MΩ
- Operating Temperature: -55°C to +105°C
- RoHS Compliance per Kycon Documentation

Features:

- Pin# 9 recessed 0.050" for last mate/first break on 5V supply voltage
- EMI/RFI noise suppression in data communication lines
- Cost effective way to meet FCC and VDE Class B requirements
- Does not require any more board space that a standard D-Sub

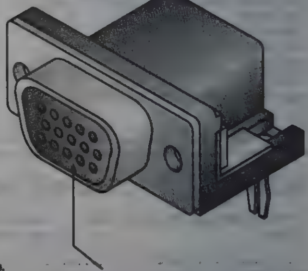
Ferrite filters provide an easy and efficient way of reducing both radiated and conducted interference. KYCON uses a medium permeability nickel zinc ferrite material that is effective at attenuating frequencies above 30 MHz.

RoHS Compliant

Ferrite Specifications		
Test Frequency	Outer Row	Inner Row
30 MHz	20-23 Ohms	31-38 Ohms
50 MHz	24-27 Ohms	37-43 Ohms
100 MHz	29-31 Ohms	41-48 Ohms

LR78160 E140125

Receptacle


Blue body color signifies 5V capability and full feature AccessBus capability.

For quantities of 500 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Pin Count/ Type	Description	Price Each			
				1	25	50	100
806-KF66X-E15S-NVESA	KF66X-E15S-N-VESA	15P, Receptacle	Threaded Inserts	4.69	4.38	3.43	3.02
806-KF66X-E15SNJVESA	KF66X-E15S-NJ-VESA	15P, Receptacle	4-40 Hex. Jack Screws Installed	5.37	5.12	3.75	3.31

NORCOMP D-Subminiature Connectors

NORCOMP
A DIVISION OF EDAC (AMERICA) LIMITED

SERIES 170 CRIMP AND POKE D-SUB CONNECTORS

Specifications:
- Shell: Steel, nickel plated
- Insulator: Glass-filled thermoplastic. U.L. rated 94V-O
- Contact current rating: 5 amps

Features:
- RoHS Compliance per NorComp documentation (Low Temperature Material)
- Allows for easy loading of only the positions required using Crimp and Snap-in contacts (sold separately)

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Positions	Type	Dimensions (In.)				Price Each			
					A	B	C	D	1	10	50	100
636-170-009-173L000	170-009-173L000	A	9	Male	1.213	0.984	0.666	0.329	**.69**	**.59**	**.48**	**.45**
636-170-015-173L000	170-015-173L000	A	15	Male	1.543	1.312	0.994	0.329	**.80**	**.69**	**.55**	**.52**
636-170-025-173L000	170-025-173L000	A	25	Male	2.087	1.852	1.534	0.329	**.84**	**.72**	**.59**	**.56**
636-170-037-173L000	170-037-173L000	A	37	Male	2.732	2.500	2.181	0.329	**1.60**	**1.42**	**1.14**	**1.08**
636-170-050-173L000	170-050-173L000	A	50	Male	2.638	2.406	2.079	0.436	**4.75**	**4.25**	**3.50**	**3.31**
636-170-009-273L000	170-009-273L000	A	9	Female	1.213	0.984	0.642	0.311	**.71**	**.62**	**.51**	**.49**
636-170-015-273L000	170-015-273L000	A	15	Female	1.543	1.312	0.971	0.311	**.88**	**.75**	**.61**	**.58**
636-170-025-273L000	170-025-273L000	A	25	Female	2.087	1.852	1.512	0.311	**.90**	**.77**	**.63**	**.59**
636-170-037-27L3000	170-037-273L000	A	37	Female	2.732	2.500	2.157	0.311	**1.65**	**1.45**	**1.18**	**1.12**

SERIES 170 CONTACTS

- Gold flash on mating area nickel on wire crimp
- Max. insulation diameter for 24-28 AWG is .035"

- RoHS Compliance per NorComp documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

636-170-101-170L001	170-101-170L001	B	Contact	Male	0.321	0.202	-	-	**.15**	**.14**	**.13**	**.12**
636-170-102-170L001	170-102-170L001	C	Contact	Female	0.312	0.230	0.063	-	**.31**	**.20**	**.15**	**.12**

SERIES 178, 179 AND 189 DUAL PORT D-SUB CONNECTORS

- Shell: Steel, nickel plated
- Insulator: Glass-filled thermoplastic. U.L. rated 94V-O

- RoHS Compliance per NorComp documentation (High Temperature Material - 260°)
- Hardware: Four 4-40 female screw locks, 4 forked board locks

RoHS Compliant

For quantities of 500 and up, call for quote.

636-178-009-513R571	178-009-513R571	D	9	Fem/Fem	1.204	0.984	0.494	0.750	**6.50**	**4.24**	**4.06**	**3.94**
636-178-015-513R571	178-015-513R571	D	15	Fem/Fem	1.535	1.312	0.494	0.750	**7.87**	**5.25**	**5.13**	**4.97**
636-178-025-513R571	178-025-513R571	D	25	Fem/Fem	2.078	1.850	0.494	0.750	**9.12**	**6.08**	**5.94**	**5.76**
636-178-037-513R571	178-037-513R571	D	37	Fem/Fem	2.724	2.500	0.494	0.750	**12.33**	**8.38**	**8.25**	**8.10**
636-179-009-513R571	179-009-513R571	D	9	Fem/Fem	1.204	0.984	0.494	0.900	**6.50**	**4.24**	**4.06**	**3.94**
636-179-015-513R571	179-015-513R571	D	15	Fem/Fem	1.535	1.312	0.494	0.900	**7.87**	**5.25**	**5.13**	**4.97**
636-179-025-513R571	179-025-513R571	D	25	Fem/Fem	2.078	1.850	0.494	0.900	**9.12**	**6.08**	**5.94**	**5.76**
636-189-009-513R571	189-009-513R571	D	9	Fem/Fem	1.204	0.984	0.494	0.625	**6.50**	**4.24**	**4.06**	**3.94**
636-189-025-513R571	189-025-513R571	D	25	Fem/Fem	2.078	1.85	0.494	0.625	**9.12**	**6.08**	**5.94**	**5.76**

SERIES 182 AND 183 ECONOMY VERSION RIGHT ANGLE D-SUB CONNECTORS

- Shell: Steel, nickel plated
- Insulator: Glass-filled thermoplastic. U.L. rated 94V-O
- Contacts: Brass or Phosphor Bronze

- RoHS Compliance per NorComp documentation (High Temperature Material - 260°)
- Hardware: Two 4-40 inserts on mating side and 2 forked board locks
- Male shells have indents to provide grounding and additional retention
- Non-removable contacts

RoHS Compliant

For quantities of 500 and up, call for quote.

636-182-009-113R531	182-009-113R531	E	9	Male	1.213	0.984	0.666	0.318	**1.12**	**1.03**	**.97**	**.93**
636-182-015-113R531	182-015-113R531	E	15	Male	1.541	1.312	0.994	0.318	**1.28**	**1.17**	**1.12**	**1.05**
636-182-025-113R531	182-025-113R531	E	25	Male	2.088	1.852	1.534	0.318	**1.69**	**1.62**	**1.46**	**1.39**
636-182-037-113R531	182-037-113R531	E	37	Male	2.729	2.500	2.181	0.318	**2.46**	**2.15**	**2.03**	**1.93**
636-182-009-213R531	182-009-213R531	E	9	Female	1.213	0.984	0.642	0.318	**1.18**	**1.03**	**1.00**	**.96**
636-182-015-213R531	182-015-213R531	E	15	Female	1.541	1.312	0.971	0.318	**1.47**	**1.27**	**1.23**	**1.19**
636-182-025-213R531	182-025-213R531	E	25	Female	2.088	1.852	1.512	0.318	**1.65**	**1.58**	**1.50**	**1.42**
636-182-037-213R531	182-037-213R531	E	37	Female	2.729	2.500	2.157	0.318	**2.55**	**2.20**	**2.11**	**2.00**
636-183-009-113R531	183-009-113R531	E	9	Male	1.213	0.984	0.666	0.590	**2.70**	**2.58**	**2.45**	**2.32**
636-183-025-113R531	183-025-113R531	E	25	Male	2.088	1.852	1.534	0.590	**3.55**	**3.38**	**3.21**	**3.04**
636-183-037-113R531	183-037-113R531	E	37	Male	2.729	2.500	2.181	0.590	**5.27**	**5.02**	**4.77**	**4.52**
636-183-009-213R531	183-009-213R531	E	9	Female	1.213	0.984	0.642	0.590	**2.62**	**2.50**	**2.38**	**2.25**
636-183-015-213R531	183-015-213R531	E	15	Female	1.541	1.312	0.971	0.590	**3.11**	**2.96**	**2.81**	**2.66**
636-183-025-213R531	183-025-213R531	E	25	Female	2.088	1.852	1.512	0.590	**3.78**	**3.60**	**3.42**	**3.24**
636-183-037-213R531	183-037-213R531	E	37	Female	2.729	2.500	2.157	0.590	**5.58**	**5.32**	**5.05**	**4.79**

SERIES 180 HIGH DENSITY CRIMP AND POKE

- Shell: Steel, nickel plated
- Insulator: Glass-filled thermoplastic. U.L. rated 94V-O

- RoHS Compliance per NorComp documentation (Low Temperature Material)
- Male shells have indents to provide grounding and additional retention

RoHS Compliant

For quantities of 500 and up, call for quote.

636-180-015-173L000	180-015-173L000	F	15	Male	1.213	0.984	0.666	0.329	**2.05**	**1.77**	**1.43**	**1.35**
636-180-026-173L000	180-026-173L000	F	26	Male	1.543	1.312	0.994	0.329	**6.03**	**5.20**	**4.20**	**3.98**
636-180-044-173L000	180-044-173L000	F	44	Male	2.087	1.852	1.534	0.329	**7.33**	**6.32**	**5.09**	**4.82**
636-180-062-173L000	180-062-173L000	F	62	Male	2.732	2.500	2.181	0.329	**9.36**	**8.07**	**6.50**	**6.16**
636-180-078-173L000	180-078-173L000	F	78	Male	2.803	2.406	2.079	0.445	**16.01**	**13.80**	**10.60**	**9.95**
636-180-015-273L000	180-015-273L000	F	15	Female	1.213	0.984	0.644	0.311	**2.05**	**1.77**	**1.43**	**1.35**
636-180-026-273L000	180-026-273L000	F	26	Female	1.543	1.312	0.966	0.311	**6.54**	**5.63**	**4.54**	**4.30**
636-180-044-273L000	180-044-273L000	F	44	Female	2.087	1.852	1.512	0,311	**7.46**	**6.43**	**5.19**	**4.91**
636-180-062-273L000	180-062-273L000	F	62	Female	2.732	2.500	2.156	0.311	**8.54**	**7.36**	**5.93**	**5.62**
636-180-078-273L000	180-078-273L000	F	78	Female	2.083	2.406	2.057	0.429	**10.97**	**9.45**	**7.62**	**7.22**

SERIES 180 CONTACTS

- Plating: Gold flash over 50 μ" nickel
- Wire size: 22 - 26 AWG

- RoHS Compliance per NorComp documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

636-180-101-170L001	180-101-170L001	G	Contact	Male	0.276	0.240	-	-	**.12**	**.11**	**.10**	**.09**
636-180-102-170L001	180-102-170L001	H	Contact	Female	0.248	0.240	0.0512	-	**.12**	**.11**	**.10**	**.09**

SERIES 181 HIGH DENSITY RIGHT ANGLE D-SUB CONNECTORS

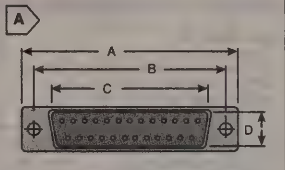
- Shell: Steel, nickel plated
- Insulator: Glass-filled thermoplastic. U.L. rated 94V-O

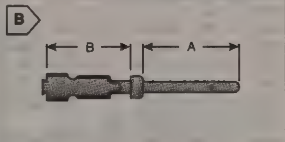
- RoHS Compliance per NorComp documentation (High Temperature Material - 260°)
- Two 4-40 threaded inserts on mating side, inside ground straps

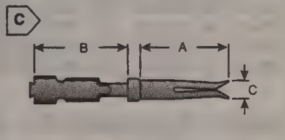
RoHS Compliant

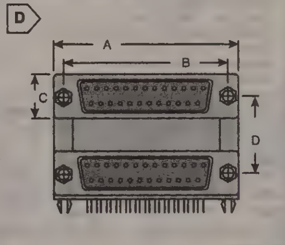
For quantities of 500 and up, call for quote.

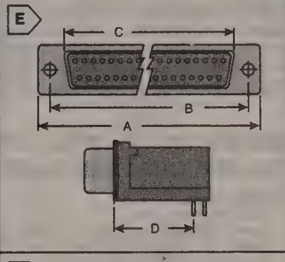
636-181-015-213R171	181-015-213R171	I	15	Female	1.213	0.984	0.644	0.350	**3.27**	**2.82**	**2.28**	**2.03**
636-181-026-213R171	181-026-213R171	I	26	Female	1.543	1.312	0.966	0.350	**9.06**	**7.81**	**6.29**	**5.96**
636-181-044-213R171	181-044-213R171	I	44	Female	2.087	1.852	1.512	0.350	**9.79**	**8.43**	**6.80**	**6.44**
636-181-062-213R171	181-062-213R171	I	62	Female	2.732	2.500	2.156	0.350	**13.68**	**11.79**	**9.50**	**9.00**

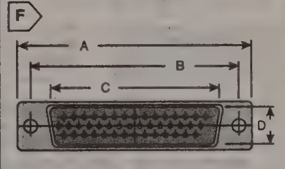


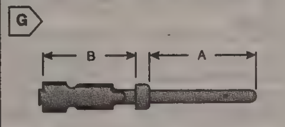


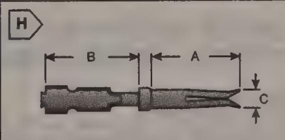


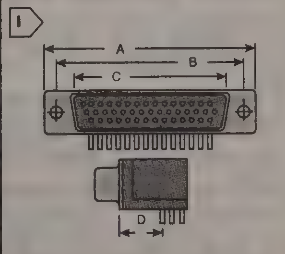












NORCOMP D-Subminiature Connectors

NORCOMP
A DIVISION OF EDAC (AMERICA) LIMITED

SERIES 171 STAMPED CONTACT D-SUB CONNECTORS - SOLDER CUP

Specifications:
- Nickel Shell
- Insulator: Glass-filled thermoplastic, UL94V-0
- Contacts: Male- Brass Pins;
  Female- Phosphor Bronze Pins
- Plating: Gold flash on the entire contact

Features:
- RoHS Compliant per NorComp documentation
- Non-removable contacts
- Low cost economy series
- Male nickel shells have indents to provide grounding and additional retention
- High performance, stamped contacts

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Pos.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
Male												
636-171-009-103L001	171-009-103L001	A	9	1.213	0.984	0.666	0.756	0.496	.65	.57	.43	.41
636-171-015-103L001	171-015-103L001	A	15	1.543	1.312	0.994	1.091	0.496	.95	.84	.66	.61
636-171-025-103L001	171-025-103L001	A	25	2.087	1.852	1.534	1.618	0.496	1.10	.95	.76	.68
636-171-037-103L001	171-037-103L001	A	37	2.732	2.500	2.181	2.256	0.496	2.09	1.80	1.44	1.29
636-171-050-103L001	171-050-103L001	A	50	2.638	2.406	2.079	2.169	0.602	4.16	3.59	2.89	2.74
Female												
636-171-009-203L001	171-009-203L001	A	9	1.213	0.984	0.666	0.756	0.496	.73	.63	.51	.45
636-171-015-203L001	171-015-203L001	A	15	1.543	1.312	0.994	1.091	0.496	1.22	1.04	.84	.79
636-171-025-203L001	171-025-203L001	A	25	2.087	1.852	1.534	1.618	0.496	1.29	1.12	.89	.80
636-171-037-203L001	171-037-203L001	A	37	2.732	2.500	2.181	2.256	0.496	2.46	2.12	1.71	1.62
636-171-050-203L001	171-050-203L001	A	50	2.638	2.406	2.079	2.169	0.602	4.52	3.90	3.14	2.97

SERIES 171 STAMPED CONTACT D-SUB CONNECTORS - DIP SOLDER

Specifications:
- Shell: Nickel Plated Steel
- Insulator: Glass-filled thermoplastic, UL94V-0
- Contacts: Male- Brass Pins;
  Female- Phosphor Bronze Pins
- Plating: Gold flash on the entire contact

Features:
- RoHS Compliant per NorComp documentation
- Non-removable contacts
- Male nickel shells have indents to provide grounding and additional retention
- High performance, stamped contacts

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Pos.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
Male												
636-171-009-113R001	171-009-113R001	B	9	1.213	0.984	0.666	0.756	0.496	1.10	.98	.78	.74
636-171-015-113R001	171-015-113R001	B	15	1.543	1.312	0.994	1.091	0.496	1.73	1.49	1.20	1.13
636-171-025-113R001	171-025-113R001	B	25	2.087	1.852	1.534	1.618	0.496	2.41	2.08	1.67	1.58
636-171-037-113R001	171-037-113R001	B	37	2.732	2.500	2.181	2.256	0.496	4.31	3.72	2.98	2.83
Female												
636-171-009-213R001	171-009-213R001	B	9	1.213	0.984	0.666	0.756	0.496	1.25	1.10	.89	.85
636-171-015-213R001	171-015-213R001	B	15	1.543	1.312	0.994	1.091	0.496	1.40	1.21	.97	.92
636-171-025-213R001	171-025-213R001	B	25	2.087	1.852	1.534	1.618	0.496	1.79	1.54	1.24	1.17
636-171-037-213R001	171-037-213R001	B	37	2.732	2.500	2.181	2.256	0.496	2.90	2.51	2.01	1.91
636-171-050-213R001	171-050-213R001	B	50	2.638	2.406	2.079	2.169	0.606	4.63	3.99	3.21	3.04

SERIES 180 STAMPED CONTACT D-SUB CONNECTORS - SOLDER CUP HIGH DENSITY

Specifications:
- Shell: Nickel Plated Steel
- Insulator: Glass-filled thermoplastic, UL94V-0
- Contacts: Male - Brass Pins, Female - Phosphor Bronze Pins
- Plating: Gold flash on the entire contact

Features:
- RoHS Compliant per NorComp documentation
- Interfaces with IBM PS/2
- Approximately 65% higher density than standard D-Subs
- Connectors will fit in standard D-sub backshells

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Pos.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
Male												
636-180-015-103L001	180-015-103L001	C	15	1.213	0.984	0.666	0.756	0.496	2.29	1.97	1.60	1.42
636-180-026-103L001	180-026-103L001	C	26	1.543	1.312	0.994	1.091	0.496	7.44	6.41	5.17	4.90
636-180-044-103L001	180-044-103L001	C	44	2.087	1.852	1.534	1.618	0.496	8.97	7.73	6.23	5.90
636-180-062-103L001	180-062-103L001	C	62	2.732	2.500	2.181	2.256	0.496	8.98	8.57	7.75	7.34
636-180-078-103L001	180-078-103L001	C	78	2.638	2.406	2.079	2.169	0.606	9.14	6.75	6.32	5.71
Female												
636-180-015-203L001	180-015-203L001	C	15	1.213	0.984	0.666	0.756	0.496	2.65	2.35	1.92	1.63
636-180-026-203L001	180-026-203L001	C	26	1.543	1.312	0.994	1.091	0.496	6.54	5.63	4.54	4.30
636-180-044-203L001	180-044-203L001	C	44	2.087	1.852	1.534	1.618	0.496	10.39	8.95	7.22	6.84
636-180-062-203L001	180-062-203L001	C	62	2.732	2.500	2.181	2.256	0.496	12.62	10.87	8.76	8.30
636-180-078-203L001	180-078-203L001	C	78	2.638	2.406	2.079	2.169	0.606	7.98	5.64	5.21	4.78

SERIES 180 STAMPED CONTACT D-SUB CONNECTORS - VERTICAL DIP HIGH DENSITY

Specifications:
- Shell: Nickel Plated Steel
- Insulator: Glass-filled thermoplastic, UL94V-0
- Contacts: Male - Brass Pins, Female - Phosphor Bronze Pins

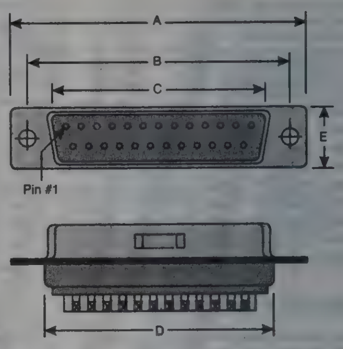
Features:
- RoHS Compliant per NorComp documentation
- Interfaces with IBM PS/2
- Approximately 65% higher density than standard D-Subs

RoHS Compliant

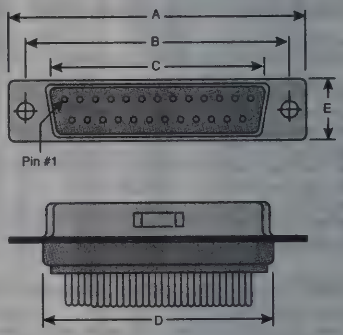
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	No. of Pos.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
Male												
636-180-015-113R001	180-015-113R001	D	15	1.213	0.984	0.666	0.756	0.496	2.36	2.03	1.63	1.55
636-180-026-113R001	180-026-113R001	D	26	1.543	1.312	0.994	1.091	0.496	3.64	3.13	2.53	2.39
636-180-044-113R001	180-044-113R001	D	44	2.087	1.852	1.534	1.618	0.496	6.48	5.58	4.50	4.27
636-180-062-113R001	180-062-113R001	D	62	2.732	2.500	2.181	2.256	0.496	8.80	7.59	6.12	5.80
Female												
636-180-015-213R001	180-015-213R001	D	15	1.213	0.984	0.666	0.756	0.496	1.98	1.70	1.37	1.30
636-180-026-213R001	180-026-213R001	D	26	1.543	1.312	0.994	1.091	0.496	4.12	3.54	2.85	2.70
636-180-044-213R001	180-044-213R001	D	44	2.087	1.852	1.534	1.618	0.496	6.44	5.55	4.47	4.23
636-180-062-213R001	180-062-213R001	D	62	2.732	2.500	2.181	2.256	0.496	8.90	7.67	6.18	5.85

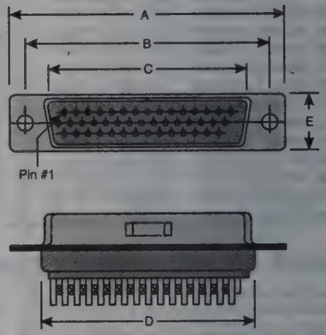
A



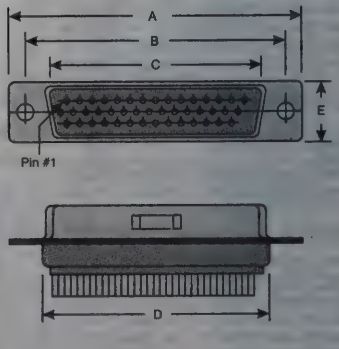
B



C



D



NORCOMP D-Subminiature Connectors

NorComp
A DIVISION OF EDAC (AMERICA) LIMITED

SERIES 172 MACHINED CONTACT D-SUB CONNECTORS

Specifications:
- Insulator: Glass-filled thermoplastic, UL94V-0
- Shell: Steel, plated with nickel
- Machined Contacts: Brass male and female pins
- Plating: Gold flash over entire contact area

Features:
- Non-removable contacts
- Shells have indents to provide grounding and additional retention
- Screw machine contacts offer high reliability
- RoHS Compliant per NorComp documentation

RoHS Compliant

Solder Cup

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	No. of Contacts	Type	Hardware	Price Each			
					1	10	50	100
636-172-E09-103R001	172-E09-103R001	9	Male	- - -	2.22	1.91	1.54	1.38
636-172-E09-203R001	172-E09-203R001	9	Female	- - -	2.53	2.18	1.75	1.57
636-172-E09-103R011	172-E09-103R011	9	Male	.098" Clinch Nuts, Board Side	3.23	2.78	2.24	2.12
636-172-E09-203R011	172-E09-203R011	9	Female	.098" Clinch Nuts, Board Side	3.53	3.04	2.45	2.32
636-172-E09-103R021	172-E09-103R021	9	Male	.250" Clinch Nuts, Board Side	3.23	2.78	2.24	2.12
636-172-E09-203R021	172-E09-203R021	9	Female	.250" Clinch Nuts, Board Side	3.53	3.04	2.45	2.32
636-172-E09-103R031	172-E09-103R031	9	Male	.250" Clinch Nuts, Mating Side	3.23	2.78	2.24	2.12
636-172-E09-203R031	172-E09-203R031	9	Female	.250" Clinch Nuts, Mating Side	3.53	3.04	2.45	2.32
636-172-E15-103R001	172-E15-103R001	15	Male	- - -	2.80	2.41	1.94	1.84
636-172-E15-203R001	172-E15-203R001	15	Female	- - -	3.58	3.09	2.81	2.40
636-172-E15-103R011	172-E15-103R011	15	Male	.098" Clinch Nuts, Board Side	3.81	3.28	2.64	2.50
636-172-E15-203R011	172-E15-203R011	15	Female	.098" Clinch Nuts, Board Side	4.38	3.78	3.04	2.88
636-172-E15-203R021	172-E15-203R021	15	Female	.250" Clinch Nuts, Board Side	4.38	3.78	3.04	2.88
636-172-E15-203R031	172-E15-203R031	15	Female	.250" Clinch Nuts, Mating Side	4.38	3.78	3.04	2.88
636-172-E25-103R001	172-E25-103R001	25	Male	- - -	3.63	3.12	2.53	2.25
636-172-E25-203R001	172-E25-203R001	25	Female	- - -	4.99	4.30	3.48	3.10
636-172-E25-103R011	172-E25-103R011	25	Male	.098" Clinch Nuts, Board Side	4.63	3.99	3.21	3.04
636-172-E25-203R011	172-E25-203R011	25	Female	.098" Clinch Nuts, Board Side	6.00	5.17	4.16	3.94
636-172-E25-103R021	172-E25-103R021	25	Male	.250" Clinch Nuts, Board Side	4.63	3.99	3.21	3.04
636-172-E25-203R021	172-E25-203R021	25	Female	.250" Clinch Nuts, Board Side	6.00	5.17	4.16	3.94
636-172-E25-103R031	172-E25-103R031	25	Male	.250" Clinch Nuts, Mating Side	4.63	3.99	3.21	3.04
636-172-E25-203R031	172-E25-203R031	25	Female	.250" Clinch Nuts, Mating Side	6.00	5.17	4.16	3.94
636-172-E37-103R001	172-E37-103R001	37	Male	.098" Clinch Nuts, Board Side	4.87	4.20	3.38	3.20
636-172-E37-203R001	172-E37-203R001	37	Female	.098" Clinch Nuts, Board Side	6.76	5.82	4.69	4.45
636-172-E37-203R011	172-E37-203R011	37	Female	.098" Clinch Nuts, Board Side	7.77	6.69	5.40	5.11
636-172-E50-103R001	172-E50-103R001	50	Male	- - -	8.71	7.50	6.10	5.78
636-172-E50-203R001	172-E50-203R001	50	Female	- - -	13.15	11.34	9.14	8.66
636-172-E50-103R011	172-E50-103R011	50	Male	.098" Clinch Nuts, Board Side	9.72	8.37	6.75	6.39

Dip Solder - PCB Mount

For quantities of 500 and up, call for quote.

636-172-E09-113R001	172-E09-113R001	9	Male	- - -	2.39	2.06	1.65	1.57
636-172-E09-213R001	172-E09-213R001	9	Female	- - -	3.00	2.58	2.09	1.98
636-172-E09-113R011	172-E09-113R011	9	Male	.098" Clinch Nuts, Board Side	3.45	2.97	2.39	2.27
636-172-E09-213R011	172-E09-213R011	9	Female	.098" Clinch Nuts, Board Side	4.05	3.49	2.81	2.66
636-172-E09-113R021	172-E09-113R021	9	Male	.250" Clinch Nuts, Board Side	3.45	2.97	2.39	2.27
636-172-E09-213R021	172-E09-213R021	9	Female	.250" Clinch Nuts, Board Side	4.05	3.49	2.81	2.66
636-172-E09-113R031	172-E09-113R031	9	Male	.250" Clinch Nuts, Mating Side	3.45	2.97	2.39	2.27
636-172-E09-213R031	172-E09-213R031	9	Female	.250" Clinch Nuts, Mating Side	4.05	3.49	2.81	2.66
636-172-E15-113R001	172-E15-113R001	15	Male	- - -	3.22	2.77	2.24	2.12
636-172-E15-213R001	172-E15-213R001	15	Female	- - -	4.18	3.60	2.91	2.75
636-172-E15-113R011	172-E15-113R011	15	Male	.098" Clinch Nuts, Board Side	4.27	3.35	2.96	2.81
636-172-E15-213R011	172-E15-213R011	15	Female	.098" Clinch Nuts, Board Side	5.23	4.51	3.63	3.44
636-172-E15-113R021	172-E15-113R021	15	Male	.250" Clinch Nuts, Board Side	4.27	3.35	2.96	2.81
636-172-E15-213R021	172-E15-213R021	15	Female	.250" Clinch Nuts, Board Side	5.23	4.51	3.63	3.44
636-172-E15-213R031	172-E15-213R031	15	Female	.250" Clinch Nuts, Mating Side	5.23	4.51	3.63	3.44
636-172-E25-113R001	172-E25-113R001	25	Male	- - -	3.99	3.43	2.77	2.63
636-172-E25-213R001	172-E25-213R001	25	Female	- - -	6.22	5.36	4.31	4.09
636-172-E25-113R011	172-E25-113R011	25	Male	.098" Clinch Nuts, Board Side	5.04	4.34	3.50	3.31
636-172-E25-213R011	172-E25-213R011	25	Female	.098" Clinch Nuts, Board Side	7.27	6.27	5.05	4.79
636-172-E25-113R021	172-E25-113R021	25	Male	.250" Clinch Nuts, Board Side	5.04	4.34	3.50	3.31
636-172-E25-213R021	172-E25-213R021	25	Female	.250" Clinch Nuts, Board Side	7.27	6.27	5.05	4.79
636-172-E25-113R031	172-E25-113R031	25	Male	.250" Clinch Nuts, Mating Side	5.04	4.34	3.50	3.31
636-172-E25-213R031	172-E25-213R031	25	Female	.250" Clinch Nuts, Mating Side	7.27	6.27	5.05	4.79
636-172-E37-113R001	172-E37-113R001	37	Male	- - -	8.77	7.56	6.10	5.78
636-172-E37-213R001	172-E37-213R001	37	Female	- - -	8.77	7.56	6.10	5.78
636-172-E37-113R011	172-E37-113R011	37	Male	.098" Clinch Nuts, Board Side	9.83	8.47	6.82	6.46
636-172-E37-113R021	172-E37-113R021	37	Male	.250" Clinch Nuts, Board Side	9.83	8.47	6.82	6.46
636-172-E37-113R031	172-E37-113R031	37	Male	.250" Clinch Nuts, Mating Side	9.83	8.47	6.82	6.46
636-172-E37-213R031	172-E37-213R031	37	Female	.250" Clinch Nuts, Mating Side	9.83	8.47	6.82	6.46
636-172-E50-113R001	172-E50-113R001	50	Male	- - -	9.12	7.86	6.33	5.99
636-172-E50-213R001	172-E50-213R001	50	Female	- - -	11.64	10.03	8.09	7.67
636-172-E50-113R011	172-E50-113R011	50	Male	.098" Clinch Nuts, Board Side	10.18	8.77	7.07	6.70
636-172-E50-213R011	172-E50-213R011	50	Female	.098" Clinch Nuts, Board Side	12.70	10.94	8.82	8.35
636-172-E50-213R021	172-E50-213R021	50	Female	.250" Clinch Nuts, Board Side	12.70	10.94	8.82	8.35

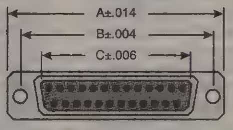
Wire Wrap

For quantities of 500 and up, call for quote.

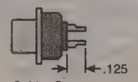
636-172-009-142R001	172-009-142R001	9	Male	- - -	3.09	2.67	2.15	2.03
636-172-009-242R001	172-009-242R001	9	Female	- - -	3.73	3.22	2.58	2.45
636-172-009-142R011	172-009-142R011	9	Male	.098" Clinch Nuts, Board Side	4.05	3.50	2.81	2.66
636-172-009-242R011	172-009-242R011	9	Female	.098" Clinch Nuts, Board Side	4.69	4.04	3.25	3.08
636-172-009-242R021	172-009-242R021	9	Female	.250" Clinch Nuts, Board Side	4.69	4.04	3.25	3.08
636-172-015-142R001	172-015-142R001	15	Male	- - -	4.72	4.07	3.29	3.11
636-172-015-242R001	172-015-242R001	15	Female	- - -	5.54	4.77	3.84	3.64
636-172-015-142R011	172-015-142R011	15	Male	.098" Clinch Nuts, Board Side	5.68	4.89	3.95	3.74
636-172-015-242R011	172-015-242R011	15	Female	.098" Clinch Nuts, Board Side	6.59	5.59	4.50	4.27
636-172-015-242R021	172-015-242R021	15	Female	.250" Clinch Nuts, Board Side	6.59	5.59	4.50	4.27
636-172-015-242R031	172-015-242R031	15	Female	.250" Clinch Nuts, Mating Side	6.59	5.59	4.50	4.27
636-172-025-142R001	172-025-142R001	25	Male	- - -	6.83	5.88	4.75	4.50
636-172-025-242R001	172-025-242R001	25	Female	- - -	10.94	9.43	7.60	7.20
636-172-025-142R021	172-025-142R021	25	Male	.250" Clinch Nuts, Board Side	7.78	6.71	5.42	5.13
636-172-025-242R021	172-025-242R021	25	Female	.250" Clinch Nuts, Board Side	11.90	10.25	8.27	7.83
636-172-025-242R031	172-025-242R031	25	Female	.250" Clinch Nuts, Mating Side	11.90	10.25	8.27	7.83
636-172-037-242R001	172-037-242R001	37	Female	- - -	12.22	10.53	8.49	8.05
636-172-037-242R021	172-037-242R021	37	Female	.250" Clinch Nuts, Board Side	13.17	11.35	9.16	8.68

Dimensional Drawing

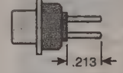
No. of Positions	Dimensions: in.		
	A	B	C
09	1.213	0.984	0.666
15	1.543	1.312	0.944
25	2.087	1.852	1.534
37	2.732	2.500	2.181
50	2.638	2.406	2.079



Termination

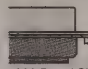


Solder Cup

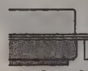


DIP Solder

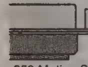
Clinch Nut Hardware



.098 Board Side



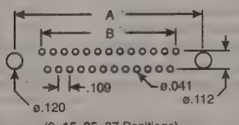
.250 Board Side



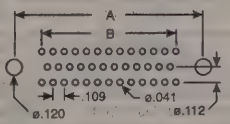
.250 Mating Side

Foot Print

No. of Positions	Dimensions (In.)	
	A	B
09	.984	.433
15	1.312	.757
25	1.852	1.305
37	2.500	1.957
50	2.406	1.740



(9, 15, 25, 37 Positions)



(50 Positions)

NORCOMP D-Subminiature Backshells

D-SUB BACKSHELLS

- Perimeter sealing lips for secure assembly
- Die Cast Material: Lightweight zinc
- Die Cast Plating: Nickel over copper or black chromate
- Metalized Plastic Material: High temperature plastic UL94V-0
- Metalized Plastic Plating: Nickel over copper
- Plastic Material: High temperature plastic UL94V-2
- RoHS Compliant per NorComp documentation

RoHS Compliant

970 and 971 Series Backshells

- Kit includes: (2) Backshell Halves, (2) 4-40 Thumbscrews, (2) Housing Screws, 2 pc. Grommet - Various sizes
- Fully tapped assembly holes allow easy assembly

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Type	Price Each			
					1	10	50	100
Straight/Top Entry - 970 Series								
636-970-009-030R121	970-009-030R121	A	9	Die Cast - Nickel	5.22	4.50	3.63	3.24
636-970-009-040R011	970-009-040R011	A	9	Die Cast - Black	5.32	5.08	4.60	4.36
636-970-009-020R121	970-009-020R121	A	9	Metallized Plastic	4.87	4.20	3.38	3.20
636-970-009-010R011	970-009-010R011	A	9	Black Plastic	2.38	2.05	1.65	1.57
636-970-015-030R121	970-015-030R121	A	15	Die Cast - Nickel	6.21	5.35	4.31	3.85
636-970-015-040R011	970-015-040R011	A	15	Die Cast - Black	6.12	5.84	5.28	5.00
636-970-015-020R121	970-015-020R121	A	15	Metallized Plastic	5.08	4.37	3.53	3.35
636-970-015-010R011	970-015-010R011	A	15	Black Plastic	2.38	2.05	1.65	1.57
636-970-025-030R121	970-025-030R121	A	25	Die Cast - Nickel	6.21	5.35	4.31	3.85
636-970-025-040R011	970-025-040R011	A	25	Die Cast - Black	6.12	5.84	5.28	5.00
636-970-025-020R121	970-025-020R121	A	25	Metallized Plastic	5.28	4.55	3.67	3.47
636-970-025-010R011	970-025-010R011	A	25	Black Plastic	2.49	2.15	1.73	1.64
636-970-037-030R121	970-037-030R121	A	37	Die Cast - Nickel	9.54	8.22	6.63	6.28
636-970-037-040R011	970-037-040R011	A	37	Die Cast - Black	8.95	8.55	7.73	7.33
636-970-037-020R121	970-037-020R121	A	37	Metallized Plastic	5.86	5.05	4.07	3.85
636-970-037-010R011	970-037-010R011	A	37	Black Plastic	2.58	2.22	1.79	1.69
45° Entry - 971 Series								
636-971-009-030R121	971-009-030R121	B	9	Die Cast - Nickel	5.22	4.50	3.38	3.20
636-971-009-040R011	971-009-040R011	B	9	Die Cast - Black	5.32	5.08	4.60	4.36
636-971-009-020R121	971-009-020R121	B	9	Metallized Plastic	4.87	4.20	3.85	3.25
636-971-009-010R011	971-009-010R011	B	9	Black Plastic	2.38	2.05	1.65	1.57
636-971-015-030R121	971-015-030R121	B	15	Die Cast - Nickel	6.21	5.35	4.31	4.09
636-971-015-040R011	971-015-040R011	B	15	Die Cast - Black	6.12	5.84	5.28	5.00
636-971-015-020R121	971-015-020R121	B	15	Metallized Plastic	5.08	4.37	3.53	3.35
636-971-015-010R011	971-015-010R011	B	15	Black Plastic	2.38	2.05	1.65	1.57
636-971-025-030R121	971-025-030R121	B	25	Die Cast - Nickel	6.21	5.35	4.31	4.09
636-971-025-040R011	971-025-040R011	B	25	Die Cast - Black	6.12	5.84	5.28	5.00
636-971-025-020R121	971-025-020R121	B	25	Metallized Plastic	5.28	4.55	3.67	3.47
636-971-025-010R011	971-025-010R011	B	25	Black Plastic	2.49	2.15	1.73	1.64
636-971-037-030R121	971-037-030R121	B	37	Die Cast - Nickel	9.48	8.17	6.59	6.25
636-971-037-040R011	971-037-040R011	B	37	Die Cast - Black	8.12	7.75	7.01	6.64
636-971-037-020R121	971-037-020R121	B	37	Metallized Plastic	5.86	5.05	4.07	3.85

Plastic Slim Line Clam Shell Style Backshells - Straight/Top Entry - 972 Series

- Kit includes: (1) Backshell, (2) 4-40 Thumbscrews, (1) Plastic Strain Relief, (1) Metal Strain Relief Clamp, (2) Strain Relief Screws
- Fast assembly cable clamp with high quality self-tapping screws
- "Slim Line" version for critical space requirements
- One piece clam construction aids assembly

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Plastic Color	Price Each			
					1	10	50	100
636-972-009-01SR011	972-009-01SR011	C	9	Black	2.64	2.27	1.82	1.64
636-972-009-01SR031	972-009-01SR031	C	9	Gray	2.64	2.27	1.82	1.73
636-972-009-01SR061	972-009-01SR061	C	9	Red	2.64	2.27	1.82	1.73
636-972-009-01SR081	972-009-01SR081	C	9	Yellow	2.64	2.27	1.82	1.73
636-972-015-01SR011	972-015-01SR011	C	15	Black	2.78	2.40	1.94	1.84
636-972-015-01SR031	972-015-01SR031	C	15	Gray	2.78	2.40	1.94	1.84
636-972-025-01SR011	972-025-01SR011	C	25	Black	2.93	2.52	2.03	1.93
636-972-025-01SR031	972-025-01SR031	C	25	Gray	2.93	2.52	2.03	1.93
636-972-025-01SR081	972-025-01SR081	C	25	Yellow	2.90	2.50	2.03	1.93
636-972-037-01SR011	972-037-01SR011	C	37	Black	3.07	2.65	2.13	2.02
636-972-037-01SR031	972-037-01SR031	C	37	Gray	3.07	2.65	2.13	2.02
636-972-037-01SR061	972-037-01SR061	C	37	Red	3.10	2.67	2.13	2.02
636-972-037-01SR081	972-037-01SR081	C	37	Yellow	3.10	2.67	2.13	2.02

Straight/Top Entry Backshells - 973 Series

- Kit includes: (2) Backshell Halves, (2) 4-40 Thumbscrews, (1) Metal Strain Relief Clamp, (2) Strain Relief Screws, (2) Housing Screws
- Metalized plastic provides up to 60 dB shielding

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Type	Price Each			
					1	10	50	100
636-973-009-020R121	973-009-020R121	D	9	Metalized Plastic	6.53	5.62	4.54	4.30
636-973-009-010R011	973-009-010R011	D	9	Black Plastic	3.45	2.97	2.39	2.27
636-973-015-020R121	973-015-020R121	D	15	Metalized Plastic	6.76	5.82	4.69	4.45
636-973-015-010R011	973-015-010R011	D	15	Black Plastic	3.65	3.15	2.55	2.41
636-973-025-020R121	973-025-020R121	D	25	Metalized Plastic	6.93	5.97	4.81	4.55
636-973-025-010R011	973-025-010R011	D	25	Black Plastic	3.83	3.30	2.66	2.52
636-973-037-020R121	973-037-020R121	D	37	Metalized Plastic	9.37	8.07	6.50	6.16
636-973-037-010R011	973-037-010R011	D	37	Black Plastic	4.64	4.00	3.23	3.06

Flat Ribbon Backshells - 976 Series

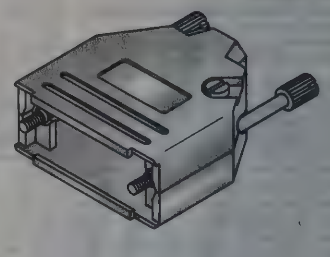
- Kit includes: (2) Backshell Halves, (2) 4-40 Retention Screws, (2) Housing Screws, (2) Housing Nuts
- Works with most industry standard IDC Ribbon D-Sub Connectors
- Material: ABS High temperature plastic
- Integral strain relief built into backshell

RoHS Compliant

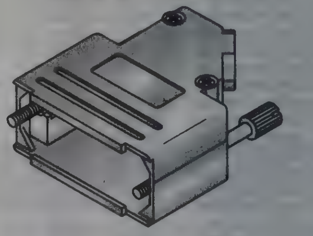
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Type	Price Each			
					1	10	50	100
636-976-009-010R031	976-009-010R031	E	9	Gray Plastic	1.47	1.26	1.03	.97
636-976-015-010R031	976-015-010R031	E	15	Gray Plastic	1.67	1.43	1.16	1.10
636-976-025-010R031	976-025-010R031	E	25	Gray Plastic	1.93	1.66	1.35	1.28
636-976-037-010R031	976-037-010R031	E	37	Gray Plastic	2.07	1.78	1.44	1.37

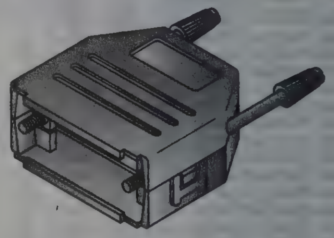
A



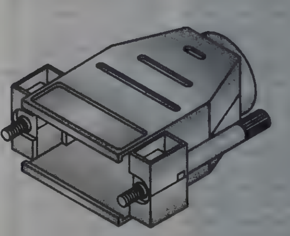
B



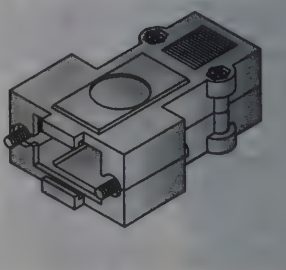
C



D



E



NORCOMP D-Sub Backshells and Hardware

NorComp
A DIVISION OF EDAC (AMERICA) LIMITED

D-SUB BACKSHELLS

Straight/Top Entry Backshells - 978 Series

- RoHS Compliant per NorComp documentation.

RoHS Compliant

- Kit Includes: (2) Backshell Halves, (2) 4-40 Mounting Screws, (2) Saddle Washers, (2) Housing Screws, (2) 4-40 Housing Nuts, (1) Strain Relief Threaded Rod
- Metallized plastic provides up to 60 dB shielding.
- Metallized Plastic Material: High temperature - UL94H-B
- Plastic: High temperature plastic - UL94H-B
- Strain Relief design ensures secure fit no matter what cable diameter is used.
- Metallized Plastic Plating: Chrome
- Perimeter sealing lips for secure assembly.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NorComp Part No.	Fig.	D-Sub Size	Type	Price Each			
					1	10	50	100
636-978-009-010R031	978-009-010R031	A	9	Gray Plastic	1.26	1.09	.87	.78
636-978-009-020R121	978-009-020R121	A	9	Metallized Plastic	1.55	1.34	1.08	1.03
636-978-015-010R031	978-015-010R031	A	15	Gray Plastic	1.33	1.15	.93	.88
636-978-015-020R121	978-015-020R121	A	15	Metallized Plastic	1.78	1.53	1.24	1.17
636-978-025-010R031	978-025-010R031	A	25	Gray Plastic	1.40	1.20	.97	.92
636-978-025-020R121	978-025-020R121	A	25	Metallized Plastic	1.89	1.63	1.31	1.24
636-978-037-010R031	978-037-010R031	A	37	Gray Plastic	1.98	1.71	1.39	1.31
636-978-037-020R121	978-037-020R121	A	37	Metallized Plastic	1.96	1.87	1.69	1.60
636-978-050-010R031	978-050-010R031	A	50	Gray Plastic	2.02	1.74	1.41	1.33
636-978-050-020R121	978-050-020R121	A	50	Metallized Plastic	2.07	1.97	1.79	1.69

Top Entry Backshells - 979 Series

RoHS Compliant

- Kit includes: (2) Backshell Halves, (2) 4-40 Mounting Screws, (2) Saddle Washers, (2) Housing Screws, (2) 4-40 Housing Nuts, (1) Grommet Tree - Various Sizes
- Die Cast Zinc backshell is nickel plated for over 70 dB shielding
- Perimeter sealing lips for secure assembly
- Backshell cable entry designed for sure grip on cable jacket or grommet and provide proper strain relief
- Non-conductive grommet/strain relief supplied to enhance EMI/RFI shielding

For quantities of 500 and up, call for quote.

636-979-009-030R121	979-009-030R121	B	9	Die Cast - Nickel	2.44	2.10	1.69	1.51
636-979-015-030R121	979-015-030R121	B	15	Die Cast - Nickel	2.78	2.39	1.92	1.72
636-979-025-030R121	979-025-030R121	B	25	Die Cast - Nickel	3.41	2.93	2.38	2.25
636-979-037-030R121	979-037-030R121	B	37	Die Cast - Nickel	5.08	4.38	3.53	3.35
636-979-050-030R121	979-050-030R121	B	50	Die Cast - Nickel	7.22	6.22	5.02	4.75

Straight/90° Backshells - 982 Series

RoHS Compliant

- Kit includes: (2) Backshell Halves, (2) 4-40 Mounting Screws, (2) Strain Relief Clamps, (2) Strain Relief Screws, (1) Compression Spring, (1) Cable Slot Shut-Off, (1) Cable Slot Feed-Thru, (3) Housing Screws
- Metallized plastic provides up to 60 dB shielding.
- Metallized Plastic Material: High temperature - UL94V-0
- Separate strain relief mechanism is useable in either top or 90 degree entry.
- Perimeter sealing lips for secure assembly.
- Metallized Plastic Plating: Electro-plated nickel over copper
- Gray Plastic Material: High temperature plastic - UL94V-0
- RoHS Compliant per NorComp documentation

For quantities of 500 and up, call for quote.

*636-982-009-010R031	982-009-010R031	C	9	Gray Plastic	4.12	3.10	2.87	2.72
*636-982-009-020R121	982-009-020R121	C	9	Metallized Plastic	6.48	5.50	5.23	4.95
636-982-015-010R031	982-015-010R031	C	15	Gray Plastic	4.54	3.44	3.27	3.10
636-982-015-020R121	982-015-020R121	C	15	Metallized Plastic	7.75	6.58	6.25	5.92
636-982-025-020R121	982-025-020R121	C	25	Metallized Plastic	7.92	7.00	6.65	6.30
636-982-050-010R031	982-050-010R031	C	50	Gray Plastic	5.25	4.28	4.07	3.85
636-982-050-020R121	982-050-020R121	C	50	Metallized Plastic	9.78	9.02	8.57	8.12

*9 position does not have 90 degree cable entry.

Straight Snap Backshells - 983 Series

RoHS Compliant

- Kit includes: (2) Backshell Halves, (2) 4-40 Mounting Screws, (2) Saddle Washers, (1) Yoke, (2) Strain Relief Clamps, (2) Strain Relief Screws
- Metallized plastic provides up to 60 dB shielding
- Cable Clamp with self-tapping screws provide positive strain relief
- Gray Plastic Material: ABS Plastic - UL94V-0
- Metallized Plastic Material: ABS Plastic - UL94V-0
- Perimeter sealing lips for secure assembly
- Metallized Plastic Plating: Chrome
- May be used as "Gender Changer", pin-out changer or standard cable entry backshell

For quantities of 500 and up, call for quote.

636-983-009-010R031	983-009-010R031	D	9	Gray Plastic	1.27	1.09	.87	.83
636-983-009-020R121	983-009-020R121	D	9	Metallized Plastic	1.99	1.71	1.39	1.31
636-983-015-010R031	983-015-010R031	D	15	Gray Plastic	1.51	1.30	1.05	.99
636-983-015-020R121	983-015-020R121	D	15	Metallized Plastic	2.13	1.84	1.48	1.40
636-983-025-010R031	983-025-010R031	D	25	Gray Plastic	1.45	1.39	1.25	1.19
636-983-025-020R121	983-025-020R121	D	25	Metallized Plastic	2.73	2.35	1.90	1.80
636-983-050-020R121	983-050-020R121	D	50	Metallized Plastic	4.34	3.73	3.00	2.84

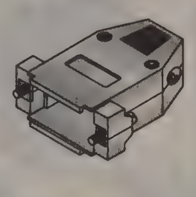
D-SUB HARDWARE

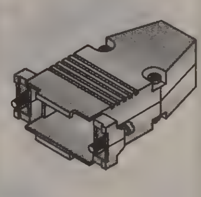
* Not RoHS Compliant

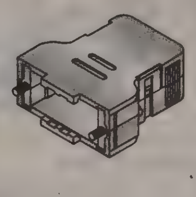
RoHS Compliant

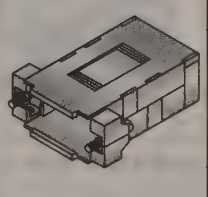
For quantities of 500 and up, call for quote.

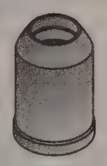
MOUSER STOCK NO.	NorComp Part No.	Fig.			Description	Price Each			
						1	10	50	100
Non-conductive Rubber Grommets									
636-162-000-925R000	162-000-925R000	E			0.400" outside diameter	.44	.38	.29	.27
636-162-000-037R000	162-000-037R000	E			0.620" outside diameter	1.10	.95	.90	.85
Dust Covers • Material: Clear P.E.									
636-160-000-109R000	160-000-109R000	F			9 Pin, Male	.55	.48	.40	.38
636-160-000-209R000	160-000-209R000	F			9 Pin, Female	.54	.46	.40	.38
636-160-000-115R000	160-000-115R000	F			15 Pin, Male	.55	.48	.40	.38
636-160-000-215R000	160-000-215R000	F			15 Pin, Female	.81	.70	.63	.59
636-160-000-125R000	160-000-125R000	F			25 Pin, Male	.58	.50	.44	.41
636-160-000-225R000	160-000-225R000	F			25 Pin, Female	.52	.45	.40	.38
4-40 Female Coupling Nuts									
636-160-000-006R032	160-000-006R032	G			Nickel Plating	.17	.16	.14	.12
4-40 Male Screwlock w/ Slip-On Retainer									
636-160-000-001R031	160-000-001R031	H			Nickel Plating	1.13	.97	.86	.81
4-40 Male Screwlock w/ Clip-On Retainer									
636-160-000-002R031	160-000-002R031	H			Nickel Plating	.62	.59	.56	.53
Plastic Retaining Clip									
*636-163-001-000-000	*163-001-000-000	I			for retaining connectors to PC .062" board	.20	.15	.14	.13
4-40 Female Screwlock Assembly			Dim. A	Dim. B					
636-160-000-010R031	160-000-010R031	J	0.187	0.312	Nickel Plating	.70	.60	.53	.43
636-160-000-011R031	160-000-011R031	J	0.187	0.625	Nickel Plating	.93	.80	.68	.65
636-160-000-012R031	160-000-012R031	J	0.25	0.156	Nickel Plating	.75	.65	.57	.54
636-160-000-013R031	160-000-013R031	J	0.197	0.197	Nickel Plating	.67	.57	.51	.49
636-160-000-015R031	160-000-015R031	J	0.197	0.323	Nickel Plating	.64	.55	.48	.45
636-160-000-016R031	160-000-016R031	J	0.197	0.433	Nickel Plating	.75	.65	.59	.56
636-160-000-017R031	160-000-017R031	J	0.197	0.52	Nickel Plating	.64	.55	.48	.45
636-160-000-018R031	160-000-018R031	J	0.197	0.669	Nickel Plating	.90	.77	.68	.55
Thumbscrews for Standard Backshells									
636-160-000-050R031	160-000-050R031	K			4-40 Thumbscrew, Nickel Plating	.23	.20	.16	.14
636-160-000-060R031	160-000-060R031	L			2.6mm Thumbscrew, Nickel Plating	.70	.60	.53	.50

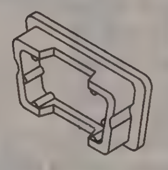
A


B


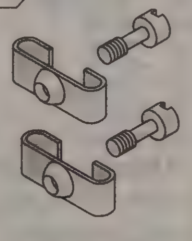
C


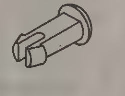
D


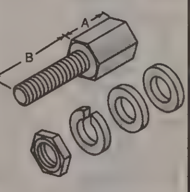
E


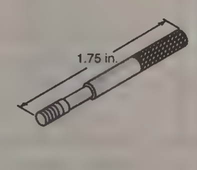
F


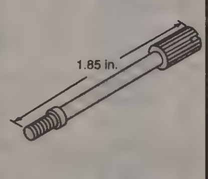
G

H


I


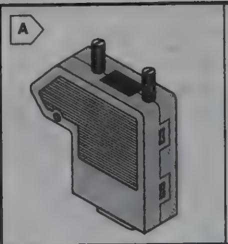
J


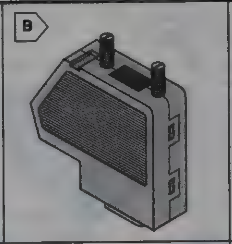
K


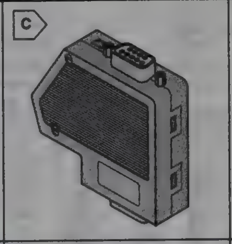
L


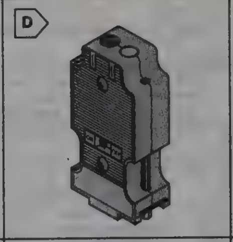
PHOENIX CONTACT D-Sub Connectors

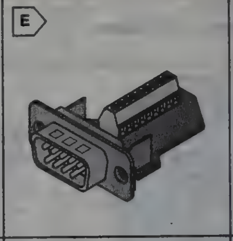
PHOENIX CONTACT
INSPIRING INNOVATIONS

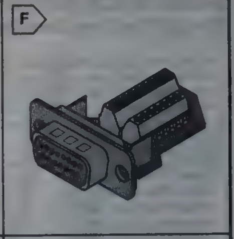
A


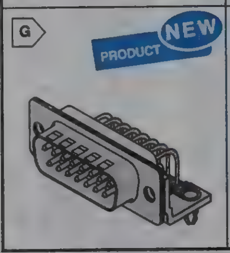
B


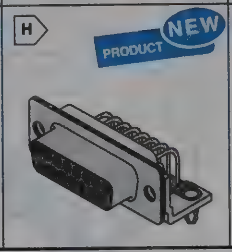
C


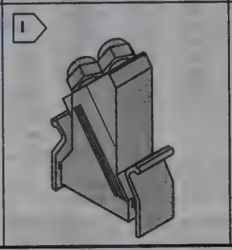
D


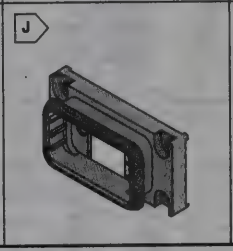
E


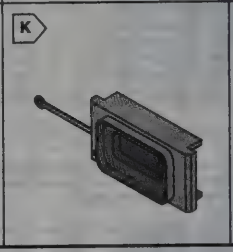
F


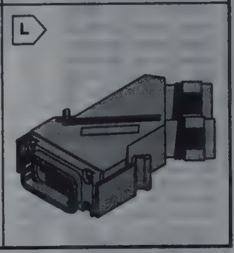
G


H


I


J


K


L


SUBCON D-SUB CONNECTORS

Phoenix Contact's SUBCON products provides a means to make D-SUB assemblies without the hassle of soldering or crimping. The SUBCON product provides connection from the pins of a D-SUB connector to individual screw actuated terminal blocks all in a D-SUB clamshell housing. This means that the only tool required to configure a cable is a screwdriver.

- EMI/RFI Shielded, secure connection of cable assembly to mating receptacle.
- Cable feed-in is designed for one cable.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	No. of Contacts	Type	Description	Price Each		
Mfr.	Mfr. Part No.						1	10	25
651	2761499	A	SUBCON 9/F-SH	9	Female	1 Cable entry, INTERBUS, RS-232	40.96	39.69	38.43
651	2761509	A	SUBCON 9/M-SH	9	Male	1 Cable entry, INTERBUS, RS-232	40.96	39.69	38.43
651	2761596	A	SUBCON 15/F-SH	15	Female	1 Cable entry, TTY(CL), RS-422	41.05	39.77	38.57
651	2761606	A	SUBCON 15/M-SH	15	Male	1 Cable entry, TTY(CL), RS-422	41.05	39.77	38.57
651	2761619	A	SUBCON 25/F-SH	25	Female	1 Cable entry, RS-232	45.74	44.31	42.97
651	2761622	A	SUBCON 25/M-SH	25	Male	1 Cable entry, RS-232	45.74	44.31	42.97
651	2300986	A	SUBCON 37/F-SH	37	Female	1 Cable entry	49.57	48.02	46.56
651	2300973	A	SUBCON 37/M-SH	37	Male	1 Cable entry	49.57	48.02	46.56

SUBCON-PLUS D-SUB CONNECTORS

- SUBCON-PLUS is for applications where 2 cable feed-ins are required.
- SUBCON-PLUS-PROFIB is designed for use in Profibus systems up to 12 Mbit/s.
- Number of Contacts: 9
- PROFIBUS-Terminating resistor is already integrated in all versions.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pin Assignment	Type	Description	Price Each		
Mfr.	Mfr. Part No.						1	10	25
651	2761826	B	SUBCON-PLUS M1	1, 2, 3, 5, 6, 8	Male	2 Feed-Ins, MODBUS, BITBUS	35.38	34.28	33.24
651	2744267	B	SUBCON-PLUS-F1	1, 2, 3, 5, 6, 8	Female	2 Feed-ins, MODBUS, BITBUS	35.38	34.28	33.24
651	2761839	B	SUBCON-PLUS M2	2, 3, 4, 5, 7, 9	Male	2 Feed-Ins, SUCONET, S-BUS	35.38	34.28	33.24
651	2799490	B	SUBCON-PLUS-F2	2, 3, 4, 5, 7, 9	Female	2 Feed-Ins, SUCONET, S-BUS	67.01	64.92	62.95
651	2744348	C	SUBCON-PLUS-PROFIB	3, 8	Male	2 Entries, Profibus with 12 Mbit/s	36.81	35.66	34.58
651	2744377	D	SUBCON-PLUSPROFIBAX	3, 6, 5, 8	Male	Axial version, Profibus with 12 Mbit/s	36.81	35.66	34.58
651	2744380	D	SUBCNPLUSPROFIBAXSC	3, 6, 5, 8	Male	Axial, Profibus with 12 Mbit/s Screw	36.81	35.66	34.58

VARIOSUB D-SUB CONNECTORS

VARIOSUB-D-SUB is the IP67 protected plug connector range with commercially available D-SUB contact inserts.

- Male and female insert format enable 9,15, or 25 data lines and cable shields to be connected.
- VARIOSUB housings offer space and time-saving Push-Pull locking which snaps with a noticeable click.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	No. of Contacts	Type	Description	Price Each		
Mfr.	Mfr. Part No.						1	10	25
651	1688379	E	VS-09STDSUB/9MPT-0.5	9	Male	Contact insert with PCB and MPT 0.5	21.04	20.38	19.76
651	1688395	F	VS-09BUDSUB/9MPT-0.5	9	Female	Contact insert with PCB and MPT 0.5	21.76	21.08	20.44
651	1688078	E	VS-15STDSUB/15MPT0.5	15	Male	Contact insert with PCB and MPT 0.5	24.06	23.31	22.60
651	1688094	F	VS-15BUDSUB/15MPT0.5	15	Female	Contact insert with PCB and MPT 0.5	25.02	24.24	23.51
651	1689789	E	VS-25STDSUB/25MPT0.5	25	Male	Contact insert with PCB and MPT 0.5	27.32	26.46	25.66
651	1689776	F	VS-25BUDSUB25MPT0.5	25	Female	Contact insert with PCB and MPT 0.5	27.46	26.60	25.79
651	1688382	G	VS-09-ST-DSUB-ER	9	Male	Contact insert with angled solder pins, thread	8.23	7.98	7.73
651	1688405	H	VS-09-BU-DSUB-ER	9	Female	Contact insert with angled solder pins, thread	9.93	9.62	9.32
651	1688081	G	VS-15-ST-DSUB-ER	15	Male	Contact insert with angled solder pins, thread	10.80	10.47	10.15
651	1688120	H	VS-15-BU-DSUB-ER	15	Female	Contact insert with angled solder pins, thread	14.99	14.52	14.08
651	1689873	G	VS-25-ST-DSUB-ER	25	Male	Contact insert with angled solder pins, thread	13.34	12.92	12.53
651	1689886	H	VS-25-BU-DSUB-ER	25	Female	Contact insert with angled solder pins, thread	15.24	14.76	14.32
651	1688353	I	VS-09-T-2M16	9	- - -	Plastic sleeve housing with push-pull lock	5.93	5.75	5.57
651	1688052	I	VS-15-T-2PG11	15	- - -	Plastic sleeve housing with push-pull lock	8.08	7.83	7.59
651	1689792	I	VS-25-T-2M20	25	- - -	Plastic sleeve housing with push-pull lock	8.59	8.32	8.07
651	1688366	J	VS-09-A	9	- - -	Plastic panel mounting base	5.67	5.49	5.33
651	1688036	J	VS-15-A	15	- - -	Plastic panel mounting base	6.59	6.38	6.19
651	1689750	J	VS-25-A	25	- - -	Plastic panel mounting base	8.11	7.86	7.62
651	1887086	K	VS-09-SD	9	- - -	Protective cover	11.47	11.11	10.77
651	1887099	K	VS-15-SD	15	- - -	Protective cover	12.56	12.17	11.80
651	1652211	K	VS-25-SD	25	- - -	Protective cover	6.77	6.56	6.36
651	1688450	-	VS-M16 (3-6)	-	- - -	M16 nut cap for 3-6mm wire	3.92	3.75	3.54
651	1688447	-	VS-M16 (5-9)	-	- - -	M16 nut cap for 5-9mm wire	3.92	3.75	3.54
651	1688117	-	VS-PG 11(3-7)	-	- - -	PG nut cap for 3-7mm wire	1.93	1.87	1.81
651	1688104	-	VS-PG 11(5-10)	-	- - -	PG nut cap for 5-10mm wire	1.93	1.87	1.81
651	1652127	-	VS-M20 (5-13)	-	- - -	M20 nut cap for 5-13mm wire	3.38	3.27	3.17
Shielded Housing Kits									
651	1689158	L	VS-09-SET-EMV	9	- - -	D-Sub 9 EMC shielded housing set for contact insert	29.25	28.34	27.48
651	1689132	L	VS-15-SET-EMV	15	- - -	D-Sub 15 EMC shielded housing set for contact insert	32.82	31.79	30.83
651	1652208	L	VS-25-SET-EMV	25	- - -	D-Sub 25 EMC shielded housing set for contact insert	35.31	34.21	33.17

SPECTRUM CONTROL Ferrite Filtered D-Sub Connectors

RoHS Compliant **This page of product is compliant.**

SPECTRUM CONTROL INC

SERIES 400 FERRITE FILTERED CONNECTORS

The Series 400 Ferrite Filtered Connector is designed as a low cost EMI solution for high frequency interference. The space saving connectors incorporate a solid slab of ferrite material as the filtering element.

Features:

- Prevents common-mode noise in signal lines of data communication terminals and digital devices
- Drop In replacements for standard .318" D-Sub connectors
- Replaces individual ferrite beads, saving cost and space
- Effective in helping meet requirements of FCC, VDE, EN55022 and Japan's VCCI
- RoHS Compliant per Spectrum Control documentation

Specifications:

- Operating Temperature: –40°C to +105°C
- Frequency Range: 10 – 300 MHz
- Current Rating: 5 Amps
- Dielectric Withstand Voltage: 1000 VAC for one min
- Shell: Steel (Tin Plated)
- Plug Contacts: Brass
- Recept. Contacts: Phosphor Bronze
- Contact Plated: Gold Flash

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Type	No. of Contacts	Typ. Impedance (Ω)		Price Each		
					25 MHz	100 MHz	1	5	10
657-56F402-001	56F402-001	A	Plug	9	30	50	2.56	2.43	2.31
657-56F404-001	56F404-001	B	Receptacle	9	30	50	2.56	2.43	2.31
657-56F422-001	56F422-001	A	Plug	25	30	50	3.72	3.54	3.35
657-56F424-001	56F424-001	B	Receptacle	25	30	50	3.19	3.03	2.87

SERIES 700 HIGH PERFORMANCE FILTERED CONNECTORS

Spectrum Control Series 700 Connectors offer the highest performance filtering for all types of professional applications.

Features:

- One piece diecast housing design
- Tubular capacitor filtering provides effective performance through 10 GHz
- UL Recognized: File #E149046
- RoHS Compliant per Spectrum Control documentation

Specifications:

- Shell: Zinc diecast, nickel plated
- Contacts: Copper alloy
- Plug Contacts: 15μ" Gold plated over nickel
- Receptacle Contacts: 30μ" Gold plated over nickel
- Temperature: -55°C to +125°C
- Current Rating: 5 Amps
- Contact Resistance: 10MΩ maximum

RoHS Compliant

Connectors

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Type	No. of Contacts	EMI Filter Capacitance Value	Price Each		
						1	5	10
Printed Circuit Board Right Angle Mount								
657-56F702-005	56F702-005	D	Plug	9	4000 pF Pi	41.16	39.10	37.04
657-56F712-005	56F712-005	D	Plug	15	4000 pF Pi	55.42	52.65	49.88
657-56F714-005	56F714-005	E	Receptacle	15	4000 pF Pi	57.54	54.66	51.79
657-56F722-005	56F722-005	D	Plug	25	4000 pF Pi	83.56	79.38	75.20
657-56F724-005	56F724-005	E	Receptacle	25	4000 pF Pi	86.94	82.59	78.25
Solder Cup Termination								
657-56F701-013	56F701-013	F	Plug	9	1000 pF Pi	36.40	34.58	32.76
657-56F701-015	56F701-015	F	Plug	9	4000 pF Pi	39.64	37.66	35.67
657-56F706-001	56F706-001	G	Receptacle	9	310 pF Pi	40.06	38.06	36.05
657-56F706-005	56F706-005	G	Receptacle	9	4000 pF Pi	49.54	47.18	44.82
657-56F711-013	56F711-013	F	Plug	15	1000 pF Pi	49.50	47.03	44.55
657-56F716-003	56F716-003	G	Receptacle	15	1000 pF Pi	59.34	56.37	53.41
657-56F721-013	56F721-013	F	Plug	25	1000 pF Pi	75.54	71.76	67.99
657-56F721-015	56F721-015	F	Plug	25	4000 pF Pi	83.18	79.02	74.86
657-56F726-003	56F726-003	G	Receptacle	25	1000 pF Pi	88.44	84.02	79.60
657-56F726-005	56F726-005	G	Receptacle	25	4000 pF Pi	97.48	92.61	87.73
657-56F731-013	56F731-013	F	Plug	37	1000 pF Pi	111.62	106.04	100.46

Plug/Receptacle Adapter

In-line design allows EMI/RFI filtering to be added externally to equipment. Utilizes existing D-Sub connectors. No gender changer required. Offers same protection as soldered in filters.

- RoHS Compliant per Spectrum Control documentation

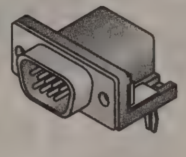
✱ LI Suffix=4-40 UNC Inserts

RoHS Compliant

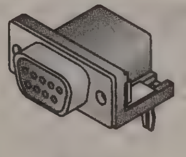
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	No. of Contacts	EMI Filter Capacitance Value	Price Each		
					1	5	10
657-56F705-001	56F705-001	H	9	310 pF Pi	34.12	32.41	30.70
657-56F705-008	56F705-008	H	9	830 pF Pi	28.00	26.60	25.20
657-56F705-003	56F705-003	H	9	1000 pF Pi	38.16	36.25	34.34
657-56F705-005	56F705-005	H	9	4000 pF Pi	40.03	38.12	36.21
657-56F715-001	56F715-001	H	15	310 pF Pi	45.82	43.53	41.24
657-56F715-003	56F715-003	H	15	1000 pF Pi	49.50	47.03	44.55
657-56F715-005	56F715-005	H	15	4000 pF Pi	58.04	55.14	52.24
657-56F725-001	56F725-001	H	25	310 pF Pi	69.30	65.84	62.37
657-56F725-003	56F725-003	H	25	1000 pF Pi	79.20	75.24	71.28
657-56F725-005	56F725-005	H	25	4000 pF Pi	87.32	83.16	79.00
657-56F735-003-LI	✱56F735-003-LI	H	37	1000 pF Pi	115.54	109.76	103.99
657-56F735-005	56F735-005	H	37	4000 pF Pi	123.14	116.98	110.83

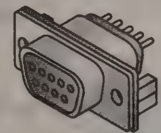
A



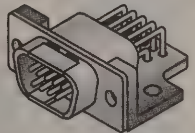
B



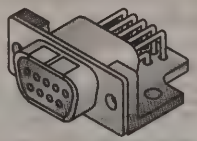
C



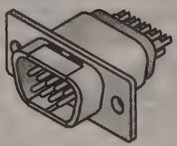
D



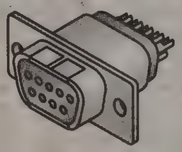
E



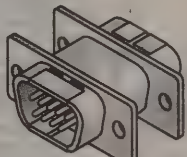
F



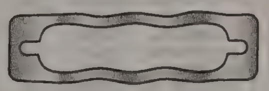
G



H



I



WAVED METAL GASKETS

Waved metal gaskets adjust for mounting surface irregularities, resulting in optimum filtering performance.

RoHS Compliant

Specifications:

- Material: Beryllium Copper
- Finish: Electro Tin Plate
- Material Thickness: .005" Compresses
- Wave Length: .030"
- RoHS compliant per Spectrum Control documentation

Front Mounted Plug or Receptacle Connector, Rear Mounted Plug

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Shell Size	Price Each		
				1	5	10
657-572019-100-NI	572019-00100-NI	I	9	1.54	1.47	1.39
657-572019-101-NI	572019-00101-NI	I	15	1.76	1.68	1.55
657-572019-102-NI	572019-00102-NI	I	25	2.16	2.06	1.96
657-572019-103-NI	572019-00103-NI	I	37	2.88	2.74	2.55

Rear Mounted Receptacle Only

For quantities of 25 and up, call for quote.

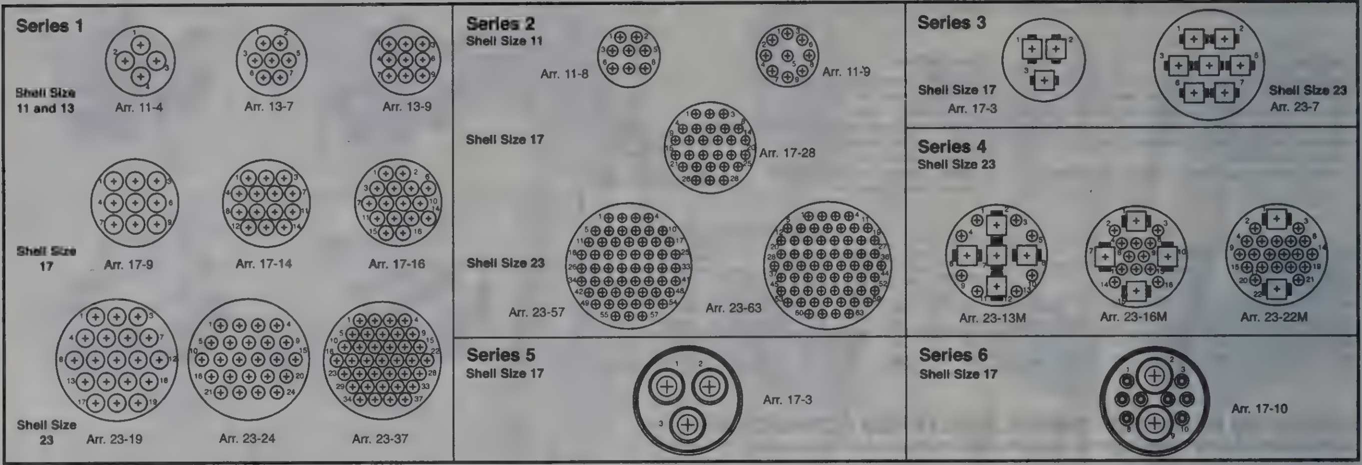
MOUSER STOCK NO.	Spectrum Control Part No.	Fig.	Shell Size	Price Each		
				1	5	10
657-572019-105-NI	572019-00105-NI	I	9	1.53	1.46	1.39
657-572019-106-NI	572019-00106-NI	I	15	1.77	1.68	1.60
657-572019-107-NI	572019-00107-NI	I	25	2.15	2.05	1.95
657-572019-108-NI	572019-00108-NI	I	37	2.88	2.74	2.61

AMP CPC Connectors

(SERIES 1)

Tyco Electronics
Authorized Distributor

CPC CONTACT ARRANGEMENTS



"SERIES 1" (SIZE 16 CONTACTS)

Standard density, signal and low-current applications using Multimate contacts.

∗ STD. Gender= Pin contacts in receptacle housings, socket contacts in plug housings
∗ REV. Gender= Socket contacts in receptacle housings, pin contacts in plug housings
Pins and sockets must be ordered separately.

Features:

- Housing Material: Black thermoplastic
- Flammability rating: UL94V-0
- .062" pin diameter

Connectors

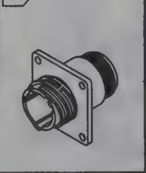
- Molded-in keying: standard configuration: 5 keys.
- Sealed connectors are with pre-installed, bonded peripheral seal, two piece.

Standard Sex Connectors

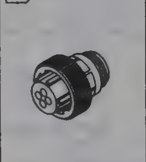
RoHS compliant per Tyco Electronics documentation

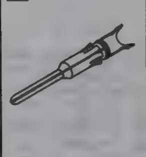
RoHS Compliant

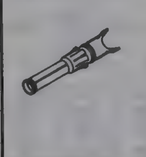
For quantities of 100 and up, call for quote.

A


B

C


D


E


MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Contacts	With Seal	Price Each 1	25	50
Standard Sex Square Flange Receptacles - With Mounting Holes								
571-2060611	206061-1	A	11	4	No	2.14	1.94	1.83
∗571-2114011	211401-1	A	13	7	No	3.92	3.71	3.24
571-2067051	206705-1	A	13	9	No	2.28	2.01	1.95
571-2067053	206705-3	A	13	9	Yes	3.50	3.15	2.91
∗571-2117671	211767-1	A	17	9	No	3.70	3.52	3.17
571-2060364	206036-4	A	17	16	Yes	4.26	3.83	3.54
571-2060361	206036-1	A	17	16	No	2.44	2.17	2.01
∗571-2117711	211771-1	A	23	19	No	4.80	4.45	3.88
571-2068381	206838-1	A	23	24	No	3.03	2.81	2.46
571-2068383	206838-3	A	23	24	Yes	4.34	3.91	3.60
571-2061511	206151-1	A	23	37	No	2.74	2.48	2.34
Standard Sex Free-Hanging Receptacles (For Pin Contacts)								
571-2061531	206153-1	B	11	4	No	2.31	2.09	1.93
571-2067052	206705-2	B	13	9	No	2.32	2.07	1.96
571-2067054	206705-4	B	13	9	Yes	3.62	3.26	3.08
571-2060363	206036-3	B	17	16	No	2.35	2.14	2.01
571-2060365	206036-5	B	17	16	Yes	3.85	3.57	3.12
571-2068382	206838-2	B	23	24	No	5.04	4.54	4.28
571-2068384	206838-4	B	23	24	Yes	5.08	4.71	4.11
571-2061512	206151-2	B	23	37	No	3.05	2.83	2.47
Standard Sex Plugs (For Socket Contacts)								
571-2060601	206060-1	C	11	4	No	2.60	2.35	2.23
∗571-2113991	211399-1	C	13	7	No	3.57	3.36	2.97
571-2067081	206708-1	C	13	9	No	2.84	2.73	2.43
∗571-2117661	211766-1	C	17	9	No	6.00	5.40	5.10
571-2060371	206037-1	C	17	16	No	2.89	2.54	2.47
∗571-2117702	211770-2	C	23	19	No	5.82	5.40	4.71
571-2068371	206837-1	C	23	24	No	3.80	3.65	3.25
571-2061501	206150-1	C	23	37	No	3.46	3.12	2.95

∗ VDE Tested

Reverse Sex Connectors

RoHS compliant per Tyco Electronics documentation

RoHS Compliant

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Contacts	With Seal	Price Each 1	25	50
Reverse Sex Square Flange Receptacles - With Mounting Holes								
571-206430-1	206430-1	A	11	4	No	2.10	1.89	1.79
571-2064303	206430-3	A	11	4	Yes	2.71	2.51	2.19
∗ 571-2113981	211398-1	A	13	7	No	3.45	3.07	2.91
∗ 571-2117691	211769-1	A	17	9	No	3.98	3.60	3.32
571-206043-1	206043-1	A	17	14	No	2.41	2.17	2.01
571-2060434	206043-4	A	17	14	Yes	3.22	2.98	2.61
∗ 571-2117731	211773-1	A	23	19	No	3.83	3.71	3.29
571-2063061	206306-1	A	23	37	No	3.34	3.01	2.84
Reverse Sex Free-Hanging Receptacles (For Socket Contacts)								
571-2064302	206430-2	B	11	4	No	2.10	1.89	1.79
571-2060433	206043-3	B	17	14	No	3.04	2.67	2.53
571-2063062	206306-2	B	23	37	No	4.90	4.41	4.17
Reverse Sex Plugs (For Pin Contacts)								
571-206429-1	206429-1	C	11	4	No	2.52	2.27	2.14
∗ 571-2114001	211400-1	C	13	7	No	3.94	3.46	3.34
∗ 571-211768-1	211768-1	C	17	9	No	4.21	4.00	3.60
571-206044-1	206044-1	C	17	14	No	2.92	2.64	2.50
∗ 571-2117721	211772-1	C	23	19	No	4.88	4.52	3.95
571-206305-1	206305-1	C	23	37	No	3.65	3.38	2.95

∗ VDE Tested

Contacts

E28476 LR7189

Plating:
(a) Bright tin.
(b) Gold flash over nickel with additional gold on mating end.
(c) Nickel with gold on mating end.
(d) Gold gradient over nickel with additional gold on mating end.

RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Size AWG	Wire Insulation Range (In.)	Plating	Price Each 1	100	1000
Pin Contacts								
571-1-66107-1	66107-2	D	26-24	.035 - .055	a	.38	.29	.20
571-661074	66107-4	D	26-24	.035 - .055	b	.52	.46	.42
571-66103-2	66103-2	D	24-20	.040 - .080	a	.27	.25	.23
571-66103-4	66103-4	D	24-20	.040 - .080	b	.47	.42	.38
571-661033	66103-3	D	24-20	.040 - .080	c	.40	.38	.34
571-665664	66566-4	D	24-20	.060 - .120	b	.53	.48	.43
571-664001	66400-1	D	24-20	.080 - .100	a	.47	.42	.38
571-664004	66400-4	D	24-20	.080 - .100	b	.42	.40	.32
571-665911	66591-1	D	22-18	.055 - .110	a	.18	.16	.15
571-665891	66589-1	D	18-16	.080 - .100	a	.20	.18	.17
571-660992	66099-2	D	18-16	.080 - .100	a	.35	.32	.29
571-66099-4	66099-4	D	18-16	.080 - .100	b	.46	.42	.39
571-660993	66099-3	D	18-16	.080 - .100	c	.43	.39	.37
571-660991	66099-1	D	18-16	.080 - .100	d	.79	.71	.67
571-66361-2	66361-2	D	18-14	.080 - .100	a	.45	.42	.37
571-663614	66361-4	D	18-14	.080 - .100	b	.52	.47	.44
571-666021	66602-1	D	18-14	.110 - .150	a	.36	.33	.31
571-66602-2	66602-2	D	18-14	.110 - .150	b	.52	.47	.42
571-2022362	202236-4	D	SolderTab	----	a	1.09	.87	.76
Socket Contacts								
571-66109-2	66109-2	E	26-24	.035 - .055	a	.68	.62	.58
571-661094	66109-4	E	26-24	.035 - .055	b	.62	.55	.50
571-66105-2	66105-2	E	24-20	.040 - .080	a	.32	.29	.27
571-66105-4	66105-4	E	24-20	.040 - .080	b	.56	.51	.47
571-661053	66105-3	E	24-20	.040 - .080	c	.53	.49	.47
571-665654	66565-4	E	24-20	.060 - .120	b	.60	.54	.49
571-663991	66399-1	E	24-20	.080 - .100	a	.42	.39	.34
571-663994	66399-4	E	24-20	.080 - .100	b	.57	.52	.47
571-663992	66399-2	E	24-20	.080 - .100	d	.99	.89	.84
571-665921	66592-1	E	22-18	.055 - .110	a	.20	.18	.17
571-665901	66590-1	E	18-16	.080 - .100	a	.23	.20	.19
571-661012	66101-2	E	18-16	.080 - .100	a	.36	.33	.29
571-66101-4	66101-4	E	18-16	.080 - .100	b	.56	.51	.49
571-66360-2	66360-2	E	18-14	.080 - .100	a	.39	.37	.33
571-66360-4	66360-4	E	18-14	.080 - .100	b	.58	.52	.49
571-666011	66601-1	E	18-14	.110 - .150	a	.43	.39	.35
571-666012	66601-2	E	18-14	.110 - .150	b	.58	.52	.49
571-2022372	202237-2	E	Solder Tab	----	a	.96	.84	.80

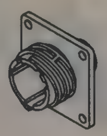
Tools

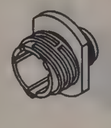
For quantities of 5 and up, call for quote.

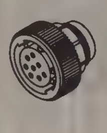
MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-305183	305183	Contact extraction tool	14.28
571-584951	58495-1	28-16 AWG Pro-Crimper II	145.50
571-915191	91519-1	Hand tool 18-14 AWG	520.92
571-90716-1	90716-1	Hand tool 32-28 AWG	5037.20
571-91515-1	91515-1	Hand tool 30-20 AWG	490.28
571-90225-2	90225-2	Hand tool 30-20 AWG	2660.00
571-91542-1	91542-1	Hand tool 24-20 AWG	521.14
571-91523-1	91523-1	Hand tool 24-16 AWG	490.28
571-91505-1	91505-1	Hand tool 24-16 AWG	442.13

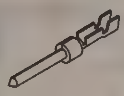
AMP CPC Connectors
(SERIES 2 AND 3)

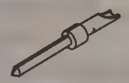
Tyco Electronics
Authorized Distributor

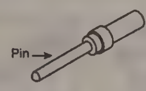
A

Standard

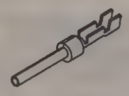
B

Standard

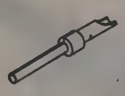
C

Standard

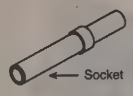
D


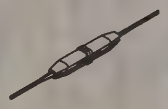
E


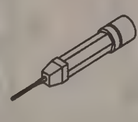
F


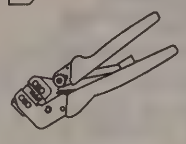
G


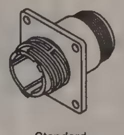
H


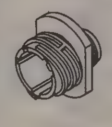
I


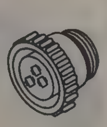
J


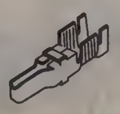
K


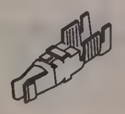
L


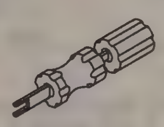
M

Standard

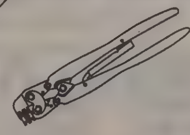
N

Standard

O

Standard

P


Q


R


S


SERIES 2 (SIZE 20 CONTACTS) - HIGH DENSITY

High density applications using size 20 DM (screw machined) and 20 DF (precision formed) contacts.

✱ STD. Gender= Pin contacts in receptacle housings, socket contacts in plug housings
✱ REV. Gender= Socket contacts in receptacle housings, pin contacts in plug housings
Pins and sockets must be ordered separately.

Features:
- Housing Material: Black thermoplastic
- Flammability rating: UL94V-0
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Contacts	Price Each		
					1	25	50
Standard Sex Square Flange Receptacles-w/Mounting Holes							
571-2058411	205841-1	A	11	8	4.01	3.62	3.30
571-2064861	206486-1	A	11	9	4.00	3.35	3.22
571-2058403	205840-3	A	17	28	4.29	3.96	3.51
571-2058431	205843-1	A	23	63	6.54	6.06	5.30
Standard Sex Free-Hanging Receptacles (For Pin Contacts)							
571-2058412	205841-2	B	11	8	4.00	3.71	3.33
571-2064862	206486-2	B	11	9	4.12	3.82	3.34
571-2061521	206152-1	B	17	28	5.21	4.83	4.22
571-2058432	205843-2	B	23	63	6.91	6.40	5.59
Standard Sex Plugs (For Socket Contacts)							
571-2058381	205838-1	C	11	8	4.76	4.42	4.01
571-2064851	206485-1	C	11	9	4.78	4.13	3.99
571-2058393	205839-3	C	17	28	4.92	4.56	4.21
571-2058421	205842-1	C	23	63	8.62	7.76	7.33
Reverse Sex Square Flange Receptacles-w/Mounting Holes							
571-2064331	206433-1	A	11	8	3.92	3.54	3.35
571-2060381	206038-1	A	17	28	4.28	3.97	3.47
571-2064381	206438-1	A	23	57	6.81	6.31	5.51
Reverse Sex Free-Hanging Receptacles (For Socket Contacts)							
571-2064332	206433-2	B	11	8	4.12	3.82	3.34
571-2060382	206038-2	B	17	28	5.25	4.86	4.25
571-2064382	206438-2	B	23	57	10.93	10.13	8.85
Reverse Sex Plugs (For Pin Contacts)							
571-2064341	206434-1	C	11	8	4.66	4.20	3.98
571-2060391	206039-1	C	17	28	6.34	5.71	5.39
571-2064371	206437-1	C	23	57	6.75	6.26	5.95

Contacts

- Plating:
  - (a) Select gold flash over nickel
  - (b) Gold flash over nickel
  - (c) Gold flash over nickel w/ additional gold on mating end
  - (d) Gold over copper
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	AWG	Plating	Type	Price Each		
						1	100	1000
Pin Contacts								
571-665079	66507-9	D	28-24	a	20 DF Crimp	.17	.16	.15
571-665069	66506-9	D	24-20	a	20 DF Crimp	.17	.16	.15
571-1665060	1-66506-0	D	24-20	b	20 DF Crimp	.14	.13	.12
571-665703	66570-3	E	18max	c	20 DF Solder	.24	.23	.22
571-2050891	205089-1	F	24-20	d	20 DM Crimp	.51	.42	.37
Socket Contacts								
571-665059	66505-9	G	28-24	a	20 DF Crimp	.22	.18	.12
571-665049	66504-9	G	24-20	a	20 DF Crimp	.18	.16	.14
571-1665040	1-66504-0	G	24-20	b	20 DF Crimp	.14	.13	.12
571-665693	66569-3	H	18max	c	20 DF Solder	.29	.26	.23
571-2050901	205090-1	I	24-20	d	20 DM Crimp	.47	.42	.40

Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-910672	91067-2	J	Insertion/extraction tool	6.20
571-912851	91285-1	K	Insertion/extraction tool	15.75
571-584482	58448-2	L	Pro-Crimper II Hand tool	145.50

SERIES 3 (TYPE XII CONTACTS) - POWER DENSITY

Power applications with Type XII contacts capable of carrying up to 25 amps of current.

Features:
- Housing Material: Black thermoplastic
- Flammability rating: UL94V-0
- Accommodates 16 to 10 AWG
- RoHS Compliant per Tyco Electronics documentation

E28476 LR7189 RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Contacts	Price Each		
					1	25	50
Standard Sex Square Flange Receptacles With Mounting Holes (For Pin Contacts)							
571-2060362	206036-2	M	17	3	2.96	2.66	2.52
571-206137-1	206137-1	M	23	7	4.54	4.09	3.77
Standard Sex Free-Hanging Receptacles (For Pin Contacts)							
571-206207-1	206207-1	N	17	3	2.96	2.66	2.52
571-2061372	206137-2	N	23	7	4.64	4.18	3.94
Standard Sex Plugs (For Socket Contacts)							
571-2060372	206037-2	O	17	3	3.88	3.49	3.30
571-2061361	206136-1	O	23	7	4.20	3.78	3.57
Reverse Sex Square Flanges Receptacles-w/Mounting Holes (For Socket Contacts)							
571-2064251	206425-1	M	17	3	2.96	2.66	2.52
571-2062271	206227-1	M	23	7	3.68	3.31	3.13
Reverse Sex Free-Hanging Receptacles (For Socket Contacts)							
571-2064252	206425-2	N	17	3	4.02	3.62	3.42
571-2062272	206227-2	N	23	7	3.88	3.66	3.35
Reverse Sex Plugs (For Pin Contacts)							
571-206426-1	206426-1	O	17	3	5.30	4.77	4.51
571-2062261	206226-1	O	23	7	4.26	3.83	3.62

Type XII, Precision Formed, Crimp Power Contacts

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	AWG	Finish	Contact Type	Price Each		
						1	100	1000
571-662592	66259-2	P	10-8	Gold	Pin	5.94	5.35	5.05
571-662591	66259-1	P	10	Tin	Pin	1.99	1.92	1.84
571-662612	66261-2	P	16, 14-12	Gold	Pin	4.17	3.75	3.54
571-66261-1	66261-1	P	16, 14-13	Tin	Pin	1.31	1.18	1.11
571-667416	66741-6	Q	10	Gold	Socket	6.62	6.30	5.14
571-667418	66741-8	Q	10	Tin	Socket	6.24	5.94	5.35
571-667406	66740-6	Q	16, 14-13	Gold	Socket	7.22	6.50	6.13
571-66740-8	66740-8	Q	16, 14-13	Tin	Socket	4.01	3.54	3.02

Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-910193	91019-3	R	Extraction tool	182.58
571-903822	90382-2	S	Certi-Crimp, 12-16 AWG, type XII	618.69
571-903841	90384-1	S	Certi-Crimp, 8-10 AWG, type XII	618.69

AMP CPC Accessories

RoHS Compliant This page of product is compliant.

SHELL SIZE 11 ACCESSORIES

- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

E28476 LR7189

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	25	50
571-1-206062-6	1-206062-6	A	Std cable clamp, screw lth .375"	3.36	3.02	2.86
571-1-206062-4	1-206062-4	A	Std cable clamp, screw lth .500"	3.36	3.02	2.86
571-206358-5	206358-5	B	Large cable clamp	3.36	3.02	2.86
571-1546347-2	1546347-2	C	Right-angle cable clamp w/ cover	6.14	5.85	5.11
571-207489-1	207489-1	D	Flexible cable boot	2.50	2.25	2.13
571-207490-1	207490-1	E	Internal cable grip	2.70	2.43	2.30
571-54010-1	54010-1	F	Heat shrink sealing boot	9.06	8.25	7.39
571-2064031	206403-1	G	Peripheral seal	.59	.53	.51
571-206903-1	206903-1	H	Sealing cap plastic strap	3.50	3.15	2.98
571-208800-1	208800-1	I	Sealing cap metal chain	5.84	5.26	5.01
571-2063041	206304-1	J	Rubber boot	6.98	6.28	5.77
571-2138111	213811-1	K	Replacement coupling ring	1.01	.93	.88
571-207299-1	207299-1	P	Panel mount flange for plug	5.06	4.76	4.17

SHELL SIZE 13 ACCESSORIES

- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

E28476 LR7189

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	25	50
571-206966-7	206966-7	A	Standard cable clamp	3.38	3.04	2.87
571-207008-5	207008-5	B	Large cable clamp	3.58	3.22	3.04
571-1546348-2	1546348-2	C	Right-angle cable clamp w/ cover	6.32	5.53	5.23
571-54123-1	54123-1	F	Heat shrink sealing boot	8.88	7.99	7.55
571-2064034	206403-4	G	Peripheral seal	.88	.79	.75
571-211870-1	211870-1	H	Sealing cap plastic strap	3.18	2.86	2.70
571-2134851	213485-1	I	Sealing cap metal chain	7.02	6.32	5.97
571-2138131	213813-1	K	Replacement coupling ring	1.41	1.27	1.20
571-207299-2	207299-2	P	Panel mount flange for plug	4.25	4.02	3.52

SHELL SIZE 17 ACCESSORIES

- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

E28476 LR7189

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	25	50
571-206070-8	206070-8	A	Standard cable clamp	3.38	3.04	2.87
571-206322-9	206322-9	B	Large cable clamp	3.86	3.47	3.28
571-1546349-2	1546349-2	C	Right-angle cable clamp w/ cover	6.33	5.86	5.22
571-2072411	207241-1	D	Flexible cable boot	4.26	3.83	3.62
571-2073871	207387-1	E	Small internal cable grip	3.48	3.13	2.96
571-2073872	207387-2	E	Large internal cable grip	3.36	3.02	2.86
571-54011-1	54011-1	F	Heat shrink sealing boot	8.72	7.85	7.41
571-2064032	206403-2	G	Peripheral seal	.67	.61	.57
571-207445-1	207445-1	H	Sealing cap plastic strap	3.86	3.47	3.31
571-2086521	208652-1	I	Sealing cap metal chain	5.68	5.11	4.83
571-2138101	213810-1	K	Replacement coupling ring	1.13	1.02	.96
571-2072993	207299-3	P	Panel mount flange for plug	4.22	4.01	3.69

SHELL SIZE 23 ACCESSORIES

- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

E28476 LR7189

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	25	50
571-206138-8	206138-8	A	Standard cable clamp	3.76	3.38	3.20
571-206512-5	206512-5	B	Large cable clamp	4.44	4.00	3.77
571-1546350-2	1546350-2	C	Right-angle cable clamp w/ cover	6.75	6.29	5.53
571-207774-3	207774-3	L	Self-centering cable clamp	5.58	5.02	4.74
571-54012-1	54012-1	F	Heat shrink sealing boot	9.78	8.80	8.31
571-2064033	206403-3	G	Peripheral seal	1.23	1.10	1.04
571-2072994	207299-4	P	Panel mount flange for plug	2.70	2.57	2.37
571-2070551	207055-1	Q	Back-shell extender	4.26	3.83	3.54
571-2074461	207446-1	H	Sealing cap plastic strap series 1,3,4	4.36	3.92	3.62
571-2074462	207446-2	H	Sealing cap plastic strap, Series 2	6.20	5.58	5.27
571-2070521	207052-1	R	Jacketed cable seal .30" - .45"	14.37	13.31	11.63
571-2070522	207052-2	R	Jacketed cable seal .45" - .60"	23.49	21.77	19.02
571-2070523	207052-3	R	Jacketed cable seal .60" - .875"	15.25	14.13	12.35
571-2086801	208680-1	I	Sealing cap metal chain	6.78	6.10	5.76
571-2138121	213812-1	K	Replacement coupling ring	1.81	1.63	1.54

KEYING PLUGS

- RoHS compliant per Tyco Electronics documentation

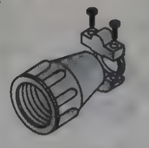
RoHS Compliant

E28476 LR7189

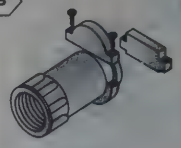
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	25	50
571-2008211	200821-1	M	Series 1 and 4 keying plug	.22	.21	.20
571-2065091	206509-1	N	Series 2 keying plug	.39	.37	.32
571-2065081	206508-1	O	Series 3 and 4 keying plug sockets	.68	.62	.58
571-2075971	207597-1	O	Series 3 and 4 keying plug pins	2.10	1.89	1.79

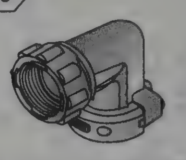
A



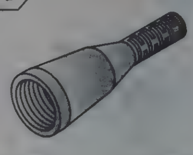
B



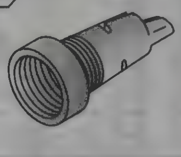
C



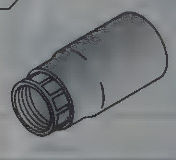
D



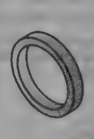
E



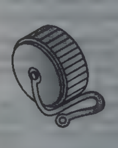
F



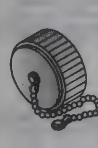
G



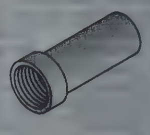
H



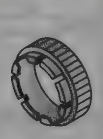
I



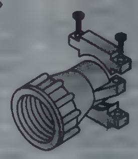
J



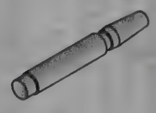
K



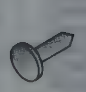
L



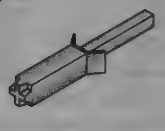
M



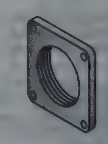
N



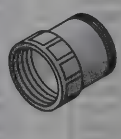
O



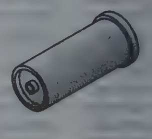
P



Q



R



AMP CPC Connectors

(SERIES 4, 5, AND 6)

Tyco Electronics
Authorized Distributor

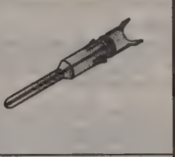
A

B

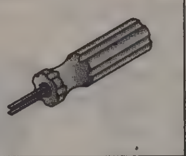
C

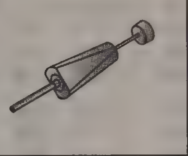
D

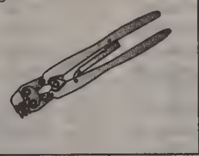
E

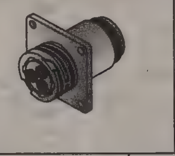
F


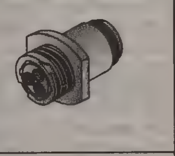
G

H


I


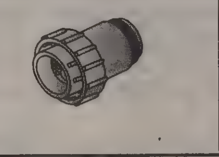
J


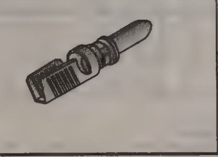
K


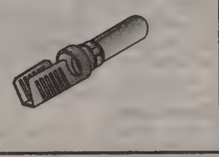
L


M

N

O


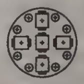
P


Q


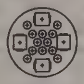
SERIES 4 (TYPE XII AND SIZE 16 CONTACTS) - POWER AND SIGNAL COMBINATION

Combination of standard and power density applications with size 16 and Type XII contacts

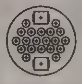
Features:
- Housing Material: Black thermoplastic
- Flammability rating: UL94V-0
- RoHS compliant per Tyco Electronics documentation



Arrangement
23-13M
No. of cavities
Power: 5
Multimate: 8



Arrangement
23-16M
No. of cavities
Power: 4
Multimate: 12



Arrangement
23-22M
No. of cavities
Power: 2
Multimate: 20

RoHS Compliant E28476 LR7189

Connectors

Pins and sockets must be ordered separately

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Contact Arrangement	Price Each		
				1	25	50
Square Flange Receptacles						
571-2118251	211825-1	A	23 - 13M	**5.40**	**4.86**	**4.48**
571-2074861	207486-1	A	23 - 16M	**3.50**	**3.15**	**2.98**
571-2066131	206613-1	A	23 - 22M	**3.42**	**3.08**	**2.84**
Free Hanging Receptacles						
571-2118252	211825-2	B	23 - 13M	**4.98**	**4.48**	**4.13**
571-2074862	207486-2	B	23 - 16M	**5.08**	**4.57**	**4.22**
571-2066133	206613-3	B	23 - 22M	**4.66**	**4.19**	**3.87**
Plugs						
571-2118241	211824-1	C	23 - 13M	**6.89**	**6.38**	**5.57**
571-2074851	207485-1	C	23 - 16M	**4.14**	**3.73**	**3.43**
571-2066121	206612-1	C	23 - 22M	**4.94**	**4.45**	**4.10**

RoHS Compliant

Contacts

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Contact Type	AWG	Finish	Price Each		
						1	100	1000
Type XII								
571-66261-4	66261-4	D	Pin	16,14-12	Silver	**2.93**	**2.64**	**2.49**
571-662612	66261-2	D	Pin	16,14-12	Gold	**4.17**	**3.75**	**3.54**
571-662592	66259-2	D	Pin	10-8	Gold	**5.94**	**5.35**	**5.05**
571-66259-4	66259-4	D	Pin	10-8	Silver	**2.93**	**2.64**	**2.49**
571-667402	66740-2	E	Socket	16,14-12	Silver	**4.94**	**4.45**	**4.20**
571-667406	66740-6	E	Socket	16,14-12	Gold	**7.22**	**6.50**	**6.13**
571-667416	66741-6	E	Socket	10	Gold	**6.62**	**6.30**	**5.14**
571-66741-2	66741-2	E	Socket	10-8	Silver	**6.67**	**5.67**	**4.95**
Size 16 Signal								
571-665911	66591-1	F	Pin	22-18	Tin	**.18**	**.16**	**.15**
571-665891	66589-1	F	Pin	18-16	Tin	**.20**	**.18**	**.17**
571-665921	66592-1	G	Socket	22-18	Tin	**.20**	**.18**	**.17**
571-665901	66590-1	G	Socket	18-16	Tin	**.23**	**.20**	**.19**

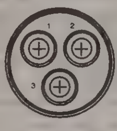
Tools

For quantities of 5 and up, call for quote.

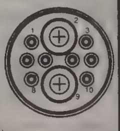
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-911241	91124-1	H	Extraction, for type XII contacts	**40.31**
571-305183	305183	I	Extraction, for size 16 signal con.	**16.80**
571-903822	90382-2	J	Certi-Crimp, 12-16 AWG, type XII	**707.00**
571-903841	90384-1	J	Certi-Crimp, 8-10 AWG, type XII	**707.00**

SERIES 5 AND 6 SEALED CPC AND POWERBAND CONTACTS

Features:
- Meets the requirements of UL, CSA and VDE for environmentally sealed connectors used in industrial applications
- Housing Material: Nylon, glass-filled, black
- Flammability rating: UL94V-0
- Receptacles accepts socket contacts
- Series 5: .125 powerband contacts
- Series 6: Size 16 and .125 powerband contacts
- Plugs accept pin contacts
- RoHS compliant per Tyco Electronics documentation



Arrangement
17-3



Arrangement
17-10

***Reverse Sex Gender = Socket contacts in receptacle housings, pin contacts in plug housings**

RoHS Compliant E28476 LR7189

Two-Piece Sealed - Reverse Sex

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Series	Shell Size	Contact	Price Each		
						1	25	50
Square Flange Receptacle								
571-2138892	213889-2	K	5	17	3	**4.94**	**4.45**	**4.10**
571-2138932	213893-2	N	6	17	3	**4.30**	**3.87**	**3.56**
Free Hanging Receptacle								
571-2138902	213890-2	L	5	17	3	**5.16**	**4.64**	**4.29**
Plug with Full Interfacial Seal								
571-2139051	213905-1	M	5	17	3	**6.40**	**5.76**	**5.31**
571-2139061	213906-1	O	6	17	3	**7.59**	**7.03**	**6.14**

Powerband Contacts

Features:
- Precision formed high current

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Series	Shell Size	Contact	Price Each		
						1	10	100
571-2138454	213845-4	P	Pin	12-14	Gold	**3.42**	**3.08**	**2.91**
571-2138453	213845-3	P	Pin	12-14	Silver	**2.78**	**2.50**	**2.36**
571-2138414	213841-4	P	Pin	8-10	Gold	**3.72**	**3.65**	**3.51**
571-2138413	213841-3	P	Pin	8-10	Silver	**2.78**	**2.50**	**2.36**
571-2138474	213847-4	Q	Socket	12-14	Gold	**5.34**	**4.81**	**4.54**
571-2138473	213847-3	Q	Socket	12-14	Silver	**4.44**	**4.00**	**3.77**
571-2138434	213843-4	Q	Socket	8-10	Gold	**5.34**	**4.81**	**4.54**
571-2138433	213843-3	Q	Socket	8-10	Silver	**4.44**	**4.00**	**3.77**

Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-3188131	318813-1	Extraction tool	**164.60**
571-697101	69710-1	Hand tool without dies	**358.50**

AMP Micro and Miniature CPC

Products may be RoHS compliant.
Check mouser.com for RoHS status.

Tyco Electronics
Authorized Distributor

MICRO CPC

Ideal for medical, instrumentation and industrial applications where size, contact density and durability are primary concerns. The nylon housings offer good resistance to a wide range of chemical agents while the IP65 sealing helps prevent ingress of dirt or fluids that would have an adverse effect on the contact interface.

Features:

- Squeeze-to-release coupling mechanism offers positive latch or optional breakaway locking feature
- Panel mount receptacle offers jam nut mounting
- Keyed and polarized
- Sealed to IP65
- No assembly required
- No application tooling required
- Ink marked positive alignment indicators

Electrical:

- Carrying capacity: 2-3 Amps
- Operating voltage: 250 VAC min.
- Operating temp.: -67°F to +221°F
- Dielectric withstanding volt.:1500 VAC min
- Wire size: 24-30 AWG
- Housing: single piece design, nylon

- Available in wire-to-wire, wire-to-board, and wire-to-panel configurations

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Shell Size	Description	Contact System	Price Each			
							1	10	25	50
Receptacles - Solder Cup										
571-14457211	1445721-1	A	7	M9.5	Panel Mount	Pin and Socket	10.14	9.13	8.62	8.11
571-14456411	1445641-1	B	7	M9.5	Free-Hanging	Pin and Socket	11.52	10.37	9.79	9.22
571-14457791	1445779-1	C	19	M13.5	Panel Mount	Pin and Socket	19.82	17.84	16.85	15.86
571-14457731	1445773-1	D	19	M13.5	Free-Hanging	Pin and Socket	17.00	15.30	14.45	13.60
Receptacles - Solder Tail										
571-14457201	1445720-1	E	7	M9.5	Panel Mount	Pin and Socket	9.44	8.50	8.02	7.55
571-14456911	1445691-1	F	7	M9.5	Free-Hanging	Pin and Socket	9.22	8.30	7.84	7.38
571-14457781	1445778-1	G	19	M13.5	Panel Mount	Pin and Socket	18.42	16.58	15.66	14.74
571-14457721	1445772-1	H	19	M13.5	Free-Hanging	Pin and Socket	14.74	13.27	12.53	11.79
Plugs - Solder Cup										
571-14453221	1445322-1	I	7	M9.5	------	Spring Probe	9.22	8.30	7.84	7.38
571-14456421	1445642-1	I	7	M9.5	------	Pin and Socket	7.24	6.99	6.71	5.86
571-14457771	1445777-1	J	19	M13.5	------	Spring Probe	15.20	13.68	12.92	12.16
571-14457821	1445782-1	J	19	M13.5	------	Pin and Socket	10.80	10.44	10.01	8.75

Accessories

- RoHS Compliant per Tyco Electronics documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	No. of Contacts	Shell Size	Cable O.D. (Max.)	Price Each			
					1	10	25	50
Strain Reliefs								
571-16041111	1604111-1	7	M9.5	.20 (5.0)	4.06	3.65	3.45	3.25
571-16042041	1604204-1	19	M13.5	.35 (8.8)	4.24	3.82	3.60	3.39
Jam Nuts				Thread				
571-16041971	1604197-1	7	M9.5	7/16-28 UNEF-2B	2.65	2.52	2.27	2.14
571-16041961	1604196-1	19	M13.5	5/8-24 UNEF-2B	1.76	1.68	1.63	1.43
Flange Seals								
571-14454203	1445420-3	7	M9.5	------	.94	.85	.80	.71
571-14454201	1445420-1	19	M13.5	------	.90	.85	.84	.73

MINIATURE CPC

Ideal for medical, instrumentation and industrial applications where size, contact density and durability are primary concerns. The nylon housings offer good resistance to a wide range of chemical agents while the IP67 sealing helps prevent ingress of dirt or fluids that would have an adverse effect on the contact interface.

Features:

- Sealed to IP67
- Pre-positioned 1/4 turn coupling ring with positive lock and alignment features
- Unique contact pattern for each position size helps prevent accidental mating with other position sizes
- Front or rear jam nut mounting
- Field repairable contacts
- Available in wire-to-wire, wire-to-board and wire-to-panel configurations

Electrical:

- Operating temperature: -67°F to 221°F
- Dielectric withstanding voltage: 2200 VAC minimum
- Wire termination: Crimp
- Housing: single piece design, plastic

RoHS Compliant

- RoHS compliant per Tyco Electronics documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Arrangement	Insulation Diameter Range	Price Each			
					1	10	25	50
Receptacles - Panel Mount								
571-14454211	1445421-1	K	8-4	.035 - .059	6.38	5.75	5.43	4.79
571-14454213	1445421-3	K	8-4	.059 - .110	6.38	5.75	5.43	4.79
571-14458161	1445816-1	K	11-9	.035 - .059	6.84	6.16	5.82	5.13
571-14458163	1445816-3	K	11-9	.059 - .110	6.84	6.16	5.82	5.13
Receptacles - Free Hanging								
571-14453891	1445389-1	L	8-4	.035 - .059	4.74	4.27	4.03	3.56
571-14453893	1445389-3	L	8-4	.059 - .110	4.74	4.27	4.03	3.56
571-14458251	1445825-1	L	11-9	.035 - .059	5.00	4.50	4.25	3.75
571-14458253	1445825-3	L	11-9	.059 - .110	5.00	4.50	4.25	3.75
Plugs								
571-14453901	1445390-1	M	8-4	.035 - .059	4.38	3.95	3.73	3.29
571-14453903	1445390-3	M	8-4	.059 - .110	4.38	3.95	3.73	3.29
571-14458071	1445807-1	M	11-9	.035 - .059	4.60	4.14	3.91	3.45
571-14458073	1445807-3	M	11-9	.059 - .110	4.60	4.14	3.91	3.45

Accessories

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Shell Size	Type	Price Each			
				1	10	25	50
Strain Reliefs							
571-14457301	1445730-1	8	Straight	2.62	2.36	2.23	1.97
571-14458561	1445856-1	11	Straight	2.74	2.47	2.33	2.06
571-14457711	1445771-1	8	Right-Angle	2.73	2.65	2.50	2.20
Jam Nuts			Thread				
571-16041961	1604196-1	8	5/8-24 UNEF-2B	1.76	1.68	1.63	1.43
571-14459041	1445904-1	11	3/4-20 UNEF-2B	1.48	1.34	1.26	1.11
Flange Seals							
571-14454201	1445420-1	8	------	.90	.85	.84	.73
571-14454202	1445420-2	11	------	.94	.85	.80	.71
Dust Caps							
571-16040891	1604089-1	8	------	1.72	1.57	1.44	1.33
571-16040892	1604089-2	11	------	1.96	1.77	1.67	1.47

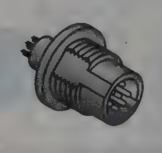
Contacts

- Sockets: Brass

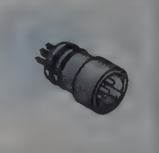
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Type	Finish	Wire Size AWG	Price Each		
					1	100	500
571-794059-1	794059-1	Pin	Pre-Tin	30-26	.15	.13	.11
571-7709851	770985-1	Pin	Pre-Tin	26-22	.15	.13	.11
571-7709871	770987-1	Pin	Pre-Tin	22-18	.15	.13	.11
571-794058-1	794058-1	Socket	Pre-Tin	30-26	.13	.12	.11
571-770986-1	770986-1	Socket	Pre-Tin	26-22	.15	.13	.11
571-770988-1	770988-1	Socket	Pre-Tin	22-18	.13	.12	.11

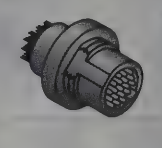
A



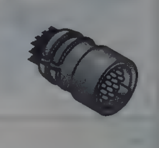
B



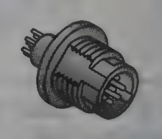
C



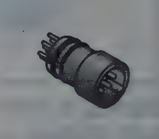
D



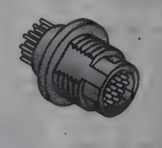
E



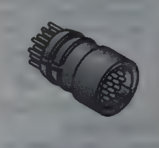
F



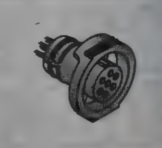
G



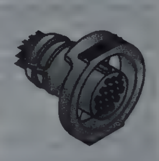
H



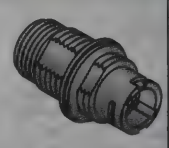
I



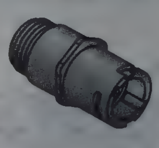
J



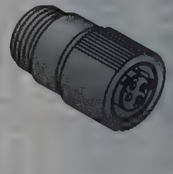
K



L



M



Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each	
			1	5
571-1897271	189727-1	Extraction Tool	18.90	16.38
571-4558301	455830-1	Insertion Tool	17.06	15.61
571-908701	90870-1	Pro Crimper III w/ Die for 30-24AWG	176.00	166.05
571-907582	90758-2	SDE Die for 26-22 AWG	111.00	96.20
571-90759-2	90759-2	SDE Die for 22-18 AWG	122.10	111.00

AMP Metal Shell CPC and Flexa Products

RoHS Compliant **This page of product is compliant.**

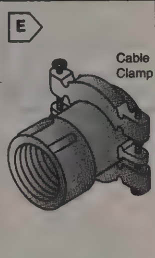
A

B

C

D

E



Cable Clamp

F

Sealing Cap/Chain

METAL SHELL CIRCULAR CONNECTORS

- RoHS compliant per Tyco Electronics documentation
- Housing: UL94V-0 Black Thermoplastic
- Metal Shell: Nickel-plated zinc alloy
- Shell only, must order contacts separately.

E28476 LR7189

∗ **STD. Gender=** Pin contacts in receptacle housings, socket contacts in plug housings
∗ **REV. Gender=** Socket contacts in receptacle housings, pin contacts in plug housings

RoHS Compliant

Series 1 - Square Flange Receptacles

- Accepts size 16 Contacts

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Cont.	Gen. ∗	Price Each		
						1	5	10
571-2087191	208719-1	A	14	5	Std.	24.06	21.65	20.45
571-2087151	208715-1	A	14	7	Std.	25.06	22.55	21.30
571-2087171	208717-1	A	14	7	Rev.	25.06	22.55	21.30
571-2084871	208487-1	A	22	14	Rev.	27.51	26.55	25.08
571-2084591	208459-1	A	28	24	Std.	40.61	39.13	38.86
571-2084711	208471-1	A	28	37	Std.	35.20	34.35	33.69
571-2084731	208473-1	A	28	37	Rev.	61.16	55.04	51.99

Series 1 - Plugs

- Accepts size 16 Contacts

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Cont.	Gen. ∗	Price Each		
						1	5	10
571-2087181	208718-1	B	14	5	Std.	57.62	51.86	48.98
571-2087141	208714-1	B	14	7	Std.	41.02	37.80	35.70
571-2087161	208716-1	B	14	7	Rev.	39.10	35.19	33.24
571-2084861	208486-1	B	22	14	Rev.	36.12	35.88	34.58
571-2084571	208457-1	B	28	24	Std.	44.38	44.31	44.24
571-2084701	208470-1	B	28	37	Std.	47.60	42.84	40.46
571-2084721	208472-1	B	28	37	Rev.	45.64	41.08	38.79

Series 2 - Square Flange Receptacles

- Accepts size 20 Contacts

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Cont.	Gen. ∗	Price Each		
						1	5	10
571-2084911	208491-1	C	22	28	Std.	23.39	22.89	22.08
571-2084931	208493-1	C	22	28	Rev.	22.47	21.71	21.39
571-2084771	208477-1	C	28	63	Std.	34.36	33.42	32.67

Series 2 - Plugs

- Accepts size 20 Contacts

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	No. of Cont.	Gen. ∗	Price Each		
						1	5	10
571-2084901	208490-1	D	22	28	Std.	93.60	90.55	88.67
571-2084921	208492-1	D	22	28	Rev.	103.87	100.92	98.33
571-2084761	208476-1	D	28	63	Std.	130.36	127.99	124.92

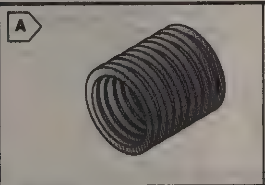
Accessories

For quantities of 25 and up, call for quote.

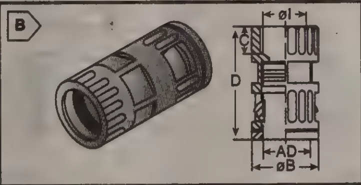
MOUSER STOCK NO.	AMP Part No.	Shell Size	Description for Fig: E and F	Price Each		
				1	5	10
571-2089455	208945-5	14	Cable clamp	11.60	10.44	9.86
571-2138232	213823-2	14	Sealing cap/chain	17.64	15.88	14.99
571-2089457	208945-7	22	Cable clamp	20.64	18.58	17.54
571-2119031	211903-1	22	Sealing cap/chain	28.66	26.56	23.21
571-2089458	208945-8	28	Cable clamp	27.94	25.15	23.75

FLEXA CORRUGATED TUBING AND CONNECTORS

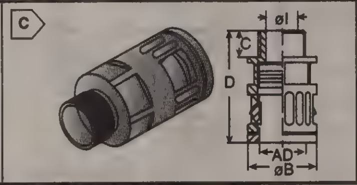
A



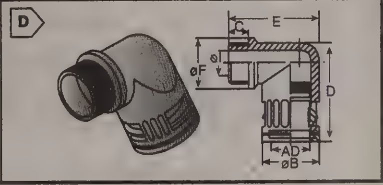
B



C



D



PA6 Flexa Tubing

Temperature range: From approximately -40°C up to approximately +115°C; temporarily withstands temperatures up to approximately +150°C

- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

Features:

- Air and liquid tight
- Oil resistant up to +80°C
- Highly resistant to acids and solvents
- Ozone and Benzine resistant
- Free of silicone, cadmium, and halogen
- Self-extinguishing and flame retardant

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Trade Size Tubing Outer - ø	Bending Radius mm ± 10%	Price Per Meter		
						1	25	50
571-9697892	969789-2	A	11	0.51" (13.0)	20	2.50	2.38	2.14
571-9697893	969789-3	A	13	0.62" (15.8)	35	3.68	3.32	3.13
571-9697894	969789-4	A	17	0.83" (21.2)	45	5.62	5.06	4.78
571-9697895	969789-5	A	23	1.12" (28.5)	55	9.56	8.60	8.13

Straight Female Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Trade Size Tubing Outer - ø (AD)	Inner Thread UNEF	Dimensions: mm				Price Each		
						Smallest Inner - ø (I)	Largest Outer - ø (B)	Length of Thread (C)	Total Length (D)	1	25	50
571-19698072	1-969807-2	B	11	.51" (13.0)	5/8"- 24	10.0	20.6	8.0	36.6	6.46	5.82	5.50
571-19698093	1-969809-3	B	13	.62" (15.8)	3/4"- 20	12.5	23.6	9.5	41.7	3.88	3.50	3.30
571-19698114	1-969811-4	B	17	.83" (21.2)	15/16"- 20	17.0	30.1	9.5	50.3	7.36	6.63	6.26
571-29698135	2-969813-5	B	23	1.12" (28.5)	1" - 18	23.5	37.0	9.5	54.0	11.60	10.44	9.86

Straight Male Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Trade Size Tubing Outer - ø (AD)	Thread DIN 40430 PG	Dimensions: mm				Price Each		
						Smallest Inner - ø (I)	Largest Outer - ø (B)	Length of Thread (C)	Total Length (D)	1	25	50
571-9698032	969803-2	C	11	.51" (13.0)	9	10.0	20.0	10	35.0	3.40	3.24	2.92
571-9698033	969803-3	C	13	.62" (15.8)	11	12.5	23.0	10	37.0	3.38	3.22	2.90
571-9698034	969803-4	C	17	.83" (21.2)	16	17.0	29.5	12	43.5	3.32	2.99	2.83
571-9698035	969803-5	C	23	1.12" (28.5)	21	23.5	37.0	12	46.0	5.92	5.33	5.04

Right Angle Male Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Shell Size	Trade Size Tubing Outer - ø (AD)	Thread DIN 40430 PG	Dimensions: mm						Price Each		
						Smallest Inner - ø (I)	Largest Outer - ø (B)	Length of Thread (C)	Total Length (D)	Total Height (E)	Connection (F)	1	25	50
571-9698172	969817-2	D	11	.51" (13.0)	9	12.0	20.0	10	36.0	34.0	20.0	5.74	5.17	4.88
571-9698173	969817-3	D	13	.62" (15.8)	11	15.5	23.0	10	42.0	37.5	23.0	5.98	5.39	5.09
571-9698174	969817-4	D	17	.83" (21.2)	16	18.0	29.5	12	50.0	47.0	27.0	10.66	9.60	9.07
571-9698175	969817-5	D	23	1.12" (28.5)	21	24.0	37.0	12	57.0	55.0	34.0	14.91	14.20	12.78

AMPHENOL 97 Series Circular Connectors

Amphenol®

97 SERIES SOLDER TYPE (MIL-C-5015 STYLE)

The Amphenol 97 series connectors are a general duty standard cylindrical connector, MIL-C-5015 style. The 97 series is a widely used connector for the automotive, robotics, machine tool and welding industries, as well as numerous other commercial applications. Shell components are fabricated from high grade aluminum alloy. A complete connector assembly consists of a shell with an installed insert.

Features:
- Medium to heavy weight cylindrical
- Durable, field-proven design
- Single key/keyway polarization
- Threaded coupling, hard dielectric inserts
- Operating temperatures from -55°C to +125°C
- Intermateable and intermountable with existing 97 series and MIL-C-5015 connectors
- All connectors shipped assembled and individually packaged

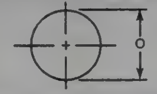
Materials:
- Shells: High grade aluminum alloy, with a conductive cadmium plate finish and an olive drab chromate after treatment.
- Inserts: Hard Blue Diallyl-phthalate
- Contacts: Silver plated with pre-tinned solder cups

RoHS Version Materials:
- Plating: Black Zinc Cobalt
- Insert: Hard Blue Diallyl Phthalate
- Contacts: Silver Plated with non-filled solder cups
- Add (946) to end of Part No.

Recognition
File #E115497

Certification
File # LR 69183

Receptacle Mounting Holes:
.173" (4.394) Diameter for shell sizes 32 and 36
.147" (3.734) Diameter for shell sizes 24 and 28
.120" (3.048) Diameter for all other shell sizes


Panel Opening

Quick selection guide for the standard Amphenol 97 series.

1. **How many wires are you going to connect and what gauge?**
   Use the insert arrangement table on the following page for selecting insert configuration .
2. **What kind of receptacle shell do you need?**
   Wall Mounting: 3100 Shell Series, Box Mounting: 3102 Shell Series, Cable Mounting: 3101 Shell Series
3. **What kind of plug shell do you need?**
   Straight Cable : 3106 Shell Series, Right Angle Cable : 3108 Shell Series
4. **Do you need a plug with a solid or split back shell?**
   The solid shell (A Type) has greater strength and saves space. The split shell (B Type) allows for quick inspection of solder terminals.
5. **Which connector shell gets the socket insert? The receptacle or the plug shell?**
   Either pin or socket inserts can be used with plug or receptacles shell. The rule of thumb is use the socket insert for the connector on the "hot" side of the circuit.
6. **Which accessories are needed?**
   Cable clamps and protection caps are available and are shown at the end of this product section.

How to build a standard Amphenol 97 series part number:

97 - 3101 A - 28 - 21 P (946)

97- Like MS but Amphenol®

Shell Type
3100 Wall receptacle
3101 Cable receptacle
3102 Box receptacle
3106 Straight plug
3108 Angle plug

Shell Construction
A- Solid Backshell
B- Split Backshell

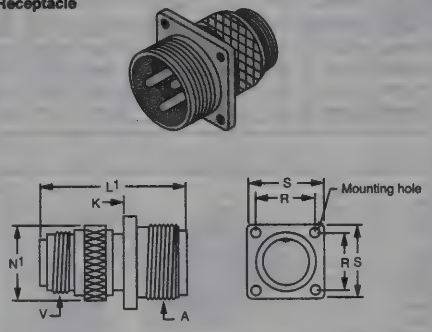
Shell Size
10SL, 12S, 14S, 14, 16S,
16, 18, 20, 22, 24, 28, 32

Insert Arrangement
Numerical designation for insert configurations.
(See insert chart section for availability)

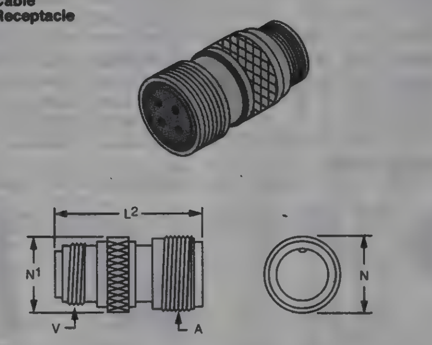
Contact Type
P=Pin
S=Socket

RoHS Version
Black Zinc Cobalt
Non-Filled Solder
Cups

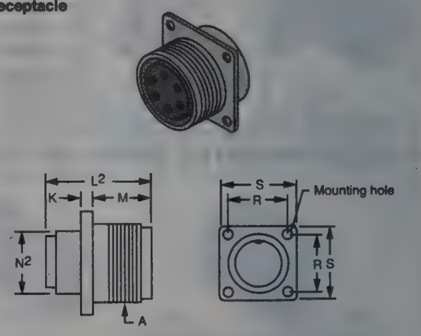
DIMENSIONS (IN)


Wall Mount Receptacle

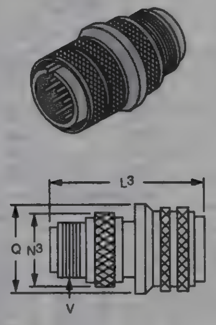
97-3100A (MS3100A)


Cable Receptacle

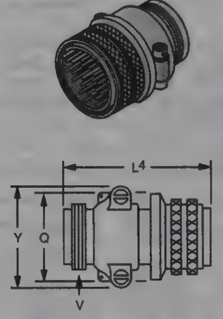
97-3101A (MS3101A)


Box Receptacle

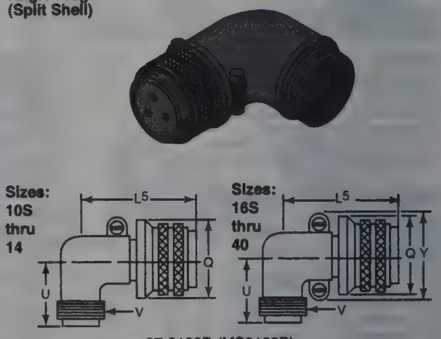
97-3102A (MS3102A)


Straight Plug

97-3106A (MS3106A)


Straight Plug (Split Shell)

97-3106B (MS3106B)


Angle Plug (Split Shell)

97-3108B (MS3108B)

Shell Size	L1 3100A 3101A	L2 3102A	L3 3106A	L4 3106B	L5 3108B	N1 3100A 3101A	N2 3102A	N3 3106A	O	S	R	Q	Y	U	K	A Coupling Thread	V Fitting Thread
10SL	1-9/32	61/64	1-3/8	------	1-1/2	3/4	11/16	3/4	0.812	1	23/32	7/8	------	1	5/64	5/8-24	5/8-24
12S	1-15/32	31/32	1-7/16	------	1-9/16	25/32	11/16	25/32	0.812	1-3/32	13/16	1	------	1	5/64	3/4-20	5/8-24
14S	1-15/32	61/64	1-15/32	1-11/16	1-23/32	7/8	11/16	7/8	0.938	1-3/16	29/32	1-1/8	1-5/32	1-1/16	5/64	7/8-20	3/4-20
16S	1-15/32	61/64	1-15/32	1-11/16	1-3/4	1	7/8	1	1.062	1-9/32	31/32	1-1/4	1-1/4	1-1/8	5/64	1-20	7/8-20
16	1-57/64	1-3/8	1-7/8	------	2-1/8	1	7/8	1	1.062	1-9/32	31/32	1-1/4	------	1-1/8	1/8	1-20	7/8-20
18	1-63/64	1-3/8	1-31/32	2-1/16	2-5/32	1-1/8	1	1-1/8	1.188	1-3/8	1-1/16	1-11/32	1-41/64	1-3/16	1/8	1-1/8-18	1-20
20	1-57/64	1-3/8	1-7/8	2-1/8	2-3/8	1-1/4	1-1/8	1-1/4	1.312	1-1/2	1-5/32	1-15/32	1-13/16	1-5/16	1/8	1-1/4-18	1-3/16-18
22	1.63/64	1-3/8	1-31/32	2-1/8	2-13/32	1-3/8	1-1/4	1-3/8	1.438	1-5/8	1-1/4	1-19/32	1-15/16	1-5/16	1/8	1-3/8-18	1-3/16-20
24	2-1/4	1-3/8	2-1/4	2-9/32	2-5/8	1-1/2	1-3/8	1-1/2	1.562	1-3/4	1-3/8	1-23/32	2-1/16	1-7/16	1/8	1-1/2-18	1-7/16-18
28	2-1/4	1-3/8	2-1/4	2-9/32	2-5/8	1-3/4	1-5/8	1-3/4	1.812	2	1-9/16	1-31/32	2-5/16	1-7/16	1/8	1-3/4-18	1-7/16-18
32	2-3/8	1-15/32	2-3/8	2-5/16	2-13/16	2-1/32	1-29/32	2-1/32	2.062	2-1/4	1-3/4	2-7/32	2-19/32	1-3/4	1/8	2-18	1-3/4-18

97 SERIES SOLDER TYPE (MIL-C-5015 STYLE) (CONT.)

Service Rating:

		INST.	A	D	B	C
Limiting Operating Voltage at Sea Level	DC	250	700	1250	2450	4200
	AC(RMS)	200	500	900	1750	3000

See notes 1 and 2 under Test Current
INST. Service normally for low voltage and currents

Effective Creepage (nominal)	Inch	1/16	1/8	3/16	5/16	1
	mm	1.57	3.18	4.75	7.92	25.40
Mechanical Spacing (nominal)	Inch	---	1/16	1/8	1/4	5/16
	mm	---	1.57	3.18	6.35	7.92

Test Current:

Contact Size	16	12	8	4
Amperes	13	23	46	80
Wire Gauge (AWG)	16-22	12-14	8-10	4-6

NOTE 1:Transients were not considered in calculating these values
NOTE 2:Limiting operating voltages at 50,000 feet altitude are approximately 25% of the sea level values.

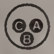
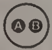
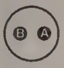
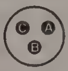
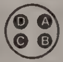
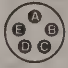
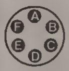
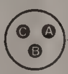
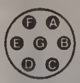
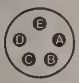
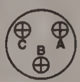
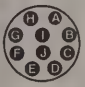
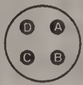
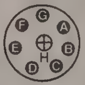
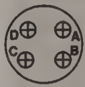
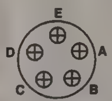
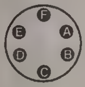
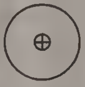
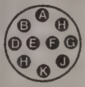
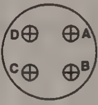
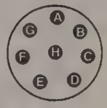
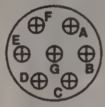
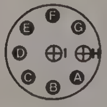
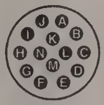
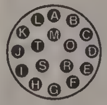
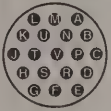
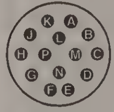
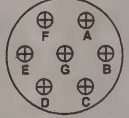
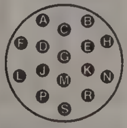
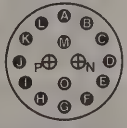
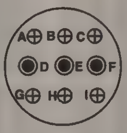
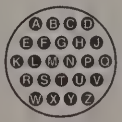
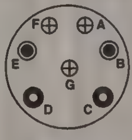
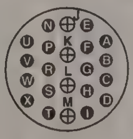
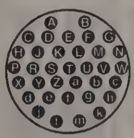
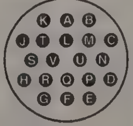
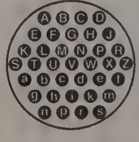
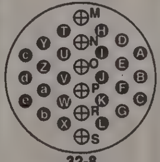
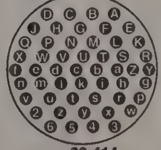
Contact Legend

●	⊕	◉	⊙
16	12	8	4

Recognition
File #E115497

Certification
File # LR 69183

Insert Arrangements
(Front view of Pin Insert, drawings not to scale.)

	Insert Arrangement	Contacts	Service Rating
	10SL-3	3#16	A
	10SL-4	2#16	A
	12S-3	2#16	A
	14S-1	3#16	A
	14S-2	4#16	INST.
	14S-5	5#16	INST.
	14S-6	6#16	INST.
	14S-7	3#16	A
	16S-1	7#16	A
	16S-8	5#16	A
	16-10	3#12	A
	18-1	10#16	B, C, F, G=A; all others=INST.
	18-4	4#16	D
	18-8	1#12, 7#16	A
	18-10	4#12	A
	18-11	5#12	A
	18-12	6#16	A
	18-16	1#12	C
	18-19	10#16	A
	20-4	4#12	D
	20-7	8#16	A, B, H, G=D; C,D,E,F=A
	20-15	7#12	A
	20-16	7#16, 2#12	A
	20-27	14#16	A
	20-29	17#16	A
	22-14	19#16	A
	22-19	14#16	A
	24-2	7#12	D
	24-5	16#16	A
	24-7	2#12, 14#16	A
	24-11	3#8, 6#12	A
	24-28	24#16	INST.
	28-10	3#12, 2#8, 2#4	G=D; all others=A
	28-11	4#12, 18#16	A
	28-15	35#16	A
	28-16	20#16	A
	28-21	37#16	A
	32-8	6#12, 24#16	A
	32-414	52#16	A

97 SERIES SOLDER TYPE (MIL-C-5015 STYLE) (CONT.)

How to build a standard Amphenol 97 series part number:

Combine the shell part number with insert arrangement number to complete the Amphenol part number. For Example: From the table below, combine a wall mount shell number **(97-3100A-)** with an insert number **(18-16P)** to create a complete Amphenol part number **(97-3100A-18-16P)**. The standard Amphenol 97 series shells are constructed with a high grade aluminum alloy and come in a olive drab chromate finish. The blue diallyl-phthalate inserts have pre-installed silver plated contacts with solder cups. **All connectors are shipped fully assembled, labeled, and individually packaged.** For complete connector specifications and descriptions see the 2 previous pages.

* How to build a RoHS version of a standard Amphenol 97 series part number:

Add **(946)** to the end of a part number for either a plug or receptacle. This provides a black zinc cobalt finish and solder contacts with non-filled solder cups. **Example: 97-3100-18-16(946)**

Receptacles

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size and Insert	Wall Mount 97-3100A-			Cable Mount 97-3101A-			Box Mount 97-3102A-		
		Price Each			**Price Each**			**Price Each**		
		1	10	25	1	10	25	1	10	25
1	18-16P	**14.98**	**13.51**	**12.15**	**15.27**	**13.77**	**12.35**	**8.87**	**8.00**	**7.18**
1	18-16S	**18.76**	**16.88**	**15.19**	**19.04**	**17.17**	**15.40**	**11.90**	**11.03**	**10.20**
2	10SL-4P	**9.57**	**8.62**	**7.75**	**14.05**	**12.13**	**11.60**	**12.47**	**11.25**	**10.09**
2	12S-3P	**9.32**	**8.39**	**7.54**	**12.93**	**11.90**	**11.03**	**5.26**	**4.74**	**4.25**
2	12S-3S	**9.42**	**8.49**	**7.62**	**13.37**	**12.30**	**11.31**	**5.59**	**5.03**	**4.53**
3	10SL-3P	**11.65**	**10.92**	**9.95**	**13.31**	**12.00**	**10.77**	**7.66**	**6.90**	**6.19**
3	14S-1P	**9.31**	**8.39**	**7.53**	**10.38**	**9.36**	**8.40**	**5.71**	**5.15**	**4.62**
3	14S-1S	**9.46**	**8.51**	**7.66**	**10.53**	**9.49**	**8.52**	**5.86**	**5.28**	**4.74**
3	14S-7P	**10.38**	**9.55**	**8.85**	**10.76**	**9.71**	**8.71**	**6.09**	**5.49**	**4.93**
3	14S-7S	**10.53**	**9.70**	**8.99**	**11.04**	**9.95**	**8.93**	**6.36**	**5.74**	**5.15**
3	16-10P	**17.46**	**15.74**	**14.12**	**17.40**	**15.69**	**14.08**	**10.58**	**9.54**	**8.56**
3	16-10S	**16.05**	**14.78**	**13.69**	**16.87**	**15.21**	**13.65**	**10.06**	**9.07**	**8.13**
4	14S-2P	**9.40**	**8.48**	**7.60**	**10.47**	**9.44**	**8.47**	**5.80**	**5.23**	**4.69**
4	14S-2S	**10.62**	**9.57**	**8.59**	**11.69**	**10.54**	**9.46**	**8.10**	**7.41**	**6.82**
4	18-4P	**13.09**	**11.78**	**10.61**	**14.26**	**13.03**	**12.00**	**6.95**	**6.26**	**5.62**
4	18-4S	**13.31**	**12.26**	**11.35**	**15.09**	**13.58**	**12.22**	**7.91**	**7.13**	**6.40**
4	18-10P	**15.58**	**14.05**	**12.60**	**15.86**	**14.30**	**12.82**	**9.46**	**8.53**	**7.65**
4	18-10S	**16.96**	**15.26**	**13.74**	**17.24**	**15.54**	**13.94**	**10.84**	**9.77**	**8.77**
4	20-4P	**16.55**	**14.91**	**13.41**	**15.82**	**14.26**	**12.80**	**9.20**	**8.30**	**7.44**
4	20-4S	**24.54**	**22.09**	**19.88**	**23.82**	**21.48**	**19.27**	**17.20**	**15.51**	**13.91**
5	14S-5P	**10.02**	**9.04**	**8.11**	**11.09**	**10.00**	**8.97**	**6.42**	**5.79**	**5.19**
5	14S-5S	**10.51**	**9.45**	**8.51**	**11.58**	**10.44**	**9.37**	**6.91**	**6.23**	**5.59**
5	16S-8P	**11.29**	**10.16**	**9.14**	**12.27**	**11.07**	**9.93**	**6.76**	**6.10**	**5.47**
5	16S-8S	**11.02**	**10.14**	**9.40**	**12.62**	**11.38**	**10.21**	**7.11**	**6.41**	**5.75**
5	18-11P	**15.16**	**13.65**	**12.28**	**14.64**	**13.48**	**12.49**	**9.04**	**8.15**	**7.31**
5	18-11S	**15.87**	**14.28**	**12.85**	**16.15**	**14.56**	**13.06**	**9.75**	**8.79**	**7.88**
6	14S-6P	**10.51**	**9.48**	**8.50**	**11.58**	**10.44**	**9.37**	**6.91**	**6.23**	**5.59**
6	14S-6S	**10.66**	**9.61**	**8.62**	**11.73**	**10.57**	**9.49**	**7.07**	**6.36**	**5.72**
6	18-12P	**13.78**	**12.40**	**11.16**	**14.06**	**12.67**	**11.37**	**7.66**	**6.90**	**6.19**
6	18-12S	**14.61**	**13.16**	**11.84**	**14.89**	**13.43**	**12.05**	**8.49**	**7.66**	**6.87**
7	16S-1P	**11.35**	**10.21**	**9.19**	**12.35**	**11.13**	**9.99**	**6.84**	**6.16**	**5.53**
7	16S-1S	**12.34**	**11.11**	**10.05**	**13.35**	**12.03**	**10.80**	**7.32**	**6.89**	**5.93**
7	20-15P	**17.23**	**15.86**	**14.69**	**17.44**	**15.72**	**14.10**	**10.82**	**9.76**	**8.75**
7	20-15S	**22.67**	**20.41**	**18.36**	**21.95**	**19.79**	**17.75**	**20.45**	**18.75**	**17.31**
7	24-2P	**22.78**	**20.97**	**19.43**	**24.08**	**21.71**	**19.47**	**14.95**	**13.76**	**12.75**
7	24-2S	**28.60**	**25.74**	**23.15**	**28.66**	**25.84**	**23.18**	**18.64**	**16.81**	**15.08**
7	28-10P	**89.00**	**82.00**	**77.00**	**52.09**	**47.96**	**44.43**	**41.42**	**37.35**	**33.50**
7	28-10S	**108.00**	**100.00**	**93.00**	**66.33**	**61.07**	**56.58**	**56.44**	**50.89**	**45.65**
8	18-8P	**15.87**	**14.28**	**12.85**	**16.13**	**14.54**	**13.05**	**9.74**	**8.77**	**7.89**
8	18-8S	**16.45**	**14.81**	**13.33**	**16.71**	**15.07**	**13.52**	**10.31**	**9.30**	**8.34**
8	20-7P	**16.18**	**14.56**	**13.11**	**15.89**	**14.56**	**13.44**	**10.25**	**9.36**	**8.62**
8	20-7S	**16.42**	**15.11**	**14.00**	**16.58**	**14.95**	**13.41**	**10.64**	**9.59**	**8.60**
9	20-16P	**17.85**	**16.07**	**14.46**	**17.13**	**15.44**	**13.85**	**10.51**	**9.48**	**8.50**
9	20-16S	**18.96**	**17.07**	**15.36**	**18.24**	**16.44**	**14.75**	**11.62**	**10.48**	**9.40**
9	24-11P	**26.99**	**24.84**	**23.02**	**28.51**	**25.71**	**23.06**	**21.09**	**19.38**	**17.75**
9	24-11S	**35.75**	**32.23**	**28.91**	**35.80**	**32.28**	**28.96**	**31.62**	**28.89**	**26.60**
10	18-1P	**15.27**	**13.74**	**12.37**	**15.55**	**14.02**	**12.57**	**9.15**	**8.25**	**7.40**
10	18-1S	**16.14**	**14.53**	**13.07**	**16.40**	**14.79**	**13.27**	**10.00**	**9.02**	**8.09**
10	18-19P	**23.43**	**21.63**	**20.09**	**23.52**	**21.60**	**20.06**	**14.09**	**12.71**	**11.40**
10	18-19S	**18.42**	**16.57**	**14.92**	**18.69**	**16.85**	**15.12**	**12.31**	**11.07**	**9.97**
14	20-27P	**17.46**	**15.72**	**14.15**	**16.75**	**15.10**	**13.55**	**11.36**	**10.46**	**9.69**
14	20-27S	**18.55**	**16.72**	**15.00**	**17.82**	**16.07**	**14.41**	**11.20**	**10.10**	**9.06**
14	22-19P	**23.19**	**20.88**	**18.79**	**20.59**	**18.95**	**17.56**	**14.24**	**12.84**	**11.52**
14	22-19S	**23.71**	**21.34**	**19.22**	**21.07**	**19.40**	**17.97**	**14.75**	**13.30**	**11.93**
16	24-5P	**28.27**	**25.85**	**23.27**	**28.78**	**25.95**	**23.28**	**19.49**	**17.58**	**15.77**
16	24-5S	**31.33**	**28.84**	**26.72**	**33.09**	**29.84**	**26.77**	**23.80**	**21.46**	**19.25**
16	24-7P	**30.55**	**27.75**	**26.45**	**35.35**	**31.87**	**28.59**	**21.80**	**19.66**	**17.63**
16	24-7S	**28.42**	**26.16**	**24.24**	**28.47**	**26.21**	**24.28**	**20.73**	**18.69**	**16.77**
17	20-29P	**18.12**	**16.68**	**15.46**	**18.38**	**16.58**	**14.87**	**11.76**	**10.61**	**9.52**
17	20-29S	**21.81**	**19.63**	**17.67**	**21.09**	**19.02**	**17.06**	**14.47**	**13.05**	**11.71**
19	22-14P	**21.11**	**19.03**	**17.08**	**19.62**	**17.69**	**15.87**	**12.15**	**10.95**	**9.82**
19	22-14S	**27.66**	**25.27**	**23.27**	**32.00**	**30.00**	**25.00**	**15.47**	**13.95**	**12.52**
20	28-16P	**36.93**	**34.00**	**31.88**	**30.93**	**28.48**	**26.39**	**19.11**	**17.23**	**16.58**
20	28-16S	**38.64**	**35.35**	**32.90**	**32.82**	**29.59**	**26.55**	**19.31**	**17.41**	**15.62**
22	28-11P	**36.00**	**33.50**	**32.00**	**32.99**	**30.37**	**28.14**	**21.27**	**19.18**	**17.21**
22	28-11S	**43.40**	**38.50**	**36.25**	**41.02**	**36.99**	**33.18**	**27.51**	**24.81**	**22.25**
24	24-28P	**26.85**	**24.17**	**21.75**	**26.91**	**24.26**	**21.77**	**17.62**	**15.89**	**14.25**
24	24-28S	**28.67**	**25.81**	**23.22**	**28.71**	**25.89**	**23.22**	**19.42**	**17.51**	**15.71**
30	32-8P	**40.04**	**36.86**	**34.15**	**40.04**	**36.10**	**32.39**	**31.91**	**28.77**	**25.81**
30	32-8S	**42.99**	**38.69**	**34.82**	**40.80**	**36.79**	**33.00**	**32.68**	**29.46**	**26.43**
35	28-15P	**43.40**	**38.55**	**36.50**	**36.80**	**33.88**	**31.39**	**25.29**	**22.81**	**20.46**
35	28-15S	**50.14**	**47.50**	**42.40**	**43.30**	**39.86**	**36.93**	**34.36**	**31.39**	**28.90**
37	28-21P	**45.40**	**43.10**	**37.42**	**36.55**	**32.95**	**29.56**	**23.04**	**20.77**	**18.63**
37	28-21S	**45.25**	**42.55**	**39.50**	**40.55**	**36.56**	**32.80**	**27.04**	**24.38**	**21.87**
52	32-414P	**64.37**	**57.93**	**52.14**	**58.97**	**54.29**	**50.30**	**54.06**	**48.74**	**43.73**
52	32-414S	**88.94**	**80.04**	**72.04**	**86.75**	**78.22**	**70.17**	**78.63**	**70.89**	**63.59**

To make a mating receptacle - plug connection:

From the table below, select a plug combination off of the same line as the selected receptacle combination. For Example: A **97-3100A-18-16P** wall mount receptacle will mate with any of the plugs with the **18-16S** insert. **Receptacles only mate with plugs on the same line.**

Recognition
File #E115497

Certification
File # LR 69183

*** RoHs Version Available**

Mating Plugs

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size and Insert	Straight Cable 97-3106A-			Straight Cable 97-3106B-			Right Angle Cable 97-3108B-		
		Price Each			**Price Each**			**Price Each**		
		1	10	25	1	10	25	1	10	25
1	18-16S	**16.02**	**14.44**	**12.96**	**19.93**	**18.35**	**17.00**	**18.98**	**17.48**	**16.19**
1	18-16P	**11.62**	**10.70**	**9.91**	**17.26**	**15.56**	**13.96**	**15.42**	**14.19**	**13.15**
2	10SL-4S	**11.11**	**10.02**	**8.99**	-----	-----	-----	**14.98**	**13.51**	**12.12**
2	12S-3S	**8.93**	**8.05**	**7.22**	-----	-----	-----	**12.82**	**11.56**	**10.37**
2	12S-3P	**8.47**	**7.64**	**6.85**	-----	-----	-----	**12.74**	**11.49**	**10.30**
3	10SL-3S	**12.20**	**11.18**	**10.32**	-----	-----	-----	**14.57**	**13.13**	**11.78**
3	14S-1S	**8.87**	**8.00**	**7.18**	**11.10**	**10.22**	**9.47**	**10.47**	**9.44**	**8.47**
3	14S-1P	**8.73**	**7.87**	**7.06**	**11.56**	**10.43**	**9.35**	**10.33**	**9.31**	**8.35**
3	14S-7S	**9.38**	**8.46**	**7.59**	**11.59**	**10.67**	**9.88**	**10.80**	**9.80**	**8.05**
3	14S-7P	**9.11**	**8.21**	**7.37**	**11.95**	**10.77**	**9.66**	**10.16**	**9.35**	**8.66**
3	16-10S	**14.80**	**13.56**	**12.52**	-----	-----	-----	**18.85**	**17.35**	**16.08**
3	16-10P	**14.91**	**13.45**	**12.06**	-----	-----	-----	**20.40**	**18.40**	**16.50**
4	14S-2S	**10.04**	**9.05**	**8.12**	**12.87**	**11.61**	**10.41**	**17.34**	**15.97**	**14.79**
4	14S-2P	**8.87**	**7.98**	**7.18**	**11.66**	**10.51**	**9.43**	**10.47**	**9.44**	**8.47**
4	18-4S	**10.17**	**9.16**	**8.24**	**15.45**	**14.22**	**13.18**	**17.10**	**15.40**	**13.86**
4	18-4P	**10.35**	**9.31**	**8.37**	**15.33**	**13.82**	**12.40**	**13.92**	**12.59**	**11.50**
4	18-10S	**13.11**	**11.82**	**10.60**	**19.22**	**17.33**	**15.55**	**18.22**	**16.43**	**14.74**
4	18-10P	**12.84**	**11.57**	**10.38**	**16.92**	**15.57**	**14.43**	**16.84**	**15.18**	**13.62**
4	20-4S	**23.29**	**21.00**	**18.84**	**27.12**	**24.97**	**23.13**	**27.18**	**24.51**	**21.99**
4	20-4P	**15.29**	**13.79**	**12.37**	**19.54**	**17.99**	**16.66**	**19.18**	**17.30**	**15.52**
5	14S-5S	**9.93**	**8.95**	**8.03**	**12.76**	**11.51**	**10.32**	**11.53**	**10.39**	**9.32**
5	14S-5P	**9.44**	**8.51**	**7.63**	**11.64**	**10.72**	**9.93**	**11.04**	**9.95**	**8.93**
5	16S-8S	**9.76**	**8.80**	**7.90**	**14.98**	**13.80**	**12.78**	**13.97**	**12.59**	**11.30**
5	16S-8P	**7.95**	**7.31**	**6.73**	**14.66**	**13.49**	**12.50**	**12.92**	**11.89**	**11.02**
5	18-11S	**13.13**	**11.84**	**10.62**	**18.13**	**16.35**	**14.66**	**17.13**	**15.44**	**13.85**
5	18-11P	**12.42**	**11.20**	**10.05**	**17.42**	**15.71**	**14.09**	**16.42**	**14.80**	**13.28**
6	14S-6S	**10.07**	**9.08**	**8.15**	**12.91**	**11.64**	**10.44**	**11.67**	**10.53**	**9.44**
6	14S-6P	**10.20**	**8.95**	**8.03**	**12.76**	**11.51**	**10.32**	**11.53**	**10.39**	**9.32**
6	18-12S	**11.87**	**10.71**	**9.60**	**16.02**	**14.75**	**13.66**	**15.05**	**13.85**	**12.84**
6	18-12P	**11.04**	**9.95**	**8.93**	**15.21**	**14.00**	**12.97**	**14.04**	**13.16**	**12.03**
7	16S-1S	**10.49**	**9.46**	**8.49**	**15.67**	**14.43**	**13.37**	**14.69**	**13.25**	**11.88**
7	16S-1P	**9.49**	**8.56**	**7.68**	**14.73**	**13.56**	**12.56**	**13.71**	**12.34**	**11.11**
7	20-15S	**22.30**	**20.13**	**18.11**	**26.73**	**24.10**	**21.62**	**24.00**	**22.10**	**20.47**
7	20-15P	**16.91**	**15.25**	**13.68**	**22.22**	**20.03**	**17.97**	**19.73**	**18.16**	**16.83**
7	24-2S	**29.91**	**27.54**	**25.51**	**34.02**	**31.32**	**29.02**	**27.52**	**25.34**	**23.47**
7	24-2P	**23.09**	**20.82**	**18.68**	**31.29**	**28.22**	**25.31**	**23.17**	**21.34**	**19.77**
7	28-10S	**68.01**	**61.32**	**55.01**	**65.99**	**60.75**	**56.29**	**66.62**	**60.07**	**53.89**
7	28-10P	**52.99**	**47.78**	**42.86**	**51.75**	**47.64**	**44.14**	**48.94**	**45.05**	**41.74**
8	18-8S	**13.69**	**12.35**	**11.07**	**18.69**	**16.85**	**15.12**	**16.78**	**15.44**	**14.31**
8	18-8P	**13.11**	**11.82**	**10.60**	**18.11**	**16.33**	**14.65**	**16.23**	**14.94**	**13.84**
8	20-7S	**16.06**	**14.48**	**12.99**	**20.26**	**18.65**	**17.28**	**19.95**	**17.99**	**16.13**
8	20-7P	**14.91**	**13.44**	**12.06**	**20.38**	**18.38**	**16.49**	**17.83**	**16.41**	**15.21**
9	20-16S	**17.71**	**15.97**	**14.33**	**23.02**	**20.76**	**18.62**	**20.48**	**18.86**	**17.47**
9	20-16P	**16.60**	**14.97**	**13.43**	**21.91**	**19.76**	**17.72**	**19.43**	**17.89**	**16.58**
9	24-11S	**43.11**	**39.20**	**33.00**	**43.02**	**38.79**	**34.80**	**34.30**	**31.57**	**29.25**
9	24-11P	**27.53**	**24.82**	**22.27**	**35.73**	**32.22**	**28.90**	**28.88**	**26.04**	**23.36**
10	18-1S	**13.38**	**12.07**	**10.82**	**18.38**	**16.58**	**14.87**	**17.38**	**15.67**	**14.06**
10	18-1P	**12.53**	**11.30**	**10.13**	**17.53**	**15.80**	**14.18**	**16.53**	**14.90**	**13.37**
10	18-19S	**15.67**	**14.13**	**12.68**	**20.67**	**18.64**	**16.72**	**19.67**	**17.74**	**15.91**
10	18-19P	**17.47**	**15.76**	**14.13**	**22.47**	**20.26**	**18.18**	**20.36**	**18.75**	**17.37**
14	20-27S	**17.29**	**15.56**	**14.07**	**22.60**	**20.38**	**18.28**	**21.18**	**19.10**	**17.13**
14	20-27P	**16.22**	**14.62**	**13.12**	**21.53**	**19.41**	**17.41**	**19.07**	**17.56**	**16.27**
14	22-19S	**18.17**	**16.38**	**14.69**	**24.80**	**22.83**	**21.15**	**24.91**	**22.46**	**20.15**
14	22-19P	**17.66**	**15.92**	**14.28**	**24.31**	**22.38**	**20.74**	**23.14**	**21.30**	**19.74**
16	24-5S	**32.11**	**28.95**	**25.97**	**38.23**	**35.19**	**32.61**	**33.46**	**30.17**	**27.06**
16	24-5P	**27.80**	**25.07**	**22.49**	**36.00**	**32.46**	**29.12**	**29.15**	**26.20**	**23.58**
16	24-7S	**29.04**	**26.18**	**23.49**	**37.24**	**33.58**	**30.12**	**30.38**	**27.40**	**24.58**
16	24-7P	**27.03**	**25.80**	**24.68**	**39.48**	**36.35**	**33.68**	**36.22**	**32.70**	**30.82**
17	20-29S	**20.57**	**18.54**	**16.63**	**25.88**	**23.33**	**20.93**	**24.46**	**22.05**	**19.78**
17	20-29P	**17.86**	**16.10**	**14.44**	**23.17**	**20.89**	**18.74**	**21.75**	**19.61**	**17.59**
19	22-14S	**18.89**	**17.03**	**15.28**	**26.88**	**24.23**	**21.74**	**25.64**	**23.12**	**20.74**
19	22-14P	**18.63**	**17.02**	**15.67**	**23.55**	**21.23**	**19.05**	**22.31**	**20.12**	**18.05**
20	28-16S	**29.28**	**26.96**	**24.97**	**32.46**	**29.27**	**26.25**	**27.97**	**25.75**	**23.86**
20	28-16P	**33.40**	**30.75**	**28.49**	**32.26**	**29.08**	**26.09**	**27.78**	**25.57**	**23.69**
22	28-11S	**39.08**	**35.23**	**31.61**	**40.66**	**36.66**	**32.89**	**37.69**	**33.99**	**30.49**
22	28-11P	**32.84**	**29.61**	**26.56**	**32.64**	**30.05**	**27.84**	**31.46**	**28.36**	**25.44**
24	24-28S	**36.62**	**33.56**	**30.90**	**34.07**	**31.37**	**29.06**	**29.08**	**26.22**	**23.52**
24	24-28P	**25.93**	**23.38**	**20.97**	**34.13**	**30.77**	**27.61**	**27.28**	**24.59**	**22.06**
30	32-8S	**49.10**	**44.27**	**39.71**	**45.99**	**42.34**	**39.22**	**50.64**	**45.66**	**40.96**
30	32-8P	**48.33**	**43.58**	**39.09**	**48.22**	**43.48**	**39.00**	**74.20**	**67.23**	**63.80**
35	28-15S	**43.71**	**39.41**	**35.36**	**45.30**	**40.84**	**36.64**	**42.33**	**38.17**	**34.24**
35	28-15P	**36.66**	**33.75**	**31.26**	**38.44**	**34.66**	**31.09**	**35.48**	**31.99**	**28.69**
37	28-21S	**38.60**	**34.81**	**31.22**	**40.19**	**36.23**	**32.50**	**37.22**	**33.56**	**30.11**
37	28-21P	**34.60**	**31.20**	**27.99**	**38.25**	**35.19**	**31.68**	**33.22**	**29.95**	**26.87**
52	32-414S	**95.05**	**85.70**	**76.88**	**94.45**	**85.16**	**76.39**	**96.59**	**87.09**	**78.13**
52	32-414P	**70.48**	**63.55**	**57.01**	**69.88**	**63.01**	**56.52**	**72.03**	**64.94**	**58.26**

AMPHENOL 97 Series Circular Connectors

Amphenol®

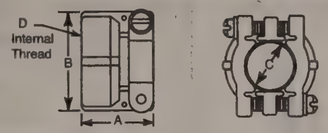
ACCESSORIES FOR AMPHENOL 97 SERIES CONNECTORS

Cable Clamp MS 3057A Type and Bushing

For quantities of 250 and up, call for quote.

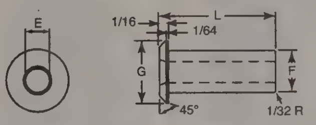
Cable Clamp MS3057A Type

For jacketed cable or wires protected by tubing. Both clamping halves float for maximum strain relief. For unjacketed cable or wires, use corresponding MS3420 bushing. Clamp and bushing can be ordered together.



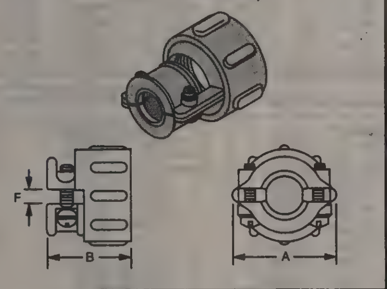
Bushing MS3420

Rubber bushing specifically designed for MS3057A type cable clamp. Can also be used as a reducing bushing. Order separately or with cable clamp.



MOUSER STOCK NO.	Amphenol Part No.	Shell Size	Description	Max. O.D. Cable	A (In.)	B (In.)	C (Dia.)	D Internal Thread	E (In.)	F (In.)	G (In.)	L (In.)	Price Each			
													1	10	25	50
654-97-3057-1004	97-3057-1004	10SL, 12S	Cable Clamp	5/16	.795	.842	5/16	5/8-24	---	---	---	---	5.44	4.85	4.55	4.15
654-97-79-513-3	97-79-513-3	10SL, 12S	Bushing	---	---	---	---	---	.130	.210	.374	2.875	.81	.70	.60	.54
654-97-79-513-4	97-79-513-4	10SL, 12S	Bushing	---	---	---	---	---	.220	.302	.500	2.750	.83	.75	.67	.54
654-97-3057-1004-1	97-3057-1004-1	10SL, 12S	Cable Clamp w/ bushing	5/16	---	---	---	---	---	---	---	---	5.44	4.90	4.39	3.57
654-97-3057-1007	97-3057-1007	12SL, 14S	Cable Clamp	7/16	.850	.995	7/16	3/4-20	---	---	---	---	3.85	3.47	3.11	3.05
654-97-79-513-6	97-79-513-6	12SL, 14S	Bushing	---	---	---	---	---	.312	.427	.614	2.625	.80	.73	.65	.61
654-97-3057-1007-1	97-3057-1007-1	12SL, 14S	Cable Clamp w/ bushing	7/16	---	---	---	---	---	---	---	---	5.63	5.08	4.54	3.70
654-97-3057-1008	97-3057-1008	16, 16S	Cable Clamp	9/16	.920	1.120	9/16	7/8-20	---	---	---	---	5.00	4.35	3.88	3.61
654-97-79-513-8	97-79-513-8	16, 16S	Bushing	---	---	---	---	---	.437	.552	.739	2.500	.67	.61	.54	.44
654-97-3057-1008-1	97-3057-1008-1	16, 16S	Cable Clamp w/ bushing	9/16	---	---	---	---	---	---	---	---	6.30	5.60	5.12	4.61
654-97-3057-1010	97-3057-1010	18	Cable Clamp	5/8	.920	1.216	5/8	1-20	---	---	---	---	5.06	3.68	2.76	2.59
654-97-79-513-10	97-79-513-10	18	Bushing	---	---	---	---	---	.562	.615	.889	2.375	.72	.65	.58	.47
654-97-3057-1010-1	97-3057-1010-1	18	Cable Clamp w/ bushing	5/8	---	---	---	---	---	---	---	---	5.47	4.93	4.41	3.46
654-97-3057-1012	97-3057-1012	20, 22	Cable Clamp	3/4	.927	1.403	3/4	1-3/16-18	---	---	---	---	5.15	4.68	3.81	3.56
654-97-79-513-12	97-79-513-12	20, 22	Bushing	---	---	---	---	---	.625	.740	1.084	2.250	.78	.71	.63	.51
654-97-3057-1012-1	97-3057-1012-1	20, 22	Cable Clamp w/ bushing	3/4	---	---	---	---	---	---	---	---	5.39	4.85	4.36	3.88
654-97-3057-1016	97-3057-1016	24, 28	Cable Clamp	15/16	1.015	1.683	15/16	1-7/16-18	---	---	---	---	4.33	3.90	3.49	2.84
654-97-79-513-12	97-79-513-12	24, 28	Bushing	---	---	---	---	---	.625	.740	1.084	2.250	.78	.71	.63	.51
654-97-79-513-16	97-79-513-16	24, 28	Bushing	---	---	---	---	---	.750	.927	1.309	2.125	1.07	.96	.86	.70
654-97-3057-1016-1	97-3057-1016-1	24, 28	Cable Clamp w/ bushing	15/16	---	---	---	---	---	---	---	---	6.89	6.22	5.56	4.53
654-97-79-513-20	97-79-513-20	32	Bushing	---	---	---	---	---	.937	1.240	1.591	2.000	1.64	1.49	1.17	1.09
654-97-3057-1020-1	97-3057-10-1	32	Cable Clamp w/ bushing	1-1/4	---	---	---	---	---	---	---	---	7.53	6.88	6.33	5.86

AN3057 Cable Clamp

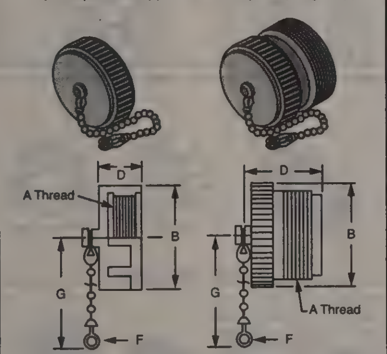


Cable Clamp AN3057

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	AN Size	Max. O.D. Cable	A (In.)	B (In.)	F (In.)	Threads	Price Each			
									1	10	25	50
654-97-3057-4	97-3057-4	10SL, 12S	4	5/16	25/32	1	3/16	5/8-24	6.58	6.01	5.54	5.13
654-97-3057-6	97-3057-6	14, 14S	6	7/16	15/16	1-5/64	3/16	3/4-20	6.70	6.15	5.50	5.20
654-97-3057-8	97-3057-8	16,16S	8	9/16	1-1/16	1-1/8	9/32	7/8-20	7.65	6.88	6.19	5.02
654-97-3057-10	97-3057-10	18	10	5/8	1-3/16	1-1/8	5/16	1-20	6.18	6.00	5.60	5.00
654-97-3057-12	97-3057-12	20, 22	12	3/4	1-3/8	1-3/16	5/16	1-3/16-18	6.80	5.75	5.34	5.14
654-97-3057-16	97-3057-16	24, 28	16	15/16	1-5/8	1-5/16	3/8	1-7/16-18	6.85	6.28	5.80	5.38
654-97-3057-20	97-3057-20	32	20	1-1/4	1-15/16	1-1/2	1/2	1-3/4-18	8.94	8.17	7.53	6.97

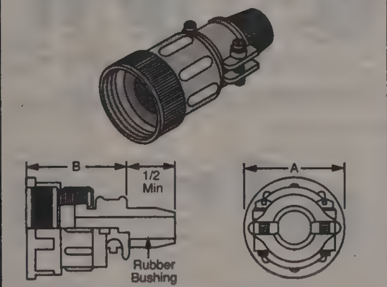
(Receptacle Cap) 9760 Caps (Plug Cap)



9760 Metal Protection Caps with Beaded Chain

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	A Threads	B (In.)	D (In.)	F (In.)	G (In.)	Price Each			
								1	10	25	50
For Receptacle Shells											
654-97-60-10	97-60-10	10S, 10SL	5/8-24	13/16	7/16	0.125	2-9/16	4.72	4.20	3.80	3.10
654-97-60-12	97-60-12	12, 12S, 12SL	3/4-20	15/16	7/16	0.125	2-9/16	4.73	4.26	3.67	3.28
654-97-60-14	97-60-14	14, 14S	7/8-20	1-1/16	7/16	0.125	2-9/16	3.93	3.54	3.18	2.68
654-97-60-16	97-60-16	16, 16S	1-20	1-1/8	7/16	0.167	4-5/8	5.02	4.55	4.16	3.83
654-97-60-18	97-60-18	18	1-1/8-18	1-5/16	7/16	0.167	4-5/8	5.54	4.98	4.49	3.64
654-97-60-20	97-60-20	20	1-1/4-18	1-7/16	7/16	0.167	4-5/8	6.79	6.12	5.51	4.47
654-97-60-22	97-60-22	22	1-3/8-18	1-9/16	7/16	0.167	4-5/8	8.51	7.66	6.60	5.89
654-97-60-24	97-60-24	24	1-1/2-18	1-11/16	7/16	0.167	4-5/8	10.15	9.13	8.22	6.67
654-97-60-28	97-60-28	28	1-3/4-18	1-59/64	1/2	0.167	4-5/8	11.76	10.58	9.12	8.14
654-97-60-32	97-60-32	32	2-18	2-3/16	1/2	0.190	5-3/4	18.13	16.32	14.07	12.55
For Plug Shells											
654-97-60-10P	97-60-10P	10S, 10SL	5/8-24	5/8	21/32	0.125	2-13/16	6.27	5.64	4.86	4.34
654-97-60-12P	97-60-12P	12, 12S, 12SL	3/4-20	3/4	27/32	0.125	3-13/16	12.33	11.10	9.57	8.54
654-97-60-14P	97-60-14P	14, 14S	7/8-20	7/8	27/32	0.125	3-13/16	7.10	6.39	5.75	5.18
654-97-60-16P	97-60-16P	16, 16S	1-20	1	27/32	0.167	4-5/8	9.04	8.14	7.02	6.26
654-97-60-18P	97-60-18P	18	1-1/8-18	1-1/8	27/32	0.167	4-5/8	11.28	10.18	9.11	7.42
654-97-60-20P	97-60-20P	20	1-1/4-18	1-1/4	27/32	0.167	4-5/8	20.49	18.44	15.90	14.18
654-97-60-22P	97-60-22P	22	1-3/8-18	1-3/8	27/32	0.167	4-5/8	19.21	17.84	15.86	14.25
654-97-60-24P	97-60-24P	24	1-1/2-18	1-1/2	27/32	0.167	4-5/8	20.58	18.95	17.05	15.92
654-97-60-28P	97-60-28P	28	1-3/4-18	1-3/4	27/32	0.167	4-5/8	15.56	14.00	12.07	10.77
654-97-60-32P	97-60-32P	32	2-18	2	27/32	0.260	5-3/4	36.72	33.55	29.94	25.95



9767 Cable Clamp

9767 Water Resistant Cable Clamp

The 9767 assembly includes AN3057 clamp, a rubber bushing, a washer and a AN3055 adapter.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	Max. O.D. Cable	A (In.)	B (In.)	Threads	Price Each			
							1	10	25	50
654-97-67-12-4	97-67-12-4	10SL, 12S, 12	7/32	25/32	1-17/32	5/8-24	20.98	18.92	16.31	14.55
654-97-67-14-4	97-67-14-4	12SL, 14S, 14	7/32	29/32	1-17/32	3/4-20	23.19	21.19	18.91	16.39
654-97-67-14-6	97-67-14-6	12SL, 14S, 14	11/32	29/32	1-1932	3/4-20	22.19	20.02	17.91	14.58
654-97-67-16-6	97-67-16-6	16S, 16	11/32	1-1/16	1-19/32	7/8-20	22.83	20.86	18.62	16.13
654-97-67-18-6	97-67-18-6	18	11/32	1-3/16	1-19/32	1-20	21.98	19.78	17.05	15.22
654-97-67-16-8	97-67-16-8	16S, 16	7/16	1-1/16	1-19/32	7/8-20	23.04	21.05	18.78	16.28
654-97-67-18-8	97-67-18-8	18	7/16	1-3/16	1-19/32	1-20	20.00	18.28	16.31	14.13
654-97-67-22-8	97-67-22-8	20, 22	7/16	1-3/8	1-19/32	1-3/16-18	20.62	18.84	16.82	14.57
654-97-67-18-10	97-67-18-10	18	9/16	1-3/16	1-19/32	1-20	20.64	18.90	16.21	15.13
654-97-67-22-10	97-67-22-10	20, 22	9/16	1-3/8	1-19/32	1-3/16-18	20.79	19.00	16.95	14.69
654-97-67-28-10	97-67-28-10	24, 28	9/16	1-5/8	1-17/32	1-7/16-18	26.66	24.36	21.74	18.84
654-97-67-22-12	97-67-22-12	20, 22	11/16	1-3/8	1-21/32	1-3/16-18	23.42	21.40	19.09	16.55
654-97-67-28-12	97-67-28-12	24, 28	11/16	1-5/8	1-21/32	1-7/16-18	30.21	27.60	24.63	21.35
654-97-67-28-16	97-67-28-16	24, 28	27/32	1-5/8	1-25/32	1-7/16-18	29.62	27.07	24.15	20.93

AMPHENOL 97 Series Circular Connectors

Amphenol®

RoHS Compliant **This page of product is compliant.**

RECEPTACLES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	Insert Arrangement	Contacts	Price Each			
					1	10	25	50
654-973100A12S3S946	97-3100A-12S-3S(946)	12S	3	2	12.67	11.62	10.25	9.29
654-973100A14S5P946	97-3100A-14S-5P(946)	14S	5	5	15.56	14.27	12.59	11.41
654-973100A1811P946	97-3100A-18-11P(946)	18	11	5	21.58	19.78	17.46	15.83
654-973101A14S2P946	97-3101A-14S-2P(946)	14S	2	4	14.87	13.12	11.89	11.29
654-973101A14S6P946	97-3101A-14S-6P(946)	14S	6	6	20.55	18.83	16.62	15.07
654-973101A1812S946	97-3101A-18-12S(946)	18	12	6	24.15	22.13	19.53	17.71
654-973101A2029P946	97-3101A-20-29P(946)	20	29	17	30.04	27.53	24.29	22.03
654-973101A2214P946	97-3101A-22-14P(946)	22	14	19	36.13	33.12	29.22	26.49
654-973102A10SL3P946	97-3102A-10SL-3P(946)	10SL	3	3	8.55	7.83	6.91	6.27
654-973102A10SL4P946	97-3102A-10SL-4P(946)	10SL	4	2	9.26	7.98	7.12	6.34
654-973102A14S5S946	97-3102A-14S-5S(946)	14S	5	5	11.31	10.37	9.15	8.29
654-973102A14S6S946	97-3102A-14S-6S(946)	14S	6	6	11.64	10.67	9.41	8.53
654-973102A1610P946	97-3102A-16-10P(946)	16	10	3	14.27	13.08	11.54	10.47
654-973102A16S1P946	97-3102A-16S-1P(946)	16S	1	7	11.35	10.40	9.18	8.32
654-973102A1811S946	97-3102A18-11S(946)	18	11	5	16.06	14.67	13.09	11.66
654-973102A2027P946	97-3102A-20-27P(946)	20	27	14	17.25	15.82	13.96	12.65
654-973102A2029S946	97-3102A-20-29S(946)	20	29	17	20.32	17.93	16.25	15.60
654-973102A2214S946	97-3102A22-14S(946)	22	14	19	25.78	21.82	19.42	18.17

MATING PLUGS

For quantities of 100 and up, call for quote.

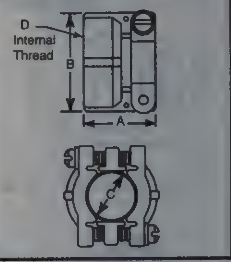
MOUSER STOCK NO.	Amphenol Part No.	Shell Size	Insert Arrangement	Contacts	Price Each			
					1	10	25	50
654-973106A12S3P946	97-3106A-12S-3P(946)	12S	3	2	12.13	11.12	9.81	8.89
654-973108B14S5S946	97-3108B-14S-5S(946)	14S	5	5	18.18	16.67	14.71	13.33
654-973106B1811S946	97-3106B-18-11S(946)	18	11	5	26.18	24.00	21.18	19.20
654-973106A14S2S946	97-3106A-14S-2S(946)	14S	2	4	15.05	13.80	12.18	11.04
654-973106A14S6S946	97-3106A-14S-6S(946)	14S	6	6	16.27	14.92	13.16	11.93
654-973106A1812P946	97-3106A-18-12P(946)	18	12	6	19.22	17.62	15.54	14.09
654-973106A2029S946	97-3106A-20-29S(946)	20	29	17	33.38	29.46	26.71	25.30
654-973106A2214S946	97-3106A-22-14S(946)	22	14	19	39.13	35.87	31.65	28.69
654-973106A10SL3S946	97-3106A-10SL-3S(946)	10SL	3	3	14.06	12.84	11.46	10.21
654-973106A10SL4S946	97-3106A-10SL-4S(946)	10SL	4	2	11.53	10.53	9.40	8.37
654-973106A14S5P946	97-3106A-14S-5P(946)	14S	5	5	15.56	14.27	12.59	11.41
654-973106A14S6P946	97-3106A-14S-6P(946)	14S	6	6	16.18	14.83	13.09	11.87
654-973106A1610S946	97-3106A-16-10S(946)	16	10	3	19.27	17.67	15.59	14.13
654-973106A16S1S946	97-3106A-16S-1S(946)	16S	1	7	17.00	15.56	14.20	13.20
654-973106A1811P946	97-3106A-18-11P(946)	18	11	5	18.70	16.50	14.96	14.20
654-973106A2027S946	97-3106A-20-27S(946)	20	27	14	30.05	27.55	24.31	22.04
654-973106A2029P946	97-3106A-20-29P(946)	20	29	17	27.32	24.10	21.85	21.00
654-973106A2214P946	97-3106A-22-14P(946)	22	14	19	31.16	28.57	25.21	22.85

ACCESSORIES FOR AMPHENOL 97 SERIES CONNECTORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	Description	Max O.D. Cable	A (in.)	B (in.)	C (in.)	D Infernal Thread	Price Each			
									1	10	25	50
654-9730571004621	97-3057-1004(621)	10SL,12S	Cable Clamp	5/16	0.795	0.842	5/16	5/8-24	7.96	7.17	6.32	5.45
654-97305710041621	97-3057-1004-1(621)	10SL,12S	Cable Clamp	5/16	-	-	-	-	8.28	7.52	6.90	6.35
654-9730571007621	97-3057-1007(621)	12S,14S	Cable Clamp	7/16	0.850	0.995	7/16	3/4-20	5.72	5.15	4.54	3.92
654-97305710071621	97-3057-1007-1(621)	12SL,14S	Cable Clamp w/bushing	7/16	-	-	-	-	8.36	7.53	6.63	5.73
654-9730571008621	97-3057-1008(621)	16,16S	Cable Clamp	9/16	0.920	1.120	9/16	7/8-20	7.56	6.81	6.00	5.18
654-97305710081621	97-3057-1008-1(621)	16,16S	Cable Clamp w/bushing	9/16	-	-	-	-	8.84	8.03	7.36	6.80
654-9730571010621	97-3057-1010(621)	18	Cable Clamp	5/8	0.920	1.216	5/8	1-20	6.38	5.75	5.06	4.37
654-97305710101621	97-3057-1010-1(621)	18	Cable Clamp w/bushing	5/8	-	-	-	-	6.34	5.71	5.03	4.34
654-9730571012621	97-3057-1012(621)	20,22	Cable Clamp w/bushing	3/4	0.927	1.403	3/4	1-3/16-18	7.62	6.86	6.05	5.22
654-97305710121621	97-3057-1012-1(621)	20,22	Cable Clamp	3/4	-	-	-	-	7.62	6.86	6.05	5.22
654-97305710161621	97-3057-1016(621)	24,28	Cable Clamp w/bushing	15/16	1.015	1.683	15/16	1-7/16-18	11.50	10.36	9.13	7.88
654-9730571016621	97-3057-1016-1(621)	24,28	Cable Clamp	15/16	-	-	-	-	6.29	5.54	4.78	4.40

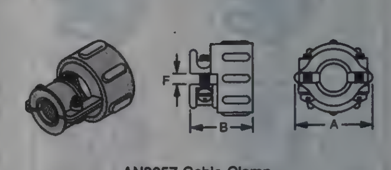
Cable Clamp MS3057A Type



Cable Clamp AN3057

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	AN Size	Max O.D. Cable	A (in.)	B (in.)	F (in.)	Threads	Price Each			
									1	10	25	50
654-9730574621	97-3057-4(621)	10SL,12S	4	5/16	25/32	1	3/16	5/8-24	8.30	7.48	6.59	5.68
654-9730576621	97-3057-6(621)	14,14S	6	7/16	15/16	1-5/64	3/16	3/4-20	8.46	7.62	6.71	5.79
654-9730578621	97-3057-8(621)	16,16S	8	9/16	1-1/16	1-1/8	9/32	7/8-20	9.12	8.22	7.24	6.25
654-97305710621	97-3057-10(621)	18	10	5/8	1-3/16	1-1/8	5/16	1-20	8.31	7.32	6.32	5.91
654-97305712621	97-3057-12(621)	20,22	12	3/4	1-3/8	1-3/16	5/16	1-3/16-18	9.28	8.36	7.37	6.36
654-97305716621	97-3057-16(621)	24,28	16	15/16	1-5/8	1-5/16	3/8	1-7/16-18	8.58	7.73	6.81	5.88

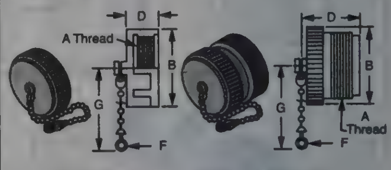


AN3057 Cable Clamp

9760 Metal Protection Caps with Beaded Chain

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	A Threads	B (in.)	D (in.)	F (in.)	G (in.)	Price Each			
								1	10	25	50
For Receptacle Shells											
654-976010621	97-60-10(621)	10S,10SL	5/8-24	13/16	7/16	.125	2-9/16	4.94	4.59	3.78	3.43
654-976016621	97-60-16(621)	16,16S	1-20	1-1/18	7/16	.167	4-5/8	5.42	4.93	4.17	3.61
654-976018621	97-60-18(621)	18	1-1/8-18	1-5/16	7/16	.167	4-5/8	6.45	5.98	5.48	5.06
654-976020621	97-60-20(621)	20	1-1/4-18	1-7/16	7/16	.167	4-5/8	7.62	6.96	6.41	5.94
654-976022621	97-60-22(621)	22	1-3/8-18	1-9/16	7/16	.167	4-5/8	8.20	7.45	6.31	5.47
For Plug Shells											
654-976018P621	97-60-18P(621)	18	1-1/8-18	1-1/8	27/32	.167	4-5/8	9.55	8.08	7.00	6.65

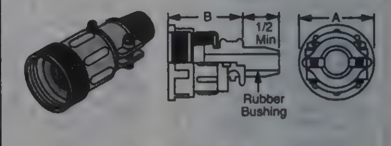


(Receptacle Cap) 9760 (Plug Cap)

9767 Water Resistant Cable Clamp

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Shell Size	Max O.D. Cable	A (in.)	B (in.)	Threads	Price Each			
							1	10	25	50
654-9767124621	97-67-12-4(621)	10SL,12S,12	7/32	25/32	1-17/32	5/8-24	20.90	19.00	17.41	16.07
654-9767144621	97-67-14-4(621)	12SL,14S,14	7/32	29/32	1-17/32	3/4-20	21.32	19.38	16.40	14.21
654-9767188621	97-67-18-8(621)	18	7/16	1-3/16	1-19/32	1-20	21.06	19.15	17.55	16.20
654-97672210621	97-67-22-10(621)	20,22	9/16	1-3/8	1-19/32	1-3/16-18	22.56	20.51	17.35	15.04



9767 Cable Clamp

MIL-C-5015 TYPE CIRCULAR CONNECTORS, SOLDER CONTACTS

Features:

- Threaded couplings with single key/keyway polarization
- Durable, field-proven design
- Black resilient neoprene insert material
- All connectors shipped assembled and individually packaged

Materials:

- Shells: Fabricated from high grade aluminum alloy with an olive drab chromate finish
- Contacts: Machined copper alloy with a silver plated finish
- Inserts: Black resilient neoprene

Connector Class:

- A-Type: Solid shell for general, non-environmental applications.
- E-Type: Environmental resisting, designed for applications where the connector will be exposed to moisture, vibration, and rapid changes in pressure and temperature.
- F-Type: Environmental resisting with strain relief, designed for applications where the connector will be exposed to moisture, vibration, and rapid changes in pressure and temperature.
- R-Type: Lightweight environmental resisting, shorter in length and lighter in weight than the E and F types.

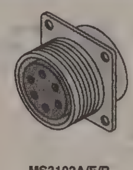
Insert Arrangements:

- See the insert arrangement table in the 97 series catalog section.

Mating Information:

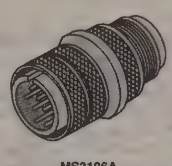
- Receptacles mate with plugs on the same line.

Receptacles



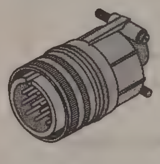
MS3102A/E/R

Plug



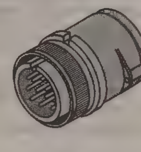
MS3106A

Plug



MS3106F

Plug



MS3106R

Box Mount Receptacles **Mating Plugs**

For quantities of 100 and up, call for quote.

# of Pos.	Insert Arrangement	Contact Size	Test Current	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each			MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each		
							1	10	25				1	10	25
A-Type - Standard Duty															
2	10SL-4	#16	13A	654-MS3102A10SL-4P	MS3102A10SL-4P	Pin	13.00	11.80	10.65	654-MS3106A10SL-4S	MS3106A10SL-4S	Socket	16.24	14.64	13.13
3	10SL-3	#16	13A	654-MS3102A10SL-3P	MS3102A10SL-3P	Pin	7.56	6.82	6.12	654-MS3106A10SL-3S	MS3106A10SL-3S	Socket	16.76	15.11	13.56
3	16-10	#12	23A	654-MS3102A16-10P	MS3102A16-10P	Pin	8.30	7.60	7.00	654-MS3106A16-10S	MS3106A16-10S	Socket	18.02	16.25	14.57
4	14S-2	#16	13A	654-MS3102A14S-2P	MS3102A14S-2P	Pin	7.93	7.15	6.41	654-MS3106A14S-2S	MS3106A14S-2S	Socket	14.18	12.79	11.47
4	14S-2	#16	13A	654-MS3102A14S-2S	MS3102A14S-2S	Socket	8.48	7.80	7.20	654-MS3106A14S-2P	MS3106A14S-2P	Pin	12.76	11.51	10.32
5	14S-5	#16	13A	654-MS3102A14S-5P	MS3102A14S-5P	Pin	7.92	7.20	6.70	654-MS3106A14S-5S	MS3106A14S-5S	Socket	14.35	12.93	11.60
5	14S-5	#16	13A	654-MS3102A14S-5S	MS3102A14S-5S	Socket	9.05	8.40	7.80	654-MS3106A14S-5P	MS3106A14S-5P	Pin	13.11	11.82	10.60
6	14S-6	#16	13A	654-MS3102A14S-6P	MS3102A14S-6P	Pin	8.18	7.38	6.62	654-MS3106A14S-6S	MS3106A14S-6S	Socket	15.38	13.84	12.45
6	14S-6	#16	13A	654-MS3102A14S-6S	MS3102A14S-6S	Socket	9.56	7.43	6.90	654-MS3106A14S-6P	MS3106A14S-6P	Pin	13.49	12.16	10.91
7	16S-1	#16	13A	654-MS3102A16S-1P	MS3102A16S-1P	Pin	9.38	8.60	8.10	654-MS3106A16S-1S	MS3106A16S-1S	Socket	18.55	16.95	15.60
7	16S-1	#16	13A	654-MS3102A16S-1S	MS3102A16S-1S	Socket	10.84	9.77	8.76	654-MS3106A16S-1P	MS3106A16S-1P	Pin	14.96	13.76	12.38
10	18-1	#16	13A	654-MS3102A18-1P	MS3102A18-1P	Pin	11.43	10.50	9.80	654-MS3106A18-1S	MS3106A18-1S	Socket	20.93	18.87	16.93
10	18-1	#16	13A	654-MS3102A18-1S	MS3102A18-1S	Socket	14.58	13.15	11.79	654-MS3106A18-1P	MS3106A18-1P	Pin	18.43	16.59	14.93
E/F-Type - Environmental Resisting															
2	10SL-4	#16	13A	654-MS3102E10SL-4P	MS3102E10SL-4P	Pin	6.98	6.29	5.67	654-MS3106F10SL-4S	MS3106F10SL-4S	Socket	17.26	15.53	13.98
3	10SL-3	#16	13A	654-MS3102E-10SL-3P	MS3102E10SL-3P	Pin	7.47	6.72	6.05	654-MS3106F-10SL-3S	MS3106F10SL-3S	Socket	16.82	15.14	13.62
3	14S-7	#16	13A	654-MS3102E14S-7P	MS3102E14S-7P	Pin	7.89	7.11	6.38	654-MS3106F14S-7S	MS3106F14S-7S	Socket	19.60	17.67	15.85
3	14S-7	#16	13A	654-MS3102E14S-7S	MS3102E14S-7S	Socket	8.67	7.82	7.01	654-MS3106F14S-7P	MS3106F14S-7P	Pin	18.82	16.97	15.22
3	16-10	#12	23A	654-MS3102E16-10P	MS3102E16-10P	Pin	9.07	8.18	7.34	654-MS3106F16-10S	MS3106F16-10S	Socket	25.58	23.07	20.69
3	16-10	#12	23A	654-MS3102E16-10S	MS3102E16-10S	Socket	10.27	9.26	8.31	654-MS3106F16-10P	MS3106F16-10P	Pin	24.36	21.97	19.71
4	14S-2	#16	13A	654-MS3102E14S-2P	MS3102E14S-2P	Pin	8.29	7.48	6.71	654-MS3106F14S-2S	MS3106F14S-2S	Socket	20.18	18.20	16.32
4	14S-2	#16	13A	654-MS3102E14S-2S	MS3102E14S-2S	Socket	9.25	8.34	7.49	654-MS3106F14S-2P	MS3106F14S-2P	Pin	19.22	17.33	15.54
4	18-4	#16	13A	654-MS3102E18-4P	MS3102E18-4P	Pin	9.91	8.93	8.01	654-MS3106F18-4S	MS3106F18-4S	Socket	24.05	22.14	20.51
4	18-4	#16	13A	654-MS3102E18-4S	MS3102E18-4S	Socket	11.04	9.95	8.93	654-MS3106F18-4P	MS3106F18-4P	Pin	22.98	21.16	19.60
4	20-4	#12	23A	654-MS3102E20-4P	MS3102E20-4P	Pin	11.20	10.10	9.06	654-MS3106F20-4S	MS3106F20-4S	Socket	29.64	26.72	23.97
4	20-4	#12	23A	654-MS3102E20-4S	MS3102E20-4S	Socket	12.96	11.69	10.49	654-MS3106F20-4P	MS3106F20-4P	Pin	27.87	25.13	22.54
4	22-22	#8	46A	654-MS3102E22-22P	MS3102E22-22P	Pin	17.25	15.56	13.96	654-MS3106F22-22S	MS3106F22-22S	Socket	40.67	36.67	32.90
4	22-22	#8	46A	654-MS3102E22-22S	MS3102E22-22S	Socket	24.05	21.69	19.46	654-MS3106F22-22P	MS3106F22-22P	Pin	33.85	30.52	27.38
5	14S-5	#16	13A	654-MS3102E14S-5P	MS3102E14S-5P	Pin	8.65	7.80	7.00	654-MS3106F14S-5S	MS3106F14S-5S	Socket	20.80	18.75	16.82
5	14S-5	#16	13A	654-MS3102E14S-5S	MS3102E14S-5S	Socket	9.87	8.90	7.99	654-MS3106F14S-5P	MS3106F14S-5P	Pin	19.56	17.64	15.82
5	16S-8	#16	13A	654-MS3102E16S-8P	MS3102E16S-8P	Pin	9.05	8.16	7.32	654-MS3106F16S-8S	MS3106F16S-8S	Socket	24.25	21.82	19.64
5	16S-8	#16	13A	654-MS3102E16S-8S	MS3102E16S-8S	Socket	10.29	9.28	8.32	654-MS3106F16S-8P	MS3106F16S-8P	Pin	23.01	20.72	18.64
5	18-11	#12	23A	654-MS3102E18-11P	MS3102E18-11P	Pin	17.45	15.74	14.12	654-MS3106F18-11S	MS3106F18-11S	Socket	27.40	24.70	22.16
6	14S-6	#16	13A	654-MS3102E14S-6P	MS3102E14S-6P	Pin	9.02	8.12	7.31	654-MS3106F14S-6S	MS3106F14S-6S	Socket	21.33	19.23	17.25
6	14S-6	#16	13A	654-MS3102E14S-6S	MS3102E14S-6S	Socket	10.44	9.41	8.44	654-MS3106F14S-6P	MS3106F14S-6P	Pin	20.40	18.70	17.26
7	16S-1	#16	13A	654-MS3102E16S-1P	MS3102E16S-1P	Pin	10.24	9.23	8.28	654-MS3106F16S-1S	MS3106F16S-1S	Socket	25.56	23.05	20.68
7	16S-1	#16	13A	654-MS3102E16S-1S	MS3102E16S-1S	Socket	11.67	10.52	9.44	654-MS3106F16S-1P	MS3106F16S-1P	Pin	24.13	21.75	19.51
8	20-7	#16	13A	654-MS3102E20-7S	MS3102E20-7S	Socket	14.40	12.98	11.65	654-MS3106F20-7P	MS3106F20-7P	Pin	28.95	26.10	23.41
10	18-1	#16	13A	654-MS3102E18-1P	MS3102E18-1P	Pin	12.45	11.23	10.07	654-MS3106F18-1S	MS3106F18-1S	Socket	29.29	26.80	24.50
10	18-1	#16	13A	654-MS3102E18-1S	MS3102E18-1S	Socket	14.96	13.49	12.10	654-MS3106F18-1P	MS3106F18-1P	Pin	26.78	24.15	21.66
14	20-27	#16	13A	654-MS3102E20-27P	MS3102E20-27P	Pin	14.82	13.36	11.99	654-MS3106F20-27S	MS3106F20-27S	Socket	35.00	31.56	28.31
14	20-27	#16	13A	654-MS3102E20-27S	MS3102E20-27S	Socket	18.29	16.49	14.79	654-MS3106F20-27P	MS3106F20-27P	Pin	31.53	28.43	25.50
14	22-19	#16	13A	654-MS3102E22-19S	MS3102E22-19S	Socket	18.71	16.87	15.13	654-MS3106F22-19P	MS3106F22-19P	Pin	31.44	28.34	25.43
17	20-29	#16	13A	654-MS3102E20-29P	MS3102E20-29P	Pin	16.11	14.52	13.03	654-MS3106F20-29S	MS3106F20-29S	Socket	36.91	33.28	29.85
17	20-29	#16	13A	654-MS3102E20-29S	MS3102E20-29S	Socket	20.22	18.23	16.35	654-MS3106F20-29P	MS3106F20-29P	Pin	32.78	29.56	26.51
19	22-14	#16	13A	654-MS3102E22-14P	MS3102E22-14P	Pin	17.20	15.51	13.91	654-MS3106F22-14S	MS3106F22-14S	Socket	38.56	34.77	31.19
19	22-14	#16	13A	654-MS3102E22-14S	MS3102E22-14S	Socket	21.93	19.77	17.74	654-MS3106F22-14P	MS3106F22-14P	Pin	33.84	30.51	27.37
24	24-28	#16	13A	654-MS3102E24-28P	MS3102E24-28P	Pin	20.15	18.16	16.29	654-MS3106F24-28S	MS3106F24-28S	Socket	45.44	40.97	36.75
24	24-28	#16	13A	654-MS3102E24-28S	MS3102E24-28S	Socket	27.24	24.56	22.03	654-MS3106F24-28P	MS3106F24-28P	Pin	38.35	34.57	31.01
37	28-21	#16	13A	654-MS3102E28-21P	MS3102E28-21P	Pin	26.47	23.87	21.41	654-MS3106F28-21S	MS3106F28-21S	Socket	56.00	50.49	45.29
37	28-21	#16	13A	654-MS3102E28-21S	MS3102E28-21S	Socket	36.55	32.95	29.56	654-MS3106F28-21P	MS3106F28-21P	Pin	45.95	41.43	37.16
R-Type - Lightweight Environmental															
2	10SL-4	#16	13A	654-MS3102R10SL-4P	MS3102R10SL-4P	Pin	7.47	6.72	6.05	654-MS3106R10SL-4S	MS3106R10SL-4S	Socket	20.42	18.41	16.51
2	16-11	#12	23A	654-MS3102R16-11P	MS3102R16-11P	Pin	8.47	7.64	6.85	654-MS3106R16-11S	MS3106R16-11S	Socket	20.75	18.70	16.78
3	10SL-3	#16	13A	654-MS3102R10SL-3P	MS3102R10SL-3P	Pin	7.32	6.74	6.06	654-MS3106R10SL-3S	MS3106R10SL-3S	Socket	21.44	19.33	17.34
4	14S-2	#16	13A	654-MS3102R14S-2P	MS3102R14S-2P	Pin	4.93	4.54	4.21	654-MS3106R14S-2S	MS3106R14S-2S	Socket	17.44	15.72	14.10
5	14S-5	#16	13A	654-MS3102R14S-5P	MS3102R14S-5P	Pin	8.65	7.80	7.00	654-MS3106R14S-5S	MS3106R14S-5S	Socket	17.53	16.14	14.96
6	14S-6	#16	13A	654-MS3102R14S-6P	MS3102R14S-6P	Pin	7.76	7.00	6.28	654-MS3106R14S-6S	MS3106R14S-6S	Socket	19.05	17.18	15.41
6	14S-6	#16	13A	654-MS3102R14S-6S	MS3102R14S-6S	Socket	10.44	9.41	8.44	654-MS3106R14S-6P	MS3106R14S-6P	Pin	17.64	15.90	14.26
7	16S-1	#16	13A	654-MS3102R16S-1P	MS3102R16S-1P	Pin	10.24	9.23	8.28	654-MS3106R16S-1S	MS3106R16S-1S	Socket	20.38	18.76	17.38
3+6	24-11	#8/12	46/23A	654-MS3102R24-11P	MS3102R24-11P	Pin	19.53	17.90	16.60	654-MS3106R24-11S	MS3106R24-11S	Socket	41.78	37.67	33.79
10	18-1	#16	13A	654-MS3102R18-1P	MS3102R18-1P	Pin	12.45	11.23	10.07	654-MS3106R18-1S	MS3106R18-1S	Socket	26.02	23.46	21.04

PT SERIES SOLDER TYPE (MIL-C-26482, SERIES 1)

Amphenol Miniature Cylindrical connectors offer twice the number of contacts in just half the size of a standard connector. The PT series offers quick positive three point bayonet lock coupling. A complete connector assembly consists of a shell with an installed insert. **All connectors shipped fully assembled, labeled and individually packaged.**

Features:

- Medium size, widely used cylindrical connector
- Corrosion resistant cadmium plate with an olive drab chromate finish
- Five key/keyway polarization
- Quick positive three point bayonet lock coupling
- Audible, tactile and visual indication of full coupling
- Suitable for wide temperature range
- Spring tension provided by a wave washer ensures maintenance of interfacial seal between mating halves
- Resilient neoprene insert and main joint gasket provides excellent moisture sealing and superior electrical contact isolation
- Some styles available in RoHS Compliant versions

Materials:

- Shells: High grade aluminum alloy, with a conductive cadmium plate finish and an olive drab chromate after treatment.
- Inserts: Black resilient neoprene
- Contacts: Gold plated copper alloy. Socket contacts are a closed entry design.

Specifications:

- Temperature range: -65°C to +257°C
- Current rating: 7.5 Amps to 23 Amps

Quick selection guide for the standard Amphenol PT series.

1. **How many wires are you going to connect and what guage?**
   Use the insert arrangement table on the following page for selecting insert configuration.
2. **What kind of receptacle shell do you need? The plug only mates with receptacles.**
   Box Mount: PT02, Jam Nut: PT07, Wall Mount: PT00
3. **Which connector shell gets the socket insert? The receptacle or the plug shell?**
   Either pin or socket inserts can be used with plug or receptacle shells. The rule of thumb is use the socket insert for the connector on the "hot" side of circuit.

PT Service Classes:

A General Duty; back shell is threaded for conduit attachment of MS3057 cable clamp†

A (SR) General Duty; with strain relief clamp for cable or wire bundle support

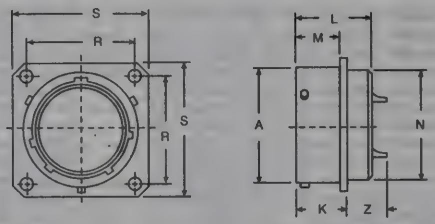
E Environmental resistant connectors - supplied with a multi-holed grommet and clamping nut for moisture-proofing individual open wires

E (SR) Environmental resistant strain relief clamp and grommet for moisture proofing individual wires; provides added wire bundle support

† PT02 Shells do not have a threaded back shell

UL Recognition
File #E115497

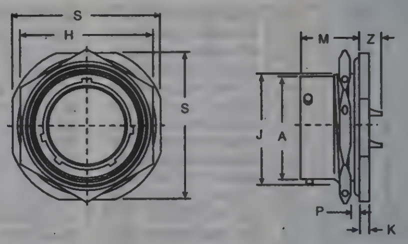
PT02 Box Mount Receptacle



DIMENSIONS (IN)

Shell Size	R	S	A +.001 -.005	K +.020 -.010	L Max.	M +.010 -.000	N Dia. Max.	Z Max.
8	.594	.812	.473	.493	.825	.431	.449	.465
10	.719	.938	.590	.493	.825	.431	.573	.465
12	.812	1.031	.750	.493	.825	.431	.699	.465
14	.906	1.125	.875	.493	.825	.431	.823	.465
16	.969	1.219	1.000	.493	.825	.431	.949	.465
18	1.062	1.312	1.125	.493	.825	.431	1.073	.465
20	1.156	1.438	1.250	.650	1.076	.556	1.199	.526
22	1.250	1.562	1.375	.650	1.076	.556	1.323	.526
24	1.375	1.688	1.500	.683	1.109	.589	1.449	.493

PT07 Jam Nut Receptacle



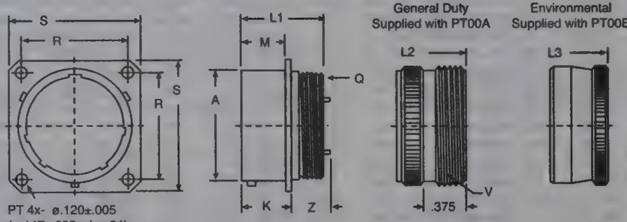
DIMENSIONS (IN)

Shell Size	H ±..016	S	A +.001 -.005	J Flat +.000 -.010	K +.011 -.010	M	Z	P Panel Thickness	
								Min.	Max.
8	.750	.938	.473	.530	.125	.696	.231	.062	.125
10	.875	1.062	.590	.655	.125	.696	.231	.062	.125
12	1.062	1.250	.750	.818	.125	.696	.231	.062	.125
14	1.188	1.375	.875	.942	.125	.696	.231	.062	.125
16	1.312	1.500	1.000	1.066	.125	.696	.231	.062	.125
18	1.438	1.625	1.125	1.191	.125	.696	.231	.062	.125
20	1.562	1.812	1.250	1.316	.156	.884	.261	.062	.250
22	1.688	1.938	1.375	1.441	.156	.884	.261	.062	.250
24	1.816	2.062	1.500	1.566	.156	.917	.228	.062	.250

PT00 Wall Mount Receptacle

General Duty
Supplied with PT00A

Environmental
Supplied with PT00E

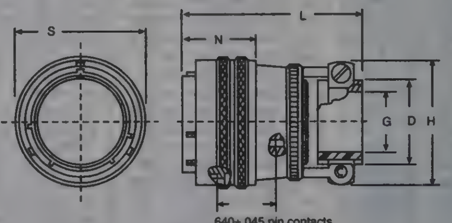


PT 4x- ø.120±.005
(ø.147±.005, size 24)

DIMENSIONS (IN)

Shell Size	R	S	A +.001 -.005	K +.020 -.010	L1 Max.	L2 A Class	L3 E Class	M +.010 -.000	Z Max.	Q Thread	V Thread
8	.594	.812	.473	.493	.825	1.553	1.266	.431	.468	.4375-28	.5000-28
10	.719	.938	.590	.493	.825	1.553	1.266	.431	.468	.5625-24	.6250-24
12	.812	1.031	.750	.493	.825	1.553	1.266	.431	.468	.6875-24	.7500-20
14	.906	1.125	.875	.493	.825	1.553	1.266	.431	.468	.8125-20	.8750-20
16	.969	1.219	1.000	.493	.825	1.553	1.266	.431	.468	.9375-20	1.0000-20
18	1.062	1.312	1.125	.493	.825	1.553	1.266	.431	.531	1.0625-18	1.1875-18
20	1.156	1.438	1.250	.650	1.076	1.703	1.516	.556	.531	1.1875-18	1.1875-18
22	1.250	1.562	1.375	.650	1.076	1.703	1.516	.556	.531	1.3125-18	1.4375-18
24	1.375	1.688	1.500	.683	1.076	1.765	1.578	.589	.498	1.4375-18	1.4375-18

PT06-SR Straight Plug with Strain Relief



.640±.045 pin contacts
.579±.045 socket contacts

DIMENSIONS (IN)

Shell Size	S Max.	L	N Max.	D Min.	G	H Max.
8	.750	1.906	.906	.240	.125	.812
10	.859	1.906	.906	.302	.188	.875
12	1.013	1.906	.906	.428	.312	1.000
14	1.156	1.906	.906	.552	.375	1.125
16	1.281	2.047	.906	.615	.500	1.188
18	1.319	2.078	.906	.740	.625	1.438
20	1.531	2.250	1.062	.740	.625	1.438
22	1.656	2.250	1.062	.928	.750	1.625
24	1.776	2.312	1.062	.990	.800	1.750

PT SERIES SOLDER TYPE (MIL-C-26482, SERIES 1) (CONT.)

Contact Specifications

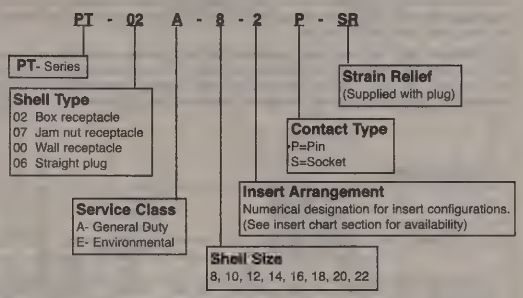
Contact Size	Test Current	Maximum Milivolt Drop†	Solder Well Diameter	Solder Well Depth	Wire Gauge (AWG)
20	7.5A	55	0.046"	0.125"	20-24
16	13A	50	0.078"	0.188"	16-22

† Silver plated wire per MIL-C-26482

Service Ratings

Service Class	Recommended Operating AC Voltage @ Sea Level	Test Voltage AC (RMS), 60 cps			
		Sea Level	50,000 ft.	70,000 ft.	110,000 ft.
I	600	1,500	500	375	200
II	1,000	2,300	750	500	200

How to build a standard Amphenol PT series part number:



PT - 02 A - 8 - 2 P - SR

PT- Series

Shell Type
02 Box receptacle
07 Jam nut receptacle
00 Wall receptacle
06 Straight plug

Service Class
A- General Duty
E- Environmental

Shell Size
8, 10, 12, 14, 16, 18, 20, 22

Insert Arrangement
Numerical designation for insert configurations.
(See insert chart section for availability)

Contact Type
P=Pin
S=Socket

Strain Relief
(Supplied with plug)

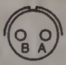
Contact Legend:

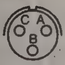
● #16
○ #20

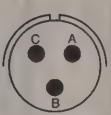
Recognition File #E115497

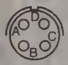
Insert Arrangements (Front View of Pin Insert)

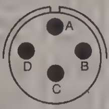
(Drawings Not to Scale)

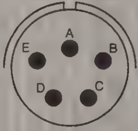


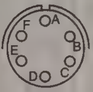


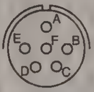


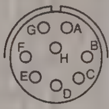




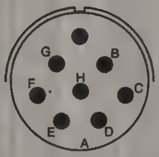


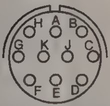
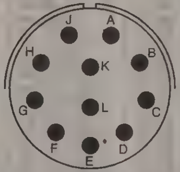


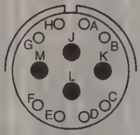
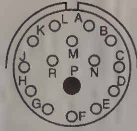
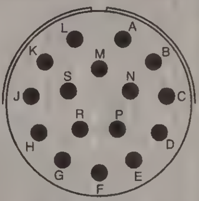




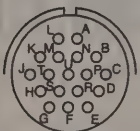
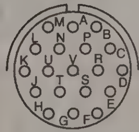
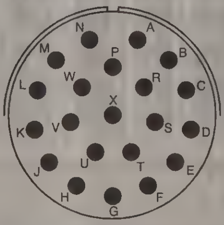
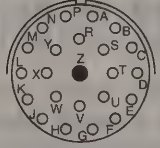
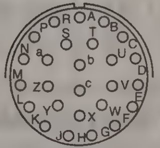
Insert Arrangement	8-2	8-3	12-3	8-4	12-4	14-5	10-6	10-98	12-8
Contacts	2 #20	3 #20	3 #16	4 #20	4 #16	5 #16	6 #20	6 #20	8 #20
Service Rating	I	I	II	I	I	II	I	I	I



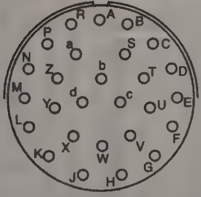
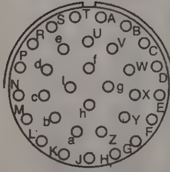
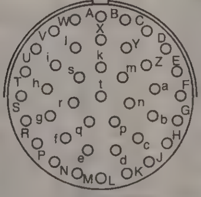
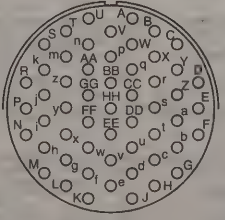
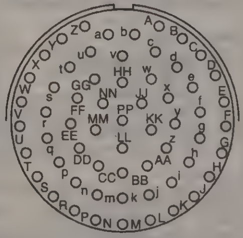



Insert Arrangement	16-8	12-10	18-11	14-12	14-15	20-16
Contacts	8 #16	10 #20	11 #16	8 #20 4 #16	14 #20 1 #16	16 #16
Service Rating	II	I	II	I	I	II

Insert Arrangement	14-18	14-19	22-21	16-23	16-26
Contacts	18 #20	19 #20	21 #16	22 #20 1 #16	26 #20
Service Rating	I	I	II	I	I

Insert Arrangement	20-27	18-32	20-41	22-55	24-61
Contacts	27 #20	32 #20	41 #20	55 #20	61 #20
Service Rating	I	I	I	I	I

PT SERIES SOLDER TYPE (MIL-C-26482, SERIES 1) (CONT.)

How to build a standard Amphenol PT series part number:

Combine the shell part number with insert arrangement number to complete the Amphenol part number.
Receptacle Example: From the table below, combine a box mount shell number (**PT02A-**) with an insert number (**8-2P**) to create a complete Amphenol part number (**PT02A-8-2P**).

Plug Example: From the table below, combine a plug shell number (**PT06A-SR**) with an insert number (**8-2S**) to create a complete Amphenol part number (**PT06A-8-2S-SR**). The standard Amphenol PT series shells are constructed with a high grade aluminum alloy and come in a olive drab chromate finish. The black resilient neoprene inserts have pre-installed gold plated contacts with solder cups. **All connectors are shipped fully assembled, labeled, and individually packaged.** For complete connector specifications and descriptions see the previous pages.

To make a mating receptacle - plug connection:

From the table below, select a plug combination off of the same line as the selected receptacle combination. For Example: A **PT02A-8-2P** box mount receptacle will mate with any of the plugs with the **8-2S** insert.
Receptacles only mate with plugs on the same line.

Recognition
File #E115497

PT Receptacles

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size and Insert	General Duty Box Mount PT02A-			General Duty Jam Nut PT07A-			General Duty Wall Mount PT00A-			Environmental Wall Mount PT00E-		
		Price Each			Price Each			Price Each			Price Each		
		1	10	25	1	10	25	1	10	25	1	10	25
2	8-2P	8.82	7.95	7.13	21.45	19.34	17.35	12.99	11.96	11.08	15.13	13.64	12.23
2	8-2S	10.11	9.12	8.18	21.95	19.79	17.75	13.47	12.40	11.48	15.63	14.09	12.64
3	8-3P	8.63	7.79	6.98	21.27	19.17	17.20	12.81	11.80	10.93	14.32	13.18	12.21
3	8-3S	9.84	8.87	7.96	22.47	20.26	18.17	13.95	12.85	11.90	15.46	14.23	13.19
3	12-3P	11.02	9.93	8.91	24.55	22.14	19.86	15.33	13.82	12.40	18.32	16.52	14.82
3	12-3S	12.26	11.05	9.91	24.75	22.79	21.11	16.88	15.22	13.65	19.88	17.92	16.08
4	8-4P	9.31	8.39	7.53	22.28	20.09	18.02	13.86	12.50	11.21	15.24	13.74	12.33
4	8-4S	9.78	8.82	7.91	22.57	20.35	18.25	14.82	13.36	11.98	16.20	14.60	13.10
4	12-4P	16.99	15.32	13.75	30.84	27.80	24.94	21.62	19.49	17.48	32.49	29.30	26.28
4	12-4S	19.56	17.64	15.82	33.69	30.38	27.25	24.19	21.81	19.56	35.06	31.61	28.36
5	14-5P	13.08	11.79	10.58	26.51	23.86	21.47	18.14	16.35	14.67	20.73	18.69	16.77
5	14-5S	15.56	14.03	12.59	28.99	26.14	23.45	20.62	18.59	16.68	22.01	20.27	18.78
6	10-6P	9.55	8.61	7.72	22.99	20.73	18.59	15.02	13.54	12.15	17.20	15.51	13.91
6	10-6S	10.99	9.91	8.89	15.33	13.80	12.42	15.62	14.38	13.32	18.64	16.81	15.08
6	10-98P	9.72	8.76	7.86	22.70	20.47	18.36	13.98	12.87	11.93	17.54	15.81	14.19
6	10-98S	11.15	10.05	9.02	22.89	21.07	19.52	16.18	14.59	13.09	17.99	16.56	15.34
8	12-8P	10.96	9.88	8.86	24.54	22.13	19.85	14.53	13.38	12.39	18.49	16.67	14.95
8	12-8S	12.68	11.43	10.25	26.52	23.91	21.45	17.30	15.60	13.99	20.46	18.45	16.55
8	16-8P	16.01	14.44	12.95	33.69	30.39	27.26	21.02	19.36	17.93	23.79	21.90	20.29
8	16-8S	20.08	18.10	16.24	35.08	31.63	28.38	24.88	22.91	21.22	29.15	26.28	23.58
10	12-10P	12.66	11.51	10.55	25.01	22.55	20.23	14.97	13.78	12.77	18.95	17.09	15.33
10	12-10S	13.63	12.29	11.03	27.48	24.78	22.22	17.12	15.77	14.61	21.42	19.31	17.33
11	18-11P	17.56	15.83	14.20	32.62	29.41	26.38	24.20	21.82	19.58	27.95	25.20	22.60
11	18-11S	22.06	20.31	18.82	38.32	34.55	30.99	29.91	26.96	24.19	31.91	29.38	27.22
12	14-12P	13.71	12.36	11.09	28.36	25.46	23.50	18.77	16.92	15.18	21.64	19.51	17.50
12	14-12S	17.75	16.01	14.36	31.18	28.12	25.22	22.81	20.57	18.45	24.35	22.42	20.77
15	14-15P	14.40	13.25	11.92	25.34	23.33	21.61	18.35	16.54	14.84	22.93	21.11	19.55
15	14-15S	17.22	15.53	13.93	30.65	27.64	24.79	21.13	19.45	18.02	28.11	25.34	22.74
16	20-16P	23.46	21.15	18.97	39.98	36.04	32.33	31.97	28.83	25.86	33.24	30.60	28.35
16	20-16S	28.61	26.34	24.40	43.84	40.36	37.40	38.23	34.47	30.92	39.17	36.07	33.41
18	14-18P	14.30	12.89	11.57	28.47	25.67	23.02	18.36	16.90	15.66	22.00	19.84	17.79
18	14-18S	19.18	17.29	15.51	30.92	28.47	26.38	22.99	21.16	19.61	26.88	24.24	21.74
19	14-19P	14.41	12.99	11.65	27.84	25.10	22.52	19.47	17.55	15.75	20.86	19.21	17.80
19	14-19S	18.89	16.98	15.30	32.54	29.34	26.32	23.94	21.59	19.36	26.47	23.87	21.41
21	22-21P	28.09	25.33	22.72	40.86	37.62	34.85	33.49	30.83	28.57	37.86	34.85	32.29
21	22-21S	36.89	33.26	29.83	49.20	45.29	41.96	41.83	38.51	35.68	46.20	42.53	39.40
23	16-23P	16.71	15.07	13.52	30.08	27.69	25.65	22.87	20.62	18.50	26.07	24.00	22.24
23	16-23S	22.67	20.44	18.33	37.67	33.97	30.47	28.83	25.99	23.31	31.72	29.20	27.05
26	16-26P	17.32	15.61	14.01	32.32	29.14	26.14	23.47	21.17	18.99	25.26	23.25	21.54
26	16-26S	24.00	21.65	19.49	38.29	34.52	30.97	27.92	25.71	23.82	30.92	28.47	26.37
27	20-27P	24.37	22.43	20.78	39.60	36.46	33.78	32.01	29.47	27.30	35.79	32.95	30.53
27	20-27S	32.26	29.70	27.52	47.49	43.72	40.51	39.90	36.74	34.03	43.69	40.22	37.26
32	18-32P	20.92	18.87	16.92	34.12	31.41	29.10	26.14	24.07	22.30	31.30	28.22	25.31
32	18-32S	26.03	23.47	21.05	41.08	37.04	33.23	32.67	29.46	26.42	34.95	32.18	29.81
41	20-41P	30.39	27.40	24.58	44.05	40.55	37.57	38.45	34.67	31.10	39.43	36.30	33.64
41	20-41S	42.07	37.93	34.02	55.12	50.75	47.02	50.12	45.19	40.54	50.51	46.50	43.08
55	22-55P	31.99	29.45	27.28	48.73	43.93	39.41	38.84	35.76	33.13	45.60	41.12	36.88
55	22-55S	49.50	45.57	42.22	63.72	58.66	54.35	59.42	53.58	48.06	60.75	55.93	51.82
61	24-61P	40.14	36.19	32.46	67.27	61.94	57.38	48.54	44.69	41.40	54.53	50.20	46.51
61	24-61S	55.31	50.92	47.18	89.14	80.37	72.10	65.79	60.57	56.12	75.70	68.25	61.23

PT Mating Plugs

For quantities of 100 and up, call for quote.

# of Pos.	Shell Size and Insert	General Duty Plug with Strain Relief PT06A-XX-XXX-SR			Environmental Plug with Strain Relief PT06E-XX-XXX-SR		
		Price Each			Price Each		
		1	10	25	1	10	25
2	8-2S	21.29	19.16	17.25	20.05	18.08	16.22
2	8-2P	20.39	18.35	16.51	19.42	17.51	15.71
3	8-3S	14.56	13.23	12.13	20.90	18.84	16.90
3	8-3P	19.49	17.57	15.77	20.93	19.18	17.71
3	12-3S	23.70	21.50	19.85	23.64	21.31	19.12
3	12-3P	20.02	18.05	16.20	22.54	20.32	18.23
4	8-4S	20.79	18.75	16.82	23.82	21.65	19.85
4	8-4P	19.84	17.89	16.05	19.54	17.62	15.80
4	12-4S	28.88	26.04	23.36	39.67	36.52	33.83
4	12-4P	26.31	23.72	21.28	40.52	37.03	34.09
5	14-5S	25.83	23.29	20.89	28.51	25.71	23.06
5	14-5P	23.35	21.05	18.88	26.03	23.47	21.05
6	10-6S	26.00	25.00	22.50	23.23	20.94	18.79
6	10-6P	16.63	14.96	13.47	21.34	19.24	17.26
6	10-98S	22.85	20.60	18.48	23.56	21.24	19.06
6	10-98P	21.41	19.31	17.32	22.13	19.95	17.90
8	12-8S	21.99	19.83	17.79	24.68	22.25	19.96
8	12-8P	20.27	18.24	16.42	22.70	20.47	18.36
8	16-8S	32.16	29.00	26.01	35.53	32.03	28.74
8	16-8P	26.64	24.53	22.72	31.92	28.78	25.82
10	12-10S	22.50	20.28	18.20	25.19	22.71	20.37
10	12-10P	20.03	18.06	16.20	22.71	20.48	18.37
11	18-11S	37.47	33.78	30.30	41.53	37.45	33.59
11	18-11P	31.76	28.64	25.69	35.83	32.31	28.98
12	14-12S	28.02	25.26	22.66	35.66	32.59	30.00
12	14-12P	23.98	21.62	19.39	26.93	24.28	21.78
15	14-15S	27.49	24.79	22.24	31.68	29.16	27.02
15	14-15P	23.56	21.24	19.05	29.47	26.57	23.84
16	20-16S	44.97	40.54	36.37	46.37	42.69	39.55
16	20-16P	38.71	34.90	31.31	45.58	41.78	38.57
18	14-18S	29.45	26.55	23.82	36.12	32.51	29.26
18	14-18P	24.57	22.15	19.87	30.56	27.93	25.71
19	14-19S	29.15	26.28	23.58	31.77	28.64	25.70
19	14-19P	24.68	22.25	19.96	27.30	24.61	22.08
21	22-21S	49.78	44.88	40.26	57.25	51.61	46.30
21	22-21P	44.62	40.23	36.09	48.45	43.69	39.19
23	16-23S	34.31	30.93	27.75	40.28	36.32	32.58
23	16-23P	28.80	25.96	23.29	34.33	30.95	27.77
26	16-26S	35.37	31.89	28.61	39.44	35.56	31.90
26	16-26P	29.40	26.51	23.78	33.47	30.18	27.07
27	20-27S	46.29	42.62	39.48	50.88	46.84	43.40
27	20-27P	40.49	36.51	32.75	42.98	39.57	36.66
32	18-32S	40.23	36.27	32.54	44.74	40.34	36.19
32	18-32P	35.13	31.67	28.41	39.64	35.74	32.06
41	20-41S	56.86	51.27	45.99	57.70	53.12	49.21
41	20-41P	42.85	39.45	36.55	49.17	44.33	39.77
55	22-55S	68.73	61.97	55.59	72.59	65.45	58.72
55	22-55P	50.26	45.32	40.65	54.13	48.81	43.78
61	24-61S	76.88	69.32	62.19	84.04	75.78	67.98
61	24-61P	58.69	52.92	47.47	65.85	59.37	53.26

PT SERIES CRIMP TYPE (MIL-C-26482, SERIES 1)

Amphenol SE crimp type miniature connectors provide performance and versatility needed for applications demanding high reliability and crimp removable contacts. These crimp contacts are rear insertable/front release and are held in position by an MS approved spring tower retention system. Crimp contacts are supplied with connectors. Product specifications are comparable, intermateable, and intermountable to the PT solder series.
(See above text for ordering information.)

Crimp Tools

For quantities greater than listed, call for quote.

Mouser Stock No.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
654—	M22520/1-01	Crimp Tool Frame Only	294.00	276.00
654—	M22520/1-02	Crimp Tool Turret Head †	110.00	100.00

† Use with tool frame for a complete tool.

Contacts

For quantities of 500 and up, call for quote.

Mouser Stock No.		Description	Price Each	
Mfr.	Mfr. Part No.		1	100
654—	10-314980-16P	#16 Pin Contact	.81	.73
654—	10-257982-16F	#16 Socket Contact	2.20	1.53
654—	M39029/31-240	#20 Pin Contact	.70	.63
654—	LP-597820-355	#20 Socket Contact	.89	.74

PT Receptacles

# of Pos.	Shell Size and Insert	Environmental Box Mount PT02SE-		
		Price Each		
		1	10	25
3	8-33P	76.45	70.38	65.21
3	12-3P	28.82	26.54	24.58
5	14-5P	30.42	27.43	24.60
6	10-6P	26.22	23.64	21.21
6	10-6S	28.20	25.43	22.81
10	12-10P	27.49	24.79	22.24
10	12-10S	30.40	27.41	24.59
8/4	14-12S	42.00	38.67	35.82
18	14-18P	37.26	34.30	31.78
19	14-19P	36.40	32.82	29.44
26	16-26P	41.43	38.14	35.33
41	20-41P	72.05	64.97	58.28
55	22-55P	64.56	58.21	52.22
61	24-61P	73.07	65.89	59.10

PT Mating Plugs

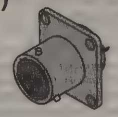
# of Pos.	Shell Size and Insert	Environmental Plug with Strain Relief PT06SE-XX-XXX-SR			Cont. Size
		Price Each			
		1	10	25	
3	8-33S	47.56	42.89	38.47	20
3	12-3S	31.20	28.13	25.24	16
5	14-5S	40.61	36.55	32.92	16
6	10-6S	30.40	27.41	24.59	20
6	10-6P	28.43	25.59	23.03	20
10	12-10S	34.85	31.36	28.23	20
10	12-10P	31.93	28.79	25.82	20
8/4	14-12P	42.38	39.02	36.15	20/16
18	14-18S	45.16	40.72	36.53	20
19	14-19S	46.22	41.67	37.38	20
26	16-26S	55.35	49.90	44.76	20
41	20-41S	72.42	65.30	58.57	20
55	22-55S	88.64	79.92	71.69	20
61	24-61S	92.34	85.02	78.76	20

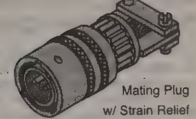
MS TYPE ENVIRONMENTAL MINIATURE BAYONET CONNECTORS (MIL-C-26482, SERIES 1)

Features:
- Bayonet couplings with 5 key/keyway polarization
- Visual confirmation of complete mating
- Durable, field-proven design
- Solder Contacts
- All connectors shipped assembled and individually packaged

Specifications:
- Temperature Range: -40° F to + 185°F (IEC 60068-1)
- Shells: Fabricated from high grade aluminum alloy with an olive drab chromate finish
- Contacts: Machined copper alloy
- Inserts: Black resilient neoprene with white printing

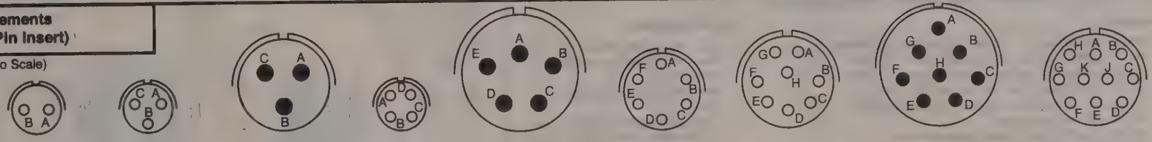
Mating Information:
- Receptacles mate with plugs on the same line.


Box Mount Receptacle

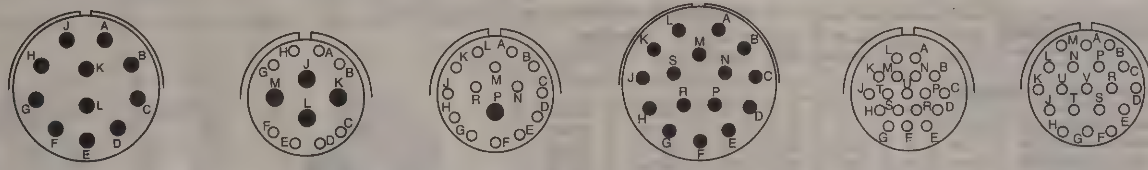

Mating Plug w/ Strain Relief

Insert Arrangements (Front View of Pin Insert)

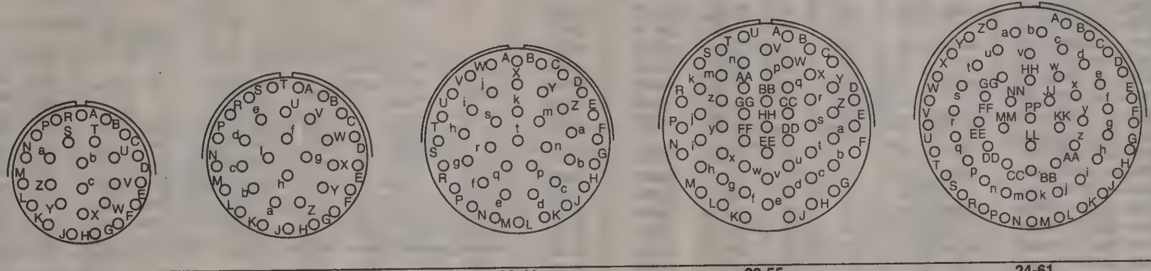
(Drawings Not to Scale)



Insert Arrangement	8-2	8-3	12-3	8-4	14-5	10-6	12-8	16-8	12-10
Contacts	2 #20	3 #20	3 #16	4 #20	5 #16	6 #20	8 #20	8 #16	10 #20



Insert Arrangement	18-11	14-12	14-15	20-16	14-18	14-19
Contacts	11 #16	8 #20 4 #16	14 #20 1 #16	16 #16	18 #20	19 #20



Insert Arrangement	16-26	18-32	20-41	22-55	24-61
Contacts	26 #20	32 #20	41 #20	55 #20	61 #20

Receptacles

# of Pos.	Insert Arrangement	Contact Size	Test Current	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	Price Each 10	Price Each 25
2	8-2	#20	7.5A	654-MS3112E8-2S	MS3112E8-2S	Socket	11.45	10.49	9.40
2	8-2	#20	7.5A	654-MS3112E8-2P	MS3112E8-2P	Pin	9.50	8.70	8.00
3	8-3	#20	7.5A	654-MS3112E8-3S	MS3112E8-3S	Socket	10.30	9.92	9.24
3	8-3	#20	7.5A	654-MS3112E8-3P	MS3112E8-3P	Pin	9.80	9.01	8.29
3	12-3	#16	13.0A	654-MS3112E12-3S	MS3112E12-3S	Socket	13.46	12.39	11.48
3	12-3	#16	13.0A	654-MS3112E12-3P	MS3112E12-3P	Pin	7.85	7.68	7.09
4	8-4	#20	7.5A	654-MS3112E8-4S	MS3112E8-4S	Socket	10.25	9.49	8.84
4	8-4	#20	7.5A	654-MS3112E8-4P	MS3112E8-4P	Pin	7.16	6.58	6.10
5	14-5	#16	13.0A	654-MS3112E14-5S	MS3112E14-5S	Socket	16.63	14.99	13.45
5	14-5	#16	13.0A	654-MS3112E14-5P	MS3112E14-5P	Pin	14.69	13.25	11.88
6	10-6	#20	7.5A	654-MS3112E10-6S	MS3112E10-6S	Socket	10.70	9.87	9.17
6	10-6	#20	7.5A	654-MS3112E10-6P	MS3112E10-6P	Pin	7.93	7.31	6.77
8	16-8	#16	13.0A	654-MS3112E16-8S	MS3112E16-8S	Socket	19.65	18.14	16.84
8	16-8	#16	13.0A	654-MS3112E16-8P	MS3112E16-8P	Pin	16.10	14.70	13.60
8	12-8	#20	7.5A	654-MS3112E12-8S	MS3112E12-8S	Socket	15.20	14.01	12.39
8	12-8	#20	7.5A	654-MS3112E12-8P	MS3112E12-8P	Pin	10.23	9.38	8.66
10	12-10	#20	7.5A	654-MS3112E12-10S	MS3112E12-10S	Socket	16.62	14.99	13.45
10	12-10	#20	7.5A	654-MS3112E12-10P	MS3112E12-10P	Pin	9.19	8.46	7.83
11	18-11	#16	13.0A	654-MS3112E18-11S	MS3112E18-11S	Socket	23.43	21.63	20.08
11	18-11	#16	13.0A	654-MS3112E18-11P	MS3112E18-11P	Pin	20.03	18.06	16.20
8+4	14-12	#20/16	7.5/13.0A	654-MS3112E14-12S	MS3112E14-12S	Socket	21.30	19.20	17.23
8+4	14-12	#20/16	7.5/13.0A	654-MS3112E14-12P	MS3112E14-12P	Pin	15.32	14.15	13.13
14+1	14-15	#20/16	7.5/13.0A	654-MS3112E14-15S	MS3112E14-15S	Socket	22.50	20.29	18.20
14+1	14-15	#20/16	7.5/13.0A	654-MS3112E14-15P	MS3112E14-15P	Pin	16.82	15.16	13.60
16	20-16	#16	13.0A	654-MS3112E20-16S	MS3112E20-16S	Socket	29.76	26.26	23.81
16	20-16	#16	13.0A	654-MS3112E20-16P	MS3112E20-16P	Pin	26.66	24.04	21.57
18	14-18	#20	7.5A	654-MS3112E14-18S	MS3112E14-18S	Socket	27.53	24.82	22.27
18	14-18	#20	7.5A	654-MS3112E14-18P	MS3112E14-18P	Pin	15.31	14.13	13.12
19	14-19	#20	7.5A	654-MS3112E14-19S	MS3112E14-19S	Socket	23.02	19.86	19.30
19	14-19	#20	7.5A	654-MS3112E14-19P	MS3112E14-19P	Pin	15.40	13.60	12.38
26	16-26	#20	7.5A	654-MS3112E16-26S	MS3112E16-26S	Socket	28.14	25.98	24.12
26	16-26	#20	7.5A	654-MS3112E16-26P	MS3112E16-26P	Pin	17.52	16.23	15.12
32	18-32	#20	7.5A	654-MS3112E18-32S	MS3112E18-32S	Socket	34.06	31.44	29.19
32	18-32	#20	7.5A	654-MS3112E18-32P	MS3112E18-32P	Pin	24.64	22.22	19.93
41	20-41	#20	7.5A	654-MS3112E20-41S	MS3112E20-41S	Socket	40.63	37.51	34.83
41	20-41	#20	7.5A	654-MS3112E20-41P	MS3112E20-41P	Pin	32.23	29.06	26.07
55	22-55	#16	13.0A	654-MS3112E22-55S	MS3112E22-55S	Socket	46.55	43.12	39.10
55	22-55	#16	13.0A	654-MS3112E22-55P	MS3112E22-55P	Pin	31.95	29.49	27.39
61	24-61	#20	7.5A	654-MS3112E24-61P	MS3112E24-61P	Pin	46.88	42.84	38.23

Mating Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each 1	Price Each 10	Price Each 25
654-MS3116F8-2P	MS3116F8-2P	Pin	20.38	18.37	16.48
654-MS3116F8-2S	MS3116F8-2S	Socket	19.42	17.92	16.45
654-MS3116F8-3P	MS3116F8-3P	Pin	20.01	18.45	17.11
654-MS3116F8-3S	MS3116F8-3S	Socket	19.43	16.14	15.40
654-MS3116F12-3P	MS3116F12-3P	Pin	21.46	20.80	19.31
654-MS3116F12-3S	MS3116F12-3S	Socket	22.60	20.07	18.17
654-MS3116F8-4P	MS3116F8-4P	Pin	17.62	15.94	14.58
654-MS3116F8-4S	MS3116F8-4S	Socket	18.35	16.82	15.52
654-MS3116F14-5P	MS3116F14-5P	Pin	27.35	24.66	22.12
654-MS3116F14-5S	MS3116F14-5S	Socket	26.13	24.12	22.40
654-MS3116F10-6P	MS3116F10-6P	Pin	14.23	13.14	12.20
654-MS3116F10-6S	MS3116F10-6S	Socket	16.26	14.96	13.86
654-MS3116F16-8P	MS3116F16-8P	Pin	29.05	26.06	23.63
654-MS3116F16-8S	MS3116F16-8S	Socket	34.43	31.78	29.52
654-MS3116F12-8P	MS3116F12-8P	Pin	24.70	22.27	19.98
654-MS3116F12-8S	MS3116F12-8S	Socket	25.71	23.40	21.35
654-MS3116F12-10P	MS3116F12-10P	Pin	21.57	19.89	17.77
654-MS3116F12-10S	MS3116F12-10S	Socket	24.87	21.98	19.89
654-MS3116F18-11P	MS3116F18-11P	Pin	37.37	33.70	30.23
654-MS3116F18-11S	MS3116F18-11S	Socket	42.73	38.53	34.56
654-MS3116F14-12P	MS3116F14-12P	Pin	28.88	26.04	23.36
654-MS3116F14-12S	MS3116F14-12S	Socket	31.77	29.44	27.42
654-MS3116F14-15P	MS3116F14-15P	Pin	32.33	29.15	26.15
654-MS3116F14-15S	MS3116F14-15S	Socket	37.59	33.90	30.41
654-MS3116F20-16P	MS3116F20-16P	Pin	44.28	39.92	35.81
654-MS3116F20-16S	MS3116F20-16S	Socket	46.60	43.07	41.17
654-MS3116F14-18P	MS3116F14-18P	Pin	29.56	26.66	23.91
654-MS3116F14-18S	MS3116F14-18S	Socket	35.96	32.26	29.25
654-MS3116F14-19P	MS3116F14-19P	Pin	25.01	23.22	21.05
654-MS3116F14-19S	MS3116F14-19S	Socket	33.13	29.24	26.51
654-MS3116F16-26P	MS3116F16-26P	Pin	33.51	30.93	28.72
654-MS3116F16-26S	MS3116F16-26S	Socket	41.92	37.60	34.09
654-MS3116F18-32P	MS3116F18-32P	Pin	43.37	35.08	31.80
654-MS3116F18-32S	MS3116F18-32S	Socket	52.50	48.15	44.00
654-MS3116F20-41P	MS3116F20-41P	Pin	49.91	45.00	40.37
654-MS3116F20-41S	MS3116F20-41S	Socket	56.78	52.41	48.67
654-MS3116F22-55P	MS3116F22-55P	Pin	49.62	45.80	42.53
654-MS3116F22-55S	MS3116F22-55S	Socket	74.55	68.82	59.64
654-MS3116F24-61S	MS3116F24-61S	Socket	77.04	71.11	66.03

AMPHE-LITE® COMMERCIAL 38999, SERIES III TYPE COMPOSITE CONNECTORS

COMMERCIAL 38999, SERIES III TYPE COMPOSITE CONNECTORS
The Amphe-Lite Connector Series is designed for communications equipment manufacturers with signal, power, RF or fiber optic interconnect requirements in harsh environments such as communication towers, outdoor and roof-top applications. This commercial 38999, Series III type composite connector series is ideal for communications equipment, manufacturing process control, and medical equipment. The Amphe-Lite offers the highest performance capabilities for severe environment applications, and yet is cost effective enough for general duty, and non-environmental applications.

Features:

- Nickel finish connectors provide EMI shielding capability which exceeds MIL-DLT-38999 Series III requirement
- Lightweight composite shells resist severe corrosion
- Completely mates in one 360° turn of the coupling nut
- Recessed pins minimize potential contact damage in this scoop-proof connector
- All connectors shipped assembled and loose crimp contacts

Specifications:

- 22D contact size rated at 5A
- Operating temperatures from -55°C to 125°C
- Gold plated crimp contacts (50u")
- Suggested operating voltage for 22D contacts is 400 VAC (RMS) and 550VDC

Receptacle Shells

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Insert Type	Fig.	No. of Contacts	Shell Size	Insert Layout	Price Each	
Mfr.	Mfr. Part No.						1	10
Wall Mounting Receptacles								
654	AL00F9-35P	Pin	A	6	9	9-35	**24.81**	**22.84**
654	AL00F9-35S	Socket	A	6	9	9-35	**24.15**	**22.66**
654	AL00F11-35P	Pin	A	13	11	11-35	**22.18**	**20.91**
654	AL00F11-35S	Socket	A	13	11	11-35	**25.31**	**23.75**
654	AL00F13-35P	Pin	A	22	13	13-35	**28.10**	**26.22**
654	AL00F13-35S	Socket	A	22	13	13-35	**30.33**	**27.92**
654	AL00F15-35P	Pin	A	37	15	15-35	**27.48**	**25.78**
654	AL00F15-35S	Socket	A	37	15	15-35	**31.67**	**29.72**
654	AL00F17-35P	Pin	A	55	17	17-35	**38.14**	**35.11**
654	AL00F17-35S	Socket	A	55	17	17-35	**45.16**	**42.38**
654	AL00F19-35P	Pin	A	66	19	19-35	**30.79**	**28.89**
654	AL00F19-35S	Socket	A	66	19	19-35	**40.86**	**37.62**
654	AL00F21-35P	Pin	A	79	21	21-35	**35.03**	**32.25**
654	AL00F21-35S	Socket	A	79	21	21-35	**45.75**	**42.94**
Jam Nut Receptacles								
654	AL07F9-35P	Pin	B	6	9	9-35	**32.71**	**30.11**
654	AL07F9-35S	Socket	B	6	9	9-35	**32.92**	**30.89**
654	AL07F11-35P	Pin	B	13	11	11-35	**23.69**	**22.23**
654	AL07F11-35S	Socket	B	13	11	11-35	**24.64**	**23.12**
654	AL07F13-35P	Pin	B	22	13	13-35	**30.41**	**28.54**
654	AL07F13-35S	Socket	B	22	13	13-35	**32.36**	**30.37**
654	AL07F15-35P	Pin	B	37	15	15-35	**38.05**	**35.71**
654	AL07F15-35S	Socket	B	37	15	15-35	**42.79**	**40.15**
654	AL07F17-35P	Pin	B	55	17	17-35	**51.48**	**48.31**
654	AL07F17-35S	Socket	B	55	17	17-35	**58.87**	**55.25**
654	AL07F19-35P	Pin	B	66	19	19-35	**37.52**	**34.54**
654	AL07F19-35S	Socket	B	66	19	19-35	**47.48**	**43.71**
654	AL07F21-35P	Pin	B	79	21	21-35	**47.26**	**44.35**
654	AL07F21-35S	Socket	B	79	21	21-35	**63.74**	**59.82**

Mating Plug Shells

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Insert Type	Fig.	No. of Contacts	Shell Size	Insert Layout	Price Each	
Mfr.	Mfr. Part No.						1	10
Cable Mount Plugs								
654	AL06F9-35P	Pin	C	6	9	9-35	**35.77**	**33.57**
654	AL06F9-35S	Socket	C	6	9	9-35	**35.31**	**33.14**
654	AL06F11-35P	Pin	C	13	11	11-35	**35.90**	**33.69**
654	AL06F11-35S	Socket	C	13	11	11-35	**35.84**	**33.63**
654	AL06F13-35P	Pin	C	22	13	13-35	**36.36**	**34.09**
654	AL06F13-35S	Socket	C	22	13	13-35	**38.95**	**35.95**
654	AL06F15-35P	Pin	C	37	15	15-35	**39.70**	**37.26**
654	AL06F15-35S	Socket	C	37	15	15-35	**43.82**	**41.12**
654	AL06F17-35P	Pin	C	55	17	17-35	**46.62**	**44.39**
654	AL06F17-35S	Socket	C	55	17	17-35	**49.69**	**46.63**
654	AL06F19-35P	Pin	C	66	19	19-35	**45.03**	**41.46**
654	AL06F19-35S	Socket	C	66	19	19-35	**53.54**	**50.25**
654	AL06F21-35P	Pin	C	79	21	21-35	**47.62**	**44.69**
654	AL06F21-35S	Socket	C	79	21	21-35	**57.93**	**54.37**

Crimp Contacts

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Contact Size	Description	Price Each	
Mfr.	Mfr. Part No.			1	25
654	M39029/58-360	22D	Pin Contact	**.30**	**.27**
654	M39029/56-348	22D	Socket Contact	**.52**	**.44**

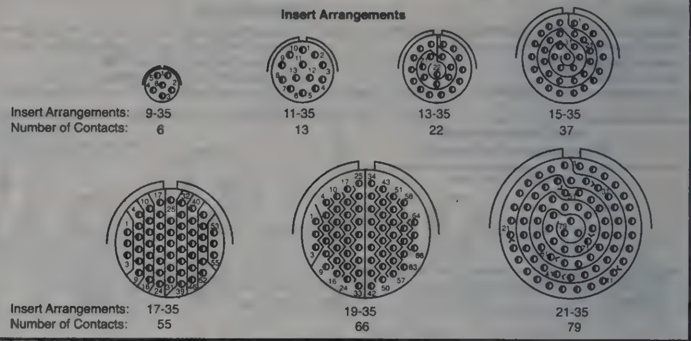
Application Tools

For quantities of 5 and up, call for quote.

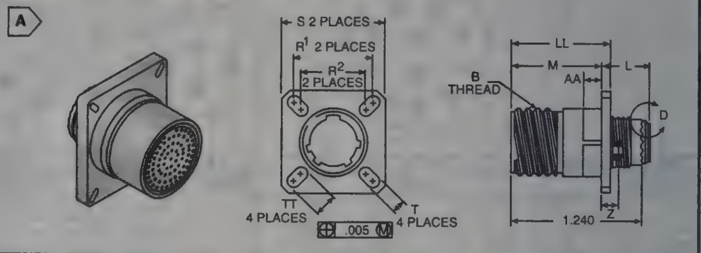
MOUSER STOCK NO.		Contact Size/ Type	Description	Price Each
Mfr.	Mfr. Part No.			
654	M22520/2-01	22D Pin/Socket	Crimp Tool Frame	**304.53**
654	M22520/2-09	22D Pin	Turret Die	**59.50**
654	M22520/2-07	22D Socket	Turret Die	**59.50**
654	M81969/14-01	22D	Plastic Insert Removal tool	**.80**
654	M81969/8-01	22D	Metal Angle Insertion tool	**74.00**
654	M81969/8-02	22D	Metal Angle Removal tool	**74.00**

DIMENSIONS: In

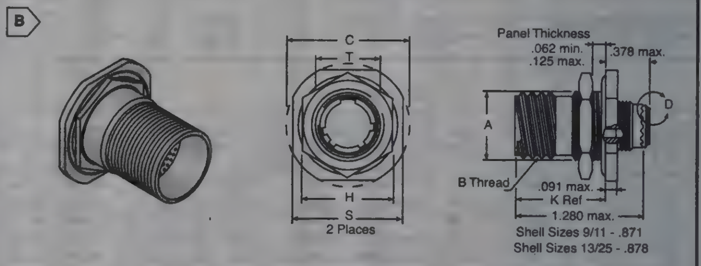
Insert Arrangements



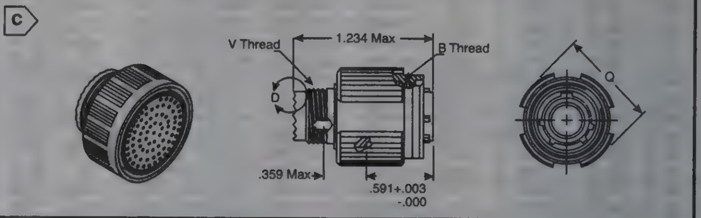
Insert Arrangements:	9-35	11-35	13-35	15-35	17-35	19-35	21-35
Number of Contacts:	6	13	22	37	55	66	79



Shell Size	B Thread Class 2A 0.1P- 0.3L-TS (Plated)	L Max.	M +.000 -.005	R^1	R^2	S Max.	T +.008 -.006	Z Max.	AA Max. Panel Thickness	LL ±.005	TT +.008 -.006
9	.6250	.514	.775	.719	.594	.948	.128	.198	.234	.913	.216
11	.7500	.514	.775	.812	.719	1.043	.128	.198	.234	.913	.194
13	.8750	.514	.775	.906	.812	1.137	.128	.198	.234	.913	.194
15	1.0000	.514	.775	.969	.906	1.232	.128	.198	.234	.913	.173
17	1.1875	.514	.775	1.062	.969	1.323	.128	.198	.234	.913	.194
19	1.2500	.514	.775	1.156	1.062	1.449	.128	.198	.234	.913	.194
21	1.3750	.545	.745	1.250	1.156	1.575	.128	.228	.204	.911	.194



Shell Size	A +.000 -.010	B Thread Class 2A 0.1P- 0.3L-TS (Plated)	C Max.	H Hex +.017 -.016	S ±.010	T +.010 -.000
9	.669	.6250	1.199	.875	1.062	.697
11	.769	.7500	1.386	1.062	1.250	.822
13	.955	.8750	1.511	1.250	1.375	1.007
15	1.084	1.0000	1.636	1.375	1.500	1.134
17	1.208	1.1875	1.761	1.438	1.625	1.259
19	1.333	1.2500	1.949	1.562	1.812	1.384
21	1.459	1.3750	2.073	1.688	1.938	1.507



Shell Size	B Thread 0.1P- 0.3L-TS-2B (Plated)	V Thread Metric	Q Dia. Max.
9	.6250	M12 x 1 - 6g	.859
11	.7500	M15 x 1 - 6g	.969
13	.8750	M18 x 1 - 6g	1.141
15	1.0000	M22 x 1 - 6g	1.266
17	1.1875	M25 x 1 - 6g	1.391
19	1.2500	M28 x 1 - 6g	1.500
21	1.3750	M31 x 1 - 6g	1.625

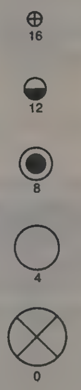
AMPHENOL RADSOK® Power Bus Connectors

The difference is in the RADSOK® (Radial Socket) design. The socket cylinder within the female contact has several equally spaced longitudinal beams twisted into a shape. As the male pin is inserted, axial members in the female half deflect, imparting high current flow across the connection with minimal voltage loss. This twisted hyperbolic grid ensures the greatest possible contact area on the mating pin. This technology is ideal for crimp termination applications requiring repeated mating cycles and high current with low milli-volt drop and features higher ampacity, lower insertion force, high cycle durability, and high reliability.

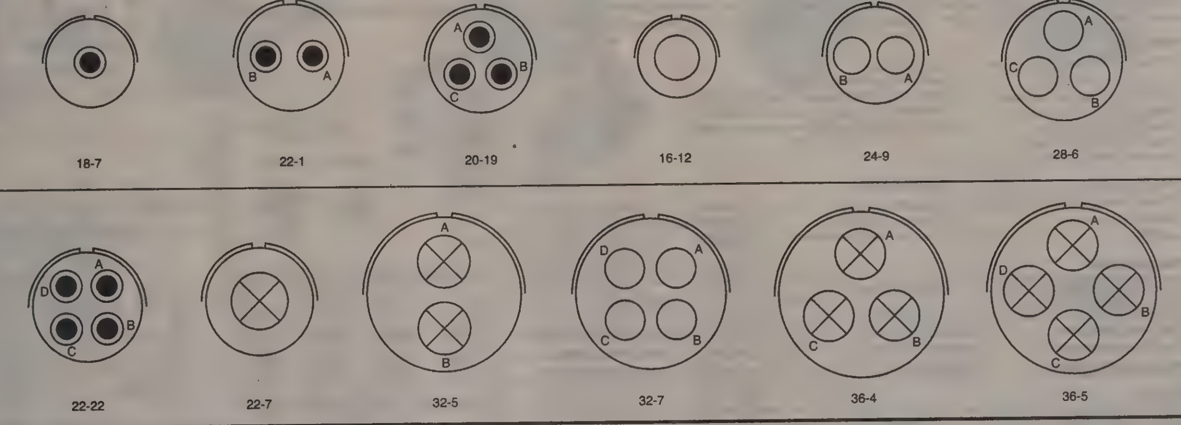
Amphenol now offers RADSOK® technology in their MIL-C-5015 cylindrical connectors for high current applications. Because they now feature the flat stamped, hyperbolic twisted contact grid in the socket, a 50% increase in current rating is achieved.

Amphe-Power Crimp Contact Current Rating		
Contact Size	Standard Contact	Amphe-Power
8 AWG	46 Amps	70 Amps
4 AWG	80 Amps	120 Amps
0 AWG	150 Amps	250 Amps

Contact Legend



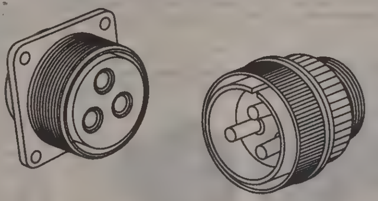
Insert Arrangements (Drawings not to Scale)

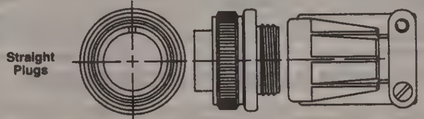


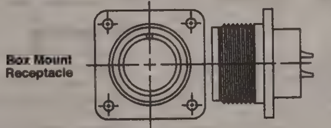
AMPHE-POWER® 5015 WITH RADSOK® TECHNOLOGY

Features:

- Threaded Coupling
- Durable field proven cylindrical connector derived from the MIL-C-5015 family
- Single key/keyway polarization
- Operating Temperature: -55°C to +125°C
- Termination Type: Crimp
- Environmental Rating: IP67
- Contact Plating: Silver
- Finish: Black Zinc Cobalt
- Inserts: Neoprene







Part Number Configuration:

- ACC02E__-__P025 Box Mount Receptacle
- ACC06E__-__R025 Straight Plug

Straight Plugs

For quantities of 10 and up, call for quote.

No. of Pos.	Insert	Contact Size	Wire Range	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each	
							1	5
1	18-7	#8	8 AWG	654-ACC06E18-7R025	ACC06E18-7R(025)	RADSOK	49.95	44.95
2	22-1	#8	8 AWG	654-ACC06E22-1R025	ACC06E22-1R(025)	RADSOK	39.88	35.19
3	20-19	#8	8 AWG	654-ACC06E20-19R025	ACC06E20-19R(025)	RADSOK	63.59	57.23
4	22-22	#8	8 AWG	654-ACC06E22-22R025	ACC06E22-22R(025)	RADSOK	68.53	61.68
1	16-12	#4	4 AWG	654-ACC06E16-12R025	ACC06E16-12R(025)	RADSOK	41.10	36.26
2	24-9	#4	4 AWG	654-ACC06E24-9R025	ACC06E24-9R(025)	RADSOK	96.32	86.69
3	28-6	#4	4 AWG	654-ACC06E28-6R025	ACC06E28-6R(025)	RADSOK	114.86	105.75
4	32-17	#4	4 AWG	654-ACC06E32-17R025	ACC06E32-17R(025)	RADSOK	146.88	132.19
1	22-7	#0	0 AWG	654-ACC06E22-7R025	ACC06E22-7R(025)	RADSOK	96.33	88.68
2	32-5	#0	0 AWG	654-ACC06E32-5R025	ACC06E32-5R(025)	RADSOK	189.96	170.96
3	36-4	#0	0 AWG	654-ACC06E36-4R025	ACC06E36-4R(025)	RADSOK	305.96	275.37
4	36-5	#0	0 AWG	654-ACC06E36-5R025	ACC06E36-5R(025)	RADSOK	158.24	138.14

Mating Box Mount Receptacles

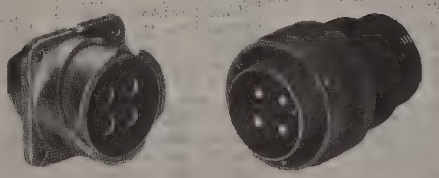
For quantities of 10 and up, call for quote.

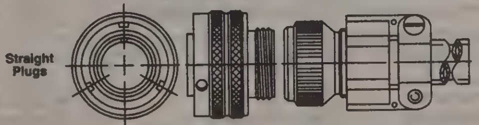
MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each	
			1	5
654-ACC02E18-7P025	ACC02E18-7P(025)	Pin	17.36	15.62
654-ACC02E22-1P025	ACC02E22-1P(025)	Pin	23.78	21.41
654-ACC02E20-19P025	ACC02E20-19P(025)	Pin	29.23	26.32
654-ACC02E22-22P025	ACC02E22-22P(025)	Pin	39.59	35.63
654-ACC02E16-12P025	ACC02E16-12P(025)	Pin	14.49	13.05
654-ACC02E24-9P025	ACC02E24-9P(025)	Pin	20.83	18.74
654-ACC02E28-6P025	ACC02E28-6P(025)	Pin	24.38	22.44
654-ACC02E32-17P025	ACC02E32-17P(025)	Pin	39.07	35.16
654-ACC02E22-7P025	ACC02E22-7P(025)	Pin	15.56	14.33
654-ACC02E32-5P025	ACC02E32-5P(025)	Pin	29.51	26.56
654-ACC02E36-4P025	ACC02E36-4P(025)	Pin	43.84	39.46
654-ACC02E36-5P025	ACC02E36-5P(025)	Pin	50.51	48.46

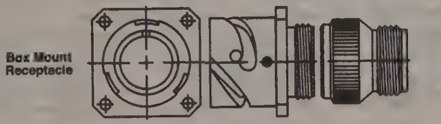
AMPHE-POWER® GT WITH RADSOK® TECHNOLOGY

Features:

- Reverse Bayonet Coupling
- Audible, tactile and visual indication of coupling
- Heavy duty rugged shells
- Operating Temperature: -55°C to +125°C
- Termination Type: Crimp
- Environmental Rating: IP67
- Contact Plating: Silver
- Finish: Black Zinc Cobalt
- Inserts: Neoprene or Viton







Part Number Configuration:

- GTC030__-__P025 Box Mount Receptacle
- GTC06F__-__SRDS025 Straight Plug

Reverse Bayonet Straight Plugs

For quantities of 10 and up, call for quote.

No. of Pos.	Insert	Contact Size	Wire Range	MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each	
							1	5
1	18-7	#8	8 AWG	654-GTC06F187SRDS	GTC06F18-7S(RDS)(025)	RADSOK	68.98	63.51
2	22-1	#8	8 AWG	654-GTC06F221SRDS	GTC06F22-1S(RDS)(025)	RADSOK	82.09	75.57
3	20-19	#8	8 AWG	654-GTC06F2019SRDS	GTC06F20-19S(RDS)(025)	RADSOK	87.63	78.87
4	22-22	#8	8 AWG	654-GTC06F2222SRDS	GTC06F22-22S(RDS)(025)	RADSOK	78.60	69.36
1	16-12	#4	4 AWG	654-GTC06F1612SRDS	GTC06F16-12S(RDS)(025)	RADSOK	106.89	96.20
2	24-9	#4	4 AWG	654-GTC06F249SRDS	GTC06F24-9S(RDS)(025)	RADSOK	128.24	118.06
3	28-6	#4	4 AWG	654-GTC06F286SRDS	GTC06F28-6S(RDS)(025)	RADSOK	204.33	183.91
4	32-17	#4	4 AWG	654-GTC06F3217SRDS	GTC06F32-17S(RDS)(025)	RADSOK	281.10	258.79
1	22-7	#0	0 AWG	654-GTC06F227SRDS	GTC06F22-7S(RDS)(025)	RADSOK	144.81	133.32
2	32-5	#0	0 AWG	654-GTC06F325SRDS	GTC06F32-5S(RDS)(025)	RADSOK	293.85	264.46
3	36-4	#0	0 AWG	654-GTC06F364SRDS	GTC06F36-4S(RDS)(025)	RADSOK	305.21	274.69
4	36-5	#0	0 AWG	654-GTC06F365SRDS	GTC06F36-5S(RDS)(025)	RADSOK	375.71	345.89

Mating Box Mount Receptacles

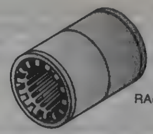
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Contact Type	Price Each	
			1	5
654-GTC03018-7P025	GTC03018-7P(025)	Pin	34.69	31.94
654-GTC03022-1P025	GTC03022-1P(025)	Pin	30.85	28.28
654-GTC03020-19P025	GTC03020-19P(025)	Pin	56.59	50.93
654-GTC03022-22P025	GTC03022-22P(025)	Pin	66.28	59.65
654-GTC03016-12P025	GTC03016-12P(025)	Pin	62.25	56.02
654-GTC03024-9P025	GTC03024-9P(025)	Pin	39.02	35.92
654-GTC03028-6P025	GTC03028-6P(025)	Pin	47.88	44.08
654-GTC03032-17P025	GTC03032-17P(025)	Pin	55.78	51.35
654-GTC03022-7P025	GTC03022-7P(025)	Pin	35.10	32.32
654-GTC03032-5P025	GTC03032-5P(025)	Pin	54.26	48.84
654-GTC03036-4P025	GTC03036-4P(025)	Pin	65.57	58.95
654-GTC03036-5P025	GTC03036-5P(025)	Pin	66.76	61.46

AMPHENOL RADSOK® Power Bus Connectors

The difference is in the RADSOK® (Radial Socket) design. The socket cylinder within the female contact has several equally spaced longitudinal beams twisted into a shape. As the male pin is inserted, axial members in the female half deflect, imparting high current flow across the connection with minimal voltage loss. This twisted hyperbolic grid ensures the greatest possible contact area on the mating pin. This technology features higher ampacity, lower insertion force, high cycle durability, and high reliability.

Twisted Hyperbolic Grid



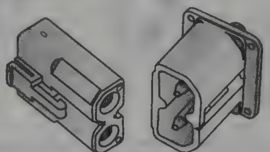
RADSOK® Contact

AMPHE-PD™ WITH RADSOK® TECHNOLOGY

The Amphe-PD™ connector generates more processing power with less heat than a similar-sized connector. The series produces greater amperage without wasting valuable space, offering a compact solution for datacom applications that require small, yet powerful connectors.

Features:

- 2 Position DC Power interconnect in about 1 square inch
- UL94V-0 molded thermoplastic
- Integrated latching mechanism
- Easy tool-less assembly
- Proven metal clip contact retention on receptacles
- TUV finger proof
- Tactile and audible locking
- Plug is designed to accept Superflex 6 AWG
- TPA device on plug to insure socket locking
- RoHS Compliant per Amphenol documentation



RoHS Compliant

Specifications:

- Current rating: 69 Amps UL rated, 55 Amps CSA rated
- 6 AWG

Applications:

- Battery Connection
- Busbar Connection
- Power Supply Connection
- Telecom
- Data Storage
- Controls

Receptacles

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
654-10-638975-000	C10-638975-000	A	Busbar Receptacle without Bosses	11.94	10.85	9.95	9.18
654-10-638976-000	C10-638976-000	B	Crimp Pin, 6 AWG, with Screw Bosses	11.96	10.87	9.96	9.20
654-10-638977-000	C10-638977-000	C	PCB Tail, with Screw Bosses	11.28	10.25	9.40	8.67

Plugs

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	5	10	25
654-10-638974-000	C10-638974-000	D	3.6mm RADSOK® Plug, 6 AWG	12.20	11.09	10.16	9.38

AMPHE®-GTR WITH RADSOK® TECHNOLOGY

Amphe®-GTR Connectors use RADSOK® technology inside a composite reverse bayonet housing that is already proven in the power server industry. This combination of utilizing the existing connector footprint and the increase in power offered by using the RADSOK® sockets makes the Amphe®-GTR second to none.

Features:

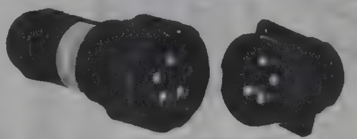
- Quick positive coupling
- Audible, tactile and visual indication of coupling
- High shock and vibration capabilities
- Pressure wire termination
- FMLB ground contact
- High performance composite shell and hardware
- UL / CUL 2238 Listed
- Field repairable

Applications:

- High power process control
- Server applications

Specifications:

- Contact Plating: Silver
- Contact: #4
- IP67 rating
- Termination Type: Compression set screw
- Dielectric Withstanding Voltage: 2000VAC (RMS)
- Insulation Resistance: 1000MΩ
- Flammability: UL94V-0
- Mating Cycles: 25 min



LISTED 2238

LISTED 2238

4 Position Receptacles

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	Wire Range	Cable Range	Price Each		
						1	5	10
654-GT030PCM32ARP80	GT030PCM32-ARP-80	E	80 A	4-6 AWG	- - -	92.14	84.83	78.59
654-GT030PCM32ARP120	GT030PCM32-ARP-120	E	120 A	4 AWG	- - -	79.02	72.75	67.40

4 Position Plugs

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	Wire Range	Cable Range	1	5	10
654-GT06PCM32ARS3029	GT06PCM32-ARS-30(29R)	F	30 A	8-10 AWG	.510 - .582	201.95	185.92	172.25
654-GT06PCM32ARS4029	GT06PCM32-ARS-40(29R)	F	40 A	8-10 AWG	.715 - .759	201.95	185.92	172.25
654-GT06PCM32ARS5029	GT06PCM32-ARS-50(29)	F	50 A	4-6 AWG	.809 - .905	201.95	185.92	172.25
654-GT06PCM32ARS7029	GT06PCM32-ARS-70(29OS)	F	70 A	4-6 AWG	1.000 - 1.185	201.95	185.92	172.25
654-GT06PCM32ARS1203	GT06PCM32-ARS-120(36OS)	F	120 A	4 AWG	1.27	215.00	200.00	185.00

5 Position Receptacles

∗Contacts rated at 120 Amps, but limited to AWG.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	Wire Range	Cable Range	1	5	10
654-10-610147-001	10-610147-001	E	120 A	8-10 AWG	- - -	153.62	141.43	131.03
654-10-610147-002	10-610147-002	E	120 A	4-6 AWG	- - -	153.62	141.43	131.03
654-10-610222-001	10-610222-001	E	FBLM, 120 A∗	8-10 AWG	- - -	148.00	137.00	128.00
654-10-610222-002	10-610222-002	E	FBLM, 120 A∗	4-6 AWG	- - -	153.62	141.43	131.03

5 Position Plugs

∗Contacts rated at 120 Amps, but limited to AWG.

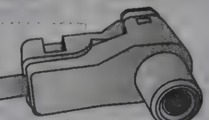
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Amps	Wire Range	Cable Range	1	5	10
654-10-610142-001	10-610142-001	F	120 A∗	8-10 AWG	.472 - .787	227.19	209.16	193.78
654-10-610142-002	10-610142-002	F	120 A∗	8-10 AWG	.708 - .984	227.19	209.16	193.78
654-10-610142-003	10-610142-003	F	120 A∗	4-6 AWG	.472 - .787	227.19	209.16	193.78
654-10-610142-004	10-610142-004	F	120 A∗	4-6 AWG	.708 - .984	227.19	209.16	193.78

AMPHE-POWER® PLASTIC SURLOK™ WITH RADSOK® TECHNOLOGY

The Plastic SurLok™ compression lug is a field crimpable contact assembly that utilizes RADSOK® technology. They incorporate the industry standard color-code for the AWG size and can be crimped with standard color-coded Dies. (U-die and 4-Indenter)

- Copper Alloy construction
- RoHS Compliant per Amphenol documentation



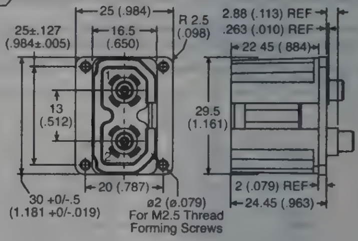
RoHS Compliant

For quantities of 100 and up, call for quote.

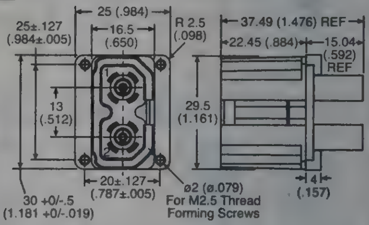
MOUSER STOCK NO.	Amphenol Part No.	Description	Price Each		
			1	10	50
654-PSL-368K	PSL-368K	3.6mm , 70 amps, 8 AWG, with plastic housing	3.02	2.56	2.31
654-PSL574K	PSL-574K	5.7mm, 95 amps, 6 AWG, with plastic housing	3.98	3.38	3.04
654-PSL-801K	PSL-801K	8.0mm, 170 amps, 2 AWG, with plastic housing	6.08	5.17	4.65
654-PSL-10320K	PSL-10320K	10.3mm, 350 amps, 2/0 AWG, w/ plastic housing	9.82	8.34	7.51

DIMENSIONS: mm (in.)

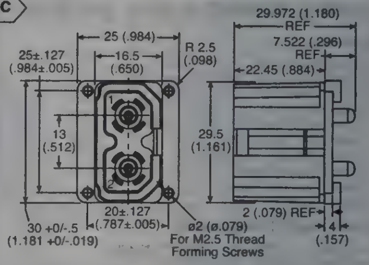
A


25 (.984)
R 2.5 (.098)
2.88 (.113) REF
.263 (.010) REF
25±.127 (.984±.005)
16.5 (.650)
22 45 (884)
13 (.512)
29.5 (1.161)
1
2
20 (.787)
2 (.079) REF
24.45 (.963)
30 +0/-.5 (1.181 +0/-.019)
ø2 (ø.079) For M2.5 Thread Forming Screws

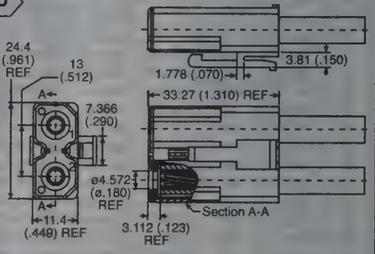
B


25 (.984)
R 2.5 (.098)
37.49 (1.476) REF
25±.127 (.984±.005)
16.5 (.650)
22.45 (.884)
15.04 (.592) REF
13 (.512)
29.5 (1.161)
1
2
20±.127 (.787±.005)
ø2 (ø.079) For M2.5 Thread Forming Screws
4 (.157)
30 +0/-.5 (1.181 +0/-.019)

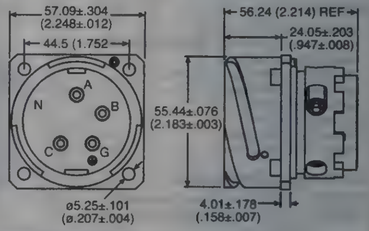
C


29.972 (1.180) REF
25 (.984)
R 2.5 (.098)
7.522 (.296) REF
25±.127 (.984±.005)
16.5 (.650)
22.45 (.884)
13 (.512)
29.5 (1.161)
1
2
20±.127 (.787±.005)
2 (.079) REF
4 (.157)
30 +0/-.5 (1.181 +0/-.019)
ø2 (ø.079) For M2.5 Thread Forming Screws

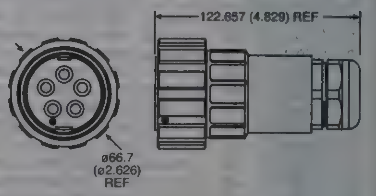
D


24.4 (.961) REF
13 (.512)
3.81 (.150)
1.778 (.070)
A
33.27 (1.310) REF
7.366 (.290)
1
2
ø4.572 (ø.180) REF
A
Section A-A
11.4 (.449) REF
3.112 (.123) REF

E


57.09±.304 (2.248±.012)
56.24 (2.214) REF
44.5 (1.752
24.05±.203 (.947±.008)
A
N
B
55.44±.076 (2.183±.003)
C
G
ø5.25±.101 (ø.207±.004)
4.01±.178 (.158±.007)

F


122.657 (4.829) REF
ø66.7 (ø2.626) REF

AMPHENOL Amphe-PPM Push/Pull Connectors Amphenol®

RoHS Compliant **This page of product is compliant.**

The Amphe-PPM is a rapid mate push - pull connector which provides positive mating in limited space and ease of use. The design features of the Amphe-PPM allows consumers to save cost in space savings along with installation. Ideally suited, but not limited to, Medical Equipment, Instrumentation, Test and Measurement, and Communication Equipment.

Features:

- Push - Pull Rapid Mate connector system
- Sealed IP67 or Non-sealed IP55 versions
- 4 Sealed shell sizes: 10mm, 12mm, 16mm, & 18mm
- 2 Non-sealed shell sizes: 12mm & 16mm
- Termination Style: Solder
- Operating Temperature: -40°C to 100°C
- Mating Cycles: 500+
- Current Rating: 0.8mm: 3 amps, 1mm: 5 amps, 1.5mm:10 amps, 2.5mm: 25 amps
- Designed to IEC 61984
- Non-Magnetic
- Crimp or PCB tails available on special request.

Straight Plug

Jam Nut Receptacle

Straight Plug with Rubber Boot

Box Mount Receptacle

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Description	Price Each
Sealed - 10mm - Nickel			
654-APSCPB2	APSCPB2	Box Mt Recpt, 3 - 1mm Pin contacts	24.66
654-APSCPB6E2	APSCPB6E2	Str Plug w/ PG7, 3 - 1mm Pin contacts	40.60
654-APSCPB7E2	APSCPB7E2	Jam Nut Recpt w/ PG7; 3 - 1mm Pin contacts	28.78
654-APSCSB2	APSCSB2	Box Mt Recpt, 3 - 1mm Socket contacts	27.50
654-APSCSB6E2	APSCSB6E2	Str Plug w/ PG7, 3 - 1mm Socket contacts	36.40
654-APSCSB7E2	APSCSB7E2	Jam Nut Recpt w/ PG7, 3 - 1mm Socket cont.	28.78
654-APSCPD2	APSCPD2	Box Mt Recpt, 5 - 0.8mm Pin contacts	27.00
654-APSCPD6E2	APSCPD6E2	Str Plug w/ PG7, 5 - 0.8mm Pin contacts	43.23
654-APSCPD7E2	APSCPD7E2	Jam Nut Recpt w/ PG7, 5 - 0.8mm Pin cont.	34.71
654-APSCSD2	APSCSD2	Box Mt Recpt, 5 - 0.8mm Socket contacts	27.00
654-APSCSD6E2	APSCSD6E2	Str Plug w/ PG7, 5 - 0.8mm Socket contacts	43.23
654-APSCSD7E2	APSCSD7E2	Jam Nut Recpt w/PG7, 5 - 0.8mm Socket cont.	34.71
Sealed - 12mm - Nickel			
654-APSDPA2	APSDPA2	Box Mt Recpt, 2 - 1.6mm Pin contacts	25.53
654-APSDPA6E2	APSDPA6E2	Str Plug w/ PG9, 2 - 1.6mm Pin contacts	39.05
654-APSDPA7E2	APSDPA7E2	Jam Nut Recpt w/PG9, 2 - 1.6mm Pin cont.	32.29
654-APSDSA2	APSDSA2	Box Mt Recpt, 2 - 1.6mm Socket contacts	25.53
654-APSDSA6E2	APSDSA6E2	Str Plug w/ PG9, 2 - 1.6mm Socket contacts	39.05
654-APSDSA7E2	APSDSA7E2	Jam Nut Recpt w/PG9, 2 - 1.6mm Socket cont.	32.29
654-APSDPF2	APSDPF2	Box Mt Recpt, 7 - 1mm Pin contacts	32.42
654-APSDPF6E2	APSDPF6E2	Str Plug w/ PG9, 7 - 1mm Pin contacts	47.48
654-APSDPF7E2	APSDPF7E2	Jam Nut Recpt w/ PG9, 7 - 1mm Pin contacts	35.81
654-APSDSF2	APSDSF2	Box Mt Recpt, 7 - 1mm Socket contacts	29.07
654-APSDSF6E2	APSDSF6E2	Plug w/ PG9, 7 - 1mm Socket contacts	42.57
654-APSDSF7E2	APSDSF7E2	Jam Nut Recpt w/ PG9, 7 - 1mm Socket cont.	39.94
Sealed - 16mm - Nickel			
654-APSEPB2	APSEPB2	Box Mt Recpt, 2 - 2.5mm Pin contacts	32.00
654-APSEPB6E2	APSEPB6E2	Str Plug w/ PG13.5, 2 - 2.5mm Pin contacts	47.55
654-APSEPB7E2	APSEPB7E2	Jam Nut Recpt w/ PG13.5, 2 - 2.5mm Pin cont.	38.76
654-APSESB2	APSESB2	Box Mt Recpt, 2 - 2.5mm Socket contacts	32.00
654-APSESB6E2	APSESB6E2	Str Plug w/ PG13.5, 2 - 2.5mm Socket cont.	47.55
654-APSESB7E2	APSESB7E2	Jam Nut Recpt w/ PG13.5, 2 - 2.5mm Socket	38.76
654-APSEPF2	APSEPF2	Box Mt Recpt, 4 - 1.5mm Pin contacts	37.98
654-APSEPF6E2	APSEPF6E2	Str Plug w/ PG13.5, 4 - 1.5mm Pin contacts	55.35
654-APSEPF7E2	APSEPF7E2	Jam Nut Recpt w/ PG13.5, 4 - 1.5mm Pin cont.	44.54
654-APSESF2	APSESF2	Box Mt Recpt, 4 - 1.5mm Socket contacts	37.98
654-APSESF6E2	APSESF6E2	Str Plug w/ PG13.5, 4 - 1.5mm Socket cont.	55.35
654-APSESF7E2	APSESF7E2	Jam Nut Recpt w/ PG13.5, 4 - 1.5mm Socket	44.54
654-APSEPJ2	APSEPJ2	Box Mt Recpt, 12 - 1mm Pin contacts	38.17
654-APSEPJ6E2	APSEPJ6E2	Str Plug w/ PG13.5, 12 - 1mm Pin contacts	59.60
654-APSEPJ7E2	APSEPJ7E2	Jam Nut Recpt w/ PG13.5, 12 - 1mm Pin cont.	43.45
654-APSESJ2	APSESJ2	Box Mt Recpt, 12 - 1mm Socket contacts	38.17
654-APSESJ6E2	APSESJ6E2	Str Plug w/ PG13.5, 12 - 1mm Socket contacts	53.43
654-APSESJ7E2	APSESJ7E2	Jam Nut Recpt w/ PG13.5, 12 - 1mm Socket	48.46
Sealed - 18mm - Nickel			
654-APSFPA2	APSFPA2	Box Mt Recpt, 3 - 2.5mm Pin contacts	34.34
654-APSFPA6E2	APSFPA6E2	Str Plug w/ PG16, 3 - 2.5mm Pin contacts	65.81
654-APSFPA7E2	APSFPA7E2	Jam Nut Recpt w/ PG16, 3 - 2.5mm Pin cont.	47.81
654-APSFSA2	APSFSA2	Box Mt Recpt, 3 - 2.5mm Socket contacts	38.31
654-APSFSA6E2	APSFSA6E2	Str Plug w/ PG16, 3 - 2.5mm Socket contacts	65.81
654-APSFSA7E2	APSFSA7E2	Jam Nut Recpt w/ PG16, 3 - 2.5mm Socket	42.86
654-APSFPB2	APSFPB2	Box Mt Recpt, 5 - 1.5mm Pin contacts	39.05
654-APSFPB6E2	APSFPB6E2	Str Plug w/ PG16, 5 - 1.5mm Pin contacts	63.71
654-APSFPB7E2	APSFPB7E2	Jam Nut Recpt w/ PG16, 5 - 1.5mm Pin cont.	46.38
654-APSFSB2	APSFSB2	Box Mt Recpt, 5 - 1.5mm Socket contacts	39.05
654-APSFSB6E2	APSFSB6E2	Plug w/ PG16, 5 - 1.5mm Socket contacts	63.71
654-APSFSB7E2	APSFSB7E2	Jam Nut Recpt w/ PG16, 5 - 1.5mm Socket	46.38
654-APSFPC2	APSFPC2	Box Mt Recpt, 3 - 1.5mm, 5 - 1mm Pin cont.	40.22
654-APSFPC6E2	APSFPC6E2	Str Plug w/ PG16, 3 - 1.5mm, 5 - 1mm Pin cont.	64.88
654-APSFPC7E2	APSFPC7E2	Jam Nut Recpt w/ PG16, 3 - 1.5mm, 5 - 1mm Pin	47.55
654-APSFSC2	APSFSC2	Box Mt Recpt, 3 - 1.5mm, 5 - 1mm Socket	40.22
654-APSFSC6E2	APSFSC6E2	Str Plug w/ PG16, 3 - 1.5mm, 5 - 1mm Socket	64.88
654-APSFSC7E2	APSFSC7E2	Jam Nut Recpt w/ PG16, 3 - 1.5mm, 5 - 1mm Soc	47.55
654-APSFPD2	APSFPD2	Box Mt Recpt, 5 - 1mm Pin contacts	44.91
654-APSFPD6E2	APSFPD6E2	Str Plug w/ PG16, 5 - 1mm Pin contacts	69.57
654-APSFPD7E2	APSFPD7E2	Jam Nut Recpt w/ PG16, 5 - 1mm Pin cont.	49.91
654-APSFSD2	APSFSD2	Box Mt Recpt, 5 - 1mm Socket contacts	44.91
654-APSFSD6E2	APSFSD6E2	Str Plug w/ PG16, 5 - 1mm Socket contacts	69.57
654-APSFSD7E2	APSFSD7E2	Jam Nut Recpt w/ PG16, 5 - 1mm Socket	49.91

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Description	Price Each
Non-Sealed - 12mm - Nickel			
654-APNAPA2N	APNAPA2N	Box Mt Recpt, 2 - 1.6mm Pin contacts	7.64
654-APNAPA6NC	APNAPA6NC	Str Plug w/ Cable Clamp, 2 - 1.6mm Pin cont	12.77
654-APNAPA7NC	APNAPA7NC	Jam Nut Recpt w/Cable Clamp, 2 - 1.6mm Pin	10.50
654-APNASA2N	APNASA2N	Box Mt Recpt, 2 - 1.6mm Socket contacts	7.64
654-APNASA6NC	APNASA6NC	Str Plug w/ Cable Clamp, 2 - 1.6mm Socket	10.50
654-APNASA7NC	APNASA7NC	Jam Nut Recpt w/Cable Clamp, 2 - 1.6mm Soc	12.12
654-APNAPF2N	APNAPF2N	Box Mt Recpt, 7 - 1mm Pin contacts	7.64
654-APNAPF6NC	APNAPF6NC	Str Plug w/ Cable Clamp, 7 - 1mm Pin contacts	13.29
654-APNAPF7NC	APNAPF7NC	Jam Nut Recpt w/ Cable Clamp, 7 - 1mm Pin	12.44
654-APNASF2N	APNASF2N	Box Mt Recpt, 7 - 1mm Socket contacts	8.85
654-APNASF6NC	APNASF6NC	Str Plug w/Cable Clamp, 7 - 1mm Socket	13.29
654-APNASF7NC	APNASF7NC	Jam Nut Recpt w/ Cable Clamp, 7 - 1mm Soc	12.44
Non-Sealed - 16mm - Nickel			
654-APNBPB2N	APNBPB2N	Box Mt Recpt, 2 - 2.5mm Pin contacts	12.17
654-APNBPB6NC	APNBPB6NC	Str Plug w/ Cable Clamp, 2 - 2.5mm Pin cont.	18.35
654-APNBPB7NC	APNBPB7NC	Jam Nut Recpt w/Cable Clamp, 2 - 2.5mm Pin	15.03
654-APNBSB2N	APNBSB2N	Box Mt Recpt, 2 - 2.5mm Socket contacts	10.91
654-APNBSB6NC	APNBSB6NC	Str Plug w/ Cable Clamp, 2 - 2.5mm Socket	18.35
654-APNBSB7NC	APNBSB7NC	Jam Nut Recpt w/Cable Clamp, 2 - 2.5mm Soc	16.77
654-APNBPF2N	APNBPF2N	Box Mt Recpt, 4 - 1.5mm Pin contacts	12.50
654-APNBPF6NC	APNBPF6NC	Str Plug w/ Cable Clamp, 4 - 1.5mm Pin cont	16.91
654-APNBPF7NC	APNBPF7NC	Jam Nut Recpt w/ Cable Clamp, 4 - 1.5mm Pin	15.33
654-APNBSF2N	APNBSF2N	Box Mt Recpt, 4 - 1.5mm Socket contacts	11.21
654-APNBSF6NC	APNBSF6NC	Str Plug w/ Cable Clamp, 4 - 1.5mm Socket	18.87
654-APNBSF7NC	APNBSF7NC	Jam Nut Recpt w/Cable Clamp, 4 - 1.5mm Soc	15.33
654-APNBPJ2N	APNBPJ2N	Box Mt Recpt, 12 - 1mm Pin contacts	21.72
654-APNBPJ6NC	APNBPJ6NC	Str Plug w/Cable Clamp, 12 - 1mm Pin cont	32.59
654-APNBPJ7NC	APNBPJ7NC	Jam Nut Recpt w/ Cable Clamp, 12 - 1mm Pin	25.83
654-APNBSJ2N	APNBSJ2N	Box Mt Recpt, 12 - 1mm Socket contacts	24.23
654-APNBSJ6NC	APNBSJ6NC	Str Plug w/ Cable Clamp, 12 - 1mm Socket	32.59
654-APNBSJ7NC	APNBSJ7NC	Jam Nut Recpt w/Cable Clamp, 12 - 1mm Soc	25.83
Non-Sealed - 12mm - Black			
654-APNAPA2B	APNAPA2B	Box Mt Recpt, 2 - 1.6mm Pin contacts	7.57
654-APNAPA6BR	APNAPA6BR	Str Plug w/ Rubber Boot, 2 - 1.6mm Pin	11.45
654-APNAPA7BR	APNAPA7BR	Jam Nut Recpt w/Rubber Boot, 2 - 1.6mm Pin	10.86
654-APNASA2B	APNASA2B	Box Mt Recpt, 2 - 1.6mm Socket contacts	7.64
654-APNASA6BR	APNASA6BR	Str Plug w/ Rubber Boot, 2 - 1.6mm Socket	11.45
654-APNASA7BR	APNASA7BR	Jam Nut Recpt w/Rubber Boot, 2 - 1.6mm Soc	10.86
654-APNAPF2B	APNAPF2B	Box Mt Recpt, 7 - 1mm Pin contacts	7.64
654-APNAPF6BR	APNAPF6BR	Str Plug w/Rubber Boot, 7 - 1mm Pin contacts	13.29
654-APNAPF7BR	APNAPF7BR	Jam Nut Recpt w/ Rubber Boot, 7 - 1mm Pin	12.44
654-APNASF2B	APNASF2B	Box Mt Recpt, 7 - 1mm Socket contacts	7.93
654-APNASF6BR	APNASF6BR	Str Plug w/ Rubber Boot, 7 - 1mm Socket	13.29
654-APNASF7BR	APNASF7BR	Jam Nut Recpt w/ Rubber Boot, 7 - 1mm Soc	11.16
Non-Sealed - 16mm - Black			
654-APNBPB2B	APNBPB2B	Box Mt Recpt, 2 - 2.5mm Pin contacts	12.17
654-APNBPB6BR	APNBPB6BR	Str Plug w/ Rubber Boot, 2 - 2.5mm Pin cont	16.45
654-APNBPB7BR	APNBPB7BR	Jam Nut Recpt w/Rubber Boot, 2 - 2.5mm Pin	15.03
654-APNBSB2B	APNBSB2B	Box Mt Recpt, 2 - 2.5mm Socket contacts	10.91
654-APNBSB6BR	APNBSB6BR	Str Plug w/ Rubber Boot, 2 - 2.5mm Socket	16.45
654-APNBSB7BR	APNBSB7BR	Jam Nut Recpt w/Rubber Boot, 2 - 2.5mm Soc	15.03
654-APNBPF2B	APNBPF2B	Box Mt Recpt, 4 - 1.5mm Pin contacts	12.50
654-APNBPF6BR	APNBPF6BR	Str Plug w/ Rubber Boot, 4 - 1.5mm Pin cont	16.91
654-APNBPF7BR	APNBPF7BR	Jam Nut Recpt w/Rubber Boot, 4 - 1.5mm Pin	15.33
654-APNBSF2B	APNBSF2B	Box Mt Recpt, 4 - 1.5mm Socket contacts	11.21
654-APNBSF6BR	APNBSF6BR	Str Plug w/ Rubber Boot, 4 - 1.5mm Socket	16.91
654-APNBSF7BR	APNBSF7BR	Jam Nut Recpt w/Rubber Boot, 4 - 1.5mm Soc	15.33
654-APNBPJ2B	APNBPJ2B	Box Mt Recpt, 12 - 1mm Pin contacts	24.23
654-APNBPJ6BR	APNBPJ6BR	Str Plug w/ Rubber Boot, 12 - 1mm Pin cont	32.59
654-APNBPJ7BR	APNBPJ7BR	Jam Nut Recpt w/Rubber Boot, 12 - 1mm Pin	25.83
654-APNBSJ2B	APNBSJ2B	Box Mt Recpt, 12 - 1mm Socket contacts	24.23
654-APNBSJ6BR	APNBSJ6BR	Str Plug w/ Rubber Boot, 12 - 1mm Socket	36.35
654-APNBSJ7BR	APNBSJ7BR	Jam Nut Recpt w/Rubber Boot, 12 - 1mm Soc	28.81

AMPHENOL Circular Connectors

RoHS Compliant **This page of product is compliant.**

SERIES C16-M ECO|MATE CIRCULAR CONNECTORS

The new eco|mate Series is designed to have ease of operation using reduced dimensions while withstandstanding harsh conditions. This new series is compatible and interchangeable with the well established C16-1 Series.

Features:
- Quick and easy assembly
- Vibration safe with non-sensitive screw locking
- Ergonomic coupling sleeve for better grip and safer handling
- Interchangeable with the C16-1 series
- Other colors available . Ask sales for details.

Specifications:
- Cable O.D.: 6 - 12.5mm
- Contact Plating: Silver
- IP Degree: IP 65 / IP67 (DIN EN 60529)
- Temperature range: -40°C to +100°C
- Flammability: UL94V-0

RoHS Compliant

Cable Connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Plating	Color	Termination Type	Voltage	Current	AWG Size	Price Each		
										1	10	50
Male, Straight with Clamping Ring												
523-C01620H00310010	C016 20H003 100 10	A	3 + PE	Silver	Blue	Screw	400V	16A	14	7.60	6.88	6.22
523-C01620H00310012	C016 20H003 100 12	A	3 + PE	Silver	Black	Screw	400V	16A	14	7.45	6.74	6.10
523-C01620H00320010	C016 20H003 200 10	A	3 + PE	Gold	Blue	Screw	400V	12A	14	11.33	10.25	9.28
523-C01620H00320012	C016 20H003 200 12	A	3 + PE	Gold	Black	Screw	400V	12A	14	11.33	10.25	9.28
523-C01630H00610010	C016 30H006 100 10	A	6 + PE	Silver	Blue	Solder	250V	10A	20	8.25	7.47	6.76
523-C01630H00610012	C016 30H006 100 12	A	6 + PE	Silver	Black	Solder	250V	10A	20	8.17	7.39	6.69
523-C01630H00620010	C016 30H006 200 10	A	6 + PE	Gold	Blue	Solder	250V	8A	20	12.76	11.54	10.45
523-C01630H00620012	C016 30H006 200 12	A	6 + PE	Gold	Black	Solder	250V	8A	20	12.76	11.54	10.45
Male, Straight with Internal Strain Relief												
523-C01620H00311010	C016 20H003 110 10	A	3 + PE	Silver	Blue	Screw	400V	16A	14	7.30	6.60	6.08
523-C01620H00311012	C016 20H003 110 12	A	3 + PE	Silver	Black	Screw	400V	16A	14	8.04	7.28	6.59
523-C01620H00321010	C016 20H003 210 10	A	3 + PE	Gold	Blue	Screw	400V	12A	14	12.06	10.91	9.88
523-C01620H00321012	C016 20H003 210 12	A	3 + PE	Gold	Black	Screw	400V	12A	14	12.06	10.91	9.88
523-C01630H00611010	C016 30H006 110 10	A	6 + PE	Silver	Blue	Solder	250V	10A	20	8.01	7.38	6.79
523-C01630H00611012	C016 30H006 110 12	A	6 + PE	Silver	Black	Solder	250V	10A	20	9.01	8.15	7.38
523-C01630H00621010	C016 30H006 210 10	A	6 + PE	Gold	Blue	Solder	250V	8A	20	13.47	12.19	11.03
523-C01630H00621012	C016 30H006 210 12	A	6 + PE	Gold	Black	Solder	250V	8A	20	13.47	12.19	11.03
Male, Right Angle with Clamping Ring												
523-C01620K00310010	C016 20K003 100 10	B	3 + PE	Silver	Blue	Screw	400V	16A	14	11.08	10.21	9.46
523-C01620K00310012	C016 20K003 100 12	B	3 + PE	Silver	Black	Screw	400V	16A	14	12.99	11.80	10.72
523-C01630K00610010	C016 30K006 100 10	B	6 + PE	Silver	Blue	Solder	250V	10A	20	12.31	11.67	10.75
523-C01630K00610012	C016 30K006 100 12	B	6 + PE	Silver	Black	Solder	250V	10A	20	12.30	11.67	10.75
Female, Straight with Clamping Ring												
523-C01620D00310010	C016 20D003 100 10	C	3 + PE	Silver	Blue	Screw	400V	16A	14	6.88	6.23	5.64
523-C01620D00310012	C016 20D003 100 12	C	3 + PE	Silver	Black	Screw	400V	16A	14	6.88	6.23	5.64
523-C01620D00320010	C016 20D003 200 10	C	3 + PE	Gold	Blue	Screw	400V	12A	14	13.03	11.79	10.67
523-C01620D00320012	C016 20D003 200 12	C	3 + PE	Gold	Black	Screw	400V	12A	14	13.03	11.79	10.67
523-C01630D00610010	C016 30D006 100 10	C	6 + PE	Silver	Blue	Solder	250V	10A	20	8.50	7.52	6.94
523-C01630D00610012	C016 30D006 100 12	C	6 + PE	Silver	Black	Solder	250V	10A	20	9.11	8.28	7.52
523-C01630D00620010	C016 30D006 200 10	C	6 + PE	Gold	Blue	Solder	250V	8A	20	13.37	12.15	11.03
523-C01630D00620012	C016 30D006 200 12	C	6 + PE	Gold	Black	Solder	250V	8A	20	13.21	12.00	10.90
Female, Straight with Internal Strain Relief												
523-C01620D00311010	C016 20D003 110 10	C	3 + PE	Silver	Blue	Screw	400V	16A	14	6.45	5.94	5.50
523-C01620D00311012	C016 20D003 110 12	C	3 + PE	Silver	Black	Screw	400V	16A	14	7.87	7.12	6.45
523-C01620D00321010	C016 20D003 210 10	C	3 + PE	Gold	Blue	Screw	400V	12A	14	14.27	12.91	11.69
523-C01620D00321012	C016 20D003 210 12	C	3 + PE	Gold	Black	Screw	400V	12A	14	14.27	12.91	11.69
523-C01630D00611010	C016 30D006 110 10	C	6 + PE	Silver	Blue	Solder	250V	10A	20	8.55	8.27	7.63
523-C01630D00611012	C016 30D006 110 12	C	6 + PE	Silver	Black	Solder	250V	10A	20	10.02	9.10	7.78
523-C01630D00621010	C016 30D006 210 10	C	6 + PE	Gold	Blue	Solder	250V	8A	20	13.92	12.64	11.48
523-C01630D00621012	C016 30D006 210 12	C	6 + PE	Gold	Black	Solder	250V	8A	20	13.84	12.57	11.42
Female, Right Angle with Clamping Ring												
523-C01620F00310010	C016 20F003 100 10	D	3 + PE	Silver	Blue	Screw	400V	16A	14	12.90	11.81	10.87
523-C01620F00310012	C016 20F003 100 12	D	3 + PE	Silver	Black	Screw	400V	16A	14	13.05	11.81	10.87
523-C01630F00610010	C016 30F006 100 10	D	6 + PE	Silver	Blue	Solder	250V	10A	20	15.58	14.15	12.85
523-C01630F00610012	C016 30F006 100 12	D	6 + PE	Silver	Black	Solder	250V	10A	20	15.58	14.15	12.85

Panel Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Plating	Color	Termination Type	Voltage	Current	AWG Size	Price Each		
										1	10	50
Male												
523-C01620C00310012	C016 20C003 100 12	E	3 + PE	Silver	Black	Screw	400V	16A	14	5.79	5.24	4.74
523-C01630C00610012	C016 30C006 100 12	E	6 + PE	Silver	Black	Solder	250V	10A	20	6.89	6.26	5.68
Female												
523-C01620G00310012	C016 20G003 100 12	F	3 + PE	Silver	Black	Screw	400V	16A	14	6.48	5.87	5.31
523-C01630G00610012	C016 30G006 100 12	F	6 + PE	Silver	Black	Solder	250V	10A	20	8.04	7.28	6.59

Protective Caps

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Description	Price Each		
			1	10	50
523-C01600U00001012	C016 00U000 010 12	Protective cover for male cable connector	5.29	4.76	4.03
523-C01600U00000012	C016 00U000 000 12	Protective cover for male receptacle	4.80	4.32	3.66
523-C01600V00001012	C016 00V000 010 12	Protective cover for female cable connector	4.62	4.16	3.53
523-C01600V00000012	C016 00V000 000 12	Protective cover for female receptacle	6.62	5.96	5.05

A

B

C

D

E

F

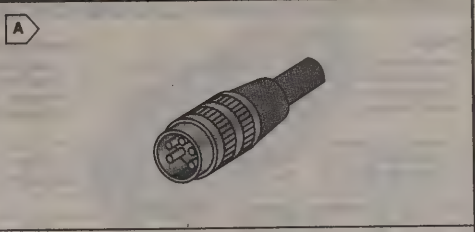
SERIES C091A CIRCULAR DIN CONNECTORS

Circular connectors with metal screw coupling and plastic back shell that provides EMI shielding.

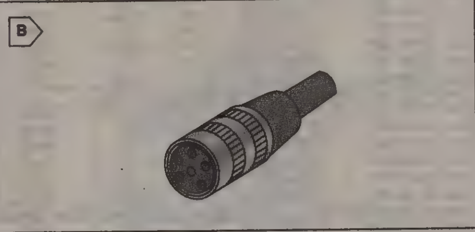
Features:
- Metal threaded coupling acc. to IEC 130-9
- Internal metal strain relief with half shell construction and snap-in latching
- UL Approval File # E63093
- Complete EMI Shielding in fully mated and locked position
- Solder Termination
- Cable Connector Length: 2.658 In.
- Cable Connector Diameter: .670 In.

Specifications:
- Temperature Range: -40° F to + 185°F (IEC 60068-1)
- IP-Degree: IP 40 (IEC 60529)
- Contact Plating: Silver
- Mating Cycles: 500
- Flammability: UL94V-0
- Dielectric material: Thermoplastic

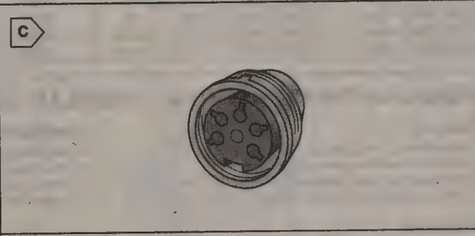
A



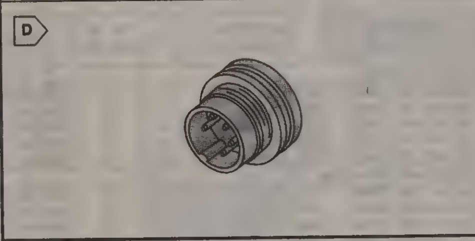
B



C



D



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Voltage (IEC 60664-1)	Current (IEC 60512-3)	AWG Size	Price Each		
							1	10	50
Male Cable Connector, Max cable O.D. is 6mm									
523-T3260-001	T 3260 001	A	3 DIN	300V	5A	20-26	8.33	7.50	6.82
523-T3300-001	T 3300 001	A	4 IEC	300V	5A	20-26	8.76	7.88	7.09
523-T3360-001	T 3360 001	A	5	300V	5A	20-26	9.16	8.21	7.16
523-T3400-001	T 3400 001	A	6 DIN	300V	5A	20-26	9.15	8.35	7.51
523-T3475-001	T 3475 001	A	7	300V	5A	20-26	10.17	8.84	7.75
523-T3504-001	T 3504 001	A	8 DIN	100V	5A	20-26	10.15	8.83	7.95
523-T3650-001	T 3650 001	A	14	150V	3A	24	17.65	16.61	15.07
Female Cable Connector, Max cable O.D. is 6mm									
523-T3261-001	T 3261 001	B	3 DIN	300V	5A	20-26	10.11	9.10	8.02
523-T3301-001	T 3301 001	B	4 IEC	300V	5A	20-26	10.11	9.10	8.19
523-T3361-001	T 3361 001	B	5	300V	5A	20-26	10.46	9.10	8.00
523-T3401-001	T 3401 001	B	6 DIN	300V	5A	20-26	11.65	10.15	8.91
523-T3476-001	T 3476 001	B	7	300V	5A	20-26	9.25	8.93	8.21
523-T3505-001	T 3505 001	B	8 DIN	100V	5A	20-26	12.08	11.17	10.03
523-T3651-001	T 3651 001	B	14	150V	3A	24	17.75	16.22	14.48
Female Panel Receptacle, Front Mounting									
523-T3263-000	T 3263 000	C	3 DIN	300V	5A	20-26	4.67	4.20	3.82
523-T3303-000	T 3303 000	C	4 IEC	300V	5A	20-26	4.95	4.44	3.94
523-T3363-000	T 3363 000	C	5	300V	5A	20-26	4.98	4.46	3.89
523-T3403-000	T 3403 000	C	6 DIN	300V	5A	20-26	5.40	4.83	4.30
523-T3478-000	T 3478 000	C	7	300V	5A	20-26	7.00	6.22	5.19
523-T3507-000	T 3507 000	C	8 DIN	100V	5A	20-26	9.14	8.19	6.89
523-T3653-000	T 3653 000	C	14	150V	3A	24	14.42	13.17	11.75
Male Panel Receptacle, Front Mounting									
523-T3262-000	T 3262 000	D	3 DIN	300V	5A	20-26	3.47	3.35	3.07
523-T3302-000	T 3302 000	D	4IEC	300V	5A	20-26	4.24	3.82	3.47
523-T3362-000	T 3362 000	D	5	300V	5A	20-26	4.67	4.19	3.79
523-T3402-000	T 3402 000	D	6 DIN	300V	5A	20-26	5.60	5.02	4.46
523-T3477-000	T 3477 000	D	7	300V	5A	20-26	5.63	5.04	4.57
523-T3506-000	T 3506 000	D	8 DIN	100V	5A	20-26	5.91	5.29	4.70

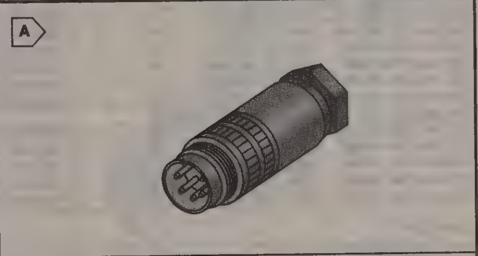
SERIES C091D IP67 RATED CIRCULAR DIN CONNECTORS

Circular connectors with metal screw coupling and back shell designed for harsh environmental conditions

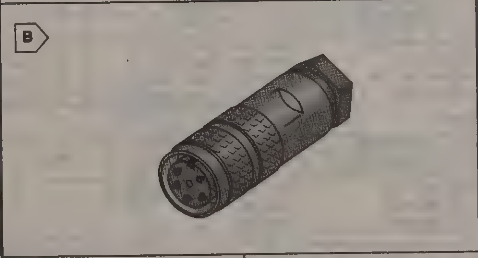
Features:
- Metal threaded coupling acc. to IEC 130-9
- Precision metal construction
- Internal metal strain relief
- UL Approval File # E63093
- Complete EMI Shielding in fully mated and locked position
- Solder Termination
- Cable Connector Length: 2.244 In.
- Cable Connector Diameter: .709 In.

Specifications:
- Temperature Range: -40° F to + 185°F (IEC 60068-1)
- IP-Degree: IP 67 (IEC 60529)
- Contact Plating: Silver
- Mating Cycles: 500
- Flammability: UL94V-0
- Dielectric material: Thermoplastic

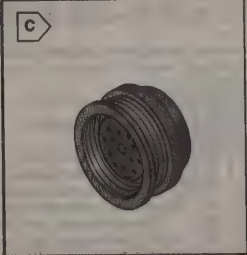
A



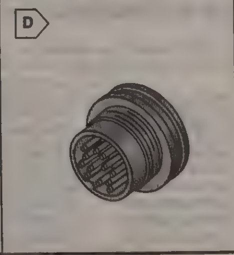
B



C



D



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Voltage (IEC 60664-1)	Current (IEC 60512-3)	AWG Size	Price Each		
							1	10	50
Male Cable Connector, Max cable O.D. is 6mm									
523-31H003-100-2	C091 31H003 100 2	A	3 DIN	300V	5A	20-26	19.76	17.78	15.52
523-31H005-100-2	C091 31H005 100 2	A	5 IEC	300V	5A	20-26	17.96	15.68	14.53
523-31H006-100-2	C091 31H006 100 2	A	6 DIN	300V	5A	20-26	17.20	16.70	15.87
523-31H008-100-2	C091 31H008 100 2	A	8 DIN	300V	5A	20-26	17.65	16.60	15.05
Female Cable Connector, Max cable O.D. is 6mm									
523-31D005-100-2	C091 31D005 100 2	B	5 IEC	300V	5A	20-26	20.87	18.78	16.40
523-31D006-100-2	C091 31D006 100 2	B	6 DIN	300V	5A	20-26	21.05	18.95	16.54
523-31D008-100-2	C091 31D008 100 2	B	8 DIN	300V	5A	20-26	19.36	18.22	16.52
Female Panel Receptacle, Front Mounting									
523-31N003-100-2	C091 31N003 100 2	C	3 DIN	300V	5A	20-26	7.23	6.51	5.68
523-31N005-100-2	C091 31N005 100 2	C	5 IEC	300V	5A	20-26	6.20	5.71	5.29
523-31N006-100-2	C091 31N006 100 2	C	6 DIN	300V	5A	20-26	8.44	7.60	6.63
523-31N008-100-2	C091 31N008 100 2	C	8 DIN	300V	5A	20-26	10.40	9.36	8.17
Male Panel Receptacle, Front Mounting									
523-31W003-100-2	C091 31W003 100 2	D	3 DIN	300V	5A	20-26	6.02	5.42	4.73
523-31W005-100-2	C091 31W005 100 2	D	5 IEC	300V	5A	20-26	5.36	4.94	4.57
523-31W006-100-2	C091 31W006 100 2	D	6 DIN	300V	5A	20-26	5.55	5.11	4.74
523-31W008-100-2	C091 31W008 100 2	D	8 DIN	300V	5A	20-26	7.13	6.42	5.60

SERIES C091B BAYONET LOCKING CIRCULAR DIN CONNECTORS

Features:

- Internal metal strain relief with half shell and snap-in locking
- UL Approval File # E63093
- Complete EMI shielding in fully mated and locked position
- Solder termination

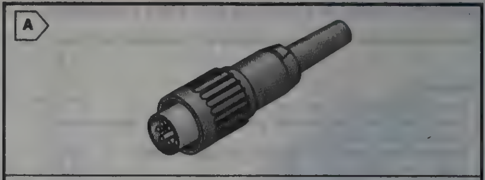
Specifications:

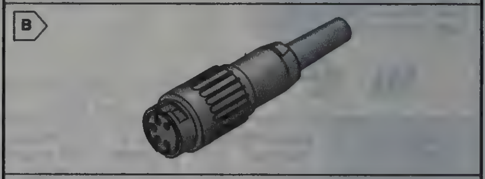
- Cable Diameter: 3 - 6mm
- Contact Plating: Silver
- IP Degree: IP 40 (IEC 60529)
- Temperature Range: -40°F - +185°F (IEC 60668-1)

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Voltage IEC 60664-1	Current IEC 60512-3	AWG Size	Price Each		
							1	10	50
Male Cable Connector, Bayonet Locking Inside									
523-T3274-501	T 3274 501	A	3 DIN	300V	5A	20 - 26	5.06	4.58	4.19
523-T3324-501	T 3324 501	A	4 IEC	300V	5A	20 - 26	5.44	4.92	4.50
523-T3374-501	T 3374 501	A	5	300V	5A	20 - 26	5.69	5.15	4.42
523-T3424-501	T 3424 501	A	6 DIN	300V	5A	20 - 26	8.83	8.00	6.87
523-T3434-501	T 3434 501	A	7	300V	5A	20 - 26	8.00	7.85	7.19
523-T3524-501	T 3524 501	A	8 DIN	150V	5A	20 - 26	8.83	8.00	6.87
Female Cable Connector, Bayonet Locking Outside									
523-T3278-501	T 3278 501	B	3 DIN	300V	5A	20 - 26	5.77	4.86	4.71
523-T3328-501	T 3328 501	B	4 IEC	300V	5A	20 - 26	6.40	5.79	5.29
523-T3378-501	T 3378 501	B	5	300V	5A	20 - 26	5.81	5.31	4.74
523-T3428-501	T 3428 501	B	6 DIN	300V	5A	20 - 26	9.91	9.22	8.49
523-T3438-501	T 3438 501	B	7	300V	5A	20 - 26	10.09	9.22	8.23
523-T3528-501	T 3528 501	B	8 DIN	150V	5A	20 - 26	9.76	9.26	8.52
Female Panel Receptacle, Bayonet Locking Outside, Rear Mounting									
523-T3327-100	T 3327 100	C	4 IEC	300V	5A	20 - 26	7.58	6.93	6.18
523-T3377-100	T 3377 100	C	5	300V	5A	20 - 26	6.95	6.20	5.76
523-T3427-100	T 3427 100	C	6 DIN	300V	5A	20 - 26	8.69	8.24	7.35
523-T3527-100	T 3527 100	C	8 DIN	150V	5A	20 - 26	10.75	9.83	8.77





SERIES 44 ENVIRONMENTAL CIRCULAR CONNECTORS

Features:

- Poke-Home® crimp contacts
- One piece water resistant design (IP65)
- Housings made from santoprene thermoplastic rubber
- Contacts sold separate from housings

Specifications:

- Temperature Range: -40°C to +125°C
- Wire Outer Diameter: .080" to .130"
- Mated Length: 2.174"
- Contact Plating: Silver

RoHS Compliant

Housings

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Contacts	Voltage	Current	AWG Size	Price Each		
							1	10	25
Plug Housings									
523-44-103-10002	044 103 10002	A	2	250VAC RMS	8A	14, 16 & 18	1.82	1.62	1.47
523-44-103-10003	044 103 10003	A	3	250VAC RMS	8A	14, 16 & 18	2.02	1.78	1.62
523-44-103-10004	044 103 10004	A	4	250VAC RMS	8A	14, 16 & 18	2.72	2.48	2.29
523-44-103-10005	044 103 10005	A	5	250VAC RMS	8A	14, 16 & 18	1.67	1.62	1.48
523-44-103-10006	044 103 10006	A	6	250VAC RMS	8A	14, 16 & 18	3.19	2.75	2.45
Receptacle Housings									
523-44-104-10002	044 104 10002 02	B	2	250VAC RMS	8A	14, 16 & 18	2.56	2.29	2.00
523-44-104-10003	044 104 10003 02	B	3	250VAC RMS	8A	14, 16 & 18	3.02	1.71	2.36
523-44-104-10004	044 104 10004 02	B	4	250VAC RMS	8A	14, 16 & 18	2.56	2.47	2.16
523-44-104-10005	044 104 10005 02	B	5	250VAC RMS	8A	14, 16 & 18	2.11	2.04	1.78
523-44-104-10006	044 104 10006 02	B	6	250VAC RMS	8A	14, 16 & 18	3.31	2.89	2.52
Plug Housings - Low Insertion Force									
523-44-103-99-899	044 103 99 899	A	2	250VAC RMS	8A	14, 16 & 18	1.24	1.13	1.05
523-44-103-10302	044 103 10302	A	2	250VAC RMS	8A	14, 16 & 18	1.30	1.25	1.10
523-44-103-10303	044 103 10303	A	3	250VAC RMS	8A	14, 16 & 18	1.24	1.20	1.05
523-44-103-10304	044 103 10304	A	4	250VAC RMS	8A	14, 16 & 18	1.72	1.54	1.35
523-44-103-10305	044 103 10305	A	5	250VAC RMS	8A	14, 16 & 18	1.47	1.42	1.24
523-44-103-10306	044 103 10306	A	6	250VAC RMS	8A	14, 16 & 18	1.98	1.91	1.67
Receptacle Housings - Low Insertion Force									
523-44-104-99-899	044 104 99 899	B	2	250VAC RMS	8A	14, 16 & 18	1.45	1.32	1.22
523-44-104-10302	044 104 10302	B	2	250VAC RMS	8A	14, 16 & 18	1.35	1.31	1.14
523-44-104-10304	044 104 10304	B	4	250VAC RMS	8A	14, 16 & 18	1.64	1.58	1.38
523-44-104-10305	044 104 10305	B	5	250VAC RMS	8A	14, 16 & 18	2.02	1.81	1.58
523-44-104-10306	044 104 10306	B	6	250VAC RMS	8A	14, 16 & 18	2.21	1.98	1.73

Contacts

For quantities of 10 and up, call for quote.

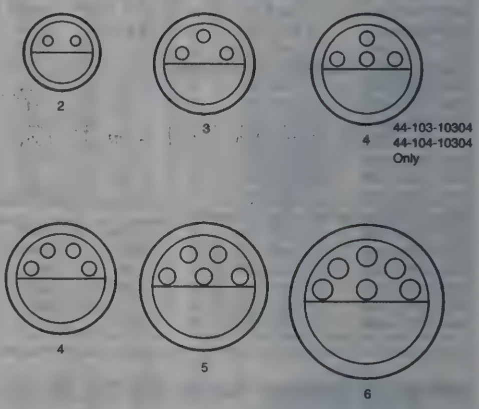
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each	
				1	5
523-1414P-100	044 100 1414P 100 101	C	Pin Contact, Bag of 100, for Recpt.	35.94	28.75
523-1414P	044 100 1414P 1000	C	Pin Contact, Single Contact, for Recpt.	.18	.17
523-1414S-100	044 102 1414S 100 101	D	Socket Contact, Bag of 100, for Plug	62.63	58.16
523-1414S	044 102 1414S 1000	D	Socket Contact, Single Contact, for Plug	.57	.50

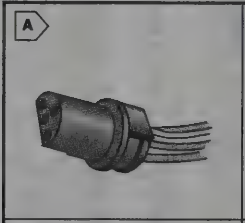
Tools

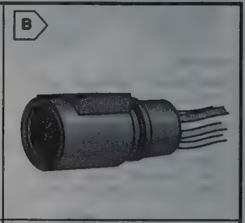
For quantities of 5 and up, call for quote.

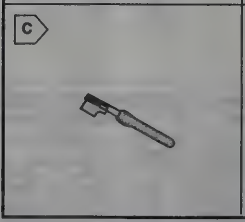
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each
523-357-588	357-588	-	Crimp Tool	202.85
523-356-258	356-258	-	Insertion Tool	45.27
523-356-259	356-259	-	Pin Extractor	43.83

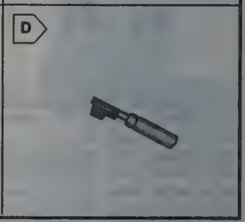
Insert Configurations











ENVIRONMENTALLY SEALED IN-LINE JUNCTIONS

Consist of compact, cylindrical plug and receptacle housings which lock firmly together with a straight push and unlock with either a "twist and pull" (single) or "squeeze and pull" (triple).

NEW FROM SUPPLIER

RoHS Compliant

For quantities of 100 and up, call for quote.

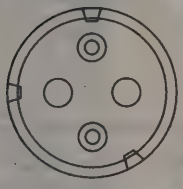
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Dia. (In.)	Mated Lgth (In.)	Price Each		
						1	10	50
523-SJS716110	SJS716110	A	Single splice plug, size 16 Red	0.39	1.65	12.36	11.24	9.51
523-SJS716210	SJS716210	A	Single splice receptacle size 16 Red	0.43	1.65	10.50	9.55	8.08
523-SJS816120	SJS816120	B	Triple splice plug size 16 Blue	0.70	1.60	14.10	12.82	10.85
523-SJS816220	SJS816220	B	Triple splice receptacle size 16 Blue	0.70	1.60	12.66	11.51	9.74
523-SJS820110	SJS820110	B	Triple splice plug size 20 White	0.70	1.68	14.10	12.82	10.85
523-SJS820210	SJS820210	B	Triple splice receptacle size 20 White	0.70	1.68	12.66	11.51	9.74

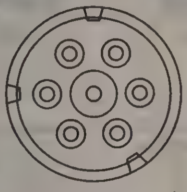
PL-700 SERIES PLASTIC SHELL AUTO-COUPLING CIRCULAR CONNECTORS

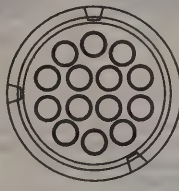
The PL-700 Series connectors feature Pulse-Lok®, auto-latch mating action that provides audible, visible and confirmation that connector pairs are fully engaged. Compact and configurable, the PL-700 Series is the most versatile offering in a .700" diameter package.

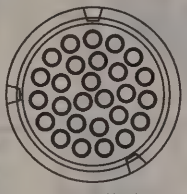
Features:

- Up to 27 contact positions
- Chemical resistant housing
- Sterilizable
- Plastic shell
- Up to 5,000 mating cycles (with std. contacts)
- Water proof (IP-67 rated)
- Auto coupling
- Ideal for medical environments


4 Pole, Key 1


7 Pole, Key 1


14 Pole, Key 1


27 Pole, Key 1

RECEPTACLES

In-Line

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Operating Voltage	Operating Current	Termination	Price Each	
							1	5
523-400238	400238	A	4 pole (2+2)	300V RMS	3.0A	Crimp/Solder	39.50	35.50
523-400266	400266	A	7 pole #22	300V RMS	3.0A	Crimp/Solder	36.22	32.60
523-400294	400294	A	14 pole #22	300V RMS	3.0A	Solder Cup	79.24	71.32
523-400322	400322	A	27 pole #26	300V RMS	1.0A	Solder Cup	138.18	124.36

Panel Mount Front Mount

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Operating Voltage	Operating Current	Termination	Price Each	
							1	5
523-400154	400154	B	4 pole (2+2)	300 V RMS	13.0-3.0A	Crimp/Solder	26.98	24.28
523-400168	400168	B	7 pole #22	300 V RMS	3.0A	Crimp/Solder	34.18	30.76
523-400182	400182	B	14 pole #22	300 V RMS	3.0A	Solder Cup	77.20	69.48
523-400196	400196	B	27 pole #26	300 V RMS	1.0A	Solder Cup	136.13	122.52

Panel Mount Rear Mount

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Operating Voltage	Operating Current	Termination	Price Each	
							1	5
523-431168	431168	C	7 pole #22	300 V RMS	3.0A	PCB	45.33	40.80
523-431182	431182	C	14 pole #22	300 V RMS	3.0A	PCB	80.98	72.88
523-431196	431196	C	27 pole #26	300 V RMS	1.0A	PCB	139.91	125.92

PLUGS

In-Line

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Operating Voltage	Operating Current	Termination	Price Each	
							1	5
523-400028	400028	D	4 pole (2+2)	300 V RMS	13.0-3.0A	Crimp/Solder	26.40	23.76
523-400056	400056	D	7 pole #22	300 V RMS	3.0A	Crimp/Solder	27.64	24.88
523-400084	400084	E	14 pole #22	300 V RMS	3.0A	Solder Cup	55.24	49.72
523-400112	400112	E	27 pole #26	300 V RMS	1.0A	Solder Cup	85.69	77.12

IN-LINE PLUGS AND RECEPTACLE BACKSHELLS

This unique backshell simply snaps into place providing an IP-67 rated seal to the plug housing and cable exit without hardware resulting in a clean overmolded look.

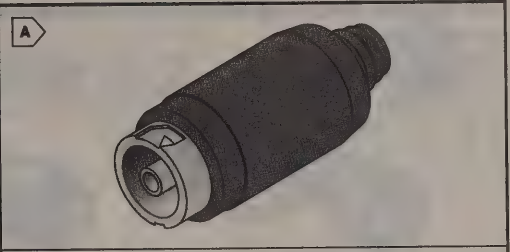
For quantities of 10 and up, call for quote.

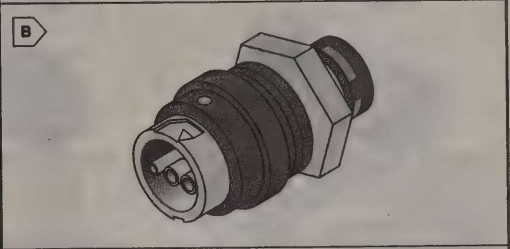
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Dimensions	Color	Price Each	
					1	5
523-400368	400368	F	.153	Black	6.49	5.84
523-400372	400372	F	.170	Black	6.49	5.84
523-400376	400376	F	.204	Black	6.49	5.84
523-400380	400380	F	.225	Black	6.49	5.84
523-400384	400384	F	.249	Black	6.49	5.84
523-400388	400388	F	.300	Black	6.49	5.84

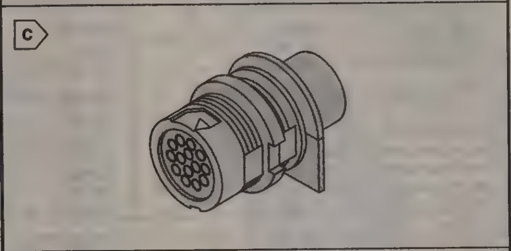
ACCESSORIES

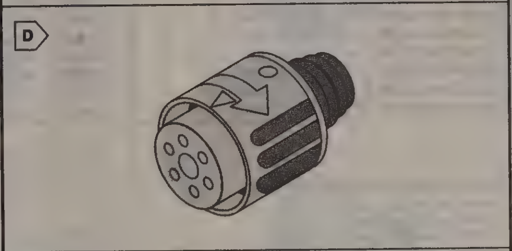
For quantities of 10 and up, call for quote.

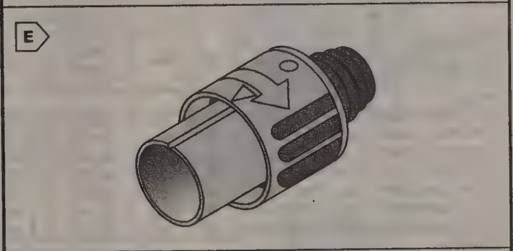
MOUSER STOCK NO.	Amphenol Part No.	Fig.	Dimensions	Color	Price Each	
					1	5
523-400391	400391	G	Soak Cap (no T)	Black	8.53	7.68

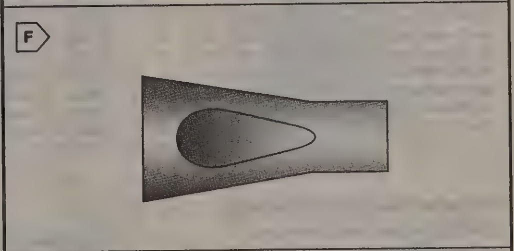


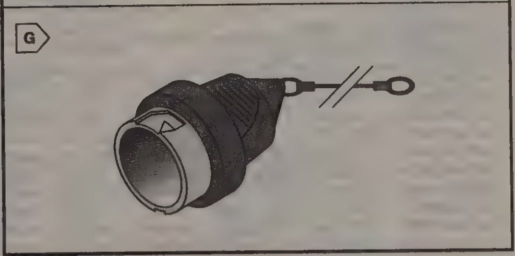












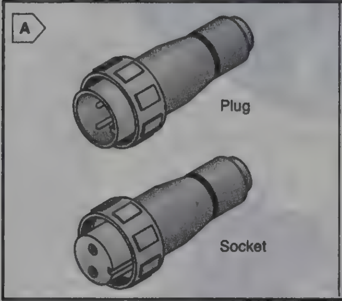
BULGIN 400 Series Buccaneer® Sealed Connectors

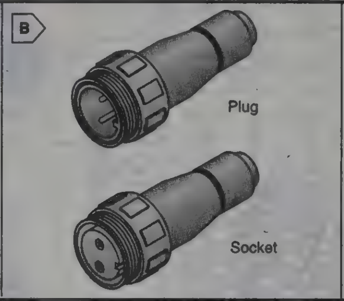
RoHS Compliant **This page of product is compliant.**

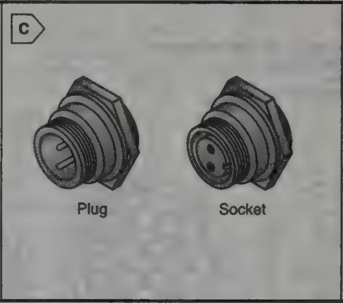
400 SERIES BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

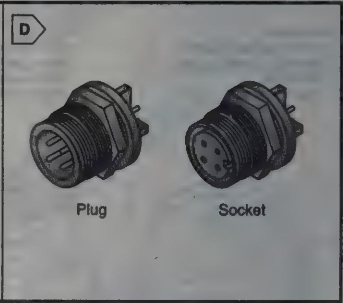
Specifications:

- Sealed to IP68 when mated
- Contact inserts are part of body moulding
- Cable range from 3 to 7mm
- Diameter over coupling ring 19.1mm
- Flame retardant moulding material: Polyamide UL94V-0
- RoHS Compliant per Bulgin documentation
- Secure sealing system
- UL, CSA, and VDE approvals









Flex Cable Connectors

- Mates with flex in-line or panel mounting versions
- Screw locking ring
- Contacts supplied separately
- RoHS Compliant per Bulgin documentation

RoHS Compliant
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Cable Dia. (mm)	Price Each 1	25	50	100
Plugs								
177-PX0410/02P	PX0410/02P/5560	A	2	5.5-6.0	4.15	3.40	3.11	2.67
177-PX0410/03P	PX0410/03P/5560	A	3	5.5-6.0	4.15	3.40	3.11	2.67
177-PX0410/04P	PX0410/04P/4550	A	4	4.5-5.0	4.15	3.40	3.11	2.67
177-PX0410/06P	PX0410/06P/4550	A	6	4.5-5.0	4.15	3.40	3.11	2.67
177-PX0410/08P	PX0410/08P/6065	A	8	6.0-6.5	4.15	3.40	3.11	2.67
177-PX0410/10P	PX0410/10P/6065	A	10	6.0-6.5	4.15	3.40	3.11	2.67
177-PX0410/12P	PX0410/12P/6065	A	12	6.0-6.5	4.15	3.40	3.11	2.67
Sockets								
167-PX0410/02S	PX0410/02S/5560	A	2	5.5-6.0	4.15	3.40	3.11	2.67
167-PX0410/03S	PX0410/03S/5560	A	3	5.5-6.0	4.15	3.40	3.11	2.67
167-PX0410/04S	PX0410/04S/4550	A	4	4.5-5.0	4.15	3.40	3.11	2.67
167-PX0410/06S	PX0410/06S/4550	A	6	4.5-5.0	4.15	3.40	3.11	2.67
167-PX0410/08S	PX0410/08S/6065	A	8	6.0-6.5	4.15	3.40	3.11	2.67
167-PX0410/10S	PX0410/10S/6065	A	10	6.0-6.5	4.15	3.40	3.11	2.67
167-PX0410/12S	PX0410/12S/6065	A	12	6.0-6.5	4.15	3.40	3.11	2.67

In-Line Flex Cable Connectors

- Mates with flex cable version
- For in-line cable connection
- Contacts supplied separately
- RoHS Compliant per Bulgin documentation

RoHS Compliant
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Cable Dia. (mm)	Price Each 1	25	50	100
Plugs								
177-PX0411/02P	PX0411/02P/5560	B	2	5.5-6.0	4.15	3.40	3.11	2.67
177-PX0411/03P	PX0411/03P/5560	B	3	5.5-6.0	4.15	3.40	3.11	2.67
177-PX0411/04P	PX0411/04P/4550	B	4	4.5-5.0	4.15	3.40	3.11	2.67
177-PX0411/06P	PX0411/06P/4550	B	6	4.5-5.0	4.15	3.40	3.11	2.67
177-PX0411/08P	PX0411/08P/6065	B	8	6.0-6.5	4.15	3.40	3.11	2.67
177-PX0411/10P	PX0411/10P/6065	B	10	6.0-6.5	4.15	3.40	3.11	2.67
177-PX0411/12P	PX0411/12P/6065	B	12	6.0-6.5	4.15	3.40	3.11	2.67
Sockets								
167-PX0411/02S	PX0411/02S/5560	B	2	5.5-6.0	4.15	3.40	3.11	2.67
167-PX0411/03S	PX0411/03S/5560	B	3	5.5-6.0	4.15	3.40	3.11	2.67
167-PX0411/04S	PX0411/04S/4550	B	4	4.5-5.0	4.15	3.40	3.11	2.67
167-PX0411/06S	PX0411/06S/4550	B	6	4.5-5.0	4.15	3.40	3.11	2.67
167-PX0411/08S	PX0411/08S/6065	B	8	6.0-6.5	4.15	3.40	3.11	2.67
167-PX0411/10S	PX0411/10S/6065	B	10	6.0-6.5	4.15	3.40	3.11	2.67
167-PX0411/12S	PX0411/12S/6065	B	12	6.0-6.5	4.15	3.40	3.11	2.67

400 Series Buccaneer® Contacts

- RoHS Compliant per Bulgin documentation

RoHS Compliant
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Gender	Termination	For Use with Poles	Price Each 1	25	50	100
157-SA3350/1	SA3350/1	Plug	Solder	2, 3	5.56	5.00	4.17	3.85
157-SA3349/1	SA3349/1	Socket	Solder	2, 3	7.60	6.84	5.70	5.26
157-SA3350	SA3350	Plug	Crimp	2, 3	5.56	5.00	4.17	3.85
157-SA3349	SA3349	Socket	Crimp	2, 3	7.60	6.84	5.70	5.26
157-SA3348/1	SA3348/1	Plug	Solder	4, 6, 8	4.05	3.64	3.03	2.80
157-SA3347/1	SA3347/1	Socket	Solder	4, 6, 8	7.00	6.30	5.25	4.85
157-SA3348	SA3348	Plug	Crimp	4, 6, 8	4.05	3.64	3.03	2.80
157-SA3347	SA3347	Socket	Crimp	4, 6, 8	7.00	6.30	5.25	4.85
157-SA3180/1	SA3180/1	Plug	Solder	10, 12	3.39	3.05	2.54	2.35
157-SA3179/1	SA3179/1	Socket	Solder	10, 12	5.75	5.18	4.31	3.98

Front Panel Mounting Connectors

- Mates with flex cable version
- Single hole fixing
- Contacts supplied separately
- RoHS Compliant per Bulgin documentation

RoHS Compliant
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Price Each 1	25	50	100
Plugs							
177-PX0412/02P	PX0412/02P	C	2	3.54	3.18	2.65	2.45
177-PX0412/03P	PX0412/03P	C	3	3.54	3.18	2.65	2.45
177-PX0412/04P	PX0412/04P	C	4	3.54	3.18	2.65	2.45
177-PX0412/06P	PX0412/06P	C	6	3.54	3.18	2.65	2.45
177-PX0412/08P	PX0412/08P	C	8	3.54	3.18	2.65	2.45
177-PX0412/10P	PX0412/10P	C	10	3.54	3.18	2.65	2.45
177-PX0412/12P	PX0412/12P	C	12	3.54	3.18	2.65	2.45
Sockets							
167-PX0412/02S	PX0412/02S	C	2	3.54	3.18	2.65	2.45
167-PX0412/03S	PX0412/03S	C	3	3.54	3.18	2.65	2.45
167-PX0412/04S	PX0412/04S	C	4	3.54	3.18	2.65	2.45
167-PX0412/06S	PX0412/06S	C	6	3.54	3.18	2.65	2.45
167-PX0412/08S	PX0412/08S	C	8	3.54	3.18	2.65	2.45
167-PX0412/10S	PX0412/10S	C	10	3.54	3.18	2.65	2.45
167-PX0412/12S	PX0412/12S	C	12	3.54	3.18	2.65	2.45

Rear Panel Mounting Connectors

- Mates with flex cable version
- Single hole fixing
- Supplied with pre-loaded gold plated contacts
- RoHS Compliant per Bulgin documentation

RoHS Compliant
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Price Each 1	25	50	100
Plugs							
177-PX0413/04P/PC	PX0413/04P/PC	D	4	7.18	6.52	5.98	5.52
177-PX0413/06P/PC	PX0413/06P/PC	D	6	9.00	8.15	7.50	6.93
177-PX0413/08P/PC	PX0413/08P/PC	D	8	10.90	9.90	9.10	8.40
177-PX0413/10P/PC	PX0413/10P/PC	D	10	14.32	13.29	11.76	9.71
177-PX0413/12P/PC	PX0413/12P/PC	D	12	14.08	12.67	11.52	10.56
Sockets							
167-PX0413/04S/PC	PX0413/04S/PC	D	4	8.23	7.48	6.86	6.33
167-PX0413/06S/PC	PX0413/06S/PC	D	6	10.20	9.30	8.53	7.88
167-PX0413/08S/PC	PX0413/08S/PC	D	8	12.31	11.18	10.25	9.46
167-PX0413/10S/PC	PX0413/10S/PC	D	10	15.59	14.04	12.76	11.70
167-PX0413/12S/PC	PX0413/12S/PC	D	12	16.09	14.48	13.17	12.07

400 Series Buccaneer® Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Description	Price Each 1	5
157-13027/2	13027/2	Insertion/Extraction Tool for 2, 3 Pole	4.90	4.55
157-13027/1	13027/1	Insertion/Extraction Tool for 4, 6, 8 Pole	5.31	4.93
157-13027	13027	Insertion/Extraction Tool for 10, 12 Pole	4.90	4.55
157-14025	14025	8 Indent Crimp Tool	321.03	299.82
157-14025/8AMP	14025/8AMP	Positioner for 2, 3 Pole - 8A, Blue	57.01	52.94
157-14025/5AMP	14025/5AMP	Positioner for 4, 6, 8 Pole - 5A, Red	57.01	52.94
157-14025/1AMP	14025/1AMP	Positioner for 10, 12 Pole - 1A, Green	57.01	52.94

400 Series Buccaneer® Accessories

- RoHS Compliant per Bulgin documentation

RoHS Compliant
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Description	Price Each 1	25	50	100
157-PX0481	PX0481	Sealing Cap for PX0410 type	1.05	.95	.79	.73
157-PX0480/1	PX0480/1	Sealing Cap for PX0411 type	1.05	.95	.79	.73
157-PX0480	PX0480	Sealing Cap for PX0412 type	1.05	.95	.79	.73
157-PX0484	PX0484	Sealing Cap for PX0413 type	1.37	1.25	1.14	1.05
157-PX0482	PX0482	Gland Pack for 3-5mm cable dia.	.76	.68	.57	.53
157-PX0483	PX0483	Gland Pack for 5-7mm cable dia.	.76	.68	.57	.53

BULGIN 900 Series Large Buccaneer® Sealed Connectors

BULGIN

RoHS Compliant **This page of product is compliant.**

900 SERIES LARGE BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

Specifications:

- Water and dustproof to IP68 when mated
- Positive locating keyways - cannot be mis-connected
- Compact design
- Easy assembly - no special tools required
- UL, CSA, and VDE approved
- Axial screw terminals
- Current rating: 32A
- Voltage rating: 600 VAC/VDC
- Contact resistance: <10mΩ initial
- Insulation resistance: >10^{6}MΩ @ 500 VDC
- Operating temperature: -40°C to +85°C
- Body material: Polyamide UL94V-0
- Contact material: Machined solid brass, nickel plated
- Cable Diameter: PX0: 13-15mm
  PXA: 20-22mm

Flex Cable Connectors

- Mates with in-line flex, panel or flange mounting versions
- Positive, fast acting locking ring - can be turned with a gloved hand
- PXA - strain relief clamp included
- RoHS Compliant per Bulgin documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Cable Diameter (mm)	Price Each		
					1	25	50
Plugs							
177-PX0911/02/P	PX0911/02/P	A	2	13-15	**14.72**	**13.52**	**12.02**
177-PX0911/03/P	PX0911/03/P	A	3	13-15	**16.39**	**15.06**	**13.38**
177-PX0911/04/P	PX0911/04/P	A	4	13-15	**18.03**	**16.56**	**14.72**
177-PX0911/05/P	PX0911/05/P	A	5	13-15	**19.74**	**18.13**	**16.11**
177-PXA911/07/P	PXA911/07/P	A	7	20-22	**30.24**	**27.77**	**24.68**
Sockets							
167-PX0911/02/S	PX0911/02/S	A	2	13-15	**15.56**	**14.29**	**12.70**
167-PX0911/03/S	PX0911/03/S	A	3	13-15	**17.57**	**16.14**	**14.35**
167-PX0911/04/S	PX0911/04/S	A	4	13-15	**19.63**	**18.02**	**16.02**
167-PX0911/05/S	PX0911/05/S	A	5	13-15	**21.64**	**19.88**	**17.67**
167-PXA911/07/S	PXA911/07/S	A	7	20-22	**32.52**	**29.87**	**26.55**

In-Line Flex Cable Connectors

- Mates with flex cable version
- PXA - strain relief clamp included
- RoHS Compliant per Bulgin documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Cable Diameter (mm)	Price Each		
					1	25	50
Plugs							
177-PX0921/02/P	PX0921/02/P	B	2	13-15	**11.37**	**10.44**	**9.28**
177-PX0921/03/P	PX0921/03/P	B	3	13-15	**13.05**	**11.98**	**10.65**
177-PX0921/04/P	PX0921/04/P	B	4	13-15	**14.72**	**13.52**	**12.02**
177-PX0921/05/P	PX0921/05/P	B	5	13-15	**16.39**	**15.06**	**13.38**
177-PXA921/07/P	PXA921/07/P	B	7	20-22	**26.44**	**24.28**	**21.58**
Sockets							
167-PX0921/02/S	PX0921/02/S	B	2	13-15	**12.21**	**11.21**	**9.97**
167-PX0921/03/S	PX0921/03/S	B	3	13-15	**14.23**	**13.06**	**11.61**
167-PX0921/04/S	PX0921/04/S	B	4	13-15	**16.28**	**14.95**	**13.29**
167-PX0921/05/S	PX0921/05/S	B	5	13-15	**18.30**	**16.80**	**14.94**
167-PXA921/07/S	PXA921/07/S	B	7	20-22	**28.72**	**26.37**	**23.44**

Panel Mounting Connectors

- Mates with flex cable version
- Single hole fixing
- Anti-rotation key
- High grade sealing gasket
- 3-7mm panel thickness
- RoHS Compliant per Bulgin documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Cable Diameter (mm)	Price Each		
					1	25	50
Plugs							
177-PX0931/02/P	PX0931/02/P	C	2	13-15	**9.62**	**8.64**	**7.86**
177-PX0931/03/P	PX0931/03/P	C	3	13-15	**11.33**	**10.41**	**9.25**
177-PX0931/04/P	PX0931/04/P	C	4	13-15	**12.97**	**11.91**	**10.59**
177-PX0931/05/P	PX0931/05/P	C	5	13-15	**14.68**	**13.49**	**11.99**
177-PX0931/07/P	PX0931/07/P	C	7	13-15	**22.63**	**20.78**	**18.47**
Sockets							
167-PX0931/02/S	PX0931/02/S	C	2	13-15	**10.50**	**9.64**	**8.57**
167-PX0931/03/S	PX0931/03/S	C	3	13-15	**12.51**	**11.49**	**10.22**
167-PX0931/04/S	PX0931/04/S	C	4	13-15	**14.53**	**13.34**	**11.86**
167-PX0931/05/S	PX0931/05/S	C	5	13-15	**16.58**	**15.23**	**13.54**
167-PX0931/07/S	PX0931/07/S	C	7	13-15	**24.91**	**22.88**	**20.34**

Flange Mounting Connectors

- Mates with flex cable version
- Supplied with sealing grommets for panel fixing screw (M6 thread recommended)
- Supplied with high grade sealing gasket
- RoHS Compliant per Bulgin documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Cable Diameter (mm)	Price Each		
					1	25	50
Plugs							
177-PX0941/02/P	PX0941/02/P	D	2	13-15	**17.80**	**16.35**	**14.53**
177-PX0941/03/P	PX0941/03/P	D	3	13-15	**19.47**	**17.88**	**15.90**
177-PX0941/04/P	PX0941/04/P	D	4	13-15	**21.19**	**19.46**	**17.29**
177-PX0941/05/P	PX0941/05/P	D	5	13-15	**22.82**	**20.96**	**18.63**
177-PX0941/07/P	PX0941/07/P	D	7	13-15	**30.62**	**28.12**	**25.00**
Sockets							
167-PX0941/02/S	PX0941/02/S	D	2	13-15	**18.64**	**17.12**	**15.21**
167-PX0941/03/S	PX0941/03/S	D	3	13-15	**20.65**	**18.97**	**16.86**
167-PX0941/04/S	PX0941/04/S	D	4	13-15	**22.71**	**20.85**	**18.54**
167-PX0941/05/S	PX0941/05/S	D	5	13-15	**24.72**	**22.71**	**20.18**
167-PX0941/07/S	PX0941/07/S	D	7	13-15	**33.09**	**30.39**	**27.01**

900 Series Buccaneer® Accessories

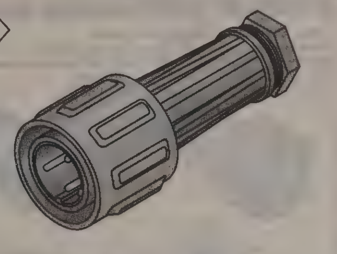
- RoHS Compliant per Bulgin documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

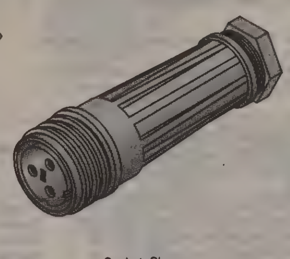
MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each		
				1	25	50
Plugs						
157-PX0950	PX0950	E	Right angle bulkhead adapter	**15.52**	**14.25**	**12.67**
157-PX0960	PX0960	F	Sealing cap for PX0911 & PXA911	**2.32**	**2.13**	**1.89**
157-PX0970	PX0970	F	Sealing cap for all others	**3.03**	**2.73**	**2.57**
157-PX0980	PX0980	- - -	Gland pack 7-13mm cable	**1.71**	**1.57**	**1.40**
157-PXA980	PXA980	- - -	Gland pack 14-20mm cable	**1.71**	**1.57**	**1.40**

A



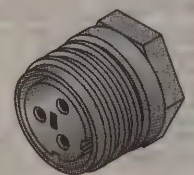
Plug Shown

B



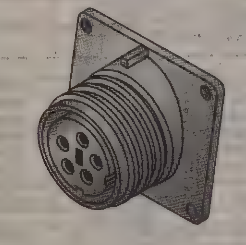
Socket Shown

C

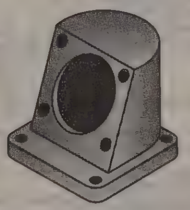


Socket Shown

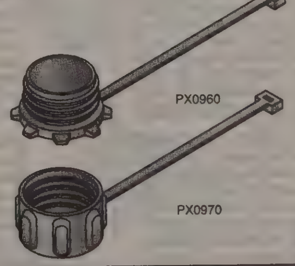
D



E



F



BULGIN Standard Buccaneer® Sealed Connectors

BULGIN

RoHS Compliant **This page of product is compliant.**

STANDARD BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

- Water and dustproof to IP68 when mated
- Positive locating keyways -cannot be mis-connected
- Compact design, easy assembly
- UL, CSA, and VDE approvals
- Diameter over coupling ring 38mm
- Cable range: 3.5mm - 9mm
- Body material: Glass filled polyamide UL94HB
- Operating temperature: -20°C to +70°C

A

Plug Shown

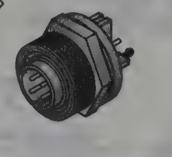
B

Socket Shown

C

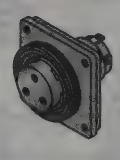
Plug Shown

D



Plug Shown

E



Socket Shown

F

Socket Shown

Flex Cable Connectors

- Mates with in-line flex or panel mounting versions
- Screw locking ring
- Standard cable acceptance (2 to 9 pole) 6-8mm
- RoHS Compliant per Bulgin documentation

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Termination	Contacts	Price Each			
						1	25	50	100
Plugs									
177-PX0736/P	PX0736/P	A	2	Screw	Supplied Fitted	**5.30**	**4.77**	**4.51**	**4.25**
177-PX0731/P	PX0731/P	A	3	Screw	Supplied Fitted	**5.64**	**5.08**	**4.80**	**4.51**
177-PX0748/P	PX0748/P	A	4	Screw	Supplied Fitted	**6.81**	**6.13**	**5.78**	**5.45**
177-PX0739/P	PX0739/P	A	6	Screw	Supplied Fitted	**6.32**	**5.69**	**5.37**	**5.06**
177-PX0745/P	PX0745/P	A	7	Screw	Supplied Fitted	**7.21**	**6.49**	**6.13**	**5.77**
177-PX0728/P	PX0728/P	A	9	Crimp	Supplied Loose	**6.40**	**5.76**	**5.45**	**5.12**
177-PX0794/P	PX0794/P	A	12	Crimp/Solder	Order Separately	**6.56**	**5.91**	**5.58**	**5.25**
177-PX0820/P	PX0820/P	A	25	Crimp/Solder	Order Separately	**3.95**	**3.55**	**3.36**	**3.16**
Sockets									
167-PX0736/S	PX0736/S	A	2	Screw	Supplied Fitted	**6.36**	**5.73**	**5.41**	**5.09**
167-PX0731/S	PX0731/S	A	3	Screw	Supplied Fitted	**6.70**	**6.03**	**5.70**	**5.36**
167-PX0748/S	PX0748/S	A	4	Screw	Supplied Fitted	**7.81**	**7.03**	**6.64**	**6.25**
167-PX0739/S	PX0739/S	A	6	Screw	Supplied Fitted	**8.12**	**7.31**	**6.91**	**6.50**
167-PX0745/S	PX0745/S	A	7	Screw	Supplied Fitted	**8.97**	**8.07**	**7.62**	**7.18**
167-PX0728/S	PX0728/S	A	9	Crimp	Supplied Loose	**6.40**	**5.76**	**5.45**	**5.12**
167-PX0794/S	PX0794/S	A	12	Crimp/Solder	Order Separately	**6.56**	**5.91**	**5.58**	**5.25**
167-PX0820/S	PX0820/S	A	25	Crimp/Solder	Order Separately	**3.94**	**3.55**	**3.36**	**3.16**

In-Line Flex Cable Connectors

- Mates with flex cable version
- Standard cable acceptance (2 to 9 pole) 6-8mm

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Termination	Contacts	Price Each			
						1	25	50	100
Plugs									
177-PX0737/P	PX0737/P	B	2	Screw	Supplied Fitted	**6.12**	**5.51**	**5.21**	**4.90**
177-PX0732/P	PX0732/P	B	3	Screw	Supplied Fitted	**6.46**	**5.82**	**5.50**	**5.17**
177-PX0749/P	PX0749/P	B	4	Screw	Supplied Fitted	**7.75**	**6.97**	**6.59**	**6.20**
177-PX0740/P	PX0740/P	B	6	Screw	Supplied Fitted	**7.04**	**6.34**	**5.98**	**5.64**
177-PX0746/P	PX0746/P	B	7	Screw	Supplied Fitted	**8.29**	**7.46**	**7.05**	**6.64**
177-PX0729/P	PX0729/P	B	9	Crimp	Supplied Loose	**7.35**	**6.61**	**6.25**	**5.88**
177-PX0795/P	PX0795/P	B	12	Crimp/Solder	Order Separately	**6.56**	**5.91**	**5.58**	**5.25**
177-PX0821/P	PX0821/P	B	25	Crimp/Solder	Order Separately	**4.16**	**3.75**	**3.54**	**3.33**
Sockets									
167-PX0737/S	PX0737/S	B	2	Screw	Supplied Fitted	**7.20**	**6.48**	**6.12**	**5.76**
167-PX0732/S	PX0732/S	B	3	Screw	Supplied Fitted	**7.52**	**6.77**	**6.40**	**6.02**
167-PX0749/S	PX0749/S	B	4	Screw	Supplied Fitted	**8.88**	**8.00**	**7.55**	**7.11**
167-PX0740/S	PX0740/S	B	6	Screw	Supplied Fitted	**8.52**	**7.67**	**7.25**	**6.82**
167-PX0746/S	PX0746/S	B	7	Screw	Supplied Fitted	**10.04**	**9.04**	**8.54**	**8.04**
167-PX0729/S	PX0729/S	B	9	Crimp	Supplied Loose	**7.35**	**6.61**	**6.25**	**5.88**
167-PX0795/S	PX0795/S	B	12	Crimp/Solder	Order Separately	**6.56**	**5.91**	**5.58**	**5.25**
167-PX0821/S	PX0821/S	B	25	Crimp/Solder	Order Separately	**4.16**	**3.75**	**3.54**	**3.33**

Panel Mounting Connectors

- Mates with flex cable version
- Front panel mounting
- Single hole fixing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Termination	Contacts	Price Each			
						1	25	50	100
Plugs									
177-PX0735/P	PX0735/P	C	2	Screw	Supplied Fitted	**4.14**	**3.73**	**3.52**	**3.32**
177-PX0730/P	PX0730/P	C	3	Screw	Supplied Fitted	**4.54**	**4.09**	**3.86**	**3.64**
177-PX0747/P	PX0747/P	C	4	Screw	Supplied Fitted	**5.43**	**4.89**	**4.62**	**4.35**
177-PX0738/P	PX0738/P	C	6	Screw	Supplied Fitted	**5.14**	**4.63**	**4.37**	**4.12**
177-PX0744/P	PX0744/P	C	7	Screw	Supplied Fitted	**6.02**	**5.42**	**5.12**	**4.82**
177-PX0727/P	PX0727/P	C	9	Crimp	Supplied Loose	**5.02**	**4.52**	**4.27**	**4.02**
177-PX0796/P	PX0796/P	C	12	Crimp/Solder	Order Separately	**6.78**	**6.10**	**5.77**	**5.43**
177-PX0822/P	PX0822/P	C	25	Crimp/Solder	Order Separately	**2.97**	**2.67**	**2.53**	**2.38**
Sockets									
167-PX0735/S	PX0735/S	C	2	Screw	Supplied Fitted	**5.22**	**4.70**	**4.44**	**4.18**
167-PX0730/S	PX0730/S	C	3	Screw	Supplied Fitted	**5.64**	**5.08**	**4.80**	**4.52**
167-PX0747/S	PX0747/S	C	4	Screw	Supplied Fitted	**6.51**	**5.86**	**5.54**	**5.21**
167-PX0738/S	PX0738/S	C	6	Screw	Supplied Fitted	**7.36**	**6.63**	**6.26**	**5.89**
167-PX0744/S	PX0744/S	C	7	Screw	Supplied Fitted	**7.81**	**7.03**	**6.64**	**6.25**
167-PX0727/S	PX0727/S	C	9	Crimp	Supplied Loose	**5.03**	**4.52**	**4.27**	**4.02**
167-PX0796/S	PX0796/S	C	12	Crimp/Solder	Order Separately	**6.78**	**6.10**	**5.76**	**5.43**
167-PX0822/S	PX0822/S	C	25	Crimp/Solder	Order Separately	**2.97**	**2.67**	**2.53**	**2.38**

PCB Mounting Connectors - Rear Panel Mounting

- Mates with flex cable version
- RoHS Compliant per Bulgin documentation

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Poles	Term.	Contacts	Price Each			
						1	25	50	100
Plugs									
177-PX0707/P/03	PX0707/P/03	D	3	PCB	Supplied Fitted	**7.72**	**6.95**	**6.56**	**6.18**
177-PX0707/P/06	PX0707/P/06	D	6	PCB	Supplied Fitted	**9.32**	**8.39**	**7.93**	**7.46**
177-PX0707/P/09	PX0707/P/09	D	9	PCB	Supplied Fitted	**11.08**	**9.97**	**9.42**	**8.86**
177-PX0707/P/12	PX0707/P/12	D	12	PCB	Supplied Fitted	**12.24**	**11.02**	**10.41**	**9.80**
177-PX0707/P/25	PX0707/P/25	D	25	PCB	Supplied Fitted	**18.68**	**16.82**	**15.88**	**14.95**
Sockets									
167-PX0707/S/03	PX0707/S/03	D	3	PCB	Supplied Fitted	**9.78**	**8.81**	**8.32**	**7.83**
167-PX0707/S/06	PX0707/S/06	D	6	PCB	Supplied Fitted	**12.84**	**11.56**	**10.92**	**10.28**
167-PX0707/S/09	PX0707/S/09	D	9	PCB	Supplied Fitted	**14.00**	**12.60**	**11.90**	**11.20**
167-PX0707/S/12	PX0707/S/12	D	12	PCB	Supplied Fitted	**15.18**	**13.67**	**12.91**	**12.15**
167-PX0707/S/25	PX0707/S/25	D	25	PCB	Supplied Fitted	**21.60**	**19.45**	**18.36**	**17.28**

Low Profile Flange Mounting Connectors

- Mates with flex cable version
- Screw flange fixing
- Supplied with sealing gasket and screw sealing grommets
- RoHS Compliant per Bulgin documentation

Plugs									
177-PX0764/P	PX0764/P	E	2	Screw	Supplied Fitted	**5.46**	**4.92**	**4.65**	**4.37**
177-PX0765/P	PX0765/P	E	3	Screw	Supplied Fitted	**5.46**	**4.92**	**4.65**	**4.37**
177-PX0767/P	PX0767/P	E	6	Screw	Supplied Fitted	**6.04**	**5.44**	**5.14**	**4.84**
177-PX0769/P	PX0769/P	E	9	Crimp	Supplied Loose	**7.30**	**6.56**	**6.20**	**5.84**
Sockets									
167-PX0764/S	PX0764/S	E	2	Screw	Supplied Fitted	**6.12**	**5.51**	**5.21**	**4.90**
167-PX0765/S	PX0765/S	E	3	Screw	Supplied Fitted	**6.54**	**5.89**	**5.56**	**5.24**
167-PX0767/S	PX0767/S	E	6	Screw	Supplied Fitted	**7.50**	**6.75**	**6.38**	**6.00**
167-PX0769/S	PX0769/S	E	9	Crimp	Supplied Loose	**7.30**	**6.56**	**6.20**	**5.84**

Bulkhead Flange Mounting Connectors

- Mates with flex cable version
- Screw fixing flange
- Supplied with sealing gasket and screw sealing grommets
- RoHS Compliant per Bulgin documentation

Plugs									
177-PX0757/P	PX0757/P	F	2	Screw	Supplied Fitted	**5.52**	**4.97**	**4.70**	**4.42**
177-PX0756/P	PX0756/P	F	3	Screw	Supplied Fitted	**5.62**	**5.06**	**4.78**	**4.50**
177-PX0758/P	PX0758/P	F	6	Screw	Supplied Fitted	**6.26**	**5.64**	**5.32**	**5.01**
Sockets									
167-PX0757/S	PX0757/S	F	2	Screw	Supplied Fitted	**6.22**	**5.60**	**5.29**	**4.98**
167-PX0756/S	PX0756/S	F	3	Screw	Supplied Fitted	**6.67**	**6.00**	**5.67**	**5.33**
167-PX0758/S	PX0758/S	F	6	Screw	Supplied Fitted	**7.66**	**6.89**	**6.52**	**6.13**

Standard Buccaneer® Contacts

- Pack of ten contacts
- Gold plated
- RoHS Compliant per Bulgin documentation

MOUSER STOCK NO.	Bulgin Part No.	Gender	Termination	For Use With	Price Each			
					1	25	50	100
157-SA3348	SA3348	Plug	Crimp	12 Pole	**4.05**	**3.64**	**3.03**	**2.80**
157-SA3348/1	SA3348/1	Plug	Solder	12 Pole	**4.05**	**3.64**	**3.03**	**2.80**
157-SA3347	SA3347	Socket	Crimp	12 Pole	**7.00**	**6.30**	**5.25**	**4.85**
157-SA3347/1	SA3347/1	Socket	Solder	12 Pole	**7.00**	**6.30**	**5.25**	**4.85**
157-SA3180	SA3180	Plug	Crimp	25 Pole	**3.39**	**3.05**	**2.54**	**2.35**
157-SA3180/1	SA3180/1	Plug	Solder	25 Pole	**3.39**	**3.05**	**2.54**	**2.35**
157-SA3179	SA3179	Socket	Crimp	25 Pole	**5.03**	**4.53**	**3.77**	**3.48**
157-SA3179/1	SA3179/1	Socket	Solder	25 Pole	**5.75**	**5.18**	**4.31**	**3.98**

Standard Buccaneer® Tools

MOUSER STOCK NO.	Bulgin Part No.	Description	Price Each	
			1	5
157-13826	13826	Crimp Tool for 9 pole connectors	**68.21**	**63.34**
157-14025	14025	Crimp Tool for 12 pole connectors	**321.03**	**299.82**
157-14025/5AMP	14025/5AMP	Positioner for 14025 crimp tool - 5A	**57.01**	**52.94**
157-13170	13170	Crimp Tool for 25 pole connectors	**158.36**	**157.54**
157-13027/1	13027/1	Insertion/Extraction Tool for 12 pole connectors	**4.90**	**4.55**
157-13027	13027	Insertion/Extraction Tool for 25 pole connectors	**4.90**	**4.55**

Standard Buccaneer® Accessories

- RoHS Compliant per Bulgin documentation

MOUSER STOCK NO.	Bulgin Part No.	Description	Price Each			
			1	25	50	100
157-PX0777	PX0777	Sealed In-Line Cable Joiner	**6.34**	**5.70**	**5.18**	**5.00**
157-PX0734	PX0734	Sealing Cap for flex type	**1.14**	**1.05**	**.93**	**.78**
157-PX0733	PX0733	Sealing cap for panel mount & in-line type	**.96**	**.85**	**.77**	**.69**
157-PX0711	PX0711	Sealing cap for PCB and rear panel mount type	**1.51**	**1.37**	**1.26**	**1.16**
157-12237	12237	Cable Support for 5-7mm and 7-9mm cable dia.	**1.09**	**.97**	**.87**	**.80**

BULGIN Mini and SMB Buccaneer® Sealed Connectors

RoHS Compliant **This page of product is compliant.**

MINI BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

- Sealed to IP68 when mated
- Cable range from 3.5 to 9mm
- Diameter over coupling ring 26mm
- Positive locating keyways - cannot be mis-mated
- Flammability rating UL94V-0
- Compact design
- Easy assembly - no special tools required on screw terminal versions
- RoHS Compliant per Bulgin documentation

RoHS Compliant

Flex Cable Connector

- Mates with flex in-line or panel mounting versions
- Cable Acceptance: 3.5 - 9mm (Standard 5 -7mm)
- Suitable for plug or socket inserts sold separately
- Screw locking ring

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
157-PX0800	PX0800	A	Flex cable body	3.73	3.29	3.04	2.54

In-Line Flex Cable Connector

- Mates with flex cable version
- Cable Acceptance: 3.5 - 9mm (Standard 5 -7mm)
- Suitable for plug or socket inserts sold separately

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
157-PX0801	PX0801	B	In-line flex cable body	3.42	3.04	2.83	2.36

Right Angle Panel Mounting Connector

- Mates with flex cable version
- Right angle cable entry
- Suitable for plug or socket inserts sold separately
- Single hole fixing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
157-PX0803	PX0803	C	Right angle panel mount body	2.82	2.56	2.34	2.16

Straight Panel Mounting Connector

- Mates with flex cable version
- Complete with sealing cap and retaining clip
- Suitable for plug or socket inserts sold separately
- Single hole fixing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
157-PX0805	PX0805	D	Straight panel mount body	2.82	2.56	2.34	2.16

Screw Terminal Inserts

- Fits all body styles above
- Nickel plated contacts

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	No of Poles	Gender	Price Each			
					1	25	50	100
177-SA3320	SA3320	E	2	Plug	3.40	3.06	2.90	2.73
177-SA3230	SA3230	E	3	Plug	3.23	2.94	2.69	2.49
177-SA3241	SA3241	E	4	Plug	4.05	3.68	3.38	3.12
177-SA3243	SA3243	E	6	Plug	5.40	4.96	4.41	3.68
167-SA3319	SA3319	F	2	Socket	3.69	3.39	3.01	2.51
167-SA3229	SA3229	F	3	Socket	5.57	5.06	4.64	4.28
167-SA3242	SA3242	F	4	Socket	5.67	5.13	4.72	4.36
167-SA3244	SA3244	F	6	Socket	6.14	5.58	5.12	4.72

Mini Buccaneer® Accessories

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Description	Price Each			
			1	25	50	100
157-PX0811	PX0811	Sealing cap for PX0800	1.14	1.05	.93	.78
157-PX0810	PX0810	Sealing cap for PX0801-PX0805	1.14	1.05	.93	.78
157-PX0812	PX0812	Gland 3 pack - 3.5-5mm, 6-8mm, 7-9mm	.33	.30	.27	.23

SMB BUCCANEER® ENVIRONMENTALLY SEALED CONNECTORS

- Sealed to IP68 when mated
- 50Ω Impedance SMB connector
- Frequency range 0-4GHz
- Gold plated contacts
- Diameter over coupling ring 19mm
- Body moulding: Nylon UL94V-0 rated

RoHS Compliant

Pre-Wireable Flex Connector

- Mates with panel mounting version
- Supplied with SMB plug
- For RG-174 cable

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
157-PX0415/1	PX0415/1	G	Re-wireable connector with SMB Plug	11.76	10.69	9.79	9.04

Pre-Wired Flex Connectors

- Mates with panel mounting version
- Supplied with SMB plug terminated with RG-174 cable
- Overmoulded construction

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
157-PX0416/1M00	PX0416/1M00	H	Pre-wired with SMB plug - 1m cable length	12.85	11.68	10.71	9.88
157-PX0416/3M00	PX0416/3M00	H	Pre-wired with SMB plug - 3m cable length	15.05	13.68	12.54	11.57
157-PX0416/5M00	PX0416/5M00	H	Pre-wired with SMB plug - 5m cable length	17.43	15.84	14.52	13.40

Panel Mounting Connectors

- Mates with re-wirable and pre-wired flex versions
- Supplied with SMB jack terminated with RG-174 cable
- Single hole fixing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Description	Price Each			
				1	25	50	100
157-PX0414/0M50	PX0414/0M50	I	Panel mount with SMB jack - 0.5m cable length	18.48	16.80	15.40	14.21
157-PX0414/1M00	PX0414/1M00	I	Panel mount with SMB jack - 1.0m cable length	19.49	17.72	16.24	14.99
157-PX0414/1M50	PX0414/1M50	I	Panel mount with SMB jack - 1.5m cable length	20.54	18.67	17.11	15.80

SMB Buccaneer® Accessories

For quantities of 250 and up, call for quote.

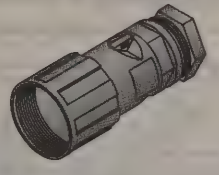
MOUSER STOCK NO.	Bulgin Part No.	Description	Price Each			
			1	25	50	100
157-PX0480	PX0480	Sealing Cap for PX0414 panel mount connector	1.05	.95	.79	.73
157-PX0481	PX0481	Sealing Cap for PX0415 re-wireable flex connector	1.05	.95	.79	.73
157-PX0485	PX0485	Sealing Cap for PX0416 overmoulded flex connector	1.14	1.04	.93	.78

SMB Buccaneer® Tool

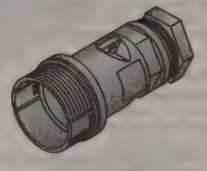
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Description	Price Each	
			1	5
157-14319	14319	Hand crimp tool for SMB connectors	114.25	106.09

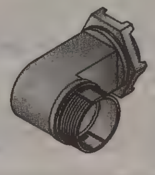
A



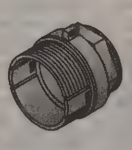
B



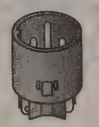
C



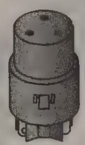
D



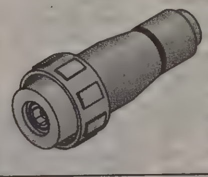
E



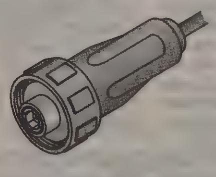
F



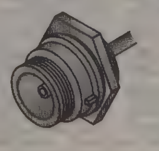
G



H



I



CONXALL Micro-Con-X® and Mini-Con-X® Series

conxall®
A Switchcraft Company

FIELD INSTALLABLE CONNECTORS

Low cost Standard connectors for Industrial and Marine Applications

The all plastic connector is corrosion resistant, non-conductive and withstands substantial abuse, hostile environments, and heavy impacts that would otherwise cause metal connectors to corrode, deform or become electrically conductive and thus become unusable or unsafe.

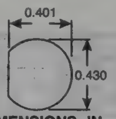
Features:

- Solder Cup Termination
- Corrosion resistant and non-conductive connectors
- Suitable for use in hostile environments
- Coupling rings have overriding locking feature to prevent loosening or separation of connector
- RoHS compliance per Conxall documentation
- UL Recognized File # E138878-250V
- CSA Certified File # LR89277-600V

Specifications:

- Connector body & Backshell: Black Nylon
- Connector: Gold over Nickel
- Grommet: Black Santoprene Rubber
- Voltage: 600V
- Durability: Minimum 300 mate/unmate cycles w/out mechanical or electrical failure
- Temperature Rating: -55°C to +125°C (-67°F to +257°F)
- Watertight: Up to IP67/NEMA 6P

Recommended Panel Cut-Out ±.003



DIMENSIONS: IN

Micro-Con-X® Subminiature Series

Contact size #20; #20-24 AWG

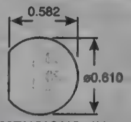
RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Conxall Part No.	Fig.	No. of Contacts	Contact Type	Dimension (In.)		Contact Rating *	Price Each		
					A	B		1	10	25
Cable End										
502-16282-2PG-315	16282-2PG-315	A	2	Pin	1.290	0.530	7.5A	3.47	2.83	2.59
502-16282-2SG-315	16282-2SG-315	B	2	Socket	1.290	0.530	7.5A	4.01	3.27	3.00
502-16282-3PG-315	16282-3PG-315	A	3	Pin	1.290	0.530	7.5A	4.06	3.69	3.50
502-16282-3SG-315	16282-3SG-315	B	3	Socket	1.290	0.530	7.5A	5.76	5.24	4.97
Panel Mount (with hex nut and flanged gasket)										
502-17282-2PG-300	17282-2PG-300	C	2	Pin	0.715	0.715	7.5A	2.60	2.35	2.14
502-17282-2SG-300	17282-2SG-300	D	2	Socket	0.715	0.715	7.5A	3.00	2.87	2.72
502-17282-3PG-300	17282-3PG-300	C	3	Pin	0.715	0.715	7.5A	3.71	3.37	3.20
502-17282-3SG-300	17282-3SG-300	D	3	Socket	0.715	0.72	7.5A	4.78	4.35	4.13
Cable to Cable										
502-18282-2PG-315	18282-2PG-315	E	2	Pin	1.320	0.500	7.5A	2.85	2.59	2.46
502-18282-2SG-315	18282-2SG-315	F	2	Socket	1.320	0.500	7.5A	4.48	4.07	3.87
502-18282-3PG-315	18282-3PG-315	E	3	Pin	1.320	0.500	7.5A	4.34	3.94	3.75
502-18282-3SG-315	18282-3SG-315	F	3	Socket	1.320	0.500	7.5A	5.53	5.02	4.77

* Amperage is limited also by wire specifications.

Recommended Panel Cut-Out ±.003



DIMENSIONS: IN

Mini-Con-X® Series

Contact size #20; #20-24 AWG

RoHS Compliant

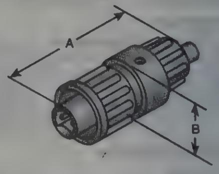
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Conxall Part No.	Fig.	No. of Contacts	Contact Type	Dimension (In.)		Contact Rating*	Price Each		
					A	B		1	10	25
Cable End										
502-6282-2PG-3DC	6282-2PG-3DC	A	2	Pin	1.315	0.715	7.5A	4.71	4.28	4.07
502-6282-2SG-3DC	6282-2SG-3DC	B	2	Socket	1.315	0.715	7.5A	5.53	5.02	4.77
502-6282-3PG-3DC	6282-3PG-3DC	A	3	Pin	1.315	0.715	7.5A	5.41	4.92	4.67
502-6282-3SG-3DC	6282-3SG-3DC	B	3	Socket	1.315	0.715	7.5A	6.58	5.98	5.68
502-6282-4PG-3DC	6282-4PG-3DC	A	4	Pin	1.315	0.715	5.6A	6.06	5.51	5.24
502-6282-4SG-3DC	6282-4SG-3DC	B	4	Socket	1.315	0.715	5.6A	7.60	6.91	6.57
502-6282-5PG-3DC	6282-5PG-3DC	A	5	Pin	1.315	0.715	5.6A	6.74	6.13	5.82
502-6282-5SG-3DC	6282-5SG-3DC	B	5	Socket	1,315	0.715	5.6A	8.58	7.80	7.41
502-6282-6PG-3DC	6282-6PG-3DC	A	6	Pin	1.315	0.715	5.6A	7.35	6.68	6.34
502-6282-6SG-3DC	6282-6SG-3DC	B	6	Socket	1.315	0.715	5.6A	9.51	8.65	8.22
Panel Mount (with hex nut and flanged gasket)										
502-7282-2PG-300	7282-2PG-300	C	2	Pin	0.675	0.924	7.5A	3.01	2.73	2.60
502-7282-2SG-300	7282-2SG-300	D	2	Socket	0.675	0.924	7.5A	3.57	3.24	3.08
502-7282-3PG-300	7282-3PG-300	C	3	Pin	0.675	0.924	7.5A	3.73	3.39	3.22
502-7282-3SG-300	7282-3SG-300	D	3	Socket	0.675	0.924	7.5A	4.52	4.11	3.91
502-7282-4PG-300	7282-4PG-300	C	4	Pin	0.675	0.924	5.6A	4.38	3.99	3.79
502-7282-4SG-300	7282-4SG-300	D	4	Socket	0.675	0.924	5.6A	4.62	4.20	3.99
502-7282-5PG-300	7282-5PG-300	C	5	Pin	0.675	0.924	5.6A	5.01	4.56	4.33
502-7282-5SG-300	7282-5SG-300	D	5	Socket	0.675	0.924	5.6A	6.32	5.75	5.46
502-7282-6PG-300	7282-6PG-300	C	6	Pin	0.675	0.924	5.6A	5.64	5.13	4.87
502-7282-6SG-300	7282-6SG-300	D	6	Socket	0.675	0.924	5.6A	7.18	6.53	6.20
Cable to Cable										
502-8282-2PG-3DC	8282-2PG-3DC	E	2	Pin	1.395	0.625	7.5A	5.11	4.64	4.41
502-8282-2SG-3DC	8282-2SG-3DC	F	2	Socket	1.395	0.625	7.5A	5.69	5.17	4.91
502-8282-3PG-3DC	8282-3PG-3DC	E	3	Pin	1.395	0.625	7.5A	5.83	5.30	5.04
502-8282-3SG-3DC	8282-3SG-3DC	F	3	Socket	1.395	0.625	7.5A	6.74	6.13	5.82
502-8282-4PG-3DC	8282-4PG-3DC	E	4	Pin	1.395	0.625	5.6A	6.48	5.89	5.60
502-8282-4SG-3DC	8282-4SG-3DC	F	4	Socket	1.395	0.625	5.6A	7.74	7.04	6.69
502-8282-5PG-3DC	8282-5PG-3DC	E	5	Pin	1.395	0.625	5.6A	7.14	6.49	6.16
502-8282-5SG-3DC	8282-5SG-3DC	F	5	Socket	1.395	0.625	5.6A	8.72	7.93	7.53
502-8282-6PG-3DC	8282-6PG-3DC	E	6	Pin	1.395	0.625	5.6A	7.77	7.06	6.71
502-8282-6SG-3DC	8282-6SG-3DC	F	6	Socket	1.395	0.625	5.6A	9.68	8.80	8.36

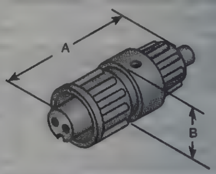
* Amperage is limited also by wire specifications.

3DC=Daisy chain grommet with 3 I.D.'s (.125, .188, .250)

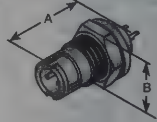
A (Mates with Fig. D and F)



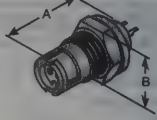
B (Mates with Fig. C and E)



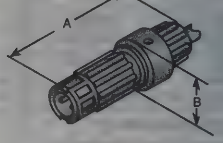
C (Mates with Fig. B)



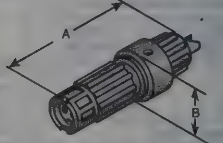
D (Mates with Fig. A)



E (Mates with Fig. B)



F (Mates with Fig. A)



CONXALL Multi-Con-X® Series

conxall®
A Switchcraft Company

FIELD INSTALLABLE CONNECTORS

Low cost Standard connectors for Industrial and Marine Applications

The all plastic connector is corrosion resistant, non-conductive and withstands substantial abuse, hostile environments, and heavy impacts that would otherwise cause metal connectors to corrode, deform or become electrically conductive and thus become unusable or unsafe.

Features:

- Solder Cup Termination
- Corrosion resistant and non-conductive connectors
- Suitable for use in hostile environments
- Coupling rings have overriding locking feature to prevent loosening or separation of connector
- RoHS compliance per Conxall documentation
- UL Recognized File # E138878-250V
- CSA Certified File # LR89277-600V

Specifications:

- Connector body & Backshell: Black Nylon
- Connector: Gold over Nickel
- Grommet: Black Santoprene Rubber
- Voltage: 600V
- Durability: Minimum 300 mate/unmate cycles w/out mechanical or electrical failure
- Temperature Rating: -55°C to +125°C (-67°F to +257°F)
- Watertight: Up to IP67/NEMA 6P

RoHS Compliant

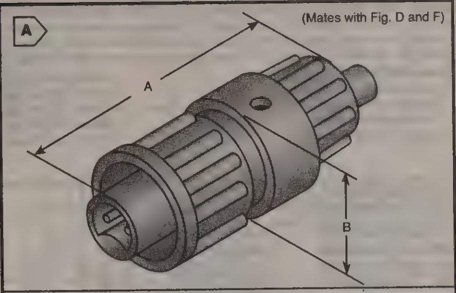
Multi-Con-X® Series

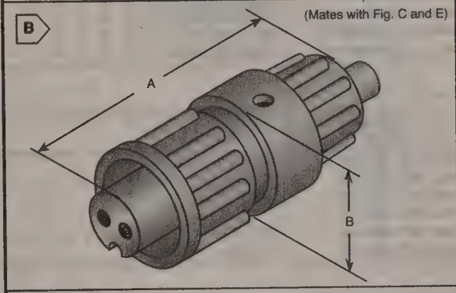
For quantities of 50 and up, call for quote.

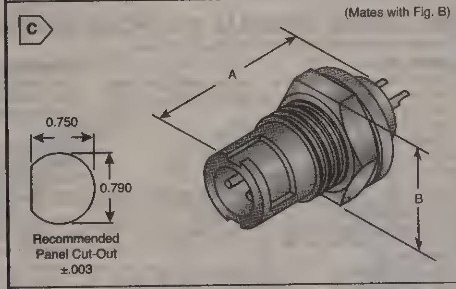
MOUSER STOCK NO.	Conxall Part No.	Fig.	No. of Contacts	Contact Type	Contact Size	AWG	Dimension (In.) A	Dimension (In.) B	Contact Rating*	Price Each 1	Price Each 10	Price Each 25
Cable End												
502-3182-2PG-3DC	3182-2PG-3DC	A	2	Pin	#12	#12-16	1.570	0.875	23A	**6.27**	**5.70**	**5.42**
502-3182-2SG-3DC	3182-2SG-3DC	B	2	Socket	#12	#12-16	1.570	0.875	23A	**7.70**	**7.00**	**6.65**
502-3182-3PG-3DC	3182-3PG-3DC	A	3	Pin	#12	#12-16	1.570	0.875	23A	**7.32**	**6.66**	**6.32**
502-3182-3SG-3DC	3182-3SG-3DC	B	3	Socket	#12	#12-16	1.570	0.875	23A	**9.19**	**8.35**	**7.94**
502-3282-4PG-3DC	3282-4PG-3DC	A	4	Pin	#20	#20-24	1.570	0.875	5.6A	**7.00**	**6.36**	**6.04**
502-3282-4SG-3DC	3282-4SG-3DC	B	4	Socket	#20	#20-24	1.570	0.875	5.6A	**8.84**	**8.03**	**7.63**
502-3282-5PG-3DC	3282-5PG-3DC	A	5	Pin	#20	#20-24	1.570	0.875	5.6A	**7.65**	**6.95**	**6.61**
502-3282-5SG-3DC	3282-5SG-3DC	B	5	Socket	#20	#20-24	1.570	0.875	5.6A	**9.82**	**8.93**	**8.48**
502-3282-6PG-3DC	3282-6PG-3DC	A	6	Pin	#20	#20-24	1.570	0.875	5.6A	**8.26**	**7.50**	**7.13**
502-3282-6SG-3DC	3182-6SG-3DC	B	6	Socket	#20	#20-24	1.570	0.875	5.6A	**10.77**	**9.79**	**9.30**
502-3282-7PG-3DC	3282-7PG-3DC	A	7	Pin	#20	#20-24	1.570	0.875	4.8A	**8.86**	**8.06**	**7.65**
502-3282-7SG-3DC	3282-7SG-3DC	B	7	Socket	#20	#20-24	1.570	0.875	4.8A	**11.73**	**10.66**	**10.13**
502-3282-8PG-3DC	3282-8PG-3DC	A	8	Pin	#20	#20-24	1.570	0.875	4.8A	**9.44**	**8.59**	**8.16**
502-3282-8SG-3DC	3282-8SG-3DC	B	8	Socket	#20	#20-24	1.570	0.875	4.8A	**12.66**	**11.51**	**10.94**
502-3282-9PG-3DC	3282-9PG-3DC	A	9	Pin	#20	#20-24	1.570	0.875	4.8A	**10.05**	**9.14**	**8.68**
502-3282-9SG-3DC	3282-9SG-3DC	B	9	Socket	#20	#20-24	1.570	0.875	4.8A	**13.57**	**12.34**	**11.72**
Panel Mount (with hex nut and flanged gasket)												
502-4182-2PG-300	4182-2PG-300	C	2	Pin	#12	#12-16	0.625	1.155	23A	**4.27**	**3.88**	**3.69**
502-4182-2SG-300	4182-2SG-300	D	2	Socket	#12	#12-16	0.625	1.155	23A	**5.15**	**4.69**	**4.45**
502-4182-3PG-300	4182-3PG-300	C	3	Pin	#12	#12-16	0.625	1.155	23A	**5.29**	**4.81**	**4.57**
502-4182-3SG-300	4182-3SG-300	D	3	Socket	#12	#12-16	0.625	1.155	23A	**6.65**	**6.04**	**5.74**
502-4282-4PG-300	4282-4PG-300	C	4	Pin	#20	#20-24	0.625	1.155	5.6A	**4.94**	**4.49**	**4.27**
502-4282-4SG-300	4282-4SG-300	D	4	Socket	#20	#20-24	0.625	1.155	5.6A	**5.92**	**5.38**	**5.12**
502-4282-5PG-300	4282-5PG-300	C	5	Pin	#20	#20-24	0.625	1.155	5.6A	**5.57**	**5.07**	**4.81**
502-4282-5SG-300	4282-5SG-300	D	5	Socket	#20	#20-24	0.625	1.155	5.6A	**6.97**	**6.34**	**6.02**
502-4282-6PG-300	4282-6PG-300	C	6	Pin	#20	#20-24	0.625	1.155	5.6A	**6.20**	**5.64**	**5.36**
502-4282-6SG-300	4282-6SG-300	D	6	Socket	#20	#20-24	0.625	1.155	5.6A	**7.67**	**6.97**	**6.63**
502-4282-7PG-300	4282-7PG-300	C	7	Pin	#20	#20-24	0.625	1.155	4.8A	**6.81**	**6.19**	**5.88**
502-4282-7SG-300	4282-7SG-300	D	7	Socket	#20	#20-24	0.625	1.155	4.8A	**8.51**	**7.74**	**7.35**
502-4282-8PG-300	4282-8PG-300	C	8	Pin	#20	#20-24	0.625	1.155	4.8A	**7.39**	**6.72**	**6.38**
502-4282-8SG-300	4282-8SG-300	D	8	Socket	#20	#20-24	0.625	1.155	4.8A	**9.51**	**8.65**	**8.22**
502-4282-9PG-300	4282-9PG-300	C	9	Pin	#20	#20-24	0.625	1.155	4.8A	**7.95**	**7.23**	**6.87**
502-4282-9SG-300	4282-9SG-300	D	9	Socket	#20	#20-24	0.625	1.155	4.8A	**10.33**	**9.39**	**8.92**
Cable to Cable												
502-5182-2PG-3DC	5182-2PG-3DC	E	2	Pin	#12	#12-16	1.650	0.766	23A	**6.20**	**5.64**	**5.36**
502-5182-2SG-3DC	5182-2SG-3DC	F	2	Socket	#12	#12-16	1.650	0.766	23A	**7.14**	**6.49**	**6.16**
502-5182-3PG-3DC	5182-3PG-3DC	E	3	Pin	#12	#12-16	1.650	0.766	23A	**7.25**	**6.59**	**6.26**
502-5182-3SG-3DC	5182-3SG-3DC	F	3	Socket	#12	#12-16	1.650	0.766	23A	**8.63**	**7.84**	**7.45**
502-5282-4PG-3DC	5282-4PG-3DC	E	4	Pin	#20	#20-24	1.650	0.766	5.6A	**6.90**	**6.28**	**5.96**
502-5282-4SG-3DC	5282-4SG-3DC	F	4	Socket	#20	#20-24	1.650	0.766	5.6A	**8.28**	**7.53**	**7.15**
502-5282-5PG-3DC	5282-5PG-3DC	E	5	Pin	#20	#20-24	1.650	0.766	5.6A	**7.56**	**6.87**	**6.53**
502-5282-5SG-3DC	5282-5SG-3DC	F	5	Socket	#20	#20-24	1.650	0.766	5.6A	**9.26**	**8.42**	**8.00**
502-5282-6PG-3DC	5282-6PG-3DC	E	6	Pin	#20	#20-24	1.650	0.766	5.6A	**8.19**	**7.44**	**7.07**
502-5282-6SG-3DC	5282-6SG-3DC	F	6	Socket	#20	#20-24	1.650	0.766	5.6A	**10.07**	**9.16**	**8.70**
502-5282-7PG-3DC	5282-7PG-3DC	E	7	Pin	#20	#20-24	1.650	0.766	4.8A	**8.63**	**7.84**	**7.45**
502-5282-7SG-3DC	5282-7SG-3DC	F	7	Socket	#20	#20-24	1.650	0.766	4.8A	**10.98**	**9.99**	**9.49**
502-5282-8PG-3DC	5282-8PG-3DC	E	8	Pin	#20	#20-24	1.650	0.766	4.8A	**9.21**	**8.37**	**7.96**
502-5282-8SG-3DC	5282-8SG-3DC	F	8	Socket	#20	#20-24	1.650	0.766	4.8A	**11.92**	**10.83**	**10.29**
502-5282-9PG-3DC	5282-9PG-3DC	E	9	Pin	#20	#20-24	1.650	0.766	4.8A	**9.79**	**8.90**	**8.46**
502-5282-9SG-3DC	5282-9SG-3DC	F	9	Socket	#20	#20-24	1.650	0.766	4.8A	**12.83**	**11.66**	**11.08**

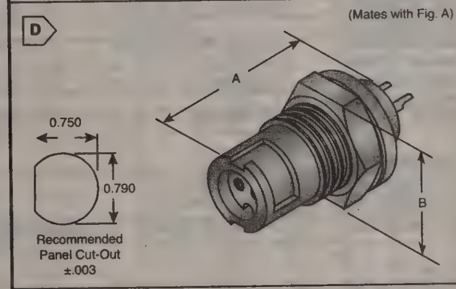
* Amperage is limited also by wire specifications.

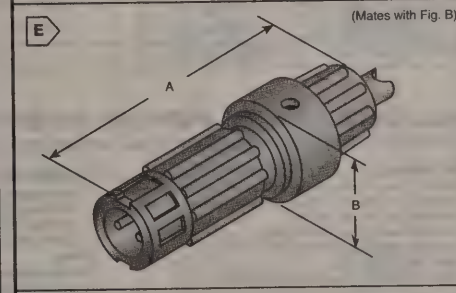
3DC=Daisy chain grommet with 3 I.D.'s (.125, .188, .250)

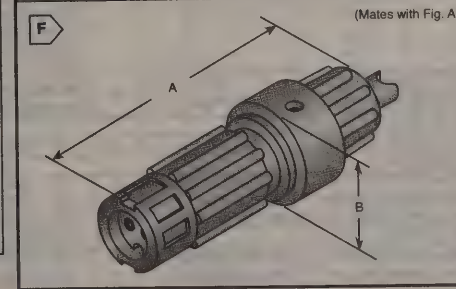












JAE Circular Connectors

RoHS Compliant **This page of product is compliant.**

JB5 SERIES GENERAL PURPOSE WATERPROOF CIRCULAR CONNECTORS

This I/O connector features a secure push-pull mating system and is suitable for use in devices such as handheld PC's, scanners, portable instruments, medical monitors, and any other device used in outdoor or splash-prone environments. Metal micro-circular connector. Waterproof seal to IP68. Series operates at speeds up to 20 Mbps (based on USB1.1)

Specifications:
- Current rating: 2A per contact
- Dielectric withstanding voltage: 200VAC for 1 minute
- Operating temperature: -55°C to +85°C
- Insulator: Glass-filled LCP
- Shell/Coupling Nut/Assembly Nut/Gland Nut: Copper/Chromium plated
- Shield Sleeve/Clamp/Spacer/Spring: Copper/Nickel plated
- Contact plating: 30µin Au over Ni
- Barrel: Zinc/Nickel plated
- RoHS Compliance per JAE documentation

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each		
					1	10	25
656-JB5CS05FM00	JB5CS05FM00	A	5	Receptacle with solder cups	22.66	20.60	18.89
656-JB5CS06FN00	JB5CS06FN00	A	6	Receptacle with solder cups	24.17	23.02	21.87
656-JB5CS08FN00	JB5CS08FN00	A	8	Receptacle with solder cups	26.64	24.22	22.20
656-JB5DS04MM11	JB5DS04MM11	B	4	Plug with solder cup terminals	28.38	27.03	25.42
656-JB5DS05MM11	JB5DS05MM11	B	5	Plug with solder cup terminals	35.00	31.82	28.23
656-JB5DS06MN11	JB5DS06MN11	B	6	Plug with solder cup terminals	31.03	29.56	27.79
656-JB5DS08MN11	JB5DS08MN11	B	8	Plug with solder cup terminals	38.20	36.53	33.58

Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Description	Price Each
656-JB5-BIT-001	JT-JB5-1	Receptacle nut wrench tool	207.90
656-WT-JB5-1-3	WT-JB5-1-3	Plug assembly jig for 3 position plug	431.72
656-WT-JB5-1-4	WT-JB5-1-4	Plug assembly jig for 4 position plug	431.72
656-WT-JB5-1-5	WT-JB5-1-5	Plug assembly jig for 5 position plug	431.72
656-WT-JB5-1-6	WT-JB5-1-6	Plug assembly jig for 6 position plug	431.72
656-WT-JB5-1-8	WT-JB5-1-8	Plug assembly jig, for 8 position plug	431.72

JN1 SERIES GENERAL PURPOSE WATERPROOF MINIATURE CONNECTORS

All plastic, waterproof to IP67. Twisting locking mechanism.

Specifications:
- Current rating: 5 amps (4 Pin) or 3 amps (10 Pin) per contact
- Dielectric withstanding voltage: 2000VAC (4 Pin) or 900VAC (10 Pin) r.m.s. for one minute
- Insulation resistance: 1000 MΩ min.
- Operating temperature: -20°C to +125°C
- Applicable wire size: # 20, # 21-25, # 26-28
- RoHS Compliance per JAE documentation

Receptacle:
- Pin Insulator: Synthetic resin
- Pin Contact: Copper alloy / Gold plating (10 pins) or Silver plating (4 Pins)

Plug:
- Front & Rear Insulator: Synthetic resin
- Spring & Spring Pin: Stainless Steel
- Socket Contact: Copper alloy / Gold plating (10 pins) or Silver plating (4 Pins)

RoHS Compliant

*Right angle plug can be mated in 4 different directions by rotating the connector 90 degrees.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Contacts	Contact Size	Description	Price Each		
						1	10	25
Panel Mount								
656-JN1AS04MK1	JN1AS04MK1	C	4	20 AWG	Pin with Solder	4.90	4.45	4.08
656-JN1AS10UL1	JN1AS10UL1	C	10	22 AWG	Through Hole Pin	3.41	3.10	2.84
Straight Plug								
656-JN1DS04FK1	JN1DS04FK1	D	4	20 AWG	Socket with Soldering	10.36	9.42	8.64
656-JN1DS10SL1	JN1DS10SL1	D	10	22 AWG	Crimp Socket	10.08	9.16	8.40
656-JN1DS10SL2	JN1DS10SL2	D	10	22 AWG	Crimp Socket	10.08	9.16	8.40
Right Angle Plug ∗								
656-JN1FS10SL2	JN1FS10SL2	E	10	22 AWG	R/A Plug, 6.5mm to 8.0mm dia.	10.08	9.16	8.40

Contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Description	Price Each		
			1	100	500
656-JN1-22-22S	JN1-22-22S-10000	Socket Contact type #22 for Wire sizes 21-25 AWG	.19	.18	.17

Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Description	Price Each
656-CT150-2-JN1-B	CT150-2-JN1-B	Hand Crimp Tool	1125.42

JN2 SERIES GENERAL PURPOSE WATERPROOF MINIATURE CONNECTORS

Similar to our JN1 series except that the outer shell has been reinforced with a zinc alloy for extra ruggedness. This connector meets IP67 waterproof rating.

Specifications:
- Current rating: 5 amps (4 Pin) or 3 amps (10 Pin) per contact
- Dielectric withstanding voltage: 2000VAC (4 Pin) or 900VAC (10 Pin) r.m.s. for one minute
- Insulation resistance: 1000 MΩ min.
- Operating temperature: -20°C to +100°C
- Uses the JN1 contact
- RoHS Compliance per JAE documentation

Receptacle:
- Pin Insulator: Synthetic resin
- Pin Contact: Copper alloy / Gold plating (10 pins) or Silver plating (4 Pins)
- Shell: Zinc spelter die-cast/Zinc plating

Plug:
- Front & Rear Insulator: Synthetic resin
- Spring: Stainless Steel
- Spring Pin: Synthetic resin
- Socket Contact: Copper alloy / Gold plating (10 pins) or Silver plating (4 Pins)

RoHS Compliant

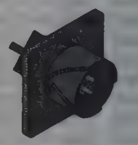
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Contacts	Contact Size	Description	Price Each		
						1	10	25
Panel Mount								
656-JN2AS10UL1-R	JN2AS10UL1-R	C	10	22 AWG	Through-hole pin	7.61	7.11	6.92
Straight Plug								
656-JN2DS04FK1-R	JN2DS04FK1-R	D	4	20 AWG	Socket with soldering	15.26	14.21	13.87
656-JN2DS10SL1-R	JN2DS10SL1-R	D	10	22 AWG	Crimp Socket	15.10	14.06	13.72
656-JN2DS10SL2-R	JN2DS10SL2-R	D	10	22 AWG	Crimp Socket	15.10	14.06	13.72
Angle Plug								
656-JN2FS10SL1-R	JN2FS10SL1-R	E	10	22 AWG	Crimp Socket	12.33	11.75	11.04
656-JN2FS10SL2-R	JN2FS10SL2-R	E	10	22 AWG	Crimp Socket	15.10	14.06	13.72

A

B

C



D

E

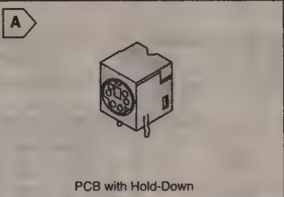
Mini-DIN and DIN Connectors

Tyco Electronics Authorized Distributor

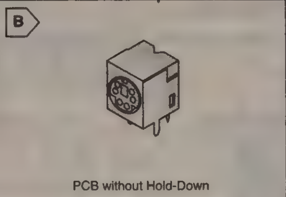
AMP MINI-DIN CONNECTORS SHIELDED

Features:
- Choice of plating
- Compact size
- Choice of 4, 5, 6, or 8 pin
- Integral one piece shield
- Free hanging not available

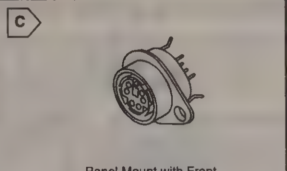
Specifications:
- Housing: UL94V-0 thermoplastic
- Contacts: phosphor bronze plated with:
  a.) gold flash nickel underplate
  b.) 30μ" nickel underplate
  c.) 15μ" nickel underplate
- Recommended PC board thickness: .062"



PCB with Hold-Down

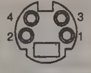


PCB without Hold-Down

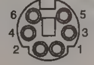


Panel Mount with Front Panel Screw Hold-Down

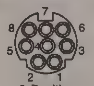
RoHS Compliant



4-Position



6-Position



8-Position

Right Angle, PCB, Thru-Hole

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Plating	Price Each		
					1	10	100
571-5749181-1	5749181-1	A	4	30μ"	1.37	1.30	1.17
571-57492311	5749231-1	A	6	Gold flash	1.94	1.74	1.65
571-5749180-1	5749180-1	A	6	30μ"	2.03	1.89	1.76
*571-57492651	5749265-1	B	6	Gold flash	1.91	1.82	1.63
571-55749232-1	5749232-1	A	8	Gold flash	1.92	1.73	1.63
*571-57492681	5749268-1	B	8	Gold flash	1.80	1.62	1.53

* without hold-down

Vertical, Panel Mount, Thru-Hole

For quantities of 500 and up, call for quote.

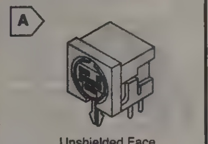
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Plating	Price Each		
					1	10	100
*571-5750131-2	5750131-2	C	6	30μ"	2.93	2.64	2.49
*571-57503401	5750340-1	C	8	15μ"	5.84	5.26	4.96
*571-5750340-2	5750340-2	C	8	30μ"	5.58	5.02	4.74

* with front panel screw hold-down

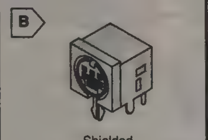
KOBICONN MINI-DIN CONNECTORS SHIELDED / UNSHIELDED

Features:
- Compact miniature design
- Ideal for I/O connector applications
- Versatile right angle PCB mounting
- Available 3-9 contact positions

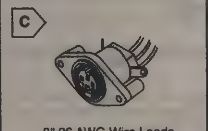
Specifications:
- Voltage rating: 100VAC
- Current rating: 1A
- Insulation resistance: 50MΩ
- Breakdown voltage: 250VAC
- Contact resistance: 30mΩ



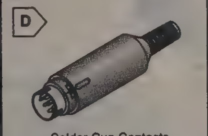
Unshielded Face



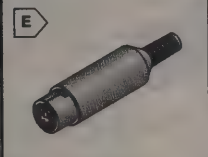
Shielded



8" 26 AWG Wire Leads



Solder Cup Contacts



PCB Unshielded Receptacles

MOUSER STOCK NO.	Fig.	Contact Positions	Price Each			
			1	10	100	500
161-2203	A	3 pin	.99	.82	.75	.68
161-2204	A	4 pin	.99	.82	.75	.68
161-2205	A	5 pin	.84	.73	.56	.45
161-2206	A	6 pin	1.05	.87	.79	.72
161-2208	A	8 pin	1.15	.85	.86	.78

PCB Shielded Receptacles

161-2303	B	3 pin	1.10	.92	.83	.76
161-2304	B	4 pin	1.10	.92	.83	.76
161-2305	B	5 pin	1.04	.90	.70	.55
161-2306	B	6 pin	1.16	.92	.88	.80
161-2308	B	8 pin	1.32	1.13	.92	.84

Panel Mount Unshielded Receptacles

161-2103	C	3 pin	1.90	1.58	1.44	1.31
161-2104	C	4 pin	1.94	1.62	1.47	1.34
161-2105	C	5 pin	2.07	1.59	1.45	1.32
161-2106	C	6 pin	2.00	1.66	1.51	1.38
161-2108	C	8 pin	2.06	1.71	1.56	1.42

Plugs

- Solder cup
- 6 piece assembly

MOUSER STOCK NO.	Fig.	Contact Positions	Price Each			
			1	10	100	500
171-2603	D	3 pin	1.01	.87	.68	.61
171-2604	D	4 pin	1.02	.88	.69	.62
171-2605	D	5 pin	1.08	.94	.73	.67
171-2606	D	6 pin	1.12	.97	.76	.69
171-2608	D	8 pin	1.27	1.11	.86	.78
171-2609	D	9 pin	1.57	1.35	1.19	1.08

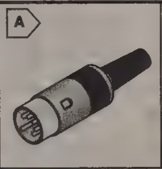
Receptacles

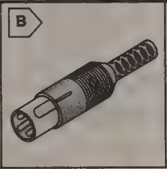
161-2603	E	3 pin	1.08	.94	.73	.67
161-2604	E	4 pin	1.12	.97	.76	.69
161-2605	E	5 pin	1.17	1.02	.79	.72
161-2606	E	6 pin	1.20	1.05	.82	.74
161-2608	E	8 pin	1.29	1.12	.88	.80
161-2609	E	9 pin	1.58	1.38	1.07	.98

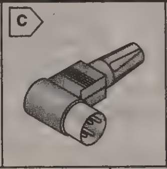
Panel Mount Mini-DIN Receptacles

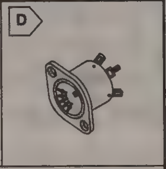
161-381/3-E	F	3 pin	1.78	1.62	1.35	1.04
161-381/4-E	F	4 pin	1.56	1.42	1.18	.91
161-381/5-E	F	5 pin	1.65	1.50	1.25	.96
161-381/6-E	F	6 pin	1.77	1.61	1.34	1.03
161-381-8-E	F	8 pin	1.99	1.81	1.51	1.16

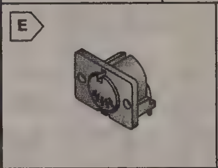
KOBICONN DIN CONNECTORS

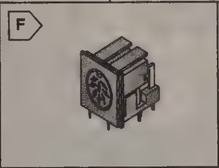


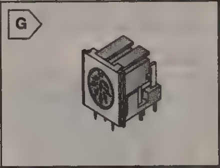












DIN Plugs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Degrees of Arc	Color	Price Each			
					1	10	100	500
171-0275	A	5 pin with strain relief	180°	Black	.65	.44	.40	.36
171-0276	A	6 pin with strain relief	240°	Black	.66	.51	.46	.42
171-0278	A	8 pin with strain relief	270°	Black	.74	.58	.52	.47
171-0288	A	8 pin with strain relief	270°	Gray	.74	.58	.52	.47
17DN100-EX	B	5 pin with strain relief	180°	Gray	1.12	.94	.85	.77
17DN101-EX	B	5 pin with strain relief	180°	Black	1.12	.94	.85	.77
17PP048-EX	B	6 pin with strain relief	240°	Gray	1.33	1.11	1.01	.93

Right Angle DIN Plugs

For quantities of 1000 and up, call for quote.

171-1051-EX	C	5 pin with strain relief	180°	Gray	1.23	1.03	.94	.85
171-1080-EX	C	8 pin with strain relief	270°	Black	1.50	1.26	1.12	1.02

DIN Receptacles

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Degrees of Arc	Color	Price Each			
					1	10	100	500
161-0003	D	3 pin metal body	180°	- - -	.82	.63	.57	.52
161-0005	D	5 pin metal body	180°	- - -	.82	.63	.57	.52
161-0006	D	6 pin metal body	240°	- - -	1.08	.83	.75	.69
16PJ102-E	D	3 pin metal body	180°	- - -	1.03	.79	.72	.65
16DN100	D	5 pin metal body	180°	- - -	1.05	.81	.73	.66
16PJ224-E	D	6 pin metal body	240°	- - -	1.20	.92	.84	.76

PCB DIN Receptacles

* Mates with 3 or 5 pins

For quantities of 1000 and up, call for quote.

* 161-0504	F	5 pin unshielded	180°	- - -	.96	.80	.62	.56
* 161-0505	G	5 pin shielded	180°	- - -	1.10	.92	.75	.69
161-0507	F	8 pin unshielded	270°	- - -	1.58	1.21	1.10	1.00
161-0508	G	8 pin shielded	270°	- - -	1.65	1.27	1.15	1.05

KYCON Mini-DIN Connectors

RoHS Compliant This page of product is compliant.

RIGHT ANGLE PCB RECEPTACLES

- Fully Shielded for good conductivity, grounding, and EMI/RFI protection
- Mates with standard and snap and lock plugs
- Body Material: PBT Thermoplastic, UL94V-0 rated
- Contact Material: Phosphor Bronze, Gold plated
- RoHS Compliance per Kycon Documentation
- Shield Material: Brass, Tin Plated
- Solder Tails: Tin Plated Over Nickel
- Operating Temperature: -25°C to +85°C

RoHS Compliant

KMDG Series ✱ Meets PC99 specifications Pan = Pantone **For quantities of 1000 and up, call for quote.**

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each			
					1	25	100	500
806-KMDGX-3S-BS	KMDGX-3S-BS	A	3	Black	.95	.92	.67	.54
806-KMDGX-4S-BS	KMDGX-4S-BS	A	4	Black	.95	.92	.67	.54
✱806-KMDGX-4S-BS-99	KMDGX-4S-BS-99	A	4	Pan 123C Yellow	1.23	1.19	.87	.70
806-KMDGX-5S-BS	KMDGX-5S-BS	A	5	Black	1.18	1.14	.83	.67
806-KMDGX-6S-BS	KMDGX-6S-BS	A	6	Black	.93	.91	.67	.49
✱806-KMDGX-6S-BS2715C	KMDGX-6S-BS2715C	A	6	Pan 2715C Purple	1.13	1.10	.81	.64
✱806-KMDGX-6S-BS3395C	KMDGX-6S-BS3395C	A	6	Pan 3395C Green	1.04	.99	.88	.70
806-KMDGX-7S-BS	KMDGX-7S-BS	A	7	Black	1.28	1.25	.92	.73
806-KMDGX-8S-BS	KMDGX-8S-BS	A	8	Black	1.20	1.17	.86	.68
806-KMDGX-9S-BS	KMDGX-9S-BS	A	9	Black	1.28	1.25	.92	.73
With GEO S-Video Port								
806-KMDGX-GEO-7SBS	KMDGX-GEO-7S-BS	A	7	Black	1.32	1.27	.99	.79

RIGHT ANGLE FERRITE FILTERED PCB RECEPTACLES

- Fully Shielded for good conductivity, grounding, and EMI/RFI protection
- Mates with standard and snap and lock plugs
- Body Material: PBT Thermoplastic, UL94V-0 rated
- Contact Material: Phosphor Bronze, Gold plated
- RoHS Compliance per Kycon Documentation
- Shield Material: Brass, Tin Plated
- Solder Tails: Tin Plated Over Nickel
- Operating Temperature: -25°C to +85°C

RoHS Compliant

KFMDG Series **For quantities of 1000 and up, call for quote.**

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each			
					1	25	100	500
806-KFMDGX-3S-BS	KFMDGX-3S-BS	A	3	Black	2.07	1.91	1.40	1.18
806-KFMDGX-4S-BS	KFMDGX-4S-BS	A	4	Black	2.34	2.16	1.58	1.34
806-KFMDGX-5S-BS	KFMDGX-5S-BS	A	5	Black	2.14	1.97	1.44	1.22
806-KFMDGX-6S-BS	KFMDGX-6S-BS	A	6	Black	2.42	2.23	1.63	1.38
806-KFMDGX-8S-BS	KFMDGX-8S-BS	A	8	Black	2.46	2.27	1.66	1.40

RIGHT ANGLE STACKED PCB RECEPTACLES

- Fully Shielded for good conductivity, grounding, and EMI/RFI protection
- Mates with standard and snap and lock plugs
- Body Material: PBT Thermoplastic, UL94V-0 rated
- Contact Material: Phosphor Bronze, Gold plated
- RoHS Compliance per Kycon Documentation
- Shield Material: Brass, Tin Plated
- Solder Tails: Tin Plated Over Nickel
- Operating Temperature: -25°C to +85°C

RoHS Compliant

KMDG Series ✱ Meets PC99 Specifications Pan = Pantone **For quantities of 1000 and up, call for quote.**

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each			
					1	25	100	500
806-KMDGX-4S/4S-S4N	KMDGX-4S/4S-S4N	B	4 over 4	Black	1.99	1.92	1.40	1.12
806-KMDGX-6S/6S-S4N	KMDGX-6S/6S-S4N	B	6 over 6	Black	1.89	1.84	1.35	1.08
✱806-KMDGX-6SGP-S4N	KMDGX-6SG/P-S4N	B	6 over 6	Pan 3395C Green over Pan 2715C Purple	2.12	2.07	1.38	1.00

RIGHT ANGLE ROUNDED LOW PROFILE PCB RECEPTACLES

- Contacts: Phosphor Bronze
  Gold Flash on contacts
  Tin on termination
- Body: PBT Thermoplastic, UL94V-0 rated
- Shield: SPCC, Tin plated
- Operating Temperature: -25°C to +85°C
- RoHS Compliance per Kycon Documentation

RoHS Compliant

KMDR Series **For quantities of 1000 and up, call for quote.**

MOUSER STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each			
					1	25	100	500
806-KMDRX-4S-BS	KMDRX-4S-BS	C	4	Black	1.34	1.29	.94	.77
806-KMDRX-6S-BS	KMDRX-6S-BS	C	6	Black	1.42	1.37	1.00	.81
With GEO S-Video Port								
806-KMDRX-GEO-7SBS	KMDRX-GEO-7S-BS	C	7	Black	1.52	1.46	1.07	.87
806-KMDRX-GEO-9SBS	KMDRX-GEO-9S-BS	C	9	Black	1.61	1.55	1.13	.92

CABLE MOUNT PLUGS

- Insert Material: PBT Thermoplastic, UL94V-0 rated
- Shell Material: PVC, UL94V-0 rated
- Contact Material: Brass, Silver plated
- Shield Material: Nickel plated Iron sheet
- Durability: 1500 Cycles
- Operating Temperature: -25°C to +80°C
- RoHS Compliance per Kycon Documentation

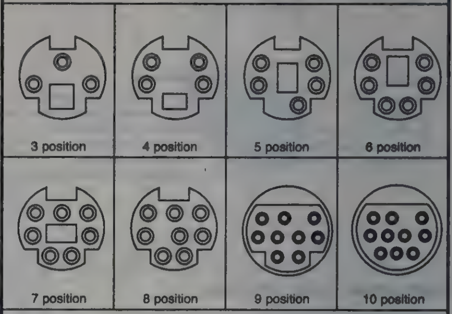
✱ 30μ" Gold Plated

RoHS Compliant

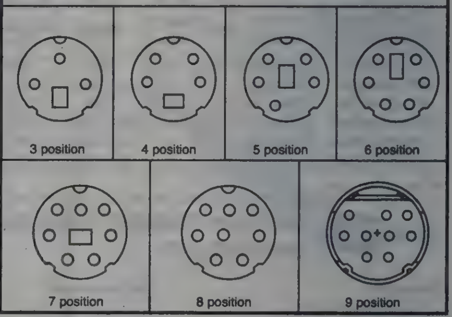
KMDA and KMDLA Series **For quantities of 1000 and up, call for quote.**

MOUSER RoHS COMPLIANT STOCK NO.	Kycon Part No.	Fig.	Pin Count	Color	Price Each			
					1	25	100	500
806-KMDAX-3P	KMDAX-3P	D	3	Black	1.25	1.19	.87	.74
806-KMDAX-4P	KMDAX-4P	D	4	Black	1.24	1.10	.98	.83
806-KMDAX-5P	KMDAX-5P	D	5	Black	1.54	1.49	1.09	.92
806-KMDAX-6P	KMDAX-6P	D	6	Black	1.69	1.56	1.14	.97
806-KMDAX-7P	KMDAX-7P	D	7	Black	1.71	1.64	1.20	1.01
806-KMDAX-8P	KMDAX-8P	D	8	Black	1.79	1.71	1.25	1.06
✱ 806-KMDAX-9P	KMDAX-9P	D	9	Black	2.49	2.31	1.69	1.43
Snap and Lock								
806-KMDLAX-3P	KMDLAX-3P	E	3	Black	3.24	3.11	2.28	1.85
806-KMDLAX-4P	KMDLAX-4P	E	4	Black	3.42	3.28	2.40	1.95
806-KMDLAX-5P	KMDLAX-5P	E	5	Black	3.59	3.44	2.52	2.05
806-KMDLAX-6P	KMDLAX-6P	E	6	Black	3.76	3.60	2.64	2.15
806-KMDLAX-7P	KMDLAX-7P	E	7	Black	3.93	3.77	2.76	2.24
806-KMDLAX-8P	KMDLAX-8P	E	8	Black	4.10	3.93	2.88	2.34

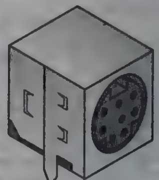
RECEPTACLE CONTACT ARRANGEMENTS



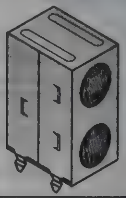
PLUG CONTACT ARRANGEMENTS



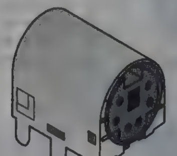
A



B

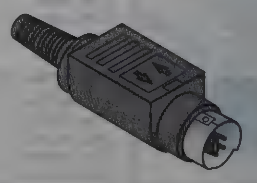


C



D

E



LEMO Push-Pull Connectors

RoHS Compliant **This page of product is compliant.**

B-SERIES CONNECTORS

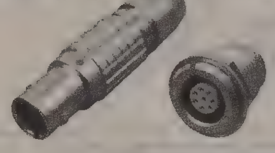
An extensive line of high quality mechanically keyed, general-purpose connectors with up to 1,400 insert configurations including multi-contact electrical, fiber optic, and various others.

Specifications:

- Multi-contact types from 2 to 64 contacts
- IP Rating 50
- Temperature range -55 to +250 deg C
- Shielding > 75 dB @ 10 MHz and > 40 dB @ 1 GHz

Features:

- Most widely accepted series by many industries
- Multiple keyways prevent accidental cross mating
- Reverse-sex configurations enhance safety in scenarios where the cable provides power



- RoHS compliant per LEMO documentation.
- Male Solder and Crimp connectors ending with a 'Z' require a collet. Collets ordered separately.

Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Shell Size	No. of Contacts	Price Each 1	10	25	50
Male Solder							
736-FGG00302CLAD27	FGG.00.302.CLAD27	00	2	26.45	24.37	23.02	21.81
736-FGG00304CLAD35	FGG.00.304.CLAD35	00	4	30.30	27.92	26.37	24.98
736-FGG0B302CLAZ	FGG.0B.302.CLAZ	0	2	19.26	17.75	16.76	15.88
736-FGG0B303CLAZ	FGG.0B.303.CLAZ	0	3	19.91	18.35	17.33	16.42
736-FGG0B304CLAZ	FGG.0B.304.CLAZ	0	4	21.11	19.45	18.37	17.40
736-FGG0B305CLAZ	FGG.0B.305.CLAZ	0	5	21.34	19.67	18.57	17.60
736-FGG0B307CLAZ	FGG.0B.307.CLAZ	0	7	23.74	21.88	20.67	19.58
736-FGG0B309CLAZ	FGG.0B.309.CLAZ	0	9	27.53	25.37	23.96	22.70
736-FGG1B302CLAZ	FGG.1B.302.CLAZ	1	2	24.23	22.33	21.09	19.98
736-FGG1B303CLAZ	FGG.1B.303.CLAZ	1	3	24.98	23.02	21.74	20.60
736-FGG1B304CLAZ	FGG.1B.304.CLAZ	1	4	26.04	24.00	22.67	21.47
736-FGG1B305CLAZ	FGG.1B.305.CLAZ	1	5	26.74	24.65	23.28	22.05
736-FGG1B306CLAZ	FGG.1B.306.CLAZ	1	6	27.81	25.63	24.20	22.93
736-FGG1B307CLAZ	FGG.1B.307.CLAZ	1	7	29.34	27.04	25.54	24.19
736-FGG1B308CLAZ	FGG.1B.308.CLAZ	1	8	31.53	29.06	27.44	26.00
736-FGG1B310CLAZ	FGG.1B.310.CLAZ	1	10	37.36	34.43	32.52	30.81
736-FGG1B314CLAZ	FGG.1B.314.CLAZ	1	14	47.87	44.12	41.67	39.47
736-FGG2B302CLAZ	FGG.2B.302.CLAZ	2	2	35.72	32.92	31.09	29.46
736-FGG2B304CLAZ	FGG.2B.304.CLAZ	2	4	38.62	35.59	33.61	31.84
736-FGG2B306CLAZ	FGG.2B.306.CLAZ	2	6	41.62	38.35	36.22	34.32
736-FGG2B308CLAZ	FGG.2B.308.CLAZ	2	8	45.57	42.00	39.67	37.58
736-FGG2B310CLAZ	FGG.2B.310.CLAZ	2	10	48.77	44.94	42.44	40.21
736-FGG2B312CLAZ	FGG.2B.312.CLAZ	2	12	52.62	48.49	45.80	43.39
736-FGG2B316CLAZ	FGG.2B.316.CLAZ	2	16	63.15	58.20	54.96	52.07
736-FGG2B319CLAZ	FGG.2B.319.CLAZ	2	19	68.72	63.33	59.81	56.67
Male Crimp							
736-FGG0B302CYCZ	FGG.0B.302.CYCZ	0	2	19.96	18.39	17.37	16.46
736-FGG0B303CYCZ	FGG.0B.303.CYCZ	0	3	21.04	19.39	18.31	17.35
736-FGG0B304CYCZ	FGG.0B.304.CYCZ	0	4	22.74	20.96	19.80	18.75
736-FGG0B305CYCZ	FGG.0B.305.CYCZ	0	5	22.96	21.16	19.98	18.93
736-FGG1B302CYCZ	FGG.1B.302.CYCZ	1	2	25.68	23.67	22.35	21.18
736-FGG1B303CYCZ	FGG.1B.303.CYCZ	1	3	26.77	24.67	23.30	22.07
736-FGG1B304CYCZ	FGG.1B.304.CYCZ	1	4	28.45	26.22	24.76	23.46
736-FGG1B305CYCZ	FGG.1B.305.CYCZ	1	5	29.89	27.55	26.02	24.65
736-FGG1B306CYCZ	FGG.1B.306.CYCZ	1	6	31.21	28.76	27.17	25.74
736-FGG1B307CYCZ	FGG.1B.307.CYCZ	1	7	34.19	31.51	29.76	28.19
736-FGG1B308CYCZ	FGG.1B.308.CYCZ	1	8	37.11	34.20	32.30	30.60
736-FGG2B305CYCZ	FGG.2B.305.CYCZ	2	5	43.32	39.92	37.70	35.72
736-FGG2B307CYCZ	FGG.2B.307.CYCZ	2	7	48.64	44.82	42.33	40.11
736-FGG2B310CYCZ	FGG.2B.310.CYCZ	2	10	54.94	50.63	47.81	45.30
736-FGG2B312CYCZ	FGG.2B.312.CYCZ	2	12	59.36	54.71	51.67	48.95

Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Shell Size	No. of Contacts	Price Each 1	10	25	50
Female Solder							
736-EGG00302CLL	EGG.00.302.CLL	00	2	13.11	12.08	11.41	10.81
736-EGG00304CLL	EGG.00.304.CLL	00	4	21.49	19.80	18.70	17.72
736-EGG0B302CLL	EGG.0B.302.CLL	0	2	16.02	14.76	13.94	13.21
736-EGG0B303CLL	EGG.0B.303.CLL	0	3	16.51	15.22	14.37	13.61
736-EGG0B304CLL	EGG.0B.304.CLL	0	4	17.64	16.25	15.35	14.54
736-EGG0B305CLL	EGG.0B.305.CLL	0	5	18.89	17.41	16.44	15.58
736-EGG0B307CLL	EGG.0B.307.CLL	0	7	22.74	20.96	19.80	18.75
736-EGG0B309CLL	EGG.0B.309.CLL	0	9	24.43	22.51	21.26	20.14
736-EGG1B302CLL	EGG.1B.302.CLL	1	2	22.13	20.39	19.26	18.25
736-EGG1B303CLL	EGG.1B.303.CLL	1	3	23.09	21.27	20.09	19.04
736-EGG1B304CLL	EGG.1B.304.CLL	1	4	24.62	22.69	21.43	20.30
736-EGG1B305CLL	EGG.1B.305.CLL	1	5	27.45	25.29	23.89	22.63
736-EGG1B306CLL	EGG.1B.306.CLL	1	6	27.77	25.59	24.17	22.89
736-EGG1B307CLL	EGG.1B.307.CLL	1	7	29.21	26.92	25.43	24.09
736-EGG1B308CLL	EGG.1B.308.CLL	1	8	31.00	28.57	26.98	25.56
736-EGG1B310CLL	EGG.1B.310.CLL	1	10	39.96	36.82	34.78	32.95
736-EGG1B314CLL	EGG.1B.314.CLL	1	14	49.57	45.69	43.15	40.88
736-EGG2B302CLL	EGG.2B.302.CLL	2	2	29.81	27.47	25.94	24.58
736-EGG2B304CLL	EGG.2B.304.CLL	2	4	33.23	30.63	28.93	27.40
736-EGG2B306CLL	EGG.2B.306.CLL	2	6	38.57	35.55	33.57	31.81
736-EGG2B308CLL	EGG.2B.308.CLL	2	8	44.91	41.39	39.09	37.04
736-EGG2B310CLL	EGG.2B.310.CLL	2	10	46.15	42.53	40.17	38.05
736-EGG2B312CLL	EGG.2B.312.CLL	2	12	49.89	45.98	43.43	41.14
736-EGG2B316CLL	EGG.2B.316.CLL	2	16	60.98	56.20	53.07	50.28
736-EGG2B319CLL	EGG.2B.319.CLL	2	19	68.06	62.73	59.24	56.12
Female Crimp							
736-EGG0B302CYM	EGG.0B.302.CYM	0	2	17.64	16.25	15.35	14.54
736-EGG0B303CYM	EGG.0B.303.CYM	0	3	18.09	16.67	15.74	14.91
736-EGG0B304CYM	EGG.0B.304.CYM	0	4	18.89	17.41	16.44	15.58
736-EGG0B305CYM	EGG.0B.305.CYM	0	5	20.79	19.16	18.09	17.14
736-EGG1B302CYM	EGG.1B.302.CYM	1	2	23.79	21.92	20.70	19.61
736-EGG1B303CYM	EGG.1B.303.CYM	1	3	26.96	24.84	23.46	22.23
736-EGG1B304CYM	EGG.1B.304.CYM	1	4	26.89	24.78	23.41	22.18
736-EGG1B305CYM	EGG.1B.305.CYM	1	5	30.38	28.00	26.44	25.05
736-EGG1B306CYM	EGG.1B.306.CYM	1	6	32.15	29.63	27.98	26.51
736-EGG1B307CYM	EGG.1B.307.CYM	1	7	34.04	31.37	29.63	28.07
736-EGG1B308CYM	EGG.1B.308.CYM	1	8	34.68	31.96	30.19	28.60
736-EGG2B305CYM	EGG.2B.305.CYM	2	5	41.74	38.47	36.33	34.42
736-EGG2B307CYM	EGG.2B.307.CYM	2	7	46.81	43.14	40.74	38.60
736-EGG2B310CYM	EGG.2B.310.CYM	2	10	52.57	48.45	45.76	43.35
736-EGG2B312CYM	EGG.2B.312.CYM	2	12	60.60	55.84	52.74	49.96

B-SERIES HARDWARE

Collets are required for all male solder and crimp connectors.
Chose the cable diameter being used under the appropriate shell size.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Shell Size	Price Each 1	10	25	50
Collet Nuts						
736-FFM00130LC	FFM.00.130.LC	00	1.79	1.65	1.56	1.47
736-FFM0B130LC	FFM.0B.130.LC	0	2.85	2.63	2.48	2.35
736-FFM1B130LC	FFM.1B.130.LC	1	3.85	3.55	3.35	3.18
736-FFM2B130LC	FFM.2B.130.LC	2	4.83	4.45	4.20	3.98

Collets

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Cable Diameter (mm)	Price Each 1	10	25	50
Collets for Shell Size 0						
736-FGG0B721DN	FGG.0B.721.DN	1.5 to 2.0	1.98	1.82	1.72	1.63
736-FGG0B725DN	FGG.0B.725.DN	2.1 to 2.5	1.98	1.82	1.72	1.63
736-FGG0B731DN	FGG.0B.731.DN	2.1 to 3.0	1.98	1.82	1.72	1.63
736-FGG0B735DN	FGG.0B.735.DN	3.0 to 3.5	1.98	1.82	1.72	1.63
736-FGG0B742DN	FGG.0B.742.DN	3.1 to 4.0	1.98	1.82	1.72	1.63
736-FGG0B752DN	FGG.0B.752.DN	4.1 to 5.0	1.98	1.82	1.72	1.63
Collets for Shell Size 1						
736-FGG1B742DN	FGG.1B.742.DN	3.1 to 4.0	2.96	2.73	2.57	2.44
736-FGG1B752DN	FGG.1B.752.DN	4.1 to 5.0	2.96	2.73	2.57	2.44
736-FGG1B762DN	FGG.1B.762.DN	5.1 to 6.0	2.96	2.73	2.57	2.44
736-FGG1B772DN	FGG.1B.772.DN	6.1 to 7.0	2.96	2.73	2.57	2.44
Collets for Shell Size 2						
736-FGG2B752DN	FGG.2B.752.DN	4.1 to 5.0	5.74	5.29	5.00	4.74
736-FGG2B762DN	FGG.2B.762.DN	5.1 to 6.0	5.74	5.29	5.00	4.74
736-FGG2B772DN	FGG.2B.772.DN	6.1 to 7.0	5.74	5.29	5.00	4.74
736-FGG2B782DN	FGG.2B.782.DN	7.1 to 8.0	5.74	5.29	5.00	4.74
736-FGG2B792DN	FGG.2B.792.DN	8.1 to 9.0	5.74	5.29	5.00	4.74

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Cable Diameter (mm)	Price Each 1	10	25	50
Bend Relief Boots for Shell Size 00						
736-GMD00025DN	GMD.00.025.DN	2.5 to 2.8	1.13	1.04	.98	.93
736-GMD00028DN	GMD.00.028.DN	2.8 to 3.1	1.13	1.04	.98	.93
736-GMD00032DN	GMD.00.032.DN	3.2 to 3.5	1.13	1.04	.98	.93
Bend Relief Boots for Shell Size 0						
736-GMA0B030DN	GMA.0B.030.DN	3.0 to 3.4	2.51	2.31	2.19	2.07
736-GMA0B035DN	GMA.0B.035.DN	3.5 to 3.9	2.51	2.31	2.19	2.07
736-GMA0B040DN	GMA.0B.040.DN	4.0 to 4.4	2.51	2.31	2.19	2.07
736-GMA0B045DN	GMA.0B.045.DN	4.5 to 5.2	2.51	2.31	2.19	2.07
Bend Relief Boots for Shell Size 1						
736-GMA1B025DN	GMA.1B.025.DN	2.5 to 2.9	3.15	2.90	2.74	2.60
736-GMA1B035DN	GMA.1B.035.DN	3.5 to 3.9	3.15	2.90	2.74	2.60
736-GMA1B045DN	GMA.1B.045.DN	4.0 to 4.4	3.15	2.90	2.74	2.60
736-GMA1B065DN	GMA.1B.065.DN	6.5 to 7.0	3.15	2.90	2.74	2.60
Bend Relief Boots for Shell Size 2						
736-GMA2B050DN	GMA.2B.050.DN	5.0 to 5.5	3.85	3.55	3.35	3.18
736-GMA2B060DN	GMA.2B.060.DN	6.0 to 6.5	3.85	3.55	3.35	3.18
736-GMA2B070DN	GMA.2B.070.DN	7.0 to 7.7	3.85	3.55	3.35	3.18
736-GMA2B080DN	GMA.2B.080.DN	7.8 to 8.8	3.85	3.55	3.35	3.18

LEMO Push-Pull Connectors

RoHS Compliant **This page of product is compliant.**

K-SERIES CONNECTORS - ENVIRONMENTALLY SEALED

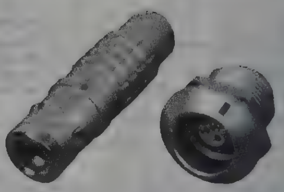
Environmentally sealed version of the B Series. With an IP 66 to 68 rating, these connectors handle the outdoors, wash-downs, and autoclaving.

Specifications:

- IP 66 rating when mated to the appropriate cable
- Multi-contact types from 2 to 64 contacts

Features:

- Multiple key options to avoid cross mating of similar connections
- Rugged housing for extreme working conditions
- Security of the push-pull latching system
- RoHS compliant per LEMO documentation



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	No. of Contacts	Shell Size	Description	Price Each 1	10	25	50
Male Plugs								
736-FGG0K304CLAC35	FGG.0K.304.CLAC35	4	0	Solder collet for 3.1mm to 3.5mm	31.06	29.42	27.49	26.20
736-FGG1K304CLAC40	FGG.1K.304.CLAC40	4	1	Solder collet for 3.6mm to 4.0mm	36.59	34.67	32.39	30.88
736-FGG1K308CLAC60	FGG.1K.308.CLAC60	8	1	Solder collet for 5.6mm to 6.0mm	42.50	40.26	37.62	35.86
Female Receptacles								
736-EGG0K304CLL	EGG.0K.304.CLL	4	0	Front mount solder	24.50	23.21	21.69	20.67
736-EGG1K304CLL	EGG.1K.304.CLL	4	1	Front mount solder	31.22	29.58	27.64	26.34
736-EGG1K308CLL	EGG.1K.308.CLL	8	1	Front mount solder	37.37	35.40	33.08	31.53

TOOLS FOR B-SERIES AND K-SERIES

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each
Male Postioners			
736-DCE91070BVC	DCE.91.070.BVC	0B and 0K 0.7mm crimp contacts	79.15
736-DCE91090BVC	DCE.91.090.BVC	0B and 0K 0.9mm crimp contacts	79.15
736-DCE91071BVC	DCE.91.071.BVC	1B and 1K 0.7mm crimp contacts	79.15
736-DCE91091BVC	DCE.91.091.BVC	1B and 1K 0.9mm crimp contacts	79.15
736-DCE91131BVC	DCE.91.131.BVC	1B and 1K 1.3mm crimp contacts	79.15
736-DCE91072BVC	DCE.91.072.BVC	2B and 2K 0.7mm crimp contacts	95.19
736-DCE91092BVC	DCE.91.092.BVC	2B and 2K 0.9mm crimp contacts	95.19
736-DCE91132BVC	DCE.91.132.BVC	2B and 2K 1.3mm crimp contacts	95.19
736-DCE91093BVC	DCE.91.093.BVC	3B and 3K 0.9mm crimp contacts	95.19

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each
Female Postioners			
736-DCE91070BVM	DCE.91.070.BVM	0B and 0K 0.7mm crimp contacts	79.15
736-DCE91090BVM	DCE.91.090.BVM	0B and 0K 0.9mm crimp contacts	79.15
736-DCE91071BVM	DCE.91.071.BVM	1B and 1K 0.7mm crimp contacts	79.15
736-DCE91091BVM	DCE.91.091.BVM	1B and 1K 0.9mm crimp contacts	79.15
736-DCE91131BVM	DCE.91.131.BVM	1B and 1K 1.3mm crimp contacts	79.15
736-DCE91072BVM	DCE.91.072.BVM	2B and 2K 0.7mm crimp contacts	95.19
736-DCE91092BVM	DCE.91.092.BVM	2B and 2K 0.9mm crimp contacts	95.19
736-DCE91132BVM	DCE.91.132.BVM	2B and 2K 1.3mm crimp contacts	95.19
736-DCE91093BVM	DCE.91.093.BVM	3B and 3K 0.9mm crimp contacts	95.19

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each
Extraction Tools			
736-DCF910702LT	DCF.91.070.2LT	Extractor for male and female 0.7mm crimp contacts	46.83
736-DCF910902LT	DCF.91.090.2LT	Extractor for male and female 0.9mm crimp contacts	46.83
736-DCF911312LT	DCF.91.131.2LT	Extractor for male and female 1.3mm crimp contacts	46.83

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each
Crimp Tool			
736-DPC91701V	DPC.91.701.V	Hand crimp tool for use with LEMO positioners	388.27

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each
Male Retention Force Testers			
736-DCK910714LRC	DCK.91.071.4LRC	14 Newtons for 0.7mm crimp contacts	225.07
736-DCK910914LRC	DCK.91.091.4LRC	14 Newtons for 0.9mm crimp contacts	225.07
736-DCK911325LRC	DCK.91.132.5LRC	25 Newtons for 1.3mm crimp contacts	225.07

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each
Female Retention Force Testers			
736-DCK910714LRM	DCK.91.071.4LRM	14 Newtons for 0.7mm crimp contacts	225.07
736-DCK910914LRM	DCK.91.091.4LRM	14 Newtons for 0.9mm crimp contacts	225.07
736-DCK911325LRM	DCK.91.132.5LRM	25 Newtons for 1.3mm crimp contacts	225.07

LEMO Push-Pull Connectors

RoHS Compliant **This page of product is compliant.**

S-SERIES CONNECTORS

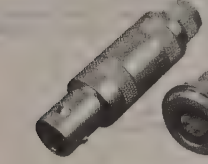
Hermaphroditic or concentric insert styles, and protected contacts make the "S" Series a quality choice connector for numerous general-purpose applications.

Specifications:

- Multi-contact types from 2 to 106 contacts
- Single contact insert types can run high currents (up to 230 A)
- Male Solder and Crimp connectors ending with a 'Z' require a collet. Collets ordered separately.

Features:

- Hermaphroditic (combined male & female contacts) half-moon inserts make blind mating easy
- Concentric insert types (single contact, coaxial/ triaxial) can be blindly inserted in any orientation and rotated into any direction for convenience
- RoHS compliant per LEMO documentation.



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	No. of Contacts	Shell Size	Description	Price Each			
					1	10	25	50
Male Plug								
736-FFA0S302CLAZ	FFA.0S.302.CLAZ	2	0	0 S-series 2 solder w/o collet	20.22	19.16	17.90	17.06
736-FFA0S304CLAZ	FFA.0S.304.CLAZ	4	0	0 S-series 4 solder w/o collet	21.52	20.39	19.05	18.16
736-FFA1S306CLAZ	FFA.1S.306.CLAZ	6	1	1 S-series 6 solder w/o collet	32.37	30.67	28.66	27.31
Female Receptacle								
736-ERA0S302CLL	ERA.0S.302.CLL	2	0	Front mount solder	16.56	15.68	14.66	13.97
736-ERA0S304CLL	ERA.0S.304.CLL	4	0	Front mount solder	19.67	18.63	17.41	16.59
736-ERA1S306CLL	ERA.1S.306.CLL	6	1	Front mount solder	28.96	27.44	25.64	24.44

S-Series Collets

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each			
			1	10	25	50
736-FFA0S727CN	FFA.0S.727.CN	0S series cable diameters of 2.2mm to 2.6mm	1.89	1.79	1.67	1.59
736-FFA0S732CN	FFA.0S.732.CN	0S series cable diameters of 2.7mm to 3.1mm	1.89	1.79	1.67	1.59
736-FFA0S737CN	FFA.0S.737.CN	0S series cable diameters of 3.0mm to 3.6mm	1.89	1.79	1.67	1.59
736-FFA0S742CN	FFA.0S.742.CN	0S series cable diameters of 3.3mm to 4.1mm	1.89	1.79	1.67	1.59
736-FFA0S744CN	FFA.0S.744.CN	0S series cable diameters of 3.5mm to 4.3mm	1.89	1.79	1.67	1.59
736-FFA1S727CN	FFA.1S.727.CN	1S series cable diameters of 2.2mm to 2.6mm	2.50	2.37	2.21	2.11
736-FFA1S732CN	FFA.1S.732.CN	1S series cable diameters of 2.6mm to 3.1mm	2.50	2.37	2.21	2.11
736-FFA1S737CN	FFA.1S.737.CN	1S series cable diameters of 2.7mm to 3.6mm	2.50	2.37	2.21	2.11
736-FFA1S742CN	FFA.1S.742.CN	1S series cable diameters of 3.3mm to 4.1mm	2.50	2.37	2.21	2.11
736-FFA1S747CN	FFA.1S.747.CN	1S series cable diameters of 3.8mm to 4.2mm	2.50	2.37	2.21	2.11
736-FFA1S752CN	FFA.1S.752.CN	1S series cable diameters of 4.3mm to 5.1mm	2.50	2.37	2.21	2.11
736-FFA1S757CN	FFA.1S.757.CN	1S series cable diameters of 4.8mm to 5.6mm	2.50	2.37	2.21	2.11
736-FFA1S762CN	FFA.1S.762.CN	1S series cable diameters of 5.3mm to 6.1mm	2.50	2.37	2.21	2.11

00-SERIES CONNECTORS

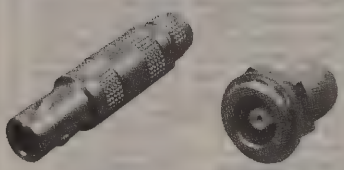
Range of compact 50-Ohm coaxial connectors for a wide variety of applications; formed the basis of the NIM-CAMAC CD/N 549 standard.

Specifications:

- 50-Ohm coaxial insert types
- RoHS compliant per LEMO documentation

Features:

- Small size and low weight allow high packing density
- Concentric insert types can be blindly inserted in any orientation and rotated into any direction for convenience



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each			
			1	10	25	50
Male Plug						
736-FFA00250CTAC29	FFA.00.250.CTAC29	Coaxial, solder, collet for 2.4mm to 2.8mm	14.28	13.53	12.64	12.05
736-FFS00250NTCE31	FFS.00.250.NTCE31	Coaxial 50-ohm, crimp, E31 collet	15.11	14.32	13.38	12.75
736-FFS00250NTCE52	FFS.00.250.NTCE52	Coaxial 50-ohm, crimp, E52 collet	16.39	15.53	14.51	13.83
736-FFA00250NTAC29	FFA.00.250.NTAC29	Solder, collet for 2.4mm to 2.8mm	13.59	12.88	12.03	11.47
Female Receptacle						
736-ERA00250CTL	ERA.00.250.CTL	Front mount, coaxial, solder, chrome shell	9.00	8.53	7.97	7.59
736-ERA00250NTL	ERA.00.250.NTL	Front mount, coaxial, solder, nickel shell	7.37	6.98	6.52	6.22
736-ERN00250CTL	ERN.00.250.CTL	Front mount, coaxial, solder, ground tag	11.04	10.46	9.77	9.31
736-PCA00250CTLC29	PCA.00.250.CTLC29	Inline mount, coaxial, solder, C29 collet	13.04	12.35	11.54	11.00

SMPTE-SERIES CONNECTORS

LEMO developed the 3K.93C Series connectors in the early stages of the introduction on HDTV, becoming the standard for high-definition TV. It is one of the only connectors being used worldwide that complies fully with SMPTE standards for both signal and cable.

Features:

- Quick disconnect Push-Pull latching system
- Over 11 shells to meet various application needs
- RoHS compliant per LEMO documentation
- Stainless steel shell for rugged and harsh environments
- UL certified

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each
Male Solder			
736-FUW3K93CTLMC96	FUW.3K.93C.TLMC96	Straight cable mount plug, SMPTE, stainless shell for C96 collet	242.87
736-GMF3K085EANZ	GMF.3K.085.EANZ	Protective rubber boot for SMPTE cable mount plugs	69.22
736-PSSF2BB2LCE30	PSS.F2.BB2.LCE30	Female F2 fiber contact with 125um ferrule hole diameter, with crimp ferrule	58.67
Female Solder			
736-PUW3K93CTLCC96	PUW.3K.93C.TLCC96	Receptacle cable mount, SMPTE, stainless shell for C96 collet	223.31
736-GMP3K085EANZ	GMP.3K.085.EANZ	Protective rubber boot for SMPTE cable mount receptacles	69.22
736-FFSF2BB2LCE30	FFS.F2.BB2.LCE30	Male F2 fiber contact with 125um ferrule hole diameter, with crimp ferrule	45.98
SMPTE Tools			
736-DCC913125LA	DCC.91.312.5LA	Extractor for female F2 SMPTE 3K fiber contact	132.14
736-DPD990105K	DPD.99.010.5K	Hand crimp tool for use with SMPTE 3K shield termination for FUW and PUW	1280.23
736-DPC91101A	DPC.91.101.A	Hand crimp tool for use with SMPTE 3K 1.3mm positioners	409.85
736-DCE91133BVCW	DCG91133BVCW	Male and female positioner for SMPTE 3K 1.3mm crimp contacts	359.18

LEMO Push-Pull Connectors

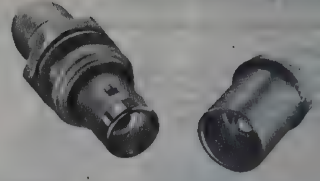
RoHS Compliant **This page of product is compliant.**

4A-SERIES CONNECTORS

For video applications, LEMO offers a range of triaxial connectors especially designed for the connection of television cameras to control equipment. 4A Series is widely used by most manufacturers of professional video cameras. These connectors can either be used outdoors or indoors.

Specifications:

- IP Rating 61
- Impendence: 75 Ohms
- Operating Frequency: 2.5 GHz
- RoHS compliant per LEMO documentation



MOUSER STOCK NO.	LEMO Part No.	Description	Price Each	
			1	5
Male Plugs				
736-FXC4A675CTCC95	FXC.4A.675.CTCC95	TV Triax, 75-ohm, C95 collet	311.72	295.32
736-FXC4A675CTCC13	FXC.4A.675.CTCC13	TV Triax, 75-ohm, C13 collet	311.72	295.32
Female Receptacles				
736-PXA4A675CTRC95	PXA.4A.675.CTRC95	Inline mount TV Triax, 75-ohm, C95 collet	277.69	263.07
736-PXA4A675CTRC13	PXA.4A.675.CTRC13	Inline mount TV Triax, 75-ohm, C13 collet	277.69	263.07

REDEL® SERIES - PLASTIC CONNECTORS

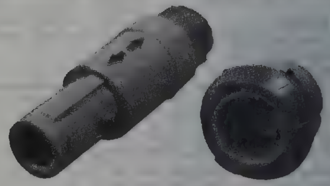
LEMO's line of REDEL® plastic connectors are considered the quality standard in the medical industry. This series is also ideally suited for aerospace, test & measurement, and research applications.

Specifications:

- Multi-contact types from 2 to 32 contacts
- IP Rating 61
- RoHS compliant per LEMO documentation

Features:

- Extensive steam or chemical sterilization with rugged PSU or PEI housing materials
- Multi-contact and hybrid inserts save space and connection time



REDEL® 1P Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	No. of Contacts	Description	Price Each			
				1	10	25	50
Male Solder-Plugs							
736-PAGM02GLAZGK	PAG.M0.2GL.AZGK	2	Gray shell with kit for all 3 collet sizes	12.82	12.11	11.47	10.72
736-PAGM04GLAZGK	PAG.M0.4GL.AZGK	4	Gray shell with kit for all 3 collet sizes	14.35	13.56	12.84	12.00
736-PAGM05GLAZGK	PAG.M0.5GL.AZGK	5	Gray shell with kit for all 3 collet sizes	15.02	14.19	13.44	12.56
736-PAGM06GLAZGK	PAG.M0.6GL.AZGK	6	Gray shell with kit for all 3 collet sizes	15.71	14.83	14.05	13.13
736-PAGM07GLAZGK	PAG.M0.7GL.AZGK	7	Gray shell with kit for all 3 collet sizes	16.55	15.63	14.91	13.84
736-PAGM08GLAZGK	PAG.M0.8GL.AZGK	8	Gray shell with kit for all 3 collet sizes	17.08	16.13	15.28	14.28
736-PAGM09GLAZGK	PAG.M0.9GL.AZGK	9	Gray shell with kit for all 3 collet sizes	17.63	16.65	15.77	14.74
736-PAGM10GLAZGK	PAG.M1.0GL.AZGK	10	Gray shell with kit for all 3 collet sizes	20.22	19.09	18.09	16.90
736-PAGM14GLAZGK	PAG.M1.4GL.AZGK	14	Gray shell with kit for all 3 collet sizes	24.59	23.22	22.00	20.56
Female Solder-Receptacles							
736-PKGM02SLLG	PKG.M0.2SL.LG	2	Panel front or rear mount gray shell	10.69	10.09	9.56	8.93
736-PKGM04SLLG	PKG.M0.4SL.LG	4	Panel front or rear mount gray shell	12.02	11.35	10.75	10.05
736-PKGM05SLLG	PKG.M0.5SL.LG	5	Panel front or rear mount gray shell	12.16	11.48	10.88	10.16
736-PKGM06SLLG	PKG.M0.6SL.LG	6	Panel front or rear mount gray shell	14.55	13.74	13.02	12.16
736-PKGM07SLLG	PKG.M0.7SL.LG	7	Panel front or rear mount gray shell	14.63	13.81	13.09	12.23
736-PKGM08SLLG	PKG.M0.8SL.LG	8	Panel front or rear mount gray shell	17.08	16.13	15.28	14.28
736-PKGM09SLLG	PKG.M0.9SL.LG	9	Panel front or rear mount gray shell	19.71	18.61	17.63	16.48
736-PKGM10SLLG	PKG.M1.0SL.LG	10	Panel front or rear mount gray shell	22.49	21.24	20.12	18.80
736-PKGM14SLLG	PKG.M1.4SL.LG	14	Panel front or rear mount gray shell	28.73	27.13	25.70	24.02

REDEL® 1P Hardware

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	Description	Price Each			
			1	10	25	50
Backnuts						
736-PAG130UA0	PAG.13.0UA.0	Standard backnut, blue	1.51	1.43	1.35	1.26
736-PAG130UJ0	PAG.13.0UJ.0	Standard backnut, yellow	1.51	1.43	1.35	1.26
736-PAG130UN0	PAG.13.0UN.0	Standard backnut, black	1.51	1.43	1.35	1.26
736-PAG130UR0	PAG.13.0UR.0	Standard backnut, red	1.51	1.43	1.35	1.26
736-PAG130UV0	PAG.13.0UV.0	Standard backnut, green	1.51	1.43	1.35	1.26
736-PAM130UG0	PAM.13.0UG.0	Bend relief backnut, gray	3.27	3.09	2.93	2.74
Front Nuts						
736-PKG220UA0	PKG.22.0UA.0	Colored front nut, blue	1.22	1.15	1.09	1.02
736-PKG220UJ0	PKG.22.0UJ.0	Colored front nut, yellow	1.22	1.15	1.09	1.02
736-PKG220UN0	PKG.22.0UN.0	Colored front nut, black	1.22	1.15	1.09	1.02
736-PKG220UR0	PKG.22.0UR.0	Colored front nut, red	1.22	1.15	1.09	1.02
736-PKG220UV0	PKG.22.0UV.0	Colored front nut, green	1.22	1.15	1.09	1.02

REDEL® 2P Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	LEMO Part No.	No. of Contacts	Description	Price Each			
				1	10	25	50
Male Solder-Plugs							
736-CABM19GLAC52G	CAB.M19.GLA.C52G	19	REDEL gray shell, collet for 3.2mm to 5.2m	35.44	33.58	31.38	29.51
736-CABM26GLAC72G	CAB.M26.GLA.C72G	26	REDEL gray shell, collet for 5.3mm to 7.2m	39.33	37.26	34.82	33.19
Female Solder-Receptacles							
736-CLBM19GLLG	CLB.M19.GLLG	19	Panel, front, 2P series gray solder shell	49.24	46.65	43.59	41.55
736-CLBM26GLLG	CLB.M26.GLLG	26	Panel, front, 2P series gray solder shell	57.04	54.04	50.49	48.13

PHOENIX CONTACT M12 / M8 Connectors

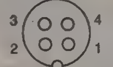
INSPIRING INNOVATIONS

M12 / M8 THREADED CORD SETS

Features:
- Cable Jacket: (PUR) Polyurethane
- Cable Color: Black
- Connector Housing Color: Green
- Connector Interface; Threaded Metal

Specifications:
- Current Rating: 4A
- Temperature Range: -30° to 80°C
- IP-Degree: IP67 (IEC 60529)
- Voltage Rating: 320V
- Cable Diameter: 5.2mm

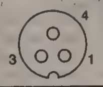
M12 - 4 Pin Wire Diagram (female)



M12 - 4 Pin Wire Color

Pos.	Color
1	Brown
2	White
3	Blue
4	Black

M8 - 3 Pin Wire Diagram (female)



M8 - 3 Pin Wire Color

Pos.	Color
1	Brown
3	Blue
4	Black

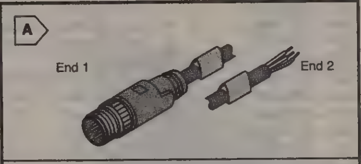
M12 Threaded Cord Sets

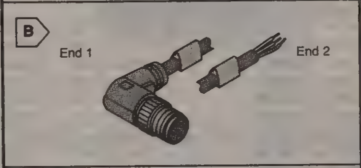
For quantities of 100 and up, call for quote.

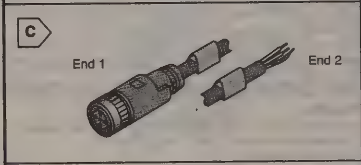
MOUSER STOCK NO.		Fig.	Phoenix Contact Type	No. of Pos.	End 1	End 2	Length (m)	Price Each		
Mfr.	Mfr. Part No.							1	10	25
Single-Ended Cord Sets - Straight Male Connector										
651	1668043	A	SAC-4P-M12MS/1,5-PUR	4	Straight Male	Open	1.5	11.38	10.48	10.00
651	1668056	A	SAC-4P-M12MS/3.0-PUR	4	Straight Male	Open	3.0	13.27	12.22	11.66
651	1668069	A	SAC-4P-M12MS/5,0-PUR	4	Straight Male	Open	5.0	15.84	14.58	13.92
651	1682993	A	SAC-4P-M12MS/10,0-PUR	4	Straight Male	Open	10.0	22.27	20.50	19.57
Single-Ended Cord Sets - Right Angle Male Connector										
651	1668166	B	SAC-4P-M12MR/1,5-PUR	4	Right Angle Male	Open	1.5	11.88	10.94	10.44
651	1668179	B	SAC-4P-M12MR/3,0-PUR	4	Right Angle Male	Open	3.0	13.76	12.67	12.09
651	1668182	B	SAC-4P-M12MR/5,0-PUR	4	Right Angle Male	Open	5.0	16.34	15.04	14.36
651	1694457	B	SAC-4P-M12MR/10,0-PUR	4	Right Angle Male	Open	10.0	22.76	20.95	20.00
Single-Ended Cord Sets - Straight Female Connector										
651	1668108	C	SAC-4P-1.5-PUR/M12FS	4	Straight Female	Open	1.5	11.68	10.75	10.26
651	1668111	C	SAC-4P- 3,0-PUR/M12FS	4	Straight Female	Open	3.0	13.75	12.66	12.08
651	1668124	C	SAC-4P- 5,0-PUR/M12FS	4	Straight Female	Open	5.0	16.53	15.22	14.53
651	1683002	C	SAC-4P-10.0-PUR/M12FS	4	Straight Female	Open	10.0	23.47	21.61	20.63
Single-Ended Cord Sets - Right Angle Female Connector										
651	1668221	D	SAC-4P-1,5-PUR/M12FR	4	Right Angle Female	Open	1.5	12.18	11.21	10.70
651	1668234	D	SAC-4P- 3,0-PUR/M12FR	4	Right Angle Female	Open	3.0	14.05	12.93	12.35
651	1668247	D	SAC-4P- 5,0-PUR/M12FR	4	Right Angle Female	Open	5.0	16.62	15.30	14.61
651	1681389	D	SAC-4P-10,0-PUR/M12FR	4	Right Angle Female	Open	10.0	23.05	21.22	20.26
Double-Ended Cord Sets - Straight Male / Straight Female Connectors										
651	1668357	E	SAC-4P-M12MS/0,3-PUR/M12FS	4	Straight Male	Straight Female	0.3	19.49	17.94	17.13
651	1668360	E	SAC-4P-M12MS/0.6-PUR/M12FS	4	Straight Male	Straight Female	0.6	19.89	18.31	17.48
651	1668373	E	SAC-4P-M12MS/1,5-PUR/M12FS	4	Straight Male	Straight Female	1.5	21.07	19.40	18.52
651	1668386	E	SAC-4P-M12MS/3,0-PUR/M12FS	4	Straight Male	Straight Female	3.0	22.96	21.14	20.18
Panel Mount Receptacles										
651	1693788	F	SACC-E-M12FS-4CON-PG 9/0.5	4	Female Panel	Open	0.5	12.47	11.48	10.96
651	1693762	G	SACC-E-M12MS-4CON-PG 9/0.5	4	Male Panel	Open	0.5	12.47	11.48	10.96

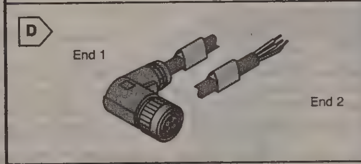
M8 Threaded Cord Sets

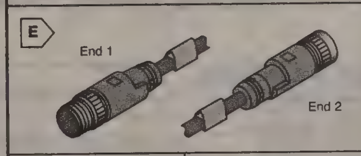
MOUSER STOCK NO.		Fig.	Phoenix Contact Type	No. of Pos.	End 1	End 2	Length (m)	Price Each		
Mfr.	Mfr. Part No.							1	10	25
Single-Ended Cord Sets - Straight Male Connector										
651	1681664	A	SAC-3P-M 8MS/1.5-PUR	3	Straight Male	Open	1.5	9.89	9.11	8.69
651	1681677	A	SAC-3P-M 8MS/3,0-PUR	3	Straight Male	Open	3.0	11.39	10.49	10.01
651	1681680	A	SAC-3P-M 8MS/5,0-PUR	3	Straight Male	Open	5.0	13.38	12.32	11.76
Single-Ended Cord Sets - Right Angle Male Connector										
651	1681693	B	SAC-3P-M 8MR/1.5/PUR	3	Right Angle Male	Open	1.5	10.28	9.46	9.03
651	1681703	B	SAC-3P-M 8MR/3.0-PUR	3	Right Angle Male	Open	3.0	11.78	10.85	10.35
651	1681716	B	SAC-3P-M 8MR/5,0-PUR	3	Right Angle Male	Open	5.0	13.77	12.68	12.10
Single-Ended Cord Sets - Straight Female Connector										
651	1669712	C	SAC-3P- 1.5-PUR/M 8FS	3	Straight Female	Open	1.5	10.08	9.28	8.86
651	1669725	C	SAC-3P- 3,0-PUR/M 8FS	3	Straight Female	Open	3.0	11.58	10.66	10.18
651	1669628	C	SAC-3P- 5,0-PUR/M 8FS	3	Straight Female	Open	5.0	13.58	12.50	11.93
Single-Ended Cord Sets - Right Angle Female Connector										
651	1669738	D	SAC-3P- 1.5-PUR/M 8FR	3	Right Angle Female	Open	1.5	10.74	9.89	9.44
651	1669741	D	SAC-3P- 3,0-PUR/M 8FR	3	Right Angle Female	Open	3.0	12.24	11.27	10.76
651	1669631	D	SAC-3P- 5,0-PUR/M 8FR	3	Right Angle Female	Open	5.0	14.24	13.11	12.51
M8 Panel Mount Receptacles										
651	1500350	F	SACC-E-M-8FS-3CON-M8/0.5	3	Female Panel	Open	0.5	14.02	12.91	12.32
651	1500334	G	SACC-E-M-8MS-3CON-M8/0.5	3	Male Panel	Open	0.5	12.18	11.21	10.70











M12 / M8 QUICKON-ONE PLUG CONNECTORS

Features:
- QUICKON-ONE design allows rapid connector termination
- No Individual Wire
- IDC Wire Termination

Specifications:
- Current Rating: 4A
- IP-Degree: IP67 (IEC 60529)
- Voltage Rating: 125V AC
- Cable Diameter Range: 3.5-6mm

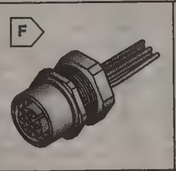
M12 Quickon-One Plug Connector

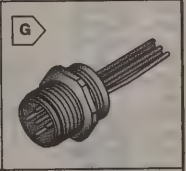
For quantities of 100 and up, call for quote.

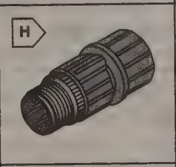
MOUSER STOCK NO.		Fig.	Phoenix Contact Type	No. of Pos.	Cable Diameter	Mating Thread Material	AWG Range	Type	Price Each		
Mfr.	Mfr. Part No.								1	10	25
651	1641714	H	SACC-M12MS-4QO-0.34	4	3.5 - 6mm	Plastic	26-22	Male	10.31	9.49	9.06
651	1641691	H	SACC-M12MS-4QO-0.34-M	4	3.5 - 6mm	Metal	26-22	Male	10.68	9.83	9.39
651	1641769	H	SACC-M12MS-4QO-0.75	4	3.5 - 6mm	Plastic	22-18	Male	10.31	9.49	9.06
651	1641785	H	SACC-M12MS-4QO-0.75-M	4	3.5 - 6mm	Metal	22-18	Male	10.68	9.83	9.39
651	1641701	I	SACC-M12FS-4QO-0.34	4	3.5 - 6mm	Plastic	26-22	Female	10.31	9.49	9.06
651	1641688	I	SACC-M12FS-4QO-0.34-M	4	3.5 - 6mm	Metal	26-22	Female	10.68	9.83	9.39
651	1641756	I	SACC-M12FS-4QO-0.75	4	3.5 - 6mm	Plastic	22-18	Female	10.31	9.49	9.06
651	1641772	I	SACC-M12FS-4QO-0.75-M	4	3.5 - 6mm	Metal	22-18	Female	10.68	9.83	9.39

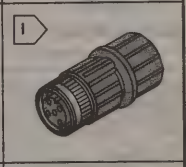
M8 Quickon-One Plug Connector

Mfr.	Mfr. Part No.	Fig.	Phoenix Contact Type	No. of Pos.	Cable Diameter	Mating Thread Material	AWG Range	Type	1	10	25
651	1506752	H	SACC-M 8MS-3PCON	3	3 - 5mm	Metal	26-22	Male	15.15	13.95	13.31
651	1506778	I	SACC-M 8FS-3PCON	3	3 - 5mm	Metal	26-22	Female	14.66	13.50	12.88









M12 / M8 PLUG CONNECTORS

Features:
- Right Angle Versions can be Swiveled
- Metal Threaded Knurls

Specifications:
- Current Rating: 4A
- IP-Degree: IP67 (IEC 60529)
- Voltage Rating: 125V AC
- AWG: 24-18

RoHS Compliant

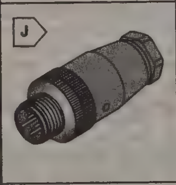
M12 Plug Connector

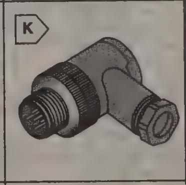
For quantities of 100 and up, call for quote.

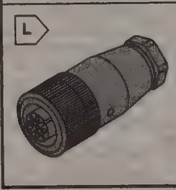
MOUSER STOCK NO.		Fig.	Phoenix Contact Type	No. of Pos.	Termination Type	Cable Diameter	Type	Price Each		
Mfr.	Mfr. Part No.							1	10	25
651	1662528	J	SACC-M12MS-4CON-PG7-M	4	Screw	4-6 mm	Straight Male	10.74	9.89	9.44
651	1681101	K	SACC-M12MR-4CON-PG7-M	4	Screw	4-6 mm	Right Angle Male	10.74	9.89	9.44
651	1681127	L	SACC-M12FS-4CON-PG7-M	4	Screw	4-6 mm	Straight Female	10.74	9.89	9.44
651	1681143	M	SACC-M12FR-4CON-PG7-M	4	Screw	4-6 mm	Right Angle Female	10.74	9.89	9.44

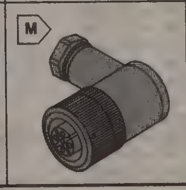
M8 Plug Connector

Mfr.	Mfr. Part No.	Fig.	Phoenix Contact Type	No. of Pos.	Termination Type	Cable Diameter	Type	1	10	25
651	1681156	H	SACC-M8MS-3CON-M	3	Solder	3.5-5 mm	Straight Male	10.74	9.89	9.44
651	1501252	H	SACC-M8MS-3CON-M-SW	3	Screw	3.5-5 mm	Straight Male	13.18	12.13	11.58
651	1681172	I	SACC-M8FS-3CON-M	3	Solder	3.5-5 mm	Straight Female	10.74	9.89	9.44
651	1506888	I	SACC-M8FS-3CON-M-SW	3	Screw	3.5-5 mm	Straight Female	12.82	11.80	11.27









PHOENIX CONTACT SPEEDCON Connectors and Sensor Boxes

M12 SPEEDCON CORD SETS

Features:
- Simple 1/2 turn connection
- Compatible with all M12 standard threading
- 90% time savings over standard M12
- No special adapters required

Specifications:
- Current Rating: 4A
- Temperature Range: -25° to 90° C
- IP-Degree: IP65 & IP67
- Voltage Rating: 300V/125V(5 pos)
- Cable Diameter: 5.2mm

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Contact Type	No. of Pos.	End 1	End 2	Length (mm)	Price Each		
Mfr.	Mfr. Part No.							1	10	25
Single Ended Cord Sets-Straight										
651	1518643	A	SAC-3P-MS/ 1.5-PUR SCO	3	Straight Male	Open	1.5	10.18	9.37	8.95
651	1518656	A	SAC-3P-MS/ 3.0-PUR SCO	3	Straight Male	Open	3.0	11.72	10.79	10.30
651	1518669	A	SAC-3P-MS/ 5.0-PUR SCO	3	Straight Male	Open	5.0	13.86	12.76	12.18
651	1518805	A	SAC-4P-MS/ 1.5-PUR SCO	4	Straight Male	Open	1.5	11.14	10.26	9.79
651	1518818	A	SAC-4P-MS/ 3.0-PUR SCO	4	Straight Male	Open	3.0	12.99	11.96	11.42
651	1518960	A	SAC-5P-MS/ 1.5-PUR SCO	5	Straight Male	Open	1.5	11.92	10.97	10.48
651	1518973	A	SAC-5P-MS/ 3.0-PUR SCO	5	Straight Male	Open	3.0	13.96	12.85	12.27
Single Ended Cord Sets-Right Angle										
651	1518685	B	SAC-3P-MR/1.5-PUR SCO	3	Rht Ang Male	Open	1.5	10.66	9.81	9.37
651	1518698	B	SAC-3P-MR/ 3.0-PUR SCO	3	Rht Ang Male	Open	3.0	12.21	11.24	10.73
651	1518847	B	SAC-4P-MR/ 1.5-PUR SCO	4	Rht Ang Male	Open	1.5	11.63	10.71	10.22
651	1518850	B	SAC-4P-MR/ 3.0-PUR SCO	4	Rht Ang Male	Open	3.0	13.47	12.40	11.84
651	1519008	B	SAC-5P-MR/ 1.5-PUR SCO	5	Rht Ang Male	Open	1.5	12.40	11.42	10.90
Double Ended Cord Sets-Straight										
651	1518740	C	SAC-3P-MS/ 1.5-PUR/FS SCO	3	Straight Male	Straight Female	1.5	18.99	17.48	16.69
651	1518753	C	SAC-3P-MS/ 3.0-PUR/FS SCO	3	Straight Male	Straight Female	3.0	20.61	18.97	18.11
651	1518902	C	SAC-4P-MS/ 1.5-PUR/FS SCO	4	Straight Male	Straight Female	1.5	20.64	19.00	18.14
651	1518915	C	SAC-4P-MS/ 3.0-PUR/FS SCO	4	Straight Male	Straight Female	3.0	22.48	20.70	19.76
651	1519066	C	SAC-5P-MS/ 1.5-PUR/FS SCO	5	Straight Male	Straight Female	1.5	21.78	20.05	19.14
651	1519079	C	SAC-5P-MS/ 3.0-PUR/FS SCO	5	Straight Male	Straight Female	3.0	24.13	22.21	21.21
Double Ended Cord Sets-Right Angle / Straight										
651	1518782	D	SAC-3P-MR/ 1.5-PUR/FS SCO	3	Rht Ang Male	Straight Female	1.5	19.47	17.92	17.11
651	1518795	D	SAC-3P-MR/ 3.0-PUR/FS SCO	3	Rht Ang Male	Straight Female	3.0	21.03	19.36	18.48
Y CABLES										
651	1524200	E	SAC-3P-Y/2X 1.5-PUR SCO	2 x 3	Straight Male	Open	1.5	15.99	14.72	14.05
651	1524213	E	SAC-3P-Y/2X-3.0-PUR SCO	2 x 3	Straight Male	Open	3.0	19.09	17.57	16.78

M12 SPEEDCON QUICKON-ONE PLUG CONNECTORS

Features:
- QUICKON-ONE design allows rapid connector termination
- No individual wire stripping is required
- IDC wire termination

Specifications:
- Current Rating: 4A
- Voltage Rating: 125V
- IP-Degree: IP65 & IP67
- Cable Diameter Range: 4 to 7.5mm

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Contact Type	No. of Pos.	Mating Thread Material	Type	AWG Range	Price Each		
Mfr.	Mfr. Part No.							1	10	25
651	1521588	F	SACC-M12FS-4QO-0.34-M SCO	4	Metal	Straight Female	26-22	10.26	9.45	9.02
651	1521601	F	SACC-M12FS-4QO-0.75-M SCO	4	Metal	Straight Female	22-18	10.26	9.45	9.02
651	1521575	G	SACC-M12MS-4QO-0.34-M SCO	4	Metal	Straight Male	26-22	10.26	9.45	9.02
651	1521591	G	SACC-M12MS-4QO-0.75-M SCO	4	Metal	Straight Male	22-18	10.26	9.45	9.02

FLUSH TYPE PCB MOUNT CONNECTORS

NEW PRODUCT

For quantities of 100 and up, call for quote.

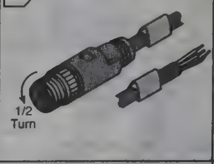
MOUSER STOCK NO.		Fig.	Phoenix Contact Type	No. of Pos.	Keyring	Type	Price Each		
Mfr.	Mfr. Part No.						1	10	25
M12 - Speedcon									
651	1542761	H	SACC-DSI-FS-5CON-L180 SCO	5	A-standard	Straight Female	12.62	11.65	9.93
651	1543650	H	SACC-DSI-FSB-5CON-L180 SCO	5	B- inverse	Straight Female	12.62	11.65	9.93
651	1542774	H	SACC-DSI-FS-8CON-L180 SCO	8	A-standard	Straight Female	24.33	22.46	19.14
651	1542745	I	SACC-DSI-MS-5CON-L180 SCO	5	A-standard	Straight Male	12.62	11.65	9.93
651	1543647	I	SACC-DSI-MSB-5CON-L180 SCO	5	B- inverse	Straight Male	12.62	11.65	9.93
651	1542758	I	SACC-DSI-MS-8CON-L180 SCO	8	A-standard	Straight Male	22.54	20.80	17.73
M8									
651	1694334	J	SACC-DSI-M8MS-3CON-L180	3	---	Straight Male	9.33	8.59	8.20
651	1694347	J	SACC-DSI-M8MS-4CON-L181	4	---	Straight Male	9.94	9.15	8.73
651	1694363	K	SACC-DSI-M8FS-3CON-L182	3	---	Straight Female	10.73	9.88	9.43
651	1694376	K	SACC-DSI-M8FS-4CON-L183	4	---	Straight Female	8.01	7.37	7.03

SENSOR/ACTUATOR BOXES

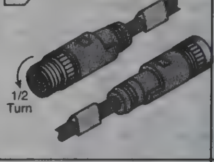
The SACB sensor/actuator boxes set new standards in distributed field cabling when it comes to space. Ideal use of space is guaranteed by the extremely flat design. The boxes are offered in a variety of styles to accommodate any application.

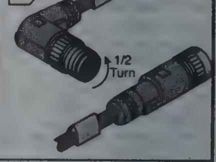
For quantities of 25 and up, call for quote.

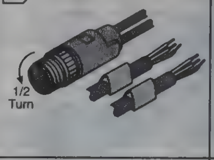
MOUSER STOCK NO.		Fig.	Phoenix Contact Type	No. of Slots	Master Cable Length (m)	Slot Type	No. of Pos.	With LED	Price Each	
Mfr.	Mfr. Part No.								1	5
M12 Boxes										
651	1680885	L	SACB-4/8-5,0PUR 120V	4	5 m	Double-Occupied	5	-	95.34	87.77
651	1680911	L	SACB-6/12-10,0PUR 120V	6	10 m	Double-Occupied	5	-	171.40	157.80
651	1680982	L	SACB-8/8- 5.0PUR	8	5 m	Single-Occupied	4	-	114.61	105.51
651	1695171	M	SACB-8/8-L-10.0PUR	8	10 m	Single-Occupied	4	LED	162.27	149.39
651	1695207	M	SACB 8/16 L 10.0 PUR	8	10 m	Double-Occupied	5	LED	202.84	186.74
M12 Sensor/Actuator Boxes with M23 Plug Connection										
651	1692433	N	SACB-6/12-L-M23	6	-	Double-Occupied	5	LED	124.75	114.85
651	1692721	O	SACB-8/16-L-M23-180	8	-	Double-Occupied	5	LED	140.98	129.79
M12 Sensor/Actuator Boxes with Connected Master Cable - Speedcon										
651	1516962	P	SACB-4/4-5.0PUR SCO	4	5 m	Single-Occupied	4	-	76.48	70.41
651	1516988	P	SACB-4/8-5.0PUR SCO	4	5 m	Double-Occupied	5	-	93.37	85.96
651	1517000	P	SACB-6/6-5.0PUR SCO	6	5 m	Single-Occupied	4	-	99.33	91.45
651	1517042	P	SACB-8/8-5.0PUR SCO	8	5 m	Single-Occupied	4	-	112.25	103.34
651	1517084	Q	SACB-4/4-L-5.0PUR SCO	4	5 m	Single-Occupied	4	LED	81.90	75.40
651	1517123	Q	SACB-6/6-L-5.0PUR SCO	6	5 m	Single-Occupied	4	LED	105.99	97.58
651	1517165	Q	SACB-8/8-L-5.0PUR SCO	8	5 m	Single-Occupied	4	LED	124.16	114.31
651	1517181	Q	SACB-8/16-L-5.0PUR SCO	8	5 m	Double-Occupied	5	LED	158.93	146.32
M8 Sensor/Actuator Boxes										
651	1516056	R	SACB-8/3-L-5.0 PUR M8	8	5 m	-	3	LED	133.37	122.79
651	1516072	R	SACB-10/3-L-5.0PUR M8	10	5 m	-	3	LED	164.85	151.66

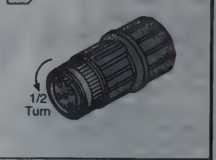
A


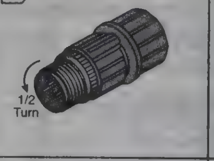
B

C


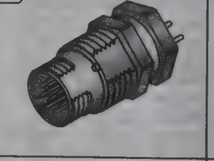
D


E


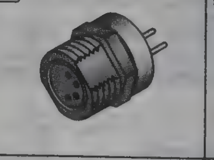
F


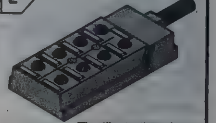
G


H

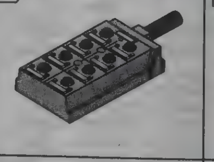
I


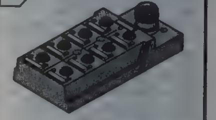
J

K


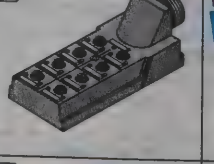
L


The illustration shows a version with 8 slots

M


N


The illustration shows a version with 8 slots

O


P

NEW
PRODUCT

Q

NEW
PRODUCT

R

The illustration shows a version with 8 slots

SOURIAU Sealed Plastic Circular Connectors and Tooling

SOURIAU
Connection Technology

TRIM TRIO™ UTS SERIES WITH IP68/69K SEALING

Specifications:
- Connectors and Backshell Material: Thermoplastic
- ROHS Compliant per Souriau Documentation
- Operating temp: -40°C to +105°C
- Quick, secure, and reliable bayonet locking system
- UTS Connectors accept TRIM TRIO® size 16 or size 20 removable snap-lock contacts
- UV resistant - Suitable for outdoor use
- Contacts ordered separately

Cable Plugs with Backshell for Pin and Socket Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Shell Size	Type	Dimensions	Price Each			
						1	10	25	50
649-UTS6JC103P	UTS6JC103P	A	10	Pin	3 x 1.6 mm	9.16	8.40	8.14	7.89
649-UTS6JC104P	UTS6JC104P	A	10	Pin	4 x 1.6 mm	9.16	8.40	8.14	7.89
649-UTS6JC106P	UTS6JC106P	A	10	Pin	6 x 1.0 mm	10.35	9.49	9.20	8.91
649-UTS6JC124P	UTS6JC124P	A	12	Pin	4 x 1.6 mm	9.45	8.66	8.40	8.14
649-UTS6JC128P	UTS6JC128P	A	12	Pin	8 x 1.6 mm	9.45	8.66	8.40	8.14
649-UTS6JC1210P	UTS6JC1210P	A	12	Pin	10 x 1.0 mm	10.62	9.74	9.44	9.15
649-UTS6JC147P	UTS6JC147P	A	14	Pin	7 x 1.6 mm	9.67	8.86	8.59	8.32
649-UTS6JC1412P	UTS6JC1412P	A	14	Pin	12 x 1.6 mm	9.67	8.86	8.59	8.32
649-UTS6JC1419P	UTS6JC1419P	A	14	Pin	19 x 1.0 mm	10.84	9.93	9.63	9.33
649-UTS6JC103S	UTS6JC103S	A	10	Socket	3 x 1.6 mm	9.16	8.40	8.14	7.89
649-UTS6JC104S	UTS6JC104S	A	10	Socket	4 x 1.6 mm	9.16	8.40	8.14	7.89
649-UTS6JC106S	UTS6JC106S	A	10	Socket	6 x 1.0 mm	10.35	9.49	9.20	8.91
649-UTS6JC124S	UTS6JC124S	A	12	Socket	4 x 1.6 mm	9.45	8.66	8.40	8.14
649-UTS6JC128S	UTS6JC128S	A	12	Socket	8 x 1.6 mm	9.45	8.66	8.40	8.14
649-UTS6JC1210S	UTS6JC1210S	A	12	Socket	10 x 1.0 mm	10.62	9.74	9.44	9.15
649-UTS6JC147S	UTS6JC147S	A	14	Socket	7 x 1.6 mm	9.67	8.86	8.59	8.32
649-UTS6JC1412S	UTS6JC1412S	A	14	Socket	12 x 1.6 mm	9.67	8.86	8.59	8.32
649-UTS6JC1419S	UTS6JC1419S	A	14	Socket	19 x 1.0 mm	10.84	9.93	9.63	9.33

Jam Nut Receptacles (Panel Version) for Pin and Socket Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Shell Size	Type	Dimensions	Price Each			
						1	10	25	50
649-UTS7103P	UTS7103P	B	10	Pin	3 x 1.6 mm	6.14	5.63	5.46	5.29
649-UTS7104P	UTS7104P	B	10	Pin	4 x 1.6 mm	6.14	5.63	5.46	5.29
649-UTS7106P	UTS7106P	B	10	Pin	6 x 1.0 mm	6.98	6.40	6.21	6.01
649-UTS7124P	UTS7124P	B	12	Pin	4 x 1.6 mm	6.21	5.69	5.52	5.35
649-UTS7128P	UTS7128P	B	12	Pin	8 x 1.6 mm	6.21	5.69	5.52	5.35
649-UTS71210P	UTS71210P	B	12	Pin	10 x 1.0 mm	7.36	6.75	6.54	6.34
649-UTS7147P	UTS7147P	B	14	Pin	7 x 1.6 mm	6.26	5.74	5.57	5.39
649-UTS71412P	UTS71412P	B	14	Pin	12 x 1.6 mm	6.26	5.74	5.57	5.39
649-UTS71419P	UTS71419P	B	14	Pin	19 x 1.0 mm	7.47	6.85	6.64	6.43
649-UTS7103S	UTS7103S	B	10	Socket	3 x 1.6 mm	6.14	5.63	5.46	5.29
649-UTS7104S	UTS7104S	B	10	Socket	4 x 1.6 mm	6.14	5.63	5.46	5.29
649-UTS7106S	UTS7106S	B	10	Socket	6 x 1.0 mm	6.98	6.40	6.21	6.01
649-UTS7124S	UTS7124S	B	12	Socket	4 x 1.6 mm	6.21	5.69	5.52	5.35
649-UTS7128S	UTS7128S	B	12	Socket	8 x 1.6 mm	6.21	5.69	5.52	5.35
649-UTS71210S	UTS71210S	B	12	Socket	10 x 1.0 mm	7.36	6.75	6.54	6.34
649-UTS7147S	UTS7147S	B	14	Socket	7 x 1.6 mm	6.26	5.74	5.57	5.39
649-UTS71412S	UTS71412S	B	14	Socket	12 x 1.6 mm	6.26	5.74	5.57	5.39
649-UTS71419S	UTS71419S	B	14	Socket	19 x 1.0 mm	7.47	6.85	6.64	6.43

Receptacle Sealing Caps and Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Shell Size	Type	Price Each			
					1	10	25	50
649-UTS10DCG	UTS10DCG	C	10	Receptacle	3.20	2.94	2.85	2.76
649-UTS12DCG	UTS12DCG	C	12	Receptacle	3.44	3.15	3.06	2.96
649-UTS14DCG	UTS14DCG	C	14	Receptacle	3.53	3.23	3.14	3.04
649-UTS610DCG	UTS610DCG	D	10	Plug	5.98	5.48	5.31	5.15
649-UTS612DCG	UTS612DCG	D	12	Plug	6.17	5.66	5.49	5.32
649-UTS614DCG	UTS614DCG	D	14	Plug	6.37	5.84	5.66	5.49

Color Coding Rings

For quantities of 100 and up, call for quote.

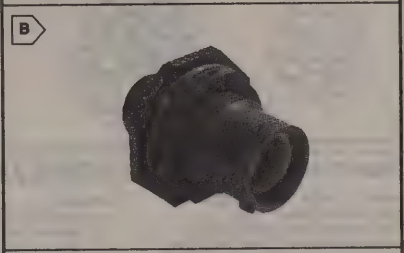
MOUSER STOCK NO.	Souriau Part No.	Shell Size	Color	Price Each			
				1	10	25	50
649-UTS710CCRG	UTS710CCRG	10	Green	.41	.38	.37	.36
649-UTS712CCRG	UTS712CCRG	12	Green	.41	.38	.37	.36
649-UTS714CCRG	UTS714CCRG	14	Green	.41	.38	.37	.36
649-UTS710CCRY	UTS710CCRY	10	Yellow	.41	.38	.37	.36
649-UTS712CCRY	UTS712CCRY	12	Yellow	.41	.38	.37	.36
649-UTS714CCRY	UTS714CCRY	14	Yellow	.41	.38	.37	.36
649-UTS710CCRR	UTS710CCRR	10	Red	.41	.38	.37	.36
649-UTS712CCRR	UTS712CCRR	12	Red	.41	.38	.37	.36
649-UTS714CCRR	UTS714CCRR	14	Red	.41	.38	.37	.36

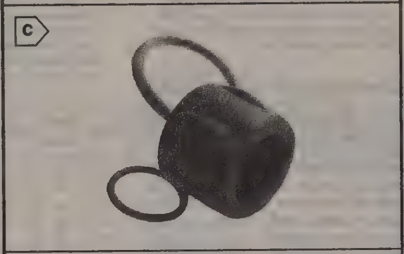
TOOLING

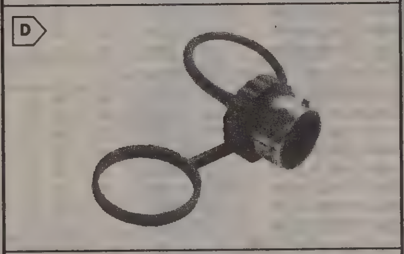
For quantities of 5 and up, call for quote.

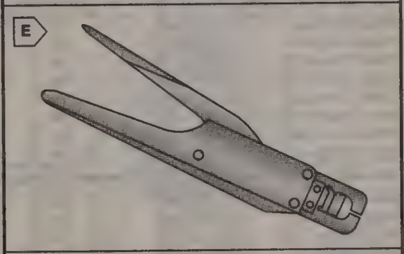
MOUSER STOCK NO.	Souriau Part No.	Fig.	Description	Price Each
649-M8ND	M8ND	E	"N" Hand Ratchet for Size 16 machined and formed contacts	850.00
649-Y14MTV	Y14MTV	F	Lightweight Crimp tool with 3 groove die set for Size 16 formed contacts	227.77
649-Y16RCM	Y16RCM	F	Lightweight Crimp tool with 3 groove die set for Size 16 machined contacts	647.26
649-RX2025GE1	RX2025GE1	G	Extraction tool	84.06

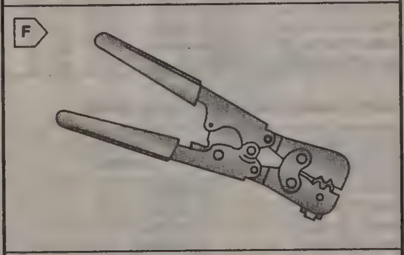
A

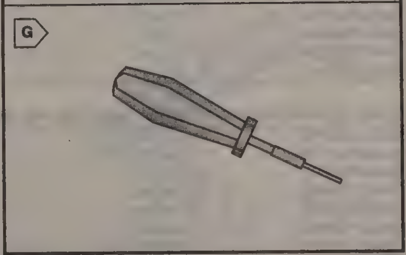

B


C


D

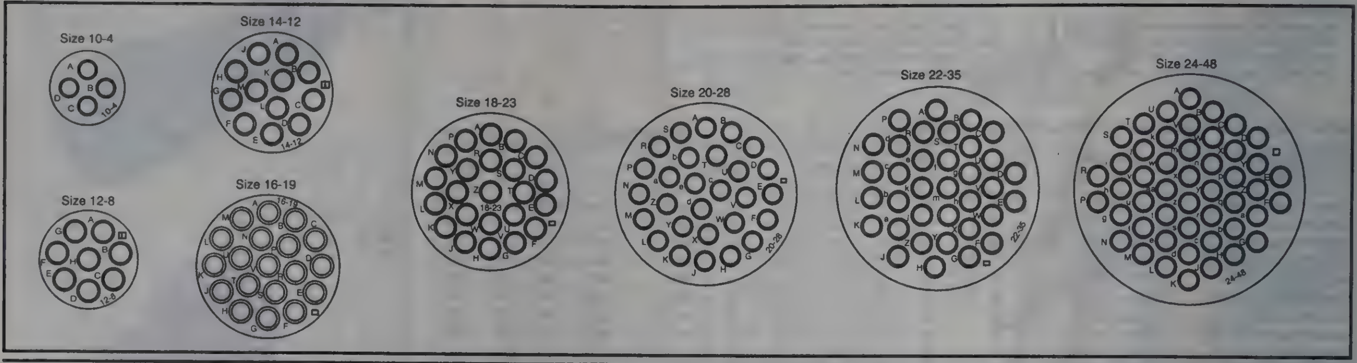

E


F


G

SOURIAU Plastic Circular Connectors

TRIM TRIO™ INSERT ARRANGEMENTS



TRIM TRIO™ UTG SERIES CIRCULAR CONNECTORS

Plastic Circular Trim Trio™ Connectors with Metal Coupling System
"UTG" Metalok Bantam plastic industrial circular connectors with metal coupling are a range of multiway connectors to provide the complete answer to the need for light weight, robust circular connectors.

Features:
- Accepts TRIM-TRIO removeable snap lock contacts; sold separately
- UL approved-file Nr.: E31151
- Metal bayonet ring:
  - Metal wave spring loaded
  - Locks with audible positive "click"
  - Assures 500 matings and unmatings
- Intermateable, interchangeable and intermountable with Trim Trio "UTO" and "UTP" industrial connector families

Materials:
- Body: Glass filled thermoplastic UL94V-0
- Color: Black
- Coupling Ring: Nickel plated brass
- Tri-locking pins: Stainless steel
- Coupling spring: Spring steel

Specifications:
- IP Degree: IP67
- Operating temperature: -55 ° C to +125 ° C
- Test potential: 2000 VAC
- Durability: 500 matings and unmatings

Cable Plugs (for Pin Contacts)

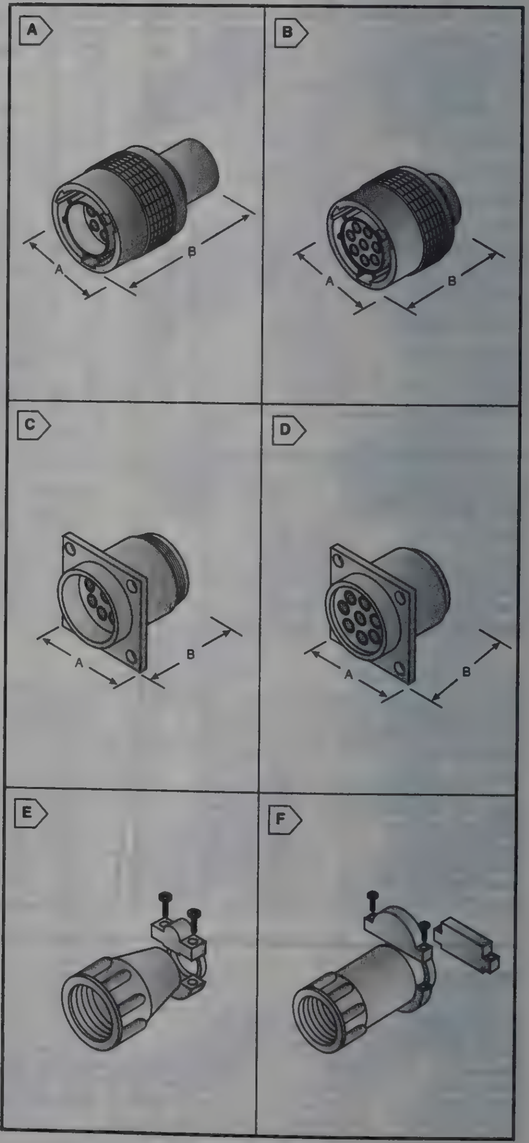
For quantities of 100 and up, call for quote.

Mouser Stock No.	Souriau Part No.	Fig.	Shell Size	Contacts	Dimensions (mm)		Price Each			
					A	B	1	10	25	50
649-UTG6104PN	UTG610-4PN	A	10	4	21.6	31.8	11.26	10.24	9.73	9.21
649-UTG612-8PN	UTG612-8PN	A	12	8	24.8	31.8	10.95	10.24	9.72	9.07
649-UTG61412PN	UTG614-12PN	A	14	12	28.0	31.8	11.07	10.24	10.01	9.16
649-UTG616-19PN	UTG616-19PN	A	16	19	31.2	31.8	13.17	11.97	11.37	10.77
649-UTG618-23PN	UTG618-23PN	A	18	23	34.3	31.8	14.30	13.00	12.35	11.70
649-UTG620-28PN	UTG620-28PN	A	20	28	27.5	31.8	16.63	15.12	14.36	13.61
649-UTG622-35PN	UTG622-35PN	A	22	35	40.7	31.8	21.46	19.51	18.53	17.56
649-UTG624-48PN	UTG624-48PN	A	24	48	43.9	31.8	21.46	19.51	18.53	17.56
Cable Plugs (for Socket Contacts)										
649-UTG610-4SN	UTG610-4SN	B	10	4	21.6	23.9	11.26	10.24	9.73	9.21
649-UTG612-8SN	UTG612-8SN	B	12	8	24.8	23.9	11.26	10.24	9.73	9.21
649-UTG614-12SN	UTG614-12SN	B	14	12	28.0	23.9	10.96	10.56	9.92	9.07
649-UTG616-19SN	UTG616-19SN	B	16	19	31.2	23.9	13.17	11.97	11.37	10.77
649-UTG618-23SN	UTG618-23SN	B	18	23	34.3	23.9	14.04	13.01	12.71	11.63
649-UTG620-28SN	UTG620-28SN	B	20	28	37.5	24.9	16.63	15.12	14.36	13.61
649-UTG622-35SN	UTG622-35SN	B	22	35	40.7	24.9	21.46	19.51	18.53	17.56
649-UTG624-48SN	UTG624-48SN	B	24	48	43.9	26.2	21.46	19.51	18.53	17.56
Wall-Mounting Receptacles (for Pin Contacts)										
649-UTG010-4P	UTG010-4P	C	10	4	23.8	31.7	5.91	5.38	5.11	4.84
649-UTG012-8P	UTG012-8P	C	12	8	26.2	31.7	6.14	5.58	5.30	5.02
649-UTG014-12P	UTG014-12P	C	14	12	28.6	31.7	6.19	5.62	5.34	5.06
649-UTG016-19P	UTG016-19P	C	16	19	31.0	31.7	7.23	6.57	6.24	5.91
649-UTG018-23P	UTG018-23P	C	18	23	33.3	31.7	7.48	6.80	6.46	6.12
649-UTG020-28P	UTG020-28P	C	20	28	36.5	33.3	9.72	8.84	8.40	7.95
649-UTG022-35P	UTG022-35P	C	22	35	39.7	33.1	10.94	9.95	9.45	8.95
649-UTG024-48P	UTG024-48P	C	24	48	42.9	33.3	11.67	10.61	10.08	9.55
Wall-Mounting Receptacles (for Socket Contacts)										
649-UTG010-4S	UTG010-4S	D	10	4	23.8	24.3	5.91	5.38	5.11	4.84
649-UTG012-8S	UTG012-8S	D	12	8	26.2	24.3	6.03	5.58	5.30	5.00
649-UTG014-12S	UTG014-12S	D	14	12	28.6	24.3	6.08	5.62	5.34	5.03
649-UTG016-19S	UTG016-19S	D	16	19	31.0	24.3	7.23	6.57	6.24	5.91
649-UTG018-23S	UTG018-23S	D	18	23	33.3	24.3	7.48	6.80	6.46	6.12
649-UTG020-28S	UTG020-28S	D	20	28	36.5	27.0	9.72	8.84	8.40	7.95
649-UTG024-48S	UTG024-48S	D	24	48	42.9	30.4	11.67	10.61	10.08	9.55

Plastic Cable Clamp with Strain Relief

For quantities of 100 and up, call for quote.

Mouser Stock No.	Souriau Part No.	Fig.	Shell Size	Price Each			
				1	10	25	50
649-UTG10AC	UTG10AC	E	10	6.03	5.48	5.21	4.93
649-UTG12AC	UTG12AC	E	12	6.28	5.71	5.42	5.14
649-UTG14AC	UTG14AC	E	14	6.00	5.74	4.88	4.07
649-UTG16AC	UTG16AC	E	16	6.80	6.18	5.87	5.56
649-UTG18AC	UTG18AC	E	18	7.12	6.47	6.14	5.82
649-UTG20AC	UTG20AC	E	20	6.60	6.00	5.50	5.08
649-UTG22AC	UTG22AC	E	22	7.00	6.36	5.83	5.38
649-UTG24AC	UTG24AC	E	24	8.41	7.64	7.26	6.88
Plastic Cable Clamp with Strain Relief Nut for Waterprotected Applications							
649-UTG10PG	UTG10PG	F	10	7.70	7.00	6.65	6.30
649-UTG12PG	UTG12PG	F	12	7.98	7.25	6.89	6.53
649-UTG14PG	UTG14PG	F	14	9.18	8.34	7.93	7.51
649-UTG16PG	UTG16PG	F	16	9.54	8.67	8.24	7.81
649-UTG18PG	UTG18PG	F	18	9.81	8.92	8.47	8.03
649-UTG22PG	UTG22PG	F	22	11.76	10.69	10.16	9.62
649-UTG24PG	UTG24PG	F	24	14.21	12.92	12.27	11.62



SOURIAU Mixed Power and Signal Circular Connectors

SOURIAU
Connection Technology

TRIM TRIO™ UTG POWER SERIES MIXED POWER AND SIGNAL CONNECTORS

Features:
- Identified grounding locations available
- Suitable for cable to box or cable to cable applications
- VDE versions available for high voltage

Specifications:
- Mixed power and signal version of the UTG series
- Current rating: up to 44 amp per contact
- Operating voltage: up to 600VDC
- Wire range: AWG 8-30

RoHS Compliant

Wall Mount Receptacles *Free Hanging Receptacle

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Shell Size	Type of Contacts	Price Each			
					1	10	25	50
649-UTG0148P24PHVDE	UTG0148P24PHVDE	A	14	Pin	7.44	6.76	6.42	6.08
649-UTG0187PHVDE34	UTG0187PHVDE34	A	18	Pin	8.47	7.70	7.32	6.93
649-UTG02411PH	UTG02411PH	A	24	Pin	17.05	15.50	14.73	13.95
649-UTG0123SH	UTG0123SH	B	12	Socket	7.19	6.54	6.21	5.89
649-UTG0187SHVDE34	UTG0187SHVDE34	B	18	Socket	8.47	7.77	7.32	6.93
* 649-UTG1103W3S	UTG1103W3S	C	10	Socket	6.47	5.88	5.59	5.29

Cable Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Shell Size	Type of Contacts	Price Each			
					1	10	25	50
649-UTG6103W3PN	UTG6103W3PN	D	10	Pin	11.11	10.10	9.60	9.09
649-UTG6123PN	UTG6123PN	D	12	Pin	11.15	10.14	9.63	9.13
649-UTG6187PNVDE34	UTG6187PNVDE34	D	18	Pin	15.47	14.06	13.36	12.65
649-UTG6148P24SNVDE	UTG6148P24SNVDE	E	14	Socket	11.20	10.18	9.67	9.16
649-UTG6187SNVDE34	UTG6187SNVDE34	E	18	Socket	15.47	14.06	13.36	12.65
649-UTG62411SN	UTG62411SN	E	24	Socket	18.59	16.90	16.06	15.21

TRIM TRIO™ POWER CONTACTS

Specifications:
- Machined power contacts provide maximum performance
- Current rating: 44amp per contact max
- Wire range: AWG 16-8

RoHS Compliant

Pins

† .30-.50 μin Gold Ni Plating
* 0.4m Gold mini all over, over Nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Contact Size	Current Rating	AWG	Price Each			
						1	10	25	50
* 649-82911437NK	82911437NK	F	12	26A	20	4.29	3.90	3.71	3.51
* 649-82911435NK	82911435NK	F	12	26A	18	4.29	3.90	3.71	3.51
* 649-82911463NK	82911463NK	F	12	26A	16	4.29	3.90	3.71	3.51
* 649-82911465NK	82911465NK	F	12	26A	14	4.29	3.90	3.71	3.51
† 649-RM12Z42D28	RM12Z42D28	F	12	26A	12	4.29	3.90	3.71	3.51
649-82911676	82911676	F	8	44A	16	5.39	4.90	4.66	4.41
649-82911680	82911680	F	8	44A	12	5.39	4.90	4.66	4.41
649-82911682	82911682	F	8	44A	10	5.39	4.90	4.66	4.41
649-82911684	82911684	F	8	44A	8	5.39	4.90	4.66	4.41

Sockets

† .30-.50 μin Gold Ni Plating
* 0.4m Gold mini all over, over Nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Contact Size	Current Rating	AWG	Price Each			
						1	10	25	50
* 649-82911436K	82911436K	G	12	26A	20	4.91	4.46	4.24	4.01
* 649-82911434K	82911434K	G	12	26A	18	4.91	4.46	4.24	4.01
* 649-82911462K	82911462K	G	12	26A	16	4.91	4.46	4.24	4.01
* 649-82911464K	82911464K	G	12	26A	14	4.91	4.46	4.24	4.00
† 649-RC12Z42D28	RC12Z42D28	G	12	26A	12	4.91	4.46	4.24	4.01
649-82911677N	82911677N	G	8	44A	16	4.88	4.44	4.22	4.00
649-82911681N	82911681N	G	8	44A	12	4.88	4.44	4.22	4.00
649-82911683N	82911683N	G	8	44A	10	4.88	4.44	4.22	4.00
649-82911685N	82911685N	G	8	44A	8	4.88	4.44	4.22	4.00

TRIM TRIO™ INLINE SPLICES

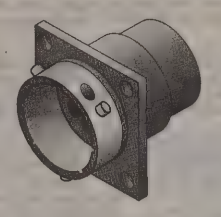
RoHS Compliant

Specifications:
- Single position, quick disconnect system for individual wires
- Accomodates any size 16 Trim Trio™ contact
- Locks w/audible positive "click"
- Disconnect force: 3-11 lbs
- Coaxial cable types: RG161, RG179, RG187, RG174, RG188, RG178, RG196, RG188, RG178, and RG196
- Ideal for individual wire installation and repairs
- Especially suited for coaxial cable connections, eliminating bulky connectors while maintaining coaxial signal integrity

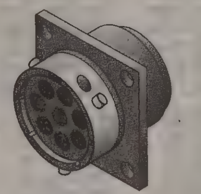
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Description	Price Each			
			1	10	25	50
649-RSMDEX-5	RSMDEX-5	Receptacle Inline Splice	1.17	1.01	.88	.83
649-RSCDEX-5	RSCDEX-5	Plug Inline Splice	1.22	1.11	1.02	.94

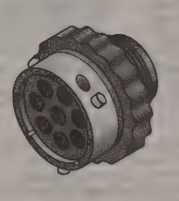
A



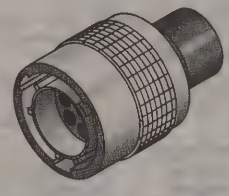
B



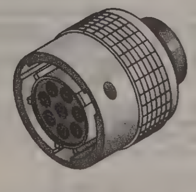
C



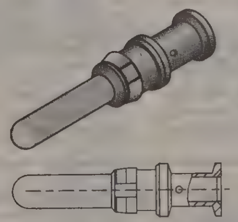
D



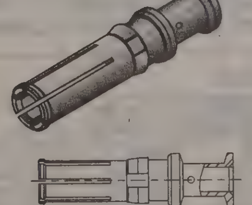
E



F



G



SOURIAU Contacts and Tooling

SOURIAU
Connection Technology

TRIM TRIO™ SIZE 16 FORMED CONTACTS

Size 16 - 1.6mm (.063") diameter contacts are two piece formed crimp snap-in pin and sockets. Any TRIM TRIO™ contact can be used in any contact position in any connector in the TRIM TRIO™ interconnection system.

Features:

- Made from high conductive copper alloy with gold or tin over nickel plate finish
- Two piece construction with dual purpose spring which serves for contact retention and protects the body against damage
- Suitable for high volumes and lower installation cost

Specifications:

- Contact body: High conductive copper alloy
- Outer spring: Stainless steel
- Current rating: 13 A

Formed Pin Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Wire Size	Plating	Insulation Diameter (mm)	Wire Strip Length (mm)	Price Each			
							1	10	25	50
649-SM16ML1S6	SM16ML1S6	A	18-16 AWG	30μ" Gold	3.0	6.35	.80	.73	.67	.62
649-SM20ML1S6	SM20ML1S6	A	22-20 AWG	30μ" Gold	1.17-2.08	4.00	.78	.71	.67	.63
649-SM16ML-1D70	SM16ML-1D70	A	18-16 AWG	5μ" Gold	3.0	6.35	.50	.45	.42	.38
649-SM20ML-1D70	SM20ML-1D70	A	22-20 AWG	5μ" Gold	1.17-2.08	4.00	.61	.54	.48	.41
649-SM14ML-1TK6	SM14ML-1TK6	A	14 AWG	Tin	3.2	6.35	.37	.32	.29	.25
649-SM16ML-1TK6	SM16ML-1TK6	A	18-16 AWG	Tin	3.0	6.35	.36	.33	.30	.27
649-SM20ML-1TK6	SM20ML-1TK6	A	22-20 AWG	Tin	1.17-2.08	4.00	.30	.27	.25	.23
649-SM24ML-1TK6	SM24ML-1TK6	A	26-24 AWG	Tin	.89-1.58	4.00	.30	.27	.25	.23

Formed Socket Contacts

649-SC14ML1S6	SC14ML1S6	B	14 AWG	30μ" Gold	3.2	6.35	.90	.82	.75	.69
649-SC16ML1S6	SC16ML1S6	B	18-16 AWG	30μ" Gold	3.0	6.35	.90	.82	.75	.69
649-SC20ML1S6	SC20ML1S6	B	22-20 AWG	30μ" Gold	1.17-2.08	4.00	.94	.90	.87	.84
649-SC24ML1S6	SC24ML1S6	B	26-24 AWG	30μ" Gold	.89-1.58	4.00	1.10	.97	.88	.79
649-SC16ML1D70	SC16ML1D70	B	18-16 AWG	5μ" Gold	3.0	3.65	.56	.51	.47	.43
649-SC20ML1D70	SC20ML1D70	B	22-20 AWG	5μ" Gold	1.17-2.08	4.00	.68	.59	.54	.49
649-SC16ML1TK6	SC16ML1TK6	B	18-16 AWG	Tin	3.0	3.65	.44	.40	.38	.36
649-SC20ML1TK6	SC20ML1TK6	B	22-20 AWG	Tin	1.17-2.08	4.00	.38	.35	.32	.29
649-SC24ML1TK6	SC24ML1TK6	B	26-24 AWG	Tin	.89-1.58	4.00	.38	.35	.32	.29

TRIM TRIO™ SIZE 16 MACHINED CONTACTS

Features:

- Made from high conductive copper alloy with gold or tin over nickel plate finish
- Any TRIM TRIO™ contact can be used in any contact position in any connector in the TRIM TRIO™ interconnection system.
- Heat-treated beryllium copper locking springs assure proper locking and alignment of contacts in the housing
- Closed entry design on RC socket contact to prevent probe damage

Specifications:

- Contact body: High conductive copper alloy
- Outer spring: Tempered, heat-treated, beryllium copper
- Inner spring socket: Tempered, heat-treated, plated beryllium copper
- Current rating: 13A

Machined Pin Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Wire Size	Plating	Maximum Wire Dia. (mm)	Maximum Insulation Dia. (mm)	Wire Strip Length	Price Each			
								1	10	25	50
649-RM20M12D28	RM20M12D28	A	22-20 AWG	30μ" Gold	1.18	2.2	4.8	2.07	1.75	1.64	1.48
649-RM16M23D28	RM16M23D28	A	20-16 AWG	30μ" Gold	1.8	3.2	7.1	1.05	.94	.91	.88

Machined Socket Contacts

649-RC28M1D28	RC28M1D28	B	30-28 AWG	30μ" Gold	0.55	1.1	4.8	3.07	2.78	2.65	2.51
649-RC24M9D28	RC24M9D28	B	26-24 AWG	30μ" Gold	0.8	1.6	4.8	3.41	3.10	2.77	2.69
649-RC20M12D28	RC20M12D28	B	22-20 AWG	30μ" Gold	1.18	2.2	4.8	2.87	2.60	2.32	2.24
649-RC16M23D28	RC16M23D28	B	20-16 AWG	30μ" Gold	1.8	3.2	7.1	2.09	1.90	1.77	1.66

TRIM TRIO™ SIZE 16 MONOCRIMP SUBMINIATURE COAXIAL CONTACTS

One Piece Contacts for Subminiature Coaxial Cables

Features:

- The monocrimp one-piece coaxial contacts offer reliability plus the economic advantage of a 95% reduction in installation time over conventional assembly methods.
- Any TRIM TRIO™ contact can be used in any contact position in any connector in the TRIM TRIO™ interconnection system.

Plating:

- Retaining spring plating: Nickel plated
- Inner and outer contacts: 0.75μ" Gold min. over Nickel

Materials:

- Inner and outer contacts: High conductive copper alloy
- Retaining spring: Beryllium copper
- Insulating bushing: Polyimide 6.6

Specifications:

- Operating temperature: -55°C + 125°C
- Isolation @ 30MHZ: 140db

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Gender	Wire Size	Cable Type	Price Each			
						1	10	25	50
649-RMDX6032D28	RMDX6032D28	C	Male	28	RG174/U	9.50	8.64	7.92	7.31
649-RMDX60-36D28	RMDX60-36D28	C	Male	26	RG188/U	9.00	8.18	7.50	6.92
649-RCDX6016D28	RCDX6016D28	D	Female	30	RG178B/U	7.00	6.36	5.83	5.38

TRIM TRIO™ MULTIPIECE SUBMINIATURE COAXIAL CONTACT KITS

For quantities of 5 and up, call for quote.

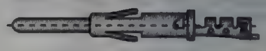
MOUSER STOCK NO.	Souriau Part No.	Fig.	Gender	Description	Price Each
649-RMDXK10D28	RMDXK10D28	E	Pin/Male	Includes RMDX602D28, RFD26L1D28, YOC074, and RMDXB0553	10.69
649-RCDXK1D28	RCDXK1D28	F	Socket/Female	Includes RCDX602D28, RMD26L1D28, YOC074, and RCDXB0551	10.50

TOOLING

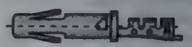
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Description	Price Each
649-M8ND	M8ND	G	"N" Hand Ratchet for Size 16 machined and formed contacts	900.80
649-Y14MTV	Y14MTV	H	Lightweight Crimp tool with 3 groove die set for Size 16 formed contacts	227.77
649-Y16RCM	Y16RCM	H	Lightweight Crimp tool with 3 groove die set for Size 16 machined contacts	647.26
649-RX2025GE1	RX2025GE1	I	Extraction tool	84.06

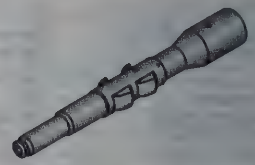
A



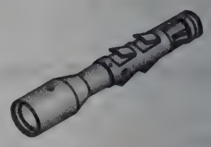
B



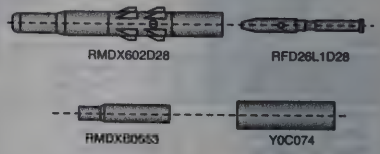
C



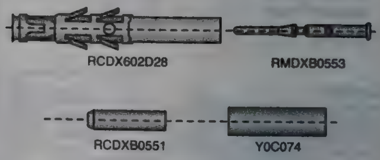
D



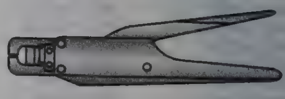
E



F



G



H

I

SOURIAU JBX Miniature Push/Pull Connectors

SOURIAU

JBX MINIATURE PUSH/PULL CONNECTORS

Designed to provide quick, reliable, high density interconnections of wire and cable.

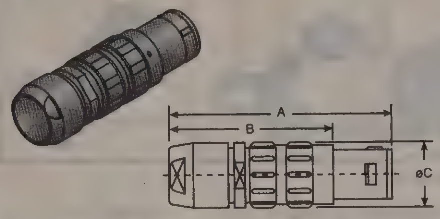
Features:

- Mechanically keyed to ensure correct polarization and alignment
- High contact density in a small space
- Contact termination in crimp or solder contacts
- Removable contacts
- Fully compatible and intermateable with Lemo's B series

Specifications:

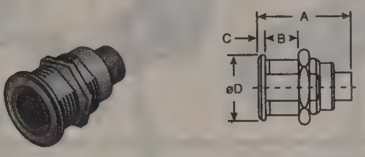
- Shell Material: Brass
- Socket Contact Material: Cupro-nickel
- Socket Plating Material: Gold
- Pin Contact Material: Brass
- Pin Plating Material: Gold
- Insulator Material: Fortron
- Shielded from 55dB up to 100 MHz
- Endurance: >1000 cycles per MIL-STD1344AD
- Temperature Range: -50°C; +125°C
- Protection Index: IP 40

Straight Cable Plug



Shell Size	Dimensions mm (IN)		
	A	B	øC
0	39 (1.536)	29 (1.142)	10 (.394)
1	45 (1.773)	34 (1.339)	12 (.472)
2	52 (2.048)	40 (1.576)	15 (.591)

Fixed Panel Receptacle



Shell Size	Dimensions mm (IN)			
	A	B	C	øD
0	19 (.748)	8 (.315)	1.2 (.047)	10 (.394)
1	21 (.827	10 (.394)	1.5 (.059)	14 (.551)
2	24 (.945)	10 (.394)	1.8 (.070)	18 (.709)

Cable Plug Solder Contacts

Shell Size	No. of Contacts	ø Contact	Wire Size	Current Rating	MOUSER STOCK NO.	Souriau Part No.	Price Each		
							1	10	25
0	2	0.9	24	10.0 A	649-JBXFD0G02MSSDSR	JBXFD0G02MSSDSR	19.36	18.39	17.42
0	3	0.9	24	8.0 A	649-JBXFD0G03MSSDSR	JBXFD0G03MSSDSR	20.48	19.46	18.43
0	4	0.7	26	7.0 A	649-JBXFD0G04MSSDSR	JBXFD0G04MSSDSR	21.56	20.48	19.40
0	5	0.7	26	6.5 A	649-JBXFD0G05MSSDSR	JBXFD0G05MSSDSR	22.92	20.84	19.80
1	3	1.3	20	12.0 A	649-JBXFD1G03MSSDSR	JBXFD1G03MSSDSR	27.54	25.04	23.79
1	4	0.9	24	10.0 A	649-JBXFD1G04MSSDSR	JBXFD1G04MSSDSR	28.97	26.34	25.02
1	5	0.9	24	9.0 A	649-JBXFD1G05MSSDSR	JBXFD1G05MSSDSR	30.38	27.62	26.24
1	6	0.7	26	7.0 A	649-JBXFD1G06MSSDSR	JBXFD1G06MSSDSR	31.81	29.92	27.47
1	7	0.7	26	7.0 A	649-JBXFD1G07MSSDSR	JBXFD1G07MSSDSR	33.22	30.20	28.69
1	8	0.7	26	7.0 A	649-JBXFD1G08MSSDSR	JBXFD1G08MSSDSR	34.65	31.50	29.93
2	5	1.3	20	14.0 A	649-JBXFD2G05MSSDSR	JBXFD2G05MSSDSR	46.53	43.30	40.19
2	7	1.3	20	11.0 A	649-JBXFD2G07MSSDSR	JBXFD2G07MSSDSR	50.42	45.84	43.55
2	10	0.9	24	8.0 A	649-JBXFD2G10MSSDSR	JBXFD2G10MSSDSR	54.34	49.40	46.93
2	12	0.7	26	7.0 A	649-JBXFD2G12MSSDSR	JBXFD2G12MSSDSR	58.23	52.94	50.29
2	16	0.7	26	6.0 A	649-JBXFD2G16MSSDSR	JBXFD2G16MSSDSR	66.04	60.04	57.04
2	19	0.7	26	5.0 A	649-JBXFD2G19MSSDSR	JBXFD2G19MSSDSR	73.88	67.16	63.80

Panel Receptacles Solder Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Price Each		
		1	10	25
649-JBXER0G02FSSDSR	JBXER0G02FSSDSR	15.53	14.12	12.94
649-JBXER0G03FSSDSR	JBXER0G03FSSDSR	16.63	15.80	14.97
649-JBXER0G04FSSDSR	JBXER0G04FSSDSR	17.77	16.83	15.94
649-JBXER0G05FSSDSR	JBXER0G05FSSDSR	20.71	18.82	17.88
649-JBXER1G03FSSDSR	JBXER1G03FSSDSR	21.82	20.73	19.64
649-JBXER1G04FSSDSR	JBXER1G04FSSDSR	23.08	21.93	20.77
649-JBXER1G05FSSDSR	JBXER1G05FSSDSR	24.32	23.10	21.89
649-JBXER1G06FSSDSR	JBXER1G06FSSDSR	25.58	24.30	23.02
649-JBXER1G07FSSDSR	JBXER1G07FSSDSR	26.30	24.87	22.80
649-JBXER1G08FSSDSR	JBXER1G08FSSDSR	31.82	26.04	23.87
649-JBXER2G05FSSDSR	JBXER2G05FSSDSR	34.29	28.75	27.23
649-JBXER2G07FSSDSR	JBXER2G07FSSDSR	38.08	32.05	30.33
649-JBXER2G10FSSDSR	JBXER2G10FSSDSR	42.11	38.28	36.37
649-JBXER2G12FSSDSR	JBXER2G12FSSDSR	46.00	41.82	39.73
649-JBXER2G16FSSDSR	JBXER2G16FSSDSR	53.81	49.92	46.47
649-JBXER2G19FSSDSR	JBXER2G19FSSDSR	61.64	56.04	53.24

Cable Plug Crimp Contacts

Shell Size	No. of Contacts	ø Contact	Wire Size	Current Rating	MOUSER STOCK NO.	Souriau Part No.	Price Each		
							1	10	25
0	2	0.9	20	10.0 A	649-JBXFD0G02MCSDSR	JBXFD0G02MCSDSR	19.36	18.39	17.42
0	3	0.9	20	8.0 A	649-JBXFD0G03MCSDSR	JBXFD0G03MCSDSR	20.48	19.46	18.43
0	4	0.7	22	7.0 A	649-JBXFD0G04MCSDSR	JBXFD0G04MCSDSR	21.56	20.48	19.40
0	5	0.7	22	6.5 A	649-JBXFD0G05MCSDSR	JBXFD0G05MCSDSR	22.66	21.53	20.39
1	3	1.3	18	12.0 A	649-JBXFD1G03MCSDSR	JBXFD1G03MCSDSR	27.54	25.04	23.79
1	4	0.9	20	10.0 A	649-JBXFD1G04MCSDSR	JBXFD1G04MCSDSR	28.97	26.34	25.02
1	5	0.9	20	9.0 A	649-JBXFD1G05MCSDSR	JBXFD1G05MCSDSR	30.38	27.62	26.24
1	6	0.7	22	7.0 A	649-JBXFD1G06MCSDSR	JBXFD1G06MCSDSR	31.81	28.92	27.47
1	7	0.7	22	7.0 A	649-JBXFD1G07MCSDSR	JBXFD1G07MCSDSR	33.22	30.20	28.69
1	8	0.7	22	7.0 A	649-JBXFD1G08MCSDSR	JBXFD1G08MCSDSR	34.65	31.50	29.93
2	10	0.9	20	8.0 A	649-JBXFD2G10MCSDSR	JBXFD2G10MCSDSR	54.34	49.40	46.93
2	12	0.7	22	7.0 A	649-JBXFD2G12MCSDSR	JBXFD2G12MCSDSR	58.23	52.94	50.29

Panel Receptacles Crimp Contacts

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Price Each		
		1	10	25
649-JBXER0G02FCSDSR	JBXER0G02FCSDSR	15.53	14.12	12.94
649-JBXER0G03FCSDSR	JBXER0G03FCSDSR	16.63	15.80	14.97
649-JBXER0G04FCSDSR	JBXER0G04FCSDSR	17.77	16.83	15.94
649-JBXER0G05FCSDSR	JBXER0G05FCSDSR	18.82	17.88	16.94
649-JBXER1G03FCSDSR	JBXER1G03FCSDSR	21.82	20.73	19.64
649-JBXER1G04FCSDSR	JBXER1G04FCSDSR	23.08	21.93	20.77
649-JBXER1G05FCSDSR	JBXER1G05FCSDSR	24.32	23.10	21.89
649-JBXER1G06FCSDSR	JBXER1G06FCSDSR	25.58	24.30	23.02
649-JBXER1G07FCSDSR	JBXER1G07FCSDSR	26.30	24.87	22.80
649-JBXER1G08FCSDSR	JBXER1G08FCSDSR	31.82	26.04	23.87
649-JBXER2G10FCSDSR	JBXER2G10FCSDSR	42.11	38.28	36.37
649-JBXER2G12FCSDSR	JBXER2G12FCSDSR	46.00	41.82	39.73

CRIMP TOOL AND POSITIONERS

Tooling

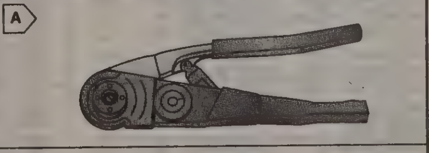
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Souriau Part No.	Fig.	Description	Price Each
649-M22520/7-01	MIL-22520/7-01	A	Crimp tool frame only	377.62

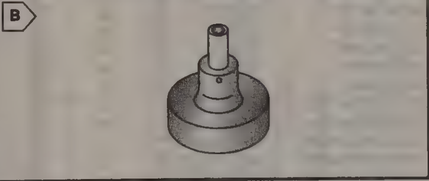
Contact Positioners for Crimp Tool Frame

MOUSER STOCK NO.	Souriau Part No.	Fig.	Shell Size	ø Contact	AWG	Price Each
649-JBX0OUTLP07	JBX0OUTLP07	B	0	0.7	22-24-26	64.73
649-JBX0OUTLP09	JBC0OUTLP09	B	0	0.9	20-22-24	66.78
649-JBX1OUTLP07	JBX1OUTLP07	B	1	0.7	22-24-26	64.73
649-JBX1OUTLP09	JBX1OUTLP09	B	1	0.9	20-22-24	66.78
649-JBX1OUTLP13	JBX1OUTLP13	B	1	1.3	18-20-22	66.78
649-JBX2OUTLP07	JBX2OUTLP07	B	2	0.7	22-24-26	66.78
649-JBX2OUTLP09	JBX2OUTLP09	B	2	0,9	20-22-24	66.78
649-JBX2OUTLP13	JBX2OUTLP13	B	2	1.3	18-20-22	66.78

A

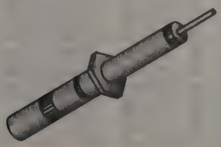


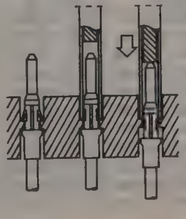
B



MANUAL EXTRACTION TOOLS

Contacts automatically extracted without pulling on the cable.





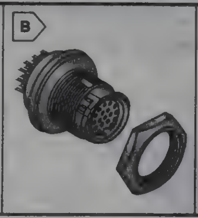
For quantities of 5 and up, call for quote.

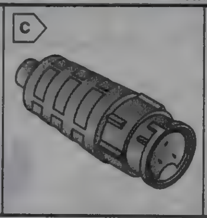
MOUSER STOCK NO.	Souriau Part No.	Shell Size	ø Contact	Price Each
649-JBXOUTDC07	JBXOUTDC07	0, 1, 2	0.7	139.42
649-JBXOUTDC09	JBXOUTDC09	0, 1, 2	0.9	139.42
649-JBXOUTDC13	JBXOUTDC13	0, 1, 2	1.3	139.42

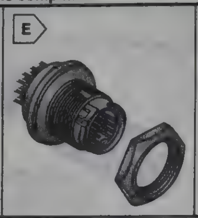
SWITCHCRAFT EN3™ Weathertight Series

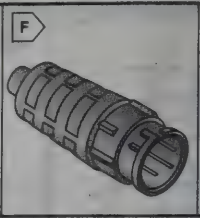
Switchcraft®

RoHS Compliant **This page of product is compliant.**





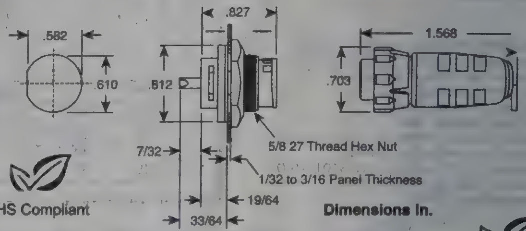




Specifications:

- Material:
  Panel connector shells and solder contact locking disk:
  Thermoplastic polymer glass fiber, flame retardant
  Connector shell interior: Thermoplastic rubber
  Contacts: Copper base alloy gold-plated over nickel underplate
- Mechanical:
  Shock: Mil-Std 202 Method 213B, condition K
  Vibration: Mil-Std 202 Method 201
  Life: 600 insertion/withdrawal cycles (minimum)
- Electrical:
  Voltage Rating (sea level): Tested at 600 VRMS
  Insulation Resistance: 100 megaohms (minimum) at 77° F
  Current rating: 13.0 Amps (#16 contact) 3 Pin
  7.5 Amps (#20 contact) 3 to 6 Pin
  6.5 Amps (#20 contact) 7 and 8 Pin
  3.0 Amps (#26 contact) 9 to 18 Pin
- Cable Diameter: .195" to .265"
- Environmental:
  Temperature Limits: -40°C to +65°C (non-operating)
  Moisture Resistance: Mil-Std 202 Method 106°F
  Insulation Resistance: Mil-Std 202 Method 302 condition B
  Thermal Shock: Mil-Std 202 Method 101D condition B
  Salt Spray: Mil-Std 202 Method 101D condition B
  Exceeds Coast Guard specifications for water tightness
  (CRF 46 Part 110.20)
- Ratings: IP16/IP18, IP66/IP68, NEMA 250 (6P)
  CFR 46 Part 110.20, UL 94V-O
- Termination: Solder cup
  9C-18C have staggered solder cups
  for easier soldering

RoHS Compliant



Dimensions In.

PROTECTIVE CAP

Covers the panel housing assembly when not in use.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Price Each			
			1	10	25	50
Cord Type						
502-EN3CAP	EN3CAP	D	1.08	.90	.82	.80

Features:

- Double-sealed for moisture & chemical resistance
- Integral O-ring and gasket is molded onto panel housing to prevent leakage and eliminate need for additional O-rings and gaskets
- Panel Connector shell has a positioning keyway to prevent misalignments and a polarizing single "D" design for proper panel mounting and prevents rotational movement
- Abrasion-resistant thermoplastic boot provides strain relief and accepts cable diameter .195" to .265".
- RoHS compliance per Switchcraft documentation

Applications:

- Process Control
- Marine Electronics
- Medical Instrumentation
- Geothermal Instrumentation
- Communication
- General Industrial Electronics

Fig.	Mates with Fig.
A	E & F
B	G
C	G

PROTECTIVE BOOT

RoHS Compliant

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Price Each			
			1	10	25	50
502-EN3BOOT	EN3BOOT	- -	.35	.32	.30	.28

SOCKET TYPE (FEMALE)

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Contact Positions	Contact Size	Price Each			
					1	10	25	50
Cord Type								
502-EN3C3F16	EN3C3F16	A	3	16	6.09	5.54	5.26	4.99
502-EN3C2F	EN3C2F	A	2	20	4.16	3.78	3.59	3.40
502-EN3C3F	EN3C3F	A	3	20	5.24	4.76	4.52	4.28
502-EN3C4F	EN3C4F	A	4	20	6.62	5.87	5.35	4.89
502-EN3C5F	EN3C5F	A	5	20	8.12	7.38	7.01	6.64
502-EN3C6F	EN3C6F	A	6	20	8.80	7.81	7.10	6.50
502-EN3C7F	EN3C7F	A	7	20	10.49	9.54	9.06	8.59
502-EN3C8F	EN3C8F	A	8	20	10.38	9.44	8.91	8.17
502-EN3C9F26S	EN3C9F26S	A	9	26	15.49	14.08	13.38	12.67
502-EN3C10F26S	EN3C10F26S	A	10	26	16.94	15.40	14.63	13.86
502-EN3C11F26S	EN3C11F26S	A	11	26	18.26	16.60	15.77	14.94
502-EN3C12F26S	EN3C12F26S	A	12	26	19.69	17.90	17.01	16.11
502-EN3C13F26S	EN3C13F26S	A	13	26	21.10	19.18	18.22	17.26
502-EN3C14F26S	EN3C14F26S	A	14	26	22.57	20.52	19.49	18.47
502-EN3C15F26S	EN3C15F26S	A	15	26	23.96	21.78	20.69	19.60
502-EN3C16F26S	EN3C16F26S	A	16	26	25.30	23.00	21.85	20.70
502-EN3C17F26S	EN3C17F26S	A	17	26	26.77	24.34	23.12	21.91
502-EN3C18F26S	EN3C18F26S	A	18	26	28.12	25.56	24.28	23.00
Panel Type								
502-EN3P3F16	EN3P3F16	B	3	16	6.78	6.16	5.85	5.54
502-EN3P2F	EN3P2F	B	2	20	4.11	3.74	3.55	3.37
502-EN3P3F	EN3P3F	B	3	20	5.09	4.56	4.13	3.98
502-EN3P4F	EN3P4F	B	4	20	6.25	5.59	5.09	4.65
502-EN3P5F	EN3P5F	B	5	20	7.00	6.36	6.04	5.72
502-EN3P6F	EN3P6F	B	6	20	8.51	7.74	7.35	6.97
502-EN3P9F26S	EN3P9F26S	B	9	26	14.61	13.28	12.62	11.95
502-EN3P10F26S	EN3P10F26S	B	10	26	12.72	11.56	10.98	10.40
502-EN3P11F26S	EN3P11F26S	B	11	26	17.34	15.76	14.97	14.18
502-EN3P12F26S	EN3P12F26S	B	12	26	18.70	17.00	16.15	15.30
502-EN3P13F26S	EN3P13F26S	B	13	26	20.15	18.32	17.40	16.49
502-EN3P14F26S	EN3P14F26S	B	14	26	21.58	19.62	18.64	17.66
502-EN3P15F26S	EN3P15F26S	B	15	26	22.97	20.88	19.84	18.79
502-EN3P16F26S	EN3P16F26S	B	16	26	24.31	22.10	21.00	19.89
502-EN3P17F26S	EN3P17F26S	B	17	26	25.78	23.44	22.27	21.10
502-EN3P18F26S	EN3P18F26S	B	18	26	27.17	24.70	23.47	22.23
In-Line Cord Type								
502-EN3L3F16	EN3L3F16	C	3	16	5.94	5.40	5.13	4.86
502-EN3L3F	EN3L3F	C	3	20	5.70	5.18	4.92	4.66
502-EN3L4F	EN3L4F	C	4	20	6.47	5.88	5.59	5.29
502-EN3L5F	EN3L5F	C	5	20	7.04	6.40	6.08	5.76
502-EN3L6F	EN3L6F	C	6	20	9.00	8.18	7.77	7.36

RoHS Compliant

PIN TYPE (MALE)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Switchcraft Part No.	Fig.	Contact Positions	Contact Size	Price Each			
					1	10	25	50
Panel Type								
502-EN3P3M16	EN3P3M16	E	3	16	4.00	3.64	3.46	3.28
502-EN3P2M	EN3P2M	E	2	20	3.12	2.84	2.62	2.41
502-EN3P3M	EN3P3M	E	3	20	3.60	3.26	3.08	2.82
502-EN3P4M	EN3P4M	E	4	20	4.40	3.93	3.57	3.27
502-EN3P5M	EN3P5M	E	5	20	5.06	4.60	4.37	4.14
502-EN3P6M	EN3P6M	E	6	20	5.39	4.90	4.66	4.41
502-EN3P7M	EN3P7M	E	7	20	7.88	7.16	6.80	6.44
502-EN3P8M	EN3P8M	E	8	20	6.79	5.68	5.21	4.81
502-EN3P9M26S	EN3P9M26S	E	9	26	9.31	8.46	8.04	7.61
502-EN3P10M26S	EN3P10M26S	E	10	26	10.05	9.14	8.68	8.23
502-EN3P11M26S	EN3P11M26S	E	11	26	10.89	9.90	9.41	8.91
502-EN3P12M26S	EN3P12M26S	E	12	26	11.59	10.54	10.01	9.49
502-EN3P13M26S	EN3P13M26S	E	13	26	12.28	11.16	10.60	10.04
502-EN3P14M26S	EN3P14M26S	E	14	26	13.11	11.92	11.32	10.73
502-EN3P15M26S	EN3P15M26S	E	15	26	13.86	12.60	11.97	11.34
502-EN3P16M26S	EN3P16M26S	E	16	26	14.70	13.36	12.69	12.02
502-EN3P17M26S	EN3P17M26S	E	17	26	15.44	14.04	13.34	12.64
502-EN3P18M26S	EN3P18M26S	E	18	26	16.19	14.72	13.98	13.25
In-Line Cord Type								
502-EN3L3M16	EN3L3M16	F	3	16	4.27	3.88	3.69	3.49
502-EN3L2M	EN3L2M	F	2	20	3.10	2.82	2.68	2.54
502-EN3L3M	EN3L3M	F	3	20	4.16	3.78	3.59	3.40
502-EN3L4M	EN3L4M	F	4	20	4.71	4.28	4.07	3.85
502-EN3L5M	EN3L5M	F	5	20	6.78	6.16	5.85	5.54
502-EN3L6M	EN3L6M	F	6	20	7.52	6.84	6.50	6.16
502-EN3L8M	EN3L8M	F	8	20	9.26	8.42	8.00	7.58
Cord Type								
502-EN3C3M16	EN3C3M16	G	3	16	4.44	4.04	3.84	3.64
502-EN3C2M	EN3C2M	G	2	20	4.51	4.10	3.90	3.69
502-EN3C3M	EN3C3M	G	3	20	4.22	3.55	3.23	2.96
502-EN3C4M	EN3C4M	G	4	20	4.33	3.94	3.74	3.50
502-EN3C5M	EN3C5M	G	5	20	4.24	4.04	3.93	3.74
502-EN3C6M	EN3C6M	G	6	20	6.18	4.77	4.37	4.00
502-EN3C9M26S	EN3C9M26S	G	9	26	9.90	9.00	8.55	8.10
502-EN3C10M26S	EN3C10M26S	G	10	26	10.85	9.86	9.37	8.87
502-EN3C11M26S	EN3C11M26S	G	11	26	9.26	8.42	8.00	7.58
502-EN3C12M26S	EN3C12M26S	G	12	26	12.47	11.34	10.77	10.21
502-EN3C13M26S	EN3C13M26S	G	13	26	13.22	12.02	11.42	10.82
502-EN3C14M26S	EN3C14M26S	G	14	26	13.97	12.70	12.07	11.43
502-EN3C15M26S	EN3C15M26S	G	15	26	14.81	13.46	12.79	12.11
502-EN3C16M26S	EN3C16M26S	G	16	26	15.60	14.18	13.47	12.76
502-EN3C17M26S	EN3C17M26S	G	17	26	16.39	14.90	14.16	13.41
502-EN3C18M26S	EN3C18M26S	G	18	26	17.23	15.66	14.88	14.09

Gore-Shield® Die Cut Connector Gaskets

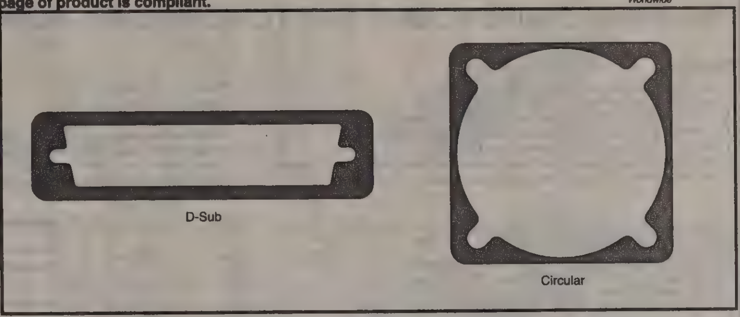
RoHS Compliant **This page of product is compliant.**

GORE
Creative Technologies Worldwide

DIE CUT CONNECTOR GASKETS

Features:
- Gore-Shield Gaskets replace non-conductive rubber seals.
- Excellent EMI Seal between Connector Flange and Mounting Panel.
- Standard Thickness is .508mm (0.02").
- Available in 2 Grades - GS500 for commercial applications and
- GS2100 for military/aerospace applications.
- Both Grades meet UL94 V-0.
- Conformable gaskets are silicone free.

RoHS Compliant



MOUSER STOCK NO.	Gore Part No.	Connector Type	Series	Shell Size	Thickness (mm)	Price Each			
						1	25	100	250
Die Cut Circular Gaskets - GS500									
880-EC05020NCC501508	EDC-05-020-NCC-501508	5015	- - -	8	0.508	.73	.48	.44	.40
880-EC05040NCC501508	EDC-05-040-NCC-501508	5015	- - -	8	1.016	.83	.55	.50	.45
880-EC05020NCC501510	EDC-05-020-NCC-501510	5015	- - -	10	0.508	.73	.48	.44	.40
880-EC05040NCC501510	EDC-05-040-NCC-501510	5015	- - -	10	1.016	.83	.55	.50	.45
880-EC05020NCC501512	EDC-05-020-NCC-501512	5015	- - -	12	0.508	1.19	.79	.72	.65
880-EC05040NCC501512	EDC-05-040-NCC-501512	5015	- - -	12	1.016	1.38	.91	.83	.75
880-EC05020NCC501514	EDC-05-020-NCC-501514	5015	- - -	14	0.508	1.19	.79	.72	.65
880-EC05040NCC501514	EDC-05-040-NCC-501514	5015	- - -	14	1.016	1.38	.91	.83	.75
880-EC05020NCC501516	EDC-05-020-NCC-501516	5015	- - -	16	0.508	1.31	.87	.79	.72
880-EC05040NCC501516	EDC-05-040-NCC-501516	5015	- - -	16	1.016	1.55	1.03	.94	.85
880-EC05020NCC501524	EDC-05-020-NCC-501524	5015	- - -	24	0.508	2.66	1.77	1.61	1.46
880-EC05040NCC501524	EDC-05-040-NCC-501524	5015	- - -	24	1.016	3.06	2.04	1.85	1.68
880-EC05020NCC389111	EDC-05-020-NCC-389111	38999	I, II, & IV	11/12	0.508	1.38	.91	.83	.75
880-EC05020NCC389311	EDC-05-020-NCC-389311	38999	III	11/12	0.508	1.38	.91	.83	.75
880-EC05040NCC389111	EDC-05-040-NCC-389111	38999	I, II, & IV	11/12	1.016	1.41	.94	.85	.77
880-EC05040NCC389311	EDC-05-040-NCC-389311	38999	III	11/12	1.016	1.41	.94	.85	.77
880-EC05020NCC389113	EDC-05-020-NCC-389113	38999	I, II, & IV	13/14	0.508	1.38	.91	.83	.75
880-EC05020NCC389313	EDC-05-020-NCC-389313	38999	III	13/14	0.508	1.38	.91	.83	.75
880-EC05040NCC389113	EDC-05-040-NCC-389113	38999	I, II, & IV	13/14	1.016	1.41	.94	.85	.77
880-EC05040NCC389313	EDC-05-040-NCC-389313	38999	III	13/14	1.016	1.41	.94	.85	.77
880-EC05020NCC389115	EDC-05-020-NCC-389115	38999	I, II, & IV	15/16	0.508	1.47	.98	.89	.81
880-EC05020NCC389315	EDC-05-020-NCC-389315	38999	III	15/16	0.508	1.47	.98	.89	.81
880-EC05040NCC389115	EDC-05-040-NCC-389115	38999	I, II, & IV	15/16	1.016	1.55	1.03	.94	.85
880-EC05040NCC389315	EDC-05-040-NCC-389315	38999	III	15/16	1.016	1.55	1.03	.94	.85
880-EC05020NCC389117	EDC-05-020-NCC-389117	38999	I, II, & IV	17/18	0.508	2.31	1.54	1.40	1.27
880-EC05020NCC389317	EDC-05-020-NCC-389317	38999	III	17/18	0.508	2.31	1.54	1.40	1.27
880-EC05040NCC389117	EDC-05-040-NCC-389117	38999	I, II, & IV	17/18	1.016	2.38	1.58	1.44	1.31
880-EC05040NCC389317	EDC-05-040-NCC-389317	38999	III	17/18	1.016	2.38	1.58	1.44	1.31
880-EC05020NCC389119	EDC-05-020-NCC-389119	38999	I, II, & IV	19/20	0.508	2.53	1.68	1.53	1.39
880-EC05020NCC389319	EDC-05-020-NCC-389319	38999	III	19/20	0.508	2.53	1.68	1.53	1.39
880-EC05040NCC389119	EDC-05-040-NCC-389119	38999	I, II, & IV	19/20	1.016	2.61	1.74	1.58	1.44
880-EC05040NCC389319	EDC-05-040-NCC-389319	38999	III	19/20	1.016	2.61	1.74	1.58	1.44
Die Cut D-Sub Gaskets - GS500									
880-EC05020NCC00D009	EDC-05-020-NCC-00D009	D-Sub	- - -	9 Pin	0.508	.65	.43	.39	.35
880-EC05020NCC00D015	EDC-05-020-NCC-00D015	D-Sub	- - -	15 Pin	0.508	.76	.51	.46	.42
880-EC05020NCC00D025	EDC-05-020-NCC-00D025	D-Sub	- - -	25 Pin	0.508	1.01	.67	.61	.55
Die Cut Circular Gaskets - GS2100									
880-EC21020NCM501508	EDC-21-020-NCM-501508	5015	- - -	8	0.508	1.18	.78	.71	.65
880-EC21040NCM501508	EDC-21-040-NCM-501508	5015	- - -	8	1.016	1.22	.82	.74	.67
880-EC21020NCM501510	EDC-21-020-NCM-501510	5015	- - -	10	0.508	1.18	.78	.71	.65
880-EC21040NCM501510	EDC-21-040-NCM-501510	5015	- - -	10	1.016	1.22	.82	.74	.67
880-EC21020NCM501512	EDC-21-020-NCM-501512	5015	- - -	12	0.508	1.93	1.28	1.16	1.06
880-EC21040NCM501512	EDC-21-040-NCM-501512	5015	- - -	12	1.016	1.97	1.31	1.19	1.08
880-EC21020NCM501514	EDC-21-020-NCM-501514	5015	- - -	14	0.508	1.93	1.28	1.16	1.06
880-EC21040NCM501514	EDC-21-040-NCM-501514	5015	- - -	14	1.016	2.00	1.33	1.21	1.10
880-EC21020NCM501516	EDC-21-020-NCM-501516	5015	- - -	16	0.508	2.16	1.44	1.31	1.19
880-EC21040NCM501516	EDC-21-040-NCM-501516	5015	- - -	16	1.016	2.26	1.50	1.37	1.25
880-EC21020NCM501524	EDC-21-020-NCM-501524	5015	- - -	24	0.508	4.32	2.88	2.62	2.38
880-EC21040NCM501524	EDC-21-040-NCM-501524	5015	- - -	24	1.016	4.52	3.01	2.74	2.48
880-EC21020NCM389111	EDC-21-020-NCM-389111	38999	I, II, & IV	11/12	0.508	1.97	1.31	1.19	1.08
880-EC21020NCM389311	EDC-21-020-NCM-389311	38999	III	11/12	0.508	1.97	1.31	1.19	1.08
880-EC21040NCM389111	EDC-21-040-NCM-389111	38999	I, II, & IV	11/12	1.016	2.09	1.39	1.26	1.14
880-EC21040NCM389311	EDC-21-040-NCM-389311	38999	III	11/12	1.016	2.09	1.39	1.26	1.14
880-EC21020NCM389113	EDC-21-020-NCM-389113	38999	I, II, & IV	13/14	0.508	2.00	1.33	1.21	1.10
880-EC21020NCM389313	EDC-21-020-NCM-389313	38999	III	13/14	0.508	2.00	1.33	1.21	1.10
880-EC21040NCM389113	EDC-21-040-NCM-389113	38999	I, II, & IV	13/14	1.016	2.09	1.39	1.26	1.14
880-EC21040NCM389313	EDC-21-040-NCM-389313	38999	III	13/14	1.016	2.09	1.39	1.26	1.14
880-EC21020NCM389115	EDC-21-020-NCM-389115	38999	I, II, & IV	15/16	0.508	2.16	1.44	1.31	1.19
880-EC21020NCM389315	EDC-21-020-NCM-389315	38999	III	15/16	0.508	2.16	1.44	1.31	1.19
880-EC21040NCM389115	EDC-21-040-NCM-389115	38999	I, II, & IV	15/16	1.016	2.26	1.50	1.37	1.25
880-EC21040NCM389315	EDC-21-040-NCM-389315	38999	III	15/16	1.016	2.26	1.50	1.37	1.25
880-EC21020NCM389117	EDC-21-020-NCM-389117	38999	I, II, & IV	17/18	0.508	3.38	2.26	2.05	1.86
880-EC21020NCM389317	EDC-21-020-NCM-389317	38999	III	17/18	0.508	3.38	2.26	2.05	1.86
880-EC21040NCM389117	EDC-21-040-NCM-389117	38999	I, II, & IV	17/18	1.016	3.53	2.35	2.14	1.94
880-EC21040NCM389317	EDC-21-040-NCM-389317	38999	III	17/18	1.016	3.53	2.35	2.14	1.94
880-EC21020NCM389119	EDC-21-020-NCM-389119	38999	I, II, & IV	19/20	0.508	3.73	2.48	2.26	2.05
880-EC21020NCM389319	EDC-21-020-NCM-389319	38999	III	19/20	0.508	3.73	2.48	2.26	2.05
880-EC21040NCM389119	EDC-21-040-NCM-389119	38999	I, II, & IV	19/20	1.016	3.89	2.59	2.35	2.14
880-EC21040NCM389319	EDC-21-040-NCM-389319	38999	III	19/20	1.016	3.89	2.59	2.35	2.14
Die Cut D-Sub Gaskets - GS2100									
880-EC21020NCM00D009	EDC-21-020-NCM-00D009	D-Sub	- - -	9 Pin	0.508	.90	.60	.54	.49
880-EC21020NCM00D015	EDC-21-020-NCM-00D015	D-Sub	- - -	15 Pin	0.508	1.14	.76	.68	.62
880-EC21020NCM00D025	EDC-21-020-NCM-00D025	D-Sub	- - -	25 Pin	0.508	1.50	1.00	.90	.82

7E50 SERIES COMPACTFLASH™ TYPE II CARD HEADERS - SURFACE MOUNT

NEW FROM SUPPLIER

Features:

- RoHS Compliant per 3M documentation
- Mate with CompactFlash™ Type I and Type II cards
- Meets CFA standards for known compatibility and reliability
- Extended guide rails enable accurate and easy card insertion
- Guide rail ESD clip contacts board ground pads
- Single row surface mount solder tails facilitate auto placement and IR soldering
- Insulation Material: High Temperature Thermoplastic
- Flammability: UL94V-0
- Contact Material: Copper Alloy
- Current Rating: 0.5 A
- Insulation Resistance: 10^3 MΩ min. at 500 VDC
- Withstanding Voltage: 500 VAC for 1 minute
- Temperature Rating: -40°C to +85°C
- Process Rating: Maximum 260°C (per J-STD-020C)

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Type	Plating	Board Standoff	Price Each		
						1	25	50
With Metal Brace								
517-N7E50-M516B-40-W	N7E50-M516RB-40-WF	A	Normal Type	30µ" Gold	- - -	4.06	3.71	3.51
517-N7E50-M516B-50-W	N7E50-M516RB-50-WF	A	Normal Type	30µ" Gold	2.00 mm	4.06	3.71	3.51
517-N7E50-N56B-4-W	N7E50-N516RB-40-WF	A	Inverse Type	30µ" Gold	- - -	4.06	3.71	3.51
517-N7E50-N516B-50-W	N7E50-N516RB-50-WF	A	Inverse Type	30µ" Gold	2.00 mm	3.79	3.52	3.33
Without Metal Brace								
517-N7E50-Q516B-40-W	N7E50-Q516RB-40-WF	B	Normal Type	30µ" Gold	- - -	3.95	3.61	3.42
517-N7E50-Q516B-50-W	N7E50-Q516RB-50-WF	B	Normal Type	30µ" Gold	2.00 mm	3.95	3.61	3.42
517-N7E50-R516B-50-W	N7E50-R516RB-50-WF	B	Inverse Type	30µ" Gold	2.00 mm	3.95	3.61	3.42
Ejectors								
517-7E50-B716-05	7E50-B716-05	C	CFII NRIL Latching			3.35	2.70	2.28
517-7E50-B516-05	7E50-B516-05	D	CFII Dual Push			2.66	2.13	2.05
517-N7E50N516RB40WFA	N7E50-N516RB-40-WFA	E	CFII HDR w/Attached Eject			6.76	6.44	6.12
Accessories								
517-7E50-B316-04	7E50-B316-04	- -	Ejector Button Assembly			.85	.65	.55

SD™ AND MICROSD™ CONNECTORS

NEW FROM SUPPLIER

Features:

- Low Profile
- Smooth push-push eject mechanism
- Card Polarization
- Card detect indicator
- Metal-shielded cover

Specifications:

- High Temperature Thermoplastic
- Flammability: UL 94V-0
- Contact Material: Copper Alloy
- Current Rating: 0.5A
- RoHS compliant per 3M documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each		
				1	25	50
517-2908-05WB-MG	2908-05WB-MG	F	microSD™, 8P Surface Mount	1.13	.98	.95
517-SD-RSMT-2-MQ	SD-RSMT-2-MQ	G	SD™, Right Angle Surface Mount	1.16	1.06	.97

2MM METPAK™ CP2 PRESS-FIT HEADERS AND SOCKETS

Specifications:

- Designed according to IEC 61076-4-101 and IEC 917 standards
- Meets CompactPCI application requirements
- "Eye of the needle" compliant pen press-fit design
- Insulation material: Glass Filled Polyester (PBT)
- Current rating: 1A at +70°C
- Temperature rating: -55°C to +125°C
- Contact material: Copper alloy
- Plating: 30µ" Gold

CP2 Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Rows	No. of Contacts	Style	Termi-nation	Plating	Price Each			
								1	10	25	50
Type A Socket											
517-CP2-SA110-G1	CP2-SA110-G1-TG30	H	5	110	Right Angle	Press-Fit	30 µ" Gold	7.36	6.76	6.22	6.05
Type B Socket											
517-CP2-SB110-G1	CP2-SB110-G1-TG30	I	5	110	Right Angle	Press-Fit	30 µ" Gold	7.65	7.00	6.44	6.27
Coding Keys (RAL#: 1021)											
517-CP2-K1278CY-F	CP2-K1278-CY-F		Socket Key - Cadmium Yellow					.35	.29	.28	.27
517-CP2-K3456CY-M	CP2-K3456-CY-M		Header Key - Cadmium Yellow					.35	.29	.28	.27

2MM METPAK™ MP2 FUTURE BUS HEADERS AND SOCKETS

Specifications:

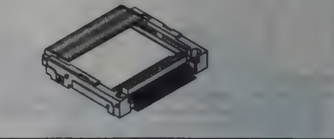
- Futurebus+® compatible
- End-to-end stackable
- Insulation material: High Temp LCP
- Color: Beige
- Contact material: Copper alloy
- Current rating: Signal: 1.5A
- Temperature rating: -55°C to +125°C

MP2 Series

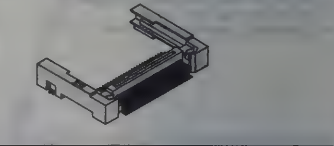
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Rows	No. of Contacts	Style	Termi-nation	Plating	Price Each			
								1	10	25	50
Headers (Contact material: Phospher bronze)											
517-MP2-H024-41P1S	MP2-H024-41P1-S-TG30	J	4	24	Vertical	Press-Fit	30 µ" Gold	1.24	1.14	1.03	.94
517-MP2-H030-51P1S	MP2-H030-51P1-S-TG30	J	5	30	Vertical	Press-Fit	30 µ" Gold	1.41	1.29	1.17	1.07
Inverse Headers											
517-MP2-PS030-51S1	MP2-PS030-51S1-TR30	K	5	30	Stacking	Solder Tail	3 µ" Gold	3.40	2.83	2.59	2.39
517-MP2-P030-51M1	MP2-P030-51M1-TR30	L	5	30	Right Angle	Solder Tail	3 µ" Gold	3.18	2.62	2.41	2.22
Sockets											
517-MP2-S024-51M1C	MP2-S030-51M1-C-TG30	M	5	30	Right Angle	Solder Tail	30 µ" Gold	1.55	1.45	1.31	1.29
Power Sockets											
517-MP2-SP08-41M1	MP2-SP08-41M1-TR30	N	4	8	Right Angle	Solder Tail	3 µ" Gold	2.69	2.45	2.28	2.06
517-MP2-SP10-51M1	MP2-SP10-51M1-TR30	N	5	10	Right Angle	Solder Tail	3 µ" Gold	3.32	3.13	2.97	2.85
Inverse Sockets											
517-MP2-R030-51P1	MP2-R030-51P1-TR30	O	5	30	Vertical	Press-Fit	3 µ" Gold	2.99	2.74	2.55	2.30

A

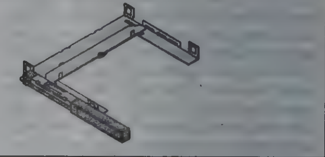


B

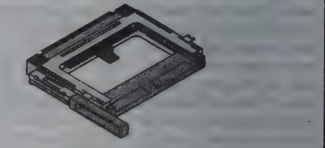


C

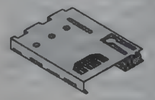
D



E

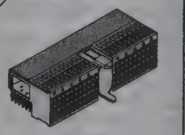


F

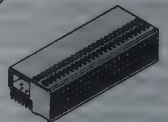


G

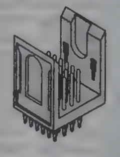
H



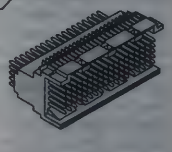
I



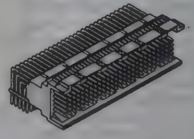
J



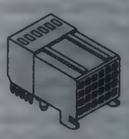
K



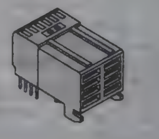
L



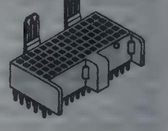
M



N



O



3M™ Card Edge and DIN Connectors

.100" PAK 100 CARD EDGE CONNECTORS

- Reinforced card-edge resists mouth bowing for consistent contact performance
- Metal cover clips provide superior cover retention
- Bifurcated contacts provide reliable contact with PC boards
- Insulation Material: Glass filled polyester (PBT)
- Flammability: UL 94V-0
- Color: Gray
- Contact Material: Copper alloy
- Contact Plating: 30μ" Gold, Type II, Grade C
- Wire Accommodation: 26 and 28 AWG solid or stranded
- Cable Conductor Pitch: .050" (1.27mm)
- Current Rating: 1 A
- Insulation Resistance: >1 x 10^9 at 500 VDC
- Withstanding Voltage: 1000 Vrms at sea level
- Temperature Rating: -55°C to +105°C
- RoHS compliant per 3M documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	25	50	100
With Drilled Mounting Flanges								
517-3358-0000	3358-0000	A	10	Card-Edge to Flat Cable	**5.10**	**4.66**	**4.41**	**4.29**
517-3461-0000	3461-0000	A	20	Card-Edge to Flat Cable	**6.64**	**6.06**	**5.75**	**5.59**
517-3462-0000	3462-0000	A	26	Card-Edge to Flat Cable	**8.05**	**6.77**	**6.58**	**6.11**
517-3463-0000	3463-0000	A	34	Card-Edge to Flat Cable	**8.56**	**7.21**	**7.01**	**6.50**
517-3666-0000	3666-0000	A	60	Card-Edge to Flat Cable	**13.48**	**11.34**	**11.02**	**10.23**
517-3403-0000	3403-0000	A	64	Card-Edge to Flat Cable	**13.12**	**11.04**	**10.55**	**9.96**
Without Mounting Flanges								
517-3358-0001	3358-0001	B	10	Card-Edge to Flat Cable	**5.10**	**4.66**	**4.41**	**4.29**
517-3368-0001	3368-0001	B	16	Card-Edge to Flat Cable	**6.26**	**5.26**	**5.10**	**4.75**
517-3461-0001	3461-0001	B	20	Card-Edge to Flat Cable	**6.64**	**6.06**	**5.75**	**5.59**
517-3462-0001	3462-0001	B	26	Card-Edge to Flat Cable	**8.05**	**6.77**	**6.58**	**6.11**
517-3463-0001	3463-0001	B	34	Card-Edge to Flat Cable	**8.56**	**7.21**	**7.01**	**6.50**
517-3464-0001	3464-0001	B	40	Card-Edge to Flat Cable	**9.40**	**7.91**	**7.69**	**7.14**
517-3415-0001	3415-0001	B	50	Card-Edge to Flat Cable	**11.67**	**10.65**	**10.10**	**9.82**
517-3403-0001	3403-0001	B	64	Card-Edge to Flat Cable	**13.12**	**11.04**	**10.73**	**9.96**
With Slotted Mounting Flanges								
517-3358-0002	3358-0002	C	10	Card-Edge to Flat Cable	**5.10**	**4.28**	**4.05**	**3.87**
517-3368-0002	3368-0002	C	16	Card-Edge to Flat Cable	**6.26**	**5.26**	**5.05**	**4.75**
517-3461-0002	3461-0002	C	20	Card-Edge to Flat Cable	**6.64**	**6.06**	**5.75**	**5.59**
517-3462-0002	3462-0002	C	26	Card-Edge to Flat Cable	**8.05**	**6.77**	**6.58**	**6.11**
517-3463-0002	3463-0002	C	34	Card-Edge to Flat Cable	**8.56**	**7.21**	**7.01**	**6.50**

CARD-EDGE ACCESSORIES

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each			
				1	25	50	100
Strain Reliefs							
517-3448-52	3448-52	D	10 Pin Strain Relief	**1.83**	**1.54**	**1.50**	**1.39**
517-3448-54	3448-54	D	20 Pin Strain Relief	**1.83**	**1.54**	**1.44**	**1.39**
517-3448-55	3448-55	D	26 Pin Strain Relief	**1.71**	**1.43**	**1.40**	**1.29**
517-3448-56	3448-56	D	34 Pin Strain Relief	**1.46**	**1.22**	**1.16**	**1.10**
517-3448-58	3448-58	D	50 Pin Strain Relief	**1.83**	**1.54**	**1.50**	**1.39**
Pull Tabs							
517-3490-1	3490-1	E	For 10 pin card-edge connectors	**.21**	**.20**	**.19**	**.18**
517-3490-2	3490-2	E	For 16P and 20P card-edge connectors	**.25**	**.23**	**.22**	**.21**
517-3490-3	3490-3	E	For 26P card-edge connectors	**.29**	**.27**	**.25**	**.25**
517-3490-4	3490-4	E	For 34P and 40P card-edge connectors	**.37**	**.34**	**.33**	**.32**
517-3490-5	3490-5	E	For 50P card-edge connectors	**.42**	**.38**	**.36**	**.35**
517-3490-6	3490-6	E	For 60P and 64P card-edge connectors	**.56**	**.51**	**.49**	**.47**
Keying Plug							
517-3439-2	3439-2	F	Keying Plug for polarization or keying	**.20**	**.19**	**.18**	**.17**

TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each	
				1	5
517-3443-63	3443-63	--	Locator Plate for card-edge connectors	**840.00**	**780.00**
517-3442-30	3442-30	--	Platen for card-edge connectors	**255.33**	**238.31**

DIN 41612 SOCKET CONNECTORS

- Solder terminals for PCB or flexible cable mount
- 96 position socket for VME, Multi-Bus II, and VXI Backpanel
- .090" terminals for "no-clean" solder flux applications
- Mates with C-Form and R-Form Plugs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	25	50	100
Standard C-Form DIN Types								
517-DIN-64CSB-S1L	DIN-64CSB-S1L-TR	G	64	3.74" Width	**2.43**	**2.22**	**2.11**	**2.05**
517-DIN-96CSC-S1L	DIN-96CSC-S1L-TR	G	96	3.74" Width	**2.89**	**2.64**	**2.50**	**2.43**
517-DIN-96CSC-PSL	DIN-96CSC-PSL-TR	G	96	3.74" Width (Press-Fit)	**2.50**	**2.28**	**2.16**	**2.10**
Inverse R-Form DIN								
517-DIN-96RSC-SR1	DIN-96RSC-SR1-TR	H	96	3.70" Width	**5.13**	**4.70**	**4.27**	**3.95**

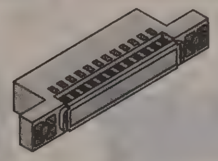
DIN 41612 PLUG CONNECTORS

- High temp. SMT compatible insulator
- RR1 and R-Form part includes retention clips for .062" and .093" PCB thickness

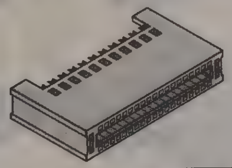
For quantities of 200 and up, call for quote.

Standard C-Form DIN								
517-DIN-64CPB-SR1	DIN-64CPB-SR1-TR	I	64	3.70" Width	**2.31**	**2.11**	**2.00**	**1.94**
517-DIN-96CPC-SR1	DIN-96CPC-SR1-TR	I	96	3.70" Width	**2.35**	**2.14**	**2.04**	**1.97**
517-DIN-96CPC-RR1	DIN-96CPC-RR1-TR	I	96	3.70" Width	**2.48**	**2.26**	**2.14**	**2.08**
Inverse R-Form DIN								
517-DIN-96RPC-S1	DIN-96RPC-S1-TR	J	96	3.74" Width	**2.49**	**2.28**	**2.17**	**2.10**

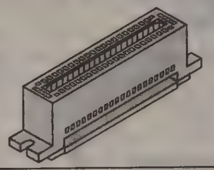
A



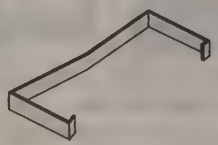
B



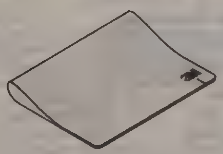
C



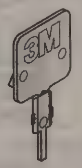
D



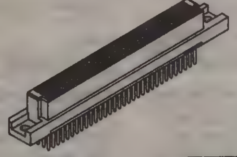
E



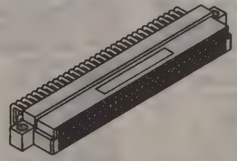
F



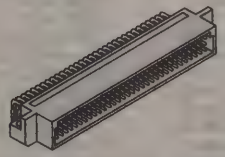
G



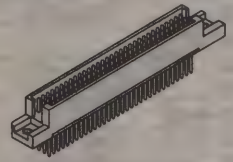
H



I

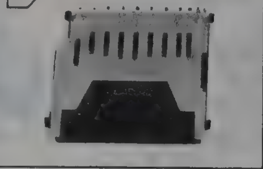
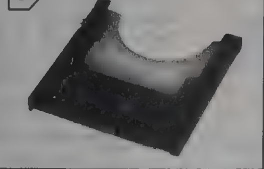
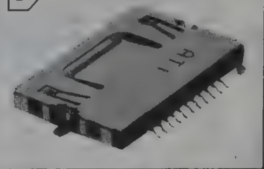
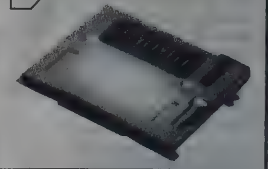
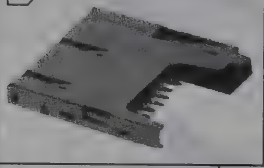
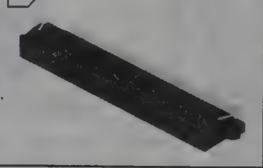
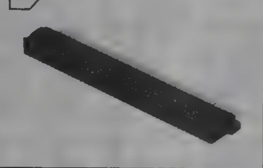
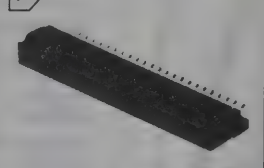


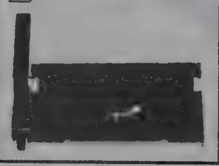
J

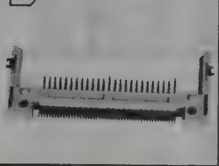
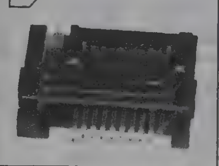
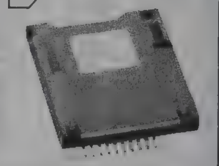
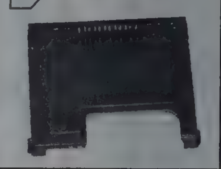


ADAM TECH Memory Connectors

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P


MEMORY CONNECTORS

- Insulator Material: PBT or LCP, glass reinforced UL94V-0
- Contacts: Phosphor Bronze
- Frame/Shield Material: Brass, nickel plated
- Operating Temperature: -20°C to +85°C
- Operation Voltage: 250VAC max.
- Current Rating: 0.5 and 1 Amps max.
- Insulation Resistance: 40 mΩ max. initial
- Dielectric Withstanding Voltage: 1000VAC for 1 minute

RoHS Compliant

Secure Digital Connectors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Adam Tech Part No.	Fig.	Description	Price Each		
				1	10	100
737-SD-09-A-SG	SD-09-A-SG	A	Standard	3.30	2.98	2.75
737-SDR-09-A-SG	SDR-09-A-SG	A	Reverse Type	3.49	3.15	2.91
737-SDM-09-A-SG-0	SDM-09-A-SG-0	B	Metal Cover Type	3.89	3.52	3.24
737-SDP-09-SG-A	SDP-09-SG-A	C	Push In / Out no Standoffs	4.20	3.80	3.50
737-SDP-09-SG-B	SDP-09-SG-B	C	Push In / Out w/ 1.8mm Standoffs	4.20	3.80	3.50
737-SDP-09-SG-C	SDP-09-SG-C	C	Push In / Out w/ 1.5mm Standoffs	6.28	5.68	5.23
737-SDP-09-SG-D	SDP-09-SG-D	C	Push In / Out w/ 2.2mm Standoffs	6.49	5.87	5.41
737-SDPR-09-SG-A	SDPR-09-SG-A	C	Push In / Out Reverse Type no Standoffs	5.00	4.52	4.17
737-SDPR-09-SG-B	SDPR-09-SG-B	C	Push In / Out Reverse Type w/ 1.8mm Standoffs	5.00	4.52	4.17
737-SDPR-09-SG-C	SDPR-09-SG-C	C	Push In / Out Reverse Type w/ 1.5mm Standoffs	5.00	4.52	4.17
737-SDPR-09-SG-D	SDPR-09-SG-D	C	Push In / Out Reverse Type w/ 2.2mm Standoffs	5.40	4.88	4.50

Mini Secure Digital Connectors

For quantities of 500 and up, call for quote.

737-MSD-11-A-SG	MSD-11-A-SG	D	Standard	5.48	4.96	4.57
737-MSDPR-11-A-SG	MSDPR-11-A-SG	E	Push Push Reverse Type	5.69	5.15	4.74

Micro Secure Digital Connectors

For quantities of 500 and up, call for quote.

737-MCSP-08-A-SG	MCSP-08-A-SG	F	Standard	6.78	6.14	5.65

Compact Flash Sockets - 50 Position (*68 Position)

For quantities of 500 and up, call for quote.

737-CFS-50-A-SG-SM	CFS-50-A-SG-SM	G	Straddle Mount	5.19	4.69	4.32
*737-CFS-68-A-SG-SM	CFS-68-A-SG-SM	H	Straddle Mount	5.69	5.15	4.74
737-CFS-50-ASG-SMT-A	CFS-50-A-SG-SMT-A	I	Surface Mount	4.68	4.24	3.90
737-CFS-50-ASG-SMT-B	CFS-50-A-SG-SMT-B	I	Surface Mount w/ .3mm Offset	4.68	4.24	3.90
737-CFS-50-ASG-SMT-C	CFS-50-A-SG-SMT-C	I	Surface Mount w/ 6mm Offset	4.79	4.33	3.99
737-CFS-50-ASG-SMT-D	CFS-50-A-SG-SMT-D	I	Surface Mount w/ .9mm Offset	4.79	4.33	3.99
737-CF1-50-A-SG	CF1-50-A-SG	J	Type 1	6.28	5.68	5.23
737-CF1R-50-A-SG	CF1R-50-A-SG	J	Reverse Type 1	7.48	6.76	6.23
737-CFE-50-L15	CFE-50-L15	K	Ejector w/ 15mm Ejector Button	2.21	2.00	1.84
737-CFE-50-L20	CFE-50-L20	K	Ejector w/ 20mm Ejector Button	2.21	2.00	1.84
737-CFE-50-L22	CFE-50-L22	K	Ejector w/ 22mm Ejector Button	2.21	2.00	1.84
737-CFEB-50-L15	CFEB-50-L15	K	Ejector w/ 15mm Bendable Ejector Button	2.79	2.53	2.33
737-CFEB-50-L20	CFEB-50-L20	K	Ejector w/ 20mm Bendable Ejector Button	3.00	2.72	2.50
737-CFEB-50-L22	CFEB-50-L22	K	Ejector w/ 22mm Bendable Ejector Button	3.19	2.89	2.66
737-CFA-50-A-SG-1	CFA-50-A-SG-1	L	Slim Type 40.16mm	4.20	3.80	3.50
737-CFA-50-A-SG-B-1	CFA-50-A-SG-B-1	L	Slim Type 40.16mm w/ 1.2mm Standoff	4.20	3.80	3.50
737-CFR-50-A-SG-1	CFR-50-A-SG-1	L	Slim Reverse Type 40.16mm	4.20	3.80	3.50
737-CFR-50-A-SG-C-1	CFR-50-A-SG-C-1	L	Slim Reverse Type 40.16mm w/ 1.4mm standoffs	4.10	3.71	3.41
737-CFA-50-A-SG-2	CFA-50-A-SG-2	L	Slim Type 38.74mm	4.20	3.80	3.50
737-CFA-50-A-SG-B-2	CFA-50-A-SG-B-2	L	Slim Type 38.74mm w/ 1.2mm Standoffs	4.20	3.80	3.50
737-CFR-50-A-SG-2	CFR-50-A-SG-2	L	Slim Reverse Type 38.74mm	4.10	3.71	3.41
737-CFR-50-A-SG-C-2	CFR-50-A-SG-C-2	L	Slim Reverse Type 38.74mm w/ 1.4mm standoffs	4.10	3.71	3.41
737-CF-50-C-SG	CF-50-C-SG	M	Short Slide	4.68	4.24	3.90

Memory Sticks

For quantities of 500 and up, call for quote.

737-MS-10-A-SG	MS-10-A-SG	N	Standard	3.49	3.15	2.91
737-MSP-10-A-SG	MSP-10-A-SG	O	Push type	6.28	5.68	5.23

Smart Media Sockets

For quantities of 500 and up, call for quote.

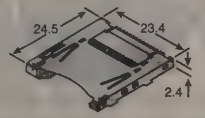
737-SME-22-A-0	SME-22-A-0	P	Without Standoffs	3.80	3.44	3.17
737-SME-22-A-1	SME-22-A-1	P	With 2mm Standoffs	3.89	3.52	3.24

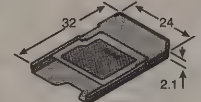
ALPS Small Memory Card Connectors

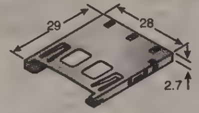
ALPS

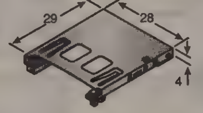
DIMENSIONS: mm

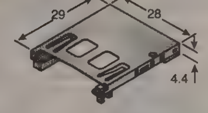
RoHS Compliant **This page of product is compliant.**

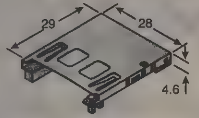
A


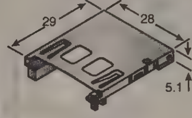
B


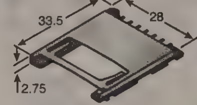
C


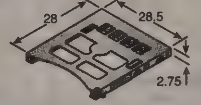
D


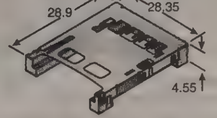
E


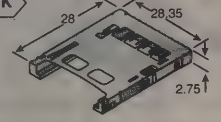
F


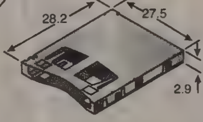
G


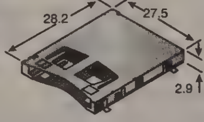
H


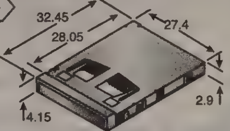
I


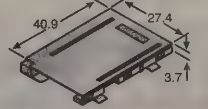
J


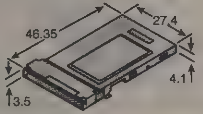
K


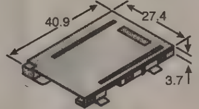
L


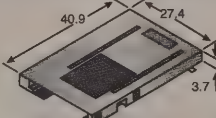
M


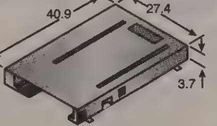
N


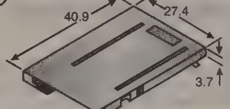
O


P


Q


R


S


T


ALPS miniSD™ CARD CONNECTORS AND ADAPTER

Features:
- The miniSD™ Saves 40% of pcb area and 60% of volume required by SD cards
- Highly shock-resistant robust guard lock.
- Adapter has metal frame within plastic body
- Internal media detection switch
- Half-lock structure keeps media from popping out on ejection
- Adapter allows a miniSD™ card to be used in an SD connector

Specifications:
- Mating/unmating cycles: 10,000 cycles
- Operating temperature range: Connector: -25 to +70°C
- Adapter: -25 to 85°C
- Connector has push-push type media ejection
- Adapter has header type media ejection
- Both connector and adapter are supplied in bulk
- Connector is also available on tape and reel.

Applications:
- Mobile Phones
- Digital Cameras
- PDA's
- Personal Computers

RoHS Compliant

- miniSD is a trademark of San Disk

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Description	Price Each			
				1	25	50	100
688-SCJB2B0101	SCJB2B0101	A	Reverse mount, surface mount type miniSD™ card connector	3.06	2.75	2.60	2.45
688-SCJC1A0100	SCJC1A0100	B	SD to miniSD adapter. For use in SD card connector	3.16	2.84	2.69	2.53

ALPS SD MEMORY / MULTI-MEDIA CARD CONNECTORS

Features:
- Compact style and low profile
- Surface mount type
- Push-push type media ejection
- Standard/reverse mount

Specifications:
- Operating temperature range: -25°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MW minimum
- Contact resistance: 100 mW maximum
- Mating/Unmating cycles: 10,000 cycles

Applications:
- Cellular Phones
- Digital Cameras
- PDA's
- Personal Computers
- Home audio/ video equipment

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Packaging Type	Price Each			
							1	25	50	100
688-SCDA1A0900	SCDA1A0900	C	0	Standard	-----	Tape and reel	1.76	1.58	1.50	1.41
688-SCDA1A0901	SCDA1A0901	C	0	Standard	-----	Bulk	1.76	1.58	1.50	1.41
688-SCDA1A0801	SCDA1A0801	D	1.2	Standard	-----	Bulk	1.70	1.53	1.44	1.30
688-SCDA1A1401	SCDA1A1401	E	1.5	Standard	-----	Bulk	1.70	1.53	1.44	1.36
688-SCDA1A1501	SCDA1A1501	F	1.8	Standard	-----	Bulk	1.70	1.53	1.44	1.36
688-SCDA1A1301	SCDA1A1301	G	2.2	Standard	-----	Bulk	1.70	1.53	1.44	1.36
688-SCDA1A0700	SCDA1A0700	H	-0.8	Standard	Substrate push-in type	Tape and reel	2.30	2.06	1.96	1.84
688-SCDA0A0701	SCDA0A0701	H	-0.8	Standard	Substrate push-in type	Bulk	2.30	2.06	1.96	1.84
688-SCDA2A0100	SCDA2A0100	I	0	Reverse	-----	Tape and reel	1.76	1.58	1.50	1.41
688-SCDA2A0101	SCDA2A0101	I	0	Reverse	-----	Bulk	1.76	1.58	1.50	1.41
688-SCDA2A0201	SCDA2A0201	J	1.8	Reverse	-----	Bulk	1.76	1.58	1.50	1.41
688-SCDA2A0300	SCDA2A0300	K	0	Reverse	-----	Tape and reel	1.84	1.65	1.57	1.47
688-SCDA3A0100	SCDA3A0100	L	0	Standard (inner tail type)	without frame legs	Tape and reel	1.84	1.65	1.57	1.47
688-SCDA3A0200	SCDA3A0200	M	0	Standard (inner tail type)	with frame legs	Tape and reel	2.05	1.84	1.75	1.65
688-SCDA3B0201	SCDA3B0201	N	0	Standard (inner tail type)	with shutter	Bulk	2.30	2.06	1.96	1.84

ALPS MEMORY STICK CARD CONNECTORS

Features:
- Long (10mm) stroke and clearly defined click for positive card insertion
- Increased reliability with anti-ESD construction.
- 4 solder lug terminals are a part of the enclosure for secure mounting to the PC board.

Specifications:
- Operating temperature range: -20°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MW minimum
- Push-push media ejection
- Mating/Unmating cycles: 12,000 cycles
- Bulk packaging

Applications:
- Notebook PCs
- Desktop PCs
- PDA's
- Home audio/ video equipment

RoHS Compliant

- Memory Stick is a trademark of Sony

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Price Each			
						1	25	50	100
688-SCEC1B0100	SCEC1B0100	O	0	Standard	With boss, standard mouth	1.60	1.44	1.36	1.28
688-SCEC1F0100	SCEC1F0100	P	0	Standard	Without boss, standard mouth	1.60	1.44	1.36	1.28
688-SCEC1D0100	SCEC1D0100	Q	0	Standard	With boss, with shutter	1.84	1.66	1.57	1.47
688-SCEC1B0200	SCEC1B0200	R	0	Standard	With boss, with square hole	1.66	1.50	1.41	1.32
688-SCEC1F0300	SCEC1F0300	S	0	Standard	Without boss, wide mouth	1.66	1.50	1.41	1.32
688-SCEC1F0400	SCEC1F0400	T	0	Standard	Without boss, flat mouth	1.66	1.50	1.41	1.32

ALPS Memory Card and Camera Module Connectors

ALPS

DIMENSIONS: mm

RoHS Compliant This page of product is compliant.

ALPS RS-MMC PUSH-PUSH TYPE CONNECTORS

Features:
- Offers one of the smallest mounting areas and one of the longest media ejection distances (4mm) in the industry
- High impact resistance
- Relow solderable

Specifications:
- Operating temperature: -25°C-+80°C
- Withstand voltage: 500VAC/1 min.
- Insulation resistance: 1000 MΩ
- Mating/Unmating cycles: 10,000 cycles

Applications:
- PDAs
- Digital Cameras
- Cellular Phones

RoHS Compliant

MMC is a registered trademark of Infineon Technology AG, and is licensed to the MMCA

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Mounting System	Package Type	Price Each			
					1	25	50	100
688-SCDC1A0102	SCDC1A0102	A	Standard mount with media detection switch	Tape and reel	2.89	2.60	2.45	2.31
688-SCDC2A0102	SCDC2A0102	B	Reverse mount with media detection switch	Tape and reel	2.89	2.60	2.45	2.31

ALPS MEMORY STICK DUO™ CARD CONNECTORS

Features:
- Long (6mm) stroke and clearly defined click for positive card insertion.
- 10 Newton lock strength
- Push-push media ejection

Specifications:
- Operating temperaturerange: -20°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MW minimum
- Mating/Unmating cycles: 12,000 cycles
- Contact resistance: 40 mW maximum

Applications:
- Cellular Phones
- Personal Computers
- Digital Cameras
- PDA's
- Home audio/video equipment

RoHS Compliant

Memory Stick Duo is a trademark of Sony

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Package Type	Price Each			
						1	25	50	100
688-SCEM1B0100	SCEM1B0100	C	0	Standard	Bulk	1.47	1.33	1.25	1.18

ALPS COMBINE TYPE (SD MEMORY / MMC™/MEMORY STICK™/ XD-PICTURE™) CARD CONNECTORS

Features:
- Supports SD Memory, MultiMediaCard™, Memory Stick™, and xD-Picture Card™ in one connector
- Relow solderable

Specifications:
- Operating temperature: -10°C-+60°C
- Withstand voltage: 500VAC/1 min.
- Insulation resistance: 1000 MΩ
- Mating/Unmating cycles: 10,000 cycles

Applications:
- PDAs
- PCs
- Digital Cameras
- Digital camcorders

MultiMediaCard is a trademark of Infineon/Hitachi
Memory Stick is a trademark of Sony
xD-Picture Card is a trademark of Fujifilm, Olympus, and Toshiba

RoHS Compliant

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Media Ejection Structure	Packaging Type	Price Each			
							1	25	50	100
688-SCDE1C0102	SCDE1C0102	D	0	Standard	Push-push	Tray	7.70	6.92	6.54	6.16

ALPS COMBINE TYPE (SD MEMORY / MULTIMEDIACARD™ / MEMORY STICK™) CARD CONNECTORS

Features:
- Supports SD Memory, MultiMediaCard™, and Memory Stick™ in one connector
- Push-in push-out eject mechanism used for all three types

Specifications:
- Operating temperaturerange: -20°C to +60°C
- Withstanding voltage: 500VAC
- Insulation resistance: 1000 MΩ minimum
- Mating/Unmating cycles: 10,000 cycles
- Contact resistance: 100 mW maximum

Applications:
- Cellular Phones
- Personal Computers
- Digital Cameras
- PDA's
- Home audio/video equipment

RoHS Compliant

Memory Stick is a trademark of Sony, MultiMediaCard is a trademark of Infineon/Hitachi

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Stand-off (mm)	Mounting System	Features	Packaging Type	Price Each			
							1	25	50	100
688-SCDB1C0101	SCDB1C0101	E	0	Standard	Without frame legs	Bulk	3.44	3.09	2.92	2.75
688-SCDB1A0102	SCDB1A0102	F	0	Standard	With frame legs	Bulk	5.76	5.18	4.89	4.61
688-SCDB2A0101	SCDB2A0101	G	0	Reverse	With boss	Bulk	6.48	5.82	5.50	5.18

ALPS COMPACTFLASH® CARD CONNECTORS

RoHS Compliant

The pin headers and the ejectors are supplied as separate parts.
When using them, solder a pin header to a printed circuit board, assemble an ejector to the pin header and screw in.

Features:
- Industry's smallest CF card connector with ultra-slim depth
- Eject mechanism
- High mounting strength realized by screwing connector directly to pc board
- Metal-plated structure enhances mechanical strength and noise-proof properties

Specifications:
- 0mm Stand-off
- Position of lever: 1-step type is on left, 2-step type is on right
- Pin pitch: 1.27mm
- Insulation resistance: 1000 MΩ minimum
- Mating/Unmating cycles: 10,000 cycles

Applications:
- Cellular Phones
- Personal Computers
- Digital Cameras
- PDAs
- Home audio/video equipment

CompactFlash is a registered trademark of SanDisk

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Application Card	Mounting System	Description	Price Each			
						1	25	50	100
With 1-Step Media Ejection Lever									
688-SCFB2A0400	SCFB2A0400	H	Type I,II	Reverse	Ejector, related pin header SCFB1A0600	2.90	2.61	2.47	2.32
688-SCFB2A0500	SCFB2A0500	I	Type I	Standard	Ejector, related pin header SCFB1A0700	1.96	1.77	1.67	1.57
688-SCFB1A0600	SCFB1A0600	---	Type I,II	Reverse	50-pin Pin header, related ejector SCFB2A0400	1.94	1.75	1.65	1.55
688-SCFB1A0700	SCFB1A0700	---	Type I	Standard	50-pin Pin header, related ejector SCFB2A0500	1.30	1.17	1.11	1.04
With 2-Step Media Ejection Lever									
688-SCFB3A0300	SCFB3A0300	J	Type I,II	Standard	Ejector, related pin header SCFB1A0500	3.06	2.75	2.60	2.45
688-SCFB1A0500	SCFB1A0500	---	Type I,II	Standard	50-pin Pin header, related ejector SCFB3A0300	2.03	1.83	1.72	1.62

ALPS SCKA CMOS CAMERA MODULE CONNECTOR

Specifications:
- Mating/Unmating cycles: 10 cycles
- Insulation resistance: 1000MΩ
- Contact resistance: 100mΩ
- Sold on cut tape and reel

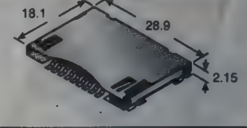
Applications:
- Include mobile phones with camera, digital cameras, etc.

RoHS Compliant

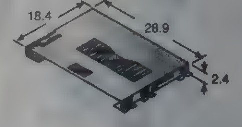
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Fits Module Size	Mounting	Package Type	Price Each				Reel Qty.	Reel Qty. Price Each
						1	25	50	100		
688-SCKA1A0201	SCKA1A0201	K	8mm X 8mm	Surface mount	Tape and Reel	2.49	2.13	1.78	1.60	1000	1.24

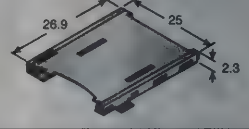
A



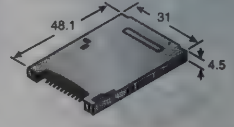
B



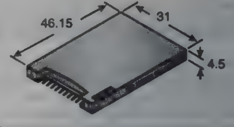
C



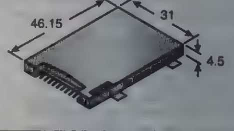
D



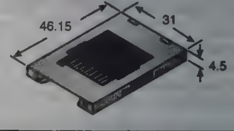
E



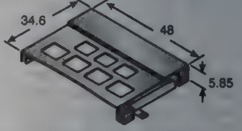
F



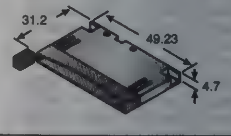
G



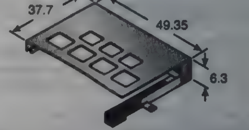
H



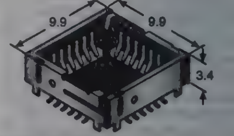
I



J



K



AMP PCI, PCI Express, and Mictor Connectors

RoHS Compliant **This page of product is compliant.**

PCI STANDARD EDGE

Features:
- High density .050 [1.27] centerline contact spacing
- Easy mating of high circuit count daughter boards
- Polarizing web for positive board-to-connector registration
- Contact Finish: 30 μ" Gold
- RoHS Compliant per Tyco Electronics documentation

Specifications:
- Current Ratings: 1A
- Voltage Rating: 203 VAC
- Durability: 100 Cycles
- Operating Temperature: -55°C to 85°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Voltage (VAC)	Post Length (mm)	Price Each			
						1	25	50	100
32 Bit Thru Hole									
571-5145154-4	5145154-4	A	60 Dual	3.3/5.0	2.54	2.28	2.17	1.95	1.84
571-5145154-8	5145154-8	A	60 Dual	3.3/5.0	3.18	2.46	2.22	2.09	1.97
32 Bit, SMT									
571-5145098-1	5145098-1	B	60 Dual	3.3/5.0	--	3.58	3.22	3.04	2.86
64 Bit Thru Hole									
571-5145165-4	5145165-4	C	92 Dual	3.3	2.54	3.38	3.04	2.87	2.70
571-5145165-8	5145165-8	C	92 Dual	3.3	3.17	3.58	3.22	3.04	2.86
571-5145166-4	5145166-4	C	92 Dual	5.0	2.54	3.17	2.85	2.69	2.54
571-5145166-8	5145166-8	C	92 Dual	5.0	3.17	3.27	3.12	2.80	2.65
64 Bit, SMT									
571-6489934-1	6489934-1	D	92 Dual	3.3	--	7.80	7.02	6.63	6.24
571-5145113-1	5145113-1	D	92 Dual	5.0	--	3.92	3.53	3.33	3.14

PCI EXPRESS

Features:
- Different tail (post) length (2.3mm or 3.10mm) available to support differing motherboard thickness.
- Tails are offset to form 4 rows on a 2.00mm pitch, thus making wave soldering easier.
- All connectors come with locating bosses to help align the connector to PCB (motherboard).
- Molded polarization key prevents improper insertion of the PCB.
- Connectors have slots to accept "add in" cards with thickness of 1.58mm (0.062in).
- Conforms to PCI Express specification on connectors.
- Contact Finish: 30 μ" Gold
- RoHS Compliant per Tyco Electronics documentation

Specifications:
- Current Rating: 1.1A
- Voltage Rating: 50 VAC
- Durability: 50 cycles
- Operating Temperature: -40°C to +85°C

RoHS Compliant

V-Type

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	No. of Ports	Post Length (mm)	Price Each			
						1	25	50	100
571-4-1612163-1	4-1612163-1	E	36	1	2.30	1.96	1.86	1.68	1.58
571-2-1612163-2	2-1612163-2	E	64	4	2.30	2.16	1.94	1.83	1.73
571-4-1612163-3	4-1612163-3	E	98	8	2.30	3.63	3.46	3.11	2.94
571-4-1612163-4	4-1612163-4	E	164	16	2.30	3.42	3.25	2.93	2.77
571-5-1612163-1	5-1612163-1	E	36	1	3.10	1.96	1.86	1.68	1.58
571-5-1612163-2	5-1612163-2	E	64	4	3.10	2.64	2.51	2.26	2.13
571-5-1612163-3	5-1612163-3	E	98	8	3.10	3.63	3.46	3.11	2.94
571-5-1612163-4	5-1612163-4	E	164	16	3.10	5.31	5.06	4.55	4.30
With Compliant Pin "Press Fit"									
571-1871058-3	1871058-3	F	98	8	2.00	6.80	6.12	5.78	5.44
571-1871058-4	1871058-4	F	164	16	2.00	10.48	9.43	8.91	8.38

Right Angle

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	No. of Ports	Post Length (mm)	Price Each			
						1	25	50	100
571-1761465-3	1761465-3	G	98	8	2.30	12.16	10.94	10.34	9.73
571-1761465-4	1761465-4	G	164	16	2.30	18.64	16.78	15.84	14.91
571-1-1761465-3	1-1761465-3	G	98	8	3.10	12.16	10.94	10.34	9.73
571-1-1761465-4	1-1761465-4	G	164	16	3.10	18.64	16.78	15.84	14.91

MICTOR CONNECTORS

Features:
- Infrared and forced air convection compatible housing materials
- Designed for 50Ω systems
- Connector housings polarized for correct mating
- Built-in connector-to-board retention feature
- RoHS Compliant per Tyco Electronics documentation

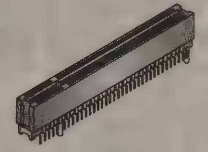
Specifications:
- Material Housing: Liquid Crystal Polymer, black
- Contacts: High Reliability Copper Alloy
- Voltage: 30 VAC
- Operating Temperature: -55°C to +125°C

RoHS Compliant

For quantities of 50 and up, call for quote.

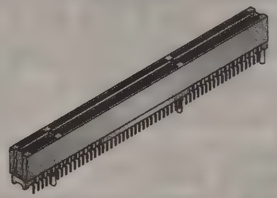
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each			
				1	5	10	25
Receptacle							
571-2-5767004-2	2-5767004-2	H	38	16.62	14.96	14.13	13.30
571-2-5767004-3	2-5767004-3	H	76	31.62	28.46	26.88	25.30
571-2-5767004-5	2-5767004-5	H	152	67.12	60.41	57.05	53.70
Plug							
571-5767007-8	5767007-8	I	38	16.90	15.21	14.37	13.52
571-5767007-9	5767007-9	I	76	40.51	38.58	34.72	32.79
571-1-5767007-1	1-5767007-1	I	152	77.10	69.39	65.54	61.68

A

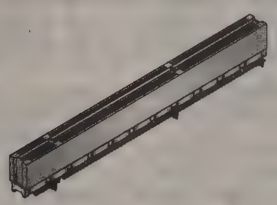


B

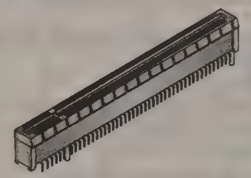
C



D

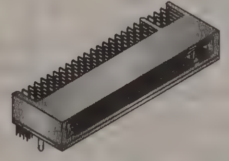


E

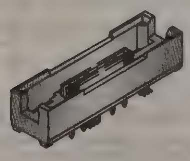


F

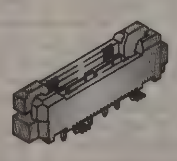
G



H



I



AMP PICMG® Standard Connectors

Tyco Electronics supports AdvancedTCA (ATCA), AdvancedMC (AMC) and MicroTCA (μTCA) PICMG® standards with a full complement of products to meet the wide array of applications and markets where these standard configurations will be used. These products include both the fully compliant interconnects that are specified in the PICMG® standards, as well as additional connectors that product designers need to customize their solutions for their specific markets.

ADVANCED TCA

RoHS Compliant

Zone 1 Power Connector

- High conductivity, precision formed contacts
- Qualified to meet PICMG 3.0, R2.0 specification
- Precision formed compliant terminations offer excellent retention to provide a reliable connection

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	5	10	25
571-1766500-1	1766500-1	A	Right angle plug	22.08	19.43	17.66	15.89
571-1766501-1	1766501-1	B	Vertical receptacle	16.20	14.26	12.96	11.66

Zone 2 High Speed Connector

- Designed specifically for high speed differential applications
- Optimized footprint for improved electrical performance
- Designed to meet Telcordia requirements

For quantities of 50 and up, call for quote.

571-6469002-1	6469002-1	C	4 Pair vertical header	12.02	11.42	10.82	10.22
571-6469001-1	6469001-1	D	4 Pair right angle receptacle	17.76	16.88	15.99	15.10

Zone 3 High Speed Connector

- Designed specifically for high speed differential applications
- Optimized footprint for improved electrical performance
- Designed to meet Telcordia requirements

For quantities of 50 and up, call for quote.

571-6469048-1	6469048-1	E	4 Pair right angle header	41.40	37.26	35.19	33.12

ATCA GUIDE MODULES

- Configurations for front board and backplane as well as midplane and coplanar applications in the RTM
- Vertical and right angle pins to support right angle and coplanar board configurations
- Guide pins are available in short or long lengths

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	ATCA Name	ATCA Location	Price Each			
						1	25	50	100
571-1469269-2	1469269-2	F	Rear alignment post PCB 3.00 - 4.00	rK1	Backplane	7.02	6.32	5.97	5.62
571-1469269-4	1469269-4	F	Rear alignment post PCB 4.10 - 6.00	rK1	Backplane	7.63	6.32	6.09	5.77
571-1469269-6	1469269-6	F	Rear alignment post PCB 6.10 - 8.00	rK1	Backplane	8.79	7.27	6.93	6.61
571-1-1469372-1	1-1469372-1	G	Right angle male, keyed	A2 (RTM)	Rear Transition Module	4.60	4.14	3.91	3.68
571-1-1469373-1	1-1469373-1	H	Right angle female, keyed	K1/K2	Front Board	4.02	3.62	3.42	3.22
571-9-1469373-9	9-1469373-9	H	Right angle female, unkeyed dummy	K1/K2	Front Board	4.02	3.62	3.42	3.22
571-1469374-1	1469374-1	H	Right angle female	K1/K2	Rear Transition	4.02	3.62	3.42	3.22
571-1-1469387-1	1-1469387-1	G	Vertical male, keyed, short	A1	Backplane	4.02	3.62	3.42	3.22
571-1-1469388-1	1-1469388-1	G	Vertical male, keyed, long	A2	Mid-Plane	4.44	4.00	3.77	3.55

AMC - ADVANCED MEZZANINE CARD

- Targeted from high-speed differential applications (3.125 Gb/s to 10+ Gb/s)
- Suitable for assembly processes using flat-rock tooling

Right Angle Card Edge Connector for AMC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	5	10	25
571-1-1367703-2	1-1367703-2	I	B+ with Inserts, without pegs	82.66	78.72	70.85	66.91
571-3-1367703-2	3-1367703-2	I	B+ with Inserts, with pegs	82.66	78.72	70.85	66.91

MICRO TCA

- Press-fit connector per MicroTCA.0 specification
- Connector designed so that custom load patterns are easily created
- Single overmolded wafer design

Vertical Card Edge Connector for AMC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	5	10	25
571-1469820-1	1469820-1	J	Without locating posts	36.00	31.68	28.80	25.92
571-1469820-2	1469820-2	J	With locating posts	36.00	31.68	28.80	25.92

Power Connectors

- High current density
- Hot plug contact design
- Tin plated (fully RoHS compliant)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	5	10	25
571-1469921-1	1469921-1	K	Right angle plug	24.20	21.30	19.36	17.42
571-1469920-1	1469920-1	L	Vertical receptacle	19.10	16.81	15.28	13.75

1.0MM FREE HEIGHT FOR IEEE-1386

- For board stacking applications
- Meets EIA-700 AAAB specifications for IEEE 1386 applications
- High density packaging on 1.0 (.039) centerline spacing

For quantities of 200 and up, call for quote.

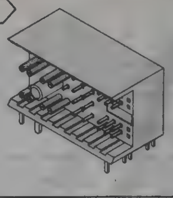
MOUSER STOCK NO.	AMP Part No.	Fig.	Position	Stack Height	Price Each			
					1	25	50	100
Receptacle								
571-5146893-1	5146893-1	M	64	8mm and 10mm	4.35	3.83	3.48	3.13
Plug								
571-5146897-1	5146897-1	N	64	8mm	4.93	4.33	3.94	3.55
571-5146888-1	5146888-1	N	64	10mm	7.68	6.75	6.14	5.53

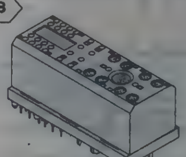
.5MM FREE HEIGHT FOR COM EXPRESS

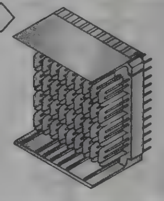
- Parallel board to stacking for applications that require high density
- Specified by the PICMG COM Express standard
- Bridged connectors - Two connectors held together with a carrier

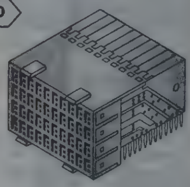
For quantities of 50 and up, call for quote.

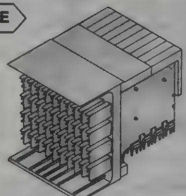
MOUSER STOCK NO.	AMP Part No.	Fig.	Position	Description	Price Each			
					1	5	10	25
Receptacle								
571-3-6318490-6	3-6318490-6	O	220	Single part	13.98	12.42	11.38	9.34
571-3-1827231-6	3-1827231-6	O	440	Bridged part	37.40	32.91	29.92	26.93
Plug								
571-3-1827253-6	3-1827253-6	P	220	Single part for 5mm stack height	24.00	21.84	19.40	15.96
571-3-1827233-6	3-1827233-6	P	440	Bridged part for 5mm stack height	51.50	45.32	41.20	37.08
571-3-6318491-6	3-6318491-6	P	220	Single part for 8mm stack height	25.20	22.18	20.16	18.14
571-3-5353652-6	3-5353652-6	P	440	Bridged part for 8mm stack height	51.50	45.32	41.20	37.08

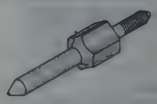
A


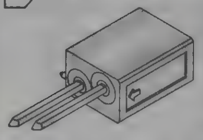
B


C


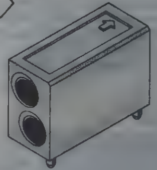
D


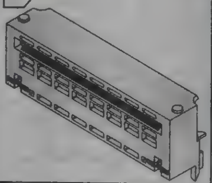
E


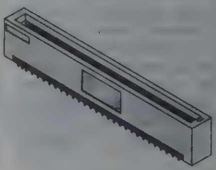
F


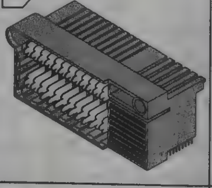
G


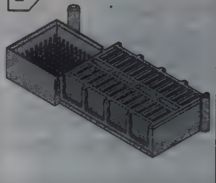
Right angle shown

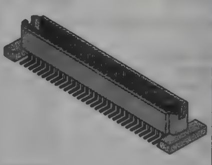
H


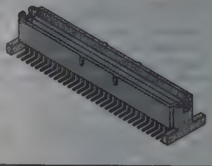
I


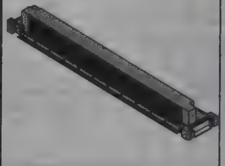
J


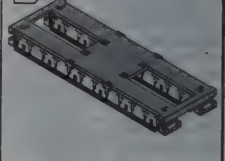
K


L


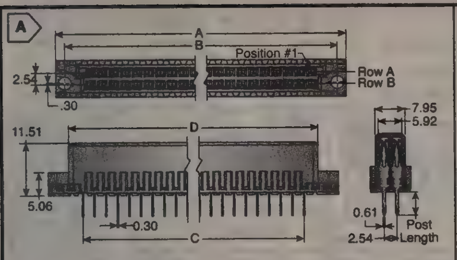
M


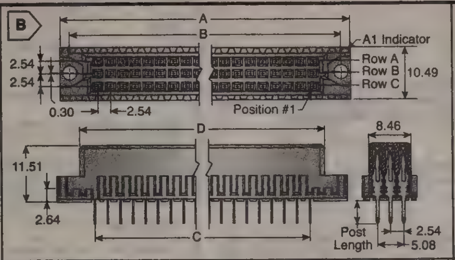
N


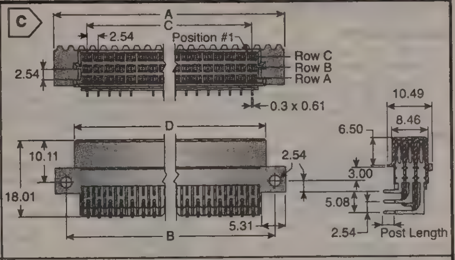
O


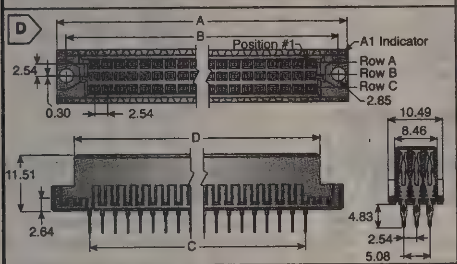
P


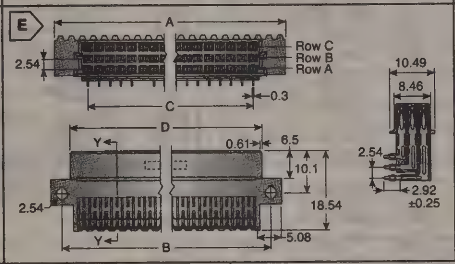
AMP DIN 41612 Connectors

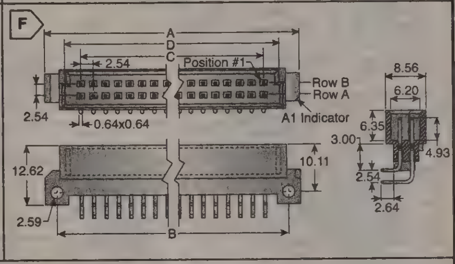

A
A
B
Position #1
Row A
Row B
2.54
.30
7.95
5.92
11.51
D
5.06
0.30
C
0.61
2.54
Post Length

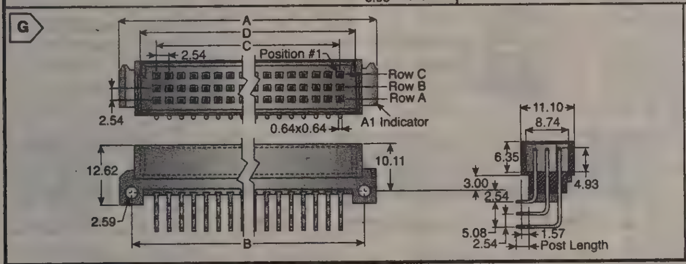

B
A
B
A1 Indicator
Row A
Row B
Row C
10.49
2.54
2.54
0.30
2.54
Position #1
D
8.46
11.51
2.64
C
Post Length
2.54
5.08

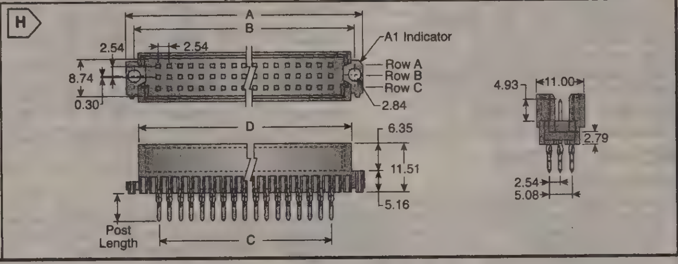

C
A
C
2.54
Position #1
Row C
Row B
Row A
2.54
0.3 x 0.61
10.49
8.46
6.50
D
10.11
2.54
3.00
18.01
5.08
5.31
B
2.54
Post Length


D
A
B
Position #1
A1 Indicator
Row A
Row B
Row C
2.85
2.54
0.30
2.54
10.49
8.46
D
11.51
4.83
2.64
C
2.54
5.08


E
A
Row C
Row B
Row A
2.54
C
0.3
10.49
8.46
D
Y
0.61
6.5
10.1
2.54
18.54
2.92
±0.25
2.54
Y
B
5.08


F
A
D
C
2.54
Position #1
Row B
Row A
A1 Indicator
8.56
6.20
2.54
0.64x0.64
6.35
3.00
4.93
10.11
12.62
2.54
2.64
2.59
B


G
A
D
C
2.54
Position #1
Row C
Row B
Row A
2.54
0.64x0.64
A1 Indicator
11.10
8.74
6.35
10.11
12.62
3.00
2.54
4.93
2.59
B
5.08
1.57
2.54
Post Length


H
A
B
A1 Indicator
2.54
2.54
Row A
Row B
Row C
8.74
0.30
2.84
4.93
11.00
D
6.35
2.79
11.51
5.16
2.54
5.08
Post Length
C

AMP Eurocard Connectors incorporate internationally accepted design advantages of DIN 41612 and IEC 603-2 two-piece connectors with the universally known quality, service and delivery of AMP products. The Eurocard Connectors meet DIN 41612 and IEC 603-2 specifications.

EUROCARD RECEPTACLE ASSEMBLIES

Specifications:

- Housing: Polyester, Grey, 94V-0 rated
- Contacts: Phosphor bronze
- Plating: Gold flash over .000030 Palladium/Nickel in mating area, Tin Lead on tails, all over .000050 Nickel.

E28476 LR 7189

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	No. of Contacts	Style	Rows Loaded	Dimensions (mm.)				Post Length (mm.)	Price Each			
							A	B	C	D		1	25	50	100
Receptacle Assemblies with Solder Posts															
571-6508585	650858-5	A	1/2 B	32	Vertical	a, b	54.34	49.35	38.10	44.35	4.57	3.77	3.40	3.21	3.02
571-650861-5	650861-5	A	B	64	Vertical	a, b	93.96	90.00	78.74	85.00	4.57	3.26	3.13	2.86	2.74
571-535091-5	535091-5	B	1/2 C	48	Vertical	a, b, c	53.34	49.37	38.10	44.35	2.49	3.06	2.76	2.60	2.45
571-5350705	535070-5	B	1/2 C	48	Vertical	a, b, c	53.34	49.37	38.10	44.35	3.30	3.06	2.76	2.60	2.45
571-6504585	650458-5	B	C	64	Vertical	a, c	93.98	90.00	78.74	85.00	2.49	3.06	2.76	2.60	2.45
571-5350895	535089-5	B	C	96	Vertical	a, b, c	93.98	90.00	78.74	85.00	2.49	3.68	3.31	3.13	2.94
571-5350905	535090-5	B	C	96	Vertical	a, b, c	93.98	90.00	78.74	85.00	3.30	3.86	3.78	3.61	3.43
571-5350435	535043-5	B	C	96	Vertical	a, b, c	93.98	90.00	78.74	85.00	4.57	3.86	3.78	3.61	3.43
571-650868-5	650868-5	C	1/2 R	48	Right-Angle	a, b, c	53.24	48.26	38.10	44.35	2.79	3.21	3.06	2.75	2.60
571-6508705	650870-5	C	R	64	Right-Angle	a, c	93.87	88.90	78.74	85.00	2.79	3.26	2.93	2.77	2.60
571-6504615	650461-5	C	R	96	Right-Angle	a, b, c	93.87	88.90	78.74	85.00	2.79	3.96	3.56	3.37	3.17
Receptacle Assemblies with Action Pin Posts															
571-535068-5	535068-5	D	1/2 C	32	Vertical	a, c	53.34	49.37	38.10	44.35	4.83	4.10	3.90	3.51	3.32
571-535034-5	535034-5	D	1/2 C	48	Vertical	a, b, c	53.34	49.37	38.10	44.35	4.83	3.63	3.27	3.09	2.91
571-5350324	535032-4	D	C	96	Vertical	a, b, c	93.98	90.00	78.74	85.00	4.83	3.86	3.68	3.31	3.13
Receptacle Assemblies with Compliant Pin															
571-1482961	148296-1	E	R	64	Right-Angle	a, c	93.88	88.90	78.74	85.00	2.92	8.66	7.79	7.36	6.93
571-1482925	148292-5	E	R	96	Right-Angle	a, b, c	93.88	88.90	78.74	85.00	2.92	5.20	4.68	4.42	4.16

EUROCARD PIN HEADERS

Specifications:

- Housing: Polyester, Grey, 94V-0 rated
- Contacts: Brass; Pin assemblies with action posts are Phoshor Broze.
- Plating: Gold flash over .000030 Palladium/Nickel in mating area, Tin Lead on tails, all over .000050 Nickel.

E28476 LR 7189

For quantities of 200 and up, call for quote.

Pin Assemblies with Solder Posts															
571-5360535	536053-5	F	1/2 B	32	Right-Angle	a, b	53.34	48.26	38.10	44.65	2.64	2.96	2.82	2.54	2.40
571-5360525	536052-5	F	B	64	Right-Angle	a, b	93.98	88.90	78.74	85.29	2.64	3.88	3.31	3.05	2.82
571-6504785	650478-5	G	1/2 C	48	Right-Angle	a, b, c	53.34	48.26	38.10	44.65	2.64	2.25	2.14	1.93	1.82
571-6509485	650948-5	G	1/2 C	48	Right-Angle	a, b, c	53.34	48.26	38.10	44.65	3.30	2.25	2.15	1.93	1.82
571-6509455	650945-5	G	C	64	Right-Angle	a, c	93.98	88.90	78.74	85.29	2.64	2.91	2.85	2.74	2.52
571-6504735	650473-5	G	C	96	Right-Angle	a, b, c	93.98	88.90	78.74	85.29	2.64	3.84	3.67	3.35	3.18
Pin Assemblies with Action Pin Posts															
571-6509185	650918-5	H	1/2 R	48	Vertical	a, b, c	54.37	49.35	38.10	47.37	6.35	3.32	3.16	2.84	2.68
571-6509175	650917-5	H	1/2 R	48	Vertical	a, b, c	54.37	49.35	38.10	47.37	13.23	8.61	7.75	7.32	6.88
571-650912-5	650912-5	H	R	64	Vertical	a, c	95.00	90.00	78.74	88.01	6.35	8.61	8.20	7.38	6.97
571-6508895	650889-5	H	R	96	Vertical	a, b, c	95.00	90.00	78.74	88.01	6.35	2.99	2.69	2.54	2.39
571-650909-5	650909-5	H	R	96	Vertical	a, b, c	95.00	90.00	78.74	88.01	13.23	4.38	3.94	3.72	3.50

AMP PC/104 and PC/104-*Plus* Connectors

PC/104, PRESS-FIT

Specifications:

- Housing: High temperature, glass filled nylon, black
- Screwlocks: Steel, clear chromate over zinc
- Contacts: Phosphor Bronze, 0.000381 (0.000015) min. gold on mating receptacle end, 0.000130 (0.000005) min. gold on remainder, all over 0.001270 (0.00005) nickel (stack-through), 0.000381 (0.000015) min. gold on mating receptacle end, 0.00254 (0.0001) bright tin-lead on remainder, all over 0.001270 (0.00005) nickel (non-stackthrough).

Features:

- Press -Fit design
- Flat-Rock insertable
- Unitized PC/104 connector assembly
- Integral board spacers with captive hardware
- Fully compliant for PC/104 & PC/104-*Plus* standards
- Compact form-factor 3.6 inches
- Unique self-stacking bus

Benefits:

- Eliminates hand soldering
- Eliminates two piece (60 & 40 pin) configuration
- Eases and improves assembly efficiency while minimizing stocked hardware

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each		
				1	25	50
Stackthrough - No Standoffs						
571-1375795-1	1375795-1	A	Keyed	12.75	11.23	9.72
571-1375795-2	1375795-2	A	Unkeyed	13.00	9.23	8.72
Stackthrough - Two Standoffs						
571-1375793-1	1375793-1	B	Keyed	12.40	11.16	10.54
571-1375793-2	1375793-2	B	Unkeyed	12.40	11.16	10.54
Stackthrough - Four Standoffs						
571-1375791-1	1375791-1	C	Keyed	14.20	12.78	12.07
571-1375791-2	1375791-2	C	Unkeyed	14.20	12.78	12.07
Non-Stackthrough - No Standoffs						
571-1375796-1	1375796-1	D	Keyed	9.70	8.73	8.25
571-1375796-2	1375796-2	D	Unkeyed	9.70	8.73	8.25
Non-Stackthrough - Two Standoffs						
571-1375794-1	1375794-1	E	Keyed	12.00	10.80	10.20
571-1375794-2	1375794-2	E	Unkeyed	12.00	10.80	10.20
Non-Stackthrough - Four Standoffs						
571-1375792-1	1375792-1	F	Keyed	13.90	12.51	11.82
571-1375792-2	1375792-2	F	Unkeyed	13.90	12.51	11.82

PC/104, SOLDER

Specifications:

- Housing: High temperature, glass-filled nylon, black
- Contacts: Phosphor Bronze, 0.000381 (0.000015) min. gold on mating receptacle end, 0.000130 (0.000005) min. gold on remainder, all over 0.001270 (0.00005) nickel (stack-through), 0.000381 (0.000015) min. gold on mating receptacle end, 0.00254 (0.0001) bright tin-lead on remainder, all over 0.001270 (0.00005) nickel (non-stackthrough).
- Screwlocks: Steel, clear chromate over zinc.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each		
				1	25	50
Non-Stackthrough - No Standoffs						
571-1375963-1	1375963-1	G	Keyed	21.89	19.70	18.61
571-1375963-2	1375963-2	G	Unkeyed	21.89	19.70	18.61
Non-Stackthrough - Two Standoffs						
571-1375961-1	1375961-1	H	Keyed	27.14	24.43	23.07
571-1375961-2	1375961-2	H	Unkeyed	27.68	24.91	23.53

PC/104-*PLUS*, PRESS-FIT

Specifications:

- Housing: High temperature, glass filled nylon, black
- Contacts: Phosphor Bronze, 0.000381 (0.000015) min. gold on mating receptacle end, 0.000130 (0.000005) min. gold on remainder, all over 0.001270 (0.00005) nickel (stack-through), 0.000381 (0.000015) min. gold on mating receptacle end, 0.00254 (0.0001) bright tin-lead on remainder, all over 0.001270 (0.00005) nickel (non-stackthrough).
- Screwlocks: Steel, clear chromate over zinc

Features:

- Use of high speed PCI bus in embedded applications
- Press-Fit design
- Integral board spacers with captive hardware

Benefits:

- Fast data transfer over a PCI bus
- Low cost due to PC/104's unique self-stacking bus
- High reliability due to PC/104's inherent ruggedness
- Eliminates hand soldering
- Eases and improves assembly efficiency while minimizing stocked hardware

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each		
				1	25	50
Stackthrough - No Standoffs						
571-1375799-1	1375799-1	I	Unkeyed	14.18	13.96	9.50
571-1375799-2	1375799-2	I	Keyed (A1)	11.18	10.06	9.50
571-1375799-3	1375799-3	I	Keyed (D30)	11.18	10.06	9.50
Stackthrough - Two Standoffs						
571-1375797-1	1375797-1	J	Unkeyed	13.34	12.01	11.34
571-1375797-2	1375797-2	J	Keyed (A1)	14.08	12.67	11.97
571-1375797-3	1375797-3	J	Keyed (D30)	15.08	14.36	12.92
Non-Stackthrough - No Standoffs						
571-1375800-1	1375800-1	K	Unkeyed	10.70	9.63	9.10
571-1375800-2	1375800-2	K	Keyed (A1)	10.70	9.63	9.10
571-1375800-3	1375800-3	K	Keyed (D30)	10.70	9.63	9.10
Non-Stackthrough - Two Standoffs						
571-1375798-1	1375798-1	L	Unkeyed	13.00	11.70	11.05
571-1375798-2	1375798-2	L	Keyed (A1)	13.00	11.70	11.05
571-1375798-3	1375798-3	L	Keyed (D30)	13.92	13.26	11.93

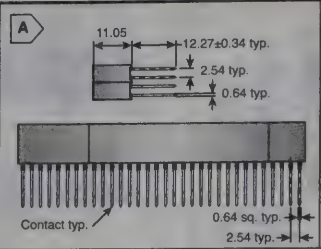
ACCESSORIES

For quantities of 200 and up, call for quote.

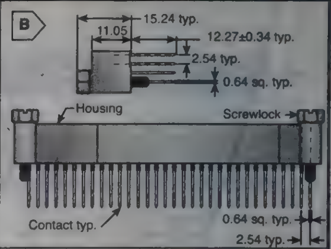
MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Price Each			
				1	25	50	100
571-1375801-1	1375801-1	M	Shroud, PC/104-Plus	1.68	1.51	1.43	1.34
571-1445251-1	1445251-1	N	Organizer, PC/104	2.14	1.93	1.82	1.71

DIMENSIONS: mm

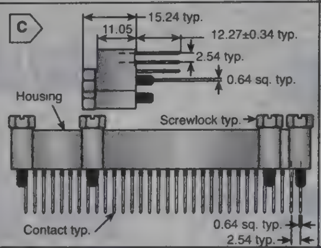
A


11.05
12.27±0.34 typ.
2.54 typ.
0.64 typ.
Contact typ.
0.64 sq. typ.
2.54 typ.

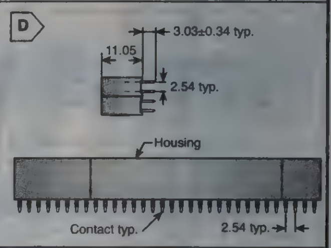
B


15.24 typ.
11.05
12.27±0.34 typ.
2.54 typ.
0.64 sq. typ.
Housing
Screwlock
Contact typ.
0.64 sq. typ.
2.54 typ.

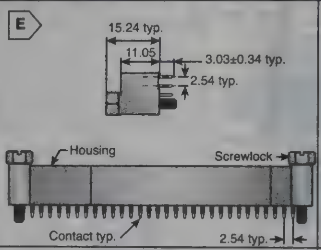
C


15.24 typ.
11.05
12.27±0.34 typ.
2.54 typ.
0.64 sq. typ.
Housing
Screwlock typ.
Contact typ.
0.64 sq. typ.
2.54 typ.

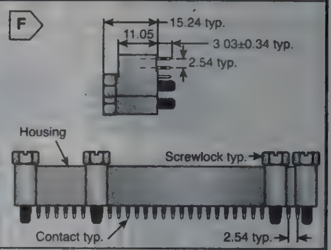
D


11.05
3.03±0.34 typ.
2.54 typ.
Housing
Contact typ.
2.54 typ.

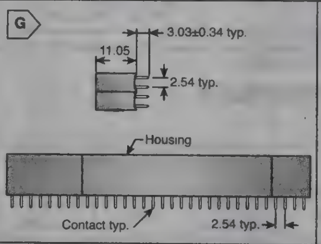
E


15.24 typ.
11.05
3.03±0.34 typ.
2.54 typ.
Housing
Screwlock
Contact typ.
2.54 typ.

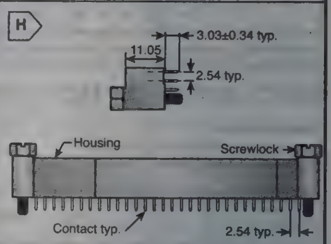
F


15.24 typ.
11.05
3.03±0.34 typ.
2.54 typ.
Housing
Screwlock typ.
Contact typ.
2.54 typ.

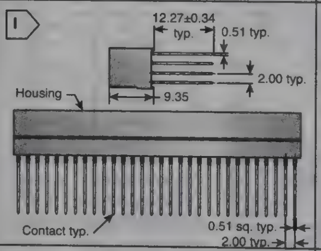
G


3.03±0.34 typ.
11.05
2.54 typ.
Housing
Contact typ.
2.54 typ.

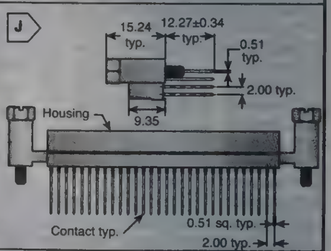
H


3.03±0.34 typ.
11.05
2.54 typ.
Housing
Screwlock
Contact typ.
2.54 typ.

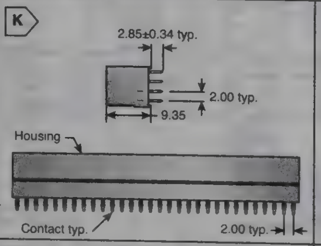
I


12.27±0.34 typ.
0.51 typ.
2.00 typ.
Housing
9.35
Contact typ.
0.51 sq. typ.
2.00 typ.

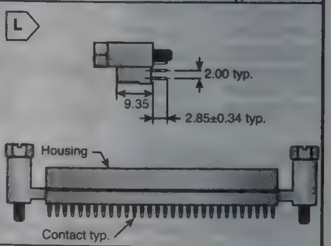
J


15.24 typ.
12.27±0.34 typ.
0.51 typ.
2.00 typ.
Housing
9.35
Contact typ.
0.51 sq. typ.
2.00 typ.

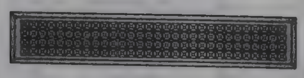
K


2.85±0.34 typ.
2.00 typ.
9.35
Housing
Contact typ.
2.00 typ.

L


2.00 typ.
9.35
2.85±0.34 typ.
Housing
Contact typ.

M



N

AMP Z-Pack Connectors

Z-PACK 2MM FB (FUTUREBUS+) CONNECTORS

- High density connections: 4 row, 2mm x 2mm circuit grid
- Compatible to IEC67076-4-0X(48B) and EIA SP3179
- Current Rating: Signal Contacts: 1A, Power Contacts: 4.6A
- Bellcore approved
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Lead Type	Lead Length (mm)	Dim. A (mm)	Price Each			
							1	25	50	100
Signal Module, Vertical Pin										
571-5536501-1	5536501-1	A	24	Solder	4.25	11.88	2.26	2.03	1.92	1.81
571-5536501-2	5536501-2	A	48	Solder	4.25	23.88	4.16	3.74	3.54	3.33
571-5536501-3	5536501-3	A	96	Solder	4.25	47.88	8.72	7.85	7.41	6.98
571-5536501-4	5536501-4	A	192	Solder	4.25	95.88	13.20	11.88	11.22	10.56
571-5536504-1	5536504-1	A	24	Press-Fit	4.25	11.88	2.50	2.25	2.13	2.00
571-5536504-2	5536504-2	A	48	Press-Fit	4.25	23.88	4.78	4.30	4.06	3.82
571-5536504-3	5536504-3	A	96	Press-Fit	4.25	47.88	7.60	6.84	6.46	6.08
571-5536504-4	5536504-4	A	192	Press-Fit	4.25	95.88	13.20	11.88	11.22	10.56
Signal Module, Right Angle Receptacle										
571-5536507-1	5536507-1	B	24	Solder	2.73	11.88	2.70	2.43	2.30	2.16
571-5536507-2	5536507-2	B	48	Solder	2.73	23.88	4.62	4.16	3.93	3.70
571-5536507-3	5536507-3	B	96	Solder	2.73	47.88	8.22	7.40	6.99	6.50
571-5536507-6	5536507-6	B	120	Solder	2.73	59.88	10.04	9.04	8.53	8.03
571-5536507-4	5536507-4	B	192	Solder	2.73	95.88	14.48	13.03	12.31	11.58
571-5536510-1	5536510-1	B	24	Solder	3.53	11.88	3.74	3.37	3.18	2.99
571-5536510-2	5536510-2	B	48	Solder	3.53	23.88	5.32	4.79	4.52	4.26
571-5536510-3	5536510-3	B	96	Solder	3.53	47.88	8.26	7.43	7.02	6.61
571-5536510-4	5536510-4	B	192	Solder	3.53	95.88	16.70	15.03	14.20	13.36
Power Module, Vertical Pin										
571-5536600-1	5536600-1	C	8	Solder	4.25	11.83	2.66	2.39	2.26	2.13
571-5536603-1	5536603-1	C	8	Press-Fit	4.25	11.83	2.84	2.56	2.41	2.27
Power Module, Right Angle Receptacle										
571-5536607-1	5536607-1	D	8	Solder	2.73	11.88	3.26	2.93	2.77	2.61
571-5536613-1	5536613-1	D	8	Solder	3.53	11.88	4.66	4.19	3.96	3.73
571-5536614-1	5536614-1	D	8	Press-Fit	3.56	11.88	5.20	4.68	4.42	4.16

Z-PACK 2MM HM CONNECTORS FOR COMPACT PCI

- High density system with small real estate on backplane and daughter card
- In accordance with IEC 917 and IEC 61076-4-101
- Universal Power Module rated at 7.8A/line, 23.4A fully energized
- Signal Contact Rating: 1.5A fully energized
- 5 + 2 Row Configuration
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Dim. A (mm)	Price Each			
					1	25	50	100
571-5188834-1	5188834-1	E	110P Type A Vertical Male; Feed-To	- - -	7.92	7.23	6.88	6.54
571-1061372	1061372	--	Shroud for 110P Type A Male	- - -	1.32	1.19	1.12	1.06
571-51005256	51005256	--	3.3V Key for 110P Type A Male	- - -	.63	.57	.53	.50
571-31005252	31005252	--	5V Key for 110P Type A Male	- - -	.63	.57	.53	.50
571-5352068-1	5352068-1	F	110P Type A Right Angle Female	- - -	8.24	7.42	7.00	6.59
571-51005266	51005266	--	3.3V Key for 110P Type A Female	- - -	.63	.57	.53	.50
571-31005262	31005262	--	5V Key for 110P Type A Female	- - -	.63	.57	.53	.50
571-5188835-1	5188835-1	G	110P Type B Vertical Male; Feed-To	3.7	7.92	7.23	6.88	6.54
571-5352128-1	5352128-1	G	110P Type B Vertical Male; Feed-Thru	14.5/16.0	11.03	9.37	8.91	8.44
571-5352152-1	5352152-1	H	125P Type B Right Angle Female; 22 Col.	49.9	8.24	7.42	7.00	6.59
571-5352171-1	5352171-1	H	125P Type B Right Angle Female; 19 Col.	37.9	8.12	7.41	7.05	6.70
571-5352033-1	5352033-1	I	95P Type B Vertical Male; Feed-To	3.7	6.50	6.04	5.96	5.63
571-5352127-1	5352127-1	I	95P Type B Vertical Male; Feed-Thru	14.5/16.0	10.24	9.32	9.01	8.39

Z-PACK HM-ZD

- Designed for high speed differential applications
- Modular connector system with a standard module size of 25mm
- 4 signal contact pairs per column compatible with 8 row HM
- Contact pitch is 1.55mm within a pair; 3.0mm pair to pair
- Column to column pitch is 2.5mm
- Card pitch is 1.0" for 40 pair headers
- RoHS Compliant per Tyco Electronics documentation

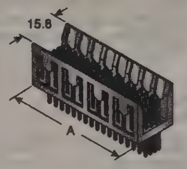
RoHS Compliant

For quantities of 50 and up, call for quote.

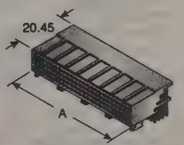
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	5	10	25
571-6469001-1	6469001-1	J	Receptacle Assembly, 40 pair	17.76	16.88	15.99	15.10
571-6469002-1	6469002-1	K	Header Assembly, 40 pair	12.02	11.42	10.82	10.22

DIMENSIONS: mm

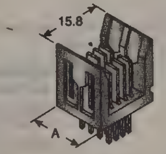
A



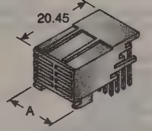
B



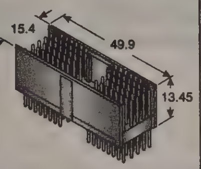
C



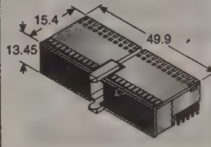
D



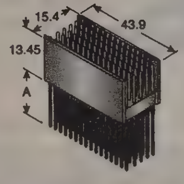
E



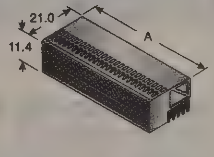
F



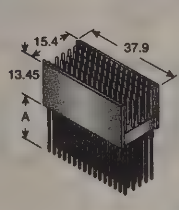
G



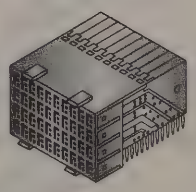
H



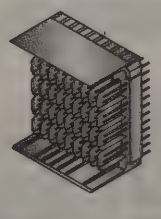
I



J



K



AMPHENOL Smart Card Connectors

RoHS Compliant **This page of product is compliant.**

SIMLOCK®

The SIMLOCK® acceptor is designed to accept the GSM 11.11 miniature SIM (Security Identity Module). The standard is also popular for use as a SAM (Security Access Module) in EFT applications. The designer does not have to be concerned with housing tolerances and card guiding due to a self contained system.

Features:
- Reliable function in locked state during mobile use
- Polarization
- Card presence switch available
- Surface Mount Type
- Tape and Reel
- Contact position meets ISO 7816 and/or GSM 11.11
- Suitable for automatic assembly processes (Pick & Place, Tape & Reel, Reflow)

Specifications:
- Color: Black
- Housing: UL94V-0
- Number of Contacts: 6 (3+3)
- Contact Plating: Gold over Nickel
- Operating Temperature: -40°C to +85°C
- Soldering Conditions: Infrared reflow- 245°C, 10 s max

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	25	50	100
523-C70710M0065222	C707 10M006 522 2	A	With card presence switch, w/o positioning pins	1.91	1.72	1.56	1.43
523-C70710M0065232	C707 10M006 523 2	A	With card presence switch and positioning pins	1.91	1.72	1.56	1.43
523-C70710M0060492	C707 10M006 049 2	B	Low Profile with 2 different positioning pins	1.80	1.62	1.47	1.35
523-C70710M0065002	C707 10M006 500 2	B	Low profile, w/o positioning pins, index dim. unnecessary	1.56	1.51	1.38	1.28

SIMBLOCK®

The SIMBLOCK® is an SMT contact block that can be used in applications where space is at a premium, making it suitable for mobile applications from handsets to e-purses

Features:
- Small footprint
- Multidirectional card insertion
- Secure contacts
- Surface Mount Type
- Pick and Place area
- Contact position meets ISO 7816 and/or GSM 11.11

Specifications:
- Color: Black
- Housing: UL94V-0
- Contact Plating: Gold over Nickel
- Operating Temperature: -40°C to +85°C
- Soldering Conditions: Infrared reflow- 245°C, 10 s max

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	25	50	100
523-C70710M0061192	C707 10M006 119 2	C	2mm SIMBLOCK without switch, 6 contacts (3+3)	.62	.56	.51	.47
523-C70710M0060522	C707 10M006 052 2	D	2mm SIMBLOCK without switch, 8 contacts	2.13	1.92	1.75	1.60
523-C70710M0061362	C707 10M006 136 2	E	2mm BRIDGEBLOCK with card guide & stop, 6 contacts	1.11	1.00	.91	.87
523-C70710M0060972	C707 10M006 097 2	F	2.8mm WINGBLOCK with card guide & stop, 6 contacts	1.29	1.16	1.05	.97

HYBRID READER

The manual Hybrid Reader accepts both ISO 7810 magstripe cards and ISO 7816 chip cards in the same slot. Push-pull card handling allows reading of the magnetic stripe on the way in or out, and reading/writing of the chip card when card is fully inserted.

Features:
- Tracks: 1+2+3
- Magnetic head on bottom
- Dual head chip reader
- Decoder circuit for each track

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each		
				1	25	50
523-C70310M0086095	C703 10M008 609 5	G	Standard print, low profile	32.20	29.72	27.60

SUPERFLAT STYLE

The Superflat style connector which is extremely low profile and compact, having an average insertion cycle life of 200k+ cycles with some applications achieving 500k insertions cycles. The acceptor features a flex film I/O, and a normally open card presence switch (closes upon card insertion). These connectors are common in piont of sale systems, mobile devices, access control and keyboards.

Features:
- Contact position meets ISO 7816
- Versions according to EMV
- Panel mount
- Card presence switch- Normally open

Specifications:
- Color: Ivory
- Contact Plating: Tin bronze with selective gold
- Operating Temperature: -25°C to +65°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	25	50	100
523-C70210M0080654	C702 10M008 065 4	H	Standard print, EMV	12.98	11.47	10.58	9.83
523-C70210M0080014	C702 10M008 001 4	H	Standard print	12.94	11.92	11.04	10.73
523-C70210M0080664	C702 10M008 066 4	I	Standard print, snap in with board locks, EMV	10.19	9.31	8.57	7.94

MONOBLOCK PCB

The monoblock is a single molded part and is one of the most diverse around. It is widely used in applications requiring tracking and authentication like satellite TV receivers, access control to computer main frames and many medical devices.

Features:
- Low cost
- Contact position meets ISO 7810, 7816
- Card presence switch- Normally closed

Specifications:
- PCB mounting type
- PCB Thickness: 1.40mm - 1.68mm

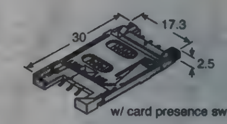
RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Description	Price Each			
				1	25	50	100
523-C70210M00823040	C702 10M008 230 40	J	Wiping contact, low profile, board locks	1.24	1.12	1.02	.93
523-C70210M00823240	C702 10M008 232 40	J	Wiping contact, 3mm standoff, board locks	1.29	1.16	1.05	.97
523-C70210M00823440	C702 10M008 234 40	J	Wiping contact, 5mm standoff, board locks	1.00	.97	.89	.83

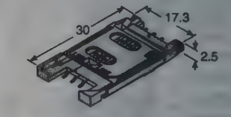
DIMENSIONS: mm

A

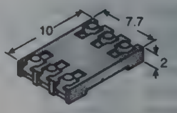


w/ card presence switch

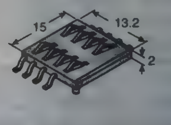
B



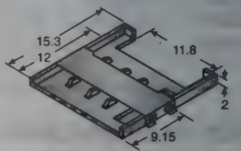
C



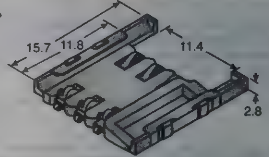
D



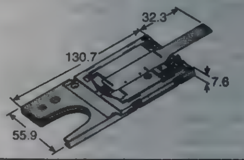
E



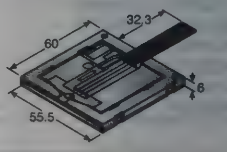
F



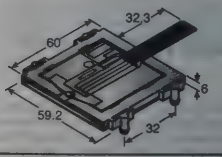
G



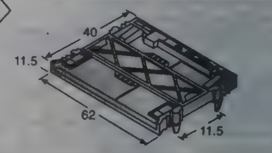
H



I



J



AVX PCI Express, 2mm Hard Metric & DIN 41612 Connectors

A KYOCERA GROUP COMPANY

RoHS Compliant **This page of product is compliant.**

PCI EXPRESS

Features:
- Tails are offset to form 4 rows on a 2.00mm pitch, thus making wave soldering easier
- Connectors come with locating bosses to help align the connector to PCB (motherboard)
- Raised ridge at the topside of the connector, which can be used to lock/retain graphic card
- Molded polarization key prevents improper insertion of PBC
- Connectors have slots to accept "add in" cards with thickness of 1.58mm (0.062")
- RoHS compliant per AVX documentation.

Specifications:
- Contact Rating: 1.1A max.
- Contact Resistance: 30 mΩ max.
- Contact Material: Phosphor Bronze
- Insulator Material: 30% Glass Filled Nylon
- Insulation Resistance: 100 MΩ 50, 50V AC

- Lead Free

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Number of Contacts	Tail Length	Terminal Area	Price Each			
						1	10	25	50
581-20632536001006	20-6325-036-001-006	A	36	2.3 mm	Tin Lead Free	1.02	.97	.92	.87
581-20632536002006	20-6325-036-002-006	A	36	3.0 mm	Tin Lead Free	1.02	.97	.92	.87
581-20632598001006	20-6325-098-001-006	A	98	2.3 mm	Tin Lead Free	1.67	1.51	1.48	1.41
581-20632598002006	20-6325-098-002-006	A	98	3.0 mm	Tin Lead Free	1.70	1.62	1.53	1.45
581-20632516401006	20-6325-164-001-006	A	164	2.3 mm	Tin Lead Free	2.76	2.62	2.48	2.35
581-20632516402006	20-6325-164-002-006	A	164	3.0 mm	Tin Lead Free	2.76	2.62	2.48	2.35
581-20632516402016	20-6325-164-002-016	A	164	3.0 mm w/latch	Tin Lead Free	2.69	2.44	2.39	2.35

2MM HARD METRIC CONNECTORS

Features:
- Current Rating: 1.0A
- Voltage Rating: 250V max.
- Dielectric Withstanding Voltage: 750VAC rms/min.
- Operating Temperature: -55°C to +125°C
- Contact Material: Phosphor bronze
- Insulator Material: PBT 30% Glass filled, UL94V-0 rated
- Coding Key: Glass filled polyester, UL94V-0 rated
- RoHS Compliant per AVX documentation.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Number of Contacts	Type	Description	Price Each			
						1	10	25	50
Plugs									
581-17720077400002	17-7200-077-400-002	B	77	C	Vertical Male	3.46	3.29	3.11	2.94
581-17720154000002	17-7200-154-000-002	B	154	A	Vertical Male	6.46	6.14	5.81	5.49
581-17720154200002	17-7200-154-200-002	B	154	B22	cPCI P/2/P5	5.30	4.95	4.61	4.34
581-17720133300002	17-7200-133-300-002	B	133	B19	cPCI P3 8.3mm pin mating height	4.77	4.54	4.45	4.39
Right Angle Receptacles									
581-27720055402002	27-7200-055-402-002	C	55	C11	Shielded	2.82	2.68	2.63	2.57
581-27720110000002	27-7200-110-000-002	C	110	A25	cPCI J1 Unshielded	4.25	3.85	3.15	3.05
581-27200110002002	27-7200-110-002-002	C	110	A25	cPCI J1 Shielded	5.18	4.92	4.66	4.40
581-27720110200002	27-7200-110-200-002	C	110	B22	cPCI J2/J5 Unshielded	4.71	4.31	4.09	3.86
581-27200110202002	27-7200-110-202-002	C	110	B22	cPCI J2/J5 Shielded	4.94	4.70	4.65	4.55
581-27720125102002	27-7200-125-102-002	C	125	B25	Shielded	5.58	5.30	5.02	4.74
581-27200095302002	27-7200-095-302-002	C	95	B19	cPCI J3 Shielded	5.38	5.11	4.84	4.57
Coding Keys									
581-67720701403456	67-7200-7014-03456	D			Male 3.3V Cadmium Yellow	1.10	1.05	.99	.94
581-67720701401567	67-7200-7014-01567	D			Male 5.0V Brilliant Blue	1.10	1.05	.99	.94
581-67720711401278	67-7200-7114-01278	D			Female 3.3V Cadmium Yellow	1.10	1.05	.99	.94
581-67720711402348	67-7200-7114-02348	D			Female 5.0V Brilliant Blue	1.10	1.05	.99	.94

DIN 41612 CONNECTORS

Features:
- Basic Grid: 0.100 (2.54) x 0.100 (2.54) – 0.100 (2.54) x 0.200 (5.08)
- Current Rating: 3A @ 20°max. on connectors up to 96 contacts, per UL approval, over 96 contacts must be derated to 1.0A max. VDE, CSA, and other European standards.
- Insulation Resistance: 5000 MΩ min. @ 500 VDC
- RoHS compliant per AVX documentation.

VARIPIN™ - Press fit contact guarantees equal force over entire contact length. The design prevents "eye of the needle" cracking/damage to PCB board.
- Application for PC board thickness ≥ 1.6mm
- 100% press-fit shank

High Temperature Termination: • Molded in SMC polymers • Suitable for infrared/reflow/vapor phase soldering processes up to 250°C

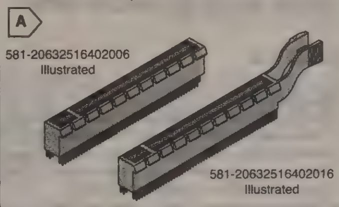
RoHS Compliant

* With keying system

For quantities of 50 and up, call for quote.

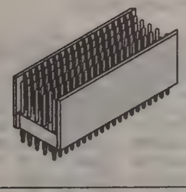
MOUSER STOCK NO.	AVX Part No.	Fig.	No. of Rows	No. of Contacts	Gender	Style	Termination Length	Loading Description	Price Each		
									1	10	25
Solder Termination, Straight											
581-20845764125	20-8457-064-001-025	E	2	64	Female	B	4.5 mm	a & b loaded	3.86	3.67	3.37
581-20845748125	20-8457-048-001-025	E	3	48	Female	1/2 C	4.5 mm	a, b, c loaded	2.60	2.47	2.34
581-10845796125	10-8457-096-001-025	E	3	96	Male	C	3.4 mm	a, b, c loaded	5.64	5.36	4.93
581-20845796125	20-8457-096-001-025	E	3	96	Female	C	4.5 mm	a, b, c loaded	6.02	5.72	5.42
581-20845796225	20-8457-096-002-025	E	3	96	Female	C	2.9 mm	a, b, c loaded	4.82	4.58	4.34
Solder Termination, Right-Angle											
581-10845796225	10-8457-096-002-025	E	3	96	Male	C	3.0 mm	a, b, c loaded	2.74	2.60	2.33
*581-12845796225	12-8457-096-002-025	E	3	96	Male	C	3.0 mm	a, b, c loaded	3.60	3.43	3.26
581-10845796226	10-8457-096-002-026	E	3	64	Male	C	3.0 mm	a & c loaded	2.72	2.58	2.45
581-10845716225	10-8457-160-002-025	E	5	160	Male	C Expanded	3.0 mm	a, b, c, d, e loaded	9.04	8.59	7.91
Solder Termination-Inverted, Straight											
581-10847796225	10-8477-096-002-025	F	3	96	Male	R	4.5 mm	a, b, c loaded	2.72	2.58	2.38
Solder Termination-Inverted, Right-Angle											
581-20847796225	20-8477-096-002-025	F	3	96	Female	R	3.0 mm	a, b, c loaded	4.84	4.60	4.36
VARIPIN™ Press-Fit Termination, Straight											
581-20845896125	20-8458-096-001-025	G	3	96	Female	C	5.3 mm	a, b, c loaded	3.12	2.97	2.82
581-22845896125	22-8458-096-001-025	G	3	96	Female	C	5.3 mm	a, b, c loaded	6.93	6.59	6.06
*581-208458128125	20-8458-128-001-025	G	4	128	Female	C Expanded	5.3 mm	a, b, c, d loaded	8.33	7.92	7.29
High Temperature Termination, Straight											
581-20855796225	20-8557-096-002-025	H	3	96	Female	C	2.9 mm	a, b, c loaded	5.46	5.19	4.91

A

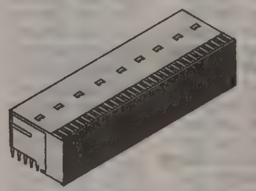

581-20632516402006 Illustrated

581-20632516402016 Illustrated

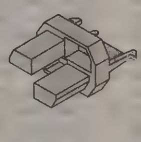
B



C

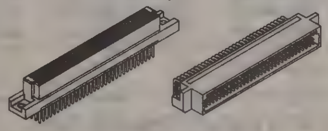


D



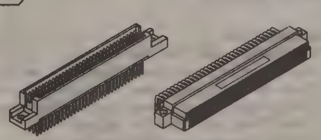
E

Solder Termination



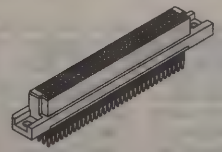
F

Solder Termination-Inverted



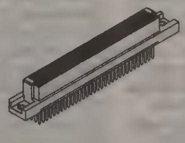
G

Varipin™ Press-Fit Termination



H

High Temperature Termination



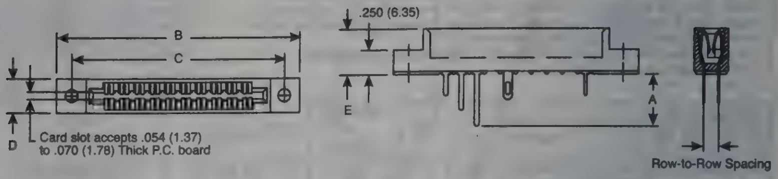
EDAC Card Edge Connectors

CARD EDGE CONNECTORS

DIMENSIONS: In. (mm)

Solder Tail

Specifications:
- Insulator Material: Thermoplastic Polyester, UL 94V-O
- Contact Material: Copper, Nickel, Tin Alloy CA-725 or Phosphor Bronze Alloy CA-510
- Contact Plating: Gold on mating area, tin-lead on contact tails, nickel underplate.
- Colors: Series 305, 306, 341, and 346 are green. Series 357 and 395 are black.
- Insulation Resistance: 5000MΩ @ 500 VDC
- Dielectric Withstanding Voltage: 1500 VAC RMS @ sea level
- Current Rating: 3A
- Contact Resistance: 6mΩ max.


.250 (6.35)
B
C
A
D
E
Card slot accepts .054 (1.37) to .070 (1.78) Thick P.C. board
Row-to-Row Spacing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Number of Contacts	Spacing In. (mm)		Dimensions In. (mm)					Price Each			
			Row-to-Row	Contact Centers	A	B	C	D	E	1	25	50	100
* 587-306-52-010	306-010-520-102	10	-	.156 (3.96)	.213 (5.41)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	5.50	5.23	4.95	4.68
587-341-012	341-012-520-202	12	.140 (3.56)	.100 (2.54)	.125 (3.18)	1.475 (37.47)	1.175 (29.85)	.330 (8.38)	.437 (11.10)	5.00	4.75	4.53	4.25
587-305-52-012	305-012-520-202	12	.140 (3.56)	.156 (3.96)	.213 (5.41)	1.842 (46.79)	1.532 (38.91)	.343 (8.71)	.460 (11.68)	3.90	3.73	3.51	3.34
* 587-306-52-015	306-015-520-102	15	-	.156 (3.96)	.213 (5.41)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	7.22	5.70	5.13	3.72
* 587-306-52-018	306-018-520-102	18	-	.156 (3.96)	.213 (5.41)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	8.34	7.97	7.51	7.14
587-341-020	341-020-520-202	20	.140 (3.56)	.100 (2.54)	.125 (3.18)	1.875 (47.63)	1.575 (40.01)	.330 (8.38)	.437 (11.10)	5.72	5.44	5.15	4.87
587-395-020	395-020-520-202	20	.200 (5.08)	.100 (2.54)	.175 (4.45)	1.835 (46.61)	1.575 (40.01)	.370 (9.40)	.600 (15.24)	2.64	2.29	2.13	1.96
587-357-020	357-020-520-202	20	.200 (5.08)	.156 (3.96)	.213 (5.41)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	4.54	4.34	4.09	3.89
* 587-306-52-022	306-022-520-102	22	-	.156 (3.96)	.213 (5.41)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	9.72	9.24	8.75	8.27
587-305-52-024	305-024-520-202	24	.140 (3.56)	.156 (3.96)	.213 (5.41)	2.778 (70.56)	2.468 (62.69)	.343 (8.71)	.460 (11.68)	4.58	4.36	4.15	3.90
587-357-024	357-024-520-202	24	.200 (5.08)	.156 (3.96)	.213 (5.41)	2.778 (70.56)	2.468 (62.69)	.343 (8.71)	.460 (11.68)	4.68	4.47	4.24	4.01
587-395-026	395-026-520-202	26	.200 (5.08)	.100 (2.54)	.175 (4.45)	2.135 (54.23)	1.875 (47.63)	.370 (9.40)	.600 (15.24)	4.88	4.64	4.40	4.15
587-341-030	341-030-520-202	30	.140 (3.56)	.100 (2.54)	.125 (3.18)	2.375 (60.33)	2.075 (52.71)	.330 (8.38)	.437 (11.10)	6.66	6.37	6.00	5.70
587-395-030	395-030-520-202	30	.200 (5.08)	.100 (2.54)	.175 (4.45)	2.335 (59.31)	2.075 (52.71)	.370 (9.40)	.600 (15.24)	5.14	4.91	4.63	4.37
587-305-52-030	305-030-520-202	30	.140 (3.56)	.156 (3.96)	.213 (5.41)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	4.92	4.70	4.46	4.19
587-357-030	357-030-520-202	30	.200 (5.08)	.156 (3.96)	.213 (5.41)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	5.00	4.75	4.53	4.25
587-395-036	395-036-520-202	36	.200 (5.08)	.100 (2.54)	.175 (4.45)	2.635 (66.93)	2.375 (60.33)	.370 (9.40)	.600 (15.24)	5.36	5.12	4.83	4.56
587-305-52-036	305-036-520-202	36	.140 (3.56)	.156 (3.96)	.213 (5.41)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	5.26	5.00	4.74	4.50
587-357-036	357-036-520-202	36	.200 (5.08)	.156 (3.96)	.213 (5.41)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	5.72	5.44	5.15	4.87
587-341-040	341-040-520-202	40	.140 (3.56)	.100 (2.54)	.125 (3.18)	2.875 (73.03)	2.575 (65.41)	.330 (8.38)	.437 (11.10)	7.36	7.00	6.63	6.30
587-395-040	395-040-520-202	40	.200 (5.08)	.100 (2.54)	.175 (4.45)	2.835 (72.01)	2.575 (65.41)	.370 (9.40)	.600 (15.24)	5.60	5.35	5.04	4.79
587-395-044	395-044-520-202	44	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.035 (77.09)	2.775 (70.49)	.370 (9.40)	.600 (15.24)	5.94	5.65	5.35	5.05
587-346-044	346-044-520-202	44	.250 (6.35)	.125 (3.18)	.175 (4.45)	3.560 (90.42)	3.295 (83.69)	.370 (9.40)	.600 (15.24)	5.48	5.21	4.94	4.69
587-305-52-044	305-044-520-202	44	.140 (3.56)	.156 (3.96)	.213 (5.41)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	5.84	5.58	5.26	5.00
587-357-044	357-044-520-202	44	.200 (5.08)	.156 (3.96)	.213 (5.41)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	6.66	6.37	6.00	5.70
587-341-050	341-050-520-202	50	.140 (3.56)	.100 (2.54)	.125 (3.18)	3.375 (85.73)	3.075 (78.11)	.330 (8.38)	.437 (11.10)	8.34	7.97	7.51	7.14
587-395-050	395-050-520-202	50	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.335 (84.71)	3.075 (78.11)	.370 (9.40)	.600 (15.24)	6.30	5.99	5.71	5.39
587-395-056	395-056-520-202	56	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.635 (92.33)	3.375 (85.73)	.370 (9.40)	.600 (15.24)	6.66	6.37	6.00	5.70
587-346-056	346-056-520-202	56	.250 (6.35)	.125 (3.18)	.175 (4.45)	4.310 (109.47)	4.045 (102.74)	.370 (9.40)	.600 (15.24)	4.81	4.59	4.40	4.22
587-395-060	395-060-520-202	60	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.835 (97.41)	3.575 (90.81)	.370 (9.40)	.600 (15.24)	6.88	6.58	6.20	5.89
587-395-062	395-062-520-202	62	.200 (5.08)	.100 (2.54)	.175 (4.45)	3.935 (99.95)	3.675 (93.35)	.370 (9.40)	.600 (15.24)	7.24	6.92	6.56	6.20
587-346-072	346-072-520-202	72	.250 (6.35)	.125 (3.18)	.175 (4.45)	5.310 (134.87)	5.045 (128.14)	.370 (9.40)	.600 (15.24)	6.88	6.58	6.20	5.89
587-346-100	346-100-520-202	100	.250 (6.35)	.125 (3.18)	.175 (4.45)	7.060 (170.32)	6.795 (172.59)	.370 (9.40)	.600 (15.24)	10.04	9.59	9.04	8.59

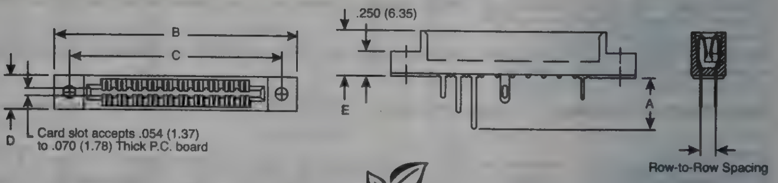
* Single Row

CARD EDGE CONNECTORS

DIMENSIONS: In. (mm)

Solder Eyelets

Specifications:
- RoHS compliant per EDAC documentation
- Insulator Material: Thermoplastic Polyester, UL 94V-O
- Contact Material: Copper, Nickel, Tin Alloy CA-725 or Phosphor Bronze Alloy CA-510
- Contact Plating: Gold on mating area, tin-lead on contact tails, nickel underplate
- Colors: Series 305, 306 and 307 are green
- Insulation Resistance: 5000MΩ @ 500 VDC
- Dielectric Withstanding Voltage: 1500 VAC RMS @ sea level
- Current Rating: 3A
- Contact Resistance: 6mΩ max.


.250 (6.35)
B
C
A
D
E
Card slot accepts .054 (1.37) to .070 (1.78) Thick P.C. board
Row-to-Row Spacing

RoHS Compliant

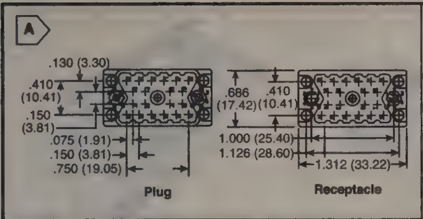
For quantities of 250 and up, call for quote.

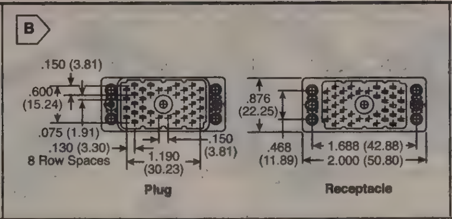
MOUSER STOCK NO.	EDAC Part No.	Number of Contacts	Spacing In. (mm)		Dimensions In. (mm)					Price Each			
			Row-to-Row	Contact Centers	A	B	C	D	E	1	25	50	100
* 587-306-50-010	306-010-500-102	10	-	.156 (3.96)	.282 (7.16)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	5.50	5.23	4.95	4.68
587-305-50-012	305-012-500-202	12	.140 (3.56)	.156 (3.96)	.282 (7.16)	1.842 (46.79)	1.532 (38.91)	.343 (8.71)	.460 (11.68)	3.90	3.73	3.51	3.34
587-307-012	307-012-500-202	12	.200 (5.08)	.156 (3.96)	.282 (7.16)	1.842 (46.79)	1.532 (38.91)	.343 (8.71)	.460 (11.68)	3.22	3.08	2.92	2.74
* 587-306-50-015	306-015-500-102	15	-	.156 (3.96)	.282 (7.16)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	7.22	6.86	6.50	6.14
* 587-306-50-018	306-018-500-102	18	-	.156 (3.96)	.282 (7.16)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	8.34	7.97	7.51	7.14
587-305-50-020	305-020-500-202	20	.140 (3.56)	.156 (3.96)	.282 (7.16)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	4.12	3.94	3.71	3.53
587-307-020	307-020-500-202	20	.200 (5.08)	.156 (3.96)	.282 (7.16)	2.466 (62.64)	2.156 (54.76)	.343 (8.71)	.460 (11.68)	4.50	4.30	4.08	3.83
* 587-306-50-022	306-022-500-102	22	-	.156 (3.96)	.282 (7.16)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	9.72	9.24	8.75	8.27
587-305-50-024	305-024-500-202	24	.140 (3.56)	.156 (3.96)	.282 (7.16)	2.778 (70.56)	2.468 (62.69)	.343 (8.71)	.460 (11.68)	4.58	4.36	4.15	3.90
587-307-024	307-024-500-202	24	.200 (5.08)	.156 (3.96)	.282 (7.16)	2.778 (70.56)	2.468 (62.69)	.343 (8.71)	.460 (11.68)	4.64	4.41	4.18	3.97
587-305-50-030	305-030-500-202	30	.140 (3.56)	.156 (3.96)	.282 (7.16)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	4.92	4.70	4.46	4.19
587-307-030	307-030-500-202	30	.200 (5.08)	.156 (3.96)	.282 (7.16)	3.246 (82.45)	2.936 (74.57)	.343 (8.71)	.460 (11.68)	3.53	3.36	3.23	3.11
587-305-50-036	305-036-500-202	36	.140 (3.56)	.156 (3.96)	.282 (7.16)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	5.26	5.00	4.74	4.50
587-307-036	307-036-500-202	36	.200 (5.08)	.156 (3.96)	.282 (7.16)	3.714 (94.34)	3.404 (86.46)	.343 (8.71)	.460 (11.68)	5.66	5.38	5.13	4.84
587-305-50-044	305-044-500-202	44	.140 (3.56)	.156 (3.96)	.282 (7.16)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	5.84	5.58	5.26	5.00
587-307-044	307-044-500-202	44	.200 (5.08)	.156 (3.96)	.282 (7.16)	4.338 (110.19)	4.028 (102.31)	.343 (8.71)	.460 (11.68)	4.77	4.54	4.35	4.10

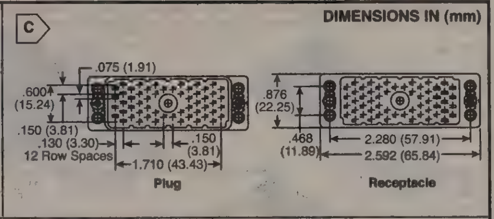
* Single Row

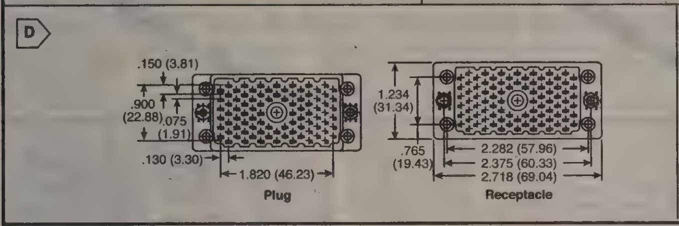
EDAC Rack and Panel Connectors

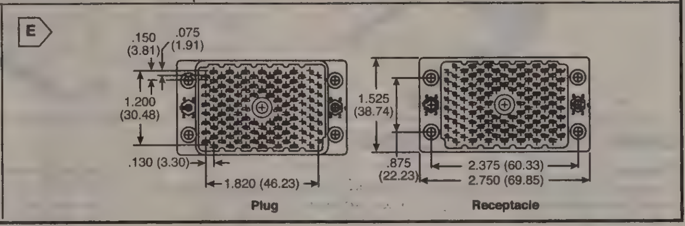
DIMENSIONS IN (mm)


A
.130 (3.30)
.410 (10.41)
.150 (3.81)
.075 (1.91)
.150 (3.81)
.750 (19.05)
.686 (17.42)
.410 (10.41)
1.000 (25.40)
1.126 (28.60)
1.312 (33.22)
Plug
Receptacle


B
.150 (3.81)
.600 (15.24)
.075 (1.91)
.130 (3.30)
8 Row Spaces
1.190 (30.23)
.150 (3.81)
.876 (22.25)
.468 (11.89)
1.688 (42.88)
2.000 (50.80)
Plug
Receptacle


C
.075 (1.91)
.600 (15.24)
.150 (3.81)
.130 (3.30)
12 Row Spaces
.150 (3.81)
1.710 (43.43)
.876 (22.25)
.468 (11.89)
2.280 (57.91)
2.592 (65.84)
Plug
Receptacle


D
.150 (3.81)
.900 (22.88)
.075 (1.91)
.130 (3.30)
1.820 (46.23)
1.234 (31.34)
.765 (19.43)
2.282 (57.96)
2.375 (60.33)
2.718 (69.04)
Plug
Receptacle


E
.150 (3.81)
.075 (1.91)
1.200 (30.48)
.130 (3.30)
1.820 (46.23)
1.525 (38.74)
.875 (22.23)
2.375 (60.33)
2.750 (69.85)
Plug
Receptacle

RACK AND PANEL CONNECTORS

Features:
- RoHS compliant per EDAC documentation
- UL Recognized
- Plug and Receptacle in 20, 38, 56, 90 and 120 contact sizes
- Highly reliable Edacon Hermaphroditic Contact Design with four contact mating surfaces
- Contact termination options include: Crimp, P.C. Tail, Wire Hole, and Wire Wrap
- Mating and unmating simplified with actuating screws
- Optional metal covers with side entry available for all connector sizes
- Versatile metal cover design permits assembly or disassembly after cabling is complete plus cable entry style flexibility.

Specifications:
- Insulator Material: Series 100 and 200: Green Diallyl Phthalate
  Series 300 and 400: Gray Polycarbonate
- Contact Material: Phosphor Bronze Alloy CA-510
- Contact Plating: Gold over Nickel
- Cover Material: Die-cast Zinc, finished with gray enamel paint
- Current Rating: 8.5 Amps
- Contact Resistance: 10mΩ maximum
- Dielectric Withstanding Voltage: 2000VAC rms at sea level
- Insulation Resistance: 5000MΩ minimum
- Operating Temperature: -65 to +125 degrees C
- Insertion and Withdrawal Force: 2 to 16 oz.(0.56 to 4.45 N) per contact pos.

Plugs

RoHS Compliant For quantities of 500 and up, call for quote.

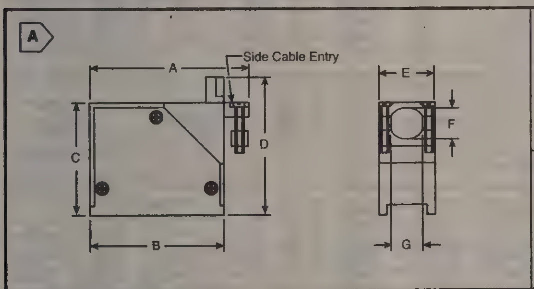
MOUSER STOCK NO.	EDAC Part No.	Fig.	Number of Contacts	Description	Price Each			
					1	10	25	100
587-020-301	516-020-000-301	A	20	With Screw	10.08	9.58	9.13	8.57
587-020-302	516-020-000-302	A	20	With Nut	7.32	7.00	6.59	6.26
587-038-301	516-038-000-301	B	38	With Screw	9.11	8.66	6.84	6.69
587-038-302	516-038-000-302	B	38	With Nut	7.22	6.86	6.50	6.14
587-056-301	516-056-000-301	C	56	With Screw	9.10	8.81	6.83	6.68
587-056-302	516-056-000-302	C	56	With Nut	7.44	7.11	6.74	6.37
587-090-301	516-090-000-301	D	90	With Screw	17.61	17.10	13.22	12.90
587-090-302	516-090-000-302	D	90	With Nut	9.02	8.62	8.12	7.72
587-120-101	516-120-000-101	E	120	With Screw	20.63	20.00	19.33	18.71
587-120-102	516-120-000-102	E	120	With Nut	12.02	11.42	10.88	10.28

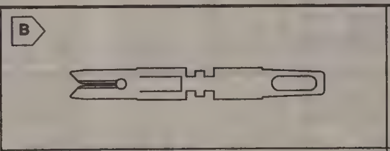
Receptacles

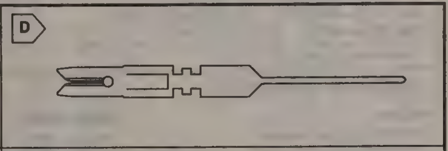
RoHS Compliant For quantities of 500 and up, call for quote.

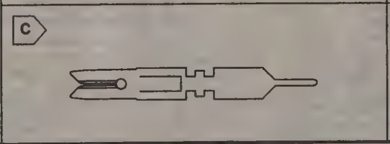
MOUSER STOCK NO.	EDAC Part No.	Fig.	Number of Contacts	Description	Price Each			
					1	10	25	100
587-020-401	516-020-000-401	A	20	With Screw	9.62	9.19	8.66	8.23
587-020-402	516-020-000-402	A	20	With Nut	5.89	5.55	4.92	4.88
587-038-401	516-038-000-401	B	38	With Screw	10.08	9.58	9.13	8.57
587-038-402	516-038-000-402	B	38	With Nut	6.22	6.00	5.80	5.61
587-056-401	516-056-000-401	C	56	With Screw	10.22	9.77	9.25	8.69
587-056-402	516-056-000-402	C	56	With Nut	7.22	6.86	6.50	6.14
587-090-401	516-090-000-401	D	90	With Screw	19.46	18.49	17.52	16.64
587-090-402	516-090-000-402	D	90	With Nut	7.82	7.57	5.86	5.65
587-120-201	516-120-000-201	E	120	With Screw	23.66	22.48	21.42	20.12
587-120-202	516-120-000-202	E	120	With Nut	11.10	10.76	10.40	10.06

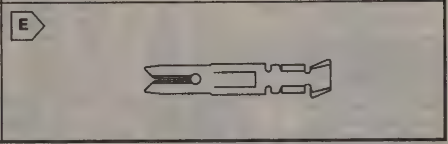
RACK AND PANEL ACCESSORIES


A
A
Side Cable Entry
C
D
B
E
F
G









Metal Covers - Side Entry

Features:
- Die cast Zinc finished with a gray enamel paint
- Covers with side entry cable clamp (Orientation of clamp on metal covers may be changed by the customer)
- Versatile metal cover design permits assembly or disassembly after cabling is complete
- Screws for securing cover to 516 series connectors supplied
- RoHS compliant per EDAC documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	No. of Contacts	Dimensions (mm)							Price Each			
				A	B	C	D	E	F	G	1	10	25	100
587-230-520	516-230-520	A	20	39.09	33.66	23.01	28.45	17.42	11.33	12.45	13.71	13.06	12.85	12.37
587-230-538	516-230-538	A	38	56.03	51.05	39.78	44.86	22.23	18.29	14.61	15.72	15.22	14.72	14.24
587-230-556	516-230-556	A	56	71.17	66.09	39.78	44.86	22.23	18.29	14.61	17.21	16.67	12.91	12.52
587-230-590	516-230-590	A	90	79.20	69.04	45.09	55.25	31.34	22.35	22.86	17.62	17.10	13.22	12.88
587-230-512	516-230-512	A	120	80.65	69.85	51.31	62.10	38.89	22.61	27.43	19.46	18.84	18.22	17.63

Contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Fig.	Description	Price Each		
				1	100	500
587-290-500	516-290-500	B	Wire Hole	.18	.17	.16
587-290-520	516-290-520	C	P.C. Tail	.20	.19	.18
587-290-541	516-290-541	D	Wirewrap	.24	.23	.22
587-290-590	516-290-590	E	Crimp	.18	.17	.16

Tools

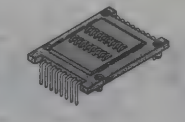
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	EDAC Part No.	Description	Price Each
587-280-201	516-280-201	Crimp Tool	184.64
587-280-300	516-280-300	Extraction Tool	57.26

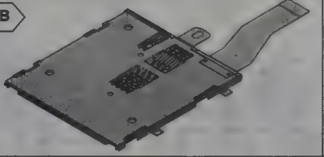
FCI Smart Card, PCMCIA Cardbus, and Socket Connectors

RoHS Compliant **This page of product is compliant.**

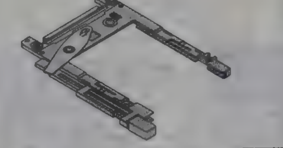
A



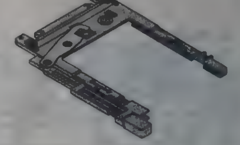
B



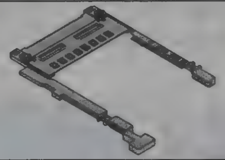
C



D



E



F

G

SMART CARD CONNECTORS

Features:

- Suitable for friendly, harsh, portable or automotive environments
- EMV, NDS approved
- Vandalism-proof designs
- Housing Material: Thermoplastic UL94V-0
- No. of Contacts: 8
- RoHS Compliant per FCI documentation

Specifications:

- Current Rating: 10mA min, 1 A max
- Temperature Range: -40°C to +85°C
- Insulation Resistance: 1000MΩ
- Contact Material: Copper Alloy

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Mounting Style	Thickness	Positioning	Connector Technology	Price Each			
							1	25	50	100
649-7832C0425X01LF	7832C0425X01LF	A	Through Hole	3.90 mm	Pegs	Sliding	3.53	2.15	2.08	1.90
649-7431E0225S01LF	7431E0225S01LF	A	Through Hole	5.80 mm	None	Landing	4.28	2.65	2.55	2.40
649-7432E0225S01LF	7432E0225S01LF	A	Through Hole	5.80 mm	Pegs	Landing	4.48	2.77	2.64	2.51
649-7334L2622F01LF	7334L2622F01LF	A	Through Hole	6.50 mm	Pegs with Boardlocks	Sliding	1.30	.73	.65	.59
649-52400-25ALF	52400-25ALF	A	Through Hole	6.50 mm	Pegs with Boardlocks	Sliding	1.38	.72	.66	.60
649-7334L2622F04LF	7334L2622F04LF	A	Through Hole	7.60 mm	Pegs with Boardlocks	Sliding	1.28	.72	.64	.58
649-7434L0825S01LF	7434L0825S01LF	A	Through Hole	9.00 mm	Pegs with Boardlocks	Sliding	4.46	2.77	2.64	2.50
649-7434L1025V01LF	7434L1025V01LF	A	Through Hole	9.00 mm	Pegs with Boardlocks	Sliding	4.75	2.96	2.88	2.70
649-7334L2622F05LF	7334L2622F05LF	A	Through Hole	10.45 mm	Pegs with Boardlocks	Sliding	1.26	.70	.63	.58
649-7334L2622F13LF	7334L2622F13LF	A	Through Hole	12.63 mm	Pegs with Boardlocks	Sliding	1.38	.72	.67	.62
649-10010556-004LF	10010556-004LF	B	Panel Mount	3.00 mm	Hold Downs	Sliding	6.40	4.25	4.00	3.80
649-55640-20201LF	55640-20201LF	B	Panel Mount	3.70 mm	Screw Holes	Sliding	12.80	7.05	6.35	5.93

PCMCIA HEADERS

Features:

- Insertion Force: 39.2 N max
- Current Rating: 0.5 amp DC per contact
- Insertion Force: 39.2 N max
- Current Rating: 0.5 amp DC per contact

Specifications:

- Withdrawal Force: 6.67 N min 39.2 N max
- UL and CSA approved
- Housing: Black LCP
- Center Line Spacing: 1.27 mm
- RoHS Compliant per FCI documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Mounting Style	Standoff Height	Voltage	No. of Decks	Price Each			
							1	25	50	100
649-61124-250CALF	61124-250CALF	-	Surface Mount	5.0 mm	3.3 V	Double	11.50	8.14	8.00	7.48
649-61125-050CALF	61125-050CALF	C	Surface Mount	5.0 mm	3.3 V	Single	6.58	4.37	4.00	3.92
649-95547-050CALF	95547-050CALF	C	Surface Mount	5.0 mm	5.0 V	Single	6.85	4.55	4.36	4.07
* 649-88640-150LF	88640-150LF	C	Surface Mount	5.0 mm	5.0 V	Single	9.28	6.57	6.00	5.80
649-92194-320CALF	92194-320CALF	D	Through Hole	2.0 mm	5.0 V	Double	12.00	8.49	8.00	7.82
649-92193-120CALF	92193-120CALF	D	Through Hole	2.0 mm	5.0 V	Single	7.38	6.34	6.00	5.58
649-95620-120CALF	95620-120CALF	D	Through Hole	2.0 mm	5.0 V	Single	6.20	4.12	4.00	3.70
649-84648-040HLF	84648-040HLF	D	Through Hole	4.0 mm	3.3 V	Single	9.15	5.72	5.46	5.23
649-92140-010LF	92140-010LF	D	Through Hole	4.0 mm	5.0 V	Single	3.40	2.09	1.96	1.80
649-92789-040HLF	92789-040HLF	D	Through Hole	4.0 mm	5.0 V	Single	4.00	2.80	2.64	2.48
649-61126-050CALF	61126-050CALF	D	Through Hole	5.0 mm	3.3 V	Single	8.70	5.90	5.55	5.31
649-92140-000LF	92140-000LF	D	Through Hole	- - -	5.0 V	Single	5.25	3.27	3.15	2.99

* White Housing Color

CARDBUS HEADERS

Features:

- Conform to CardBus standards
- Usable as a stand alone header
- Card Travel: 8 mm

Specifications:

- No. of Contacts: 136
- Withdrawal Force: 6.67 N min 39.2 N max
- UL and CSA approved
- Housing: Black LCP
- Center Line Spacing: 1.27 mm
- RoHS Compliant per FCI documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Mounting Style	Standoff Height	Eject Style	No. of Decks	Price Each			
							1	25	50	100
649-71299-050CALF	71299-050CALF	E	SMT Vertical PCB	5.0 mm	Front Push Rod	Single	7.28	4.83	4.58	4.34
649-72305-020LF	72305-020LF	E	SMT Vertical PCB	2.2 mm	Non-Eject	Single	16.50	11.40	10.89	10.10

MEMORY SOCKETS FOR DDR2 MEMORY MODULES

Vertical sockets accept DDR2 (Double Data Rate 2) memory module assemblies per JEDEC MO-237 to allow convenient memory expansion in desktop PC's, servers, and communication equipment.

Features:

- 240 Positions
- Centerline Spacing: 1.00mm (0.039 in.)
- Orientation: Vertical
- Voltage: 1.8V
- RoHS Compliant per FCI documentation

Specifications:

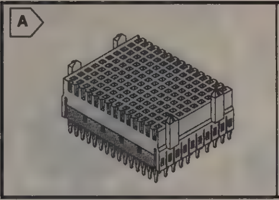
- Plating:
  Contact: 15µ" Gold
  Soldertail: 100µ" Tin
  Underplate: 50µ" Nickel
- Housing Material: Thermoplastic (UL94 V-0)
- Contact Base Metal: Copper Alloy
- Current Rating: 0.5 Amps @ 30°C rise
- Durability (Mating Cycles): 25 Mating cycles per EIA 364

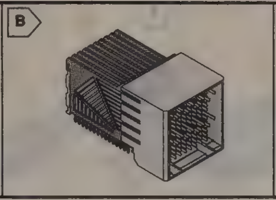
RoHS Compliant

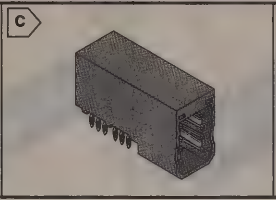
For quantities of 100 and up, call for quote.

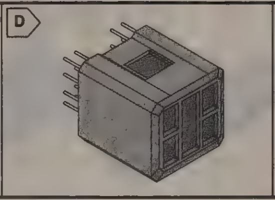
MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Tail Length	Price Each		
					1	25	50
649-10023061-10107LF	10023061-10107LF	F	Black housing and ivory ejector with plastic post	2.67mm (.105 in.)	1.62	1.18	1.13
649-10023061-10127LF	10023061-10127LF	F	Black housing and black ejector with plastic post	2.67mm (.105 in.)	1.62	1.18	1.13
649-10023061-10207LF	10023061-10207LF	F	Black housing and ivory ejector with plastic post	3.18mm (.125 in.)	1.62	1.18	1.13
649-10023061-10227LF	10023061-10227LF	F	Black housing and black ejector with plastic post	3.18mm (.125 in.)	1.62	1.18	1.13
649-10005639-11107LF	10005639-11107LF	G	Black housing and ivory ejector with metal clip	2.67mm (.105 in.)	1.58	1.14	1.10
649-10005639-11127LF	10005639-11127LF	G	Black housing and black ejector with metal clip	2.67mm (.105 in.)	1.66	1.20	1.16
649-10005639-12207LF	10005639-12207LF	G	Black housing and ivory ejector with metal clip	3.18mm (.125 in.)	1.58	1.14	1.10
649-10005639-12227LF	10005639-12227LF	G	Black housing and black ejector with metal clip	3.18mm (.125 in.)	1.66	1.20	1.16

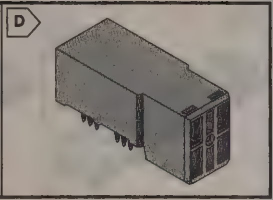
RoHS Compliant This page of product is compliant.











AIRMAX VS® (VIRTUAL SHIELDS) HIGH-SPEED BACKPLANE CONNECTOR SYSTEM

High-speed backplane connector system demonstrated to support differential signaling for data rates up to 25 Gb/s. Connector contacts can be allocated to Differential Pair Signals, Single Ended Signals, or Power. The connector's shieldless design provides options for wider column spacing to permit more traces to be routed on a single board layer to help reduce PCB layer count and cost.

Specifications:

- Termination Style: Press-fit
- Contact Base Material: Copper alloy
- Contact Plating: Au over Ni
- Housing Material: Hi-temp thermo plastic
- RoHS Compliant per FCI documentation
- Tail Plating:
  1: SnPb over Ni
  2: Sn over Ni

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Description	Tail Plating	Column Spacing	No. of Columns	Price Each		
								1	25	50
649-10016537-101LF	10016537-101LF	A	150	Receptacle 5-Pair, Signal	2	2mm	10	12.25	8.90	8.68
649-10025613-101LF	10025613-101LF	B	150	Header 4 Wall Right Angle 5-Pair, Signal	2	2mm	10	13.72	10.49	10.27
649-10035465-101LF	10035465-101LF	A	120	Receptacle 4-Pair, Signal	1	3mm	10	26.94	19.59	19.15
649-10035515-101LF	10035515-101LF	B	120	Header 4 Wall Right Angle 4-Pair, Signal	1	3mm	10	31.33	23.32	22.85
649-10043546-101LF	10043546-101LF	A	54	Receptacle 3-Pair, Signal	2	2mm	6	5.64	5.20	5.14
649-10039851-101LF	10039851-101LF	B	54	Header 4 Wall Right Angle 3-Pair, Signal	2	2mm	6	7.25	5.10	5.00
649-10045271-101LF	10045271-101LF	A	72	Receptacle 3-Pair, Signal	2	2mm	8	7.52	6.84	6.49
649-10045267-101LF	10045267-101LF	B	72	Header 4 Wall Right Angle 3-Pair, Signal	2	2mm	8	9.25	8.41	7.99
649-10037908-101LF	10037908-101LF	-	---	Guide Pin 7.2MM, 2.53MM Long	---	---	---	2.29	1.85	1.79
649-10037909-101LF	10037909-101LF	-	---	Guide Module R/A 7.2MM	---	---	---	2.98	2.35	2.29
649-10037910-101LF	10037910-101LF	-	---	Guide Pin External 10.8MM	---	---	---	2.29	2.10	2.01
649-10037912-101LF	10037912-101LF	-	---	Guide Module Assembly 10.8MM	---	---	---	3.44	2.70	2.58
649-10037911-102LF	10037911-102LF	-	---	Guide Pin Internal 10.8MM	---	---	---	2.48	2.32	2.28

AIRMAX VS® (VIRTUAL SHIELDS) POWER HIGH-SPEED BACKPLANE CONNECTOR SYSTEM

These compact high-power connectors complement the AirMax VS® high-speed signal connector offering. Contacts are flat except for minimal forming at the plug contact's mating interfaces, which enables the use of high conductivity base metal. The unique insulator design includes openings to help air flow around the contacts to improve heat dissipation. These design features contribute to the connectors' higher current-carrying cabacity.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Description	Contact Array	Height above PCB	Price Each		
							1	25	50
649-10028918-001LF	10028918-001LF	C	2	Header, Right Angle, Power	1x2	14.7mm	5.47	4.97	4.85
649-10289164555PLF	10028916-4555P00LF	D	4	Receptacle, Vertical, Power	2x2	14.7mm	12.28	9.47	9.06
649-10028917-001LF	10028917-001LF	C	4	Header, Right Angle, Power	2x2	14.7mm	5.89	4.40	4.25
649-10073379-001LF	10073379-001LF	C	4	Header, Right Angle, Power	2x2	11.5mm	5.60	5.55	5.50
649-10052620-4555PLF	10052620-4555P00LF	E	4	Receptacle, Right Angle, Power	2x2	14.7mm	5.78	5.28	5.10
649-10061289-001LF	10061289-001LF	C	6	Header, Right Angle, Power	2x3	11.5mm	5.98	5.44	5.34
649-10061290-5545PLF	10061290-554555PLF	D	6	Receptacle,Vertical, Power	2x3	11.5mm	9.91	9.00	8.55

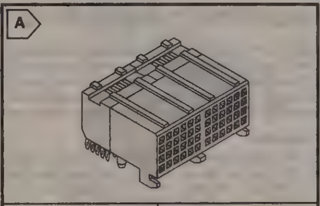
METRAL® 2.00MM MODULAR INTERCONNECT SYSTEM

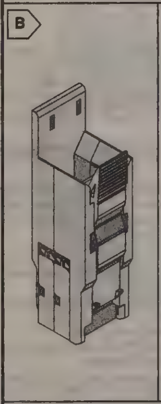
Mix low and high speed signal modules. Mix signal and power modules. Designed in accordance with IEC 61076-4-104. Contact plating meets Telcordia Central office.

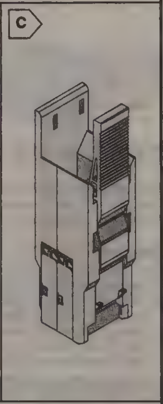
Specifications:

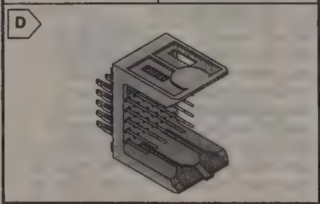
- Contact plating: 30µ" gold
- Tail plating: .80µm (30 pin) gold, IEC class 2 gold
- Housing material: Glass-filled LCP
- Temperature: 55°C to +105°C
- Insulation resistance: 1000MΩ
- Current rating: 1.0A
- Tail length: Header 4.30mm (.169")

RoHS Compliant









4 Row Receptacles

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Pos.	Description	Latch Type	Price Each			
						1	25	50	100
Right Angle									
649-88945-102LF	88945-102LF	A	24	Signal receptacle, right angle, press fit	---	2.26	2.05	1.95	1.85
649-88946-102LF	88946-102LF	A	48	Signal receptacle, right angle, press fit	---	4.34	3.95	3.75	3.55
649-88947-102LF	88947-102LF	A	96	Signal receptacle, right angle, press fit	---	7.88	7.17	6.81	6.45
Straight-Assembly Required									
649-72476-1211LF	72476-1211LF	B	24	Signal receptacle, Cable kit with backshells, 26-24 AWG	Short	6.97	6.34	6.02	5.71
649-72476-1221LF	72476-1221LF	B	24	Signal receptacle, Cable kit with backshells, 30-28 AWG	Short	5.11	4.65	4.41	4.18
649-72476-1111LF	72476-1111LF	C	24	Signal receptacle, Cable kit with backshells, 26-24 AWG	Standard	7.76	7.05	6.70	6.35
649-72476-1121LF	72476-1121LF	C	24	Signal receptacle, Cable kit with backshells, 30-28 AWG	Standard	4.40	4.00	3.80	3.60
649-72477-1211LF	72477-1211LF	B	48	Signal receptacle, Cable kit with backshells, 26-24 AWG	Short	15.02	13.66	12.97	12.29
649-72477-1221LF	72477-1221LF	B	48	Signal receptacle, Cable kit with backshells, 30-28 AWG	Short	15.47	14.07	13.36	12.66
649-72477-1111LF	72477-1111LF	C	48	Signal receptacle, Cable kit with backshells, 26-24 AWG	Standard	10.12	9.21	8.75	8.29
649-72477-1121LF	72477-1121LF	C	48	Signal receptacle, Cable kit with backshells, 30-28 AWG	Standard	15.02	13.66	12.97	12.29

5 Row Receptacles

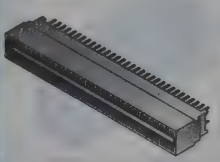
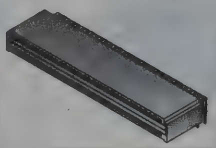
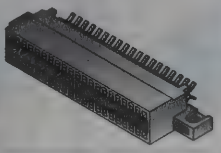
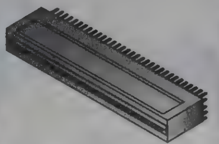
For quantities of 200 and up, call for quote.

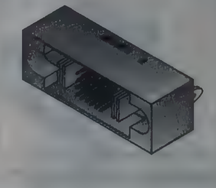
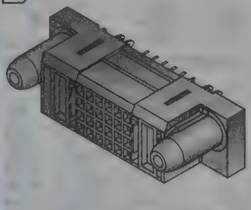
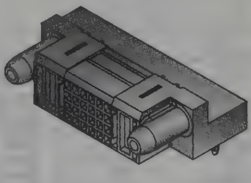
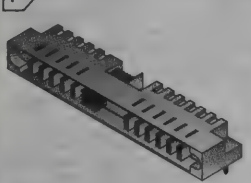
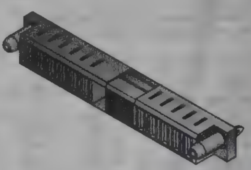
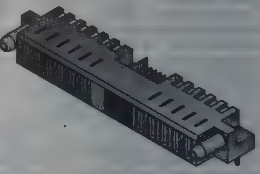
MOUSER STOCK NO.	FCI Part No.	Fig.	Pos.	Description	Latch Type	Price Each			
						1	25	50	100
Right Angle									
649-89047-102LF	89047-102LF	A	30	5 row signal receptacle, right angle, press fit	---	2.84	2.58	2.45	2.32
649-89093-102LF	89093-102LF	A	60	5 row signal receptacle, right angle, press fit	---	5.41	4.92	4.67	4.43
649-89093-102LF	89093-102LF	A	60	5 row signal receptacle, right angle, press fit	---	5.41	4.92	4.67	4.43
Straight-Assembly Required									
649-72478-1211LF	72478-1211LF	B	30	Signal receptacle, Cable kit with backshells, 26-24 AWG	Short	9.10	8.10	7.10	6.10
649-72478-1221LF	72478-1221LF	B	30	Signal receptacle, Cable kit with backshells, 30-28AWG	Short	8.33	7.57	7.19	6.82
649-72478-1111LF	72478-1111LF	C	30	Signal receptacle, Cable kit with backshells, 26-24 AWG	Standard	11.51	10.47	9.94	9.42
649-72478-1121LF	72478-1121LF	C	30	Signal receptacle, Cable kit with backshells, 30-28AWG	Standard	8.38	7.62	7.24	6.86
649-72479-1211LF	72479-1211LF	B	60	Signal receptacle, Cable kit with backshells, 26-24 AWG	Short	17.74	16.13	15.32	14.52
649-72479-1221LF	72479-1221LF	B	60	Signal receptacle, Cable kit with backshells, 30-28AWG	Short	19.82	18.02	17.12	16.22
649-72479-1111LF	72479-1111LF	C	60	Signal receptacle, Cable kit with backshells, 26-24 AWG	Standard	12.60	11.46	10.89	10.31
649-72479-1121LF	72479-1121LF	C	60	Signal receptacle, Cable kit with backshells, 30-28AWG	Standard	18.90	17.18	16.32	15.46

5 Row Headers

649-89006-111LF	89006-111LF	D	30	Signal header, straight, press fit, 6.50mm mating length	---	2.72	2.48	2.35	2.23
649-89006-110LF	89006-110LF	D	30	Signal header, straight, press fit, 5.00mm mating length	---	2.57	2.34	2.22	2.10

FCI Card Edge Connectors

A

B

C

D

E

F

G

H

I

J

K


POWER CARD EDGE

RoHS Compliant

The Power Card Edge connector is a connector system that can be used for DC power output from embedded AC/DC power suppliers or for power distribution between boards within an enclosure. The connectors' low profiles are ideal for use in enterprise date or communication equipment.

Features:
- One piece card edge design provides cost-effective power delivery with capacity for up to 7A per power contact
- Low-profile design helps maximize airflow for system cooling
- Integrated connector design simplifies board assembly
- RoHS Compliant per FCI documentation

Specifications:
- Housing: High temperature thermoplastic UL-94 V-0
- Color: Black
- Current Rating: 7A
- Insulation Resistance: 5000MΩ min. for Power contact
- Withstanding voltage: 1000 V/RMS 60hz for Power contact

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Orientation	Tail Plating	Price Each			
						1	25	50	100
649-10046971-001LF	10046971-001LF	A	64	Vertical	120 u" pure matte Tin	5.83	5.30	5.04	4.77
649-10035388-500LF	10035388-500LF	B	56	Right Angle	100 u" pure matte Tin	9.54	8.67	8.23	7.80
649-10053363-200LF	10053363-200LF	B	64	Right Angle	100 u" pure matte Tin	6.42	5.83	5.54	5.25
649-10046971-003LF	10046971-003LF	A	69	Vertical	120 u" pure matte Tin	3.49	3.18	3.02	2.86
649-10034908-001LF	10034908-001LF	C	38	Straddle Mount	100 u" pure matte Tin	4.74	4.31	4.09	3.88

MICROTCA™ CARD EDGE CONNECTORS

RoHS Compliant

MicroTCA™ (μTCA™) vertical card edge connectors provide 170 contacts on .75mm pitch and enable AdvancedMC™ (AMC™) modules to be plugged directly to a backplane. FCI connectors are in full compliance with the MicroTCA standard. The MicroTCA standard, developed within PICMG®, creates a physically small but very powerful system in 4U height and 300mm depth. The MicroTCA system architecture reduces size and cost by eliminating the ATCA® carrier board and providing a chassis that accepts AMC™ modules directly. MicroTCA shelves will also support hot-plugable modules, which will increase availability by allowing individual modules to be serviced or upgraded without taking the shelf offline. The MicroTCA form factor is expected to be ideal for communications equipment, such as core routers and IP-gateways, radio base stations and switching centers and customer premises equipment, where small physical size and cost are key design constraints.

Features:
- 170 position card edge interface with 0.75mm contact pitch
- Very low loss and crosstalk for low-voltage differential signaling at data rates up to 12.5 Gb/s per lane
- RoHS Compliant per FCI documentation

Specifications:
- Housing: High temperatures thermoplastic, UL94V-0
- Contact base metal: Copper Alloy
- Current rating: 1.0A/contact maximum
- Insertions loss: >-1dB at 6 GHz
- Return loss: <-20 dB at 5 GHz
- Durability rating: 200 cycles minimum

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Mounting Style	Color	Orientation	Price Each			
							1	25	50	100
649-10058831-110LF	10058831-110LF	D	170	Press-fit	Black	Vertical	18.54	16.86	16.01	15.17

PWRBLADE® CONNECTORS

RoHS Compliant

The PwrBlade® power distribution connector system includes power and signal contacts to provide power distribution and power control in a single connector. Options for either vertical or right angle versions of both headers and corresponding receptacles deliver support for coplanar, backplane or mezzanine connections. The connectors are ideal for robust power connections to embedded AC/DC power suppliers of for board-to-board connections in servers, storage enclosures and communications equipment.

Features:
- Provides contacts for power distributions and power control
- Rugged blind-mate design
- Capability for up to 20 power contacts and 148 signal contacts in up to 8 inches
- Options for solder or press-fit termination
- Board retention devices provided to secure connectors during processing
- RoHS Compliant per FCI documentation

Specifications:
- Housing: Glass-filled high termperature nylons
- Color: Black
- Power contacts: Power contacts are copper based alloy
- Signal pins: Phosphor bronze
- Signal contacts: Copper based alloy
- Insulation Resistance:
  Power contact: 10,000MΩ
  Signal contacts: 500MΩ
- Withstanding voltage:
  Power contact: 2500 volts DC
  Signal contacts 10000 volts DC

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Orientation	Price Each			
					1	25	50	100
649-51860-001LF	51860-001LF	E	5P+24S+1M+6P, Header	Vertical	19.94	18.13	17.22	16.32
649-51860-002LF	51860-002LF	E	5P+24S+1M+6P, Header	Vertical	35.29	32.08	30.48	28.87
649-51952-001LF	51952-001LF	F	1P+24S+1P, Header	Vertical	5.07	4.61	4.38	4.15
649-51952-002LF	51952-002LF	F	1P+24S+1P. Header	Vertical	10.46	9.50	9.03	8.55
649-51666-001LF	51666-001LF	G	1P+24S+1P, Receptacle	Vertical	4.11	3.73	3.55	3.36
649-51416-001LF	51416-001LF	H	1P+24S+1P, Receptacle	Right Angle	4.57	4.15	3.94	3.74
649-51624-XX001LF	51624-XX001LF	I	5P+24S+1M+6P, Header	Right Angle	7.93	7.21	6.85	6.49
649-51667-XX001LF	51667-XX001LF	J	5P+24S+1M+6P, Receptacle	Vertical	7.84	7.12	6.77	6.41
649-51625-XX001LF	51625-XX001LF	K	5P+24S+1M+6P, Receptacle	Right Angle	10.79	9.81	9.32	8.83

PCI Express™, DIN and Card Edge Connectors

FCI PCI EXPRESS™ 1.00MM PITCH VERTICAL CARD EDGE CONNECTORS

RoHS Compliant

Series 10018783 suitable for reflow soldering
For applications in desktops and servers using PCI Express™ technology.

PCI Express™ is a trademark of PCI-SIG.

Specifications:
- Housing Color & Material: Black, high temperature nylon, glass-filled, UL94V-0
- Contact Material: Copper alloy
- Insulation Resistance: 1000MΩ
- Temperature Range: -40°C to +85°C
- RoHS Compliant per FCI documentation

Features:
- Used to enable the implementation of high-speed, serial PCI Express™ architecture
- Each serial link supports 2.5 Gps (per direction)
- Through-mount tail length options for use on 1.58mm (.062") or 2.36mm (.093") thick motherboards

Through Hole Solder

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Host PCB Thickness	Link Width	Price Each			
						1	25	50	100
649-18783-10100TLF	10018783-10100TLF	A	36	1.56mm (0.062")	1x	.36	.33	.31	.30
649-18783-10101TLF	10018783-10101TLF	A	64	1.56mm (0.062")	4x	.72	.66	.62	.59
649-18783-10102TLF	10018783-10102TLF	A	98	1.56mm (0.062")	8x	.94	.85	.81	.77
649-18783-10103TLF	10018783-10103TLF	A	164	1.56mm (0.062")	16x	1.19	1.08	1.03	.97
649-18783-10110TLF	10018783-10110TLF	A	36	2.36mm (0.093")	1x	.46	.42	.40	.38
649-18783-10111TLF	10018783-10111TLF	A	64	2.36mm (0.093")	4x	.72	.66	.62	.59
649-18783-10112TLF	10018783-10112TLF	A	98	2.36mm (0.093")	8x	.93	.85	.81	.76
649-18783-10113TLF	10018783-10113TLF	A	164	2.36mm (0.093")	16x	1.31	1.19	1.13	1.07

Surface Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Host PCB Thickness	Link Width	Price Each			
						1	25	50	100
649-10061913-100CLF	10061913-100CLF	B	36	1.56mm (.062")	1x	1.65	1.50	1.43	1.35
649-10061913-101CLF	10061913-101CLF	B	64	1.56mm (.062")	4x	2.33	2.12	2.01	1.91
649-10061913-102CLF	10061913-102CLF	B	98	1.56mm (.062")	8x	3.30	3.00	2.85	2.70

FCI DIN 41612 CONNECTORS

RoHS Compliant

- RoHS Compliant per FCI documentation

Headers

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Housing Style	Orientation	Tail Length	Price Each			
							1	25	50	100
649-86943273378ELF	86094327313755ELF	C	32	C/2	Right Angle	3 mm	.90	.82	.77	.73
649-8693487313755ELF	86093487313755ELF	C	48	C/2	Right Angle	3 mm	1.04	.95	.90	.85
649-8692645113755ELF	86092645113755ELF	C	64	B	Right Angle	3 mm	1.77	1.61	1.53	1.45
649-8694647137ELF	86094647113755ELF	C	64	C	Right Angle	3 mm	1.03	.94	.89	.85
649-8693967113755ELF	86093967113755ELF	C	96	C	Right Angle	3 mm	3.07	2.79	.65	2.51
649-8694647814755ELF	86094647814755ELF	D	64	R	Straight	4mm	1.10	1.00	.95	.90
649-8693967814755ELF	8693967814755ELF	D	96	R	Straight	4mm	1.55	1.41	1.34	1.29

Receptacle

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Housing Style	Orientation	Tail Length	Price Each			
							1	25	50	100
649-8694328347E1LF	86094328314755E1LF	E	32	C/2	Straight	4 mm	2.01	1.83	1.74	1.65
649-8693488347E1LF	86093488314755E1LF	E	48	C/2	Straight	4 mm	1.65	1.50	1.42	1.35
649-8693488637E1LF	86093488613755E1LF	F	48	R/2	Right Angle	3 mm	2.02	1.83	1.74	1.65
649-8692646147E1LF	86092646114755E1LF	E	64	B	Straight	4 mm	3.64	3.31	3.15	2.98
649-8694648147V1LF	86094648114755V1LF	E	64	C	Straight	4 mm	1.38	1.25	1.19	1.13
649-8694648837V1LF	86094648813755V1LF	F	64	R	Right Angle	3 mm	1.27	1.16	1.10	1.04
649-8693968837V1LF	86093968813755V1LF	F	96	R	Right Angle	3 mm	1.71	1.55	1.47	1.40
649-869396814755V1LF	869396814755V1LF	E	96	C	Straight	4mm	5.33	3.02	2.87	2.72

KOBICONN DUAL READOUT CARD EDGE CONNECTORS

Features:
- Bifurcated contact
- For discrete wiring
- Gold plated
- .156" center spacing

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Pin Configuration	Price Each			
				1	10	100	500
15PC001	15PC001	G	2 x 10	4.40	3.36	3.08	2.75
15PC002	15PC002	G	2 x 15	5.24	4.40	3.67	3.28
15PC005	15PC005	G	2 x 22	5.39	4.49	4.09	3.69

KOBICONN IDC FLAT CABLE CARD EDGE CONNECTORS

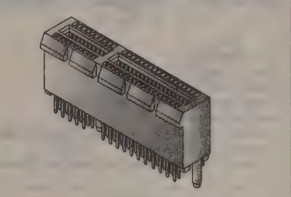
RoHS Compliant

Features:
- Insulator: PBT glass reinforced
- Contacts: Brass tin plated
- Current Rating: 1A max per contact
- Color: Black
- Contact Resistance: 30mΩ max.
- Operating Temperature: -40°C to +105°C
- RoHS Compliant per Kobiconn Documentation

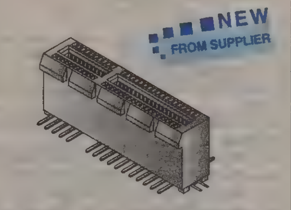
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Kobiconn Part No.	Fig.	Pin Configuration	Price Each			
				1	10	100	500
164-0810-E	164-0810	H	10	1.45	.97	.88	.80
164-0820-E	164-0820	H	20	1.61	1.07	.97	.89
164-0826-E	164-0826	H	26	1.99	1.33	1.21	1.10
164-0834-E	164-0834	H	34	2.09	1.39	1.27	1.16
164-0840-E	164-0840	H	40	2.39	1.59	1.45	1.32
164-0850-E	164-0850	H	50	3.05	2.03	1.84	1.68

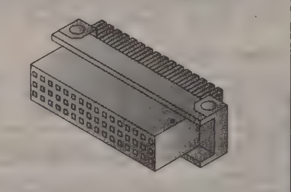
A



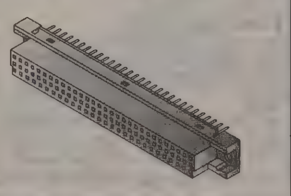
B



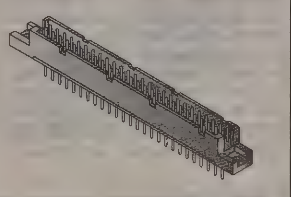
C



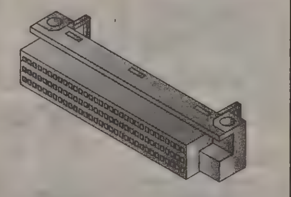
D



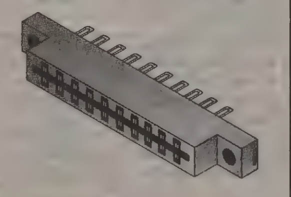
E



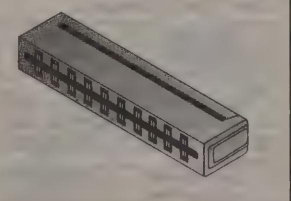
F



G



H



HARTING DIN 41612 Connectors

DIN 41612 SIGNAL CONNECTORS - 2 AMP

- IEC 60 630-2
- Pitch: 2.54 mm
- Current rating: 2 A
- 1A for Insulation Displacement version
- 40A Contacts in Type M version
- Contact Plating: Performance Level 2 plating (acc to DIN41612, part 5)
- UL and CSA Approved
- Contact resistance: 15 mø for wire wrap connections 20 mø for including crimp connections

- Temperature Range: -55°C - +125°C
- Termination zone tinned
- Moldings: Thermoplastic resin, glass fiber filled - UL 94V-0
- Contacts: Copper Alloy

2 Row Type B

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each		
							1	10	25
Male									
617-09-02-164-6921	09 02 164 6921	64	a, b	Right-Angle	Solder Pins	3	2.74	2.47	2.33
Female									
617-09-02-264-6824	09 02 264 6824	64	a, b	Straight	Solder Pins	2.9	4.00	3.60	3.40
617-09-02-264-6825	09 02 264 6825	64	a, b	Straight	Solder Pins	4.5	3.96	3.57	3.37
617-09-02-264-6821	09 02 264 6821	64	a, b	Straight	Wire Wrap Pins	13	3.56	3.20	3.03
617-09-02-264-6828	09 02 264 6828	64	a, b	Cable Mount	IDC	-	10.68	9.61	9.08
*617-09-02-064-3214	09 02 064 3214	64	-	Cable Mount	Crimp Pins	-	8.70	7.83	7.40

* Order contacts separately....see next page

2 Row Type 2B

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each		
							1	10	25
Male									
617-09-22-132-6921	09 22 132 6921	32	a, b	Right-Angle	Solder Pins	3	2.38	2.15	2.03
Female									
617-09-22-232-6825	09 22 232 6825	32	a, b	Straight	Solder Pins	4.5	3.16	2.85	2.69

2 Row Type C

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each		
							1	10	25
Male									
617-09-03-132-6921	09 03 132 6921	32	a, c	Right-Angle	Solder Pins	3	2.06	1.86	1.75
617-09-03-164-6921	09 03 164 6921	64	a, c	Right-Angle	Solder Pins	3	1.84	1.66	1.57
617-09-03-196-6921	09 03 196 6921	96	a, b, c	Right-Angle	Solder Pins	3	1.96	1.77	1.68
617-09-03-196-6922	09 03 196 6922	96	a, b, c	Straight	Solder Pins	3	3.06	2.76	2.60
Female									
617-09-03-264-6824	09 03 264 6824	64	a, c	Straight	Solder Pins	2.9	2.38	2.15	2.03
617-09-03-264-6825	09 03 264 6825	64	a, c	Straight	Solder Pins	4.5	2.12	1.91	1.81
617-09-03-264-6850	09 03 264 6850	64	a, c	Straight	Press-In Pins	4.5	2.22	2.00	1.90
617-09-03-264-6828	09 03 264 6828	64	a, c	Cable Mount	IDC	-	7.64	6.88	6.50
617-09-03-296-6821	09 03 296 6821	96	a, b, c	Straight	Wire Wrap Pins	13	4.52	4.07	3.84
617-09-03-296-6825	09 03 296 6825	96	a, b, c	Straight	Solder Pins	4.5	2.38	2.15	2.03
617-09-03-296-6850	09 03 296 6850	96	a, b, c	Straight	Press-In Pins	4.5	2.52	2.27	2.14
*617-09-03-096-3214	09 03 096 3214	96	-	Cable Mount	Crimp Pins	-	4.46	4.02	3.80

* Order contacts separately....see next page

3 Row Type 2C

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each		
							1	10	25
Male									
617-09-23-148-6921	09 23 148 6921	48	a, b, c	Right-Angle	Solder Pins	3	2.10	1.89	1.79
Female									
617-09-23-248-6825	09 23 248 6825	48	a, b, c	Straight	Solder Pins	4.5	2.74	2.47	2.33

3 Row Type M

For quantities of 50 or more, call for quote.

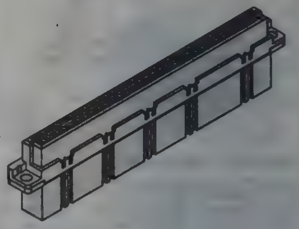
MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each		
							1	10	25
Male									
617-09-03-124-6901	09 03 124 6901	24 + 8	a, b, c	Right-Angle	Solder Pins	3	5.86	5.28	4.99
617-09-03-142-6901	09 03 142 6901	42 + 6	a, b, c	Right-Angle	Solder Pins	3	7.16	6.45	6.09
617-09-03-160-6901	09 03 160 6901	60 + 4	a, b, c	Right-Angle	Solder Pins	3	7.70	6.93	6.55
617-09-03-178-6901	09 03 178 6901	78 + 2	a, b, c	Right-Angle	Solder Pins	3	12.48	11.24	10.61
Female									
617-09-03-224-6805	09 03 224 6805	24 + 8	a, b, c	Straight	Solder Pins	4.5	7.34	6.61	6.25
617-09-03-242-6805	09 03 242 6805	42 + 6	a, b, c	Straight	Solder Pins	4.5	5.76	5.19	4.90
617-09-03-260-6805	09 03 260 6805	60 + 4	a, b, c	Straight	Solder Pins	4.5	6.88	6.20	5.85

3 Row Type R - Inverse

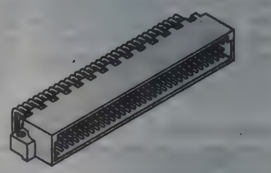
For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each		
							1	10	25
Male									
617-09-73-164-6903	09 73 164 6903	64	a, c	Straight	Solder Pins	4	2.50	2.26	2.13
617-09-73-196-6903	09 73 196 6903	96	a, b, c	Straight	Solder Pins	4	3.90	3.51	3.32
617-09-73-196-6904	09 73 196 6904	96	a, b, c	Straight	Press-In Pins	5	4.14	3.73	3.52
Female									
617-09-73-264-6801	09 73 264 6801	64	a, c	Right-Angle	Solder Pins	3	2.10	1.90	1.79
617-09-73-296-6801	09 73 296 6801	96	a, b, c	Right-Angle	Solder Pins	3	2.86	2.58	2.44

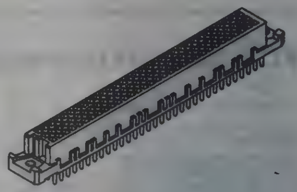
2 Row Type B Cable Mount Female
09 02 064 3214 Illustrated



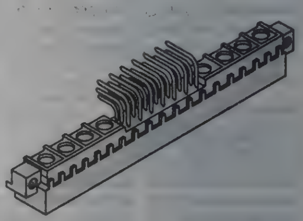
3 Row Type C Male with Solder Pins
09 03 196 6921 Illustrated



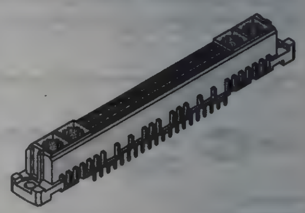
3 Row Type C Female with Press-In Pins
09 03 296 6850 Illustrated



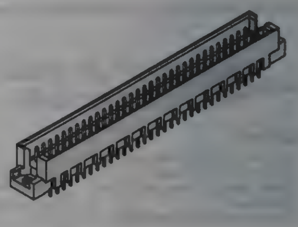
3 Row Type M Male with Solder Pins
09 03 124 6901 Illustrated



3 Row Type M Female with Solder Pins
09 03 260 6805 Illustrated



3 Row Type R-Inverse Male with Solder Pins
09 73 196 6903 Illustrated



HARTING DIN 41612 Connectors

CONTACTS FOR 2 AMP DIN 41612 SIGNAL CONNECTORS

To be used with HARTING 2 Amp DIN 41612 Signal Connectors on previous page.

Individual Crimp Contacts for Use with Type B and C Cable Mount Versions

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	10	25
617-09-02-000-8474	09 02 000 8474	For female connectors type B and C (BC1) - 28-20 AWG	.32	.30	.27
Performance level 1 plating (acc to DIN 41612, part 5)					
617-09-02-000-8484	09 02 000 8484	For female connectors type B and C (BC1) - 28-20 AWG	.28	.26	.25

Coaxial Contacts for Type M Connectors

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	10	25
617-09-03-000-6262	09 03 000 6262	Female 50ø for male connectors angled for pcb termination	9.36	8.43	7.96
617-09-03-000-6260	09 03 000 6260	Female 50ø for male connectors for straight solder/crimp termination	11.24	10.12	9.56
617-09-03-000-6160	09 03 000 6160	Male 50ø for female connectors for straight solder/crimp termination	8.10	7.29	6.89

High Current Contacts for Type M Connectors

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	10	25
617-09-03-000-6202	09 03 000 6202	Female contacts for female connectors- 20 A for straight solder termination	4.26	3.84	3.63
617-09-03-000-6203	09 03 000 6203	Female contacts for female connectors- 40 A for straight solder termination	3.88	3.49	3.30

DIN 41612 POWER CONNECTORS - 6 AMP

- Pitch: 5.08 mm
- Current rating: 6 A
- Temperature Range: -55°C - +125°C
- Contact Plating: Performance Level 2 plating (acc to DIN41612, part 5)
- Termination zone tinned
- Contact resistance: ≤ 15 mΩ for wire wrap and solder connections
  ≤ 20 mΩ for including crimp connections
- Moldings: Thermoplastic resin, glass fiber filled - UL 94V-0
- Contacts: Copper Alloy

2 Row Type D

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each 1	10	25
Male									
617-09-04-132-6921	09 04 132 6921	32	a, c	Right-Angle	Solder Pins	3.0	3.38	3.04	2.88
Female									
617-09-04-232-6821	09 04 232 6821	32	a, c	Straight	Wire Wrap Pins	20.0	6.32	5.69	5.38
617-09-04-232-6831	09 04 232 6831	32	a, c	Straight	Solder Pins	4.0	8.26	7.44	7.02
◆617-09-04-232-6826	09 04 232 6826	32	a, c	Right-Angle	Solder Pins	3.0	11.16	10.05	9.49

◆ Order fixing bracket 09 06 000 9912 separately

3 Row Type E

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each 1	10	25
Male									
617-09-05-148-6921	09 05 148 6921	48	a, c, e	Right-Angle	Solder Pins	3.0	5.74	5.17	4.88
Female									
617-09-05-248-6831	09 05 248 6831	48	a, c, e	Straight	Solder Pins	4.0	9.58	8.62	8.15
*617-09-05-048-3202	09 05 048 3202	48	-	Cable Mount	Crimp Pins	-	2.96	2.67	2.52

* Order contacts separately

3 Row Type F

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each 1	10	25
Male									
617-09-06-132-6931	09 06 132 6931	32	z, d	Right-Angle	Solder Pins	3.0	3.34	3.01	2.85
617-09-06-148-6901	09 06 148 6901	48	z, b, d	Right-Angle	Solder Pins	3.0	4.82	4.35	4.10
Female									
617-09-06-248-6832	09 06 248 6832	48	z, b, d	Straight	Press-In Pins	5.5	10.88	9.80	9.25
†617-09-06-248-6834	09 06 248 6834	48	z, b, d	Straight	Solder Pins	4.5	6.90	6.22	5.87
617-09-06-248-6835	09 06 248 6835	48	z, b, d	Straight	Solder Pins	4.5	7.06	6.36	6.00
*617-09-06-248-3201	09 06 248 3201	48	-	Cable Mount	Crimp Pins	-	1.16	1.04	.99

* Order contacts separately † Lower profile version

3 Row Interface Connector I-Complementary to Type F

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Price Each 1	10	25
Male									
617-09-06-048-2905	09 06 048 2905	48	z, b, d	Straight	Solder Pins	3.5	20.98	18.89	17.84
Female									
*617-09-06-048-2906	09 06 048 2906	48	z, b, d	Cable Mount	Crimp Pins	-	25.86	23.28	21.99

* Order contacts separately

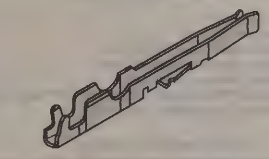
TYPE FC CRIMP CONTACTS FOR 6 AMP DIN 41612 POWER CONNECTORS

- For 6 A Power Connector types D, E, and F
- Individual crimp contacts

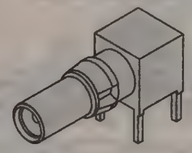
For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each 1	10	25
617-09-06-000-8481	09 06 000 8481	For female connectors type D, E and F - 26-20 AWG (FC2)	.32	.29	.28
617-09-06-000-8482	09 06 000 8482	For female connectors type D, E and F - 20-16 AWG (FC3)	.32	.29	.28
Performance level 1 plating (acc to DIN 41612, part 5)					
617-09-06-000-8471	09 06 000 8471	For female connectors type D, E and F - 26-20 AWG (FC2)	.34	.31	.30
617-09-06-000-8472	09 06 000 8472	For female connectors type D, E and F - 20-16 AWG (FC3)	.34	.31	.30

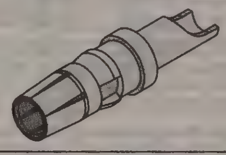
Type BC
09 02 000 8474 Illustrated



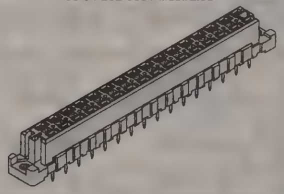
Type M
09 03 000 6262 Illustrated



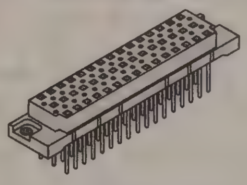
Type M High Current
09 03 000 6202 Illustrated



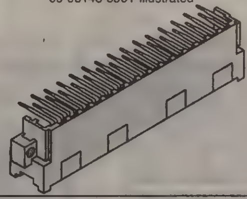
2 Row Type D Female with Solder Pins
09 04 232 6831 Illustrated



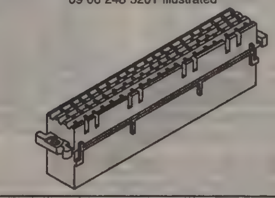
3 Row Type E Female with Solder Pins
09 05 248 6831 Illustrated



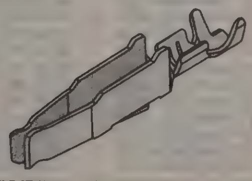
3 Row Type F Male with Solder Pins
09 06148 6901 Illustrated



3 Row Type F Cable Mount Female
09 06 248 3201 Illustrated



Type FC Contact
09 06 000 8481 Illustrated



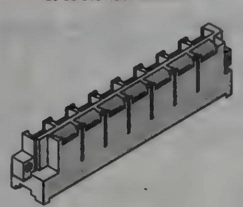
HARTING DIN 41612 Connectors, Tools and Accessories

DIN 41612 POWER CONNECTORS

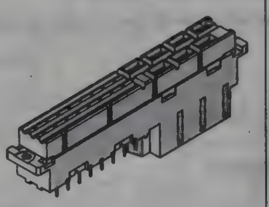
- Pitch: 5.08 mm
- Current rating: 15 A
- Temperature Range: -55°C - +125°C
- Contact Plating: Hard Silver Plated
- Contact resistance: ≤ 8 mΩ
- Moldings: Thermoplastic resin, glass fiber filled - UL 94V-0
- Contacts: Copper Alloy

∗ LC1= Leading contact at position z32
LC2= Leading contacts at position z4 and z32
LMC= Leading middle contact

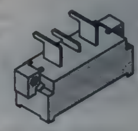
2 Row Type H Cable Mount Male
09 06 015 2922 Illustrated



3 Row Complementary Type MH Female
09 06 231 6822 Illustrated



Complementary Type H3 Male
09 06 203 2911 Illustrated



2 Row Type H

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Leading Contact ∗	Price Each		
								1	10	25
Male										
617-09-06-015-2912	09 06 015 2912	15	z, d	Cable Mount	Faston 6.3 x 2.5	-	-	9.86	8.88	8.39
617-09-06-015-2922	09 06 015 2922	13 + 2	z, d	Cable Mount	Faston 6.3 x 2.5	-	LC2	9.62	8.66	8.18
617-09-06-115-2911	09 06 115 2911	15	z, d	Right-Angle	Solder Pins	3	-	8.22	7.40	6.99
617-09-06-115-2932	09 06 115 2932	14 + 1	z, d	Right-Angle	Solder Pins	3	LC1	7.74	6.97	6.58
617-09-06-115-2921	09 06 115 2921	13 + 2	z, d	Right-Angle	Solder Pins	3	LC2	9.26	8.34	7.87
Female										
617-09-06-215-2821	09 06 215 2821	15	z, d	Straight	Solder Pins	4	-	8.56	7.71	7.28
617-09-06-015-2813	09 06 015 2813	15	z, d	Cable Mount	Cage Clamp	-	-	25.94	23.35	22.05
617-09-06-215-2811	09 06 215 2811	15	z, d	Cable Mount	Faston 6.3 x 2.5	-	-	8.48	7.64	7.22
617-09-06-215-2871	09 06 215 2871	15	z, d	Cable Mount	Faston 6.3 x 2.5	-	-	8.50	7.66	7.23

3 Row Complementary Type MH

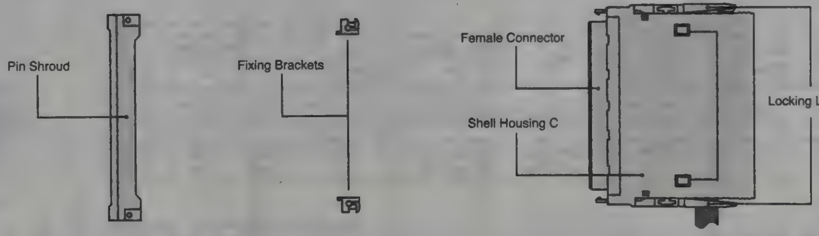
For quantities of 50 or more, call for quote.

Male										
617-09-06-131-6922	09 06 131 6922	24 + 7	z, b, d	Right-Angle	Solder Pins	3	LC1	7.30	6.57	6.21
Female										
617-09-06-231-6822	09 06 231 6822	24 + 7	z, b, d	Straight	Solder Pins	4.5	-	13.30	11.98	11.31

Single Row Complementary Type H3

For quantities of 50 or more, call for quote.

MOUSER STOCK NO.	HARTING Part No.	No. of Contacts	Rows Loaded	Style	Termination Type	Pin Length (mm)	Leading Contact ∗	Price Each		
								1	10	25
Male										
617-09-06-203-2911	09 06 203 2911	3	-	Right-Angle	Solder Pins	3	LMC	4.48	4.04	3.82
Female										
617-09-06-203-2811	09 06 203 2811	3	-	Straight	Solder Pins	4	-	5.38	4.84	4.58



DIN 41612 ACCESSORIES

For quantities of 100 or more, call for quote.

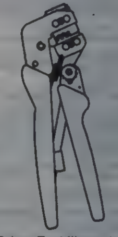
MOUSER STOCK NO.	HARTING Part No.	Description	Price Each			
			1	10	25	50
617-09-03-096-0501	09 03 096 0501	Shell housing C for female connectors types C, D	9.44	8.50	8.02	7.55
617-09-02-000-9919	09 02 000 9919	Left fixing bracket for shell housing C - fits male connectors type B, C, D, E	.96	.87	.82	.77
617-09-02-000-9920	09 02 000 9920	Right fixing bracket for shell housing C - fits male connectors type B, C, D, E	.96	.87	.82	.77
617-09-02-000-9902	09 02 000 9902	Left locking lever for shell housing C	1.04	.94	.89	.84
617-09-02-000-9903	09 02 000 9903	Right locking lever for shell housing C	1.04	.94	.89	.84
617-09-02-000-9909	09 02 000 9909	Locking screw for shell housing C	.40	.37	.34	.32
617-09-02-000-9911	09 02 000 9911	Round cable insert for shell housing C	2.52	2.28	2.14	2.02
617-09-03-000-9912	09 03 000 9912	Pin shroud for 13 mm wire wrap pins	1.96	1.77	1.67	1.58
617-09-03-000-9915	09 03 000 9915	Pin shroud for 17 mm wire wrap pins	2.36	2.13	2.01	1.89
617-09-06-048-0521	09 06 048 0521	Shell housing D20 for types F, H, and MH 20 mm hood width	14.92	13.43	12.69	11.94
∗617-09-06-000-9912	09 06 000 9912	Fixing bracket for Type D right-angle female	1.12	1.01	.95	.90
∗617-09-03-000-9914	09 03 000 9914	Locking lever for female connector type C	1.28	1.16	1.10	1.03
∗617-09-03-000-9913	09 03 000 9913	Locking lever for female connector type R	1.28	1.16	1.10	1.03

∗ Order 2 pcs per connector

DIN 41612 TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each	
			1	5
617-09-99-000-0620	09 99 000 0620	Crimping tool for types BC and FC individual contacts	275.84	239.07
617-09-99-000-0621	09 99 000 0621	Crimp set for individual contacts 28-24 AWG (BC and FC1)	207.17	179.55
617-09-99-000-0622	09 99 000 0622	Crimp set for individual contacts 26-20 AWG (FC 2)	207.17	179.55
617-09-99-000-0623	09 99 000 0623	Crimp set for individual contacts 20-16 AWG (FC 3)	207.17	179.55
617-09-99-000-0630	09 99 000 0630	Locator for type BC contacts	44.89	38.90
617-09-99-000-0100	09 99 000 0100	Insertion tool for type BC contacts	22.70	19.67
617-09-99-000-0101	09 99 000 0101	Removal tool for type BC contacts	23.21	20.12
617-09-99-000-0631	09 99 000 0631	Locator for types FC contacts	27.23	23.60
617-09-99-000-0088	09 99 000 0088	Insertion tool for types FC contacts	4.17	3.64
617-09-99-000-0087	09 99 000 0087	Removal tool for types FC contacts	3.65	3.16
617-09-99-000-0174	09 99 000 0174	Removal tool for Type M	151.74	131.52

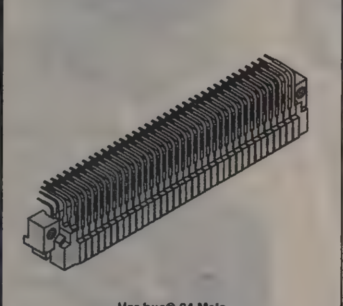


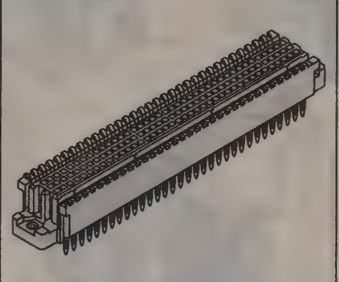
Crimp Tool Illustrated

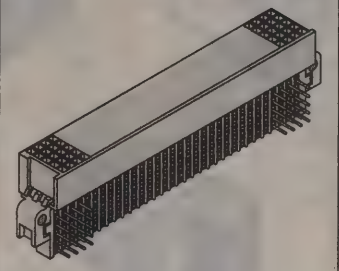
HARTING har-bus® 64 and 2mm Hard Metric Connectors

HAR-BUS® 64 VME64X EXTENSIONS CONNECTOR SYSTEM

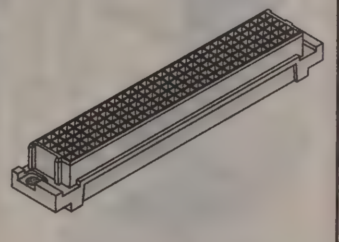
- IEC 61 076-4-113
- 100% Backward Compatible to 3 Row 96 pin DIN 41612 Connectors
- Male Pre-leading contacts at positions d1, d2, d31, and d32
- Current rating: 1 A (at 70°C and all contacts loaded)
- Contact Plating: Performance Level 2 plating (acc to DIN41612, part 5)
- Pitch: 2.54 mm
- Temperature Range: -55°C to +125°C
- Contact Resistance: Rows a, b, c: ≤ 20 mΩ
  Rows z, d: ≤ 30mΩ
- Moldings: Male connectors LCP
- Female connectors UL94V-0
- Contacts: Copper Alloy
- UL Approved


Har-bus® 64 Male
02 01 160 2101 Illustrated


Har-bus® 64 Female
02 02 160 2201 Illustrated


Har-bus® 64 Angled Female
02 04 160 1101 Illustrated

Order contacts separately


Har-bus® 64 Cable Mount Female
02 05 000 0001 Illustrated

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	VME Location	No. of Rows	No. of Contacts	Contact Gender	Rows Loaded	Style	Term.	Pin Length (mm)	Price Each			
										1	10	25	50
Standard													
*617-02-01-160-1101	02 01 160 1101	P1 or P2	5	160	Male	z, a, b, c, d	Right-Angle	Solder Pins	3.0	23.32	20.99	19.83	18.66
617-02-01-160-2101	02 01 160 2101	P1 or P2	5	160	Male	z, a, b, c, d	Right-Angle	Solder Pins	3.0	16.48	14.83	14.01	13.19
**617-02-01-160-2102	02 01 160 2102	P1 or P2	5	160	Male	z, a, b, c, d	Right-Angle	Solder Pins	3.0	17.02	15.32	14.47	13.62
617-02-02-160-2201	02 02 160 2201	J1	5	160	Female	z, a, b, c, d	Straight	Press-In	5.0	15.36	13.83	13.06	12.30
†617-02-02-160-2202	02 02 160 2202	- - -	5	160	Female	z, a, b, c, d	Straight	Press-In	5.0	17.76	15.98	15.10	14.21
617-02-02-160-2301	02 02 160 2301	J2	5	160	Female	z, a, b, c, d	Straight	Press-In	17.0	17.66	15.90	15.01	14.13
††617-02-05-000-0001	02 05 000 0001	- - -	5	160	Female	-	Cable Mount	Crimp Pins	-	7.56	6.80	6.43	6.05
Angled Females Complementary to IEC 61 076-4-113													
*617-02-04-160-1101	02 04 160 1101	- - -	5	160	Female	z, a, b, c, d	Right-Angle	Solder Pins	2.9	46.38	41.75	39.43	37.11
*617-02-07-160-1101	02 07 160 1101	- - -	5	160	Female	z, a, b, c, d	Right-Angle	Solder Pins	2.9	88.02	79.22	74.82	70.43

* performance level 1 plating (acc to DIN41612, part 5)   ** with snap-in clips   † without fixing flange   †† Order contacts separately

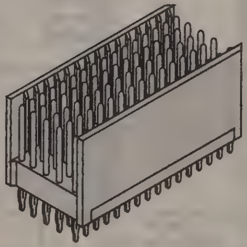
Accessories

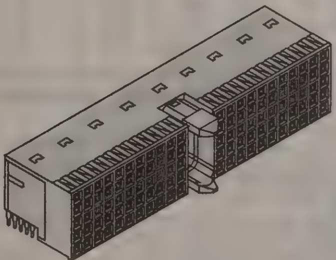
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Description	Price Each
617-02-05-000-2501	02 05 000 2501	Reel of 500 Crimp Contacts for female connectors - 28-24 AWG	186.90
617-02-05-000-2502	02 05 000 2502	Reel of 500 Crimp Contacts for female connectors - 26-20 AWG	186.90
617-02-99-000-0010	02 99 000 0010	Crimp tool	913.67
617-02-99-000-0013	02 99 000 0013	Removal Tool	35.50
617-02-44-000-0001	02 44 000 0001	Pin Shroud for rear plug up - 160P for PC Board 3.4mm Thick	3.26

HAR-BUS® HM - 2MM HARD METRIC CONNECTORS FOR COMPACT PCI®

- CompactPCI® as a standard is maintained and enhanced by the PICMG
- IEC 61 076-4-101
- Pitch: 2.0 mm
- Contact resistance: 20mΩ
- Press in termination
- Temperature range: -55°C to +125°C
- Contact Plating: Performance Level 2 plating (acc to IEC 61 076-4-101)
- UL Approved
- Contacts: Copper Alloy
- Moldings: Thermoplastic resin, glass fiber filled
- Type A includes Multi purpose center for guiding, keying, and polarizing


har-bus® HM Male
17 04 154 2203 Illustrated


har-bus® HM Female
17 21 110 2102 Illustrated

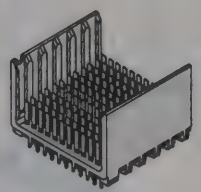
For quantities of 100 and up, call for quote.

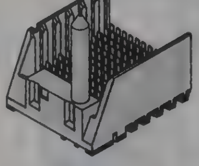
MOUSER STOCK NO.	HARTING Part No.	CompactPCI® Location	Type	No. of Contacts	Style	Term.	Contact Length (mm)		Price Each			
							Mating Side	Term. Side	1	10	25	50
Male - Compact PCI												
**617-17-01-154-2203	17 01 154 2203	P1	A	154	Straight	Press In	8.2 / 9.7 / 11.2	3.7	6.36	5.73	5.41	5.09
**617-17-01-154-2204	17 01 154 2204	P1 or P4	A	154	Straight	Press In	8.2 / 9.7 / 11.2	3.7	6.90	6.21	5.87	5.52
617-17-05-133-2602	17 05 133 2602	J0 *	B	133	Straight	Press In	8.2 / 11.2	16	10.76	9.68	9.15	8.61
617-17-05-133-2603	17 05 133 2603	P3	B	133	Straight	Press In	8.2 / 11.2	16	11.10	10.00	9.44	8.89
617-17-04-154-2203	17 04 154 2203	P2 or P5	B	154	Straight	Press In	9.7 / 11.2	3.7	6.02	5.42	5.12	4.82
Female												
†617-17-21-110-2102	17 21 110 2102	J1 or J4	A	110	Right-Angle	Press In	-	3.4	7.62	6.86	6.49	6.10
†617-17-25-095-2102	17 25 095 2102	J3 or P0	B	95	Right-Angle	Press In	-	3.4	7.40	6.66	6.30	5.93
617-17-24-110-2101	17 24 110 2101	J2 or J5 *	B	110	Right-Angle	Press In	-	3.4	6.68	6.02	5.69	5.35
†617-17-24-110-2102	17 24 110 2102	J2 or J5	B	110	Right-Angle	Press In	-	3.4	7.68	6.91	6.54	6.15
†617-17-23-055-2102	17 23 055 2102	- - -	C	55	Right-Angle	Press In	-	3.4	5.24	4.72	4.46	4.20

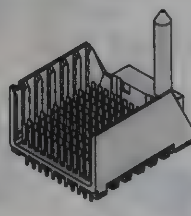
** Compact PCI and Compact PCI Hot Swap   * For VME Applications
† With upper Shield, lower shield available upon request

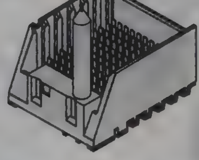
MOLEX I-Trac™

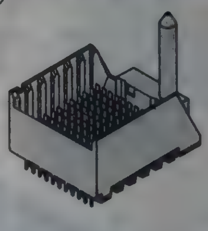
RoHS Compliant **This page of product is compliant.**

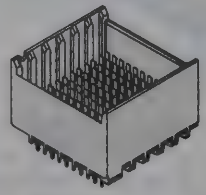
A


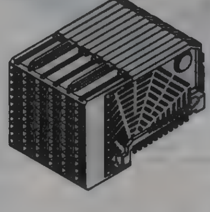
B


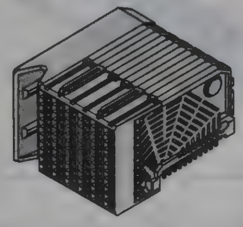
C


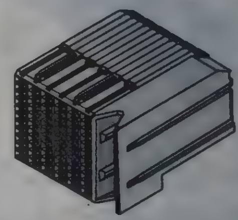
D


E


F


G


H


I


The I-Trac™ Backplane Connector System from Molex Incorporated features a broadside-coupled, skew equalized design capable of data rates of 12 Gbps. With it's multiple benefits, including superior impedance control, lower cross-talk and higher overall bandwidth designed for both traditional and orthogonal architectures, I-Trac meets the growing demands of the next generation telecommunications and data networking equipment manufactures. The I-Trac connector system is currently available from Molex in 7, 11 and 15-row versions, with a complete breadth of guidance and power options. Call Mouser Sales for additional info on the 7 and 15 row versions.

I-TRAC™ BACKPLANE HEADERS

Specifications:
- Housing Material: Liquid Crystal Polymer (LCP) Glass-filled, UL94V-0
- Terminals: High Performance Copper Alloy
- Dielectric Withstanding Voltage: 750 Volts RMS
- Current and Temperature Rating:
- Signal Contact: 1 Amp per contact
- Maximum Operating Temperature: 105°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	No. of Rows / Columns	Guide	Style	Price Each			
							1	10	25	50
538-75705-1503	75705-1503	A	110	11 x 5	Unguided	Open Ends	7.33	6.45	5.85	5.05
538-75705-1603	75705-1603	A	132	11 x 6	Unguided	Open Ends	8.81	7.75	7.00	6.07
538-75705-1103	75705-1103	A	220	11 x 10	Unguided	Open Ends	14.67	12.91	11.70	10.10
538-75705-3503	75705-3503	B	110	11 x 5	Left Guide	Right Open	8.64	7.60	6.89	5.95
538-75705-3603	75705-3603	B	132	11 x 6	Left Guide	Right Open	10.12	8.91	8.05	6.97
538-75705-3103	75705-3103	B	220	11 x 10	Left Guide	Right Open	15.98	14.08	12.73	11.00
538-75705-5503	75705-5503	C	110	11 x 5	Right Guide	Left Open	8.64	7.60	6.89	5.95
538-75705-5603	75705-5603	C	132	11 x 6	Right Guide	Left Open	10.12	8.91	8.05	6.97
538-75705-5103	75705-5103	C	220	11 x 10	Right Guide	Left Open	15.98	14.08	12.73	11.00
538-75705-7503	75705-7503	D	110	11 x 5	Left Guide	Right Endwall	8.76	7.70	6.98	6.03
538-75705-7603	75705-7603	D	132	11 x 6	Left Guide	Right Endwall	10.24	9.00	8.15	7.05
538-75705-7103	75705-7103	D	220	11 x 10	Left Guide	Right Endwall	16.10	14.18	12.83	11.08
538-75705-9503	75705-9503	E	110	11 x 5	Right Guide	Left Endwall	8.76	7.70	6.98	6.03
538-75705-9603	75705-9603	E	132	11 x 6	Right Guide	Left Endwall	10.24	9.00	8.15	7.05
538-75705-9103	75705-9103	E	220	11 x 10	Right Guide	Left Endwall	16.10	14.18	12.83	11.08
538-75705-1523	75705-1523	F	110	11 x 5	Unguided	Dual Endwall	7.57	6.67	6.04	5.21
538-75705-1623	75705-1623	F	132	11 x 6	Unguided	Dual Endwall	9.05	7.95	7.20	6.23
538-75705-1123	75705-1123	F	220	11 x 10	Unguided	Dual Endwall	14.90	13.13	11.88	10.26

I-TRAC™ DAUGHTERCARD RECEPTACLES

Specifications:
- Housing Material: Liquid Crystal Polymer (LCP) Glass-filled, UL94V-0
- Terminals: High Performance Copper Alloy
- Dielectric Withstanding Voltage: 750 Volts RMS
- Current and Temperature Rating:
- Signal Contact: 1 Amp per contact
- Maximum Operating Temperature: 105°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	No. of Rows / Columns	Guide	Price Each			
						1	10	25	50
538-75710-1005	75710-1005	G	110	11 x 5	Unguided	11.00	9.70	8.75	7.57
538-75710-1006	75710-1006	G	132	11 x 6	Unguided	13.19	11.60	10.50	9.08
538-75710-1010	75710-1010	G	220	11 x 10	Unguided	22.00	19.40	17.55	15.15
538-75710-3005	75710-3005	H	110	11 x 5	Left Guide	11.83	10.40	9.40	8.15
538-75710-3006	75710-3006	H	132	11 x 6	Left Guide	14.02	12.35	11.18	9.66
538-75710-3010	75710-3010	H	220	11 x 10	Left Guide	22.83	20.12	18.20	15.72
538-75710-5005	75710-5005	I	110	11 x 5	Right Guide	11.83	10.40	9.40	8.15
538-75710-5006	75710-5006	I	132	11 x 6	Right Guide	14.02	12.35	11.18	9.66
538-75710-5010	75710-5010	I	220	11 x 10	Right Guide	22.83	20.12	18.20	15.72

TOOLING

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-62201-8601	62201-8601	Press Fit tool for 11 x 5 header	415.00
538-62201-8602	62201-8602	Press Fit tool for 11 x 6 header	415.00
538-62201-8603	62201-8603	Press Fit tool for 11 x 10 header	470.00
538-62201-8604	62201-8604	Press Fit tool for 11 x 5 receptacle	75.00
538-62201-8605	62201-8605	Press Fit tool for 11 x 6 receptacle	75.00
538-62201-8606	62201-8606	Press Fit tool for 11 x 10 receptacle	122.00

MOLEX 2mm MFB™ and MZP™ Series Connectors

MFB™ SERIES FUTUREBUS+ CONNECTORS

Vertical Headers

Features:

- Code key insertion holes secure code keys
- High-temperature material withstands wave soldering
- Selective gold-plated pins offer high reliability
- Voltage: 100V
- Current: 1.0A
- Dielectric Withstanding Voltage: 750VAC
- Insulation Resistance: 1000 MΩ min.
- Housing: Glass-filled LCP, UL94V-0
- Solder Contact: Brass
- Press-Fit Contact: Phosphor Bronze
- Plating: Gold 0.38μm min. over Nickel
- Operating Temperature: -55°C to +125°C

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Termination	No. of Rows	No. of Circuits	Lead Length (mm)	Price Each			
								1	25	50	100
538-55089-8245	55089-8245	A	Header	Solder	4	24	4.25	3.16	2.55	2.22	1.94
538-55089-8485	55089-8485	A	Header	Solder	4	48	4.25	6.04	4.88	4.24	3.90
538-55089-8965	55089-8965	A	Header	Solder	4	96	4.25	9.22	8.30	7.64	7.02
538-55089-9925	55089-9925	A	Header	Solder	4	192	4.25	21.80	19.62	17.28	16.35
538-55222-0245	55222-0245	B	Header	Press-Fit	4	24	4.25	4.05	3.27	2.84	2.49
538-55222-0485	55222-0485	B	Header	Press-Fit	4	48	4.25	7.87	6.35	5.52	5.10
538-55222-0965	55222-0965	B	Header	Press-Fit	4	96	4.25	15.25	12.31	10.70	10.15
538-55222-1925	55222-1925	B	Header	Press-Fit	4	192	4.25	29.50	23.81	20.70	18.11

Right Angle Receptacles

Features:

- Tulip-shaped dual-beam contact provides high normal force and low insertion force.
- Press-fit PCB retention pegs
- Polarizing key posts and guide walls
- Voltage: 100V
- Current: 1.0A
- Dielectric Withstanding Voltage: 750VAC
- Insulation Resistance: 1000 MΩ min.
- Housing: Glass-filled LCP, UL94V-0
- Contact: Phosphor Bronze
- Operating Temperature: -55°C to +125°C
- RoHS Compliant per Molex documentation.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Termination	No. of Rows	No. of Circuits	Lead Length (mm)	Price Each			
								1	25	50	100
538-54526-0249	54526-0249	C	Receptacle	Solder	4	24	2.73	1.85	1.67	1.50	1.33
538-54526-0489	54526-0489	C	Receptacle	Solder	4	48	2.73	3.71	3.22	3.07	2.92
538-54526-0969	54526-0969	C	Receptacle	Solder	4	96	2.73	7.37	6.59	6.27	5.98
538-54526-1929	54526-1929	C	Receptacle	Solder	4	192	2.73	19.41	15.66	13.62	11.92
538-54613-0249	54613-0249	C	Receptacle	Press-Fit	4	24	2.73	2.17	1.75	1.52	1.33
538-54613-0489	54613-0489	C	Receptacle	Press-Fit	4	48	2.73	3.43	3.27	3.03	2.89
538-54613-0969	54613-0969	C	Receptacle	Press-Fit	4	96	2.73	9.26	7.48	6.50	5.74
538-54613-1929	54613-1929	C	Receptacle	Press-Fit	4	192	2.73	18.53	14.95	13.00	12.34

MZP™ SERIES 2MM HARD METRIC CONNECTORS

Features:

- M style press-fit pin contact design creates four points of contact for a gas-tight connection
- Voltage: 500V
- Current: 1.0A
- Dielectric Withstanding Voltage: 750VAC
- Insulation Resistance: 10000 MΩ min.
- Receptacle Housing: Glass-filled LCP, UL94V-0
- Header Housing: Gray Glass-filled PBT, UL94V-0
- Contact: Phosphor Bronze
- Operating Temperature: -55°C to +125°C

Right Angle Receptacles With Upper Shield

✱ Upper Shield for Grounding.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Termination	No. of Rows	No. of Circuits	Lead Length (mm)	Price Each			
								1	25	50	100
538-54457-1252	54457-1252	D	Type B, 25 col	Press-Fit	7	125	3.30	15.15	14.43	13.70	12.73
538-54603-1102	54603-1102	D	Type B, 22 col	Press-Fit	7	110	3.30	13.05	9.45	8.33	7.65
538-54603-0952	54603-0952	D	Type B, 19 col	Press-Fit	7	95	3.30	13.34	12.01	11.09	10.16
✱538-54457-0552	54457-0552	E	Type C	Press-Fit	7	55	3.30	9.08	6.70	5.84	5.42

Vertical Feed To Headers

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Termination	No. of Rows	No. of Circuits	Lead Length (mm)	Price Each			
								1	25	50	100
538-55376-1549	55376-1549	F	Type A	Press-Fit	7	154	3.70	11.98	9.83	9.36	8.92
538-55376-1759	55376-1759	G	Type B, 25 columns	Press-Fit	7	175	3.70	12.79	10.79	10.33	9.54
538-55501-1541	55501-1541	G	Type B, 22 columns	Press-Fit	7	154	3.70	13.14	10.28	9.84	9.60
538-55501-1331	55501-1331	G	Type B, 19 columns	Press-Fit	7	133	3.70	11.25	8.91	8.25	7.63
538-55376-0779	55376-0779	H	Type C	Press-Fit	7	77	3.70	6.29	5.05	4.81	4.58

Vertical Feed Through Headers

- Outer 2 lead rows are ground.

RoHS Compliant

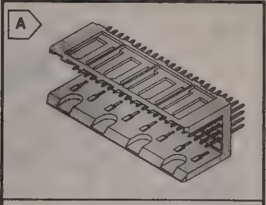
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Termination	No. of Rows	No. of Circuits	Lead Length (mm)	Price Each			
								1	25	50	100
538-55357-1549	55357-1549	F	Type A, 22 columns	Press-Fit	7	154	13.0 (Signal), 16.0 (Ground)	13.42	11.84	11.27	10.74
538-55357-1759	55357-1759	G	Type B, 25 columns	Press-Fit	7	175	13.0 (Signal), 16.0 (Ground)	25.86	24.57	23.40	22.29
538-55357-0779	55357-0779	H	Type C, 11 columns	Press-Fit	7	77	13.0 (Signal), 16.0 (Ground)	6.98	5.74	5.47	5.21

Shrouds - Use With Feed Through Headers

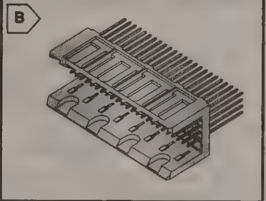
RoHS Compliant

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each			
				1	25	50	100
538-55719-9104	55719-9104	--	For use with Vertical Feed Through Headers - Type A	2.84	2.31	2.22	2.11
538-55720-1254	55720-1254	--	For use with Vertical Feed Through Headers - Type B 25 columns	2.97	2.78	2.55	2.43
538-55721-1104	55721-1104	--	For use with Vertical Feed Through Headers - Type B 22 columns	3.45	3.05	2.90	2.77
538-55721-0954	55721-0954	--	For use with Vertical Feed Through Headers - Type B 19 columns	3.31	2.92	2.78	2.65
538-55722-9554	55722-9554	--	For use with Vertical Feed Through Headers - Type C	2.67	2.13	2.02	1.91

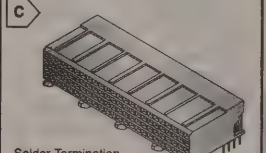
A



B

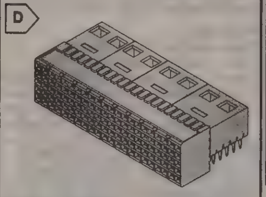


C

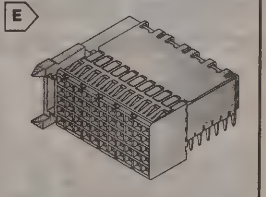


Solder Termination Shown

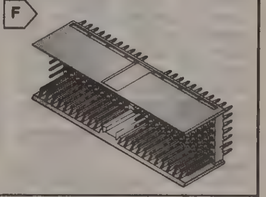
D



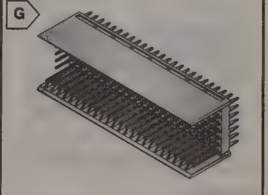
E



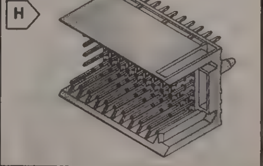
F



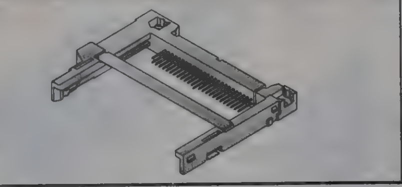
G

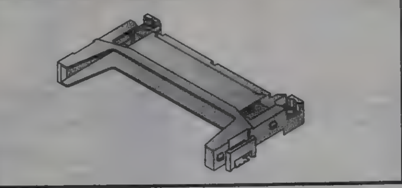


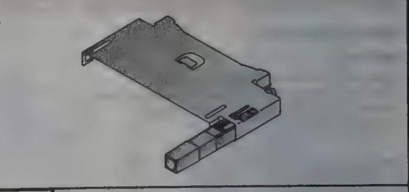
H



MOLEX Connectors and DIMM Sockets


A


B


C

COMPACTFLASH™ CARD CONNECTORS

Features:
- Dual-row 1.27mm (.050") pitch at card interface and 0.635mm (.025") pitch in-line SMT tails
- Integral Gold-plated frame grounds and solder tabs
- High temperature housing suitable for reflow soldering
- In-line SMT tails protect against damage during assembly

Ejector Features:
- Modular design snaps easily onto header
- Low-profile design
- Can be used with both top and bottom mount headers
- Lever design provides for smooth card extraction

Specifications:
- Voltage: 100V
- Current: 0.5A
- Contact Resistance: 40mΩ max.
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Insulation Resistance: 1000 MΩ min.

Ejector Specifications:
- Metal Shell: Stainless Steel
- Button: Black glass-filled PBT, UL 94V-0
- Lever: Stainless Steel

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Standoff (mm)	Mounting Type	Price Each			
						1	10	25	50
Card Headers									
538-53856-5070	53856-5070	A	Right Angle, SMT for Type I Cards, 50 circuits	1.64	Standard	8.93	8.18	7.44	6.69
538-53927-5019	53927-5019	B	Right Angle, SMT for Type I Cards, 50 circuits	1.64	Reverse	9.52	8.72	7.93	7.14
Mating Ejectors									
538-55021-0001	55021-0001	C	Right Side Ejector Button for Type 1 header	-	Std or Rev	6.16	5.65	5.13	4.61
538-55022-0001	55022-0001	D	Left Side Ejector Button for Type 1 header	-	Std or Rev	6.16	5.65	5.13	4.61

TRANSFLASH MEMORY CARD CONNECTORS

TransFlash is the world's smallest memory card storage system. Offering over 70% volume savings versus miniSD, TransFlash provides ultimate space savings and up to 256MB of removable memory storage for cellphones and other mobile devices. Molex offers two types of TransFlash connectors. The hinged version is used like SIM card systems for one-time installation. There is also a push-push design for card removal options. Both versions are shielded and include solder tabs for ESD protection.

Features:
- Ultra small size for space savings
- Hinge and push-push types
- Metal shielding with shell tabs offer ESD protection and grounding support
- Gold-plated beveled contacts secure electrical contact
- Wide open area on shells accomadate pick-and-place
- Solder tails on inside of design offer space savings

Specifications:
- 1.10mm (.043") Pitch
- Current: 0.5A
- Withstanding Voltage: 500V AC
- Insulation Resistance: 1000Mø min.
- Plating: Gold (Au) over Nickel (Ni)
- Temperature Range: -25°C to +85°C

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Button Type	Mounting Type	Price Each			
						1	10	25	50
Card Headers with Ejectors									
538-500873-0801	500873-0801	E	Right Angle, SMT, Right Side Eject, 100V max	Push-Push	Standard	3.12	2.40	2.31	2.18
538-500901-0801	500901-0801	F	Right Angle, SMT, 10V max	Hinge	Standard	4.61	4.14	3.54	3.18

PCI EXPRESS® CARD EDGE CONNECTORS

Features:
- Complies with the PCI SIG spec
- Supports 2.5Gbps data transfer rate
- Scalable modular design
- Enables hot plug and hot swap
- Lead Free
- Top Entry

Specifications:
- Housing Material: Nylon 4/6, glass-filled, UL94V-0
- Color: Black
- Contact: Phosphor Bronze
- Pitch: 1.00mm (.039")
- Current: 1.1A
- Voltage: 50V

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Dimension L (mm)	Circuits	Contact Plating	Tail Length	Price Each			
								1	10	25	50
538-87715-9005	87715-9005	G	Vertical Thru-hole	25	36	15μ"	3.0 mm	1.75	1.65	1.56	1.46
538-87715-9006	87715-9006	G	Vertical Thru-hole	25	36	30μ"	2.54 mm	1.75	1.65	1.56	1.46
538-87715-9105	87715-9105	G	Vertical Thru-hole	39	64	15μ"	3.0 mm	2.34	2.20	2.08	1.94
538-87715-9106	87715-9106	G	Vertical Thru-hole	39	64	30μ"	2.54 mm	2.34	2.20	2.08	1.94
538-87715-9205	87715-9205	G	Vertical Thru-hole	56	98	15μ"	3.0 mm	2.95	2.79	2.63	2.45
538-87715-9206	87715-9206	G	Vertical Thru-hole	56	98	30μ"	2.54 mm	2.95	2.79	2.63	2.45
538-87715-9305	87715-9305	G	Vertical Thru-hole	89	164	15μ"	3.0 mm	5.54	5.23	4.94	4.60
538-87715-9306	87715-9306	G	Vertical Thru-hole	89	164	30μ"w	2.54 mm	5.54	5.23	4.94	4.60

DDR DIMM SOCKETS

Features:
- Accepts JEDEC MO-206 modules
- Dual ejector latches
- Added contact wipe for improved reliabilty
- Beveled metal pins

Specifications:
- Voltage Key: Left 2.5V
- Contact plating: 15u" gold
- Pitch: 1.27mm

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Circuits	Tail Length	PCB Thickness	Price Each			
							1	10	25	50
538-87636-2002	87636-2002	H	Vertical, Thru-hole, beige latch	184	3.23 mm	.093"	4.17	3.75	3.45	3.17
538-87636-2012	87636-2012	H	Vertical, Thru-hole, beige latch	184	2.67 mm	.062"	3.30	3.03	2.79	2.56
538-87623-2001	87623-2001	I	25°angle,Thru-hole,w/locating pegs	184	2.79 mm	.062"	8.15	7.46	6.79	6.11
538-87655-0004	87655-0004	J	Right Angle, Thru-hole	184	2.79 mm	.062"	13.35	12.23	11.12	10.01

S.O. DIMM SOCKETS

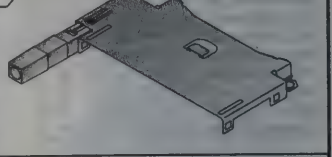
Features:
- Accepts JEDEC DRAM & SDRAM modules
- Front solder tabs provide secure PCB holddown
- Polarization
- Plastic latch

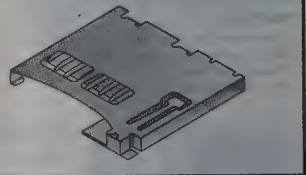
Specifications:
- Contact plating: Gold
- Pitch: .80mm
- Circuits: 144
- PCB Thickness: .045"

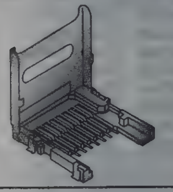
RoHS Compliant

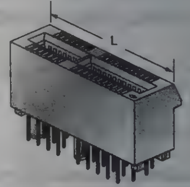
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Power Supply	Mounting Height	Contact Resistance	Price Each			
							1	10	25	50
538-54698-7000	54698-7000	K	Right Angle, Surface Mount	3.3V	5.2 mm	60mΩ max	8.04	7.36	6.69	6.02
~~538-54698-7001~~	54698-7001	K	Right Angle, Surface Mount	5.0V	5.2 mm	60mΩ max	5.86	5.27	4.98	4.69
538-54697-7000	54697-7000	K	Right Angle, Surface Mount	3.3V	4.0 mm	50mΩ max	6.45	5.91	5.37	4.83
538-54697-7001	54697-7001	K	Right Angle, Surface Mount	5.0V	4.0 mm	50mΩ max	5.74	5.17	4.88	4.60


D


E

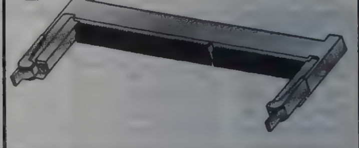

F


G

H

I

J


K

AMP Power Series Connectors

This page of product is compliant.

AMP Power Series Connectors provide a durable, quick connect/disconnect means to transmit "power" levels of current and voltage (15-275 A, 600 V AC/DC). This product family is primarily comprised of single-pole and 2-pole (battery) connector housings, crimp snap-in contacts, and accessories. Housings are offered in various colors. Two-pole housings have different polarization configurations with the exception of black housings, each color identifies a different keying configuration. In general, only like color housings will mate.

Specifications:

- Voltage Rating: 600V AC and DC
- Color-coded Housings, UL94V-0
- Hermaphroditic housings reduce inventory
- Modular, single pole housings are stackable in four directions
- Polarity (+ and -) molded into 2-pole housings
- Mechanical keys help prevent two different color-coded housings from mating
- Stainless steel retaining springs secure contacts in housings
- RoHS compliant per Tyco documentation

Applications:

- AC/DC power supplies and charging systems
- Rechargeable batteries
- Material handling equipment (forklift trucks)
- Electric vehicles (golf carts, sweepers, wheelchairs)
- Office furniture/Panels
- Amateur Emergency Radios
- Industrial Equipment

SERIES 15/30/45 CONNECTORS

Single-Pole

RoHS Compliant

- 40A with 10AWG wire (Series 45)
- 30A with 12AWG wire (Series 30)
- 20A with 16AWG wire (Series 15)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	25	50	100
571-14459571	1445957-1	A	Housing: Blue	.40	.38	.34	.32
571-14459572	1445957-2	A	Housing: Black	.40	.38	.34	.32
571-14459573	1445957-3	A	Housing: White	.40	.38	.34	.32
571-14459574	1445957-4	A	Housing: Green	.40	.38	.34	.32
571-14459575	1445957-5	A	Housing: Red	.40	.38	.34	.32
571-16041132	1604113-2	B	Contact: 16, 18, 20 AWG	.12	.10	.08	.06
571-16041122	1604112-2	B	Contact: 12, 14, 16 AWG	.16	.14	.12	.10
571-14459622	1445962-2	B	Contact: 10, 12, 14 AWG	.17	.15	.13	.11
571-14459601	1445960-1	-	Mounting Wing: Red	.31	.29	.26	.25
571-14459591	1445959-1	-	Spacer: Red, Short	.29	.27	.24	.23
571-14458864	1445886-4	-	Retaining Pin: .25 [6.35] length	.27	.25	.24	.23
571-14458865	1445886-5	-	Retaining Pin: .44 [11.18] length	.25	.24	.23	.22
571-14458866	1445886-6	-	Retaining Pin: .85 [21.6] length	.21	.20	.19	.18
571-16040771	1604077-1	-	Receptacle Housing: 2, 3, 4 pole	.72	.68	.61	.58
571-16040801	1604080-1	-	Plug Frame with out Latch: 2, 3, 4 pole	.85	.81	.73	.69
571-16040831	1604083-1	-	Plug Frame with Latch: 2, 3, 4 pole	.80	.77	.69	.65

SERIES 50 CONNECTORS

2-Pole Battery

RoHS Compliant

- RoHS Compliant per Tyco Electronics documentation
- Cold-headed contact wire range: 6, 8, 10-12 AWG
- 50 amp per circuit with 6AWG wire
- Black color housing has the same mechanical key as the gray housing
- Contacts and accessories are listed in the 75 Series Connectors

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	25	50	100
571-6478453	647845-3	C	Housing: Red	1.24	1.12	1.06	1.00
571-6478454	647845-4	C	Housing: Gray	1.24	1.12	1.06	1.00
571-6478455	647845-5	C	Housing: Blue	1.24	1.12	1.06	1.00
571-6478457	647845-7	C	Housing: Black	1.24	1.12	1.06	1.00
571-6478458	647845-8	C	Housing: Yellow	1.24	1.12	1.06	1.00

SERIES 75 CONNECTORS

Single Pole

RoHS Compliant

- RoHS Compliant per Tyco Electronics documentation
- Cold-headed contact wire range: 6, 8, 10-12 AWG
- Current Carrying Capability (with 6AWG) - Configuration:
  Single-Pole: 75A, 1x2 Stacked: 62A, 2x2 Stacked: 60A, 1x3 Stacked: 58A, 2x3 Stacked: 52A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	25	50	100
571-14457151	1445715-1	D	Housing: Blue	1.01	.96	.86	.82
571-14457152	1445715-2	D	Housing: Black	1.01	.96	.86	.82
571-14457153	1445715-3	D	Housing: White	1.01	.96	.86	.82
571-14457154	1445715-4	D	Housing: Green	1.01	.96	.86	.82
571-14457155	1445715-5	D	Housing: Red	1.01	.96	.86	.82
571-6478771	647877-1	E	Contact: 6 AWG for 50 and 75 Series	.86	.82	.75	.71
571-6478781	647878-1	E	Contact: 8 AWG for 50 and 75 Series	.69	.64	.59	.56
571-6478791	647879-1	E	Contact: 10-12 AWG for 50 and 75 Series	.69	.64	.59	.56
571-14457291	1445729-1	-	Mounting Wings: Blue, Oval	.74	.67	.63	.60
571-14457292	1445729-2	-	Mounting Wings: Blue, Round	.74	.67	.63	.60
571-14457621	1445762-1	-	Reducing Bushing: 6 to 8 AWG for 50 and 75 Series	3.06	2.75	2.60	2.45
571-6478401	647840-1	-	Reducing Bushing: 6 to 10-12 AWG for 50 and 75 Series	5.57	5.30	4.77	4.51
571-14457631	1445763-1	-	Reducing Bushing: 6 to 14-16 AWG for 50 and 75 Series	1.11	1.00	.95	.89

SERIES 120 CONNECTORS

Single Pole

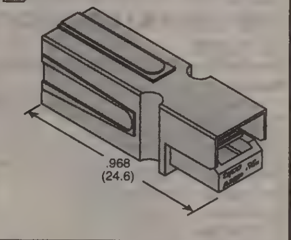
RoHS Compliant

- RoHS Compliant per Tyco Electronics documentation
- Cold-headed contact wire range: 2, 4, 6 AWG
- Current Carrying Capability - Configuration:
  Single-Pole: 120A, 2x1 Stacked Array: 115A, 2x2 Stacked Array: 115A

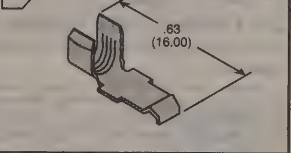
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	25	50	100
571-16040011	1604001-1	F	Housing: Blue	3.30	2.97	2.81	2.64
571-16040012	1604001-2	F	Housing: Black	3.30	2.97	2.81	2.64
571-16040013	1604001-3	F	Housing: White	3.30	2.97	2.81	2.64
571-16040014	1604001-4	F	Housing: Green	3.30	2.97	2.81	2.64
571-16040015	1604001-5	F	Housing: Red	3.30	2.97	2.81	2.64
571-14459951	1445995-1	G	Contact: 2 AWG	2.48	2.24	2.11	1.99
571-14459961	1445996-1	G	Contact: 4 AWG	2.48	2.24	2.11	1.99
571-14459971	1445997-1	G	Contact: 6 AWG	3.12	2.81	2.66	2.50
571-14458861	1445886-1	-	Retaining Pins: 75A/120A/180A housings, 1 high block	.41	.37	.35	.33
571-14458862	1445886-2	-	Retaining Pins: 75A/120A/180A housings, 2 high block	.50	.45	.42	.40
571-14458863	1445886-3	-	Retaining Pins: 75A/120A/180A housings, 3 high block	1.17	1.06	1.00	.94
571-16040723	1604072-3	-	Reducing Bushings: 2 to 4 AWG	1.52	1.37	1.30	1.22
571-16040722	1604072-2	-	Reducing Bushings: 2 to 6 AWG	1.52	1.37	1.30	1.22
571-16040721	1604072-1	-	Reducing Bushings: 2 to 8 AWG	1.52	1.37	1.30	1.22

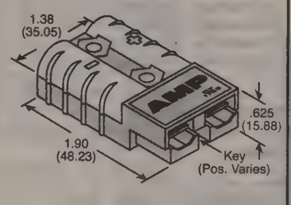
A



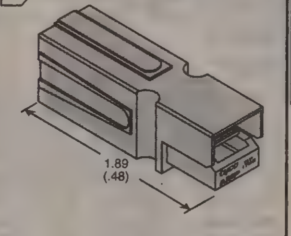
B



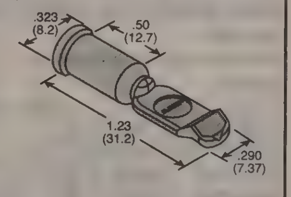
C



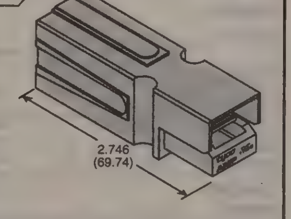
D



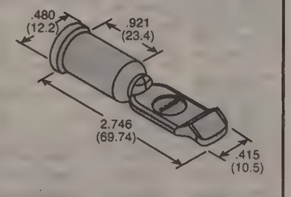
E



F



G



AMP Power Lock Connectors

RoHS Compliant **This page of product is compliant.**

AMP Power Lock Connectors have hermaphroditic housings and contact designs. The hermaphroditic housings are also modular in design and permit the clustering of connectors of the same series. Housings are made of impact resistant thermoplastic with stainless steel locking springs for contact stability. High current handling capability: 31 or 53 amperes maximum depending on application.

AMP SERIES I CONNECTORS

18-12 AWG
Single-Circuit Housing Assemblies

RoHS Compliant E-28476 LR 7189

Material:
- Housing: Polycarbonate

RoHS compliant per Tyco Electronics documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Price Each 1	25	50	100
571-538941	53894-1	A	White	.92	.83	.79	.74
571-538942	53894-2	A	Black	.77	.70	.66	.62
571-538943	53894-3	A	Green	.92	.83	.79	.74
571-53894-4	53894-4	A	Red	.83	.79	.71	.67
571-538945	53894-5	A	Yellow	.92	.83	.79	.74
571-538946	53894-6	A	Blue	.77	.70	.66	.62

2 to 6 Position In-Line Housings

In-Line housings with and without mounting flanges can be mated with arranged clusters of single-circuit housings.

RoHS Compliant

Material:
- Housing: Nylon, natural color

RoHS compliant per Tyco Electronics documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Postions	Description	Dimensions In. A	B*	Price Each 1	25	50	100
571-544892	54489-2	B	2	with flanges	0.624	0.874	2.25	2.02	1.91	1.80
571-544832	54483-2	C	2	without flanges	0.624	------	2.22	1.99	1.88	1.77
571-544893	54489-3	B	3	with flanges	0.936	1.186	3.28	2.95	2.79	2.63
571-544894	54489-4	B	4	with flanges	1.248	1.498	4.14	3.72	3.52	3.31
571-544834	54483-4	C	4	without flanges	1.248	------	3.90	3.72	3.34	3.16
571-544896	54489-6	B	6	with flanges	1.872	2.122	5.87	5.28	4.99	4.69

* Dimension required only for housing with mounting flanges

Mounting Adapter

Can be mounted, thru-panel, vertical or surface mount.

RoHS Compliant

Material:
- Housing: Polycarbonate, Red

RoHS compliant per Tyco Electronics documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Price Each 1	25	50	100
571-543151	54315-1	D	1.17	1.05	.99	.94

Contacts

RoHS Compliant

Material:
- Contact: Copper -.035(.089)
- Plating: Silver or Gold
- Gold: .000030 (0.00076) gold over .000050 (0.0013) nickel

RoHS compliant per Tyco Electronics documentation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Plating	Wire Size AWG	Price Each 1	100	500
571-53892-4	53892-4	E	Crimp	Silver	18-12	.38	.34	.32
571-538927	53892-7	E	Crimp	Gold	18-12	2.35	2.12	2.00
571-543291	54329-1	F	Solder	Silver	12 Max.	.40	.36	.34
571-54326-2	54326-2	G	Posted	Silver	---------	1.58	1.42	1.34
571-543261	54326-1	G	Posted	Gold	---------	3.11	2.80	2.64

AMP SERIES II CONNECTORS

10-6 AWG
Connector Housing Assembly

RoHS Compliant E-28476 LR 7189

Material:
- Housing: Polycarbonate

RoHS compliant per Tyco Electronics documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Price Each 1	25	50	100
571-538841	53884-1	H	Blue	2.79	2.51	2.37	2.23
571-538843	53884-3	H	Black	4.24	4.03	3.63	3.43
571-538844	53884-4	H	Red	4.14	3.73	3.52	3.32

Adapters

Material:
- Housing: Polycarbonate, Blue

RoHS compliant per Tyco Electronics documentation RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Description	Price Each 1	25	50	100
571-538861	53886-1	I	Female	Panel Mount	4.04	3.63	3.43	3.23
571-538871	53887-1	J	Male	Panel Mount	4.04	3.63	3.43	3.23
571-538851	53885-1	K	---------	Surface Mount	9.59	9.14	8.22	7.77

Contacts

Material:
- Contact: Copper -.048(1.22)

RoHS compliant per Tyco Electronics documentation RoHS Compliant

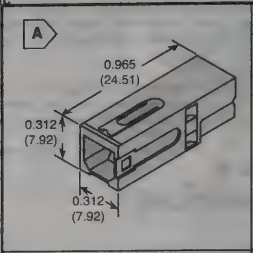
For quantities of 2000 and up, call for quote.

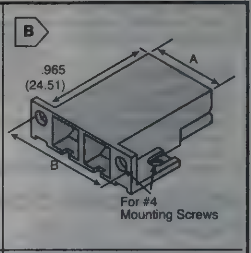
MOUSER STOCK NO.	AMP Part No.	Fig.	Type	Plating	Wire Size AWG	Price Each 1	100	500	1000
571-538804	53880-4	L	Crimp	Silver	10-6	.98	.88	.83	.78
571-543301	54330-1	M	Solder	Silver	6 Max.	2.44	2.20	2.07	1.95

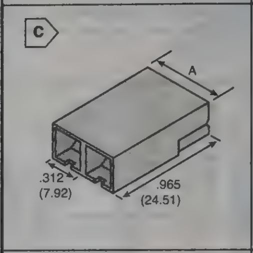
TOOLS

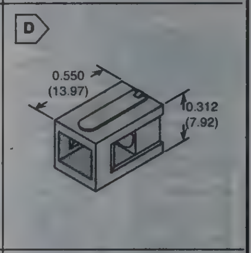
For quantities of 5 and up, call for quote.

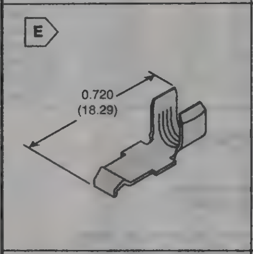
MOUSER STOCK NO.	AMP Part No.	Description	Wire Size AWG	Price Each
571-68347-1	68347-1	Hand tool for Series I crimp contacts	16-12	3074.55
571-68321-1	68321-1	Hand tool for Series II crimp contacts	14-6	2542.80
571-68265-1	68265-1	Extraction tool	- - -	1118.70

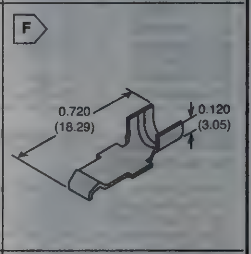


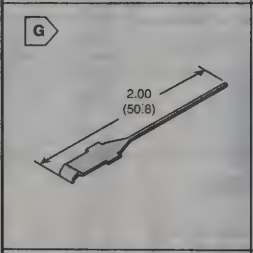


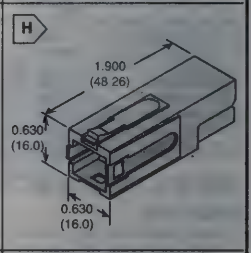


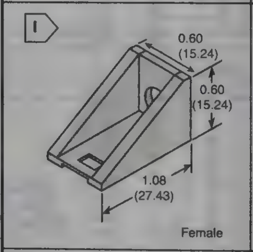


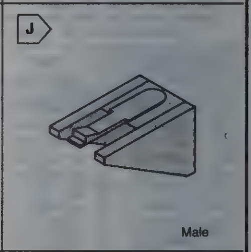


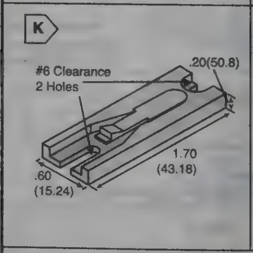


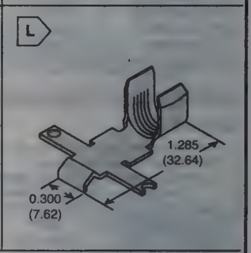


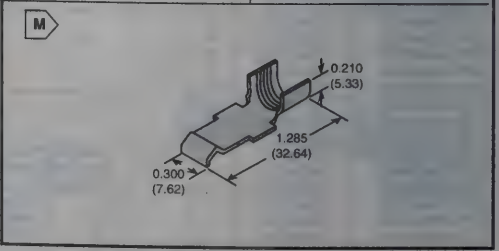












AMP Economy Power Connector System

RoHS Compliant **This page of product is compliant.**

WIRE-TO-BOARD CONNECTOR SYSTEM

AMP Economy Power connectors are designed for secondary power circuit applications. They consist of wire-to-pc board plug housings (for receptacle contacts) and mating post headers. During mating, the positive locking lever on the outside of the plug housing engages the mating header housing to provide for greater retention.

Features:
- .156" centerline
- Hooded contact designed to accept wire with insulation diameters up to .118"
- Positive locking feature built into header back wall
- Locking mechanism on connector housing maximizes retention
- Polarization tabs help prevent post misalignment and mismating
- Low-profile mating height of .641"

E28476

Specifications:
- Voltage Rating: 250 VAC
- Current Rating: 7.5 amp max. (2 to 12 pos.) 8 amp max. (1 pos)
- Durability: 50 mating and unmating cycles
- Operating Temperature: -25°C to +105°C
- Wire Size Range: 18-22 AWG

LR7189

Plug Housings

Material and Finish:
- Housing: UL 94V-0 rated nylon, natural color
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension A	Price Each			
					1	10	25	50
571-111237222	1-1123722-2	A	2	.310 (7.86)	.14	.13	.12	.11
571-111237223	1-1123722-3	A	3	.465 (11.82)	.15	.14	.13	.12
571-111237224	1-1123722-4	A	4	.621 (15.78)	.17	.16	.15	.14
571-111237225	1-1123722-5	A	5	.777 (19.74)	.20	.19	.18	.17
571-111237226	1-1123722-6	A	6	.933 (23.70)	.23	.22	.21	.20
571-111237227	1-1123722-7	A	7	1.089 (27.66)	.25	.24	.23	.22
571-111237228	1-1123722-8	A	8	1.245 (31.62)	.28	.26	.25	.24
571-111237229	1-1123722-9	A	9	1.401 (35.58)	.36	.34	.32	.30
571-111237220	1-1123722-0	A	10	1.557 (39.54)	.38	.35	.33	.31
571-111237221	1-1123722-1	A	11	1.713 (43.50)	.46	.41	.39	.37
571-16476902	1-647690-2	A	12	1.869 (47.47)	.76	.68	.64	.61

Vertical Post Headers, Low-Profile

Material and Finish:
- Housing: UL 94V-0 rated nylon, natural color
- Post: Tin-plated brass
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension A	Price Each			
					1	10	25	50
571-111237232	1-1123723-2	B	2	.310 (7.86)	.21	.20	.19	.18
571-111237233	1-1123723-3	B	3	.465 (11.82)	.26	.24	.23	.22
571-111237234	1-1123723-4	B	4	.621 (15.78)	.32	.29	.27	.26
571-111237235	1-1123723-5	B	5	.777 (19.74)	.41	.37	.35	.33
571-111237236	1-1123723-6	B	6	.933 (23.70)	.47	.42	.40	.38
571-111237237	1-1123723-7	B	7	1.089 (27.66)	.56	.53	.50	.48
571-111237238	1-1123723-8	B	8	1.245 (31.62)	.70	.67	.63	.60
571-111237239	1-1123723-9	B	9	1.401 (35.58)	.75	.68	.64	.60
571-111237230	1-1123723-0	B	10	1.557 (39.54)	.89	.85	.80	.76
571-111237231	1-1123723-1	B	11	1.713 (43.50)	.94	.85	.80	.76
571-16476892	1-647689-2	B	12	1.869 (47.47)	.96	.87	.82	.77

1 Position Plug Housing and Post Header, High Profile

Material and Finish:
- Housing: UL 94V-0 rated nylon, natural color
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Description	Price Each			
					1	10	25	50
571-111238231	1-1123823-1	C	1	Plug Housing	.48	.43	.40	.38
571-111238241	1-1123824-1	D	1	Post Header	.48	.43	.40	.38

Crimp, Snap-In Receptacle Contacts

- Wire Insulation Diameter: .067"-.118"
- RoHS Compliant per Tyco Electronics documentation

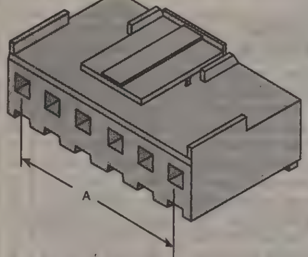
RoHS Compliant

For quantities of 2000 and up, call for quote.

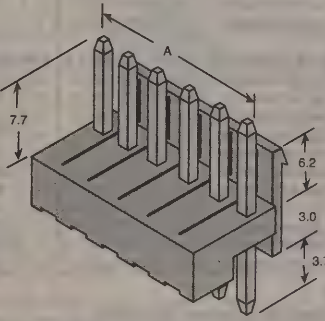
MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Size AWG	Material and Finish	Price Each			
					1	100	500	1000
571-11237211	1123721-1	E	18-22	Phos. Brz., Pre-Tin	.13	.12	.11	.10
571-11237212	1123721-2	E	18-22	Brass, Pre-Tin	.13	.12	.11	.10

DIMENSIONS: mm

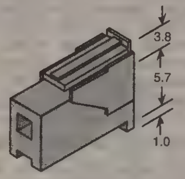
A



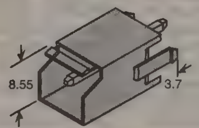
B



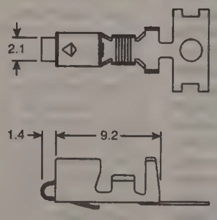
C



D



E



RoHS Compliant **This page of product is compliant.**

146-D SERIES POWER CONNECTORS

IP65 rated when properly mated and clamped.

Hoods

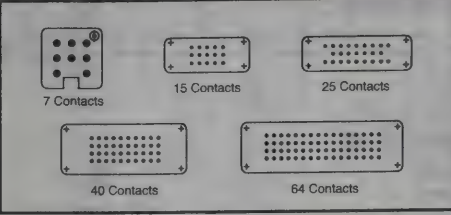
MOUSER STOCK NO.	Amphenol Part No.	Fig.	No. of Pos.	Cable Opening	Price Each
Top Entry Hoods Without PG Gland Bushing					
523-C14610G0032004	C146 10G003 200 4	A	7	PG11	3.22
523-C14610G0106004	C146 10G010 600 4	B	15	PG13.5	13.36
523-C14610G0166061	C146 10G016 606 1	B	40	PG21	15.79
523-C14610G0246061	C146 10G024 606 1	B	64	PG21	17.12
523-C14610G0166004	C146 10G016 600 4	B	25	PG16	15.65
523-C14610G0166001	C146 10G016 600 1	C	40	PG21	13.69
523-C14610G0246001	C146 10G024 600 1	C	64	PG21	16.48
Side Entry Hoods Without PG Gland Bushing					
523-C14610G0035004	C146 10G003 500 4	D	7	PG11	3.72
523-C14610G0105004	C146 10G010 500 4	E	15	PG13.5	13.56
523-C14610G0165061	C146 10G016 506 1	E	40	PG21	15.79
523-C14610G0165004	C146 10G016 500 4	E	64	PG21	15.38
523-C14610G0245061	C146 10G024 506 1	E	25	PG16	16.98
523-C14610G0165001	C146 10G016 500 1	F	40	PG21	14.98
523-C14610G0245001	C146 10G024 500 1	F	64	PG21	15.48

Bulk Head Housings - Accepts Male or Female Inserts

523-C14610F0030004	C146 10F003 000 4	G	7	–	3.52
523-C14610F0150002	C146 10F015 000 2	H	15	–	11.05
523-C14610F0160011	C146 10F016 001 1	H	40	–	16.37
523-C14610F0250002	C146 10F025 000 2	H	25	–	12.71
523-C14610F0240011	C146 10F024 001 1	H	64	–	16.37
523-C14610F0160001	C146 10F016 000 1	I	40	–	15.55
523-C14610F0240001	C146 10F024 000 1	I	64	–	18.27
523-C14610F0160031	C146 10F016 003 1	J	40	–	21.98
523-C14610F0240031	C146 10F024 003 1	J	64	–	26.36
523-C14610F0160021	C146 10F016 002 1	K	40	–	16.74
523-C14610F0240021	C146 10F024 002 1	K	64	–	18.09

Inserts

Male Inserts for Stamped Pin Contacts					
523-C14610A0070002	C146 10A007 000 2	–	7 + G	–	4.84
523-C14610A0150002	C146 10A015 000 2	–	15 + G	–	8.40
523-C14610A0250002	C146 10A025 000 2	–	25 + G	–	8.46
523-C14610A0400002	C146 10A040 000 2	–	40 + G	–	9.02
523-C14610A0640002	C146 10A064 000 2	–	64 + G	–	11.03
Female Inserts for Stamped Socket Contacts					
523-C14610B0070002	C146 10B007 000 2	–	7 + G	–	6.85
523-C14610B0150002	C146 10B015 000 2	–	15 + G	–	10.96
523-C14610B0250002	C146 10B025 000 2	–	25 + G	–	9.56
523-C14610B0400002	C146 10B040 000 2	–	40 + G	–	9.37
523-C14610B0640002	C146 10B064 000 2	–	64 + G	–	13.63



Stamped Contacts

*High Current

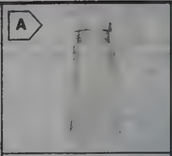
MOUSER STOCK NO.	Amphenol Part No.	Wire Gauge	Price Each
Pin Contacts			
523-VN0101600031	VN01 016 0003 1	26-20 AWG	.37
523-VN0101500021	VN01 016 0002 1	20-16 AWG	.37
523-VN0101600051	VN01 016 0005 1	16-14 AWG	.48
*523-VN0101600151	VN01 016 0015 1	20-16 AWG	.39
*523-VN0101600161	VN01 016 0016 1	16-14 AWG	.36
Socket Contacts			
523-VN0201600031	VN02 016 0003 1	26-20 AWG	.38
523-VN0201500021	VN02 016 0002 1	20-16 AWG	.46
523-VN0201600051	VN02 016 0005 1	16-14 AWG	.52
*523-VN0201600151	VN02 016 0015 1	20-16 AWG	.38
*523-VN0201600161	VN02 016 0016 1	16-14 AWG	.40

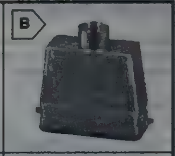
PG Gland Bushings

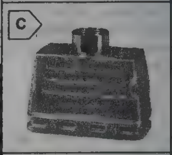
MOUSER STOCK NO.	Amphenol Part No.	PG Size	Price Each
523-VN161100014X	VN16 110 0014 X	11.0	1.79
523-VN161350014X	VN16 135 0014 X	13.5	2.99
523-VN161600014X	VN16 160 0014 X	16.0	2.69
523-VN162100014X	VN16 210 0014 X	21.0	3.99

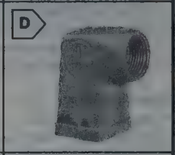
Tooling

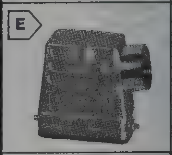
MOUSER STOCK NO.	Amphenol Part No.	Description	Price Each
523-TA0000	TA 0000	Hand Crimp	150.87
523-TA0000202	TA 0000 202	Die 26/20	158.15
523-TA000-163	TA 0000 163	Die 20/16	174.81
523-TA0000141	TA 0000 141	Die 16/14	172.31
523-TA00011460001	TA 0001 146 0001	Locator 26/20	29.90
523-TA00021460001	TA 0002 146 0001	Locator 20/16	27.49
523-TA00071460003	TA 0007 146 0003	Locator 16/14	33.34
523-FG03001461	FG 0300 146 1	Removal tool	56.49

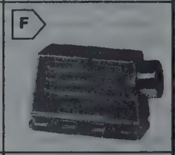


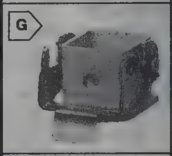


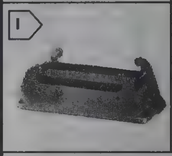


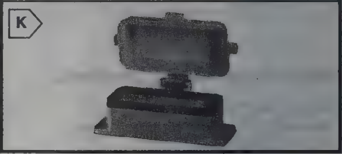












146-E SERIES POWER CONNECTOR KITS

Amphenol's most popular power connectors in the 146-E series are now kitted and available in two types: bulk head housing or hood kits. Each kit is complete and when combined with a mating half and properly clamped, provide an IP65 rating. No special tools are required with the easy screw termination and all include wire protection.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	No. of Positions	Latch Style	Kit Type	Cable Entry	Cable Diameter	Hood Profile	Spring Cover	Kit Components (BOM)			Price Each
									Hood or Housing	Insert w/ Contacts	Gland Bushing	
Bulkhead Housing Kits With Female Inserts												
523-C14610E0069401	C146 10E006 940 1	6 + G	Single	Panel	–	–	–	No	C14610F0060001	C14610B0061021	–	23.61
523-C14610E0069421	C146 10E006 942 1	6 + G	Single	Panel	–	–	–	Yes	C14610F0060031	C14610B0061021	–	29.65
523-C14610E0109411	C146 10E010 941 1	10 + G	Single	Panel	–	–	–	No	C14610F0100011	C14610B0101021	–	30.38
523-C14610E0109421	C146 10E010 942 1	10 + G	Single	Panel	–	–	–	Yes	C14610F0100031	C14610B0101021	–	36.29
523-C14610E0169411	C146 10E016 941 1	16 + G	Single	Panel	–	–	–	No	C14610F0160011	C14610B0161021	–	33.67
523-C14610E0169421	C146 10E016 942 1	16 + G	Single	Panel	–	–	–	Yes	C14610F0160031	C14610B0161021	–	39.77
523-C14610E0249411	C146 10E024 941 1	24 + G	Single	Panel	–	–	–	No	C14610F0240011	C14610B0241021	–	38.69
523-C14610E0249421	C146 10E024 942 1	24 + G	Single	Panel	–	–	–	Yes	C14610F0240031	C14610B0241021	–	49.52
523-C14610E0249401	C146 10E024 940 1	24 + G	Double	Panel	–	–	–	No	C14610F0240001	C14610B0241021	–	40.79
Mating Hood Kits With Male Inserts												
523-C14610E0069431	C146 10E006 943 1	6 + G	Single	Cable	Side	0.315"-0.630"	Low	–	C14610G0065011	C14610A0061021	VN161600014	24.88
523-C14610E0069458	C146 10E006 945 8	6 + G	Single	Cable	Side	0.433"-0.866"	High	–	C14610G0065068	C14610A0061021	VN162100014	27.54
523-C14610E0069441	C146 10E006 944 1	6 + G	Single	Cable	Top	0.315"-0.630"	Low	–	C14610G0066011	C14610A0061021	VN161600014	25.94
523-C14610E0069468	C146 10E006 946 8	6 + G	Single	Cable	Top	0.433"-0.866"	High	–	C14610G0066068	C14610A0061021	VN162100014	27.08
523-C14610E0109431	C146 10E010 943 1	10 + G	Single	Cable	Side	0.315"-0.630"	Low	–	C14610G0105061	C14610A0101021	VN161600014	31.06
523-C14610E0109461	C146 10E010 946 1	10 + G	Single	Cable	Side	0.433"-0.866"	Low	–	C14610G0105071	C14610A0101021	VN162100014	30.87
523-C14610E0109441	C146 10E010 944 1	10 + G	Single	Cable	Top	0.315"-0.630"	Low	–	C14610G0106061	C14610A0101021	VN161600014	30.75
523-C14610E0109451	C146 10E010 945 1	10 + G	Single	Cable	Top	0.433"-0.866"	Low	–	C14610G0106071	C14610A0101021	VN162100014	32.15
523-C14610E0169431	C146 10E016 943 1	16 + G	Single	Cable	Side	0.433"-0.866"	Low	–	C14610G0165061	C14610A0161021	VN162100014	35.98
523-C14610E0169441	C146 10E016 944 1	16 + G	Single	Cable	Top	0.433"-0.866"	Low	–	C14610G0166061	C14610A0161021	VN162100014	35.83
523-C14610E0249491	C146 10E024 949 1	24 + G	Single	Cable	Side	0.433"-0.866"	Low	–	C14610G0245061	C14610A0241021	VN162100014	43.21
523-C14610E0249478	C146 10E024 947 8	24 + G	Single	Cable	Side	0.433"-0.866"	High	–	C14610G0245068	C14610A0241021	VN162100014	42.87
523-C14610E0249551	C146 10E024 955 1	24 + G	Single	Cable	Side	0.748"-1.220"	Low	–	C14610G0245071	C14610A0241021	VN162900014	47.88
523-C14610E0249568	C146 10E024 956 8	24 + G	Single	Cable	Side	0.748"-1.220"	High	–	C14610G0245078	C14610A0241021	VN162900014	51.33
523-C14610E0249501	C146 10E024 950 1	24 + G	Single	Cable	Top	0.433"-0.866"	Low	–	C14610G0246061	C14610A0241021	VN162100014	43.37
523-C14610E0249488	C146 10E024 948 8	24 + G	Single	Cable	Top	0.433"-0.866"	High	–	C14610G0246008	C14610A0241021	VN162100014	42.87
523-C14610E0249581	C146 10E024 958 1	24 + G	Single	Cable	Top	0.748"-1.220"	Low	–	C14610G0246071	C14610A0241021	VN162900014	48.12
523-C14610E0249578	C146 10E024 957 8	24 + G	Single	Cable	Top	0.748"-1.220"	High	–	C14610G0246078	C14610A0241021	VN162900014	51.40
523-C14610E0249451	C146 10E024 945 1	24 + G	Double	Cable	Side	0.433"-0.866"	Low	–	C14610G0245001	C14610A0241021	VN162100014	41.60
523-C14610E0249438	C146 10E024 943 8	24 + G	Double	Cable	Side	0.433"-0.866"	High	–	C14610G0245008	C14610A0241021	VN162100014	40.98
523-C14610E0249531	C146 10E024 953 1	24 + G	Double	Cable	Side	0.748"-1.220"	Low	–	C14610G0245011	C14610A0241021	VN162900014	47.27
523-C14610E0249518	C146 10E024 951 8	24 + G	Double	Cable	Side	0.748"-1.220"	High	–	C14610G0245018	C14610A0241021	VN162900014	47.71
523-C14610E0249461	C146 10E024 946 1	24 + G	Double	Cable	Top	0.433"-0.866"	Low	–	C14610G0246001	C14610A0241021	VN162100014	42.67
523-C14610E0249448	C146 10E024 944 8	24 + G	Double	Cable	Top	0.433"-0.866"	High	–	C14610G0246068	C14610A0241021	VN162100014	40.50
523-C14610E0249541	C146 10E024 954 1	24 + G	Double	Cable	Top	0.748"-1.220"	Low	–	C14610G0246011	C14610A0241021	VN162900014	45.88
523-C14610E0249528	C146 10E024 952 8	24 + G	Double	Cable	Top	0.748"-1.220"	High	–	C14610G0246018	C14610A0241021	VN162900014	47.71

CINCH Jones Plugs and Sockets

JONES PLUGS / SOCKETS SERIES 300

Features:

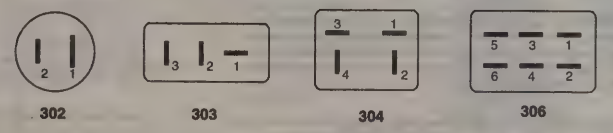
- Solder lug terminals with .093" x .062" wiring holes
- Two-contact "Jones" connector is round, all others are rectangular
- For use in cable-to-panel and cable-to-cable applications
- Designed for light and medium duty
- Polarized to prevent wrong-way insertion

Specifications:

- Insulation material: molded monoblock, general purpose phenolic, black UL94V-1
- Contact material: plug - brass, socket - phosphor bronze
- Contact plating: cadmium
- Operating temperature: up to +105°C
- Hood material: UL 94V-0
- Withstanding voltage: 730VACRMS
- Current rating: 10A
- Contact resistance: 16mΩ max.

∗ Two-contact "Jones" round connector, Dimension "A" is the diameter.

Polarizing Patterns - 300 Series



Plug with Hood and 180° Cable Clamp

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Cont.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
∗538-13021	P-302-CCT	A	2	ø.691	- - -	.953	.375	.359	3.20	2.84	2.61	2.46
538-13031	P-303-CCT	A	3	1.034	.472	.953	.313	.359	3.50	3.11	2.86	2.69
538-13041	P-304-CCT	A	4	.786	.724	.953	.375	.469	3.90	3.47	3.18	3.00
538-13061	P-306-CCT	A	6	1.036	.724	1.078	.438	.484	4.28	3.80	3.49	3.29

Socket with Hood and 180° Cable Clamp

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Cont.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
∗538-23021	S-302-CCT	B	2	ø.691	- - -	.953	.375	.359	3.38	3.00	2.76	2.60
538-23031	S-303-CCT	B	3	1.034	.472	.953	.313	.359	3.95	3.51	3.22	3.04
538-23041	S-304-CCT	B	4	.786	.724	.953	.375	.469	4.00	3.56	3.27	3.08
538-23061	S-306-CCT	B	6	1.036	.724	1.078	.438	.484	4.55	4.04	3.71	3.50

Plug with Hood, 180° Cable Clamp and Lock

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Cont.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
∗538-13022	P-302-CCT-L	C	2	ø.691	- - -	.953	.375	.359	5.78	5.13	4.71	4.44
538-13032	P-303-CCT-L	C	3	1.034	.472	.953	.313	.359	6.53	5.80	5.33	5.02
538-13042	P-304-CCT-L	C	4	.786	.724	.953	.375	.469	6.38	5.67	5.20	4.90
538-13062	P-306-CCT-L	C	6	1.036	.724	1.078	.438	.484	6.78	6.02	5.53	5.21

Socket with Hood, 180° Cable Clamp and Keeper

For quantities of 200 and up, call for quote

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Cont.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
∗538-23022	S-302-CCT-K	D	2	ø.691	- - -	.953	.375	.359	6.83	6.07	5.57	5.25
538-23032	S-303-CCT-K	D	3	1.034	.472	.953	.313	.359	7.05	6.27	5.76	5.42
538-23042	S-304-CCT-K	D	4	.786	.724	.953	.375	.469	6.85	6.09	5.59	5.27
538-23062	S-306-CCT-K	D	6	1.036	.724	1.078	.438	.484	7.48	6.64	6.10	5.75

Plug with Angle Bracket

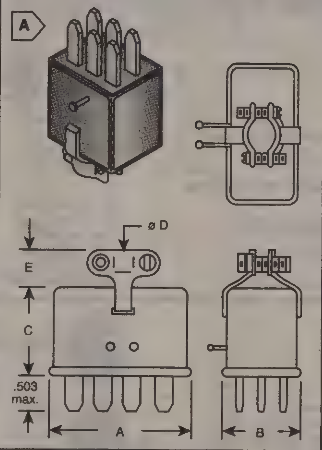
For quantities of 200 and up, call for quote

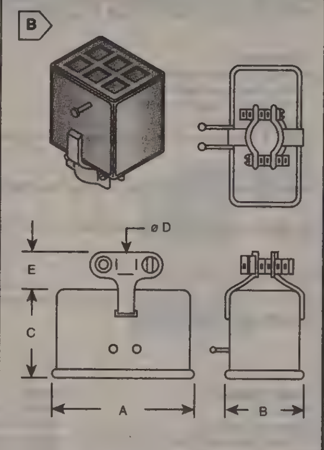
MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Cont.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
∗538-13023	P-302-AB	E	2	ø.656	- - -	.969	1.219	.313	1.73	1.53	1.41	1.33
538-13033	P-303-AB	E	3	1.000	.438	.750	1.062	.313	1.88	1.67	1.53	1.44
538-13043	P-304-AB	E	4	.750	.688	1.000	1.312	.313	2.00	1.78	1.63	1.54
538-13063	P-306-AB	E	6	1.000	.688	1.000	1.312	.313	2.60	2.31	2.12	2.00

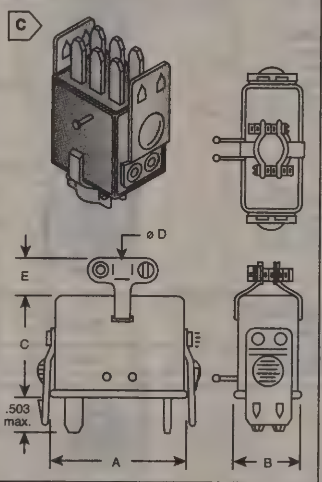
Socket with Angle Bracket

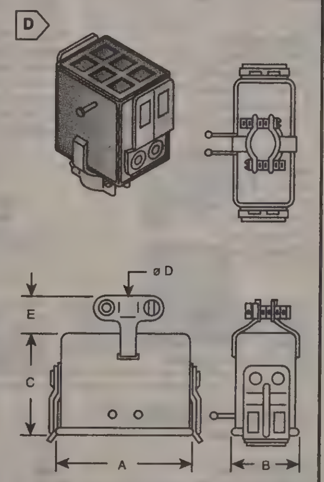
For quantities of 200 and up, call for quote

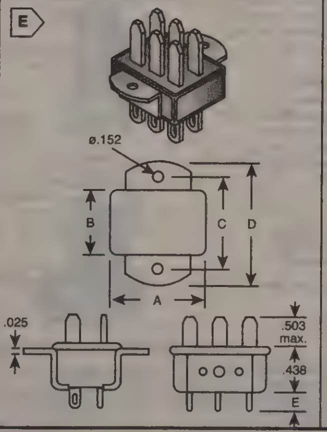
MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Cont.	Dimensions (In.)					Price Each			
				A	B	C	D	E	1	25	50	100
∗538-23023	S-302-AB	F	2	ø.656	- - -	.969	1.219	.297	1.78	1.58	1.45	1.37
538-23033	S-303-AB	F	3	1.000	.438	.750	1.062	.297	2.20	1.96	1.80	1.69
538-23043	S-304-AB	F	4	.750	.688	1.000	1.312	.297	2.30	2.04	1.88	1.77
538-23063	S-306-AB	F	6	1.000	.688	1.000	1.312	.297	3.03	2.69	2.47	2.33

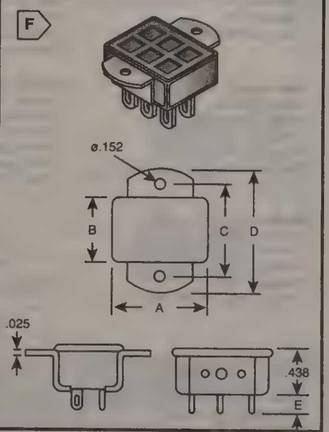












HARTING Heavy Duty Han® Power Connectors

HEAVY DUTY HAN® POWER CONNECTORS

Rated 10 to 100 amps

Han® connectors are multi-pin connectors that utilize hoods and housings for protection from dust, liquids, and physical damage. All series have UL and CSA electrical approvals and NEMA Type 4/12 and IP type environmental ratings as well as many international approvals.

Inserts carry the male and female contacts and feature protective leading ground, polarization to prevent incorrect connections, and interchangeability of male and female inserts in either hoods or housings. Inserts can also be used in rack and panel applications without hoods and housings.

Hoods connect to the cable and housings generally mount to the cabinet or machine. All hoods and housings meet NEMA Type 4/12 and equivalent international standard IEC 529 (DIN 40050) IP 65 degree of protection, which specifies that enclosures are protected.

HARTING Heavy Duty Han® connectors can be used in a wide variety of applications in many industries including:

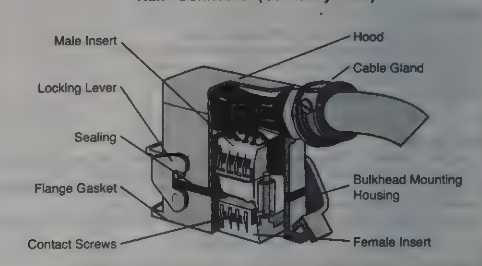
Robotics	Semiconductor
Transportation	Industrial Automation
Machine tools	Plastics machinery
Conveyors	Power utilities
Chemical plants	and many others.

For a complete connector: choose a kit or pick male and female mating inserts with same size hood and housing. Order crimp contacts and cable glands when necessary.

RoHS compliant per HARTING documentation

RoHS Compliant

Han® Connector (Cut Away View)



HAN® A/B MATING CONNECTOR KITS

Features:
- Ready to assemble complete connector kit
- Heavy duty screw terminal inserts
- IP65/ NEMA 4 rated assemblies
- Hood/Housing Color: Gray
- Male & Female inserts are interchangeable between hoods and housings.

Each Kit Includes:
Female Insert, Male Insert, Hood, Housing, Mounting Gasket, and Cable Gland

All parts on this page are RoHS compliant per HARTING documentation

RoHS Compliant

HAN-KIT® 3AGM

Cable Gland:
- Size: M20
- Material: Metal
- Cable Diameter: 5-9mm / 6-12mm

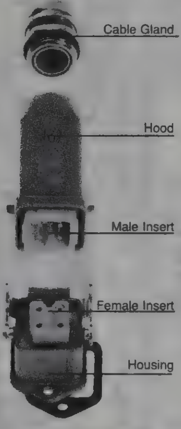
Hood:
- Han 3 A Series
- Degree of protection: IP 67
- Material: Die cast zinc alloy
- Cable entry: M20

Male Insert:
- Han 3 A Series
- Rated voltage: 600V UL/CSA
- Positions: 3-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 3 A Series
- Rated voltage: 600V UL/CSA
- Positions: 3-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 3 A Series
- Mounting: Straight Bulkhead
- Material: Die cast zinc alloy
- Flange Gasket
- Panel Cutout: 22 x 22 mm

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-003-0001	10 20 003 0001	45.86

HAN-KIT® 3AWM

Cable Gland:
- Size: M20
- Material: Metal
- Cable Diameter: 5-9mm / 6-12mm

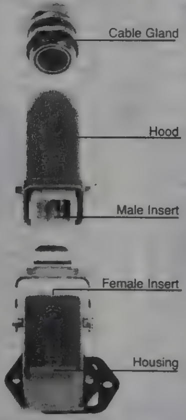
Hood:
- Han 3 A Series
- Degree of protection: IP 67
- Material: Die cast zinc alloy
- Cable entry: M20

Male Insert:
- Han 3 A Series
- Rated voltage: 600V UL/CSA
- Positions: 3-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 3 A Series
- Rated voltage: 600V UL/CSA
- Positions: 3-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 3 A Series
- Mounting: Right Angle Bulkhead
- Material: Die cast zinc alloy
- Flange Gasket
- Panel Cutout: 22 x 22 mm

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-003-0003	10 20 003 0003	39.92

HAN-KIT® 3AGK

Cable Gland:
- Size: M20
- Material: Plastic
- Cable Diameter: 5-9mm / 6-12mm

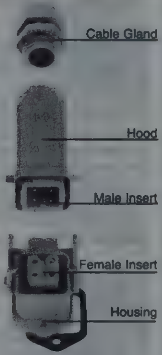
Hood:
- Han 3 A Series
- Degree of protection: IP 67
- Material: Plasic
- Cable entry: M20

Male Insert:
- Han 3 A Series
- Rated voltage: 600V UL/CSA
- Positions: 3-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 3 A Series
- Rated voltage: 600V UL/CSA
- Positions: 3-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 3 A Series
- Mounting: Straight Bulkhead
- Material: Plastic
- Flange Gasket
- Panel Cutout: 22 x 22 mm

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-003-0002	10 20 003 0002	38.50

HAN-KIT® 3AWK

Cable Gland:
- Size: M20
- Material: Plastic
- Cable Diameter: 5-9mm / 6-12mm

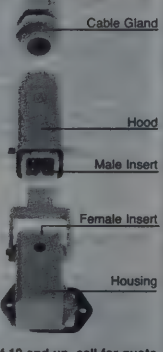
Hood:
- Han 3 A Series
- Degree of protection: IP 67
- Material: Plasic
- Cable entry: M20

Male Insert:
- Han 3 A Series
- Rated voltage: 600V UL/CSA
- Positions: 3-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 3 A Series
- Rated voltage: 600V UL/CSA
- Positions: 3-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 3 A Series
- Mounting: Right Angle Bulkhead
- Material: Plastic
- Flange Gasket
- Panel Cutout: 22 x 22 mm

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-003-0004	10 20 003 0004	40.96

HAN-KIT® 4AGM

Cable Gland:
- Size: M20
- Material: Metal
- Cable Diameter: 5-9mm / 6-12mm

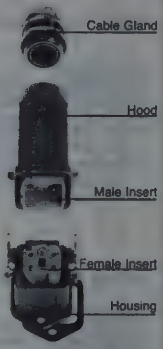
Hood:
- Han 3 A Series
- Degree of protection: IP 67
- Material: Die cast zinc alloy
- Cable entry: M20

Male Insert:
- Han 4 A Series
- Rated voltage: 600V UL/CSA
- Positions: 4-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 4 A Series
- Rated voltage: 600V UL/CSA
- Positions: 4-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 3 A Series
- Mounting: Straight Bulkhead
- Material: Die cast zinc alloy
- Flange Gasket
- Panel Cutout: 22 x 22 mm

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-004-0001	10 20 004 0001	38.60

HAN® A/B MATING CONNECTOR KITS (CONT.)

Features:
- Ready to assemble complete connector kits
- Heavy duty screw terminal inserts
- IP65/ NEMA 4 rated assemblies
- Hood/Housing Color: Gray
- Male and Female inserts are interchangeable between hoods and housings.

- **Each Kit Includes**: Female Insert, Male Insert, Hood, Housing, Mounting Gasket and Cable Gland

All parts on this page are RoHS compliant per HARTING documentation

RoHS Compliant

HAN-KIT® 4AWM

Cable Gland:
- Size: M20
- Material: Metal
- Cable Diameter: 5-9mm / 6-12mm

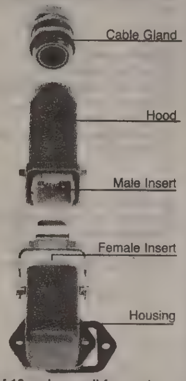
Hood:
- Han 3 A Series
- Degree of protection: IP 67
- Material: Die cast zinc alloy
- Cable entry: M20

Male Insert:
- Han 4 A Series
- Rated voltage: 600V UL/CSA
- Positions: 4-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 4 A Series
- Rated voltage: 600V UL/CSA
- Positions: 4-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 3 A Series
- Mounting: Right Angle Bulkhead
- Material: Die cast zinc alloy
- Flange Gasket
- Panel Cutout: 22 x 22 mm

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-25-004-0003	10 20 004 0003	41.82

HAN-KIT® 4AGK

Cable Gland:
- Size: M20
- Material: Plastic
- Cable Diameter: 5-9mm / 6-12mm

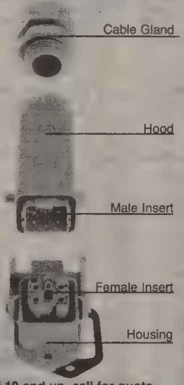
Hood:
- Han 3 A Series
- Degree of protection: IP 67
- Material: Plastic
- Cable entry: M20

Male Insert:
- Han 4 A Series
- Rated voltage: 600V UL/CSA
- Positions: 4-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 4 A Series
- Rated voltage: 600V UL/CSA
- Positions: 4-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 3 A Series
- Mounting: Straight Bulkhead
- Material: Plastic
- Flange Gasket
- Panel Cutout: 22 x 22 mm

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-004-0002	10 20 004 0002	40.88

HAN-KIT® 4AWK

Cable Gland:
- Size: M20
- Material: Plastic
- Cable Diameter: 5-9mm / 6-12mm

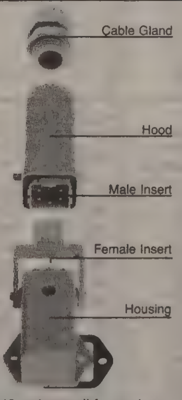
Hood:
- Han 3 A Series
- Degree of protection: IP 67
- Material: Plastic
- Cable entry: M20

Male Insert:
- Han 4 A Series
- Rated voltage: 600V UL/CSA
- Positions: 4-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 4 A Series
- Rated voltage: 600V UL/CSA
- Positions: 4-pins + PE
- Rated current: 10A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 3 A Series
- Mounting: Right Angle Bulkhead
- Material: Plastic
- Flange Gasket
- Panel Cutout: 22 x 22 mm

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-004-0004	10 20 004 0004	43.34

HAN-KIT® 10A

Cable Gland:
- Size: M20
- Material: Metal
- Cable Diameter: 5-9mm/ 6-12mm

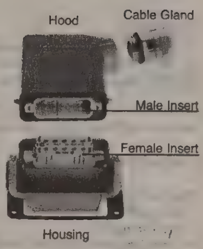
Hood:
- Han 10 A Series
- Degree of protection: IP 65
- Material: Die cast aluminum alloy
- Cable entry: M20

Male Insert:
- Han 10 A Series
- Working voltage: 600V UL/CSA
- Positions: 10-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 10 A Series
- Working voltage: 600V UL/CSA
- Positions: 10-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Bulkhead mounting Han 10 A Series
- Material: Die cast aluminum alloy
- Flange Gasket
- Panel Cutout: 57 x 24 mm
- Mounting: Straight Bulkhead

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-010-0000	10 20 010 0000	69.46

HAN-KIT® 16A

Cable Gland:
- Size: M20
- Material: Metal
- Cable Diameter: 5-9mm/ 6-12mm

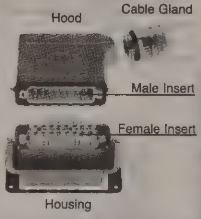
Hood:
- Han 10 A Series
- Degree of protection: IP 65
- Material: Die cast aluminum alloy
- Cable entry: M20

Male Insert:
- Han 16 A Series
- Working voltage: 600V UL/CSA
- Positions: 16-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 16 A Series
- Working voltage: 600V UL/CSA
- Positions: 16-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 16 A Series
- Material: Die cast aluminum alloy
- Flange Gasket
- Panel Cutout: 73 x 24 mm
- Mounting: Straight Bulkhead

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-20-016-0000	10 20 016 0000	92.16

HAN-KIT® 6B

Cable Gland:
- Size: M20
- Material: Metal
- Cable Diameter: 5-9mm/ 6-12mm

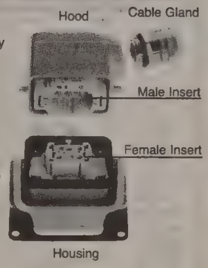
Hood:
- Han 6 B Series
- Degree of protection: IP 65
- Material: Die cast aluminum alloy
- Cable entry: M20

Male Insert:
- Han 6 E Series
- Working voltage: 600V UL/CSA
- Positions: 6-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 6 E Series
- Working voltage: 600V UL/CSA
- Positions: 6-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Han 6 B Series
- Material: Die cast aluminum alloy
- Flange Gasket
- Panel Cutout: 48 x 35 mm
- Mounting: Straight Bulkhead

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-33-006-0000	10 33 006 0000	52.08

HAN-KIT® 10B

Cable Gland:
- Size: M25
- Material: Metal
- Cable Diameter: 9-16mm/ 13-18mm

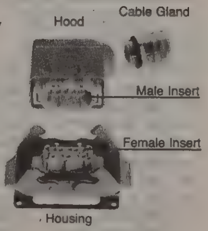
Hood:
- Han 10 B Series
- Degree of protection: IP 65
- Material: Die cast aluminum alloy
- Cable entry: M25

Male Insert:
- Han 10 E Series
- Working voltage: 600V UL/CSA
- Positions: 10-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Female Insert:
- Han 10 E Series
- Working voltage: 600V UL/CSA
- Positions: 10-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:
- Bulkhead mounting Han 10 B Series
- Material: Die cast aluminum alloy
- Flange Gasket
- Panel Cutout: 60 x 35 mm
- Mounting: Straight Bulkhead

RoHS Compliant



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-33-010-0000	10 33 010 0000	65.94

HAN® A/B MATING CONNECTOR KITS (CONT.)

Features:

- Ready to assemble complete connector kits
- Heavy duty screw terminal inserts
- IP65/ NEMA 4 rated assemblies
- Hood/Housing Color: Gray
- Male and Female inserts are interchangeable between hoods and housing

Each Kit Includes:

- Female Insert, Male Insert, Hood, Housing, Mounting Gasket, and Cable Gland
- RoHS compliant per HARTING documentation

RoHS Compliant

Han-Kit® 16B

Cable Gland:

- Size: M32
- Material: Metal
- Cable Diameter: 13-20mm/ 18-25mm

Male insert:

- Han 16 E Series
- Working voltage: 600V UL/CSA
- Positions: 16-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:

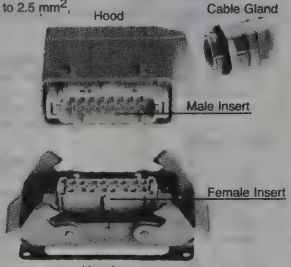
- Han 16 E Series
- Material: Die cast aluminum alloy
- Flange Gasket
- Panel Cutout: 82 x 35 mm
- Mounting: Straight Bulkhead

Hood:

- Han 16 B Series
- Degree of protection: IP 65
- Material: Die cast aluminum alloy
- Cable entry: M32

Female Insert:

- Han 16 E Series
- Working voltage: 600V UL/CSA
- Positions: 16-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14



RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-33-016-0000	10 33 016 0000	74.40

Han-Kit® 24B

Cable Gland:

- Size: M32
- Material: Metal
- Cable Diameter: 13-20mm/ 18-25mm

Male Insert:

- Han 24 E Series
- Working voltage: 600V UL/CSA
- Positions: 24-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14

Housing:

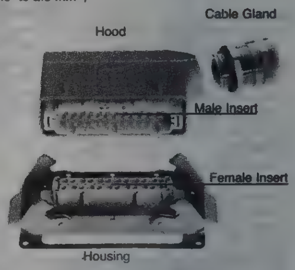
- Han 24 B Series
- Material: Die cast aluminum alloy
- Flange Gasket
- Panel Cutout: 108 x 35 mm
- Mounting: Straight Bulkhead

Hood:

- Han 24 B Series
- Degree of protection: IP 65
- Material: Die cast aluminum alloy
- Cable entry: M32

Female Insert:

- Han 24 E Series
- Working voltage: 600V UL/CSA
- Positions: 24-pins + PE
- Working current: 16A
- Screw terminal: 1.0 to 2.5 mm^2, AWG 18-14



RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Price Each
617-10-33-024-0000	10 33 024 0000	91.24

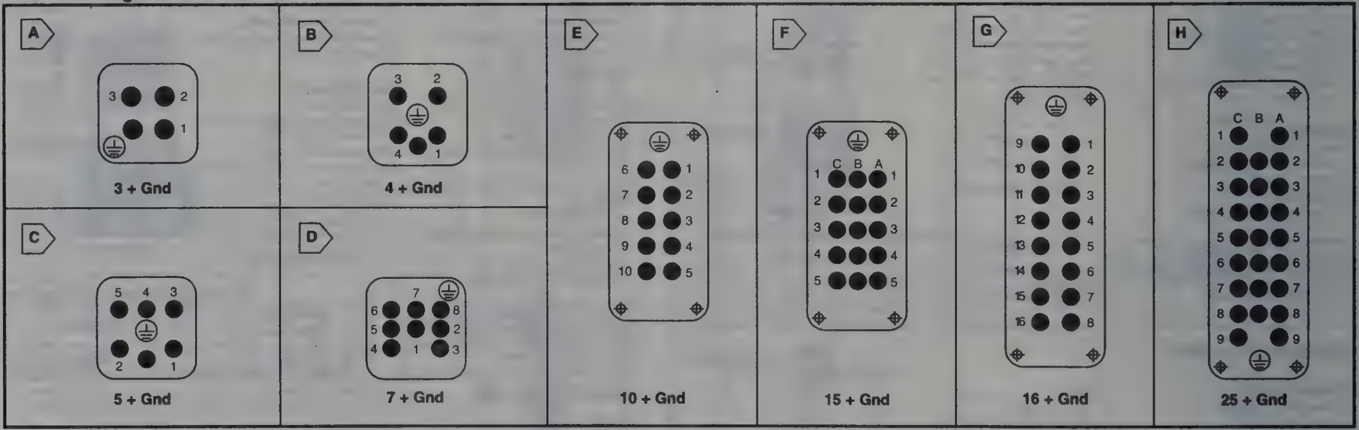
HAN® INSERTS FOR TYPE A HOODS AND HOUSINGS

- Leading protective ground
- Polarized for correct mating
- Male and Female inserts are interchangeable between hoods and housings
- Crimp Contacts selection is based on Han® insert series and AWG size.
- Crimp Contacts sold separately (see Accessories page)
- Screw Terminals or Crimp Contacts

RoHS compliant per HARTING documentation

RoHS Compliant

Contact Arrangement View Is From Termination Side Of The Male Connector



Inserts are organized by Hood and Housing size

* Crimp Contacts Sold Separately (see accessories page) **For quantities of 50 and up, call for quote.**

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Han® Hood & Housing Size	AWG	* Contact Type	Han® Insert Series	Contact Rating	Price Each 1	10	25
617-09-20-003-2611	09 20 003 2611	A	3 + Gnd	Male	3A	18-14	Screw	A	10A/ 600V	8.64	7.78	7.34
617-09-20-003-2711	09 20 003 2711	A	3 + Gnd	Female	3A	18-14	Screw	A	10A/ 600V	9.58	8.62	8.14
617-09-20-004-2611	09 20 004 2611	B	4 + Gnd	Male	3A	18-14	Screw	A	10A/ 600V	9.86	8.87	8.38
617-09-20-004-2711	09 20 004 2711	B	4 + Gnd	Female	3A	18-14	Screw	A	10A/ 600V	9.94	8.95	8.45
617-09-12-005-3001	09 12 005 3001	C	5 + Gnd	Male	3A	20-14	Crimp	Q	16A/ 600V	9.36	8.42	7.96
617-09-12-005-3101	09 12 005 3101	C	5 + Gnd	Female	3A	20-14	Crimp	Q	16A/ 600V	8.24	7.42	7.00
617-09-21-007-3031	09 21 007 3031	D	7 + Gnd	Male	3A	26-14	Crimp	D	10A/ 600V	4.52	4.07	3.84
617-09-21-007-3131	09 21 007 3131	D	7 + Gnd	Female	3A	26-14	Crimp	D	10A/ 600V	4.66	4.19	3.96
617-09-20-010-2612	09 20 010 2612	E	10 + Gnd	Male	10A	18-14	Screw	A	16A/ 250V	15.90	14.31	13.52
617-09-20-010-2812	09 20 010 2812	E	10 + Gnd	Female	10A	18-14	Screw	A	16A/ 250V	17.24	15.52	14.65
617-09-21-015-3001	09 21 015 3001	F	15 + Gnd	Male	10A	26-14	Crimp	D	10A/ 250V	11.74	10.57	9.98
617-09-21-015-3101	09 21 015 3101	F	15 + Gnd	Female	10A	26-14	Crimp	D	10A/ 250V	11.74	10.57	9.98
617-09-20-016-2612	09 20 016 2612	G	16 + Gnd	Male	16A	18-14	Screw	A	16A/ 250V	19.36	17.42	16.46
617-09-20-016-2812	09 20 016 2812	G	16 + Gnd	Female	16A	18-14	Screw	A	16A/ 250V	25.60	23.04	21.76
617-09-21-025-3001	09 21 025 3001	H	25 + Gnd	Male	16A	26-14	Crimp	D	10A/ 250V	13.26	11.93	11.27
617-09-21-025-3101	09 21 025 3101	H	25 + Gnd	Female	16A	26-14	Crimp	D	10A/ 250V	13.26	11.93	11.27

HARTING Heavy Duty Han® Power Connectors

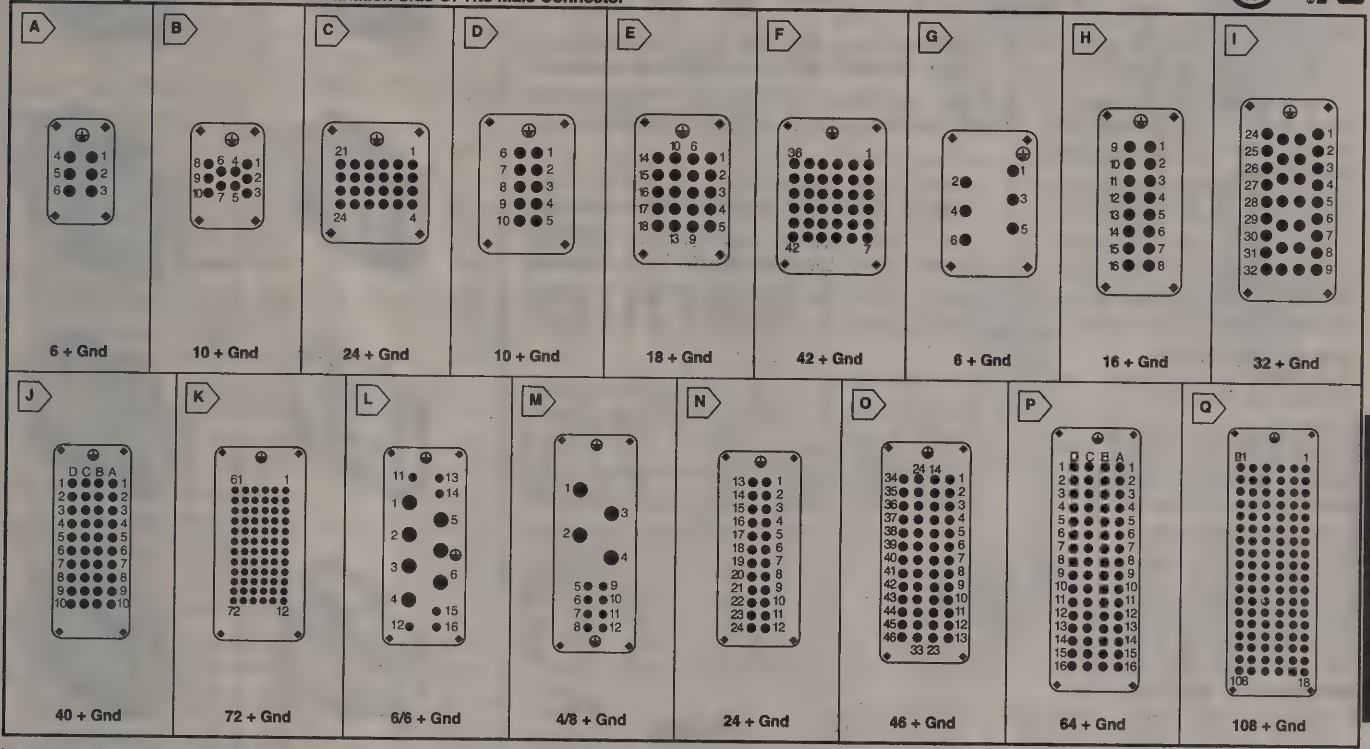
HEAVY DUTY HAN® POWER CONNECTORS

Han® Inserts For Type B Hoods and Housings

- Leading protective ground
- Polarized for correct mating
- Screw Terminals or Crimp Contacts
- Male and Female inserts are interchangeable between hoods and housings
- RoHS Compliant per HARTING documentation
- Crimp Contacts sold separately (see accessories page)
- Crimp Contacts selection is based on Han® insert series and AWG size.
- Axial Screw terminations recommended VDE 0295 Tupe 5 fine Wire Strand

RoHS Compliant

Contact Arrangement View Is From Termination Side Of The Male Connector



Inserts are organized by Hood and Housing size

∗ Crimp contacts sold separately (see accessories page)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Han® Hood & Housing Size	Contact ∗Type	AWG	Han® Insert Series	Contact Rating	Price Each	
										1	10
617-09-33-006-2601	09 33 006 2601	A	6 + Gnd	Male	6B	Screw	14	E	16A/ 600V	10.92	9.83
617-09-33-006-2701	09 33 006 2701	A	6 + Gnd	Female	6B	Screw	14	E	16A/ 600V	11.28	10.15
617-09-33-006-2602	09 33 006 2602	A	6 + Gnd	Male	6B	Crimp	20-12	E	16A/ 600V	10.12	9.11
617-09-33-006-2702	09 33 006 2702	A	6 + Gnd	Female	6B	Crimp	20-12	E	16A/ 600V	10.12	9.11
617-09-32-010-3001	09 32 010 3001	B	10 + Gnd	Male	6B	Crimp	20-12	EE	16A/ 600V	18.60	16.74
617-09-32-010-3101	09 32 010 3101	B	10 + Gnd	Female	6B	Crimp	20-12	EE	16A/ 600V	18.88	16.99
617-09-16-024-3001	09 16 024 3001	C	24 + Gnd	Male	6B	Crimp	26-14	DD	10A/ 600V	20.02	18.02
617-09-16-024-3101	09 16 024 3101	C	24 + Gnd	Female	6B	Crimp	26-14	DD	10A/ 600V	20.02	18.02
617-09-33-010-2601	09 33 010 2601	D	10 + Gnd	Male	10B	Screw	14	E	16A/ 600V	13.90	12.51
617-09-33-010-2701	09 33 010 2701	D	10 + Gnd	Female	10B	Screw	14	E	16A/ 600V	14.36	12.92
617-09-33-010-2602	09 33 010 2602	D	10 + Gnd	Male	10B	Crimp	20-12	E	16A/ 600V	11.18	10.06
617-09-33-010-2702	09 33 010 2702	D	10 + Gnd	Female	10B	Crimp	20-12	E	16A/ 600V	11.18	10.06
617-09-32-018-3001	09 32 018 3001	E	18 + Gnd	Male	10B	Crimp	20-12	EE	16A/ 600V	21.06	18.95
617-09-32-018-3101	09 32 018 3101	E	18 + Gnd	Female	10B	Crimp	20-12	EE	16A/ 600V	21.20	19.08
617-09-16-042-3001	09 16 042 3001	F	42 + Gnd	Male	10B	Crimp	26-14	DD	10A/ 600V	20.92	18.83
617-09-16-042-3101	09 16 042 3101	F	42 + Gnd	Female	10B	Crimp	26-14	DD	10A/ 600V	20.68	18.61
617-09-31-006-2601	09 31 006 2601	G	6 + Gnd	Male	16B	Screw	10	HsB	35A/ 600V	25.66	23.09
617-09-31-006-2701	09 31 006 2701	G	6 + Gnd	Female	16B	Screw	10	HsB	35A/ 600V	31.94	28.75
617-09-33-016-2601	09 33 016 2601	H	16 + Gnd	Male	16B	Screw	14	E	16A/ 600V	15.34	13.81
617-09-33-016-2701	09 33 016 2701	H	16 + Gnd	Female	16B	Screw	14	E	16A/ 600V	16.60	14.94
617-09-33-016-2602	09 33 016 2602	H	16 + Gnd	Male	16B	Crimp	20-12	E	16A/ 600V	13.82	12.44
617-09-33-016-2702	09 33 016 2702	H	16 + Gnd	Female	16B	Crimp	20-12	E	16A/ 600V	13.82	12.44
617-09-32-032-3001	09 32 032 3001	I	32 + Gnd	Male	16B	Crimp	20-12	EE	16A/ 600V	26.24	23.62
617-09-32-032-3101	09 32 032 3101	I	32 + Gnd	Female	16B	Crimp	20-12	EE	16A/ 600V	26.80	24.12
617-09-21-040-3001	09 21 040 3001	J	40 + Gnd	Male	16B	Crimp	26-14	D	10A/ 600V	13.90	12.51
617-09-21-040-3101	09 21 040 3101	J	40 + Gnd	Female	16B	Crimp	26-14	D	10A/ 600V	14.10	12.69
617-09-16-072-3001	09 16 072 3001	K	72 + Gnd	Male	16B	Crimp	26-14	DD	10A/ 600V	22.34	20.11
617-09-16-072-3101	09 16 072 3101	K	72 + Gnd	Female	16B	Crimp	26-14	DD	10A/ 600V	23.50	21.15
∗ 617-09-38-012-2651	09 38 012 2651	L	6/6 + Gnd	Male	24B	Screw	5-2/24-13	Han-Com	100A/ 16A/ 600V	121.06	108.95
∗ 617-09-38-012-2751	09 38 012 2751	L	6/6 + Gnd	Female	24B	Screw	5-2/24-13	Han-Com	100A/ 16A/ 600V	140.54	126.49
617-09-38-012-2601	09 38 012 2601	M	4/8 + Gnd	Male	24B	Screw	16-6/20-14	Han-Com	80A/ 16A/ 600V	78.64	70.78
617-09-38-012-2701	09 38 012 2701	M	4/8 + Gnd	Female	24B	Screw	16-6/20-14	Han-Com	80A/ 16A/ 600V	90.60	81.54
617-09-33-024-2601	09 33 024 2601	N	24 + Gnd	Male	24B	Screw	14	E	16A/ 600V	20.78	18.70
617-09-33-024-2701	09 33 024 2701	N	24 + Gnd	Female	24B	Screw	14	E	16A/ 600V	22.48	20.23
617-09-33-024-2602	09 33 024 2602	N	24 + Gnd	Male	24B	Crimp	20-12	E	16A/ 600V	15.76	14.18
617-09-33-024-2702	09 33 024 2702	N	24 + Gnd	Female	24B	Crimp	20-12	E	16A/ 600V	15.76	14.18
617-09-32-046-3001	09 32 046 3001	O	46 + Gnd	Male	24B	Crimp	20-12	EE	16A/ 600V	31.38	28.24
617-09-32-046-3101	09 32 046 3101	O	46 + Gnd	Female	24B	Crimp	20-12	EE	16A/ 600V	32.92	29.63
617-09-21-064-3001	09 21 064 3001	P	64 + Gnd	Male	24B	Crimp	26-14	D	10A/ 600V	14.40	12.96
617-09-21-064-3101	09 21 064 3101	P	64 + Gnd	Female	24B	Crimp	26-14	D	10A/ 600V	14.58	13.12
617-09-16-108-3001	09 16 108 3001	Q	108 + Gnd	Male	24B	Crimp	26-14	DD	10A/ 600V	25.08	22.57
617-09-16-108-3101	09 16 108 3101	Q	108 + Gnd	Female	24B	Crimp	26-14	DD	10A/ 600V	25.08	22.57

∗ Special Axial screw terminaion

HARTING Heavy Duty Han® Modular Connectors

MODULES

- Male insert with additional protection collar
- Polorization of module
- DIN VDE 0627, DIN VDE 0110, DIN EN 61 984
- Axial screw terminations recommended VDE 0295 Type 5 fine strand wire
- RoHS Compliant per HARTING documentation

RoHS Compliant

Axial Screw Modules

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Contact Type *	AWG	Contact Rating	Price Each		
								1	10	25
Han® Axial Screw Module 40										
617-09-14-002-2601	09 14 002 2601	A	2	Male	Axial Screw	14-8	40A/ 1000V	17.30	15.57	14.71
617-09-14-002-2701	09 14 002 2701	B	2	Female	Axial Screw	14-8	40A/ 1000V	20.26	18.23	17.22
Han® C Axial Screw Modules										
617-09-14-003-2601	09 14 003 2601	C	3	Male	Axial Screw	14-8	40A/ 690V	17.12	15.41	14.56
617-09-14-003-2701	09 14 003 2701	D	3	Female	Axial Screw	14-8	40A/ 690V	20.46	18.42	17.40

Crimp Modules

* Crimp contact sold separately

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Contact Type *	AWG	Contact Rating	Price Each 1	Price Each 10	Price Each 25
Han® C Modules										
617-09-14-003-3001	09 14 003 3001	E	3	Male	Crimp	16-10	40A/ 400/690V	5.38	4.84	4.57
617-09-14-003-3101	09 14 003 3101	D	3	Female	Crimp	16-10	40A/ 400/690V	5.38	4.84	4.57
Han® E Modules										
617-09-14-006-3001	09 14 006 3001	F	6	Male	Crimp	20-12	40A/ 400/690V	6.94	6.25	5.90
617-09-14-006-3101	09 14 006 3101	G	6	Female	Crimp	20-12	40A/ 400/690V	6.94	6.25	5.90
Han® DD Modules										
617-09-14-012-3001	09 14 012 3001	H	12	Male	Crimp	26-14	40A/ 400/690V	3.52	3.17	2.99
617-09-14-012-3101	09 14 012 3101	I	12	Female	Crimp	26-14	40A/ 400/690V	3.52	3.17	2.99

D-SUB MODULES

- Ideal for transmission of sensitive signals
- Suitable for industrial applications
- 15-Pins high density D-sub insert is suitable for adapter modules
- DIN VDE 0627, DIN VDE 0110, DIN EN 61 984

* Crimp contact sold separately

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	No. of Positions	Insert Type	Contact Type *	AWG	Contact Rating	Price Each		
								1	10	25
617-09-14-009-3001	09 14 009 3001	J	9	Male	Crimp	28-20	5A/ 50V	16.08	14.47	13.67
617-09-14-009-3101	09 14 009 3101	K	9	Female	Crimp	28-20	5A/ 50V	16.08	14.47	13.67

Individual Crimp Contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Contact Type	Wire Gauge	Price Each		
					1	100	500
617-09-67-000-7177	09 67 000 7177	--	Stamped Male	28-24 AWG	.18	.17	.16
617-09-67-000-7277	09 67 000 7277	--	Stamped Female	28-24 AWG	.18	.17	.16
617-09-67-000-8177	09 67 000 8177	--	Stamped Male	24-20 AWG	.18	.17	.16
617-09-67-000-8277	09 67 000 8277	--	Stamped Female	24-20 AWG	.18	.17	.16

PNEUMATIC MODULES

- 3 contacts for transmission of clean and dry compressed air
- Termination of 1.6 mm, 3 mm, 4 mm and 6 mm ID-tubes
- Tube sizes may be mixed in module
- Robust plastic contact
- RoHS Compliant per HARTING documentation

* Contacts with SHUT OFF also available

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each		
				1	10	25
617-09-14-003-4501	09 14 003 4501	L	3 Position Male/Female Pneumatic Module	3.64	3.28	3.09
Contacts - Without Shut Off						
617-09-14-000-6151	09 14 000 6151	M	Male - 1.6 mm Tube internal diameter	5.16	4.64	4.39
617-09-14-000-6152	09 14 000 6152	N	Male - 3.0 mm Tube internal diameter	4.92	4.43	4.18
617-09-14-000-6153	09 14 000 6153	O	Male - 4.0 mm Tube internal diameter	4.92	4.43	4.18
*617-09-14-000-6251	09 14 000 6251	P	Female - 1.6 mm Tube internal diameter	5.36	4.82	4.56
617-09-14-000-6252	09 14 000 6252	Q	Female - 3.0 mm Tube internal diameter	4.92	4.43	4.18
617-09-14-000-6253	09 14 000 6253	R	Female - 4.0 mm Tube internal diameter	4.92	4.43	4.18

USB MODULES

- According to USB 2.0 specification
- Simple and cost effective termination by plug-in patch cable
- Cable tie strain relief

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Description	Price Each		
				1	10	25
617-09-14-001-4701	09 14 001 4701	S	USB module for patch cable-female	35.58	32.02	30.24
617-09-14-001-4601	09 14 001 4601	S	USB module for patch cable-male	6.62	5.96	5.63
617-39-50-903-0050	39 50 903 0050	--	USB patch cable 2m	23.42	21.08	19.91

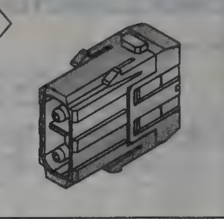
HINGED FRAMES

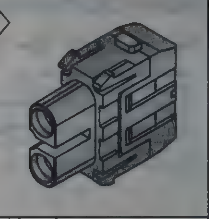
- Grounding system according to VDE
- Modules can only be assembled polarized to guarantee correct orientation
- Both male and female modules may be mounted in the same hinged frame
- Hinged frames are mountable in standard hoods/housings
- High mechanical reliability of modules in case of vibrations and impact stress
- DIN VDE 0627, DIN VDE 0110, DIN EN 61 984
- RoHS Compliant per HARTING documentation
- Rigid die cast zinc frame
- Alphabetical marking of module positions
- No tool necessary to remove modules

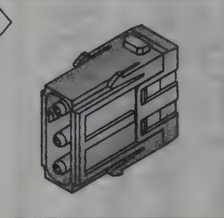
RoHS Compliant

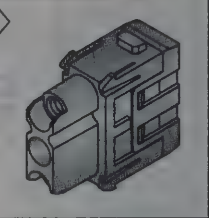
For quantities of 50 and up, call for quote.

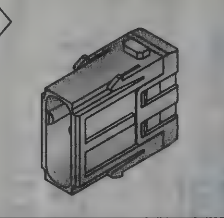
MOUSER STOCK NO.	HARTING Part No.	Fig.	Han® Hood & Housing Size	Frame Size	Frame Marking	Price Each		
						1	10	25
617-09-14-006-0303	09 14 006 0303	T	6B	Holds 2 Modules	A-B	20.14	18.13	17.12
617-09-14-006-0313	09 14 006 0313	T	6B	Holds 2 Modules	a-b	20.14	18.13	17.12
617-09-14-010-0303	09 14 010 0303	T	10B	Holds 3 Modules	A-C	19.56	17.60	16.63
617-09-14-010-0313	09 14 010 0313	T	10B	Holds 3 Modules	a-c	19.56	17.60	16.63
617-09-14-016-0303	09 14 016 0303	T	16B	Holds 4 Modules	A-D	19.68	17.71	16.73
617-09-14-016-0313	09 14 016 0313	T	16B	Holds 4 Modules	a-d	19.68	17.71	16.73
617-09-14-024-0303	09 14 024 0303	T	24B	Holds 6 Modules	A-F	20.56	18.50	17.48
617-09-14-024-0313	09 14 024 0313	T	24B	Holds 6 Modules	a-f	20.56	18.50	17.48
Accessory								
617-09-14-000-9960	09 14 000 9960	--	Locking Element for frames - 20 locks per piece			3.92	3.53	3.33

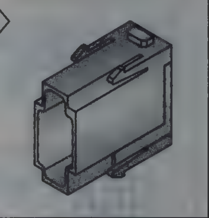
A


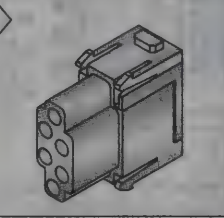
B


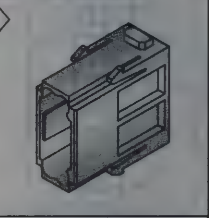
C


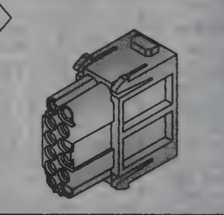
D


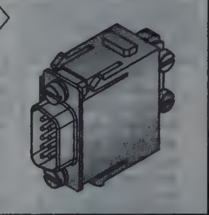
E


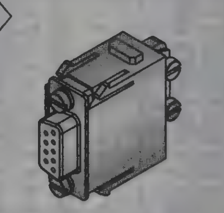
F


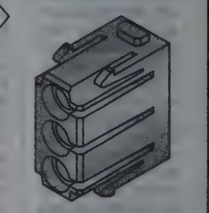
G


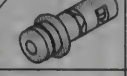
H


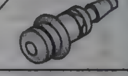
I


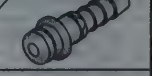
J


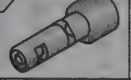
K


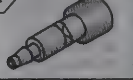
L


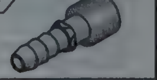
M


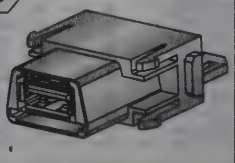
N


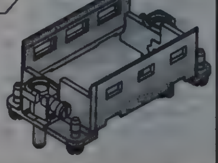
O


P


Q


R


S


T


HARTING Heavy Duty Han® Power Connectors

HEAVY DUTY HAN® POWER CONNECTORS

Han® Hoods and Housings For A and B Inserts

Full Compliance to NEMA Type 4

- RoHS Compliant per HARTING documentation

RoHS Compliant

Hoods/Housings Selection:	Select the hood/housing combination that will accommodate the same size male/female inserts selected from the previous pages.
Ingress Protection:	Size 3A Metal = IP 44 Size 3A Plastic = IP 65 All other Metal Sizes = IP 65
Hoods/Housings Color:	Gray (RAL 7037)
Mating Information:	Hoods mate with any Housings of the same size and lever type.
Hood Cable Glands:	Cable Glands are not included with hoods and must be ordered off the accessory page based on PG size and cable diameter.

All hoods are also available in metric threads. Please see your Mouser Sales Representative for more information.

Han® Cable Hoods

* Plastic

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Han® Size	Cable Entry	Lever Type	PG Size	Price Each		
							1	10	25
Size 3A - Standard Profile									
617-09-20-003-1640	09 20 003 1640	A	3A	Right Angle	Single	11	9.58	8.62	8.14
* 617-09-20-003-0620	09 20 003 0620	A	3A	Right Angle	Single	11	5.96	5.36	5.07
617-09-20-003-1440	09 20 003 1440	B	3A	Straight	Single	11	5.58	5.02	4.74
* 617-09-20-003-0420	09 20 003 0420	B	3A	Straight	Single	11	3.44	3.10	2.92
Size 10A - Standard Profile									
617-09-20-010-0540	09 20 010 0540	C	10A	Right Angle	Single	16	21.20	19.08	18.02
617-09-20-010-0541	09 20 010 0541	C	10A	Right Angle	Single	21	23.08	20.77	19.62
617-09-20-010-0440	09 20 010 0440	D	10A	Straight	Single	16	25.76	23.18	21.90
617-09-20-010-0441	09 20 010 0441	D	10A	Straight	Single	21	27.66	24.89	23.51
Size 10A - Low Profile									
617-09-20-010-1541	09 20 010 1541	C	10A	Right Angle	Single	16	15.10	13.59	12.84
617-09-20-010-1440	09 20 010 1440	D	10A	Straight	Single	13.5	16.36	14.72	13.91
Size 16A - Standard Profile									
617-09-20-016-0541	09 20 016 0541	C	16A	Right Angle	Single	21	21.10	18.99	17.94
617-09-20-016-0441	09 20 016 0441	D	16A	Straight	Single	21	24.46	22.01	20.79
Size 16A - Low Profile									
617-09-20-016-1541	09 20 016 1541	C	16A	Right Angle	Single	16	17.54	15.79	14.91
617-09-20-016-1441	09 20 016 1441	D	16A	Straight	Single	16	18.00	16.20	15.30
Size 6B - Standard Profile									
617-09-30-006-0542	09 30 006 0542	C	6B	Right Angle	Single	21	17.98	16.18	15.28
617-09-30-006-0543	09 30 006 0543	C	6B	Right Angle	Single	29	21.72	19.55	18.46
617-09-30-006-0442	09 30 006 0442	D	6B	Straight	Single	21	17.80	16.02	15.13
617-09-30-006-0443	09 30 006 0443	D	6B	Straight	Single	29	22.58	20.32	19.19
Size 6B - Low Profile									
617-09-30-006-1541	09 30 006 1541	C	6B	Right Angle	Single	16	13.48	12.13	11.46
617-09-30-006-1441	09 30 006 1441	D	6B	Straight	Single	16	13.86	12.47	11.78
Size 10B - Standard Profile									
617-09-30-010-0542	09 30 010 0542	C	10B	Right Angle	Single	21	26.76	24.08	22.75
617-09-30-010-0543	09 30 010 0543	C	10B	Right Angle	Single	29	33.16	29.84	28.19
617-09-30-010-0442	09 30 010 0442	D	10B	Straight	Single	21	36.62	32.96	31.13
617-09-30-010-0443	09 30 010 0443	D	10B	Straight	Single	29	35.48	31.93	30.16
617-09-30-010-0522	09 30 010 0522	E	10B	Right Angle	Double	21	22.38	20.14	19.02
617-09-30-010-0523	09 30 010 0523	E	10B	Right Angle	Double	29	25.58	23.02	21.74
617-09-30-010-0422	09 30 010 0422	F	10B	Straight	Double	21	22.96	20.66	19.52
617-09-30-010-0423	09 30 010 0423	F	10B	Straight	Double	29	27.92	25.13	23.73
Size 16B - Standard Profile									
617-09-30-016-0541	09 30 016 0541	C	16B	Right Angle	Single	29	31.06	27.95	26.40
617-09-30-016-0441	09 30 016 0441	D	16B	Straight	Single	29	35.72	32.15	30.36
617-09-30-016-0521	09 30 016 0521	E	16B	Right Angle	Double	29	25.84	23.26	21.96
617-09-30-016-0421	09 30 016 0421	F	16B	Straight	Double	29	26.14	23.53	22.22
Size 16B - Low Profile									
617-09-30-016-1540	09 30 016 1540	C	16B	Right Angle	Single	21	21.40	19.26	18.19
617-09-30-016-1440	09 30 016 1440	D	16B	Straight	Single	21	21.14	19.03	17.97
Size 24B - Standard Profile									
617-09-30-024-0541	09 30 024 0541	C	24B	Right Angle	Single	29	33.76	30.38	28.70
617-09-30-024-0440	09 30 024 0440	D	24B	Straight	Single	21	39.00	35.10	33.15
617-09-30-024-0441	09 30 024 0441	D	24B	Straight	Single	29	39.90	35.91	33.92
617-09-30-024-0521	09 30 024 0521	E	24B	Right Angle	Double	29	29.52	26.57	25.09
617-09-30-024-0420	09 30 024 0420	F	24B	Straight	Double	21	28.92	26.03	24.58
617-09-30-024-0421	09 30 024 0421	F	24B	Straight	Double	29	32.28	29.05	27.44
Size 24B - Low Profile									
617-09-30-024-1540	09 30 024 1540	C	24B	Right Angle	Single	21	21.30	19.17	18.11
617-09-30-024-1520	09 30 024 1520	E	24B	Right Angle	Double	21	19.16	17.24	16.29

Han® Panel Housings

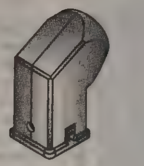
* Plastic

For quantities of 50 and up, call for quote.

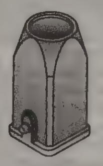
MOUSER STOCK NO.	HARTING Part No.	Fig.	Han® Size	Mount Type	Lever Type	Price Each		
						1	10	25
617-09-20-003-0801	09 20 003 0801	G	3A	Right Angle	Single	10.14	9.13	8.62
* 617-09-20-003-0820	09 20 003 0820	G	3A	Right Angle	Single	6.34	5.71	5.39
617-09-20-003-0301	09 20 003 0301	H	3A	Straight	Single	6.94	6.25	5.90
* 617-09-20-003-0320	09 20 003 0320	H	3A	Straight	Single	4.88	4.39	4.15
617-09-20-010-0301	09 20 010 0301	I	10A	Straight	Single	14.16	12.74	12.04
617-09-20-016-0301	09 20 016 0301	I	16A	Straight	Single	18.20	16.38	15.47
617-09-30-006-0301	09 30 006 0301	I	6B	Straight	Single	14.10	12.69	11.99
617-09-30-006-0302	09 30 006 0302	J	6B	Straight w/ Cover	Single	22.54	20.29	19.16
617-09-30-010-0305	09 30 010 0305	I	10B	Straight	Single	22.62	20.36	19.23
617-09-30-010-0303	09 30 010 0303	J	10B	Straight w/ Cover	Single	30.54	27.49	25.96
617-09-30-010-0301	09 30 010 0301	K	10B	Straight	Double	20.70	18.63	17.60
617-09-30-016-0307	09 30 016 0307	I	16B	Straight	Single	24.76	22.28	21.05
617-09-30-016-0306	09 30 016 0306	J	16B	Straight w/ Cover	Single	31.58	28.42	26.84
617-09-30-016-0301	09 30 016 0301	K	16B	Straight	Double	21.82	19.64	18.55
617-09-30-024-0307	09 30 024 0307	I	24B	Straight	Single	25.44	22.90	21.62
617-09-30-024-0304	09 30 024 0304	J	24B	Straight w/ Cover	Single	37.04	33.34	31.48
617-09-30-024-0301	09 30 024 0301	K	24B	Straight	Double	23.60	21.24	20.06

Cable Hoods

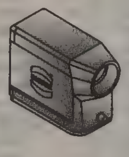
A



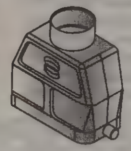
B



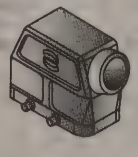
C



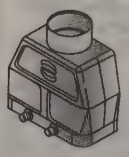
D



E

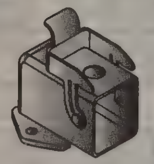


F

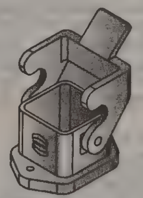


Panel Housings

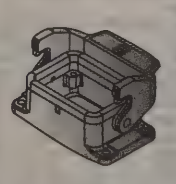
G



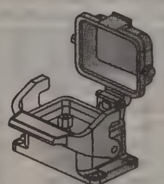
H



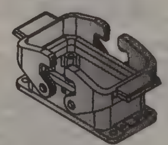
I



J



K



HEAVY DUTY HAN® POWER CONNECTORS

Crimp Contacts For Inserts

- RoHS Compliant per HARTING documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Contact Type	Wire Gauge		Price Each			
				mm²	AWG	1	10	25	50
16A Contacts For Han® Insert Series E, A, EE, Q, and Han E Modules									
617-09-33-000-6121	09 33 000 6121	A	Male	0.5	20	.38	.34	.32	.30
617-09-33-000-6105	09 33 000 6105	A	Male	1	18	.38	.34	.32	.30
617-09-33-000-6104	09 33 000 6104	A	Male	1.5	16	.38	.34	.32	.30
617-09-33-000-6102	09 33 000 6102	A	Male	2.5	14	.38	.34	.32	.30
617-09-33-000-6107	09 33 000 6107	A	Male	4	12	.38	.34	.32	.30
617-09-33-000-6220	09 33 000 6220	B	Female	0.5	20	.38	.34	.32	.30
617-09-33-000-6205	09 33 000 6205	B	Female	1	18	.38	.34	.32	.30
617-09-33-000-6204	09 33 000 6204	B	Female	1.5	16	.38	.34	.32	.30
617-09-33-000-6202	09 33 000 6202	B	Female	2.5	14	.38	.34	.32	.30
617-09-33-000-6207	09 33 000 6207	B	Female	4	12	.38	.34	.32	.30
40A Contacts for Han® C Modules									
617-09-32-000-6104	09 32 000 6104	A	Male	1.5	16	2.02	1.82	1.72	1.62
617-09-32-000-6105	09 32 000 6105	A	Male	2.5	14	2.02	1.82	1.72	1.62
617-09-32-000-6107	09 32 000 6107	A	Male	4	12	2.02	1.82	1.72	1.62
617-09-32-000-6108	09 32 000 6108	A	Male	6	10	2.02	1.82	1.72	1.62
617-09-32-000-6204	09 32 000 6204	B	Female	1.5	16	2.98	2.68	2.53	2.38
617-09-32-000-6205	09 32 000 6205	B	Female	2.5	14	2.98	2.68	2.53	2.38
617-09-32-000-6207	09 32 000 6207	B	Female	4	12	2.98	2.68	2.53	2.38
617-09-32-000-6208	09 32 000 6208	B	Female	6	10	2.98	2.68	2.53	2.38
10A Contacts For Han® Insert Series D, DD, and Han DD Modules									
617-09-15-000-6104	09 15 000 6104	C	Male	.14 - .37	26-22	.72	.65	.61	.58
617-09-15-000-6103	09 15 000 6103	C	Male	0.5	20	.72	.65	.61	.58
617-09-15-000-6102	09 15 000 6102	C	Male	1	18	.72	.65	.61	.58
617-09-15-000-6101	09 15 000 6101	C	Male	1.5	16	.72	.65	.61	.58
617-09-15-000-6106	09 15 000 6106	C	Male	2.5	14	.72	.65	.61	.58
617-09-15-000-6204	09 15 000 6204	D	Female	.14 - .37	26-22	.72	.65	.61	.58
617-09-15-000-6203	09 15 000 6203	D	Female	0.5	20	.72	.65	.61	.58
617-09-15-000-6202	09 15 000 6202	D	Female	1	18	.72	.65	.61	.58
617-09-15-000-6201	09 15 000 6201	D	Female	1.5	16	.72	.65	.61	.58
617-09-15-000-6206	09 15 000 6206	D	Female	2.5	14	.72	.65	.61	.58

Crimp Contact Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	HARTING Part No.	Fig.	Han® Insert Series	Description	Price Each
HARTING Crimp Tool					
617-09-99-000-0021	09 99 000 0021	E	D, E	Standard Crimp Tool for 16A and 10A Contacts	191.91
617-09-99-000-0110	09 99 000 0110	F	C, D, E	Crimp Tool for 26-12 AWG Contacts	648.75
Buchanan Crimp Tool					
617-09-99-000-0001	09 99 000 0001	G	All	MIL Type Crimp Tool for 16A and 10A Contacts	469.94
Depth Adjustment Gauge for Buchanan Crimp Tool					
617-09-99-000-0007	09 99 000 0007	H	E / D	Buchanan Depth Gauge for 20-18/ 14 AWG	40.64
617-09-99-000-0008	09 99 000 0008	H	E / D	Buchanan Depth Gauge for 16-14 / 16 AWG	40.64
617-09-99-000-0203	09 99 000 0203	H	D	Buchanan Depth Gauge for 26-24 AWG	45.17
Contact Locators for Buchanan Crimp Tool					
617-09-99-000-0310	09 99 000 0310	I	E	Buchanan Crimp Tool Locator for 16A Contacts	6.82
617-09-99-000-0311	09 99 000 0311	I	D	Buchanan Crimp Tool Locator for 10A Contacts	6.82
Crimp Contact Removal Tools					
617-09-99-000-0012	09 99 000 0012	J	DD, D	Removal Tool for 10A Contacts	65.03
617-09-99-000-0319	09 99 000 0319	K	EE	Removal Tool for 16A Contacts	26.04

Axial Screw Tool

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Harting Part No.	Fig.	Description	Price Each
Han® Modular Hexagonal Screw Driver				
617-09-99-000-0313	09 99 000 0313	L	Hexagonal Screw Driver SW 4	17.52

Metal IP68/NEMA 4X PG Cable Glands For Hoods

- RoHS Compliant per HARTING documentation

RoHS Compliant

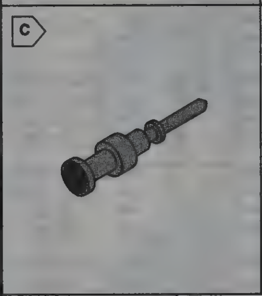
For quantities of 100 and up, call for quote.

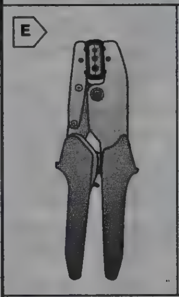
MOUSER STOCK NO.	Harting Part No.	Fig.	PG Size	Wrench Size	Cable Dia. (mm)	Price Each			
						1	10	25	50
617-09-00-000-5080	09 00 000 5080	M	11	20	5 - 8	10.06	9.05	8.55	8.05
617-09-00-000-5082	09 00 000 5082	M	11	20	7 - 10.5	9.80	8.82	8.33	7.84
617-09-00-000-5086	09 00 000 5086	M	16	24	6 - 9.5	14.46	13.01	12.29	11.57
617-09-00-000-5088	09 00 000 5088	M	16	24	9 - 13	13.86	12.47	11.78	11.09
617-09-00-000-5089	09 00 000 5089	M	16	24	11.5 - 15.5	13.62	12.26	11.58	10.90
617-09-00-000-5090	09 00 000 5090	M	21	30	7 - 10.5	27.52	24.77	23.39	22.02
617-09-00-000-5091	09 00 000 5091	M	21	30	9 - 13	21.78	19.60	18.51	17.42
617-09-00-000-5092	09 00 000 5092	M	21	30	11.5 - 15.5	20.28	18.25	17.24	16.22
617-09-00-000-5093	09 00 000 5093	M	21	30	14 - 18	21.60	19.44	18.36	17.28
617-09-00-000-5095	09 00 000 5095	M	29	40	17 - 21	44.06	39.65	37.45	35.25
617-09-00-000-5096	09 00 000 5096	M	29	40	20 - 25	53.00	47.70	45.05	42.40
617-09-00-000-5097	09 00 000 5097	M	29	40	24 - 28	38.64	34.78	32.84	30.91

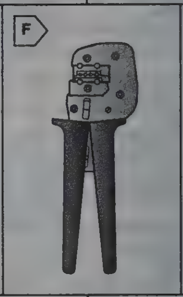
PG To NPT Adapters

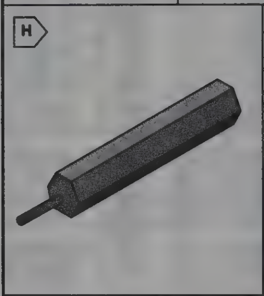
For quantities of 100 and up, call for quote.

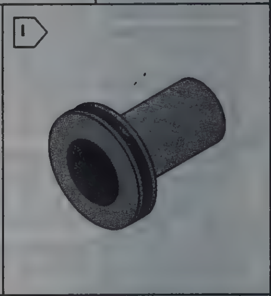
MOUSER STOCK NO.	Harting Part No.	Fig.	PG Size	Female NPT Thread	Price Each			
					1	10	25	50
617-73-00-000-5310	73 00 000 5310	N	11	1/2"	7.74	6.97	6.58	6.19
617-73-00-000-5312	73 00 000 5312	N	16	1/2"	7.76	6.98	6.60	6.21
617-73-00-000-5313	73 00 000 5313	N	21	1/2"	11.08	9.97	9.42	8.86
617-73-00-000-5314	73 00 000 5314	N	21	3/4"	10.28	9.25	8.74	8.22
617-73-00-000-5315	73 00 000 5315	N	29	1"	19.02	17.12	16.17	15.22

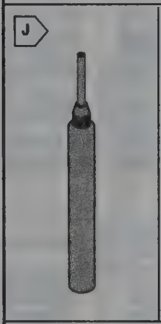


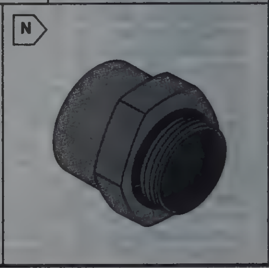










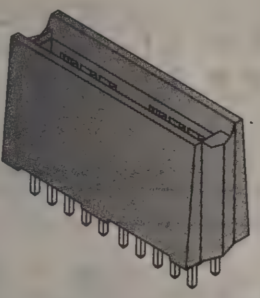


MOLEX Power Edge™ Connectors

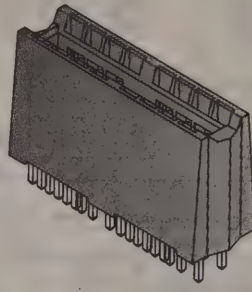
molex
one company › a world of innovation

RoHS Compliant **This page of product is compliant.**

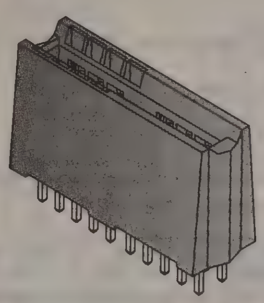
A



B



C



POWER EDGE™ POWER CONNECTORS

High current connector for direct mating to card edge or bus bar applications

Power Edge is a high current connector (12.9mm or 2.50mm Pitch) for direct mating to a customer's 1.58mm (.062") thick, double-sided card edge PCB or bus bar tab. Power Edge connectors can be combined (stacked end-to-end) to mate with multiple bus bar tabs or card edges up to 8" for power distribution applications.

With Power Contacts

Features:
- Connector assemblies available in two, three and four segments (2 contacts per segment)
- End-to-end stackable
- Vertical (Top Entry)
- Isolated segments on opposing contacts
- Rated for current interruption

Specifications:
- Pitch: 12.9mm
- Current: 40A per Contact
- Voltage: 250V
- Color: Black
- Flammability: UL 94V-0
- Contact: Copper (Cu) Alloy
- Operating Temperature: -40°C to +105°C

Applications:
- Telecommunications Equipment
- High and Mid-Range Computing Equipment
- Uninterruptible Power Supplies (UPS)
- Cellular Communications Equipment
- DC-DC Converters

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Segments	Total Contacts	Segment Sequence	Maximum PCB Thickness	Termination	Price Each			
								1	10	25	50
538-45714-0001	45714-0001	A	2	4	---	2.36mm (.093")	Press-Fit	6.45	5.81	4.73	4.30
538-45714-0002	45714-0002	A	3	6	---	2.36mm (.093")	Press-Fit	9.69	8.72	7.11	6.46
538-45714-0003	45714-0003	A	4	8	---	2.36mm (.093")	Press-Fit	12.90	11.61	9.46	8.60
538-45719-0007	45719-0007	A	2	4	---	1.57mm (.062")	Through Hole	5.29	4.84	4.73	4.30
538-45719-0004	45719-0004	A	2	4	---	2.36mm (.093")	Through Hole	6.45	5.81	4.73	4.30
538-45719-0001	45719-0001	A	2	4	---	3.18mm (.125")	Through Hole	6.45	5.81	4.73	4.30
538-45719-0008	45719-0008	A	3	6	---	1.57mm (.062")	Through Hole	7.94	7.26	7.11	6.46
538-45719-0005	45719-0005	A	3	6	---	2.36mm (.093")	Through Hole	9.69	8.72	7.11	6.46
538-45719-0002	45719-0002	A	3	6	---	3.18mm (.125")	Through Hole	9.69	8.72	7.11	6.46
538-45719-0009	45719-0009	A	4	8	---	1.57mm (.062")	Through Hole	10.58	9.68	9.40	8.55
538-45719-0006	45719-0006	A	4	8	---	2.36mm (.093")	Through Hole	12.90	11.61	9.46	8.60
538-45719-0003	45719-0003	A	4	8	---	3.18mm (.125")	Through Hole	12.90	11.61	9.46	8.60

With Signal Contacts

Features:
- Connector assemblies with 2 segments of 8 signal contact per segment for mating with low speed traces on a PCB card edge.
- End-to-end stackable
- Rated for current interruption to match hot plug requirements
- Opposing contact on each segment are isolated to allow independent mating with signal traces on a double-sided card edge
- Foot print compatible and end to end stackable with competing connectors

Specifications:
- Pitch: 2.50mm
- Current: 3.0A per Contact
- Voltage: 250V
- Color: Black
- Flammability: UL 94V-0
- Contact: Copper (Cu) Alloy
- Operating Temperature: -40°C to +105°C

Applications:
- Telecommunications Equipment
- High and Mid-Range Computing Equipment
- Uninterruptible Power Supplies (UPS)
- Cellular Communications Equipment
- DC-DC Converters

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Segments	Total Contacts	Segment Sequence	Maximum PCB Thickness	Termination	Price Each			
								1	10	25	50
538-45845-0001	45845-0001	B	2	16	---	2.36mm (.093")	Press-Fit	9.57	8.61	7.75	7.64
538-45845-0003	45845-0003	B	4	36	---	2.36mm (.093")	Press-Fit	16.78	16.27	15.98	15.29

With Mixed Power / Signal Contacts

Features:
- Connector assemblies with mixed power and signal contacts to match power and slow speed sign contacts on a double-sided PCB card edge
- End-to-end stackable
- Rated for current interruption to match hot plug requirements
- Opposing contact on each segment are isolated to allow independent mating with signal traces on a double-sided card edge
- Foot print compatible and end to end stackable with competing connectors

Specifications:
- Pitch: 12.9mm
- Current: 3.0A per Contact
- Voltage: 250V
- Color: Black
- Flammability: UL 94V-0
- Contact: Copper (Cu) Alloy
- Operating Temperature: -40°C to +105°C

Applications:
- Telecommunications Equipment
- High and Mid-Range Computing Equipment
- Uninterruptible Power Supplies (UPS)
- Cellular Communications Equipment
- DC-DC Converters

RoHS Compliant

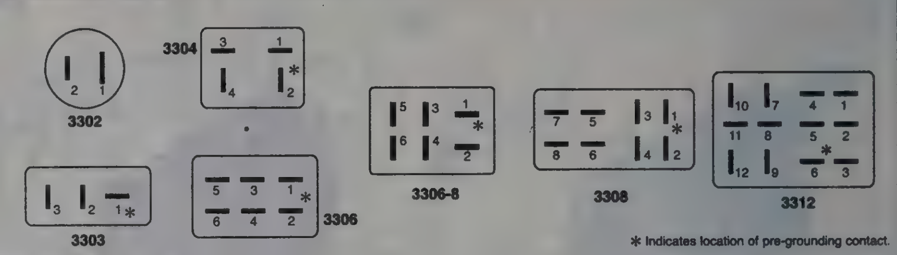
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Segments	Total Contacts	Segment Sequence	Maximum PCB Thickness	Termination	Price Each			
								1	10	25	50
538-45912-0001	45912-0001	C	2	2P,8S	P,S	2.36mm (.093")	Press-Fit	7.74	6.96	6.27	6.19
538-45912-0008	45912-0008	C	3	4P, 8S	P, S, P	2.36mm (.093")	Press-Fit	9.58	9.12	8.69	8.52
538-45912-0038	45912-0038	C	4	2P, 24S	S, P, P, P	2.36mm (.093")	Press-Fit	11.97	11.38	11.09	10.88
538-45911-0001	45911-0001	C	2	2P, 8S	P, S	3.18mm (.125")	Through Hole	7.74	6.96	6.55	6.24
538-45911-0012	45911-0012	C	3	4P, 8S	S, P, P	3.18mm (.125")	Through Hole	9.88	9.41	8.96	8.54
538-45911-0038	45911-0038	C	4	6P, 8S	S, P, P, P	3.18mm (.125")	Through Hole	12.60	11.99	11.43	10.89

MOLEX Power Connectors

SERIES 3300 CONNECTORS

Series 3300 Connectors are interchangeable with Series 300 types and are designed for panel and cable mounting.



* Indicates location of pre-grounding contact.

Specifications:
- Current Rating (Individual Contact): 10 Amps
- Voltage Rating: 250 volts
- Materials:
  - Plug: Brass, tin plated
  - Socket: Phosphor bronze tin plated
  - Pre-Grounding Contact: Heavy duty plated brass
  - Base Insulating: High-grade phenolic, black
  - Backshell: Thermoplastic
  - Angle Bracket Finish: Steel, bright nickel electroplate
- Cable Clamp Top Includes: cable clamp, screws, latch and keeper

Plugs-Cable Clamp Top

- Cable Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-38331-5602	38331-5602	P-3302-CCT	A	2	2.60	2.27	2.18	1.97
538-38331-5603	38331-5603	P-3303-CCT	A	3	2.52	1.98	1.76	1.58
538-38331-5604	38331-5604	P-3304-CCT	A	4	2.58	2.32	2.13	2.03
538-38331-5606	38331-5606	P-3306-CCT	A	6	3.07	2.60	2.38	2.27
538-38336-8156	38336-8156	P-3306-8-CCT	A	6	4.08	3.68	3.47	3.26
538-38331-5608	38331-5608	P-3308-CCT	A	8	3.81	3.25	3.07	2.89
538-38331-5612	38331-5612	P-3312-CCT	A	12	5.67	5.11	4.82	4.54

Sockets-Cable Clamp Top

- Cable Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-38331-8002	38331-8002	S-3302-CCT	B	2	3.71	3.34	3.15	2.97
538-38331-8003	38331-8003	S-3303-CCT	B	3	3.74	3.36	3.17	3.00
538-38331-8004	38331-8004	S-3304-CCT	B	4	3.44	3.36	3.10	3.00
538-38331-8006	38331-8006	S-3306-CCT	B	6	4.45	4.01	3.79	3.56
538-38336-8180	38336-8180	S-3306-8-CCT	B	6	4.50	3.97	3.74	3.45
538-38331-8008	38331-8008	S-3308-CCT	B	8	4.11	3.69	3.47	3.34
538-38331-8012	38331-8012	S-3312-CCT	B	12	5.33	4.98	4.79	4.56

Plugs with Angle Brackets

- Panel Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-38330-0102	38330-0102	P-3302-AB	C	2	1.25	1.15	1.05	.97
538-38330-0103	38330-0103	P-3303-AB	C	3	1.80	1.62	1.53	1.45
538-38330-0104	38330-0104	P-3304-AB	C	4	1.75	1.58	1.42	1.28
538-38330-0106	38330-0106	P-3306-AB	C	6	2.30	2.06	1.95	1.84
538-38336-8001	38336-8001	P-3306-8-AB	C	6	1.80	1.61	1.52	1.43
538-38330-0108	38330-0108	P-3308-AB	C	8	2.71	2.44	2.30	2.17
538-38330-0112	38330-0112	P-3312-AB	C	12	3.68	3.32	3.13	2.95

Sockets with Angle Brackets

- Panel Mount

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-38330-0502	38330-0502	S-3302-AB	D	2	4.14	3.73	3.53	3.32
538-38330-0503	38330-0503	S-3303-AB	D	3	1.61	1.45	1.29	1.21
538-38330-0504	38330-0504	S-3304-AB	D	4	2.38	2.15	2.03	1.90
538-38330-0506	38330-0506	S-3306-AB	D	6	2.69	2.46	2.24	2.13
538-38336-8005	38336-8005	S-3306-8-AB	D	6	2.80	2.52	2.38	2.25
538-38330-0508	38330-0508	S-3308-AB	D	8	3.56	3.21	3.03	2.85
538-38330-0512	38330-0512	S-3312-AB	D	12	4.74	4.27	4.04	3.80

SERIES 5400 CONNECTORS

Series 5400 Connectors are interchangeable with Series 2400 or 400 type connectors. They are designed for use in panel and cable mounting applications. Includes steel bright nickel electroplated cable clamp and screws.

Specifications:
- Current Rating (Individual Contact): 15 Amps
- Voltage Rating: 250 volts (UL rated at 250 V, AC or DC max, between adjacent contacts)
- Pre-Grounding Contact Rating: Up to 30 Amps at rated voltages
- UL: File No. E34763
- CSA: File No. 22156
- Materials:
  - Plug: Brass, tin plated
  - Socket: Phosphor bronze, tin plated
  - Pre-Grounding Contact: Heavy duty plated brass
  - Base Insulating: High-grade phenolic, black
  - Backshell: Thermoplastic

Plugs-Cable Clamp Top

For quantities of 200 and up, call for quote.

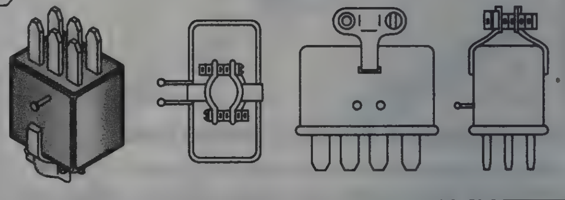
MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-38541-5404	38541-5404	P-5404-CCT	E	4	7.40	6.67	6.30	5.93
538-38541-5406	38541-5406	P-5406-CCT	E	6	8.32	7.49	6.89	6.34
538-38541-5408	38541-5408	P-5408-CCT	E	8	9.70	8.73	8.24	7.75
538-38541-5412	38541-5412	P-5412-CCT	E	12	10.30	9.27	8.76	8.25

Sockets-Cable Clamp Top

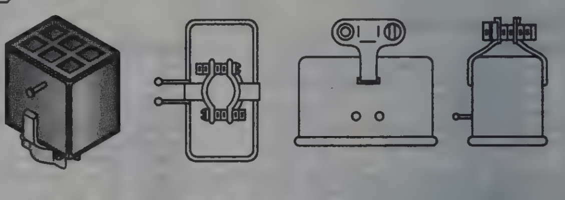
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-38541-8404	38541-8404	S-5404-CCT	F	4	7.79	7.01	6.23	5.84
538-38541-8406	38541-8406	S-5406-CCT	F	6	9.00	8.33	7.88	7.45
538-38541-8408	38541-8408	S-5408-CCT	F	8	7.46	6.67	6.06	5.49
538-38541-8412	38541-8412	S-5412-CCT	F	12	12.37	11.14	10.52	9.90

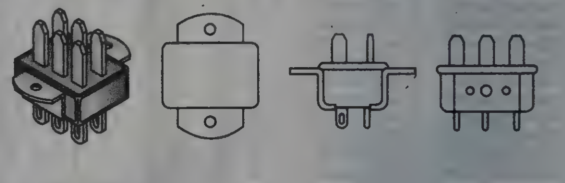
A



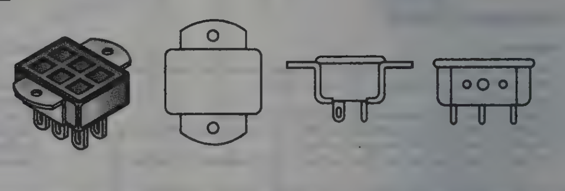
B



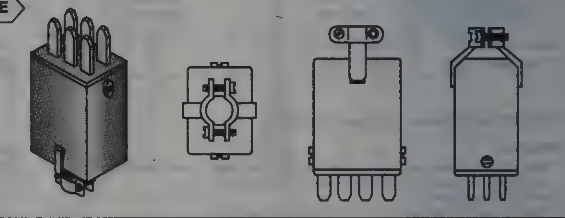
C



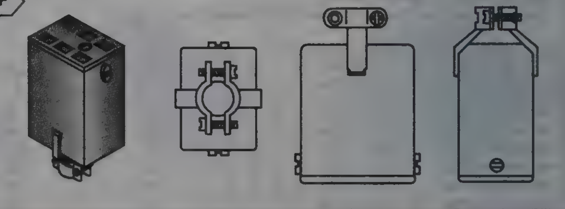
D



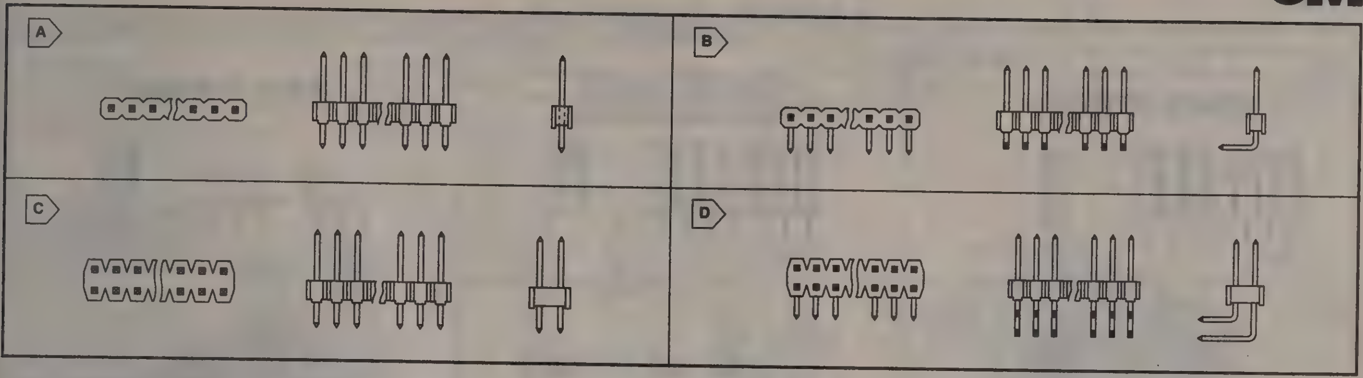
E



F



3M™ .100" Pin Strip Headers



2300 SERIES .100" PIN STRIP HEADERS

Specifications:

- Insulation material: Glass filled thermoplastic, Black, UL94V-0
- Contact material: Copper alloy
- Tail plating: 100μ" Tin
- Current rating: 3A
- Withstanding voltage: 1000Vrms
- Operating Temperature: -55°C to +105°C
- Series 2300

Mates with socket series 929 and CHG

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Pin Mating Length	No. of Pos.	Contact Plating	Price Each		
						1	50	100
Straight Solder Tail, Single Row								
517-2301-6111TG	A	2301-6111TG	.230	1	10μ" Gold	.11	.10	.09
517-2312-6111TG	A	2312-6111TG	.230	12	10μ" Gold	.29	.27	.25
517-6111TG	A	2340-6111TG	.230	40	10μ "Gold	.81	.74	.70
517-6211TG	A	2340-6211TG	.318	40	10μ" Gold	.81	.74	.70
Right Angle Solder Tail, Single Row								
517-5111TG	B	2340-5111TG	.230	40	10μ" Gold	1.06	.96	.91
Straight Solder Tail, Double Row								
517-2308-6121TG	C	2308-6121TG	.230	8	10μ" Gold	.21	.20	.19
517-2316-6121TG	C	2316-6121TG	.230	16	10μ" Gold	.39	.35	.33
517-2320-6121TG	C	2320-6121TG	.230	20	10μ" Gold	.50	.45	.43
517-2330-6121TG	C	2330-6121TG	.230	30	10μ" Gold	.75	.68	.65
517-2350-6121TG	C	2350-6121TG	.230	50	10μ" Gold	1.25	1.13	1.08
517-6121TG	C	2380-6121TG	.230	80	10μ" Gold	1.65	1.50	1.43
517-6221TG	C	2380-6221TG	.318	80	10μ" Gold	1.80	1.64	1.56
Right Angle Solder Tail, Double Row								
517-5121TG	D	2380-5121TG	.230	80	10μ" Gold	2.27	2.18	2.07

929 SERIES .100" PIN STRIP HEADERS

Specifications:

- Insulation material: Glass filled polyester (PBT), Black, UL94V-0
- Contact material: Copper alloy
- Tail plating: 100μ" Tin
- Current rating: 2.5A
- Withstanding voltage: 1500Vrms
- Operating Temperature: -40°C to +105°C
- Series 929

Mates with socket series 929 and CHG

.093" Mating Length Contact Pins

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each		
						1	50	100
Straight Solder Tail, Single Row								
517-800-01-36	A	929800-01-36	.110	36	Tin	1.47	1.34	1.27

.235" Mating Length Contact Pins

- Contact plating: 10μ" gold or 100μ" tin

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each		
						1	50	100
Straight Solder Tail, Single Row								
517-647-01-02	A	929647-01-02-	.110	2	Gold	.25	.24	.23
517-647-01-03	A	929647-01-03-	.110	3	Gold	.25	.23	.22
517-647-01-18	A	929647-01-18-	.110	18	Gold	1.54	1.40	1.33
517-647-07-18	A	929647-07-18-	.910	18	Gold	2.79	2.54	2.41
517-647-01-36	A	929647-01-36-	.110	36	Gold	2.44	2.22	2.11
517-647-02-36	A	929647-02-36-	.210	36	Gold	2.55	2.32	2.20
517-647-03-36	A	929647-03-36-	.410	36	Gold	3.17	2.88	2.74
517-647-04-36	A	929647-04-36-	.510	36	Gold	4.07	3.70	3.52
517-647-05-36	A	929647-05-36-	.610	36	Gold	3.76	3.42	3.25
517-647-07-36	A	929647-07-36-	.910	36	Gold	4.38	3.98	3.78
517-647-09-36	A	929647-09-36-	.145	36	Gold	2.35	2.14	2.03
517-834-01-03	A	929834-01-03	.110	3	Tin	.21	.20	.19
517-334-01-06	A	929834-01-06	.110	6	Tin	.25	.23	.22
517-834-01-36	A	929834-01-36	.110	36	Tin	1.17	1.06	1.01
517-834-02-36	A	929834-02-36	.210	36	Tin	1.39	1.26	1.20
517-834-03-36	A	929834-03-36	.410	36	Tin	1.67	1.52	1.44
517-834-04-36	A	929834-04-36	.510	36	Tin	1.85	1.68	1.60
517-834-05-36	A	929834-05-36	.610	36	Tin	1.87	1.70	1.62
517-834-07-36	A	929834-07-36	.910	36	Tin	2.13	1.94	1.84

929 SERIES .100" PIN STRIP HEADERS (CONT.)

.235" Mating Length Contact Pins

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each		
						1	50	100
Straight Solder Tail, Double Row								
517-665-01-36	C	929665-01-36-	.110	72	Gold	2.67	2.07	1.91
517-665-02-36	C	929665-02-36-	.210	72	Gold	4.14	3.76	3.57
517-665-03-36	C	929665-03-36-	.410	72	Gold	5.10	4.64	4.41
517-665-04-36	C	929665-04-36-	.510	72	Gold	6.56	5.96	5.66
517-665-05-36	C	929665-05-36-	.610	72	Gold	7.06	6.42	6.10
517-665-08-36	C	929665-08-36-	.310	72	Gold	4.47	4.06	3.86
517-665-09-36	C	929665-09-36-	.145	72	Gold	3.81	3.46	3.29
517-836-01-02	C	929836-01-02	.110	4	Tin	.17	.16	.15
517-836-01-04	C	929836-01-04	.110	8	Tin	.25	.23	.22
517-836-01-05	C	929836-01-05	.110	10	Tin	.32	.29	.27
517-836-01-10	C	929836-01-10	.110	20	Tin	.64	.58	.55
517-836-01-36	C	929836-01-36	.110	72	Tin	1.87	1.70	1.62
517-836-02-36	C	929836-02-36	.210	72	Tin	2.27	2.06	1.96
517-836-03-36	C	929836-03-36	.410	72	Tin	2.71	2.46	2.34
517-836-04-36	C	929836-04-36	.510	72	Tin	2.99	2.72	2.58
517-836-05-36	C	929836-05-36	.610	72	Tin	2.84	2.58	2.45
517-836-08-36	C	929836-08-36	.310	72	Tin	2.93	2.66	2.53
517-836-09-36	C	929836-09-36	.145	72	Tin	2.62	2.38	2.26
Right Angle Solder Tail, Single Row								
517-835-01-05	D	929835-01-05	.110	10	Tin	.25	.23	.22
517-835-01-16	D	929835-01-16	.110	32	Tin	.84	.76	.72
Right Angle Solder Tail, Double Row								
517-667-01-36	D	929667-01-36-	.110	72	Gold	4.20	3.82	3.63
517-667-02-36	D	929667-02-36-	.405	72	Gold	6.56	5.96	5.66
517-667-04-36	D	929667-04-36-	.145	72	Gold	5.46	4.96	4.71
517-838-01-36	D	929838-01-36	.110	72	Tin	2.38	2.16	2.05
517-838-02-36	D	929838-02-36	.405	72	Tin	2.93	2.66	2.53
517-838-04-36	D	929838-04-36	.145	72	Tin	2.90	2.64	2.51

.295" Mating Length Contact Pins

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each		
						1	50	100
Straight Solder Tail, Single Row								
517-400-01-01	A	929400-01-01	.135	1	Tin	.14	.13	.12
517-400-01-03	A	929400-01-03	.135	3	Tin	.18	.17	.16
517-400-01-08	A	929400-01-08	.135	8	Tin	.36	.33	.31
517-400-01-10	A	929400-01-10	.135	10	Tin	.46	.44	.42
517-400-01-36	A	929400-01-36	.135	36	Tin	1.39	1.26	1.20
517-450-01-36	A	929450-01-36-	.135	36	Gold	2.46	2.24	2.13
Right Angle Solder Tail, Single Row								
517-550-01-08	B	929550-01-08-	.135	8	Gold	.82	.74	.71
517-550-01-36	B	929550-01-36-	.135	36	Gold	3.06	2.78	2.64
517-500-01-36	B	929500-01-36	.135	36	Tin	1.54	1.40	1.33

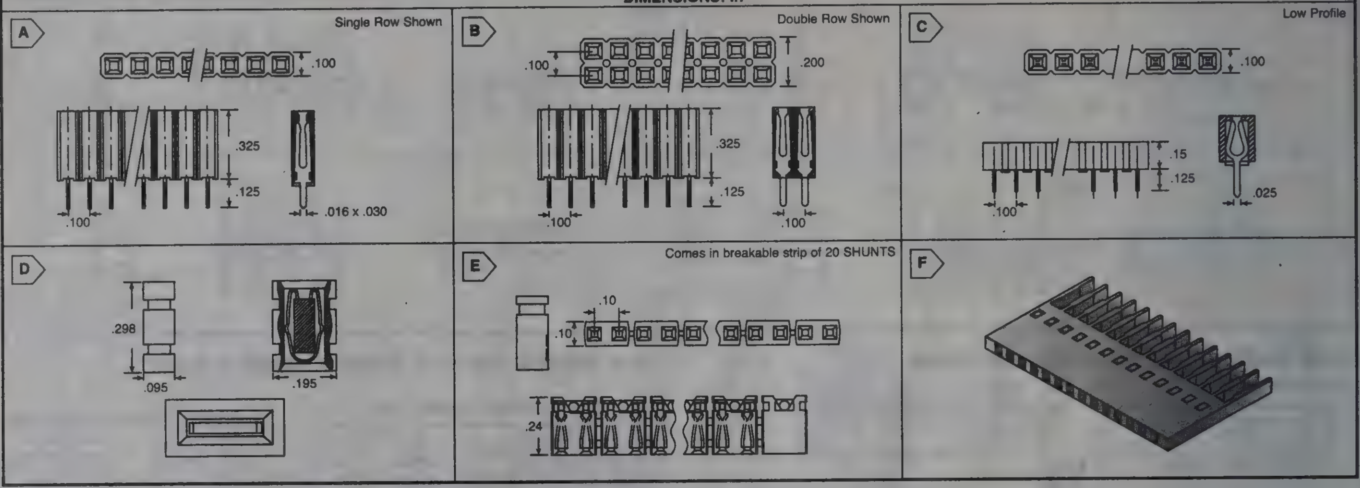
.318" Mating Length Contact Pins

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	3M Part No.	Tail Length	No. of Pos.	Contact Plating	Price Each		
						1	50	100
Straight Solder Tail, Single Row								
517-705-09-36	A	929705-09-36-	.145	36	Gold	2.97	2.70	2.57
517-705-11-36	A	929705-11-36-	.125	36	Gold	2.43	2.32	2.05
517-700-01-36	A	929700-01-36	.110	36	Tin	1.47	1.34	1.27
517-700-06-36	A	929700-06-36	.710	36	Tin	2.05	1.86	1.77
517-700-11-36	A	929700-11-36	.125	36	Tin	1.76	1.60	1.52
Straight Solder Tail, Double Row								
517-715-01-36	C	929715-01-36-	.110	72	Gold	4.14	3.76	3.57
517-710-01-36	C	929710-01-36	.110	72	Tin	2.38	2.16	2.05
517-710-03-36	C	929710-03-36	.410	72	Tin	3.39	3.08	2.93

3M™ .100" Pin Strip Sockets and Shunts

DIMENSIONS: In



929 SERIES .100" PC BOARD MOUNT SOCKETS

Sockets mate with .100 pin header for board stacking applications.

Specifications:

- Tuning fork contact design
- Solder standoffs facilitate production wave soldering
- Insulation material: glass-filled polyester (PBT) black UL94V-0
- Contact plating: 10μ" gold or 100μ" tin
- Contact material: Copper alloy
- Current rating: 1A
- Tail length: .125"
- Withstanding voltage: 1500Vrms
- Temperature rating: -40°C to +105°C
- Series 929
  Mates with Header Series 2300 and 929.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Cont. per Row	Price Each			
					1	50	100	500
Single Row Gold Plated								
517-850-01-07	929850-01-07-30	A	7	7	1.29	1.18	1.12	1.05
517-850-01-08	929850-01-08-30	A	8	8	1.37	1.25	1.19	1.12
517-850-01-10	929850-01-10-10	A	10	10	1.48	1.35	1.28	1.21
517-850-01-12	929850-01-12-10	A	12	12	1.56	1.43	1.35	1.28
517-850-01-13	929850-01-13-30	A	13	13	1.79	1.63	1.29	1.24
517-850-01-14	929850-01-14-10	A	14	14	1.77	1.62	1.53	1.45
517-850-01-19	929850-01-19-30	A	19	19	2.43	2.22	2.11	1.99
517-850-01-31	929850-01-31-10	A	31	31	2.95	2.89	2.38	1.88
517-850-01-36	929850-01-36-10	A	36	36	2.41	2.20	2.09	1.97
Single Row Tin Plated								
517-974-01-02	929974-01-02	A	2	2	.92	.84	.79	.75
517-974-01-03	929974-01-03	A	3	3	.96	.87	.83	.78
517-974-01-04	929974-01-04	A	4	4	1.00	.91	.86	.82
517-974-01-10	929974-01-10	A	10	10	1.29	1.18	1.12	1.05
517-974-01-12	929974-01-12	A	12	12	1.33	1.22	1.15	1.09
517-974-01-14	929974-01-14	A	14	14	1.50	1.37	1.30	1.22
517-974-01-16	929974-01-16	A	16	16	1.54	1.41	1.33	1.26
517-974-01-17	929974-01-17	A	17	17	1.56	1.43	1.34	1.25
517-974-01-21	929974-01-21	A	21	21	2.02	1.84	1.75	1.65
517-974-01-36	929974-01-36	A	36	36	1.87	1.71	1.62	1.53
Double Row Gold Plated								
517-852-01-06	929852-01-06-10	B	12	6	1.46	1.33	1.26	1.19
517-852-01-07	929852-01-07-10	B	14	7	1.54	1.41	1.33	1.26
517-852-01-09	929852-01-09-10	B	18	9	1.77	1.62	1.53	1.45
517-852-01-10	929852-01-10-10	B	20	10	1.85	1.69	1.60	1.51
517-852-01-12	929852-01-12-10	B	24	12	2.08	1.90	1.80	1.70
517-852-01-13	929852-01-13-30	B	26	13	2.31	2.11	2.00	1.89
517-852-01-14	929852-01-14-10	B	28	14	2.25	2.05	1.94	1.84
517-852-01-20	929852-01-20-30	B	40	20	3.08	2.81	2.66	2.52
517-852-01-25	929852-01-25-10	B	50	25	3.74	3.42	3.24	3.06
517-852-01-36	929852-01-36-10	B	72	36	4.62	4.22	4.00	3.77
Double Row Tin Plated								
517-975-01-10	929975-01-10	B	20	10	1.48	1.35	1.28	1.21
517-975-01-17	929975-01-17	B	34	17	2.00	1.82	1.73	1.63
517-975-01-18	929975-01-18	B	36	18	3.11	2.85	2.35	1.85
517-975-01-36	929975-01-36	B	72	36	3.24	2.96	2.81	2.65
Single Row Low Profile Gold Plated								
517-870-01-03	929870-01-03-10	C	3	3	1.04	.95	.90	.85
517-870-01-04	929870-01-04-10	C	4	4	1.10	1.01	.95	.90
517-870-01-08	929870-01-08-10	C	8	8	1.39	1.27	1.21	1.14
517-870-01-16	929870-01-16-10	C	16	16	1.96	1.79	1.69	1.60
517-870-01-19	929870-01-19-10	C	19	19	2.56	2.34	2.21	2.09
Single Row Low Profile Tin Plated								
517-984-01-05	929984-01-05	C	5	5	1.10	1.01	.95	.90
517-984-01-10	929984-01-10	C	10	10	1.41	1.29	1.22	1.16

929 SERIES .100" MIDGIE SHUNTS

Specifications:

- Unique C-Spring contact insures balanced forces
- Insulation material: glass-filled polyester (PBT) black UL94V-0
- Contact plating: Black: Unplated
  Blue: 10μ" Gold in wipe area
  Gray: 30μ" Gold in wipe area
- Stackable end-to-end and side-to-side
- Current rating: 1A
- Contact Material: Copper alloy
- Withstanding voltage: 1500Vrms
- Temperature rating: -55°C to +100°C

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Color	Price Each			
				1	100	500	1000
517-950-00	929950-00	D	Black	.23	.21	.20	.19
517-955-06	929955-06	D	Blue/Gold	.27	.25	.23	.22
517-957-08	929957-08	D	Gray/Gold	.31	.29	.27	.26

929 SERIES .100" SHUNTS

Specifications:

- Double wipe contact is reliable and failure free
- Insulation material: glass-filled polyester (PBT), UL94V-0
- Current rating: 2A
- Contact plating: Red: 75μ" Tin
  Blue: 10μ" Gold in wipe area
  Gray: 30μ" Gold in wipe area
- Open top contact allows easy probing and testing
- Contact Material: Copper alloy
- Withstanding voltage: 1500Vrms
- Temperature rating: -55°C to +100°C
- Loop hole on top of the contact provides easy removal for testing
- Pricing is per shunt

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Color	Price Each			
				1	100	500	1000
517-951-00	929951-00	E	Red	.14	.13	.12	.11
517-952-10	929952-10	E	Blue	.15	.14	.13	.12
517-953-30	929953-30	E	Gray	.15	.14	.13	.12

CHG SERIES .100" PAK 100 WIREMOUNT SOCKETS

Features:

- For .100" Pitch Notched or Discrete Wire Cable
- One row, side-to-side stackable
- Mates to 3M one row pin strip headers
- Twin slot IDC provides four points of contact
- Temperature rating: -55°C to +105°C
- Plating: 30μ Gold
- Insulation material:
  Glass Filled Polyester (PBT), UL 94V-0
- Color: Gray
- Contact material: Copper alloy
- Current rating: "KEP" 22-24 AWG: 2 A
  "KCP" 26-28 AWG: 1.5 A
- Exclusive L/H 4-wipe contact
- Series CHG: Mates with Header Series 2300 and 929
- RoHS Compliant per 3M documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Wire AWG	Price Each			
					1	25	50	100
517-CHG-1002-11-KCP	CHG-1002-001010-KCP	F	2	26-28	1.02	.93	.88	.84
517-CHG-1002-11-KEP	CHG-1002-001010-KEP	F	2	22-24	.89	.82	.76	.69
517-CHG-1003-11-KCP	CHG-1003-001010-KCP	F	3	26-28	1.54	1.41	1.28	1.17
517-CHG-1003-11-KEP	CHG-1003-001010-KEP	F	3	22-24	1.85	1.69	1.60	1.51
517-CHG-1004-11-KCP	CHG-1004-001010-KCP	F	4	26-28	2.06	1.71	1.63	1.48
517-CHG-1004-11-KEP	CHG-1004-001010-KEP	F	4	22-24	1.81	1.66	1.50	1.38
517-CHG-1005-11-KCP	CHG-1005-001010-KCP	F	5	26-28	2.57	2.15	1.98	1.86
517-CHG-1005-11-KEP	CHG-1005-001010-KEP	F	5	22-24	2.24	1.86	1.72	1.62
517-CHG-1006-11-KCP	CHG-1006-001010-KCP	F	6	26-28	3.08	2.82	2.56	2.22
517-CHG-1006-11-KEP	CHG-1006-001010-KEP	F	6	22-24	2.70	2.47	2.25	2.05
517-CHG-1007-11-KEP	CHG-1007-001010-KEP	F	7	22-24	3.59	3.00	2.75	2.59
517-CHG-1008-11-KCP	CHG-1008-001010-KCP	F	8	26-28	4.11	3.76	3.51	2.97
517-CHG-1008-11-KEP	CHG-1008-001010-KEP	F	8	22-24	4.11	3.76	3.51	3.17
517-CHG-1009-11-KCP	CHG-1009-001010-KCP	F	9	26-28	3.65	3.35	3.05	2.64
517-CHG-1009-11-KEP	CHG-1009-001010-KEP	F	9	22-24	4.05	3.38	3.12	2.92
517-CHG-1010-11-KEP	CHG-1010-001010-KEP	F	10	22-24	3.79	3.46	3.22	2.91
517-CHG-1014-11-KCP	CHG-1014-001010-KCP	F	14	26-28	3.91	3.57	3.33	3.01

3M™ Wiremount Sockets and Latch/Ejector Headers

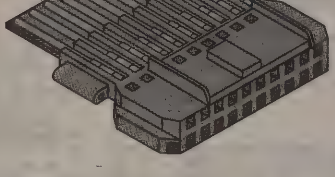
RoHS Compliant **This page of product is compliant.**

CHG SERIES .100" PAK 100 POLARIZED WIREMOUNT SOCKETS

Specifications:
- For .100" Notched Ribbon or Discrete Wire Cable
- Military/DIN 41612 compatibility
- Two row, polarized body
- Mates to long latch/eject headers and plugs
- Twin slot IDC provides four points of contact
- Exclusive L/H 4-wipe contact
- With Centerbump
- Insulation material: Glass Filled Polyester (PBT), Gray, UL94V-0
- Contact material: Copper alloy
- Current rating: "KEP" 22-24 AWG: 2 A
  "KCP" 26-28 AWG: 1.5 A
- Temperature rating: -55°C to +105°C
- Plating: 30μ" Gold
- Series CHG
- RoHS compliant per 3M documentation
- **Mates with Header Series: 2300, 929, 3000, 2500, 303**
  Plug Series: 4600

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	No. of Contacts	Wire AWG	Price Each 1	25	50	100
517-CHG-2010-J11-KCP	CHG-2010-J01010-KCP	10	26-28	3.43	3.14	2.97	2.81
517-2010-0101	CHG-2010-J01010-KEP	10	22-24	3.43	3.14	2.97	2.81
517-CHG-2014-J11-KCP	CHG-2014-J01010-KCP	14	26-28	4.81	4.39	4.16	3.93
517-CHG-2014-J11-KEP	CHG-2014-J01010-KEP	14	22-24	4.81	4.39	4.16	3.93
517-CHG-2016-J11-KEP	CHG-2016-J01010-KEP	16	22-24	4.45	4.06	3.85	3.64
517-CHG20-J01010-KCP	CHG-2020-J01010-KCP	20	26-28	5.13	4.70	4.45	4.32
517-CHG20-J01010-KEP	CHG-2020-J01010-KEP	20	22-24	5.13	4.70	4.45	4.32
517-CHG-2024-J11-KCP	CHG-2024-J01010-KCP	24	26-28	6.18	5.64	5.34	5.05
517-CHG-2024-J11-KEP	CHG-2024-J01010-KEP	24	22-24	6.37	5.82	5.51	5.21
517-CHG-2026-J11-KCP	CHG-2026-J01010-KCP	26	26-28	6.70	6.12	5.80	5.47
517-CHG-2026-J01010	CHG-2026-J01010-KEP	26	22-24	6.70	6.12	5.80	5.47
517-CHG-2030-J11-KEP	CHG-2030-J01010-KEP	30	22-24	6.43	5.87	5.56	5.25
517-2034-J01010	CHG-2034-J01010-KEP	34	22-24	7.30	6.67	6.32	5.97
517-CHG-2040-J11-KCP	CHG-2040-J01010-KCP	40	26-28	7.72	7.05	6.56	5.94
517-CHG-2040-J11-KEP	CHG-2040-J01010-KEP	40	22-24	7.72	7.05	6.56	5.94
517-CHG-2050	CHG-2050-J01010-KCP	50	26-28	8.56	7.82	7.42	7.22
517-CHG2050J01010KEP	CHG-2050-J01010-KEP	50	22-24	8.56	7.82	7.42	7.22
517-CHG-2060-J11-KEP	CHG-2060-J01010-KEP	60	22-24	10.29	9.41	8.77	7.92



RoHS Compliant

3000 SERIES .100" X .100" LATCH/EJECTOR HEADERS

Straight

RoHS compliant per 3M documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Body Width (In.)	Price Each 1	25	50	100
With Short Roll Pin Latch/Ejectors								
517-N3793-6202RB	N3793-6202RB	A	10	1.26	1.39	1.27	1.21	1.14
517-N3314-6202RB	N3314-6202RB	A	14	1.46	1.85	1.69	1.60	1.51
517-N3408-6202RB	N3408-6202RB	A	16	1.56	2.08	1.90	1.80	1.70
517-N3428-6202RB	N3428-6202RB	A	20	1.76	2.54	2.32	2.20	2.07
517-N3627-6202RB	N3627-6202RB	A	24	1.96	2.97	2.72	2.57	2.43
517-N3429-6202RB	N3429-6202RB	A	26	2.06	3.22	2.95	2.79	2.64
517-N3440-6202RB	N3440-6202RB	A	30	2.26	2.97	2.72	2.57	2.43
517-N3431-6202RB	N3431-6202RB	A	34	2.46	3.33	3.04	2.88	2.72
517-N3432-6202RB	N3432-6202RB	A	40	2.76	3.89	3.55	3.37	3.18
517-N3433-6202RB	N3433-6202RB	A	50	3.26	4.78	4.37	4.14	3.91
517-N3372-6202RB	N3372-6202RB	A	60	3.76	5.68	5.19	4.91	4.64
517-N3764-6202RB	N3764-6202RB	A	64	3.96	6.03	5.51	5.22	4.93
With Long Roll Pin Latch/Ejectors								
517-N3793-6302RB	N3793-6302RB	A	10	1.26	1.39	1.27	1.21	1.14
517-N3314-6302RB	N3314-6302RB	A	14	1.46	1.85	1.69	1.60	1.51
517-N3408-6302RB	N3408-6302RB	A	16	1.56	2.08	1.90	1.80	1.70
517-N3428-6302RB	N3428-6302RB	A	20	1.76	2.54	2.32	2.20	2.07
517-N3627-6302RB	N3627-6302RB	A	24	1.96	2.97	2.72	2.57	2.43
517-N3429-6302RB	N3429-6302RB	A	26	2.06	3.22	2.95	2.79	2.64
517-N3440-6302RB	N3440-6302RB	A	30	2.26	2.97	2.72	2.57	2.43
517-N3431-6302RB	N3431-6302RB	A	34	2.46	3.33	3.04	2.88	2.72
517-N3432-6302RB	N3432-6302RB	A	40	2.76	3.89	3.55	3.37	3.18
517-N3433-6302RB	N3433-6302RB	A	50	3.26	4.78	4.37	4.14	3.91
517-N3372-6302RB	N3372-6302RB	A	60	3.76	5.68	5.19	4.91	4.64
517-N3764-6302RB	N3764-6302RB	A	64	3.96	6.03	5.51	5.22	4.93

Right Angle

RoHS compliant per 3M documentation

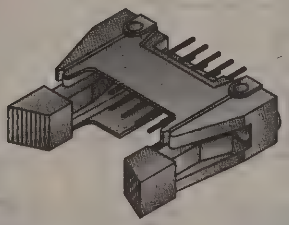
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Body Width (In.)	Price Each 1	25	50	100
With Short Roll Pin Latch/Ejectors								
517-N3793-5202RB	N3793-5202RB	B	10	1.26	1.39	1.27	1.21	1.14
517-N3314-5202RB	N3314-5202RB	B	14	1.46	1.85	1.69	1.60	1.51
517-N3408-5202RB	N3408-5202RB	B	16	1.56	2.08	1.90	1.80	1.70
517-N3428-5202RB	N3428-5202RB	B	20	1.76	2.54	2.32	2.20	2.07
517-N3627-5202RB	N3627-5202RB	B	24	1.96	2.97	2.72	2.57	2.43
517-N3429-5202RB	N3429-5202RB	B	26	2.06	3.22	2.95	2.79	2.64
517-N3440-5202RB	N3440-5202RB	B	30	2.26	2.97	2.72	2.57	2.43
517-N3431-5202RB	N3431-5202RB	B	34	2.46	3.33	3.04	2.88	2.72
517-N3432-5202RB	N3432-5202RB	B	40	2.76	3.89	3.55	3.37	3.18
517-N3433-5202RB	N3433-5202RB	B	50	3.26	4.78	4.37	4.14	3.91
517-N3372-5202RB	N3372-5202RB	B	60	3.76	5.68	5.19	4.91	4.09
517-N3764-5202RB	N3764-5202RB	B	64	3.96	6.03	5.51	5.22	4.93
With Long Roll Pin Latch/Ejectors								
517-N3793-5302RB	N3793-5302RB	B	10	1.26	1.39	1.27	1.21	1.14
517-N3314-5302RB	N3314-5302RB	B	14	1.46	1.85	1.69	1.60	1.51
517-N3408-5302RB	N3408-5302RB	B	16	1.56	3.75	3.05	2.45	2.40
517-N3428-5302RB	N3428-5302RB	B	20	1.76	2.54	2.32	2.20	2.07
517-N3627-5302RB	N3627-5302RB	B	24	1.96	2.97	2.72	2.57	2.43
517-N3429-5302RB	N3429-5302RB	B	26	2.06	3.22	2.95	2.79	2.64
517-N3440-5302RB	N3440-5302RB	B	30	2.26	2.97	2.72	2.57	2.43
517-N3431-5302RB	N3431-5302RB	B	34	2.46	3.33	3.04	2.88	2.72
517-N3432-5302RB	N3432-5302RB	B	40	2.76	3.89	3.55	3.37	3.18
517-N3433-5302RB	N3433-5302RB	B	50	3.26	4.78	4.37	4.14	3.91
517-N3372-5302RB	N3372-5302RB	B	60	3.76	5.68	5.19	4.91	4.64
517-N3764-5302RB	N3764-5302RB	B	64	3.96	6.03	5.51	5.22	4.93

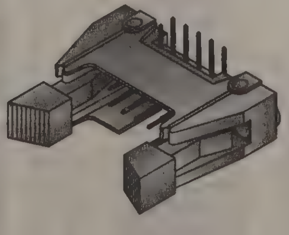
Specifications:
- Solder Tail Type
- Standard ejector latches
- Optional polarizing posts
- Mounting holes for securing header to board
- Insulation Material: Glass Filled Polyester (PCT)
- Military (with 3M's 3518 polarizing key) and centerbump polarization
- High temperature insulator suitable for "no lead" soldering operations
- Suitable for reflow soldering using "paste in hole" techniques
- Flammability: UL 94V-0
- Color: Black; Ejector Latch: Gray
- Contact material: Copper Alloy
- Contact plating: 30" Gold
- Terminal Finish Indicator: e3 (per JESD97)
- Marking: 3M Logo, Part Identification Number and Orientation Triangle
- Current Rating: 1A
- Insulation Resistance >1 x 109 at 500Vdc
- Withstanding Voltage: 1000Vrms at Sea Level
- Temperature Rating: -55°C - +105°C
- Process Rating: Maximum 260°C, single pass, (profile per J-STD-020C)
- Moisture Sensitivity Level: 1 (per J-STD-020C)
- **Mates with Socket Series' CHG, 8500, 3000, and 891**

RoHS Compliant

A



B



RoHS Compliant This page of product is compliant.

2500 SERIES .100" X .100" LOW PROFILE BOX HEADERS

Specifications:

- Solder Tail Type
- Low profile, space saving design
- RoHS compliant per 3M documentation
- High temperature insulator suitable for "no lead" soldering operations
- Suitable for reflow soldering using "paste in hole" techniques
- Insulation material: Glass filled polyester (PCT)
- Flammability: UL 94V-0
- Color: Black
- Contact material: Copper Alloy
- Contact plating: 30" Gold
- Terminal finish indicator: e3 (per JESD97)
- Current rating: 2A
- Insulation resistance: >1x 109 @ 500VDC
- Withstanding voltage: 1000 Vrms @ sea level
- Temperature rating: -55°C to +105°C
- Process rating: Maximum 260°C, single pass, (profile per J-STD-020C)
- Moisture sensitivity level: 1 (per J-STD-020C)
- Series 2500 mates with socket series: CHG, 8500, 3000, and 891
- RoHS compliant per 3M documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
Straight							
517-N2510-6002RB	N2510-6002RB	A	10	1.37	1.25	1.19	1.12
517-N2514-6002RB	N2514-6002RB	A	14	1.41	1.29	1.22	1.16
517-N2516-6002RB	N2516-6002RB	A	16	1.58	1.44	1.37	1.29
517-N2520-6002RB	N2520-6002RB	A	20	1.64	1.50	1.42	1.34
517-N2524-6002RB	N2524-6002RB	A	24	1.75	1.60	1.51	1.43
517-N2526-6002RB	N2526-6002RB	A	26	1.77	1.62	1.53	1.45
517-N2530-6002RB	N2530-6002RB	A	30	2.04	1.86	1.76	1.67
517-N2534-6002RB	N2534-6002RB	A	34	2.12	1.94	1.84	1.73
517-N2540-6002RB	N2540-6002RB	A	40	2.27	2.07	1.96	1.85
517-N2550-6002RB	N2550-6002RB	A	50	2.81	2.57	2.43	2.30
517-N2560-6002RB	N2560-6002RB	A	60	3.37	3.08	2.92	2.75
517-N2564-6002RB	N2564-6002RB	A	64	3.58	3.27	3.10	2.92
Right Angle							
517-N2510-5002RB	N2510-5002RB	B	10	1.52	1.39	1.31	1.24
517-N2514-5002RB	N2514-5002RB	B	14	1.56	1.43	1.35	1.28
517-N2516-5002RB	N2516-5002RB	B	16	1.75	1.60	1.51	1.43
517-N2520-5002RB	N2520-5002RB	B	20	1.83	1.67	1.58	1.50
517-N2524-5002RB	N2524-5002RB	B	24	1.91	1.72	1.63	1.45
517-N2526-5002RB	N2526-5002RB	B	26	1.93	1.77	1.67	1.58
517-N2530-5002RB	N2530-5002RB	B	30	2.62	2.36	2.21	1.99
517-N2534-5002RB	N2534-5002RB	B	34	2.31	2.11	2.00	1.89
517-N2540-5002RB	N2540-5002RB	B	40	2.50	2.28	2.16	2.04
517-N2550-5002RB	N2550-5002RB	B	50	3.08	2.81	2.66	2.52
517-N2560-5002RB	N2560-5002RB	B	60	3.70	3.38	3.20	3.03
517-N2564-5002RB	N2564-5002RB	B	64	3.95	3.55	3.35	3.00

303 SERIES .100" X .100" LOW COST, LOW PROFILE BOX HEADERS

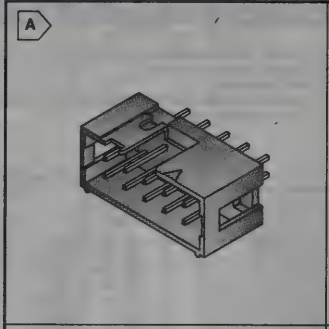
Specifications:

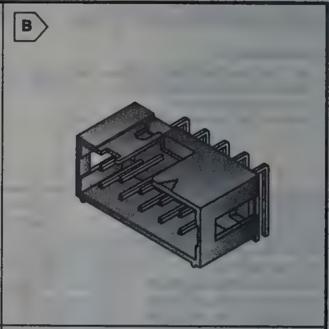
- Sturdy body
- End windows
- Insulation material: Glass filled polyester (PBT)
- Flammability: UL94V-0
- Insulation color: Black
- Contact material: Brass
- Contact plating: Gold flash
- Current rating: 1A
- Insulation resistance: >1x 109 @ 500VDC
- Withstanding voltage: 500Vrms @ sea level
- Temperature rating: -55°C to +105°C
- Series 303 mates with socket series: CHG, 8500, 3000, and 891
- RoHS compliant per 3M documentation

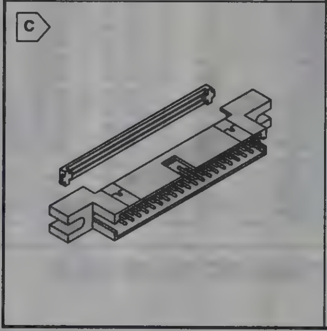
RoHS Compliant

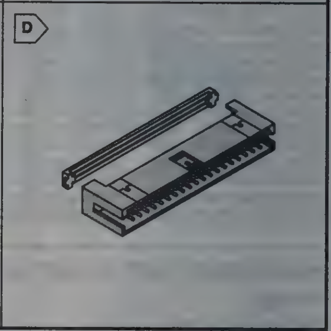
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
Straight							
517-30310-6002	30310-6002HB	A	10	.33	.31	.29	.28
517-30314-6002	30314-6002HB	A	14	.35	.33	.31	.29
517-30316-6002	30316-6002HB	A	16	.37	.36	.35	.34
517-30320-6002	30320-6002HB	A	20	.42	.40	.38	.36
517-30326-6002	30326-6002HB	A	26	.50	.46	.42	.38
517-30334-6002	30334-6002HB	A	34	.58	.53	.48	.44
517-30340-6002	30340-6002HB	A	40	.64	.59	.54	.49
517-30350-6002	30350-6002HB	A	50	.77	.70	.64	.58
Right Angle							
517-30310-5002	30310-5002HB	B	10	.40	.38	.36	.34
517-30314-5002	30314-5002HB	B	14	.42	.40	.38	.36
517-30316-5002	30316-5002HB	B	16	.44	.42	.40	.38
517-30320-5002	30320-5002HB	B	20	.48	.46	.44	.42
517-30326-5002	30326-5002HB	B	26	.56	.54	.52	.50
517-30334-5002	30334-5002HB	B	34	.64	.59	.54	.49
517-30340-5002	30340-5002HB	B	40	.73	.67	.61	.55
517-30350-5002	30350-5002HB	B	50	.85	.78	.71	.65

A


B


C


D


4600 SERIES .100" X .100" WIREMOUNT PLUGS IDC SHROUDED HEADERS

RoHS Compliant

Features:

- Shrouded to protect against physical and chemical pin damage
- Accepts flat cable or discrete wire
- Insulation material: Glass filled polyester (PBT)
- Flammability: UL 94V-0
- Color: Gray
- Contact material: Copper alloy
- Wire Accommodation: 26 and 28 AWG solid or stranded
- RoHS compliant per 3M documentation
- Current rating: 1A
- Temperature rating: -55°C to +105°C
- Plating: 30µ" Gold
- Open end cover included
- Series 4600 mates with socket series: CHG, 8500, 3000, and 891

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
With Mounting Flange							
517-4610-6050	4610-6050	C	10	2.95	2.70	2.55	2.42
517-4614-6000	4614-6000	C	14	4.10	3.74	3.49	3.15
517-4616-6000	4616-6000	C	16	4.64	4.24	3.94	3.57
517-4620-6000	4620-6000	C	20	5.41	4.94	4.60	4.16
517-4624-6000	4624-6000	C	24	5.95	5.00	4.75	4.51
517-4626-6000	4626-6000	C	26	6.15	5.63	5.24	4.74
517-4634-6000	4634-6000	C	34	7.63	6.97	6.50	5.88
517-4636-6000	4636-6000	C	36	8.07	6.79	6.60	6.13
517-4640-6000	4640-6000	C	40	8.47	7.73	7.20	6.51
517-4650-6000	4650-6000	C	50	9.18	8.38	7.81	7.05
517-4660-6000	4660-6000	C	60	10.82	9.10	8.84	8.21
Without Mounting Flange							
517-4610-6051	4610-6051	D	10	2.95	2.70	2.55	2.42
517-4614-6001	4614-6001	D	14	4.10	3.74	3.49	3.15
517-4616-6001	4616-6001	D	16	4.64	4.24	3.94	3.57
517-4620-6001	4620-6001	D	20	5.41	4.94	4.60	4.16
517-4624-6001	4624-6001	D	24	5.95	5.00	4.87	4.51
517-4626-6001	4626-6001	D	26	6.15	5.63	5.24	4.74
517-4634-6001	4634-6001	D	34	7.63	6.97	6.50	5.88
517-4636-6001	4636-6001	D	36	8.07	6.79	6.60	6.13
517-4640-6001	4640-6001	D	40	8.47	7.73	7.20	6.51
517-4650-6001	4650-6001	D	50	9.18	8.38	7.81	7.05
517-4660-6001	4660-6001	D	60	10.82	9.10	8.84	8.21

Accessories

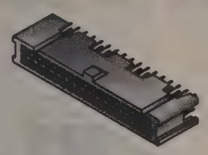
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	25	50	100
517-3448-4610	3448-4610	10P strain relief	.59	.55	.53	.51
517-3448-4614	3448-4614	14P strain relief	.69	.63	.57	.53
517-3448-4616	3448-4616	16P strain relief	.69	.63	.57	.53
517-3448-4620	3448-4620	20P strain relief	.69	.63	.57	.53
517-3448-4624	3448-4624	24P strain relief	.68	.57	.56	.52
517-3448-4626	3448-4626	26P strain relief	.68	.57	.56	.52
517-3448-4634	3448-4634	34P strain relief	.69	.63	.57	.53
517-3448-4636	3448-4636	36P strain relief	.68	.57	.56	.52
517-3448-4640	3448-4640	40P strain relief	.69	.63	.57	.53
517-3448-4650	3448-4650	50P strain relief	.69	.63	.57	.53
517-3448-4660	3448-4660	60P strain relief	.68	.57	.56	.52
517-3518	3518	polarization key	.16	.15	.14	.13
517-3505-16	3505-16	short latch	.18	.17	.16	.15
517-3505-17	3505-17	long latch	.19	.18	.17	.16

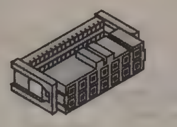
3M™ Socket Connectors

RoHS Compliant This page of product is compliant.

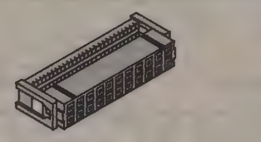
A



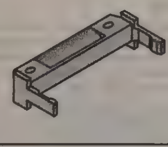
B



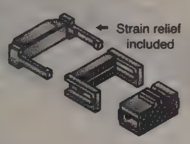
C



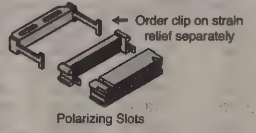
D



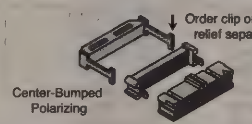
E



F



G



8500 SERIES .100" X .100" POLARIZED BOARDMOUNT SOCKETS

RoHS Compliant

- Centerbump polarization
- Mates with low profile shrouded headers
- Board retention feature
- Insulation material: Glass filled polyester (PBT),
- Gray, UL 94V-0
- Contact material: Copper alloy
- Contact plating: 12μ" Gold
- Current rating: 1A
- Withstanding voltage: 1000Vrms
- Temperature rating: -55° C to +105°C
- Series 8500
  Mates w/ Header Series: 3000, 2500, & 303
  Plug Series: 4600

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-8510-4500PL	8510-4500PL	A	10	1.84	1.75	1.66	1.57
517-8520-4500PL	8520-4500PL	A	20	2.83	2.58	2.35	2.15
517-8526-4500PL	8526-4500PL	A	26	3.37	3.08	2.80	2.56
517-8534-4500PL	8534-4500PL	A	34	3.90	3.71	3.51	3.32
517-8540-4500PL	8540-4500PL	A	40	4.38	4.17	3.95	3.73
517-8550-4500PL	8550-4500PL	A	50	5.24	4.98	4.72	4.46

891 SERIES .100" X .100" PREASSEMBLED WIREMOUNT SOCKETS

RoHS Compliant

- Wire accomodation: 26 & 28 AWG stranded
- Insulation material: Glass filled polyester (PBT), Gray, UL 94V-0
- Plating: 30μ" gold
- Contact material: Phosphor Bronze (C510)
- Current rating: 1A
- Temperature rating: -55° C to +105°C
- Withstanding voltage: 1000Vrms
- Series 891
- Mates w/ Header Series: 3000, 2500, & 303
  Plug Series: 4600
- RoHS compliant per 3M documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
Centerbump Polarizing							
517-89110-0101	89110-0101	B	10	.64	.59	.54	.49
517-89114-0101	89114-0101	B	14	.66	.61	.56	.51
517-89116-0101	89116-0101	B	16	.69	.63	.57	.53
517-89120-0101	89120-0101	B	20	.75	.69	.63	.57
517-89126-0101	89126-0101	B	26	.85	.78	.71	.65
517-89130-0101	89130-0101	B	30	.94	.86	.78	.72
517-89134-0101	89134-0101	B	34	.96	.88	.80	.73
517-89140-0101	89140-0101	B	40	1.29	1.18	1.07	.98
517-89150-0101	89150-0101	B	50	1.39	1.28	1.15	1.06
Without Centerbump Polarizing							
517-89110-0001	89110-0001	C	10	.64	.59	.54	.49
517-89114-0001	89114-0001	C	14	.66	.61	.56	.51
517-89116-0001	89116-0001	C	16	.69	.63	.57	.53
517-89120-0001	89120-0001	C	20	.75	.69	.63	.57
517-89126-0001	89126-0001	C	26	.85	.78	.71	.65
517-89134-0001	89134-0001	C	34	.96	.88	.80	.73
517-89140-0001	89140-0001	C	40	1.29	1.18	1.07	.98
517-89150-0001	89150-0001	C	50	1.39	1.28	1.15	1.06
517-89160-0001	89160-0001	C	60	1.43	1.31	1.19	1.09
Optional Clip On Strain Relief							
517-3448-89110	3448-89110	D	10	.19	.18	.17	.16
517-3448-89114	3448-89114	D	14	.19	.18	.17	.16
517-3448-89116	3448-89116	D	16	.19	.18	.17	.16
517-3448-89120	3448-89120	D	20	.19	.18	.17	.16
517-3448-89126	3448-89126	D	26	.19	.18	.17	.16
517-3448-89134	3448-89134	D	34	.19	.18	.17	.16
517-3448-89140	3448-89140	D	40	.19	.18	.17	.16
517-3448-89150	3448-89150	D	50	.19	.18	.17	.16
517-3448-89160	3448-89160	D	60	.19	.18	.17	.16

SCOTCHFLEX ® ECONOMY SOCKET CONNECTORS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-8910	89110-0103	E	10	.75	.68	.64	.57
517-8914	89114-0103	E	14	.77	.70	.67	.63
517-8916	89116-0103	E	16	.79	.72	.68	.65
517-8920	89120-0103	E	20	.85	.78	.74	.70
517-8924	89124-0103	E	24	.92	.84	.79	.75
517-8926	89126-0103	E	26	.98	.89	.85	.80
517-8930	89130-0103	E	30	1.12	1.03	.97	.92
517-8934	89134-0103	E	34	1.20	1.11	1.02	.93
517-8940	89140-0103	E	40	1.44	1.31	1.24	1.17
517-8950	89150-0103	E	50	1.87	1.73	1.60	1.44
517-8960	89160-0103	E	60	1.56	1.43	1.35	1.28

3000 SERIES .100" X .100" WIREMOUNT SOCKET CONNECTORS

- Industry standard IDC socket
- Current rating: 1A
- Positive locking metal "J" clips provide high cover retention
- Withstanding voltage: 1000Vrms
- Accepts flat cable or discrete wire
- Temperature rating: -55° C to +105°C
- Insulation material: Glass filled polyester (PBT), Gray, UL 94V-0
- Contact material: Copper alloy
- Wire accommodation: 26 & 28 AWG solid or standed
- Series 3000
  Mates w/ Header Series: 3000, 2500, & 303
  Plug Series: 4600
- Plating: 30μ" Gold
- Order strain reliefs separately. (see below)
- RoHS compliant per 3M documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
Polarizing Slots - Open-Ended for Daisy Chaining							
517-3473-6000	3473-6000	F	10	1.99	1.83	1.66	1.52
517-3385-6000	3385-6000	F	14	2.41	2.21	2.00	1.83
517-3452-6000	3452-6000	F	16	2.64	2.42	2.20	2.00
517-3421-6000	3421-6000	F	20	2.91	2.66	2.42	2.21
517-3626-6000	3626-6000	F	24	3.49	3.20	2.91	2.66
517-3399-6000	3399-6000	F	26	3.76	3.17	3.13	2.86
517-3419-6000	3419-6000	F	30	4.32	3.64	3.55	3.28
517-3414-6000	3414-6000	F	34	4.91	4.13	4.01	3.72
517-3417-6000	3417-6000	F	40	5.76	4.84	4.71	4.37
517-3425-6000	3425-6000	F	50	7.20	6.05	5.85	5.46
Polarizing Slots - Closed-Ended for Line Termination							
517-3473-7000	3473-7000	F	10	2.12	1.94	1.76	1.61
517-3385-7000	3385-7000	F	14	2.66	2.44	2.22	1.92
517-3452-7000	3452-7000	F	16	2.78	2.55	2.32	2.11
517-3421-7000	3421-7000	F	20	3.05	2.80	2.54	2.20
517-3626-7000	3626-7000	F	24	3.65	3.35	3.05	2.78
517-3399-7000	3399-7000	F	26	3.97	3.69	3.30	2.86
517-3419-7000	3419-7000	F	30	4.56	4.16	3.79	3.28
517-3414-7000	3414-7000	F	34	5.12	4.67	4.25	3.69
517-3417-7000	3417-7000	F	40	6.01	5.49	5.00	4.33
517-3425-7000	3425-7000	F	50	7.49	6.84	6.23	5.68
Center-Bumped Polarizing - Open-Ended for Daisy Chaining							
517-3473-6600	3473-6600	G	10	1.99	1.83	1.66	1.52
517-3385-6600	3385-6600	G	14	2.41	2.03	1.95	1.83
517-3452-6600	3452-6600	G	16	2.64	2.42	2.20	2.00
517-3421-6600	3421-6600	G	20	2.91	2.66	2.42	2.21
517-3626-6600	3626-6600	G	24	3.49	3.20	2.91	2.66
517-3399-6600	3399-6600	G	26	3.76	3.16	3.13	2.86
517-3419-6600	3419-6600	G	30	4.32	3.64	3.55	3.28
517-3414-6600	3414-6600	G	34	4.91	4.13	4.08	3.73
517-3417-6600	3417-6600	G	40	5.76	4.84	4.74	4.37
517-3425-6600	3425-6600	G	50	7.20	6.05	5.85	5.46
Center-Bumped Polarizing - Closed-Ended for Line Termination							
517-3473-7600	3473-7600	G	10	2.12	1.94	1.76	1.61
517-3385-7600	3385-7600	G	14	2.66	2.24	2.12	2.02
517-3452-7600	3452-7600	G	16	2.78	2.55	2.32	2.11
517-3421-7600	3421-7600	G	20	3.05	2.57	2.45	2.32
517-3626-7600	3626-7600	G	24	3.65	3.35	3.05	2.78
517-3399-7600	3399-7600	G	26	3.97	3.34	3.25	3.01
517-3419-7600	3419-7600	G	30	4.56	3.83	3.79	3.46
517-3414-7600	3414-7600	G	34	5.12	4.30	4.25	3.88
517-3417-7600	3417-7600	G	40	6.01	5.05	4.75	4.56
517-3425-7600	3425-7600	G	50	7.49	6.84	6.23	5.68

Plastic Clip On Strain Reliefs

RoHS Compliant

- RoHS compliant per 3M documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	No. of Contacts	Price Each			
			1	25	50	100
517-3448-3010	3448-3010	10	.25	.23	.21	.19
517-3448-3014	3448-3014	14	.25	.23	.21	.19
517-3448-3016	3448-3016	16	.25	.23	.21	.19
517-3448-3020	3448-3020	20	.25	.23	.21	.19
517-3448-3024	3448-3024	24	.25	.23	.21	.19
517-3448-3026	3448-3026	26	.25	.23	.21	.19
517-3448-3030	3448-3030	30	.25	.23	.21	.19
517-3448-3034	3448-3034	34	.25	.23	.21	.19
517-3448-3040	3448-3040	40	.25	.23	.21	.19
517-3448-3050	3448-3050	50	.25	.23	.21	.19

810 SERIES .050" X .100" TRIPOLARIZED, LATCH/EJECTOR HEADERS

Specifications:

- Latch and eject for rugged high performance applications
- Two-row solder tail design saves board space
- Four-wall shroud provides contact protection
- Insulation material: High temperature plastic (LCP), Ivory, UL 94V-0
- Temperature rating: -55°C to + 105°C
- Plating: 30μ" Gold
- Current rating: 0.5A
- Withstanding voltage: 500 Vrms
- Contact material: Copper alloy

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Body Width (In.)	Price Each			
					1	25	50	100
Straight								
517-81020-620201	81020-620201	A	20	1.06	4.16	3.80	3.46	3.16
517-81026-620201	81026-620201	A	26	1.21	5.28	4.83	4.39	4.01
517-81036-620201	81036-620201	A	36	1.46	7.16	6.54	6.19	5.85
517-81040-620201	81040-620201	A	40	1.56	7.90	7.22	6.57	6.00
517-81060-620201	81060-620201	A	60	2.06	11.65	10.64	9.69	8.85
517-81068-620201	81068-620201	A	68	2.26	13.15	12.01	10.93	9.99
517-81100-620201	81100-620201	A	100	3.06	19.14	17.48	15.92	14.54
Right Angle								
517-81020-520203	81020-520203	B	20	1.06	4.37	3.99	3.63	3.32
517-81026-520203	81026-520203	B	26	1.21	5.55	5.07	4.62	4.22
517-81040-520203	81040-520203	B	40	1.56	8.32	7.60	6.92	6.32
517-81060-520203	81060-520203	B	60	2.06	12.27	11.21	10.21	9.32
517-81068-520203	81068-520203	B	68	2.26	13.85	12.65	11.52	10.52
517-81080-520203	81080-520203	B	80	2.56	16.22	14.82	13.49	12.32
517-81100-520203	81100-520203	B	100	3.06	20.18	18.43	16.78	15.33

8200 SERIES .050" X .100" TRIPOLARIZED WIREMOUNT SOCKETS

For .025" Pitch Cable

Specifications:

- Hill-n-dale design provides a high performance IDC termination
- Insert-molded copper alloy contacts for superior strength and reliability
- Insulation material: Glass filled polyester (PBT), Gray, UL 94V-0
- Temperature rating: -55°C to +105°C
- Metal cover latch
- Plating: Tin-lead
- Current rating: 0.5A
- Withstand voltage: 500Vrms

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Body Width (In.)	Price Each			
					1	25	50	100
Strain Relief Included								
517-82020-6006	82020-6006	C	20	0.755	5.99	5.47	4.98	4.55
517-82026-6006	82026-6006	C	26	0.905	7.03	6.42	5.85	5.34
517-82036-6006	82036-6006	C	36	1.155	8.69	7.94	7.23	6.60
517-82040-6006	82040-6006	C	40	1.255	9.38	8.57	7.80	7.13
517-82050-6006	82050-6006	C	50	1.505	11.04	10.09	9.19	8.39
517-82060-6006	82060-6006	C	60	1.755	12.71	11.61	10.57	9.65
517-82068-6006	82068-6006	C	68	1.955	14.06	12.84	11.69	10.68
517-82080-6006	82080-6006	C	80	2.255	16.10	14.71	13.39	12.23
517-82100-6006	82100-6006	C	100	2.755	19.47	17.78	16.19	14.79
Strain Relief Not Included (order separately)								
517-82020-6000	82020-6000	C	20	0.755	5.45	4.98	4.53	4.14
517-82026-6000	82026-6000	C	26	0.905	6.49	6.24	5.93	4.68
517-82036-6000	82036-6000	C	36	1.155	8.13	7.43	6.76	6.18
517-82040-6000	82040-6000	C	40	1.255	8.80	8.04	7.32	6.68
517-82060-6000	82060-6000	C	60	1.755	12.11	11.06	10.07	9.20
517-82068-6000	82068-6000	C	68	1.955	13.44	12.27	11.63	10.98
517-82080-6000	82080-6000	C	80	2.255	15.48	14.14	12.87	11.76
517-82100-6000	82100-6000	C	100	2.755	18.80	17.18	15.64	14.28

Optional Strain Reliefs

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	100	500	1000
517-3858-020	3858-020	20P strain relief	2.18	2.00	1.89	1.79
517-3858-026	3858-026	26P strain relief	1.85	1.69	1.60	1.51
517-3858-040	3858-040	40P strain relief	.92	.84	.79	.75
517-3858-060	3858-060	60P strain relief	1.87	1.71	1.62	1.53
517-3858-068	3858-068	68P strain relief	1.27	1.16	1.10	1.04
517-3858-100	3858-100	100P strain relief	1.98	1.81	1.71	1.62

78XX SERIES .100" X .100" 2 ROW PCB CONNECTORS

Specifications:

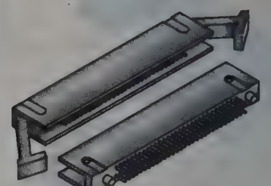
- Insulation material: Glass filled thermoplastic, Gray, UL 94V-0
- Wire Accommodation: 26 AWG Stranded, 28 AWG Solid or Stranded, 30 AWG Solid
- Uses less board area than 4-row design
- RoHS compliant per 3M documentation
- Contact material: Beryllium Copper
- Current rating: 1A
- Withstanding voltage: 1000 VAC for 1 minute
- Temperature rating: -55°C to +105°C
- Fits standard .100" x .100" header layout

RoHS Compliant

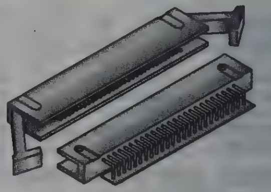
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Body Width (In.)	Price Each			
					1	25	50	100
517-7810-0000PR	7810-0000PR	D	10	0.689	2.23	2.13	1.70	1.53
517-7814-0000PR	7814-0000PR	D	14	0.889	2.27	2.21	2.11	1.87
517-7816-0000PR	7816-0000PR	D	16	0.989	2.32	2.21	2.01	1.90
517-7820-0000PR	7820-0000PR	D	20	1.189	1.98	1.80	1.65	1.50
517-7826-0000PR	7826-0000PR	D	26	1.484	2.69	2.45	2.19	2.03
517-7834-0000PR	7834-0000PR	D	34	1.889	2.97	2.65	2.44	2.21
517-7840-0000PR	7840-0000PR	D	40	2.189	3.20	3.01	2.63	2.41
517-7850-0000PR	7850-0000PR	D	50	2.689	3.75	3.60	3.42	3.24
517-7860-0000PR	7860-0000PR	D	60	3.189	5.42	4.93	4.55	4.15

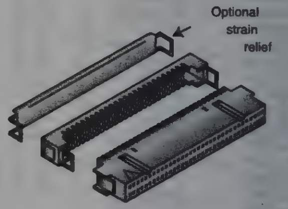
A



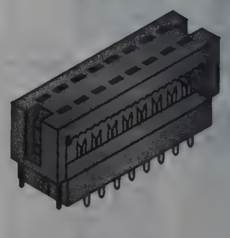
B



C



D



3M™ 2mm x 2mm Headers and Sockets

1512 SERIES 2MM X 2MM PIN STRIP HEADERS

Specifications:

- Industry standard compatible
- High temperature dielectric
- Maximizes use of PC board space
- Mates with boardmount and wiremount products
- End and side stackable
- Insulator material: Black high temperature thermoplastic, UL94V-0
- Contact material: Copper alloy
- Plating: 30μ" Gold
- Current rating: 1.5 A
- Withstanding voltage: 500 Vrms at sea level
- Temperature rating: -55°C to +105°C

Straight

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Pin Length (In.)	Price Each			
					1	25	50	100
517-151210-8322	151210-8322-TB	A	10	0.130	.93	.85	.78	.76
517-151212-8322	151212-8322-TB	A	12	0.130	1.02	.95	.86	.81
517-151220-8322	151220-8322-TB	A	20	0.130	1.56	1.43	1.30	1.19
517-151226-8322	151226-8322-TB	A	26	0.130	1.66	1.54	1.45	1.40
517-151230-8322	151230-8322-TB	A	30	0.130	1.98	1.88	1.71	1.56
517-151240-8322	151240-8322-TB	A	40	0.130	2.45	2.24	2.04	1.86
517-151250-8322	151250-8322-TB	A	50	0.130	2.91	2.66	2.42	2.21

Right Angle

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Pin Length (In.)	Price Each			
					1	25	50	100
517-151210-7422	151210-7422-TB	B	10	0.152	.71	.59	.54	.51
517-151220-7422	151220-7422-TB	B	20	0.152	1.04	.95	.87	.75
517-151230-7422	151230-7422-TB	B	30	0.152	1.39	1.27	1.16	1.05
517-151240-7422	151240-7422-TB	B	40	0.152	1.87	1.71	1.56	1.42
517-151244-7422	151244-7422-TB	B	44	0.152	1.75	1.55	1.51	1.48
517-151250-7422	151250-7422-TB	B	50	0.152	2.18	1.81	1.67	1.55

1502 SERIES 2MM X 2MM BOARDMOUNT SOCKETS

Specifications:

- Industry standard compatible
- Plated thru hole style
- Minimizes PC board stcking heights
- End and side stackable
- Insulator material: Black glass filled PCT, UL94V-0
- Contact material: Copper alloy
- Plating: 30μ" Gold
- Current rating: 1 A
- Withstanding voltage: 500 Vdc at sea level
- Temperature rating: -55°C to +105°C

Straight

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Solder Tail Length (In.)	Price Each			
					1	25	50	100
517-150210-6002	150210-6002-TB	C	10	0.100	1.72	1.63	1.54	1.31
517-150220-6002	150220-6002-TB	C	20	0.100	2.12	1.75	1.62	1.52
517-150226-6002	150226-6002-TB	C	26	0.100	2.29	1.93	1.78	1.64
517-150230-6002	150230-6002-TB	C	30	0.100	2.43	2.10	1.98	1.87
517-150240-6002	150240-6002-TB	C	40	0.100	2.74	2.27	2.09	1.96
517-150244-6002	150244-6002-TB	C	44	0.100	2.89	2.64	2.50	2.17
517-150250-6002	150250-6002-TB	C	50	0.100	2.69	2.66	2.51	2.31

Right Angle

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Standoff Height (In.)	Price Each			
					1	25	50	100
517-150210-5002	150210-5002-TB	D	10	0.015	4.49	4.44	4.20	3.95
517-150220-5002	150220-5002-TB	D	20	0.015	5.54	4.62	4.25	3.99
517-150230-5002	150230-5002-TB	D	30	0.015	5.33	5.18	4.89	4.60
517-150240-5002	150240-5002-TB	D	40	0.015	5.61	5.56	5.25	4.94
517-150244-5002	150244-5002-TB	D	44	0.015	5.72	5.67	5.35	5.04
517-150250-5002	150250-5002-TB	D	50	0.015	5.98	5.90	5.57	5.24

1522 SERIES 2MM X 2MM WIREMOUNT SOCKETS

For 1mm Pitch Cable

Specifications:

- Industry standard compatible
- Mates with Pak 20 grid pin strips & 2mm latch/eject headers
- Low Profile
- Preassembled open covers
- Wire accommodation: 28 AWG stranded
- Insulation material: Gray glass filled polyester PBT, UL94V-0
- Contact material: Copper alloy
- Plating: 30μ" Gold
- Current rating: 1A
- Withstanding voltage: 1000 Vrms at sea level
- Temperature rating: -55°C to +105°C
- RoHS compliant per 3M documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

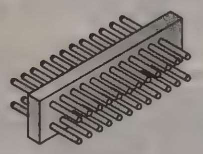
MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Assembled Height w/o Strain Relief (In.)	Price Each			
					1	25	50	100
517-152210-0100	152210-0100-GB	E	10	0.290	3.14	2.64	2.45	2.25
517-152212-0100	152212-0100-GB	E	12	0.290	3.18	2.83	2.53	2.38
517-152220-0100	152220-0100-GB	E	20	0.290	3.47	2.88	2.67	2.55
517-152226-0100	152226-0100-GB	E	26	0.290	4.17	3.48	3.21	2.98
517-152240-0100	152240-0100-GB	E	40	0.290	4.37	3.67	3.47	3.26
517-152244-0100	152244-0100-GB	E	44	0.290	4.48	3.78	3.61	3.41
517-152250-0100	152250-0100-GB	E	50	0.290	4.56	3.80	3.55	3.26

Strain Reliefs

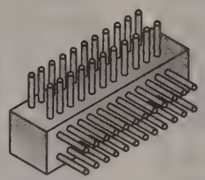
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Cont.	Pin Length (In.)	Price Each			
					1	25	50	100
517-3448-152210	3448-152210	- -	10	0.370	.52	.43	.41	.39
517-3448-152212	3448-152212	- -	12	0.370	.83	.70	.66	.63
517-3448-152220	3448-152220	- -	20	0.370	.52	.43	.41	.39
517-3448-152226	3448-152226	- -	26	0.370	1.02	.85	.81	.77
517-3448-152240	3448-152240	- -	40	0.370	.94	.78	.76	.71
517-3448-152244	3448-152244	- -	44	0.370	.33	.28	.26	.25
517-3448-152250	3448-152250	- -	50	0.370	.52	.43	.41	.39

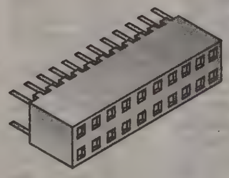
A



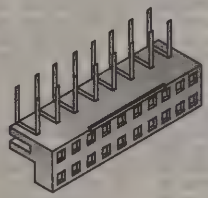
B



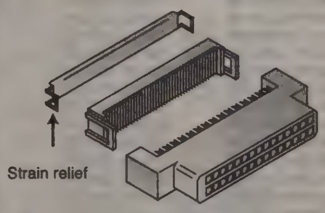
C



D



E



3M™ 2mm x 2mm Latch/Eject Headers

RoHS Compliant This page of product is compliant.

2MM LATCH/EJECT HEADERS

Features:

- Latch/eject mechanism maintains a secure connection
- Roll pins retain latches to body in shipping and high vibration environments
- Ejector helps make removal of assemblies easy
- High temperature insulators suitable for "lead free" processing and meet JEDEC J-STD-020C
- RoHS compliant per 3M™ documentation
- Mates with 3M™ 1552 Series IDC Wiremount Sockets or 3M™ Molded Cable Assemblies

Specifications:

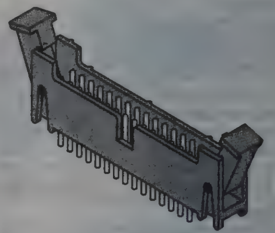
- Insulation Material: Glass Filled Polyester (PCT)
- Flammability: UL 94V-0
- Contact Material: Copper Alloy
- Withstanding Voltage: 1000Vms at Sea Level
- Current Rating: 1A
- Plating: 30μ" Gold

RoHS Compliant

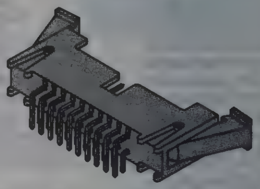
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Latching	Solder Tail Length in. (mm)	Price Each		
						1	25	50
1552 Series Straight Through Hole								
517-155210-6202-RB	155210-6202-RB	A	10	Mold-on socket latch	.112" (2.84)	4.10	3.89	3.75
517-155210-6302-RB	155210-6302-RB	A	10	Press-on socket latch	.112" (2.84)	4.75	4.64	4.42
517-155210-6203-RB	155210-6203-RB	A	10	Mold-on socket latch	.155" (3.94)	5.05	4.69	4.42
517-155210-6303-RB	155210-6303-RB	A	10	Press-on socket latch	.155" (3.94)	4.75	4.64	4.42
517-155212-6302-RB	155212-6302-RB	A	12	Press-on socket latch	.112" (2.84)	4.09	3.96	3.72
517-155212-6303-RB	155212-6303-RB	A	12	Press-on socket latch	.155" (3.94)	4.09	3.96	3.72
517-155216-6202-RB	155216-6202-RB	A	16	Mold-on socket latch	.112" (2.84)	5.46	5.21	4.96
517-155216-6203-RB	155216-6203-RB	A	16	Mold-on socket latch	.155" (3.94)	5.46	5.21	4.96
517-155220-6202-RB	155220-6202-RB	A	20	Mold-on socket latch	.112" (2.84)	6.10	5.38	5.12
517-155220-6302-RB	155220-6302-RB	A	20	Press-on socket latch	.112" (2.84)	5.63	5.38	5.12
517-155220-6203-RB	155220-6203-RB	A	20	Mold-on socket latch	.155" (3.94)	6.10	5.38	5.12
517-155220-6303-RB	155220-6303-RB	A	20	Press-on socket latch	.155" (3.94)	5.63	5.38	5.12
517-155224-6202-RB	155224-6202-RB	A	24	Mold-on socket latch	.112" (2.84)	5.28	4.90	4.73
517-155224-6203-RB	155224-6203-RB	A	24	Mold-on socket latch	.155" (3.94)	6.12	5.85	5.55
517-155226-6202-RB	155226-6202-RB	A	26	Mold-on socket latch	.112" (2.84)	6.34	5.95	5.15
517-155226-6302-RB	155226-6302-RB	A	26	Press-on socket latch	.112" (2.84)	6.28	6.04	5.74
517-155226-6203-RB	155226-6203-RB	A	26	Mold-on socket latch	.155" (3.94)	6.64	6.33	6.03
517-155226-6303-RB	155226-6303-RB	A	26	Press-on socket latch	.155" (3.94)	6.28	6.04	5.74
517-155230-6202-RB	155230-6202-RB	A	30	Mold-on socket latch	.112" (2.84)	6.96	6.55	5.91
517-155230-6203-RB	155230-6203-RB	A	30	Mold-on socket latch	.155" (3.94)	7.66	7.31	6.96
517-155240-6202-RB	155240-6202-RB	A	40	Mold-on socket latch	.112" (2.84)	10.21	9.74	8.75
517-155240-6302-RB	155240-6302-RB	A	40	Press-on socket latch	.112" (2.84)	9.65	9.28	8.81
517-155240-6203-RB	155240-6203-RB	A	40	Mold-on socket latch	.155" (3.94)	10.21	9.74	9.28
517-155240-6303-RB	155240-6303-RB	A	40	Press-on socket latch	.155" (3.94)	9.65	9.28	8.81
517-155244-6202-RB	155244-6202-RB	A	44	Mold-on socket latch	.112" (2.84)	11.23	10.72	10.20
517-155244-6302-RB	155244-6302-RB	A	44	Press-on socket latch	.112" (2.84)	10.61	10.20	9.69
517-155244-6203-RB	155244-6203-RB	A	44	Mold-on socket latch	.155" (3.94)	11.23	10.72	10.20
517-155244-6303-RB	155244-6303-RB	A	44	Press-on socket latch	.155" (3.94)	10.61	10.20	9.69
517-155250-6202-RB	155250-6202-RB	A	50	Mold-on socket latch	.112" (2.84)	12.76	12.18	11.60
517-155250-6302-RB	155250-6302-RB	A	50	Press-on socket latch	.112" (2.84)	12.06	11.60	11.02
517-155250-6203-RB	155250-6203-RB	A	50	Mold-on socket latch	.155" (3.94)	12.76	12.18	11.60
517-155250-6303-RB	155250-6303-RB	A	50	Press-on socket latch	.155" (3.94)	12.06	11.60	11.02
1552 Series Right Angle Through Hole								
517-155210-5202-RB	155210-5202-RB	B	10	Mold-on socket latch	.112" (2.84)	5.90	5.15	4.86
517-155210-5302-RB	155210-5302-RB	B	10	Press-on socket latch	.112" (2.84)	5.25	5.15	4.86
517-155210-5203-RB	155210-5203-RB	B	10	Mold-on socket latch	.155" (3.94)	5.95	5.15	4.86
517-155210-5303-RB	155210-5303-RB	B	10	Press-on socket latch	.155" (3.94)	5.25	5.15	4.86
517-155212-5302-RB	155212-5302-RB	B	12	Press-on socket latch	.112" (2.84)	4.25	4.21	3.98
517-155212-5303-RB	155212-5303-RB	B	12	Press-on socket latch	.155" (3.94)	4.28	4.21	3.98
517-155216-5202-RB	155216-5202-RB	B	16	Mold-on socket latch	.112" (2.84)	6.05	5.58	5.31
517-155216-5203-RB	155216-5203-RB	B	16	Mold-on socket latch	.155" (3.94)	6.05	5.58	5.31
517-155220-5202-RB	155220-5202-RB	B	20	Mold-on socket latch	.112" (2.84)	6.75	5.95	5.64
517-155220-5302-RB	155220-5302-RB	B	20	Press-on socket latch	.112" (2.84)	6.20	5.95	5.64
517-155220-5203-RB	155220-5203-RB	B	20	Mold-on socket latch	.155" (3.94)	6.75	5.95	5.64
517-155220-5303-RB	155220-5303-RB	B	20	Press-on socket latch	.155" (3.94)	6.20	5.95	5.64
517-155224-5202-RB	155224-5202-RB	B	24	Mold-on socket latch	.112" (2.84)	6.76	6.45	6.14
517-155224-5203-RB	155224-5203-RB	B	24	Mold-on socket latch	.155" (3.94)	6.76	6.45	6.14
517-155226-5202-RB	155226-5202-RB	B	26	Mold-on socket latch	.112" (2.84)	7.32	6.99	6.66
517-155226-5302-RB	155226-5302-RB	B	26	Press-on socket latch	.112" (2.84)	6.93	6.66	6.33
517-155226-5203-RB	155226-5203-RB	B	26	Mold-on socket latch	.155" (3.94)	7.32	6.99	6.66
517-155226-5303-RB	155226-5303-RB	B	26	Press-on socket latch	.155" (3.94)	6.93	6.66	6.33
517-155230-5202-RB	155230-5202-RB	B	30	Mold-on socket latch	.112" (2.84)	8.45	8.15	7.68
517-155230-5203-RB	155230-5203-RB	B	30	Mold-on socket latch	.155" (3.94)	8.45	8.15	7.68
517-155240-5202-RB	155240-5202-RB	B	40	Mold-on socket latch	.112" (2.84)	11.26	10.75	10.24
517-155240-5302-RB	155240-5302-RB	B	40	Press-on socket latch	.112" (2.84)	10.65	10.24	9.73
517-155240-5203-RB	155240-5203-RB	B	40	Mold-on socket latch	.155" (3.94)	11.26	10.91	10.24
517-155240-5303-RB	155240-5303-RB	B	40	Press-on socket latch	.155" (3.94)	10.65	10.24	9.73
517-155244-5202-RB	155244-5202-RB	B	44	Mold-on socket latch	.112" (2.84)	12.39	11.83	11.26
517-155244-5302-RB	155244-5302-RB	B	44	Press-on socket latch	.112" (2.84)	11.71	11.26	10.69
517-155244-5203-RB	155244-5203-RB	B	44	Mold-on socket latch	.155" (3.94)	12.39	11.83	11.26
517-155244-5303-RB	155244-5303-RB	B	44	Press-on socket latch	.155" (3.94)	11.71	11.26	10.69
517-155250-5202-RB	155250-5202-RB	B	50	Mold-on socket latch	.112" (2.84)	14.08	13.44	12.80
517-155250-5302-RB	155250-5302-RB	B	50	Press-on socket latch	.112" (2.84)	13.31	12.80	12.16
517-155250-5203-RB	155250-5203-RB	B	50	Mold-on socket latch	.155" (3.94)	14.08	13.44	12.80
517-155250-5303-RB	155250-5303-RB	B	50	Press-on socket latch	.155" (3.94)	13.31	12.80	12.16
1552 Series Vertical Surface Mount								
517-155210-2200-RB	155210-2200-RB	C	10	Mold-on socket latch	- - -	6.31	6.11	5.74
517-155210-2300-RB	155210-2300-RB	C	10	Press-on socket latch	- - -	5.97	5.45	5.17
517-155212-2300-RB	155212-2300-RB	C	12	Press-on socket latch	- - -	5.20	4.96	4.72
517-155216-2200-RB	155216-2200-RB	C	16	Mold-on socket latch	- - -	7.15	6.62	6.30
517-155220-2200-RB	155220-2200-RB	C	20	Mold-on socket latch	- - -	7.30	7.05	6.64
517-155220-2300-RB	155220-2300-RB	C	20	Press-on socket latch	- - -	7.15	7.05	6.64
517-155224-2200-RB	155224-2200-RB	C	24	Mold-on socket latch	- - -	8.05	7.61	7.24
517-155226-2200-RB	155226-2200-RB	C	26	Mold-on socket latch	- - -	8.64	8.24	7.85
517-155226-2300-RB	155226-2300-RB	C	26	Press-on socket latch	- - -	8.17	7.86	7.47
517-155230-2200-RB	155230-2200-RB	C	30	Mold-on socket latch	- - -	9.97	9.51	9.06
517-155240-2200-RB	155240-2200-RB	C	40	Mold-on socket latch	- - -	13.29	12.68	12.08
517-155240-2300-RB	155240-2300-RB	C	40	Press-on socket latch	- - -	12.56	12.08	11.48
517-155244-2200-RB	155244-2200-RB	C	44	Mold-on socket latch	- - -	14.62	13.95	13.28
517-155244-2300-RB	155244-2300-RB	C	44	Press-on socket latch	- - -	13.81	13.28	12.62
517-155250-2200-RB	155250-2200-RB	C	50	Mold-on socket latch	- - -	16.61	15.86	15.10
517-155250-2300-RB	155250-2300-RB	C	50	Press-on socket latch	- - -	15.70	15.10	14.35

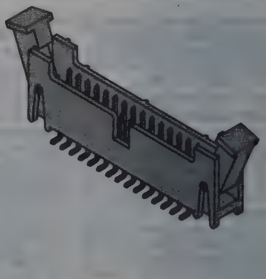
A



B



C



3M™ I/O SCR and 2.00mm IDC Connectors

SHIELDED COMPACT RIBBON (SCR) I/O CONNECTORS

Specifications:
- Current Rating: 1 A
- Voltage Rating: 150V (AC)/200V (DC)
- Insulation Resistance: > 5 x 108Ω at @ 500V (DC)
- Withstanding Voltage: 500V RMS for 1 minute
- Temperature Rating: -55°C to +85°C

Features:
- 360° Shielding for excellent EMI protection
- 10 Contacts can carry signal or power (up to 1 ampere per pin)
- Polarized to provide proper insertion
- RoHS Compliant per 3M documentation

NEW FROM SUPPLIER

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Each			
				1	10	25	50
Boardmount							
517-36110-2220-PE	36110-2220 PE	A	Plug, Right Angle, Through Hole	**5.67**	**5.40**	**5.13**	**4.86**
517-36110-1110-PL	36110-1110 PL	B	Plug, Vertical, Surfact Mount	**6.85**	**6.52**	**6.19**	**5.87**
Wiremount							
~~**517-36110-3000-FD**~~	36110-3000 FD	C	Plug, Accommodates up to 22 AWG Wire	**5.54**	**5.28**	**5.02**	**4.75**
~~**517-36310-F200-008**~~	36310-F200-008	D	Shell Kit for Wiremount Plug	**8.29**	**7.90**	**7.51**	**7.11**
517-36210-0100-FD	36210-0100 FD	E	Receptacle, Plating-0.2μm min gold, 2μm Sn solder tail	**3.68**	**3.50**	**3.33**	**3.15**
517-36210-0100-PL	36210-0100 PL	E	Receptacle, Plating-0.2μm min gold, Gold Flash tail	**3.68**	**3.50**	**3.33**	**3.15**
~~**517-36310-3200-008**~~	36310-3200-008	F	Shell Kit for Wiremount Receptacle	**7.46**	**7.10**	**6.75**	**6.39**

2.00MM IDC, WIREMOUNT MINI-CLAMP CONNECTORS - 371 AND 373 SERIES

Specifications:
- Flammability: UL94V-0
- Body Color: Black
- Contact Material: Copper Alloy
- Insulation Material: Nylon body, Polycarbonate cover
- Current Rating: 3.0 A
- Voltage Rating: 32 V
- Temperature Rating: -20°C to 85°C

Features:
- Operation by general tool "pliers" reduces tooling cost
- Latch enables rugged field termination
- RoHS Compliant per 3M documentation

Applications:
- Clinical Labs
- Gaming Machines
- Controller for LED displays
- Homeland Security
- X-Ray Machines
- Communication Networking Equipment

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Positions	Wire AWG	Cover Color	Wire Insulation OD (mm)	Price Each			
							1	10	25	50
Plug Connectors										
517-37103-2124-000-1	37103-2124-000 FL 100	G	3	20-22	Green	1.0 ~ 1 .2	**2.04**	**1.86**	**1.70**	**1.55**
517-37103-2165-000-1	37103-2165-000 FL 100	G	3	20-22	Blue	1.2 ~ 1 .6	**2.04**	**1.86**	**1.70**	**1.55**
517-37103-2206-000-1	37103-2206-000 FL 100	G	3	20-22	Gray	1.6 ~ 2 .0	**2.04**	**1.86**	**1.70**	**1.55**
517-37103-3101-000-1	37103-3101-000 FL 100	G	3	24-26	Red	0.8 ~ 1 .0	**2.04**	**1.86**	**1.70**	**1.55**
517-37103-3122-000-1	37103-3122-000 FL 100	G	3	24-26	Yellow	1.0 ~ 1 .2	**2.04**	**1.86**	**1.70**	**1.55**
517-37104-2124-000-1	37104-2124-000 FL 100	G	4	20-22	Green	1.0 ~ 1 .2	**2.43**	**2.22**	**2.02**	**1.85**
517-37104-2165-000-1	37104-2165-000 FL 100	G	4	20-22	Blue	1.2 ~ 1 .6	**2.43**	**2.22**	**2.02**	**1.85**
517-37104-2206-000-1	37104-2206-000 FL 100	G	4	20-22	Gray	1.6 ~ 2 .0	**2.43**	**2.22**	**2.02**	**1.85**
517-37104-3101-000-1	37104-3101-000 FL 100	G	4	24-26	Red	0.8 ~ 1 .0	**2.43**	**2.22**	**2.02**	**1.85**
517-37104-3122-000-1	37104-3122-000 FL 100	G	4	24-26	Yellow	1.0 ~ 1 .2	**2.43**	**2.22**	**2.02**	**1.85**
517-37104-3163-000-1	37104-3163-000 FL 100	G	4	24-26	Orange	1.2 ~ 1 .6	**2.43**	**2.22**	**2.02**	**1.85**
Socket Connectors without Latches										
517-37303-2165-000-1	37303-2165-000 FL 100	H	3	20-22	Blue	1.2 ~ 1.6	**2.18**	**2.00**	**1.82**	**1.66**
517-37303-2206-000-1	37303-2206-000 FL 100	H	3	20-22	Gray	1.6 ~ 2.0	**2.18**	**2.00**	**1.82**	**1.66**
517-37303-3101-000-1	37303-3101-000 FL 100	H	3	24-26	Red	0.8 ~ 1.0	**2.18**	**2.00**	**1.82**	**1.66**
517-37303-3163-000-1	37303-3163-000 FL 100	H	3	24-26	Orange	1.2 ~ 1.6	**2.18**	**2.00**	**1.82**	**1.66**
517-37304-2124-000-1	37304-2124-000 FL 100	H	4	20-22	Green	1.0 ~ 1.2	**2.62**	**2.39**	**2.18**	**1.99**
517-37304-2165-000-1	37304-2165-000 FL 100	H	4	20-22	Blue	1.2 ~ 1.6	**2.62**	**2.39**	**2.18**	**1.99**
517-37304-2206-000-1	37304-2206-000 FL 100	H	4	20-22	Gray	1.6 ~ 2.0	**2.62**	**2.39**	**2.18**	**1.99**
517-37304-3101-000-1	37304-3101-000 FL 100	H	4	24-26	Red	0.8 ~ 1.0	**2.62**	**2.39**	**2.18**	**1.99**
517-37304-3122-000-1	37304-3122-000 FL 100	H	4	24-26	Yellow	1.0 ~ 1.2	**2.62**	**2.39**	**2.18**	**1.99**
517-37304-3163-000-1	37304-3163-000 FL 100	H	4	24-26	Orange	1.2 ~ 1.6	**2.62**	**2.39**	**2.18**	**1.99**
Socket Connectors with Latches										
517-37304-2165-0P0-1	37304-2165-0P0 FL 100	I	4	20-22	Blue	1.2 ~ 1.6	**2.72**	**2.49**	**2.27**	**2.07**

2.00MM BOARDMOUNT MINI-CLAMP SOCKET CONNECTORS - 372 SERIES

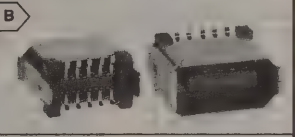
Specifications:
- Flammability: UL94V-0
- Color: Black
- Contact Material: Copper Alloy
- Insulation Material: Nylon
- Current Rating: 3.0 A
- Temperature Rating: -20°C to 85°C
- Voltage Rating: 32 V

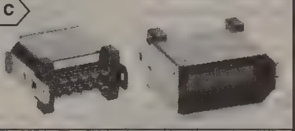
Features:
- Mates to 371 Series Plugs
- Straight Solder Tails
- Kinked contact pins for board retention.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	MOUSER RoHS Compliant STOCK NO.	3M Part No.	Fig.	No. of Positions	Type	Mating Plug Size	Price Each			
							1	10	25	50
Single Row										
- - - - - - - - - - -	**517-37203-62A3-003PL**	37203-62A3-003PL	J	3	A	3 Pos.	**1.37**	**1.25**	**1.14**	**1.04**
517-37203-62B3-003	**517-37203-62B3-003PL**	37203-62B3-003PL	K	3	B	3 Pos.	**1.37**	**1.25**	**1.14**	**1.04**
517-37204-62A3-004	**517-37204-62A3-004PL**	37204-62A3-004PL	J	4	A	4 Pos.	**1.56**	**1.43**	**1.30**	**1.19**
- - - - - - - - - - -	**517-37204-62B3-004PL**	37204-62B3-004PL	K	4	B	4 Pos.	**1.56**	**1.43**	**1.30**	**1.19**
4 Rows										
517-37212-62M3-003	**517-37212-62M3-003PL**	37212-62M3-003PL	L	12	M	3 Pos.	**2.72**	**2.49**	**2.27**	**2.07**
517-37216-62M3-004	**517-37216-62M3-004PL**	37216-62M3-004PL	L	16	M	4 Pos.	**2.72**	**2.49**	**2.27**	**2.07**

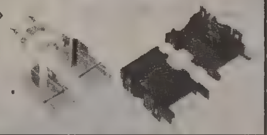
A

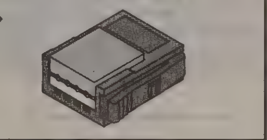
B


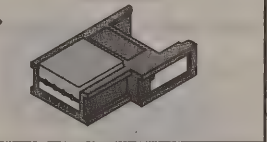
C


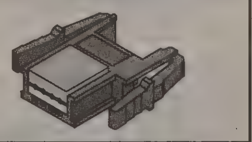
D

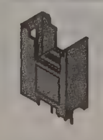
E

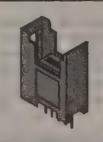
F


G


H


I


J


K


L

3M™ .050" Boardmount and Wiremount Connectors

RoHS Compliant This page of product is compliant.

.050" PAK 50 BOARDMOUNT CONNECTORS

Features:

- Insulation material: Glass Filled Nylon
- Flammability: UL 94V-0
- Color: Black
- Contact material: Phosphor Bronze
- Style: Vertical
- Termination: Solder Tail
- Current rating: 0.5 A
- Temperature rating: -55°C to +85°C
- Plating: 10μ" Gold
- Retention clips included
- RoHS Compliant per 3M documentation

RoHS Compliant

P50 Series Sockets

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-P50-020S-R1-EA	P50-020S-R1-EA	A	20	3.46	3.16	2.94	2.67
517-P50-026S-R1-EA	P50-026S-R1-EA	A	26	3.66	3.35	3.12	2.82
517-P50-030S-R1-EA	P50-030S-R1-EA	A	30	3.75	3.43	3.25	3.06
517-P50-040S-R1-EA	P50-040S-R1-EA	A	40	4.25	3.87	3.62	3.26
517-P50-050S-R1-EA	P50-050S-R1-EA	A	50	4.44	3.99	3.77	3.66
517-P50-080S-R1-EA	P50-080S-R1-EA	A	80	5.62	5.13	4.86	4.59
517-P50-100S-R1-EA	P50-100S-R1-EA	A	100	6.42	5.86	5.55	5.24

P50 Series Plugs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-P50-020P-R1-EA	P50-020P-R1-EA	B	20	3.45	3.16	2.88	2.63
517-P50-026P-R1-EA	P50-026P-R1-EA	B	26	3.67	3.40	3.11	2.82
517-P50-040P-R1-EA	P50-040P-R1-EA	B	40	3.62	3.30	3.08	2.78
517-P50-050P-R1-EA	P50-050P-R1-EA	B	50	4.62	4.22	3.93	3.56
517-P50-100P-R1-EA	P50-100P-R1-EA	B	100	6.40	5.86	5.46	4.94

.050" PAK 50 BOARDMOUNT PLUGS

Features:

- Mates to the P25E and P50E wiremount sockets
- Insulation material: Glass Filled Nylon
- Color: Black
- Contact material: Copper Alloy
- Style: Vertical
- Termination: Solder Tail
- Current rating: 0.5 A
- Temperature rating: -55°C to +85°C
- Plating: 10μ" Gold
- RoHS Compliant per 3M documentation

RoHS Compliant

P50E Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-P50E-020P1-S1-EA	P50E-020P1-S1-EA	B	20	3.17	2.89	2.64	2.41
517-P50E-026P1-S1-EA	P50E-026P1-S1-EA	B	26	3.50	3.19	2.92	2.66
517-P50E-030P1-S1-EA	P50E-030P1-S1-EA	B	30	3.71	3.39	3.03	2.94
517-P50E-050P1-S1-EA	P50E-050P1-S1-EA	B	50	4.90	4.10	3.99	3.85
517-P50E-080P1-S1-EA	P50E-080P1-S1-EA	B	80	6.62	6.05	5.64	5.09

.050" PAK 50 WIREMOUNT SOCKETS

Features:

- Wire Accomodation: .025" 30 AWG Stranded PVC Flat Ribbon Cable
- Compatible with 3M™ 3754 Series Cable
- Designed to mate with P50 series IDC boardmount connectors
- Latch/eject mechanism maintains a secure connection
- Insulation material: Glass Filled Nylon
- Color: Black
- Contact material: Phosphor Bronze
- Current rating: 0.5 A
- Temperature rating: -55°C to +85°C
- Plating: 10μ" Gold
- RoHS Compliant per 3M documentation

RoHS Compliant

P25E Series

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-P25E-020S-EA	P25E-020S-EA	C	20	10.16	8.71	8.23	7.74
517-P25E-040S-EA	P25E-040S-EA	C	40	12.61	11.51	10.49	9.58
517-P25E-050S-EA	P25E-050S-EA	C	50	12.77	10.94	10.34	9.73
517-P25E-080S-EA	P25E-080S-EA	C	80	14.49	12.42	11.73	11.04
517-P25E-100S-EA	P25E-100S-EA	C	100	15.51	13.43	12.68	11.80

Features:

- Wire Accomodation: .050" 28 AWG
- Stranded PVC Flat Ribbon Cable
- Compatible with 3M™ 3365 Series Cable
- Latch/eject mechanism maintains a secure connection
- Insulation material: Glass Filled LCP
- Color: Black
- Contact material: Copper Alloy
- Current rating: 0.5 A
- Temperature rating: -55°C to +85°C
- Plating: 10μ" Gold
- RoHS Compliant per 3M documentation

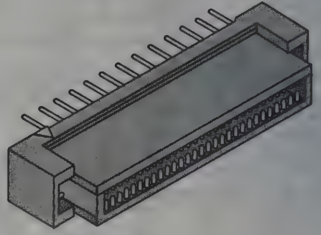
RoHS Compliant

P50E Series

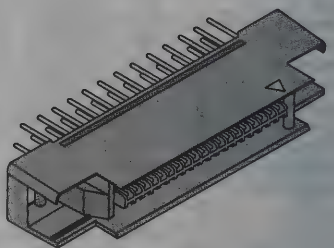
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each			
				1	25	50	100
517-P50E-020S-EA	P50E-020S-EA	C	20	9.11	7.81	7.38	6.94
517-P50E-040S-EA	P50E-040S-EA	C	40	10.88	9.32	8.81	8.29
517-P50E-050S-EA	P50E-050S-EA	C	50	11.59	9.94	9.38	8.83
517-P50E-080S-EA	P50E-080S-EA	C	80	15.40	13.85	12.75	11.84
517-P50E-100S-EA	P50E-100S-EA	C	100	17.68	15.16	14.31	13.47

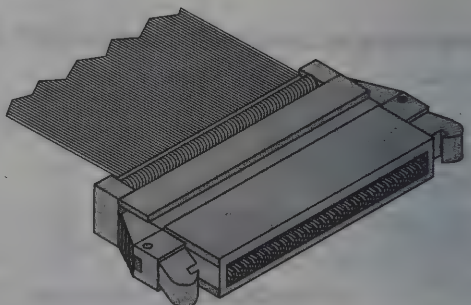
A



B



C



ADAM TECH FPC/FFC Connectors

ADAM TECH
Adam Technologies, Inc.

FPC/FFC CONNECTORS

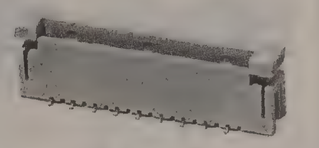
Adam Tech Flexible Printed Circuit and Flexible Flat Cable connectors are available in both LIF and ZIF styles. This series features multiple centerline pitches in single or dual rows with Thru-Hole or SMT mounting options. They are designed to be an easy and reliable connection of flexible printed circuits to a PCB. Our FPC/ FFC connectors are designed to produce a stable, high pressure connection while preserving circuit integrity.

RoHS Compliant

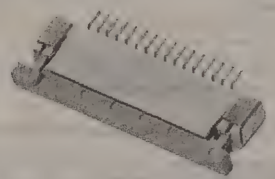
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Adam Tech Part No.	Fig.	No. of Circuits	Description	PCB Row Spacing	Price Each		
						1	10	100
.50mm (.020") Pitch - ZIF - SMT - Flex Thickness .3mm								
737-PCA-6-04-V-3	PCA-6-04-V-3	A	4	Top Entry	---	**.44**	**.40**	**.37**
737-PCA-6-06-V-3	PCA-6-06-V-3	A	6	Top Entry	---	**.66**	**.60**	**.55**
737-PCA-6-08-V-3	PCA-6-08-V-3	A	8	Top Entry	---	**.88**	**.80**	**.74**
737-PCA-6-10-V-3	PCA-6-10-V-3	A	10	Top Entry	---	**1.04**	**.94**	**.86**
737-PCA-6-12-V-3	PCA-6-12-V-3	A	12	Top Entry	---	**1.32**	**1.20**	**1.10**
737-PCA-6-14-V-3	PCA-6-14-V-3	A	14	Top Entry	---	**1.34**	**1.22**	**1.12**
737-PCA-6-16-V-3	PCA-6-16-V-3	A	16	Top Entry	---	**1.35**	**1.22**	**1.13**
737-PCA-6-18-V-3	PCA-6-18-V-3	A	18	Top Entry	---	**1.38**	**1.25**	**1.15**
737-PCA-6-20-V-3	PCA-6-20-V-3	A	20	Top Entry	---	**1.39**	**1.26**	**1.16**
737-PCA-6-30-V-3	PCA-6-30-V-3	A	30	Top Entry	---	**2.09**	**1.89**	**1.74**
737-PCA-6-08-HU-3	PCA-6-08-HU-3	B	8	R/A, Side Entry, Top Contacts	---	**.56**	**.50**	**.46**
737-PCA-6-12-HU-3	PCA-6-12-HU-3	B	12	R/A, Side Entry, Top Contacts	---	**.90**	**.82**	**.75**
737-PCA-6-14-HU-3	PCA-6-14-HU-3	B	14	R/A, Side Entry, Top Contacts	---	**.92**	**.83**	**.77**
737-PCA-6-20-HU-3	PCA-6-20-HU-3	B	20	R/A, Side Entry, Top Contacts	---	**1.30**	**1.17**	**1.08**
737-PCA-6-06-HL-3	PCA-6-06-HL-3	B	6	R/A, Side Entry, Bottom Contacts	---	**.56**	**.50**	**.46**
737-PCA-6-08-HL-3	PCA-6-08-HL-3	B	8	R/A, Side Entry, Bottom Contacts	---	**.75**	**.68**	**.62**
737-PCA-6-10-HL-3	PCA-6-10-HL-3	B	10	R/A, Side Entry, Bottom Contacts	---	**.88**	**.80**	**.74**
737-PCA-6-14-HL-3	PCA-6-14-HL-3	B	14	R/A, Side Entry, Bottom Contacts	---	**1.61**	**1.46**	**1.34**
737-PCA-6-18-HL-3	PCA-6-18-HL-3	B	18	R/A, Side Entry, Bottom Contacts	---	**1.65**	**1.49**	**1.38**
737-PCA-6-20-HL-3	PCA-6-20-HL-3	B	20	R/A, Side Entry, Bottom Contacts	---	**1.68**	**1.52**	**1.40**
737-PCA-6-22-HL-3	PCA-6-22-HL-3	B	22	R/A, Side Entry, Bottom Contacts	---	**2.22**	**2.00**	**1.88**
737-PCA-6-24-HL-3	PCA-6-24-HL-3	B	24	R/A, Side Entry, Bottom Contacts	---	**2.24**	**2.03**	**1.87**
737-PCA-6-28-HL-3	PCA-6-28-HL-3	B	28	R/A, Side Entry, Bottom Contacts	---	**2.28**	**2.07**	**1.90**
737-PCA-6-30-HL-3	PCA-6-30-HL-3	B	30	R/A, Side Entry, Bottom Contacts	---	**2.29**	**2.07**	**1.91**
1.00mm (.039") Pitch - ZIF - SMT - Flex Thickness .3mm								
737-PCA-2-04-V-3	PCA-2-04-V-3	A	4	Top Entry	---	**.59**	**.53**	**.49**
737-PCA-2-06-V-3	PCA-2-06-V-3	A	6	Top Entry	---	**.97**	**.88**	**.81**
737-PCA-2-08-V-3	PCA-2-08-V-3	A	8	Top Entry	---	**1.14**	**1.03**	**.95**
737-PCA-2-10-V-3	PCA-2-10-V-3	A	10	Top Entry	---	**1.31**	**1.19**	**1.10**
737-PCA-2-12-V-3	PCA-2-12-V-3	A	12	Top Entry	---	**1.50**	**1.35**	**1.25**
737-PCA-2-14-V-3	PCA-2-14-V-3	A	14	Top Entry	---	**1.90**	**1.72**	**1.58**
737-PCA-2-16-V-3	PCA-2-16-V-3	A	16	Top Entry	---	**2.40**	**2.17**	**2.00**
737-PCA-2-18-V-3	PCA-2-18-V-3	A	18	Top Entry	---	**2.57**	**2.33**	**2.14**
737-PCA-2-20-V-3	PCA-2-20-V-3	A	20	Top Entry	---	**2.58**	**2.34**	**2.15**
737-PCA-2-30-V-3	PCA-2-30-V-3	A	30	Top Entry	---	**2.60**	**2.35**	**2.17**
737-PCA-2-08-HU-3	PCA-2-08-HU-3	C	8	R/A, Top Contacts	---	**.64**	**.58**	**.54**
737-PCA-2-12-HU-3	PCA-2-12-HU-3	C	12	R/A, Top Contacts	---	**.94**	**.85**	**.78**
737-PCA-2-14-HU-3	PCA-2-14-HU-3	C	14	R/A, Top Contacts	---	**1.03**	**.93**	**.86**
737-PCA-2-20-HU-3	PCA-2-20-HU-3	C	20	R/A, Top Contacts	---	**1.40**	**1.27**	**1.17**
737-PCA-2-06-HL-3	PCA-2-06-HL-3	C	6	R/A, Bottom Contacts	---	**.61**	**.55**	**.51**
737-PCA-2-08-HL-3	PCA-2-08-HL-3	C	8	R/A, Bottom Contacts	---	**.70**	**.63**	**.58**
737-PCA-2-10-HL-3	PCA-2-10-HL-3	C	10	R/A, Bottom Contacts	---	**.79**	**.71**	**.66**
737-PCA-2-14-HL-3	PCA-2-14-HL-3	C	14	R/A, Bottom Contacts	---	**.97**	**.88**	**.81**
737-PCA-2-18-HL-3	PCA-2-18-HL-3	C	18	R/A, Bottom Contacts	---	**1.11**	**1.01**	**.93**
737-PCA-2-20-HL-3	PCA-2-20-HL-3	C	20	R/A, Bottom Contacts	---	**1.17**	**1.06**	**.97**
737-PCA-2-22-HL-3	PCA-2-22-HL-3	C	22	R/A, Bottom Contacts	---	**1.29**	**1.16**	**1.07**
737-PCA-2-24-HL-3	PCA-2-24-HL-3	C	24	R/A, Bottom Contacts	---	**1.34**	**1.22**	**1.12**
737-PCA-2-28-HL-3	PCA-2-28-HL-3	C	28	R/A, Bottom Contacts	---	**1.99**	**1.80**	**1.66**
737-PCA-2-30-HL-3	PCA-2-30-HL-3	C	30	R/A, Bottom Contacts	---	**1.52**	**1.38**	**1.27**
1.00mm (.039") Pitch - LIF - Thru-Hole								
737-PCB-C-04-T-20	PCB-C-04-T-20	D	4	Top Entry	2.0mm	**.31**	**.28**	**.26**
737-PCB-C-06-T-20	PCB-C-06-T-20	D	6	Top Entry	2.0mm	**.50**	**.45**	**.42**
737-PCB-C-08-T-20	PCB-C-08-T-20	D	8	Top Entry	2.0mm	**.56**	**.50**	**.46**
737-PCB-C-14-T-20	PCB-C-14-T-20	D	14	Top Entry	2.0mm	**.95**	**.86**	**.79**
737-PCB-C-16-T-20	PCB-C-16-T-20	D	16	Top Entry	2.0mm	**1.18**	**1.07**	**.98**
737-PCB-C-18-T-20	PCB-C-18-T-20	D	18	Top Entry	2.0mm	**1.29**	**1.16**	**1.07**
737-PCB-C-20-T-20	PCB-C-20-T-20	D	20	Top Entry	2.0mm	**1.43**	**1.29**	**1.19**
737-PCB-C-30-T-20	PCB-C-30-T-20	D	30	Top Entry	2.0mm	**2.14**	**1.94**	**1.78**
737-PCB-C-06-SA-20	PCB-C-06-SA-20	E	6	R/A, Side Entry	2.0mm	**.53**	**.48**	**.44**
737-PCB-C-08-SA-20	PCB-C-08-SA-20	E	8	R/A, Side Entry	2.0mm	**.60**	**.55**	**.50**
737-PCB-C-12-SA-20	PCB-C-12-SA-20	E	12	R/A, Side Entry	2.0mm	**.85**	**.77**	**.71**
737-PCB-C-14-SA-20	PCB-C-14-SA-20	E	14	R/A, Side Entry	2.0mm	**1.00**	**.90**	**.83**
737-PCB-C-16-SA-20	PCB-C-16-SA-20	E	16	R/A, Side Entry	2.0mm	**1.21**	**1.09**	**1.01**
737-PCB-C-18-SA-20	PCB-C-18-SA-20	E	18	R/A, Side Entry	2.0mm	**1.33**	**1.21**	**1.11**
737-PCB-C-20-SA-20	PCB-C-20-SA-20	E	20	R/A, Side Entry	2.0mm	**1.49**	**1.35**	**1.24**
737-PCB-C-30-SA-20	PCB-C-30-SA-20	E	30	R/A, Side Entry	2.0mm	**2.21**	**2.00**	**1.84**
1.25mm (.049") Pitch - ZIF - Thru-Hole - Flex Thickness .3mm								
737-PCA-1-04-V-3-20	PCA-1-04-V-3-20	F	4	Top Entry	2.0mm	**.77**	**.69**	**.64**
737-PCA-1-06-V-3-20	PCA-1-06-V-3-20	F	6	Top Entry	2.0mm	**1.14**	**1.03**	**.95**
737-PCA-1-08-V-3-20	PCA-1-08-V-3-20	F	8	Top Entry	2.0mm	**1.75**	**1.58**	**1.45**
737-PCA-1-10-V-3-20	PCA-1-10-V-3-20	F	10	Top Entry	2.0mm	**2.18**	**1.97**	**1.81**
737-PCA-1-12-V-3-20	PCA-1-12-V-3-20	F	12	Top Entry	2.0mm	**2.62**	**2.37**	**2.18**
737-PCA-1-14-V-3-20	PCA-1-14-V-3-20	F	14	Top Entry	2.0mm	**3.06**	**2.77**	**2.55**
737-PCA-1-16-V-3-20	PCA-1-16-V-3-20	F	16	Top Entry	2.0mm	**3.49**	**3.16**	**2.91**
737-PCA-1-18-V-3-20	PCA-1-18-V-3-20	F	18	Top Entry	2.0mm	**3.92**	**3.55**	**3.27**
737-PCA-1-20-V-3-20	PCA-1-20-V-3-20	F	20	Top Entry	2.0mm	**4.37**	**3.95**	**3.64**
737-PCA-1-30-V-3-20	PCA-1-30-V-3-20	F	30	Top Entry	2.0mm	**6.54**	**5.92**	**5.45**
737-PCA-1-08-HU-3-50	PCA-1-08-HU-3-50	G	8	R/A, Side Entry, Top Contacts	5.0mm	**1.03**	**.93**	**.86**
737-PCA-1-12-HU-3-50	PCA-1-12-HU-3-50	G	12	R/A, Side Entry, Top Contacts	5.0mm	**2.14**	**1.94**	**1.78**
737-PCA-1-14-HU-3-50	PCA-1-14-HU-3-50	G	14	R/A, Side Entry, Top Contacts	5.0mm	**2.48**	**2.25**	**2.07**
737-PCA-1-20-HU-3-50	PCA-1-20-HU-3-50	G	20	R/A, Side Entry, Top Contacts	5.0mm	**3.55**	**3.21**	**2.96**
737-PCA-1-06-HL-3-50	PCA-1-06-HL-3-50	G	6	R/A, Side Entry, Bottom Contacts	5.0mm	**1.06**	**.96**	**.89**
737-PCA-1-10-HL-3-50	PCA-1-10-HL-3-50	G	10	R/A, Side Entry, Bottom Contacts	5.0mm	**1.79**	**1.62**	**1.49**
737-PCA-1-14-HL-3-50	PCA-1-14-HL-3-50	G	14	R/A, Side Entry, Bottom Contacts	5.0mm	**2.48**	**2.25**	**2.07**
737-PCA-1-18-HL-3-50	PCA-1-18-HL-3-50	G	18	R/A, Side Entry, Bottom Contacts	5.0mm	**3.19**	**2.89**	**2.66**
737-PCA-1-20-HL-3-50	PCA-1-20-HL-3-50	G	20	R/A, Side Entry, Bottom Contacts	5.0mm	**3.55**	**3.21**	**2.96**
737-PCA-1-22-HL-3-50	PCA-1-22-HL-3-50	G	22	R/A, Side Entry, Bottom Contacts	5.0mm	**3.90**	**3.53**	**3.25**
737-PCA-1-24-HL-3-50	PCA-1-24-HL-3-50	G	24	R/A, Side Entry, Bottom Contacts	5.0mm	**4.26**	**3.85**	**3.55**
737-PCA-1-28-HL-3-50	PCA-1-28-HL-3-50	G	28	R/A, Side Entry, Bottom Contacts	5.0mm	**4.97**	**4.50**	**4.14**
737-PCA-1-30-HL-3-50	PCA-1-30-HL-3-50	G	30	R/A, Side Entry, Bottom Contacts	5.0mm	**5.32**	**4.82**	**4.44**

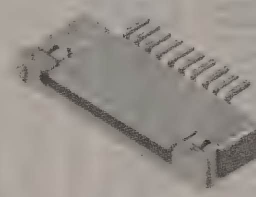
A



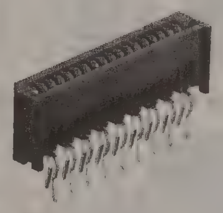
B



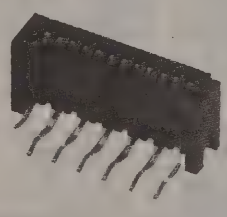
C



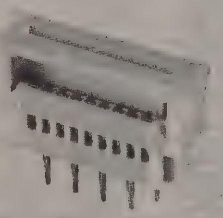
D



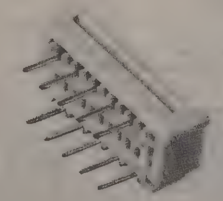
E



F

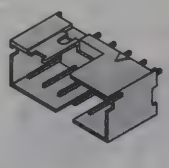


G

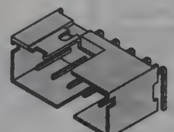


AMPMODU™ Standard Profile Headers

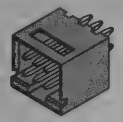
A



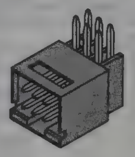
B



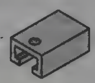
C



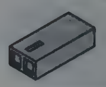
D



E



F



STANDARD PROFILE HEADERS - .100" (2.54MM) CENTERS

Material:

- Housing: UL94V-0, Blk Thermoplastic
- .100" (2.54mm) Centers
- .025" Sq. Straight or Right-Angle Post
- Shrouded
- Post: Copper Alloy, plated as follows:s

∗ Contact Plating:

1 = Duplex plated .000030 min. gold on contact area. .0001 ~ .0002 min. tin-lead on solder area, w/ entire post underplated .000050 min. nickel.
2 = Duplex plated .000015 min. gold on contact area. .0001 ~ .0002 min. tin-lead on solder area, w/ entire post underplated .000050 min. nickel.
3 = .000100 ~ .000200 tin-lead over .000050 nickel on entire post.

.025" Sq. Straight Posts, w/ standoffs - Single Row

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	∗ Contact Plating	Price Each	
						1	25
571-1034141	103414-1	A	3	10.67	1	1.52	1.37
571-31022024	3-102202-4	A	3	10.67	2	1.42	1.27
571-1030801	103080-1	A	3	10.67	3	1.42	1.28
571-1034142	103414-2	A	4	13.21	1	1.62	1.46
571-1022021	102202-1	A	4	13.21	2	1.47	1.32
571-1030802	103080-2	A	4	13.21	3	1.54	1.39
571-1034143	103414-3	A	5	15.75	1	2.12	1.91
571-1022022	102202-2	A	5	15.75	2	1.78	1.61
571-1022023	102202-3	A	6	18.29	2	2.06	1.85
571-1034146	103414-6	A	8	23.37	1	2.40	2.16
571-1022025	102202-5	A	8	23.37	2	2.24	2.02
571-1034148	103414-8	A	10	28.45	1	2.60	2.34
571-1022027	102202-7	A	10	28.45	2	2.48	2.23
571-11034140	1-103414-0	A	12	33.53	1	3.02	2.72
571-11034142	1-103414-2	A	14	38.61	1	3.24	2.92
571-11022021	1-102202-1	A	14	38.61	2	3.10	2.79
571-11022023	1-102202-3	A	16	43.69	2	3.38	3.04
571-11030804	1-103080-4	A	16	43.69	3	5.00	4.76
571-11022027	1-102202-7	A	20	53.85	2	4.10	3.69

.025" Sq. Right-Angle Posts, w/ standoffs - Single Row

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	∗ Contact Plating	Price Each	
						1	25
571-31022034	3-102203-4	B	3	10.67	2	1.47	1.32
571-1025232	102523-2	B	3	10.67	3	1.36	1.22
571-1033612	103361-2	B	4	13.21	1	1.84	1.66
571-1022031	102203-1	B	4	13.21	2	1.63	1.46
571-1025231	102523-1	B	4	13.21	3	1.42	1.28
571-1022032	102203-2	B	5	15.75	2	2.00	1.80
571-1033614	103361-4	B	6	18.29	1	2.12	1.91
571-1022033	102203-3	B	6	18.29	2	2.06	1.85
571-1033616	103361-6	B	8	23.37	1	2.54	2.29

.025" Sq. Straight Post, w/ Detent Windows, .066" End Dim. - Double Row

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	∗Contact Plating	Price Each	
						1	25
571-1031681	103168-1	C	6	10.46	1	1.58	1.42
571-102618-1	102618-1	C	6	10.46	2	1.30	1.17
571-1031682	103168-2	C	8	13.00	1	2.02	1.82
571-102618-2	102618-2	C	8	13.00	2	2.55	2.37
571-3875895	3-87589-5	C	8	13.00	3	1.42	1.28
571-1031683	103168-3	C	10	15.54	1	2.48	2.23
571-1026183	102618-3	C	10	15.54	2	1.96	1.76
571-1031684	103168-4	C	12	18.08	1	2.84	2.56
571-1026184	102618-4	C	12	18.08	2	1.89	1.70
571-1031685	103168-5	C	14	20.62	1	3.22	2.90
571-1031686	103168-6	C	16	23.16	1	3.56	3.20
571-875894	87589-4	C	16	23.16	3	2.26	2.03
571-1031688	103168-8	C	20	28.24	1	4.40	3.96
571-1026188	102618-8	C	20	28.24	2	3.30	2.97

.025" Sq. Straight Post, w/ Detent Windows, .066" End Dim. - Double Row (cont.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	∗Contact Plating	Price Each	
						1	25
571-11026180	1-102618-0	C	24	33.32	2	3.90	3.51
571-11031681	1-103168-1	C	26	35.86	1	5.52	4.97
571-11026183	1-102618-3	C	30	40.94	2	4.72	4.25
571-11026185	1-102618-5	C	34	46.02	2	7.40	6.66
571-1875896	1-87589-6	C	40	53.64	3	6.84	6.16
571-21031683	2-103168-3	C	50	66.34	1	10.28	9.25
571-1031681	103168-1	C	6	10.46	1	1.58	1.42
571-1031661	103166-1	D	6	10.46	1	1.66	1.49
571-1026171	102617-1	D	6	10.46	2	1.40	1.26
571-1031662	103166-2	D	8	13.00	1	2.16	1.94
571-1026172	102617-2	D	8	13.00	2	1.76	1.58
571-103166-3	103166-3	D	10	15.54	1	2.54	2.29
571-875792	87579-2	D	10	15.54	3	1.80	1.62
571-1031664	103166-4	D	12	18.08	1	2.80	2.52
571-1026175	102617-5	D	14	20.62	2	2.62	2.36
571-1026176	102617-6	D	16	23.16	2	2.88	2.59
571-1031667	103166-7	D	18	25.70	1	4.08	3.67
571-1026177	102617-7	D	18	25.70	2	3.18	2.86
571-875796	87579-6	D	18	25.70	3	2.62	2.36
571-875797	87579-7	D	20	28.24	3	3.09	2.94
571-11026170	1-102617-0	D	24	33.32	2	5.02	4.52

.025" Sq. Straight Post, with Detent Windows, .150" End Dimension - Double Row

For quantities of 50 and up, call for quote.

571-1031691	103169-1	C	6	14.73	1	1.54	1.39
571-1026191	102619-1	C	6	14.73	2	1.62	1.46
571-1031692	103169-2	C	8	17.27	1	2.02	1.82
571-1026192	102619-2	C	8	17.27	2	1.70	1.53
571-1031693	103169-3	C	10	19.81	1	2.40	2.16
571-1026193	102619-3	C	10	19.81	2	1.96	1.76
571-1031694	103169-4	C	12	22.35	1	2.74	2.47
571-1031695	103169-5	C	14	24.89	1	3.12	2.81
571-1026195	102619-5	C	14	24.89	2	2.48	2.23
571-1031698	103169-8	C	20	32.51	1	3.99	3.59
571-1026198	102619-8	C	20	32.51	2	3.30	2.97
571-11031690	1-103169-0	C	24	37.59	1	6.50	5.85
571-11031693	1-103169-3	C	30	45.21	1	8.44	7.60
571-11026193	1-102619-3	C	30	45.21	2	4.70	4.23
571-11031695	1-103169-5	C	34	50.29	1	9.54	8.59
571-11026195	1-102619-5	C	34	50.29	2	7.40	6.66
571-11031698	1-103169-8	C	40	57.91	1	11.20	10.08

.025" Sq. Right-Angle Post, with Detent Windows, .150" End Dimension - Double Row

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	∗Contact Plating	Price Each	
						1	25
571-1031672	103167-2	D	10	19.81	1	2.48	2.23
571-1031673	103167-3	D	12	22.35	1	2.80	2.52
571-1031675	103167-5	D	16	27.43	1	3.80	3.42
571-1031677	103167-7	D	20	32.51	1	4.09	3.68
571-11025700	1-102570-0	D	24	37.59	2	5.42	4.88
571-11031670	1-103167-0	D	26	40.13	1	5.52	4.97

SHUNTS

- Packaged: strips of 10, priced individually
- Housing: 94V-0 glass-filled black thermoplastic
- .100" centerlines
- Contacts: phosphor bronze

2 Position, Low Profile Shunt

For quantities of 500 and up, call for quote.

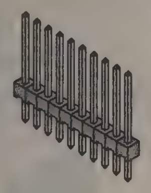
MOUSER STOCK NO.	AMP Part No.	Fig.	Plating	Price Each	
				1	100
571-3828115	382811-5	E	Tin	.17	.14

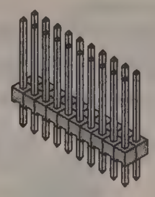
Dual Beam Shunts

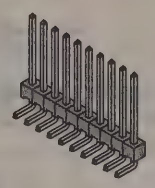
For quantities of 500 and up, call for quote.

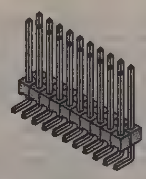
MOUSER STOCK NO.	AMP Part No.	Fig.	Plating	Price Each	
				1	100
571-3900881	390088-1	F	30μ" gold	.34	.29
571-3900882	390088-2	F	15μ" gold	.28	.24

AMPMODU™ Breakaway Headers

A


B


C


D


AMPMODU™ BREAKAWAY HEADERS - SINGLE AND DOUBLE ROW

.025" Square Straight Posts

Material:

- Housing: UL94V-0 black thermoplastic
- Post: phosphor bronze
- .100" (2.54mm) Centers
- Unshrouded

*** Contact Plating:**

Plating A = Duplex plated .000030 min. gold on contact area. .0001 - .0002 min. tin-lead on solder area, with entire post underplated .00005 min. nickel.
Plating B = Duplex plated .000015 min. gold on contact area. .0001 - .0002 min. tin-lead on solder area, with entire post underplated .00005 min. nickel.
Plating C = .0001 - .0002 min. tin-lead over .00005 nickel on entire post.

Vertical - Single Row, .100 Centerline

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Length		* Contact Plating	Price Each		
				Post	Tail		1	100	500
571-1032392	103239-2	A	2	0.230	0.120	A	.20	.18	.16
571-1032393	103239-3	A	3	0.230	0.120	A	.30	.27	.26
571-1032394	103239-4	A	4	0.230	0.120	A	.43	.37	.35
571-1032395	103239-5	A	5	0.230	0.120	A	.51	.46	.43
571-1032396	103239-6	A	6	0.230	0.120	A	.61	.55	.52
571-1032398	103239-8	A	8	0.230	0.120	A	.81	.73	.69
571-11032390	1-103239-0	A	10	0.230	0.120	A	1.01	.91	.86
571-21032390	2-103239-0	A	20	0.230	0.120	A	2.02	1.82	1.72
571-41032390	4-103239-0	A	40	0.230	0.120	A	1.53	1.38	1.30
571-1031852	103185-2	A	2	0.230	0.120	B	.18	.15	.13
571-1031853	103185-3	A	3	0.230	0.120	B	.21	.18	.17
571-1031854	103185-4	A	4	0.230	0.120	B	.37	.33	.31
571-1031855	103185-5	A	5	0.230	0.120	B	.46	.42	.39
571-1031856	103185-6	A	6	0.230	0.120	B	.55	.50	.47
571-1031857	103185-7	A	7	0.230	0.120	B	.65	.58	.55
571-21031850	2-103185-0	A	20	0.230	0.120	B	1.85	1.66	1.57
571-41031850	4-103185-0	A	40	0.230	0.120	B	1.40	1.26	1.19
571-1033272	103327-2	A	2	0.230	0.120	C	.19	.18	.17
571-1033273	103327-3	A	3	0.230	0.120	C	.20	.18	.17
571-1033274	103327-4	A	4	0.230	0.120	C	.26	.24	.22
571-1033275	103327-5	A	5	0.230	0.120	C	.33	.30	.28
571-1033276	103327-6	A	6	0.230	0.120	C	.29	.26	.25
571-1033278	103327-8	A	8	0.230	0.120	C	.53	.48	.45
571-11033270	1-103327-0	A	10	0.230	0.120	C	.66	.59	.56
571-41033270	4-103327-0	A	40	0.230	0.120	C	1.00	.90	.85
571-1029762	102976-2	A	2	0.318	0.125	A	.25	.23	.21
571-1029763	102976-3	A	3	0.318	0.125	A	.33	.30	.28
571-1029764	102976-4	A	4	0.318	0.125	A	.44	.40	.37
571-1029765	102976-5	A	5	0.318	0.125	A	.55	.49	.47
571-1029766	102976-6	A	6	0.318	0.125	A	.66	.59	.56
571-11029760	1-102976-0	A	10	0.318	0.125	A	.81	.73	.69
571-21029760	2-102976-0	A	20	0.318	0.125	A	2.20	1.98	1.87
571-41029760	4-102976-0	A	40	0.318	0.125	A	1.66	1.49	1.41
571-1029722	102972-2	A	2	0.318	0.125	B	.19	.17	.16
571-1029725	102972-5	A	5	0.318	0.125	B	.48	.44	.41
571-1029726	102972-6	A	6	0.318	0.125	B	.58	.52	.49
571-11029720	1-102972-0	A	10	0.318	0.125	B	.97	.87	.82
571-21029720	2-102972-0	A	20	0.318	0.125	B	1.94	1.74	1.64
571-41029720	4-102972-0	A	40	0.318	0.125	B	1.46	1.32	1.24
571-1033212	103321-2	A	2	0.318	0.125	C	.14	.11	.10
571-1033213	103321-3	A	3	0.318	0.125	C	.21	.20	.19
571-1033214	103321-4	A	4	0.318	0.125	C	.25	.24	.23
571-1033216	103321-6	A	6	0.318	0.125	C	.42	.38	.36
571-41033210	4-103321-0	A	40	0.318	0.125	C	1.06	.96	.90

Vertical - Double Row, .100 x .100 Centerline

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Length		* Contact Plating	Price Each		
				Post	Tail		1	100	500
571-1032402	103240-2	B	4	0.230	0.120	A	.32	.30	.26
571-1032403	103240-3	B	6	0.230	0.120	A	.45	.40	.38
571-1032404	103240-4	B	8	0.230	0.120	A	.60	.54	.51
571-1032405	103240-5	B	10	0.230	0.120	A	.65	.60	.57
571-1032406	103240-6	B	12	0.230	0.120	A	.90	.81	.76
571-1032407	103240-7	B	14	0.230	0.120	A	1.05	.94	.89
571-1032408	103240-8	B	16	0.230	0.120	A	1.20	1.08	1.02
571-11032400	1-103240-0	B	20	0.230	0.120	A	1.60	1.53	1.37
571-21032400	2-103240-0	B	40	0.230	0.120	A	2.99	2.72	2.64
571-41032400	4-103240-0	B	80	0.230	0.120	A	2.26	2.03	1.92
571-1031862	103186-2	B	4	0.230	0.120	B	.26	.24	.22
571-1031863	103186-3	B	6	0.230	0.120	B	.40	.36	.34
571-1031864	103186-4	B	8	0.230	0.120	B	.53	.48	.45

Vertical - Double Row, .100 x .100 Centerline (Cont.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Length		* Contact Plating	Price Each		
				Post	Tail		1	100	500
571-1031865	103186-5	B	10	0.230	0.120	B	.66	.59	.56
571-1031866	103186-6	B	12	0.230	0.120	B	.79	.71	.67
571-1031868	103186-8	B	16	0.230	0.120	B	1.06	.95	.90
571-11031860	1-103186-0	B	20	0.230	0.120	B	1.32	1.19	1.12
571-21031860	2-103186-0	B	40	0.230	0.120	B	2.64	2.37	2.24
571-41031860	4-103186-0	B	80	0.230	0.120	B	1.99	1.79	1.69
571-1033282	103328-2	B	4	0.230	0.120	C	.21	.19	.18
571-1033283	103328-3	B	6	0.230	0.120	C	.32	.28	.27
571-1033284	103328-4	B	8	0.230	0.120	C	.42	.38	.36
571-1033285	103328-5	B	10	0.230	0.120	C	.53	.48	.45
571-1033286	103328-6	B	12	0.230	0.120	C	.63	.57	.54
571-1033287	103328-7	B	14	0.230	0.120	C	.74	.66	.63
571-1033288	103328-8	B	16	0.230	0.120	C	.90	.86	.77
571-21033280	2-103328-0	B	40	0.230	0.120	C	2.31	1.90	1.79
571-41033280	4-103328-0	B	80	0.230	0.120	C	1.59	1.43	1.36
571-1029773	102977-3	B	6	0.318	0.125	A	.48	.45	.42
571-1029774	102977-4	B	8	0.318	0.125	A	.63	.57	.54
571-1029775	102977-5	B	10	0.318	0.125	A	.79	.71	.67
571-1029776	102977-6	B	12	0.318	0.125	A	.95	.85	.81
571-1029777	102977-7	B	14	0.318	0.125	A	1.11	1.00	.97
571-1029778	102977-8	B	16	0.318	0.125	A	1.27	1.14	1.08
571-21029770	2-102977-0	B	40	0.318	0.125	A	3.17	2.85	2.69
571-41029770	4-102977-0	B	80	0.318	0.125	A	2.39	2.15	2.03
571-1029733	102973-3	B	6	0.318	0.125	B	.42	.38	.36
571-1029738	102973-8	B	16	0.318	0.125	B	1.13	1.01	.96
571-21029730	2-102973-0	B	40	0.318	0.125	B	2.81	2.53	2.39
571-41029730	4-102973-0	B	80	0.318	0.125	B	2.13	1.91	1.81
571-1033227	103322-7	B	14	0.318	0.125	C	1.68	1.62	1.56
571-21033220	2-103322-0	B	40	0.318	0.125	C	2.29	2.06	1.94
571-41033220	4-103322-0	B	80	0.318	0.125	C	1.73	1.55	1.47

Right Angle Posts, Single Row, .100" Centers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Length		* Contact Plating	Price Each		
				Post	Tail		1	100	500
571-41031480	4-103148-0	C	40	.230	.120	A	1.79	1.61	1.52
571-41033290	4-103329-0	C	40	.230	.120	C	1.40	1.26	1.19
571-41029780	4-102978-0	C	40	.318	.110	A	1.93	1.73	1.64
571-41033230	4-103323-0	C	40	.318	.110	C	1.46	1.32	1.24

Right Angle Posts, Double Row, .100" x .100" Centers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Length		* Contact Plating	Price Each		
				Post	Tail		1	100	500
571-41031490	4-103149-0	D	80	.230	.120	A	2.79	2.51	2.37
571-41033300	4-103330-0	D	80	.230	.120	C	2.39	2.15	2.03
571-41029790	4-102979-0	D	80	.318	.110	A	2.92	2.63	2.48
571-41033240	4-103324-0	D	80	.318	.110	C	2.52	2.27	2.15

AMPMODU™ Standard Profile Headers

STANDARD PROFILE HEADERS UNSHROUDED .100" (2.54MM) CENTERS

Material:

- Housing: Black Thermoplastic, flame retardant, UL94V-0 rated.
- Posts: Copper Alloy, plating below:
  Mating length for single and double row is .318 (8.08).
- RoHS compliant per Tyco Electronics documentation

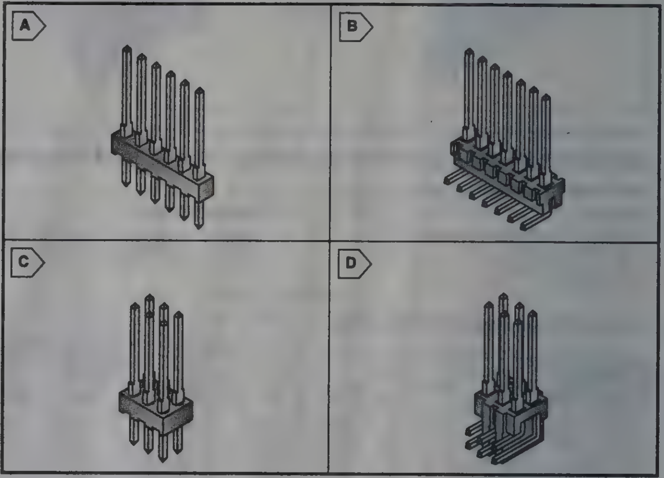
*** Contact Plating:**

1= Selectively plated .00003 (0.00076) gold on contact area, with gold flash over .000050 (0.00127) nickel on entire post.
2= Selectively plated .000015 (0.00038) gold on contact area, with gold flash over .000050 (0.00127) nickel on entire post.

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*Contact Plating	Price Each	
						1	25
.025" Square Straight Posts - Single Row							
571-872241	87224-1	A	1	2.13	2	.44	.40
571-872202	87220-2	A	2	4.67	1	1.07	.99
571-872242	87224-2	A	2	4.67	2	.96	.88
571-87220-3	87220-3	A	3	7.21	1	1.00	.90
571-872243	87224-3	A	3	7.21	2	1.04	.97
571-872244	87224-4	A	4	9.75	2	1.08	.97
571-872207	87220-7	A	7	17.37	1	2.22	2.00
571-872208	87220-8	A	8	19.91	1	2.44	2.20
571-872248	87224-8	A	8	19.91	2	1.94	1.75
571-1872200	1-87220-0	A	10	24.99	1	3.80	3.38
571-1872240	1-87224-0	A	10	24.99	2	2.44	2.20
571-2872240	2-87224-0	A	20	50.39	2	4.56	4.10
571-4872240	4-87224-0	A	40	101.19	2	8.92	8.03
.025" Square Right-Angle Post - Single Row							
571-872328	87232-8	B	8	19.91	1	2.68	2.41
571-1872330	1-87233-0	B	10	24.99	2	3.02	2.72
.025" Square Straight Post - Double Row							
571-1872150	1-87215-0	C	2	2.13	1	.82	.74
571-872271	87227-1	C	2	2.13	2	.76	.68
571-1872151	1-87215-1	C	4	4.67	1	1.42	1.28
571-872272	87227-2	C	4	4.67	2	1.20	1.08
571-1872152	1-87215-2	C	6	7.21	1	2.32	2.19
571-872273	87227-3	C	6	7.21	2	1.96	1.85
571-872151	87215-1	C	8	9.75	1	2.20	1.98
571-872274	87227-4	C	8	9.75	2	1.70	1.53
571-872152	87215-2	C	10	12.29	1	2.86	2.57
571-872275	87227-5	C	10	12.29	2	2.96	2.54
571-872154	87215-4	C	14	17.37	1	3.82	3.44
571-872277	87227-7	C	14	17.37	2	2.98	2.68
571-872155	87215-5	C	16	19.91	1	4.32	3.89
571-872278	87227-8	C	16	19.91	2	3.44	3.10
571-872157	87215-7	C	20	24.99	1	4.78	4.30
571-1872270	1-87227-0	C	20	24.99	2	4.24	3.82
571-872159	87215-9	C	26	32.61	1	6.98	6.28
571-1872273	1-87227-3	C	26	32.61	2	5.44	4.90
571-1872157	1-87215-7	C	34	42.77	1	8.98	8.08
571-1872277	1-87227-7	C	34	42.77	2	7.58	7.22
571-2872155	2-87215-5	C	50	63.09	1	13.26	11.93
571-3872150	3-87215-0	C	60	75.79	1	18.52	16.67



.025" Square Right-Angle Post - Double Row

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	*Contact Plating	Price Each	
						1	25
571-872303	87230-3	D	6	7.21	2	1.34	1.21
571-872304	87230-4	D	8	9.75	2	1.76	1.58
571-872305	87230-5	D	10	12.29	2	2.36	2.12
571-872306	87230-6	D	12	14.83	2	2.98	2.68
571-872307	87230-7	D	14	17.37	2	3.44	3.10
571-864792	86479-2	D	16	19.91	1	4.54	4.09
571-872308	87230-8	D	16	19.91	2	3.54	3.19
571-1872300	1-87230-0	D	20	24.99	2	4.32	3.89
571-1872302	1-87230-2	D	24	30.07	2	5.68	5.11

AMP-LATCH NOVO CONNECTORS

RoHS Compliant

Features:

- Mates with .025" square or round pin, .245" max. post length
- IDC for fast, economical mass termination
- Tuning fork contact offers a military approved design at an economical cost
- RoHS compliant per Tyco Electronics documentation

Specifications:

- Current rating: 1A per contact max.
- Insulation resistance: 5000MΩ min.
- Termination resistance: 15mΩ max.
- Operating temperature range: -65°C to +105°C

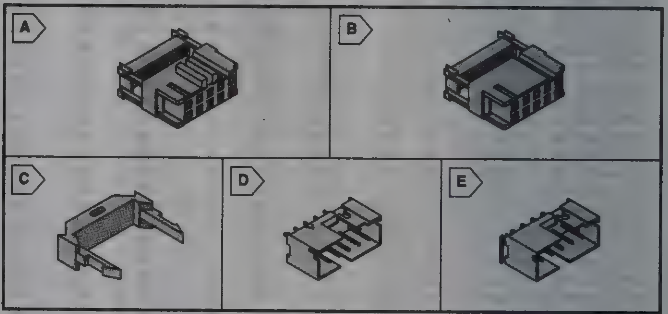
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Center / Military Polarized Receptacles						
571-1658621-1	1658621-1	A	10	1.86	.96	.91
571-1658621-2	1658621-2	A	14	1.56	1.40	1.32
571-1658621-3	1658621-3	A	16	1.64	1.47	1.39
571-1658621-4	1658621-4	A	20	1.50	1.35	1.27
571-1658621-5	1658621-5	A	24	1.85	1.67	1.57
571-1658621-6	1658621-6	A	26	1.85	1.67	1.57
571-1658621-7	1658621-7	A	30	2.07	1.86	1.76
571-1658621-8	1658621-8	A	34	2.07	1.86	1.76
571-1658621-9	1658621-9	A	40	2.28	2.05	1.94
571-1-1658621-1	1-1658621-1	A	60	3.56	3.21	3.03
Military Polarized Receptacles						
571-1658620-1	1658620-1	B	10	.96	.91	.72
571-1658620-2	1658620-2	B	14	1.45	1.36	1.07
571-1658620-3	1658620-3	B	16	1.50	1.42	1.04
571-1658620-4	1658620-4	B	20	1.56	1.45	1.08
571-1658620-5	1658620-5	B	24	1.85	1.67	1.57
571-1658620-6	1658620-6	B	26	1.85	1.67	1.57
571-1658620-7	1658620-7	B	30	2.38	2.14	2.02
571-1658620-8	1658620-8	B	34	2.07	1.86	1.76
571-1658620-9	1658620-9	B	40	2.28	2.05	1.94
571-1-1658620-0	1-1658620-0	B	50	2.78	2.50	2.36

Strain Reliefs

For quantities of 500 and up, call for quote.

571-4992525	499252-5	C	10	.19	.18	.17
571-4992529	499252-9	C	14	.17	.15	.14
571-4992528	499252-8	C	16	.19	.18	.17
571-499252-2	499252-2	C	20	.17	.15	.14
571-14992520	1-499252-0	C	24	.27	.24	.23
571-499252-3	499252-3	C	26	.20	.19	.18
571-14992522	1-499252-2	C	30	.20	.19	.18
571-4992526	499252-6	C	34	.33	.29	.24
571-4992521	499252-1	C	40	.23	.21	.20
571-4992524	499252-4	C	50	.33	.29	.24
571-4992527	499252-7	C	60	.30	.27	.25



AMP-LATCH HEADERS

Low Profile Headers - Shrouded Double Row

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER Non-RoHS STOCK NO.	MOUSER RoHS COMPLIANT STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Width (mm)	Contact Plating *	Price Each	
							1	10
Vertical, .100" x .100" Centers, w/ .150 End Dimension								
571-1033091	571-5103309-1	5103309-1	D	10	20.32	1	.83	.76
571-1033092	571-5103309-2	5103309-2	D	14	25.40	1	.94	.85
571-1033093	571-5103309-3	5103309-3	D	16	27.94	1	2.45	2.39
571-1033095	571-5103309-5	5103309-5	D	20	33.02	1	1.53	1.37
571-1033096	571-5103309-6	5103309-6	D	26	40.64	1	1.80	1.62
571-1033097	571-5103309-7	5103309-7	D	34	50.80	1	2.17	2.07
571-1033098	571-5103309-8	5103309-8	D	40	58.42	1	5.00	4.88
571-11033090	571-1-5103309-0	1-5103309-0	D	50	71.12	1	2.74	2.46
571-1033081	571-5103308-1	5103308-1	D	10	20.32	2	.72	.65
571-1033082	571-5103308-2	5103308-2	D	14	25.40	2	1.01	.91
571-1033085	571-5103308-5	5103308-5	D	20	27.94	2	1.32	1.26
571-1033088	571-5103308-8	5103308-8	D	40	58.42	2	1.93	1.74
Right Angle, .100" x .100" Centers, w/ .150 End Dimension								
571-1033111	571-5103311-1	5103311-1	E	10	20.32	1	.72	.65
571-1033112	571-5103311-2	5103311-2	E	14	25.40	1	2.86	2.57
571-1033113	571-5103311-3	5103311-3	E	16	27.94	1	2.68	2.41
571-1033115	571-5499786-5	5499786-5	E	20	33.02	1	1.62	1.45
571-1033116	571-5103311-6	5103311-6	E	26	40.64	1	2.24	2.02
571-1033117	571-5103311-7	5103311-7	E	34	50.80	1	5.67	5.40
571-1033118	571-5103311-8	5103311-8	E	40	58.42	1	2.96	2.67
571-11033110	571-1-5103311-0	1-5103311-0	E	50	71.12	1	7.32	6.59

AMP-LATCH® .100"x .100" Latch/Ejector Headers

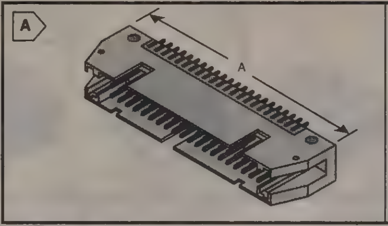
RoHS Compliant **This page of product is compliant.**

Features:

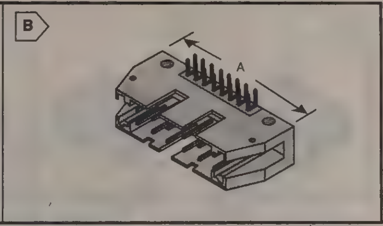
- Dual-Polarized Universal Ejection-Style Pin Headers
- .100 x .100" (2.54 x 2.54mm) Centers
- Straight-Thru or Right-Angle .025" (0.64mm) Square Posts
- .240" (6.10mm) Mating Post Length
- Recognized under the Component Program of Underwriters Laboratories Inc. File No. E28476
- Certified by the Canadian Standards Association, File No. LR 7189
- Current Rating: 1A
- Housing Material: Thermoplastic, UL94V-O Rated
- Temperature Range: -55° - +105° C
- RoHS Compliant per Tyco Electronics documentation

E28476 LR7189

A



B



VERTICAL

Without Latches

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Contact Gold Plating	Dim. A In. (mm)	Price Each		
						1	10	100
571-5102153-1	5102153-1	A	10	15μ"	1.26 (32.00)	.63	.57	.54
571-5102154-1	5102154-1	A	10	30μ"	1.26 (32.00)	.88	.79	.75
571-5102153-2	5102153-2	A	14	15μ"	1.46 (37.08)	1.07	.96	.91
571-5102154-2	5102154-2	A	14	30μ"	1.46 (37.08)	1.14	1.03	.97
571-5102153-3	5102153-3	A	16	15μ"	1.56 (39.62)	1.22	1.09	1.03
571-5102154-3	5102154-3	A	16	30μ"	1.56 (39.62)	1.40	1.26	1.19
571-5102153-4	5102153-4	A	20	15μ"	1.76 (44.70)	1.51	1.36	1.28
571-5102154-4	5102154-4	A	20	30μ"	1.76 (44.70)	1.66	1.49	1.41
571-5102153-5	5102153-5	A	24	15μ"	1.96 (49.78)	1.77	1.59	1.50
571-5102153-6	5102153-6	A	26	15μ"	2.06 (52.32)	1.91	1.72	1.63
571-5102154-6	5102154-6	A	26	30μ"	2.06 (52.32)	2.02	1.82	1.72
571-5102153-8	5102153-8	A	34	15μ"	2.46 (62.48)	3.04	2.73	2.58
571-5102154-8	5102154-8	A	34	30μ"	2.46 (62.48)	2.50	2.25	2.13
571-5102153-9	5102153-9	A	40	15μ"	2.76 (70.10)	3.40	3.07	2.73
571-5102154-9	5102154-9	A	40	30μ"	2.76 (70.10)	3.50	3.16	2.81
571-1-5102153-0	1-5102153-0	A	50	15μ"	3.26 (82.80)	3.47	3.42	2.82
571-1-5102154-0	1-5102154-0	A	50	30μ"	3.26 (82.80)	5.08	4.57	4.06
571-1-5102154-1	1-5102154-1	A	60	30μ"	3.76 (95.50)	5.88	5.29	4.70
571-1-5102153-2	1-5102153-2	A	64	15μ"	3.96 (100.58)	5.34	4.80	3.82

With Short Latches

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Contact Gold Plating	Dim. A In. (mm)	Price Each		
						1	10	100
571-5499910-1	5499910-1	A	10	15μ"	1.26 (32.00)	1.29	1.16	1.09
571-5499160-1	5499160-1	A	10	30μ"	1.26 (32.00)	1.36	1.23	1.16
571-5499910-2	5499910-2	A	14	15μ"	1.46 (37.08)	1.77	1.59	1.50
571-5499910-3	5499910-3	A	16	15μ"	1.56 (39.62)	1.95	1.76	1.66
571-5499160-3	5499160-3	A	16	30μ"	1.56 (39.62)	2.10	1.89	1.78
571-5499910-4	5499910-4	A	20	15μ"	1.76 (44.70)	2.39	2.15	2.03
571-5499910-5	5499910-5	A	24	15μ"	1.96 (49.78)	2.76	2.48	2.35
571-5499910-6	5499910-6	A	26	15μ"	2.06 (52.32)	2.94	2.65	2.50
571-5499910-8	5499910-8	A	34	15μ"	2.46 (62.48)	3.64	3.28	3.10
571-5499160-8	5499160-8	A	34	30μ"	2.46 (62.48)	3.92	3.53	3.33
571-5499910-9	5499910-9	A	40	15μ"	2.76 (70.10)	5.16	4.74	4.54
571-5499160-9	5499160-9	A	40	30μ"	2.76 (70.10)	6.61	6.09	5.55
571-1-5499910-0	1-5499910-0	A	50	15μ"	3.26 (82.80)	6.21	5.59	4.96
571-1-5499160-0	1-5499160-0	A	50	30μ"	3.26 (82.80)	6.54	4.99	4.71

With Long Latches

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Contact Gold Plating	Dim. A In. (mm)	Price Each		
						1	10	100
571-5499922-1	5499922-1	A	10	15μ"	1.26 (32.00)	1.75	1.57	1.49
571-5499206-1	5499206-1	A	10	30μ"	1.26 (32.00)	1.29	1.16	1.09
571-5499922-2	5499922-2	A	14	15μ"	1.46 (37.08)	1.77	1.59	1.50
571-5499206-2	5499206-2	A	14	30μ"	1.46 (37.08)	1.88	1.69	1.60
571-5499922-3	5499922-3	A	16	15μ"	1.56 (39.62)	2.65	2.38	2.25
571-5499206-3	5499206-3	A	16	30μ"	1.56 (39.62)	2.10	1.89	1.78
571-5499922-4	5499922-4	A	20	15μ"	1.76 (44.70)	4.23	3.80	3.59
571-5499206-4	5499206-4	A	20	30μ"	1.76 (44.70)	2.54	2.29	2.16
571-5499922-5	5499922-5	A	24	15μ"	1.96 (49.78)	2.76	2.48	2.35
571-5499206-5	5499206-5	A	24	30μ"	1.96 (49.78)	3.02	2.72	2.56
571-5499922-6	5499922-6	A	26	15μ"	2.06 (52.32)	2.94	2.65	2.50
571-5499206-6	5499206-6	A	26	30μ"	2.06 (52.32)	2.58	2.32	2.19
571-5499922-8	5499922-8	A	34	15μ"	2.46 (62.48)	4.94	4.45	4.20
571-5499206-8	5499206-8	A	34	30μ"	2.46 (62.48)	3.92	3.53	3.33
571-5499922-9	5499922-9	A	40	15μ"	2.76 (70.10)	4.85	4.44	3.54
571-5499206-9	5499206-9	A	40	30μ"	2.76 (70.10)	5.54	5.09	4.86
571-1-5499206-0	1-5499206-0	A	50	30μ"	3.26 (82.80)	5.68	5.23	5.06
571-1-5499206-1	1-5499206-1	A	60	30μ"	3.76 (95.50)	7.48	6.83	5.51

RIGHT ANGLE

Without Latches

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Contact Gold Plating	Dim. A In. (mm)	Price Each		
						1	10	100
571-5102159-1	5102159-1	B	10	15μ"	1.26 (32.00)	.88	.79	.75
571-5102160-1	5102160-1	B	10	30μ"	1.26 (32.00)	1.03	.93	.88
571-5102159-2	5102159-2	B	14	15μ"	1.46 (37.08)	1.14	1.03	.97
571-5102159-3	5102159-3	B	16	15μ"	1.56 (39.62)	1.40	1.26	1.19
571-5102160-3	5102160-3	B	16	30μ"	1.56 (39.62)	1.73	1.56	1.47
571-5102159-4	5102159-4	B	20	15μ"	1.76 (44.70)	1.66	1.49	1.41
571-5102160-4	5102160-4	B	20	30μ"	1.76 (44.70)	1.84	1.66	1.56
571-5102160-5	5102160-5	B	24	30μ"	1.96 (49.78)	2.13	1.92	1.81
571-5102159-6	5102159-6	B	26	15μ"	2.06 (52.32)	2.02	1.82	1.72
571-5102160-6	5102160-6	B	26	30μ"	2.06 (52.32)	2.21	1.99	1.88
571-5102159-8	5102159-8	B	34	15μ"	2.46 (62.48)	2.50	2.25	2.13
571-5102160-8	5102160-8	B	34	30μ"	2.46 (62.48)	2.65	2.38	2.25
571-5102159-9	5102159-9	B	40	15μ"	2.76 (70.10)	3.50	3.16	2.80
571-5102160-9	5102160-9	B	40	30μ"	2.76 (70.10)	3.70	3.37	3.00
571-1-5102159-0	1-5102159-0	B	50	15μ"	3.26 (82.80)	4.17	3.75	3.33
571-1-5102160-0	1-5102160-0	B	50	30μ"	3.26 (82.80)	4.53	4.07	3.62
571-1-5102160-1	1-5102160-1	B	60	30μ"	3.76 (95.50)	6.15	5.53	4.92
571-1-5102160-2	1-5102160-2	B	64	30μ"	3.96 (100.58)	5.19	4.67	4.15

With Short Latches

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Contact Gold Plating	Dim. A In. (mm)	Price Each		
						1	10	100
571-5499913-1	5499913-1	B	10	15μ"	1.26 (32.00)	1.36	1.23	1.16
571-5499345-1	5499345-1	B	10	30μ"	1.26 (32.00)	2.56	2.31	2.18
571-5499913-2	5499913-2	B	14	15μ"	1.46 (37.08)	1.88	1.69	1.60
571-5499913-3	5499913-3	B	16	15μ"	1.56 (39.62)	2.10	1.89	1.78
571-5499913-4	5499913-4	B	20	15μ"	1.76 (44.70)	4.94	4.44	4.20
571-5499913-5	5499913-5	B	24	15μ"	1.96 (49.78)	6.03	5.42	5.12
571-5499345-5	5499345-5	B	24	30μ"	1.96 (49.78)	7.12	6.64	5.97
571-5499913-6	5499913-6	B	26	15μ"	2.06 (52.32)	3.16	2.85	2.69
571-5499913-7	5499913-7	B	30	15μ"	2.26 (57.40)	5.21	4.69	4.43
571-5499913-8	5499913-8	B	34	15μ"	2.46 (62.48)	3.92	3.53	3.33
571-5499913-9	5499913-9	B	40	15μ"	2.76 (70.10)	5.28	4.85	4.64
571-5499345-9	5499345-9	B	40	30μ"	2.76 (70.10)	5.98	5.50	4.75
571-1-5499345-0	1-5499345-0	B	50	30μ"	3.26 (82.80)	6.96	5.46	4.17

With Long Latches

RoHS Compliant **For quantities of 500 and up, call for quote.**

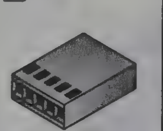
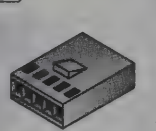
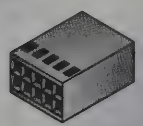
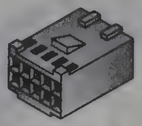
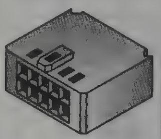
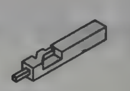
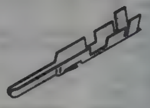
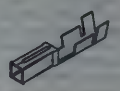
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Contact Gold Plating	Dim. A In. (mm)	Price Each		
						1	10	100
571-5499786-1	5499786-1	B	10	15μ"	1.26 (32.00)	1.36	1.23	1.16
571-5499141-1	5499141-1	B	10	30μ"	1.26 (32.00)	1.51	1.36	1.28
571-5499786-2	5499786-2	B	14	15μ"	1.46 (37.08)	1.88	1.69	1.60
571-5499141-2	5499141-2	B	14	30μ"	1.46 (37.08)	2.06	1.85	1.75
571-5499141-3	5499141-3	B	16	30μ"	1.56 (39.62)	2.82	2.54	2.40
571-5499786-4	5499786-4	B	20	15μ"	1.76 (44.70)	2.54	2.29	2.16
571-5499141-4	5499141-4	B	20	30μ"	1.76 (44.70)	3.22	2.89	2.73
571-5499786-5	5499786-5	B	24	15μ"	1.96 (49.78)	3.47	3.12	2.95
571-5499786-6	5499786-6	B	26	15μ"	2.06 (52.32)	3.16	2.85	2.69
571-5499141-6	5499141-6	B	26	30μ"	2.06 (52.32)	3.50	3.15	2.97
571-5499786-8	5499786-8	B	34	15μ"	2.46 (62.48)	3.92	3.53	3.33
571-5499141-8	5499141-8	B	34	30μ"	2.46 (62.48)	4.32	3.89	3.67
571-5499786-9	5499786-9	B	40	15μ"	2.76 (70.10)	5.26	4.89	4.17
571-5499141-9	5499141-9	B	40	30μ"	2.76 (70.10)	6.06	5.48	5.23
571-1-5499786-0	1-5499786-0	B	50	15μ"	3.26 (82.80)	6.04	5.89	5.61
571-1-5499141-0	1-5499141-0	B	50	30μ"	3.26 (82.80)	7.44	6.69	5.95
571-1-5499141-1	1-5499141-1	B	60	30μ"	3.76 (95.50)	8.70	7.83	6.96
571-1-5499786-2	1-5499786-2	B	64	15μ"	3.96 (100.58)	8.28	7.45	6.62

EJECTOR LATCHES

2 required per header

RoHS Compliant **For quantities of 5000 and up, call for quote.**

MOUSER STOCK NO.	AMP Part No.	Description	Price Each				
			1	10	100	500	1000
571-1023121	102312-1	Short	.21	.20	.19	.18	.17
571-1023201	102320-1	Long	.23	.22	.21	.20	.19

A

B

C

D

E

F

G

H


AMPMODU™ MOD.IV WIRE-APPLIED HOUSINGS

- Housing Material: UL94V-0 black thermoplastic, flame retardant
- Stamped
- .100" Centerline
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

Non-Polarized, Single Row Housings

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Width	Price Each				
					1	10	25	50	100
* 571-7874992	7-87499-2	A	1	.105	.42	.39	.37	.31	.24
571-874993	87499-3	A	2	.205	1.09	1.01	.96	.91	.74
571-874995	87499-5	A	3	.305	.86	.79	.61	.55	.50
571-874997	87499-7	A	4	.405	.72	.68	.56	.49	.48
571-874999	87499-9	A	5	.505	.61	.56	.47	.42	.38
571-1874991	1-87499-1	A	6	.605	.72	.68	.52	.49	.48
571-874991	87499-1	A	7	.705	.97	.92	.70	.66	.64
571-1874993	1-87499-3	A	8	.805	.80	.72	.61	.52	.51
571-1874995	1-87499-5	A	9	.905	1.01	.96	.73	.69	.67
571-1874997	1-87499-7	A	10	1.005	.91	.87	.66	.62	.60

*Unstamped

Polarized, Single Row Housings with Detent Latching

- Unstamped (No marking on housing)
- .100" Centerline
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

571-1022411	102241-1	B	3	.300	.38	.36	.30	.25	.22
571-1022412	102241-2	B	4	.400	.43	.41	.35	.31	.28
571-1022413	102241-3	B	5	.500	.48	.45	.41	.33	.32
571-1022414	102241-4	B	6	.600	.53	.51	.41	.39	.37
571-1022415	102241-5	B	7	.700	.58	.55	.51	.39	.38
571-1022416	102241-6	B	8	.800	.62	.60	.43	.39	.38
571-1022417	102241-7	B	9	.900	.68	.65	.43	.40	.38
571-1022418	102241-8	B	10	1.000	.77	.73	.69	.62	.51

Non-Polarized, Double Row Housings

- Stamped
- .100" x .100" Centerline
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

571-874562	87456-2	C	6	.305	1.41	1.37	1.14	.98	.95
571-874564	87456-4	C	8	.405	1.52	1.45	1.18	1.02	.98
571-874566	87456-6	C	10	.505	1.48	1.39	1.31	1.15	1.02
571-874568	87456-8	C	12	.605	1.63	1.56	1.28	1.12	1.08
571-1874560	1-87456-0	C	14	.705	1.65	1.60	1.22	1.15	1.11
571-1874562	1-87456-2	C	16	.805	1.52	1.37	1.29	1.21	1.18

Polarized, Double Row Housings with Detent Latching

- Stamped
- Without strain relief
- .100" x .100" Centerline
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

571-876312	87631-2	D	6	.300	1.38	1.31	1.09	.92	.84
571-876314	87631-4	D	8	.400	1.53	1.44	1.41	1.02	.98
571-876316	87631-6	D	10	.500	1.56	1.51	1.25	1.13	1.05
571-876318	87631-8	D	12	.600	1.74	1.65	1.34	1.18	1.14
571-1876310	1-87631-0	D	14	.700	1.80	1.75	1.32	1.25	1.21
571-1876316	1-87631-6	D	20	1.000	2.31	2.26	1.71	1.61	1.56
571-2876312	2-87631-2	D	26	1.300	2.64	2.30	1.99	1.87	1.81

Center Polarized, Double Row Housings

- Stamped
- .100" x .100" Centerline
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

571-1023871	102387-1	E	10	.680	1.63	1.47	1.23	1.04	.98
571-1023872	102387-2	E	14	.880	1.73	1.61	1.35	1.10	1.03
571-1023873	102387-3	E	16	.980	2.01	1.87	1.44	1.29	1.19
571-1023874	102387-4	E	20	1.180	2.30	2.08	1.79	1.47	1.41
571-1023875	102387-5	E	24	1.380	2.49	2.26	2.01	1.49	1.35
571-1023876	102387-6	E	26	1.480	2.54	2.30	1.94	1.63	1.52
571-1023878	102387-8	E	34	1.880	3.21	2.91	2.43	2.06	1.94
571-1023879	102387-9	E	40	2.180	3.55	3.23	2.79	2.30	2.19
571-11023870	1-102387-0	E	50	2.680	4.37	4.19	3.96	2.98	2.81

KEYING PLUGS

- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	100	500	1000
571-870772	87077-2	F	Plugs directly into housing	.14	.12	.10	.09
571-862861	86286-1	- -	Plugs into standard or intermediate pressure receptacle contact	.17	.16	.15	.14

AMPMODU™ MOD.IV PIN AND RECEPTACLE CONTACTS

Contact Plating:

1 = Duplex plated .00003 min. gold on contact area. .0001 ~ .0002 min. tin-lead on solder area, with entire post underplated .00005 min. nickel.
2 = Duplex plated .000015 min. gold on contact area. .0001 ~ .0002 min. tin-lead on solder area, with entire post underplated .00005 min. nickel.
3 = Selectively plated .000030 gold on contact area, with gold flash over .000050 nickel on entire contact.
4 = Selectively plated .000015 gold on contact area, with gold flash over .000050 nickel on entire contact.
5 = .000100~.000200 bright tin-lead over .000050 nickel on entire contact

Crimp Snap-In Pins with Insulation Support

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Plating	Wire AWG	Terminal Length (In.)	Price Each			
							1	100	500	1000
571-1021072	102107-2	G	Ph Bz	3	26-22	.815	.54	.37	.32	.30
571-1021071	102107-1	G	Ph Bz	4	26-22	.815	.33	.30	.28	.27
571-1021073	102107-3	G	Ph Bz	5	26-22	.815	.24	.21	.19	.17

Standard Pressure Receptacle Contacts

- Mating force: 9 oz. max.
- Unmating force: 1.5oz. min.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Plating	Wire AWG	Terminal Length (In.)	Price Each			
							1	100	500	1000
571-876673	87667-3	H	Be Cu	5	26-22	.445	.35	.31	.26	.23
571-876672	87667-2	H	Be Cu	3	26-22	.445	.37	.33	.31	.29
571-860163	86016-3	H	Be Cu	5	24-20	.470	.35	.31	.24	.22
571-860162	86016-2	H	Be Cu	3	24-20	.470	.49	.46	.37	.30
571-11023164	1-102316-4	H	Cu Sn Ph Bz	1	32-27	.445	.28	.25	.24	.22
571-11023163	1-102316-3	H	Cu Sn Ph Bz	2	32-27	.445	.36	.32	.28	.25
571-1029172	102917-2	H	Be Cu	3	32-27	.445	.40	.36	.34	.32
571-1877568	1-87756-8	H	Cu Sn Ph Bz	1	26-22	.445	.35	.31	.27	.23
571-1877566	1-87756-6	H	Cu Sn Ph Bz	2	26-22	.445	.27	.24	.23	.21
571-877567	87756-7	H	Cu Sn Ph Bz	5	26-22	.445	.23	.20	.19	.18
571-876665	87666-5	H	Be Cu	4	26-22	.445	.32	.29	.28	.26
571-1875239	1-87523-9	H	Cu Sn Ph Bz	1	24-20	.470	.28	.25	.24	.22
571-1875236	1-87523-6	H	Cu Sn Ph Bz	2	24-20	.470	.36	.32	.25	.23
571-860165	86016-5	H	Be Cu	4	24-20	.470	.36	.33	.31	.29
571-875236	87523-6	H	Cu Sn Ph Bz	5	24-20	.470	.15	.14	.13	.12

AMPMODU™ MOD IV.V INTERMEDIATE PRESSURE RECEPTACLE CONTACTS

- Mating force: 16 oz. max.
- Unmating force: 2 oz. min.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Plating	Wire AWG	Terminal Length (In.)	Price Each			
							1	100	500	1000
571-870464	87046-4	H	Be Cu	5	24-20	.470	.47	.42	.28	.24
571-870463	87046-3	H	Be Cu	1	24-20	.470	.41	.37	.35	.33
571-1029202	102920-2	H	Cu Sn Ph Bz	1	32-27	.445	.39	.32	.26	.22
571-1029182	102918-2	H	Be Cu	3	32-27	.445	.59	.53	.50	.47
571-1031715	103171-5	H	Cu Sn Ph Bz	1	26-22	.445	.39	.26	.24	.22
571-1025486	102548-6	H	Be Cu	3	26-22	.445	.40	.36	.34	.32
571-1025483	102548-3	H	Be Cu	4	26-22	.445	.36	.34	.32	.30
571-2871951	2-87195-1	H	Cu Sn Ph Bz	1	24-20	.445	.35	.31	.28	.24
571-1871958	1-87195-8	H	Cu Sn Ph Bz	2	24-20	.470	.37	.32	.28	.25
571-870461	87046-1	H	Be Cu	4	24-20	.470	.37	.33	.31	.29

AMPMODU™ MOD V HIGH PRESSURE RECEPTACLE CONTACTS

- RoHS compliant per Tyco Electronics documentation
- Mating force: 20 oz. max.
- Unmating force: 3 oz. min.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Plating	Wire AWG	Terminal Length (In.)	Price Each			
							1	100	500	1000
571-1021282	102128-2	H	Ph Bz	5	26-22	.445	.20	.18	.17	.16
571-1021281	102128-1	H	Ph Bz	3	26-22	.445	.30	.27	.26	.24
571-1873093	1-87309-3	H	Ph Bz	5	24-20	.470	.20	.18	.17	.16
571-1873094	1-87309-4	H	Ph Bz	3	24-20	.470	.34	.31	.29	.27
571-1034552	103455-2	H	Ph Bz	4	32-27	.445	.55	.40	.38	.36

TOOLS

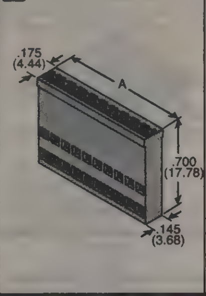
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-586411	58641-1	Commercial crimp tool 26-22 AWG	222.40
571-8439963	843996-3	Extraction tool	12.23

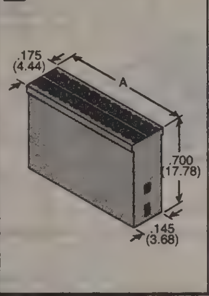
AMPMODU™ PCB and Wire Connectors

RoHS Compliant **This page of product is compliant.**

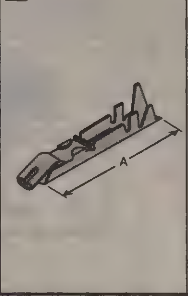
A



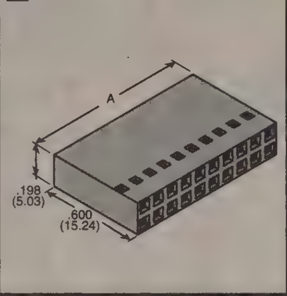
B



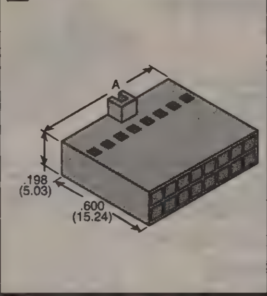
C



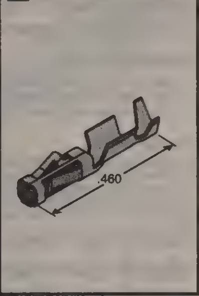
D



E



F



AMPMODU™ LOCKING CLIP CONTACTS AND HOUSINGS

Features:

- Mates with .025" (.64mm) square posts
- Modular design permits end-to-end stacking
- Housing made of 94V-0 rated glass-filled polyester
- Stamped: Cavity ID, part number, date code: where size permits Unstamped: No markings
- RoHS Compliant per Tyco Electronics documentation

Specifications:

- Contact Current Rating: 3 amp
- Termination Resistance: 12mΩ max. Gold
  16mΩ max. Tin
- Operating Temp.: -65°C to 105°C Gold
  -65°C to 60°C Tin

RoHS Compliant

Single Row

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Description	Dimension A Inch (mm)	Price Each		
						1	25	50
571-87175-2	87175-2	A	1	Unstamped	.108 (2.74)	.80	.72	.68
571-871756	87175-6	A	2	Unstamped	.216 (5.49)	.87	.82	.62
571-871758	87175-8	A	3	Unstamped	.316 (8.06)	1.37	1.23	1.16
571-1871750	1-87175-0	A	4	Unstamped	.416(10.57)	.92	.83	.78
571-1871752	1-87175-2	A	5	Unstamped	.516 (13.11)	1.30	1.21	.86
571-1871754	1-87175-4	A	6	Unstamped	.616 (15.65)	1.73	1.55	1.47
571-1-87175-3	1-87175-3	A	6	Stamped	.616 (15.65)	1.97	1.77	1.68
571-1-87175-6	1-87175-6	A	7	Unstamped	.716 (18.19)	1.76	1.59	1.50
571-1-87175-5	1-87175-5	A	7	Stamped	.716 (18.19)	2.01	1.81	1.71
571-1-87175-8	1-87175-8	A	8	Unstamped	.816 (2.73)	2.04	1.84	1.74
571-1871757	1-87175-7	A	8	Stamped	.816 (2.73)	2.06	1.85	1.75
571-2871750	2-87175-0	A	9	Unstamped	.916 (23.27)	2.09	1.88	1.78
571-1-87175-9	1-87175-9	A	9	Stamped	.916 (23.27)	2.10	1.89	1.78
571-2-87175-2	2-87175-2	A	10	Unstamped	1.016 (25.81)	1.88	1.69	1.60
571-2-87175-1	2-87175-1	A	10	Stamped	1.016 (25.81)	2.29	2.18	1.96
571-2-87175-4	2-87175-4	A	11	Unstamped	1.116 (28.35)	3.32	2.99	2.82
571-2-87175-3	2-87175-3	A	11	Stamped	1.116 (28.35)	2.42	2.18	2.06
571-2-87175-6	2-87175-6	A	12	Unstamped	1.216 (30.89)	2.29	2.06	1.94
571-2-87175-5	2-87175-5	A	12	Stamped	1.216 (30.89)	2.29	2.06	1.95
571-2-87175-8	2-87175-8	A	13	Unstamped	1.316 (33.43)	2.40	2.16	2.04
571-3-87175-0	3-87175-0	A	14	Unstamped	1.416 (35.97)	2.48	2.23	2.11
571-87175-4	87175-4	A	15	Unstamped	1.516 (38.51)	2.24	2.02	1.90
571-87175-3	87175-3	A	15	Stamped	1.516 (38.51)	3.03	2.73	2.58

RoHS Compliant

Double Row

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Description	Dimension A Inch (mm)	Price Each		
						1	25	50
571-871762	87176-2	B	2	Unstamped	.116 (2.95)	1.33	1.20	1.13
571-871331	87133-1	B	4	Unstamped	.216 (5.49)	1.72	1.54	1.46
571-87133-7	87133-7	B	6	Unstamped	.316 (8.06)	1.68	1.51	1.42
571-87133-8	87133-8	B	6	Stamped	.316 (8.06)	1.97	1.77	1.68
571-871339	87133-9	B	8	Unstamped	.416 (10.57)	4.11	3.70	3.49
571-871332	87133-2	B	10	Unstamped	.516 (13.11)	1.88	1.69	1.60
571-871335	87133-5	B	10	Stamped	.516 (13.11)	2.29	2.18	1.96
571-1-87133-1	1-87133-1	B	12	Unstamped	.616 (15.65)	2.47	2.22	2.10
571-871333	87133-3	B	20	Unstamped	1.016 (25.81)	2.76	2.49	2.35

Locking Clip Contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Dimension A Inch (mm)	Price Each		
					1	100	500
571-871911	87191-1	C	30-28 AWG, Gold	.550 (13.97)	.42	.38	.36
571-5-87191-2	5-87191-2	C	30-28 AWG, Tin	.550 (13.97)	.32	.29	.27
571-871651	87165-1	C	26-22 AWG, Gold	.584 (14.83)	.63	.54	.48
571-5-87165-2	5-87165-2	C	26-22 AWG, Tin	.584 (14.83)	.44	.33	.27

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each	
				1	5
571-871791	57179-1	-	Keying Plug	.21	.19
571-910841	91084-1	-	Extraction Tool	22.63	20.44

AMPMODU™ SHORT POINT WIRE-APPLIED CONNECTORS AND CONTACTS

Features:

- Short point of contact mates with .169" - .259" (4.29 mm - 6.58mm)
- Double row housings are end-to-end and side-to-side stackable
- Mates with .025" (.64mm) square posts
- Dual cantilever contact beams for reliable mating
- RoHS Compliant per Tyco Electronics documentation

Specifications:

- Contact current rating: 3 amp
- Termination Resistance: 12mΩ max.
- Black thermoplastic, flame retardant, 94V-0

RoHS Compliant

Non-Polarized

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension A Inch (mm)	Price Each		
					1	25	50
571-104482-1	104482-1	D	4	.198 (5.03)	.63	.57	.54
571-104482-2	104482-2	D	6	.298 (7.57)	.86	.82	.64
571-104482-3	104482-3	D	8	.398 (10.11)	.71	.64	.60
571-104482-4	104482-4	D	10	.498 (12.65)	.86	.79	.65
571-104482-5	104482-5	D	12	.598 (15.19)	.65	.59	.56
571-104482-6	104482-6	D	14	.698 (17.73)	.66	.59	.56
571-104482-7	104482-7	D	16	.798 (20.27)	.89	.70	.66
571-104482-8	104482-8	D	18	.898 (22.81)	.67	.61	.57
571-104482-9	104482-9	D	20	.998 (23.35)	.95	.91	.88
571-1-104482-0	1-104482-0	D	22	1.098 (27.89)	.70	.63	.59
571-1-104482-1	1-104482-1	D	26	1.298 (32.97)	.71	.64	.60
571-1-104482-2	1-104482-2	D	28	1.398 (35.51)	.72	.65	.61
571-1-104482-3	1-104482-3	D	30	1.498 (38.05)	.76	.68	.64
571-1-104482-4	1-104482-4	D	32	1.598 (40.59)	.76	.69	.65
571-1-104482-5	1-104482-5	D	34	1.698 (43.13)	.80	.72	.68
571-1-104482-6	1-104482-6	D	36	1.798 (45.67)	.81	.73	.69
571-1-104482-7	1-104482-7	D	38	1.898 (48.21)	.82	.73	.69
571-1-104482-8	1-104482-8	D	40	1.998 (50.75)	.83	.74	.70
571-1-104482-9	1-104482-9	D	44	2.198 (55.83)	1.42	1.27	1.20
571-2-104482-0	2-104482-0	D	52	2.598 (65.99)	1.52	1.37	1.29

Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-8434771	843477-1	Extraction Tool	17.33
571-91518-1	91518-1	Crimp Tool 32-28 AWG and 26-22 AWG	504.00
571-91551-1	91551-1	Crimp Tool 24-20 AWG	535.50

RoHS Compliant

Polarized

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension A Inch (mm)	Price Each		
					1	25	50
571-104483-1	104483-1	E	8	.98 (10.11)	.70	.66	.60
571-104483-9	104483-9	E	14	.698 (17.73)	.64	.58	.55
571-104483-2	104483-2	E	18	.898 (22.81)	.65	.59	.56
571-104483-3	104483-3	E	20	.998 (25.35)	.66	.60	.56
571-104483-4	104483-4	E	26	1.298 (32.97)	.71	.64	.61
571-104483-5	104483-5	E	30	1.498 (38.05)	.76	.68	.64
571-104483-6	104483-6	E	38	1.898 (48.21)	.79	.72	.68
571-104483-7	104483-7	E	54	2.698 (68.53)	1.66	1.50	1.41
571-104483-8	104483-8	E	64	3.198 (81.23)	1.72	1.55	1.46

RoHS Compliant

Contacts

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Size AWG	Contact Plating	Price Each		
					1	100	500
571-1-104481-3	1-104481-3	F	32-28	30μ Gold	.13	.11	.10
571-1-104481-2	1-104481-2	F	32-28	15μ Gold	.13	.10	.09
571-5-104481-6	5-104481-6	F	32-28	Tin	.13	.12	.11
571-1-104480-6	1-104480-6	F	26-22	30μ Gold	.13	.11	.10
571-1-104480-5	1-104480-5	F	26-22	15μ Gold	.14	.13	.12
571-1-104480-4	1-104480-4	F	26-22	Tin	.13	.12	.11
571-1-104479-3	1-104479-3	F	24-20	30μ Gold	.13	.11	.10
571-1-104479-2	1-104479-2	F	24-20	15μ Gold	.12	.10	.09
571-1-104479-1	1-104479-1	F	24-20	Tin	.13	.12	.11

AMPMODU™ MTE LATCHING HEADERS RIGHT ANGLE POST - SHROUDED

(.100" 2.54mm centers)

Material and Finish:

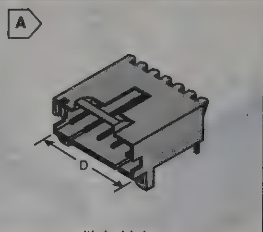
- Housing: Black thermoplastic, UL94V-0 rated
- .025" (0.64) Square Right-Angle Post
- Posts: Copper alloy, plated as follows:

Plating Code:

A: Duplex plated .000030 (0.00076) gold on contact area. .000100 (0.00254) min. tin-lead on solder area, with entire post underplated .000050 (0.00127) nickel.
B: Duplex plated .000015 (0.00038) gold on contact area. .000100 (0.00254) min. tin-lead on solder area, with entire post underplated .000050 (0.00127) nickel.
C: .000100 (0.00254) tin-lead over .000050 (0.00127) nickel on entire post

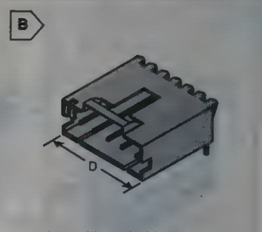
Mates with Polarized/Latching Receptacle Assemblies.

A



with hold down

B



without hold down

Single Row with Hold Down

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Dimension (In.) mm	Price Each			
						1	25	50	100
571-1039041	103904-1	A	2	A	.300 (7.62)	.50	.45	.43	.40
571-1036731	103673-1	A	2	B	.300 (7.62)	.72	.65	.58	.52
571-1036721	103672-1	A	2	C	.300 (7.62)	.50	.47	.40	.36
571-1039042	103904-2	A	3	A	.400 (10.16)	.74	.67	.63	.59
571-1036732	103673-2	A	3	B	.400 (10.16)	.44	.40	.38	.36
571-1036722	103672-2	A	3	C	.400 (10.16)	.58	.53	.47	.42
571-1039043	103904-3	A	4	A	.500 (12.70)	.54	.49	.46	.44
571-1036733	103673-3	A	4	B	.500 (12.70)	.76	.69	.61	.55
571-1036723	103672-3	A	4	C	.500 (12.70)	.51	.46	.43	.41
571-1039044	103904-4	A	5	A	.600 (15.24)	.71	.64	.61	.57
571-1036734	103673-4	A	5	B	.600 (15.24)	.99	.89	.79	.71
571-1036724	103672-4	A	5	C	.600 (15.24)	.84	.80	.72	.68
571-1039045	103904-5	A	6	A	.700 (17.78)	.96	.86	.81	.77
571-1036735	103673-5	A	6	B	.700 (17.78)	.59	.53	.50	.47
571-1036725	103672-5	A	6	C	.700 (17.78)	.90	.86	.78	.73
571-1039046	103904-6	A	7	A	.800 (20.32)	1.05	1.00	.90	.85
571-1036736	103673-6	A	7	B	.800 (20.32)	.64	.58	.54	.51
571-1036726	103672-6	A	7	C	.800 (20.32)	1.16	1.05	.99	.93
571-1039047	103904-7	A	8	A	.900 (22.86)	1.06	.95	.90	.85
571-1036737	103673-7	A	8	B	.900 (22.86)	.69	.62	.58	.55
571-1036727	103672-7	A	8	C	.900 (22.86)	.82	.78	.70	.66
571-1039049	103904-9	A	10	A	1.10 (27.94)	1.15	1.03	.98	.92
571-1036739	103673-9	A	10	B	1.10 (27.94)	.78	.71	.67	.63
571-1036729	103672-9	A	10	C	1.10 (27.94)	.72	.68	.61	.58
571-11039041	1-103904-1	A	12	A	1.30 (33.02)	1.13	1.08	.97	.92
571-11036731	1-103673-1	A	12	B	1.30 (33.02)	.92	.83	.78	.73
571-11036721	1-103672-1	A	12	C	1.30 (33.02)	.99	.95	.85	.81

Single Row without Hold Down

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Dimension (In.) mm	Price Each			
						1	25	50	100
571-1039061	103906-1	B	2	A	.300 (7.62)	.54	.50	.46	.41
571-1036351	103635-1	B	2	B	.300 (7.62)	.50	.46	.44	.38
571-1036341	103634-1	B	2	C	.300 (7.62)	.58	.54	.52	.50
571-1039062	103906-2	B	3	A	.400 (10.16)	.65	.61	.57	.52
571-1036352	103635-2	B	3	B	.400 (10.16)	.54	.50	.48	.46
571-1036342	103634-2	B	3	C	.400 (10.16)	.51	.47	.45	.43
571-1039063	103906-3	B	4	A	.500 (12.70)	.54	.49	.46	.44
571-1036353	103635-3	B	4	B	.500 (12.70)	.76	.61	.54	.51
571-1036343	103634-3	B	4	C	.500 (12.70)	.57	.55	.49	.46
571-1039064	103906-4	B	5	A	.600 (15.24)	.77	.72	.68	.64
571-1036354	103635-4	B	5	B	.600 (15.24)	.54	.49	.46	.44
571-1036344	103634-4	B	5	C	.600 (15.24)	.45	.41	.38	.36
571-1039065	103906-5	B	6	A	.700 (17.78)	.87	.83	.78	.74
571-1036355	103635-5	B	6	B	.700 (17.78)	.91	.73	.65	.61
571-1036345	103634-5	B	6	C	.700 (17.78)	.62	.56	.53	.50
571-1039066	103906-6	B	7	A	.800 (20.32)	1.02	.98	.88	.83
571-1036356	103635-6	B	7	B	.800 (20.32)	.98	.86	.83	.77
571-1036346	103634-6	B	7	C	.800 (20.32)	.85	.81	.73	.69
571-1039067	103906-7	B	8	A	.900 (22.86)	.78	.70	.66	.62
571-1036357	103635-7	B	8	B	.900 (22.86)	.69	.62	.58	.55
571-1036347	103634-7	B	8	C	.900 (22.86)	.59	.53	.50	.47
571-1039069	103906-9	B	10	A	1.10 (27.94)	.90	.81	.77	.72
571-1036359	103635-9	B	10	B	1.10 (27.94)	.78	.71	.67	.63
571-1036349	103634-9	B	10	C	1.10 (27.94)	.67	.60	.57	.54
571-11039061	1-103906-1	B	12	A	1.30 (33.02)	1.25	1.13	1.07	1.00
571-1-103635-1	1-103635-1	B	12	B	1.30 (33.02)	.92	.83	.78	.73
571-11036341	1-103634-1	B	12	C	1.30 (33.02)	.82	.78	.70	.66

High-Temp with Swage

For quantities of 200 and up, call for quote.

571-1043611	104361-1	A	2	B	.300 (7.62)	.53	.48	.45	.43
571-1043612	104361-2	A	3	B	.400 (10.16)	.93	.83	.79	.74
571-1043613	104361-3	A	4	B	.500 (12.70)	.59	.53	.50	.47
571-1043614	104361-4	A	5	B	.600 (15.24)	.68	.65	.59	.55
571-1043615	104361-5	A	6	B	.700 (17.78)	.70	.63	.59	.56
571-1043616	104361-6	A	7	B	.800 (20.32)	.75	.68	.64	.60
571-1043617	104361-7	A	8	B	.900 (22.86)	.81	.72	.68	.64
571-1043618	104361-8	A	9	B	1.00 (25.40)	.86	.78	.73	.69
571-1043619	104361-9	A	10	B	1.10 (27.94)	1.22	1.16	1.05	.99
571-11043611	1-104361-1	A	12	B	1.30 (33.02)	1.16	1.10	.99	.94

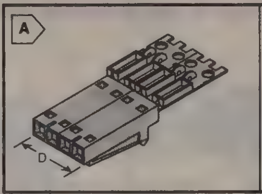
AMPMODU™ MTE Interconnection System

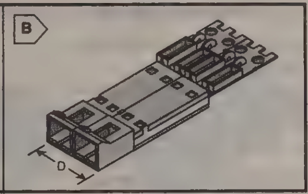
Material and Finish:

- .100" 2.54mm centerlines
- Housing: Black thermoplastic, UL94V-0 rated
- Contacts: Phosphor Bronze, plated as follows:

Plating Code:

A: Duplex plated .000030 (0.00076) gold on contact area. .000050 (0.00127) min. tin-lead in crimp area, with entire contact underplated .000050 (0.00127) nickel.
B: Duplex plated .000015 (0.00038) gold on contact area. .000050 (0.00127) min. tin-lead in crimp area, with entire contact underplated .000050 (0.00127) nickel.
C: .000100 (0.00254) bright tin-lead over .000050 (0.00127) nickel on entire contact.





Insulation displacement contacts accept an insulation diameter of .030 (0.76) min. to .054 (1.37) max. with an insulation wall thickness of .015 (0.38) max. Mating post length for preloaded housings is .200 (5.08) min., .250 (6.35) max.

MTE Receptacle Assemblies - Strip Form, Polarized/Latching, Single-Row, 26-22 AWG Wire

- Mates with Polarized/Latching Headers as well as Polarized/Latching Pin Assemblies.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Housing Qty. Per Strip Segment	Plating	Dimension (In.) mm	Price Each			
							1	25	50	100
571-1039581	103958-1	A	2	10	A	.198 (5.03)	.58	.53	.51	.49
571-1039571	103957-1	A	2	10	B	.198 (5.03)	.49	.45	.42	.39
571-1039561	103956-1	A	2	10	C	.198 (5.03)	.48	.44	.42	.40
571-1042571	104257-1	A	2	10	Unloaded Housings	.198 (5.03)	.22	.20	.18	.17
571-1039582	103958-2	A	3	8	A	.298 (7.57)	.75	.69	.66	.54
571-1039572	103957-2	A	3	8	B	.298 (7.57)	.61	.57	.53	.48
571-1039562	103956-2	A	3	8	C	.298 (7.57)	.55	.50	.48	.46
571-1042572	104257-2	A	3	8	Unloaded Housings	.298 (7.57)	.32	.29	.27	.21
571-1039583	103958-3	A	4	5	A	.398 (10.11)	.87	.80	.77	.73
571-1039573	103957-3	A	4	5	B	.398 (10.11)	.59	.53	.49	.43
571-1039563	103956-3	A	4	5	C	.398 (10.11)	.58	.53	.49	.46
571-1042573	104257-3	A	4	5	Unloaded Housings	.398 (10.11)	.29	.27	.24	.23
571-1039584	103958-4	A	5	4	A	.498 (12.65)	.81	.73	.69	.65
571-1039574	103957-4	A	5	4	B	.498 (12.65)	.71	.67	.62	.58
571-1039564	103956-4	A	5	4	C	.498 (12.65)	.64	.58	.54	.51
571-1042574	104257-4	A	5	4	Unloaded Housings	.498 (12.65)	.39	.36	.31	.25
571-1039585	103958-5	A	6	4	A	.598 (15.19)	1.17	1.09	1.03	.88
571-1039575	103957-5	A	6	4	B	.598 (15.19)	.94	.90	.86	.82
571-1039565	103956-5	A	6	4	C	.598 (15.19)	1.37	1.25	1.18	1.12
571-1042575	104257-5	A	6	4	Unloaded Housings	.598 (15.19)	.34	.31	.29	.28
571-1039586	103958-6	A	7	2	A	.698 (17.73)	1.12	1.01	.95	.90
571-1039576	103957-6	A	7	2	B	.698 (17.73)	.96	.87	.82	.77
571-1039566	103956-6	A	7	2	C	.698 (17.73)	.88	.79	.75	.70
571-1042576	104257-6	A	7	2	Unloaded Housings	.698 (17.73)	.39	.35	.33	.31
571-1039587	103958-7	A	8	2	A	.798 (20.27)	1.35	1.22	1.16	1.10
571-1039577	103957-7	A	8	2	B	.798 (20.27)	1.19	1.12	.98	.93
571-1039567	103956-7	A	8	2	C	.798 (20.27)	.97	.87	.82	.78
571-1042577	104257-7	A	8	2	Unloaded Housings	.798 (20.27)	.41	.36	.34	.32
571-1039588	103958-8	A	9	2	A	.898 (22.81)	1.45	1.38	1.24	1.17
571-1039578	103957-8	A	9	2	B	.898 (22.81)	1.80	1.72	1.54	1.46
571-1039568	103956-8	A	9	2	C	.898 (22.81)	1.04	.94	.88	.83
571-1042578	104257-8	A	9	2	Unloaded Housings	.898 (22.81)	.47	.42	.40	.37
571-1039589	103958-9	A	10	2	A	.998 (23.35)	1.47	1.33	1.25	1.18
571-1039579	103957-9	A	10	2	B	.998 (23.35)	1.34	1.28	1.15	1.08
571-1039569	103956-9	A	10	2	C	.998 (23.35)	1.13	1.01	.96	.90
571-1042579	104257-9	A	10	2	Unloaded Housings	.998 (23.35)	.49	.44	.42	.39

MTE Pin Assemblies, Shrouded, Strip Form, Polarized/Latching, Single-Row, 26-22 AWG Wire

- Mates with polarized/latching receptacle assemblies

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Housing Qty. Per Strip Segment	Plating	Dimension (In.) mm	Price Each			
							1	25	50	100
571-1039461	103946-1	B	2	8	A	.295 (7.49)	.91	.83	.79	.75
571-1039451	103945-1	B	2	8	B	.295 (7.49)	.72	.65	.61	.58
571-1039441	103944-1	B	2	8	C	.295 (7.49)	.79	.73	.69	.65
571-1036531	103653-1	B	2	8	Unloaded Housings	.295 (7.49)	.42	.37	.35	.33
571-1039462	103946-2	B	3	5	A	.395 (10.03)	1.06	1.01	.91	.86
571-1039452	103945-2	B	3	5	B	.395 (10.03)	.81	.78	.70	.66
571-1039442	103944-2	B	3	5	C	.395 (10.03)	.82	.75	.71	.68
571-1036532	103653-2	B	3	5	Unloaded Housings	.395 (10.03)	.44	.39	.37	.35
571-1039463	103946-3	B	4	4	A	.495 (12.57)	1.56	1.41	1.33	1.25
571-1039453	103945-3	B	4	4	B	.495 (12.57)	.87	.78	.74	.69
571-1039443	103944-3	B	4	4	C	.495 (12.57)	.82	.73	.69	.65
571-1036533	103653-3	B	4	4	Unloaded Housings	.495 (12.57)	.46	.42	.39	.37
571-1039464	103946-4	B	5	4	A	.595 (15.11)	.96	.86	.81	.77
571-1039454	103945-4	B	5	4	B	.595 (15.11)	.90	.81	.76	.72
571-1039444	103944-4	B	5	4	C	.595 (15.11)	1.42	1.35	1.21	1.15
571-103653-4	103653-4	B	5	4	Unloaded Housings	.595 (15.11)	.44	.40	.38	.35
571-1039465	103946-5	B	6	2	A	.695 (17.65)	1.14	1.03	.97	.91
571-103945-5	103945-5	B	6	2	B	.695 (17.65)	.98	.88	.83	.78
571-1039445	103944-5	B	6	2	C	.695 (17.65)	.97	.92	.83	.78
571-1036535	103653-5	B	6	2	Unloaded Housings	.695 (17.65)	.44	.40	.38	.36
571-1039466	103946-6	B	7	3	A	.795 (20.19)	1.38	1.32	1.19	1.12
571-1039456	103945-6	B	7	3	B	.795 (20.19)	3.59	3.23	3.05	2.87
571-1039446	103944-6	B	7	3	C	.795 (20.19)	1.72	1.54	1.46	1.37
571-1036536	103653-6	B	7	3	Unloaded Housings	.795 (20.19)	.95	.85	.81	.76
571-1039467	103946-7	B	8	2	A	.895 (22.73)	1.99	1.79	1.69	1.59
571-1039457	103945-7	B	8	2	B	.895 (22.73)	1.83	1.65	1.56	1.46
571-1039447	103944-7	B	8	2	C	.895 (22.73)	1.67	1.50	1.42	1.34
571-1036537	103653-7	B	8	2	Unloaded Housings	.895 (22.73)	.97	.87	.83	.78
571-1039468	103946-8	B	9	2	A	.995 (25.27)	1.37	1.30	1.17	1.11
571-1039458	103945-8	B	9	2	B	.995 (25.27)	1.44	1.37	1.23	1.16
571-1039448	103944-8	B	9	2	C	.995 (25.27)	1.21	1.09	1.03	.97
571-1036538	103653-8	B	9	2	Unloaded Housings	.995 (25.27)	1.01	.91	.86	.81
571-1039469	103946-9	B	10	2	A	1.095 (27.81)	1.70	1.62	1.46	1.38
571-1039459	103945-9	B	10	2	B	1.095 (27.81)	2.05	1.95	1.76	1.66
571-1039449	103944-9	B	10	2	C	1.095 (27.81)	1.57	1.50	1.35	1.27
571-1036539	103653-9	B	10	2	Unloaded Housings	1.095 (27.81)	1.07	.96	.91	.86

Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-8434771	843477-1	Extraction Tool	14.05
571-580741	58074-1	Manual handle without head	58.28
571-583361	58336-1	Head, IDC	1020.60

AMPMODU™ MTE Interconnection System

INTERCHANGEABLE CONTACTS, WIRE CRIMP (SNAP-IN)

To be used with MTE Unloaded Housings.

Plating Code:

A: Duplex plated .000030 (0.00076) gold on contact area. .000100 (0.00254) min. tin-lead on solder area, with entire post underplated .000050 (0.00127) nickel.
B: Duplex plated .000015 (0.00038) gold on contact area. .000100 (0.00254) min. tin-lead on solder area, with entire post underplated .000050 (0.00127) nickel.
C: .000100 (0.00254) tin-lead over .000050 (0.00127) nickel on entire post

Short Point Receptacles

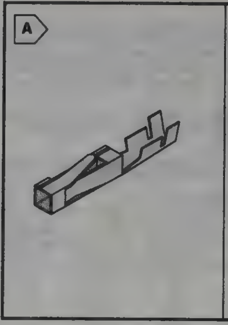
For quantities of 2000 and up, call for quote.

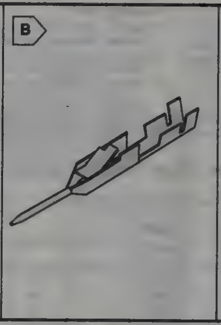
MOUSER STOCK NO.	AMP Part No.	Fig.	Plating	Wire Size AWG	Insulation Diameter Range (In.)	Price Each			
						1	100	500	1000
571-1044818	104481-8	A	A	32-28	.025-.060	.19	.16	.13	.11
571-1044817	104481-7	A	B	32-28	.025-.060	.13	.11	.09	.08
571-1044816	104481-6	A	C	32-28	.025-.060	.13	.12	.11	.10
571-1044809	104480-9	A	A	26-22	.025-.060	.14	.12	.10	.09
571-1044808	104480-8	A	B	26-22	.025-.060	.13	.11	.09	.08
571-1044807	104480-7	A	C	26-22	.025-.060	.13	.12	.11	.10

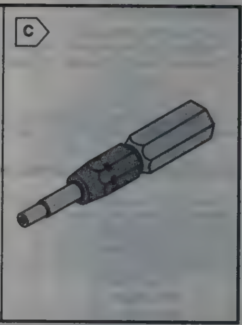
Pins

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Plating	Wire Size AWG	Insulation Diameter Range (In.)	Price Each			
						1	100	500	1000
571-1045067	104506-7	B	A	32-28	.025-.054	.38	.36	.34	.32
571-1045065	104506-5	B	B	32-28	.025-.054	.32	.29	.27	.26
571-1045057	104505-7	B	A	26-22	.036-.054	.58	.53	.46	.41
571-1045055	104505-5	B	B	26-22	.036-.054	.35	.31	.30	.28
571-1045053	104505-3	B	C	26-22	.036-.054	.24	.21	.18	.16







TOOLS FOR MTE CONNECTORS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Wire Size AWG	Price Each
571-583422	58342-2	- -	Hand tool for pins	32-28	2494.80
571-915311	91531-1	- -	Hand tool for pins	26-22	519.12
571-914171	91417-1	C	Keying tool	-----	706.58
571-8434771	843477-1	- -	Extraction tool	-----	14.05
571-91518-1	91518-1	- -	Hand Tool for Short Point Receptacles	-----	504.00

MTE LATCHING HEADERS SQUARE STRAIGHT POST - SHROUDED

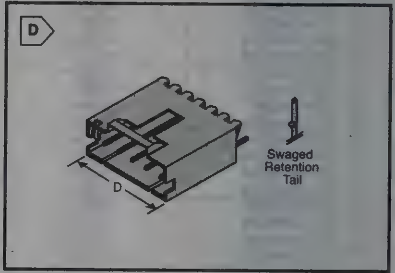
Material and Finish:

- .100" 2.54mm Centers
- Housing: Black thermoplastic, UL94V-0 rated
- .025" (0.64) Square Straight Post
- Posts: Copper alloy, plated as follows:

Plating Code:

A: Duplex plated .000030 (0.00076) gold on contact area. .000100 (0.00254) min. tin-lead on solder area, with entire post underplated .000050 (0.00127) nickel.
B: Duplex plated .000015 (0.00038) gold on contact area. .000100 (0.00254) min. tin-lead on solder area, with entire post underplated .000050 (0.00127) nickel.
C: .000100 (0.00254) tin-lead over .000050 (0.00127) nickel on entire post

Mates with Polarized/Latching Receptacle Assemblies.



Shrouded Polarized/Latching, Single-Row

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Plating	Dimension (In.) mm	Price Each			
						1	25	50	100
With Swage									
571-1039081	103908-1	D	2	A	.300 (7.62)	.58	.52	.48	.43
571-1036701	103670-1	D	2	B	.300 (7.62)	.61	.49	.44	.38
571-1036691	103669-1	D	2	C	.300 (7.62)	.48	.39	.35	.31
571-1039082	103908-2	D	3	A	.400 (10.16)	.68	.62	.58	.55
571-1036702	103670-2	D	3	B	.400 (10.16)	.44	.40	.38	.36
571-1036692	103669-2	D	3	C	.400 (10.16)	.41	.37	.35	.33
571-1039083	103908-3	D	4	A	.500 (12.70)	.54	.49	.46	.44
571-1036703	103670-3	D	4	B	.500 (12.70)	.76	.61	.55	.51
571-1036693	103669-3	D	4	C	.500 (12.70)	.69	.55	.50	.46
571-1039084	103908-4	D	5	A	.600 (15.24)	.70	.64	.61	.56
571-1036704	103670-4	D	5	B	.600 (15.24)	.54	.49	.46	.44
571-1036694	103669-4	D	5	C	.600 (15.24)	.49	.44	.41	.39
571-1039085	103908-5	D	6	A	.700 (17.78)	.76	.71	.68	.63
571-1036705	103670-5	D	6	B	.700 (17.78)	.59	.53	.50	.47
571-1036695	103669-5	D	6	C	.700 (17.78)	.52	.47	.44	.42
571-1039086	103908-6	D	7	A	.800 (20.32)	.72	.65	.61	.58
571-1036706	103670-6	D	7	B	.800 (20.32)	.76	.68	.64	.61
571-1036696	103669-6	D	7	C	.800 (20.32)	.56	.50	.47	.45
571-1039087	103908-7	D	8	A	.900 (22.86)	.78	.70	.66	.62
571-103670-7	103670-7	D	8	B	.900 (22.86)	.69	.62	.58	.55
571-1036697	103669-7	D	8	C	.900 (22.86)	.91	.72	.69	.66
571-1039088	103908-8	D	9	A	1.00 (25.40)	.90	.86	.77	.73
571-1036708	103670-8	D	9	B	1.00 (25.40)	.73	.66	.62	.59
571-1036698	103669-8	D	9	C	1.00 (25.40)	.63	.57	.54	.50
571-1039089	103908-9	D	10	A	1.10 (27.94)	.90	.81	.77	.72
571-1036709	103670-9	D	10	B	1.10 (27.94)	.93	.84	.79	.74
571-1036699	103669-9	D	10	C	1.10 (27.94)	.72	.68	.61	.58
571-11039081	1-103908-1	D	12	A	1.30 (33.02)	1.06	.95	.90	.85
571-11036701	1-103670-1	D	12	B	1.30 (33.02)	1.34	1.23	1.18	1.13
571-11036691	1-103669-1	D	12	C	1.30 (33.02)	.95	.90	.81	.77
571-11039083	1-103908-3	D	14	A	1.50 (38.10)	1.26	1.20	1.08	1.02
571-11036703	1-103670-3	D	14	B	1.50 (38.10)	1.50	1.35	1.27	1.20
571-11036693	1-103669-3	D	14	C	1.50 (38.10)	.91	.87	.78	.74
Without Swage									
571-1037351	103735-1	D	2	A	.300 (7.62)	.42	.38	.36	.34
571-1036381	103638-1	D	2	B	.300 (7.62)	.40	.36	.34	.32
571-103639-1	103639-1	D	2	C	.300 (7.62)	.52	.42	.37	.34
571-1037352	103735-2	D	3	A	.400 (10.16)	.48	.43	.41	.38
571-1036382	103638-2	D	3	B	.400 (10.16)	.66	.54	.48	.43
571-1036392	103639-2	D	3	C	.400 (10.16)	.41	.37	.35	.33
Without Swage (cont.)									
571-1037353	103735-3	D	4	A	.500 (12.70)	.54	.49	.46	.44
571-1036383	103638-3	D	4	B	.500 (12.70)	.50	.45	.42	.40
571-1036393	103639-3	D	4	C	.500 (12.70)	.41	.37	.35	.33
571-1037354	103735-4	D	5	A	.600 (15.24)	.60	.54	.51	.48
571-1036384	103638-4	D	5	B	.600 (15.24)	.83	.67	.60	.54
571-1036394	103639-4	D	5	C	.600 (15.24)	.50	.45	.43	.40
571-1037355	103735-5	D	6	A	.700 (17.78)	.71	.67	.61	.57
571-1036385	103638-5	D	6	B	.700 (17.78)	.59	.53	.50	.47
571-1036395	103639-5	D	6	C	.700 (17.78)	.62	.56	.53	.50
571-1037356	103735-6	D	7	A	.800 (20.32)	.72	.65	.61	.58
571-1036386	103638-6	D	7	B	.800 (20.32)	.64	.58	.54	.51
571-1036396	103639-6	D	7	C	.800 (20.32)	.55	.53	.47	.45
571-1037357	103735-7	D	8	A	.900 (22.86)	.78	.70	.66	.62
571-1036387	103638-7	D	8	B	.900 (22.86)	.69	.62	.58	.55
571-1036397	103639-7	D	8	C	.900 (22.86)	.63	.60	.54	.51
571-1037358	103735-8	D	9	A	1.00 (25.40)	.91	.82	.77	.73
571-1036388	103638-8	D	9	B	1.00 (25.40)	.73	.66	.62	.59
571-1036398	103639-8	D	9	C	1.00 (25.40)	.61	.58	.52	.49
571-1037359	103735-9	D	10	A	1.10 (27.94)	1.11	1.06	.95	.90
571-1036389	103638-9	D	10	B	1.10 (27.94)	.81	.73	.69	.65
571-1036399	103639-9	D	10	C	1.10 (27.94)	.67	.60	.57	.54
571-11037351	1-103735-1	D	12	A	1.30 (33.02)	1.06	1.01	.91	.86
571-11036381	1-103638-1	D	12	B	1.30 (33.02)	.92	.83	.78	.73
571-11036391	1-103639-1	D	12	C	1.30 (33.02)	.87	.83	.74	.70
571-11037353	1-103735-3	D	14	A	1.50 (38.10)	1.50	1.43	1.28	1.21
571-11036383	1-103638-3	D	14	B	1.50 (38.10)	1.02	.91	.86	.81
571-11036393	1-103639-3	D	14	C	1.50 (38.10)	.91	.87	.78	.74

For quantities of 200 and up, call for quote.

High-Temp, with Swage

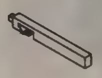
For quantities of 200 and up, call for quote.

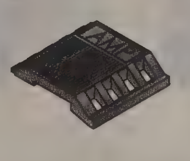
571-1043621	104362-1	D	2	B	.300 (7.62)	.47	.42	.40	.37
571-1043622	104362-2	D	3	B	.400 (10.16)	.72	.64	.61	.57
571-1043623	104362-3	D	4	B	.500 (12.70)	.95	.85	.80	.76
571-1043624	104362-4	D	5	B	.600 (15.24)	.68	.65	.59	.55
571-1043625	104362-5	D	6	B	.700 (17.78)	.90	.81	.76	.72
571-1043626	104362-6	D	7	B	.800 (20.32)	.95	.90	.81	.77
571-1043627	104362-7	D	8	B	.900 (22.86)	.94	.85	.80	.75
571-1043628	104362-8	D	9	B	1.00 (25.40)	.84	.75	.71	.67
571-1043629	104362-9	D	10	B	1.10 (27.94)	.99	.94	.85	.80
571-11043621	1-104362-1	D	12	B	1.30 (33.02)	3.73	3.35	3.17	2.98

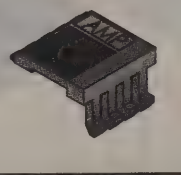
AMPMODU™ MT Connectors

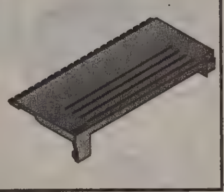
A

B

C


D


E


F


The AMPMODU™ Interconnection system offers labor and cost savings through mass termination technology, while maintaining the time-proven reliability of the AMPMODU™ product family. The MT system is comprised of preloaded, double-row receptacle assemblies with snap-on covers and a variety of shielding hardware and accessories. The IDC, features a mating interface that is the same as the conventional AMPMODU™ crimp, snap-in contact, featuring dual cantilever beams, built-in overstress protection and a completely enclosed box design.

RECEPTACLE ASSEMBLIES, DOUBLE-ROW .100" X .100" CENTERLINE

Housings Preloaded with Standard Pressure Contacts

Material and Finish:

- Housing: Black Thermoplastic, flame retardant
- Contacts: Copper alloy, duplex plated .000030 (0.00076) gold on contact area, .000050 (0.00127) min. tin in crimp area, with entire contact underplated .000050 (0.00127) nickel.
- Cable Insulation Diameter: .050 (1.27) max.
- Mating Post Length: .222-.273 (5.64-6.94) max.
- Stamped Housings: Cavity identification - first cavity (one side); AMP part no. and date code stamped on housing where size permits.
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size AWG	Price Each			
					1	25	50	100
571-5-102393-1	5-102393-1	A	6	30-26	1.87	1.78	1.60	1.87
571-5-102393-2	5-102393-2	A	8	30-26	2.35	2.24	2.02	2.35
571-5-102393-3	5-102393-3	A	10	30-26	2.56	2.30	2.18	2.05
571-5-102393-4	5-102393-4	A	12	30-26	3.26	3.10	2.79	3.26
571-5-102393-5	5-102393-5	A	14	30-26	3.78	3.60	3.24	3.78
571-5-102393-6	5-102393-6	A	16	30-26	5.06	4.82	4.34	5.06
571-5-102393-7	5-102393-7	A	18	30-26	6.87	6.54	5.89	6.87
571-5-102393-8	5-102393-8	A	20	30-26	5.36	5.10	4.59	5.36
571-6-102393-0	6-102393-0	A	24	30-26	6.51	6.20	5.58	6.51
571-6-102393-1	6-102393-1	A	26	30-26	5.59	5.32	4.79	5.59
571-6-102393-3	6-102393-3	A	30	30-26	8.13	7.74	6.97	8.13
571-6-102393-5	6-102393-5	A	34	30-26	9.16	8.72	7.85	9.16
571-6-102393-8	6-102393-8	A	40	30-26	8.06	7.68	6.91	8.06
571-7-102393-3	7-102393-3	A	50	30-26	9.77	9.30	8.37	9.77
571-7-102393-8	7-102393-8	A	60	30-26	11.53	10.98	9.88	11.53
571-5-102398-1	5-102398-1	A	6	26-22	2.02	1.92	1.73	2.02
571-5-102398-2	5-102398-2	A	8	26-22	2.34	2.11	1.99	1.87
571-5-102398-3	5-102398-3	A	10	26-22	2.56	2.30	2.18	2.05
571-5-102398-4	5-102398-4	A	12	26-22	3.04	2.74	2.58	2.43
571-5-102398-5	5-102398-5	A	14	26-22	3.78	3.60	3.24	3.78
571-5-102398-6	5-102398-6	A	16	26-22	3.60	3.24	3.06	2.88
571-5-102398-7	5-102398-7	A	18	26-22	3.70	3.33	3.15	2.96
571-5-102398-8	5-102398-8	A	20	26-22	4.86	4.37	4.13	3.89
571-6-102398-0	6-102398-0	A	24	26-22	6.08	5.47	5.17	4.86
571-6-102398-1	6-102398-1	A	26	26-22	4.58	4.12	3.89	3.66
571-6-102398-3	6-102398-3	A	30	26-22	8.13	7.74	6.97	8.13
571-6-102398-5	6-102398-5	A	34	26-22	9.16	8.72	7.85	9.16
571-6-102398-8	6-102398-8	A	40	26-22	7.52	6.77	6.39	6.02
571-7-102398-3	7-102398-3	A	50	26-22	9.77	9.30	8.37	9.77
571-7-102398-8	7-102398-8	A	60	26-22	11.53	10.98	9.88	11.53
571-5-102448-1	5-102448-1	A	6	22-20	3.70	3.52	3.17	3.70
571-5-102448-2	5-102448-2	A	8	22-20	2.35	2.24	2.02	2.35
571-5-102448-3	5-102448-3	A	10	22-20	2.75	2.62	2.36	2.75
571-5-102448-4	5-102448-4	A	12	22-20	3.26	3.10	2.79	3.26
571-5-102448-5	5-102448-5	A	14	22-20	3.78	3.60	3.24	3.78
571-5-102448-6	5-102448-6	A	16	22-20	4.35	4.14	3.73	4.35
571-5-102448-7	5-102448-7	A	18	22-20	4.87	4.64	4.18	4.87
571-5-102448-8	5-102448-8	A	20	22-20	5.00	4.50	4.25	4.00
571-6-102448-0	6-102448-0	A	24	22-20	6.51	6.20	5.58	6.51
571-6-102448-1	6-102448-1	A	26	22-20	5.59	5.32	4.79	5.59
571-6-102448-2	6-102448-2	A	28	22-20	4.28	3.85	3.64	3.42
571-6-102448-3	6-102448-3	A	30	22-20	8.13	7.74	6.97	8.13
571-6-102448-8	6-102448-8	A	40	22-20	10.19	9.70	8.73	10.19
571-7-102448-3	7-102448-3	A	50	22-20	9.77	9.30	8.37	9.77
571-7-102448-8	7-102448-8	A	60	22-20	11.72	11.16	10.04	11.72

Housings Preloaded with High Pressure Contacts

- Mating post length: .200-.273 (5.64-6.94)
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size AWG	Price Each			
					1	25	50	100
571-5-102694-1	5-102694-1	A	6	26-22	2.02	1.92	1.73	1.63
571-5-102694-2	5-102694-2	A	8	26-22	2.35	2.24	2.02	1.90
571-1-102694-0	1-102694-0	A	10	26-22	3.10	2.84	2.68	2.53
571-5-102694-4	5-102694-4	A	12	26-22	3.26	3.10	2.79	2.64
571-5-102694-5	5-102694-5	A	14	26-22	5.31	5.06	4.55	4.30
571-5-102694-6	5-102694-6	A	16	26-22	4.35	4.14	3.73	3.52
571-5-102694-7	5-102694-7	A	18	26-22	4.87	4.64	4.18	3.94
571-5-102694-8	5-102694-8	A	20	26-22	5.36	5.10	4.59	4.34

KEYING PLUGS

RoHS Compliant

- RoHS Compliant per Tyco Electronics documentation

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	100	500	1000
571-862861	86286-1	B	Plugs into receptacle contact	.17	.16	.15	.14
571-870772	87077-2	C	Plugs directly into housing	.14	.12	.10	.09

COVERS FOR MT RECEPTACLE ASSEMBLIES

Front Covers - Low Profile, Non-Polarizing

- Use with shielded connectors
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Price Each			
				1	25	50	100
571-1025411	102541-1	D	6	.27	.24	.23	.21
571-1025412	102541-2	D	8	.46	.42	.39	.37
571-1025413	102541-3	D	10	.27	.24	.23	.21
571-1025414	102541-4	D	12	.44	.40	.38	.35
571-1025415	102541-5	D	14	.45	.41	.38	.36
571-1025416	102541-6	D	16	.34	.30	.29	.27
571-1025417	102541-7	D	18	1.00	.95	.86	.81
571-1025418	102541-8	D	20	1.04	.93	.88	.83
571-11025410	1-102541-0	D	24	.50	.45	.43	.40
571-11025411	1-102541-1	D	26	.77	.69	.66	.62
571-11025413	1-102541-3	D	30	.63	.57	.54	.50
571-11025415	1-102541-5	D	34	.79	.71	.67	.63
571-11025418	1-102541-8	D	40	1.51	1.36	1.28	1.20
571-21025413	2-102541-3	D	50	1.44	1.30	1.22	1.15
571-21025418	2-102541-8	D	60	1.68	1.51	1.43	1.34

Back Covers - Low Profile

- Use for shielding and non-sheilding applications
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

571-1025361	102536-1	E	6	.27	.24	.23	.21
571-1025362	102536-2	E	8	1.01	.93	.68	.57
571-1025363	102536-3	E	10	.30	.27	.25	.24
571-1025364	102536-4	E	12	.75	.68	.64	.60
571-1025365	102536-5	E	14	.76	.68	.64	.61
571-1025366	102536-6	E	16	.81	.73	.69	.65
571-1025367	102536-7	E	18	.76	.68	.64	.61
571-1025368	102536-8	E	20	.42	.38	.36	.34
571-11025360	1-102536-0	E	24	.95	.89	.84	.79
571-11025361	1-102536-1	E	26	.55	.49	.46	.44
571-11025363	1-102536-3	E	30	.92	.83	.78	.74
571-11025365	1-102536-5	E	34	1.24	1.17	.92	.87
571-11025368	1-102536-8	E	40	1.49	1.42	1.28	1.21
571-21025363	2-102536-3	E	50	1.49	1.34	1.27	1.19
571-21025368	2-102536-8	E	60	1.59	1.43	1.35	1.27

Hermaphroditic Cover - Standard Profile

- Two covers required per connector
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

571-1023961	102396-1	F	6	.87	.78	.74	.69
571-1023962	102396-2	F	8	1.02	.92	.87	.82
571-1023963	102396-3	F	10	1.18	1.13	1.01	.96
571-1023964	102396-4	F	12	1.27	1.21	1.09	1.03
571-1023965	102396-5	F	14	1.93	1.73	1.64	1.54
571-1023966	102396-6	F	16	.77	.70	.66	.62
571-1023967	102396-7	F	18	.48	.43	.41	.38
571-1023968	102396-8	F	20	1.48	1.33	1.26	1.18
571-11023960	1-102396-0	F	24	1.65	1.48	1.40	1.32
571-11023961	1-102396-1	F	26	1.21	1.09	1.03	.96
571-11023962	1-102396-2	F	28	1.30	1.17	1.10	1.04
571-11023963	1-102396-3	F	30	.89	.80	.76	.71
571-11023965	1-102396-5	F	34	1.01	.91	.86	.81
571-11023968	1-102396-8	F	40	1.19	1.07	1.01	.95
571-21023963	2-102396-3	F	50	2.10	1.89	1.79	1.68
571-21023968	2-102396-8	F	60	1.21	1.09	1.03	.97

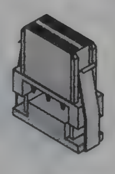
TOOLS

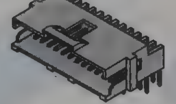
For quantities greater than listed, call for quote.

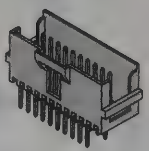
MOUSER STOCK NO.	AMP Part No.	Description	Price Each	
			1	5
571-580741	58074-1	Manual handle w/o head	58.28	52.45
571-580621	58062-1	Head IDC, only	318.78	289.80

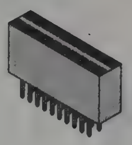
AMPMODU™ System 50 Connectors

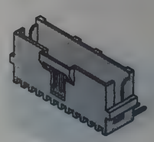
RoHS Compliant This page of product is compliant.

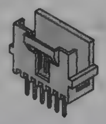

A

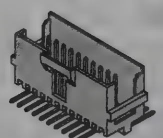

B

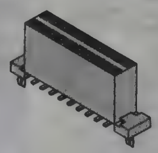

C

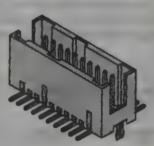

D

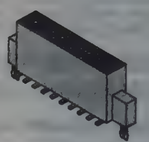

E


F


G


H


I


J

CABLE TO BOARD CONNECTORS

Specifications:

- Housing: Thermoplastic, UL94V-0 rated
- Latches: Stainless Steel
- Contacts: Gold over Nickel
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

Receptacle, Dual Row IDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Price Each		
				1	25	100
571-2-111196-5	2-111196-5	A	10	3.32	2.99	2.74
571-1-111196-8	1-111196-8	A	20	4.84	4.37	3.19
571-2-111196-8	2-111196-8	A	24	6.22	5.60	5.29
571-2-111196-9	2-111196-9	A	26	6.60	5.94	5.61
571-1-111196-9	1-111196-9	A	30	7.40	6.66	6.29
571-2-111196-0	2-111196-0	A	40	8.96	8.06	7.62
571-2-111196-1	2-111196-1	A	50	10.82	9.74	9.20
571-2-111196-2	2-111196-2	A	60	12.52	11.27	10.64
571-3-111196-3	3-111196-3	A	80	15.96	14.36	13.57
571-2-111196-4	2-111196-4	A	100	19.04	17.14	16.18
Header, Right Angle Dual Row, Protected						
571-5-104069-4	5-104069-4	B	10	1.30	1.17	1.11
571-5-104069-1	5-104069-1	B	20	3.94	3.55	3.35
571-6-104069-2	6-104069-2	B	24	3.00	2.70	2.55
571-5-104069-5	5-104069-5	B	30	4.24	3.82	3.60
571-5-104069-6	5-104069-6	B	40	7.76	6.98	6.60
571-5-104069-2	5-104069-2	B	50	9.76	8.78	8.30
571-5-104069-7	5-104069-7	B	60	11.74	10.57	9.98
571-5-104069-3	5-104069-3	B	80	15.58	14.02	13.24
571-6-104069-7	6-104069-7	B	100	19.50	17.55	16.58
Header, Vertical Dual Row, Protected						
571-6-104068-0	6-104068-0	C	16	1.92	1.73	1.63
571-5-104068-1	5-104068-1	C	20	3.24	3.09	2.73
571-6-104068-1	6-104068-1	C	24	2.80	2.52	2.38
571-5-104068-3	5-104068-3	C	30	5.34	4.81	4.54
571-5-104068-4	5-104068-4	C	40	7.08	6.37	6.02
571-5-104068-5	5-104068-5	C	50	8.88	7.99	7.55
571-5-104068-6	5-104068-6	C	60	10.32	9.29	8.77
571-6-104068-8	6-104068-8	C	68	12.06	10.85	10.25
571-6-104068-6	6-104068-6	C	80	10.32	9.29	8.77
571-6-104068-7	6-104068-7	C	100	17.76	15.98	15.10
Receptacle, Vertical Dual Row						
571-5-104078-1	5-104078-1	D	20	4.24	3.82	3.60
571-5-104078-9	5-104078-9	D	24	4.96	4.46	4.22
571-5-104078-4	5-104078-4	D	30	4.34	3.91	3.69
571-5-104078-2	5-104078-2	D	40	5.78	5.20	4.91
571-5-104078-5	5-104078-5	D	50	7.24	6.52	6.15
571-5-104078-6	5-104078-6	D	60	8.42	7.58	7.16
571-5-104078-7	5-104078-7	D	80	17.02	15.32	14.47
571-5-104078-8	5-104078-8	D	100	14.46	13.01	12.29
Header, Right Angle, Single Row, Protected						
571-5-104074-7	5-104074-7	E	4	1.48	1.33	1.26
571-5-104074-8	5-104074-8	E	6	1.26	1.13	1.07
571-6-104074-0	6-104074-0	E	8	1.44	1.30	1.22
571-5-104074-1	5-104074-1	E	10	1.64	1.48	1.39
571-6-104074-1	6-104074-1	E	12	2.72	2.45	2.31
571-5-104074-3	5-104074-3	E	15	2.26	2.03	1.92
571-5-104074-4	5-104074-4	E	20	4.50	4.05	3.83
Header, Vertical, Single Row, Protected						
571-5-104071-7	5-104071-7	F	4	.82	.74	.70
571-5-104071-8	5-104071-8	F	6	1.30	1.17	1.11
571-6-104071-0	6-104071-0	F	8	1.66	1.49	1.41
571-5-104071-1	5-104071-1	F	10	1.36	1.22	1.16
571-6-104071-1	6-104071-1	F	12	1.66	1.49	1.41
571-5-104071-3	5-104071-3	F	15	3.20	2.88	2.72
571-5-104071-4	5-104071-4	F	20	2.74	2.47	2.33

SMT HEADERS AND RECEPTACLES

Specifications:

- Housing: Thermoplastic, UL94V-0 rated
- Vertical, Dual Row
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

.050" x .100" Centerline, Board-to-Board

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Price Each		
				1	25	100
Header, Vertical Dual Row						
571-5-104549-2	5-104549-2	G	20	3.74	3.37	3.18
571-5-104549-5	5-104549-5	G	30	3.82	3.44	3.25
571-5-104549-6	5-104549-6	G	40	7.33	7.33	7.33
571-5-104549-7	5-104549-7	G	50	6.40	5.76	5.44
571-6-104549-0	6-104549-0	G	100	12.80	11.52	10.88
Receptacle, Vertical Dual Row						
571-5-104550-2	5-104550-2	H	20	3.02	2.72	2.57
571-5-104550-4	5-104550-4	H	30	4.42	3.98	3.76
571-5-104550-5	5-104550-5	H	40	6.08	5.47	5.17
571-5-104550-6	5-104550-6	H	50	7.58	6.82	6.44
571-5-104550-9	5-104550-9	H	100	15.18	13.66	12.90

SMT HEADERS AND RECEPTACLES

Specifications:

- Housing: Thermoplastic, UL94V-0 rated
- Vertical, Dual Row
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

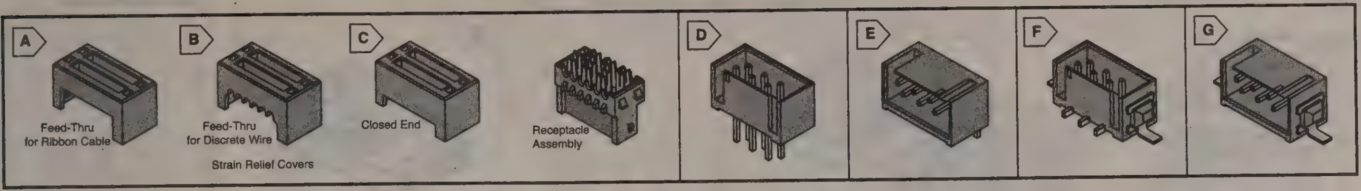
.050" x .050" Board to Board

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Mating Height (in.)	No. of Positions	Price Each		
					1	25	100
Header, Vertical Dual Row							
571-5-104655-3	5-104655-3	I	.250	20	4.02	3.62	3.42
571-5-104655-6	5-104655-6	I	.250	50	6.54	5.89	5.56
571-5-104655-8	5-104655-8	I	.250	70	7.44	6.70	6.32
571-6-104655-1	6-104655-1	I	.250	100	15.18	13.66	12.90
571-5-104656-2	5-104656-2	I	.320	20	4.02	3.62	3.42
571-5-104656-3	5-104656-3	I	.320	30	4.68	4.21	3.98
571-5-104656-4	5-104656-4	I	.320	40	5.90	5.31	5.02
571-5-104656-5	5-104656-5	I	.320	50	6.54	5.89	5.56
571-5-104656-7	5-104656-7	I	.320	70	7.02	6.32	5.97
571-6-104656-0	6-104656-0	I	.320	100	15.18	13.66	12.90
571-5-104693-2	5-104693-2	I	.390	20	4.02	3.62	3.42
571-5-104693-5	5-104693-5	I	.390	50	6.36	5.72	5.41
571-5-104693-7	5-104693-7	I	.390	70	7.44	6.70	6.32
571-6-104693-0	6-104693-0	I	.390	100	14.09	13.42	12.08
Receptacle, Vertical Dual Row							
571-5-104652-1	5-104652-1	J	-	10	2.70	2.43	2.30
571-5-104652-2	5-104652-2	J	-	20	3.44	3.10	2.92
571-5-104652-3	5-104652-3	J	-	30	4.34	3.91	3.69
571-5-104652-5	5-104652-5	J	-	50	7.18	6.46	6.10
571-5-104652-6	5-104652-6	J	-	60	7.78	7.00	6.61
571-5-104652-7	5-104652-7	J	-	70	8.46	7.61	7.19
571-5-104652-8	5-104652-8	J	-	80	9.44	8.50	8.02
571-6-104652-0	6-104652-0	J	-	100	10.58	9.52	8.99

AMP MTA .050" Series IDC Connectors and Headers

Tyco Electronics
Authorized Distributor



Features:

- Tin Plated
- Voltage Rating: 30VAC
- Current Rating: 1A max.
- Low-Level Resistance: 30mΩ
- Dielectric Withstanding Voltage: 500VAC
- Insulation Resistance: 1,000MΩ
- Operating Temperature: -55°C to +105°C for connector only
- Color Coding by Wire Size for UL94V-0 Connectors
  26 AWG - Blue, 28 AWG - Green
- Strain Relief Covers: UL94V-0 rated, thermoplastic, black
- Housing: UL94V-2 rated, thermoplastic
- Housing Contacts: Phosphor bronze; .000100 [0.00127] min. nickel;
  mating end: .000100 [0.00254] min. tin-lead
- Headers:
  Housing: UL94V-0 rated, thermoplastic, black
  Contacts: Brass, .000100 [0.00254] min. tin-lead
  over .000050 [0.00127] min. nickel on solder legs;
  mating end: .000100 [0.00254] min. tin-lead

FEED-THRU RECEPTACLE ASSEMBLIES - FOR RIBBON CABLE

RoHS Compliant

Connector assembly consists of Receptacle Assembly and Strain Relief Cover
- RoHS Compliant per Tyco Electronics documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Wire Size (AWG)	Price Each		
					1	10	100
571-14453592	1445359-2	A	2	26	.35	.33	.31
571-14453593	1445359-3	A	3	26	.40	.36	.34
571-14453594	1445359-4	A	4	26	.48	.44	.41
571-14453595	1445359-5	A	5	26	.57	.51	.48
571-14453596	1445359-6	A	6	26	.67	.64	.60
571-14453598	1445359-8	A	8	26	.81	.73	.69
571-114453590	1-1445359-0	A	10	26	1.20	1.14	1.08
571-114453592	1-1445359-2	A	12	26	1.54	1.46	1.38
571-14453622	1445362-2	A	2	28	.32	.29	.27
571-14453623	1445362-3	A	3	28	.40	.36	.34
571-14453624	1445362-4	A	4	28	.48	.44	.41
571-14453625	1445362-5	A	5	28	.57	.51	.48
571-14453626	1445362-6	A	6	28	.67	.64	.60
571-14453628	1445362-8	A	8	28	.81	.73	.69
571-114453620	1-1445362-0	A	10	28	1.20	1.14	1.08
571-114453622	1-1445362-2	A	12	28	1.54	1.46	1.38

FEED-THRU RECEPTACLE ASSEMBLIES - FOR DISCRETE WIRE

RoHS Compliant

Connector assembly consists of Receptacle Assembly and Strain Relief Cover
- RoHS Compliant per Tyco Electronics documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Wire Size (AWG)	Price Each		
					1	10	100
571-14453412	1445341-2	B	2	26	.35	.33	.31
571-14453413	1445341-3	B	3	26	.40	.36	.34
571-14453414	1445341-4	B	4	26	.48	.44	.41
571-14453415	1445341-5	B	5	26	.57	.51	.48
571-14453416	1445341-6	B	6	26	.67	.64	.60
571-14453418	1445341-8	B	8	26	.81	.73	.69
571-114453410	1-1445341-0	B	10	26	1.20	1.14	1.08
571-114453412	1-1445341-2	B	12	26	1.54	1.46	1.38
571-14453442	1445344-2	B	2	28	.35	.33	.31
571-14453443	1445344-3	B	3	28	.40	.36	.34
571-14453444	1445344-4	B	4	28	.48	.44	.41
571-14453445	1445344-5	B	5	28	.57	.51	.48
571-14453446	1445344-6	B	6	28	.67	.64	.60
571-14453448	1445344-8	B	8	28	.81	.73	.69
571-114453440	1-1445344-0	B	10	28	1.20	1.14	1.08
571-114453442	1-1445344-2	B	12	28	1.54	1.46	1.38

CLOSED END RECEPTACLE ASSEMBLIES - FOR DISCRETE WIRE

RoHS Compliant

Connector assembly consists of Receptacle Assembly and Strain Relief Cover
- RoHS Compliant per Tyco Electronics documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Wire Size (AWG)	Price Each		
					1	10	100
571-14453502	1445350-2	C	2	26	.35	.33	.31
571-14453503	1445350-3	C	3	26	.40	.36	.34
571-14453504	1445350-4	C	4	26	.48	.44	.41
571-14453505	1445350-5	C	5	26	.57	.51	.48
571-14453506	1445350-6	C	6	26	.67	.64	.60
571-14453508	1445350-8	C	8	26	.81	.73	.69
571-114453500	1-1445350-0	C	10	26	1.20	1.14	1.08
571-114453502	1-1445350-2	C	12	26	1.54	1.46	1.38
571-14453532	1445353-2	C	2	28	.35	.33	.31
571-14453533	1445353-3	C	3	28	.40	.36	.34
571-14453534	1445353-4	C	4	28	.48	.44	.41
571-14453535	1445353-5	C	5	28	.57	.51	.48
571-14453536	1445353-6	C	6	28	.67	.64	.60
571-14453538	1445353-8	C	8	28	.81	.73	.69
571-114453530	1-1445353-0	C	10	28	1.20	1.14	1.08
571-114453532	1-1445353-2	C	12	28	1.54	1.46	1.38

VERTICAL THROUGH-HOLE HEADERS

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
571-14451202	1445120-2	D	2	.21	.20	.19
571-14451203	1445120-3	D	3	.27	.25	.23
571-14451204	1445120-4	D	4	.32	.30	.29
571-14451205	1445120-5	D	5	.36	.33	.31
571-14451206	1445120-6	D	6	.42	.38	.36
571-14451208	1445120-8	D	8	.56	.53	.50
571-114451200	1-1445120-0	D	10	.78	.70	.66
571-114451202	1-1445120-2	D	12	1.02	.97	.92

RIGHT-ANGLE THROUGH-HOLE HEADERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
571-14451692	1445169-2	E	2	.24	.21	.19
571-14451693	1445169-3	E	3	.28	.25	.23
571-14451694	1445169-4	E	4	.35	.31	.29
571-14451695	1445169-5	E	5	.42	.36	.34
571-14451696	1445169-6	E	6	.46	.41	.39
571-14451698	1445169-8	E	8	.61	.56	.52
571-114451690	1-1445169-0	E	10	.81	.73	.70
571-114451692	1-1445169-2	E	12	1.04	.94	.90

VERTICAL SURFACE MOUNT HEADERS

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
571-14451212	1445121-2	F	2	.66	.59	.56
571-14451213	1445121-3	F	3	.73	.66	.63
571-14451214	1445121-4	F	4	.82	.74	.70
571-14451215	1445121-5	F	5	.97	.92	.83
571-14451216	1445121-6	F	6	1.02	.97	.92
571-14451218	1445121-8	F	8	1.19	1.13	1.07
571-114451210	1-1445121-0	F	10	1.35	1.28	1.21
571-114451212	1-1445121-2	F	12	1.52	1.44	1.37

RIGHT-ANGLE SURFACE MOUNT HEADERS

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
571-14451722	1445172-2	G	2	.57	.55	.52
571-14451723	1445172-3	G	3	.66	.59	.56
571-14451724	1445172-4	G	4	.75	.67	.63
571-14451725	1445172-5	G	5	.85	.76	.72
571-14451726	1445172-6	G	6	.93	.84	.79
571-14451728	1445172-8	G	8	1.16	1.10	1.04
571-114451720	1-1445172-0	G	10	1.35	1.28	1.21
571-114451722	1-1445172-2	G	12	1.50	1.35	1.27

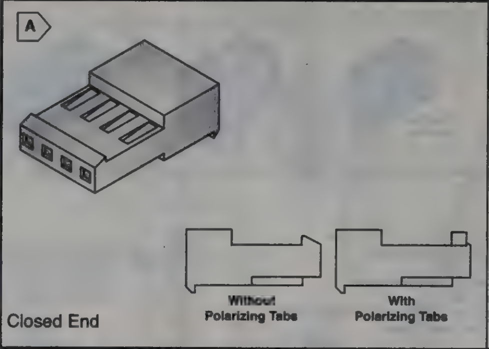
AMP MTA .100" Series IDC Connectors

Tyco Electronics
Authorized Distributor

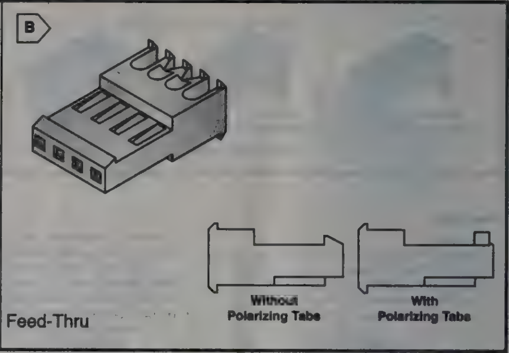
Specifications:
- Voltage rating: 250VAC
- Current rating: 4 Amp max.
- Low-level resistance: 5mΩ max. initial
- Operating temp.: -55°C to +105°C
- Dielectric withstanding Voltage: 750VAC/1Min.
- Insulation resistance: 5000MΩ min. initial
- Pre-loaded with contacts

File No.
LR7189

File No.
E28476



Closed End



Feed-Thru

CLOSED END STYLE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size (AWG)	Color	Price Each		
						1	10	100
Closed End without Polarizing Tabs								
571-6404402	640440-2	A	2	22	Red	.14	.13	.12
571-6404403	640440-3	A	3	22	Red	.19	.17	.15
571-6404404	640440-4	A	4	22	Red	.26	.23	.20
571-6404405	640440-5	A	5	22	Red	.32	.26	.22
571-6404406	640440-6	A	6	22	Red	.24	.22	.21
571-6404407	640440-7	A	7	22	Red	.46	.42	.39
571-6404408	640440-8	A	8	22	Red	.43	.35	.31
571-6404409	640440-9	A	9	22	Red	.81	.73	.69
571-16404400	1-640440-0	A	10	22	Red	.57	.47	.45
571-6404412	640441-2	A	2	24	White	.14	.13	.12
571-6404413	640441-3	A	3	24	White	.19	.17	.15
571-6404414	640441-4	A	4	24	White	.19	.17	.15
571-6404415	640441-5	A	5	24	White	.36	.32	.27
571-6404416	640441-6	A	6	24	White	.36	.32	.27
571-6404417	640441-7	A	7	24	White	.29	.26	.24
571-6404418	640441-8	A	8	24	White	.48	.43	.34
571-6404419	640441-9	A	9	24	White	1.09	.98	.93
571-16404410	1-640441-0	A	10	24	White	.41	.37	.35
571-6404422	640442-2	A	2	26	Blue	.14	.13	.12
571-6404423	640442-3	A	3	26	Blue	.14	.12	.10
571-6404424	640442-4	A	4	26	Blue	.25	.21	.19
571-6404425	640442-5	A	5	26	Blue	.33	.26	.21
571-6404426	640442-6	A	6	26	Blue	.24	.22	.21
571-6404427	640442-7	A	7	26	Blue	.29	.26	.24
571-6404428	640442-8	A	8	26	Blue	.33	.29	.28
571-6404429	640442-9	A	9	26	Blue	1.09	.98	.93
571-16404420	1-640442-0	A	10	26	Blue	.41	.37	.35
571-6404432	640443-2	A	2	28	Green	.14	.13	.12
571-6404433	640443-3	A	3	28	Green	.14	.12	.10
571-6404434	640443-4	A	4	28	Green	.26	.23	.19
571-6404435	640443-5	A	5	28	Green	.23	.21	.19
571-6404436	640443-6	A	6	28	Green	.24	.22	.21
571-6404437	640443-7	A	7	28	Green	.29	.26	.24
571-6404438	640443-8	A	8	28	Green	.33	.29	.28
571-16404430	1-640443-0	A	10	28	Green	.41	.37	.35

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size (AWG)	Color	Price Each		
						1	10	100
Closed End with Polarizing Tabs								
571-6438132	643813-2	A	2	22	Red	.14	.13	.12
571-6438133	643813-3	A	3	22	Red	.14	.12	.10
571-6438134	643813-4	A	4	22	Red	.23	.21	.19
571-6438135	643813-5	A	5	22	Red	.37	.33	.30
571-6438136	643813-6	A	6	22	Red	.69	.62	.59
571-6438137	643813-7	A	7	22	Red	.29	.26	.24
571-6438138	643813-8	A	8	22	Red	.48	.45	.42
571-6438139	643813-9	A	9	22	Red	1.09	.98	.93
571-16438130	1-643813-0	A	10	22	Red	.59	.54	.46
571-6438142	643814-2	A	2	24	White	.14	.13	.12
571-6438143	643814-3	A	3	24	White	.19	.17	.14
571-6438144	643814-4	A	4	24	White	.18	.16	.15
571-6438145	643814-5	A	5	24	White	.37	.34	.30
571-6438146	643814-6	A	6	24	White	.35	.32	.28
571-6438147	643814-7	A	7	24	White	.29	.26	.24
571-6438148	643814-8	A	8	24	White	.33	.29	.28
571-6438149	643814-9	A	9	24	White	1.17	1.11	1.00
571-16438140	1-643814-0	A	10	24	White	.41	.37	.35
571-6438152	643815-2	A	2	26	Blue	.14	.13	.12
571-6438153	643815-3	A	3	26	Blue	.14	.12	.10
571-6438154	643815-4	A	4	26	Blue	.22	.20	.18
571-6438155	643815-5	A	5	26	Blue	.23	.21	.19
571-6438156	643815-6	A	6	26	Blue	.24	.22	.21
571-6438157	643815-7	A	7	26	Blue	.29	.26	.24
571-6438158	643815-8	A	8	26	Blue	.33	.29	.28
571-6438159	643815-9	A	9	26	Blue	1.17	1.11	1.00
571-16438150	1-643815-0	A	10	26	Blue	.41	.37	.35
571-6438162	643816-2	A	2	28	Green	.14	.13	.12
571-6438163	643816-3	A	3	28	Green	.14	.12	.10
571-6438164	643816-4	A	4	28	Green	.18	.16	.15
571-6438165	643816-5	A	5	28	Green	.23	.21	.19
571-6438166	643816-6	A	6	28	Green	.24	.22	.21
571-6438167	643816-7	A	7	28	Green	.29	.26	.24
571-6438168	643816-8	A	8	28	Green	.33	.29	.28
571-16438160	1-643816-0	A	10	28	Green	.41	.37	.35

FEED-THRU STYLE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size (AWG)	Color	Price Each		
						1	10	100
Feed-Thru without Polarizing Tabs								
571-6406202	640620-2	B	2	22	Red	.15	.14	.13
571-6406203	640620-3	B	3	22	Red	.19	.17	.15
571-6406204	640620-4	B	4	22	Red	.20	.18	.16
571-6406205	640620-5	B	5	22	Red	.23	.21	.19
571-6406206	640620-6	B	6	22	Red	.24	.22	.21
571-6406207	640620-7	B	7	22	Red	.29	.26	.24
571-6406208	640620-8	B	8	22	Red	.33	.29	.28
571-6406209	640620-9	B	9	22	Red	.81	.73	.69
571-16406200	1-640620-0	B	10	22	Red	.41	.37	.35
571-6406212	640621-2	B	2	24	White	.19	.16	.14
571-6406213	640621-3	B	3	24	White	.16	.15	.14
571-6406214	640621-4	B	4	24	White	.18	.16	.15
571-6406215	640621-5	B	5	24	White	.23	.21	.19
571-6406216	640621-6	B	6	24	White	.24	.22	.21
571-6406218	640621-8	B	8	24	White	.33	.29	.28
571-16406210	1-640621-0	B	10	24	White	.41	.37	.35
571-6406222	640622-2	B	2	26	Blue	.15	.14	.13
571-6406223	640622-3	B	3	26	Blue	.17	.15	.14
571-6406224	640622-4	B	4	26	Blue	.18	.16	.15
571-6406225	640622-5	B	5	26	Blue	.23	.21	.19
571-6406226	640622-6	B	6	26	Blue	.27	.25	.23

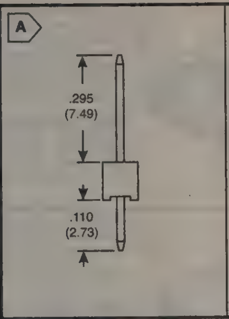
For quantities of 500 and up, call for quote.

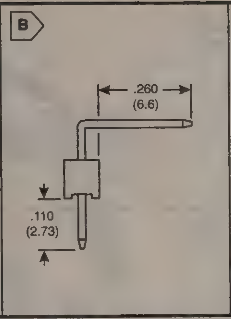
MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Wire Size (AWG)	Color	Price Each		
						1	10	100
Feed-Thru without Polarizing Tabs (cont.)								
571-6406228	640622-8	B	8	26	Blue	.33	.29	.28
571-6406232	640623-2	B	2	28	Green	.19	.16	.14
571-6406233	640623-3	B	3	28	Green	.21	.19	.17
571-6406234	640623-4	B	4	28	Green	.18	.16	.15
571-6406235	640623-5	B	5	28	Green	.23	.21	.19
571-6406236	640623-6	B	6	28	Green	.24	.22	.21
Feed-Thru with Polarizing Tabs								
571-6445402	644540-2	B	2	22	Red	.15	.14	.13
571-6445403	644540-3	B	3	22	Red	.17	.16	.15
571-6445404	644540-4	B	4	22	Red	.18	.16	.15
571-6445405	644540-5	B	5	22	Red	.23	.21	.19
571-6445406	644540-6	B	6	22	Red	.24	.22	.21
571-6445408	644540-8	B	8	22	Red	.33	.29	.28
571-6445632	644563-2	B	2	24	White	.19	.16	.14
571-6445633	644563-3	B	3	24	White	.21	.18	.15
571-6445634	644563-4	B	4	24	White	.18	.16	.15
571-6445635	644563-5	B	5	24	White	.23	.21	.19
571-6445636	644563-6	B	6	24	White	.24	.22	.21
571-6445638	644563-8	B	8	24	White	.33	.29	.28
571-6445639	644563-9	B	9	24	White	.81	.73	.69
571-6445654	644565-4	B	4	28	Green	.18	.16	.15

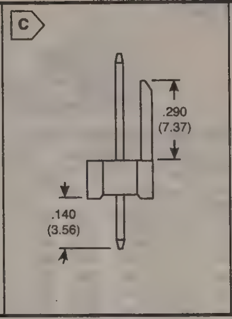
AMP MTA .100" IDC Headers

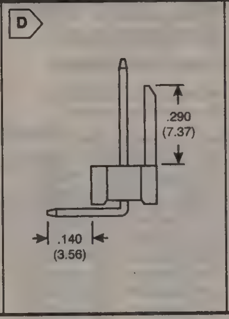
RoHS Compliant This page of product is compliant.

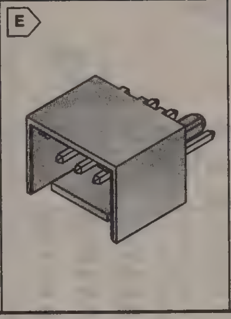
Tyco Electronics
Authorized Distributor

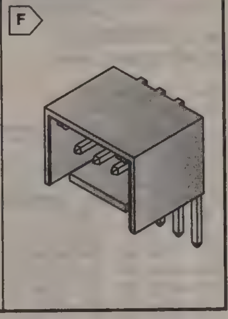
A


B


C


D


E


F


FLAT HEADERS

RoHS Compliant

Material and Finish:

- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated
- RoHS compliant per Tyco Electronics documentation

File No. E28476 File No. LR7189

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Straight Post						
571-6404522	640452-2	A	2	.20	.18	.17
571-6404523	640452-3	A	3	.17	.14	.12
571-6404524	640452-4	A	4	.27	.25	.23
571-6404525	640452-5	A	5	.33	.30	.26
571-6404526	640452-6	A	6	.37	.34	.32
571-6404527	640452-7	A	7	.35	.31	.30
571-6404528	640452-8	A	8	.50	.45	.42
571-16404520	1-640452-0	A	10	.62	.56	.53
571-16404522	1-640452-2	A	12	.75	.67	.64
571-16404524	1-640452-4	A	14	.87	.78	.74
571-16404526	1-640452-6	A	16	1.25	1.12	1.06
Right Angle Post						
571-6404532	640453-2	B	2	.12	.10	.09
571-6404533	640453-3	B	3	.21	.19	.18
571-6404534	640453-4	B	4	.29	.26	.24
571-6404535	640453-5	B	5	.36	.32	.30
571-6404536	640453-6	B	6	.39	.35	.33
571-6404537	640453-7	B	7	.45	.41	.39
571-6404538	640453-8	B	8	.36	.32	.31
571-6404539	640453-9	B	9	.58	.52	.50
571-16404530	1-640453-0	B	10	.56	.53	.48
571-16404532	1-640453-2	B	12	.78	.70	.66
571-16404534	1-640453-4	B	14	.91	.82	.77
571-16404536	1-640453-6	B	16	1.30	1.17	1.10

NARROW FLAT HEADERS

Material and Finish:

- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Straight Post						
571-3-644456-2	3-644456-2	A	2	.17	.15	.14
571-3-644456-3	3-644456-3	A	3	.17	.15	.14
571-3-644456-4	3-644456-4	A	4	.22	.20	.18
571-3-644456-5	3-644456-5	A	5	.35	.31	.30
571-3-644456-6	3-644456-6	A	6	.30	.27	.25
571-3-644456-7	3-644456-7	A	7	.35	.31	.30
571-3-644456-8	3-644456-8	A	8	.50	.50	.42
571-3-644456-9	3-644456-9	A	9	.45	.41	.38
571-4-644456-0	4-644456-0	A	10	.50	.45	.42
571-4-644456-2	4-644456-2	A	12	.75	.67	.64
571-4-644456-4	4-644456-4	A	14	.87	.78	.74
571-4-644456-6	4-644456-6	A	16	1.25	1.12	1.06
Staight Post with Retentive Leg						
571-3-644695-2	3-644695-2	A	2	.19	.16	.14
571-3-644695-3	3-644695-3	A	3	.20	.18	.16
571-3-644695-4	3-644695-4	A	4	.27	.25	.23
571-3-644695-5	3-644695-5	A	5	.30	.27	.25
571-3-644695-6	3-644695-6	A	6	.33	.30	.28
571-3-644695-7	3-644695-7	A	7	.38	.35	.33
571-3-644695-8	3-644695-8	A	8	.47	.45	.40
571-3-644695-9	3-644695-9	A	9	.49	.44	.42
Right Angle Post						
571-3-644457-2	3-644457-2	B	2	.15	.13	.11
571-3-644457-3	3-644457-3	B	3	.19	.16	.14
571-3-644457-4	3-644457-4	B	4	.23	.21	.19
571-3-644457-5	3-644457-5	B	5	.29	.26	.24
571-3-644457-6	3-644457-6	B	6	.39	.35	.33
571-3-644457-8	3-644457-8	B	8	.56	.53	.48

POLARIZED HEADERS

- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated or gold over nickel
- No 16 Position in Gold
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Straight Post, Tin Plated						
571-6404542	640454-2	C	2	.12	.11	.10
571-6404543	640454-3	C	3	.13	.12	.11
571-6404544	640454-4	C	4	.17	.14	.12
571-6404545	640454-5	C	5	.18	.15	.13
571-6404546	640454-6	C	6	.22	.19	.15
571-6404547	640454-7	C	7	.28	.25	.21
571-6404548	640454-8	C	8	.24	.21	.17
571-6404549	640454-9	C	9	.63	.54	.47
571-16404540	1-640454-0	C	10	.33	.29	.26
571-16404542	1-640454-2	C	12	.43	.40	.36
571-16404544	1-640454-4	C	14	.96	.86	.82
571-16404546	1-640454-6	C	16	1.37	1.23	1.16
Straight Post, Gold Plated						
571-3-641213-2	3-641213-2	C	2	.41	.36	.34
571-3-641213-3	3-641213-3	C	3	.65	.59	.55
571-3-641213-4	3-641213-4	C	4	.80	.72	.68
571-3-641213-5	3-641213-5	C	5	.85	.77	.73
571-3-641213-6	3-641213-6	C	6	1.15	1.10	.99
571-3-641213-8	3-641213-8	C	8	.73	.66	.62
571-4-641213-0	4-641213-0	C	10	1.72	1.64	1.47
571-4-641213-4	4-641213-4	C	14	2.42	2.30	2.07
Right Angle Post, Tin Plated						
571-6404552	640455-2	D	2	.12	.11	.10
571-6404553	640455-3	D	3	.13	.12	.11
571-6404554	640455-4	D	4	.13	.11	.10
571-6404555	640455-5	D	5	.16	.14	.12
571-6404556	640455-6	D	6	.24	.21	.17
571-6404557	640455-7	D	7	.20	.17	.15
571-6404558	640455-8	D	8	.27	.23	.21
571-6404559	640455-9	D	9	.62	.56	.52
571-16404550	1-640455-0	D	10	.20	.18	.17
Right Angle Post, Gold Plated						
571-3-641214-2	3-641214-2	D	2	.70	.63	.59
571-3-641214-4	3-641214-4	D	4	1.26	1.20	1.08
571-4-641216-0	4-641216-0	D	10	1.63	1.46	1.38
571-4-641214-2	4-641214-2	D	12	2.31	2.20	1.98

FRICTION LOCK HEADERS

- Posts: Copper alloy, tin plated or gold over nickel
- Housing: UL94V-0 rated, polyester, natural color
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Straight Post, Tin plated						
571-6404562	640456-2	C	2	.12	.11	.10
571-6404563	640456-3	C	3	.13	.12	.11
571-6404564	640456-4	C	4	.17	.15	.13
571-6404565	640456-5	C	5	.21	.19	.17
571-6404566	640456-6	C	6	.23	.20	.19
571-6404567	640456-7	C	7	.25	.21	.17

FRICTION LOCK HEADERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Straight Post, Tin plated (Cont.)						
571-6404568	640456-8	C	8	.24	.21	.18
571-6404569	640456-9	C	9	.49	.44	.42
571-16404560	1-640456-0	C	10	.31	.28	.25
571-16404562	1-640456-2	C	12	.46	.42	.37
571-16404564	1-640456-4	C	14	.85	.78	.72
571-16404566	1-640456-6	C	16	1.10	.99	.93
Straight Post, Gold plated						
571-3-641215-2	3-641215-2	C	2	.30	.27	.25
571-3-641215-3	3-641215-3	C	3	.50	.46	.44
571-3-641215-4	3-641215-4	C	4	.80	.72	.68
571-3-641215-5	3-641215-5	C	5	.94	.84	.80
571-3-641215-6	3-641215-6	C	6	1.13	1.02	.96
571-3-641215-7	3-641215-7	C	7	1.34	1.28	1.15
571-3-641215-8	3-641215-8	C	8	.69	.62	.58
571-4-641215-0	4-641215-0	C	10	1.46	1.31	1.24
571-4-641215-2	4-641215-2	C	12	1.89	1.80	1.62
571-4-641215-4	4-641215-4	C	14	2.26	2.03	1.92
571-4-641215-6	4-641215-6	C	16	3.58	3.41	3.07
Right Angle Post, Tin plated						
571-6404572	640457-2	D	2	.12	.11	.10
571-6404573	640457-3	D	3	.13	.12	.11
571-6404574	640457-4	D	4	.17	.15	.13
571-6404575	640457-5	D	5	.26	.22	.20
571-6404576	640457-6	D	6	.23	.21	.19
571-6404577	640457-7	D	7	.20	.17	.15
571-6404578	640457-8	D	8	.27	.23	.21
571-6404579	640457-9	D	9	.49	.44	.42
571-16404570	1-640457-0	D	10	.29	.26	.22
571-16404572	1-640457-2	D	12	.43	.39	.32
571-16404574	1-640457-4	D	14	.77	.69	.65
571-16404576	1-640457-6	D	16	1.10	.99	.93
Right Angle Post, Gold plated						
571-3-641216-5	3-641216-5	D	5	1.25	1.13	1.07
571-4-641216-0	4-641216-0	D	10	1.63	1.46	1.38
571-4-641216-2	4-641216-2	D	12	2.90	2.76	2.49
571-4-641216-6	4-641216-6	D	16	3.98	3.79	3.41

SHROUDED HEADERS

Material and Finish:

- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy, tin plated
- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Straight Post						
571-2-644486-2	2-644486-2	E	2	.51	.45	.37
571-2-644486-3	2-644486-3	E	3	.53	.48	.43
571-2-644486-4	2-644486-4	E	4	.82	.74	.69
571-2-644486-5	2-644486-5	E	5	1.02	.92	.87
571-2-644486-6	2-644486-6	E	6	.83	.74	.70
571-2-644486-7	2-644486-7	E	7	1.03	.98	.88
571-2-644486-8	2-644486-8	E	8	.49	.44	.42
571-2-644486-9	2-644486-9	E	9	2.55	2.43	2.19
571-3-644486-0	3-644486-0	E	10	1.96	1.76	1.66
571-3-644486-4	3-644486-4	E	14	2.78	2.65	2.39
Right Angle Post						
571-2-644488-2	2-644488-2	F	2	.42	.38	.36
571-2-644488-3	2-644488-3	F	3	.63	.57	.54
571-2-644488-4	2-644488-4	F	4	.85	.76	.72
571-2-644488-5	2-644488-5	F	5	.83	.75	.71
571-2-644488-7	2-644488-7	F	7	1.07	1.02	.92

AMP MTA .100" and .156" Connector Accessories

Tyco Electronics
Authorized Distributor

RoHS Compliant This page of product is compliant.

MTA .100" CONNECTOR ACCESSORIES

Strain Relief Covers

RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Closed End Strain Relief Covers						
571-6430752	643075-2	A	2	.29	.26	.23
571-6430753	643075-3	A	3	.35	.32	.29
571-6430754	643075-4	A	4	.38	.36	.34
571-6430755	643075-5	A	5	.43	.39	.35
571-6430756	643075-6	A	6	.43	.39	.35
571-6430757	643075-7	A	7	.30	.27	.25
571-6430758	643075-8	A	8	.33	.32	.29
571-6430759	643075-9	A	9	.33	.32	.29
571-16430750	1-643075-0	A	10	.33	.32	.29
571-16430752	1-643075-2	A	12	.33	.32	.29
571-16430754	1-643075-4	A	14	.34	.32	.29
571-16430756	1-643075-6	A	16	.92	.83	.78
Feed-Thru Strain Relief Covers						
571-6430772	643077-2	B	2	.37	.34	.32
571-6430773	643077-3	B	3	.18	.16	.14
571-6430774	643077-4	B	4	.17	.15	.14
571-6430775	643077-5	B	5	.42	.38	.35
571-6430776	643077-6	B	6	.46	.41	.39
571-6430777	643077-7	B	7	.64	.57	.54
571-6430778	643077-8	B	8	.29	.28	.25
571-6430779	643077-9	B	9	.62	.59	.53
571-16430770	1-643077-0	B	10	.33	.32	.29
571-16430772	1-643077-2	B	12	.33	.32	.29
571-16430774	1-643077-4	B	14	.34	.32	.29
571-16430776	1-643077-6	B	16	.34	.32	.29

Dust Covers

RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Closed End Dust Covers						
571-6405502	640550-2	C	2	.12	.11	.10
571-6405503	640550-3	C	3	.13	.12	.11
571-6405504	640550-4	C	4	.16	.14	.13
571-6405505	640550-5	C	5	.16	.14	.12
571-6405506	640550-6	C	6	.20	.18	.17
571-6405507	640550-7	C	7	.23	.20	.19
571-6405508	640550-8	C	8	.22	.20	.19
571-6405509	640550-9	C	9	.27	.25	.23
571-16405500	1-640550-0	C	10	.30	.27	.25
571-16405502	1-640550-2	C	12	.35	.32	.30
571-16405504	1-640550-4	C	14	.38	.36	.32
571-16405506	1-640550-6	C	16	.52	.47	.44
Feed-Thru Dust Covers						
571-6406423	640642-3	D	3	.13	.12	.11
571-6406424	640642-4	D	4	.14	.13	.12
571-6406425	640642-5	D	5	.12	.10	.09
571-6406426	640642-6	D	6	.18	.16	.15
571-6406427	640642-7	D	7	.20	.18	.17
571-6406428	640642-8	D	8	.25	.23	.21
571-6406429	640642-9	D	9	.24	.22	.21
571-16406420	1-640642-0	D	10	.26	.24	.22
571-16406422	1-640642-2	D	12	.31	.28	.27
571-16406424	1-640642-4	D	14	.35	.32	.30
571-16406426	1-640642-6	D	16	.23	.21	.20

Note: No 2 position Feed-Thru Dust Cover available

Keying Plug

RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Price Each		
			1	10	100
571-6419941	641994-1	- - -	.11	.10	.09

MTA .156" CONNECTOR ACCESSORIES

Strain Relief Covers

RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Closed End Strain Relief Covers						
571-6430672	643067-2	A	2	.41	.39	.36
571-6430673	643067-3	A	3	.45	.41	.36
571-6430674	643067-4	A	4	.33	.32	.29
571-6430675	643067-5	A	5	.34	.32	.29
571-6430676	643067-6	A	6	.34	.32	.29
571-6430677	643067-7	A	7	.34	.32	.29
571-6430678	643067-8	A	8	.32	.29	.27
571-6430679	643067-9	A	9	.35	.33	.30
571-16430670	1-643067-0	A	10	.35	.33	.30
571-16430672	1-643067-2	A	12	.35	.33	.30
571-16430674	1-643067-4	A	14	.36	.34	.31
571-16430676	1-643067-6	A	16	.36	.34	.31
Feed-Thru Strain Relief Covers						
571-6430712	643071-2	B	2	.26	.24	.22
571-6430713	643071-3	B	3	.39	.35	.33
571-6430714	643071-4	B	4	.52	.47	.45
571-6430715	643071-5	B	5	.44	.40	.38
571-6430716	643071-6	B	6	.24	.21	.20
571-6430717	643071-7	B	7	.60	.57	.51
571-6430718	643071-8	B	8	.33	.32	.29
571-6430719	643071-9	B	9	.33	.32	.29
571-16430710	1-643071-0	B	10	.96	.87	.82
571-16430712	1-643071-2	B	12	.97	.87	.82
571-16430714	1-643071-4	B	14	.36	.34	.31
571-16430716	1-643071-6	B	16	.98	.88	.83

Dust Covers

RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
Closed End Dust Covers						
571-6405512	640551-2	C	2	.15	.13	.11
571-6405513	640551-3	C	3	.19	.16	.14
571-6405514	640551-4	C	4	.18	.16	.15
571-6405515	640551-5	C	5	.20	.18	.17
571-6405516	640551-6	C	6	.23	.21	.20
571-6405517	640551-7	C	7	.26	.24	.22
571-6405518	640551-8	C	8	.29	.26	.25
571-6405519	640551-9	C	9	.31	.29	.26
571-16405510	1-640551-0	C	10	.35	.31	.30
571-16405512	1-640551-2	C	12	.40	.36	.34
571-16405514	1-640551-4	C	14	.23	.21	.20
571-16405516	1-640551-6	C	16	.50	.45	.42
Feed-Thru Dust Covers						
571-6406433	640643-3	D	3	.19	.16	.14
571-6406434	640643-4	D	4	.18	.16	.15
571-6406435	640643-5	D	5	.20	.18	.17
571-6406436	640643-6	D	6	.15	.13	.11
571-6406437	640643-7	D	7	.23	.21	.20
571-6406438	640643-8	D	8	.19	.16	.14
571-6406439	640643-9	D	9	.28	.26	.24
571-16406430	1-640643-0	D	10	.31	.28	.26
571-16406432	1-640643-2	D	12	.36	.32	.30

Note: No 2 position Feed-Thru Dust Cover available

Keying Plug

RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Price Each		
			1	10	100
Flush, used with keyed headers					
571-6406291	640629-1	E	.14	.12	.11

Panel Mount End Caps

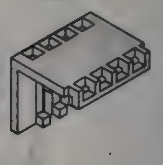
RoHS compliant per Tyco Electronics documentation

RoHS Compliant

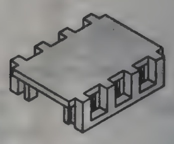
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Pos.	Price Each		
				1	10	100
571-6414401	641440-1	F	3/24	.53	.47	.45
571-6415331	641533-1	G	2	.38	.34	.32

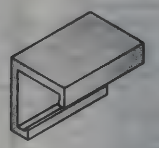
A



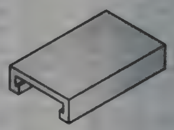
B



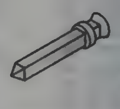
C



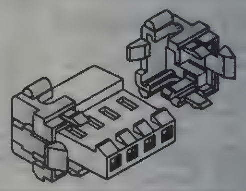
D



E

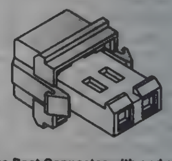


F



MTA .156 Wire to Post Connector with End Caps Installed

G



MTA .156 Wire to Post Connector with end cap installed

TOOLS FOR MTA CONNECTORS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-580741	58074-1	Hand tool pistol grip	58.28
571-58246-1	58246-1	Interchangable head .100" series	122.85
571-582471	58247-1	Interchangable head, .156" series	122.85
571-598031	59803-1	"T" handle maint. tool, .100" series	22.00
571-598041	59804-1	"T" handle maint. tool, .156" series	22.00
571-584421	58442-1	Interchangeable head .100 (feed thru)	601.89
571-58443-1	58443-1	Interchangeable head .156 (feed thru)	427.50

AMP MTA .156" Series IDC Connectors

Tyco Electronics
Authorized Distributor

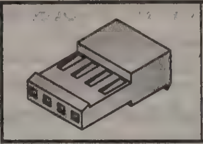
Specifications:
- Voltage rating: 250VAC
- Current rating: 5 Amp max.
- Low-level resistance: 3mΩ max. initial
- Operating temperature: -55°C to +105°C
- Dielectric withstanding Voltage: 1250VAC/1Min.
- Insulation resistance: 5000MΩ min. initial

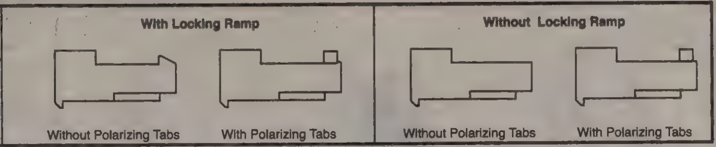
Material and Finish:
- Housing: UL94V-2 rated, type 6/6 and 6/12 nylon
- Contacts: Phosphor bronze, post tin plated

File No.
E28476

Features:
- End to end stackable
- Contacts are lubricated to prevent fretting corrosion
- .156 Centers
- Pre-loaded with contacts

File No.
LR7189





CLOSED END

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	No. of Pos.	Wire Size (AWG)	Color	Price Each		
					1	10	100
With Locking Ramp and Without Tabs							
571-6404262	640426-2	2	18	Orange	.21	.19	.17
571-6404263	640426-3	3	18	Orange	.25	.23	.21
571-6404264	640426-4	4	18	Orange	.54	.46	.40
571-6404265	640426-5	5	18	Orange	1.07	.96	.91
571-6404266	640426-6	6	18	Orange	.43	.36	.31
571-6404267	640426-7	7	18	Orange	1.36	1.23	1.16
571-6404268	640426-8	8	18	Orange	1.56	1.40	1.32
571-6404269	640426-9	9	18	Orange	1.75	1.58	1.49
571-16404260	1-640426-0	10	18	Orange	1.95	1.75	1.66
571-6404272	640427-2	2	20	Yellow	.25	.23	.22
571-6404273	640427-3	3	20	Yellow	.17	.14	.12
571-6404274	640427-4	4	20	Yellow	.23	.21	.20
571-6404275	640427-5	5	20	Yellow	1.07	.96	.91
571-6404276	640427-6	6	20	Yellow	.49	.46	.43
571-6404277	640427-7	7	20	Yellow	1.46	1.39	1.25
571-6404278	640427-8	8	20	Yellow	1.67	1.59	1.43
571-6404282	640428-2	2	22	Red	.29	.26	.22
571-6404283	640428-3	3	22	Red	.22	.19	.16
571-6404284	640428-4	4	22	Red	.38	.34	.30
571-6404285	640428-5	5	22	Red	1.07	.96	.91
571-6404286	640428-6	6	22	Red	.46	.42	.39
571-6404287	640428-7	7	22	Red	1.44	1.29	1.22
571-6404288	640428-8	8	22	Red	1.56	1.40	1.32
571-16404280	1-640428-0	10	22	Red	1.95	1.75	1.66
571-6404292	640429-2	2	24	Natural	.25	.23	.22
571-6404293	640429-3	3	24	Natural	.17	.14	.12
571-6404294	640429-4	4	24	Natural	.23	.21	.20
571-6404295	640429-5	5	24	Natural	1.21	1.15	1.04
571-6404296	640429-6	6	24	Natural	.30	.27	.26
571-6404298	640429-8	8	24	Natural	1.64	1.48	1.40
571-6404299	640429-9	9	24	Natural	1.04	.93	.88
With Locking Ramp and Tabs							
571-6438172	643817-2	2	18	Orange	.25	.23	.22
571-6438173	643817-3	3	18	Orange	.17	.14	.12
571-6438174	643817-4	4	18	Orange	.23	.21	.20
571-6438175	643817-5	5	18	Orange	1.07	.96	.91
571-6438176	643817-6	6	18	Orange	.30	.27	.26
571-6438177	643817-7	7	18	Orange	1.54	1.47	1.32
571-6438178	643817-8	8	18	Orange	1.56	1.40	1.32
571-6438179	643817-9	9	18	Orange	1.98	1.89	1.70
571-16438170	1-643817-0	10	18	Orange	2.60	2.57	2.54
571-6438182	643818-2	2	20	Yellow	.25	.23	.22
571-6438183	643818-3	3	20	Yellow	.17	.14	.12
571-6438184	643818-4	4	20	Yellow	.23	.21	.20
571-6438185	643818-5	5	20	Yellow	1.07	.96	.91
571-6438186	643818-6	6	20	Yellow	.30	.27	.26
571-6438187	643818-7	7	20	Yellow	.60	.54	.51
571-6438188	643818-8	8	20	Yellow	1.56	1.40	1.32
571-6438192	643819-2	2	22	Red	.19	.17	.16
571-6438193	643819-3	3	22	Red	.17	.14	.12
571-6438194	643819-4	4	22	Red	.37	.34	.30
571-6438195	643819-5	5	22	Red	1.13	1.02	.96
571-6438196	643819-6	6	22	Red	.30	.27	.26
571-6438197	643819-7	7	22	Red	1.44	1.29	1.22
571-6438198	643819-8	8	22	Red	.73	.70	.63
571-6438202	643820-2	2	24	Natural	.19	.17	.16
571-6438203	643820-3	3	24	Natural	.17	.15	.13
571-6438204	643820-4	4	24	Natural	.23	.21	.20
571-6438205	643820-5	5	24	Natural	.47	.42	.40
571-6438206	643820-6	6	24	Natural	.30	.27	.26
Without Locking Ramp and Without Tabs							
571-6404312	640431-2	2	18	Orange	.22	.20	.18
571-6404313	640431-3	3	18	Orange	.17	.14	.12
571-6404314	640431-4	4	18	Orange	.23	.21	.20
571-6404315	640431-5	5	18	Orange	1.07	.96	.91
571-6404316	640431-6	6	18	Orange	.30	.27	.26
571-6404317	640431-7	7	18	Orange	1.46	1.39	1.25
571-6404318	640431-8	8	18	Orange	1.56	1.40	1.32
571-6404319	640431-9	9	18	Orange	.52	.50	.45
571-6404332	640433-2	2	22	Red	.19	.17	.16
571-6404333	640433-3	3	22	Red	.17	.14	.12
571-6404334	640433-4	4	22	Red	.23	.21	.20
571-6404335	640433-5	5	22	Red	.32	.30	.27
571-6404336	640433-6	6	22	Red	.30	.27	.26
571-6404337	640433-7	7	22	Red	.60	.54	.51
571-6404338	640433-8	8	22	Red	1.76	1.68	1.51
571-6404339	640433-9	9	22	Red	1.88	1.79	1.61
571-16404330	1-640433-0	10	22	Red	2.20	2.10	1.89

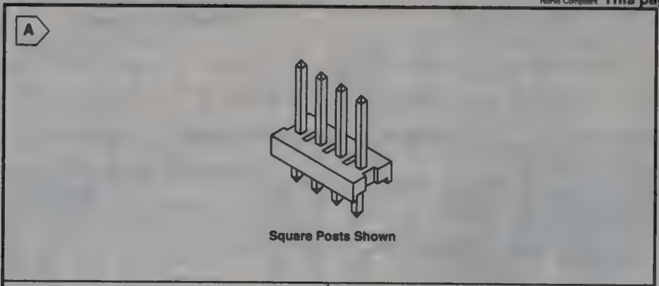
FEED-THRU

For quantities of 500 and up, call for quote.

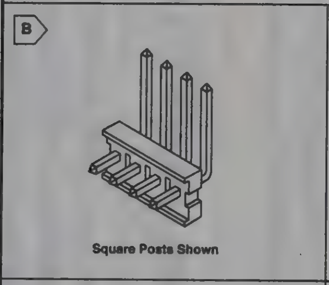
MOUSER STOCK NO.	AMP Part No.	No. of Pos.	Wire Size (AWG)	Color	Price Each		
					1	10	100
With Locking Ramp and Without Tabs							
571-6405992	640599-2	2	18	Orange	.25	.23	.22
571-6405993	640599-3	3	18	Orange	.22	.20	.19
571-6405994	640599-4	4	18	Orange	.24	.22	.20
571-6405995	640599-5	5	18	Orange	.63	.57	.54
571-6405996	640599-6	6	18	Orange	.30	.27	.26
571-6405997	640599-7	7	18	Orange	1.01	.91	.86
571-6405998	640599-8	8	18	Orange	1.67	1.59	1.43
571-6405999	640599-9	9	18	Orange	1.88	1.79	1.61
571-16405990	1-640599-0	10	18	Orange	1.95	1.75	1.66
571-6406002	640600-2	2	20	Yellow	.58	.53	.50
571-6406003	640600-3	3	20	Yellow	.22	.20	.19
571-6406004	640600-4	4	20	Yellow	.24	.22	.21
571-6406005	640600-5	5	20	Yellow	.50	.48	.43
571-6406006	640600-6	6	20	Yellow	.30	.27	.26
571-6406007	640600-7	7	20	Yellow	.60	.54	.51
571-6406008	640600-8	8	20	Yellow	.68	.62	.58
571-6406009	640600-9	9	20	Yellow	1.98	1.89	1.70
571-6406012	640601-2	2	22	Red	.58	.52	.50
571-6406013	640601-3	3	22	Red	.22	.20	.19
571-6406014	640601-4	4	22	Red	.24	.22	.20
571-6406015	640601-5	5	22	Red	.99	.94	.85
571-6406016	640601-6	6	22	Red	.30	.27	.26
571-6406017	640601-7	7	22	Red	.64	.59	.56
571-6406018	640601-8	8	22	Red	.68	.62	.58
571-6406019	640601-9	9	22	Red	1.11	1.06	.95
571-16406010	1-640601-0	10	22	Red	2.06	1.85	1.75
571-6406022	640602-2	2	24	Natural	.15	.14	.13
571-6406023	640602-3	3	24	Natural	.22	.20	.19
571-6406024	640602-4	4	24	Natural	.23	.21	.20
571-6406025	640602-5	5	24	Natural	.50	.48	.43
571-6406026	640602-6	6	24	Natural	.30	.27	.26
571-6406027	640602-7	7	24	Natural	.64	.61	.55
571-6406028	640602-8	8	24	Natural	.68	.62	.58
571-6406029	640602-9	9	24	Natural	1.04	.93	.88
571-16406020	1-640602-0	10	24	Natural	1.24	1.18	1.06
With Locking Ramp and Tabs							
571-6444652	644465-2	2	18	Orange	.19	.17	.16
571-6444653	644465-3	3	18	Orange	.22	.20	.19
571-6444654	644465-4	4	18	Orange	.24	.22	.20
571-6444655	644465-5	5	18	Orange	.47	.42	.40
571-6444656	644465-6	6	18	Orange	.30	.27	.26
571-6444657	644465-7	7	18	Orange	.60	.54	.51
571-6444658	644465-8	8	18	Orange	.68	.62	.58
571-6444659	644465-9	9	18	Orange	1.11	1.06	.95
571-16444650	1-644465-0	10	18	Orange	1.15	1.04	.98
571-6444662	644466-2	2	20	Yellow	.19	.17	.16
571-6444663	644466-3	3	20	Yellow	.22	.20	.19
571-6444664	644466-4	4	20	Yellow	.27	.25	.23
571-6444665	644466-5	5	20	Yellow	.47	.42	.40
571-6444666	644466-6	6	20	Yellow	.30	.27	.26
571-6444667	644466-7	7	20	Yellow	.60	.54	.51
571-6444668	644466-8	8	20	Yellow	.68	.62	.58
571-6444669	644466-9	9	20	Yellow	1.11	1.06	.95
571-6444672	644467-2	2	22	Red	.19	.17	.16
571-6444673	644467-3	3	22	Red	.22	.20	.19
571-6444674	644467-4	4	22	Red	.24	.22	.21
571-6444675	644467-5	5	22	Red	.50	.48	.43
571-6444676	644467-6	6	22	Red	.30	.27	.26
571-6444677	644467-7	7	22	Red	.64	.61	.55
571-6444678	644467-8	8	22	Red	.73	.70	.63
571-6444679	644467-9	9	22	Red	1.11	1.06	.95
571-6444682	644468-2	2	24	Natural	.19	.17	.16
571-6444683	644468-3	3	24	Natural	.21	.19	.18
571-6444684	644468-4	4	24	Natural	.24	.21	.20
571-6444685	644468-5	5	24	Natural	.50	.48	.43
571-6444686	644468-6	6	24	Natural	.33	.31	.29
571-6444687	644468-7	7	24	Natural	.64	.61	.55
571-6444689	644468-9	9	24	Natural	1.11	1.06	.95
Without Locking Ramp and Without Tabs							
571-6406042	640604-2	2	18	Orange	.20	.18	.16
571-6406043	640604-3	3	18	Orange	.22	.20	.19
571-6406044	640604-4	4	18	Orange	.24	.22	.20
571-6406045	640604-5	5	18	Orange	.97	.93	.83
571-6406046	640604-6	6	18	Orange	.33	.31	.29
571-6406047	640604-7	7	18	Orange	.64	.61	.55
571-6406048	640604-8	8	18	Orange	1.09	.98	.93
571-6406049	640604-9	9	18	Orange	1.04	.93	.88
571-16406040	1-640604-0	10	18	Orange	1.15	1.04	.98
571-6406062	640606-2	2	22	Red	.20	.18	.16
571-6406063	640606-3	3	22	Red	.25	.23	.21
571-6406064	640606-4	4	22	Red	.24	.22	.21
571-6406065	640606-5	5	22	Red	.50	.48	.43
571-6406066	640606-6	6	22	Red	.33	.31	.29
571-6406067	640606-7	7	22	Red	.64	.61	.55
571-6406068	640606-8	8	22	Red	.73	.70	.63
571-6406069	640606-9	9	22	Red	1.11	1.06	.95
571-16406060	1-640606-0	10	22	Red	1.24	1.18	1.06

AMP MTA .156" Series IDC Headers

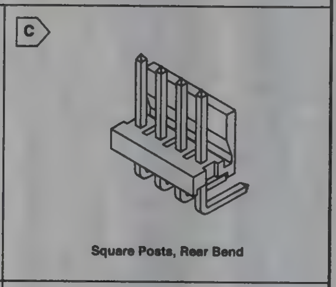
RoHS Compliant This page of product is compliant.



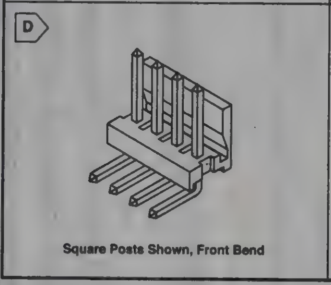
Square Posts Shown



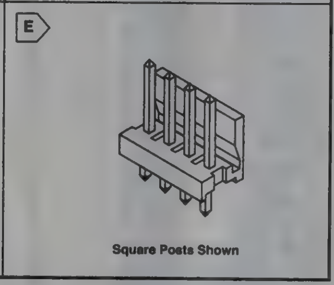
Square Posts Shown



Square Posts, Rear Bend



Square Posts Shown, Front Bend



Square Posts Shown

FLAT HEADERS

Material and Finish:
- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy
- RoHS Compliant per Tyco Electronics documentation

File No. E28476
File No. LR7189
RoHS Compliant

Straight, Square Posts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	10	100
571-6403832	640383-2	A	2	Tin	.18	.16	.16
571-6403833	640383-3	A	3	Tin	.39	.35	.33
571-6403834	640383-4	A	4	Tin	.37	.33	.31
571-6403835	640383-5	A	5	Tin	.46	.41	.39
571-6403837	640383-7	A	7	Tin	.58	.52	.49
571-6403838	640383-8	A	8	Tin	.66	.60	.56
571-16403830	1-640383-0	A	10	Tin	.83	.75	.71
571-16403832	1-640383-2	A	12	Tin	.37	.34	.32
571-16403834	1-640383-4	A	14	Tin	.86	.77	.73
571-16403836	1-640383-6	A	16	Tin	1.23	1.11	1.04

Straight, Round Posts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	10	100
571-6403843	640384-3	A	3	Tin	.20	.18	.17
571-6403844	640384-4	A	4	Tin	.52	.47	.44
571-6403845	640384-5	A	5	Tin	.46	.41	.39
571-6403846	640384-6	A	6	Tin	.71	.64	.60
571-16403840	1-640384-0	A	10	Tin	1.18	1.06	1.00
571-16403844	1-640384-4	A	14	Tin	.86	.77	.73
571-16403846	1-640384-6	A	16	Tin	1.23	1.11	1.04

Right Angle, Square Posts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	10	100
571-6403853	640385-3	B	3	Tin	.14	.13	.12
571-6403854	640385-4	B	4	Tin	.16	.13	.12
571-6403856	640385-6	B	6	Tin	.18	.16	.16
571-6403857	640385-7	B	7	Tin	.19	.18	.17
571-6403858	640385-8	B	8	Tin	.25	.23	.22
571-16403850	1-640385-0	B	10	Tin	.43	.40	.38
571-16403852	1-640385-2	B	12	Tin	.34	.31	.29
571-16403854	1-640385-4	B	14	Tin	1.15	1.03	.97
571-16403856	1-640385-6	B	16	Tin	2.21	1.99	1.88

FRICTION LOCK HEADERS

Material and Finish:
- Housing: UL94V-0 rated, polyester, natural color
- Posts: Copper alloy
- RoHS Compliant per Tyco Electronics documentation

File No. E28476
File No. LR7189
RoHS Compliant

Right Angle, Square Posts, Rear Bend

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	10	100
571-6403872	640387-2	C	2	Tin	.52	.47	.44
571-6403873	640387-3	C	3	Tin	.55	.49	.47
571-6403874	640387-4	C	4	Tin	.54	.49	.46
571-6403876	640387-6	C	6	Tin	.37	.34	.32
571-6403877	640387-7	C	7	Tin	1.16	1.05	.99
571-6403878	640387-8	C	8	Tin	1.33	1.19	1.13
571-6403879	640387-9	C	9	Tin	1.18	1.13	1.02
571-16403870	1-640387-0	C	10	Tin	1.23	1.11	1.04
571-16403872	1-640387-2	C	12	Tin	1.99	1.79	1.69
571-16403874	1-640387-4	C	14	Tin	2.32	2.09	1.97
571-16403876	1-640387-6	C	16	Tin	3.32	2.99	2.82

Right Angle, Square Posts, Front Bend

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	10	100
571-6403892	640389-2	D	2	Tin	.27	.24	.23
571-6403893	640389-3	D	3	Tin	.29	.26	.22
571-6403894	640389-4	D	4	Tin	.73	.66	.62
571-6403895	640389-5	D	5	Tin	.68	.61	.57
571-6403896	640389-6	D	6	Tin	1.00	.90	.85
571-6403897	640389-7	D	7	Tin	.86	.77	.73
571-6403898	640389-8	D	8	Tin	.98	.88	.84
571-6403899	640389-9	D	9	Tin	1.49	1.34	1.27
571-16403890	1-640389-0	D	10	Tin	1.66	1.49	1.41
571-16403892	1-640389-2	D	12	Tin	1.99	1.79	1.69
571-16403894	1-640389-4	D	14	Tin	2.32	2.09	1.97
571-3-641210-2	3-641210-2	D	2	Gold over Nickel	.75	.68	.64
571-3-641210-3	3-641210-3	D	3	Gold over Nickel	1.17	1.05	1.00
571-3-641210-4	3-641210-4	D	4	Gold over Nickel	1.62	1.55	1.39
571-3-641210-5	3-641210-5	D	5	Gold over Nickel	1.83	1.65	1.56
571-3-641210-6	3-641210-6	D	6	Gold over Nickel	2.38	2.26	2.04
571-3-641210-7	3-641210-7	D	7	Gold over Nickel	2.52	2.27	2.14
571-3-641210-8	3-641210-8	D	8	Gold over Nickel	3.01	2.87	2.58
571-4-641210-2	4-641210-2	D	12	Gold over Nickel	4.50	4.29	3.86
571-4-641210-4	4-641210-4	D	14	Gold over Nickel	6.77	6.45	5.81

Straight, Square Posts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	10	100
5716404452	640445-2	E	2	Tin	.13	.12	.11
571-6404453	640445-3	E	3	Tin	.14	.13	.12
571-6404454	640445-4	E	4	Tin	.21	.19	.17
571-640445-5	640445-5	E	5	Tin	.25	.22	.18
571-6404456	640445-6	E	6	Tin	.26	.22	.19
571-6404457	640445-7	E	7	Tin	.31	.28	.25
571-6404458	640445-8	E	8	Tin	.34	.31	.28
571-6404459	640445-9	E	9	Tin	1.00	.90	.85
571-1640445-0	1-640445-0	E	10	Tin	.29	.26	.24
571-16404452	1-640445-2	E	12	Tin	.51	.48	.45
571-16404454	1-640445-4	E	14	Tin	1.55	1.39	1.32
571-16404456	1-640445-6	E	16	Tin	2.21	1.99	1.88
571-3-641208-2	3-641208-2	E	2	Gold over Nickel	.81	.73	.69
571-3-641208-3	3-641208-3	E	3	Gold over Nickel	1.03	.93	.88
571-3-641208-4	3-641208-4	E	4	Gold over Nickel	1.19	1.07	1.01
571-3-641208-5	3-641208-5	E	5	Gold over Nickel	1.68	1.51	1.43
571-3-641208-6	3-641208-6	E	6	Gold over Nickel	2.03	1.82	1.72
571-3-641208-7	3-641208-7	E	7	Gold over Nickel	2.36	2.12	2.00
571-3-641208-8	3-641208-8	E	8	Gold over Nickel	2.69	2.42	2.28
571-3-641208-9	3-641208-9	E	9	Gold over Nickel	3.03	2.73	2.58
571-4-641208-0	4-641208-0	E	10	Gold over Nickel	3.22	3.06	2.76
571-4-641208-0	4-641208-2	E	12	Gold over Nickel	3.22	3.06	2.76
571-4-641208-4	4-641208-4	E	14	Gold over Nickel	6.23	5.61	5.29
571-4-641208-6	4-641208-6	E	16	Gold over Nickel	7.57	7.21	6.49

Straight, Round Posts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	10	100
571-6403882	640388-2	E	2	Tin	.13	.12	.11
571-6403883	640388-3	E	3	Tin	.14	.13	.12
571-6403884	640388-4	E	4	Tin	.21	.18	.16
571-6403885	640388-5	E	5	Tin	.21	.17	.15
571-6403886	640388-6	E	6	Tin	.18	.16	.16
571-6403887	640388-7	E	7	Tin	.19	.18	.17
571-6403888	640388-8	E	8	Tin	.25	.23	.22
571-6403889	640388-9	E	9	Tin	.74	.66	.63
571-16403880	1-640388-0	E	10	Tin	.43	.40	.38
571-16403882	1-640388-2	E	12	Tin	.50	.47	.44
571-16403884	1-640388-4	E	14	Tin	1.15	1.03	.97
571-16403886	1-640388-6	E	16	Tin	2.21	1.99	1.88

AMP Mini-Universal MATE-N-LOK® and MATE-N-LOK II®

Tyco Electronics
Authorized Distributor

RoHS Compliant This page of product is compliant.

Features:
- Compact, durable housings
- Contacts accept wire size range 30-16 AWG
- Fully polarized
- UL 94V-0 flammability rated material
- RoHS Compliant per Tyco Electronics documentation

Specifications:
- Voltage rating: 600V AC or DC
- Current: 9.5A max. 9A Sealed
- Dielectric Withstanding Voltage: 1.5VAC

RoHS Compliant

MINI-UNIVERSAL MATE-N-LOK® CONNECTORS

Plug Housing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Contacts	Description	Price Each		
					1	25	100
571-1721651	172165-1	A	2	In-line	.37	.33	.32
571-1721661	172166-1	A	3	In-line	.42	.37	.35
571-1721691	172169-1	A	9	Matrix	.55	.49	.47
571-1721701	172170-1	A	12	Matrix	.73	.66	.62
571-1721711	172171-1	A	15	Matrix	.97	.92	.87
571-172167-1	172167-1	A	4	Dual row	.46	.34	.32
571-1721681	172168-1	A	6	Dual row	.52	.47	.42
571-7705791	770579-1	A	8	Dual row	.69	.62	.59
571-770580-1	770580-1	A	10	Dual row	.77	.69	.66
571-7705811	770581-1	A	12	Dual row	.82	.74	.70
571-7705821	770582-1	A	14	Dual row	1.88	1.69	1.60
571-7705831	770583-1	A	16	Dual row	1.29	1.16	1.10
571-770584-1	770584-1	A	18	Dual row	1.45	1.30	1.23
571-7705851	770585-1	A	20	Dual row	1.61	1.45	1.37
571-770586-1	770586-1	A	22	Dual row	1.77	1.59	1.51
571-7705871	770587-1	A	24	Dual row	1.93	1.74	1.64

Cap Housing

For quantities of 500 and up, call for quote.

571-1722331	172233-1	B	2	In-line, free hanging	.38	.34	.32
571-1722341	172234-1	B	3	In-line, free hanging	.42	.38	.36
571-1721571	172157-1	B	2	In-line, panel mount	.43	.39	.33
571-1721581	172158-1	B	3	In-line, panel mount	.47	.43	.31
571-1721591	172159-1	B	4	Dual row	.46	.35	.33
571-1721601	172160-1	B	6	Dual row	.62	.57	.51
571-1721611	172161-1	B	9	Matrix	.70	.66	.63
571-1721621	172162-1	B	12	Matrix	.71	.64	.60
571-1721631	172163-1	B	15	Matrix	.90	.81	.76

SEALED MINI-UNIVERSAL MATE-N-LOK® CONNECTORS

Plug Housing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Contacts	Description	Price Each		
					1	25	100
571-7948941	794894-1	C	2	In-line	.64	.60	.44
571-7948051	794805-1	C	4	Dual Row	.64	.60	.44
571-7948951	794895-1	C	6	Dual Row	.73	.65	.62
571-7948211	794821-1	C	8	Dual Row	.79	.71	.67
571-7947811	794781-1	C	10	Dual Row	.86	.77	.73

Cap Housing

For quantities of 500 and up, call for quote.

571-7948961	794896-1	D	2	In-line	.75	.70	.50
571-7949391	794939-1	D	4	Dual Row	.61	.55	.52
571-7949401	794940-1	D	6	Dual Row	.80	.72	.68
571-7949411	794941-1	D	8	Dual Row	.88	.79	.75
571-7949421	794942-1	D	10	Dual Row	.97	.87	.82

Seal

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Contacts	Description	Price Each		
					1	25	100
571-7947722	794772-2	E	2	Interface Seal	.51	.37	.33
571-7947724	794772-4	E	4	Interface Seal	.49	.42	.36
571-7947726	794772-6	E	6	Interface Seal	.58	.52	.43
571-7947728	794772-8	E	8	Interface Seal	.63	.51	.39
571-17947720	1-794772-0	E	10	Interface Seal	.62	.58	.41
571-7949951	794995-1	F	–	Cavity Plug Seal	.23	.22	.21
571-7947581	794758-1	G	–	Cavity Wire Seal	.20	.19	.18

Keying Plug

- UL94V-0

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each		
				1	25	100
571-1746701	174670-1	H	Keying Plug	.18	.17	.16

MATE-N-LOK® Pin Contacts

** For use with both sealed and unsealed connectors.

For quantities of 1000 and up, call for quote.

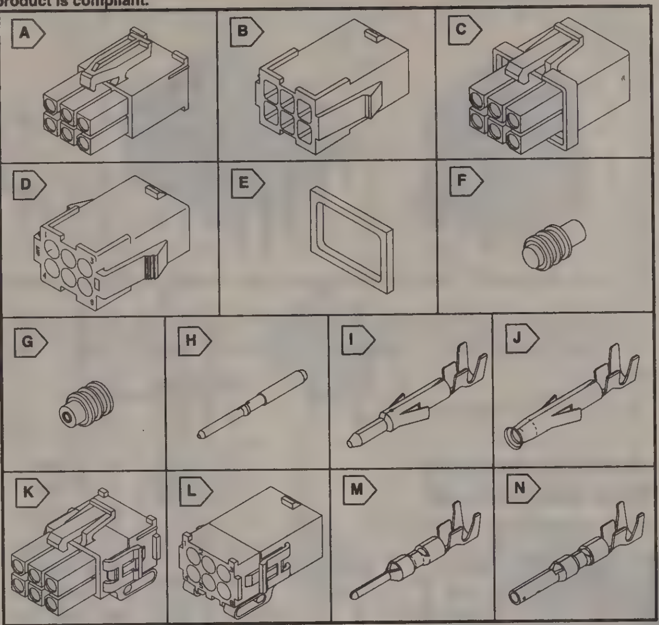
MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	Finish	Price Each		
					1	100	500
571-794059-1	794059-1	I	30-26	Tin	.15	.13	.11
571-1-794059-0	1-794059-0	I	30-26	Gold	.40	.36	.34
571-7709851	770985-1	I	26-22	Tin	.15	.13	.11
571-1-770985-0	1-770985-0	I	26-22	Gold	.40	.36	.34
571-7709871	770987-1	I	22-18	Tin	.15	.13	.11
571-1-770987-0	1-770987-0	I	22-18	Gold	.40	.36	.34
571-1716381	171638-1	I	20-16	Tin	.13	.12	.11

MATE-N-LOK® Socket Contacts

** For use with both sealed and unsealed connectors.

For quantities of 1000 and up, call for quote.

571-794058-1	794058-1	J	30-26	Tin	.13	.12	.11
571-1-794058-0	1-794058-0	J	30-26	Gold	.40	.36	.34
571-770986-1	770986-1	J	26-22	Tin	.15	.13	.11
571-1-770986-0	1-770986-0	J	26-22	Gold	.40	.36	.34
571-770988-1	770988-1	J	22-18	Tin	.13	.12	.11
571-1-770988-0	1-770988-0	J	22-18	Gold	.40	.36	.34
571-1716391	171639-1	J	20-16	Tin	.12	.11	.10



MINI-UNIVERSAL MATE-N-LOK II® CONNECTORS

Features:
- Compact, durable housings
- Fully polarized
- Contacts accept wire size range 30-16 AWG
- UL 94V-0 flammability rated material

Specifications:
- Voltage rating: 600V AC or DC
- Dielectric Withstanding Voltage: 1.5VAC

Plug Housing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Contacts	Description	Price Each		
					1	25	100
571-794184-1	794184-1	K	2	In-line	.49	.44	.41
571-7941861	794186-1	K	3	In-line	.51	.46	.43
571-794188-1	794188-1	K	4	Dual row	.58	.52	.49
571-794190-1	794190-1	K	6	Dual row	.58	.52	.49
571-794192-1	794192-1	K	8	Dual row	.90	.81	.76
571-794196-1	794196-1	K	10	Dual row	.93	.84	.79
571-794198-1	794198-1	K	12	Dual row	.80	.72	.68
571-794202-1	794202-1	K	14	Dual row	.93	.84	.79
571-794206-1	794206-1	K	16	Dual row	1.15	1.03	.98
571-794208-1	794208-1	K	18	Dual row	1.55	1.40	1.32
571-794210-1	794210-1	K	20	Dual row	1.25	1.13	1.07
571-794212-1	794212-1	K	22	Dual row	1.90	1.71	1.62
571-794214-1	794214-1	K	24	Dual row	1.73	1.56	1.47
571-794194-1	794194-1	K	9	Matrix	1.02	.92	.87
571-794200-1	794200-1	K	12	Matrix	.93	.84	.79
571-794204-1	794204-1	K	15	Matrix	3.69	3.32	3.14

Cap Housing

For quantities of 500 and up, call for quote.

571-794185-1	794185-1	L	2	In-line	.82	.73	.67
571-794187-1	794187-1	L	3	In-line	.58	.52	.48
571-7941891	794189-1	L	4	Dual row	.58	.53	.50
571-794191-1	794191-1	L	6	Dual row	.96	.86	.82
571-794193-1	794193-1	L	8	Dual row	.86	.78	.71
571-794197-1	794197-1	L	10	Dual row	1.21	1.09	1.03
571-794199-1	794199-1	L	12	Dual row	.92	.83	.78
571-794203-1	794203-1	L	14	Dual row	.92	.82	.78
571-794207-1	794207-1	L	16	Dual row	1.12	1.00	.95
571-794209-1	794209-1	L	18	Dual row	1.95	1.76	1.66
571-794211-1	794211-1	L	20	Dual row	2.17	1.95	1.84
571-794213-1	794213-1	L	22	Dual row	2.38	2.14	2.03
571-794215-1	794215-1	L	24	Dual row	2.78	2.65	2.39
571-794195-1	794195-1	L	9	Matrix	1.08	.97	.92
571-794201-1	794201-1	L	12	Matrix	1.12	1.01	.95
571-794205-1	794205-1	L	15	Matrix	1.14	1.03	.97

MATE-N-LOK2® Pin Contacts

For quantities of 1000 and up, call for quote.

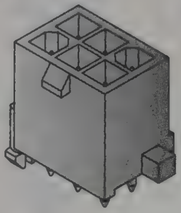
MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	Finish	Price Each		
					1	100	500
571-794224-1	794224-1	M	30-26	Tin	.15	.13	.11
571-1-794224-0	1-794224-0	M	30-26	Gold	.40	.36	.34
571-794226-1	794226-1	M	26-22	Tin	.15	.13	.11
571-1-794226-0	1-794226-0	M	26-22	Gold	.40	.36	.34
571-794228-1	794228-1	M	22-18	Tin	.13	.12	.11
571-1-794228-0	1-794228-0	M	22-18	Gold	.40	.36	.34
571-794230-1	794230-1	M	20-16	Tin	.15	.14	.13
571-1-794230-0	1-794230-0	M	20-16	Gold	.40	.36	.34

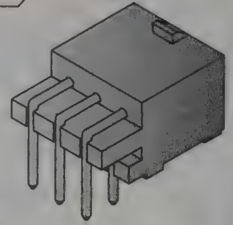
MATE-N-LOK2® Socket Contacts

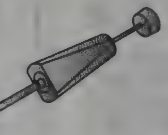
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	Finish	Price Each		
					1	100	500
571-794225-1	794225-1	N	30-26	Tin	.15	.13	.11
571-1-794225-0	1-794225-0	N	30-26	Gold	.40	.36	.34
571-794227-1	794227-1	N	26-22	Tin	.15	.13	.11
571-1-794227-0	1-794227-0	N	26-22	Gold	.40	.36	.34
571-7942291	794229-1	N	22-18	Tin	.15	.13	.11
571-1-794229-0	1-794229-0	N	22-18	Gold	.40	.36	.34
571-794231-1	794231-1	N	20-16	Tin	.15	.14	.13
571-1-794231-0	1-794231-0	N	20-16	Gold	.40	.36	.34

AMP Mini-Universal MATE-N-LOK® Headers

A


B


C


D

E

AMP Mini-Universal MATE-N-LOK® connectors provide a highly reliable and economic means of grouping multiple-lead connections in today's computer, computer/peripheral equipment, business machines, entertainment centers, appliances, and other sophisticated commercial equipment. The electrical connector is an integral component in these applications. They also offer worldwide application approval because of their reliability and economy. Electrical functions have increased in complexity and new designs continually call for the maximum use of space. The Mini-Universal MATE-N-LOK® family of connectors offers the design and features to answer these modern industry requirements.

Features:
- Nylon white housing
- UL 94V-0 flammability rated material
- PCB thru mount
- Fully polarized

Specifications:
- Voltage rating: 600V AC or DC
- Current: 9.5A

VERTICAL HEADERS WITH DRAIN HOLES

RoHS Compliant

- RoHS Compliant per Tyco Electronics documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Description	Finish	Price Each		
						1	25	100
571-1-770166-0	1-770166-0	A	2	In-Line	Tin	.69	.59	.47
571-1-770166-1	1-770166-1	A	2	In-Line	Gold	.98	.88	.83
571-1-770170-0	1-770170-0	A	3	In-Line	Tin	.75	.66	.45
571-1-770170-1	1-770170-1	A	3	In-Line	Gold	1.50	1.35	1.27
571-1-770174-0	1-770174-0	A	4	Dual Row	Tin	.75	.69	.51
571-1-770174-1	1-770174-1	A	4	Dual Row	Gold	1.24	1.07	.85
571-1-770178-0	1-770178-0	A	6	Dual Row	Tin	.76	.61	.55
571-1-770178-1	1-770178-1	A	6	Dual Row	Gold	1.73	1.65	1.22
571-1-794065-0	1-794065-0	A	8	Dual Row	Tin	1.34	1.23	.88
571-1-794065-1	1-794065-1	A	8	Dual Row	Gold	2.35	2.27	1.79
571-1-770182-0	1-770182-0	A	9	Matrix	Tin	1.07	.96	.91
571-1-770182-1	1-770182-1	A	9	Matrix	Gold	3.78	3.40	3.21
571-1-770743-0	1-770743-0	A	10	Dual Row	Tin	1.61	1.38	1.09
571-1-770743-1	1-770743-1	A	10	Dual Row	Gold	2.26	2.03	1.92
571-1-770186-0	1-770186-0	A	12	Matrix	Tin	1.31	1.18	1.12
571-1-770186-1	1-770186-1	A	12	Matrix	Gold	4.89	4.40	4.16
571-1-794066-0	1-794066-0	A	12	Dual Row	Tin	1.11	1.00	.95
571-1-794066-1	1-794066-1	A	12	Dual Row	Gold	2.68	2.41	2.28
571-1-794067-0	1-794067-0	A	14	Dual Row	Tin	1.13	1.02	.96
571-1-794067-1	1-794067-1	A	14	Dual Row	Gold	4.04	3.63	3.43
571-1-770190-0	1-770190-0	A	15	Matrix	Tin	1.58	1.42	1.34
571-1-770190-1	1-770190-1	A	15	Matrix	Gold	6.06	5.46	5.15
571-1-794068-0	1-794068-0	A	16	Dual Row	Tin	1.55	1.50	1.15
571-1-794068-1	1-794068-1	A	16	Dual Row	Gold	3.46	3.12	2.94
571-1-794069-0	1-794069-0	A	18	Dual Row	Tin	1.41	1.27	1.20
571-1-794069-1	1-794069-1	A	18	Dual Row	Gold	3.93	3.54	3.34
571-1-794070-0	1-794070-0	A	20	Dual Row	Tin	1.57	1.41	1.34
571-1-794070-1	1-794070-1	A	20	Dual Row	Gold	4.38	3.94	3.72
571-1-794071-0	1-794071-0	A	22	Dual Row	Tin	1.74	1.57	1.48
571-1-794071-1	1-794071-1	A	22	Dual Row	Gold	5.34	4.81	4.54
571-1-794072-0	1-794072-0	A	24	Dual Row	Tin	1.92	1.72	1.63
571-1-794072-1	1-794072-1	A	24	Dual Row	Gold	5.90	5.31	5.01

VERTICAL HEADERS WITHOUT DRAIN HOLES

RoHS Compliant

- RoHS Compliant per Tyco Electronics documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Description	Finish	Price Each		
						1	25	100
571-1-770872-0	1-770872-0	A	2	In-Line	Tin	.73	.66	.62
571-1-770872-1	1-770872-1	A	2	In-Line	Gold	1.09	.98	.93
571-1-770873-0	1-770873-0	A	3	In-Line	Tin	.89	.80	.76
571-1-770873-1	1-770873-1	A	3	In-Line	Gold	1.51	1.36	1.28
571-1-770874-0	1-770874-0	A	4	Dual Row	Tin	1.11	.99	.94
571-1-770874-1	1-770874-1	A	4	Dual Row	Gold	1.52	1.37	1.29
571-1-770875-0	1-770875-0	A	6	Dual Row	Tin	1.40	1.26	1.19
571-1-770875-1	1-770875-1	A	6	Dual Row	Gold	2.16	1.95	1.84
571-1-794073-0	1-794073-0	A	8	Dual Row	Tin	1.70	1.53	1.44
571-1-794073-1	1-794073-1	A	8	Dual Row	Gold	3.39	3.05	2.88
571-1-770876-0	1-770876-0	A	9	Matrix	Tin	1.86	1.67	1.58
571-1-770876-1	1-770876-1	A	9	Matrix	Gold	3.78	3.40	3.21
571-1-770858-0	1-770858-0	A	10	Dual Row	Tin	1.89	1.70	1.61
571-1-770858-1	1-770858-1	A	10	Dual Row	Gold	4.11	3.70	3.50
571-1-794040-0	1-794040-0	A	12	Matrix	Tin	2.29	2.06	1.95
571-1-794040-1	1-794040-1	A	12	Matrix	Gold	4.89	4.40	4.16
571-1-770621-0	1-770621-0	A	12	Dual Row	Tin	1.89	1.70	1.61
571-1-770621-1	1-770621-1	A	12	Dual Row	Gold	4.43	3.99	3.77
571-1-794074-0	1-794074-0	A	14	Dual Row	Tin	2.39	2.15	2.03
571-1-794074-1	1-794074-1	A	14	Dual Row	Gold	5.60	5.04	4.76

VERTICAL HEADERS WITHOUT DRAIN HOLES (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Description	Finish	Price Each		
						1	25	100
571-1-770859-0	1-770859-0	A	15	Matrix	Tin	2.75	2.47	2.34
571-1-770859-1	1-770859-1	A	15	Matrix	Gold	6.06	5.46	5.15
571-1-794075-0	1-794075-0	A	16	Dual Row	Tin	2.64	2.37	2.24
571-1-794075-1	1-794075-1	A	16	Dual Row	Gold	6.34	5.70	5.39
571-1-794076-0	1-794076-0	A	18	Dual Row	Tin	3.25	2.93	2.77
571-1-794076-1	1-794076-1	A	18	Dual Row	Gold	7.03	6.33	5.97
571-1-794077-0	1-794077-0	A	20	Dual Row	Tin	3.24	2.91	2.75
571-1-794077-1	1-794077-1	A	20	Dual Row	Gold	7.72	6.95	6.56
571-1-794078-0	1-794078-0	A	22	Dual Row	Tin	3.32	2.99	2.82
571-1-794078-1	1-794078-1	A	22	Dual Row	Gold	7.54	6.79	6.22
571-1-794079-0	1-794079-0	A	24	Dual Row	Tin	3.67	3.30	3.12
571-1-794079-1	1-794079-1	A	24	Dual Row	Gold	9.05	8.15	7.70

RIGHT ANGLE HEADERS WITH BOARD LOCK

RoHS Compliant

- RoHS Compliant per Tyco Electronics documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Description	Finish	Price Each		
						1	25	100
571-1-770966-0	1-770966-0	B	2	In-Line	Tin	.87	.78	.74
571-1-770966-1	1-770966-1	B	2	In-Line	Gold	1.59	1.43	1.35
571-1-770967-0	1-770967-0	B	3	In-Line	Tin	1.26	1.13	1.07
571-1-770967-1	1-770967-1	B	3	In-Line	Gold	2.62	2.36	2.23
571-1-770968-0	1-770968-0	B	4	Dual Row	Tin	.78	.63	.56
571-1-770968-1	1-770968-1	B	4	Dual Row	Gold	2.72	2.00	1.89
571-1-770969-0	1-770969-0	B	6	Dual Row	Tin	1.13	.93	.79
571-1-770969-1	1-770969-1	B	6	Dual Row	Gold	3.63	3.27	3.09
571-1-770970-0	1-770970-0	B	8	Dual Row	Tin	1.78	1.60	1.51
571-1-770970-1	1-770970-1	B	8	Dual Row	Gold	4.78	4.30	4.07
571-1-770971-0	1-770971-0	B	10	Dual Row	Tin	2.07	1.87	1.76
571-1-770971-1	1-770971-1	B	10	Dual Row	Gold	5.94	5.35	5.05
571-1-770972-0	1-770972-0	B	12	Dual Row	Tin	2.37	2.13	2.01
571-1-770972-1	1-770972-1	B	12	Dual Row	Gold	6.04	5.54	5.28
571-1-770973-0	1-770973-0	B	14	Dual Row	Tin	4.76	4.28	4.04
571-1-770973-1	1-770973-1	B	14	Dual Row	Gold	8.25	7.42	7.01
571-1-770974-0	1-770974-0	B	16	Dual Row	Tin	2.09	1.63	1.44
571-1-770974-1	1-770974-1	B	16	Dual Row	Gold	9.41	8.46	7.99
571-1-794105-0	1-794105-0	B	18	Dual Row	Tin	3.94	3.54	3.35
571-1-794105-1	1-794105-1	B	18	Dual Row	Gold	10.83	9.75	9.21
571-1-794106-0	1-794106-0	B	20	Dual Row	Tin	3.70	3.33	3.15
571-1-794106-1	1-794106-1	B	20	Dual Row	Gold	12.03	10.83	10.23
571-1-794107-0	1-794107-0	B	22	Dual Row	Tin	4.82	4.33	4.09
571-1-794107-1	1-794107-1	B	22	Dual Row	Gold	13.24	11.92	11.25
571-1-794108-0	1-794108-0	B	24	Dual Row	Tin	5.25	4.73	4.47
571-1-794108-1	1-794108-1	B	24	Dual Row	Gold	14.44	13.00	12.28

TOOLS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-1897271	189727-1	C	Contact Extraction Tool	18.90
571-4558301	455830-1	D	Contact Insertion Tool	21.74
571-908701	90870-1	E	Pro-Crimper III with Die, 30-24 AWG	184.50
571-90758-1	90758-1	E	Pro-Crimper III with Die, 26-22 AWG	145.50
571-907591	90759-1	E	Pro-Crimper III with Die, 22-18 AWG	145.50
571-90760-1	90760-1	E	Pro-Crimper III with Die, 20-16 AWG	223.20

COMMERCIAL MATE-N-LOK® CONNECTORS

Features:
- Fully polarized UL 94V-2 housings, nylon
- Integral design locking devices
- Connectors can be panel mounted to .025" - .065" panels
- Contacts accept wire size range 24-14AWG
- RoHS compliant per Tyco Electronics documentation

✱ Panel mount also

Specifications:
- Current rating: 7A
- Voltage rating: 300V
- Operating temperature: -20°C to +105°C

LR16476 E28476 RoHS Compliant

Free Hanging Pin Housing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Housing Type	Price Each		
					1	50	100
571-14803500	1-480350-0	A	1	Detent lock	.27	.16	.14
571-14803510	1-480351-0	A	1	Positive lock	.27	.16	.14
*571-14803190	1-480319-0	B	2	In-line version	.24	.21	.19
*571-14803050	1-480305-0	G	3	In-line, detent lock	.30	.27	.19
571-14804260	1-480426-0	G	4	In-line, detent lock	.36	.33	.27
571-14803400	1-480340-0	C	6	Dual row, positive lock	.45	.40	.38
571-14803450	1-480345-0	C	8	Dual row, positive lock	.85	.81	.73
571-14803390	1-480339-0	C	10	Dual row, positive lock	.91	.82	.77

Free Hanging Socket Housing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Housing Type	1	50	100
571-14803490	1-480349-0	D	1	In-line	.17	.14	.12
571-14807200	1-480720-0	E	2	In-line, positive lock	.53	.48	.34
571-14803180	1-480318-0	E	2	In-line	.26	.15	.12
571-14807210	1-480721-0	E	3	In-line, positive lock	.95	.85	.81
571-14803030	1-480303-0	E	3	In-line	.32	.29	.20
571-14807220	1-480722-0	E	4	In-line, positive lock	1.01	.91	.86
571-14804240	1-480424-0	E	4	In-line	.31	.28	.24
571-7708271	770827-1	E	4	In-line, detent lock UL94V-O	.38	.34	.32
571-14802700	1-480270-0	F	6	Dual row, positive lock	.62	.56	.39
571-14802830	1-480283-0	F	8	Dual row, positive lock	.68	.63	.54
571-14802850	1-480285-0	F	10	Dual row, positive lock	1.05	.94	.89
571-14802870	1-480287-0	F	12	Dual row, positive lock	1.24	1.12	1.06
571-14804380	1-480438-0	F	16	Dual row, positive lock	1.70	1.53	1.44

Panel Mount Pin Housing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Housing Type	1	50	100
571-14803050	1-480305-0	G	3	In-line, detent lock	.30	.27	.19
571-14804260	1-480426-0	G	4	In-line, detent lock	.36	.33	.27
571-14802760	1-480276-0	H	6	Matrix, positive lock	.45	.40	.38
571-14802770	1-480277-0	H	9	Matrix, positive lock	.99	.89	.84
571-14802780	1-480278-0	H	12	Matrix, positive lock	.93	.83	.79
571-14803240	1-480324-0	H	15	Matrix, positive lock	1.50	1.35	1.27

Panel Mount Socket Housing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Housing Type	1	50	100
571-14803040	1-480304-0	I	3	In-line version	.33	.28	.25
571-14804250	1-480425-0	I	4	In-line version	.72	.65	.61
571-14802730	1-480273-0	J	6	Matrix version	.94	.85	.80
571-14802740	1-480274-0	J	9	Matrix version	.87	.78	.74
571-14802750	1-480275-0	J	12	Matrix version	1.24	1.12	1.06
571-14803230	1-480323-0	J	15	Matrix version	1.69	1.52	1.43

Motor Mount Pin Housing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Housing Type	1	50	100
571-14802710	1-480271-0	K	6	Dual row, positive lock	.88	.79	.75
571-14802840	1-480284-0	K	8	Dual row, positive lock	1.30	1.17	1.10
571-14802860	1-480286-0	K	10	Dual row, positive lock	1.59	1.52	1.37
571-14802880	1-480288-0	K	12	Dual row, positive lock	1.78	1.60	1.51
571-14804390	1-480439-0	K	16	Dual row, positive lock	1.30	1.17	1.10

Motor Mount Socket Housing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Housing Type	1	50	100
571-14802700	1-480270-0	F	6	Dual row, positive lock	.62	.56	.39
571-14802830	1-480283-0	F	8	Dual row, positive lock	.68	.63	.54
571-14802850	1-480285-0	F	10	Dual row, positive lock	1.05	.94	.89
571-14802870	1-480287-0	F	12	Dual row, positive lock	1.24	1.12	1.06
571-14804380	1-480438-0	F	16	Dual row, positive lock	1.70	1.53	1.44

CONTACTS

Contacts to be used in Commercial MATE-N-LOK Housings only.

Features:
- Material: brass
- Pin length: .805"
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

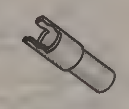
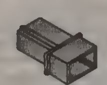
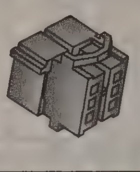
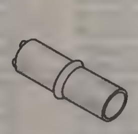
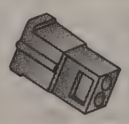
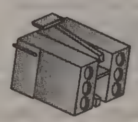
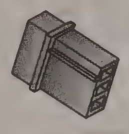
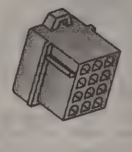
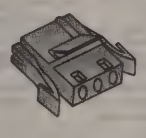
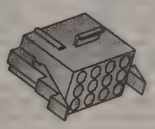
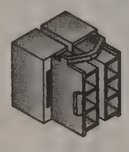
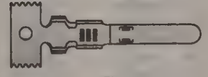
For quantities of 1000 and up, call for quote.

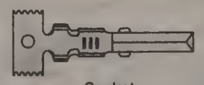
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Finish	Price Each		
					1	100	500
571-606201	60620-1	L	Pin 20-14AWG	Tin	.13	.11	.09
571-606181	60618-1	L	Pin 24-18AWG	Tin	.13	.11	.09
571-60618-5	60618-5	L	Pin 24-18AWG	Gold	.92	.83	.79
571-606191	60619-1	M	Socket 20-14AWG	Tin	.13	.11	.09
571-606171	60617-1	M	Socket 24-18AWG	Tin	.13	.11	.09

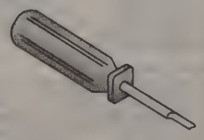
TOOLS

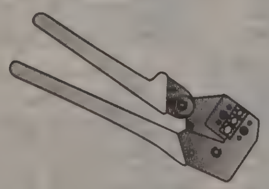
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-4656441	465644-1	N	Contact extraction tool	14.36
571-905741	90574-1	O	24-18 AWG Pro-Crimper II	158.40
571-905751	90575-1	O	20-14 AWG Pro-Crimper II	168.00
571-580741	58074-1	- - -	Manual handle w/o head for IDC	58.28
571-2318941	231894-1	- - -	Head (IDC) w/o tool	1297.50

A

B

C

D

E

F

G

H

I

J

K

L

Pin

M

Socket

N

Extraction Tool

O

Pro-Crimper II

AMP MATE-N-LOK® Connectors

COMMERCIAL MATE-N-LOK® PC BOARD MOUNT CONNECTORS

Vertical Pin Headers

Features:

- Fully polarized UL94V-2 housings
- Integral design locking devices
- Contacts: Pre-tin plated phosphor bronze
- Housing: Nylon
- RoHS compliant per Tyco Electronics documentation

LR16455-38 E28476 RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Housing Type	Mates With	Price Each		
						1	50	100
For Use With .062" PCB Thickness, Standard Tail								
571-3505391	350539-1	A	2	In-line, positive lock	571-14807200	.63	.56	.47
571-3502091	350209-1	B	2	In-line, detent lock	571-14803180	.57	.53	.47
571-3505411	350541-1	A	3	In-line, positive lock	571-14807210	1.38	1.24	1.17
571-3502101	350210-1	B	3	In-line, detent lock	571-14803030	.88	.81	.73
571-3505431	350543-1	A	4	In-line, positive lock	571-14807220	1.14	1.03	.97
571-3502111	350211-1	B	4	In-line, detent lock	571-14804240	.79	.73	.69
571-13809990	1-380999-0	C	6	Dual row, positive lock	571-14802700	1.11	.95	.87
571-3502121	350212-1	C	8	Dual row, positive lock	571-14802830	1.24	1.15	1.02
571-13809910	1-380991-0	C	10	Dual row, positive lock	571-14802850	1.11	1.00	.94
571-3502131	350213-1	C	12	Dual row, positive lock	571-14802870	2.39	2.15	2.03
571-3502141	350214-1	C	16	Dual row, positive lock	571-14804380	2.95	2.65	2.50
For Use With .125" PCB Thickness, Long Tail								
571-3504241	350424-1	B	4	In-line, detent lock	571-14804240	1.05	.95	.90

Vertical Socket Headers

- Housing: Nylon, UL94V-2
- Contacts: Phosphor bronze
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	No. of Contacts	Housing Type	Mates With	Price Each		
					1	50	100
571-7709971	770997-1	4	In-Line	571-14804260	1.29	1.23	1.09

Insulation Displacement Connectors (IDC)

- 4 Circuit, In-line
- Housing: Nylon, UL94V-2
- Mates with 571-14804260, 571-3502111, 571-3504241
- RoHS compliant per Tyco Electronics documentation
- Contact: Phosphor bronze
- Finish: Pre-tin

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Housing Type	Wire Size AWG	Color	Price Each		
						1	50	100
571-7701564	770156-4	D	In-line version	20	Yellow	.59	.53	.50
571-7701563	770156-3	D	In-line version	18	Orange	.59	.53	.50

Dust Covers

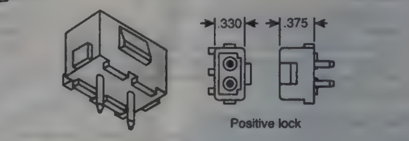
- Housing: Polyester, white color, UL94V-2
- RoHS compliant per Tyco Electronics documentation

RoHS Compliant

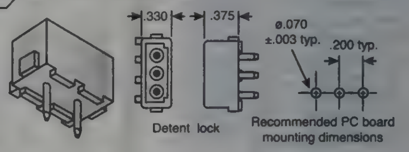
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each		
			1	100	500
571-7702321	770232-1	For feed to wiring applications	.21	.19	.18
571-7702331	770233-1	For feed through wiring applications	.19	.17	.16

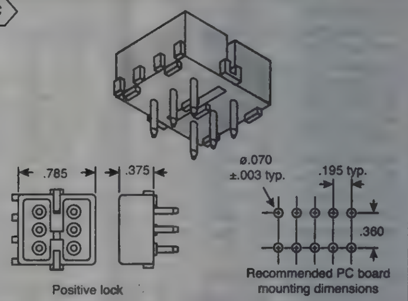
A



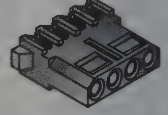
B



C



D



UNIVERSAL MATE-N-LOK II® CONNECTORS

AMP MATE-N-LOK II Connectors offer the ultimate reliability in a softshell connector. They are designed for use where repair or replacement would be difficult. Available in 2-15 circuit sizes for free hanging or panel mount applications. Connectors consist of a front and rear housing section. Contacts are enclosed for shock protection. Terminals use "F" crimp termination.

Connectors

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Housing Type	Price Each		
					1	50	100
571-7700171	770017-1	A	2	Pin	.69	.62	.56
571-7700181	770018-1	B	3	Pin	.79	.73	.64
571-7700191	770019-1	B	4	Pin	.87	.83	.74
571-7700201	770020-1	C	6	Pin	1.08	1.00	.70
571-7700211	770021-1	D	9	Pin	1.13	1.04	.75
571-7700221	770022-1	D	12	Pin	1.81	1.63	1.54
571-7700231	770023-1	D	15	Pin	1.27	1.14	1.08
571-7700241	770024-1	E	2	Socket	.79	.72	.51
571-7700251	770025-1	F	3	Socket	.71	.63	.60
571-7700261	770026-1	F	4	Socket	.77	.69	.65
571-7700271	770027-1	G	6	Socket	1.07	.98	.68
571-7700281	770028-1	H	9	Socket	.86	.78	.73
571-7700291	770029-1	H	12	Socket	1.75	1.57	1.48
571-7700301	770030-1	H	15	Socket	1.21	1.09	1.03

CONTACTS

Pin Contacts

For quantities of 1000 and up, call for quote.

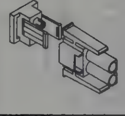
MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	I.D. Range (in.)	Contact Material	Contact Plating	Price Each		
							1	100	500
571-7702521	770252-1	I	24-18	.040 - .100	Brass	Tin	.14	.12	.10
571-7702501	770250-1	I	20-14	.060 - .130	Brass	Tin	.18	.15	.13
571-7702502	770250-2	I	20-14	.060 - .130	Brass	Gold	.69	.62	.58
571-7702481	770248-1	I	20-14	.130 - .200	Brass	Tin	.18	.17	.16
571-7702463	770246-3	I	12-10	.200 max.	Phos. bronze	Tin	.30	.27	.25

Socket Contacts

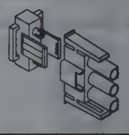
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	I.D. Range (in.)	Contact Material	Contact Plating	Price Each		
							1	100	500
571-7702533	770253-3	J	24-18	.040 - .100	Phos. bronze	Tin	.16	.15	.14
571-7702534	770253-4	J	24-18	.040 - .100	Phos. bronze	Gold	1.07	.96	.91
571-7702513	770253-3	J	20-14	.060 - .130	Phos. bronze	Tin	.17	.15	.15
571-7702514	770251-4	J	20-14	.060 - .130	Phos. bronze	Gold	1.13	1.01	.96
571-7702493	770249-3	J	20-14	.130 - .200	Phos. bronze	Tin	.22	.20	.19

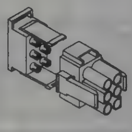
A



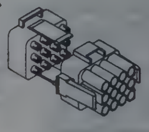
B



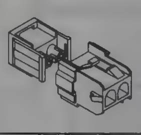
C



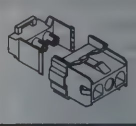
D



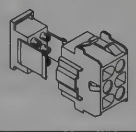
E



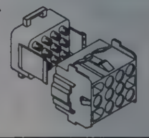
F



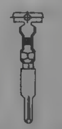
G



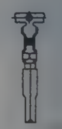
H



I

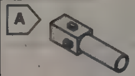


J

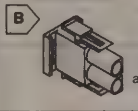


AMP Universal MATE-N-LOK® Connectors

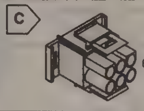
UNIVERSAL MATE-N-LOK® CONNECTORS



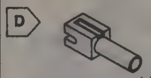
1 Circuit Free-Hanging Plug



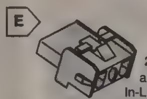
2, 3, 4, 5, 6, and 8 Circuit In-Line Plug



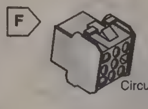
6, 9, 12, and 15 Circuit Matrix Plug



1 Circuit Free-Hanging Cap



2, 3, 4, 5, 6, and 8 Circuit In-Line Cap



6, 9, 12, and 15 Circuit Matrix Cap

Specifications:
- Current rating is 15A
- .250" Contact center spacing
- RoHS Compliant per Tyco Electronics documentation

LR16476 E28976 RoHS Compliant

Plug Housings

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Price Each		
				1	50	100
UL94V-2 Nylon						
571-13508670	1-350867-0	A	1	.25	.19	.11
571-14806980	1-480698-0	B	2	.31	.24	.17
571-14807000	1-480700-0	B	3	.31	.24	.18
571-14807020	1-480702-0	B	4	.31	.24	.17
571-14807630	1-480763-0	B	5	.32	.28	.21
571-6405851	640585-1	B	6	.74	.59	.53
571-14807040	1-480704-0	C	6	.32	.28	.21
571-6405861	640586-1	B	8	1.03	.93	.65
571-14807060	1-480706-0	C	9	.38	.35	.25
571-14807080	1-480708-0	C	12	.44	.42	.29
571-14807100	1-480710-0	C	15	.64	.57	.41
UL94V-0 White						
571-3508651	350865-1	A	1	.38	.34	.26
571-3507771	350777-1	B	2	.38	.35	.25
571-3507661	350766-1	B	3	.44	.42	.29
571-350779-1	350779-1	B	4	.48	.44	.29
571-3508091	350809-1	B	5	.50	.45	.32
571-6405811	640581-1	B	6	1.06	1.00	.67
571-350715-1	350715-1	C	6	.74	.59	.53
571-6405821	640582-1	B	8	.90	.81	.58
571-3507201	350720-1	C	9	.58	.55	.37
571-3507351	350735-1	C	12	.77	.70	.50
571-3507361	350736-1	C	15	.95	.90	.61

Cap Housings

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Price Each 1	50	100
UL94V-2 Nylon						
571-7704211	770421-1	D	1	.25	.19	.11
571-14806990	1-480699-0	E	2	.31	.24	.18
571-14807010	1-480701-0	E	3	.31	.24	.17
571-14807030	1-480703-0	E	4	.31	.24	.17
571-14807640	1-480764-0	E	5	.38	.35	.25
571-14807050	1-480705-0	F	6	.32	.28	.21
571-14807070	1-480707-0	F	9	.32	.28	.21
571-14807090	1-480709-0	F	12	.38	.35	.25
571-14807110	1-480711-0	F	15	.57	.51	.36
UL94V-0 White						
571-3508661	350866-1	D	1	.38	.34	.26
571-3507781	350778-1	E	2	.53	.49	.33
571-3507671	350767-1	E	3	.54	.48	.37
571-3507801	350780-1	E	4	.58	.55	.37
571-3508101	350810-1	E	5	.58	.55	.37
571-9263073	926307-3	E	6	2.32	1.96	1.76
571-3507821	350782-1	F	9	.74	.59	.53
571-3507831	350783-1	F	12	.88	.79	.56
571-3507841	350784-1	F	15	1.46	1.24	.93

STRAIN RELIEFS

Strain relief part number represents one-half of a strain relief. Two pieces must be ordered to make a complete housing.

- RoHS Compliant per Tyco Electronics documentation

LR16476 E28976 RoHS Compliant

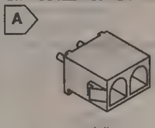
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	UL Rating	Price Each		
			1	50	100
2, 3, 4, 5, 6, & 8 Circuit In-Line					
571-3508111	350811-1	UL94V-0	.64	.58	.52
6, 9, 12, & 15 Circuit Matrix					
571-13505900	1-350590-0	UL94V-2	.66	.63	.61
571-3508121	350812-1	UL94V-0	.73	.65	.59

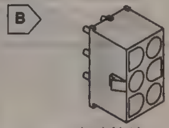
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	No. of Contacts	Price Each		
			1	50	100
UL 94V-0 Inline Enclosed					
571-6407131	640713-1	2	1.15	1.06	.93
571-6407141	640714-1	3	1.08	.96	.87
571-6417761	641776-1	4	1.18	1.07	.95
571-6430301	643030-1	5	1.43	1.29	1.21
571-6433131	643313-1	6	1.45	1.30	1.23
UL 94V-0 Matrix Enclosed					
571-6407151	640715-1	6	1.08	.96	.87
571-6407161	640716-1	9	1.15	1.01	.93
571-6407171	640717-1	12	1.29	1.17	1.04
571-6407181	640718-1	15	1.28	1.12	1.03

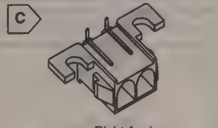
UNIVERSAL MATE-N-LOK® CONNECTORS - PCB MOUNT



Inline



Matrix



Right Angle

Specifications:
- 500VAC voltage rating
- Up to 15A current rating (using 14AWG wire)
- Contacts: tin or gold plated
- RoHS Compliant per Tyco Electronics documentation

Features:
- Pin or socket contacts included
- Phosphor bronze contacts
- .062 PCB thickness

LR16476 E28976 RoHS Compliant

Vertical Pin Headers

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Price Each		
				1	50	100
UL94V-0 White						
571-3507861	350786-1	A	2	.74	.59	.53
571-3507891	350789-1	A	3	.92	.73	.65
571-3507921	350792-1	A	4	.95	.90	.61
571-6418281	641828-1	A	8	1.88	1.50	1.34
571-3507111	350711-1	B	6	1.65	1.32	1.18
571-3507121	350712-1	B	9	1.65	1.32	1.18
571-3507141	350714-1	B	15	2.50	2.01	1.80
UL94V-2 Nylon						
571-3504281	350428-1	A	2	.43	.38	.34
571-3504291	350429-1	A	3	.53	.49	.33
571-3504301	350430-1	A	4	.74	.59	.53
571-6404661	640466-1	A	5	1.10	.93	.84
571-6418321	641832-1	A	6	2.68	2.17	1.94
571-6418251	641825-1	A	8	2.90	2.40	2.15
571-3504311	350431-1	B	6	.74	.59	.53
571-3504321	350432-1	B	9	1.37	1.09	.98
571-3504331	350433-1	B	12	1.65	1.32	1.18
571-3504341	350434-1	B	15	1.65	1.32	1.18

Vertical Socket Headers

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Price Each		
				1	50	100
UL94V-0 White						
571-3508241	350824-1	A	2	.95	.85	.80
571-350826-1	350826-1	A	4	.82	.77	.66
571-350827-1	350827-1	B	6	1.08	.96	.87
571-3508281	350828-1	B	9	1.65	1.32	1.18
571-3508291	350829-1	B	12	1.64	1.46	1.33
UL94V-2 Nylon						
571-3507594	350759-4	A	2	.77	.70	.50
571-3507604	350760-4	A	3	.74	.59	.53
571-3507614	350761-4	A	4	.58	.55	.37
571-3507624	350762-4	B	6	.78	.67	.63
571-3507654	350765-4	B	15	2.03	1.84	1.64

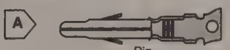
Right Angle Headers

For quantities of 250 and up, call for quote.

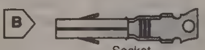
MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Contacts	Price Each		
				1	50	100
571-13509420	1-350942-0	C	2	1.88	1.50	1.34
571-13509430	1-350943-0	C	3	1.90	1.53	1.37
571-13509440	1-350944-0	C	4	1.96	1.56	1.40
571-6405831	640583-1	C	6	3.49	2.87	2.57
571-6405841	640584-1	C	8	3.74	3.07	2.75

CONTACTS

Features:
- Pin length: .805"
- Socket length: .695"
- For use with Universal Mate-N-Lok Housings only



Pin



Socket

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Gauge AWG	Description	Price Each		
					1	100	500
571-3505471	350547-1	A	20-14	Pin, brass/pre-tin	.16	.14	.13
571-3505472	350547-2	A	20-14	Pin, brass/gold	.68	.61	.57
571-3505477	350547-7	A	20-14	Pin, brass/select gold	.60	.54	.45
571-3505473	350547-3	A	20-14	Pin, phos. brz/pre-tin	.14	.13	.12
571-3506901	350690-1	A	24-18	Pin, brass/pre-tin	.10	.09	.08
571-3505501	350550-1	B	20-14	Socket, brass/pre-tin	.09	.08	.07
571-3506891	350689-1	B	24-18	Socket, brass/pre-tin	.10	.09	.08

TOOLS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-58530-1	58530-1	12-10 AWG Pro-Crimper	181.80
571-905481	90548-1	24-18 AWG Pro-Crimper II	187.50
571-905461	90546-1	20-14 AWG Pro-Crimper II	187.50
571-4558301	455830-1	Contact Insertion Tool	17.06
571-1804030-1	1804030-1	Contact Extraction Tool	48.68

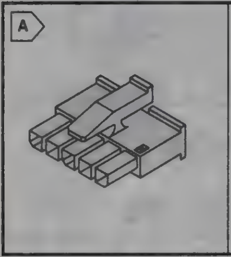
AMP Universal Micro Mate-N-Lok® Connectors

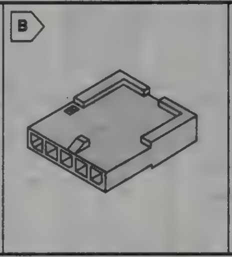
Features:

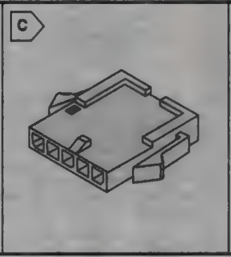
- Small form factor for space considerations
- Improved reliability and normal force
- Provides for proper mating of housings
- 3mm Pitch
- Dual Beam Contact Design
- Wire-to-Board connector system
- Allows for SMT processing

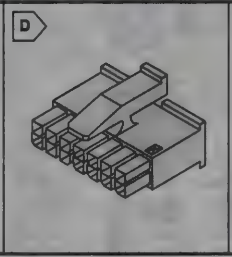
Specifications:

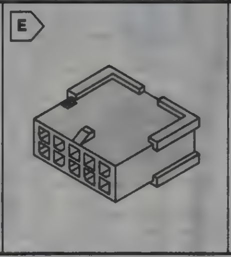
- Housing: Nylon, Black, UL94V-0
- Contacts: Brass (Plug); Phosphor Bronze (Receptacle)
- Voltage Rating: 250V
- Current Rating: 5A max.
- Contact Resistance: 20 m max.
- Temperature: -40°C to +105°C

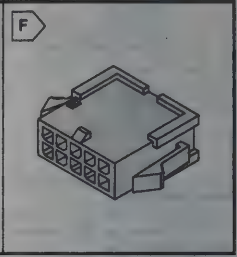












SINGLE ROW CONNECTOR SYSTEM

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Receptacle Housings

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each				
				1	25	50	100	250
571-14450222	1445022-2	A	2	.34	.32	.30	.28	.25
571-14450223	1445022-3	A	3	.34	.31	.30	.29	.28
571-14450224	1445022-4	A	4	.53	.48	.44	.39	.36
571-14450225	1445022-5	A	5	.58	.54	.45	.41	.38
571-14450226	1445022-6	A	6	.56	.51	.47	.43	.41
571-14450227	1445022-7	A	7	.55	.49	.47	.44	.41
571-14450228	1445022-8	A	8	.59	.54	.51	.48	.45
571-14450229	1445022-9	A	9	.64	.58	.55	.51	.48
571-114450220	1-1445022-0	A	10	.69	.62	.59	.55	.52
571-114450221	1-1445022-1	A	11	.74	.66	.63	.59	.55
571-114450222	1-1445022-2	A	12	.78	.71	.67	.63	.59

Plug Housings - Free Hanging

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	1	25	50	100	250
571-14450492	1445049-2	B	2	.31	.28	.26	.25	.24
571-14450493	1445049-3	B	3	.48	.44	.40	.35	.31
571-14450494	1445049-4	B	4	.54	.51	.46	.42	.38
571-14450495	1445049-5	B	5	.45	.40	.38	.36	.34
571-14450496	1445049-6	B	6	.51	.48	.46	.43	.41
571-14450497	1445049-7	B	7	.56	.53	.50	.48	.45
571-14450498	1445049-8	B	8	.59	.53	.50	.47	.44
571-14450499	1445049-9	B	9	.64	.57	.54	.51	.48
571-114450490	1-1445049-0	B	10	.69	.62	.58	.55	.52
571-114450491	1-1445049-1	B	11	.79	.71	.68	.64	.60
571-114450492	1-1445049-2	B	12	.84	.76	.72	.68	.63

Plug Housings - Panel Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	1	25	50	100	250
571-14450482	1445048-2	C	2	.31	.28	.26	.25	.24
571-14450483	1445048-3	C	3	.35	.32	.30	.28	.27
571-14450484	1445048-4	C	4	.40	.36	.34	.32	.30
571-14450485	1445048-5	C	5	.45	.40	.38	.36	.34
571-14450486	1445048-6	C	6	.51	.48	.46	.43	.41
571-14450487	1445048-7	C	7	.56	.53	.50	.48	.45
571-14450488	1445048-8	C	8	.59	.53	.50	.47	.44
571-14450489	1445048-9	C	9	.64	.57	.54	.51	.48
571-114450480	1-1445048-0	C	10	.69	.62	.58	.55	.52
571-114450481	1-1445048-1	C	11	.79	.71	.68	.64	.60
571-114450482	1-1445048-2	C	12	.84	.76	.72	.68	.63

DUAL ROW CONNECTOR SYSTEM

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Receptacle Housings

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each				
				1	25	50	100	250
571-7946172	794617-2	D	2	.28	.26	.25	.24	.23
571-7946174	794617-4	D	4	.36	.31	.28	.26	.25
571-7946176	794617-6	D	6	.45	.39	.33	.29	.27
571-794617-8	794617-8	D	8	.39	.37	.35	.33	.31
571-17946170	1-794617-0	D	10	.54	.49	.36	.34	.31
571-17946172	1-794617-2	D	12	.56	.50	.47	.44	.43
571-17946174	1-794617-4	D	14	.60	.57	.54	.51	.48
571-17946176	1-794617-6	D	16	.73	.69	.65	.61	.53
571-17946178	1-794617-8	D	18	.82	.76	.69	.64	.56
571-27946170	2-794617-0	D	20	.78	.70	.66	.62	.59
571-27946174	2-794617-4	D	24	.97	.92	.87	.83	.78

Plug Housings - Free Hanging

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	1	25	50	100	250
571-7946162	794616-2	E	2	.30	.29	.28	.27	.26
571-7946164	794616-4	E	4	.40	.36	.34	.32	.31
571-7946166	794616-6	E	6	.51	.48	.46	.43	.41
571-7946168	794616-8	E	8	.78	.71	.65	.59	.52
571-17946160	1-794616-0	E	10	.90	.85	.79	.72	.61
571-17946162	1-794616-2	E	12	.84	.76	.72	.68	.63
571-17946164	1-794616-4	E	14	.95	.85	.81	.76	.71
571-17946166	1-794616-6	E	16	1.08	1.03	.97	.92	.87
571-17946168	1-794616-8	E	18	1.19	1.13	1.07	1.01	.95
571-27946160	2-794616-0	E	20	1.26	1.13	1.07	1.01	.94
571-27946162	2-794616-2	E	22	1.52	1.45	1.37	1.29	1.22
571-27946164	2-794616-4	E	24	1.75	1.66	1.50	1.41	1.33

Plug Housings - Panel Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	1	25	50	100	250
571-7946152	794615-2	F	2	.31	.28	.26	.25	.24
571-7946154	794615-4	F	4	.40	.36	.34	.32	.30
571-7946156	794615-6	F	6	.51	.48	.46	.43	.41
571-7946158	794615-8	F	8	.64	.58	.54	.51	.48
571-17946150	1-794615-0	F	10	.76	.73	.69	.65	.61
571-17946152	1-794615-2	F	12	.84	.76	.72	.68	.63
571-17946154	1-794615-4	F	14	.95	.85	.81	.76	.71
571-17946156	1-794615-6	F	16	1.18	1.12	1.06	1.00	.94
571-1-794615-8	1-794615-8	F	18	1.25	1.13	1.07	1.00	.94
571-27946150	2-794615-0	F	20	1.37	1.23	1.16	1.09	1.03
571-27946152	2-794615-2	F	22	1.52	1.45	1.37	1.29	1.22
571-27946154	2-794615-4	F	24	1.75	1.66	1.50	1.41	1.33

CONTACTS

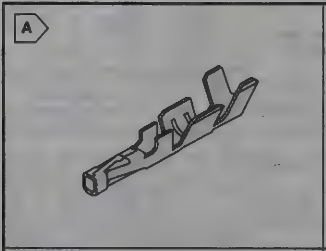
For quantities of 2000 and up, call for quote.

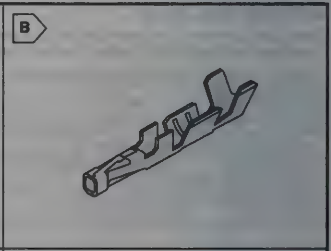
MOUSER STOCK NO.	AMP Part No.	Fig.	AWG	Plating	Price Each			
					1	100	500	1000
Sockets								
571-7946101	794610-1	A	20-24	Tin	.13	.11	.09	.08
571-7946102	794610-2	A	20-24	15μ" Gold	.13	.12	.11	.10
571-7946103	794610-3	A	20-24	30μ" Gold	.14	.13	.12	.11
571-7946111	794611-1	B	26-30	Tin	.13	.11	.09	.08
571-7946112	794611-2	B	26-30	15μ" Gold	.31	.15	.13	.11
571-7946113	794611-3	B	26-30	30μ" Gold	.19	.17	.16	.15
Pins								
571-7946121	794612-1	C	20-24	Tin	.19	.15	.13	.11
571-7946122	794612-2	C	20-24	15μ" Gold	.13	.11	.10	.09
571-7946123	794612-3	C	20-24	30μ" Gold	.19	.17	.16	.15
571-7946131	794613-1	D	26-30	Tin	.16	.14	.12	.10
571-7946132	794613-2	D	26-30	15μ" Gold	.13	.11	.10	.09
571-7946133	794613-3	D	26-30	30μ" Gold	.19	.17	.16	.15

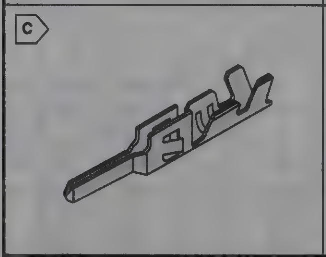
TOOLS

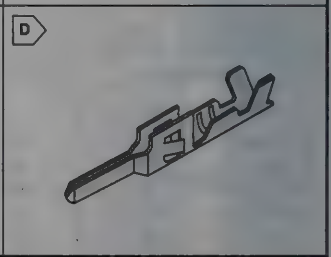
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	AWG	Description	Price Each
571-91501-1	91501-1	20-24	Hand Tool & Die	562.40
571-915021	91502-1	26-30	Hand Tool & Die	562.40
571-8439966	843996-6	- - -	Extraction Tool	62.00





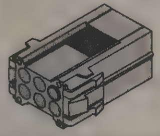




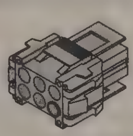
AMP Metrimate Pin and Socket Connectors

RoHS Compliant **This page of product is compliant.**

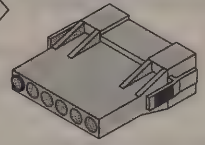
A



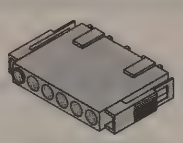
B



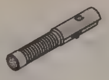
C



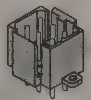
D



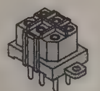
E



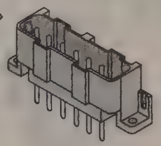
F



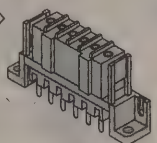
G



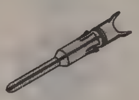
H



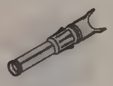
I



J



K



AMP Metrimate connectors are true metric specification connectors designed for panel, free-hanging or PC board application. These connectors offer improvements in durability, density and electrical performance over soft-shell pin and socket connectors.

HOUSINGS

Square Grid Housing

Specifications:
- RoHS compliant per Tyco Electronics Documentation
- 5mm (.197") Centerline
- 600V, 14A max.
- Polarized housings
- Housings made of UL rated 94V-0 thermoplastic
- Certified to ISO 9001

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Price Each		
				1	25	100
Receptacle						
571-2070161	207016-1	A	4	.98	.93	.79
571-2071531	207153-1	A	6	1.06	.99	.87
571-2074401	207440-1	A	9	1.20	1.08	1.02
571-207018-1	207018-1	A	12	1.50	1.35	1.28
571-2074431	207443-1	A	18	1.72	1.55	1.47
571-2073051	207305-1	A	24	2.29	2.07	1.72
571-2070201	207020-1	A	36	2.66	2.39	2.26
Plug						
571-2070151	207015-1	B	4	.75	.68	.64
571-2071521	207152-1	B	6	1.02	.95	.83
571-207439-1	207439-1	B	9	1.50	1.40	.98
571-2070171	207017-1	B	12	1.50	1.35	1.28
571-2074421	207442-1	B	18	2.22	2.11	1.55
571-2073041	207304-1	B	24	1.98	1.79	1.69
571-2070191	207019-1	B	36	2.37	2.14	2.02

In-Line Housing

Specifications:
- 5mm (.197") Centerline
- 600V, 14A max.
- Polarized housings
- Housings made of UL rated 94V-0 thermoplastic
- Certified to ISO 9001

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Number of Positions	Price Each		
				1	25	100
Receptacle						
571-2073591	207359-1	C	3	1.03	.94	.71
571-2073761	207376-1	C	6	1.40	1.32	.92
571-2073971	207397-1	C	10	2.77	2.49	2.35
571-2075431	207543-1	C	16	2.07	1.87	1.76
Plug						
571-2073601	207360-1	D	3	1.05	.96	.83
571-2073771	207377-1	D	6	1.60	1.54	1.11
571-207396-1	207396-1	D	10	1.40	1.26	1.19
571-2075421	207542-1	D	16	1.62	1.45	1.37
Hermaphroditic Housing						
571-211076-1	211076-1	E	1	.94	.85	.80

HEADERS

Square Grid Vertical Headers

Specifications:
- RoHS compliant per Tyco Electronics Documentation
- 5mm (.197") Centerline
- 600V, 14A max.
- Polarized housings
- Housings made of UL rated 94V-0 thermoplastic
- Certified to ISO 9001

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	25	100
Pin							
571-207119-8	207119-8	F	4	Tin	5.86	5.27	4.98
571-1-207119-0	1-207119-0	F	4	Gold	5.06	4.55	4.30
571-207158-7	207158-7	F	6	Tin	3.14	2.83	2.67
571-1-207158-0	1-207158-0	F	6	Gold	4.34	3.91	3.69
571-207441-7	207441-7	F	9	Tin	4.38	3.94	3.72
571-1-207441-0	1-207441-0	F	9	Gold	6.66	5.99	5.66
571-207120-9	207120-9	F	12	Tin	5.18	4.66	4.40
571-207120-8	207120-8	F	12	Gold	7.44	6.70	6.32
571-207444-9	207444-9	F	18	Tin	10.24	9.22	8.70
571-207444-8	207444-8	F	18	Gold	17.22	15.50	14.64
571-1-206763-1	1-206763-1	F	24	Tin	13.99	13.32	11.99
571-1-206763-3	1-206763-3	F	24	Gold	19.30	17.37	16.41
571-207121-8	207121-8	F	36	Tin	19.18	17.26	16.30
571-207121-9	207121-9	F	36	Gold	28.52	25.67	24.24

Square Grid Vertical Headers

RoHS Compliant **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Plating	Price Each		
					1	25	100
Socket							
571-207496-7	207496-7	G	4	Tin	6.18	5.56	5.25
571-207496-9	207496-9	G	4	Gold	8.10	7.29	6.89
571-207524-7	207524-7	G	6	Tin	3.98	3.58	3.38
571-207524-9	207524-9	G	6	Gold	4.82	4.34	4.10
571-207526-7	207526-7	G	9	Tin	4.80	4.32	4.08
571-207526-9	207526-9	G	9	Gold	10.66	9.59	9.06
571-207528-7	207528-7	G	12	Tin	5.48	4.93	4.66
571-207528-9	207528-9	G	12	Gold	7.96	7.16	6.77
571-207530-7	207530-7	G	18	Tin	10.94	9.85	9.30
571-207530-9	207530-9	G	18	Gold	19.42	17.48	16.51
571-207532-8	207532-8	G	24	Tin	13.88	12.49	11.80
571-1-207532-0	1-207532-0	G	24	Gold	20.82	18.74	17.70
571-207534-8	207534-8	G	36	Tin	20.44	18.40	17.37
571-1-207534-0	1-207534-0	G	36	Gold	33.01	31.44	28.30

In-Line Vertical Headers

RoHS Compliant **For quantities of 500 and up, call for quote.**

Pin							
571-207365-7	207365-7	H	3	Tin	2.98	2.68	2.53
571-207365-8	207365-8	H	3	Gold	3.68	3.31	3.13
571-207583-6	207583-6	H	6	Tin	3.96	3.56	3.37
571-207583-7	207583-7	H	6	Gold	7.26	6.53	6.17
571-207584-7	207584-7	H	10	Tin	7.76	6.98	6.60
571-207584-8	207584-8	H	10	Gold	10.52	9.47	8.94
571-207599-6	207599-6	H	16	Tin	10.36	9.32	8.81
571-207599-7	207599-7	H	16	Gold	10.70	9.63	9.10
Socket							
571-207609-6	207609-6	I	3	Tin	3.14	2.83	2.67
571-207609-7	207609-7	I	3	Gold	3.96	3.56	3.37
571-207611-6	207611-6	I	6	Tin	4.20	3.78	3.57
571-207611-7	207611-7	I	6	Gold	5.60	5.04	4.76
571-207613-6	207613-6	I	10	Tin	6.80	6.12	5.78
571-207613-7	207613-7	I	10	Gold	8.24	7.42	7.00
571-207615-6	207615-6	I	16	Tin	13.22	11.90	11.24
571-207615-7	207615-7	I	16	Gold	13.08	12.46	11.21

CONTACTS

Specifications:
- RoHS compliant per Tyco Electronics Documentation

Plating:
(a) Bright Tin
(b) Gold 30μ over Nickel 50μ

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire Size AWG	Plating	Price Each		
					1	100	1000
Pin Contacts							
571-1-66107-1	1-66107-1	J	26-24	a	.38	.29	.20
571-661074	66107-4	J	26-24	b	.52	.46	.42
571-1-66103-8	1-66103-8	J	24-20	a	.27	.25	.23
571-66103-4	66103-4	J	24-20	b	.47	.42	.38
571-1-66099-5	1-66099-5	J	18-16	a	.27	.25	.23
571-66099-4	66099-4	J	18-16	b	.46	.42	.39
Socket Contacts							
571-1-66109-7	1-66109-7	K	26-24	a	.49	.44	.38
571-661094	66109-4	K	26-24	b	.62	.55	.50
571-1-66105-9	1-66105-9	K	24-20	a	.32	.29	.27
571-66105-4	66105-4	K	24-20	b	.56	.51	.47
571-1-66101-9	1-66101-9	K	18-16	a	.33	.31	.28
571-66101-4	66101-4	K	18-16	b	.56	.51	.49

TOOLS

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-305183	305183	Contact Removal Tool	16.80
571-584951	58495-1	26-16 AWG Pro-Crimper II	145.50
571-91515-1	91515-1	Crimp Tool, 30-26 AWG	519.12
571-91523-1	91523-1	Crimp Tool, 24-16 AWG	519.12
571-91505-1	91505-1	Crimp Tool 18-16 AWG	468.14

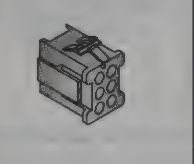
AMP (MR) Miniature Rectangular Connectors

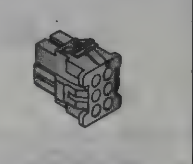
Tyco Electronics
Authorized Distributor

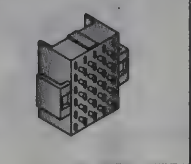
The (MR) Series connector family consists of UL94V-0, soft shell nylon housings, contacts, strain reliefs, and PCB headers. Housings lock to prevent accidental disengagement and are designed for free-hanging or panel mount applications. Socket housing utilize an egg crate design, fully enclosing socket contacts reducing shock hazard. High density design is achieved through .165" contact centerline spacing.

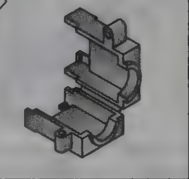
Features:
- Positive lock design
- Protected contacts reduce shock hazard
- Polarized for proper mating
- Numbered cavities simplify circuit identification

Specifications:
- .165" contact centerline spacing
- 26-18AWG wire size
- UL94V-0 flammability rating
- UL Recognized, CSA Certified

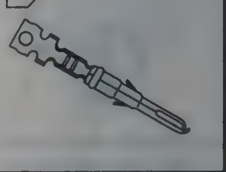
A


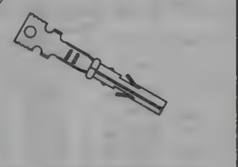
B


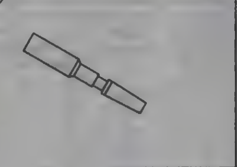
C


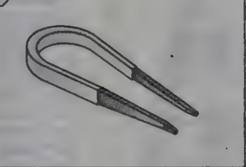
D


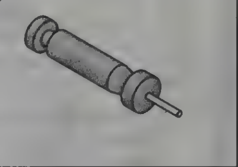
E

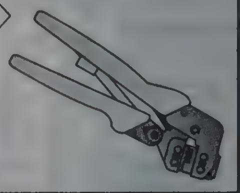
F


G


H


I


J


K


PIN HOUSINGS (CAP)

- .165" Centerline Spacing
- UL94V-0
- Free Hanging or Panel Mount
- Nylon, Natural Color - Brick Red
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

(Order contacts separately) **For quantities of 1000 and up, call for quote.**

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Price Each			
					1	10	100	500
571-16405070	1-640507-0	A	2	In-line	.58	.52	.37	.34
571-16405080	1-640508-0	A	3	In-line	.78	.71	.65	.59
571-16405090	1-640509-0	A	4	Matrix	.85	.78	.57	.54
571-16405100	1-640510-0	A	6	Matrix	.97	.93	.65	.61
571-16405110	1-640511-0	A	9	Matrix	.93	.85	.70	.66
571-16405120	1-640512-0	A	12	Matrix	1.10	1.05	.84	.79
571-16405130	1-640513-0	A	15	Matrix	1.21	1.15	.86	.81
571-16405140	1-640514-0	A	20	Matrix	1.99	1.91	1.35	1.27
571-16405150	1-640515-0	A	24	Matrix	2.00	1.92	1.44	1.36

SOCKET HOUSINGS (PLUG)

- .165" Centerline Spacing
- UL94V-0
- Free Hanging or Panel Mount
- Nylon, Natural Color - Brick Red
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

(Order contacts separately) **For quantities of 1000 and up, call for quote.**

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Price Each			
					1	10	100	500
571-16405170	1-640517-0	B	2	In-line	.42	.37	.31	.27
571-16405180	1-640518-0	B	3	In-line	.75	.69	.53	.50
571-16405190	1-640519-0	B	4	Matrix	.75	.69	.49	.46
571-16405200	1-640520-0	B	6	Matrix	.65	.59	.43	.40
571-16405210	1-640521-0	B	9	Matrix	.95	.89	.63	.60
571-16405220	1-640522-0	B	12	Matrix	1.11	1.05	.77	.73
571-16405230	1-640523-0	B	15	Matrix	1.19	1.13	.83	.78
571-16405240	1-640524-0	B	20	Matrix	2.06	1.99	1.36	1.28
571-16405250	1-640525-0	B	24	Matrix	2.00	1.92	1.44	1.36

PC BOARD VERTICAL PIN HEADERS

- .165" centerline spacing
- Contact: Phosphor Bronze

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	PCB Thick (In.)	Contact Finish	Price Each		
						1	10	100
571-6404981	640498-1	C	3	.062	Tin	.85	.76	.72
571-6404992	640499-2	C	4	.062	Gold	3.16	2.85	2.69
571-6405001	640500-1	C	6	.062	Tin	1.55	1.40	1.32
571-6405011	640501-1	C	9	.062	Tin	2.02	1.82	1.71
571-6405031	640503-1	C	15	.062	Tin	3.17	2.85	2.70
571-6405042	640504-2	C	20	.062	Gold	12.49	11.24	10.62

STRAIN RELIEFS

- One piece clam shell design
- Use with pin or socket housings
- RoHS Compliant per Tyco Electronics documentation
- Color: Brick Red
- UL94V-0

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	I.D. (In.)	Price Each			
					1	10	100	500
571-3503731	350373-1	D	6	.374	1.65	1.48	1.40	1.32
571-3505221	350522-1	D	9	.420	1.24	1.12	1.06	.99
571-3505231	350523-1	D	15	.420	2.38	2.14	2.02	1.91
571-3505241	350524-1	D	24	.560	2.52	2.26	2.14	2.01

ADAPTING GROMMETS

- Housing: Flexible PVC, black color
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	I.D. (In.)	Price Each			
					1	10	100	500
571-2-350376-0	2-350376-0	E	6	.218	1.09	.98	.93	.87
571-2-350375-0	2-350375-0	E	6	.296	.87	.79	.74	.70
571-2-350379-1	2-350379-1	E	9, 12, 15	.250	.89	.80	.75	.71
571-2-350380-1	2-350380-1	E	9, 12, 15	.281	1.16	1.04	.99	.93
571-2-380936-0	2-380936-0	E	20, 24, 36	.375	.93	.84	.79	.75

MINIATURE RECTANGULAR CONTACTS

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Live Split Pin Contacts

- .068" pin diameter
- Contact: Phosphor Bronze

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	Finish	Price Each			
					1	100	500	1000
571-6405451	640545-1	F	26-18	Pre-Tin	.17	.15	.13	.11
571-6405452	640545-2	F	26-18	Gold	.59	.36	.34	.32

Socket Contacts

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	Finish	Price Each			
					1	100	500	1000
571-6413001	641300-1	G	26-18	Pre-Tin	.16	.14	.12	.11
571-6413002	641300-2	G	26-18	Gold	.37	.33	.32	.30

KEYING PLUG

- UL94V-0 Nylon
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each			
				1	100	500	1000
571-3505911	350591-1	H	Use in socket housings only	.59	.53	.50	.47

TOOLS

For quantities of 5 and up, call for quote.

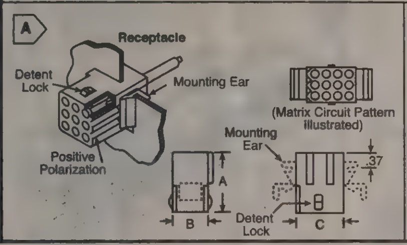
MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-4558301	455830-1	I	Contact Insertion Tool	21.74
571-4558222	455822-2	J	Contact Extraction Tool	22.30
571-585141	58514-1	K	PRO-CRIMPER III Hand Tool	178.20

AMP Pin and Socket Connectors and Tools
(.062" and .093")

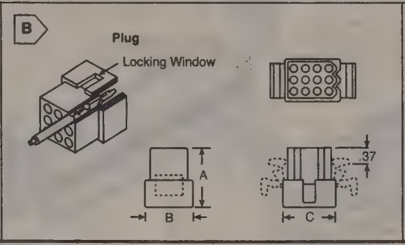
Tyco Electronics
Authorized Distributor

DIMENSIONS: In.

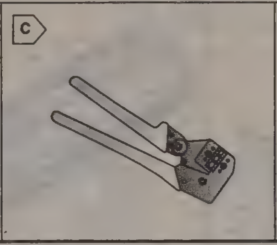
A



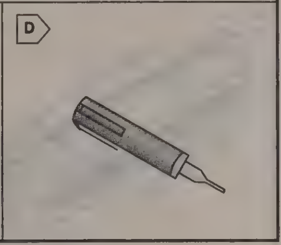
B



C



D



These nylon housing connectors are used throughout the world in appliances, televisions, electronic games, business machines, and computers. All items are UL recognized (file no. E28476) and CSA listed (file no. LR-16455-101). These connectors are totally intermateable/interchangeable (housing for housing; contact for contact; assembly for assembly) with industry standard connectors of the same type.

E28476 E28476

.062" TERMINAL HOUSINGS

- .145" grid spacing
- UL94V-2 nylon natural color
- Accepts 30-18AWG wire
- Polarized
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Free-Hanging Receptacles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
571-7702771	770277-1	A	1	In-line	.785	- - -	- - -	.14	.13	.12
571-7703421	770342-1	A	2	In-line	.820	.199	.340	.23	.18	.14
571-7703331	770333-1	A	3	In-line	.785	.199	.490	.19	.17	.16
571-7702741	770274-1	A	4	In-line	.785	.199	.635	.61	.55	.52
571-7704421	770442-1	A	4	Matrix	.878	.345	.345	.33	.28	.18
571-7703561	770356-1	A	6	Matrix	.785	.495	.345	.27	.24	.23
571-7704291	770429-1	A	9	Matrix	.790	.495	.490	.20	.18	.17

Free-Hanging Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
571-7702781	770278-1	B	1	In-line	.750	- - -	- - -	.12	.11	.09
571-7703401	770340-1	B	2	In-line	.780	.300	.440	.14	.12	.10
571-7703311	770331-1	B	3	In-line	.750	.300	.590	.18	.16	.15
571-7702751	770275-1	B	4	In-line	.750	.300	.733	.61	.55	.52
571-7704331	770433-1	B	4	Matrix	.868	.445	.445	.29	.26	.24
571-7703551	770355-1	B	6	Matrix	.750	.600	.445	.23	.21	.19
571-7704281	770428-1	B	9	Matrix	.750	.600	.590	.18	.16	.15

.093" TERMINAL HOUSINGS

- .198" centerline spacing
- Accepts 24-14AWG wire
- UL94V-2 nylon, natural color
- Polarized
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Panel Mount Receptacles, without Detent Lock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
571-7700851	770085-1	A	6	Matrix	1.000	.635	.435	.29	.26	.25
571-7700911	770091-1	A	9	Matrix	1.000	.635	.670	.36	.33	.31
571-7700971	770097-1	A	12	Matrix	1.000	.635	.870	.40	.36	.34
571-7701031	770103-1	A	15	Matrix	1.000	.635	1.070	.55	.49	.46

Panel Mount Receptacles, with Detent Lock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
571-7700661	770066-1	A	2	In-line	1.125	.240	.540	.16	.14	.13
571-7700711	770071-1	A	3	In-line	1.125	.240	.670	.22	.20	.19
571-7700761	770076-1	A	4	In-line	1.125	.240	.870	.24	.21	.20
571-7700871	770087-1	A	6	Matrix	1.000	.635	.435	.90	.81	.77

Free-Hanging Receptacles, without Detent Lock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
571-7700881	770088-1	A	6	Matrix	1.000	.635	.435	.28	.25	.23
571-7700941	770094-1	A	9	Matrix	1.000	.635	.670	.96	.86	.82
571-7701001	770100-1	A	12	Matrix	1.000	.635	.870	.97	.87	.82
571-7701051	770105-1	A	15	Matrix	1.000	.635	1.070	.55	.49	.46

Free-Hanging Receptacles, with Detent Lock

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
571-7700631	770063-1	A	1	In-line	1.000	.240	- - -	.14	.13	.12
571-7700651	770065-1	A	2	In-line	1.125	.240	.540	.17	.15	.13
571-7700701	770070-1	A	3	In-line	1.125	.240	.670	.21	.19	.18
571-7700751	770075-1	A	4	In-line	1.125	.240	.870	.24	.21	.20
571-7708431	770843-1	A	4	Matrix	1.000	.635	.443	.47	.42	.40
571-7700831	770083-1	A	5	In-line	1.000	.240	1.070	.24	.21	.20
571-7700861	770086-1	A	6	Matrix	1.000	.635	.435	.28	.25	.23
571-7700921	770092-1	A	9	Matrix	1.000	.635	.670	.35	.31	.29
571-7700981	770098-1	A	12	Matrix	1.000	.635	.870	.36	.32	.30

.093" TERMINAL HOUSINGS (CONT.)

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

Panel Mount Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
571-7700681	770068-1	B	2	In-line	1.095	.340	.640	.49	.44	.42
571-7700731	770073-1	B	3	In-line	1.095	.340	.770	.21	.19	.18
571-7700771	770077-1	B	4	In-line	1.095	.340	.970	.22	.20	.19
571-7700891	770089-1	B	6	Matrix	.970	.735	.535	.28	.25	.24
571-7701061	770106-1	B	15	Matrix	.970	.735	1.170	1.01	.91	.86

Free-Hanging Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Circuits	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
571-7700641	770064-1	B	1	In-line	.970	.245	- - -	.13	.11	.10
571-7700691	770069-1	B	2	In-line	1.095	.340	.640	.33	.30	.26
571-7700741	770074-1	B	3	In-line	1.095	.340	.770	.27	.22	.16
571-7700781	770078-1	B	4	In-line	1.095	.340	.970	.22	.20	.19
571-7708421	770842-1	B	4	Matrix	.970	.735	.540	.77	.69	.66
571-7700841	770084-1	B	5	In-line	.970	.340	1.170	.18	.16	.16
571-7700901	770090-1	B	6	Matrix	.970	.735	.535	.31	.28	.26
571-7700961	770096-1	B	9	Matrix	.970	.735	.770	.34	.31	.29
571-7701021	770102-1	B	12	Matrix	.970	.735	.970	.49	.42	.39
571-7701071	770107-1	B	15	Matrix	.970	.735	1.170	.49	.44	.42

PIN AND SOCKET CONTACTS

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For use with .062" Terminal Housings

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Style	Wire Size (AWG)	Finish and Materials	Price Each			
					1	100	500	1000
571-7940181	794018-1	Pin	30-24	Tin over brass	.12	.11	.10	.09
571-7940171	794017-1	Pin	24-18	Tin over brass	.12	.11	.10	.09
571-7940191	794019-1	Socket	30-24	Tin over brass	.12	.11	.10	.09
571-7940161	794016-1	Socket	24-18	Tin over brass	.12	.11	.10	.09

For use with .093" Terminal Housings

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Style	Wire Size (AWG)	Finish and Materials	Price Each			
					1	100	500	1000
571-7701451	770145-1	Pin	20-14	Tin over brass	.12	.11	.10	.09
571-7701471	770147-1	Pin	24-18	Tin over brass	.12	.11	.10	.09
571-7701441	770144-1	Socket	20-14	Tin over brass	.12	.11	.10	.09
571-7701461	770146-1	Socket	24-18	Tin over brass	.12	.11	.10	.09

TOOLS

For use with .062" Pin and Socket Contacts

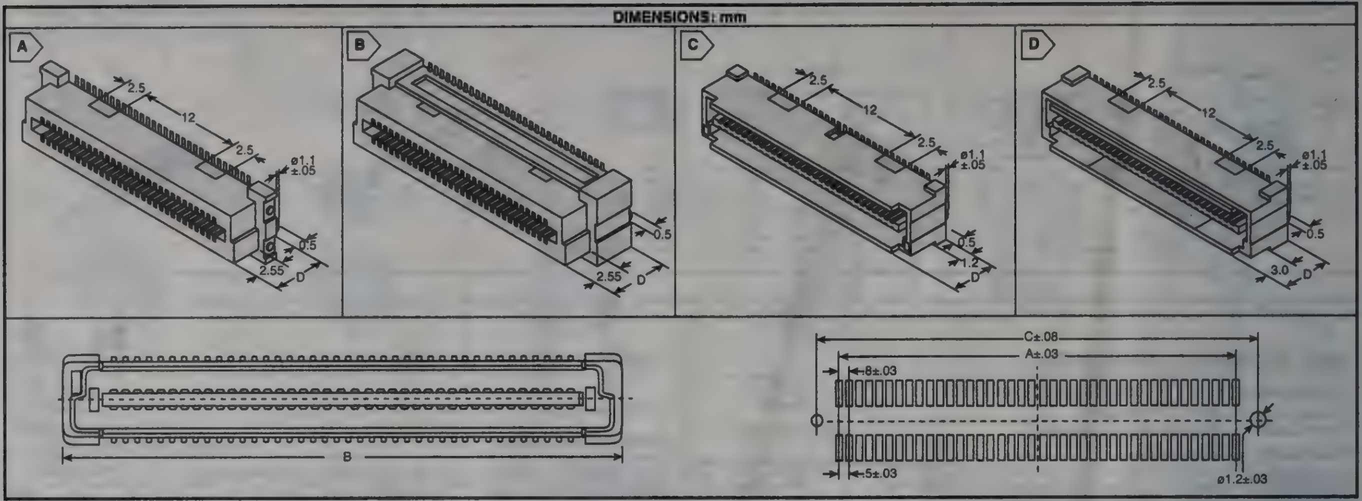
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-908701	90870-1	C	Pro-Crimper II hand tool 30-24 AWG	176.00
571-908691	90869-1	C	Pro-Crimper II hand tool 24-18 AWG	158.40
571-3188311	318831-1	D	Contact extraction tool	113.85

For use with .093" Pin and Socket Contacts

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Description	Price Each
571-908721	90872-1	C	Pro-Crimper II hand tool 24-18 AWG	162.00
571-908711	90871-1	C	Pro-Crimper II hand tool 20-14 AWG	179.25
571-3188371	318837-1	D	Contact extraction tool	46.78



0.8MM FREE HEIGHT CONNECTORS FOR PARALLEL BOARD STACKING

AMP 0.8mm FH surface mount connectors are designed for parallel board stacking applications using subminiature connectors to meet today's electronic industry requirements for high density packaging. It is possible to save more than 50% of the required board space when compared to conventional 1.27 [.050] centerline connectors.

Features:

- Board stacking heights from 5mm [.197] to 16mm [.630] (in 1mm [.039] increments)
- Surface mount solder leads permit fast assembly operation
- UL File No. E28476

Applications:

- Notebook PCs
- Pen Pads
- Cellular Telephones

Specifications:

- Voltage Rating: 100 VAC
- Current Rating: 0.5 ampere
- Contact Resistance: 30 milliohms max.(initial)
- Dielectric Withstanding Voltage: 500 VAC (1 minute)
- Operating Temperature: -40°C to +85°C (including terminal temp rise)
- Housing: High temperature thermoplastic, natural color, UL94V-0

Vertical Receptacles

Features:

- Contacts: Beryllium copper duplex plated 0.00020 [.000008] min. gold contact area, 0.00100 [.000039] min. tin-lead on solder area, with entire contact underplated 0.00130 [.000051] min. nickel
- Preloaded with unique bellows-type spring contacts for reliable electrical connection with plugs
- Mates with Plugs-Series 177984, 179029, 179030 and 179031

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Dimension mm/In.				Price Each			
				A	B	C	D	1	25	50	100
5mm Receptacles for 5, 6, 7 and 8mm Stacking Heights											
571-1779831	177983-1	A	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	3.75 (1.48)	3.12	2.50	2.11	1.99
571-1779832	177983-2	A	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	3.75 (1.48)	3.52	3.17	2.99	2.82
571-1779833	177983-3	A	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	3.75 (1.48)	4.50	4.05	3.83	3.60
571-1779834	177983-4	A	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	3.75 (1.48)	5.64	5.08	4.79	4.51
571-177983-5	177983-5	A	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	3.75 (1.48)	6.42	5.78	5.46	5.14
571-1779836	177983-6	A	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	3.75 (1.48)	8.95	8.90	7.04	6.28
9mm Receptacles for 9, 10, 11 and 12mm Stacking Heights											
571-51790091	5-179009-1	B	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	7.75 (.305)	1.76	1.58	1.50	1.41
571-5-179009-2	5-179009-2	B	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	7.75 (.305)	3.52	3.17	2.99	2.82
571-5-179009-3	5-179009-3	B	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	7.75 (.305)	4.74	4.27	4.03	3.79
571-51790094	5-179009-4	B	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	7.75 (.305)	5.64	5.08	4.79	4.51
571-51790095	5-179009-5	B	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	7.75 (.305)	6.42	5.78	5.46	5.14
571-51790096	5-179009-6	B	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	7.75 (.305)	7.10	6.39	6.04	5.68
13mm Receptacles for 13, 14, 15 and 16mm Stacking Heights											
571-51790101	5-179010-1	B	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	11.75 (.463)	3.17	3.02	2.72	2.57
571-51790102	5-179010-2	B	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	11.75 (.463)	2.48	2.36	2.12	2.01
571-51790103	5-179010-3	B	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	11.75 (.463)	4.50	4.05	3.83	3.60
571-51790104	5-179010-4	B	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	11.75 (.463)	5.64	5.08	4.79	4.51
571-51790105	5-179010-5	B	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	11.75 (.463)	9.72	9.26	8.33	7.87
571-51790106	5-179010-6	B	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	11.75 (.463)	10.82	10.30	9.27	8.76

Vertical Plugs

Features:

- Contacts: Brass, duplex plated 0.00020" min gold on contact area, 0.00100" min tin-lead on solder area, with entire contact underplated 0.00130" min. nickel.
- Mates with Receptacles Series 177983, 179009 and 179010

5mm Plugs for 5,9 and 13mm Stacking Heights											
571-1779841	177984-1	C	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	4.60 (.181)	2.36	2.12	2.01	1.89
571-1779842	177984-2	C	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	4.60 (.181)	3.52	3.17	2.99	2.82
571-1779843	177984-3	C	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	4.60 (.181)	4.50	4.05	3.83	3.60
571-1779844	177984-4	C	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	4.60 (.181)	5.64	5.08	4.79	4.51
571-1779845	177984-5	C	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	4.60 (.181)	8.42	8.37	6.46	6.14
571-1779846	177984-6	C	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	4.60 (.181)	7.10	6.39	6.04	5.68
6mm Plugs for 6,10 and 14mm Stacking Heights											
571-1790291	179029-1	D	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	5.60 (.220)	2.36	2.12	2.01	1.89
571-1790292	179029-2	D	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	5.60 (.220)	4.52	4.47	3.99	2.82
571-1790293	179029-3	D	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	5.60 (.220)	4.50	4.05	3.83	3.60
571-1790294	179029-4	D	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	5.60 (.220)	5.64	5.08	4.79	4.51
571-1790295	179029-5	D	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	5.60 (.220)	6.42	5.78	5.46	5.14
571-179029-6	179029-6	D	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	5.60 (.220)	7.10	6.39	6.04	5.68
7mm Plugs for 7,11 and 15mm Stacking Heights											
571-1790301	179030-1	D	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	6.60 (.260)	2.36	2.12	2.01	1.89
571-1790302	179030-2	D	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	6.60 (.260)	3.52	3.17	2.99	2.82
571-1790303	179030-3	D	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	6.60 (.260)	4.50	4.05	3.83	3.60
571-1790304	179030-4	D	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	6.60 (.260)	5.64	5.08	4.79	4.51
571-1790305	179030-5	D	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	6.60 (.260)	16.86	16.06	14.45	13.60
571-1790306	179030-6	D	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	6.60 (.260)	7.10	6.39	6.04	5.68
8mm Plugs for 8,12 and 16mm Stacking Heights											
571-1790311	179031-1	D	40	15.20 (.598)	21.80 (.858)	20.20 (.795)	7.60 (.300)	2.36	2.12	2.01	1.89
571-1790312	179031-2	D	60	23.20 (.913)	29.80 (1.173)	28.20 (1.110)	7.60 (.300)	3.52	3.17	2.99	2.82
571-179031-3	179031-3	D	80	31.20 (1.228)	37.80 (1.488)	36.20 (1.425)	7.60 (.300)	4.50	4.05	3.83	3.60
571-1790314	179031-4	D	100	39.20 (1.543)	45.80 (1.803)	44.20 (1.740)	7.60 (.300)	5.64	5.08	4.79	4.51
571-1790315	179031-5	D	120	47.20 (1.858)	53.80 (2.118)	52.20 (2.055)	7.60 (.300)	6.42	5.78	5.46	5.14
571-1790316	179031-6	D	140	55.20 (2.173)	61.80 (2.433)	60.20 (2.370)	7.60 (.300)	8.95	8.90	7.04	6.28

AMP 4.20mm PE Series Connectors

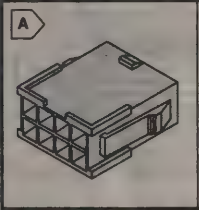
Tyco Electronics
Authorized Distributor

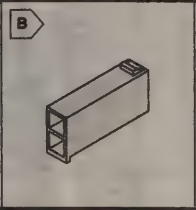
Low cost, wire-to-wire and wire-to-board connectors with 4.2 mm x 4.2 mm (.165") centerlines. Can be used in computer motherboards, harness assemblies, car alarms and heating systems.

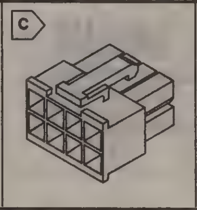
Easy mate and unmate with positive latch design. Plug housings accept pin contacts and receptacle housings accept socket contacts.

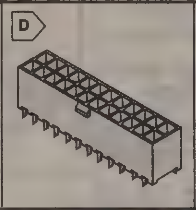
Electrical:
- Voltage: 600 VAC
- Current: 9 amps max. in 2-position applications

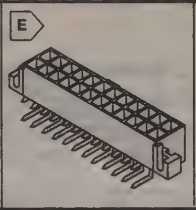
Material:
- Housing: Nylon, UL 94V-2
- Contacts: Brass or Phosphor bronze with tin or gold plating
- Pitch: 4.2mm (.165")

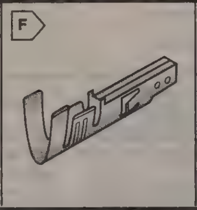
A


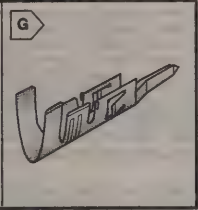
B


C


D


E


F


G


PLUGS - PANEL MOUNT

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
571-7949532	794953-2	A	2	.17	.16	.15
571-7949534	794953-4	A	4	.18	.17	.16
571-7949536	794953-6	A	6	.18	.17	.16
571-7949538	794953-8	A	8	.19	.18	.17
571-17949530	1-794953-0	A	10	.21	.20	.19
571-17949532	1-794953-2	A	12	.22	.21	.20
571-17949534	1-794953-4	A	14	.23	.22	.21
571-17949536	1-794953-6	A	16	.26	.24	.23
571-17949538	1-794953-8	A	18	.27	.25	.24
571-27949530	2-794953-0	A	20	.30	.27	.26
571-27949532	2-794953-2	A	22	.37	.34	.32
571-27949534	2-794953-4	A	24	.41	.37	.35

PLUGS - FREE-HANGING

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

571-15860002	1586000-2	B	2	.17	.16	.15
571-15860004	1586000-4	B	4	.18	.17	.16
571-15860006	1586000-6	B	6	.18	.17	.16
571-15860008	1586000-8	B	8	.19	.18	.17
571-115860000	1-1586000-0	B	10	.21	.20	.19
571-115860002	1-1586000-2	B	12	.21	.20	.19
571-115860004	1-1586000-4	B	14	.23	.22	.21
571-115860006	1-1586000-6	B	16	.26	.24	.23
571-115860008	1-1586000-8	B	18	.27	.25	.24
571-215860000	2-1586000-0	B	20	.30	.27	.26
571-215860002	2-1586000-2	B	22	.37	.34	.32
571-215860004	2-1586000-4	B	24	.41	.37	.35

RECEPTACLE HOUSINGS

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

571-7949542	794954-2	C	2	.17	.16	.15
571-7949544	794954-4	C	4	.17	.16	.15
571-7949546	794954-6	C	6	.19	.18	.16
571-7949548	794954-8	C	8	.19	.18	.17
571-17949540	1-794954-0	C	10	.21	.20	.19
571-17949542	1-794954-2	C	12	.22	.21	.20
571-17949544	1-794954-4	C	14	.23	.22	.21
571-17949546	1-794954-6	C	16	.26	.24	.23
571-17949548	1-794954-8	C	18	.27	.25	.24
571-27949540	2-794954-0	C	20	.30	.27	.26
571-27949542	2-794954-2	C	22	.33	.30	.28
571-27949544	2-794954-4	C	24	.36	.33	.31

PIN HEADERS - VERTICAL

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

Without Pegs						
571-15860372	1586037-2	D	2	.39	.35	.33
571-15860374	1586037-4	D	4	.47	.43	.40
571-15860376	1586037-6	D	6	.56	.51	.48
571-15860378	1586037-8	D	8	.70	.67	.63
571-115860370	1-1586037-0	D	10	.75	.68	.64
571-115860372	1-1586037-2	D	12	1.02	.97	.92
571-115860374	1-1586037-4	D	14	1.09	1.04	.98
571-115860376	1-1586037-6	D	16	1.14	1.02	.97
571-115860378	1-1586037-8	D	18	1.20	1.08	1.02
571-215860370	2-1586037-0	D	20	1.33	1.20	1.13
571-215860372	2-1586037-2	D	22	1.50	1.42	1.28
571-215860374	2-1586037-4	D	24	1.54	1.46	1.38
With Pegs						
571-15860392	1586039-2	D	2	.36	.33	.31
571-15860394	1586039-4	D	4	.45	.43	.40
571-15860396	1586039-6	D	6	.46	.44	.42
571-15860398	1586039-8	D	8	.56	.54	.48
571-115860390	1-1586039-0	D	10	.66	.60	.56
571-115860392	1-1586039-2	D	12	.89	.85	.80
571-115860394	1-1586039-4	D	14	.93	.84	.79
571-115860396	1-1586039-6	D	16	.99	.90	.85

PIN HEADERS - VERTICAL (CONT.)

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
With Pegs (cont.)						
571-115860398	1-1586039-8	D	18	1.08	1.03	.97
571-215860390	2-1586039-0	D	20	1.17	1.05	.99
571-215860392	2-1586039-2	D	22	1.27	1.20	1.14
571-215860394	2-1586039-4	D	24	1.31	1.18	1.11

PIN HEADERS - RIGHT ANGLE

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
Without Pegs						
571-15860412	1586041-2	E	2	.59	.56	.53
571-15860414	1586041-4	E	4	.71	.64	.61
571-15860416	1586041-6	E	6	.79	.71	.67
571-15860418	1586041-8	E	8	.89	.85	.80
571-115860410	1-1586041-0	E	10	.93	.84	.79
571-115860412	1-1586041-2	E	12	1.19	1.13	1.07
571-115860414	1-1586041-4	E	14	1.27	1.20	1.14
571-115860416	1-1586041-6	E	16	1.34	1.28	1.21
571-115860418	1-1586041-8	E	18	1.41	1.34	1.27
571-215860410	2-1586041-0	E	20	1.50	1.35	1.28
571-215860412	2-1586041-2	E	22	1.70	1.62	1.45
571-215860414	2-1586041-4	E	24	1.71	1.62	1.54
Screw Mount						
571-15860432	1586043-2	E	2	.64	.58	.55
571-15860434	1586043-4	E	4	.67	.64	.60
571-15860436	1586043-6	E	6	.68	.65	.62
571-15860438	1586043-8	E	8	1.08	1.03	.97
571-115860430	1-1586043-0	E	10	1.16	1.10	1.05
571-115860432	1-1586043-2	E	12	1.44	1.37	1.30
571-115860434	1-1586043-4	E	14	1.54	1.46	1.38
571-115860436	1-1586043-6	E	16	1.57	1.49	1.41
571-115860438	1-1586043-8	E	18	1.58	1.50	1.42
571-215860430	2-1586043-0	E	20	1.59	1.51	1.43
571-215860432	2-1586043-2	E	22	1.97	1.87	1.77
571-215860434	2-1586043-4	E	24	2.08	1.97	1.87

CONTACTS

1) Brass, Tin plate
2) Brass, Gold plate
3) Phosphor Bronze, Tin plate
4) Phosphor Bronze, Gold plate

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Wire AWG	Contact Material	Price Each		
					1	100	500
Sockets - (Use in receptacle housings)							
571-15863151	1586315-1	F	22-18	1	.11	.10	.09
571-15863171	1586317-1	F	26-22	1	.12	.11	.10
571-15863152	1586315-2	F	22-18	2	.48	.43	.41
571-15863172	1586317-2	F	26-22	2	.48	.43	.41
571-15863153	1586315-3	F	22-18	3	.13	.12	.11
571-15863173	1586317-3	F	26-22	3	.13	.12	.11
571-15863154	1586315-4	F	22-18	4	.54	.48	.46
571-15863174	1586317-4	F	26-22	4	.54	.48	.46
Pins - (Use in plug housings)							
571-15863141	1586314-1	G	22-18	1	.12	.11	.10
571-15863161	1586316-1	G	26-22	1	.12	.11	.10
571-15863142	1586314-2	G	22-18	2	.31	.28	.26
571-15863162	1586316-2	G	26-22	2	.31	.28	.26
571-15863143	1586314-3	G	22-18	3	.13	.12	.11
571-15863163	1586316-3	G	26-22	3	.13	.12	.11
571-15863144	1586314-4	G	22-18	4	.33	.30	.28
571-15863164	1586316-4	G	26-22	4	.33	.30	.28

TOOLS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Wire AWG	Price Each
571-91387-1	91387-1	PRO-CRIMPER & Die for pins and sockets	26-22 AWG	858.00
571-91388-1	91388-1	PRO-CRIMPER & Die for pins and sockets	22-18 AWG	484.00

AVX I/O and IDC Connectors

RoHS Compliant This page of product is compliant.

A KYOCERA GROUP COMPANY

9157 SERIES I/O CONNECTORS

Features:

- Patented 20° angled face on socket gives self-cleaning face when mated with plug
- Metal Latching area integral to socket which saves PCB real estate
- Integral to socket is a mechanical 50Ω switching coax SMT termination

Specifications:

- 15 signal contacts on 1mm pitch rated at 1.5A
- RoHS compliant per AVX documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Description	Price Each			
				1	25	50	100
581-109157015000006	109157015000006	A	15P Plug Solder Wire	2.46	2.34	2.22	2.11
581-109157015001006	109157015001006	B	15P Plug Solder Wire with RF contact	13.48	12.84	12.20	11.56
581-109157019000006	109157019000006	C	19P Plug Solder Wire	3.47	3.30	3.14	2.97
581-209157015000006	209157015000006	D	15P Socket, 90° SMT	1.91	1.82	1.73	1.64
581-209157015001006	209157015001006	E	15P Socket, 90° SMT with RF contact	2.75	2.62	2.49	2.36
581-209157019000006	209157019000006	F	19P Socket, 90° SMT	4.18	3.98	3.78	3.58
581-309157970000035	309157970000035	G	Cover Kit Screw/Press-fit Version	2.60	2.48	2.36	2.23

9257 SERIES REDUCED SIZE I/O CONNECTORS

Features:

- No latching is required due to click design of contacts
- Compact size to optimize PCB real estate
- Metal outer cover provides integrated PCB location and solder tab

Specifications:

- 5K mating cycles and 1A rated
- Socket houses 16 contacts, 2 rows on 1.25mm pitch
- Socket has rating 1 Amp per contact
- RoHS compliant per AVX documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	Description	Price Each			
				1	25	50	100
581-109257016001003	109257016001003	H	Plug 16 Way Dual Sided	1.87	1.78	1.69	1.60
581-209257016001013	209257016001013	I	Socket 16 Way	1.39	1.32	1.25	1.19

8284 SERIES SINGLE ROW IDC CONNECTORS .100" (2.54MM)

Features:

- Header is 1 piece insulator with various termination options
- Socket is 2 piece insulator design with IDC contacts suitable for termination to 26/28 AWG Stranded ribbon cable or dip solder terminations

Specifications:

- Material: Molding - UL94VO rated gray polyester
- Current Rating: 1.5 Amp maximum at 25°C, 1 Amp maximum at 70°C
- Voltage Rating: 350V DC or AC peak
- Operating temperature: -55°C to +125°C
- RoHS compliant per AVX documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	AVX Part No.	Fig.	No. of Positions	"F" Dimension: mm (in.)	Price Each			
					1	25	50	100
Header, Straight 2.8mm PC Tail								
581-108284008000030	108284008000030	J	8	23.70 (0.93)	2.37	2.26	2.15	2.03
581-108284014000030	108284014000030	J	14	38.94 (1.53)	2.46	2.34	2.22	2.11
581-108284024000030	108284024000030	J	24	64.34 (2.53)	4.12	3.92	3.72	3.53
Socket, Single Row, Tin Plated								
581-208284008000030	208284008000030	K	8	23.70 (0.93)	3.13	2.98	2.83	2.68
581-208284014000030	208284014000030	K	14	34.54 (1.36)	3.34	3.18	3.02	2.86
581-208284024000030	208284024000030	K	24	64.34 (2.53)	3.34	3.18	3.02	2.86

IDC Cable

MOUSER STOCK NO.	AVX Part No.	Fig.	Description	Price Each	
				1	5
581-902026710101000	902026710101000	-	8P, 2.54mm	163.82	141.97
581-902026709401000	902026709401000	-	14P, 2.54mm	230.19	199.50
581-902026709601000	902026709601000	-	24P, 2.54mm	390.35	338.30

9176 SERIES DISCRETE WIRE TO BOARD IDC CONNECTORS

Features:

- Small single row IDC
- Uses stranded wire 18 to 24 AWG
- Insulators are end to end stackable for higher pin counts

Specifications:

- Rated at 10 Amps
- Insulation Material: High-temp Nylon 46
- Current Rating: 1A continuous through all contacts at 25°C
- RoHS compliant per AVX documentation

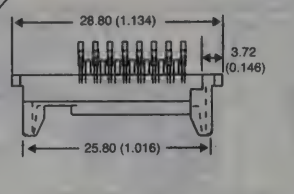
RoHS Compliant

For quantities of 250 and up, call for quote.

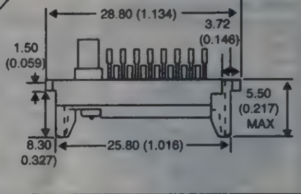
MOUSER STOCK NO.	AVX Part No.	Fig.	Description	Price Each			
				1	25	50	100
581-009176002011006	009176002011006	L	2 WAY, 20 AWG	.86	.82	.78	.74
581-009176002022006	009176002022006	L	2 WAY, 22 AWG	.86	.82	.78	.74
581-009176003011006	009176003011006	M	3 WAY, 20 AWG	.92	.88	.84	.79
581-009176003022006	009176003022006	M	3 WAY, 22 AWG	.92	.88	.84	.79
Tools							
581-067000773001000	067000773001000	N	Hand Inserting Tool	22.58	21.17	19.75	18.34
581-069176701601000	069176701601000	-	Metal/Plastic Max. Insulation Dia. 2.10	6.26	5.87	5.47	5.08
581-069176701602000	069176701602000	-	Metal/Plastic Max. Insulation Dia. 1.60	6.26	5.87	5.47	5.08

DIMENSIONS: mm (in.)

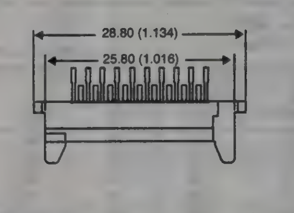
A


28.80 (1.134)
3.72 (0.146)
25.80 (1.016)

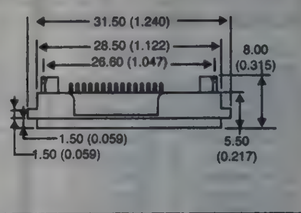
B


28.80 (1.134)
3.72 (0.146)
1.50 (0.059)
5.50 (0.217) MAX
8.30 0.327)
25.80 (1.016)

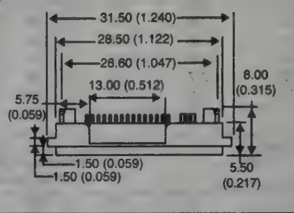
C


28.80 (1.134)
25.80 (1.016)

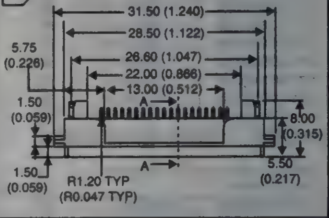
D


31.50 (1.240)
28.50 (1.122)
26.60 (1.047)
8.00 (0.315)
1.50 (0.059)
1.50 (0.059)
5.50 (0.217)

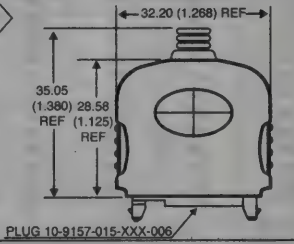
E


31.50 (1.240)
28.50 (1.122)
26.60 (1.047)
13.00 (0.512)
5.75 (0.059)
8.00 (0.315)
1.50 (0.059)
1.50 (0.059)
5.50 (0.217)

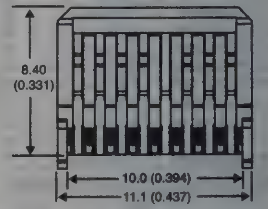
F


31.50 (1.240)
28.50 (1.122)
5.75 (0.226)
26.60 (1.047)
22.00 (0.866)
13.00 (0.512)
A
1.50 (0.059)
8.00 (0.315)
1.50 (0.059)
R1.20 TYP (R0.047 TYP)
A
5.50 (0.217)

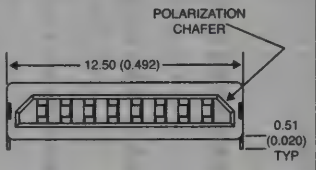
G


32.20 (1.268) REF
35.05 (1.380) REF
28.58 (1.125) REF
PLUG 10-9157-015-XXX-006

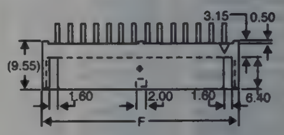
H


8.40 (0.331)
10.0 (0.394)
11.1 (0.437)

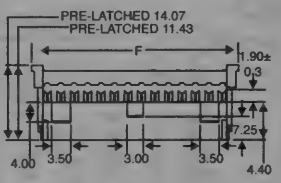
I


POLARIZATION CHAFER
12.50 (0.492)
0.51 (0.020) TYP

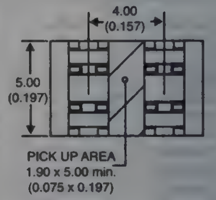
J


3.15
0.50
(9.55)
1.60
2.00
1.60
6.40
F

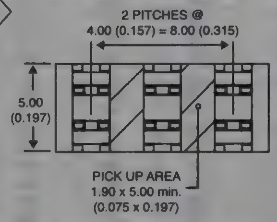
K


PRE-LATCHED 14.07
PRE-LATCHED 11.43
F
1.90± 0.3
7.25
4.00
3.50
3.00
3.50
4.40

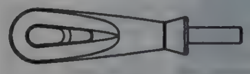
L


4.00 (0.157)
5.00 (0.197)
PICK UP AREA 1.90 x 5.00 min. (0.075 x 0.197)

M

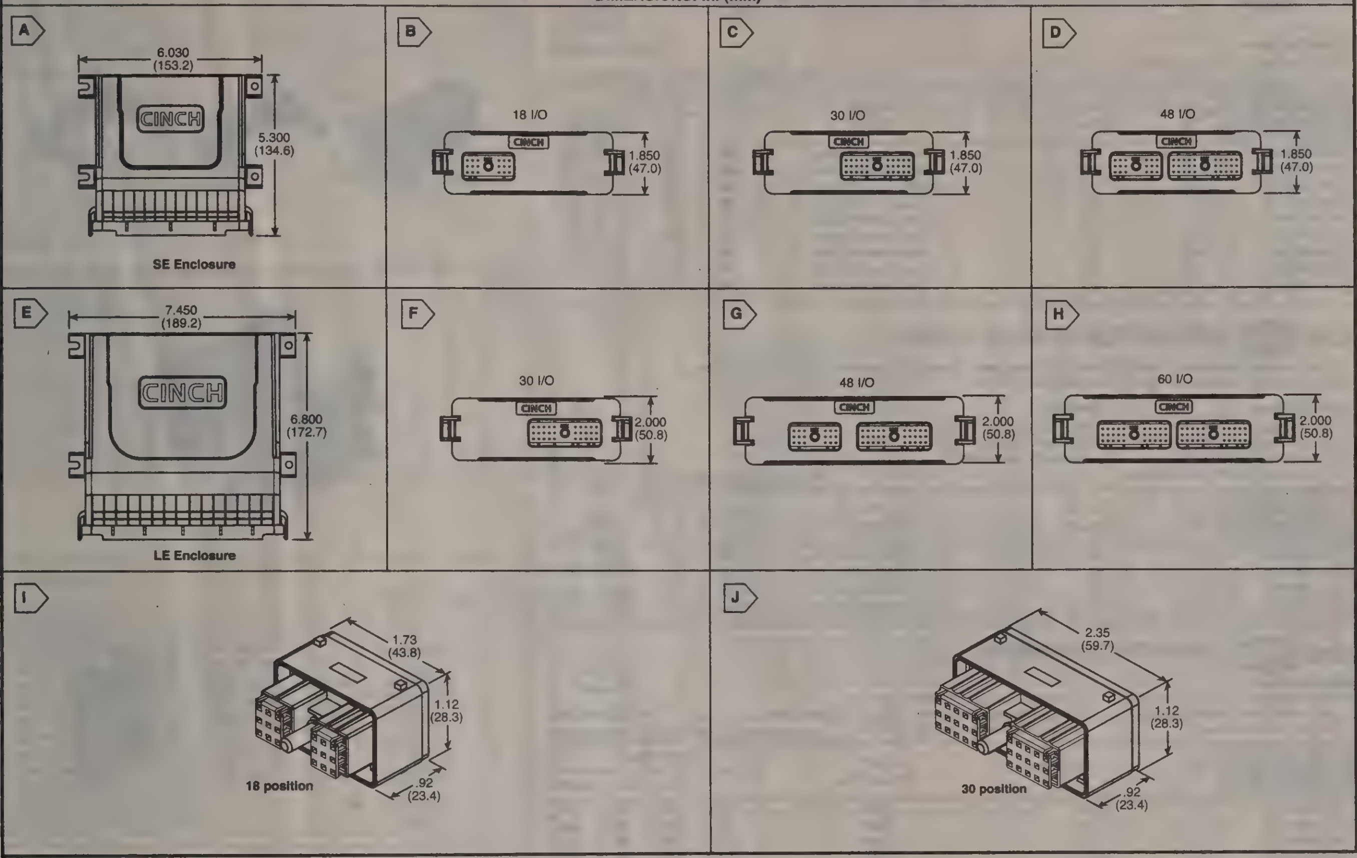

2 PITCHES @ 4.00 (0.157) = 8.00 (0.315)
5.00 (0.197)
PICK UP AREA 1.90 x 5.00 min. (0.075 x 0.197)

N



CINCH Modular Integrated Connector Enclosures

DIMENSIONS: in. (mm)



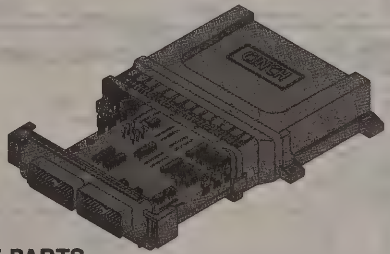
ModICE offers a high quality sealed electro-mechanical interface and is rated IP67 and IP69.
Ideal for use in On/Off highway vehicles, agricultural, construction or material handling equipment and other specialty applications.

Features:

- Rugged connector enclosure system
- Header suited for wave and reflow soldering
- Header modularity allows for various designs (Coax, Power I/O, etc.)
- Heat Sink Option
- Ferrite Filtering Option
- Interfaces with Cinch SHS, industry standard harness connectors
- Simple Assembly
- Headers are preinstalled with contacts
- Measurements: SE: 6.030" (153.2) x 5.300" (134.6)
  LE: 7.450" (189.2) x 6.800" (172.7)

Materials:

- Enclosure: Glass filled polymer
  Glass filled, high temperature, polymer
- Left and Right Side: Spring needed for enclosures with a heat sink
- Terminals: Brass. Post Tin plated. Seals: Silicone



SE ENCLOSURE PARTS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Price Each	
				1	5
538-581-01-30-043	581-01-30-043	A	SE Enclosure, Black without heat sink	14.08	13.76
538-581-01-30-041	581-01-30-041	A	SE Enclosure, Black with 2 heat sink	26.12	25.05
538-581-00-00-020	581-00-00-020	-	Left side spring for encls. w/ heat sink	2.75	2.67
538-581-00-00-021	581-00-00-021	-	Right side spring for encls. w/ heat sink	2.75	2.67
538-581-01-18-032	581-01-18-032	B	18 Position Black I/O Header	14.08	13.76
538-581-01-30-044	581-01-30-044	C	30 Position Black I/O Header	17.72	17.08
538-581-01-48-005	581-01-48-005	D	48 Position Black I/O Header	23.10	22.49
538-581-01-18-033	581-01-18-033	B	18 Position Black I/O Filtered Header	14.29	13.98
538-581-01-30-046	581-01-30-046	C	30 Position Black I/O Filtered Header	17.72	17.08
538-581-01-48-007	581-01-48-007	D	48 Position Black I/O Filtered Header	27.04	26.36

LE ENCLOSURE PARTS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Description	Price Each	
				1	5
538-581-01-60-033	581-01-60-033	E	LE Enclosure, Black without heat sink	17.49	17.00
538-581-01-60-031	581-01-60-031	E	LE Enclosure, Black with 2 heat sink	29.27	28.44
538-581-00-00-020	581-00-00-020	-	Left side spring for encls. w/ heat sink	2.75	2.67
538-581-00-00-021	581-00-00-021	-	Right side spring for encls. w/ heat sink	2.75	2.67
538-581-01-30-045	581-01-30-045	F	30 Position Black I/O Header	17.72	17.08
538-581-01-48-006	581-01-48-006	G	48 Position Black I/O Header	23.81	23.01
538-581-01-60-005	581-01-60-005	H	60 Position Black I/O Header	28.28	27.48
538-581-01-30-051	581-01-30-051	F	30 Position Black I/O Filtered Header	20.98	20.15
538-581-01-48-008	581-01-48-008	G	48 Position Black I/O Filtered Header	28.45	27.49
538-581-01-60-006	581-01-60-006	H	60 Position Black I/O Filtered Header	33.30	32.35

SHS HARNESS CONNECTORS

To configure harnesses to mate with the headers, please add the total positions of each harness in combination to match the number of positions of the header. For example :
One 18 position harness, 538-581-01-18-023 and one 30 position harness, 538-581-01-30-028 are to be used to mate with the 48 position I/0 header. One 30 position harness, 538-581-01-30-028 and one 30 position Alternative Key harness, 538-581-01-30-029 are to be used with the 60 pos I/O header.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Positions	Price Each	
				1	5
538-581-01-18-023	581-01-18-023	I	18	6.68	6.50
*538-581-01-30-028	581-01-30-028	J	30	8.65	8.33
**538-581-01-30-029	581-01-30-029	-	30	8.65	8.33

* Only Mates to 538-581-01-60-005 in conjunction with 538-581-01-30-029
** Alternative Key Configuration

CONTACTS FOR SHS HARNESS CONNECTORS

- Crimp contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Description	Price Each	
			1	100
538-425-00-00-872	425-00-00-872	SHS terminal 20 AWG GXL, 18 AWG TXL	.16	.15
538-425-00-00-873	425-00-00-873	SHS terminal 18 AWG GXL, 16 AWG TXL, 16 AWG GXL	.12	.11

IDC Connectors, Jumpers and Headers

KOBICONN IDC SOCKET CONNECTOR WITH STRAIN RELIEF

RoHS Compliant

Specifications:
- .100" spacing
- Rating: 1A

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Contacts	Contact Plating	Price Each			
				1	10	100	500
164-9006-E	A	10	Gold over Nickel	.36	.24	.22	.20
164-9007-E	A	14	Gold over Nickel	.50	.33	.30	.27
164-9008-E	A	16	Gold over Nickel	.50	.33	.30	.27
164-9001-E	A	20	Gold over Nickel	.50	.33	.30	.27
164-9010-E	A	24	Gold over Nickel	.77	.51	.47	.43
164-9002-E	A	26	Gold over Nickel	.54	.36	.33	.30
164-9003-E	A	34	Gold over Nickel	.66	.44	.40	.36
164-9004-E	A	40	Gold over Nickel	.77	.31	.47	.43
164-9005-E	A	50	Gold over Nickel	.95	.63	.58	.53

KOBICONN IDC DIP FLAT CABLE PLUGS

DIP plug connectors are ideal for board-to-board or MPU emulation. Ribbed and grooved for positive cable positioning. They provide a low cost interconnect with excellent contact reliability.

Specifications:
- Current rating: 1A
- Insulation resistance: $10^{10}\,\Omega$
- Breakdown voltage: 500VDC
- IDC wire size: 28 AWG/.050" Spacing

Features:
- IDC mass termination
- Gold plated contacts
- Mates with .050" flat cable

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Contacts	Pin Spacing: (IN)	Price Each			
				1	10	100	500
151-2P14-E	B	14	.100 x .300	.77	.69	.63	.57
151-2P16-E	B	16	.100 x .300	1.07	.71	.65	.59
151-2P24-E	B	24	.100 x .300	1.13	.76	.69	.62
151-2P40-E	B	40	.100 x .600	1.82	1.21	1.10	1.00

KOBICONN SHORTING JUMPERS

Specifications:
- Fits all standard .100" space headers
- Low insertion and withdrawal forces
- Nail grip for easy removal
- Phosphor bronze gold flash over nickel
- Open-ended option permits stacking and probe testing
- Operating temperature: 55°C to 105°C

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Open/ Closed Top	Price Each			
				1	100	500	1000
151-8000-E	C	Black	Open	.12	.08	.05	.04
151-8001-E	C	Blue	Open	.12	.08	.05	.04
151-8003-E	C	Red	Open	.12	.08	.05	.04
151-8010-E	C	Black	Closed	.12	.08	.05	.04
151-8011-E	C	Blue	Closed	.12	.08	.05	.04
151-8013-E	C	Red	Closed	.12	.08	.05	.04

KOBICONN THUMB PULL SHORTING JUMPERS

Specifications:
- Current rating: 1A
- Contact resistance: 15mΩ
- Insertion force: 80g
- Withdrawal force: 112g
- Gold plated contacts

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Price Each			
			1	100	500	1000
151-8030-E	D	Black	.24	.16	.10	.08
151-8031-E	D	Blue	.24	.16	.10	.08
151-8033-E	D	Red	.24	.16	.10	.08

KOBICONN DIP THROUGH PIN COMPONENT HEADERS

Component headers allow discrete components to be assembled to a standard SIP/DIP base. It then can be plugged into a socket or soldered directly to a PC board.

Specifications:
- Insulator: PBT 30% glass filled polyester
- Contact: precision machined,gold plated brass
- Pin: gold plated brass
- Current rating: 1A
- Temperature range: -55°C to +125°C

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins	Pin Spacing: (IN)	Price Each			
				1	100	500	1000
151-23169	E	16	.30 x .100	1.82	1.40	1.28	1.16
151-23149	E	14	.30 x .100	1.57	1.21	1.10	.99

3M INTRA-CONNECTORS

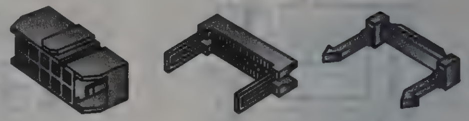
The Intra-Connector makes inaccessible circuits accessible for testing by providing probe pins in-line between ribbon cable sockets and standard mating. .100" x .100" board connectors.

Specifications:
- Includes one set of female contacts and two sets of male contacts at right angles
- Male contacts are standard .025" square pins

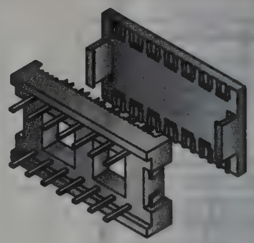
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each	
				1	5
517-922576-20	922576-20-I	F	20	14.84	13.80
517-922576-26	922576-26-I	F	26	15.45	14.37
517-922576-34	922576-34-I	F	34	17.24	15.72
517-922576-40	922576-40-I	F	40	18.90	16.50
517-922576-50	922576-50-I	F	50	22.94	20.65
517-922576-60	922576-60-I	F	60	23.77	20.82

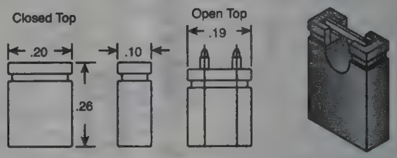
A



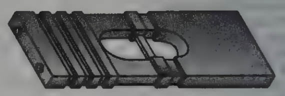
B



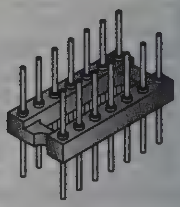
C



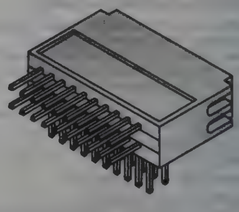
D



E



F

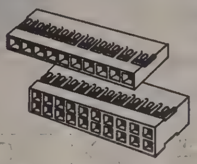


MINI-LATCH PV™ HOUSING

For use with dual metal Mini-PV™ contacts and crimp-to-wire pins. Allows simultaneous connections of Mini-PV™ terminated conductors on .100" x .100" or .100" x .200" double row to accommodate Mini-PV™ receptacles or crimp-to-wire male pins. Accepts crimp-to-wire Mini-PV™ range AWG 22-36 and crimp-to-wire pin AWG 22-32. Mates with .64mm (.025") square pin with length of 5.08mm (.200") min. to 6.22mm (.245") max.

Features:

- Made of modified polyphenylene oxide
- Rated UL 94V-1
- Color: black
- Insulation resistance: 1×10^5MΩ min.
- Temperature range: -40°C to +105°C
- Withstanding voltage: 100Vrms at sea level
- Latching force: 6.5 lbs. min. per position
- Optional polarization plug
- RoHS compliant per FCI documentation



RoHS Compliant

Single Row, .100" x .100" Centers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	No. of Positions	Width (In.)	Price Each			
				1	10	25	100
649-65039-036LF	65039-036LF	1	0.1	.31	.28	.27	.25
649-65039-035LF	65039-035LF	2	0.2	.37	.33	.32	.29
649-65039-034LF	65039-034LF	3	0.3	.42	.38	.36	.34
649-65039-033LF	65039-033LF	4	0.4	.44	.40	.38	.36
649-65039-032LF	65039-032LF	5	0.5	.51	.47	.45	.42
649-65039-031LF	65039-031LF	6	0.6	.60	.55	.51	.48
649-65039-030LF	65039-030LF	7	0.7	.60	.55	.51	.48
649-65039-029LF	65039-029LF	8	0.8	.65	.59	.56	.54
649-65039-027LF	65039-027LF	10	1.0	.76	.68	.65	.62

RoHS Compliant

Double Row, .100" x .100" Centers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	No. of Positions	Width (In.)	Price Each			
				1	10	25	100
649-65043-035LF	65043-035LF	4	0.2	.62	.57	.54	.51
649-65043-034LF	65043-034LF	6	0.3	.60	.55	.51	.48
649-65043-033LF	65043-033LF	8	0.4	.72	.66	.63	.60
649-65043-032LF	65043-032LF	10	0.5	1.01	.92	.87	.83
649-65043-031LF	65043-031LF	12	0.6	.24	.22	.21	.20
649-65043-030LF	65043-030LF	14	0.7	1.43	1.30	1.23	1.17
649-65043-029LF	65043-029LF	16	0.8	1.25	1.13	1.07	1.02
649-65043-027LF	65043-027LF	20	1.0	1.76	1.60	1.52	1.44
649-65043-024LF	65043-024LF	26	1.3	2.13	1.93	1.84	1.74
649-65043-017LF	65043-017LF	40	2.0	2.38	2.17	2.06	1.95

RoHS Compliant

Polarized Single Row, .100" x .100" Centers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	No. of Positions	Width (In.)	Price Each			
				1	10	25	100
649-67954-002LF	67954-002LF	3	0.3	.67	.61	.58	.56
649-78211-003LF	78211-003LF	3	0.3	.46	.42	.40	.38
649-78211-004LF	78211-004LF	4	0.4	.60	.55	.51	.48
649-78211-006LF	78211-006LF	6	0.6	.85	.78	.73	.70

RoHS Compliant

Polarized Double Row, .100" x .100" Centers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	No. of Positions	Width (In.)	Price Each			
				1	10	25	100
649-65846-001LF	65846-001LF	24	1.2	2.13	1.93	1.84	1.74
649-65846-002LF	65846-002LF	30	1.5	2.41	2.19	2.08	1.97
649-65846-006LF	65846-006LF	20	1.0	1.80	1.63	1.54	1.47
649-65846-007LF	65846-007LF	14	0.7	1.50	1.36	1.30	1.23
649-65846-010LF	65846-010LF	10	0.5	1.22	1.11	1.05	1.00
649-65846-015LF	65846-015LF	6	0.3	1.01	.92	.87	.83
649-65846-016LF	65846-016LF	8	0.4	1.04	.94	.89	.85
649-69176-006LF	69176-006LF	6	0.3	1.04	.94	.89	.85
649-69176-008LF	69176-008LF	8	0.4	1.22	1.11	1.05	1.00
649-69176-010LF	69176-010LF	10	0.5	1.35	1.23	1.17	1.10
649-69176-012LF	69176-012LF	12	0.6	1.53	1.40	1.30	1.25
649-69176-016LF	69176-016LF	16	0.8	1.82	1.65	1.56	1.49
649-69176-020LF	69176-020LF	20	1.0	2.13	1.93	1.84	1.74

BERGCON® SYSTEM POLARIZATION PLUG

Specifications:

- Material: Nylon UL94V-0, white
- Temperature Rating: -40°C to +105°C
- Use with Mini-Latch™ and Maxi-Latch™ housings
- RoHS compliant per FCI documentation

RoHS Compliant

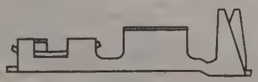
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Price Each			
		1	10	25	100
649-65307-001LF	65307-001LF	.12	.11	.10	.09

BERGCON® CRIMP-TO-WIRE MINI-PV™ RECEPTACLES

Mate to .019" and .025" round or square pins. Dual-metal contact design provides constant retention force after repeated cycles. These female receptacles have beryllium-copper spring and brass body and offer superior electrical and mechanical characteristics. Standard spring force is recommended for use in Mini-Latch™ housings 40-72 positions. High spring force for Mini-Latch housings 10-50 positions. Reel versions are available.

* 1 = 30μ" gold over nickel with gold flash
2 = 15μ" gold over nickel with gold flash
3 = 100μ" tin-lead
4 = 40μ" gold over nickel with gold flash
5 = 100μ" tin



RoHS Compliant

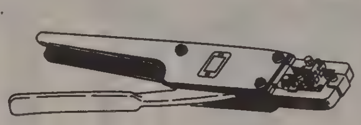
- RoHS Compliant per FCI documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	AWG	Spring Force	Plating *	Price Each			
					1	10	25	100
649-47716-000LF	47716-000LF	18,20	High	5	.36	.33	.31	.30
649-48236-000LF	48236-000LF	22,24,26	Ult High	1	.36	.31	.28	.24
649-48257-000LF	48257-000LF	22,24,26	Ult High	2	.24	.21	.19	.17
649-47750-000LF	47750-000LF	22,24,26	Ult High	5	.16	.15	.14	.13
649-48254-000LF	48254-000LF	22,24,26	High	2	.20	.19	.18	.17
649-47715-000LF	47715-000LF	22,24,26	High	3	.20	.19	.18	.17
649-47712-000LF	47712-000LF	22,24,26	High	4	.38	.35	.34	.31
649-48234-000LF	48234-000LF	22,24,26	High	1	.38	.35	.33	.32
649-48235-000LF	48235-000LF	22,24,26	Standard	1	.19	.18	.17	.16
649-48251-000LF	48251-000LF	22,24,26	Standard	2	.16	.14	.12	.11
649-47747-000LF	47747-000LF	22,24,26	Standard	5	.16	.15	.14	.13
649-47743-000LF	47743-000LF	22,24,26	Standard	4	.36	.33	.32	.30
649-47745-000LF	47745-000LF	22,24,26	Ult High	4	.36	.33	.32	.30
649-48239-000LF	48239-000LF	28,30,32	Ult High	1	.35	.33	.30	.28
649-47748-000LF	47748-000LF	28,30,32	High	2	.19	.18	.17	.15
649-48237-000LF	48237-000LF	28,30,32	High	1	.36	.31	.28	.24
649-48252-000LF	48252-000LF	28,30,32	High	2	.18	.17	.16	.15

HAND TOOLS

Lightweight, rugged hand tools have ratchet-action handle that assures complete crimp cycle.
For application on crimp-to-wire PV receptacles and pins.



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Description	AWG	Price Each
649-HT-73	HT-0073	Mini-PV™	18-20	724.24
649-HT-95	HT-0095	Mini-PV™	22-32	959.78
649-HT-48	HT-0048	Maxi-PV™	22-26	816.90
649-HT-80	HT-0080	PV removal tool	- - -	9.49
649-HT-49	HT-0049	Maxi-PV™	18-20	760.18
649-HT-102	HT-0102	Pin contacts	22-32	816.91

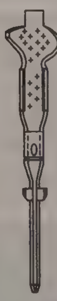
MALE CRIMP-TO-WIRE PINS

Crimp-to-wire pin fits in Mini-Latch™ housings. Mates to Mini-PV™ receptacles.
0.100" minimum spacing.
Brass contact and gold finish.

Specifications:

- Current rating: 3A continuous depending on wire size
- Resistance: 5mΩ max.
- Temperature range: -65°C to +125°C
- RoHS compliant per FCI documentation

RoHS Compliant



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	AWG	Price Each			
			1	10	25	100
649-48115-000LF	48115-000LF	28 - 32	.63	.57	.54	.51
649-48116-000LF	48116-000LF	22 - 26	.55	.50	.47	.45

FCI .100"x .100" Quickie™ Connectors
(2.54mm x 2.54mm)

QUICKIE™ IDC 4-WALL VERTICAL THRU MOUNT HEADERS

- Color: Black
- Tail length: 3.05mm (0.120")
- Temperature range: -65°C to + 125°C
- Current rating: 3A continuous

Vertical Slimline Shrouded Headers

- Housing material: Glass-filled thermoplastic polyester
- Housing style: Low-profile
- Insulation resistance: 10,000 mΩ
- RoHS compliant per FCI documentation

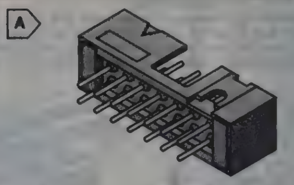
RoHS Compliant

For quantities of 200 or more, call for quote.

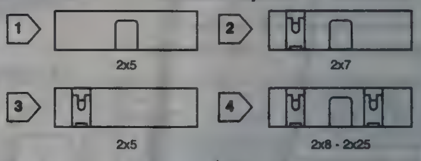
MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Polarization Style	Withstand Voltage (VAC rms)	Contact Area Plating 0.76μm (30μ")	Price Each			
							1	25	50	100
*649-66506-001LF	66506-001LF	A	2x5	1	500	Gold	.89	.81	.77	.73
*649-66506-031LF	66506-031LF	A	2x25	4	500	Gold	2.30	2.09	1.99	1.88
649-66506-038LF	66506-038LF	A	2x7	2	500	Gold	1.35	1.23	1.17	1.10
*649-66506-043LF	66506-043LF	A	2x8	4	500	Gold	.78	.74	.72	.69
649-66506-008LF	66506-008LF	A	2x10	4	500	Gold	1.59	1.44	1.37	1.30
649-66506-053LF	66506-053LF	A	2x20	4	500	GXT	2.45	2.22	2.11	2.00
*649-66506-066LF	66506-066LF	A	2x5	1	500	GXT	.42	.38	.36	.34
649-66506-119LF	66506-119LF	A	2x5	3	500	GXT	1.01	.92	.88	.83

*Tail Length: 2.67mm (0.105")

A



Polarization Styles:



Straight Eject Latch Headers

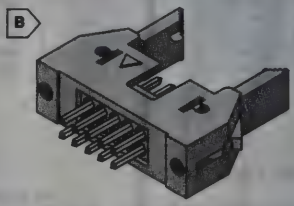
- Board thickness: 2.36mm (0.093")
- Tail plating: 2.54μm (100μ") Tin-Lead
- Housing material: High temperature thermoplastic
- Mating data: All Quickie™ receptacles, select discrete wiring mini-latch housings
- Insulation resistance: 10,000 MΩ min.
- RoHS compliant per FCI documentation

RoHS Compliant

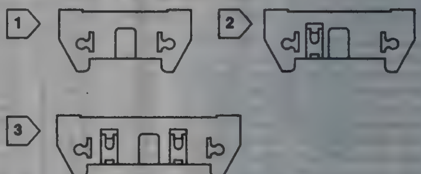
For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Header Style	Withstand Voltage (VAC rms)	Contact Area Plating 0.38μm (15μ")	Price Each			
							1	25	50	100
649-53611-S10-4LF	53611-S10-4LF	B	2x5	1	1500 min.	Gold	2.10	1.91	1.82	1.72
649-53611-S14-4LF	53611-S14-4LF	B	2x7	2	1500 min.	Gold	2.48	2.25	2.14	2.03
649-53611-S16-4LF	53611-S16-4LF	B	2x8	3	1500 min.	Gold	10.00	9.09	8.63	8.18
649-53611-S20-4LF	53611-S20-4LF	B	2x10	3	1500 min.	Gold	2.91	2.65	2.51	2.38
649-53611-S26-4LF	53611-S26-4LF	B	2x13	3	1500 min.	Gold	4.01	3.65	3.47	3.29

B



Header Styles:



QUICKIE™ SHROUDED LOW PROFILE HEADERS

- Recessed pins assure prope alignment and eliminate damage during mating
- End windows for latching with IDC recepacle
- Housing material: Glass-filled thermoplastic polyester
- Current rating: 3 A continuous
- Insulation resistance: 10,000 MΩ
- Dielectric withstanding voltage: 500 V min
- Temperature range: -65°C to + 125°C
- Contact Area Plating: 0.76μm (30μ")
- Tail Area Plating: 3.81μm (150μ")
- RoHS compliant per FCI documentation

RoHS Compliant

Vertical Through Mount Headers

For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Contact Area Plating	Tail Area Plating	Withstand Voltage (VAC rms)	Price Each			
							1	25	50	100
649-75869-101LF	75869-101LF	C	2x5	Gold	Tin	500	1.03	.93	.89	.84
649-75869-103LF	75869-103LF	C	2x8	Gold	Tin	500	.98	.90	.85	.81
649-75869-104LF	75869-104LF	C	2x10	Gold	Tin	500	.88	.80	.76	.72
649-75869-130LF	75869-130LF	C	2x2	Gold	Tin	500	.38	.35	.33	.31
649-75869-131LF	75869-131LF	C	2x3	Gold	Tin	500	.43	.39	.37	.35
649-75869-132LF	75869-132LF	C	2x4	Gold	Tin	500	.46	.42	.40	.38

Right Angle Through Mount Headers

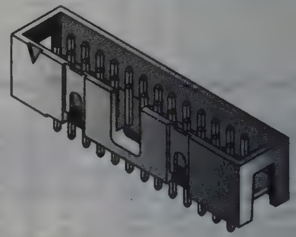
- RoHS compliant per FCI documentation

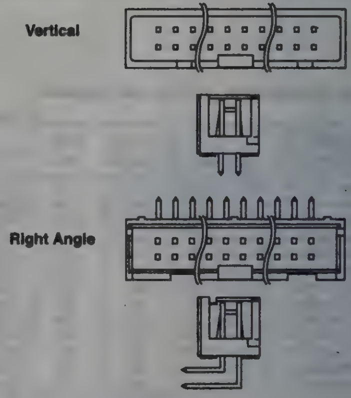
RoHS Compliant

For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Contact Area Plating	Tail Area Plating	Withstand Voltage (VAC rms)	Price Each			
							1	25	50	100
649-75867-101LF	75867-101LF	C	2x5	Gold	Tin	500	.63	.57	.55	.52
649-75867-103LF	75867-103LF	C	2x8	Gold	Tin	500	1.07	.97	.92	.88
649-75867-104LF	75867-104LF	C	2x10	Gold	Tin	500	.92	.84	.80	.75
649-75867-130LF	75867-130LF	C	2x2	Gold	Tin	500	.53	.48	.46	.43
649-75867-131LF	75867-131LF	C	2x3	Gold	Tin	500	.47	.42	.40	.38
649-75867-132LF	75867-132LF	C	2x4	Gold	Tin	500	.50	.45	.43	.41

C





QUICKIE™ II IDC DUAL-BEAM RECEPTACLES

Round Conductor, Flat Cable IDC Connectors

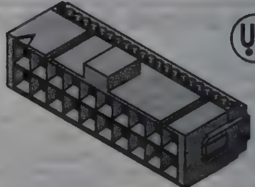
- Housing material: Glass-filled thermoplastic polyester
- Contact area plating: 0.76μm (30μ") Gold
- Color: Blue
- Insulation resistance: 50,000 MΩ
- Current rating: 1A continuous
- Temperature range: -65°C to + 105°C
- Contact resistance: 15 mΩ max
- Mating data: Mates with 0.64mm (0.025") square or round pin from 4.32mm (0.170") min to 6.35mm (0.25") max. A nominal 5.84mm (0.23") is recommended.
- Dual wire entry
- Double-scalloped cable slot assists accurate positioning of the cable over the contacts
- RoHS compliant per FCI documentation

RoHS Compliant

For quantities of 200 or more, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Polarization Style	Strain Relief	Withstand Voltage (VAC rms)	Price Each			
							1	25	50	100
649-66900-026LF	66900-026LF	D	2x13	Dual	Yes	1000	2.29	2.08	1.98	1.87
649-66900-040LF	66900-040LF	D	2x20	Dual	Yes	1000	3.17	2.89	2.74	2.60
649-66900-214LF	66900-214LF	D	2x7	Center	Yes	1000	2.05	1.87	1.77	1.68
649-66900-220LF	66900-220LF	D	2x10	Center & Dual	Yes	1000	2.08	1.89	1.80	1.70
649-66900-226LF	66900-226LF	D	2x13	Center & Dual	Yes	1000	1.99	1.81	1.71	1.62
649-66900-234LF	66900-234LF	D	2x17	Center & Dual	Yes	1000	2.01	1.87	1.73	1.64
649-66900-240LF	66900-240LF	D	2x20	Center & Dual	Yes	1000	2.34	2.13	2.02	1.92
649-66900-250LF	66900-250LF	D	2x25	Center & Dual	Yes	1000	3.73	3.39	3.22	3.05
649-66900-310LF	66900-310LF	D	2x5	Center	No	1000	1.00	.91	.86	.77

D



FCI Quickie™ and Conan™ Connectors

QUICKIE™ III CONNECTORS

- Contact area plating: 0.76µm (30µ") gold
- Housing Material: Glass-filled thermoplastic polyester
- Color: Gray
- Withstanding voltage: 1000VAC rms
- Current rating: 1A continuous

RoHS Compliant

IDC Single Beam Receptacles, Dual Cable Entry

- Cable entry: Dual
- Insulation resistance: 50,000MΩ
- Temperature range: -65°C to + 105°C
- Contact base material: Copper alloy
- Contact underplating: 1.27µm (50µ") nickel
- Contact resistance: 15mΩ max.
- RoHS Compliant per FCI documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Polarization Style	Strain Relief	Central Key	Price Each 1	25	50	100
649-71600-004LF	71600-004LF	A	2x2	Center	Yes	Yes	.55	.50	.48	.45
649-71600-006LF	71600-006LF	A	2x3	Center	Yes	Yes	.53	.48	.46	.43
649-71600-008LF	71600-008LF	A	2x4	Center	Yes	Yes	.60	.55	.52	.49
649-71600-010LF	71600-010LF	A	2x5	Center	Yes	Yes	.80	.75	.73	.70
649-71600-014LF	71600-014LF	A	2x7	Center	Yes	Yes	.65	.60	.59	.57
649-71600-016LF	71600-016LF	A	2x8	Center	Yes	Yes	.98	.89	.84	.80
649-71600-020LF	71600-020LF	A	2x10	Center	Yes	Yes	.81	.77	.75	.72
649-71600-026LF	71600-026LF	A	2x13	Center	Yes	Yes	1.33	1.21	1.15	1.09
649-71600-034LF	71600-034LF	A	2X17	Center	Yes	Yes	1.57	1.42	1.35	1.28
649-71600-040LF	71600-040LF	A	2x20	Center	Yes	Yes	1.21	1.10	1.04	.99
649-71600-044LF	71600-044LF	A	2x22	Center	Yes	Yes	4.79	4.35	4.13	3.92
649-71600-050LF	71600-050LF	A	2x25	Center	Yes	Yes	1.86	1.69	1.61	1.52
649-71600-060LF	71600-060LF	A	2x30	Center	Yes	Yes	2.64	2.40	2.28	2.16
649-71600-064LF	71600-064LF	A	2x32	Center	Yes	Yes	1.72	1.56	1.48	1.40
649-71600-108LF	71600-108LF	A	2x4	Center	No	Yes	.28	.25	.24	.23
649-71600-306LF	71600-306LF	A	2x3	Dual	Yes	No	1.20	1.09	1.04	.98
649-71600-308LF	71600-308LF	A	2X4	Dual	Yes	No	.81	.73	.70	.66
649-71600-310LF	71600-310LF	A	2x5	Dual	Yes	No	.89	.82	.76	.73
649-71600-314LF	71600-314LF	A	2x7	Dual	Yes	No	.84	.80	.77	.74

Eject Latch Headers, Standard Polarization

- Tail length: 2.90mm (.114")
- Tail plating: 3.81µm (150µ") Tin-lead
- Standard Polarization
- Insulation resistance: 100,000MΩ
- Temperature range: -65°C to + 125°C
- Housing style: Eject

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Polarization Style	Strain Relief	Central Key	Price Each 1	25	50	100
Vertical Through Mount										
649-71918-106LF	71918-106LF	B	2x3	Straight	Yes	No	1.03	.91	.82	.79
649-71918-108LF	71918-108LF	B	2x4	Straight	Yes	No	.95	.87	.83	.76
649-71918-110LF	71918-110LF	B	2x5	Straight	Yes	No	.89	.81	.77	.73
649-71918-114LF	71918-114LF	B	2x7	Straight	Yes	No	1.22	1.11	1.05	1.00
649-71918-116LF	71918-116LF	B	2x8	Straight	Yes	Yes	1.08	.99	.94	.89
649-71918-120LF	71918-120LF	B	2x10	Straight	Yes	Yes	1.20	1.09	1.04	.98
649-71918-126LF	71918-126LF	B	2x13	Straight	Yes	Yes	1.38	1.26	1.19	1.13
649-71918-134LF	71918-134LF	B	2x17	Straight	Yes	Yes	1.63	1.48	1.40	1.33
649-71918-140LF	71918-140LF	B	2x20	Straight	Yes	Yes	2.29	2.08	1.98	1.87
649-71918-150LF	71918-150LF	B	2x25	Straight	Yes	Yes	2.24	2.03	1.93	1.83
649-71918-160LF	71918-160LF	B	2x30	Straight	Yes	Yes	2.58	2.35	2.23	2.11
649-71918-164LF	71918-164LF	B	2x32	Straight	Yes	Yes	2.73	2.48	2.35	2.23
Right Angle Through Mount										
649-71922-106LF	71922-106LF	C	2x3	Right Angle	Yes	No	.88	.82	.79	.77
649-71922-108LF	71922-108LF	C	2x4	Right Angle	Yes	No	.83	.76	.72	.68
649-71922-110LF	71922-110LF	C	2x5	Right Angle	Yes	No	.89	.81	.77	.73
649-71922-116LF	71922-116LF	C	2x8	Right Angle	Yes	Yes	1.61	1.46	1.39	1.32
649-71922-120LF	71922-120LF	C	2x10	Right Angle	Yes	Yes	1.23	1.12	1.06	1.01
649-71922-134LF	71922-134LF	C	2x17	Right Angle	Yes	Yes	1.59	1.44	1.37	1.30
649-71922-140LF	71922-140LF	C	2x20	Right Angle	Yes	Yes	1.83	1.66	1.58	1.50
649-71922-144LF	71922-144LF	C	2x22	Right Angle	Yes	Yes	1.99	1.81	1.72	1.63
649-71922-150LF	71922-150LF	C	2x25	Right Angle	Yes	Yes	2.24	2.03	1.93	1.83
649-71922-160LF	71922-160LF	C	2x30	Right Angle	Yes	Yes	2.58	2.35	2.23	2.11
649-71922-164LF	71922-164LF	C	2x32	Right Angle	Yes	Yes	2.73	2.48	2.35	2.23

CONAN™ 1.00MM (.039") HIGH DENSITY MEZZANINE STACKING CONNECTORS

RoHS Compliant

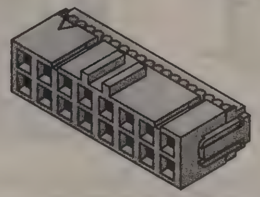
Features:

- Low-profile, surface-mount connectors for parallel board stacking
- 0.38um PdNi with gold flash finish in contact area; contacts on 1mm (.039") spacing
- Robust high retention connection performs well in mobile applications
- Current rating: 1 Amp per contact
- Options for 4.5mm and 5.0mm stack heights are also available
- Tube-packaged options are listed; tape-on-reel packaging is also available
- RoHS Compliant per FCI documentation

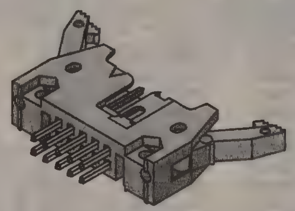
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Plating	Stacking Height	Price Each 1	25	50	100
Vertical Receptacles with Orientation Posts									
649-91930-21109LF	91930-21109LF	D	9	15µ" GXT™	- - -	1.52	1.37	1.31	1.24
649-91930-21111LF	91930-21111LF	D	11	15µ" GXT™	- - -	1.62	1.47	1.39	1.32
649-91930-21115LF	91930-21115LF	D	15	15µ" GXT™	- - -	1.80	1.64	1.55	1.47
649-91930-21121LF	91930-21121LF	D	21	15µ" GXT™	- - -	2.06	1.86	1.77	1.68
649-91930-21125LF	91930-21125LF	D	25	15µ" GXT™	- - -	2.34	2.13	2.02	1.91
649-91930-21131LF	91930-21131LF	D	31	15µ" GXT™	- - -	2.60	2.36	2.24	2.12
649-91930-21151LF	91930-21151LF	D	51	15µ" GXT™	- - -	4.05	3.69	3.50	3.32
649-91930-21169LF	91930-21169LF	D	69	15µ" GXT™	- - -	4.84	4.40	4.18	3.96
Vertical Plugs with Orientation Posts									
649-91910-21109LF	91910-21109LF	E	9	15µ" GXT™	4.15mm	1.33	1.21	1.15	1.09
649-91910-21409LF	91910-21409LF	E	9	15µ" GXT™	6.00mm	1.40	1.27	1.21	1.14
649-91910-21111LF	91910-21111LF	E	11	15µ" GXT™	4.15mm	1.36	1.24	1.18	1.12
649-91910-21411LF	91910-21411LF	E	11	15µ" GXT™	6.00mm	1.67	1.52	1.45	1.37
649-91910-21511LF	91910-21511LF	E	11	15µ" GXT™	7.00mm	1.40	1.27	1.21	1.15
649-91910-21115LF	91910-21115LF	E	15	15µ" GXT™	4.15mm	1.63	1.49	1.41	1.34
649-91910-21415LF	91910-21415LF	E	15	15µ" GXT™	6.00mm	1.61	1.47	1.39	1.32
649-91910-21515LF	91910-21515LF	E	15	15µ" GXT™	7.00mm	1.63	1.49	1.41	1.34
649-91910-21521LF	91910-21521LF	E	21	15µ" GXT™	7.00mm	2.01	1.83	1.74	1.65
649-91910-21425LF	91910-21425LF	E	25	15µ" GXT™	6.00mm	1.81	1.64	1.56	1.48
649-91910-21131LF	91910-21131LF	E	31	15µ" GXT™	4.15mm	2.37	2.16	2.05	1.94
649-91910-21531LF	91910-21531LF	E	31	15µ" GXT™	7.00mm	2.37	2.16	2.05	1.94
649-91910-21141LF	91910-21141LF	E	41	15µ" GXT™	4.15mm	2.99	2.72	2.59	2.45
649-91910-21441LF	91910-21441LF	E	41	15µ" GXT™	6.00mm	2.99	2.72	2.59	2.45
649-91910-21541LF	91910-21541LF	E	41	15µ" GXT™	7.00mm	2.99	2.72	2.59	2.45
649-91910-21151LF	91910-21151LF	E	51	15µ" GXT™	4.15mm	3.53	3.21	3.06	2.89
649-91910-21551LF	91910-21551LF	E	51	15µ" GXT™	7.00mm	3.53	3.21	3.06	2.89
649-91910-21169LF	91910-21169LF	E	69	15µ" GXT™	4.15mm	4.14	3.76	3.57	3.38
649-91910-21469LF	91910-21469LF	E	69	15µ" GXT™	6.00mm	3.96	3.60	3.42	3.24

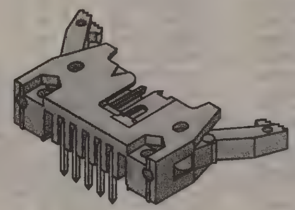
A



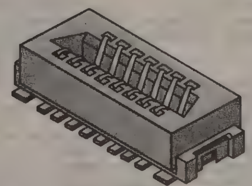
B



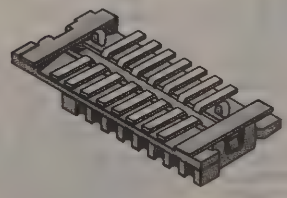
C



D



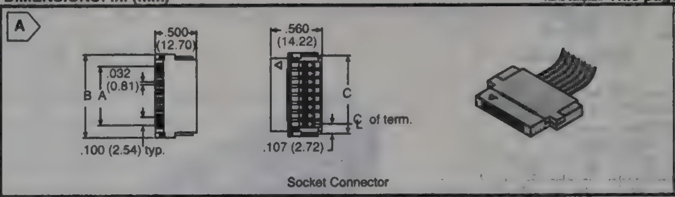
E



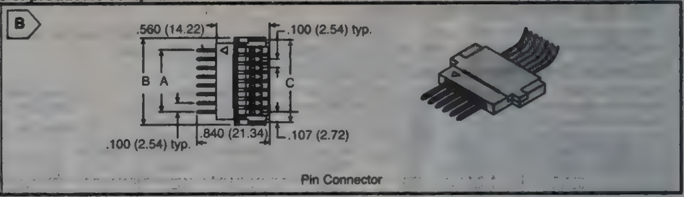
FCI Clincher™ Flat Cable Connectors

DIMENSIONS: In. (mm)

RoHS Compliant **This page of product is compliant.**



Socket Connector



Pin Connector

CLINCHER™ FLAT CABLE CONNECTORS

Single row high performance .100" (2.54mm) connector system

RoHS Compliant

Features

- Clinching portion of contact forms gastight crimp to prevent contamination
- Cable connectors are mass terminated without cable stripping
- Terminates flat flexible cable or flexible etched circuitry for wire-to-board or board to board applications
- .30" standoffs aid in PCB cleaning
- Mates with .025" (.635mm) square or round pins on .100" (2.54mm) centers
- Dual metal PV receptacle contacts provide excellent electrical and mechanical performance
- RoHS Compliant per FCI Documentation

Specifications:

- Receptacle housing: polypropylene (UL94V-0)
- Header housing: LCP (UL94V-0)
- Color: Receptacle: blue; Header: black
- Temperature range: Receptacle: -65°C to +105°C; Header: -55°C to +130°C
- Header pins: phosphor-bronze
- Insulation resistance: 5 MΩ
- Contact resistance (receptacle): 15 MΩ max
- Receptacle contact: copper alloy with BeCu Spring
- Current rating (receptacle): 2.0 amps
- Withstanding voltage: 1,000 V AC rms
- Pitch: .060"

Receptacles (Female)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Number of Positions	Contact Area Plating	Dimensions In. (mm)			Price Each			
					A	B	C	1	25	50	100
649-65801-002LF	65801-002LF	A	2	100 µin. Tin	0.100 (2.54)	0.390 (9.91)	0.315 (8.00)	1.02	.93	.88	.83
649-65801-003LF	65801-003LF	A	3	100 µin. Tin	0.200 (5.08)	0.490 (12.45)	0.415 (10.54)	.63	.57	.54	.51
649-65801-004LF	65801-004LF	A	4	100 µin. Tin	0.300 (7.62)	0.590 (14.99)	0.515 (13.08)	.64	.58	.55	.53
649-65801-005LF	65801-005LF	A	5	100 µin Tin	0.400 (10.16)	0.690 (17.53)	0.515 (15.62)	.75	.68	.65	.62
649-65801-006LF	65801-006LF	A	6	100 µin. Tin	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)	.82	.75	.71	.67
649-65801-007LF	65801-007LF	A	7	100 µin. Tin	0.600 (15.24)	0.890 (22.61)	0.815 (20.70)	.99	.90	.85	.81
649-65801-008LF	65801-008LF	A	8	100 µin. Tin	0.700 (17.78)	0.990 (25.150	0.915 (23.24)	.94	.85	.81	.77
649-65801-009LF	65801-009LF	A	9	100 µin. Tin	0.800 (20.32)	1.090 (27.69)	1.015 (25.78)	1.04	.95	.90	.85
649-65801-010LF	6580-010LF	A	10	100 µin. Tin	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)	1.19	1.17	1.11	1.06
649-65801-011LF	65801-011LF	A	11	100 µin. Tin	1.000 (25.40)	1.290 (32.77)	1.215 (30.86)	1.29	1.17	1.11	1.05
649-65801-012LF	65801-012LF	A	12	100 µin Tin	1.100 (27.94)	1.390 (35.31)	1.315 (33.40)	1.31	1.19	1.13	1.07
649-65801-013LF	65801-013LF	A	13	100 µin Tin	1.200 (30.48)	1.490 (37.85)	1.415 (35.94)	1.67	1.51	1.44	1.36
649-65801-014LF	65801-014LF	A	14	100 µin. Tin	1.300 (33.02)	1.590 (40.39)	1.515 (38.48)	1.44	1.31	1.25	1.18
649-65801-015LF	65801-015LF	A	15	100 µin. Tin	1.400 (35.56)	1.690 (42.93)	1.615 (41.02)	1.82	1.65	1.57	1.49
649-65801-016LF	65801-016LF	A	16	100 µin Tin	1.500 (38.10)	1.790 (45.47)	1.715 (43.56)	1.81	1.65	1.57	1.48
649-65801-017LF	65801-017LF	A	17	100 µin. Tin	1.600 (40.64)	1.890 (48.01)	1.815 (46.10)	2.26	2.06	1.95	1.85
649-65801-018LF	65801-018LF	A	18	100 µin. Tin	1.700 (43.18)	1.990 (50.55)	1.915 (48.64)	2.32	2.11	2.00	1.90
649-65801-020LF	65801-020LF	A	20	100 µin. Tin	1.900 (48.26)	2.190 (55.63)	2.115 (53.72)	2.27	2.06	1.96	1.86
649-65801-035LF	65801-035LF	A	6	30 µin Gold	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)	.97	.88	.84	.79
649-65801-037LF	65801037LF	A	8	30 µin. Tin	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)	1.95	1.77	1.68	1.59
649-65801-039LF	65801-039LF	A	10	30 µin Gold	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)	2.32	2.11	2.00	1.90

Pin Connectors (Male)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Number of Positions	Contact Area Plating	Dimensions In. (mm)			Price Each			
					A	B	C	1	25	50	100
649-66226-004LF	66226-004LF	B	4	100 µin Tin/Lead	0.300 (7.62)	0.590 (14.99)	0.515 (13.08)	.93	.91	.87	.83
649-66226-006LF	66226-006LF	B	6	100 µin Tin	0.500 (12.70)	0.790 (20.07)	0.715 (18.16)	1.26	1.15	1.09	1.03
649-66226-008LF	66226-008LF	B	8	100 µin Tin/Lead	0.700 (17.78)	0.990 (25.15)	0.915 (23.24)	1.26	1.23	1.18	1.12
649-66226-010LF	66226-010LF	B	10	100 µin Tin/Lead	0.900 (22.86)	1.190 (30.23)	1.115 (28.32)	1.67	1.52	1.45	1.37
649-66226-013LF	66226-013LF	B	13	100 µin Tin	1.200 (30.48)	1.490 (37.85)	1.415 (35.94)	2.01	1.97	1.88	1.79

BERGSTAK® .80MM HIGH DENSITY, BOARD-STACKING CONNECTORS

Ideal for applications such as Mobile Phones, PDA's, Pagers, Digital Cameras, Servers, and Office Equipment. Parts listed do not have vacuum pickup cap.

RoHS Compliant

Specifications:

- Housing Material: LCP
- Contact Base Material: Copper alloy
- Contact Area Plating: 8µ" (.20µm) gold
- Contact Underplating: 50µ" (1.27µm) nickel
- Temperature Range: -40°C to + 85°C
- Insulation Resistance: 500MΩ min. (initial), 100MΩ min. (after test)
- Contact Resistance: 30MΩ max. (initial), 50MΩ max. (after test)
- Current Rating: 0.5A
- Voltage Rating: 100VAC

Features:

- Parallel board-to-board interconnects
- Surface mount
- Blade-on-beam contacts allow "peeling" and prevent "stubbing"
- Polarization peg
- RoHS compliant per FCI documentation

Receptacles

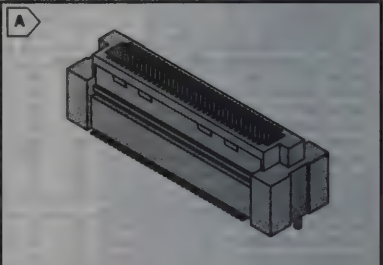
For quantities of 200 and up, call for quote.

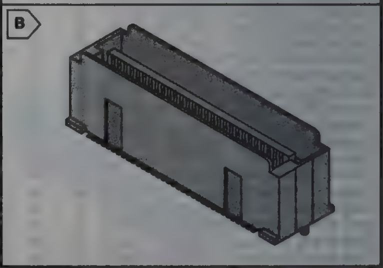
MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Combination of Mated Height	Price Each			
					1	25	50	100
649-61082-041400LF	61082-041400LF	A	40	3.70 mm	2.65	2.41	2.29	2.17
649-61082-043400LF	61082-043400LF	A	40	11.70 mm	2.77	2.52	2.39	2.27
649-61082-061400LF	61082-061400LF	A	60	3.70 mm	3.20	2.91	2.76	2.62
649-61082-062400LF	61082-062400LF	A	60	7.70 mm	3.29	2.99	2.84	2.69
649-61082-063400LF	61082-063400LF	A	60	11.70 mm	3.36	3.06	2.90	2.75
649-61082-082400LF	61082-082400LF	A	80	7.70 mm	3.84	3.49	3.32	3.15
649-61082-141400LF	61082-141400LF	A	140	3.70 mm	5.48	4.98	4.73	4.48
649-61082-143400LF	61082-143400LF	A	140	11.70 mm	6.07	5.52	5.24	4.96

Plugs

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Combination of Mated Height	Price Each			
					1	25	50	100
649-61083-042400LF	61083-042400LF	B	40	5.70 mm	2.48	2.26	2.15	2.03
649-61083-043400LF	61083-043400LF	B	40	6.70 mm	2.53	2.30	2.18	2.07
649-61083-044400LF	61083-044400LF	B	40	7.70 mm	2.69	2.45	2.32	2.20
649-61083-062400LF	61083-062400LF	B	60	5.70 mm	2.99	2.72	2.59	2.45
649-61083-063400LF	61083-063400LF	B	60	6.70 mm	3.05	2.77	2.63	2.49
649-61083-064400LF	61083-064400LF	B	60	7.70 mm	3.26	2.96	2.82	2.67
649-61083-082400LF	61083-082400LF	B	80	5.70 mm	3.50	3.18	3.02	2.86
649-61083-083400LF	61083-083400LF	B	80	6.70 mm	3.57	3.25	3.09	2.92
649-61083-084400LF	61083-084400LF	B	80	7.70 mm	3.86	3.50	3.33	3.15
649-61083-142400LF	61083-142400LF	B	140	5.70 mm	5.09	4.63	4.39	4.16
649-61083-143400LF	61083-143400LF	B	140	6.70 mm	5.22	4.74	4.51	4.27
649-61083-144400LF	61083-144400LF	B	140	7.70 mm	5.61	5.10	4.85	4.59





VERTICAL PCB MOUNTED RECEPTACLE ASSEMBLIES LOW PROFILE, THRU-MOUNT

RoHS Compliant

Features:

- Top entry PC board mount receptacles can be stacked side-by-side on .100" centerlines
- Preloaded dual cantilever beam phosphor bronze contacts plated with 30µ" gold in contact area
- 100µ" tin-lead in solder area and 50µ" nickel underplated overall
- Solder tail length: .115"
- Molded housings: Rated UL 94V-O, feature beveled "lead-in" ramps to prevent pin-stubbing
- Mate with .025" square pins
- RoHS Compliant per FCI documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Positions	Price Each			
				1	25	50	100
Top-Entry, Single-Row							
649-68685-306LF	68685-306LF	A	1x6	1.69	1.54	1.46	1.38
649-68685-308LF	68685-308LF	A	1x8	1.98	1.80	1.71	1.62
649-68685-310LF	68685-310LF	A	1x10	2.56	2.33	2.21	2.09
649-68685-314LF	68685-314LF	A	1x14	2.90	2.64	2.51	2.38
649-68685-316LF	68685-316LF	A	1x16	3.21	2.92	2.77	2.63
649-68685-317LF	68685-317LF	A	1x17	3.34	3.04	2.89	2.73
649-68685-320LF	68685-320LF	A	1x20	3.56	3.24	3.08	2.91
Top-Entry, Double-Row							
649-68683-302LF	68683-302LF	B	2x2	.59	.53	.51	.48
649-68683-303LF	68683-303LF	B	2x3	1.23	1.11	1.06	1.00
649-68683-304LF	68683-304LF	B	2x4	1.43	1.30	1.24	1.17
649-68683-305LF	68683-305LF	B	2x5	1.21	1.10	1.00	.93
649-68683-307LF	68683-307LF	B	2x7	2.10	1.92	1.74	1.62
649-68683-308LF	68683-308LF	B	2x8	2.38	2.18	1.97	1.84
649-68683-310LF	68683-310LF	B	2x10	1.98	1.80	1.71	1.62
649-68683-311LF	68683-311LF	B	2x11	2.50	2.28	2.16	2.05
649-68683-312LF	68683-312LF	B	2x12	4.53	4.14	3.76	3.50
649-68683-313LF	68683-313LF	B	2x13	2.60	2.36	2.25	2.13
649-68683-315LF	68683-315LF	B	2x15	4.20	3.84	3.48	3.24
649-68683-318LF	68683-318LF	B	2x18	3.68	3.35	3.18	3.01
649-68683-320LF	68683-320LF	B	2x20	4.11	3.73	3.55	3.36
649-68683-322LF	68683-322LF	B	2x22	5.82	5.32	4.82	4.49
649-68683-325LF	68683-325LF	B	2x25	4.98	4.53	4.30	4.08
649-68683-326LF	68683-326LF	B	2x26	7.83	5.82	5.29	5.04
649-68683-327LF	68683-327LF	B	2x27	5.39	4.90	4.66	4.41
649-68683-332LF	68683-332LF	B	2x32	8.04	7.31	6.94	6.58
649-68683-334LF	68683-334LF	B	2x34	6.08	5.52	5.25	4.97
649-68683-340LF	68683-340LF	B	2x40	9.43	8.00	7.27	6.91

VERTICAL SMT LOP PROFILE RECEPTACLES

RoHS Compliant

Features:

- The Dubox™ contact has a pre-stressed, dual beam design to enable low insertion force
- Floating solder tails self-center on circuit pads and assure coplanarity
- 4-wall contact design for signal protection
- RoHS Compliant per FCI documentation

For quantities of 200 and up, call for quote.

649-89898-302ALF	89898-302ALF	C	2x2	.89	.81	.77	.73
649-89898-304ALF	89898-304ALF	C	2x4	1.09	1.00	.95	.90
649-89898-306ALF	89898-306ALF	C	2x6	1.49	1.35	1.28	1.22
649-89898-308ALF	89898-308ALF	C	2x8	1.91	1.73	1.65	1.56
649-89898-310ALF	89898-310ALF	C	2x10	2.67	2.43	2.31	2.19

SHROUDED HEADERS

For quantities of 200 and up, call for quote.

Straight - Single Row							
649-76384-302LF	76384-302LF	D	2	.28	.26	.24	.23
649-76384-303LF	76384-303LF	D	3	.35	.32	.31	.29
649-76384-304LF	76384-304LF	D	4	.42	.38	.36	.34
649-76384-305LF	76384-305LF	D	5	.45	.41	.39	.37
649-76384-306LF	76384-306LF	D	6	.58	.53	.50	.48
649-76384-308LF	76384-308LF	D	8	.76	.69	.65	.62
649-76384-310LF	76384-310LF	D	10	.87	.80	.76	.72
Straight - Double Row							
649-76385-302LF	76385-302LF	E	2x2	.52	.47	.45	.43
649-76385-303LF	76385-303LF	E	2x3	.71	.65	.62	.58
649-76385-304LF	76385-304LF	E	2x4	.85	.78	.74	.70
649-76385-305LF	76385-305LF	E	2x5	1.00	.91	.86	.82
649-76385-306LF	76385-306LF	E	2x6	1.17	1.06	1.01	.95
649-76385-308LF	76385-308LF	E	2x8	1.17	1.07	1.01	.96
649-76385-310LF	76385-310LF	E	2x10	1.77	1.61	1.53	1.45

HOUSINGS

For quantities of 200 and up, call for quote.

Single Row							
649-65240-002LF	65240-002LF	F	2	.14	.13	.12	.11
649-65240-003LF	65240-003LF	F	3	.16	.15	.14	.13
649-65240-004LF	65240-004LF	F	4	.18	.17	.16	.15
649-65240-005LF	65240-005LF	F	5	.23	.20	.19	.18
649-65240-006LF	65240-006LF	F	6	.25	.23	.22	.20
649-65240-008LF	65240-008LF	F	8	.31	.28	.27	.26
649-65240-010LF	65240-010LF	F	10	.39	.36	.34	.32
Double Row							
649-65239-002LF	65239-002LF	G	2x2	.19	.18	.17	.16
649-65239-003LF	65239-003LF	G	2x3	.26	.24	.22	.21
649-65239-004LF	65239-004LF	G	2x4	.32	.29	.27	.26
649-65239-005LF	65239-005LF	G	2x5	.41	.38	.36	.34
649-65239-006LF	65239-006LF	G	2x6	.47	.43	.41	.38
649-65239-008LF	65239-008LF	G	2x8	.63	.57	.54	.52
649-65239-010LF	65239-010LF	G	2x10	.83	.75	.72	.68

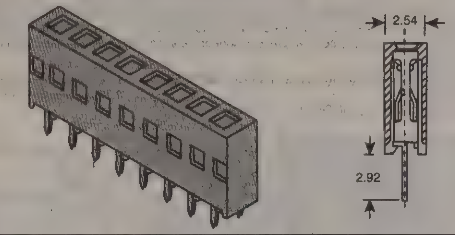
CONTACTS

For quantities of 2000 and up, call for quote.

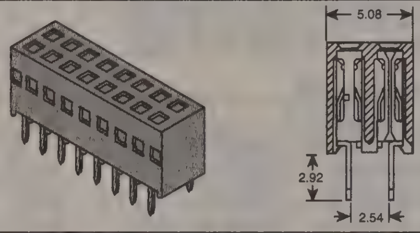
MOUSER STOCK NO.	FCI Part No.	Fig.	Wire AWG	Price Each			
				1	100	500	1000
649-76347-301LF	76347-301LF	-	22-30	.11	.10	.09	.08

DIMENSIONS: mm

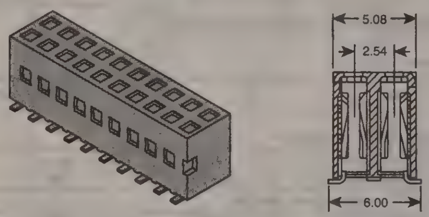
A



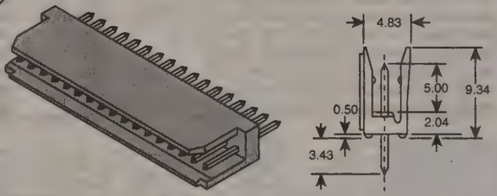
B



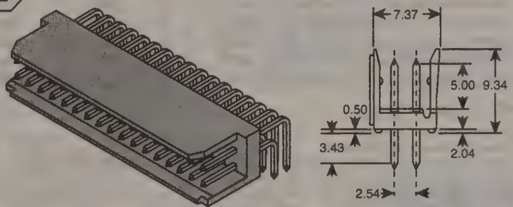
C



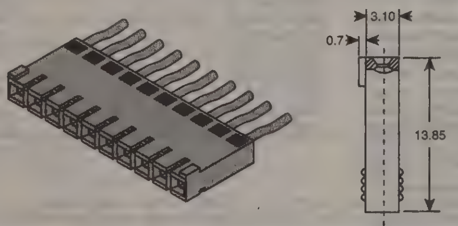
D



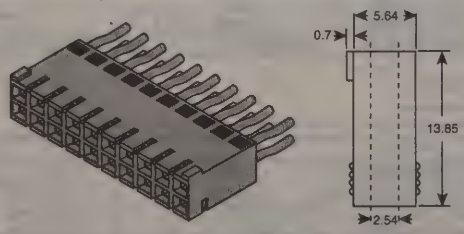
E



F



G



FCI 2.00mm (.079") Shrouded and Unshrouded Connectors

RoHS Compliant **This page of product is compliant.**

MINITEK™ PIN-IN-PASTE CONNECTORS

Pin-in-Paste (PiP) processing technology enables through-mount components to be soldered using conventional reflow soldering processes and can eliminate the need for a separate wave soldering operation in the process flow. It is ideal for industrial applications such as process control units, payment terminals, and control boards.

RoHS Compliant

Specifications:
- Housing Material: High Temperature Black Thermoplastic
- Color: Black
- Flammability Rating: UL 94 V-0
- Temperature Range: -55°C to +125°C
- RoHS compliant per FCI documentation

NEW FROM SUPPLIER

Unshrouded Headers

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Plating	Price Each			
					1	25	50	100
649-10075024-05ULF	10075024-G01-05ULF	A	2x5	30μ" Gold,	.72	.65	.62	.59
649-10075024-06ULF	10075024-G01-06ULF	A	2x6	30μ" Gold	.85	.77	.73	.69
649-10075024-10ULF	10075024-G01-10ULF	A	2x10	30μ" Gold	1.74	1.58	1.51	1.43
649-10075024-15ULF	10075024-G01-15ULF	A	2X15	30μ" Gold	2.61	2.38	2.26	2.14
649-10075024-17ULF	10075024-G01-17ULF	A	2x17	30μ" Gold	2.84	2.58	2.45	2.32

Shrouded Headers

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Plating	Price Each			
					1	25	50	100
649-10075025-10ULF	10075025-G01-10ULF	B	2x5	30μ" Gold selective	.77	.70	.67	.63
649-10075025-12ULF	10075025-G01-12ULF	B	2x6	30μ" Gold selective	.91	.82	.78	.74
649-10075025-20ULF	10075025-G01-20ULF	B	2x10	30μ" Gold selective	1.87	1.70	1.61	1.53
649-10075025-30ULF	10075025-G01-30ULF	B	2x15	30μ" Gold selective	2.80	2.54	2.42	2.29
649-10075025-34ULF	10075025-G01-34ULF	B	2x17	30μ" Gold selective	3.04	2.76	2.62	2.49

MINITEK™ II CONNECTORS

RoHS Compliant

Specifications:
- Housing Material: High Temperature Black Thermoplastic
- Color: Black
- Flammability Rating: UL 94 V-0
- Temperature Range: -55°C to +125°C
- RoHS compliant per FCI documentation

Unshrouded Headers

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Plating	Price Each			
					1	25	50	100
Vertical Through Mount Headers								
649-57102-F08-25LF	57102-F08-25LF	A	2x25	8μ" gold	1.21	1.10	1.05	.99
Vertical SMT Headers								
649-57202-G52-02ALF	57202-G52-02ALF	C	2X2	30μ" Gold	.63	.57	.54	.52
649-57202-G52-03ALF	57202-G52-03ALF	C	2X3	30μ" Gold	.39	.36	.34	.32
649-57202-G52-04ALF	57202-G52-04ALF	C	2X4	30μ" Gold	.97	.88	.84	.79
649-57202-G52-05ALF	57202-G52-05ALF	C	2X5	30μ" Gold	.53	.49	.46	.44
649-57202-G52-06ALF	57202-G52-06ALF	C	2X6	30μ" Gold	.62	.56	.53	.50
649-57202-G52-08ALF	57202-G52-08ALF	C	2X8	30μ" Gold	.78	.71	.67	.64
649-57202-G52-10ALF	57202-G52-10ALF	C	2X10	30μ" Gold	1.51	1.37	1.30	1.23

Shrouded Headers

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Plating	Price Each			
					1	25	50	100
649-98424-G52-04ALF	98424-G52-04ALF	B	2X2	30μ" Gold	.70	.64	.61	.57
649-98424-G52-06ALF	98424-G52-06ALF	B	2X3	30μ" Gold	.41	.37	.35	.33
649-98424-G52-08ALF	98424-G52-08ALF	B	2X4	30μ" Gold	.53	.48	.46	.43
649-98424-G52-10ALF	98424-G52-10ALF	B	2X5	30μ" Gold	.61	.55	.52	.50
649-98424-G52-12ALF	98424-G52-12ALF	B	2X6	30μ" Gold	.67	.61	.58	.55
649-98424-G52-16ALF	98424-G52-16ALF	B	2X8	30μ" Gold	.90	.82	.78	.73
649-98424-G52-20ALF	98424-G52-20ALF	B	2X10	30μ" Gold	1.09	.99	.94	.89

Housings

RoHS Compliant

Specifications:
- Housing Material: Thermoplastic
- Temperature Range: -40°C to +105°C
- Color: Black
- RoHS compliant per FCI documentation

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Price Each			
				1	25	50	100
649-90311-004LF	90311-004LF	D	2x2	.49	.45	.43	.40
649-90311-006LF	90311-006LF	D	2x3	.42	.38	.36	.34
649-90311-008LF	90311-008LF	D	2x4	.47	.43	.41	.39
649-90311-010LF	90311-010LF	D	2x5	.51	.46	.44	.42
649-90311-012LF	90311-012LF	D	2x6	.31	.28	.27	.25
649-90311-014LF	90311-014LF	D	2x7	.37	.34	.31	.30
649-90311-016LF	90311-016LF	D	2x8	.42	.39	.37	.35
649-90311-020LF	90311-020LF	D	2x10	.53	.48	.46	.43

Shunt

RoHS Compliant

Specifications:
- Housing Material: Glass-filled PBT
- Temperature Range: -40°C to +105°C
- Current Rating: 1 Amp continuous
- RoHS compliant per FCI documentation

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Description	Price Each			
				1	100	500	1000
649-86730-001LF	86730-001LF	E	2mm (.079") pitch shunt	.21	.20	.19	.18

Contacts

RoHS Compliant

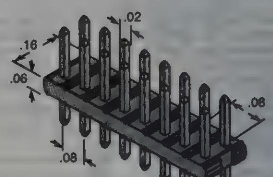
Specifications:
- Temperature Range: -40°C to +105°C
- Current Rating: 2 Amp continuous
- Current Rating: 1 Amp continuous
- RoHS compliant per FCI documentation

For quantities of 2000 and up, call for quote.

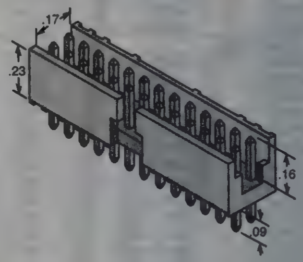
MOUSER STOCK NO.	FCI Part No.	Fig.	Plating	Price Each			
				1	100	500	1000
649-77138-101LF	77138-101LF	F	30μ" Gold	.14	.13	.12	.11
649-77138-001LF	77138-001LF	F	8μ" Gold	.13	.12	.11	.10

DIMENSIONS: In.

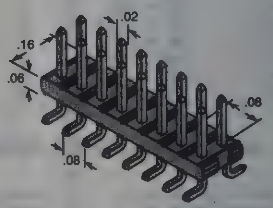
A



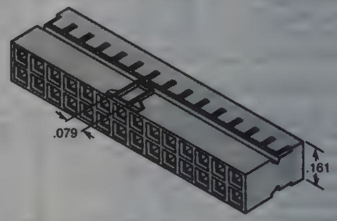
B



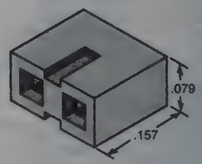
C



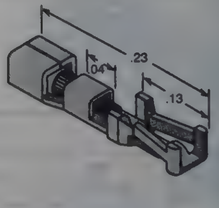
D



E



F



.100" VERTICAL PCB MOUNTED RECEPTACLE ASSEMBLIES, THRU-MOUNT

Features:

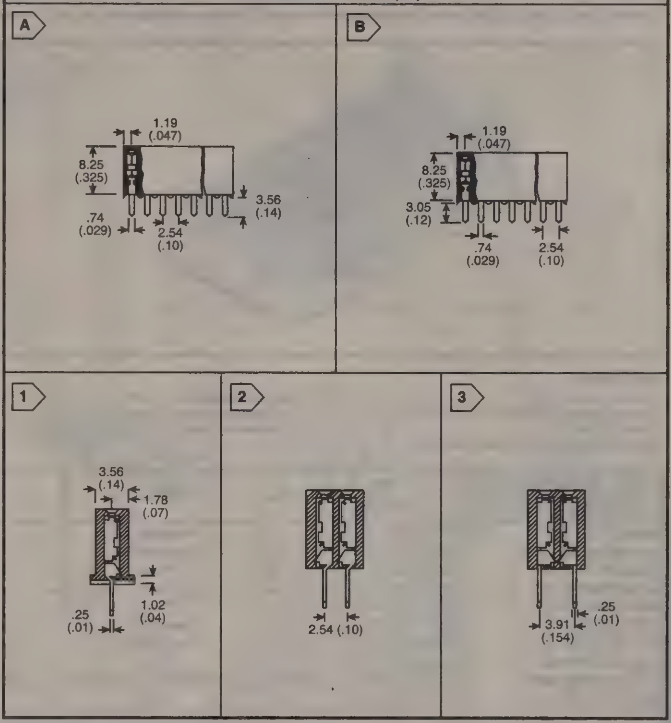
- Designed for parallel board-to-board stacking on .100" x .100" centerlines
- Dual metal PV brass contacts duplex plated with 30μ" gold in contact area, 100μ" tin-lead in solder area, and 50μ" nickel underplated overall
- Beryllium copper thermoplastic polyester housings, rated UL 94V-0
- Spring member plated with gold flash
- Mate with .025" square or round pins
- Tail Material: Tin-Lead
- RoHS Compliant per FCI documentation

RoHS Compliant

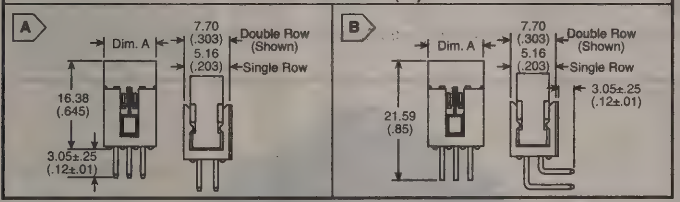
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions: mm (in.)	Price Each			
					1	25	50	100
Single Row .140" (3.56) Long Solder Tail								
649-66951-006LF	66951-006LF	A1	1x6	15.24 (0.60)	**1.46**	**1.36**	**1.26**	**1.19**
649-66951-008LF	66951-008LF	A1	1x8	20.32 (0.80)	**1.56**	**1.42**	**1.35**	**1.27**
649-66951-012LF	66951-012LF	A1	1x12	30.48 (1.20)	**2.73**	**2.48**	**2.36**	**2.23**
649-66951-014LF	66951-014LF	A1	1x14	35.56 (1.40)	**2.36**	**2.14**	**2.04**	**1.93**
649-66951-016LF	66951-016LF	A1	1x16	40.64 (1.60)	**2.97**	**2.70**	**2.56**	**2.43**
649-66951-017LF	66951-017LF	A1	1x17	43.18 (1.70)	**3.83**	**3.49**	**3.31**	**3.14**
649-66951-020LF	66951-020LF	A1	1x20	50.80 (2.00)	**3.73**	**3.39**	**3.22**	**3.05**
Double Row .140" (3.56) Long Solder Tail								
649-66953-006LF	66953-006LF	A2	2x6	15.24 (0.60)	**2.80**	**2.54**	**2.41**	**2.29**
649-66953-007LF	66953-007LF	A2	2x7	17.78 (0.70)	**2.48**	**2.25**	**2.14**	**2.03**
649-66953-008LF	66953-008LF	A2	2x8	20.32 (0.80)	**1.78**	**1.62**	**1.54**	**1.46**
649-66953-010LF	66953-010LF	A2	2x10	25.40 (1.00)	**2.66**	**2.42**	**2.30**	**2.18**
649-66953-015LF	66953-015LF	A2	2x15	38.10 (1.50)	**3.69**	**3.35**	**3.19**	**3.02**
649-66953-017LF	66953-017LF	A2	2x17	43.18 (1.70)	**4.84**	**4.40**	**4.18**	**3.96**
649-66953-020LF	66953-020LF	A2	2x20	50.80 (2.00)	**5.63**	**5.12**	**4.86**	**4.61**
649-66953-025LF	66953-025LF	A2	2x25	63.50 (2.50)	**5.50**	**5.00**	**4.75**	**4.50**
649-66953-030LF	66953-030LF	A2	2x30	76.20 (3.00)	**4.97**	**4.52**	**4.30**	**4.07**
Double Row .120" (3.05) Long Solder Tail								
649-66956-010LF	66956-010LF	B3	2x10	25.40 (1.00)	**3.63**	**3.30**	**3.13**	**2.97**
649-66956-020LF	66956-020LF	B3	2x20	50.80 (2.00)	**7.12**	**6.47**	**6.15**	**5.82**

DIMENSIONS: mm (in.)



DIMENSIONS: mm (in.)



VERTICAL LATCHING SYSTEM II (2.54MM X 2.54MM / .100" X .100") CENTERLINES

Features:

- Uses Mini-PV™ receptacles and drawn-wire pins for high reliability
- Passive latching
- Single and double row configurations occupy minimal real estate

Specifications:

- Material: PCT (UL 94 V-0)
- Color: Black
- Plating: 0.76μm (30μ") gold over 1.27μm (50μ") nickel
- RoHS Compliant per FCI documentation

RoHS Compliant

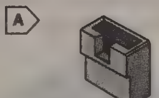
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions: mm (in.)	Price Each			
					1	25	50	100
Straight Header: Single Row								
649-69167-104HLF	69167-104HLF	A	1x4	10.16 (0.40)	**.45**	**.41**	**.39**	**.37**
649-69167-105HLF	69167-105HLF	A	1x5	12.70 (0.50)	**.56**	**.51**	**.48**	**.46**
649-69167-106HLF	69167-106HLF	A	1x6	15.24 (0.60)	**.62**	**.56**	**.53**	**.51**
649-69167-107HLF	69167-107HLF	A	1x7	17.78 (0.70)	**.75**	**.68**	**.65**	**.61**
649-69167-108HLF	69167-108HLF	A	1x8	20.32 (0.80)	**.80**	**.73**	**.69**	**.65**
Straight Header: Double Row								
649-69168-110HLF	69168-110HLF	A	2x5	12.70 (0.50)	**1.07**	**.98**	**.93**	**.88**
649-69168-110HLF	69168-110HLF	A	2x5	12.70 (0.50)	**1.07**	**.98**	**.93**	**.88**
649-69168-112HLF	69168-112HLF	A	2x6	15.24 (0.60)	**.94**	**.86**	**.81**	**.77**
Right Angle: Single Row								
649-78208-103HLF	78208-103HLF	B	1x3	7.62 (0.30)	**.34**	**.31**	**.29**	**.28**
649-78208-104HLF	78208-104HLF	B	1x4	10.16 (0.40)	**.34**	**.31**	**.29**	**.28**
649-78208-105HLF	78208-105HLF	B	1x5	12.70 (0.50)	**.59**	**.53**	**.51**	**.48**
649-78208-106HLF	78208-106HLF	B	1x6	15.24 (0.60)	**.67**	**.61**	**.58**	**.55**
Right Angle: Double Row								
649-78208-106HLF	78207-106HLF	B	2x3	7.62 (0.30)	**.67**	**.61**	**.58**	**.55**
649-78207-108HLF	78207-108HLF	B	2x4	10.16 (0.40)	**.90**	**.82**	**.77**	**.73**
649-78207-110HLF	78207-110HLF	B	2x5	12.70 (0.50)	**.64**	**.59**	**.56**	**.53**
649-78207-112HLF	78207-112HLF	B	2x6	15.24 (0.60)	**.99**	**.90**	**.85**	**.81**
649-78207-116HLF	78207-116HLF	B	2x8	20.32 (0.80)	**1.32**	**1.20**	**1.14**	**1.08**
649-78207-130HLF	78207-130HLF	B	2x15	38.10 (1.50)	**2.35**	**2.14**	**2.03**	**1.93**

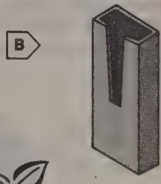
LOW-PROFILE SHUNT JUMPER SYSTEM

Economical, stackable jumper systems are applicable for bussing, programming, and switch replacement. Standard two-position for .100" centers. Low-profile shunt stands .200" above PC board. Dual-beam, phosphor-bronze contacts, and black glass-filled thermoplastic polyester housing, rated UL94V-0. Shunts mate with .025" square and round pins.

A



B



RoHS Compliant

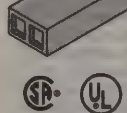
- RoHS Compliant per FCI documentation

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Plating	Price Each			
				1	100	500	1000
Low Profile							
649-68786-202LF	68786-202LF	A	30μ" gold	**.13**	**.12**	**.11**	**.10**
649-68786-302LF	68786-302LF	A	100μ" pure tin	**.13**	**.12**	**.11**	**.10**
High Body							
649-71363-102LF	71363-102LF	B	15μ" gold	**.14**	**.13**	**.12**	**.11**
649-71363-302LF	71363-302LF	B	100μ" pure tin	**.14**	**.13**	**.12**	**.11**

SYSTEM MINI JUMP SHUNTS

- 1 Row: 2 Positions
- Reliable cost-effective alternatives to switches for on-board programming
- PV contacts have beryllium-copper springs to provide high retention and normal forces for excellent electrical performance after repeated cycle
- Stackable on 2.54mm (0.100") centers
- Closed top protects fingertips during application, but can be opened for inspection and testing
- Mates with .025" square or round pins



Specifications:

- Housing: Thermoplastic polyester UL94V-0, Blue
- Contact: Body Material: Brass; Spring Material: Beryllium-copper
- Current rating: 3 A max per contact
- Temperature rating: -55°C to +120°C
- RoHS Compliant per FCI documentation

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Plating	Price Each			
			1	100	500	1000
649-65474-001LF	65474-001LF	15μ" gold	**.29**	**.27**	**.26**	**.24**
649-65474-002LF	65474-002LF	100μ" pure tin	**.15**	**.14**	**.13**	**.12**
649-65474-010LF	65474-010LF	30μ" gold	**.20**	**.19**	**.18**	**.17**

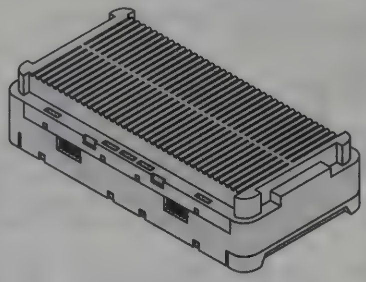
FCI GIG-Array® and MEG-Array® Connectors

RoHS Compliant This page of product is compliant.

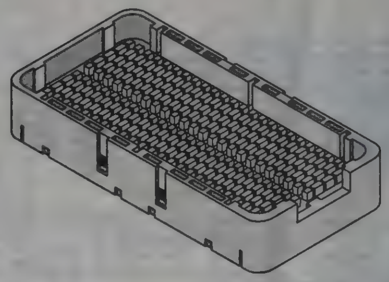
GIG-ARRAY® HIGH-SPEED, HIGH DENSITY BOARD STACKING CONNECTORS

Connector sizes are 200 and 296 positions at stack heights from 15mm to 40mm at data rates up to 10Gb/s. Connectors utilize Ball Grid Array (BGA) technology for compatibility with SMT reflow soldering process.

A



B



Specifications:

- Housing Material: LCP
- Contact Material: High Strength Copper Alloy
- Mating Cycles: 25
- Current Rating: 1A per contact at 30°C DT
- Insulation Resistance: 100MV
- Withstanding Voltage: 500VAC
- Temperature Range: -40°C to 85°C
- RoHS Compliant per FCI documentation

RoHS Compliant

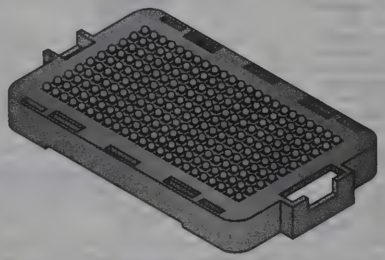
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	Gender	No. of Positions	Spacing	Contact Plating	Price Each		
							1	5	10
649-55740-001LF	55740-001LF	A	Receptacle	200	5mm	Gold	34.77	33.22	32.50
649-55741-001LF	55741-001LF	A	Receptacle	200	15mm	Gold	36.28	34.67	33.91
649-55737-001LF	55737-001LF	B	Plug	200	10mm	Gold	35.84	34.25	33.51
649-10060910-001LF	10060910-001LF	B	Plug	200	13mm	Gold	36.72	35.08	34.32
649-55739-001LF	55739-001LF	B	Plug	200	20mm	Gold	47.62	45.50	44.51
649-55701-001LF	55701-001LF	A	Receptacle	296	5mm	Gold	46.45	44.39	43.42
649-55733-001LF	55733-001LF	A	Receptacle	296	15mm	Gold	47.97	45.83	44.84
649-55720-001LF	55720-001LF	B	Plug	296	10mm	Gold	47.41	45.31	44.32
649-10060911-001LF	10060911-001LF	B	Plug	296	13mm	Gold	48.37	46.22	45.22
649-55727-001LF	55727-001LF	B	Plug	296	20mm	Gold	63.95	61.11	59.78

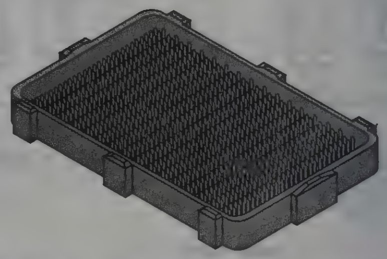
MEG-ARRAY® HIGH-SPEED BOARD STACKING CONNECTORS

Connectors sizes span 100 to 400 contact positions at stack heights from 4mm to 14mm at data rates up to 10 Gb/s. Add plug and receptacle contributions shown in table to determine the resulting mated height. Connectors utilize Ball Grid Array (BGA) technology for compatibility with SMT reflow soldering process.

A



B



Specifications:

- Housing Material: LCP
- Contact Material: Copper Alloy
- Durability (Mating Cycles): 50
- Current Rating: 0.45A per contact at 30°C rise
- RoHS Compliant per FCI documentation

RoHS Compliant

For quantities of 25 and up, call for quote.

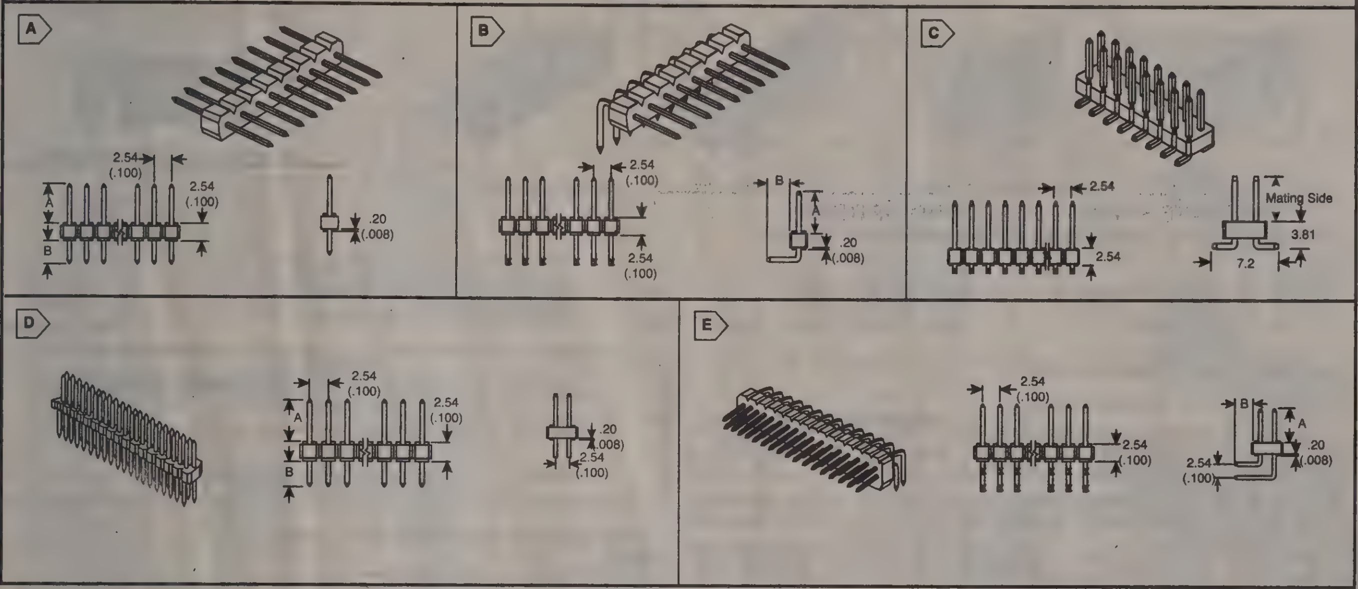
MOUSER STOCK NO.	FCI Part No.	Fig.	Gender	No. of Positions	Connector Contribution to Stack Height	Contact Plating	Price Each		
							1	5	10
649-84512-102LF	84512-102LF	A	Plug	100	0mm	30AU	13.74	13.13	12.85
649-84513-101LF	84513-101LF	B	Receptacle	100	4mm	30AU	15.44	14.75	14.43
649-84516-102LF	84516-102LF	A	Plug	200	0mm	30AU	12.41	11.86	11.61
649-84517-101LF	84517-101LF	B	Receptacle	200	4mm	30AU	14.08	13.45	13.16
649-74213-002LF	74213-002LF	A	Plug	240	0mm	15AU	8.66	7.87	7.48
649-84500-002LF	84500-002LF	A	Plug	300	0mm	15AU	7.31	6.99	6.83
649-84500-102LF	84500-102LF	A	Plug	300	0mm	30AU	12.09	11.56	11.30
~~649-84500-202LF~~	84500-202LF	A	Plug	300	0mm	*	23.07	22.05	21.57
649-84501-001LF	84501-001LF	B	Receptacle	300	4mm	15AU	15.50	14.81	14.49
649-84501-101LF	84501-101	B	Receptacle	300	4mm	30AU	18.44	16.76	15.92
649-84501-201LF	84501-201LF	B	Receptacle	300	4mm	*	23.48	22.43	21.95
649-84502-001LF	84502-001LF	B	Receptacle	300	5.5mm	15AU	19.24	18.39	17.99
649-84502-101LF	84502-101	B	Receptacle	300	5.5mm	30AU	22.52	21.52	21.05
649-84502-101LF	84502-101LF	B	Receptacle	300	5.5mm	30AU	26.46	25.29	24.74
649-84553-101LF	84553-101	B	Receptacle	300	8.0mm	30AU	22.79	21.77	21.30
649-84740-002LF	84740-002	A	Plug	400	0mm	15AU	11.86	10.78	10.24
649-84740-102LF	84740-102	A	Plug	400	0mm	30AU	19.87	18.98	18.57
649-84520-102LF	84520-102	A	Plug	400	6mm	30AU	20.67	19.76	19.33
649-84740-102LF	84740-102LF	A	Plug	400	0mm	30AU	20.82	19.90	19.46
649-74221-001LF	74221-001LF	B	Receptacle	400	4mm	15AU	17.17	16.40	16.05

* Au over Ni with special contact geometry to meet requirements of Teleordia GR-1217.

FCI BergStik™ Unshrouded Breakaway Headers

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm (In.)



Features:

- "Breakaway" design can be cut or broken to length to suit application
- Centerline pin spacing: .100"
- Insulation resistance: 5000MΩ min.
- Withstanding voltage: 1500VAC rms (sea level)
- Current rating: 3 amp continuous
- Temperature range: -65°C to +130°C

† Plating (Finish):
1 = 30μ" Gold over nickel
2 = 15μ" Gold over nickel
4 = 100μ" Tin over nickel

.100" SINGLE ROW HEADERS

RoHS Compliant

- RoHS Compliant per FCI documentation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions		Plating †	Price Each		
				Mating End A	Tail End B		1	100	500
Straight Solder Tail									
649-68000-136HLF	68000-136HLF	A	36	0.23	0.095	1	**1.01**	**.92**	**.87**
649-68000-236HLF	68000-236HLF	A	36	0.23	0.095	2	**1.02**	**.92**	**.88**
649-68000-436HLF	68000-436HLF	A	36	0.23	0.095	4	**.48**	**.44**	**.41**
649-68001-136HLF	68001-136HLF	A	36	0.23	0.12	1	**.98**	**.89**	**.84**
649-68001-236HLF	68001-236HLF	A	36	0.23	0.12	2	**.83**	**.76**	**.72**
649-68001-436HLF	68001-436HLF	A	36	0.23	0.12	4	**.74**	**.67**	**.64**
649-68001-402HLF	68001-402HLF	A	2	0.23	0.12	4	**.66**	**.60**	**.57**
649-68001-403HLF	68001-403HLF	A	3	0.23	0.12	4	**.57**	**.52**	**.51**
649-68002-236HLF	68002-236HLF	A	36	0.23	0.15	2	**.72**	**.65**	**.61**
649-68003-136HLF	68003-136HLF	A	36	0.23	0.195	1	**1.74**	**1.58**	**1.50**
649-78511-236HLF	78511-236HLF	A	36	0.318	0.12	2	**1.37**	**1.25**	**1.19**
649-78511-436HLF	78511-436HLF	A	36	0.318	0.12	4	**.84**	**.76**	**.72**
649-69152-436HLF	69152-436HLF	A	36	0.23	0.12	4	**1.11**	**1.01**	**.96**
Straight Retentive Solder Trail									
649-69190-202HLF	69190-202HLF	A	2	0.23	0.12	2	**.14**	**.13**	**.12**
649-69190-204HLF	69190-204HLF	A	4	0.23	0.12	2	**.18**	**.17**	**.16**
649-69190-210HLF	69190-210HLF	A	10	0.23	0.12	2	**.31**	**.28**	**.27**
649-69190-236HLF	69190-236HLF	A	36	0.23	0.12	2	**.99**	**.90**	**.85**
649-69190-402HLF	69190-402HLF	A	2	0.23	0.12	4	**.14**	**.13**	**.12**
649-69190-403HLF	69190-403HLF	A	3	0.23	0.12	4	**.14**	**.13**	**.12**
649-69190-405HLF	69190-405HLF	A	5	0.23	0.12	4	**.16**	**.15**	**.14**
Right Angle Solder Tail									
649-68015-136HLF	68015-136HLF	B	36	0.23	0.09	1	**1.29**	**1.17**	**1.11**
649-68015-236HLF	68015-236HLF	B	36	0.23	0.09	2	**1.09**	**.99**	**.94**
649-68015-436HLF	68015-436HLF	B	36	0.23	0.09	4	**1.21**	**1.10**	**1.05**
649-68016-136HLF	68016-136HLF	B	36	0.23	0.12	1	**1.41**	**1.28**	**1.22**
649-68016-236HLF	68016-236HLF	B	36	0.23	0.12	2	**1.14**	**1.04**	**.99**
649-68016-436HLF	68016-436HLF	B	36	0.23	0.12	4	**.76**	**.69**	**.66**
Right Angle Retentive Solder Tail									
649-69191-402HLF	69191-402HLF	B	2	0.23	0.12	4	**.61**	**.55**	**.52**
649-69191-403HLF	69191-403HLF	B	3	0.23	0.12	4	**.26**	**.24**	**.23**
649-69191-405HLF	69191-405HLF	B	5	0.23	0.12	4	**.46**	**.41**	**.39**
649-69191-410HLF	69191-410HLF	B	10	0.23	0.12	4	**.54**	**.49**	**.47**
649-69191-202HLF	69191-202HLF	B	2	0.23	0.12	2	**.62**	**.56**	**.54**
649-69191-205HLF	69191-205HLF	B	5	0.23	0.12	2	**.27**	**.25**	**.23**

.100" DOUBLE ROW HEADERS

RoHS Compliant

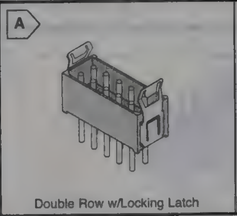
- RoHS Compliant per FCI documentation

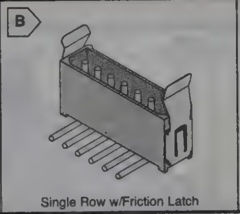
For quantities of 1000 and up, call for quote.

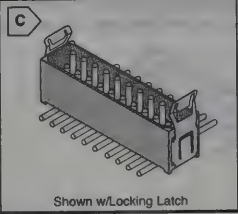
MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Pos.	Dimensions		Plating †	Price Each		
				Mating End A	Tail End B		1	100	500
Vertical SMT									
649-95278-101A20LF	95278-101A20LF	C	2	0.23	-	1	**1.07**	**.97**	**.92**
649-95278-101A04LF	95278-101A04LF	C	4	0.23	-	1	**.59**	**.54**	**.51**
649-95278-101A06LF	95278-101A06LF	C	6	0.23	-	1	**.66**	**.60**	**.57**
649-95278-101A08LF	95278-101A08LF	C	8	0.23	-	1	**.72**	**.66**	**.62**
649-95278-101A10LF	95278-101A10LF	C	10	0.23	-	1	**.76**	**.69**	**.66**
649-95278-101A12LF	95278-101A12LF	C	12	0.23	-	1	**.71**	**.65**	**.62**
649-95278-101A16LF	95278-101A16LF	C	16	0.23	-	1	**.75**	**.69**	**.65**
Straight Solder Tail									
649-67996-104HLF	67996-104HLF	D	4	0.23	0.095	1	**.15**	**.14**	**.13**
649-67996-106HLF	67996-106HLF	D	6	0.23	0.095	1	**.30**	**.27**	**.25**
649-67996-108HLF	67996-108HLF	D	8	0.23	0.095	1	**2.52**	**2.29**	**2.18**
649-67996-110HLF	67996-110HLF	D	10	0.23	0.095	1	**.44**	**.40**	**.38**
649-67996-112HLF	67996-112HLF	D	12	0.23	0.095	1	**.39**	**.36**	**.34**
649-67996-116HLF	67996-116HLF	D	16	0.23	0.095	1	**.69**	**.62**	**.59**
649-67996-120HLF	67996-120HLF	D	20	0.23	0.095	1	**.62**	**.56**	**.53**
649-67996-130HLF	67996-130HLF	D	30	0.23	0.095	1	**1.37**	**1.24**	**1.18**
649-67996-172HLF	67996-172HLF	D	72	0.23	0.095	1	**2.01**	**1.83**	**1.74**
649-67996-272HLF	67996-272HLF	D	72	0.23	0.095	2	**1.56**	**1.42**	**1.35**
649-67997-104HLF	67997-104HLF	D	4	0.23	0.12	1	**.15**	**.14**	**.13**
649-67997-106HLF	67997-106HLF	D	6	0.23	0.12	1	**1.45**	**1.32**	**1.25**
649-67997-108HLF	67997-108HLF	D	8	0.2 3	0.12	1	**.42**	**.39**	**.37**
649-67997-110HLF	67997-110HLF	D	10	0.23	0.12	1	**1.88**	**1.71**	**1.62**
649-67997-112HLF	67997-112HLF	D	12	0.23	0.12	1	**.45**	**.41**	**.39**
649-67997-116HLF	67997-116HLF	D	16	0.23	0.12	1	**.82**	**.75**	**.71**
649-67997-120HLF	67997-120HLF	D	20	0.23	0.12	1	**3.71**	**3.38**	**3.21**
649-67997-172HLF	67997-172HLF	D	72	0.23	0.12	1	**1.91**	**1.73**	**1.65**
649-67997-208HLF	67997-208HLF	D	8	0.23	0.12	2	**.24**	**.24**	**.23**
649-67997-272HLF	67997-272HLF	D	72	0.23	0.12	2	**1.59**	**1.45**	**1.37**
649-67997-472HLF	67997-472HLF	D	72	0.23	0.12	4	**.73**	**.67**	**.63**
649-68602-104HLF	68602-104HLF	D	4	0.23	0.15	1	**.70**	**.62**	**.59**
649-68602-106HLF	68602-106HLF	D	6	0.23	0.15	1	**.18**	**.17**	**.16**
649-68602-110HLF	68602-110HLF	D	10	0.23	0.15	1	**.17**	**.16**	**.15**
649-68602-112HLF	68602-112HLF	D	12	0.23	0.15	1	**.20**	**.19**	**.18**
649-68602-116HLF	68602-116HLF	D	16	0.23	0.15	1	**.27**	**.25**	**.24**
649-68602-120HLF	68602-120HLF	D	20	0.23	0.15	1	**.55**	**.50**	**.47**
649-68602-172HLF	68602-172HLF	D	72	0.23	0.15	1	**1.90**	**1.73**	**1.64**
649-68602-472HLF	68602-472HLF	D	72	0.23	0.15	4	**1.30**	**1.18**	**1.12**
649-68691-172HLF	68691-172HLF	D	72	0.318	0.12	1	**1.83**	**1.67**	**1.58**
649-68691-472HLF	68691-472HLF	D	72	0.318	0.12	4	**.91**	**.83**	**.78**
Straight Retentive Solder Tail									
649-69192-406HLF	69192-406HLF	D	6	0.23	0.12	4	**.14**	**.13**	**.12**
649-69192-408HLF	69192-408HLF	D	8	0.23	0.12	4	**.26**	**.24**	**.23**
649-69192-220HLF	69192-220HLF	D	20	0.23	0.12	2	**.48**	**.44**	**.42**
649-69192-108HLF	69192-108HLF	D	8	0.23	0.12	1	**.42**	**.38**	**.37**
Right Angle Solder Tail									
649-68020-172HLF	68020-172HLF	E	72	0.23	0.095	1	**2.77**	**2.52**	**2.40**
649-68020-472HLF	68020-472HLF	E	72	0.23	0.095	4	**.87**	**.80**	**.76**
649-68021-172HLF	68021-172HLF	E	72	0.23	0.12	1	**2.57**	**2.34**	**2.22**
649-68021-472HLF	68021-472HLF	E	72	0.23	0.12	4	**2.26**	**2.05**	**1.95**
649-79257-272HLF	79257-272HLF	E	72	0.23	0.12	2	**2.17**	**1.97**	**1.87**

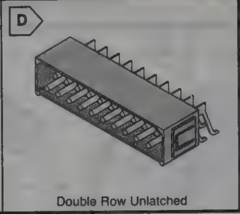
L-Tek High Reliability 2mm Datamate Connectors

HARWiN

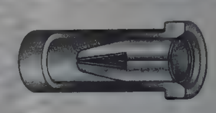
A

Double Row w/Locking Latch

B

Single Row w/Friction Latch

C

Shown w/Locking Latch

D

Double Row Unlatched

3 AMP Four Finger Berylium Copper Contact


Standard in all L & J Tek Female Connectors

L-TEK DATAMATE SERIES - 3 LATCHING OPTIONS: LOCKING LATCH, FRICTION LATCH, WITHOUT LATCH

Features:

- Mates with all L-Tek Series Connectors
- Professional connector system at commercial prices
- Ideal for COTS applications
- Proven history in Mil/Aero applications
- Environmental Classification -55°C / 125°C / 56 days at 95% RH
- Male Contacts: Phosphor bronze
- Durability: 500 operations
- Complies with BS9525-F0033/Mil C 55302/CECC 75101-008
- Proven performance in high vibration applications
- Mouldings: Glass-filled thermoplastic UL94V-0
- Female Contacts: Brass shell, with 4 finger beryllium copper contact
- RoHS compliant per Harwin Documentation

RoHS Compliant

L-Tek Male PC Tail Connectors - Vertical

Features:

- Selective Gold Plating
- Fully shrouded contacts
- Polarized mouldings

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Price Each		
					1	10	25
Single Row With Locking Latch							
855-M80-8820242	855-M80-8770222	M80-8770222	A	2	1.63	1.51	1.39
855-M80-8820342	855-M80-8770322	M80-8770322	A	3	1.70	1.56	1.45
Single Row Without Latch							
855-M80-8520242	855-M80-8790222	M80-8790222	A	2	.67	.61	.57
855-M80-8520342	855-M80-8790322	M80-8790322	A	3	.74	.68	.63
Double Row With Locking Latch							
855-M80-8530442	855-M80-8670422	M80-8670422	A	4	2.15	1.98	1.84
855-M80-8530642	855-M80-8670622	M80-8670622	A	6	2.39	2.21	2.05
855-M80-8530842	855-M80-8670822	M80-8670822	A	8	2.41	2.22	2.07
855-M80-8531042	855-M80-8671022	M80-8671022	A	10	2.55	2.34	2.19
855-M80-8531242	855-M80-8671222	M80-8671222	A	12	2.81	2.58	2.40
855-M80-8532042	855-M80-8672022	M80-8672022	A	20	3.40	3.14	2.92
855-M80-8532642	855-M80-8672622	M80-8672622	A	26	3.81	3.52	3.27
855-M80-8533442	855-M80-8673422	M80-8673422	A	34	4.35	4.01	3.73
Double Row Without Latch							
855-M80-8540442	855-M80-8690422	M80-8690422	A	4	1.12	1.04	.96
855-M80-8540642	855-M80-8690622	M80-8690622	A	6	1.27	1.17	1.09
855-M80-8540842	855-M80-8690822	M80-8690822	A	8	1.45	1.33	1.24
855-M80-8541042	855-M80-8691022	M80-8691022	A	10	1.60	1.47	1.37
855-M80-8541242	855-M80-8691222	M80-8691222	A	12	1.76	1.63	1.52
855-M80-8542042	855-M80-8692022	M80-8692022	A	20	2.66	2.44	2.28
855-M80-8542642	855-M80-8692622	M80-8692622	A	26	3.82	3.52	3.29
855-M80-8543442	855-M80-8693422	M80-8693422	A	34	4.78	4.41	4.11
Double Row With Friction Latch							
855-M80-8630442	855-M80-8150422	M80-8150422	A	4	2.83	2.57	2.26
855-M80-8630642	855-M80-8150622	M80-8150622	A	6	3.15	2.87	2.52
855-M80-8630842	855-M80-8150822	M80-8150822	A	8	3.18	2.88	2.54
855-M80-8631042	855-M80-8151022	M80-8151022	A	10	3.35	3.04	2.68
855-M80-8631242	855-M80-8151222	M80-8151222	A	12	3.70	3.36	2.96
855-M80-8632042	855-M80-8152022	M80-8152022	A	20	4.47	4.07	3.58
855-M80-8632642	855-M80-8152622	M80-8152622	A	26	5.03	4.57	4.02
855-M80-8633442	855-M80-8153422	M80-8153422	A	34	5.73	5.20	4.58

L-Tek Male PC Tail Connectors - Right Angle

Features:

- Selective Gold Plating
- PCB hold-downs included
- Polarized mouldings

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Price Each		
					1	10	25
Single Row With Locking Latch							
855-M80-8420242	855-M80-8760222	M80-8760222	B	2	1.98	1.82	1.69
855-M80-8420342	855-M80-8760322	M80-8760322	B	3	2.03	1.87	1.74
Single Row Without Latch							
855-M80-8430242	855-M80-8780222	M80-8780222	B	2	1.04	.96	.90
855-M80-8430342	855-M80-8780322	M80-8780322	B	3	1.12	1.03	.96
Double Row With Locking Latch							
855-M80-8510442	855-M80-8660422	M80-8660422	B	4	3.14	2.89	2.70
855-M80-8510642	855-M80-8660622	M80-8660622	B	6	3.31	3.04	2.84
855-M80-8510842	855-M80-8660822	M80-8660822	B	8	3.48	3.19	2.98
855-M80-8511042	855-M80-8661022	M80-8661022	B	10	3.63	3.34	3.11
855-M80-8511242	855-M80-8661222	M80-8661222	B	12	3.78	3.48	3.25
855-M80-8512042	855-M80-8662022	M80-8662022	B	20	4.65	4.29	4.00
855-M80-8512642	855-M80-8662622	M80-8662622	B	26	5.17	4.75	4.44
855-M80-8513442	855-M80-8663422	M80-8663422	B	34	5.81	5.36	4.99
Double Row Without Latch							
855-M80-8410442	855-M80-8680422	M80-8680422	B	4	1.88	1.74	1.61
855-M80-8410642	855-M80-8680622	M80-8680622	B	6	2.07	1.90	1.78
855-M80-8410842	855-M80-8680822	M80-8680822	B	8	2.26	2.08	1.94
855-M80-8411042	855-M80-8681022	M80-8681022	B	10	2.45	2.26	2.10
855-M80-8411242	855-M80-8681222	M80-8681222	B	12	2.63	2.41	2.25
855-M80-8412042	855-M80-8682022	M80-8682022	B	20	3.63	3.34	3.11
855-M80-8412642	855-M80-8682622	M80-8682622	B	26	4.19	3.87	3.60
855-M80-8413442	855-M80-8683422	M80-8683422	B	34	4.94	4.55	4.24
Double Row With Friction Latch							
855-M80-8390442	855-M80-8140422	M80-8140422	B	4	4.13	3.75	3.30
855-M80-8390642	855-M80-8140622	M80-8140622	B	6	4.35	3.95	3.48
855-M80-8390842	855-M80-8140822	M80-8140822	B	8	4.58	4.16	3.66
855-M80-8391042	855-M80-8141022	M80-8141022	B	10	4.78	4.34	3.82
855-M80-8391242	855-M80-8141222	M80-8141222	B	12	4.97	4.53	3.98
855-M80-8392042	855-M80-8142022	M80-8142022	B	20	6.12	5.57	4.90
855-M80-8392642	855-M80-8142622	M80-8142622	B	26	6.80	6.18	5.44
855-M80-8393442	855-M80-8143422	M80-8143422	B	34	7.65	6.95	6.12

LATCHING OPTIONS

Locking Latch:	The opening in the locking latch allows it to physically snap onto the mating half for additional retention force.
Friction Latch:	The friction latch is solid, which allows additional retention without physically locking onto mating half.
Unlatched:	The unique design of the four leaf Berylium Copper contacts provides retention force for unlatched options.

L-Tek Male Surface Mount Connectors - Vertical

Features:

- Selective Gold Plating
- Polarized mouldings
- Double Row

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Price Each		
					1	10	25
With Locking Latch							
855-M80-8280442	855-M80-8280422	M80-8280422	C	4	2.45	2.26	2.11
855-M80-8280642	855-M80-8280622	M80-8280622	C	6	2.60	2.40	2.23
855-M80-8280842	855-M80-8280822	M80-8280822	C	8	2.75	2.54	2.36
855-M80-8281042	855-M80-8281022	M80-8281022	C	10	2.91	2.68	2.49
855-M80-8281242	855-M80-8281222	M80-8281222	C	12	3.06	2.82	2.63
855-M80-8282042	855-M80-8282022	M80-8282022	C	20	3.89	3.58	3.34
855-M80-8282642	855-M80-8282622	M80-8282622	C	26	4.35	4.01	3.74
855-M80-8283442	855-M80-8283422	M80-8283422	C	34	4.97	4.59	4.27
Without Latch							
855-M80-8260442	855-M80-8260422	M80-8260422	C	4	2.11	1.95	1.81
855-M80-8260642	855-M80-8260622	M80-8260622	C	6	2.24	2.07	1.92
855-M80-8260842	855-M80-8260822	M80-8260822	C	8	2.37	2.19	2.04
855-M80-8261042	855-M80-8261022	M80-8261022	C	10	2.49	2.29	2.13
855-M80-8261242	855-M80-8261222	M80-8261222	C	12	2.62	2.42	2.25
855-M80-8262042	855-M80-8262022	M80-8262022	C	20	3.34	3.08	2.87
855-M80-8262642	855-M80-8262622	M80-8262622	C	26	3.74	3.45	3.21
855-M80-8263442	855-M80-8263422	M80-8263422	C	34	4.28	3.94	3.67
With Friction Latch							
855-M80-8270442	855-M80-8270422	M80-8270422	C	4	2.45	2.26	2.11
855-M80-8270642	855-M80-8270622	M80-8270622	C	6	2.60	2.40	2.23
855-M80-8270842	855-M80-8270822	M80-8270822	C	8	2.75	2.54	2.36
855-M80-8271042	855-M80-8271022	M80-8271022	C	10	2.91	2.68	2.49
855-M80-8271242	855-M80-8271222	M80-8271222	C	12	3.06	2.82	2.63
855-M80-8272042	855-M80-8272022	M80-8272022	C	20	3.89	3.58	3.34
855-M80-8272642	855-M80-8272622	M80-8272622	C	26	4.35	4.01	3.73
855-M80-8273442	855-M80-8273422	M80-8273422	C	34	4.98	4.58	4.27

L-Tek Male Surface Mount Connectors - Horizontal

Features:

- Selective Gold Plating
- Polarized mouldings
- Double Row

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Price Each		
					1	10	25
With Locking Latch							
855-M80-6660442	855-M80-6660422	M80-6660422	D	4	3.61	3.33	3.09
855-M80-6660642	855-M80-6660622	M80-6660622	D	6	3.80	3.50	3.26
855-M80-6660842	855-M80-6660822	M80-6660822	D	8	3.99	3.68	3.42
855-M80-6661042	855-M80-6661022	M80-6661022	D	10	4.16	3.83	3.58
855-M80-6661242	855-M80-6661222	M80-6661222	D	12	4.35	4.01	3.73
855-M80-6662042	855-M80-6662022	M80-6662022	D	20	5.35	4.94	4.60
855-M80-6662642	855-M80-6662622	M80-6662622	D	26	5.93	5.46	5.08
855-M80-6663442	855-M80-6663422	M80-6663422	D	34	6.69	6.16	5.74
Without Latch							
855-M80-6650442	855-M80-6650422	M80-6650422	D	4	2.16	1.99	1.85
855-M80-6650642	855-M80-6650622	M80-6650622	D	6	2.39	2.20	2.05
855-M80-6650842	855-M80-6650822	M80-6650822	D	8	2.60	2.40	2.23
855-M80-6651042	855-M80-6651022	M80-6651022	D	10	2.81	2.59	2.41
855-M80-6651242	855-M80-6651222	M80-6651222	D	12	3.02	2.78	2.59
855-M80-6652042	855-M80-6652022	M80-6652022	D	20	4.18	3.85	3.59
855-M80-6652642	855-M80-6652622	M80-6652622	D	26	4.83	4.45	4.14
855-M80-6653442	855-M80-6653422	M80-6653422	D	34	5.70	5.25	4.89
With Friction Latch							
855-M80-6670442	855-M80-6670422	M80-6670422	D	4	3.61	3.33	3.09
855-M80-6670642	855-M80-6670622	M80-6670622	D	6	3.80	3.50	3.26
855-M80-6670842	855-M80-6670822	M80-6670822	D	8	3.99	3.68	3.42
855-M80-6671042	855-M80-6671022	M80-6671022	D	10	4.16	3.83	3.58
855-M80-6671242	855-M80-6671222	M80-6671222	D	12	4.35	4.01	3.73
855-M80-6672042	855-M80-6672022	M80-6672022	D	20	5.35	4.94	4.60
855-M80-6672642	855-M80-6672622	M80-6672622	D	26	5.93	5.46	5.08
855-M80-6673442	855-M80-6673422	M80-6673422	D	34	6.69	6.16	5.74

HARWIN L-Tek and Mix-Tek Connectors

L-TEK FEMALE PC TAIL CONNECTORS - VERTICAL

Features:
- Gold Plating
- Fully Shrouded
- Polarized Mouldings

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Price Each		
					1	10	25
Single Row							
855-M80-8400245	855-M80-8970205	M80-8970205	A	2	.89	.83	.76
855-M80-8400345	855-M80-8970305	M80-8970305	A	3	1.27	1.18	1.10
Double Row							
855-M80-8500445	855-M80-8870405	M80-8870405	A	4	1.32	1.22	1.12
855-M80-8500645	855-M80-8870605	M80-8870605	A	6	1.92	1.76	1.64
855-M80-8500845	855-M80-8870805	M80-8870805	A	8	2.42	2.22	2.07
855-M80-8501045	855-M80-8871005	M80-8871005	A	10	2.95	2.71	2.52
855-M80-8501245	855-M80-8871205	M80-8871205	A	12	3.52	3.24	3.02
855-M80-8502045	855-M80-8872005	M80-8872005	A	20	5.47	5.03	4.69
855-M80-8502645	855-M80-8872605	M80-8872605	A	26	7.04	6.49	6.05
855-M80-8503445	855-M80-8873405	M80-8873405	A	34	9.09	8.36	7.80

L-TEK FEMALE SURFACE MOUNT CONNECTORS

Features:
- Gold Plating
- Double Row
- Fully Shrouded
- Polarized Mouldings

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Price Each		
					1	10	25
855-M80-6810445	Not Applicable	M80-6810445	B	4	2.92	2.70	2.51
855-M80-6810645	Not Applicable	M80-6810645	B	6	4.27	3.94	3.67
855-M80-6810845	Not Applicable	M80-6810845	B	8	5.38	4.95	4.61
855-M80-6811045	Not Applicable	M80-6811045	B	10	6.55	6.04	5.62
855-M80-6811245	Not Applicable	M80-6811245	B	12	7.83	7.21	6.71
855-M80-6812045	Not Applicable	M80-6812045	B	20	12.16	11.20	10.43
855-M80-6812645	Not Applicable	M80-6812645	B	26	15.64	14.40	13.41
855-M80-6813445	Not Applicable	M80-6813445	B	34	20.14	18.56	17.28

L-TEK FEMALE CRIMP CONNECTORS 24-28 AWG

Features:
- Gold Plating
- 22 AWG option Available
- Contacts included
- Contacts rear insertable

RoHS Compliant

For quantities of 50 and up, call for quote.

Single Row							
855-M80-8980205	Not Applicable	M80-8980205	C	2	.88	.81	.76
855-M80-8980305	Not Applicable	M80-8980305	C	3	1.32	1.21	1.14
Double Row							
855-M80-8880405	Not Applicable	M80-8880405	C	4	1.58	1.45	1.35
855-M80-8880605	Not Applicable	M80-8880605	C	6	2.30	2.12	1.98
855-M80-8880805	Not Applicable	M80-8880805	C	8	2.91	2.68	2.50
855-M80-8881005	Not Applicable	M80-8881005	C	10	3.53	3.26	3.03
855-M80-8881205	Not Applicable	M80-8881205	C	12	4.21	3.89	3.62
855-M80-8882005	Not Applicable	M80-8882005	C	20	6.56	6.04	5.62
855-M80-8882605	Not Applicable	M80-8882605	C	26	8.44	7.77	7.24
855-M80-8883405	Not Applicable	M80-8883405	C	34	10.84	9.99	9.31
Spare Female Crimp Contact							
855-M80-0130005	Not Applicable	M80-0130005	--	--	.33	.31	.30

L-TEK HIGH RELIABILITY 2MM PRE-CRIMPED DATAMATE ASSEMBLIES WITH 18" LEADS

Features:
- Pre-assembled with 18" crimped leads inserted into the housing
- Housings: Glass filled PPS UL94V-0, Black
- Contact Plating: Gold
- Current rating: 3.0 amps
- AWG: 26 and meets MIL-W-16878
- Males supplied with Locking Latch.
- RoHS compliant per Harwin documentation
- Different color wire for each contact

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	Contact Arrangement	Gender	Connector Housing	Lead Length	Price Each		
								1	10	25
855-M80C108371C	Not Applicable	M80C108371C	D	2 x 2	Female	855-M80-8880405	18"	7.75	7.05	6.19
855-M80C108372C	Not Applicable	M80C108372C	D	2 x 4	Female	855-M80-8880805	18"	14.94	13.58	11.95
855-M80C108373C	Not Applicable	M80C108373C	D	2 x 5	Female	855-M80-8881005	18"	18.53	16.85	14.82
855-M80C108374C	Not Applicable	M80C108374C	D	2 x 6	Female	855-M80-8881205	18"	22.11	20.11	17.69
855-M80C108367C	Not Applicable	M80C108367C	E	2 x 2	Male	855-M80-8120405	18"	7.67	6.97	6.13
855-M80C108368C	Not Applicable	M80C108368C	E	2 x 4	Male	855-M80-8120805	18"	15.08	13.70	12.06
855-M80C108369C	Not Applicable	M80C108369C	E	2 x 5	Male	855-M80-8121005	18"	18.62	16.92	14.98
855-M80C108370C	Not Applicable	M80C108370C	E	2 x 6	Male	855-M80-8121205	18"	22.44	20.38	17.95

MIX-TEK MIXED TECHNOLOGY DATAMATE JACKSCREW CONNECTORS

Power, Signal and Coax integrated in one connector.

Available in wire-to-board, board-to-board, and wire-to-wire applications. Contact sales for options not shown in catalog.

Features:
- Housings: Glass filled PPS UL94V-0, Black
- Contact Plating: Gold
- Signal Current rating: 3.0A
- Power Current Rating: 20A max
- Frequency Range: 6GHz max
- Impedance: 50Ω
- RoHS Compliant versions available.
- AWG: Small bore 24-28, large bore 22, power contacts 12-16
- Mix and match to meet your requirements
- Thousands of combinations possible
- With Jackscrews
- Polarized moldings

For quantities of 50 and up, call for quote.

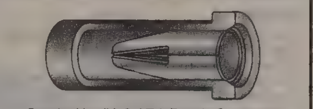
MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Contact Arrangement	Gender	Price Each		
						1	10	25
Male								
855-M80-5T106M204331	M80-5T106M2-04-331	F	10	2x3 signal, 4 power	Vertical PC Tail	40.68	35.80	32.55
855-M80-5L110M112313	M80-5L110M1-12-313	G	13	2x5 signal, 3 coax	Horizontal PC Tail	46.05	40.52	36.84
855-M80-5T200M360332	M80-5T200M3-60-332	H	6	0 signal, 6 power	Vertical PC Tail	28.05	24.68	22.44
Female								
855-M80-4D106F104327	M80-4D106F1-04-327	I	10	2x3 signal, 4 power	Crimp, large bore	36.98	32.54	29.58
855-M80-4D110F112305	M80-4D110F1-12-305	J	13	2x5 signal, 3 coax	Crimp, large bore	41.86	36.84	33.49
855-M80-4C100F160327	M80-4C100F1-60-327	K	6	0 signal, 6 power	Solder	25.50	22.44	20.40

DATAMATE TOOLS

For quantities of 5 and up, call for quote.

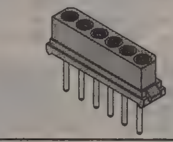
MOUSER STOCK NO.	Harwin Part No.	Description	Price Each
855-M22520/2-01	M22520/2-01	Crimp Tool	440.20
855-T5747	T5747	Positioner	89.49
855-T5746	T5746	Separator Tool	48.07
855-Z80-280	Z80-280	Insertion / Removal Tool	119.23

3 AMP Four Finger Beryllium Copper Contact

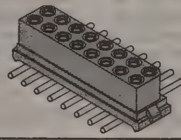


Standard in all L & J Tek Female Connectors

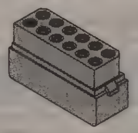
A



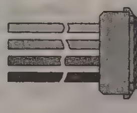
B



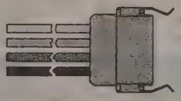
C



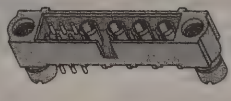
D



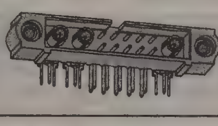
E



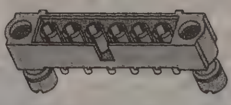
F



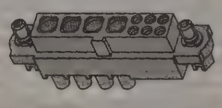
G



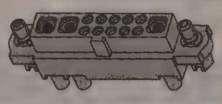
H



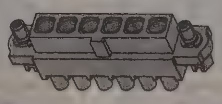
I



J



K



HARWIN J-Tek High Reliability 2mm Connectors

These surface mount connectors are designed to mate with all double row female J-Tek Datamate connectors.
They are also available in 6, 12, 14, 18, 26, 34, and 42 contact positions. Contact sales for more information.

Features:

- Professional connector system at commercial prices
- Ideal for COTS applications
- Proven history in Mil/Aero applications
- Environmental Classification: -55°C / 125°C / 56 days at 95%RH
- Complies with BS9525-F0033/Mil C 55302/CECC 75101-008
- Available in avariety of positions not shown
- Mouldings: Glass-filled thermoplastic UL94V-0
- Proven performance in high vibration applications
- Female contacts: Brass shell with 4 finger beryllium copper contact
- 3 Amps per contact
- Male contacts: Phosphor bronze
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min. at 500VDC
- Durability: 500 operations
- RoHS compliant per Harwin Documentation

J-TEK MALE PC TAIL JACKSCREW CONNECTORS

- Fully shrouded contacts
- Polarized mouldings
- Jackscrews are assembled
- 3mm PC Tail length (4.5mm tails available)
- Double row
- Mate with J-Tek Female PC Tail and Crimp connectors below
- Selective Gold plating

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each		
							1	10	25
855-M80-5001042	855-M80-5001022	M80-5001022	A	10	Vertical	With Jackscrews	8.32	7.66	7.14
855-M80-5301042	855-M80-5301022	M80-5301022	B	10	Right Angle	With Jackscrews	11.44	10.54	9.82
855-M80-5002042	855-M80-5002022	M80-5002022	A	20	Vertical	With Jackscrews	9.36	8.63	8.03
855-M80-5302042	855-M80-5302022	M80-5302022	B	20	Right Angle	With Jackscrews	12.48	11.50	10.71
855-M80-5005042	855-M80-5005022	M80-5005022	A	50	Vertical	With Jackscrews	12.47	11.48	10.70
855-M80-5305042	855-M80-5305022	M80-5305022	B	50	Right Angle	With Jackscrews	15.60	14.36	13.39

J-TEK MALE PC TAIL JACKSCREW CONNECTORS W/BOARDMOUNT HARDWARE

Features:

- Board Mounts provide PCB strain relief
- 3mm PC Tail length (4.5mm tails available)
- Double Row
- Mate with J-Tek Female PC Tail and Crimp connectors below
- Selective gold plating

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each		
							1	10	25
855-M80-5101042	855-M80-5101022	M80-5101022	C	10	Vertical	With Jackscrews	11.50	10.58	9.86
855-M80-5401042	855-M80-5401022	M80-5401022	D	10	Right Angle	With Jackscrews	17.82	16.42	15.29
855-M80-5102042	855-M80-5102022	M80-5102022	C	20	Vertical	With Jackscrews	12.94	11.91	11.10
855-M80-5402042	855-M80-5402022	M80-5402022	D	20	Right Angle	With Jackscrews	18.85	17.36	16.17
855-M80-5105042	855-M80-5105022	M80-5105022	C	50	Vertical	With Jackscrews	15.43	14.21	13.24
855-M80-5405042	855-M80-5405022	M80-5405022	D	50	Right Angle	With Jackscrews	21.76	20.04	18.67

J-TEK MALE CRIMP JACKSCREW CONNECTORS 24-28 AWG

Features:

- Fully shrouded contacts
- Polarized mouldings
- Jackscrews are assembled
- Double row
- 22AWG option available
- Contacts included
- Crimp contacts are rear insertable
- Mate with J-Tek Female PC Tail, Surface Mount, and Crimp connectors below
- Gold plating

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each		
							1	10	25
855-M80-5611005	Not Applicable	M80-5611005	E	10	Crimp	With Jackscrews	9.11	8.41	7.83
855-M80-5612005	Not Applicable	M80-5612005	E	20	Crimp	With Jackscrews	14.16	13.03	12.14
855-M80-5615005	Not Applicable	M80-5615005	E	50	Crimp	With Jackscrews	29.27	26.96	25.12

J-TEK FEMALE PC TAIL JACKSCREW CONNECTORS

Features:

- Fully shrouded contacts
- Polarized mouldings
- 3mm PC Tail length
- Mate with Male PC Tail, Boardmount, and Crimp connectors above
- Selective gold plating
- Double Row

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each		
							1	10	25
855-M80-4101042	855-M80-4101001	M80-4101001	F	10	Vertical	With Jackscrews	3.59	3.31	3.08
855-M80-4102042	855-M80-4102001	M80-4102001	F	20	Vertical	With Jackscrews	5.51	5.07	4.72
855-M80-4105042	855-M80-4105001	M80-4105001	F	50	Vertical	With Jackscrews	10.73	9.89	9.21

J-TEK FEMALE CRIMP JACKSCREW CONNECTORS 24-28 AWG

Features:

- Fully shrouded contacts
- Polarized mouldings
- Jackscrews are assembled
- 22 AWG option available
- Contacts included
- Crimp contacts are rear insertable
- Mate with Male PC Tail, Surface Mount, and Crimp connectors above
- Gold contact / Tin shell

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Style	Description	Price Each		
							1	10	25
855-M80-4611042	855-M80-4611001	M80-4611001	G	10	Crimp	With Jackscrews	10.92	10.06	9.37
855-M80-4612042	855-M80-4612001	M80-4612001	G	20	Crimp	With Jackscrews	15.32	14.10	13.14
855-M80-4615042	855-M80-4615001	M80-4615001	G	50	Crimp	With Jackscrews	28.44	26.20	24.40

J-TEK 2MM SURFACE MOUNT DATAMATE JACKSCREW CONNECTORS

Features:

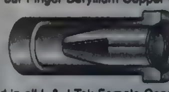
- Housings: Glass filled PPS UL94V-0, Black
- RoHS compliant per Harwin documentation
- Polarized Mouldings
- Selective Gold Plating
- Style: Vertical SMT
- Double Row

RoHS Compliant

For quantities of 50 and up, call for quote.

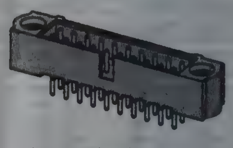
MOUSER RoHS COMPLIANT STOCK NO.	MOUSER NON-RoHS STOCK NO.	Harwin Part No.	Fig.	No. of Contacts	Contact Arrangement	Gender	Price Each		
							1	10	25
With Jackscrews									
855-M80-5021042	855-M80-5021022	M80-5021022	H	10	2 x 5	Male	13.48	12.25	10.78
855-M80-5022042	855-M80-5022022	M80-5022022	H	20	2 x 10	Male	14.78	13.43	11.82
855-M80-5025042	855-M80-5025022	M80-5025022	H	50	2 x 25	Male	18.69	16.99	14.95
Without Jackscrews									
855-M80-5221042	855-M80-5221022	M80-5221022	I	10	2 x 5	Male	9.66	8.78	7.73
855-M80-5222042	855-M80-5222022	M80-5222022	I	20	2 x 10	Male	10.89	9.90	8.71
855-M80-5225042	855-M80-5225022	M80-5225022	I	50	2 x 25	Male	14.80	13.46	11.84

3 AMP Four Finger Beryllium Copper Contact

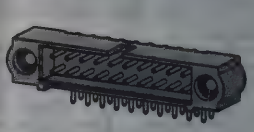


Standard in all L & J Tek Female Connectors

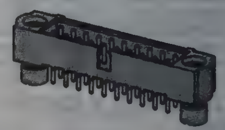
A



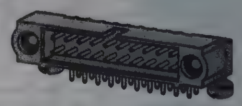
B



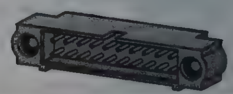
C



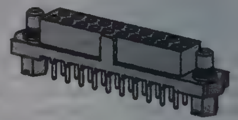
D



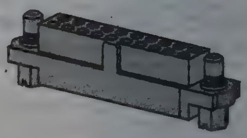
E



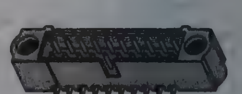
F



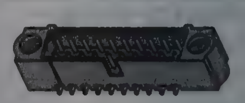
G



H



I



HARWIN Shorting Links and 1.27mm Pitch Connectors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

D308 SERIES - 1MM SHORTING LINKS

Specifications:

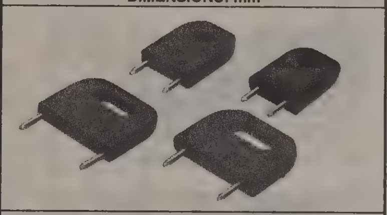
- Uninsulated links can be soldered directly into PCB for permanent linking
- Moulding: Acetal Copolymer UL94-HB
- Contact: Brass
- Current Rating: 10A at 20°

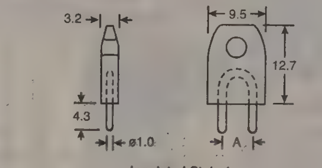
NEW PRODUCT

RoHS Compliant

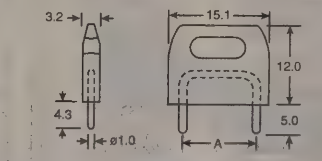
* Non-RoHS Compliant

DIMENSIONS: mm





Insulated Style 1



Insulated Style 2

Uninsulated

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Style	Plating	Pitch (A)	Price Each			
					1	100	500	1000
*855-D3080-01	D3080-01	N/A	Tin/Lead	5.08 mm	.30	.27	.25	.22
855-D3080-05	D3080-05	N/A	Gold	5.08 mm	.19	.18	.17	.16
*855-D3081-01	D3081-01	N/A	Tin/Lead	6.35 mm	.14	.13	.12	.11
855-D3081-05	D3081-05	N/A	Gold	6.35 mm	.23	.20	.18	.17
*855-D3082-01	D3082-01	N/A	Tin/Lead	10.16 mm	.19	.18	.17	.16
855-D3082-05	D3082-05	N/A	Gold	10.16 mm	.23	.20	.18	.17

Insulated

- Gold Plated

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Style	Insulation Color	Pitch (A)	Price Each			
					1	100	500	1000
855-D3086-97	D3086-97	1	Blue	5.08 mm	.51	.46	.41	.37
855-D3086-98	D3086-98	1	Black	5.08 mm	.51	.43	.41	.37
855-D3086-99	D3086-99	1	Red	5.08 mm	.51	.43	.41	.37
855-D3087-97	D3087-97	1	Blue	6.35 mm	.51	.43	.41	.37
855-D3087-98	D3087-98	1	Black	6.35 mm	.51	.43	.41	.37
855-D3087-99	D3087-99	1	Red	6.35 mm	.51	.43	.41	.37
855-D3088-97	D3088-97	2	Blue	10.16 mm	.56	.51	.45	.40
855-D3088-98	D3088-98	2	Black	10.16 mm	.56	.51	.45	.40
855-D3088-99	D3088-99	2	Red	10.16 mm	.56	.51	.45	.40
855-D3089-97	D3089-97	2	Blue	12.70 mm	.56	.51	.45	.40
855-D3089-98	D3089-98	2	Black	12.70 mm	.56	.51	.45	.40
855-D3089-99	D3089-99	2	Red	12.70 mm	.56	.51	.45	.40

M50 SERIES - DOUBLE ROW 1.27MM (.050") PITCH

Ideal for fine pitch board to board applicattions.

- High Temperature Plastic UL94V-0
- Current Rating: 1A per contact
- Voltage: 150V AC
- Contact Material: Copper Alloy
- Finish Material: Part # ending with 45: Gold finish; Part number ending with 42: Gold contact, tin tail

RoHS Compliant

- RoHS Compliant per Harwin Documentation

Sockets

For quantities of 50 and up, call for quote.

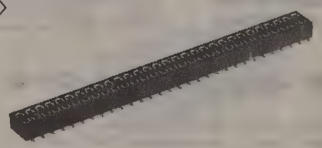
MOUSER STOCK NO.	Harwin Part No.	Fig.	Pos.	Price Each		
				1	10	25
Dual Entry Low Profile SMT Socket, 2.2mm Mould Height						
855-M50-3150542	M50-3150542	A	10	2.58	2.35	2.06
855-M50-3150642	M50-3150642	A	12	2.68	2.44	2.14
855-M50-3150842	M50-3150842	A	16	3.60	3.28	2.88
855-M50-3151042	M50-3151042	A	20	4.50	4.10	3.60
855-M50-3151242	M50-3151242	A	24	4.75	4.33	3.80
855-M50-3151542	M50-3151542	A	30	5.95	5.42	4.76
855-M50-3152042	M50-3152042	A	40	7.18	6.54	5.74
855-M50-3152542	M50-3152542	A	50	8.98	8.19	7.18
Right Angle Horizontal Socket, 3.45mm Mould Height						
855-M50-3200545	M50-3200545	B	10	1.58	1.43	1.26
855-M50-3200645	M50-3200645	B	12	1.70	1.55	1.36
855-M50-3200845	M50-3200845	B	16	2.26	2.05	1.80
855-M50-3201045	M50-3201045	B	20	2.83	2.57	2.26
855-M50-3201245	M50-3201245	B	24	3.13	2.85	2.51
855-M50-3201545	M50-3201545	B	30	3.80	3.45	3.04
855-M50-3202045	M50-3202045	B	40	4.60	4.18	3.68
855-M50-3202545	M50-3202545	B	50	5.78	5.25	4.63
Vertical SMT Socket, 3.6mm Mould Height						
855-M50-3120545	M50-3120545	C	10	1.58	1.43	1.26
855-M50-3120645	M50-3120645	C	12	1.70	1.55	1.36
855-M50-3120845	M50-3120845	C	16	2.26	2.05	1.80
855-M50-3121045	M50-3121045	C	20	2.83	2.57	2.26
855-M50-3121245	M50-3121245	C	24	3.13	2.85	2.51
855-M50-3121545	M50-3121545	C	30	3.80	3.45	3.04
855-M50-3122045	M50-3122045	C	40	4.60	4.18	3.68
855-M50-3122545	M50-3122545	C	50	5.78	5.25	4.63
Vertical Socket, 4.3mm Mould Height						
855-M50-3000545	M50-3000545	D	10	1.23	1.12	.98
855-M50-3000645	M50-3000645	D	12	1.33	1.20	1.06
855-M50-3000845	M50-3000845	D	16	1.57	1.44	1.26
855-M50-3001045	M50-3001045	D	20	1.95	1.78	1.58
855-M50-3001245	M50-3001245	D	24	2.10	1.91	1.68
855-M50-3001545	M50-3001545	D	30	2.52	2.30	2.02
855-M50-3002045	M50-3002045	D	40	3.18	2.90	2.54
855-M50-3002545	M50-3002545	D	50	3.52	3.21	2.82
Polarized SMT Socket, 4.4mm Mould Height						
855-M50-4300545	M50-4300545	E	10	1.58	1.43	1.26
855-M50-4300645	M50-4300645	E	12	1.70	1.55	1.36
855-M50-4300845	M50-4300845	E	16	2.26	2.05	1.80
855-M50-4301045	M50-4301045	E	20	2.83	2.57	2.26
855-M50-4301245	M50-4301245	E	24	3.13	2.85	2.51
855-M50-4301545	M50-4301545	E	30	3.80	3.45	3.04
855-M50-4302045	M50-4302045	E	40	4.60	4.18	3.68
855-M50-4302545	M50-4302545	E	50	5.78	5.25	4.63

Headers

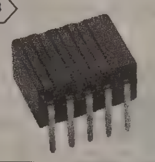
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Pos.	Price Each		
				1	10	25
SMT Pin Header, 3.0mm Post						
855-M50-3600542	M50-3600542	F	10	.90	.82	.72
855-M50-3600642	M50-3600642	F	12	1.02	.94	.82
855-M50-3600842	M50-3600842	F	16	1.25	1.14	1.00
855-M50-3601042	M50-3601042	F	20	1.50	1.37	1.20
855-M50-3601242	M50-3601242	F	24	1.75	1.60	1.40
855-M50-3601542	M50-3601542	F	30	2.10	1.91	1.68
855-M50-3602042	M50-3602042	F	40	2.73	2.49	2.18
855-M50-3602542	M50-3602542	F	50	2.78	2.53	2.22
Vertical Pin Header, 3.0mm Post						
855-M50-3500542	M50-3500542	G	10	.85	.77	.68
855-M50-3500642	M50-3500642	G	12	.95	.86	.76
855-M50-3500842	M50-3500842	G	16	1.15	1.05	.92
855-M50-3501042	M50-3501042	G	20	1.35	1.22	1.08
855-M50-3501242	M50-3501242	G	24	1.45	1.32	1.16
855-M50-3501542	M50-3501542	G	30	1.95	1.77	1.56
855-M50-3502042	M50-3502042	G	40	2.33	2.12	1.86
855-M50-3502542	M50-3502542	G	50	2.80	2.55	2.24
Right Angle Pin Header, 3.8mm Post						
855-M50-3900542	M50-3900542	H	10	1.05	.96	.84
855-M50-3900642	M50-3900642	H	12	1.20	1.09	.96
855-M50-3900842	M50-3900842	H	16	1.52	1.39	1.22
855-M50-3901042	M50-3901042	H	20	1.80	1.64	1.44
855-M50-3901242	M50-3901242	H	24	2.12	1.94	1.70
855-M50-3901542	M50-3901542	H	30	2.58	2.35	2.06
855-M50-3902042	M50-3902042	H	40	3.30	3.00	2.64
855-M50-3902542	M50-3902542	H	50	3.75	3.42	3.00
Polarized Right Angle Pin Header						
855-M50-4800545	M50-4800545	I	10	1.78	1.61	1.43
855-M50-4800645	M50-4800645	I	12	2.06	1.87	1.64
855-M50-4800845	M50-4800845	I	16	2.48	2.25	1.98
855-M50-4801045	M50-4801045	I	20	3.10	2.82	2.48
855-M50-4801245	M50-4801245	I	24	3.10	2.82	2.48
855-M50-4801545	M50-4801545	I	30	4.23	3.84	3.38
855-M50-4802045	M50-4802045	I	40	5.63	5.11	4.50
855-M50-4802545	M50-4802545	I	50	7.10	6.45	5.69
Polarized SMT Pin Header						
855-M50-4900545	M50-4900545	J	10	1.78	1.61	1.43
855-M50-4900645	M50-4900645	J	12	2.06	1.87	1.64
855-M50-4900845	M50-4900845	J	16	2.48	2.25	1.98
855-M50-4901045	M50-4901045	J	20	3.10	2.82	2.48
855-M50-4901245	M50-4901245	J	24	3.10	2.82	2.48
855-M50-4901545	M50-4901545	J	30	4.23	3.84	3.38
855-M50-4902045	M50-4902045	J	40	5.63	5.11	4.50
855-M50-4902545	M50-4902545	J	50	7.10	6.45	5.69
Polarized Shrouded Pin Header						
855-M50-4700545	M50-4700545	K	10	1.78	1.61	1.43
855-M50-4700645	M50-4700645	K	12	2.06	1.87	1.64
855-M50-4700845	M50-4700845	K	16	2.48	2.25	1.98
855-M50-4701045	M50-4701045	K	20	3.10	2.82	2.48
855-M50-4701245	M50-4701245	K	24	3.10	2.82	2.48
855-M50-4701545	M50-4701545	K	30	4.23	3.84	3.38
855-M50-4702045	M50-4702045	K	40	5.63	5.11	4.50
855-M50-4702545	M50-4702545	K	50	7.10	6.45	5.69

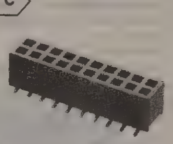
A



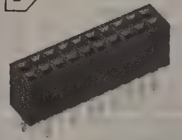
B



C

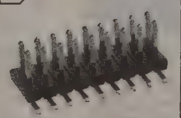


D

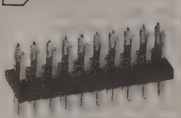


E

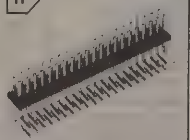
F



G



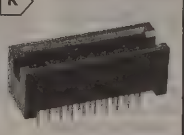
H



I

J

K



HARWIN M22 Series Fine Pitch Connectors

RoHS Compliant This page of product is compliant.

2MM SINGLE ROW HEADERS

- Moulding Material: High Temperature Plastic, UL94V-0
- Current Rating: 2A per single contact, 1A all contacts
- Contact Resistance: 30 mΩ max
- Voltage Rating: 250V AC/DC
- Insulation Resistance: 100 MΩ min
- Contact Material: Copper Alloy
- Plating: Gold
- 2.4mm tails
- RoHS Compliant per Harwin Documentation

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Positions	Post Size (mm)	Description	Price Each		
						1	10	25
855-M22-2510205	M22-2510205	A	2	3.5	Vertical Pin	.16	.15	.14
855-M22-2510305	M22-2510305	A	3	3.5	Vertical Pin	.20	.19	.18
855-M22-2510405	M22-2510405	A	4	3.5	Vertical Pin	.24	.20	.18
855-M22-2510505	M22-2510505	A	5	3.5	Vertical Pin	.23	.21	.20
855-M22-2510605	M22-2510605	A	6	3.5	Vertical Pin	.35	.32	.28
855-M22-2511005	M22-2511005	A	10	3.5	Vertical Pin	.58	.52	.46
855-M22-2511405	M22-2511405	A	14	3.5	Vertical Pin	.78	.71	.62
855-M22-2512005	M22-2512005	A	20	3.5	Vertical Pin	1.13	1.02	.90
855-M22-2530205	M22-2530205	B	2	3.5	Right Angle Pin	.14	.13	.13
855-M22-2530305	M22-2530305	B	3	3.5	Right Angle Pin	.20	.18	.16
855-M22-2530405	M22-2530405	B	4	3.5	Right Angle Pin	.28	.25	.22
855-M22-2530505	M22-2530505	B	5	3.5	Right Angle Pin	.33	.30	.26
855-M22-2530605	M22-2530605	B	6	3.5	Right Angle Pin	.40	.36	.32
855-M22-2531005	M22-2531005	B	10	3.5	Right Angle Pin	.65	.59	.52
855-M22-2531405	M22-2531405	B	14	3.5	Right Angle Pin	1.11	1.00	.88
855-M22-2532005	M22-2532005	B	20	3.5	Right Angle Pin	1.67	1.53	1.34
855-M22-5330205	M22-5330205	C	2	4.0	Right Angle SMT Pin	.23	.20	.18
855-M22-5330305	M22-5330305	C	3	4.0	Right Angle SMT Pin	.36	.33	.28
855-M22-5330405	M22-5330405	C	4	4.0	Right Angle SMT Pin	.46	.42	.37
855-M22-5330505	M22-5330505	C	5	4.0	Right Angle SMT Pin	.58	.53	.47
855-M22-5330605	M22-5330605	C	6	4.0	Right Angle SMT Pin	.68	.62	.54
855-M22-5331005	M22-5331005	C	10	4.0	Right Angle SMT Pin	1.16	1.05	.93
855-M22-5331405	M22-5331405	C	14	4.0	Right Angle SMT Pin	1.61	1.46	1.28
855-M22-5332005	M22-5332005	C	20	4.0	Right Angle SMT Pin	2.28	2.07	1.82

2MM DOUBLE ROW HEADERS

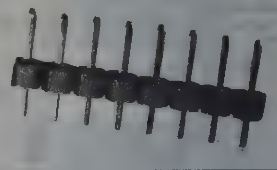
- Moulding Material: High Temperature Plastic, UL94V-0
- Current Rating: 2A per single contact, 1A all contacts
- Contact Resistance: 30 mΩ max
- Voltage Rating: 250V AC/DC
- Insulation Resistance: 100 MΩ min
- Contact Material: Copper Alloy
- Plating: Gold
- 2.4mm tails
- RoHS Compliant per Harwin Documentation

RoHS Compliant

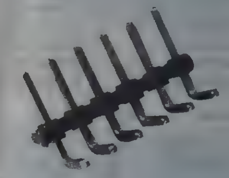
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Positions	Post Size (mm)	Description	Price Each		
						1	10	25
855-M22-5430305	M22-5430305	D	6	3.2	RA SMT Pin w/ Location Pegs	.78	.71	.62
855-M22-5430405	M22-5430405	D	8	3.2	RA SMT Pin w/ Location Pegs	1.06	.96	.85
855-M22-5430505	M22-5430505	D	10	3.2	RA SMT Pin w/ Location Pegs	1.31	1.18	1.05
855-M22-5430605	M22-5430605	D	12	3.2	RA SMT Pin w/ Location Pegs	1.58	1.44	1.26
855-M22-5431005	M22-5431005	D	20	3.2	RA SMT Pin w/ Location Pegs	2.60	2.36	2.09
855-M22-5431405	M22-5431405	D	28	3.2	RA SMT Pin w/ Location Pegs	3.66	3.32	2.92
855-M22-5432005	M22-5432005	D	40	3.2	RA SMT Pin w/ Location Pegs	5.23	4.75	4.19
855-M22-2540205	M22-2540205	E	4	3.5	Right Angle Pin	.30	.28	.24
855-M22-2540305	M22-2540305	E	6	3.5	Right Angle Pin	.38	.34	.30
855-M22-2540405	M22-2540405	E	8	3.5	Right Angle Pin	.53	.47	.42
855-M22-2540505	M22-2540505	E	10	3.5	Right Angle Pin	.65	.60	.52
855-M22-2540605	M22-2540605	E	12	3.5	Right Angle Pin	.78	.71	.62
855-M22-2541005	M22-2541005	E	20	3.5	Right Angle Pin	1.28	1.16	1.02
855-M22-2541405	M22-2541405	E	28	3.5	Right Angle Pin	1.80	1.63	1.44
855-M22-2542005	M22-2542005	E	40	3.5	Right Angle Pin	2.77	2.52	2.22
855-M22-2520205	M22-2520205	F	4	3.5	Vertical Pin	.24	.20	.18
855-M22-2520305	M22-2520305	F	6	3.5	Vertical Pin	.35	.32	.28
855-M22-2520405	M22-2520405	F	8	3.5	Vertical Pin	.45	.41	.36
855-M22-2520505	M22-2520505	F	10	3.5	Vertical Pin	.58	.52	.46
855-M22-2520605	M22-2520605	F	12	3.5	Vertical Pin	.68	.61	.54
855-M22-2521005	M22-2521005	F	20	3.5	Vertical Pin	1.13	1.02	.90
855-M22-2521405	M22-2521405	F	28	3.5	Vertical Pin	1.63	1.47	1.30
855-M22-2522005	M22-2522005	F	40	3.5	Vertical Pin	2.28	2.07	1.82
855-M22-5320205	M22-5320205	G	4	3.5	SMT Vertical Pin	.41	.36	.32
855-M22-5320305	M22-5320305	G	6	3.5	SMT Vertical Pin	.51	.45	.40
855-M22-5320405	M22-5320405	G	8	3.5	SMT Vertical Pin	.62	.57	.50
855-M22-5320505	M22-5320505	G	10	3.5	SMT Vertical Pin	.78	.70	.62
855-M22-5320605	M22-5320605	G	12	3.5	SMT Vertical Pin	.90	.82	.72
855-M22-5321005	M22-5321005	G	20	3.5	SMT Vertical Pin	1.46	1.32	1.16
855-M22-5321405	M22-5321405	G	28	3.5	SMT Vertical Pin	2.05	1.86	1.64
855-M22-5322005	M22-5322005	G	40	3.5	SMT Vertical Pin	2.92	2.66	2.34
855-M22-2580205	M22-2580205	H	4	5.0	Vertical Pin	.25	.23	.20
855-M22-2580305	M22-2580305	H	6	5.0	Vertical Pin	.40	.37	.32
855-M22-2580405	M22-2580405	H	8	5.0	Vertical Pin	.53	.48	.42
855-M22-2580505	M22-2580505	H	10	5.0	Vertical Pin	.65	.60	.52
855-M22-2580605	M22-2580605	H	12	5.0	Vertical Pin	.78	.71	.62
855-M22-2581005	M22-2581005	H	20	5.0	Vertical Pin	1.30	1.18	1.04
855-M22-2581405	M22-2581405	H	28	5.0	Vertical Pin	1.85	1.69	1.48
855-M22-2582005	M22-2582005	H	40	5.0	Vertical Pin	2.63	2.39	2.10

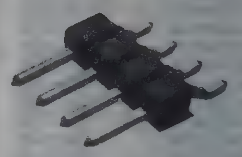
A



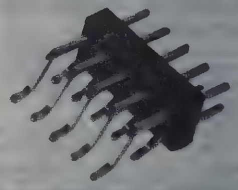
B



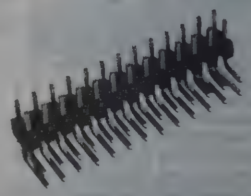
C



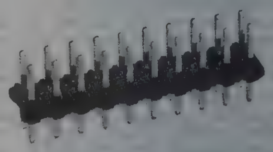
D



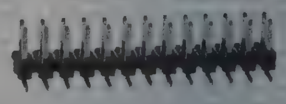
E



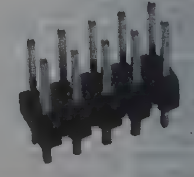
F



G



H



HARWIN M22 Series Fine Pitch Connectors

RoHS Compliant **This page of product is compliant.**

2MM PITCH JUMPER SOCKETS

For use with any M22 unshrouded pin headers.

- Can be fitted and removed by hand, giving an alternative to DIP Switches for on-board programming.
- Open top for use with test probe and end/side stackable
- Moulding: Glass filled Polyester UL94V-0
- Temperature Range: -40°C to 85°C
- Current Rating: 2 Amps
- Voltage: 250V AC/DC
- RoHS Compliant per Harwin Documentation

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Plating	Color	Contact	Price Each		
						1	10	25
855-M22-1900046	M22-1900046	A	Tin	Black	Beryllium Copper	.24	.23	.21
855-M22-1910046	M22-1910046	A	Tin	Blue	Beryllium Copper	.24	.23	.21
855-M22-1920046	M22-1920046	A	Tin	Red	Beryllium Copper	.24	.23	.21
855-M22-1900005	M22-1900005	A	Gold	Black	Beryllium Copper	.23	.22	.20
855-M22-1910005	M22-1910005	A	Gold	Blue	Beryllium Copper	.23	.22	.20
855-M22-1920005	M22-1920005	A	Gold	Red	Beryllium Copper	.23	.22	.20

2MM FINE PITCH SOCKETS

- PC Tail Sockets have 2.6mm tails.
- Moulding Material: High Temperature Plastic, UL94V-0
- Contact Material: Phosphor Bronze
- Current Rating: 2A per single contact, 1A all contacts
- Plating: Gold, Tin
- Voltage Rating: 250V AC/DC
- Contact Resistance: 30 mΩ max
- Insulation resistance: 100 MΩ min
- RoHS Compliant per Harwin Documentation

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Pos.	Mould Height (mm)	Plating	Description	Price Each		
							1	10	25
855-M22-7130342	M22-7130342	B	3	4.4	Gold, Tin	Single Row	.82	.75	.66
855-M22-7130442	M22-7130442	B	4	4.4	Gold, Tin	Single Row	.88	.80	.71
855-M22-7130542	M22-7130542	B	5	4.4	Gold, Tin	Single Row	.93	.84	.75
855-M22-7130642	M22-7130642	B	6	4.4	Gold, Tin	Single Row	.92	.85	.74
855-M22-7131042	M22-7131042	B	10	4.4	Gold, Tin	Single Row	1.28	1.16	1.02
855-M22-7131442	M22-7131442	B	14	4.4	Gold, Tin	Single Row	1.81	1.64	1.44
855-M22-7132042	M22-7132042	B	20	4.4	Gold, Tin	Single Row	2.55	2.32	2.04
855-M22-6360346	M22-6360346	C	6	2.3	Tin	Double Row/Dual Entry, SMT	1.56	1.42	1.35
855-M22-6360446	M22-6360446	C	8	2.3	Tin	Double Row/Dual Entry, SMT	1.82	1.66	1.58
855-M22-6360546	M22-6360546	C	10	2.3	Tin	Double Row/Dual Entry, SMT	2.31	2.10	2.00
855-M22-6360646	M22-6360646	C	12	2.3	Tin	Double Row/Dual Entry, SMT	2.70	2.46	2.33
855-M22-6361046	M22-6361046	C	20	2.3	Tin	Double Row/Dual Entry, SMT	4.49	4.08	3.88
855-M22-6361446	M22-6361446	C	28	2.3	Tin	Double Row/Dual Entry, SMT	6.27	5.70	5.42
855-M22-6362046	M22-6362046	C	40	2.3	Tin	Double Row/Dual Entry, SMT	8.93	8.12	7.72
855-M22-7140342	M22-7140342	D	6	4.4	Gold, Tin	Double Row	.92	.85	.73
855-M22-7140442	M22-7140442	D	8	4.4	Gold, Tin	Double Row	1.08	.98	.87
855-M22-7140542	M22-7140542	D	10	4.4	Gold, Tin	Double Row	1.15	1.05	.92
855-M22-7140642	M22-7140642	D	12	4.4	Gold, Tin	Double Row	1.28	1.16	1.02
855-M22-7141042	M22-7141042	D	20	4.4	Gold, Tin	Double Row	2.11	1.91	1.69
855-M22-7141442	M22-7141442	D	28	4.4	Gold, Tin	Double Row	2.55	2.31	2.04
855-M22-7142042	M22-7142042	D	40	4.4	Gold, Tin	Double Row	3.45	3.14	2.76
855-M22-6340342	M22-6340342	E	6	4.5	Gold, Tin	Double Row, SMT	.63	.58	.55
855-M22-6340442	M22-6340442	E	8	4.5	Gold, Tin	Double Row, SMT	.84	.76	.73
855-M22-6340542	M22-6340542	E	10	4.5	Gold, Tin	Double Row, SMT	.95	.86	.81
855-M22-6340642	M22-6340642	E	12	4.5	Gold, Tin	Double Row, SMT	1.03	.94	.89
855-M22-6341042	M22-6341042	E	20	4.5	Gold, Tin	Double Row, SMT	1.65	1.50	1.43
855-M22-6341442	M22-6341442	E	28	4.5	Gold, Tin	Double Row, SMT	2.26	2.06	1.95
855-M22-6342042	M22-6342042	E	40	4.5	Gold, Tin	Double Row, SMT	3.19	2.90	2.76

2MM CRIMP HOUSINGS

- Moulding Material: Nylon, UL94V-2
- Contact Material: Phosphor Bronze
- Current Rating: 2A per single contact, 1A all contacts
- Plating: Gold, Tin
- Voltage Rating: 250V AC/DC
- Contact Resistance: 30 mΩ max
- Insulation resistance: 100 MΩ min
- RoHS Compliant per Harwin Documentation

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	No. of Positions	Description	Price Each		
					1	10	25
855-M22-3010200	M22-3010200	F	2	Single Row	.19	.18	.17
855-M22-3010300	M22-3010300	F	3	Single Row	.21	.20	.19
855-M22-3010400	M22-3010400	F	4	Single Row	.30	.27	.24
855-M22-3010500	M22-3010500	F	5	Single Row	.33	.30	.26
855-M22-3010600	M22-3010600	F	6	Single Row	.35	.32	.28
855-M22-3011000	M22-3011000	F	10	Single Row	.50	.46	.40
855-M22-3011400	M22-3011400	F	14	Single Row	.60	.55	.48
855-M22-3012000	M22-3012000	F	20	Single Row	.80	.73	.64
855-M22-3020200	M22-3020200	G	4	Double Row	.24	.22	.21
855-M22-3020300	M22-3020300	G	6	Double Row	.35	.32	.28
855-M22-3020400	M22-3020400	G	8	Double Row	.40	.36	.32
855-M22-3020500	M22-3020500	G	10	Double Row	.48	.43	.38
855-M22-3020600	M22-3020600	G	12	Double Row	.56	.50	.44
855-M22-3021000	M22-3021000	G	20	Double Row	.80	.73	.64
855-M22-3021400	M22-3021400	G	28	Double Row	1.08	.97	.86
855-M22-3022000	M22-3022000	G	40	Double Row	1.48	1.34	1.18

RoHS Compliant

2MM FEMALE CRIMP CONTACTS

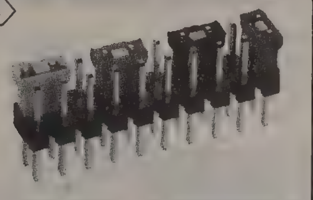
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Harwin Part No.	Fig.	Plating	Wire Size	Price Each		
					1	10	25
855-M22-3050042	M22-3050042	H	Gold, Tin	24-30 AWG	.25	.16	.13
855-M22-3050046	M22-3050046	H	Tin	24-30 AWG	.23	.15	.12

CRIMP TOOL FOR USE WITH M22 CONTACTS

MOUSER STOCK NO.	Harwin Part No.	Description	Price Each
855-Z22-020	Z22-020	2mm Hand Crimp Tool	350.01

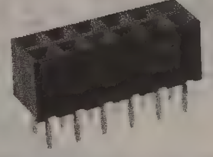
A



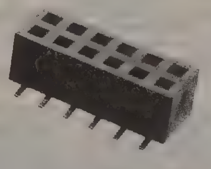
B

C

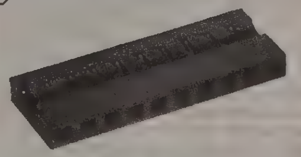
D



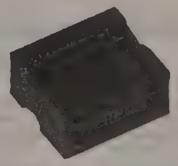
E



F



G



H

JAE Surface Mount Connectors

RoHS Compliant This page of product is compliant.

FF02 SERIES: 0.30MM SMT BOARD-TO-FLEX CONNECTORS

Features:
- Low profile 1.2mm above board
- CAM Locking Structure makes FPC lining unnecessary and helps to absorb shock caused by fall resulting in much higher mating reliability

Specifications:
- FPC type: 0.3mm pitch, 0.12mm thickness with reinforcement
- Curemt Rating: AC/DC 0.35A per contact
- Dielectric Withstanding Voltage: AC 250 V rms per minute
- Voltage Rating: AC/DC 50V per contact
- RoHS Compliance per JAE documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-FF0235SS1	FF0235SS1	A	35	Right Angle	5.49	5.08	4.72	4.48
656-FF0239SS1	FF0239SS1-R3000	A	39	Right Angle	4.64	4.22	3.94	3.69
656-FF0251SS1	FF0251SS1	A	51	Right Angle	7.58	6.85	6.30	5.79
656-FF0260SS1	FF0260SS1-R3000	A	60	Right Angle	6.74	6.12	5.71	5.35

WH1 SERIES: 0.40MM BOARD-TO-BOARD CONNECTORS

NEW FROM SUPPLIER

Features:
- Contact structure with high abrasion resistance and roll contacts with contact reliability
- Separate 2-point contact design to resist twisting stress
- Simple lock structure with assuring click response
- Solder migration countermeasure for plug and receptacle, (nickel barrier for contact)

Specifications:
- Current Rating: AC/DC 0.4 Amp per position
- Voltage Rating: AC/DC 50V
- Insulation Resistance: 100MΩ min. (initial)
- Dielectric Withstanding Voltage: AC250V rms per minute
- RoHS Compliance per JAE documentation

RoHS Compliant

Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-WH1P024WA1	WH1P024WA1	B	24	Plug, Vertical	1.49	1.24	1.19	1.13
656-WH1P030WA1	WH1P030WA1	B	30	Plug, Vertical	2.04	1.70	1.63	1.55
656-WH1P040WA1	WH1P040WA1	B	40	Plug, Vertical	2.72	2.27	2.18	2.06

Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-WH1S024WA1	WH1S024WA1	C	24	Receptacle, Vertical	1.49	1.24	1.19	1.13
656-WH1S030WA1	WH1S030WA1	C	30	Receptacle, Vertical	2.04	1.70	1.63	1.55
656-WH1S040WA1	WH1S040WA1	C	40	Receptacle, Vertical	2.16	2.06	1.96	1.85

IL-FPR SERIES: 0.50MM SMT ZIF BOARD-TO-FLEX CONNECTORS

Features:
- Low profile 2.0mm above board (Right-angle type)
- A slider enables insertion/extraction of FPC without applying force (Zero Insertion Force)
- Designed to avoid defective mating
- FPC type: 0.3mm thickness with reinforcement

Specifications:
- Current Rating: AC/DC 0.5 Amp per contact
- Dielectric Withstanding Voltage: 250 VAC rms (for one minute)
- RoHS Compliance per JAE documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-IL-FPR-6S-HF-N1	IL-FPR-6S-HF-N1	D	6	Right Angle	1.36	1.13	1.09	1.03
656-IL-FPR-10S-HF-N1	IL-FPR-10S-HF-N1	D	10	Right Angle	.94	.90	.86	.82
656-IL-FPR-12S-HF-N1	IL-FPR-12S-HF-N1	D	12	Right Angle	1.58	1.32	1.26	1.20
656-IL-FPR-18S-HF-N1	IL-FPR-18S-HF-N1	D	18	Right Angle	1.86	1.55	1.49	1.41
656-IL-FPR-20S-HF-N1	IL-FPR-20S-HF-N1	D	20	Right Angle	1.94	1.62	1.55	1.47
656-IL-FPR-26S-HF-N1	IL-FPR-26S-HF-N1	D	26	Right Angle	1.24	1.03	.99	.94
656-IL-FPR-28S-HF-N1	IL-FPR-28S-HF-N1	D	28	Right Angle	2.34	1.95	1.87	1.77
656-IL-FPR-30S-HF-N1	IL-FPR-30S-HF-N1	D	30	Right Angle	2.46	2.05	1.97	1.86
656-IL-FPR-32S-HF-N1	IL-FPR-32S-HF-N1	D	32	Right Angle	2.23	2.13	2.00	1.91
656-IL-FPR-33S-HF-N1	IL-FPR-33S-HF-N1	D	33	Right Angle	2.74	2.28	2.19	2.08
656-IL-FPR-40S-HF-N1	IL-FPR-40S-HF-N1	D	40	Right Angle	3.34	2.78	2.67	2.53
656-L-FPR-50S-HF-N1	IL-FPR-50S-HF-N1	D	50	Right Angle	4.32	3.60	3.46	3.27

FA5 SERIES: 0.50MM SMT FPC BOARD-TO-FLEX CONNECTORS

Features:
- Low profile connector for PCB-to-FPC
- ZIF structure for easy insertion and removal of FPC
- Hold down structure with winding and strain protection
- Connector mounting height 1.45mm(.057"), low profile structure

Specifications:
- Current Rating: 0.8 Amp per contact
- Dielectric Withstanding Voltage: 250 VAC rms (for one minute)
- RoHS Compliance per JAE documentation

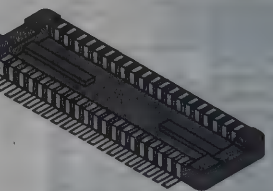
RoHS Compliant

For quantities of 100 and up, call for quote.

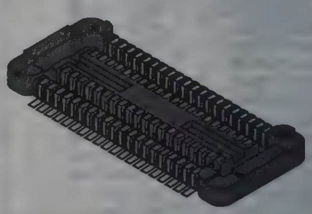
MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-FA5S010HP1	FA5S010HP1	E	10	SMT, Right Angle	3.75	3.41	3.13	2.89
656-FA5S020HP1	FA5S020HP1	E	20	SMT, Right Angle	4.98	4.53	4.15	3.83
656-FA5S030HP1	FA5S030HP1	E	30	SMT, Right Angle	6.08	5.53	5.07	4.69
656-FA5S036HP1	FA5S036HP1	E	36	SMT, Right Angle	7.25	6.60	6.03	6.35
656-FA5S040HP1	FA5S040HP1	E	40	SMT, Right Angle	7.34	6.68	6.12	5.65
656-FA5S050HP1	FA5S050HP1	E	50	SMT, Right Angle	10.28	9.35	8.57	7.41
656-FA5B020HP1	FA5B020HP1	E	20	Bottom Mount, Right Angle	3.97	3.78	3.55	3.40
656-FA5B030HP1	FA5B030HP1	E	30	Bottom Mount, Right Angle	5.90	5.36	4.91	4.54
656-FA5B040HP1	FA5B040HP1	E	40	Bottom Mount, Right Angle	7.83	7.12	6.53	6.03

A

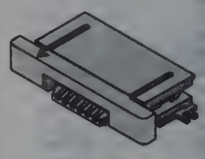
B



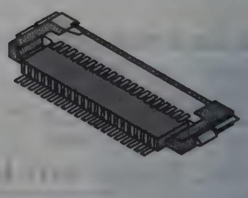
C



D



E



FA5B Series Illustrated

JAE Surface Mount Connectors

RoHS Compliant **This page of product is compliant.**

WR SERIES 0.50MM LOW PROFILE SMT BOARD-TO-BOARD CONNECTORS

- For connection between parallel boards spaced 4 to 9mm
- Ribbon type contacts ensure reliable electrical continuity, resisting twisting force of coupling
- RoHS Compliance per JAE documentation
- Current Rating: 0.3A
- Operating Temperature: -40° to +85°C

RoHS Compliant

Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-WR-30S-VFH30-N1	WR-30S-VFH30-N1	A	30	7mm height	2.56	2.13	2.05	1.94
656-WR-40S-VFH30-N1	WR-40S-VFH30-N1	A	40	7mm height	3.32	2.77	2.66	2.52
656-WR-40S-VF-N1	WR-40S-VF-N1	A	40	4mm height	2.74	2.28	2.19	2.08
656-WR-50S-VF-N1	WR-50S-VF-N1	A	50	4mm height	3.72	3.54	3.33	3.19
656-WR-80S-VF-N1	WR-80S-VF-N1	A	80	4mm height	5.52	5.25	4.94	4.73
656-WR-80SB-VF-N1	WR-80SB-VF-N1	A	80	4mm height	4.98	4.15	3.98	3.77
656-WR-100S-VF-N1	WR-100S-VF-N1	A	100	4mm height	7.45	7.10	6.67	6.39
656-WR-120S-VF-N1	WR-120S-VF-N1	A	120	4mm height	5.32	4.43	4.26	4.03
656-WR-120SB-VF-N1	WR-120SB-VF-N1	A	120	4mm height	7.26	6.05	5.81	5.50
656-WR-160SB-VF-N1	WR-160SB-VF-N1	A	160	4mm height	9.40	7.83	7.52	7.12

Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-WR-30P-VF50-N1	WR-30P-VF50-N1	B	30	5mm height	2.10	1.75	1.68	1.59
656-WR-40P-VF-N1	WR-40P-VF-N1	B	40	4mm height	2.74	2.28	2.19	2.08
656-WR-40P-HFHD-A1E	WR-40P-HF-HD-A1E	B	40	4mm height, right angle	4.14	3.45	3.31	3.14
656-WR-50P-VF-N1	WR-50P-VF-N1	B	50	4mm height	3.40	3.24	3.04	2.91
656-WR-50P-VF50-N1	WR-50P-VF50-N1	B	50	4mm height	3.34	2.78	2.67	2.53
656-WR-80P-VF50-N1	WR-80P-VF50-N1	B	80	5mm height	5.67	5.40	5.07	4.86
656-WR-80PB-VF-N1	WR-80PB-VF-N1	B	80	3mm height	4.98	4.15	3.98	3.77
656-WR-100P-VF-N1	WR-100P-VF-N1	B	100	4mm height	6.56	5.47	5.25	4.97
656-WR-120P-VF-N1	WR-120P-VF-N1	B	120	4mm height	9.66	8.05	7.73	7.32
656-WR-120P-HF-HDA1E	WR-120P-HF-HD-A1E	B	120	4mm height, right angle	15.54	14.80	14.06	13.32
656-WR-120PB-VF-N1	WR-120PB-VF-N1	B	120	3mm height	11.86	10.56	9.68	8.94
656-WR-120PB-VF50-N1	WR-120PB-VF50-N1	B	120	4mm height	8.23	7.84	7.37	7.06
656-WR-160PB-VF50-N1	WR-160PB-VF50-N1	B	160	5mm height	9.40	7.83	7.52	7.12

IL-312 SERIES 0.50MM LOW PROFILE SMT BOARD-TO-BOARD CONNECTORS

- For connection between parallel boards spaced 2.5 to 3.5mm
- Black heat resistant insulators
- Contacts: Copper Alloy
- Current Rating: 0.3A
- Operating Temperature: -40° to +85°C
- For use in applications that require boards to be stacked
- RoHS Compliance per JAE documentation

RoHS Compliant

Receptacles

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-IL-312-A20S-VFA1	IL-312-A20S-VF-A1	C	20	2.15mm height	1.68	1.40	1.34	1.27
656-IL-312-A40S-VFA1	IL-312-A40S-VF-A1	C	40	2.15mm height	1.36	1.13	1.09	1.03
656-IL-312-A50S-VFA1	IL-312-A50S-VF-A1	C	50	2.15mm height	3.34	2.78	2.67	2.53
656-IL-312-A70S-VFA1	IL-312-A70S-VF-A1	C	70	2.15mm height	3.72	3.54	3.33	3.19
656-IL-312-A80S-VFA1	IL-312-A80S-VF-A1	C	80	2.15mm height	4.98	4.15	3.98	3.77
656-IL312A100SBVFH	IL-312-A100SB-VFH05-A1	C	100	2.15mm height	4.97	4.73	4.45	4.26
656-IL-312-A100SVFA1	IL-312-A100S-VF-A1	C	100	2.15mm height	6.56	5.47	5.25	4.97
656-IL-312A100SBVFA1	IL-312-A100SB-VF-A1	C	100	2.15mm height	6.56	5.47	5.25	4.97

Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-IL-312-A20P-VFA1	IL-312-A20P-VF-A1	D	20	1.55mm height	1.68	1.40	1.34	1.27
656-IL-312-A40P-VFA1	IL-312-A40P-VF-A1	D	40	1.55mm height	1.36	1.13	1.09	1.03
656-IL-312-A50P-VFA1	IL-312-A50P-VF-A1	D	50	1.55mm height	3.34	2.78	2.67	2.53
656-IL-312-A80P-VFA1	IL-312-A80P-VF-A1	D	80	1.55mm height	4.98	4.15	3.98	3.77
656-IL312A100PVFA1	IL312-A100P-VF-A1	D	100	1.55mm height	6.56	5.96	5.46	5.20

DA1 SERIES 0.60MM SMT PCB TO CABLE CONNECTORS

- Mating Height: 3mm
- Current Rating: 0.5A
- Insulator: Black Nylon - UL94V-0
- Pin Contact: Gold Plated Copper Alloy
- Plug color: gray
- RoHS Compliance per JAE documentation

RoHS Compliant

Receptacles

For quantities of 100 and up, call for quote.

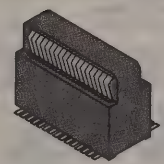
MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-DA1R010H91E	DA1R010H91E	E	10	Right Angle SMT	2.46	2.34	2.22	2.11
656-DA1R018H91E	DA1R018H91E	E	18	Right Angle SMT	2.71	2.58	2.45	2.32
656-DA1R026L91E	DA1R026L91E	E	26	Right Angle SMT	3.44	3.28	3.12	2.95

Plugs

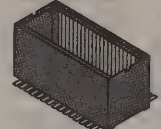
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-DA1P010M94E	DA1P010M94E	F	10	Cable (28 AWG Max)	4.68	4.46	4.24	4.01
656-DA1P018M91E	DA1P018M91E	F	18	Cable (28 AWG Max)	4.96	4.72	4.48	4.25
656-DA1P026M92E	DA1P026M92E	F	26	Cable (28 AWG Max)	5.69	5.42	5.15	4.88
656-DA1B010H91E	DA1B010H91E	G	10	Right Angle SMT	2.71	2.58	2.45	2.32
656-DA1B018H91E	DA1B018H91E	G	18	Right Angle SMT	2.96	2.82	2.68	2.54
656-DA1B026H91EE500	DA1B026H91EE500	G	26	Right Angle SMT	5.11	4.86	4.62	4.38

A

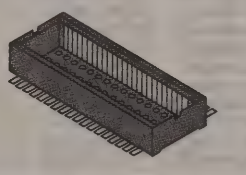


B

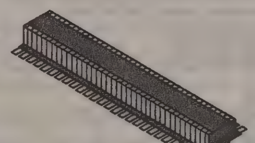


Straight Version Pictured

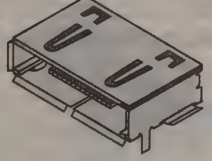
C



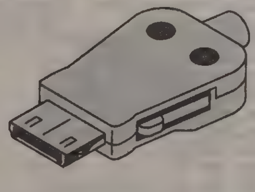
D



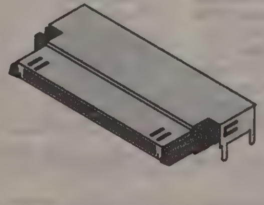
E



F



G



JAE Surface Mount Connectors

RoHS Compliant This page of product is compliant.

KX14 / KX15 SERIES 0.80MM LOW PROFILE SMT BOARD-TO-BOARD CONNECTORS

- For connection between parallel boards spaced 4 to 15mm
- Polarization key prevents mismating
- Resistant to vibration and twisting
- Contact: Copper Alloy
- Current Rating: 0.5 Amps
- Operating Temperature: -40° to +85°C
- For use in applications that require boards to be stacked
- RoHS Compliance per JAE documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
Receptacle								
656-KX14-20K2DE	KX14-20K2DE	A	20	2mm height	1.59	1.50	1.45	1.33
656-KX14-30K2DE	KX14-30K2DE	A	30	2mm height	1.92	1.74	1.60	1.48
656-KX14-40K2D-RE	KX14-40K2D-RE	A	40	2mm height	2.39	2.23	2.17	1.99
656-KX14-40K5D-RE	KX14-40K5D-RE	A	40	5mm height	2.00	1.90	1.79	1.71
656-KX14-50K11DE	KX14-50K11DE	A	50	11mm height	3.10	2.82	2.58	2.39
656-KX14-50K2D-RE	KX14-50K2D-RE	A	50	2mm height	2.90	2.63	2.41	2.23
656-KX14-50K5D-RE	KX14-50K5D-RE	A	50	5mm height	5.54	5.04	4.47	4.26
656-KX14-50K8DE	KX14-50K8DE	A	50	8mm height	2.63	2.51	2.36	2.26
656-KX14-60K2DE	KX14-60K2DE	A	60	2mm height	3.62	3.26	3.07	2.72
656-KX14-80K2DE	KX14-80K2DE	A	60	2mm height	3.88	3.70	3.48	3.33
656-KX14-80K5DE	KX14-80K5DE	A	80	5mm height	3.93	3.75	3.52	3.37
656-KX14-100K2DE	KX14-100K2DE	A	100	2mm height	5.26	4.90	4.78	4.39
656-KX14-100K11DE	KX14-100K11DE	A	100	11mm height	5.55	5.04	4.62	4.27
656-KX14-120K2DE	KX14-120K2DE	A	120	2mm height	5.10	4.86	4.57	4.37
Plug								
656-KX15-20K2DE	KX15-20K2DE	B	20	2mm height	1.59	1.50	1.45	1.33
656-KX15-20KLDLE	KX15-20KLDLE	B	20	Right Angle 5.75mm height	3.86	3.51	3.21	2.97
656-KX15-30K4DE	KX15-30K4DE	B	30	4mm height	1.77	1.68	1.58	1.51
656-KX15-30KLDLE	KX15-30KLDLE	B	30	Right Angle 5.75mm height	1.80	1.71	1.61	1.54
656-KX15-40K2D-RE	KX15-40K2D-RE	B	40	2mm height	2.20	2.00	1.84	1.69
656-KX15-40K3DE	KX15-40K3DE	B	40	3mm height	2.69	2.51	2.45	2.24
656-KX15-40K4D-RE	KX15-40K4D-RE	B	40	4mm height	2.64	2.44	2.23	2.07
656-KX15-50K2DE	KX15-50K2DE	B	50	2mm height	3.16	2.95	2.87	2.64
656-KX15-50K4DE	KX15-50K4DE	B	50	4mm height	5.06	4.71	4.60	4.22
656-KX15-60K2DE	KX15-60K2DE	B	60	2mm height	3.69	3.36	3.08	2.84
656-KX15-60K3DE	KX15-60K3DE	B	60	3mm height	3.75	3.50	3.41	3.13
656-KX15-80K3DE	KX15-80K3DE	B	80	3mm height	4.81	4.48	4.38	4.01
656-KX15-100K2DE	KX15-100K2DE	B	100	2mm height	5.79	5.40	5.27	4.83
656-KX15-100K4DE	KX15-100K4DE	B	100	4mm height	5.85	5.32	4.88	4.50

FI-X SERIES 1.0MM PCB BOARD-TO-FLEX CONNECTORS

- Improved ground condition which is directly related to EMI characteristics
- Compatible with high-speed differential transmission and high-level impedance matching (90Ω to 100Ω)
- Current Rating: AC/DC 1 Amp per contact
- Bottom type structure provides 1.5mm (.059") connector height and 1mm (.039") height above the PCB
- RoHS Compliance per JAE documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
Plugs								
656-FI-X30H	FI-X30H	C	30	Crimp, Housing	2.35	2.16	1.97	1.79
656-FI-X30M-NPB	FI-X30M-NPB	C	30	ZIF, Cable Side	5.98	5.57	5.43	4.98
Receptacles								
656-FI-X30SSL-HF	FI-X30SSL-HF	D	30	Right Angle	10.24	8.53	8.19	7.76
656-FI-XB30SRLHF11	FI-XB30SRL-HF11	D	30	Right Angle Sunken	11.06	9.22	8.85	8.38
Contacts								
656-FI-XC3-1-15000	FI-XC3-1-15000	-	-	Crimp Contacts 30-36 AWG	.08	.07	.06	.05

TOOLS

For quantities of 5 and up, call for quote.

656-CT150-4C-FIX	CT150-4C-FIX	Hand Crimp Tool	1367.40

FI-E SERIES 1.0MM PCB TO CABLE CONNECTORS

- Alignment guide allows for blind mating
- Current Rating: AC/DC 1 Amp per contact
- RoHS Compliance per JAE Documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
656-FI-E30HL	FI-E30HL	C	30	Crimp, Cable Side Plug	5.12	4.77	4.65	4.27
656-FI-E30S	FI-E30S	D	30	Right Angle Receptacle	6.79	6.18	5.66	5.23

IL-Z SERIES 1.25MM SMT PCB TO CABLE CRIMP CONNECTORS

- Low Profile, 3.45mm above board
- Pin headers suited for automatic packaging
- Crimp to wire sockets
- Operating Temperature: -40° to +70°C
- RoHS Compliance per JAE documentation
- Current Rating: 1 A
- AWG Range: 28-30
- Crimp contacts sold separately

RoHS Compliant

For quantities of 100 and up, call for quote.

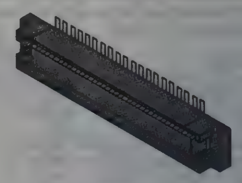
656-IL-Z-2PL-SMTYE	IL-Z-2PL-SMTYE	E	2	Right Angle SMT Pin Header	.29	.28	.27	.25
656-IL-Z-5PL-SMTYE	IL-Z-5PL-SMTYE	E	5	Right Angle SMT Pin Header	.38	.36	.35	.32
656-IL-Z-6PL-SMTYE	IL-Z-6PL-SMTYE	E	6	Right Angle SMT Pin Header	.40	.36	.33	.31
656-IL-Z-7PL-SMTYE	IL-Z-7PL-SMTYE	E	7	Right Angle SMT Pin Header	.40	.36	.33	.31
656-IL-Z-8PL-SMTYE	IL-Z-8PL-SMTYE	E	8	Right Angle SMT Pin Header	.44	.40	.37	.34
656-IL-Z-9PL-SMTYE	IL-Z-9PL-SMTYE	E	9	Right Angle SMT Pin Header	.44	.42	.40	.38
656-IL-Z-10PL-SMTYE	IL-Z-10PL-SMTYE	E	10	Right Angle SMT Pin Header	.48	.46	.44	.40
656-IL-Z-12PL-SMTYE	IL-Z-12PL-SMTYE	E	12	Right Angle SMT Pin Header	.50	.48	.46	.43
656-IL-Z-13PL-SMTYE	IL-Z-13PL-SMTYE	E	13	Right Angle SMT Pin Header	.50	.47	.45	.42
656-IL-Z-15PL-SMTYE	IL-Z-15PL-SMTYE	E	15	Right Angle SMT Pin Header	.53	.50	.48	.44
656-IL-Z-2S-S125C3	IL-Z-2S-S125C3	F	2	Socket Housing	.10	.09	.08	.07
656-IL-Z-5S-S125C3	IL-Z-5S-S125C3	F	5	Socket Housing	.10	.09	.08	.07
656-IL-Z-6S-S125C3	IL-Z-6S-S125C3	F	6	Socket Housing	.10	.09	.08	.07
656-IL-Z-7S-S125C3	IL-Z-7S-S125C3	F	7	Socket Housing	.13	.12	.11	.10
656-IL-Z-8S-S125C3	IL-Z-8S-S125C3	F	8	Socket Housing	.12	.11	.10	.09
656-IL-Z-9S-S125C3	IL-Z-9S-S125C3	F	9	Socket Housing	.12	.11	.10	.09
656-IL-Z-10S-S125C3	IL-Z-10S-S125C3	F	10	Socket Housing	.13	.12	.11	.10
656-IL-Z-12S-S125C3	IL-Z-12S-S125C3	F	12	Socket Housing	.14	.13	.12	.11
656-IL-Z-15S-S125C3	IL-Z-15S-S125C3	F	15	Socket Housing	.18	.17	.16	.15
Contacts								
656-IL-Z-C3-A-15000	IL-Z-C3-A-15000	-	-	Crimp Contacts 28-30 AWG	.05	.05	.05	.04

TOOLS

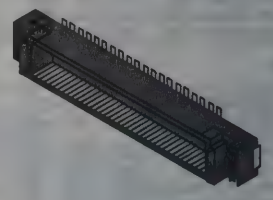
For quantities of 5 and up, call for quote.

656-CT150-4C-ILZ	CT150-4C-ILZ	Hand Crimp Tool	977.70

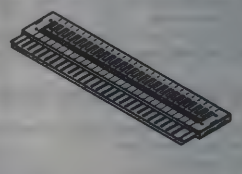
A



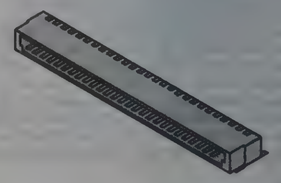
B



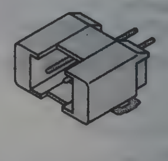
C



D



E



F

This page of product is compliant.

FI SERIES 1.25MM SMT PCB TO CABLE CONNECTORS

- High density connectors for board to cable connections
- Friction Lock Housing
- FPC Versions Available
- Current Rating: 1 A
- Operating Temperature: -40° to +80°C
- Crimp contacts sold separately

Single Row Surface Mount

RoHS Compliant

- RoHS Compliance per JAE documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
Receptacles								
656-FI-S4P-HFE	FI-S4P-HFE	A	4	Right Angle	1.56	1.30	1.25	1.18
656-FI-S5P-HFE	FI-S5P-HFE	A	5	Right Angle	1.56	1.30	1.25	1.18
656-FI-S6P-HFE	FI-S6P-HFE	A	6	Right Angle	1.30	1.24	1.16	1.11
656-FI-S10P-HFE	FI-S10P-HFE	A	10	Right Angle	1.82	1.52	1.46	1.38
656-FI-S20P-HFE	FI-S20P-HFE	A	20	Right Angle	2.66	2.22	2.13	2.02
656-FI-SE20-HFE	FI-SE20P-HFE	A	20	Right Angle	3.20	2.91	2.67	2.47
656-FI-SE30P-HFE	FI-SE30P-HFE	A	30	Right Angle	9.60	8.00	7.68	7.27
Plugs								
656-FI-S4S	FI-S4S	B	4	Crimp	.54	.45	.43	.41
656-FI-S5S	FI-S5S	B	5	Crimp	.70	.58	.56	.53
656-FI-S10S	FI-S10S	B	10	Crimp	.84	.70	.67	.64
656-FI-S20S	FI-S20S	B	20	Crimp	.98	.82	.78	.74
656-FI-SE20ME	FI-SE20ME	B	20	Cable Side	5.36	4.47	4.29	4.06
656-FI-S30S	FI-S30S	B	30	Crimp	1.28	1.07	1.02	.97

Double Row Surface Mount

- RoHS Compliance per JAE documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
Receptacles								
656-FI-TWE21P-VF	FI-TWE21P-VF-E1400	C	21	Vertical (Shielded)	5.76	5.36	5.23	4.80
656-FI-WE21P-HFE	FI-WE21P-HFE	D	21	Right Angle	6.98	6.65	6.25	5.99
656-FI-TWE31PB-VF	FI-TWE31PB-VF	C	31	Vertical	11.46	9.55	9.17	8.68
656-FI-WE31P-HFE	FI-WE31P-HFE	D	31	Right Angle	8.74	7.28	6.99	6.62
656-FI-W31P-HFE	FI-W31P-HFE	D	31	Right Angle	4.96	4.13	3.97	3.76
656-FI-W41P-HFE	FI-W41P-HFE	D	41	Right Angle	5.90	4.92	4.72	4.47
656-FI-WE41P-HFE	FI-WE41P-HFE	D	41	Right Angle	10.22	8.52	8.18	7.74
Plugs								
656-FI-W21S	FI-W21S	E	21	Crimp	1.12	.93	.90	.85
656-FI-W31S	FI-W31S	E	31	Crimp	1.28	1.07	1.02	.97
656-FI-WE31MA1	FI-WE31MA1	E	31	Cable	7.32	6.10	5.86	5.55
656-FI-W41S	FI-W41S	E	41	Crimp	1.42	1.18	1.14	1.08

Contacts

- RoHS Compliance per JAE documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Description	Price Each			
			1	10	25	50
656-FI-C3-A1-15000	FI-C3-A1-15000	Crimp Contacts 28-32 AWG	.10	.09	.08	.07

Tools

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Description	Price Each
656-CT150-4C-FI	CT150-4C-FI	Hand Crimp Tool	984.53

TX24 / TX25 SERIES 1.27MM OC BOARD TO PC BOARD CONNECTORS

For connections between parallel boards spaced between 12 to 24mm (2mm increments). Rugged with mating guide suitable for mounting on rack or panel. Ribbon type contacts ensures reliable electrical continuity, resisting twisting force of coupling. Suitable for applications such as: computers, OA equipment, communications equipment, measuring instruments, factory automation equipment, etc....

Specifications:

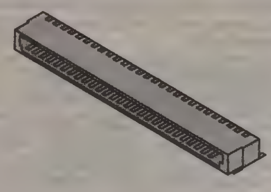
- Current rating: 1Amp
- Mating side contact finish: Gold over nickel
- Withstanding voltage: 500VAC r.m.s. (for 1 minute) (initial) or 250VAC r.m.s. (for 1 minute) (after stress)
- Through-hole
- Operating temperature: -40°C to +80°C
- Insulation resistance: 100MΩ min. (initial) or 10MΩ min. (after stress)
- Contact resistance: 40mΩ max. (initial) or 60mΩ max. (after stress)
- RoHS Compliance per JAE documentation

RoHS Compliant

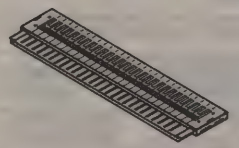
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	Pos.	Description	Price Each			
					1	10	25	50
Receptacles								
656-TX24-40R-LT-H1E	TX24-40R-LT-H1E	F	40	Right-angle, with hook	1.11	1.06	1.01	.95
656-TX24-50R-LT-H1E	TX24-50R-LT-H1E	F	50	Right-angle, with hook	1.37	1.30	1.23	1.16
656-TX24-60R-LT-H1E	TX24-60R-LT-H1E	F	60	Right-angle, with hook	1.17	1.11	1.04	1.00
656-TX24-100R-LT-H1E	TX24-100R-LT-H1E	F	100	Right-angle, with hook	2.10	1.89	1.79	1.69
Plugs								
656-TX25-30P-LT-H1E	TX25-30P-LT-H1E	G	30	Right-angle, with hook	.86	.82	.77	.73
656-TX25-40P-LT-H1E	TX25-40P-LT-H1E	G	40	Right-angle, with hook	1.11	1.06	1.01	.95
656-TX25-60P-LT-H1E	TX25-60P-LT-H1E	G	60	Right-angle, with hook	1.76	1.50	1.38	1.31
656-TX25-100P-LT-H1E	TX25-100P-LT-H1E	G	100	Right-angle, with hook	2.48	2.07	1.96	1.90

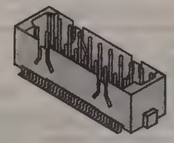
A



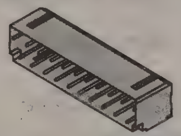
B



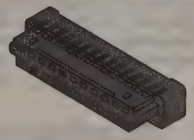
C



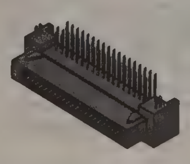
D



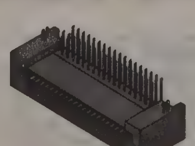
E



F



G



SIM and DIMM Sockets and Memory Card Connectors

This page of product is compliant.

MM50 SO-DIMM SMT SOCKETS & WA6 DDR2 MICRODIMM SOCKETS

- MM50 Series is designed for laptop PC memories in compliance with JEDEC standards MO-224 for 200 contact DDR-SO-DIMM
- MM50 Voltage: 2.5V
- WA6 Series is the new DDR2 microDimm standard
- RoHS Compliance per JAE documentation
- WA6 Series Current Rating: 0.3 A

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	10	25	50	100
656-MM50-200B1-1E	MM50-200B1-1E	A	200	DIMM Socket, 2.5V	2.94	2.67	2.45	2.26	2.12
656-MM50-200B11RE	MM50-200B1-1RE	A	200	DIMM Socket Reversed, 2.5V	3.15	3.00	2.85	2.70	2.55
656-MM50-200B2-1E	MM50-200B2-1E	A	200	DIMM Socket, 1.8V	2.95	2.74	2.68	2.45	2.27
656-MM50-200B21RE	MM50-200B2-1RE	A	200	DIMM Socket Reversed, 1.8V	2.88	2.74	2.60	2.47	2.33
656-WA6F214VATR500	WA6F214VATR500	B	214	Female, DDR2 microDIMM Socket	11.00	10.00	9.32	8.73	8.09

PX10 /PX11 SERIES PCI-EXPRESS CARD CONNECTORS

- Conforms to Express Card Standard (Rev. 1.0)
- Standard for next generation cards standardized by the PCMCIA
- Rated Current: 0.75A/ per pin
- RoHS Compliance per JAE documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	10	25	50	100
656-PX10FS02PH	PX10FS02PH	C	26	Express Card Cage 34mm/54mm	4.77	4.54	4.31	4.09	3.86
656-PX11-FS16NH	PX11FS16NH	D	26	Express Card Cage 34mm	10.92	9.93	9.10	8.40	7.92

SF2, SF7 AND SF9 SIM CARD SMT CONNECTORS

- Supports GSM 11.11 standard compliant plug-in SIM Card
- RoHS Compliance per JAE documentation

∗Super low profile with a height of 0.5mm from the board
∗∗Easy operation hinge slide lock mechanism
† Space saving tray type design

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	10	25	50	100
∗656-SF2W006S4KE3000	SF2W006S4KE3000	E	6	SMT SIM Contact Block	.67	.63	.60	.57	.54
∗∗656-SF7W006S1AE1000	SF7W006S1AE1000	F	6	2.3mm height	1.84	1.67	1.53	1.41	1.32
∗∗656-SF7W008S1AE900	SF7W008S1AE900	F	8	2.5mm height w/card detection switch	2.08	1.89	1.73	1.60	1.43
† 656-SF9W006S4AR1200	SF9W006S4AR1200	G	6	1.8mm Height, Connector only	1.42	1.31	1.22	1.14	1.04
† 656-SF9W006S4BR1200	SF9W006S4BR1200	H	6	1.8mm Height, Connector only (SUB PCB)	1.42	1.31	1.22	1.14	1.04
† 656-SF9-STS1-A	SF9-STS1-A	G	N	Tray only, A type	.34	.32	.31	.29	.27
† 656-SF9-STR1-B	SF9-STR1-B	H	N	Tray only, B type	.34	.32	.31	.29	.27

SC1, SC2, SG3, SG5, ST1, AND ST2 SMALL MEMORY CARD CONNECTORS

- Small and low profile connectors
- Contact Resistance: 100mΩ or less
- Push-push structure to minimize space
- Rated Current: 0.5A
- RoHS Compliance per JAE documentation
- Insulation Resistance: 1000MΩ or more

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	10	25	50	100
656-SC1S011V1S2	SC1S011V1S2	I	11	miniSD™ Push/Push	1.89	1.72	1.58	1.46	1.30
656-SC2S011V1R1R500	SC2S011V1R1R500	J	11	miniSD™ Push/Push Reverse Mount	3.46	3.29	3.11	2.94	2.77
656-SC2S011V1S1R500	SC2S011V1S1R500	J	11	miniSD™ Push/Push Std. Mount	3.46	3.29	3.11	2.94	2.77
656-SG5S009V1A1	SG5S009V1A1	K	13	SD Card Socket Push/Push Top Mount	2.49	2.26	2.07	1.91	1.78
656-SG5S009V1D2	SG5S009V1D2	K	13	SD Card Socket Push/Push Bottom Mount	2.98	2.71	2.48	2.29	2.13
656-ST1W008S4AR1500	ST1W008S4AR1500	L	8	microSD™ Push-slide Hinge Type	1.30	1.18	1.09	1.00	.93
656-ST2S008V1AR1500	ST2S008V1AR1500	L	8/signal 2/D-SW	microSD™ Push/Push with D-S/W for Card Detection	1.67	1.52	1.39	1.29	1.19

JC22 SERIES PC CARD STANDARD TYPE I/II CONNECTORS

- DIP type-standard mounting and frame integrated structure
- Standoff height in 5mm and 17mm for effective utilization of mounting space and heat radiation
- Rated Current: 0.5A per pin
- RoHS Compliance per JAE documentation

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	10	25	50	100
656-JC22-S5	JC22-S5	M	68	5mm standoff w/ ground plate w/o shell	5.14	4.67	4.36	4.08	3.78
656-JC22-S5N	JC22-S5N	M	68	5mm standoff w/o ground plate and shell	4.62	4.20	3.92	3.67	3.40
656-JC22-S17D	JC22-S17D	M	68	17mm standoff w/ ground plate and shell	4.88	4.07	3.90	3.70	3.49
656-JC22-S17N	JC22-S17N	M	68	17mm standoff w/o ground plate and shell	3.28	2.98	2.78	2.60	2.41

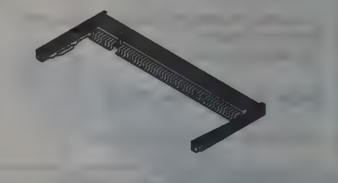
JC26 SERIES COMPACTFLASH® TYPE I/II CONNECTORS

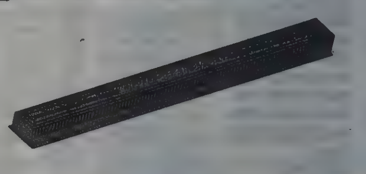
- Slot mechanism compliant with CFA (Compact Flash Association) Type I/II Card
- Designed with spring-loaded mechanism to prevent card from coming out
- RoHS Compliance per JAE documentation
- 1.6mm Stand-Off option: 7.4mm height on board

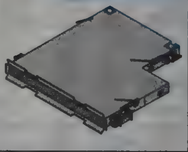
RoHS Compliant

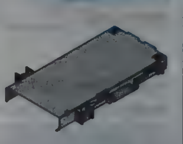
For quantities of 250 and up, call for quote.

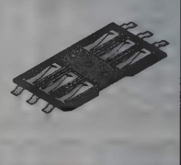
MOUSER STOCK NO.	JAE Part No.	Fig.	No. of Circuits	Description	Price Each				
					1	10	25	50	100
656-JC26A-BB16E	JC26A-BB16E	N	50	Side pin connector without frame, 1.6mm Stand-Off	3.10	2.77	2.60	2.40	2.23
656-JC26A-BBE	JC26A-BBE	N	50	Side pin connector without frame, with Boss	3.10	2.77	2.60	2.40	2.23
656-JC26C2-DRRE	JC26C2-DRRE	N	50	Side pin connector with frame, Reverse Mount	4.68	4.46	4.24	4.01	3.79
656-JC26C2-FSH16E	JC26C2-FSH16E	N	50	Left fixed button, 1.6mm Stand-Off	3.32	3.16	3.00	2.84	2.69
656-JC26C2-FSL16E	JC26C2-FSL16E	N	50	Left bendable button, 1.6mm Stand-Off	4.83	4.60	4.33	4.14	4.03
656-JC26E-BBE	JC26E-BBE	N	50	Side pin connector without frame, with Boss	2.33	2.12	1.95	1.80	1.66
656-JC26E-DSRE	JC26E-DSRE	N	50	Side pin connector with frame, Top Mount	6.63	6.03	5.53	5.10	4.74

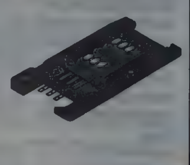
A


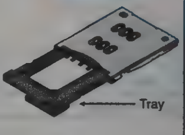
B


C
NEW FROM SUPPLIER


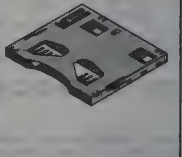
D
NEW FROM SUPPLIER


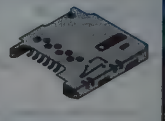
E


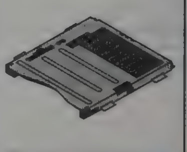
F


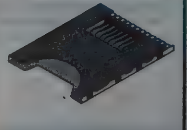
G
NEW FROM SUPPLIER


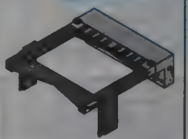
H
NEW FROM SUPPLIER

I


J
NEW FROM SUPPLIER


K


L
NEW FROM SUPPLIER


M
NEW FROM SUPPLIER


N

MILL-MAX In-line Sockets and Headers

1.25mm / .050" INTERCONNECTS

- May be cut to length
- Sockets: 200µ" Tin plated sleeve/ 30µ" Gold plated contact
- Headers: 10µ" Gold Plated
- High temp insulators, for all soldering operations
- Tail Type: Solder
- .016" Diameter Pins
- Voltage: 3A

RoHS Compliant

∗ RoHS Compliant per Mill-Max documentation.

Single Row

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	No. of Cont.	Price Each		
						1	10	100
575-500101	850-10-050-10-001000	A	Straight Header	Solder	50	7.76	6.93	5.61
575-501101	851-93-050-10-001000	B	Straight Socket	Solder	50	10.15	9.06	7.33
∗575-8514305010	851-43-050-10-001000	B	Straight Socket	Solder	50	10.81	9.65	7.82
575-500201	850-10-050-20-001000	C	Rt. Angle Header	Solder	50	9.94	8.88	7.18
575-501201	851-93-050-20-001000	D	Rt. Angle Socket	Solder	50	12.54	11.21	9.07
∗575-8514305020	851-43-050-20-001000	D	Rt. Angle Socket	Solder	50	13.42	11.99	9.70
575-500301	850-10-050-30-001000	E	Surf. Mnt. Header	Solder	50	10.66	9.51	7.70
575-501301	851-93-050-30-001000	F	Surf. Mnt. Socket	Solder	50	13.18	11.78	9.53
∗575-8514305030	851-43-050-30-001000	F	Surf. Mnt. Socket	Solder	50	14.14	12.64	10.23

Double Row

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	No. of Cont.	Price Each		
						1	10	100
575-002101	852-10-100-10-001000	G	Straight Header	Solder	2x50	15.45	13.80	11.17
575-003101	853-93-100-10-001000	H	Straight Socket	Solder	2x50	20.22	18.06	14.62
∗575-8534310010	853-43-100-10-001000	H	Straight Socket	Solder	2x50	21.54	19.25	15.58
575-002201	852-10-100-20-001000	I	Rt. Angle Header	Solder	2x50	19.97	17.84	14.43
575-003201	853-93-100-20-001000	J	Rt. Angle Socket	Solder	2x50	25.13	22.44	18.16
∗575-8534310020	853-43-100-20-001000	J	Rt. Angle Socket	Solder	2x50	26.87	24.00	19.43
575-002301	852-10-100-30-001000	K	Surf. Mnt. Header	Solder	2x50	19.56	17.47	14.14

2.00mm / .079" INTERCONNECTS

- May be cut to length
- Sockets: 200µ" Tin plated sleeve/ 30µ" Gold plated contact
- Headers: 10µ" Gold Plated
- High temp insulators, for all soldering operations
- Tail Type: Solder
- .019" Diameter Pins

RoHS Compliant

∗ RoHS Compliant per Mill-Max documentation.

Single Row

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	No. of Cont.	Price Each		
						1	10	100
575-205030	830-10-050-10-001000	L	Straight Header	Solder	50	8.30	7.91	5.87
575-205031	831-93-050-10-001000	M	Straight Socket	Solder	50	5.70	5.44	4.03
∗575-8314305010	831-43-050-10-001000	M	Straight Socket	Solder	50	5.95	5.68	4.20
575-205831	831-93-050-30-001000	N	Surf. Mnt. Socket	Solder	50	7.16	6.40	5.17
∗575-8314305030	831-43-050-30-001000	N	Surf. Mnt. Socket	Solder	50	7.63	6.82	5.51

Double Row

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	No. of Cont.	Price Each		
						1	10	100
575-200032	832-10-100-10-001000	O	Straight Header	Solder	2x50	12.21	10.91	8.83
575-200033	833-93-100-10-001000	P	Straight Socket	Solder	2x50	8.25	7.37	5.96
∗575-8334310010	833-43-100-10-001000	P	Straight Socket	Solder	2x50	8.61	7.70	6.23
575-200832	832-10-100-30-001000	Q	Surf. Mnt. Header	Solder	2x50	17.41	15.55	12.59

.100" SINGLE-IN-LINE SOCKETS

- Solder tail, single row
- Contact: 30µ" Gold
- Sleeve: 30µ" Gold or 200µ" Tin
- High-Rel 4-finger contacts are rated at 3A
- Sockets accept .015-.025" dia. pins and standard IC leads

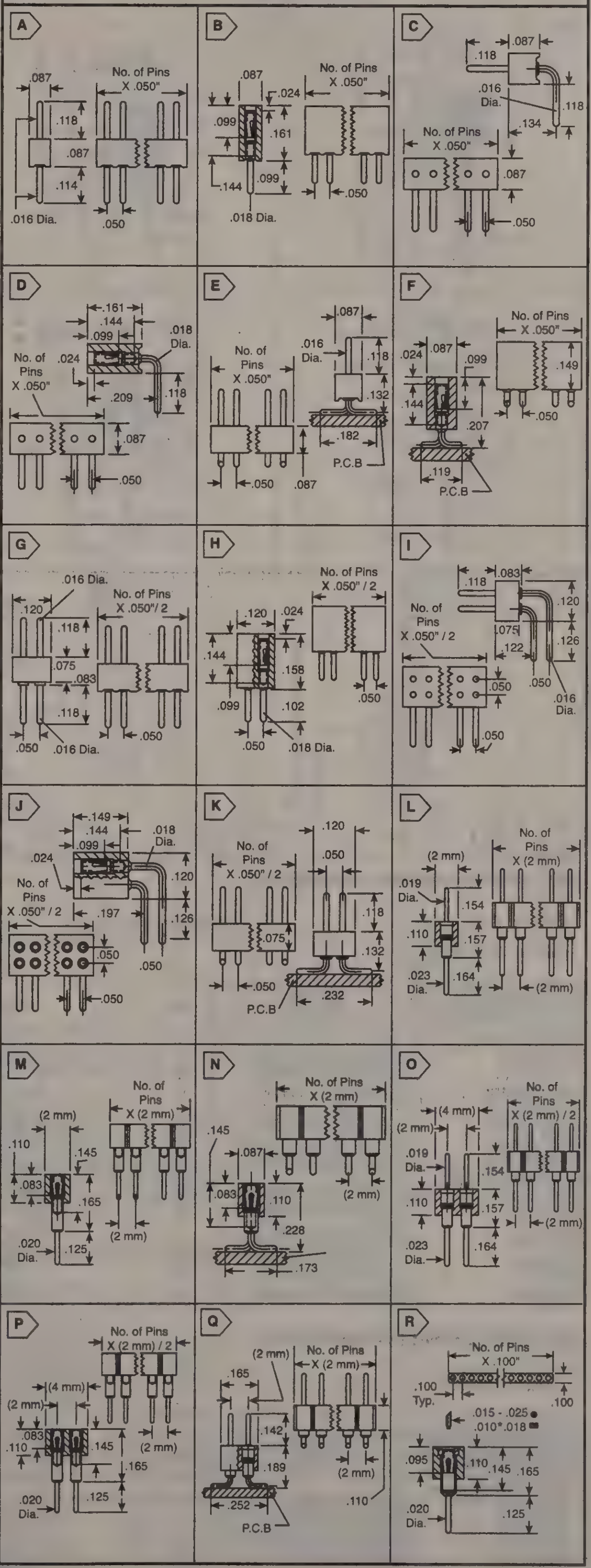
RoHS Compliant

∗ RoHS Compliant per Mill-Max documentation.

For quantities of 500 and up, call for quote.

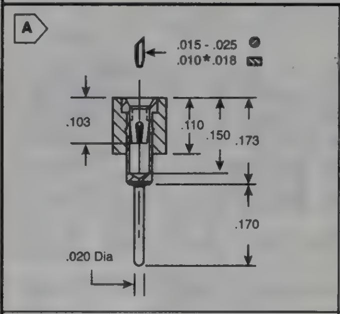
MOUSER STOCK NO.	Mill-Max Part No.	Fig.	No. of Contacts	Length (In.)	Sleeve Plating	Price Each		
						1	10	100
575-193164	310-93-164-41-001000	R	64	6.4	Tin	4.16	3.97	2.94
∗575-31043164	310-43-164-41-001000	R	64	6.4	Tin	4.38	4.17	3.10
575-113164	310-13-164-41-001000	R	64	6.4	Gold	5.33	5.16	3.83

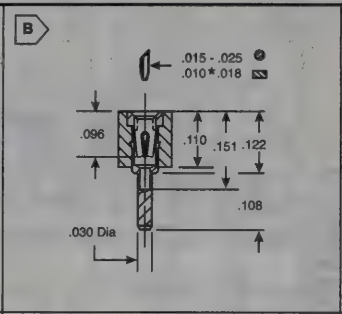
DIMENSIONS: In.

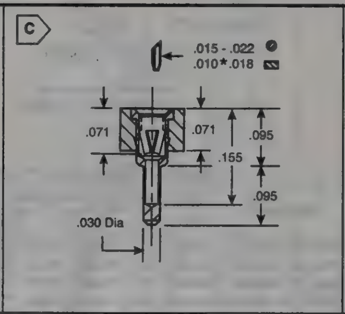

A
.087
No. of Pins X .050"
.118
.087
.114
.016 Dia.
.050
B
.087
No. of Pins X .050"
.024
.099
.161
.144
.099
.050
.018 Dia.
C
.118
.087
.016 Dia.
.118
.134
No. of Pins X .050"
.087
.050
D
.161
.144
.099
.018 Dia.
.024
No. of Pins X .050"
.209
.118
.087
.050
E
.087
.016 Dia.
No. of Pins X .050"
.118
.132
.182
P.C.B
.050
.087
F
No. of Pins X .050"
.024
.087
.099
.149
.144
.207
.050
.119
P.C.B
G
.016 Dia.
.120
No. of Pins X .050"/ 2
.118
.075
.083
.118
.050
.016 Dia.
.050
H
No. of Pins X .050" / 2
.120
.024
.144
.158
.099
.102
.050
.050
.018 Dia.
I
.118
.083
.120
No. of Pins X .050" / 2
.075
.122
.126
.050
.050
.016 Dia.
.050
J
.149
.144
.099
.018 Dia.
.024
.120
No. of Pins X .050" / 2
.197
.126
.050
.050
.050
K
.120
No. of Pins X .050" / 2
.050
.118
.075
.132
.050
.232
P.C.B
L
No. of Pins X (2 mm)
(2 mm)
.019 Dia.
.154
.110
.157
.023 Dia.
.164
(2 mm)
M
No. of Pins X (2 mm)
(2 mm)
.110
.145
.083
.165
.020 Dia.
.125
(2 mm)
N
No. of Pins X (2 mm)
.145
.087
.083
.110
.228
(2 mm)
.173
O
No. of Pins X (2 mm) / 2
(4 mm)
(2 mm)
.019 Dia.
.154
.110
.157
(2 mm)
.023 Dia.
.164
P
No. of Pins X (2 mm) / 2
(4 mm)
(2 mm)
.083
.110
.145
(2 mm)
.165
.020 Dia.
.125
Q
(2 mm)
No. of Pins X (2 mm)
.165
.142
.189
(2 mm)
.252
P.C.B
.110
R
No. of Pins X .100"
.100 Typ.
.100
.015 - .025
.010*.018
.095
.110
.145
.165
.020 Dia.
.125

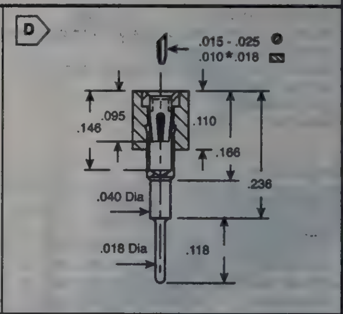
MILL-MAX In-line Sockets and Headers

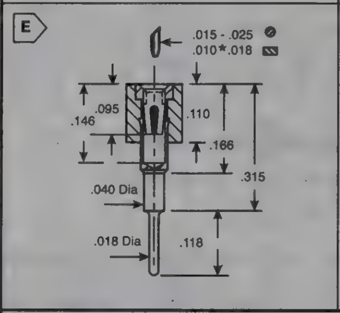
DIMENSIONS: In.

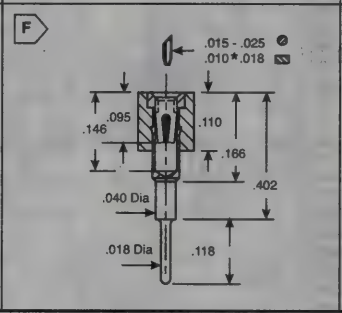

A
.015 - .025 ●
.010★.018 ▨
.103
.110
.150
.173
.170
.020 Dia

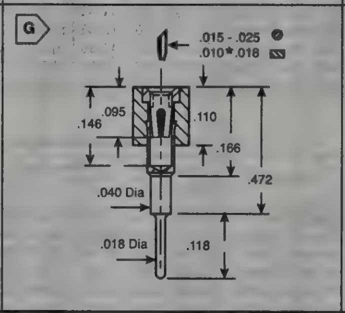

B
.015 - .025 ●
.010★.018 ▨
.096
.110
.151
.122
.108
.030 Dia

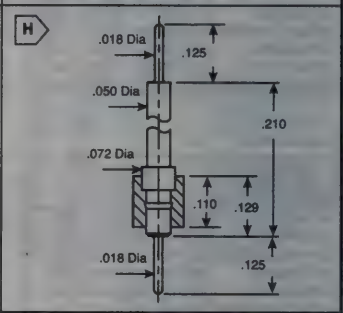

C
.015 - .022 ●
.010★.018 ▨
.071
.071
.095
.155
.095
.030 Dia

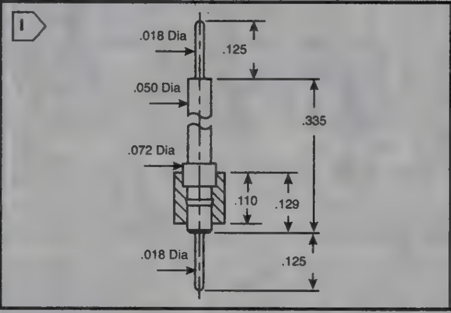

D
.015 - .025 ●
.010★.018 ▨
.095
.146
.110
.166
.236
.040 Dia
.018 Dia
.118

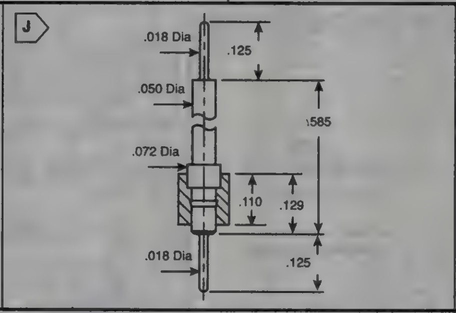

E
.015 - .025 ●
.010★.018 ▨
.095
.146
.110
.166
.315
.040 Dia
.018 Dia
.118

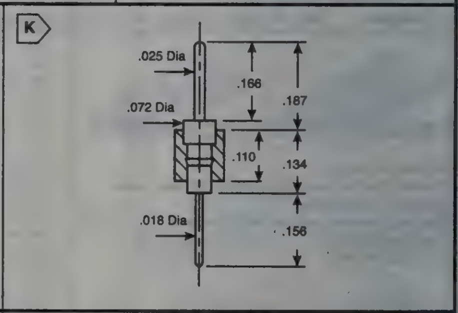

F
.015 - .025 ●
.010★.018 ▨
.095
.146
.110
.166
.402
.040 Dia
.018 Dia
.118


G
.015 - .025 ●
.010★.018 ▨
.095
.146
.110
.166
.472
.040 Dia
.018 Dia
.118


H
.018 Dia
.125
.050 Dia
.210
.072 Dia
.110
.129
.018 Dia
.125


I
.018 Dia
.125
.050 Dia
.335
.072 Dia
.110
.129
.018 Dia
.125


J
.018 Dia
.125
.050 Dia
.585
.072 Dia
.110
.129
.018 Dia
.125


K
.025 Dia
.166
.187
.072 Dia
.110
.134
.018 Dia
.156

.100" SINGLE-IN-LINE SOCKETS

- Contact: 30μ" Gold
- Sleeve: 30μ" Gold or 200μ" Tin
- 64 positions (can be cut down)
- High-Rel 4-finger contacts are rated at 3A
- Sockets accept .015-.025" dia. pins and standard IC leads

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	Tail Type	Sleeve Plating	Price Each			
						1	10	100	500
RoHS Compliant									
575-31143164	311-43-164-41-001000	A	Long Solder Tail	Solder	Tin	5.03	4.36	3.52	3.02
575-31543164	315-43-164-41-001000	B	Very Low Profile	Solder	Tin	5.89	4.71	3.81	3.26
575-315431643	315-43-164-41-003000	C	Ultra Low Profile	Solder	Tin	6.10	4.88	3.94	3.38
575-316431646	316-43-164-41-006000	D	Elevated	Solder	Tin	9.26	8.02	6.48	5.55
575-316431643	316-43-164-41-003000	E	Elevated	Solder	Tin	9.92	8.60	6.94	5.95
575-316431647	316-43-164-41-007000	F	Elevated	Solder	Tin	10.71	9.28	7.49	6.42
575-316431648	316-43-164-41-008000	G	Elevated	Solder	Tin	11.33	9.82	7.93	6.80
Non-RoHS Compliant									
575-641101	311-93-164-41-001000	A	Long Solder Tail	Solder	Tin	4.71	4.08	3.29	2.82
575-641501	315-93-164-41-001000	B	Very Low Profile	Solder	Tin	5.55	4.44	3.58	3.07
575-641503	315-93-164-41-003000	C	Ultra Low Profile	Solder	Tin	5.73	4.58	3.70	3.17
575-643166	316-93-164-41-006000	D	Elevated	Solder	Tin	8.72	7.55	6.10	5.23
575-643163	316-93-164-41-003000	E	Elevated	Solder	Tin	9.32	8.08	6.52	5.59
575-643167	316-93-164-41-007000	F	Elevated	Solder	Tin	10.09	8.74	7.06	6.05
575-643168	316-93-164-41-008000	G	Elevated	Solder	Tin	10.67	9.24	7.47	6.40

.100" SINGLE-IN-LINE HEADERS

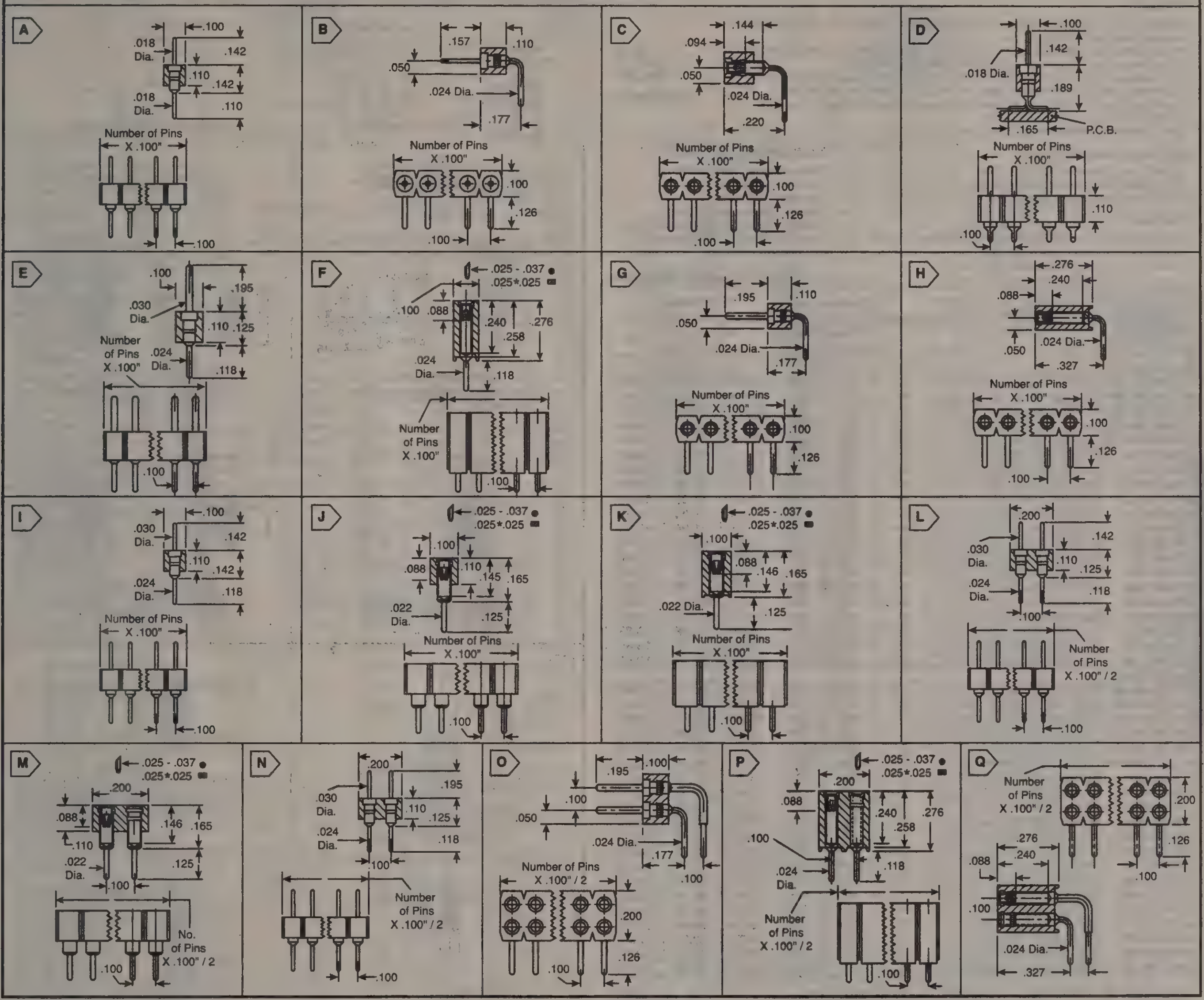
- Pin plating: 10μ" Gold
- .018" Pin / .018" Tails

✱ .025" Pin / .018" Tail

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	No. of Positions	Tail Type	L (in.)	Price Each			
						1	10	100	500
Non-RoHS Compliant									
575-641591	342-10-164-00-591000	H	64	Solder	0.21	8.03	6.96	5.62	5.36
575-641592	342-10-164-00-592000	I	64	Solder	0.335	9.17	7.95	6.42	5.50
575-641593	342-10-164-00-593000	J	64	Solder	0.585	12.80	11.09	8.96	7.68
✱575-101641	350-10-164-00-001000	K	64	Solder	0.155	8.81	7.05	5.70	4.88

DIMENSIONS (IN.)



.100" INTERCONNECTS SINGLE ROW

- May be cut to length
- Sockets: 200μ" Tin plated sleeve/ 30μ" Gold plated contact
- Headers: 10μ" Gold Plated
- Tail Type: Solder

✻ RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	No. of Cont.	Price Each 1	10	100
.018" Dia. Pins, 3A							
575-643506	350-10-164-00-006000	A	Straight Header	64	8.12	7.75	5.75
575-643909	399-10-164-10-009000	B	Rt. Angle Header	64	9.37	8.94	6.63
575-643903	399-93-164-10-003000	C	Rt. Angle Socket	64	9.92	9.46	7.02
✻575-39943164	399-43-164-10-003000	C	Rt. Angle Socket	64	10.53	10.04	7.45
575-640006	350-10-164-00-106000	D	Surf. Mt. Header	64	8.38	7.26	5.86
.030" Dia. Pins, 4.5A							
575-010064	800-10-064-10-001000	E	Straight Header	64	8.37	7.99	5.93
575-093050	801-93-050-10-001000	F	Straight Socket	50	7.05	6.73	4.99
✻575-8014305010	801-43-050-10-001000	F	Straight Socket	50	7.45	7.11	5.28
575-642001	800-10-064-20-001000	G	Rt. Angle Header	64	9.69	9.24	6.86
575-502001	801-93-050-20-001000	H	Rt. Angle Socket	50	8.20	7.83	5.80
✻575-8014305020	801-43-050-20-001000	H	Rt. Angle Socket	50	8.57	8.18	6.07
575-641002	800-10-064-10-002000	I	Low Prof. Header	64	8.11	7.74	5.74
575-641012	801-93-064-10-002000	J	Low Prof. Socket	64	8.48	8.08	6.00
✻575-8014306410	801-43-064-10-002000	J	Low Prof. Socket	64	9.09	8.67	6.43

.100" INTERCONNECTS SINGLE ROW (CONT.)

✻ RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	No. of Cont.	Price Each 1	10	100
.030" Dia. Pins, 4.5A (cont.)							
575-361012	801-93-036-10-012000	K	Low Prof. Socket	36	4.83	4.61	3.42
✻ 575-80143036	801-43-036-10-012000	K	Low Prof. Socket	36	5.12	4.89	3.62

.100" INTERCONNECTS DOUBLE ROW

- May be cut to length
- Sockets: 200μ" Tin plated sleeve/ 30μ" Gold plated contact
- Headers: 10μ" Gold Plated
- Tail Type: Solder

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Description	No. of Cont.	Price Each 1	10	100
.030" Dia. Pins, 4.5A							
575-641022	802-10-064-10-002000	L	Low Prof. Header	2x32	6.40	5.71	4.62
575-721022	803-93-072-10-002000	M	Low Prof. Socket	2x36	7.56	6.74	5.46
575-80343072102	803-43-072-10-002000	M	Low Prof. Socket	2x36	7.87	7.02	5.68
575-641001	802-10-064-10-001000	N	Straight Header	2x32	8.47	8.08	6.00
575-642201	802-10-064-20-001000	O	Rt. Angle Header	2x32	10.67	10.19	7.56
575-072101	803-93-072-10-001000	P	Straight Socket	2x36	8.01	7.16	5.79
575-80343072101	803-43-072-10-001000	P	Straight Socket	2x36	8.43	7.53	6.10
575-100201	803-93-100-20-001000	Q	Rt. Angle Socket	2x50	14.88	13.28	10.76
575-8034310020	803-43-100-20-001000	Q	Rt. Angle Socket	2x50	15.69	14.01	11.35

MILL-MAX Spring Loaded Connectors and Contacts

.100" SPRING LOADED SURFACE MOUNT CONNECTORS

Features:

- Modular contacts for use on .100" grid, available in lengths from .137" to .430", available in single and double row contact strips
- Precision machined piston/base and gold plated components assure a 1,000,000 min. cycle life
- Pistons have a long stroke relative to the low profile of the assembly
- Low resistance, high current contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for surface mount processes
- A typical application would be as the base unit (battery/charger) interface for portable equipment such as mobile phones/radios
- RoHS Compliant per Mill-Max documentation

RoHS Compliant

Mechanical Specifications:

- Spring Force @ initial height (A) 25 grams
- Spring Force @ mid stroke (B/2) 60 grams
- Spring Force @ full stroke (B) 95 grams

Materials:

- Contact Piston & Base: Machined copper alloy plated 20µ" gold
- Spring: Beryllium copper plated 10µ" gold
- Insulator: High temp. thermoplastic rated UL94 V-0

Electrical Specifications:

- Voltage Rating: 100Vrms/150Vdc
- Current Rating: 2A (continuous), 3A (peak) per contact
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 10,000MΩ max.
- Dielectric Strength: 700Vrms min.
- Capacitance: 1pF max.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Contact	Dimensions In.		Price Each		
				Initial Ht. A	Stroke B	1	5	10
Single Row								
575-64-30-000	811-22-064-30-000101	A	64	.137	.039	20.32	19.82	18.80
575-64-30-001	811-22-064-30-001101	A	64	.177	.055	20.34	19.83	18.81
575-64-30-002	811-22-064-30-002101	A	64	.197	.055	20.36	19.85	18.82
575-64-30-003	811-22-064-30-003101	A	64	.217	.055	20.37	19.86	18.84
575-64-30-004	811-22-064-30-004101	A	64	.236	.055	20.38	19.87	18.84
575-064300	812-22-064-30-000101	B	64	.255	.055	23.19	20.98	19.88
575-064301	812-22-064-30-001101	B	64	.275	.055	23.21	21.00	19.89
575-064302	812-22-064-30-002101	B	64	.295	.055	23.22	21.01	19.90
575-064303	812-22-064-30-003101	B	64	.315	.055	23.24	21.03	19.92
575-064304	812-22-064-30-004101	B	64	.335	.055	23.26	21.04	19.94
575-064305	812-22-064-30-005101	B	64	.350	.055	23.26	21.04	19.94
575-064306	812-22-064-30-006101	B	64	.370	.055	23.28	21.06	19.95
575-064307	812-22-064-30-007101	B	64	.039	.055	23.28	21.06	19.95
575-064308	812-22-064-30-008101	B	64	.410	.055	23.31	21.09	19.98
575-064309	812-22-064-30-009101	B	64	.430	.055	23.35	21.12	20.01
575-064100	821-22-064-10-000101	C	64	.137	.055	23.15	20.95	19.84
575-064101	821-22-064-10-001101	C	64	.177	.055	23.17	20.96	19.86
575-064102	821-22-064-10-002101	C	64	.197	.055	23.19	20.98	19.88
575-064103	821-22-064-10-003101	C	64	.217	.055	23.21	21.00	19.89
575-064104	821-22-064-10-004101	C	64	.236	.055	23.22	21.01	19.90
Double Row								
575-72-30-000	813-22-072-30-000101	D	72	.137	.039	22.56	21.99	20.86
575-72-30-001	813-22-072-30-001101	D	72	.177	.055	22.58	22.02	20.88
575-72-30-002	813-22-072-30-002101	D	72	.197	.055	22.60	22.03	20.90
575-72-30-003	813-22-072-30-003101	D	72	.217	.055	22.62	22.05	20.92
575-72-30-004	813-22-072-30-004101	D	72	.236	.055	22.62	22.06	20.92
575-072300	814-22-072-30-000101	E	72	.255	.055	25.77	23.31	22.09
575-072301	814-22-072-30-001101	E	72	.275	.055	25.79	23.33	22.11
575-072302	814-22-072-30-002101	E	72	.295	.055	25.81	23.35	22.12
575-072303	814-22-072-30-003101	E	72	.315	.055	25.83	23.37	22.14
575-072304	814-22-072-30-004101	E	72	.335	.055	25.85	23.39	22.16
575-072305	814-22-072-30-005101	E	72	.350	.055	25.85	23.39	22.16
575-072306	814-22-072-30-006101	E	72	.370	.055	25.87	23.41	22.18
575-072307	814-22-072-30-007101	E	72	.390	.055	25.87	23.41	22.18
575-072308	814-22-072-30-008101	E	72	.410	.055	25.91	23.44	22.21
575-072309	814-22-072-30-009101	E	72	.430	.055	25.95	23.48	22.25
575-072100	823-22-072-10-000101	F	72	.137	.039	25.73	23.28	22.05
575-721011	823-22-072-10-001101	F	72	.177	.039	36.79	30.66	24.52
575-072102	823-22-072-10-002101	F	72	.197	.039	25.77	23.31	22.09
575-072103	823-22-072-10-003101	F	72	.217	.039	25.79	23.33	22.11
575-072104	823-22-072-10-004101	F	72	.236	.039	25.81	23.35	22.12

DISCRETE SPRING LOADED CONTACTS

Specifications:

- Sleeve & Plunger Material: Copper Alloy
- Sleeve & Plunger Finish: 20µ" Gold over Nickel
- Spring Material: Beryllium Copper
- Spring Finish: 10µ" gold over nickel
- RoHS Compliant per Mill-Max documentation

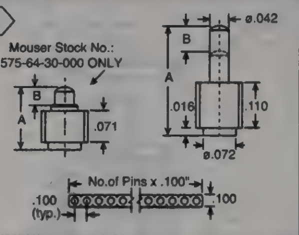
RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Dimensions In.			Price Each			
			A	B	C	1	10	100	200
575-900011	0900-0-00-00-00-00-11-0	G	.137	.039	.098	.39	.33	.28	.25
575-090011	0900-1-00-00-00-00-11-0	G	.177	.055	.106	.39	.33	.28	.25
575-900211	0900-2-00-00-00-00-11-0	G	.197	.055	.106	.39	.33	.28	.25
575-900311	0900-3-00-00-00-00-11-0	G	.217	.055	.106	.39	.34	.28	.25
575-900411	0900-4-00-00-00-00-11-0	G	.236	.055	.106	.39	.34	.28	.25
575-901011	0901-0-00-00-00-00-11-0	H	.348	.055	.226	.40	.34	.28	.25
575-905011	0905-0-00-00-00-00-11-0	I	.692	.054	.638	.57	.49	.41	.37
575-906015	0906-0-15-20-76-14-11-0	J	.137	.039	.167	.44	.37	.31	.28
575-906115	0906-1-15-20-75-14-11-0	J	.177	.055	.167	.44	.37	.31	.28
575-906215	0906-2-15-20-75-14-11-0	J	.197	.055	.167	.44	.37	.31	.28
575-906315	0906-3-15-20-75-14-11-0	J	.217	.055	.167	.44	.37	.31	.28
575-906415	0906-4-15-20-75-14-11-0	J	.236	.055	.167	.44	.37	.31	.28
575-907011	0907-0-15-20-75-14-11-0	K	.255	.055	.198	.44	.37	.31	.28
575-907111	0907-1-15-20-75-14-11-0	K	.275	.055	.198	.44	.37	.31	.28
575-907211	0907-2-15-20-75-14-11-0	K	.295	.055	.198	.44	.37	.31	.28
575-907311	0907-3-15-20-75-14-11-0	K	.315	.055	.198	.44	.37	.31	.28
575-907411	0907-4-15-20-75-14-11-0	K	.335	.055	.198	.44	.37	.31	.28
575-907511	0907-5-15-20-75-14-11-0	K	.350	.055	.198	.44	.37	.31	.28
575-907611	0907-6-15-20-75-14-11-0	K	.370	.055	.198	.44	.37	.31	.28
575-907711	0907-7-15-20-75-14-11-0	K	.390	.055	.198	.44	.37	.31	.28
575-907811	0907-8-15-20-75-14-11-0	K	.410	.055	.198	.44	.37	.31	.28
575-907911	0907-9-15-20-75-14-11-0	K	.430	.055	.198	.44	.37	.31	.28
575-980011	0980-0-15-20-75-14-11-0	L	.297	.050	.198	.61	.52	.43	.39
575-914015	0914-0-15-20-77-14-11-0	M	.302	.090	.185	.56	.47	.39	.36
575-922015	0922-0-15-20-75-14-11-0	N	.375	.055	.305	.48	.41	.34	.31

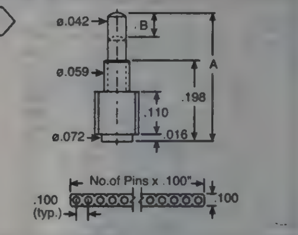
DIMENSIONS in. ("A" represents Initial Height, "B" represents Full Stroke)

A


Mouser Stock No.: 575-64-30-000 ONLY

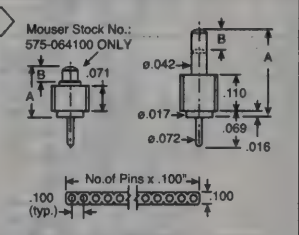
ø.042
B
A
.016
.110
ø.072
.071
No.of Pins x .100"
.100
.100 (typ.)

B



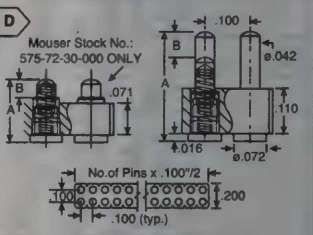
ø.042
B
ø.059
A
.198
.110
.016
ø.072
No.of Pins x .100"
.100
.100 (typ.)

C


Mouser Stock No.: 575-064100 ONLY

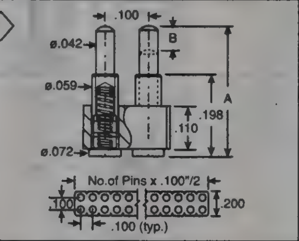
B
A
.071
ø.042
.110
ø.017
ø.072
.069
.016
No.of Pins x .100"
.100
.100 (typ.)

D


Mouser Stock No.: 575-72-30-000 ONLY

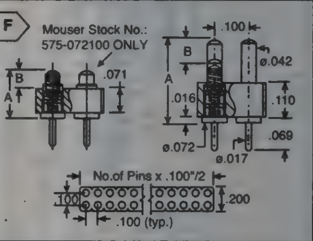
.100
B
A
ø.042
.071
.110
.016
ø.072
No.of Pins x .100"/2
.100
.200
.100 (typ.)

E



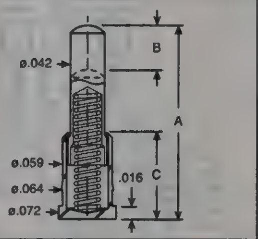
.100
ø.042
B
ø.059
A
.198
.110
ø.072
No.of Pins x .100"/2
.100
.200
.100 (typ.)

F


Mouser Stock No.: 575-072100 ONLY

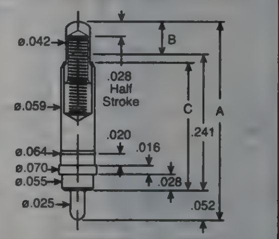
.100
B
A
.071
ø.042
.016
.110
.069
ø.072
ø.017
No.of Pins x .100"/2
.100
.200
.100 (typ.)

G



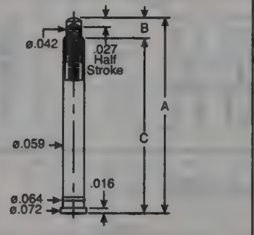
ø.042
B
A
ø.059
ø.064
ø.072
.016
C

H



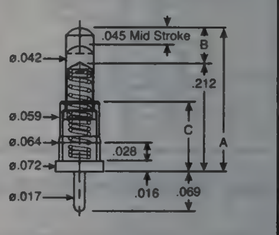
ø.042
B
.028 Half Stroke
ø.059
C
A
.241
.020
.016
ø.064
ø.070
ø.055
.028
ø.025
.052

I



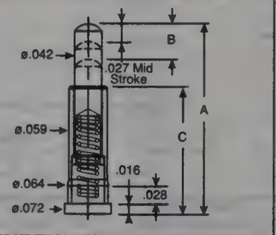
ø.042
B
.027 Half Stroke
A
C
ø.059
.016
ø.064
ø.072

J



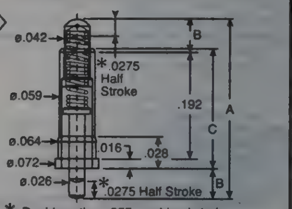
.045 Mid Stroke
B
ø.042
.212
ø.059
C
A
ø.064
.028
ø.072
.016
.069
ø.017

K



B
ø.042
.027 Mid Stroke
A
C
ø.059
.016
ø.064
.028
ø.072

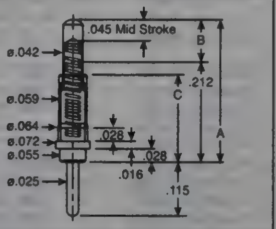
L



ø.042
B
*.0275 Half Stroke
ø.059
.192
C
A
ø.064
.016
.028
ø.072
ø.026
*.0275 Half Stroke
B

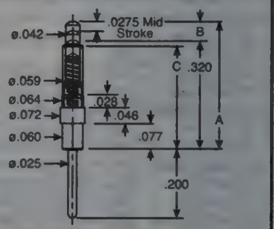
* Double action, .055 combined stroke Mounted between parallel circuit boards

M



.045 Mid Stroke
B
ø.042
.212
C
ø.059
A
ø.064
ø.072
ø.055
.028
.028
.016
ø.025
.115

N

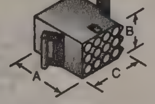


.0275 Mid Stroke
ø.042
B
C
.320
ø.059
ø.064
.028
ø.072
.046
A
ø.060
.077
ø.025
.200

MOLEX Pin and Socket Connectors and Tools
(.062" and .093")

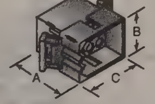
molex
one company › a world of innovation

A



Receptacle

B



Plug

STANDARD .062" RECEPTACLES

- UL94V-2, Nylon
- Friction lock
- Polarized housing assures proper mating
- Male and female terminals may be used in receptacle housings
- Detent Lock
- RoHS compliant per Molex documentation

RoHS Compliant LR19980 E29179

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
Panel Mount Receptacles										
538-03-06-1022	03-06-1022	A	2	In-line	.81	.19	.34	.14	.13	.12
538-03-06-1038	03-06-1038	A	3	In-line	.78	.19	.48	.18	.16	.15
538-03-06-1041	03-06-1041	A	4	In-line	.78	.19	.63	.25	.23	.21
538-03-06-1043	03-06-1043	A	4	Matrix	.77	.34	.34	.30	.28	.26
538-03-06-1055	03-06-1055	A	5	In-line	.78	.19	.78	.39	.37	.35
538-03-06-1061	03-06-1061	A	6	Matrix	.78	.49	.34	.38	.29	.25
538-03-06-1091	03-06-1091	A	9	Matrix	.78	.49	.49	.28	.26	.24
538-03-06-1121	03-06-1121	A	12	Matrix	.78	.49	.63	.55	.36	.33
538-03-06-6155	03-06-6155	A	15	Matrix	.78	.49	.77	.53	.49	.45
538-03-06-1241	03-06-1241	A	24	Matrix	.75	.63	.92	.98	.85	.80
Free-Hanging Receptacles										
538-03-06-1011	03-06-1011	A	1	In-line	.78	- - -	.19	.12	.11	.10
538-03-06-1023	03-06-1023	A	2	In-line	.81	.19	.34	.19	.17	.16
538-03-06-1032	03-06-1032	A	3	In-line	.78	.19	.48	.23	.22	.20
538-03-06-1042	03-06-1042	A	4	In-line	.78	.19	.63	.35	.33	.27
538-03-06-1044	03-06-1044	A	4	Matrix	.77	.34	.34	.38	.34	.30
538-03-06-1056	03-06-1056	A	5	In-line	.78	.19	.78	.46	.38	.34
538-03-06-1062	03-06-1062	A	6	Matrix	.78	.49	.34	.38	.35	.29
538-03-06-1092	03-06-1092	A	9	Matrix	.78	.49	.49	.28	.26	.24
538-03-06-1122	03-06-1122	A	12	Matrix	.78	.49	.63	.29	.27	.24
538-03-06-1152	03-06-1152	A	15	Matrix	.78	.49	.77	.51	.47	.43

STANDARD .062" PLUGS

- UL94V-2, Nylon
- Friction lock
- Polarized housing assures proper mating
- Male and female terminals may be used in plug housings
- Detent Locking Window

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
Panel Mount Plugs										
538-03-06-2024	03-06-2024	B	2	In-line	.78	.30	.44	.20	.19	.16
538-03-06-2033	03-06-2033	B	3	In-line	.75	.30	.59	.18	.16	.15
538-03-06-2041	03-06-2041	B	4	In-line	.75	.29	.73	.25	.23	.21
538-03-06-2043	03-06-2043	B	4	Matrix	.77	.44	.44	.27	.25	.23
538-03-06-2054	03-06-2054	B	5	In-line	.75	.31	.89	.27	.25	.23
538-03-06-2062	03-06-2062	B	6	Matrix	.75	.60	.45	.27	.25	.23
538-03-06-2091	03-06-2091	B	9	Matrix	.75	.59	.59	.28	.26	.24
538-03-06-2121	03-06-2121	B	12	Matrix	.75	.59	.74	.29	.27	.24
538-03-06-2151	03-06-2151	B	15	Matrix	.75	.59	.87	.36	.34	.31
538-03-06-2241	03-06-2241	B	24	Matrix	.75	.74	1.02	.90	.82	.78
Free-Hanging Plugs										
538-03-06-2011	03-06-2011	B	1	In-line	.75	- - -	.30	.11	.09	.08
538-03-06-2023	03-06-2023	B	2	In-line	.78	.30	.44	.20	.18	.17
538-03-06-2032	03-06-2032	B	3	In-line	.75	.30	.59	.25	.21	.17
538-03-06-2042	03-06-2042	B	4	In-line	.75	.29	.73	.25	.23	.21
538-03-06-2044	03-06-2044	B	4	Matrix	.77	.44	.44	.25	.23	.21
538-03-06-2055	03-06-2055	B	5	In-line	.75	.31	.89	.27	.25	.23
538-03-06-2061	03-06-2061	B	6	Matrix	.75	.60	.45	.38	.35	.32
538-03-06-2092	03-06-2092	B	9	Matrix	.75	.59	.59	.39	.36	.26
538-03-06-2122	03-06-2122	B	12	Matrix	.75	.59	.74	.40	.32	.27
538-03-06-2152	03-06-2152	B	15	Matrix	.75	.59	.87	.51	.42	.38
538-03-06-2242	03-06-2242	B	24	Matrix	.75	.74	1.02	1.30	1.20	1.10

.062" CONTACTS

- RoHS compliant per Molex documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Type	Finish and Materials	Wire Size (AWG)	Price Each		
					1	100	500
For use with Miniature .062" Terminal Housings							
538-02-06-1103	02-06-1103	Female	Tin over brass	18-24	.19	.06	.05
538-02-06-1105	02-06-1105	Female	Tin over phosphor bronze	18-24	.11	.07	.06
538-02-06-2103	02-06-2103	Male	Tin over brass	18-24	.19	.10	.09
538-02-06-6103	02-06-6103	Male	Gold over brass	18-24	.62	.42	.35
538-02-06-1132	02-06-1132	Female	Tin over brass	24-30	.19	.06	.05
538-02-06-2132	02-06-2132	Male	Tin over brass	24-30	.09	.07	.06
538-02-06-5135	02-06-5135	Female	Gold over brass	24-30	.62	.42	.35
538-02-06-7103	02-06-7103	PC Tail-female	Tin over brass	- - -	.21	.12	.09
538-02-06-8103	02-06-8103	PC Tail-male	Tin over Brass	- - -	.21	.12	.10

STANDARD .093" RECEPTACLES

- UL94V-2, Nylon
- Passive (friction) lock
- Male and female terminals may be used in receptacle housings
- Detent Lock
- RoHS compliant per Molex documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
Panel Mount Receptacles										
538-03-09-1027 *	03-09-1027	A	2	In-line	1.03	.25	.54	.23	.19	.17
538-03-09-1081	03-09-1081	A	3	In-line	1.01	.24	.67	.29	.25	.23
538-03-09-1040	03-09-1040	A	4	Matrix	1.03	.43	.43	.45	.39	.35
538-03-09-1041	03-09-1041	A	4	In-line	1.03	.24	.87	.28	.25	.19
538-03-09-1061	03-09-1061	A	6	Matrix	1.02	.63	.43	.52	.29	.27
538-03-09-1091	03-09-1091	A	9	Matrix	1.03	.63	.67	.53	.36	.32
538-03-09-1125	03-09-1125	A	12	Matrix	1.02	.63	.87	.59	.50	.45
538-03-09-1151	03-09-1151	A	15	Matrix	1.02	.63	1.07	.62	.56	.50
Free-Hanging Receptacles										
538-03-09-1011	03-09-1011	A	1	In-line	1.03	.23	- - -	.22	.10	.09
538-03-09-1022	03-09-1022	A	2	In-line	1.02	.25	.54	.23	.19	.16
538-03-09-1028 *†	03-09-1028	A	2	In-line	1.06	.27	.53	.39	.35	.28
538-03-09-1032	03-09-1032	A	3	In-line	1.01	.24	.67	.32	.26	.17
538-03-09-1042	03-09-1042	A	4	In-line	1.06	.27	1.03	.28	.25	.23
538-03-09-1049	03-09-1049	A	4	Matrix	1.03	.43	.43	.42	.34	.26
538-03-09-1054	03-09-1054	A	5	In-line	1.00	.24	1.07	.50	.40	.31
538-03-09-1057 †	03-09-1057	A	5	In-line	1.00	.24	1.07	.52	.44	.36

* .248" grid spacing † Has positive lock rather than detent lock

STANDARD .093" PLUGS

- UL94V-2, Nylon
- Passive (friction) lock
- Detent Locking Window

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Circuit Pattern	Dimensions (In.)			Price Each		
					A	B	C	1	10	100
Panel Mount Plugs										
538-03-09-2021 *	03-09-2021	B	2	In-line	1.00	.35	.64	.26	.20	.18
538-03-09-2031	03-09-2031	B	3	In-line	1.00	.34	.77	.36	.24	.22
538-03-09-2041	03-09-2041	B	4	In-line	1.00	.34	.97	.37	.26	.23
538-03-09-2040	03-09-2040	B	4	Matrix	1.02	.54	.54	.44	.39	.35
538-03-09-2061	03-09-2061	B	6	Matrix	1.00	.73	.54	.54	.50	.44
538-03-09-2091	03-09-2091	B	9	Matrix	1.00	.73	.77	.53	.38	.34
538-03-09-2122	03-09-2122	B	12	Matrix	.98	.74	.98	.45	.41	.37
Free-Hanging Plugs										
538-03-09-2011	03-09-2011	B	1	In-line	1.00	.36	- - -	.12	.10	.09
538-03-09-2022	03-09-2022	B	2	In-line	1.00	.35	.64	.24	.21	.19
538-03-09-2028 *†	03-09-2028	B	2	In-line	1.03	.36	.66	.35	.32	.29
538-03-09-2032	03-09-2032	B	3	In-line	1.00	.34	.77	.31	.28	.24
538-03-09-2042	03-09-2042	B	4	In-line	1.00	.34	.97	.29	.24	.22
538-03-09-2048 *†	03-09-2048	B	4	In-line	1.03	.36	1.16	.69	.52	.34
538-03-09-2049	03-09-2049	B	4	Matrix	1.02	.54	.54	.48	.43	.41
538-03-09-2057	03-09-2057	B	5	In-line	1.00	.34	1.18	.53	.36	.31
538-03-09-2062	03-09-2062	B	6	In-line	1.00	.73	.54	.40	.29	.26
538-03-09-2092 †	03-09-2092	B	9	Matrix	1.00	.73	.77	.51	.37	.31

* .248" grid spacing
† Has positive lock rather than detent lock

.093" CONTACTS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Type	Wire Size (AWG)	Price Each		
				1	100	500
For use with Standard .093" Terminal Housings						
538-02-09-1104	02-09-1104	Female	14-20	.19	.10	.09
538-02-09-2103	02-09-2103	Male	14-20	.19	.10	.09
538-02-09-1119	02-09-1119	Female	18-22	.12	.10	.08
538-02-09-2118	02-09-2118	Male	18-22	.21	.11	.10
538-02-09-1144	02-09-1144	Female	24-30	.09	.08	.07
538-02-09-2143	02-09-2143	Male	24-30	.21	.10	.09
538-02-09-1134	02-09-1134	PC Tail- Female	- - -	.24	.15	.11
538-02-09-2134	02-09-2134	PC Tail- Male	- - -	.24	.15	.11

DESIGNER/SERVICE KITS

Includes: connectors, crimp tool, and extraction tool

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
538-WM-50	.093", 45 connectors	45.38
538-WM-72	.062", 56 connectors	48.18

TOOLS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
538-11-03-0006	Extraction: .093" contacts	18.17
538-11-03-0002	Extraction: .062" contacts	18.17
538-63811-1000	Universal Hand Crimper, 14-24 AWG	49.00
538-11-01-0185	Hand Crimper: .062" contacts, 22-30 AWG	180.00
538-11-02-0001	Insertion Tool .062" contacts	15.31
538-11-02-0003	Insertion Tool .093" contacts	15.31

MOLEX Pin and Socket Connectors and Tools
(.084"- MLX Series)

PLUGS

Series 42021

Features:

- Intermateable, interchangeable, and intermountable with industry-standard versions
- Positive Locks
- Fully isolated contacts
- Circuit ID grooves to reduce assembly errors
- Anti-stress positioning tabs to reduce breakage
- Mates with: Series 42022 Receptacles and Series 42002 Headers
- Material, plug housing: Nylon, UL94V-2, White
- Operating Temperature: -55° to +105°C
- Voltage: 600V ✻
- UL File No: E29179
- CSA File No: LR19980

LR19980 E29179

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Amps/ Circuit (Max.)✻	Dimensions: in.		Price Each			
					A	B	1	10	100	500
538-50-84-1020	50-84-1020	A	2	13.5	0.580	0.550	.24	.18	.15	.12
538-50-84-1030	50-84-1030	A	3	13.5	0.580	0.800	.26	.20	.17	.14
538-50-84-1040	50-84-1040	A	4	13.5	0.580	1.050	.32	.24	.20	.16
538-50-84-1060	50-84-1060	A	6	11	1.080	0.550	.34	.26	.22	.18
538-50-84-1090	50-84-1090	A	9	11	1.080	0.800	.36	.28	.24	.20
538-50-84-1120	50-84-1120	A	12	11	1.080	1.050	.44	.33	.28	.22
538-50-84-1150	50-84-1150	A	15	11	1.080	1.30	.48	.36	.32	.27

✻ Ratings are per circuit, based on fully loaded housings

RECEPTACLES

Series 42022

Features:

- Intermateable, interchangeable and intermountable with industry-standard versions
- Positive locks
- Fully isolated contacts
- Circuit ID grooves to reduce assemble errors
- Anti-stress positioning tabs to reduce breakage
- Mates with: Series 42021
- Material, receptacle housing: Nylon, UL94V-2, White
- Operating Temperature: -55° to +105° C
- Voltage: 600V✻
- UL File No: E29179
- CSA File No: LR19980

RoHS Compliant

LR19980 E29179

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Amps/ Circuit (Max.)✻	Dimensions: in.								Price Each			
					A	B	C ✻✻	D	E	F	G	H	1	10	100	500
538-50-84-2020	50-84-2020	B	2	13.5	.62	.300	.340	.095	.250	.53	.565	.550	.22	.17	.14	.11
538-50-84-2030	50-84-2030	B	3	13.5	.62	.300	.340	.095	.250	.53	.815	.800	.30	.22	.18	.15
538-50-84-2040	50-84-2040	B	4	13.5	.62	.300	.340	.095	.250	.53	1.065	1.050	.35	.27	.22	.18
538-50-84-2060	50-84-2060	B	6	11	1.12	.800	.340	.275	.250	1.03	.565	.550	.43	.33	.27	.22
538-50-84-2090	50-84-2090	B	9	11	1.12	.800	.480	.275	.250	1.03	.815	.800	.48	.38	.33	.27
538-50-84-2120	50-84-2120	B	12	11	1.12	.800	.480	.275	.350	1.03	1.065	1.050	.53	.43	.38	.30
538-50-84-2150	50-84-2150	B	15	11	1.12	.800	.480	.275	.350	1.03	1.315	1.300	.86	.77	.73	.69

✻ Ratings are per circuit, based on fully loaded housings

✻✻ Cap housing should be installed into panel in the same direction as the panel cutout is punched

VERTICAL HEADERS

Features:

- Material: Header Housing: UL94V-2, White
  Header Contact: Phosphor Bronze
  Plating: Tin
- Operating Temperature: -55° to +105° C
- Voltage: 600V ✻
- Amperes ✻: 2, 3, 4 circuits all 13.5
- Amperes ✻: 6, 9, 12, 15 circuits all 11.0

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Dimensions: in.		Price Each			
					A	B	1	10	100	500
538-10-84-4020	10-84-4020	C	2	Male	0.300	0.550	.49	.42	.28	.22
538-10-84-4022	10-84-4022	C	2	Female	0.300	0.550	.34	.28	.21	.18
538-10-84-4030	10-84-4030	C	3	Male	0.300	0.800	.64	.48	.40	.32
538-10-84-4032	10-84-4032	C	3	Female	0.300	0.800	.41	.31	.26	.21
538-10-84-4040	10-84-4040	C	4	Male	0.300	1.050	.77	.57	.48	.35
538-10-84-4042	10-84-4042	C	4	Female	0.300	1.050	.52	.40	.36	.32
538-10-84-4060	10-84-4060	C	6	Male	0.800	0.550	.80	.77	.64	.51
538-10-84-4062	10-84-4062	C	6	Female	0.800	0.550	.85	.76	.68	.50
538-10-84-4090	10-84-4090	C	9	Male	0.800	0.800	.82	.61	.55	.50
538-10-84-4092	10-84-4092	C	9	Female	0.800	0.800	.85	.74	.66	.55
538-10-84-4120	10-84-4120	C	12	Male	0.800	1.050	1.18	.94	.83	.72
538-10-84-4122	10-84-4122	C	12	Female	0.800	1.050	1.45	1.31	1.18	1.06
538-10-84-4150	10-84-4150	C	15	Male	0.800	1.300	1.45	1.29	1.13	1.04
538-10-84-4152	10-84-4152	C	15	Female	0.800	1.300	1.52	1.29	1.16	1.04

✻ Ratings are per circuit, based on fully loaded housings

CONTACTS

Features:

- Plating: Tin
- Insulation Diameter: 10-12 AWG: 3.30 (.130) min., 5.08 (.200) max.
- Insulation Diameter: 14-20 AWG: 1.52 (.060) min., 3.30 (.130) max.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Description	Type	Price Each			
						1	100	500	1000
538-36664-0002	36664-0002	D	10-12	Female	Standard Brass .012"	.12	.11	.10	.09
538-02-08-1002	02-08-1002	D	14-20	Female	Standard Brass .012"	.10	.09	.08	.07
538-02-08-1004	02-08-1004	D	14-20	Female	Phosphor Bronze .012"	.12	.11	.10	.09
538-36663-0002	36663-0002	E	10-12	Male	Standard Brass .012"	.12	.11	.10	.09
538-02-08-2004	02-08-2004	E	14-20	Male	Standard Brass .012"	.10	.09	.08	.07
538-02-08-2006	02-08-2006	E	14-20	Male	Phosphor Bronze .012"	.12	.11	.10	.09

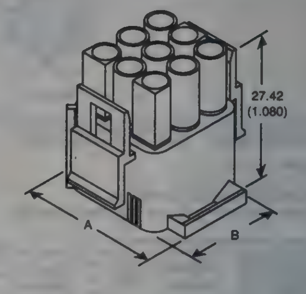
TOOLS

For quantities of 5 and up, call for quote.

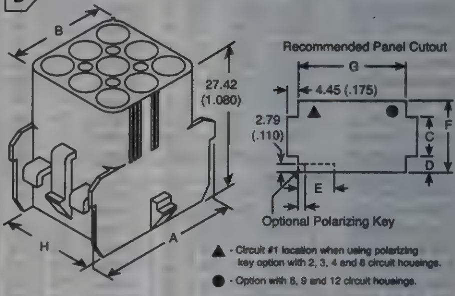
MOUSER STOCK NO.	Molex Part No.	Wire Size (AWG)	Description	Price Each
538-11-01-0168	11-01-0168	14-20	Extraction Tool	59.35
538-63811-4800	63811-4800	10-12	Hand Tool	289.31
538-63811-3500	63811-3500	14-20	Hand Tool	326.18

DIMENSIONS: mm (in.)

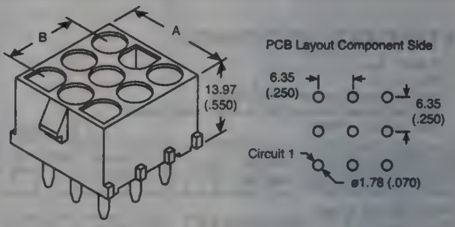
A



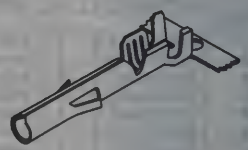
B


B
27.42
(1.080)
H
A
Recommended Panel Cutout
G
4.45 (.175)
2.79
(.110)
C
F
D
E
Optional Polarizing Key
▲ - Circuit #1 location when using polarizing key option with 2, 3, 4 and 8 circuit housings.
● - Option with 6, 9 and 12 circuit housings.

C

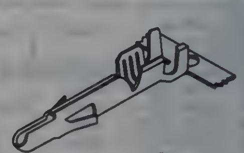


D



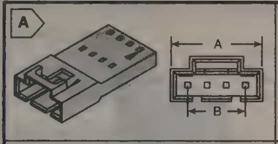
Socket

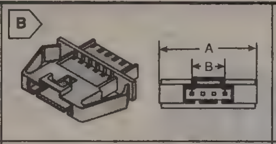
E

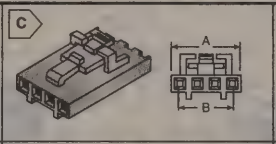


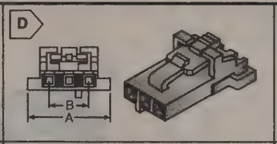
Pin

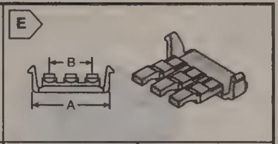
MOLEX 2.54mm / .100" SL™ Connectors

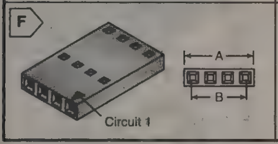

A

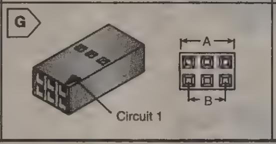

B

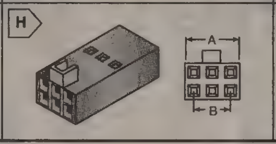

C

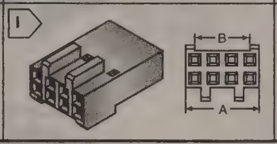

D

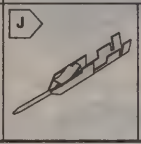

E

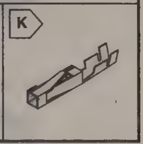

F


G


H


I


J


K

2.54mm (.100") SL™ WIRE TO WIRE CRIMP HOUSINGS

Features:

- Housing: Black glass-filled polyester, UL94V-0
- Mounting ears for insertion into .030" to .090" thick panels
- Locking crown secures positive latch to connector
- Operating Temperature: -40°C to +105°C
- RoHS compliant per Molex documentation

LR19980 E29179

- Series: 70107
- Polarized

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: in.		Price Each			
				A	B	1	10	100	500
Single Row, No Mounting Ears									
538-70107-0001	70107-0001	A	2	.280	.100	**.89**	**.71**	**.59**	**.47**
538-70107-0002	70107-0002	A	3	.380	.200	**.83**	**.72**	**.60**	**.48**
538-70107-0003	70107-0003	A	4	.480	.300	**.91**	**.74**	**.61**	**.49**
538-70107-0004	70107-0004	A	5	.580	.400	**.98**	**.84**	**.70**	**.56**
538-70107-0005	70107-0005	A	6	.680	.500	**1.03**	**.96**	**.82**	**.69**
538-70107-0006	70107-0006	A	7	.780	.600	**1.39**	**1.10**	**.87**	**.69**
538-70107-0007	70107-0007	A	8	.880	.700	**1.42**	**1.12**	**.89**	**.71**
538-70107-0008	70107-0008	A	9	.980	.800	**1.45**	**1.15**	**.91**	**.75**
538-70107-0011	70107-0011	A	12	1.280	1.100	**1.50**	**1.20**	**.90**	**.70**
538-70107-0013	70107-0013	A	14	1.480	1.300	**1.56**	**1.36**	**1.06**	**.92**
Single Row, Mounting Ears									
538-70107-0036	70107-0036	B	2	.650	.100	**.96**	**.88**	**.79**	**.67**
538-70107-0037	70107-0037	B	3	.750	.200	**.84**	**.75**	**.67**	**.60**
538-70107-0038	70107-0038	B	4	.850	.300	**.83**	**.70**	**.64**	**.59**
538-70107-0039	70107-0039	B	5	.950	.400	**.89**	**.75**	**.62**	**.57**
538-70107-0040	70107-0040	B	6	1.050	.500	**1.68**	**1.51**	**1.36**	**1.23**

2.54mm (.100") SL™ CRIMP HOUSINGS

- Housing: Black glass-filled polyester, UL 94V-0
- TPA: White glass-filled polyester, UL94V-0
- Positive Latch: Secures connectors to locking crown of mating connector
- TPA Piece: Eliminates terminal blackout when TPA is locked into place
- Non-polarized: End to end and side to side stackable

LR19980 E29179 RoHS Compliant

- Operating Temperature: -40°C to 105°C
- Series 70066 and 73838
- RoHS compliant per Molex documentation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: in.		Price Each			
				A	B	1	10	100	500
Single Row, Positive Latch									
538-50-57-9402	50-57-9402	C	2	.199	.100	**.47**	**.38**	**.28**	**.22**
538-50-57-9403	50-57-9403	C	3	.299	.200	**.49**	**.44**	**.36**	**.29**
538-50-57-9404	50-57-9404	C	4	.399	.300	**.51**	**.48**	**.40**	**.30**
538-50-57-9405	50-57-9405	C	5	.499	.400	**.54**	**.49**	**.41**	**.31**
538-50-57-9406	50-57-9406	C	6	.599	.500	**.66**	**.52**	**.43**	**.33**
538-50-57-9407	50-57-9407	C	7	.699	.600	**.74**	**.66**	**.45**	**.35**
538-50-57-9408	50-57-9408	C	8	.799	.700	**.80**	**.64**	**.53**	**.42**
538-50-57-9409	50-57-9409	C	9	.899	.800	**.81**	**.64**	**.54**	**.41**
538-50-57-9410	50-57-9410	C	10	.999	.900	**.82**	**.65**	**.54**	**.43**
538-50-57-9411	50-57-9411	C	11	1.099	1.000	**.87**	**.69**	**.57**	**.46**
538-50-57-9412	50-57-9412	C	12	1.199	1.100	**.75**	**.60**	**.50**	**.40**
538-50-57-9414	50-57-9414	C	14	1.399	1.300	**.73**	**.62**	**.57**	**.49**
538-50-57-9416	50-57-9416	C	16	1.599	1.500	**.87**	**.78**	**.67**	**.59**
Single Row TPA, Positive Latch									
538-50-57-9702	50-57-9702	D	2	.197	.100	**.29**	**.26**	**.24**	**.22**
538-50-57-9703	50-57-9703	D	3	.297	.200	**.31**	**.28**	**.26**	**.24**
538-50-57-9704	50-57-9704	D	4	.397	.300	**.34**	**.31**	**.29**	**.27**
538-50-57-9705	50-57-9705	D	5	.497	.400	**.71**	**.64**	**.58**	**.52**
538-50-57-9706	50-57-9706	D	6	.597	.500	**.46**	**.42**	**.39**	**.36**
538-50-57-9707	50-57-9707	D	7	.697	.600	**.49**	**.44**	**.41**	**.38**
538-50-57-9708	50-57-9708	D	8	.797	.700	**.52**	**.47**	**.43**	**.40**
TPA (Terminal Position Assurance) Piece									
538-73838-0002	73838-0002	E	2	.259	.100	**.17**	**.15**	**.14**	**.13**
538-73838-0003	73838-0003	E	3	.359	.200	**.19**	**.18**	**.17**	**.16**
538-73838-0004	73838-0004	E	4	.459	.300	**.21**	**.20**	**.19**	**.18**
538-73838-0005	73838-0005	E	5	.559	.400	**.22**	**.21**	**.20**	**.19**
538-73838-0006	73838-0006	E	6	.659	.500	**.23**	**.22**	**.21**	**.20**
538-73838-0007	73838-0007	E	7	.759	.600	**.26**	**.24**	**.22**	**.21**
538-73838-0008	73838-0008	E	8	.859	.700	**.28**	**.27**	**.26**	**.25**
Single Row, Non-Polarized									
538-50-57-9002	50-57-9002	F	2	.199	.100	**.53**	**.47**	**.31**	**.24**
538-50-57-9003	50-57-9003	F	3	.299	.200	**.67**	**.58**	**.38**	**.30**
538-50-57-9004	50-57-9004	F	4	.399	.300	**.69**	**.61**	**.40**	**.32**
538-50-57-9005	50-57-9005	F	5	.499	.400	**.73**	**.63**	**.42**	**.33**
538-50-57-9006	50-57-9006	F	6	.599	.500	**.76**	**.66**	**.44**	**.35**
538-50-57-9007	50-57-9007	F	7	.699	.600	**.80**	**.70**	**.46**	**.37**
538-50-57-9008	50-57-9008	F	8	.799	.700	**.80**	**.70**	**.46**	**.37**
538-50-57-9009	50-57-9009	F	9	.899	.800	**.90**	**.79**	**.52**	**.41**
538-50-57-9010	50-57-9010	F	10	.999	.900	**.76**	**.71**	**.66**	**.61**

2.54mm (.100") SL™ CRIMP HOUSINGS (Cont.)

Features:

- Housing: Black glass-filled polyester, UL94V-0
- Non-Polarized: End to end and side to side stackable
- Polarized: Mates with dual low profile shrouded headers
- Operating Temperature: -40°C to +105°C
- Series 70450
- RoHS compliant per Molex documentation

LR19980 E29179 RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: in.		Price Each			
				A	B	1	10	100	500
Dual Row, Non-Polarized									
538-22-55-2041	22-55-2041	G	4	.199	.100	**.97**	**.87**	**.82**	**.77**
538-22-55-2061	22-55-2061	G	6	.299	.200	**1.62**	**1.42**	**.95**	**.89**
538-22-55-2081	22-55-2081	G	8	.399	.300	**2.00**	**1.80**	**1.20**	**.92**
538-22-55-2101	22-55-2101	G	10	.499	.400	**2.13**	**1.88**	**1.26**	**.98**
538-22-55-2121	22-55-2121	G	12	.599	.500	**2.22**	**1.96**	**1.30**	**.99**
538-22-55-2141	22-55-2141	G	14	.699	.600	**2.65**	**2.40**	**1.54**	**1.23**
538-22-55-2161	22-55-2161	G	16	.699	.600	**2.39**	**2.09**	**1.40**	**1.07**
538-22-55-2181	22-55-2181	G	18	.899	.800	**2.00**	**1.65**	**1.49**	**1.41**
538-22-55-2201	22-55-2201	G	20	.999	.900	**2.72**	**2.39**	**1.59**	**1.27**
538-22-55-2261	22-55-2261	G	26	1.299	1.200	**2.77**	**2.45**	**2.09**	**1.82**
538-22-55-2301	22-55-2301	G	30	1.499	1.400	**2.29**	**2.11**	**1.93**	**1.78**
538-22-55-2401	22-55-2401	G	40	1.999	1.900	**3.64**	**3.21**	**2.14**	**1.71**
538-22-55-2501	22-55-2501	G	50	2.499	2.400	**3.87**	**3.41**	**2.73**	**2.42**
Dual Row, Polarized, Version B									
538-22-55-2062	22-55-2062	H	6	.299	.200	**1.34**	**1.21**	**1.14**	**1.08**
538-22-55-2082	22-55-2082	H	8	.399	.300	**1.04**	**.95**	**.83**	**.79**
538-22-55-2102	22-55-2102	H	10	.499	.400	**1.08**	**.91**	**.79**	**.73**
538-22-55-2122	22-55-2122	H	12	.599	.500	**1.22**	**1.03**	**.87**	**.82**
538-22-55-2142	22-55-2142	H	14	.699	.600	**1.35**	**1.15**	**.98**	**.92**
538-22-55-2162	22-55-2162	H	16	.799	.700	**1.35**	**1.15**	**1.04**	**.97**
Dual Row, Polarized, Version F									
538-22-56-6067	22-56-6067	I	6	.299	.200	**2.45**	**2.10**	**1.58**	**1.30**
538-22-56-6087	22-56-6087	I	8	.399	.300	**1.19**	**1.02**	**.85**	**.74**
538-22-56-6107	22-56-6107	I	10	.499	.400	**2.49**	**2.13**	**1.60**	**1.31**
538-22-56-6127B	22-56-6127	I	12	.599	.500	**1.37**	**1.17**	**1.06**	**.99**
538-22-56-6167	22-56-6167	I	16	.799	.700	**1.47**	**1.26**	**1.07**	**.98**
538-22-56-6187	22-56-6187	I	18	.899	.800	**1.54**	**1.32**	**1.05**	**.97**
538-22-56-6207	22-56-6207	I	20	.999	.900	**3.15**	**2.70**	**2.03**	**1.67**
538-22-56-6307	22-56-6307	I	30	1.490	1.400	**3.68**	**3.15**	**2.36**	**1.94**

CRIMP TERMINALS

- Dual tab strain relief
- Locking tang secures terminal in housing
- Phosphor bronze
- Voltage: 250V
- Current: 3.0A

- Operating Temperature: -40°C to +105°C
- Male use with series 70107
- Female use with series 70066 and 70450
- RoHS compliant per Molex documentation

RoHS Compliant

∗ High Force

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	AWG	Plating	Price Each			
						1	100	500	1000
538-16-02-0117	16-02-0117	J	Male	22-24	30µ" Gold	**.29**	**.26**	**.23**	**.20**
538-16-02-0110	16-02-0110	J	Male	24-30	30µ" Gold	**.29**	**.26**	**.23**	**.20**
538-16-02-0115	16-02-0115	J	Male	22-24	15µ" Gold	**.15**	**.13**	**.11**	**.09**
538-16-02-0109	16-02-0109	J	Male	24-30	15µ" Gold	**.15**	**.13**	**.11**	**.10**
538-16-02-0114	16-02-0114	J	Male	22-24	150µ" Tin	**.10**	**.08**	**.07**	**.05**
538-16-02-0108	16-02-0108	J	Male	24-30	150µ" Tin	**.10**	**.08**	**.07**	**.05**
538-16-02-0104	16-02-0104	K	Female	22-24	30µ" Gold	**.19**	**.17**	**.14**	**.12**
538-16-02-0098	16-02-0098	K	Female	24-30	30µ" Gold	**.19**	**.17**	**.14**	**.12**
538-16-02-0103	16-02-0103	K	Female	22-24	15µ" Gold	**.14**	**.12**	**.10**	**.09**
538-16-02-0097	16-02-0097	K	Female	24-30	15µ" Gold	**.14**	**.12**	**.10**	**.08**
538-16-02-0102	16-02-0102	K	Female	22-24	150µ" Tin	**.10**	**.08**	**.07**	**.06**
538-16-02-0096	16-02-0096	K	Female	24-30	150µ" Tin	**.10**	**.08**	**.07**	**.06**
538-16-02-1125	16-02-1125	K	∗Female	22-24	15µ" Gold	**.22**	**.17**	**.14**	**.11**
538-16-02-1109	16-02-1109	K	∗Female	24-30	15µ" Gold	**.22**	**.17**	**.14**	**.11**
538-16-02-1114	16-02-1114	K	∗Female	22-24	150µ" Tin	**.13**	**.11**	**.09**	**.08**
538-16-02-1116	16-02-1116	K	∗Female	24-30	150µ" Tin	**.13**	**.11**	**.09**	**.08**

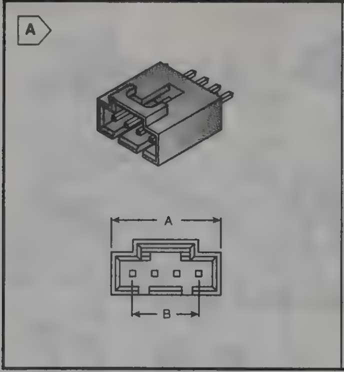
TOOLS

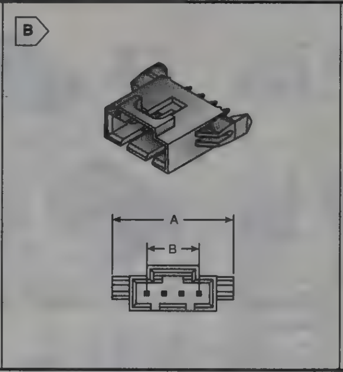
For quantities of 5 and up, call for quote.

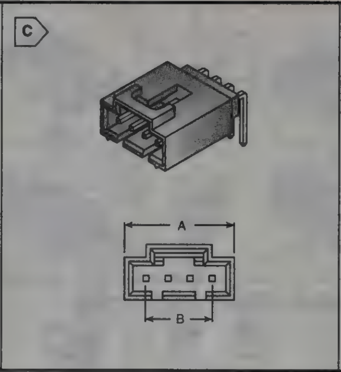
MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-11-01-0208	11-01-0208	Hand Crimp Tool, 22-24 AWG	**197.00**
538-11-01-0209	11-01-0209	Hand Crimp Tool, 24-30 AWG	**197.00**
538-11-02-0022	11-02-0022	Insertion Tool	**16.11**
538-11-03-0036	11-03-0036	Extraction Tool	**13.40**

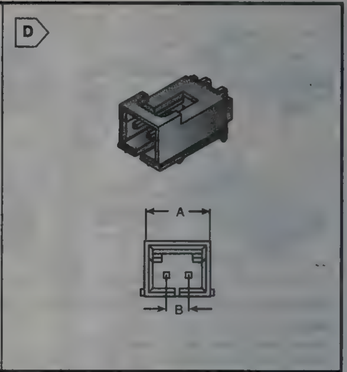
MOLEX 2.54mm (.100") SL™ Shrouded PCB Headers

RoHS Compliant This page of product is compliant.









SINGLE ROW, VERTICAL

Specifications:

- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square
- Operating Temperature: -40 to +105°C
- Voltage: 250V
- Current: 3.0A
- .120" Pocket

LR19980 E29179 RoHS Compliant

PCB Headers

Features:

- Locking crown secures positive latch to header
- Standoffs minimize flux retention
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Mates with series 70066
- Surface mount compatible
- Wire to board
- RoHS Compliant per Molex documentation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Contact Plating	Dim. (In.)		Price Each			
					A	B	1	10	100	500
538-70543-0036	70543-0036	A	2	Tin	.29	.10	.82	.68	.54	.42
538-70543-0001	70543-0001	A	2	15μ" Gold	.29	.10	.84	.70	.56	.44
538-70543-0106	70543-0106	A	2	30μ" Gold	.29	.10	.92	.77	.62	.49
538-70543-0037	70543-0037	A	3	Tin	.40	.20	.79	.66	.52	.41
538-70543-0002	70543-0002	A	3	15μ" Gold	.40	.20	.81	.68	.54	.43
538-70543-0107	70543-0107	A	3	30μ" Gold	.40	.20	1.22	1.02	.93	.86
538-70543-0038	70543-0038	A	4	Tin	.50	.30	.98	.82	.65	.51
538-70543-0003	70543-0003	A	4	15μ" Gold	.50	.30	1.00	.84	.67	.53
538-70543-0108	70543-0108	A	4	30μ" Gold	.50	.30	1.22	1.02	.93	.86
538-70543-0039	70543-0039	A	5	Tin	.60	.40	1.06	.88	.71	.55
538-70543-0004	70543-0004	A	5	15μ" Gold	.60	.40	1.08	.90	.73	.57
538-70543-0109	70543-0109	A	5	30μ" Gold	.60	.40	1.31	1.09	.88	.69
538-70543-0040	70543-0040	A	6	Tin	.70	.50	.98	.82	.66	.52
538-70543-0005	70543-0005	A	6	15μ" Gold	.70	.50	1.17	.98	.79	.62
538-70543-0110	70543-0110	A	6	30μ" Gold	.70	.50	1.39	1.19	.96	.76
538-70543-0006	70543-0006	A	7	15μ" Gold	.80	.60	1.25	1.05	.84	.66
538-70543-0042	70543-0042	A	8	Tin	.90	.70	.90	.78	.61	.47
538-70543-0007	70543-0007	A	8	15μ" Gold	.90	.70	1.34	1.12	.90	.71
538-70543-0112	70543-0112	A	8	30μ" Gold	.90	.70	1.36	1.14	.92	.73
538-70543-0008	70543-0008	A	9	15μ" Gold	1.00	.80	1.47	1.23	.99	.78
538-70543-0044	70543-0044	A	10	Tin	1.10	.90	.91	.85	.74	.63
538-70543-0009	70543-0009	A	10	15μ" Gold	1.10	.90	1.56	1.40	1.26	1.13
538-70543-0010	70543-0010	A	11	15μ" Gold	1.20	1.00	1.69	1.42	1.14	.90
538-70543-0011	70543-0011	A	12	15μ" Gold	1.30	1.10	2.04	1.62	1.35	1.08

Headers with Plastic Tri-Peg

Features:

- Locking crown secures positive latch to header
- Standoffs minimize flux retention
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Mates with series 70066
- Surface mount compatible
- Wire to board
- RoHS Compliant per Molex documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Contact Plating	Dim. (In.)		Price Each			
					A	B	1	10	100	500
538-70545-0001	70545-0001	B	2	Tin	.488	.10	.46	.39	.31	.28
538-70545-0036	70545-0036	B	2	15μ" Gold	.488	.10	.45	.37	.30	.27
538-70545-0071	70545-0071	B	2	30μ" Gold	.488	.10	.60	.50	.40	.36
538-70545-0002	70545-0002	B	3	Tin	.588	.20	.98	.88	.79	.70
538-70545-0037	70545-0037	B	3	15μ" Gold	.588	.20	.53	.44	.35	.32
538-70545-0072	70545-0072	B	3	30μ" Gold	.588	.20	.74	.67	.59	.57
538-70545-0003	70545-0003	B	4	Tin	.69	.30	.58	.49	.45	.40
538-70545-0038	70545-0038	B	4	15μ" Gold	.688	.30	.57	.47	.38	.35
538-70545-0073	70545-0073	B	4	30μ" Gold	.688	.30	.75	.67	.60	.54
538-70545-0039	70545-0039	B	5	15μ" Gold	.788	.40	.65	.55	.44	.40
538-70545-0074	70545-0074	B	5	30μ" Gold	.79	.40	.98	.93	.87	.75
538-70545-0005	70545-0005	B	6	Tin	.89	.50	.62	.51	.40	.36
538-70545-0040	70545-0040	B	6	15μ" Gold	.888	.50	.64	.53	.42	.38
538-70545-0075	70545-0075	B	6	30μ" Gold	.888	.50	1.24	1.18	1.10	1.03
538-70545-0041	70545-0041	B	7	15μ" Gold	.988	.60	.73	.61	.49	.44
538-70545-0042	70545-0042	B	8	15μ" Gold	1.088	.70	.91	.85	.79	.71
538-70545-0077	70545-0077	B	8	30μ" Gold	1.09	.70	1.01	.86	.75	.68
538-70545-0043	70545-0043	B	9	15μ" Gold	1.19	.80	1.15	.99	.86	.79
538-70545-0044	70545-0044	B	10	15μ" Gold	1.288	.90	.97	.81	.65	.59
538-70545-0079	70545-0079	B	10	30μ" Gold	1.288	.90	1.65	1.58	1.46	1.31
538-70545-0046	70545-0046	B	12	15μ" Gold	1.488	1.10	1.10	.92	.73	.66

SINGLE ROW, RIGHT ANGLE, LOW PROFILE

Specifications:

- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square
- Operating Temperature: -40 to +105°C
- Voltage: 250V
- Current: 3.0A
- .120" Pocket

LR19980 E29179 RoHS Compliant

PCB Headers

Features:

- Locking crown secures positive latch to header
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Standoffs minimize flux retention
- Surface mount compatible
- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square
- Mates with series 70066
- Wire to board
- RoHS Compliant per Molex documentation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Contact Plating	Dim. (In.)		Price Each			
					A	B	1	10	100	500
538-70553-0036	70553-0036	C	2	Tin	.29	.10	.79	.66	.53	.42
538-70553-0001	70553-0001	C	2	15μ" Gold	.29	.10	.74	.62	.50	.39
538-70553-0106	70553-0106	C	2	30μ" Gold	.29	.10	.76	.64	.52	.41
538-70553-0037	70553-0037	C	3	Tin	.40	.20	.94	.75	.62	.50
538-70553-0002	70553-0002	C	3	15μ" Gold	.40	.20	.90	.75	.60	.48
538-70553-0038	70553-0038	C	4	Tin	.50	.30	.51	.42	.33	.30
538-70553-0003	70553-0003	C	4	15μ" Gold	.50	.30	.95	.80	.64	.50
538-70553-0108	70553-0108	C	4	30μ" Gold	.50	.30	1.20	1.11	.96	.87
538-70553-0039	70553-0039	C	5	Tin	.60	.40	.95	.80	.64	.50
538-70553-0004	70553-0004	C	5	15μ" Gold	.60	.40	1.08	.90	.73	.57
538-70553-0040	70553-0040	C	6	Tin	.70	.50	.97	.82	.66	.52
538-70553-0005	70553-0005	C	6	15μ" Gold	.70	.50	1.17	.98	.79	.62
538-70553-0006	70553-0006	C	7	15μ" Gold	.80	.60	1.34	1.12	.90	.71
538-70553-0007	70553-0007	C	8	15μ" Gold	.90	.70	1.38	1.15	.93	.73
538-70553-0008	70553-0008	C	9	15μ" Gold	1.00	.80	1.79	1.42	1.18	.95
538-70553-0009	70553-0009	C	10	15μ" Gold	1.10	.90	1.51	1.27	1.02	.80
538-70553-0011	70553-0011	C	12	15μ" Gold	1.30	1.10	1.79	1.50	1.20	.95

Headers with Plastic Tri-Peg

Features:

- Locking crown secures positive latch to header
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Standoffs minimize flux retention
- Surface mount compatible
- Mates with series 70066
- Wire to board
- RoHS Compliant per Molex documentation
- Housing: Black glass filled PCT, UL 94V-0
- Contact: Phosphor bronze, .025" square

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Contact Plating	Dim. (In.)		Price Each			
					A	B	1	10	100	500
538-70555-0001	70555-0001	D	2	Tin	.336	.10	.62	.54	.50	.46
538-70555-0036	70555-0036	D	2	15μ" Gold	.336	.10	.57	.48	.41	.38
538-70555-0071	70555-0071	D	2	30μ" Gold	.336	.10	.82	.74	.67	.60
538-70555-0002	70555-0002	D	3	Tin	.436	.20	.54	.45	.36	.34
538-70555-0037	70555-0037	D	3	15μ" Gold	.436	.20	.58	.49	.39	.36
538-70555-0072	70555-0072	D	3	30μ" Gold	.436	.20	.67	.57	.45	.40
538-70555-0003	70555-0003	D	4	Tin	.536	.30	.61	.51	.41	.37
538-70555-0038	70555-0038	D	4	15μ" Gold	.536	.30	.65	.56	.52	.46
538-70555-0073	70555-0073	D	4	30μ" Gold	.536	.30	.73	.61	.49	.44
538-70555-0004	70555-0004	D	5	Tin	.64	.40	.72	.60	.49	.45
538-70555-0039	70555-0039	D	5	15μ" Gold	.636	.40	.71	.59	.51	.47
538-70555-0074	70555-0074	D	5	30μ" Gold	.636	.40	1.21	1.12	1.04	.93
538-70555-0005	70555-0005	D	6	Tin	.736	.50	1.06	.95	.86	.77
538-70555-0040	70555-0040	D	6	15μ" Gold	.736	.50	1.08	.97	.88	.78
538-70555-0075	70555-0075	D	6	30μ" Gold	.74	.50	1.05	.88	.81	.77
538-70555-0041	70555-0041	D	7	15μ" Gold	.836	.60	.82	.76	.70	.68
538-70555-0042	70555-0042	D	8	15μ" Gold	.936	.70	1.24	1.05	.85	.74
538-70555-0077	70555-0077	D	8	30μ" Gold	.94	.70	1.20	1.02	.89	.82
538-70555-0045	70555-0045	D	11	15μ" Gold	1.236	1.00	1.35	1.20	1.14	1.07

MOLEX C-Grid® Series Dual-Row Breakaway Headers (.100") molex

RoHS Compliant **This page of product is compliant.**

.100" (2.54mm) C-Grid® BREAKAWAY HEADERS

Specifications:

- Current: 3.0A
- Voltage: 250V
- Withstanding voltage: 1500V
- Insulation resistance: 1000MΩ min.
- Housing: thermoplastic, high temperature UL 94V-0
- Contact: phosphor bronze
- Operating temperature: -40°C to +105°C

Features:

- Stackable side-to-side and end-to-end (on unbroken edges)
- Easy breakaway to smaller sizes
- Drawn .025" square wire provides 4-sided smooth surface for quality interface
- Mates with SL crimp and IDT housings
- RoHS Compliant per Molex documentation

Vertical Headers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions (In.)		Price Each			
				A	B	1	10	100	500
Tin Plating									
538-10-89-7041	10-89-7041	A	4	0.19	0.10	.37	.31	.29	.26
538-10-89-7061	10-89-7061	A	6	0.29	0.20	.30	.26	.19	.15
538-10-89-7081	10-89-7081	A	8	0.39	0.30	.40	.35	.25	.20
538-10-89-7101	10-89-7101	A	10	0.49	0.40	.57	.50	.36	.28
538-10-89-7121	10-89-7121	A	12	0.59	0.50	.68	.60	.43	.34
538-10-89-7141	10-89-7141	A	14	0.69	0.60	.91	.80	.57	.46
538-10-89-7161	10-89-7161	A	16	0.79	0.70	1.00	.88	.63	.50
538-10-89-7181	10-89-7181	A	18	0.89	0.80	.51	.47	.43	.35
538-10-89-7201	10-89-7201	A	20	0.99	0.90	.51	.48	.44	.38
538-10-89-7301	10-89-7301	A	30	1.49	1.40	2.11	1.78	1.63	1.48
538-10-89-7801	10-89-7801	A	80	3.99	3.90	5.38	4.71	3.37	2.69
538-70280-0448	70280-0448	A	100	4.99	4.90	6.98	5.88	5.39	4.90
15μ" Selective Gold Plating									
538-10-89-7042	10-89-7042	A	4	0.19	0.10	.25	.22	.16	.14
538-10-89-7062	10-89-7062	A	6	0.29	0.20	.36	.31	.22	.18
538-10-89-7082	10-89-7082	A	8	0.39	0.30	.48	.42	.30	.24
538-10-89-7102	10-89-7102	A	10	0.49	0.40	.68	.60	.43	.34
538-10-89-7122	10-89-7122	A	12	0.59	0.50	.82	.72	.51	.41
538-10-89-7142	10-89-7142	A	14	0.69	0.60	.96	.84	.60	.48
538-10-89-7162	10-89-7162	A	16	0.79	0.70	1.21	1.06	.76	.61
538-10-89-7182	10-89-7182	A	18	0.89	0.80	.85	.77	.69	.60
538-10-89-7202	10-89-7202	A	20	0.99	0.90	1.45	1.27	.91	.73
538-10-89-7242	10-89-7242	A	24	1.19	1.10	2.09	1.83	1.31	1.05
538-10-89-7262	10-89-7262	A	26	1.29	1.20	1.89	1.65	1.18	.94
538-10-89-7302	10-89-7302	A	30	1.49	1.40	2.18	1.91	1.36	1.09
538-10-89-7342	10-89-7342	A	34	1.69	1.60	2.47	2.16	1.54	1.23
538-10-89-7402	10-89-7402	A	40	1.99	1.90	2.90	2.54	1.81	1.45
538-10-89-7802	10-89-7802	A	80	3.99	3.90	6.65	5.82	4.16	3.33
538-70280-0458	70280-0458	A	100	4.99	4.90	8.55	7.20	5.18	4.11

SMT Headers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	A	B	1	10	100	500
Tin Plating									
538-15-91-2040	15-91-2040	B	4	0.20	0.10	.68	.58	.53	.48
538-15-91-2060	15-91-2060	B	6	0.30	0.20	1.26	1.04	.69	.59
538-15-91-2080	15-91-2080	B	8	0.40	0.30	.94	.79	.73	.66
538-15-91-2100	15-91-2100	B	10	0.50	0.40	1.49	1.15	.96	.77
538-15-91-2120	15-91-2120	B	12	0.60	0.50	1.40	1.18	1.08	.98
538-15-91-2140	15-91-2140	B	14	0.70	0.60	1.62	1.37	1.25	1.14
538-15-91-2160	15-91-2160	B	16	0.80	0.70	1.85	1.56	1.43	1.30
538-15-91-2180	15-91-2180	B	18	0.90	0.80	2.11	1.78	1.63	1.48
538-15-91-2200	15-91-2200	B	20	1.00	0.90	1.91	1.70	1.14	.98
538-15-91-2300	15-91-2300	B	30	1.50	1.40	3.25	2.74	2.51	2.28
15μ" Selective Gold Plating									
538-15-91-0060	15-91-0060	B	6	0.30	0.20	.75	.68	.57	.36
538-15-91-0080	15-91-0080	B	8	0.40	0.30	1.05	.89	.81	.74
538-15-91-0100	15-91-0100	B	10	0.50	0.40	.97	.88	.80	.73
538-15-91-0120	15-91-0120	B	12	0.60	0.50	1.60	1.34	1.23	1.12
538-15-91-0140	15-91-0140	B	14	0.70	0.60	1.00	.92	.85	.78
538-15-91-0160	15-91-0160	B	16	0.80	0.70	1.46	1.25	1.04	.98
538-15-91-0180	15-91-0180	B	18	0.90	0.80	2.37	1.99	1.83	1.66
538-15-91-0200	15-91-0200	B	20	1.00	0.90	3.73	3.05	2.58	2.43
538-15-91-0300	15-91-0300	B	30	1.50	1.40	3.73	3.14	2.88	2.62

Right Angle Headers

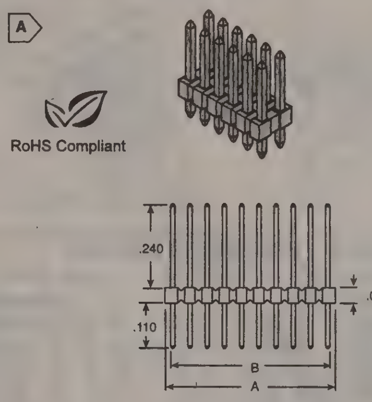
For quantities of 1000 and up, call for quote.

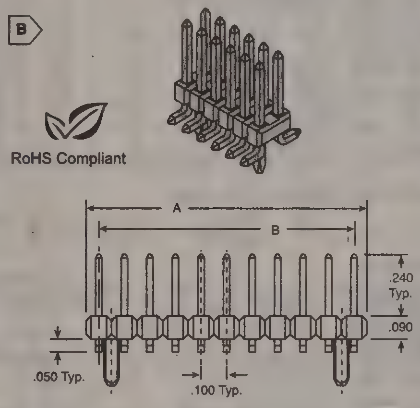
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	A	B	1	10	100	500
Tin									
538-71764-0006	71764-0006	C	6	0.29	0.20	1.11	.94	.86	.78
538-71764-0008	71764-0008	C	8	0.39	0.30	1.31	1.10	1.01	.92
538-71764-0010	71764-0010	C	10	0.48	0.40	1.45	1.22	1.12	1.02
538-71764-0012	71764-0012	C	12	0.59	0.50	1.74	1.46	1.34	1.22
538-71764-0014	71764-0014	C	14	0.69	0.60	1.91	1.61	1.47	1.34
538-71764-0016	71764-0016	C	16	0.79	0.70	2.00	1.68	1.54	1.40
538-71764-0018	71764-0018	C	18	0.89	0.80	2.17	1.82	1.67	1.52
538-71764-0020	71764-0020	C	20	0.99	0.90	2.34	1.97	1.80	1.64
538-71764-0030	71764-0030	C	30	1.49	1.40	3.48	2.93	2.68	2.44
15μ" Selective Gold Plating									
538-71764-0106	71764-0106	C	6	0.29	0.20	.82	.74	.67	.60
538-71764-0108	71764-0108	C	8	0.39	0.30	1.80	1.51	1.39	1.26
538-71764-0110	71764-0110	C	10	0.48	0.40	2.25	1.90	1.74	1.58
538-71764-0112	71764-0112	C	12	0.59	0.50	1.71	1.54	1.38	1.25
538-71764-0114	71764-0114	C	14	0.69	0.60	2.91	2.45	2.24	2.04
538-71764-0116	71764-0116	C	16	0.79	0.70	2.28	2.05	1.85	1.66
538-71764-0118	71764-0118	C	18	0.89	0.80	3.68	3.10	2.84	2.58
538-71764-0120	71764-0120	C	20	0.99	0.90	3.71	3.12	2.86	2.60
538-71764-0130	71764-0130	C	30	1.49	1.40	4.87	4.10	3.76	3.42

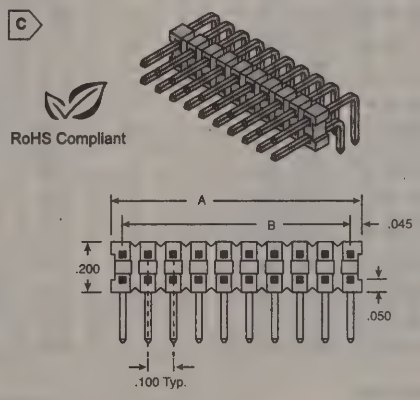
Shunt / Jumpers

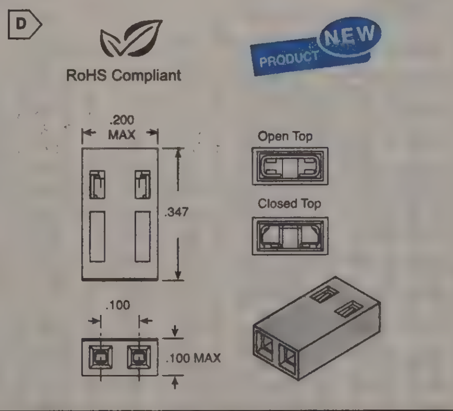
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Plating	Price Each			
					1	10	100	500
538-15-29-1024	15-29-1024	D	Open Top	15μ" Gold	.20	.18	.16	.14
538-15-29-1026	15-29-1026	D	Open Top	30μ" Gold	.22	.20	.18	.16
538-15-38-1024	15-38-1024	D	Open Top	150μ" Tin	.18	.16	.14	.12
538-15-29-1025	15-29-1025	D	Closed Top	15μ" Gold	.20	.18	.16	.14
538-15-29-1027	15-29-1027	D	Closed Top	30μ" Gold	.22	.20	.18	.16
538-15-38-1026	15-38-1026	D	Closed Top	150μ" Tin	.18	.16	.14	.12

DIMENSIONS: in.



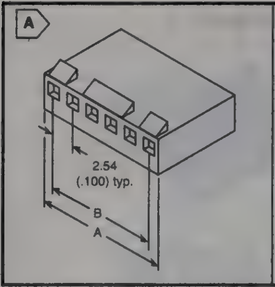


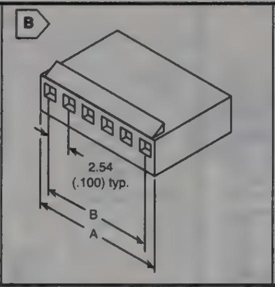


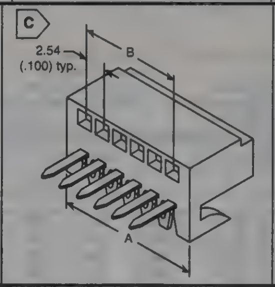


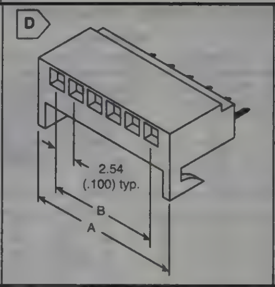
MOLEX KK® Series (.100")

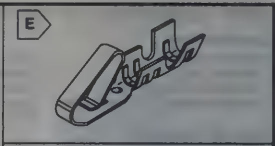
Products may be RoHS compliant.
Check mouser.com for RoHS status.

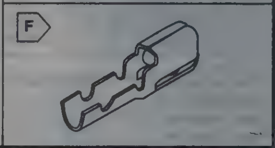












.100" CRIMP TERMINAL HOUSINGS

- Housing: Nylon, UL94V-0
- Voltage: 250V
- Current: Phosphor Bronze-4.0A max; Brass-2.5A max.
- RoHS Compliant per Molex documentation

RoHS Compliant

With Locking Ramp

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	DIMENSIONS: mm		Price Each			
				A	B	1	10	100	500
538-22-01-2027	22-01-2027	A	2	5.6	2.54	.20	.17	.11	.09
538-22-01-2037	22-01-2037	A	3	8.1	5.08	.25	.22	.14	.11
538-22-01-2047	22-01-2047	A	4	10.7	7.62	.30	.26	.17	.14
538-22-01-2057	22-01-2057	A	5	13.2	10.16	.36	.31	.20	.16
538-22-01-2067	22-01-2067	A	6	15.8	12.70	.40	.35	.23	.19
538-22-01-2077	22-01-2077	A	7	18.3	15.24	.46	.40	.27	.21
538-22-01-2087	22-01-2087	A	8	20.9	17.78	.51	.45	.30	.24
538-22-01-2097	22-01-2097	A	9	23.4	20.32	.56	.49	.33	.26
538-22-01-2107	22-01-2107	A	10	25.9	22.86	.62	.54	.36	.29
538-22-01-2117	22-01-2117	A	11	28.5	25.40	.67	.59	.39	.31
538-22-01-2127	22-01-2127	A	12	31.0	27.94	.72	.63	.42	.34

With Locking Ramp And Polarizing Ribs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	DIMENSIONS: mm		Price Each			
				A	B	1	10	100	500
538-22-01-3027	22-01-3027	A	2	5.6	2.54	.22	.19	.12	.10
538-22-01-3037	22-01-3037	A	3	8.1	5.08	.27	.23	.15	.14
538-22-01-3047	22-01-3047	A	4	10.7	7.62	.33	.29	.19	.15
538-22-01-3057	22-01-3057	A	5	13.2	10.16	.39	.34	.23	.18
538-22-01-3067	22-01-3067	A	6	15.8	12.70	.45	.39	.26	.21
538-22-01-3077	22-01-3077	A	7	18.3	15.24	.51	.45	.30	.24
538-22-01-3087	22-01-3087	A	8	20.9	17.78	.58	.51	.34	.27
538-22-01-3097	22-01-3097	A	9	23.4	20.32	.63	.55	.37	.29
538-22-01-3107	22-01-3107	A	10	25.9	22.86	.70	.60	.40	.32
538-22-01-3117	22-01-3117	A	11	28.5	25.40	.75	.66	.44	.35
538-22-01-3127	22-01-3127	A	12	31.0	27.94	.81	.71	.47	.37

.100" PCB RECEPTACLES

- UL94V-0
- End-to-End stackable
- Contact: Brass
- Voltage: 250V
- Temperature: 0 to +75°C
- Current: 2.5A max.

Tin Plating

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	DIMENSIONS: mm		Price Each			
				A	B	1	10	100	500
Bottom Entry									
538-22-14-2024	22-14-2024	C	2	4.98	2.54	.34	.30	.20	.19
538-22-14-2034	22-14-2034	C	3	7.52	5.08	.47	.41	.27	.21
538-22-14-2044	22-14-2044	C	4	10.06	7.62	.59	.52	.34	.27
538-22-14-2054	22-14-2054	C	5	12.60	10.16	.72	.63	.42	.40
538-22-14-2064	22-14-2064	C	6	15.14	12.70	.84	.74	.49	.39
538-22-14-2074	22-14-2074	C	7	17.68	15.24	.96	.85	.56	.45
538-22-14-2084	22-14-2084	C	8	20.22	17.78	1.02	.90	.60	.48
538-22-14-2094	22-14-2094	C	9	22.76	20.32	1.44	1.18	.84	.67
538-22-14-2104	22-14-2104	C	10	25.30	22.86	1.59	1.35	1.11	1.01
538-22-14-2114	22-14-2114	C	11	27.84	25.40	1.68	1.47	1.18	1.08
538-22-14-2124	22-14-2124	C	12	30.38	27.94	1.76	1.54	1.25	1.14
Top Entry									
538-22-02-2025	22-02-2025	D	2	4.98	2.54	.24	.21	.19	.17
538-22-02-2035	22-02-2035	D	3	7.52	5.08	.39	.35	.24	.20
538-22-02-2045	22-02-2045	D	4	10.06	7.62	.49	.43	.28	.22
538-22-02-2055	22-02-2055	D	5	12.60	10.16	.63	.56	.51	.46
538-22-02-2065	22-02-2065	D	6	15.14	12.70	.73	.60	.43	.34
538-22-02-2075	22-02-2075	D	7	17.68	15.24	.85	.75	.50	.40
538-22-02-2085	22-02-2085	D	8	20.22	17.78	.93	.84	.58	.46
538-22-02-2095	22-02-2095	D	9	22.76	20.32	.84	.75	.68	.61
538-22-02-2105	22-02-2105	D	10	25.30	22.86	1.22	1.07	.71	.57
538-22-02-2115	22-02-2115	D	11	27.84	25.40	1.32	1.19	1.06	.96
538-22-02-2125	22-02-2125	D	12	30.38	27.94	1.45	1.19	.85	.68

Gold Plating

For quantities of 1000 and up, call for quote.

Bottom Entry									
538-22-17-3022	22-17-3022	C	2	4.98	2.54	.39	.33	.24	.21
538-22-17-3032	22-17-3032	C	3	7.52	5.08	.58	.50	.36	.32
538-22-17-3042	22-17-3042	C	4	10.06	7.62	.78	.68	.49	.43
538-22-17-3052	22-17-3052	C	5	12.60	10.16	.96	.83	.59	.53
538-22-17-3062	22-17-3062	C	6	15.14	12.70	1.10	.95	.68	.61
538-22-17-3072	22-17-3072	C	7	17.68	15.24	1.28	1.10	.79	.70
538-22-17-3082	22-17-3082	C	8	20.22	17.78	1.45	1.25	.90	.80
538-22-17-3092	22-17-3092	C	9	22.76	20.32	1.74	1.50	1.08	.96
538-22-17-3102	22-17-3102	C	10	25.30	22.86	1.94	1.68	1.21	1.07
538-22-17-3112	22-17-3112	C	11	27.84	25.40	2.12	1.83	1.31	1.17
Top Entry									
538-22-18-2021	22-18-2021	D	2	4.98	2.54	.28	.24	.19	.18
538-22-18-2031	22-18-2031	D	3	7.52	5.08	.49	.43	.31	.27
538-22-18-2041	22-18-2041	D	4	10.06	7.62	.64	.55	.40	.35
538-22-18-2051	22-18-2051	D	5	12.60	10.16	.87	.75	.54	.48
538-22-18-2061	22-18-2061	D	6	15.14	12.70	1.04	.90	.65	.58
538-22-18-2071	22-18-2071	D	7	17.68	15.24	1.22	1.05	.76	.67
538-22-18-2081	22-18-2081	D	8	20.22	17.78	1.39	1.20	.86	.77
538-22-18-2091	22-18-2091	D	9	22.76	20.32	1.57	1.35	.97	.86
538-22-18-2101	22-18-2101	D	10	25.30	22.86	1.74	1.50	1.08	.96
538-22-18-2111	22-18-2111	D	11	27.84	25.40	2.03	1.75	1.26	1.12
538-22-18-2121	22-18-2121	D	12	30.38	27.94	2.20	1.90	1.37	1.22

.100" HIGH PRESSURE / VIBRATION TERMINAL HOUSINGS

- Housing: Red Nylon. UL 94-0
- Current: 2.5A
- RoHS Compliant per Molex documentation
- Voltage: 250V

With Locking Ramp And Polarizing Ribs

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	DIMENSIONS: mm		Price Each			
				A	B	1	10	100	500
538-10-11-2023	10-11-2023	B	2	5.64	2.54	.20	.17	.11	.09
538-10-11-2033	10-11-2033	B	3	8.18	5.08	.33	.27	.18	.15
538-10-11-2043	10-11-2043	B	4	10.72	7.62	.38	.32	.20	.17
538-10-11-2053	10-11-2053	B	5	13.26	10.16	.44	.36	.23	.19
538-10-11-2063	10-11-2063	B	6	15.80	12.70	.67	.56	.36	.30
538-10-11-2073	10-11-2073	B	7	18.34	15.24	.73	.60	.39	.32
538-10-11-2083	10-11-2083	B	8	20.88	17.78	.92	.77	.50	.41
538-10-11-2093	10-11-2093	B	9	23.42	20.32	.60	.54	.36	.30
538-10-11-2103	10-11-2103	B	10	25.96	22.86	1.17	.97	.63	.51
538-10-11-2113	10-11-2113	B	11	28.50	25.40	1.27	1.06	.70	.58
538-10-11-2123	10-11-2123	B	12	31.04	27.94	1.24	1.03	.67	.55

.100" CRIMP TERMINALS

- Wire gauge: 22-30 AWG
- RoHS Compliant per Molex documentation
- For use with Fig. A

RoHS Compliant

MOUSER STOCK NO.	Molex Part No.	Fig.	Contact	Plating	Price Each		
					1	100	500
538-08-50-0114	08-50-0114	E	Brass	Tin	.07	.06	.05
538-08-56-0110	08-56-0110	E	Brass	Gold	.45	.40	.38
538-08-55-0102	08-55-0102	E	Brass	* Select Gold	.24	.19	.15
538-08-52-0123	08-52-0123	E	Phos. Bronze	Tin	.09	.08	.07
538-08-65-0814	08-65-0814	E	Phos. Bronze	Gold	.54	.46	.41
538-08-65-0816	08-65-0816	E	Phos. Bronze	* Select Gold	.15	.14	.13

* Select Gold (Au) is gold only on the mating area

.100" HIGH PRESSURE CRIMP TERMINALS

- High vibration applications.
- Wire gauge: 22-30 AWG
- RoHS Compliant per Molex documentation
- For use with Fig. B

538-08-50-0005	08-50-0005	F	Brass	Tin/Copper	.20	.15	.11
538-08-55-0129	08-55-0129	F	Brass	* Select Gold	.40	.29	.25

* Select Gold (Au) is gold only on the mating area

POLARIZING KEYS AND PEGS

- UL94V-2, Nylon
- Snap fit into housings
- RoHS Compliant per Molex documentation

RoHS Compliant

MOUSER STOCK NO.	Molex Part No.	Description	Price Each		
			1	100	500
538-15-04-9209	15-04-9209	Key	.16	.10	.09
538-15-04-9210	15-04-9210	Peg	.16	.12	.11

DESIGNER/SERVICE KIT

- Includes: connectors, crimp tool, extraction tool, & storage case

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-KK-100	KK-100	.100", 82 connectors	45.98

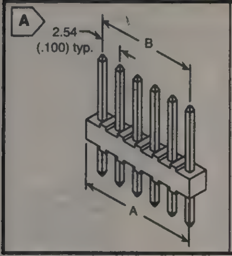
TOOLS

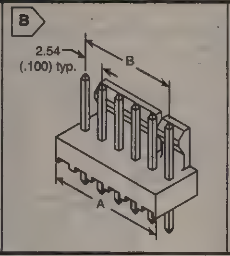
For quantities of 5 and up, call for quote.

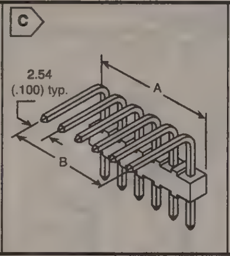
538-11-03-0022	11-03-0022	Extraction tool	9.08
538-11-01-0185	11-01-0185	Hand Crimp Tool	180.00
538-63812-0000	63812-0000	Insertion tool	13.40

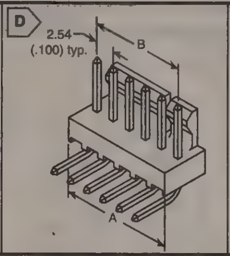
MOLEX KK ® Series Headers (.100")

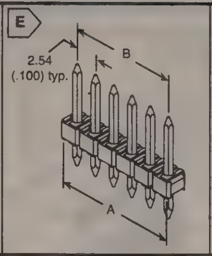
molex
one company › a world of innovation

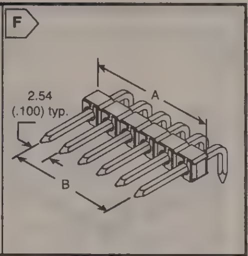
A


B


C


D


E


F


.100" PCB HEADERS

- Contact: Brass, 0.64mm (.025") square pins
- UL94V-0, White Nylon
- Voltage: 250V
- Current: 4.0A
- RoHS compliant per Molex documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm)		Price Each			
				A	B	1	10	100	500
Vertical, Tin Plating									
538-22-03-2021	22-03-2021	A	2	4.83	2.54	.12	.11	.10	.09
538-22-03-2031	22-03-2031	A	3	7.37	5.08	.18	.17	.15	.12
538-22-03-2041	22-03-2041	A	4	9.91	7.62	.24	.22	.20	.15
538-22-03-2051	22-03-2051	A	5	12.45	10.16	.30	.27	.25	.23
538-22-03-2061	22-03-2061	A	6	14.99	12.7	.36	.33	.29	.21
538-22-03-2071	22-03-2071	A	7	17.53	15.24	.70	.54	.35	.28
538-22-03-2081	22-03-2081	A	8	20.07	17.78	.42	.39	.35	.25
538-22-03-2091	22-03-2091	A	9	22.61	20.32	.79	.61	.40	.32
538-22-03-2101	22-03-2101	A	10	25.15	22.86	.48	.44	.39	.28
538-22-03-2111	22-03-2111	A	11	27.69	25.4	.88	.68	.44	.35
538-22-03-2121	22-03-2121	A	12	30.23	27.94	.58	.53	.47	.34
Vertical, Gold Plating									
538-22-10-2021	22-10-2021	A	2	4.83	2.54	.53	.47	.31	.25
538-22-10-2031	22-10-2031	A	3	7.37	5.08	.73	.60	.43	.34
538-22-10-2041	22-10-2041	A	4	9.91	7.62	.95	.77	.55	.44
538-22-10-2051	22-10-2051	A	5	12.45	10.16	1.16	1.02	.68	.54
538-22-10-2061	22-10-2061	A	6	14.99	12.7	1.37	1.20	.80	.64
538-22-10-2071	22-10-2071	A	7	17.53	15.24	1.63	1.42	.93	.75
538-22-10-2081	22-10-2081	A	8	20.07	17.78	1.72	1.51	1.01	.80
538-22-10-2091	22-10-2091	A	9	22.61	20.32	1.92	1.69	1.13	.90
538-22-10-2101	22-10-2101	A	10	25.15	22.86	2.12	1.87	1.24	.99
538-22-10-2111	22-10-2111	A	11	27.69	25.4	2.34	2.06	1.92	1.73
538-22-10-2121	22-10-2121	A	12	30.23	27.94	2.53	2.23	1.48	1.19
Vertical Friction Lock, Tin Plating									
538-22-23-2021	22-23-2021	B	2	5.08	2.54	.29	.25	.17	.13
538-22-23-2031	22-23-2031	B	3	7.62	5.08	.37	.32	.21	.17
538-22-23-2041	22-23-2041	B	4	10.16	7.62	.44	.38	.25	.20
538-22-23-2051	22-23-2051	B	5	12.7	10.16	.51	.44	.29	.23
538-22-23-2061	22-23-2061	B	6	15.24	12.7	.57	.50	.33	.26
538-22-23-2071	22-23-2071	B	7	17.78	15.24	.65	.57	.38	.30
538-22-23-2081	22-23-2081	B	8	20.32	17.78	.74	.65	.43	.34
538-22-23-2091	22-23-2091	B	9	22.86	20.32	.82	.72	.48	.38
538-22-23-2101	22-23-2101	B	10	25.4	22.86	.82	.72	.48	.38
538-22-23-2111	22-23-2111	B	11	27.94	25.4	.90	.79	.53	.42
538-22-23-2121	22-23-2121	B	12	30.48	27.94	.97	.85	.57	.45
Vertical Friction Lock, Gold Plating									
538-22-11-2022	22-11-2022	B	2	5.08	2.54	.59	.51	.34	.27
538-22-11-2032	22-11-2032	B	3	7.62	5.08	.90	.79	.52	.42
538-22-11-2042	22-11-2042	B	4	10.16	7.62	.92	.81	.54	.43
538-22-11-2052	22-11-2052	B	5	12.7	10.16	1.27	1.11	.74	.59
538-22-11-2062	22-11-2062	B	6	15.24	12.7	1.39	1.22	.81	.65
538-22-11-2072	22-11-2072	B	7	17.78	15.24	1.60	1.41	.94	.75
538-22-11-2082	22-11-2082	B	8	20.32	17.78	1.67	1.47	.98	.78
538-22-11-2092	22-11-2092	B	9	22.86	20.32	1.87	1.65	1.10	.88
538-22-11-2102	22-11-2102	B	10	25.4	22.86	2.07	1.82	1.21	.97
538-22-11-2112	22-11-2112	B	11	27.94	25.4	2.27	2.00	1.58	1.25
538-22-11-2122	22-11-2122	B	12	30.48	27.94	2.46	2.17	1.44	1.15

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm)		Price Each			
				A	B	1	10	100	500
Right Angle, Tin Plating									
538-22-05-2021	22-05-2021	C	2	4.83	2.54	.13	.12	.11	.08
538-22-05-2031	22-05-2031	C	3	7.37	5.08	.20	.18	.16	.12
538-22-05-2041	22-05-2041	C	4	9.91	7.62	.27	.24	.22	.20
538-22-05-2051	22-05-2051	C	5	12.45	10.16	.33	.30	.27	.25
538-22-05-2061	22-05-2061	C	6	14.99	12.7	.40	.37	.33	.26
538-22-05-2071	22-05-2071	C	7	17.53	15.24	.78	.60	.39	.31
538-22-05-2081	22-05-2081	C	8	20.07	17.78	.54	.49	.44	.31
538-22-05-2091	22-05-2091	C	9	22.61	20.32	.70	.67	.63	.56
538-22-05-2101	22-05-2101	C	10	25.15	22.86	.61	.55	.50	.36
538-22-05-2111	22-05-2111	C	11	27.69	25.4	.85	.76	.62	.54
538-22-05-2121	22-05-2121	C	12	30.23	27.94	.77	.68	.62	.45
Right Angle, Gold Plating									
538-22-12-2021	22-12-2021	C	2	4.83	2.54	.48	.44	.39	.35
538-22-12-2031	22-12-2031	C	3	7.37	5.08	.63	.54	.45	.35
538-22-12-2041	22-12-2041	C	4	9.91	7.62	.94	.83	.56	.49
538-22-12-2051	22-12-2051	C	5	12.45	10.16	1.04	.93	.74	.58
538-22-12-2061	22-12-2061	C	6	14.99	12.7	1.07	.96	.68	.57
538-22-12-2071	22-12-2071	C	7	17.53	15.24	1.53	1.24	.98	.84
538-22-12-2081	22-12-2081	C	8	20.07	17.78	1.54	1.38	1.05	.90
538-22-12-2091	22-12-2091	C	9	22.61	20.32	1.75	1.59	1.33	1.09
538-22-12-2101	22-12-2101	C	10	25.15	22.86	1.75	1.58	1.40	1.26
538-22-12-2111	22-12-2111	C	11	27.69	25.4	1.98	1.65	1.48	1.27
538-22-12-2121	22-12-2121	C	12	30.23	27.94	1.61	1.29	1.17	1.10
Right Angle Friction Lock, Tin Plating									
538-22-05-3021	22-05-3021	D	2	5.08	2.54	.47	.41	.27	.22
538-22-05-3031	22-05-3031	D	3	7.62	5.08	.44	.41	.40	.35
538-22-05-3041	22-05-3041	D	4	10.16	7.62	.62	.59	.56	.50
538-22-05-3051	22-05-3051	D	5	12.7	10.16	.64	.61	.58	.52
538-22-05-3061	22-05-3061	D	6	15.24	12.7	.70	.66	.63	.56
538-22-05-3071	22-05-3071	D	7	17.78	15.24	.77	.73	.69	.61
538-22-05-3081	22-05-3081	D	8	20.32	17.78	.85	.81	.76	.68
538-22-05-3091	22-05-3091	D	9	22.86	20.32	.81	.77	.73	.65
538-22-05-3101	22-05-3101	D	10	25.4	22.86	.97	.90	.87	.78
538-22-05-3111	22-05-3111	D	11	27.94	25.4	.90	.84	.80	.72
538-22-05-3121	22-05-3121	D	12	30.48	27.94	1.00	.95	.90	.78
Right Angle Friction Lock, Gold Plating									
538-22-12-2024	22-12-2024	D	2	5.08	2.54	.99	.87	.58	.46
538-22-12-2034	22-12-2034	D	3	7.62	5.08	1.25	1.10	.73	.58
538-22-12-2044	22-12-2044	D	4	10.16	7.62	1.19	1.13	1.05	.90
538-22-12-2054	22-12-2054	D	5	12.7	10.16	1.60	1.41	.94	.75
538-22-12-2064	22-12-2064	D	6	15.24	12.7	1.43	1.36	1.28	1.14
538-22-12-2074	22-12-2074	D	7	17.78	15.24	1.27	1.21	1.14	1.02
538-22-12-2084	22-12-2084	D	8	20.32	17.78	1.63	1.50	1.40	1.30
538-22-12-2094	22-12-2094	D	9	22.86	20.32	1.61	1.50	1.40	1.20
538-22-12-2104	22-12-2104	D	10	25.4	22.86	2.03	1.90	1.80	1.60
538-22-12-2114	22-12-2114	D	11	27.94	25.4	2.68	2.39	1.87	1.48
538-22-12-2124	22-12-2124	D	12	30.48	27.94	2.90	2.39	1.70	1.63

.100" BREAKAWAY HEADERS - PCB

- Voltage: 250V
- Current: 4.0A
- RoHS compliant per Molex documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

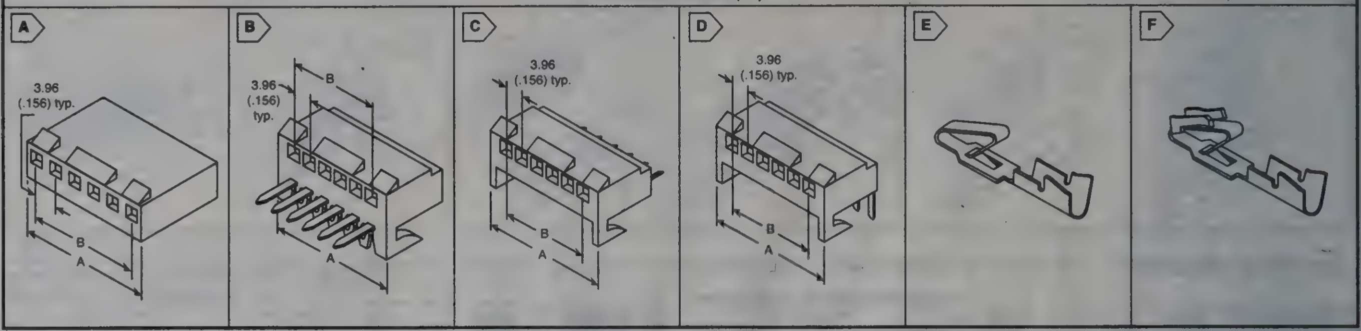
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm)		Price Each			
				A	B	1	10	100	500
Vertical, Tin Plating									
538-22-28-4020	22-28-4020	E	2	5.08	2.54	.27	.23	.17	.13
538-22-28-4030	22-28-4030	E	3	7.62	5.08	.23	.22	.18	.14
538-22-28-4040	22-28-4040	E	4	10.16	7.62	.35	.31	.21	.16
538-22-28-4050	22-28-4050	E	5	12.7	10.16	.40	.36	.24	.17
538-22-28-4060	22-28-4060	E	6	15.24	12.7	.42	.36	.24	.17
538-22-28-4070	22-28-4070	E	7	17.78	15.24	.42	.38	.34	.30
538-22-28-4080	22-28-4080	E	8	20.32	17.78	.48	.42	.28	.22
538-22-28-4090	22-28-4090	E	9	22.86	20.32	.55	.47	.31	.24
538-22-28-4100	22-28-4100	E	10	25.4	22.86	.56	.48	.32	.25
538-22-28-4360	22-28-4360	E	36	91.44	88.9	1.14	.99	.74	.61
Vertical, Gold Plating									
538-22-28-4023	22-28-4023	E	2	5.08	2.54	.25	.23	.18	.14
538-22-28-4033	22-28-4033	E	3	7.62	5.08	.35	.31	.22	.17
538-22-28-4043	22-28-4043	E	4	10.16	7.62	.36	.32	.23	.18
538-22-28-4053	22-28-4053	E	5	12.7	10.16	.37	.33	.24	.19
538-22-28-4063	22-28-4063	E	6	15.24	12.7	.37	.33	.24	.19

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm)		Price Each			
				A	B	1	10	100	500
Vertical, Gold Plating (Cont.)									
538-22-28-4073	22-28-4073	E	7	17.78	15.24	.39	.36	.33	.30
538-22-28-4083	22-28-4083	E	8	20.32	17.78	.38	.34	.25	.20
538-22-28-4093	22-28-4093	E	9	22.86	20.32	.47	.43	.34	.29
538-22-28-4103	22-28-4103	E	10	25.4	22.86	.47	.43	.34	.29
538-22-28-4363	22-28-4363	E	36	91.44	88.9	1.65	1.29	1.10	.89
Right Angle, Tin Plating									
538-22-28-8020	22-28-8020	F	2	5.08	2.54	.14	.13	.12	.11
538-22-28-8030	22-28-8030	F	3	7.62	5.08	.25	.23	.18	.14
538-22-28-8040	22-28-8040	F	4	10.16	7.62	.25	.23	.18	.14
538-22-28-8050	22-28-8050	F	5	12.7	10.16	.25	.23	.18	.14
538-22-28-8060	22-28-8060	F	6	15.24	12.7	.26	.24	.19	.16
538-22-28-8070	22-28-8070	F	7	17.78	15.24	.36	.32	.29	.26
538-22-28-8080	22-28-8080	F	8	20.32	17.78	.37	.33	.24	.19
538-22-28-8090	22-28-8090	F	9	22.86	20.32	.38	.35	.32	.29
538-22-28-8100	22-28-8100	F	10	25.4	22.86	.49	.45	.36	.31
538-22-28-8360	22-28-8360	F	36	91.44	88.9	1.63	1.27	1.08	.87

MOLEX KK® Series (.156")

DIMENSIONS: mm (in.)



.156" CRIMP TERMINAL HOUSINGS

- Voltage: 250V AC Max.
- Temperature: 0 to +75°C
- Current: Phosphor Bronze-7.0A max.; Brass-5.0A max.
- RoHS compliant per Molex documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm)		Price Each			
				A	B	1	10	100	500
With Locking Ramp UL94V-2, Nylon									
538-09-50-3021	09-50-3021	A	2	7.92	3.96	.11	.10	.09	.08
538-09-50-3031	09-50-3031	A	3	11.79	7.92	.13	.12	.11	.10
538-09-50-3041	09-50-3041	A	4	15.75	11.89	.22	.20	.15	.11
538-09-50-3051	09-50-3051	A	5	19.71	15.85	.28	.26	.23	.17
538-09-50-3061	09-50-3061	A	6	23.67	19.81	.34	.31	.27	.19
538-09-50-3071	09-50-3071	A	7	27.64	23.77	.39	.36	.31	.22
538-09-50-3081	09-50-3081	A	8	31.60	27.74	.45	.41	.37	.26
538-09-50-3091	09-50-3091	A	9	35.56	31.70	.64	.56	.37	.30
538-09-50-3101	09-50-3101	A	10	39.52	35.66	.72	.63	.42	.33
538-09-50-3111	09-50-3111	A	11	43.48	39.62	.76	.67	.44	.35
538-09-50-3121	09-50-3121	A	12	47.45	43.59	.84	.74	.49	.39
Without Locking Ramp UL94V-2, Nylon									
538-09-50-7021	09-50-7021	A	2	7.92	3.96	.12	.11	.10	.09
538-09-50-7031	09-50-7031	A	3	11.79	7.92	.22	.20	.18	.13
538-09-50-7041	09-50-7041	A	4	15.75	11.89	.22	.20	.15	.11
538-09-50-7051	09-50-7051	A	5	19.71	15.85	.28	.26	.23	.17
538-09-50-7061	09-50-7061	A	6	23.67	19.81	.34	.31	.28	.20
538-09-50-7071	09-50-7071	A	7	27.64	23.77	.34	.31	.26	.19
538-09-50-7081	09-50-7081	A	8	31.60	27.74	.54	.48	.43	.39
538-09-50-7091	09-50-7091	A	9	35.56	31.70	.55	.50	.45	.32
538-09-50-7101	09-50-7101	A	10	39.52	35.66	.63	.57	.52	.37
538-09-50-7111	09-50-7111	A	11	43.48	39.62	.51	.44	.39	.33

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm)		Price Each			
				A	B	1	10	100	500
With Locking Ramp and Polarizing Ribs UL94V-0, Polyester									
538-09-50-8023	09-50-8023	A	2	8.79	3.96	.23	.19	.13	.11
538-09-50-8033	09-50-8033	A	3	12.75	7.92	.31	.27	.18	.14
538-09-50-8043	09-50-8043	A	4	16.71	11.89	.37	.33	.22	.17
538-09-50-8053	09-50-8053	A	5	20.67	15.85	.45	.36	.26	.21
538-09-50-8063	09-50-8063	A	6	24.64	19.81	.51	.45	.30	.24
538-09-50-8073	09-50-8073	A	7	28.60	23.77	.59	.51	.34	.27
538-09-50-8083	09-50-8083	A	8	32.56	27.74	.65	.57	.38	.36
538-09-50-8093	09-50-8093	A	9	36.53	31.70	.72	.63	.42	.33
538-09-50-8103	09-50-8103	A	10	40.49	35.66	.79	.69	.46	.37
538-09-50-8113	09-50-8113	A	11	44.45	39.62	.86	.76	.50	.40
538-09-50-8123	09-50-8123	A	12	48.41	43.59	.93	.82	.54	.43
With Locking Ramp UL94V-0, Polyester									
538-09-50-8021	09-50-8021	A	2	8.79	3.96	.22	.18	.13	.10
538-09-50-8031	09-50-8031	A	3	12.75	7.92	.29	.24	.17	.13
538-09-50-8041	09-50-8041	A	4	16.71	11.89	.36	.31	.20	.16
538-09-50-8051	09-50-8051	A	5	20.67	15.85	.42	.37	.24	.19
538-09-50-8061	09-50-8061	A	6	24.64	19.81	.48	.42	.28	.22
538-09-50-8071	09-50-8071	A	7	28.60	23.77	.56	.49	.32	.26
538-09-50-8081	09-50-8081	A	8	32.56	27.74	.62	.54	.36	.29
538-09-50-8091	09-50-8091	A	9	36.53	31.70	.68	.60	.40	.32
538-09-50-8101	09-50-8101	A	10	40.49	35.66	.75	.65	.43	.35
538-09-50-8111	09-50-8111	A	11	44.45	39.62	.81	.71	.47	.38
538-09-50-8121	09-50-8121	A	12	48.41	43.59	.88	.77	.51	.41

.156" PCB RECEPTACLES • Tin Plated

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm)		Price Each			
				A	B	1	10	100	500
Bottom Entry									
538-09-52-3032	09-52-3032	B	3	11.79	7.92	.59	.48	.59	.30
538-09-52-3042	09-52-3042	B	4	15.75	11.89	.74	.66	.74	.54
538-09-52-3052	09-52-3052	B	5	19.71	15.85	.84	.73	.84	.41
538-09-52-3062	09-52-3062	B	6	23.67	19.81	.98	.87	.98	.54
538-09-52-3072	09-52-3072	B	7	27.64	23.77	1.38	1.24	1.38	.67
538-09-52-3082	09-52-3082	B	8	31.60	27.74	1.29	1.13	1.29	.69
538-09-52-3102	09-52-3102	B	10	39.52	35.66	1.52	1.33	1.52	.71
538-09-52-3122	09-52-3122	B	12	47.75	43.59	1.95	1.76	1.95	.96
Top Entry									
538-09-52-3033	09-52-3033	C	3	11.79	7.92	.52	.45	.52	.27
538-09-52-3043	09-52-3043	C	4	15.75	11.89	.60	.52	.60	.28
538-09-52-3053	09-52-3053	C	5	19.71	15.85	.80	.70	.80	.37
538-09-52-3063	09-52-3063	C	6	23.67	19.81	.97	.88	.97	.70
538-09-52-3073	09-52-3073	C	7	27.64	23.77	1.09	.96	1.09	.51
538-09-52-3083	09-52-3083	C	8	31.60	27.74	1.15	1.01	1.15	.54
538-09-52-3093	09-52-3093	C	9	35.56	31.70	1.19	1.05	1.19	.58

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimen. (mm)		Price Each			
				A	B	1	10	100	500
Top Entry (Cont.)									
538-09-52-3103	09-52-3103	C	10	39.52	35.66	1.27	1.14	1.27	.93
538-09-52-3113	09-52-3113	C	11	43.48	39.62	1.75	1.54	1.75	.82
538-09-52-3123	09-52-3123	C	12	47.75	43.59	1.75	1.57	1.75	1.25
Side Entry									
538-09-52-3021	09-52-3021	D	2	7.82	3.96	.52	.42	.52	.24
538-09-52-3031	09-52-3031	D	3	11.79	7.92	.52	.42	.52	.24
538-09-52-3041	09-52-3041	D	4	15.75	11.89	.65	.55	.65	.37
538-09-52-3051	09-52-3051	D	5	19.71	15.85	.72	.59	.72	.33
538-09-52-3061	09-52-3061	D	6	23.67	19.81	.94	.83	.94	.50
538-09-52-3071	09-52-3071	D	7	27.64	23.77	1.07	.98	1.07	.82
538-09-52-3081	09-52-3081	D	8	31.60	27.74	1.18	1.04	1.18	.55
538-09-52-3091	09-52-3091	D	9	35.56	31.70	1.11	.94	1.11	.78
538-09-52-3101	09-52-3101	D	10	39.52	35.66	1.48	1.30	1.48	.69
538-09-52-3111	09-52-3111	D	11	43.48	39.62	1.75	1.54	1.75	.82
538-09-52-3121	09-52-3121	D	12	47.75	43.59	1.75	1.54	1.75	.82

.156" CRIMP TERMINALS

- Temperature: Phosphor Bronze: 0 to +75°C; Brass: 0 to +50°C
- Current: 5.0A max. using 18 AWG wire

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Material	Plating	Price Each		
						1	100	500
538-08-50-0106	08-50-0106	E	18-20	Brass	Tin	.08	.06	.08
538-08-52-0072	08-52-0072	E	18-20	Ph Bz	Tin	.08	.06	.08
538-08-50-0108	08-50-0108	E	22-26	Brass	Tin	.07	.06	.07
538-08-50-0134	08-50-0134	E	22-26	Ph Bz	Tin	.07	.06	.07
538-08-56-0106	08-56-0106	E	18-20	Brass	Gold	.45	.37	.45
538-08-58-0122	08-58-0122	E	18-20	Ph Bz	Gold	.66	.53	.66
538-08-56-0108	08-56-0108	E	22-26	Brass	Gold	.64	.51	.64
538-08-58-0126	08-58-0126	E	22-26	Ph Bz	Gold	.66	.53	.66
538-08-52-0113	08-52-0113	F	18-20	Ph Bz	Tin	.10	.09	.10
538-08-50-0189	08-50-0189	F	18-20	Brass	Tin	.08	.06	.08
538-08-52-0125	08-52-0125	F	22-26	Ph Bz	Tin	.08	.06	.08
538-08-50-0185	08-50-0185	F	22-26	Brass	Tin	.08	.07	.08
538-08-56-0124	08-56-0124	F	22-26	Ph Bz	Gold	1.18	1.10	1.18

POLARIZING KEYS AND PEGS

- Snap fit into housings
- RoHS compliant per Molex documentation

RoHS Compliant

MOUSER STOCK NO.	Molex Part No.	Description	Price Each		
			1	100	500
538-15-04-0219	15-04-0219	Key	.23	.20	.13
538-15-04-0220	15-04-0220	Peg	.23	.20	.13

DESIGNER/SERVICE KITS

- Includes: connectors, crimp tool, extraction tool, and storage case

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-KK-156	KK-156	.156", 96 connectors	46.71

TOOLS

For quantities of 5 and up, call for quote.

538-11-03-0016	11-03-0016	Extraction tool	13.84
538-63811-7500	63811-7500	Hand crimp tool, 18-24 AWG	225.00
538-63811-2300	63811-2300	Hand crimp tool, 22-26 AWG	214.65

MOLEX KK® Series Headers (.156")

.156" PCB HEADERS

- Current: 7.0A
- Voltage: 250V

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions (mm)		Price Each			
				A	B	1	10	100	500
Vertical Friction Lock, Tin Plating UL94V-0, Polyester									
538-26-60-4020	26-60-4020	A	2	7.77	3.96	.25	.20	.14	.10
538-26-60-4030	26-60-4030	A	3	11.73	7.92	.35	.30	.20	.16
538-26-60-4040	26-60-4040	A	4	15.70	11.89	.44	.38	.25	.20
538-26-60-4050	26-60-4050	A	5	19.66	15.85	.52	.45	.30	.24
538-26-60-4060	26-60-4060	A	6	23.62	19.81	.61	.53	.35	.28
538-26-60-4070	26-60-4070	A	7	27.58	23.77	.69	.60	.40	.32
538-26-60-4080	26-60-4080	A	8	31.55	27.74	.78	.68	.45	.36
538-26-60-4090	26-60-4090	A	9	35.51	31.70	.86	.76	.50	.40
538-26-60-4100	26-60-4100	A	10	39.47	35.66	.95	.83	.55	.44
538-26-60-4110	26-60-4110	A	11	43.43	39.62	1.03	.91	.60	.48
538-26-60-4120	26-60-4120	A	12	47.40	43.59	1.12	.98	.65	.52
Vertical Friction Lock, Gold Plating UL94V-0, Polyester									
538-26-61-4020	26-61-4020	A	2	7.77	3.96	.89	.78	.52	.41
538-26-61-4030	26-61-4030	A	3	11.73	7.92	1.27	1.12	.74	.59
538-26-61-4040	26-61-4040	A	4	15.70	11.89	1.50	1.41	.95	.76
538-26-61-4050	26-61-4050	A	5	19.66	15.85	1.28	1.15	1.03	.92
538-26-61-4060	26-61-4060	A	6	23.62	19.81	1.54	1.15	.96	.77
538-26-61-4070	26-61-4070	A	7	27.58	23.77	1.86	1.67	1.48	1.29
538-26-61-4080	26-61-4080	A	8	31.55	27.74	3.12	2.75	1.83	1.47
538-26-61-4090	26-61-4090	A	9	35.51	31.70	3.50	3.09	2.06	1.64
538-26-61-4100	26-61-4100	A	10	39.47	35.66	3.89	3.42	2.28	1.82
538-26-61-4110	26-61-4110	A	11	43.43	39.62	4.26	3.76	2.50	2.00
538-26-61-4120	26-61-4120	A	12	47.40	43.59	5.05	4.54	3.25	2.65
Right Angle Friction Lock, Tin Plating									
538-26-60-5020	26-60-5020	B	2	7.77	3.96	.28	.24	.16	.13
538-26-60-5030	26-60-5030	B	3	11.73	7.92	.37	.32	.21	.17
538-26-60-5040	26-60-5040	B	4	15.70	11.89	.46	.40	.27	.21
538-26-60-5050	26-60-5050	B	5	19.66	15.85	.55	.48	.32	.25
538-26-60-5060	26-60-5060	B	6	23.62	19.81	.74	.65	.42	.33
538-26-60-5070	26-60-5070	B	7	27.58	23.77	.73	.64	.43	.34
538-26-60-5080	26-60-5080	B	8	31.55	27.74	.82	.72	.62	.52
538-26-60-5090	26-60-5090	B	9	35.51	31.70	.92	.80	.65	.62
538-26-60-5100	26-60-5100	B	10	39.47	35.66	.94	.86	.68	.68
538-26-60-5110	26-60-5110	B	11	43.43	39.62	1.14	1.02	.92	.83
538-26-60-5120	26-60-5120	B	12	47.40	43.59	1.19	1.05	.69	.55
Vertical, Without Pegs, Tin Plating									
538-26-60-2020	26-60-2020	C	2	7.77	3.96	.19	.15	.11	.10
538-26-60-2030	26-60-2030	C	3	11.73	7.92	.31	.23	.13	.12
538-26-60-2040	26-60-2040	C	4	15.70	11.89	.37	.28	.18	.15
538-26-60-2050	26-60-2050	C	5	19.66	15.85	.34	.31	.28	.25
538-26-60-2100	26-60-2100	C	10	39.47	35.66	.68	.64	.62	.51
538-26-60-2120	26-60-2120	C	12	47.40	43.59	.77	.69	.66	.63

.156" BREAKAWAY HEADERS - PCB

- Contact: Brass
- Square pins
- Voltage: 250VAC
- RoHS compliant per Molex documentation
- Current: 7.0A max. (dependent on connection and PC Board)

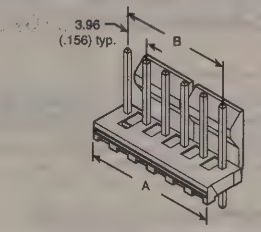
RoHS Compliant

For quantities of 1000 and up, call for quote.

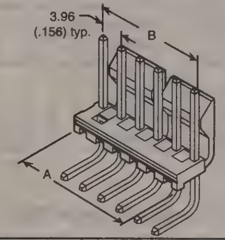
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions (mm)		Price Each			
				A	B	1	10	100	500
Vertical, Tin Plating UL94V-0, Polyester									
538-26-48-1021	26-48-1021	D	2	6.78	3.96	.30	.28	.19	.14
538-26-48-1031	26-48-1031	D	3	10.74	7.92	.26	.19	.11	.10
538-26-48-1041	26-48-1041	D	4	14.71	11.89	.29	.25	.15	.12
538-26-48-1051	26-48-1051	D	5	18.67	15.85	.36	.32	.19	.17
538-26-48-1061	26-48-1061	D	6	22.63	19.81	.44	.42	.39	.37
538-26-48-1071	26-48-1071	D	7	26.59	23.77	.51	.45	.27	.25
538-26-48-1081	26-48-1081	D	8	30.56	27.74	.35	.31	.28	.24
538-26-48-1091	26-48-1091	D	9	24.52	31.70	.66	.60	.49	.38
538-26-48-1101	26-48-1101	D	10	38.48	35.66	.89	.81	.73	.65
538-26-48-1111	26-48-1111	D	11	42.44	39.62	.81	.71	.42	.36
538-26-48-1121	26-48-1121	D	12	46.41	43.59	.88	.77	.46	.37
538-26-48-1241	26-48-1241	D	24	93.85	91.14	1.47	1.29	.86	.69
Right Angle, Tin Plating									
538-26-48-1022	26-48-1022	E	2	6.78	3.96	.24	.22	.20	.18
538-26-48-1032	26-48-1032	E	3	10.74	7.92	.25	.21	.13	.11
538-26-48-1042	26-48-1042	E	4	14.71	11.89	.42	.38	.29	.23
538-26-48-1052	26-48-1052	E	5	18.67	15.85	.45	.38	.34	.26
538-26-48-1062	26-48-1062	E	6	22.63	19.81	.50	.47	.45	.42
538-26-48-1082	26-48-1082	E	8	30.56	27.74	.66	.58	.35	.31
538-26-48-1102	26-48-1102	E	10	38.48	35.66	.83	.73	.47	.40
538-26-48-1122	26-48-1122	E	12	46.41	43.59	1.00	.87	.62	.56
538-26-48-1242	26-48-1242	E	24	93.85	91.14	1.52	1.34	.89	.71
Vertical Friction Lock, Tin Plating									
538-26-48-1025	26-48-1025	F	2	6.78	3.96	.25	.16	.09	.07
538-26-48-1035	26-48-1035	F	3	10.74	7.92	.28	.24	.14	.11
538-26-48-1045	26-48-1045	F	4	14.71	11.89	.37	.32	.19	.15
538-26-48-1055	26-48-1055	F	5	18.67	15.85	.47	.41	.24	.19
538-26-48-1065	26-48-1065	F	6	22.63	19.81	.52	.48	.41	.32
538-26-48-1075	26-48-1075	F	7	26.59	23.77	.79	.68	.46	.37
538-26-48-1085	26-48-1085	F	8	30.56	27.74	.75	.66	.39	.31
538-26-48-1095	26-48-1095	F	9	24.52	31.70	.84	.74	.44	.37
538-26-48-1105	26-48-1105	F	10	38.48	35.66	.94	.82	.49	.41
538-26-48-1115	26-48-1115	F	11	42.44	39.62	.65	.61	.58	.55
538-26-48-1125	26-48-1125	F	12	46.41	43.59	.70	.58	.53	.49
538-26-48-1245	26-48-1245	F	24	93.85	91.14	1.12	1.00	.71	.57
Right Angle Friction Lock, Tin Plating									
538-26-48-1026	26-48-1026	G	2	6.78	3.96	.28	.14	.12	.10
538-26-48-1036	26-48-1036	G	3	10.74	7.92	.32	.27	.16	.13
538-26-48-1046	26-48-1046	G	4	14.71	11.89	.43	.37	.22	.18
538-26-48-1066	26-48-1066	G	6	22.63	19.81	.63	.55	.33	.26
538-26-48-1076	26-48-1076	G	7	26.59	23.77	.75	.66	.39	.31
538-26-48-1086	26-48-1086	G	8	30.56	27.74	.85	.75	.45	.36
538-26-48-1096	26-48-1096	G	9	24.52	31.70	.96	.84	.50	.41
538-26-48-1106	26-48-1106	G	10	38.48	35.66	.71	.53	.44	.35
538-26-48-1126	26-48-1126	G	12	46.41	43.59	1.12	.94	.75	.67
538-26-48-1246	26-48-1246	G	24	93.85	91.14	1.00	.83	.66	.60

DIMENSIONS mm (in.)

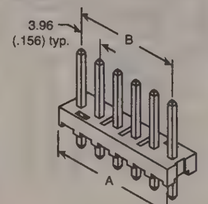
A



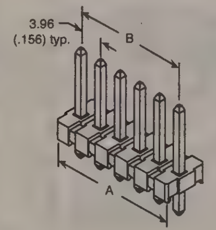
B



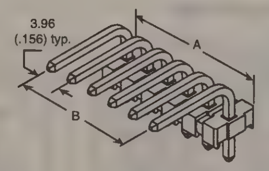
C



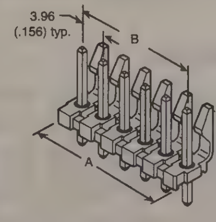
D



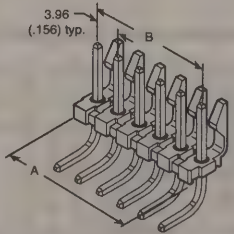
E



F



G



MOLEX SlimStack™ SMT Board-to-Board Connectors

RoHS Compliant This page of product is compliant.

0.50MM (.020") SLIMSTACK™ VERTICAL SMT BOARD-TO-BOARD CONNECTORS

Features:

- Durable blade on beam contact interface
- Anti-flux design
- J-Lead type SMT tail is 35% smaller than standard Gull Wing type
- Friction lock provides added mating retention to withstand shock or vibration
- Long wipe length helps provide good electrical reliability
- Applications include cell phones, digital cameras, PDA's and other mobile devices
- RoHS Compliance per Molex documentation

- Board Mounting: SMT
- Plating: Gold
- Mating Style: Vertical

RoHS Compliant

1.50mm Mated Height

- Voltage: 50V • Current: 0.5A

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Gender	Price Each			
					1	10	25	50
538-55560-0307	55560-0307	A	30	Plug	2.74	2.46	2.21	1.99
538-55560-0407	55560-0407	A	40	Plug	4.22	3.81	3.42	3.08
538-55560-0807	55560-0807	A	80	Plug	5.25	4.30	3.44	3.25
538-54722-0407	54722-0407	B	40	Receptacle	2.92	2.65	2.46	2.27

2.00mm Mated Height with Solder Tabs

- Voltage: 50V • Current: 0.5A

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Gender	Price Each			
					1	10	25	50
538-55201-0478	55201-0478	C	40	Plug	4.95	4.05	3.24	3.06
538-55201-0878	55201-0878	C	80	Plug	8.20	7.46	7.11	6.77
538-55201-1478	55201-1478	C	140	Plug	7.84	6.41	5.13	4.85
538-54363-0478	54363-0478	D	40	Receptacle	6.05	4.95	3.96	3.74
538-54363-0878	54363-0878	D	80	Receptacle	8.66	7.09	5.67	5.36
538-54363-1478	54363-1478	D	140	Receptacle	9.10	8.19	7.37	6.63

2.50mm Mated Height

- Voltage: 50V • Current: 0.5A

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Gender	Price Each			
					1	10	25	50
Without Solder Tabs								
538-53885-0208	53885-0208	E	20	Plug	2.14	1.92	1.73	1.56
538-54102-0208	54102-0208	F	20	Receptacle	2.01	1.64	1.31	1.24
With Solder Tabs								
538-53949-0578	53949-0578	G	50	Plug	3.22	3.12	2.98	2.71
538-53949-0878	53949-0878	G	80	Plug	5.65	5.09	4.58	4.12
538-54150-0578	54150-0578	H	50	Receptacle	3.74	3.06	2.45	2.31
538-54150-0878	54150-0878	H	80	Receptacle	6.55	5.36	4.28	4.05

3.00mm Mated Height

- Voltage: 50V • Current: 0.5A

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Gender	Price Each			
					1	10	25	50
538-53748-0208	53748-0208	I	20	Plug	1.79	1.48	1.19	1.07
538-53748-0308	53748-0308	I	30	Plug	2.15	1.98	1.79	1.67
538-53748-0408	53748-0408	I	40	Plug	2.26	2.03	1.82	1.64
538-52991-0208	52991-0208	J	20	Receptacle	1.24	1.12	.99	.89
538-52991-0308	52991-0308	J	30	Receptacle	1.54	1.38	1.12	1.01
538-52991-0408	52991-0408	J	40	Receptacle	2.65	2.39	2.15	1.93

4.00mm Mated Height

- Voltage: 50V • Current: 0.5A

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Gender	Price Each			
					1	10	25	50
538-53916-0308	53916-0308	K	30	Plug	3.14	2.67	2.23	2.06
538-54167-0308	54167-0308	L	30	Receptacle	3.49	3.40	2.72	2.47

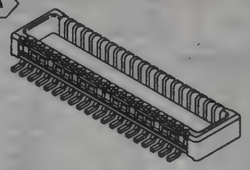
5.50mm Mated Height with Solder Tabs and Pegs

- Voltage: 60V • Current: 0.4A

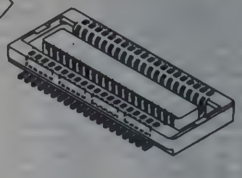
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Gender	Price Each			
					1	10	25	50
538-55055-0578	55055-0578	M	50	Plug	2.94	2.41	1.93	1.82
538-55055-0678	55055-0678	M	60	Plug	5.36	4.39	3.51	3.32
538-55055-0878	55055-0878	M	80	Plug	4.57	3.74	2.99	2.82
538-54230-0578	54230-0578	N	50	Receptacle	2.97	2.67	2.40	2.16
538-54230-0678	54230-0678	N	60	Receptacle	3.36	2.75	2.20	2.07
538-54230-0878	54230-0878	N	80	Receptacle	4.46	3.65	2.92	2.75

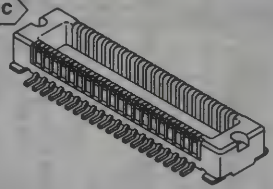
A



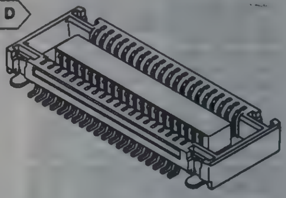
B



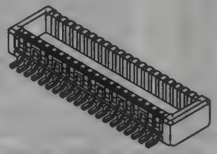
C



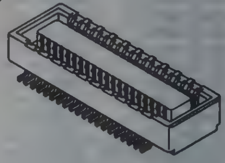
D



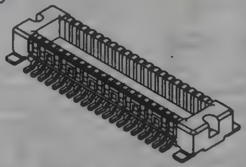
E



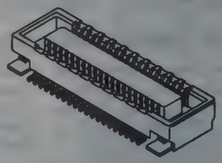
F



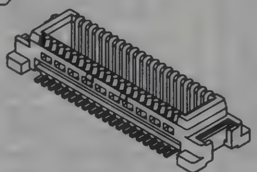
G



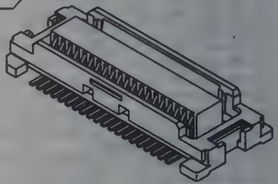
H



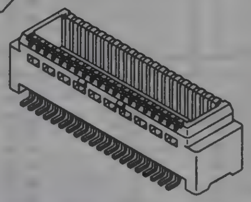
I



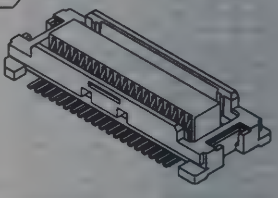
J



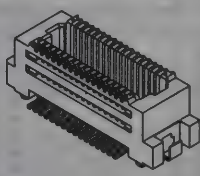
K



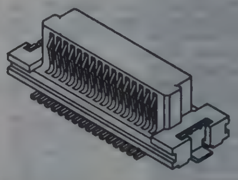
L



M



N

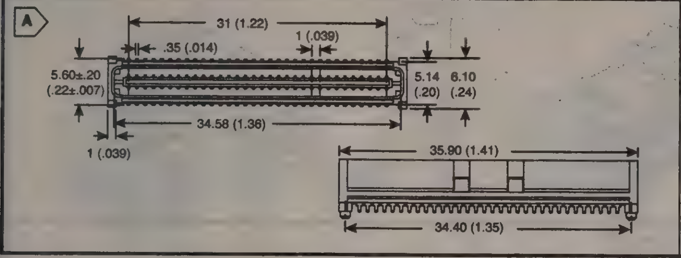


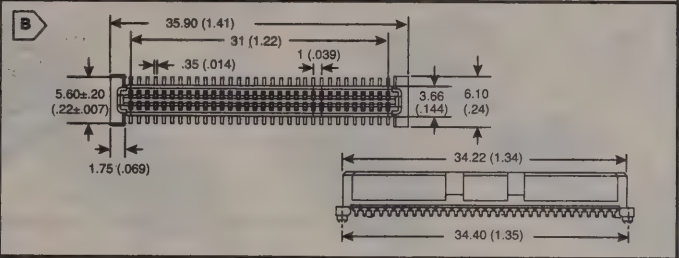
MOLEX Mezzanine Connectors

molex
one company > a world of innovation

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: mm (in.)





1.0MM (0.039") MEZZANINE IEEE 1386 CONNECTORS BOARD-TO-BOARD, SURFACE MOUNT, VERTICAL

Molex's fully shrouded leaf-style design minimizes the chance of damaging plug contacts, and the receptacle contacts feature a low mating force, reducing PC board stress. Gold-over-Nickel contact plating enhances long-term reliability and UL 94V-0 LCP housings withstand SMT reflow processes. Excellent tolerance absorption allows the connector to be used in combinations of 1-4 mated pairs for up to 256 circuits.

Specifications:
- Voltage: 100V
- Current: 1.0A
- Contact Resistance: 30mΩ min.
- Dielectric Withstanding Voltage: 250V
- Insulation Resistance: 1000MΩ min.

Features:
- Housing: Glass-filled LCP, UL 94V-0
- Contact: Phosphor Bronze
- Plating: 30µ" Gold min.
- Operating Temperature: -55°C to +85°C
- Lead Free
- RoHS Compliant per Molex documentation

Applications:
- Network Interface Cards for NIC-HBA
- SCSI Host Bus and Adapter Cards for NIC-HBA
- Board-to-Board Mezzanine Connectors for Switch-Router
- Mezzanine Card Connectors for Server
- Mezzanine Card Connectors for Disk Array

RoHS Compliant

Plug	Receptacle	Mated Stack Ht. mm (In.)∗
71436-0164	71439-0164	8.00 (.315)
71436-1164	71439-0164	9.00 (.354)
71436-2164	71439-0164	10.00 (.394)
71436-1164	71439-1164	11.00 (.433)
71436-2164	71439-1164	12.00 (.472)
71436-2164	71439-2164	13.00 (.512)
71436-1164	71439-3164	14.00 (.551)
71436-2164	71439-3164	15.00 (.591)

∗ Recommended Plug/Receptacle combination for mated stack height per EIA standard 700 AAAB.

71436 Series, Dual Row

For quantities of 100 and up, call for quote.

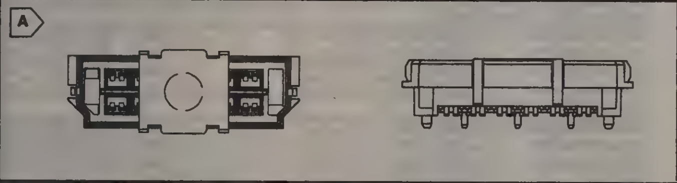
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each				
				1	5	10	25	50
538-71436-0164	71436-0164	A	64 Circuit Plug	6.08	5.59	5.14	4.73	4.35
538-71436-1164	71436-1164	A	64 Circuit Plug	6.54	5.24	3.93	3.27	2.62
538-71436-2164	71436-2164	A	64 Circuit Plug	6.56	5.46	4.92	4.37	3.82

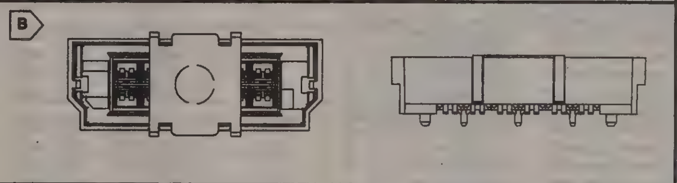
71439 Series, Dual Row

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	1	5	10	25	50
538-71439-0164	71439-0164	B	64 Circuit Receptacle	5.62	4.49	3.93	3.37	2.81
538-71439-1164	71439-1164	B	64 Circuit Receptacle	4.54	3.40	2.84	2.55	2.27
538-71439-2164	71439-2164	B	64 Circuit Receptacle	5.15	4.51	3.87	3.22	2.58
538-71439-3164	71439-3164	B	64 Circuit Receptacle	4.11	3.77	3.43	2.74	2.47

DIMENSIONS: mm (in.)





PLATEAU HS MEZZ™ CONNECTOR SYSTEM

Molex utilizes its proprietary Plateau Technology™ (plated gold housing) to provide a high-speed, high-density mezzanine connector system for differential and single-ended signal applications.
The gold-plated plastic shields each differential pair from neighboring pairs, lowering crosstalk and improving signal clarity.
Different stack heights and circuit sizes provide flexibility in design and grounding the conductive housing eliminates the need for individual ground pin designations within the connector.
Engineered for high-speed signaling, Plateau HS Mezz™ has incredible signal integrity performance for today's designs as well as next generation systems.

Specifications:
- Operating Voltage: 30VDC
- Current: 1.5A max. per circuit
- Operating Temperature: -55°C to +85°C
- Durability: 25 cycles

Features:
- Advanced gold-plated plastic housings with integrated shielding system
- Contacts on 1.20mm (.047") centerline pitch arranged in isolated differential pairs on 3.50mm (.138") pitch
- Two points of contact on each signal
- Molded and plated housing pegs
- Supports high-speed differential signaling in excess of 10Gbps with 100±10Ω impedance at 50 psec
- RoHS Compliant per Molex documentation

Applications:
- Switches and hubs
- Routers
- Servers and blade servers
- Workstations
- Storage devices

RoHS Compliant

Plugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. Of Circuits	Height mm (in.)	Price Each				
					1	5	10	25	50
538-75003-0305	75003-0305	A	12	5.50 (.217)	11.42	10.28	9.25	8.33	7.49
538-75003-0308	75003-0308	A	12	8.50 (.335)	13.85	12.44	11.44	10.52	9.98
538-75003-0310	75003-0310	A	12	10.50 (.413)	13.85	12.47	11.22	10.10	9.09
538-75003-0005	75003-0005	A	24	5.50 (.217)	14.95	14.38	13.54	12.41	11.28
538-75003-0008	75003-0008	A	24	8.50 (.335)	17.81	17.14	16.13	14.78	13.44
538-75003-0010	75003-0010	A	24	10.50 (.413)	19.24	18.51	17.42	15.97	14.52
538-75003-0105	75003-0105	A	48	5.50 (.217)	28.38	27.31	25.70	23.56	21.42
538-75003-0110	75003-0110	A	48	10.50 (.413)	36.84	35.45	33.36	30.58	27.80
538-75003-0205	75003-0205	A	72	5.50 (.217)	40.33	38.81	36.53	33.48	30.44
538-75003-0210	75003-0210	A	72	10.50 (.413)	52.79	50.80	47.81	43.82	39.84

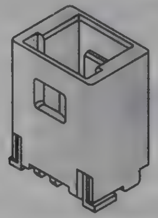
Receptacles

For quantities of 100 and up, call for quote.

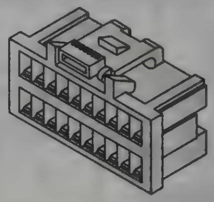
MOUSER STOCK NO.	Molex Part No.	Fig.	No. Of Circuits	Height mm (in.)	1	5	10	25	50
538-75005-0304	75005-0304	B	12	4.50 (.177)	13.82	12.44	11.20	10.08	9.07
538-75005-0306	75005-0306	B	12	6.50 (.256)	5.98	5.51	5.06	4.65	4.06
538-75005-0004	75005-0004	B	24	4.50 (.177)	11.38	10.24	9.10	8.19	7.74
538-75005-0006	75005-0006	B	24	6.50 (.256)	12.55	11.30	10.04	9.04	8.53
538-75005-0104	75005-0104	B	48	4.50 (.177)	21.53	19.37	17.22	15.50	14.64
538-75005-0204	75005-0204	B	72	4.50 (.177)	30.55	29.40	27.67	25.37	23.06

MOLEX Pico-Clasp™ 1.00mm (.039") Pitch Connectors

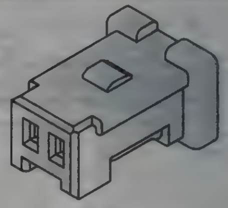
A



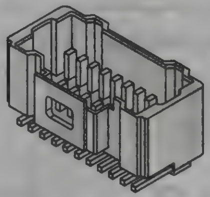
B



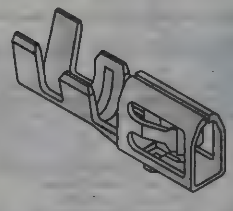
C



D



E



PICO-CLASP WIRE TO BOARD HEADERS

The new 1.00mm (.039") pitch wire-to-board Pico-Clasp™ connector system from Molex was developed for various connections in Flat Panel Displays (FPD). The compact, small circuit size fetures of this system also make it ideal for other applications such as Notebook PCs and other compact devices. The system is offered in both single and dual row versions. Friction and positive locks are offered for various application needs. Other freatures include mating guides, solder tabs and footprint compatibility with some competitive versions.

Specifications:

- Voltage: 50V
- Current: 1.0A max.
- Contact resistance: 20 mΩ max.
- Dielectric withstanding voltage: 250V AC
- Insulation resistance: 100 MΩ min.

Features:

- Smallest pitch for positive lock Wire-to-Board crimp system
- Inner positive lock (6-50 circuit sizes)
- Low mating and un-mating forces
- Wide header variations
- Provides customers with many choices and design flexibility
- Provides space savings for mounting other components
- Prevents wire hooking
- Latch protection and secure mating retention
- Strong mating retention and clear clicking
- Easy connector insertion and extraction

RoHS Compliant

Vertical Surface Mount Headers

- With cover tape
- Single row

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
Friction Lock - Single Row - with cover tape							
538-501331-0207	501331-0207	A	2	.86	.76	.51	.41
538-501331-0307	501331-0307	A	3	.90	.79	.53	.43
538-501331-0407	501331-0407	A	4	.94	.83	.55	.45
538-501331-0507	501331-0507	A	5	1.11	.98	.65	.53
Positive Lock - Single Row - with cover tape							
538-501331-0607	501331-0607	A	6	1.24	1.09	.73	.60
538-501331-0707	501331-0707	A	7	1.27	1.12	.74	.61
538-501331-0807	501331-0807	A	8	1.33	1.18	.78	.64
538-501331-0907	501331-0907	A	9	1.41	1.25	.83	.68
538-501331-1007	501331-1007	A	10	1.50	1.32	.88	.72
538-501331-1107	501331-1107	A	11	1.69	1.49	.99	.81
538-501331-1207	501331-1207	A	12	1.77	1.56	1.04	.85
538-501331-1307	501331-1307	A	13	1.87	1.65	1.10	.90
538-501331-1407	501331-1407	A	14	1.97	1.74	1.16	.95
538-501331-1507	501331-1507	A	15	2.05	1.81	1.20	.98
Positive Lock - Dual Row - with pick and place tape							
538-501190-2017	501190-2017	B	20	2.88	2.54	1.69	1.38
538-501190-3017	501190-3017	B	30	3.88	3.42	2.28	1.87
538-501190-4017	501190-4017	B	40	4.95	4.37	2.91	2.38
538-501190-5017	501190-5017	B	50	6.02	5.31	3.53	2.89

Right Angle Surface Mount Headers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
Friction Lock - Single Row							
538-501568-0207	501568-0207	C	2	.80	.70	.47	.38
538-501568-0307	501568-0307	C	3	.82	.73	.48	.40
538-501568-0407	501568-0407	C	4	.86	.76	.50	.41
538-501568-0507	501568-0507	C	5	1.20	1.06	.70	.58
Positive Lock - Single Row							
538-501568-0607	501568-0607	C	6	1.27	1.12	.75	.61
538-501568-0707	501568-0707	C	7	1.32	1.17	.78	.64
538-501568-0807	501568-0807	C	8	1.37	1.21	.81	.66
538-501568-0907	501568-0907	C	9	1.42	1.25	.84	.68
538-501568-1007	501568-1007	C	10	1.49	1.31	.88	.72
538-501568-1107	501568-1107	C	11	1.60	1.41	.94	.77
538-501568-1207	501568-1207	C	12	1.71	1.51	1.00	.82
538-501568-1307	501568-1307	C	13	1.82	1.60	1.07	.87
538-501568-1407	501568-1407	C	14	1.92	1.70	1.13	.93
538-501568-1507	501568-1507	C	15	2.02	1.78	1.19	.97
Positive Lock - Dual Row							
538-501571-2007	501571-2007	C	20	3.58	3.16	2.10	1.72
538-501571-3007	501571-3007	C	30	4.53	3.99	2.66	2.18
538-501571-4007	501571-4007	C	40	8.15	7.19	4.78	3.92
538-501571-5007	501571-5007	C	50	6.47	5.71	3.80	3.11

Housings

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
Friction Lock - Single Row							
538-501330-0200	501330-0200	D	2	.40	.35	.24	.19
538-501330-0300	501330-0300	D	3	.41	.35	.24	.19
538-501330-0400	501330-0400	D	4	.41	.36	.24	.19
538-501330-0500	501330-0500	D	5	.41	.36	.24	.20
Positive Lock - Single Row							
538-501330-0600	501330-0600	D	6	.47	.41	.27	.22
538-501330-0700	501330-0700	D	7	.49	.42	.28	.23
538-501330-0800	501330-0800	D	8	.42	.36	.24	.20
538-501330-0900	501330-0900	D	9	.47	.41	.27	.22
538-501330-1000	501330-1000	D	10	.47	.41	.27	.22
538-501330-1100	501330-1100	D	11	.58	.51	.34	.28
538-501330-1200	501330-1200	D	12	.63	.55	.37	.30
538-501330-1300	501330-1300	D	13	.68	.60	.40	.33
538-501330-1400	501330-1400	D	14	.61	.53	.35	.29
538-501330-1500	501330-1500	D	15	.62	.54	.36	.30
Friction Lock - Dual Row							
538-501189-2010	501189-2010	E	20	.42	.36	.24	.20
538-501189-3010	501189-3010	E	30	.47	.41	.27	.22
538-501189-4010	501189-4010	E	40	.46	.41	.27	.22

TERMINALS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each		
				1	10	100
538-501334-0100	501334-0100	F	Single Row Terminal	.09	.08	.05
538-501193-0100	501193-0100	F	Dual Row Terminal	.12	.10	.07

TOOLS

For quantities greater than listed, call for quote.

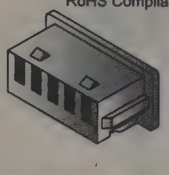
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each
538-578016-5300	578016-5300	---	Crimp Hand Tool	1265.62
538-63813-1700	63813-1700	---	Hand Extraction Tool	182.82

MOLEX PicoBlade™ 1.25mm (.049") Connectors

molex
one company > a world of innovation

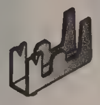
A

RoHS Compliant

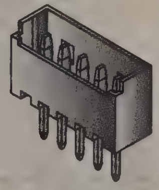


B

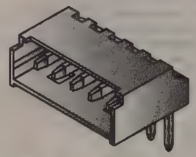
RoHS Compliant



C

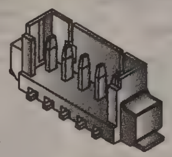


D



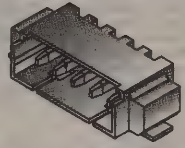
E

RoHS Compliant



F

RoHS Compliant



The 1.25mm (.049") pitch PicoBlade™ system is designed for high-density harness applications. It saves about 45% of PCB space compared to typical 2.00mm wire to board systems.

WIRE-TO-WIRE AND WIRE-TO-BOARD RECEPTACLES

Features:
- Series 51021
- Housing lance provides extra terminal retention
- Friction locks provide secure mating
- Use with Series 50079/50058
- Mates with Series 53398, 53261, 53047, and 53048

Specifications:
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A
- Operating Temperature: -40 to +85°C
- Housing: PBTP, UL 94V-0

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
538-51021-0200	51021-0200	A	2	.29	.27	.19	.15
538-51021-0300	51021-0300	A	3	.30	.28	.22	.17
538-51021-0400	51021-0400	A	4	.32	.30	.24	.19
538-51021-0500	51021-0500	A	5	.37	.33	.27	.22
538-51021-0600	51021-0600	A	6	.41	.34	.30	.24
538-51021-0700	51021-0700	A	7	.46	.39	.32	.26
538-51021-0800	51021-0800	A	8	.50	.43	.35	.28
538-51021-0900	51021-0900	A	9	.54	.46	.37	.30
538-51021-1000	51021-1000	A	10	.58	.49	.40	.32
538-51021-1100	51021-1100	A	11	.60	.52	.44	.35
538-51021-1200	51021-1200	A	12	.62	.55	.36	.30
538-51021-1400	51021-1400	A	14	.64	.58	.46	.37
538-51021-1500	51021-1500	A	15	.66	.61	.40	.34

Female Crimp Terminals

Features:
- Use with 51021 Series
- Locking tang secures terminal in housing

Specifications:
- Material: Phosphor Bronze
- Plating: Tin

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size AWG	Price Each			
				1	100	500	1000
538-50058-8000	50058-8000	B	28-32 (Tape)	.07	.06	.05	.04
538-50058-8100	50058-8100	B	28-32 (Bulk)	.16	.14	.13	.12
538-50079-8000	50079-8000	B	26-28 (Tape)	.06	.05	.04	.03
538-50079-8100	50079-8100	B	26-28 (Bulk)	.14	.13	.12	.11

Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-63811-0200	63811-0200	Hand Crimper for 50058 Series	196.28
538-63811-0300	63811-0300	Hand Crimper for 50079 Series	196.28
538-57072-6000	57072-6000	Extraction Tool-contact	130.50
538-11-03-0045	11-03-0045	Extraction Tool-housing	271.59

PCB HEADERS

Features:
- Series 53047
- Locking windows provide secure mating
- Mates with Series 51021
- Wire-to-Board

Specifications:
- Contact: Phosphor Bronze
- Plating: Tin
- Housing: 6/6 Nylon, UL 94V-0
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A
- Operating Temp.: -40 to +85°C

Vertical

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
538-53047-0210	53047-0210	C	2	.42	.34	.24	.19
538-53047-0310	53047-0310	C	3	.54	.47	.31	.25
538-53047-0410	53047-0410	C	4	.60	.52	.35	.28
538-53047-0510	53047-0510	C	5	.73	.60	.42	.34
538-53047-0610	53047-0610	C	6	.84	.69	.49	.39
538-53047-0710	53047-0710	C	7	.86	.79	.56	.45
538-53047-0810	53047-0810	C	8	.96	.86	.62	.49
538-53047-0910	53047-0910	C	9	1.07	.95	.63	.50
538-53047-1010	53047-1010	C	10	1.16	1.07	.71	.57
538-53047-1110	53047-1110	C	11	1.28	.95	.78	.63
538-53047-1210	53047-1210	C	12	.79	.75	.66	.53
538-53047-1410	53047-1410	C	14	.90	.78	.73	.69
538-53047-1510	53047-1510	C	15	1.37	1.26	1.15	.92

PCB HEADERS (CONT.)

Features:
- Series 53048
- Locking windows provide secure mating
- Mates with Series 51021
- Wire-to-Board

Specifications:
- Contact: Phosphor Bronze
- Plating: Tin
- Housing: 6/6 Nylon, UL 94V-0
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A
- Operating Temp.: -40 to +85°C

Right Angle

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
538-53048-0210	53048-0210	D	2	.45	.42	.27	.22
538-53048-0310	53048-0310	D	3	.55	.50	.33	.27
538-53048-0410	53048-0410	D	4	.65	.61	.43	.35
538-53048-0510	53048-0510	D	5	.76	.69	.51	.41
538-53048-0610	53048-0610	D	6	.84	.76	.51	.40
538-53048-0710	53048-0710	D	7	.94	.88	.61	.49
538-53048-0810	53048-0810	D	8	1.14	1.08	.72	.58
538-53048-0910	53048-0910	D	9	1.14	1.08	.72	.67
538-53048-1010	53048-1010	D	10	1.24	1.17	.78	.62
538-53048-1410	53048-1410	D	14	1.29	1.24	1.06	.84
538-53048-1510	53048-1510	D	15	1.26	1.19	.93	.74

Features:
- Locking windows provide secure mating
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails
- Mates with Series 51021
- Surface Mount
- Wire-to-Board
- RoHS Compliant per Molex documentation.

Specifications:
- Housing: 4/6 Nylon, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin
- Solder Tabs: Phosphor Bronze, Tin plating
- Operating Temperature: -40 to +85°C
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A

Vertical, SMT

- Series 53398

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
538-53398-0271	53398-0271	E	2	.63	.53	.49	.47
538-53398-0371	53398-0371	E	3	.92	.83	.79	.74
538-53398-0471	53398-0471	E	4	.84	.70	.65	.62
538-53398-0571	53398-0571	E	5	.93	.78	.72	.69
538-53398-0671	53398-0671	E	6	1.02	.85	.79	.75
538-53398-0871	53398-0871	E	8	.98	.90	.78	.74

Features:
- Locking windows provide secure mating
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails
- Mates with Series 51021
- Surface Mount
- Wire-to-Board

Specifications:
- Housing: 4/6 Nylon, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin/Lead
- Solder Tabs: Phosphor Bronze, Tin/Lead plating
- Operating Temperature: -40 to +85°C
- Voltage: 125V
- Current: 1.0A, 32 AWG: 0.8A

Right Angle, SMT

- Series 53261

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
538-53261-0271	53261-0271	F	2	.88	.77	.66	.61
538-53261-0371	53261-0371	F	3	1.08	.95	.81	.74
538-53261-0471	53261-0471	F	4	1.20	1.05	.90	.83
538-53261-0671	53261-0671	F	6	1.32	1.16	.99	.91
538-53261-0771	53261-0771	F	7	1.52	1.33	1.14	1.05
538-53261-0871	53261-0871	F	8	1.60	1.40	1.20	1.10
538-53261-0971	53261-0971	F	9	1.72	1.51	1.29	1.18
538-53261-1071	53261-1071	F	10	1.80	1.58	1.35	1.24
538-53261-1471	53261-1471	F	14	2.34	2.05	1.75	1.60
538-53261-1571	53261-1571	F	15	2.36	2.07	1.77	1.62

1.50MM (.059") PITCH PICO-SPOX™ CONNECTORS

Features:

- Dual-point contact design for greater reliability
- Anti-fishhooking contact design to improve handling during harness assembly
- Locking tang on contact for secure retention to the housing
- Friction lock between receptacle housing and headers insures secure retention when mounted
- Lead-in chamber on receptacle to ease mating
- Headers fully shrouded to protect pins
- Polarized mating geometry insures header and receptacle cannot be mis-mated
- Lead-free plating
- RoHS Compliant per Molex Documentation

Specifications:

- Current: 3.0A max.
- Voltage: 50V
- Terminal: Phosphor Bronze
- Pin: Brass
- Plating: Lead-free Tin
- Operating Temperature: -55°C to +105°C
- Contact Resistance: 40mΩ max.
- Dielectric Withstanding Voltage: 500VAC per minute
- Insulation Resistance: 1000MΩ min.

E29179

LR19980A

Vertical Header • Beige, Nylon 4/6 • UL94V-0

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Overall Length (In.)	First-to-Last Circuit (In.)	Price Each			
						1	10	50	100
538-87437-0243	87437-0243	A	2	0.169	0.059	.84	.72	.54	.41
538-87437-0343	87437-0343	A	3	0.228	0.118	.98	.84	.63	.61
538-87437-0443	87437-0443	A	4	0.287	0.177	1.09	.93	.70	.53
538-87437-0543	87437-0543	A	5	0.346	0.236	1.23	1.05	.79	.60
538-87437-0643	87437-0643	A	6	0.406	0.295	1.37	1.17	.88	.66
538-87437-0743	87437-0743	A	7	0.465	0.354	1.51	1.29	.97	.73
538-87437-0843	87437-0843	A	8	0.524	0.413	1.65	1.41	1.06	.80
538-87437-0943	87437-0943	A	9	0.583	0.472	1.75	1.50	1.13	.85
538-87437-1043	87437-1043	A	10	0.642	0.531	1.86	1.59	1.19	.90
538-87437-1143	87437-1143	A	11	0.701	0.591	2.00	1.71	1.28	.97
538-87437-1243	87437-1243	A	12	0.760	0.650	2.10	1.80	1.35	1.02
538-87437-1343	87437-1343	A	13	0.819	0.709	2.21	1.89	1.42	1.07
538-87437-1443	87437-1443	A	14	0.878	0.768	2.31	1.98	1.49	1.12
538-87437-1543	87437-1543	A	15	0.937	0.827	2.45	2.10	1.58	1.19

Right-Angle Header • Beige, Nylon 4/6 • UL94V-0

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Overall Length (In.)	First-to-Last Circuit (In.)	Price Each			
						1	10	50	100
538-87438-0243	87438-0243	B	2	0.169	0.059	.67	.57	.43	.32
538-87438-0343	87438-0343	B	3	0.228	0.118	.84	.72	.54	.41
538-87438-0443	87438-0443	B	4	0.287	0.177	.95	.81	.61	.59
538-87438-0543	87438-0543	B	5	0.346	0.236	.98	.84	.63	.48
538-87438-0643	87438-0643	B	6	0.406	0.295	1.12	1.01	.90	.82
538-87438-0743	87438-0743	B	7	0.465	0.354	1.30	1.11	.83	.63
538-87438-0843	87438-0843	B	8	0.524	0.413	1.40	1.20	1.10	1.00
538-87438-0943	87438-0943	B	9	0.583	0.472	1.44	1.23	.92	.70
538-87438-1043	87438-1043	B	10	0.642	0.531	1.89	1.62	1.22	.92
538-87438-1143	87438-1143	B	11	0.701	0.591	2.01	1.85	1.67	1.20
538-87438-1243	87438-1243	B	12	0.760	0.650	1.82	1.56	1.17	.88
538-87438-1343	87438-1343	B	13	0.819	0.709	1.93	1.65	1.24	.94
538-87438-1443	87438-1443	B	14	0.878	0.768	2.07	1.77	1.33	1.00
538-87438-1543	87438-1543	B	15	0.937	0.827	2.17	1.86	1.40	1.30

Housing • White, Nylon 6/6 • UL94V-0

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Overall Length (In.)	First-to-Last Circuit (In.)	Price Each			
						1	10	50	100
538-87439-0200	87439-0200	C	2	0.161	0.059	.19	.17	.12	.09
538-87439-0300	87439-0300	C	3	0.220	0.118	.22	.19	.14	.11
538-87439-0400	87439-0400	C	4	0.280	0.177	.23	.20	.15	.12
538-87439-0500	87439-0500	C	5	0.339	0.236	.26	.22	.17	.13
538-87439-0600	87439-0600	C	6	0.398	0.295	.28	.24	.18	.14
538-87439-0700	87439-0700	C	7	0.457	0.354	.32	.28	.21	.16
538-87439-0800	87439-0800	C	8	0.516	0.413	.33	.29	.21	.17
538-87439-0900	87439-0900	C	9	0.575	0.472	.35	.30	.22	.17
538-87439-1000	87439-1000	C	10	0.634	0.531	.35	.30	.23	.17
538-87439-1100	87439-1100	C	11	0.693	0.591	.36	.31	.23	.18
538-87439-1200	87439-1200	C	12	0.752	0.650	.32	.29	.27	.25
538-87439-1300	87439-1300	C	13	0.811	0.709	.40	.34	.25	.19
538-87439-1400	87439-1400	C	14	0.870	0.768	.41	.35	.26	.20
538-87439-1500	87439-1500	C	15	0.929	0.827	.42	.36	.27	.20

CRIMP TERMINALS

Features:

- RoHS Compliant per Molex Documentation
- 24-30 AWG

For quantities of 2000 and up, call for quote.

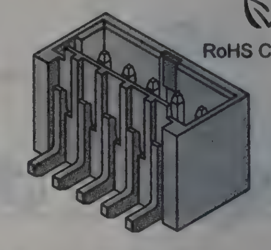
MOUSER STOCK NO.	Molex Part No.	Fig.	Contact	Plating	Price Each			
					1	100	500	1000
538-87421-0000	87421-0000	D	Phosphor Bronze	Tin	.11	.09	.08	.07

TOOLS

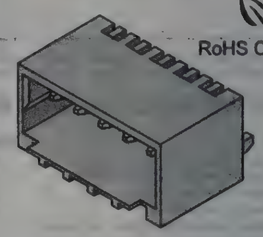
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each	
				1	5
538-63811-6400	63811-6400	E	Hand Crimp Tool, 24-30 AWG	218.00	205.00
538-63817-0000	63817-0000	F	Manual Wire Stripper	81.00	78.00
538-63817-0070	63817-0070	- - -	Straight Blade Replacement Cassette	34.94	31.45
538-63817-0071	63817-0071	- - -	V Blade Replacement Cassette	28.71	26.73

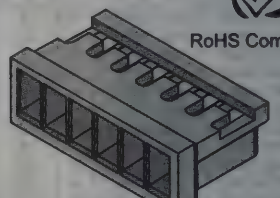
A



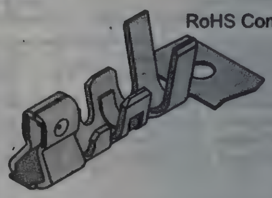
B



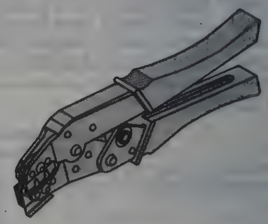
C



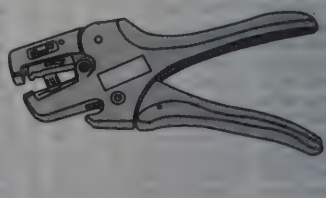
D



E



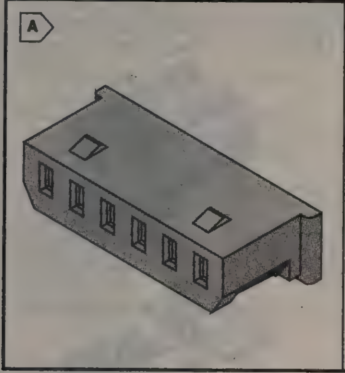
F

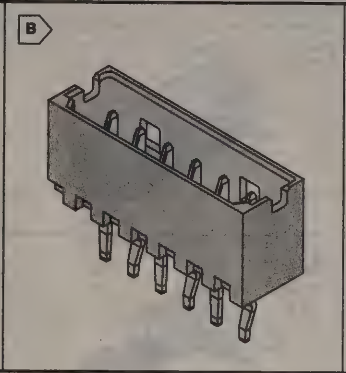


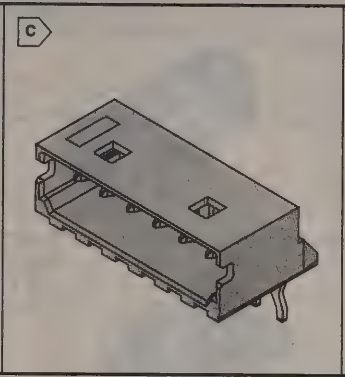
MOLEX MicroBlade™ 2mm Connectors

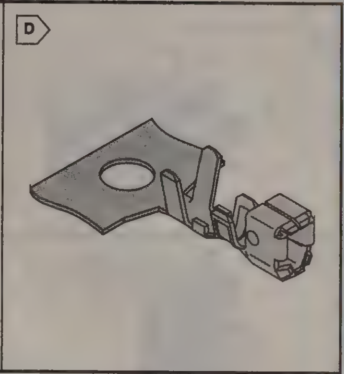
molex
one company > a world of innovation

RoHS Compliant This page of product is compliant.









MICROBLADE™ 2.00MM (.079") PITCH WIRE-TO-BOARD CONNECTOR SYSTEM

Molex's MicroBlade™ connector system provides a compact and flexible solution for an economical and flexible solution for industry-standard 2.00mm (.079") pitch applications such as consumer and small data devices.

Features:

- Compact, low-profile size
- Box style contact
- Friction lock
- Polarizing features
- Blade-type pins
- Protection to contact area
- Good mating retention
- Design flexibility
- Ensures proper mating
- Reliable and good wipe length
- Space savings
- RoHS compliant per Molex documentation

Housings

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	Color	Operating Temperature	Housing	Price Each			
							1	10	100	500
538-51004-0200	51004-0200	A	2	Natural	-20°C to +85°C	PBTP, UL 94V-0	.27	.25	.22	.20
538-51004-0300	51004-0300	A	3	Natural	-20°C to +85°C	PBTP, UL 94V-0	.25	.22	.18	.14
538-51004-0400	51004-0400	A	4	Natural	-20°C to +85°C	PBTP, UL 94V-0	.30	.25	.20	.18
538-51004-0500	51004-0500	A	5	Natural	-20°C to +85°C	PBTP, UL 94V-0	.35	.30	.23	.20
538-51004-0600	51004-0600	A	6	Natural	-20°C to +85°C	PBTP, UL 94V-0	.38	.36	.25	.22
538-51004-0700	51004-0700	A	7	Natural	-20°C to +85°C	PBTP, UL 94V-0	.38	.30	.25	.21
538-51004-0800	51004-0800	A	8	Natural	-20°C to +85°C	PBTP, UL 94V-0	.34	.32	.22	.20
538-51004-0900	51004-0900	A	9	Natural	-20°C to +85°C	PBTP, UL 94V-0	.56	.50	.35	.30
538-51004-1000	51004-1000	A	10	Natural	-20°C to +85°C	PBTP, UL 94V-0	.63	.56	.40	.35
538-51004-1100	51004-1100	A	11	Natural	-20°C to +85°C	PBTP, UL 94V-0	.69	.65	.44	.38
538-51004-1200	51004-1200	A	12	Natural	-20°C to +85°C	PBTP, UL 94V-0	.70	.66	.50	.45
538-51004-1300	51004-1300	A	13	Natural	-20°C to +85°C	PBTP, UL 94V-0	1.25	.91	.85	.75
538-51004-1400	51004-1400	A	14	Natural	-20°C to +85°C	PBTP, UL 94V-0	.68	.65	.45	.43
538-51004-1500	51004-1500	A	15	Natural	-20°C to +85°C	PBTP, UL 94V-0	1.46	1.02	.89	.83

Headers

Specifications:

- Contact Resistance: 20mΩ Max.
- Dielectric Withstanding Voltage: 500VAC/1 minute
- Insulation Resistance: 1000 MΩ Min.
- Plating: Tin
- Contact: Phosphor Bronze

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	Color	Operating Temperature	Housing	Price Each			
							1	10	100	500
Vertical										
538-53014-0210	53014-0210	B	2	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.28	.23	.18	.17
538-53014-0310	53014-0310	B	3	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.35	.30	.23	.20
538-53014-0410	53014-0410	B	4	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.36	.30	.24	.21
538-53014-0510	53014-0510	B	5	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.39	.34	.25	.21
538-53014-0610	53014-0610	B	6	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.50	.40	.34	.30
538-53014-0710	53014-0710	B	7	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.62	.53	.40	.36
538-53014-0810	53014-0810	B	8	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.75	.65	.50	.45
538-53014-0910	53014-0910	B	9	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.81	.65	.53	.45
538-53014-1010	53014-1010	B	10	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.90	.77	.61	.53
538-53014-1110	53014-1110	B	11	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.85	.73	.55	.48
538-53014-1210	53014-1210	B	12	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	1.10	.95	.72	.64
538-53014-1310	53014-1310	B	13	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	1.35	1.20	.89	.80
538-53014-1410	53014-1410	B	14	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	1.09	.93	.70	.63
538-53014-1510	53014-1510	B	15	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	1.43	1.23	.92	.83
Right Angle										
538-53015-0210	53015-0210	C	2	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.26	.24	.17	.15
538-53015-0310	53015-0310	C	3	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.35	.24	.21	.19
538-53015-0410	53015-0410	C	4	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.35	.28	.24	.20
538-53015-0510	53015-0510	C	5	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.42	.35	.28	.24
538-53015-0610	53015-0610	C	6	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.46	.39	.29	.25
538-53015-0710	53015-0710	C	7	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.52	.45	.33	.30
538-53015-0810	53015-0810	C	8	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.65	.57	.42	.38
538-53015-0910	53015-0910	C	9	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.95	.80	.61	.53
538-53015-1010	53015-1010	C	10	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	.94	.82	.60	.51
538-53015-1110	53015-1110	C	11	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	1.05	.90	.65	.60
538-53015-1210	53015-1210	C	12	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	1.12	.97	.72	.64
538-53015-1310	53015-1310	C	13	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	1.22	1.07	.80	.72
538-53015-1410	53015-1410	C	14	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	1.40	1.20	.95	.84
538-53015-1510	53015-1510	C	15	Natural	-20°C to +85°C	Glass-filled 6/6 Nylon, UL 94V-0	2.25	1.90	1.49	1.39

CRIMP TERMINALS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size	Price Each			
				1	10	100	500
538-50011-8100	50011-8100	D	24-30AWG	.22	.20	.15	.14

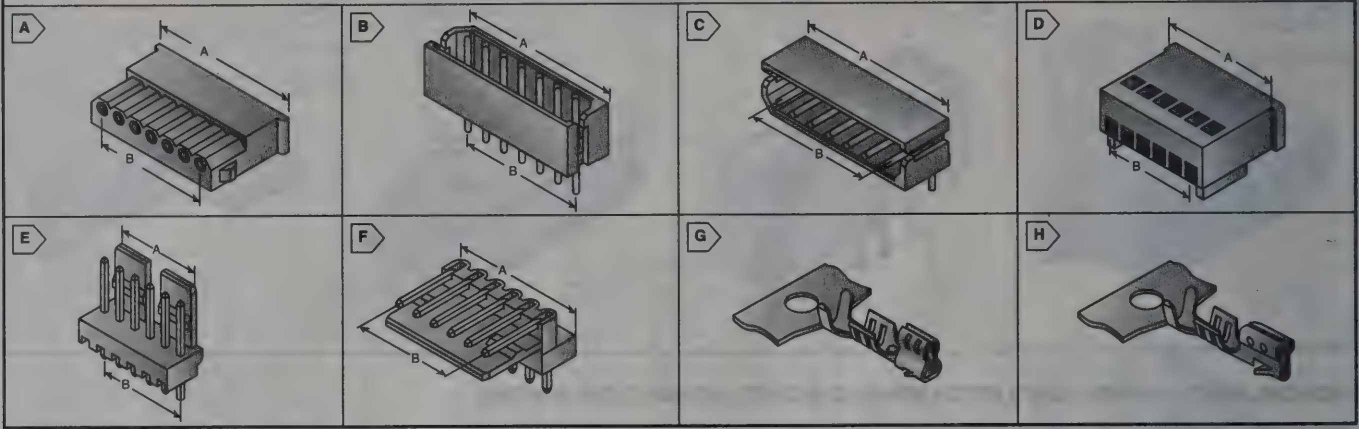
TOOLS

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each	
			1	2
538-638-11-0800	63811-0800	Hand Crimper	215.00	196.80

MOLEX 2.50mm SPOX™ Connectors

DIMENSIONS: mm



CRIMP TERMINAL HOUSINGS

- Series 5264-N
- Very low profile
- Friction lock
- Molded-in pull tabs
- Mates w/series 5267-NA & 5268-NA
- Use with terminal series 5263
- Operating temperature: -40° to +105°C
- Housing: 6/6 nylon, UL 94V-0
- RoHS Compliant per Molex documentation

LR19980 E29179 RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each			
				A	B	1	10	100	500
538-50-37-5023	50-37-5023	A	2	5.80	2.50	.21	.19	.17	.15
538-50-37-5033	50-37-5033	A	3	8.30	5.00	.27	.24	.21	.19
538-50-37-5043	50-37-5043	A	4	10.80	7.50	.32	.29	.26	.23
538-50-37-5053	50-37-5053	A	5	13.30	10.00	.37	.33	.30	.27
538-50-37-5063	50-37-5063	A	6	15.80	12.50	.42	.38	.34	.30
538-50-37-5073	50-37-5073	A	7	18.30	15.00	.48	.43	.38	.34
538-50-37-5083	50-37-5083	A	8	20.80	17.50	.51	.46	.41	.37
538-50-37-5093	50-37-5093	A	9	23.30	20.00	.57	.51	.46	.41
538-50-37-5103	50-37-5103	A	10	25.80	22.50	.62	.56	.50	.45
538-50-37-5113	50-37-5113	A	11	28.30	25.00	.69	.62	.55	.49
538-50-37-5123	50-37-5123	A	12	30.80	27.50	.74	.67	.61	.54
538-50-37-5133	50-37-5133	A	13	33.30	30.00	.80	.72	.65	.58
538-50-37-5143	50-37-5143	A	14	35.80	32.50	.82	.74	.67	.60
538-50-37-5153	50-37-5153	A	15	38.30	35.00	.86	.77	.69	.62

FULLY SHROUDED HEADERS

- Series 5276-NA & 5268-NA
- 0.70mm round pins
- Polarized
- Friction lock
- Mates with series 5264-N & 42219
- Contact: brass
- Plating: tin
- Housing: 6/6 nylon, UL 94V-0
- Operating temperature: 0° to +75°C
- RoHS Compliant per Molex documentation

LR19980 E29179 RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each			
				A	B	1	10	100	500
Vertical									
538-22-03-5025	22-03-5025	B	2	7.40	2.50	.51	.46	.41	.37
538-22-03-5035	22-03-5035	B	3	9.90	5.00	.62	.56	.50	.46
538-22-03-5045	22-03-5045	B	4	12.40	7.50	.74	.66	.59	.53
538-22-03-5055	22-03-5055	B	5	14.90	10.00	.82	.74	.67	.60
538-22-03-5065	22-03-5065	B	6	17.40	12.50	.94	.85	.76	.68
538-22-03-5075	22-03-5075	B	7	19.90	15.00	1.06	.95	.86	.77
538-22-03-5085	22-03-5085	B	8	22.40	17.50	1.17	1.05	.94	.85
538-22-03-5095	22-03-5095	B	9	24.90	20.00	1.25	1.13	1.01	.92
538-22-03-5105	22-03-5105	B	10	27.40	22.50	1.42	1.28	1.15	1.04
538-22-03-5115	22-03-5115	B	11	29.90	25.00	1.48	1.33	1.20	1.08
538-22-03-5125	22-03-5125	B	12	32.40	27.50	1.60	1.44	1.29	1.16
538-22-03-5135	22-03-5135	B	13	34.90	30.00	1.68	1.51	1.36	1.23
538-22-03-5145	22-03-5145	B	14	37.40	32.50	1.79	1.62	1.45	1.31
538-22-03-5155	22-03-5155	B	15	39.90	35.00	1.91	1.72	1.55	1.39
Right Angle									
538-22-05-7025	22-05-7025	C	2	7.40	2.50	.54	.48	.44	.39
538-22-05-7035	22-05-7035	C	3	9.90	5.00	.68	.61	.55	.49
538-22-05-7045	22-05-7045	C	4	12.40	7.50	.80	.72	.65	.58
538-22-05-7055	22-05-7055	C	5	14.90	10.00	.91	.82	.74	.66
538-22-05-7065	22-05-7065	C	6	17.40	12.50	.99	.90	.81	.73
538-22-05-7075	22-05-7075	C	7	19.90	15.00	1.11	1.00	.90	.73
538-22-05-7085	22-05-7085	C	8	22.40	17.50	1.23	1.10	.99	.89
538-22-05-7095	22-05-7095	C	9	24.90	20.00	1.31	1.18	1.06	.96
538-22-05-7105	22-05-7105	C	10	27.40	22.50	1.42	1.28	1.15	1.04
538-22-05-7115	22-05-7115	C	11	29.90	25.00	1.54	1.38	1.24	1.12
538-22-05-7125	22-05-7125	C	12	32.40	27.50	1.68	1.51	1.36	1.23
538-22-05-7135	22-05-7135	C	13	34.90	30.00	1.74	1.56	1.41	1.26
538-22-05-7145	22-05-7145	C	14	37.40	32.50	1.85	1.67	1.50	1.35
538-22-05-7155	22-05-7155	C	15	39.90	35.00	1.94	1.74	1.57	1.41

CRIMP TERMINAL HOUSINGS

- Series 5102-N
- Low profile
- Friction lock
- Molded-in pull tabs
- Mates w/series 5045 & 5046
- Use with terminal series 5103
- Operating temperature: -40° to +105°C
- Housing: 6/6 nylon, UL 94V-0
- RoHS Compliant per Molex documentation

LR19980 E29179 RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each			
				A	B	1	10	100	500
538-22-01-1024	22-01-1024	D	2	6.00	2.50	.25	.22	.20	.18
538-22-01-1034	22-01-1034	D	3	8.50	5.00	.27	.25	.22	.19
538-22-01-1044	22-01-1044	D	4	11.00	7.50	.32	.29	.26	.24
538-22-01-1054	22-01-1054	D	5	13.50	10.00	.36	.32	.29	.26
538-22-01-1064	22-01-1064	D	6	16.00	12.50	.40	.36	.33	.28
538-22-01-1074	22-01-1074	D	7	18.50	15.00	.46	.41	.38	.34
538-22-01-1084	22-01-1084	D	8	21.00	17.50	.49	.43	.39	.35
538-22-01-1094	22-01-1094	D	9	23.50	20.00	.54	.49	.45	.41
538-22-01-1104	22-01-1104	D	10	26.00	22.50	.57	.51	.46	.41
538-22-01-1114	22-01-1114	D	11	28.50	25.00	.63	.57	.52	.48

HEADERS

- Mates with series 5102-N housings
- .064mm square wire pins
- Contact: Brass
- Plating: Tin
- Housing: 6/6 nylon, UL 94V-0
- Operating temperature: -40° to +105°C
- RoHS Compliant per Molex documentation

LR19980 E29179 RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each			
				A	B	1	10	100	500
Vertical - Polarizing Lock - Series 5045									
538-22-04-1021	22-04-1021	E	2	4.50	2.50	.80	.72	.48	.39
538-22-04-1031	22-04-1031	E	3	7.00	5.00	.83	.75	.58	.46
538-22-04-1041	22-04-1041	E	4	9.50	7.50	.86	.77	.67	.54
538-22-04-1051	22-04-1051	E	5	12.00	10.00	1.03	.92	.80	.64
538-22-04-1061	22-04-1061	E	6	14.50	12.50	1.14	1.03	.89	.71
538-22-04-1071	22-04-1071	E	7	17.00	15.00	1.14	1.03	.89	.71
538-22-04-1081	22-04-1081	E	8	19.50	17.50	1.43	1.28	1.11	.89
538-22-04-1091	22-04-1091	E	9	22.00	20.00	1.54	1.38	1.20	.96
538-22-04-1101	22-04-1101	E	10	24.50	22.50	1.63	1.46	1.27	1.02
538-22-04-1111	22-04-1111	E	11	27.00	25.00	1.83	1.64	1.42	1.14
Mini-Latch™ Right Angle - Friction Lock - Series 5046									
538-22-05-1022	22-05-1022	F	2	4.50	2.50	1.00	.90	.78	.63
538-22-05-1032	22-05-1032	F	3	7.00	5.00	1.17	1.05	.91	.73
538-22-05-1042	22-05-1042	F	4	9.50	7.50	1.34	1.21	1.04	.84
538-22-05-1052	22-05-1052	F	5	12.00	10.00	1.46	1.31	1.13	.91
538-22-05-1062	22-05-1062	F	6	14.50	12.50	1.66	1.49	1.29	1.04
538-22-05-1072	22-05-1072	F	7	17.00	15.00	1.80	1.62	1.40	1.13
538-22-05-1082	22-05-1082	F	8	19.50	17.50	1.97	1.77	1.53	1.23

CRIMP TERMINALS

- Series 5263 & 5103
- Anti-fishhooking design
- RoHS Compliant per Molex documentation

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	AWG	Plating	Price Each			
						1	100	500	1000
Series 5263									
538-08-70-1040	08-70-1040	G	Female	22-28	Tin/Bronze	.22	.18	.16	.14
Series 5103									
538-08-70-0057	08-70-0057	H	Female	22-28	Tin/Brass	.15	.13	.11	.10
538-08-70-0059	08-70-0059	H	Female	22-28	Tin/Bronze	.18	.15	.14	.13

TOOLING

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-63811-5200	63811-5200	Hand Crimp Tool, 22 - 28 AWG	224.00

MOLEX LFH™ and EBBI™ Connectors

LFH™ (LOW FORCE HELIX) CONNECTORS

The Low Force Helix (LFH) contact was designed for high-pin count signal applications where there is a need for reliability and performance. Designed for both cable-to-board and board-to-board applications, the system's low insertion forces make it ideal for situations where multiple single lines need to be terminated or packaged in a limited space.

Features:
- Matrix 50 contact layout is four rows on 1.27 by 1.27mm (.050 by .050") spacing
- Redundant contact points for long-term reliability
- High cycle life via controlled plating and contact surfaces
- Good electrical performance for high-speed applications

Applications:
- Mainframe Computers
- Mass storage
- Portable POS units
- Network Interface Cards
- Routers
- Switches

Specifications:
- Current Rating: 1.0A max
- Voltage: 40V max
- Withstanding Voltage: 500V AC
- Contact Resistance: 20mΩ max
- Insulation Resistance: 100MΩ min

Right-Angle Receptacle - Mates with 70929

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	PC Tail Length (In.)	Price Each 1	10	25	50
538-70928-2000	70928-2000	A	60	.079	10.55	8.79	7.56	6.51
538-70928-2001	70928-2001	A	60	.092	10.69	9.98	9.26	7.13
538-70928-2002	70928-2002	A	60	.104	14.22	12.80	11.52	10.37

Vertical Plug Cable Kit

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	Price Each 1	10	25	50
538-70929-2000	*70929-2000	B	60	3.34	3.02	2.71	2.43
538-51-24-2022	51-24-2022	-	15 / Stick	1.95	1.62	1.40	1.20

* 4 Terminal Sticks Required (51-24-2022)

Vertical Receptacle - Mates with 51-25-1040

For quantities of 100 and up, call for quote.

538-71626-1001	71626-1001	C	160	22.51	20.26	18.23	16.41

Right-Angle Receptacle - Mates with 51-25-1040

For quantities of 100 and up, call for quote.

538-51-24-1040	51-24-1040	D	160	23.51	21.63	19.89	18.31
538-71626-4000	*71626-4000	D	160	33.72	31.02	28.54	26.25

* Guide Hardware Attached

Right-Angle Plug Cable Kit

For quantities of 100 and up, call for quote.

538-51-25-1040	*51-25-1040	E	160	24.77	22.29	20.06	18.05
538-70984-4009	70984-4009	-	40 / Stick	4.47	3.73	3.20	2.76

* 4 Terminal Sticks Required (70984-4009)

Hardware

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each 1	10	25	50
538-71629-4000	71629-4000	Guide Hardware	2.10	1.95	1.74	1.55
538-70982-1003	70982-1003	Hex Lock Screw	.91	.84	.77	.71

EBBI™ 50D CONNECTORS

The Molex EBBI 50D series meets the market demand for low-cost, unshielded, high density, leaf-style connectors. Several configurations are available including vertical, right angle, and blind-mating to provide valuable design flexibility and expandability. Leaf-style terminals are arranged in two rows on .050" spacing within a polarized "D"-shaped housing for rugged mechanical protection. Housings are made of high-temperature, UL 94V-0 thermoplastic. Terminals are plated with 30µ" min. gold in the mating area for long term reliability and durability. The IDT cable receptacle terminates to both .025" flat ribbon or laminated discrete-wire cable. A built-in polarizing key prevents mismating to the PCB card edge. The cable-gripping cover prevents cable pull-out and eliminates the need for an extra retention cover.

Specifications:
- Current Rating: 1.0A at 20° maximum temperature rise
- Voltage: 30V AC max
- Ambient Temperature: -40°C to 105°C
- Housing Material: Thermoplastic
- Flammability: UL94V-0
- Contact: Copper (Cu) Alloy
- Under Plating: Nickel (Ni)
- Durability: 500 cycles

Vertical Receptacle - Mates with 71661-2xxx Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Number of Circuits	Price Each 1	10	25	50
538-15-92-1030	15-92-1030	F	30	3.82	3.18	2.74	2.61
538-15-92-1068	15-92-1068	F	68	4.82	4.02	3.46	3.15
538-15-92-1080	15-92-1080	F	80	5.23	4.36	3.75	3.67

RoHS Compliant

Vertical IDT (Insulation Displacement Technology) Receptacle - Mates with 71661-2xxx Series

For quantities of 100 and up, call for quote.

538-15-92-3068	15-92-3068	G	68	3.49	2.99	2.64	2.43
538-15-92-3080	15-92-3080	G	80	4.92	4.10	3.52	3.35

Right-Angle Plug - Mates with 15-92-xxxx Series

For quantities of 100 and up, call for quote.

538-71661-2030	71661-2030	H	30	2.07	1.73	1.49	1.28
538-71661-2068	71661-2068	H	68	4.64	3.87	3.32	2.86
538-71661-2080	71661-2080	H	80	8.67	7.22	6.21	5.34

RoHS Compliant

Vertical Blind-Mate Receptacle - Mates with 71661-7xxx Series

For quantities of 100 and up, call for quote.

538-71660-7080	71660-7080	I	80	8.37	7.53	6.78	6.10

RoHS Compliant

Vertical Blind-Mate Plug - Mates with 71660-7xxx Series

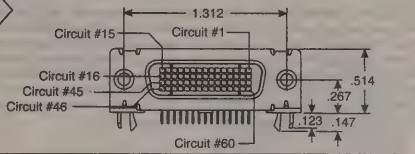
RoHS Compliant

For quantities of 100 and up, call for quote.

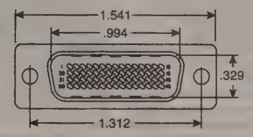
538-71661-7080	71661-7080	J	80	8.95	7.46	6.41	5.52

DIMENSIONS: in.

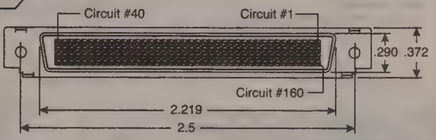
A



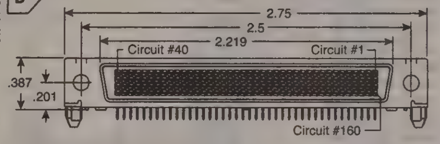
B



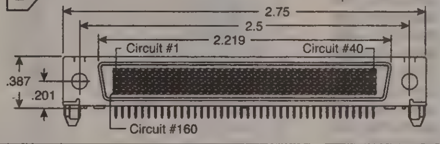
C



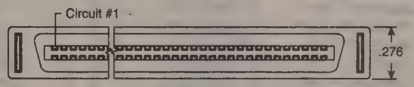
D



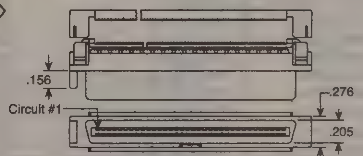
E



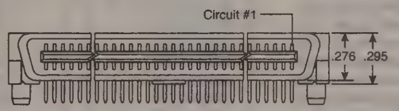
F



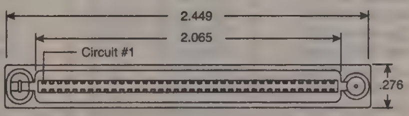
G



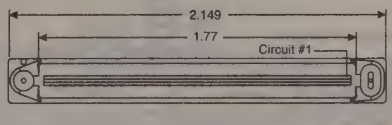
H



I



J



MOLEX MicroClasp™ Connectors

MOLEX 2.0MM (.079") RECEPTACLES AND HEADERS DUAL ROW - WIRE-TO-BOARD

The original application for the MicroClasp™ connector system was Pachinko (gaming) machines. Most of these machines previously used 2.50mm pitch WTB systems with outer positive locks. As pachinko boards became higher density with more functions, makers were looking for a smaller connector that was also easy to install. Easy installation is important because new game upgrades on daughterboard modules would be installed on-site by pachinko parlor employees. Molex developed the 2.0mm MicroClasp™ system to meet these various needs. Notches would sometimes have to be cut into panels to accommodate the old 2.50mm pitch outer-style positive lock types, but not with MicroClasp™. The smaller pitch and inner positive lock saved space and are easy to actuate in high density areas. And a unique low insertion force terminal makes it easy for operators to insert/extract connectors. In addition, MicroClasp™ is among the smallest of its kind to carry 3.0 Amps as most 2.0mm pitch systems can only accommodate 2.0 Amps. The extra signal power and space savings is important so Pachinko makers and other equipment makers can offer more high-end graphics/sound/etc in smaller spaces.

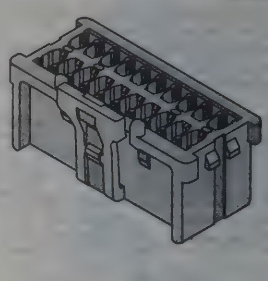
Features:
- Two point contact design for greater reliability
- Locking tang on contact for secure retention to the housing
- Positive lock on the housing assures secure retention when mated to a header
- Polarized mating geometry assures housings cannot be mismated to headers
- Headers fully shrouded to protect pins
- Lead-free plating
- Headers - through hole mounting

Electrical:
- Current: 3.0A max
- Voltage: 250V

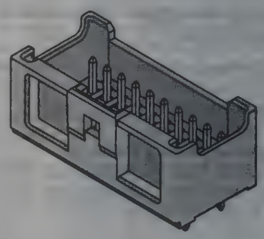
Physical:
- Receptacles / Headers: White, Nylon 6/6, UL 94V-0
- Pin: Brass
- Plating: Lead-free Tin
- Operating Temperature: -25°C to +85°C

Applications:
- Coin Operated Devices
- Power Tools
- Alarms / Security systems
- Washers / Dryers
- Medical (Hospital beds, Patient monitors)
- HVAC
- Power supplies
- Exercise equipment

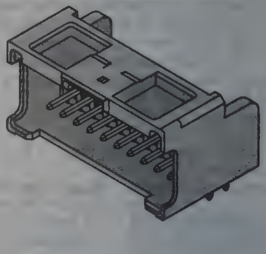
A



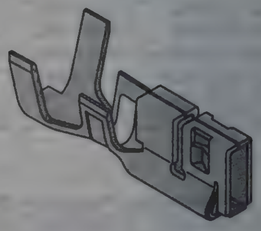
B



C



D



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Overall Length (In.)	First-to-Last Circuit (In.)	Price Each				
						1	10	25	50	100
Receptacle Housings										
538-51353-0800	51353-0800	A	8	0.449	0.236	.24	.22	.20	.18	.16
538-51353-1000	51353-1000	A	10	0.528	0.315	.32	.29	.27	.22	.21
538-51353-1200	51353-1200	A	12	0.606	0.394	.34	.31	.29	.24	.22
538-51353-1400	51353-1400	A	14	0.685	0.472	.39	.34	.32	.29	.27
538-51353-1600	51353-1600	A	16	0.764	0.551	.48	.43	.39	.31	.30
538-51353-1800	51353-1800	A	18	0.843	0.630	.63	.57	.52	.41	.36
538-51353-2000	51353-2000	A	20	0.921	0.709	.57	.51	.47	.38	.36
538-51353-2200	51353-2200	A	22	1.000	0.787	.64	.57	.52	.43	.41
538-51353-2400	51353-2400	A	24	1.079	0.866	.69	.62	.59	.48	.45
538-51353-2600	51353-2600	A	26	1.157	0.945	.88	.82	.78	.76	.74
538-51353-2800	51353-2800	A	28	1.236	1.024	.80	.72	.68	.63	.61
538-51353-3000	51353-3000	A	30	1.315	1.102	.99	.97	.95	.93	.70
538-51353-3200	51353-3200	A	32	1.394	1.181	1.07	1.02	.98	.76	.73
538-51353-3400	51353-3400	A	34	1.472	1.260	1.29	1.22	1.18	1.14	.86
538-51353-3600	51353-3600	A	36	1.551	1.339	1.32	1.26	1.20	1.14	1.09
538-51353-3800	51353-3800	A	38	1.630	1.417	1.39	1.33	1.26	1.21	1.15
538-51353-4000	51353-4000	A	40	1.709	1.437	1.19	1.14	1.08	1.03	.98
Vertical Headers										
538-55917-0810	55917-0810	B	8	0.449	0.236	.46	.40	.37	.27	.25
538-55917-1010	55917-1010	B	10	0.528	0.315	.53	.47	.44	.35	.31
538-55917-1210	55917-1210	B	12	0.606	0.394	.60	.53	.49	.39	.34
538-55917-1410	55917-1410	B	14	0.685	0.472	.64	.60	.58	.56	.54
538-55917-1610	55917-1610	B	16	0.764	0.551	.67	.59	.55	.44	.42
538-55917-1810	55917-1810	B	18	0.843	0.630	.84	.82	.80	.78	.59
538-55917-2010	55917-2010	B	20	0.921	0.709	.62	.56	.51	.44	.42
538-55917-2210	55917-2210	B	22	1.000	0.787	.83	.74	.72	.70	.68
538-55917-2410	55917-2410	B	24	1.079	0.866	.82	.78	.74	.70	.63
538-55917-2610	55917-2610	B	26	1.157	0.945	1.26	1.14	1.10	1.04	.89
538-55917-2810	55917-2810	B	28	1.236	1.024	1.45	1.34	1.29	1.26	.92
538-55917-3010	55917-3010	B	30	1.315	1.102	1.59	1.48	1.41	1.34	.99
538-55917-3210	55917-3210	B	32	1.394	1.181	1.71	1.58	1.51	1.44	1.13
538-55917-3410	55917-3410	B	34	1.472	1.260	1.79	1.67	1.59	1.51	1.19
538-55917-3610	55917-3610	B	36	1.551	1.339	1.78	1.65	1.58	1.51	1.43
538-55917-3810	55917-3810	B	38	1.630	1.417	1.85	1.72	1.65	1.56	1.49
538-55917-4010	55917-4010	B	40	1.709	1.496	1.92	1.78	1.52	1.45	1.38
Right-Angle Headers										
538-55959-0830	55959-0830	C	8	0.449	0.236	.77	.68	.62	.48	.46
538-55959-1030	55959-1030	C	10	0.528	0.315	.78	.69	.63	.50	.48
538-55959-1230	55959-1230	C	12	0.606	0.394	.80	.71	.65	.53	.51
538-55959-1430	55959-1430	C	14	0.685	0.472	1.09	.98	.88	.84	.81
538-55959-1630	55959-1630	C	16	0.764	0.551	.97	.86	.80	.64	.61
538-55959-1830	55959-1830	C	18	0.843	0.630	1.04	.92	.86	.68	.65
538-55959-2030	55959-2030	C	20	0.921	0.709	1.21	1.12	1.01	.81	.71
538-55959-2230	55959-2230	C	22	1.000	0.787	1.20	1.07	.99	.80	.75
538-55959-2430	55959-2430	C	24	1.079	0.866	1.27	1.13	1.06	.85	.80
538-55959-2630	55959-2630	C	26	1.157	0.945	1.33	1.19	1.10	.87	.84
538-55959-2830	55959-2830	C	28	1.236	1.024	1.40	1.25	1.16	.92	.88
538-55959-3030	55959-3030	C	30	1.315	1.102	1.61	1.44	1.33	1.05	1.02
538-55959-3230	55959-3230	C	32	1.394	1.181	1.66	1.48	1.37	1.08	1.04
538-55959-3430	55959-3430	C	34	1.472	1.260	1.70	1.52	1.41	1.11	1.07
538-55959-3630	55959-3630	C	36	1.551	1.339	1.89	1.68	1.56	1.23	1.19
538-55959-3830	55959-3830	C	38	1.630	1.417	1.96	1.74	1.62	1.28	1.23
538-55959-4030	55959-4030	C	40	1.709	1.496	2.34	2.23	1.61	1.52	1.47

Contact - Female

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each			
				1	100	500	1000
538-56134-9000	56134-9000	D	22-28 AWG	.11	.08	.06	.05

Tool

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-57404-5300	57404-5300	Hand Crimper	1193.40

MOLEX Sherlock™ Connectors

SHERLOCK™ 2.0mm (.079") PITCH SINGLE-ROW CONNECTORS WIRE-TO-BOARD

Originally developed for PC monitor applications, this 2.0mm pitch system can also be used for other applications that require space savings and secure locking features.

RoHS Compliant

Features:
- Low-profile compact design
- Positive locking ribs
- Polarizing guide wall
- Low-insertion force terminal
- Box-style contact design
- Fully-shrouded header
- 2.0mm Pitch

Applications:
- PC Monitor
- TV
- VCR
- Printer
- Instrumentation
- Air Conditioner
- Vending Machine

Specifications:
- Voltage: 125V
- Current: 2.0A max.
- Contact Resistance: 20mΩ max.
- Dielectric Withstanding Voltage: 500V
- Insulation Resistance: 1000 MΩ min.
- Housings: Polyamide, UL 94V-0
- Operating Temperature: -40°C to +105°C
- AWG: 24-30
- RoHS Compliant per Molex documentation

Housings

- Mating Height: 7.2mm
- Mating Width: 5.8mm

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Contacts	Dimensions: mm (in.)		Price Each			
				A	B	1	10	100	500
538-35507-0200	35507-0200	A	2	7.20 (.283)	2.00 (.079)	.18	.15	.12	.09
538-35507-0300	35507-0300	A	3	9.20 (.362)	4.00 (.157)	.21	.18	.14	.11
538-35507-0400	35507-0400	A	4	10.30 (.406)	6.00 (.236)	.24	.20	.16	.12
538-35507-0500	35507-0500	A	5	12.30 (.484)	8.00 (.315)	.32	.26	.21	.16
538-35507-0600	35507-0600	A	6	14.30 (.563)	10.00 (.394)	.28	.24	.19	.14
538-35507-0700	35507-0700	A	7	16.30 (.642)	12.00 (.472)	.31	.26	.21	.15
538-35507-0800	35507-0800	A	8	18.30 (.720)	14.00 (.551)	.34	.28	.23	.17
538-35507-0900	35507-0900	A	9	20.30 (.799)	16.00 (.630)	.35	.29	.24	.18
538-35507-1000	35507-1000	A	10	22.30 (.878)	18.00 (.709)	.36	.30	.24	.18
538-35507-1100	35507-1100	A	11	24.30 (.957)	20.00 (.787)	.38	.31	.25	.19
538-35507-1200	35507-1200	A	12	26.30 (1.035)	22.00 (.866)	.40	.34	.27	.20
538-35507-1300	35507-1300	A	13	28.30 (1.114)	24.00 (.945)	.42	.35	.28	.21
538-35507-1400	35507-1400	A	14	30.30 (1.193)	26.00 (1.024)	.48	.40	.32	.24
538-35507-1500	35507-1500	A	15	32.30 (1.272)	28.00 (1.102)	.60	.50	.40	.30
538-35507-2000	35507-2000	A	20	42.30 (1.665)	38.00 (1.496)	.68	.57	.45	.34

RoHS Compliant

Vertical Headers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Contacts	Dimensions: mm (in.)		Price Each			
				A	B	1	10	100	500
538-35362-0250	35362-0250	B	2	7.70 (.303)	2.00 (.079)	.34	.28	.23	.17
538-35362-0350	35362-0350	B	3	9.70 (.382)	4.00 (.157)	.41	.35	.28	.21
538-35362-0450	35362-0450	B	4	10.30 (.406)	6.00 (.236)	.45	.38	.30	.23
538-35362-0550	35362-0550	B	5	12.30 (.484)	8.00 (.315)	.55	.46	.37	.28
538-35362-0650	35362-0650	B	6	14.30 (.563)	10.00 (.394)	.60	.50	.40	.30
538-35362-0750	35362-0750	B	7	16.30 (.642)	12.00 (.472)	.58	.52	.38	.32
538-35362-0850	35362-0850	B	8	18.30 (.720)	14.00 (.551)	.78	.65	.51	.39
538-35362-0950	35362-0950	B	9	20.30 (.799)	16.00 (.630)	.62	.49	.43	.37
538-35362-1050	35362-1050	B	10	22.30 (.878)	18.00 (.709)	.64	.49	.42	.37
538-35362-1150	35362-1150	B	11	24.30 (.957)	20.00 (.787)	.99	.82	.66	.49
538-35362-1250	35362-1250	B	12	26.30 (1.035)	22.00 (.866)	1.05	.88	.68	.53
538-35362-1350	35362-1350	B	13	28.30 (1.114)	24.00 (.945)	1.14	.95	.76	.57
538-35362-1450	35362-1450	B	14	30.30 (1.193)	26.00 (1.024)	1.21	1.01	.80	.59
538-35362-1550	35362-1550	B	15	32.30 (1.272)	28.00 (1.102)	.98	.87	.59	.54
538-35362-2050	35362-2050	B	20	42.30 (1.665)	38.00 (1.496)	1.92	1.60	1.28	.96

Right-Angle Headers

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Contacts	Dimensions: mm (in.)		Price Each			
				A	B	1	10	100	500
538-35363-0260	35363-0260	C	2	7.70 (.303)	2.00 (.079)	.44	.37	.29	.22
538-35363-0360	35363-0360	C	3	9.70 (.382)	4.00 (.157)	.49	.41	.30	.22
538-35363-0460	35363-0460	C	4	10.30 (.406)	6.00 (.236)	.53	.44	.35	.27
538-35363-0560	35363-0560	C	5	12.30 (.484)	8.00 (.315)	.65	.54	.43	.32
538-35363-0660	35363-0660	C	6	14.30 (.563)	10.00 (.394)	.68	.57	.45	.34
538-35363-0760	35363-0760	C	7	16.30 (.642)	12.00 (.472)	.79	.66	.53	.40
538-35363-0860	35363-0860	C	8	18.30 (.720)	14.00 (.551)	.85	.69	.45	.40
538-35363-0960	35363-0960	C	9	20.30 (.799)	16.00 (.630)	.91	.78	.58	.44
538-35363-1060	35363-1060	C	10	22.30 (.878)	18.00 (.709)	1.05	.88	.65	.49
538-35363-1160	35363-1160	C	11	24.30 (.957)	20.00 (.787)	1.11	.93	.70	.55
538-35363-1260	35363-1260	C	12	26.30 (1.035)	22.00 (.866)	.80	.71	.53	.48
538-35363-1360	35363-1360	C	13	28.30 (1.114)	24.00 (.945)	.88	.79	.67	.56
538-35363-1460	35363-1460	C	14	30.30 (1.193)	26.00 (1.024)	.94	.89	.78	.65
538-35363-1560	35363-1560	C	15	32.30 (1.272)	28.00 (1.102)	1.03	.92	.84	.65
538-35363-2060	35363-2060	C	20	42.30 (1.665)	38.00 (1.496)	1.73	1.44	1.15	.87

RoHS Compliant

Terminals

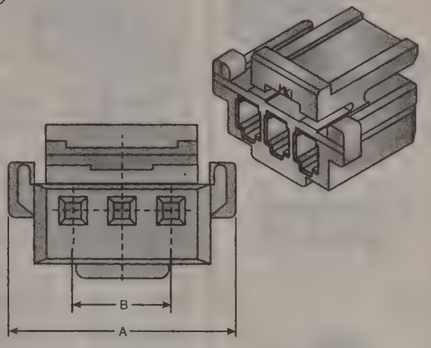
- Spring-box design with internal cat-ear contact points.

For quantities of 2000 and up, call for quote.

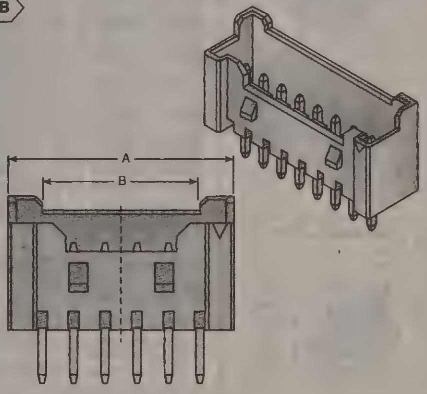
MOUSER STOCK NO.	Molex Part No.	Fig.	AWG	Contact	Plating	Price Each			
						1	100	500	1000
538-50212-8100	50212-8100	D	24 - 30	Phosphor Bronze	Tin	.15	.13	.12	.11

DIMENSIONS: mm (in.)

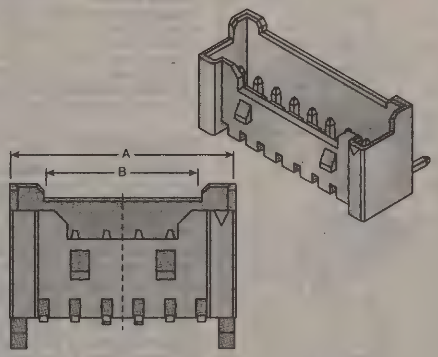
A



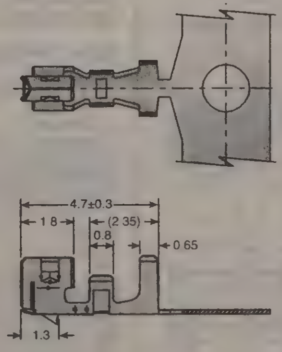
B

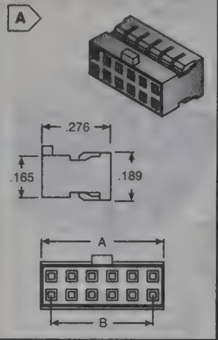


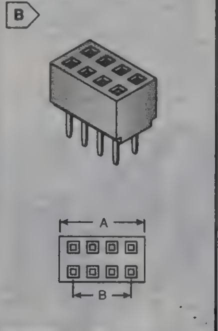
C

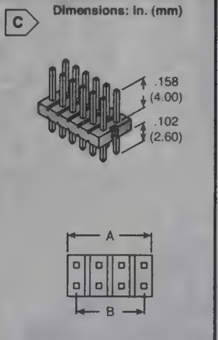


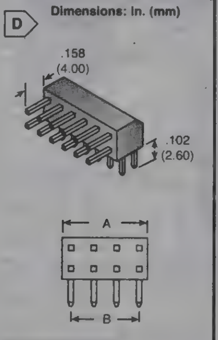
D

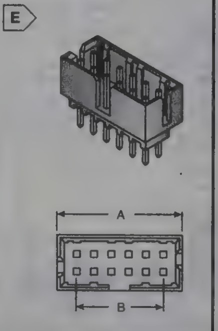


A


B


C


D


E


2.00mm (.079") CRIMP HOUSINGS VERTICAL DUAL ROW

- Front latches for added retention forces after mating
- Mates with 0.50mm square pin headers
- Housing: Black glass filled polyester, UL 94V-0
- Operating Temperature: -55°C to +105°C
- End-to-end and Side-to-side stackable
- AWG 24-30

LR19980 E29179

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen.: mm		Price Each		
				A	B	1	10	100
With Polarization Keys								
538-511100851 *	51110-0851	A	8	8.20	6.00	.36	.22	.18
538-511101051 *	51110-1051	A	10	10.20	8.00	.38	.24	.19
538-511101251 *	51110-1251	A	12	12.20	10.00	.40	.25	.20
538-511101451	51110-1451	A	14	14.20	12.00	.47	.29	.23
538-51110-1651	51110-1651	A	16	16.20	14.00	.56	.35	.30
538-511101851	51110-1851	A	18	18.20	16.00	.73	.64	.43
538-511102051	51110-2051	A	20	20.20	18.00	.80	.70	.47
538-511102251	51110-2251	A	22	22.20	20.00	.87	.77	.51
538-511102451	51110-2451	A	24	24.20	22.00	.94	.83	.55
538-511102651	51110-2651	A	26	26.20	24.00	.57	.53	.44
538-511103051	51110-3051	A	30	30.20	28.00	1.15	1.00	.67
Without Polarization Keys								
538-511100450	51110-0450	A	4	4.20	2.00	.32	.20	.16
538-511100650	51110-0650	A	6	6.20	4.00	.33	.21	.20
538-511100850 *	51110-0850	A	8	8.20	6.00	.36	.22	.19
538-51110-1050 *	51110-1050	A	10	10.20	8.00	.38	.24	.22
538-511101250 *	51110-1250	A	12	12.20	10.00	.40	.25	.23
538-511101450	51110-1450	A	14	14.20	12.00	.47	.36	.32
538-511101650	51110-1650	A	16	16.20	14.00	.59	.53	.39
538-511102050	51110-2050	A	20	20.20	18.00	.67	.42	.40
538-511102250	51110-2250	A	22	22.20	20.00	.87	.77	.51
538-511102450	51110-2450	A	24	24.20	22.00	.81	.51	.40
538-511102650	51110-2650	A	26	26.20	24.00	.87	.54	.50
538-511102850	51110-2850	A	28	28.20	26.00	.94	.59	.47
538-511103050	51110-3050	A	30	30.20	28.00	1.00	.63	.50

* Center polarization key

2.00mm (.079") RECEPTACLES VERTICAL, DUAL ROW

- IR, vapor-phase and wave solder/surface mount compatible
- Dual beam contact design ensures reliable electrical performance
- Molded-in void locations for polarization to mating connector
- PC tails have tapered lead-in for insertion into the PC board
- Mates with 0.50mm square pin headers
- Through hole
- Board to board
- Current: 1.0A
- Voltage: 125V
- Housing: Black glass-filled LCP, UL 94V-0
- Operating Temperature: -55°C to 105°C
- Contact: Phosphor bronze
- Plating: 15μ" min. gold

LR19980 E29179

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen.: mm		Price Each		
				A	B	1	10	100
538-79107-7001	79107-7001	B	4	4.19	2.00	1.81	1.57	1.07
538-79107-7002	79107-7002	B	6	6.19	4.00	2.10	1.68	1.52
538-79107-7003	79107-7003	B	8	8.19	6.00	2.32	2.02	1.38
538-79107-7004	79107-7004	B	10	10.19	8.00	2.88	2.52	1.71
538-79107-7005	79107-7005	B	12	12.19	10.00	2.81	2.44	1.66
538-79107-7006	79107-7006	B	14	14.19	12.00	3.41	2.96	2.02
538-79107-7007	79107-7007	B	16	16.19	14.00	3.27	2.84	1.94
538-79107-7008	79107-7008	B	18	18.19	16.00	3.51	3.06	2.08
538-79107-7009	79107-7009	B	20	20.19	18.00	3.70	3.22	2.19
538-79107-7010	79107-7010	B	22	22.19	20.00	3.61	3.14	2.13
538-79107-7011	79107-7011	B	24	24.19	22.00	4.21	3.67	2.50
538-79107-7014	79107-7014	B	30	30.19	28.00	5.27	4.58	3.12
538-79107-7019	79107-7019	B	40	40.19	38.00	5.30	4.61	3.15
538-791077021	79107-7021	B	44	44.19	42.00	7.72	6.72	4.58
538-79107-7024	79107-7024	B	50	50.19	48.00	8.81	7.77	5.18

Crimp Terminal

- Contact: Phosphor bronze
- Operating Temperature: -40 to +105°C
- Voltage: 250V

RoHS Compliant

LR19980 E29179

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	AWG	Price Each		
			1	100	500
538-50394-8100	50394-8100	24-30	.12	.11	.10

Tools

- 24-30 AWG

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each	
			1	5
538-11-01-0204	11-01-0204	Hand Crimp Tool	197.00	182.94
538-11-26-0100	11-26-0100	Extraction Tool	20.31	18.86

2.00mm (.079") VERTICAL HEADERS

- End-to-end stackable
- Mates with Milli-Grid Receptacles, Series 79107
- Surface Mount Compatible
- Housing: High temperature 4/6 nylon, UL 94V-0
- Contact: Phosphor bronze, 0.50mm square
- Plating: 15μ" select gold
- Operating Temperature: -55°C to +150°C
- PCB Thickness: 1.60 ± 0.10mm

E29179 LR19980-182

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen.: mm		Price Each		
				A	B	1	10	100
538-87758-0416	87758-0416	C	4	3.90	2.00	.44	.38	.36
538-87758-0616	87758-0616	C	6	5.90	4.00	.86	.72	.58
538-87758-0816	87758-0816	C	8	7.90	6.00	.86	.72	.58
538-87758-1016	87758-1016	C	10	9.90	8.00	.74	.62	.50
538-87758-1216	87758-1216	C	12	11.90	10.00	.92	.82	.74
538-87758-1416	87758-1416	C	14	13.90	12.00	.96	.80	.64
538-87758-1616	87758-1616	C	16	15.90	14.00	1.00	.83	.75
538-87758-1816	87758-1816	C	18	17.90	16.00	1.12	.94	.75
538-87758-2016	87758-2016	C	20	19.90	18.00	1.46	1.22	.98
538-87758-2216	87758-2216	C	22	21.90	20.00	1.46	1.22	.98
538-87758-2416	87758-2416	C	24	23.90	22.00	1.56	1.34	1.09
538-87758-2616	87758-2616	C	26	25.90	24.00	1.77	1.48	1.18
538-87758-2816	87758-2816	C	28	27.90	26.00	3.28	2.87	2.46
538-87758-3016	87758-3016	C	30	29.90	28.00	1.97	1.76	1.59
538-87758-4016	87758-4016	C	40	39.90	38.00	2.40	2.00	1.60
538-87758-4216	87758-4216	C	42	41.90	40.00	3.24	2.70	2.16
538-87758-4416	87758-4416	C	44	43.90	42.00	2.64	2.20	1.76
538-87758-4616	87758-4616	C	46	45.90	44.00	3.54	2.95	2.36
538-87758-4816	87758-4816	C	48	47.90	46.00	3.69	3.08	2.46
538-87758-5016	87758-5016	C	50	49.90	48.00	2.70	2.25	1.80

2.00mm (.079") RIGHT ANGLE HEADERS

- End-to-end stackable
- Mates with Milli-Grid Receptacles, Series 79107
- Housing: Black glass-filled polyester, UL 94V-0
- Contact: Phosphor bronze, 0.50mm square
- Plating: 15μ" select gold
- Operating Temperature: -55 to +105°C

LR19980-182 E29179

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen.: mm		Price Each		
				A	B	1	10	100
538-87760-0416	87760-0416	D	4	2.00	4.00	.95	.86	.81
538-87760-0616	87760-0616	D	6	4.00	6.00	.73	.59	.48
538-87760-0816	87760-0816	D	8	6.00	8.00	.84	.74	.50
538-87760-1016	87760-1016	D	10	8.00	10.00	1.52	1.33	1.14
538-87760-1216	87760-1216	D	12	10.00	12.00	1.28	1.12	.75
538-87760-1416	87760-1416	D	14	12.00	14.00	1.35	1.18	.79
538-87760-1616	87760-1616	D	16	14.00	16.00	1.42	1.24	.83
538-87760-1816	87760-1816	D	18	16.00	18.00	1.60	1.41	.94
538-87760-2016	87760-2016	D	20	18.00	20.00	1.66	1.46	.97
538-87760-2216	87760-2216	D	22	20.00	22.00	2.00	1.75	1.50
538-87760-2416	87760-2416	D	24	22.00	24.00	1.91	1.68	1.12
538-87760-2616	87760-2616	D	26	24.00	26.00	1.63	1.30	1.14

2.00mm (.079") VERTICAL SHROUDED HEADERS

- Fully shrouded to protect pins during mating/unmating
- Center slot for polarization
- Side latches for mechanical locking (18, 40 circuit only)
- No center polarization slot for circuit size 4 and 6
- Housing: Black 4/6 nylon, UL 94V-0
- Contact: Phosphor bronze
- Plating: 15μ" select gold

LR19980 E29179

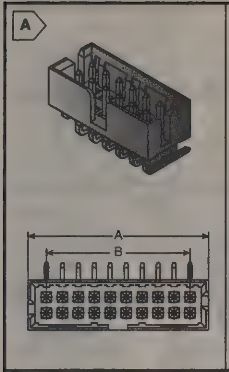
RoHS Compliant

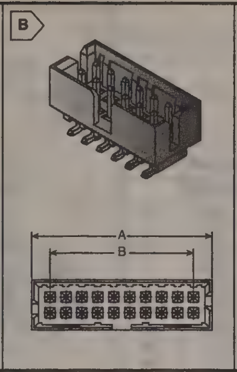
For quantities of 500 and up, call for quote.

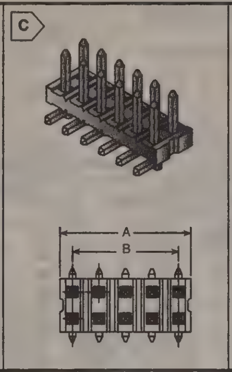
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Cir.	Dimen.: mm		Price Each		
				A	B	1	10	100
538-87831-0420	87831-0420	E	4	6.65	2.00	.92	.83	.78
538-87831-0620	87831-0620	E	6	8.65	4.00	.91	.83	.77
538-87831-0820	87831-0820	E	8	10.65	6.00	.96	.87	.54
538-87831-1020	87831-1020	E	10	12.65	8.00	.84	.74	.63
538-87831-1220	87831-1220	E	12	14.65	10.00	2.60	2.28	1.95
538-87831-1420	87831-1420	E	14	16.65	12.00	.57	.51	.48
538-87831-1620	87831-1620	E	16	18.65	16.00	1.82	1.58	1.02
538-87831-1820	87831-1820	E	18	20.65	16.00	1.26	1.13	1.07
538-87831-2020	87831-2020	E	20	22.65	18.00	1.08	.99	.86
538-87831-2220	87831-2220	E	22	24.65	20.00	3.57	2.98	2.38
538-87831-2420	87831-2420	E	24	26.65	22.00	1.26	1.16	1.01
538-87831-3020	87831-3020	E	30	32.65	28.00	2.48	2.24	2.05
538-87831-4020	87831-4020	E	40	42.65	38.00	2.20	1.82	1.52
538-87831-4420	87831-4420	E	44	46.65	42.00	2.31	2.12	1.85
538-87831-5020	87831-5020	E	50	52.65	48.00	6.82	6.14	5.53

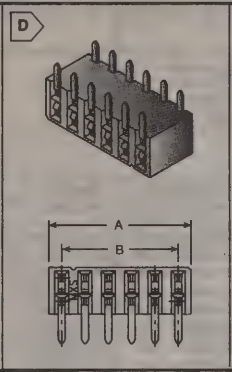
MOLEX 2mm Milli-Grid™ Connectors

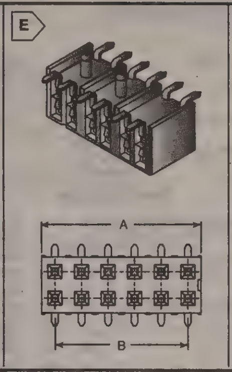
RoHS Compliant This page of product is compliant.

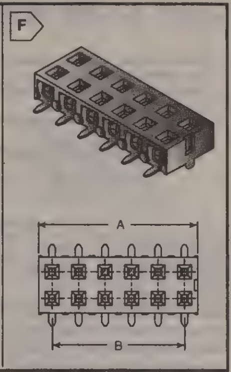












2.00MM (.079") RIGHT ANGLE SHROUDED HEADERS

- Fully shrouded to protect pins during mating/unmating
- Center polarization slot (8 to 12 Circuits)
- Center polarization slot and front windows (14 to 50 Circuits)
- Current: 2.0A • Voltage: 125V
- Housing: PA Polymide (Nylon) 4/6 UL 94V-0
- Plating Contact: 0.38μm (15μ") Gold (Au)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-87833-1020	87833-1020	A	10	12.65	8.00	1.30	1.15	.75
538-87833-1220	87833-1220	A	12	14.65	10.00	1.60	1.44	1.28
538-87833-1420	87833-1420	A	14	16.65	12.00	1.35	1.20	.80
538-87833-1620	87833-1620	A	16	18.65	14.00	2.00	1.75	1.50
538-87833-2020	87833-2020	A	20	22.65	18.00	2.36	2.07	1.77
538-87833-2420	87833-2420	A	24	26.65	22.00	4.20	3.50	2.80
538-87833-3020	87833-3020	A	30	32.65	28.00	2.76	2.54	2.21
538-87833-4020	87833-4020	A	40	42.65	38.00	7.23	6.03	4.82

2.00MM (.079") SHROUDED VERTICAL SURFACE MOUNT HEADERS

- Fully shrouded to protect pins during mating/unmating
- Center polarization slot (8 to 12 Circuits)
- Center polarization slot and front windows (14 to 50 Circuits)
- Current: 2.0A • Voltage: 125V
- Housing: PA Polymide (Nylon) 4/6, Glass-filled UL 94V-0
- Plating Contact: 0.38μm (15μ") Gold (Au)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-87832-0420	87832-0420	B	4	6.65	2.00	1.08	.95	.81
538-87832-0620	87832-0620	B	6	8.65	4.00	3.12	2.73	2.34
538-87832-0820	87832-0820	B	8	10.65	6.00	1.05	.88	.81
538-87832-1020	87832-1020	B	10	12.65	8.00	1.02	.85	.79
538-87832-1220	87832-1220	B	12	14.65	10.00	3.88	3.40	2.91
538-87832-1420	87832-1420	B	14	16.65	12.00	2.19	1.35	1.09
538-87832-1620	87832-1620	B	16	18.65	14.00	1.23	1.13	.98
538-87832-1820	87832-1820	B	18	20.65	16.00	4.08	3.40	2.72
538-87832-2020	87832-2020	B	20	22.65	18.00	3.96	3.30	2.64
538-87832-2220	87832-2220	B	22	24.65	20.00	4.63	3.86	3.09
538-87832-2420	87832-2420	B	24	26.65	22.00	3.32	2.91	2.49
538-87832-3020	87832-3020	B	30	32.65	28.00	1.86	1.71	1.49
538-87832-4020	87832-4020	B	40	42.65	38.00	3.72	3.10	2.48
538-87832-4420	87832-4420	B	44	46.65	42.00	2.73	2.51	2.19
538-87832-5020	87832-5020	B	50	52.65	48.00	4.88	4.39	3.81

2.00MM (.079") SHROUDED VERTICAL SURFACE MOUNT HEADERS

- Plastic locating pegs version for accurate placement on PCB
- Optional voided pin version for polarization to the mating part available
- Current: 2.0A • Voltage: 125V
- Housing: PA Polymide (Nylon), High Temperature UL 94V-0
- Plating Contact: 0.38μm (15μ") Selective Gold (Au)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-87759-0850	87759-0850	C	8	7.90	6.00	.86	.78	.71
538-87759-1050	87759-1050	C	10	9.90	8.00	.56	.50	.47
538-87759-1250	87759-1250	C	12	11.90	10.00	2.52	2.21	1.89
538-87759-1450	87759-1450	C	14	13.90	12.00	1.20	1.08	.96
538-87759-1650	87759-1650	C	16	15.90	14.00	2.96	2.59	2.22
538-87759-1850	87759-1850	C	18	17.90	16.00	3.16	2.77	2.37
538-87759-2050	87759-2050	C	20	19.90	18.00	2.36	2.07	1.77
538-87759-2250	87759-2250	C	22	21.90	20.00	3.68	3.22	2.76
538-87759-2450	87759-2450	C	24	23.90	22.00	3.84	3.36	2.88
538-87759-2650	87759-2650	C	26	25.90	24.00	3.27	2.73	2.18
538-87759-2850	87759-2850	C	28	27.90	26.00	3.51	2.93	2.34
538-87759-3050	87759-3050	C	30	29.90	28.00	3.57	2.98	2.38

2.00MM (.079") SIDE ENTRY RECEPTACLE

- Surface Mount Compatible
- Center polarization slot (8 to 12 Circuits)
- Housing: Black high-temperature nylon UL 94V-0
- Center polarization slot and front windows (14 to 50 Circuits)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-87264-0852	87264-0852	D	8	8.20	6.00	2.92	2.56	2.19
538-87264-1052	87264-1052	D	10	10.20	8.00	2.33	2.21	2.10
538-87264-1452	87264-1452	D	14	14.20	12.00	3.04	2.70	1.81
538-87264-1852	87264-1852	D	18	18.20	16.00	3.24	2.70	2.16
538-87264-2052	87264-2052	D	20	20.20	18.00	3.45	2.88	2.30
538-87264-2252	87264-2252	D	22	22.20	20.00	3.66	3.05	2.44
538-87264-2452	87264-2452	D	24	24.20	22.00	3.87	3.23	2.58
538-87264-2652	87264-2652	D	26	26.20	24.00	3.72	3.10	2.48
538-87264-2852	87264-2852	D	28	28.20	26.00	4.53	3.78	3.02
538-87264-3052	87264-3052	D	30	30.20	28.00	4.74	3.95	3.16
538-87264-3252	87264-3252	D	32	32.20	30.00	4.95	4.13	3.30
538-87264-3452	87264-3452	D	34	34.20	32.00	5.16	4.30	3.44
538-87264-3652	87264-3652	D	36	36.20	34.00	5.37	4.48	3.58
538-87264-3852	87264-3852	D	38	38.20	36.00	5.58	4.65	3.72
538-87264-4052	87264-4052	D	40	40.20	38.00	5.79	4.83	3.86
538-87264-4252	87264-4252	D	42	42.20	40.00	6.00	5.00	4.00
538-87264-4452	87264-4452	D	44	44.20	42.00	6.21	5.18	4.14
538-87264-4652	87264-4652	D	46	46.20	44.00	6.42	5.35	4.28
538-87264-4852	87264-4852	D	48	48.20	46.00	6.63	5.53	4.42
538-87264-5052	87264-5052	D	50	50.20	48.00	5.05	4.54	4.09

2.0MM (.079") SIDE ENTRY SMT RECEPTACLE

- Polarization peg standard
- Plating Contact: Phosphor Bronze (CuSn)
- Current: 1.0A
- Voltage: 125V

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-87368-1024	87368-1024	E	10	10.20	8.00	3.72	3.10	2.48
538-87368-1224	87368-1224	E	12	12.20	10.00	4.44	3.70	2.96
538-87368-1424	87368-1424	E	14	14.20	12.00	4.68	3.90	3.12
538-87368-1624	87368-1624	E	16	16.20	14.00	4.89	4.08	3.26
538-87368-1824	87368-1824	E	18	18.20	16.00	5.19	4.33	3.46
538-87368-2024	87368-2024	E	20	20.20	18.00	5.31	4.43	3.54
538-87368-2224	87368-2224	E	22	22.20	20.00	5.40	4.50	3.60
538-87368-2424	87368-2424	E	24	24.20	22.00	5.88	4.90	3.92
538-87368-2624	87368-2624	E	26	26.20	24.00	6.15	5.13	4.10
538-87368-2824	87368-2824	E	28	28.20	26.00	6.27	5.23	4.18
538-87368-3024	87368-3024	E	30	30.20	28.00	6.60	5.50	4.40
538-87368-3224	87368-3224	E	32	32.20	30.00	6.90	5.75	4.60
538-87368-3424	87368-3424	E	34	34.20	32.00	7.53	6.28	5.02
538-87368-3624	87368-3624	E	36	36.20	34.00	8.16	6.80	5.44
538-87368-3824	87368-3824	E	38	38.20	36.00	8.79	7.33	5.86
538-87368-4024	87368-4024	E	40	40.20	38.00	8.79	7.33	5.86
538-87368-4224	87368-4224	E	42	42.20	40.00	9.42	7.85	6.28
538-87368-4424	87368-4424	E	44	44.20	42.00	7.40	6.68	6.12
538-87368-4624	87368-4624	E	46	46.20	44.00	11.28	9.40	7.52
538-87368-4824	87368-4824	E	48	48.20	46.00	11.76	9.80	7.84
538-87368-5024	87368-5024	E	50	50.20	48.00	12.24	10.20	8.16

2.00MM (.079") TOP/BOTTOM ENTRY SMT RECEPTACLE

- Locating peg version standard
- Very low profile height of 2.15mm
- End-to-end stackable
- Plating Contact: Phosphor Bronze (CuSn)
- Current: 1.0A
- Voltage: 125V
- Housing: LCP Liquid Crystal Polymer, Glass-filled UL 94V-0

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-87340-0424	87340-0424	F	4	4.00	2.00	1.36	1.19	1.02
538-87340-0624	87340-0624	F	6	6.00	4.00	1.92	1.68	1.44
538-87340-0824	87340-0824	F	8	8.00	6.00	2.64	2.31	1.98
538-87340-1024	87340-1024	F	10	10.00	8.00	3.20	2.80	2.40
538-87340-1224	87340-1224	F	12	12.00	10.00	2.11	1.93	1.77
538-87340-1424	87340-1424	F	14	14.00	12.00	3.87	3.23	2.58
538-87340-1624	87340-1624	F	16	16.00	14.00	4.32	3.60	2.88
538-87340-1824	87340-1824	F	18	18.00	16.00	4.71	3.93	3.14
538-87340-2024	87340-2024	F	20	20.00	18.00	5.01	4.18	3.20

MOLEX Single and Dual Row Micro-Fit 3.0™ Connectors

CRIMP HOUSINGS-SINGLE ROW

- Positive latching to mating headers or plugs
- Fully isolated contacts
- Integral pull tabs for ease in unmating
- 3.00mm (0.118") Pitch
- Receptacle mates with 43640 series and 43650 series
- Wire to Wire
- RoHS Compliant per Molex documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

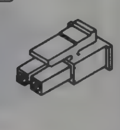
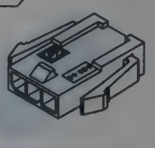
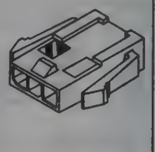
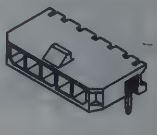
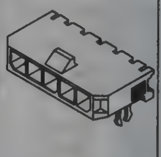
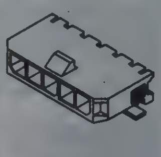
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each		
				1	10	100
Receptacles						
538-43645-0200	43645-0200	A	2	.24	.21	.19
538-43645-0300	43645-0300	A	3	.25	.22	.21
538-43645-0400	43645-0400	A	4	.27	.24	.23
538-43645-0500	43645-0500	A	5	.30	.27	.25
538-43645-0600	43645-0600	A	6	.35	.30	.27
Plugs-Free Hanging						
538-43640-0201	43640-0201	B	2	.24	.21	.19
538-43640-0301	43640-0301	B	3	.25	.22	.21
538-43640-0401	43640-0401	B	4	.37	.34	.31
538-43640-0501	43640-0501	B	5	.50	.45	.43
538-43640-0601	43640-0601	B	6	.44	.42	.31
Plugs-Panel Mount						
538-43640-0200	43640-0200	C	2	.33	.26	.24
538-43640-0300	43640-0300	C	3	.30	.26	.25
538-43640-0500	43640-0500	C	5	.61	.50	.45
538-43640-0600	43640-0600	C	6	.65	.56	.37

PCB HEADERS - SINGLE ROW

- Snap-in peg locks header to PCB for optimum retention
- Surface Mount Compatible
- Fully polarized to mating receptacle
- Mates with 43645 Series
- Wire to Board
- 3.00mm (0.118") Pitch

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Plating	Price Each		
					1	10	100
Right Angle with Snap-In Plastic Peg							
538-43650-0200	43650-0200	D	2	Tin	.54	.47	.43
538-43650-0300	43650-0300	D	3	Tin	.64	.59	.51
538-43650-0400	43650-0400	D	4	Tin	.98	.90	.82
538-43650-0500	43650-0500	D	5	Tin	1.30	1.04	.94
538-43650-0600	43650-0600	D	6	Tin	1.25	1.00	.90
538-43650-0201	43650-0201	D	2	15μ" Gold	.78	.71	.64
538-43650-0301	43650-0301	D	3	15μ" Gold	1.12	.88	.79
538-43650-0401	43650-0401	D	4	15μ" Gold	1.56	1.41	1.33
Right Angle with PCB Press-fit Retention Clip							
538-43650-0210	43650-0210	E	2	15μ" Gold	3.19	2.84	1.91
538-43650-0310	43650-0310	E	3	15μ" Gold	3.58	3.19	2.15
538-43650-0410	43650-0410	E	4	15μ" Gold	3.96	3.53	2.38
538-43650-0510	43650-0510	E	5	15μ" Gold	4.32	3.85	2.59
538-43650-0610	43650-0610	E	6	15μ" Gold	5.12	4.56	3.07
Right Angle with Solder Tabs							
538-43650-0212	43650-0212	F	2	Tin	1.28	1.19	1.14
538-43650-0413	43650-0413	F	4	15μ" Gold	1.75	1.68	1.59
538-43650-0513	43650-0513	F	5	15μ" Gold	3.11	2.86	2.63
538-43650-0613	43650-0613	F	6	15μ" Gold	4.81	4.29	2.89

A

B

C

D

E

F


CRIMP HOUSINGS-DUAL ROW

- Wire to Wire
- Fully isolated contacts
- Fully polarized
- Voltage: 250V
- Current: 5.0 max.
- Mates with 43020 Series and 43045 Series
- Contact resistance: 10mΩ max.
- Housing: UL94V-0
- Contacts: phosphor bronze
- Plating: tin or 30μ" gold
- 3.00mm (0.118") Pitch
- Receptacle mates w/Series 43020

E29179

LR19980

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each		
				1	10	100
Receptacles						
538-43025-0200	43025-0200	A	2	.26	.23	.21
538-43025-0400	43025-0400	A	4	.30	.27	.24
538-43025-0600	43025-0600	A	6	.36	.32	.29
538-43025-0800	43025-0800	A	8	.42	.37	.33
538-43025-1000	43025-1000	A	10	.48	.43	.39
538-43025-1200	43025-1200	A	12	.57	.51	.46
538-43025-1400	43025-1400	A	14	.81	.74	.67
538-43025-1600	43025-1600	A	16	.67	.56	.48
538-43025-1800	43025-1800	A	18	.91	.82	.68
538-43025-2000	43025-2000	A	20	1.21	1.15	1.07
538-43025-2400	43025-2400	A	24	1.04	.98	.93
Plugs- Panel Mount						
538-43020-0200	43020-0200	B	2	.26	.23	.21
538-43020-0400	43020-0400	B	4	.30	.27	.24
538-43020-0600	43020-0600	B	6	.37	.33	.30
538-43020-0800	43020-0800	B	8	.45	.33	.28
538-43020-1000	43020-1000	B	10	.51	.45	.41
538-43020-1200	43020-1200	B	12	.63	.56	.51
Plugs- Free Hanging						
538-43020-0201	43020-0201	B	2	.27	.23	.21
538-43020-0401	43020-0401	B	4	.37	.35	.32
538-43020-0601	43020-0601	B	6	.40	.30	.25
538-43020-0801	43020-0801	B	8	.51	.47	.44
538-43020-1001	43020-1001	B	10	.65	.58	.45

Terminals

- Use with 43025 series and 43645 series receptacles

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	AWG	Plating	Price Each		
					1	100	500
Sockets							
538-43030-0007	43030-0007	C	20-24	Tin	.15	.09	.07
538-43030-0010	43030-0010	C	26-30	Tin	.15	.13	.11
538-43030-0008	43030-0008	C	20-24	Gold	.22	.19	.16
538-43030-0009	43030-0009	C	20-24	Gold	.16	.12	.11
538-43030-0011	43030-0011	C	26-30	Gold	.16	.14	.12
538-43030-0012	43030-0012	C	26-30	Gold	.15	.13	.11
Pins							
538-43031-0007	43031-0007	D	20-24	Tin	.15	.13	.11
538-43031-0010	43031-0010	D	26-30	Tin	.15	.09	.07
538-43031-0008	43031-0008	D	20-24	Gold	.18	.11	.10
538-43031-0009	43031-0009	D	20-24	Gold	.19	.15	.12
538-43031-0012	43031-0012	D	26-30	Gold	.19	.15	.12

Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-63811-2800	63811-2800	Hand crimp tool	196.28
538-11-03-0043	11-03-0043	Extraction tool	18.00

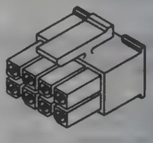
PCB HEADERS-DUAL ROW

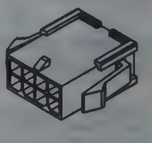
- Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle

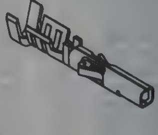
For quantities of 500 and up, call for quote.

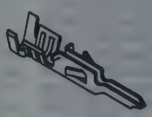
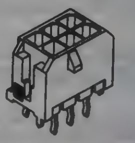
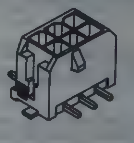
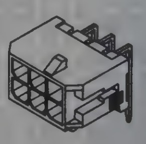
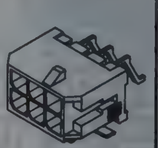
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Plating	Price Each		
					1	10	100
Vertical, Thru-Hole							
538-43045-0212	43045-0212	E	2	Tin	.87	.71	.51
538-43045-0412	43045-0412	E	4	Tin	.54	.51	.43
538-43045-0612	43045-0612	E	6	Tin	.68	.59	.52
538-43045-0812	43045-0812	E	8	Tin	.90	.80	.72
538-43045-1012	43045-1012	E	10	Tin	.98	.94	.76
538-43045-1212	43045-1212	E	12	Tin	1.12	1.07	.85
538-43045-0214	43045-0214	E	2	Gold	.62	.57	.51
538-43045-0414	43045-0414	E	4	Gold	.75	.65	.61
538-43045-0614	43045-0614	E	6	Gold	1.00	.92	.87
538-43045-0814	43045-0814	E	8	Gold	1.37	1.29	1.08
538-43045-1014	43045-1014	E	10	Gold	2.82	2.56	2.31
538-43045-1214	43045-1214	E	12	Gold	1.83	1.72	1.50
Vertical with Solder Tabs							
538-43045-0218	43045-0218	F	2	Tin	1.27	1.21	1.14
538-43045-0418	43045-0418	F	4	Tin	1.57	1.41	1.35
538-43045-0618	43045-0618	F	6	Tin	1.64	1.56	1.49
538-43045-0818	43045-0818	F	8	Tin	2.19	1.98	1.85
538-43045-1018	43045-1018	F	10	Tin	2.13	1.97	1.83
538-43045-0220	43045-0220	F	2	Gold	1.64	1.56	1.49
538-43045-0420	43045-0420	F	4	Gold	2.44	2.20	2.08
538-43045-0620	43045-0620	F	6	Gold	2.64	2.43	2.25
538-43045-1020	43045-1020	F	10	Gold	2.71	2.58	2.46
Right Angle with Snap-In Plastic Peg							
538-43045-0200	43045-0200	G	2	Tin	.51	.45	.39
538-43045-0400	43045-0400	G	4	Tin	.68	.64	.53
538-43045-0600	43045-0600	G	6	Tin	1.04	.95	.84
538-43045-0800	43045-0800	G	8	Tin	1.04	.97	.89
538-43045-1000	43045-1000	G	10	Tin	1.20	1.15	.93
538-43045-1200	43045-1200	G	12	Tin	1.38	1.32	1.06
538-43045-1400	43045-1400	G	14	Tin	1.65	1.53	1.34
538-43045-1600	43045-1600	G	16	Tin	1.89	1.76	1.45
538-43045-2000	43045-2000	G	20	Tin	2.28	1.92	1.83
538-43045-0202	43045-0202	G	2	Gold	.81	.77	.65
538-43045-0402	43045-0402	G	4	Gold	.94	.85	.77
538-43045-0602	43045-0602	G	6	Gold	1.32	1.23	1.05
538-43045-0802	43045-0802	G	8	Gold	1.35	1.29	1.18
538-43045-1002	43045-1002	G	10	Gold	1.87	1.74	1.40
538-43045-1202	43045-1202	G	12	Gold	2.27	2.19	1.78
538-43045-1402	43045-1402	G	14	Gold	2.86	2.65	2.10
538-43045-2202	43045-2202	G	22	Gold	3.75	3.18	3.02
538-43045-2402	43045-2402	G	24	Gold	3.92	3.36	3.21
Right Angle with Solder Tabs							
538-43045-0209	43045-0209	H	2	Tin	1.31	1.24	1.19
538-43045-0409	43045-0409	H	4	Tin	1.45	1.34	1.28
538-43045-0609	43045-0609	H	6	Tin	2.40	2.16	1.98
538-43045-0211	43045-0211	H	2	Gold	1.73	1.64	1.57
538-43045-0411	43045-0411	H	4	Gold	1.94	1.86	1.71
538-43045-0811	43045-0811	H	8	Gold	3.22	2.90	2.74

A

RoHS Compliant

B

RoHS Compliant

C

RoHS Compliant

D

RoHS Compliant

E

F

G

H


MOLEX MICRO-FIT 3.0™ BMI Connectors

molex
one company › a world of innovation

Products may be RoHS compliant.
Check mouser.com for RoHS status.

Specifications:
- Electrical: 250V
- Current: 5.0A
- Housing: UL94V-0
- Contact: Phosphor Bronze

Features:
- Innovative panel mounting design holds connectors firmly in place
- Fully isolated contacts prevent terminal damage
- Fully polarized to prevent mismating

VERTICAL RECEPTACLE HEADER WITH FRICTION PEGS

Tin Plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-44769-0401	44769-0401	A	4	12.00	3.00	**2.60**	**2.31**	**1.54**
538-44769-0601	44769-0601	A	6	15.00	6.00	**3.30**	**2.93**	**1.95**
538-44769-0801	44769-0801	A	8	18.00	9.00	**4.00**	**3.56**	**2.37**
538-44769-1001	44769-1001	A	10	21.00	12.00	**4.70**	**4.17**	**2.78**
538-44769-1201	44769-1201	A	12	24.00	15.00	**5.43**	**4.79**	**3.19**
538-44769-1401	44769-1401	A	14	27.00	18.00	**6.00**	**5.42**	**3.62**
538-44769-1601	44769-1601	A	16	30.00	21.00	**6.80**	**6.00**	**4.03**

Gold Plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	A	B	1	10	100
538-44769-0402	44769-0402	A	4	12.00	3.00	**3.27**	**2.88**	**1.92**
538-44769-0602	44769-0602	A	6	15.00	6.00	**4.15**	**3.66**	**2.44**
538-44769-0802	44769-0802	A	8	18.00	9.00	**5.03**	**4.44**	**2.96**
538-44769-1002	44769-1002	A	10	21.00	12.00	**5.92**	**5.22**	**3.48**
538-44769-1202	44769-1202	A	12	24.00	15.00	**6.78**	**5.98**	**3.98**
538-44769-1402	44769-1402	A	14	27.00	18.00	**7.67**	**6.76**	**4.51**
538-44769-1602	44769-1602	A	16	30.00	21.00	**8.53**	**7.52**	**5.01**

RIGHT-ANGLE RECEPTACLE HEADER WITH FRICTION PEGS

RoHS Compliant

Tin Plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-44764-0401	44764-0401	B	4	6.70	3.00	**3.14**	**2.77**	**1.84**
538-44764-0601	44764-0601	B	6	9.70	6.00	**3.32**	**3.15**	**2.09**
538-44764-0801	44764-0801	B	8	12.70	9.00	**4.86**	**4.28**	**2.85**
538-44764-1001	44764-1001	B	10	15.70	12.00	**5.70**	**5.02**	**3.35**
538-44764-1201	44764-1201	B	12	18.70	15.00	**6.54**	**5.77**	**3.84**
538-44764-1401	44764-1401	B	14	21.70	18.00	**7.39**	**6.52**	**4.34**
538-44764-1601	44764-1601	B	16	24.70	21.00	**8.99**	**7.92**	**5.29**

Gold Plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	A	B	1	10	100
538-44764-0402	44764-0402	B	4	6.70	3.00	**3.92**	**3.45**	**2.30**
538-44764-0602	44764-0602	B	6	9.70	6.00	**4.97**	**4.38**	**2.92**
538-44764-0802	44764-0802	B	8	12.70	9.00	**6.07**	**5.35**	**3.57**
538-44764-1002	44764-1002	B	10	15.70	12.00	**7.11**	**6.27**	**4.18**
538-44764-1202	44764-1202	B	12	18.70	15.00	**8.18**	**7.22**	**4.81**
538-44764-1402	44764-1402	B	14	21.70	18.00	**9.22**	**8.13**	**5.42**
538-44764-1602	44764-1602	B	16	24.70	21.00	**10.29**	**9.08**	**6.05**

VERTICAL HEADER WITH POLARIZING PEGS

- RoHS Compliant per Molex documentation

RoHS Compliant

Tin Plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-44432-0401	44432-0401	C	4	13.00	3.00	**1.88**	**1.66**	**1.10**
538-44432-0601	44432-0601	C	6	16.00	6.00	**2.39**	**2.10**	**1.40**
538-44432-0801	44432-0801	C	8	19.00	9.00	**2.90**	**2.55**	**1.70**
538-44432-1001	44432-1001	C	10	22.00	12.00	**3.40**	**3.00**	**2.00**
538-44432-1201	44432-1201	C	12	25.00	15.00	**3.89**	**3.43**	**2.28**
538-44432-1401	44432-1401	C	14	28.00	18.00	**4.41**	**3.89**	**2.59**
538-44432-1601	44432-1601	C	16	31.00	21.00	**4.91**	**4.33**	**2.88**

Gold Plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	A	B	1	10	100
538-44432-0402	44432-0402	C	4	13.00	3.00	**2.34**	**2.06**	**1.37**
538-44432-0602	44432-0602	C	6	16.00	6.00	**2.97**	**2.62**	**1.74**
538-44432-0802	44432-0802	C	8	19.00	9.00	**3.61**	**3.18**	**2.12**
538-44432-1002	44432-1002	C	10	22.00	12.00	**4.24**	**3.74**	**2.49**
538-44432-1202	44432-1202	C	12	25.00	15.00	**4.85**	**4.28**	**2.85**
538-44432-1402	44432-1402	C	14	28.00	18.00	**5.50**	**4.85**	**3.23**
538-44432-1602	44432-1602	C	16	31.00	21.00	**5.10**	**4.74**	**3.20**

RIGHT-ANGLE HEADER WITH SNAP-IN PLASTIC PEG

Tin Plated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm		Price Each		
				A	B	1	10	100
538-44428-0401	44428-0401	D	4	13.00	3.00	**2.27**	**1.99**	**1.33**
538-44428-0601	44428-0601	D	6	16.00	6.00	**2.86**	**2.52**	**1.68**
538-44428-0801	44428-0801	D	8	19.00	9.00	**3.49**	**3.08**	**2.05**
538-44428-1001	44428-1001	D	10	22.00	12.00	**3.55**	**3.19**	**2.14**
538-44428-1201	44428-1201	D	12	25.00	15.00	**4.70**	**4.14**	**2.76**
538-44428-1401	44428-1401	D	14	28.00	18.00	**5.31**	**4.68**	**3.12**
538-44428-1601	44428-1601	D	16	31.00	21.00	**5.33**	**4.70**	**3.10**

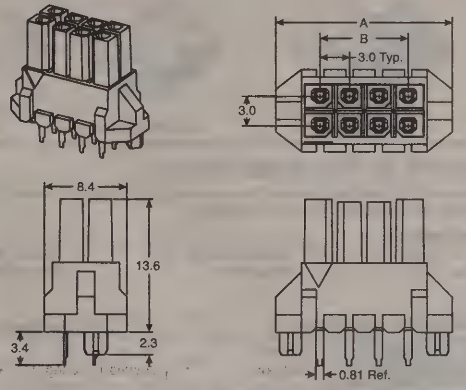
Gold Plated

For quantities of 500 and up, call for quote.

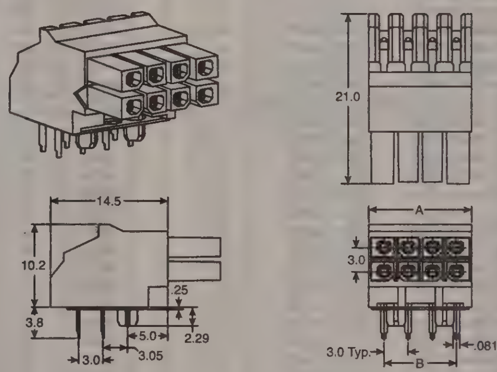
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	A	B	1	10	100
538-44428-0402	44428-0402	D	4	13.00	3.00	**2.83**	**2.49**	**1.66**
538-44428-0602	44428-0602	D	6	16.00	6.00	**3.57**	**3.15**	**2.10**
538-44428-0802	44428-0802	D	8	19.00	9.00	**4.36**	**3.84**	**2.56**
538-44428-1002	44428-1002	D	10	22.00	12.00	**5.10**	**4.50**	**2.99**
538-44428-1202	44428-1202	D	12	25.00	15.00	**5.86**	**5.16**	**3.44**
538-44428-1402	44428-1402	D	14	28.00	18.00	**6.62**	**5.83**	**3.89**
538-44428-1602	44428-1602	D	16	31.00	21.00	**5.17**	**4.65**	**4.18**

DIMENSIONS: mm

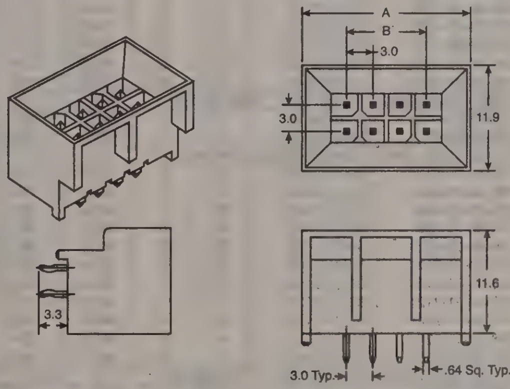
A



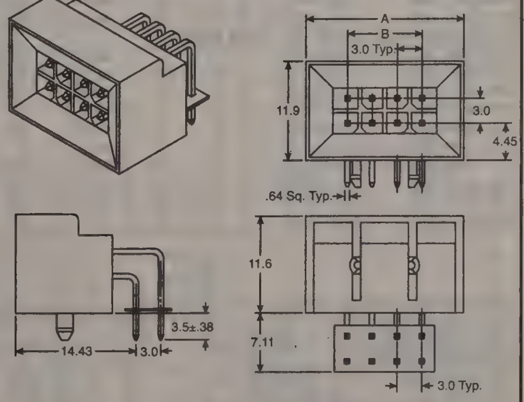
B



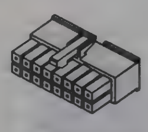
C

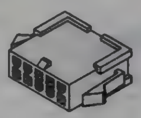


D



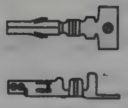
MOLEX Mini-Fit Jr.™ Connectors

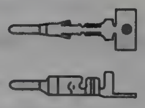
A

Dual Row Illustrated

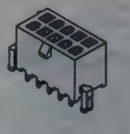
B

Dual Row Illustrated

C

Single Row Illustrated

D


E


F

Dual Row Illustrated

MINI-FIT JR.™ CONNECTORS

Wire-to-wire and wire-to-board versions. The mated length of the wire-to-wire version is less than 1 3/8" while the wire-to-board version is less than 15/16". Despite it's small size it can handle the I/O currents of most standard equipment. They are high density, high current power connectors.

Specifications:
- Pitch: 4.2mm (.165")
- Current: up to 9A
- Contact resistance: 10mΩ
- Voltage: 600V
- Housing: 6/6 nylon
- Temperature: -40°C to +105°C

Features:
- Positive housing locks
- Fully isolated terminals
- Intermateable with Mini-Fit BMI, SMC, CPI
- Contacts sold separately

Receptacles and Plugs

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	UL Rating	Price Each		
					1	10	100
Receptacles, Single Row 5557 Series							
538-39-01-4030	39-01-4030	A	3	94V-2	.46	.37	.27
538-39-01-4031	39-01-4031	A	3	94V-0	.50	.41	.31
538-39-01-4040	39-01-4040	A	4	94V-2	.54	.44	.31
538-39-01-4041	39-01-4041	A	4	94V-0	.59	.48	.33
538-39-01-4050	39-01-4050	A	5	94V-2	.57	.47	.33
538-39-01-4051	39-01-4051	A	5	94V-0	.63	.55	.39
Receptacles, Dual Row 5557d Series							
538-39-01-2020	39-01-2020	A	2	94V-2	.40	.35	.23
538-39-01-2025	39-01-2025	A	2	94V-0	.75	.54	.40
538-39-01-2040	39-01-2040	A	4	94V-2	.44	.38	.25
538-39-01-2045	39-01-2045	A	4	94V-0	.63	.47	.32
538-39-01-2060	39-01-2060	A	6	94V-2	.53	.46	.30
538-39-01-2065	39-01-2065	A	6	94V-0	.99	.73	.55
538-39-01-2080	39-01-2080	A	8	94V-2	.58	.47	.34
538-39-01-2085	39-01-2085	A	8	94V-0	1.05	.84	.63
538-39-01-2100	39-01-2100	A	10	94V-2	.68	.59	.39
538-39-01-2105	39-01-2105	A	10	94V-0	1.35	.88	.66
538-39-01-2120	39-01-2120	A	12	94V-2	.75	.66	.44
538-39-01-2125	39-01-2125	A	12	94V-0	1.30	.91	.69
538-39-01-2140	39-01-2140	A	14	94V-2	.90	.79	.52
538-39-01-2145	39-01-2145	A	14	94V-0	1.38	1.02	.79
538-39-01-2160	39-01-2160	A	16	94V-2	.91	.80	.53
538-39-01-2165	39-01-2165	A	16	94V-0	1.70	1.28	.98
538-39-01-2180	39-01-2180	A	18	94V-2	1.03	.91	.61
538-39-01-2185	39-01-2185	A	18	94V-0	1.72	1.52	1.02
538-39-01-2200	39-01-2200	A	20	94V-2	1.12	.93	.66
538-39-01-2205	39-01-2205	A	20	94V-0	1.84	1.53	1.08
538-39-01-2240	39-01-2240	A	24	94V-2	1.24	1.09	.73
538-39-01-2245	39-01-2245	A	24	94V-0	1.90	1.58	1.12
Plugs - Panel Mount, Single Row 5559s Series							
538-39-01-4032	39-01-4032	B	3	94V-2	.50	.44	.29
538-39-01-4052	39-01-4052	B	5	94V-2	.56	.45	.32
Plugs - Panel Mount, Dual Row 5559d Series							
538-39-01-2021	39-01-2021	B	2	94V-2	.47	.42	.27
538-39-01-2026	39-01-2026	B	2	94V-0	.76	.69	.44
538-39-01-2041	39-01-2041	B	4	94V-2	.50	.46	.30
538-39-01-2061	39-01-2061	B	6	94V-2	.55	.47	.31
538-39-01-2081	39-01-2081	B	8	94V-2	.59	.50	.35
538-39-01-2101	39-01-2101	B	10	94V-2	.69	.62	.41
538-39-01-2106	39-01-2106	B	10	94V-0	.79	.70	.59
538-39-01-2121	39-01-2121	B	12	94V-2	.72	.65	.43
538-39-01-2126	39-01-2126	B	12	94V-0	.89	.79	.70
538-39-01-2141	39-01-2141	B	14	94V-2	.79	.55	.42
538-39-01-2161	39-01-2161	B	16	94V-2	.80	.64	.55
Plugs - Free Hanging, Single Row 5559s Series							
538-39-01-4036	39-01-4036	C	3	94V-2	.50	.42	.29
538-39-01-4037	39-01-4037	C	3	94V-0	.53	.47	.32
538-39-01-4056	39-01-4056	C	5	94V-2	.57	.49	.35
Plugs - Free Hanging, Dual Row 5559d Series							
538-39-01-3023	39-01-3023	C	2	94V-2	.32	.24	.18
538-39-01-3029	39-01-3029	C	2	94V-0	.70	.35	.30
538-39-01-3043	39-01-3043	C	4	94V-2	.42	.26	.18
538-39-01-3049	39-01-3049	C	4	94V-0	.75	.50	.38
538-39-01-3063	39-01-3063	C	6	94V-2	.69	.42	.24
538-39-01-3069	39-01-3069	C	6	94V-0	.74	.49	.45
538-39-01-3083	39-01-3083	C	8	94V-2	.70	.55	.35
538-39-01-3089	39-01-3089	C	8	94V-0	.45	.39	.36
538-39-01-3103	39-01-3103	C	10	94V-2	.72	.60	.48
538-39-01-3163	39-01-3163	C	16	94V-2	.98	.94	.66

Strain Reliefs - 41995 Series

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	No. of Circuits	Price Each		
			1	10	100
538-15-04-0296	15-04-0296	6	1.11	1.05	1.00
538-15-04-0343	15-04-0343	8	1.38	1.29	1.16

Contacts

Plating:
- a - Tin over Copper
- b - Tin over Brass
- c - Gold over Brass
- d - Gold over Phosphor Bronze
- e - Tin over Phosphor Bronze

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Style	Plating	Wire Size	Price Each		
						1	100	500
Standard 44476/44478 Series Crimp Terminals								
538-44476-3112	44476-3112	D	Female	a	16	.17	.15	.13
538-44476-1112	44476-1112	D	Female	a	18-20	.17	.15	.13
538-44478-3112	44478-3112	E	Male	a	16	.20	.18	.16
538-44478-1112	44478-1112	E	Male	a	18-20	.20	.18	.16
Standard 5556/5558 Series Crimp Terminals								
538-39-00-0078	39-00-0078	D	Socket	b	16	.17	.15	.13
538-39-00-0090	39-00-0090	D	Socket	c	16	.46	.38	.32
538-39-00-0168	39-00-0168	D	Socket	c	16	.46	.38	.32
538-39-00-0186	39-00-0186	D	Socket	d	16	.54	.48	.41
538-39-00-0080	39-00-0080	D	Socket	e	16	.18	.16	.14
538-39-00-0039	39-00-0039	D	Socket	b	18-24	.09	.08	.07
538-39-00-0164	39-00-0164	D	Socket	c	18-24	.46	.38	.32
538-39-00-0182	39-00-0182	D	Socket	d	18-24	.54	.46	.41
538-39-00-0060	39-00-0060	D	Socket	e	18-24	.18	.16	.14
538-39-00-0047	39-00-0047	D	Socket	b	22-28	.09	.08	.07
538-39-00-0086	39-00-0086	D	Socket	c	22-28	.46	.38	.32
538-39-00-0184	39-00-0184	D	Socket	d	22-28	.49	.45	.39
538-39-00-0082	39-00-0082	E	Pin	b	16	.18	.16	.14
538-39-00-0041	39-00-0041	E	Pin	b	18-24	.10	.09	.08
538-39-00-0054	39-00-0054	E	Pin	c	18-24	.46	.38	.32
538-39-00-0220	39-00-0220	E	Pin	d	18-24	.52	.47	.41
538-39-00-0049	39-00-0049	E	Pin	b	22-28	.10	.08	.07
538-39-00-0088	39-00-0088	E	Pin	c	22-28	.46	.38	.32
538-39-00-0222	39-00-0222	E	Pin	d	24-28	.49	.46	.41

PCB Headers

- Contact Included

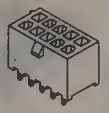
RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	UL Rating	Contact Plating	Price Each		
						1	10	100
Vertical, Single Row with Pegs 5566 Series								
538-39-30-1039	39-30-1039	F	3	94V-2	Tin	1.00	.82	.59
538-39-30-2031	39-30-2031	F	3	94V-2	Gold	3.28	2.46	1.64
538-39-30-2050	39-30-2050	F	5	94V-0	Tin	1.22	.91	.76
Vertical, Single Row with Pegs and Drain Holes 5566 Series								
538-39-30-2035	39-30-2035	F	3	94V-2	Tin	.98	.95	.56
538-39-30-2045	39-30-2045	F	4	94V-2	Tin	1.17	1.10	.93
538-39-30-2047	39-30-2047	F	4	94V-2	Gold	1.76	1.35	1.13
538-39-30-2056	39-30-2056	F	5	94V-0	Tin	1.61	1.52	1.03
538-39-30-2058	39-30-2058	F	5	94V-0	Gold	1.98	1.91	1.67
Vertical, Dual Row with Pegs 5566 Series								
538-39-29-9025	39-29-9025	F	2	94V-2	Gold	1.86	1.40	.93
538-39-29-9043	39-29-9043	F	4	94V-2	Tin	.75	.64	.57
538-39-29-9047	89-29-9047	F	4	94V-0	Tin	.65	.62	.53
538-39-29-9163	39-29-9163	F	16	94V-2	Tin	1.45	1.39	1.24
538-39-29-9243	39-29-9243	F	24	94V-2	Tin	2.81	2.39	2.25
Vertical, Dual Row with Pegs and Drain Holes 5566 Series								
538-39-29-9042	39-29-9042	F	4	94V-2	Tin	.65	.58	.51
538-39-29-9046	39-29-9046	F	4	94V-0	Tin	.86	.64	.54
538-39-28-9048	39-28-9048	F	4	94V-0	Gold	3.68	2.56	1.87
538-39-29-9062	39-29-9062	F	6	94V-2	Tin	.83	.74	.65
538-39-29-9066	39-29-9066	F	6	94V-0	Tin	.84	.80	.70
538-39-28-9068	39-28-9068	F	6	94V-0	Gold	2.05	1.94	1.68
538-39-29-9086	39-29-9086	F	8	94V-0	Tin	1.11	1.02	.89
538-39-28-9088	39-28-9088	F	8	94V-0	Gold	5.05	3.36	2.52
538-39-29-9102	39-29-9102	F	10	94V-2	Tin	.83	.76	.68
538-39-29-9146	39-29-9146	F	14	94V-0	Tin	2.49	2.38	2.07
538-39-29-9162	39-29-9162	F	16	94V-2	Tin	1.68	1.55	1.39
538-39-29-9202	39-29-9202	F	20	94V-2	Tin	2.57	1.93	1.29
538-39-29-9206	39-29-9206	F	20	94V-0	Tin	1.67	1.58	1.39
538-39-29-9242	39-29-9242	F	24	94V-2	Tin	2.18	2.11	1.84
538-39-29-9246	39-29-9246	F	24	94V-0	Tin	2.62	2.56	2.18

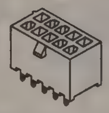
MOLEX Mini-Fit Jr.™ and Mini-Fit CPI™ Connectors

A



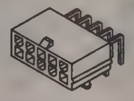
Dual Row Illustrated

B



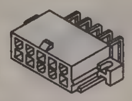
Dual Row Illustrated

C



Dual Row Illustrated

D



Dual Row Illustrated

MINI-FIT JR.™ CONNECTORS

Wire-to-wire and wire-to-board versions. The mated length of the wire-to-wire version is less than 1 3/8" while the wire-to-board version is less than 15/16". Despite it's small size it can handle the I/O currents of most standard equipment. They are high density, high current power connectors.

Specifications:
- Pitch: 4.2mm (.165")
- Current: up to 9A
- Contact resistance: 10mΩ
- Voltage: 600V
- Housing: 6/6 nylon
- Temperature: -40°C to +105°C

Features:
- Positive housing locks
- Fully isolated terminals
- Intermateable with Mini-Fit BMI, SMC, CPI
- Contacts sold separately

PCB Headers (cont.)

- Contact Included

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	UL Rating	Contact Plating	Price Each		
						1	10	100
Vertical, Dual Row without Pegs, with Drain Holes 5566 Series								
538-39-31-0028	39-31-0028	A	2	94V-0	Gold	.79	.72	.65
538-39-31-0040	39-31-0040	A	4	94V-0	Tin	.74	.63	.54
538-39-31-0048	39-31-0048	A	4	94V-0	Gold	1.46	1.39	1.28
538-39-29-3066	39-29-3066	A	6	94V-2	Tin	.71	.67	.59
538-39-31-0060	39-31-0060	A	6	94V-0	Tin	.83	.81	.62
538-39-29-3106	39-29-3106	A	10	94V-2	Tin	1.16	1.09	.94
538-39-31-0108	39-31-0108	A	10	94V-0	Gold	2.89	2.81	2.70
538-39-29-3166	39-29-3166	A	16	94V-2	Tin	3.10	2.82	1.85
538-39-29-3206	39-29-3206	A	20	94V-2	Tin	1.86	1.77	1.54
Vertical, Dual Row without Pegs or Drain Holes 5566 Series								
538-39-28-1023	39-28-1023	B	2	94V-2	Tin	.77	.72	.45
538-39-28-8020	39-28-8020	B	2	94V-0	Tin	.58	.49	.42
538-39-29-0023	39-29-0023	B	2	94V-2	Gold	.95	.73	.62
538-39-28-1043	39-28-1043	B	4	94V-2	Tin	.99	.85	.58
538-39-28-8040	39-28-8040	B	4	94V-0	Tin	1.18	.99	.69
538-39-29-0043	39-29-0043	B	4	94V-2	Gold	2.74	2.27	1.13
538-39-28-1063	39-28-1063	B	6	94V-2	Tin	1.34	1.11	.79
538-39-28-8060	39-28-8060	B	6	94V-0	Tin	1.69	1.48	.99
538-39-29-0063	39-29-0063	B	6	94V-2	Gold	1.89	1.68	1.49
538-39-28-1083	39-28-1083	B	8	94V-2	Tin	1.52	1.27	.91
538-39-28-8080	39-28-8080	B	8	94V-0	Tin	2.13	1.33	.90
538-39-28-1103	39-28-1103	B	10	94V-2	Tin	1.78	1.55	1.01
538-39-28-8100	39-28-8100	B	10	94V-0	Tin	2.72	1.64	1.11
538-39-29-0103	39-29-0103	B	10	94V-2	Gold	2.98	2.73	2.41
538-39-28-1123	39-28-1123	B	12	94V-2	Tin	1.90	1.61	1.13
538-39-28-8120	39-28-8120	B	12	94V-0	Tin	2.10	1.84	1.36
538-39-28-1143	39-28-1143	B	14	94V-2	Tin	2.40	2.14	1.50
538-39-28-1163	39-28-1163	B	16	94V-2	Tin	2.66	2.37	1.66
538-39-28-1183	39-28-1183	B	18	94V-2	Tin	3.40	3.02	2.02
538-39-28-1203	39-28-1203	B	20	94V-2	Tin	3.75	3.10	2.20
538-39-28-8200	39-28-8200	B	20	94V-0	Tin	4.69	2.83	1.91
538-39-28-1243	39-28-1243	B	24	94V-2	Tin	4.05	3.33	2.37
Right Angle, Single Row with Pegs 5569 Series								
538-39-30-3035	39-30-3035	C	3	94V-2	Tin	1.20	1.06	.70
538-39-30-3036	39-30-3036	C	3	94V-0	Tin	1.05	.96	.88
538-39-30-3038	39-30-3038	C	3	94V-0	Gold	1.44	1.37	1.18
538-39-30-3045	39-30-3045	C	4	94V-2	Tin	1.07	1.01	.57
538-39-30-3047	39-30-3047	C	4	94V-2	Gold	1.51	1.44	.93
538-39-30-3055	39-30-3055	C	5	94V-2	Tin	1.62	1.42	.95
538-39-30-3056	39-30-3056	C	5	94V-0	Tin	2.56	1.92	1.28
538-39-30-3058	39-30-3058	C	5	94V-2	Gold	2.31	2.10	1.38
Right Angle, Dual Row with Pegs 5569 Series								
538-39-30-1020	39-30-1020	C	2	94V-2	Tin	.68	.65	.63
538-39-30-0020	39-30-0020	C	2	94V-0	Tin	.73	.55	.38

PCB Headers (cont.)

- Contact Included

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	UL Rating	Contact Plating	Price Each		
						1	10	100
Right Angle, Dual Row with Pegs 5569 Series (Cont.)								
538-39-30-1040	39-30-1040	C	4	94V-2	Tin	.70	.53	.35
538-39-30-0040	39-30-0040	C	4	94V-0	Tin	.91	.72	.55
538-39-30-1060	39-30-1060	C	6	94V-2	Tin	.88	.66	.44
538-39-30-0060	39-30-0060	C	6	94V-0	Tin	1.14	.85	.59
538-39-30-1080	39-30-1080	C	8	94V-2	Tin	1.04	.78	.52
538-39-30-0080	39-30-0080	C	8	94V-0	Tin	1.34	1.00	.87
538-39-30-1082	39-30-1082	C	8	94V-2	Gold	2.13	2.04	1.79
538-39-30-1100	39-30-1100	C	10	94V-2	Tin	1.28	.96	.64
538-39-30-0100	39-30-0100	C	10	94V-0	Tin	1.67	1.26	1.03
538-39-30-1120	39-30-1120	C	12	94V-2	Tin	1.57	1.22	.83
538-39-30-0120	39-30-0120	C	12	94V-0	Tin	1.58	1.44	1.30
538-39-30-1121	39-30-1121	C	12	94V-0	Gold	3.18	2.47	2.15
538-39-30-1140	39-30-1140	C	14	94V-2	Tin	1.70	1.33	1.15
538-39-30-1142	39-30-1142	C	14	94V-0	Gold	5.21	4.05	3.44
538-39-30-1160	39-30-1160	C	16	94V-2	Tin	1.98	1.49	1.26
538-39-30-0160	39-30-0160	C	16	94V-0	Tin	2.89	2.26	1.86
538-39-30-1162	39-30-1162	C	16	94V-0	Gold	6.04	4.53	3.78
538-39-30-1180	39-30-1180	C	18	94V-2	Tin	1.76	1.46	1.17
538-39-30-1200	39-30-1200	C	20	94V-2	Tin	1.88	1.60	1.41
538-39-30-0200	39-30-0200	C	20	94V-0	Tin	3.29	3.08	2.65
538-39-30-1240	39-30-1240	C	24	94V-2	Tin	2.77	2.52	2.36
Right Angle, Dual Row with Flanges 5569 Series								
538-39-29-1028	39-29-1028	D	2	94V-2	Tin	.58	.46	.38
538-39-29-1027	39-29-1027	D	2	94V-0	Tin	.81	.60	.49
538-39-29-1048	39-29-1048	D	4	94V-2	Tin	.74	.59	.40
538-39-29-1047	39-29-1047	D	4	94V-0	Tin	1.00	.89	.80
538-39-29-1068	39-29-1068	D	6	94V-2	Tin	.96	.75	.59
538-39-29-1088	39-29-1088	D	8	94V-2	Tin	1.17	.88	.74
538-39-29-1108	39-29-1108	D	10	94V-2	Tin	1.49	1.11	.90
538-39-29-1128	39-29-1128	D	12	94V-2	Tin	1.68	1.24	1.10
538-39-29-1148	39-29-1148	D	14	94V-2	Tin	1.53	1.44	1.25
538-39-29-1168	39-29-1168	D	16	94V-2	Tin	2.27	2.04	1.83
538-39-29-1208	39-29-1208	D	20	94V-2	Tin	2.58	2.42	2.10

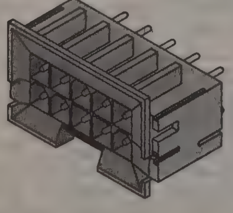
Tools

MOUSER STOCK NO.	Molex Part No.	Description	Wire Size AWG	Price Each
538-11-01-0199	11-01-0199	Hand Crimp Tool	16	197.00
538-63811-5000	63811-5000	Hand Crimp Tool	18-24	230.00
538-63811-5100	63811-5100	Hand Crimp Tool	22-28	218.00
538-11-03-0044	11-03-0044	Extraction Tool	- - -	17.00

MINI-FIT CPI™ COMPLIANT PIN INTERFACE HEADERS

Specifications:
- Pitch: 4.2mm (.165")
- Current: up to 8.0A max.
- Contact Resistance: 10mΩ max.
- Voltage: 600V
- Housing: 4/6 Nylon
- Temperature: -40°C to +105°C

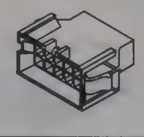
Features:
- Press-fit pin requiring no soldering
- Blind mating vertical header
- Designed for multiple board thicknesses of .094" and greater
- Mates with 42385, 42474 and 5557 Series Receptacles

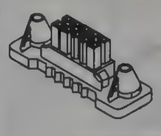


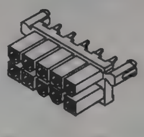
For quantities of 500 and up, call for quote.

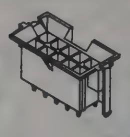
MOUSER STOCK NO.	Molex Part No.	No. of Circuits	UL Rating	Contact Plating	Price Each		
					1	10	100
43879 Series							
538-43879-0022	43879-0022	4	94V-0	Tin	3.44	3.32	2.58
538-43879-0033	43879-0033	4	94V-0	Gold	7.94	6.97	6.64
538-43879-0023	43879-0023	6	94V-0	Tin	4.23	4.16	3.29
538-43879-0025	43879-0025	10	94V-0	Tin	4.75	4.24	4.04
538-43879-0036	43879-0036	10	94V-0	Gold	13.90	13.24	11.50
538-43879-0027	43879-0027	14	94V-0	Tin	9.54	7.92	6.28
538-43879-0029	43879-0029	18	94V-0	Tin	7.91	7.12	6.33
538-43879-0040	43879-0040	18	94V-0	Gold	18.03	16.48	15.70
538-43879-0032	43879-0032	24	94V-0	Tin	12.10	10.89	9.84
538-43879-0043	43879-0043	24	94V-0	Gold	32.08	29.23	27.84

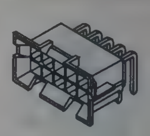
MOLEX Mini-Fit BMI™ and Mini-Fit Sr.™ Connectors

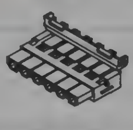
A


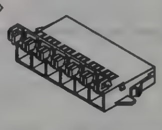
B


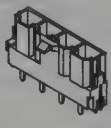
C


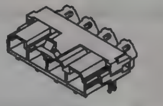
D


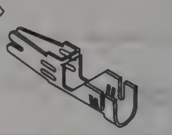
E


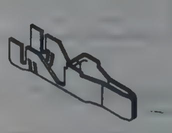
F


G


H


I


J


K


MINI-FIT BMI™ (BLIND MATING SYSTEM) CONNECTORS 4.20MM (.165") PITCH

Features:

- Fully isolated terminals to protect contacts from damage
- Uses standard Mini-Fit series terminals
- Dual Row

Specifications:

- Housing: 6/6 Nylon
- 600V rating
- Temperature: -40 to +105°C

RoHS Compliant

Plating: a) Tin, select gold b) Post-plated Tin over nickel

Plugs - Dual Row

- RoHS Compliant per Molex documentation

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Plating	Contact	Price Each			
						1	10	100	500
With Panel Mount Ears, UL94V-2, 42475 Series									
538-15-06-0045	15-06-0045	A	4	a	Brass	.34	.31	.29	.28
538-15-06-0065	15-06-0065	A	6	a	Brass	.36	.33	.30	.27
538-15-06-0085	15-06-0085	A	8	a	Brass	.46	.41	.37	.32
538-15-06-0105	15-06-0105	A	10	a	Brass	.46	.42	.38	.35
538-15-06-0145	15-06-0145	A	14	a	Brass	.66	.60	.54	.50
538-15-06-0185	15-06-0185	A	18	a	Brass	1.32	1.11	.89	.80
538-15-06-0245	15-06-0245	A	24	a	Brass	1.15	1.04	.93	.82

Receptacles - Dual Row

- RoHS Compliant per Molex documentation

RoHS Compliant

With Panel Mount Ears, UL94V-2, 42474 Series									
538-15-06-0040	15-06-0040	B	4	a	Brass	.40	.37	.33	.31
538-15-06-0060	15-06-0060	B	6	a	Brass	.42	.39	.35	.32
538-15-06-0080	15-06-0080	B	8	a	Brass	.75	.67	.57	.48
538-15-06-0100	15-06-0100	B	10	a	Brass	.70	.64	.57	.53
538-15-06-0140	15-06-0140	B	14	a	Brass	.95	.87	.78	.73
538-15-06-0180	15-06-0180	B	18	a	Brass	1.32	1.18	.95	.76
538-15-06-0240	15-06-0240	B	24	a	Brass	1.56	1.40	1.26	.95
538-43760-0001	43760-0001	B	36	a	Brass	3.76	3.49	3.01	2.43
With Panel Mount Ears, UL94V-0, 42474 Series									
538-15-06-0041	15-06-0041	B	4	a	Brass	.70	.63	.56	.45
538-15-06-0061	15-06-0061	B	6	a	Brass	.85	.76	.68	.53
538-15-06-0101	15-06-0101	B	10	a	Brass	.95	.82	.69	.55
538-15-06-0141	15-06-0141	B	14	a	Brass	1.34	1.18	1.06	.80
538-15-06-0181	15-06-0181	B	18	a	Brass	1.67	1.41	1.26	.98
538-15-06-0241	15-06-0241	B	24	a	Brass	2.18	1.96	1.69	1.52

Terminals

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	AWG	Price Each			
				1	10	100	500
538-39-00-0096	39-00-0096	---	16	.35	.32	.29	.27
538-39-00-0062	39-00-0062	---	18-24	.19	.16	.14	.12

PCB HEADERS

RoHS Compliant

Plating: a) Tin, select gold b) Post-plated Tin over nickel

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Plating	Contact	Price Each			
						1	10	100	500
Receptacle Headers, Vertical, UL94V-2, 42385 Series									
538-15-24-7040	15-24-7040	C	4	b	Brass	1.94	1.71	1.14	.91
538-15-24-7060	15-24-7060	C	6	b	Brass	2.13	1.85	1.48	1.17
538-15-24-7100	15-24-7100	C	10	b	Brass	2.97	2.43	1.76	1.41
538-15-24-7140	15-24-7140	C	14	b	Brass	3.28	2.83	1.61	1.33
538-15-24-7180	15-24-7180	C	18	b	Brass	3.42	3.07	2.62	1.99
538-15-24-7240	15-24-7240	C	24	b	Brass	3.35	3.11	2.35	2.11
Receptacle Headers, Vertical, UL94V-0, 42385 Series									
538-15-24-7061	15-24-7061	C	6	b	Brass	1.51	1.35	1.20	.93
538-15-24-7101	15-24-7101	C	10	b	Brass	1.88	1.79	1.59	1.32
538-15-24-7141	15-24-7141	C	14	b	Brass	2.33	2.19	1.75	1.66
538-15-24-7241	15-24-7241	C	24	b	Brass	4.20	3.85	2.79	2.61
Vertical Headers, with Drainholes, UL94V-2, 42440 Series									
538-15-24-6046	15-24-6046	D	4	a	Brass	1.68	1.62	1.55	1.48
538-15-24-6066	15-24-6066	D	6	a	Brass	2.34	2.24	2.06	1.10
538-15-24-6106	15-24-6106	D	10	a	Brass	2.66	2.55	1.65	1.32
Vertical Headers, with Drainholes, UL94V-0, 42440 Series									
538-15-24-6107	15-24-6107	D	10	a	Brass	2.11	1.90	1.71	1.54
538-15-24-6147	15-24-6147	D	14	a	Brass	2.52	2.39	2.09	1.73

PCB HEADERS (CONT.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Plating	Contact	Price Each			
						1	10	100	500
Right Angle Headers, UL94V-2, 42404 Series									
538-15-24-6040	15-24-6040	E	4	a	Brass	1.17	1.05	.94	.82
538-15-24-6060	15-24-6060	E	6	a	Brass	1.51	1.36	1.22	1.02
538-15-24-6140	15-24-6140	E	14	a	Brass	1.97	1.32	1.18	1.05
538-15-24-6180	15-24-6180	E	18	a	Brass	4.09	3.96	3.45	2.52
538-15-24-6240	15-24-6240	E	24	a	Brass	3.06	2.95	2.58	2.08
Right Angle Headers, UL94V-0, 42404 Series									
538-15-24-9064	15-24-9064	E	6	a	Brass	1.75	1.58	1.45	1.20
538-15-24-9104	15-24-9104	E	10	a	Brass	1.65	1.49	1.38	1.24
538-15-24-9144	15-24-9144	E	14	a	Brass	2.44	2.09	1.88	1.69
538-15-24-9244	15-24-9244	E	24	a	Brass	4.11	3.85	3.30	2.78

MINI-FIT, SR.™ CONNECTORS - 10.00MM (.393") PITCH

Features:

- High Current
- Fully polarized
- Positive Locks
- Low engagement force
- Wire-to-wire, wire-to-board
- Single Row

Specifications:

- Plating: Tin over Nickel
- Contact: Copper Alloy
- Receptacles/Plugs: Polyester, UL94V-0
- Headers: Glass-filled, 4/6 Nylon, UL94V-0
- Voltage: 600V
- Temperature: -40 to +105°

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
Receptacles, 42816 Series							
538-42816-0212	42816-0212	F	2	.87	.80	.71	.66
538-42816-0312	42816-0312	F	3	.97	.89	.80	.75
538-42816-0412	42816-0412	F	4	1.09	.99	.90	.83
538-42816-0512	42816-0512	F	5	1.19	1.09	.98	.91
538-42816-0612	42816-0612	F	6	1.28	1.16	1.07	.95
Plugs, 42818 Series							
538-42818-0212	42818-0212	G	2	.93	.85	.77	.71
538-42818-0312	42818-0312	G	3	1.04	.95	.86	.80
538-42818-0412	42818-0412	G	4	1.08	.99	.89	.83
538-42818-0512	42818-0512	G	5	1.59	1.43	1.28	1.15
538-42818-0612	42818-0612	G	6	1.76	1.58	1.34	1.08
Vertical Header with Metal Clip Mount, SMT, 42819 Series							
538-42819-2212	42819-2212	H	2	1.99	1.81	1.64	1.58
538-42819-3212	42819-3212	H	3	2.58	2.35	2.12	1.97
538-42819-4212	42819-4212	H	4	3.26	2.97	2.68	2.49
538-42819-5212	42819-5212	H	5	3.78	3.45	2.77	2.59
538-42819-6212	42819-6212	H	6	5.81	5.23	4.54	3.82
Right Angle Header with Metal Clip Mount, SMT, 42820 Series							
538-42820-2212	42820-2212	I	2	2.69	2.45	2.21	2.05
538-42820-3212	42820-3212	I	3	3.65	3.47	2.98	2.25
538-42820-4212	42820-4212	I	4	4.36	3.98	3.59	3.33
538-42820-5212	42820-5212	I	5	7.80	7.11	6.42	5.96
538-42820-6212	42820-6212	I	6	7.57	7.11	6.24	4.98

MINI-FIT, SR.™ TERMINALS

- High Current
- Low Engagement Force
- Female: four points of electrical contact

RoHS Compliant

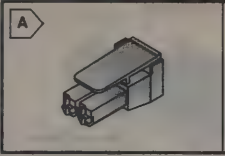
For quantities of 2000 and up, call for quote.

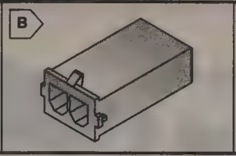
MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size AWG	Price Each			
				1	100	500	1000
Female, 42815 Series							
538-42815-0011	42815-0011	J	10, 12	.39	.33	.30	.27
538-42815-0031	42815-0031	J	8, 12+12	.48	.37	.30	.27
538-42815-0041	42815-0041	J	14, 16	.64	.49	.41	.33
Male, 42817 Series							
538-42817-0011	42817-0011	K	10, 12	.39	.35	.30	.27
538-42817-0031	42817-0031	K	8, 12+12	.39	.35	.30	.27
538-42817-0041	42817-0041	K	14, 16	.49	.36	.32	.30

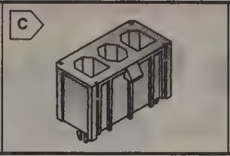
TOOLS FOR MINI-FIT, SR.™

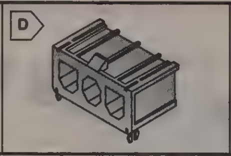
MOUSER STOCK NO.	Molex Part No.	Description	Price Each
538-63811-1500	63811-1500	Hand Crimp Tool 8 AWG	369.00
538-63811-1600	63811-1600	Hand Crimp Tool 10-12 AWG	369.00
538-63813-0400	63813-0400	Extraction Tool	72.00
538-63811-3800	63811-3800	Hand Crimp Tool	406.59

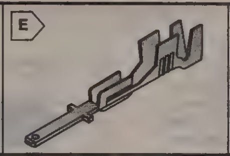
MOLEX 7.50mm Sabre™ and 5.08mm Disk Drive Connectors

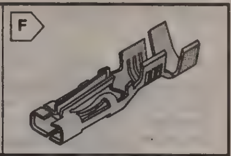

A


B


C


D


E


F

7.50MM PITCH SABRE™ CONNECTORS-SINGLE ROW

The Sabre™ system is a robust power connector supplying up to 18 amperes for high current applications. Designed and patented by Molex engineers, Sabre™ standardizes manufacturing footprints by offering both wire-to-wire and wire-to-board configurations. The terminal is designed with a Terminal Position Assurance (TPA) feature that virtually eliminates terminal backout. Activation of the TPA feature is optional. The positive locking latch on the receptacle housing prevents accidental disconnection.

Receptacles

- Polarized housing assures proper mating
- Terminals are fully isolated in housing
- Housing: Nylon, UL94V-0
- Mates with: 43160 series header and 43680 series plug
- RoHS Compliant per Molex documentation
- Temperature:-40˚ to +75˚C
- Voltage: 1000V
- Current: 18.0A

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Price Each			
				1	10	100	500
538-44441-2002	44441-2002	A	2	.93	.82	.54	.43
538-44441-2003	44441-2003	A	3	1.08	.95	.63	.51
538-44441-2004	44441-2004	A	4	1.23	1.09	.72	.58
538-44441-2005	44441-2005	A	5	1.44	1.27	.84	.67
538-44441-2006	44441-2006	A	6	1.63	1.43	.95	.76

Plugs

- Wire-to-Wire
- Anti-tangle latch protects harness wires
- Polarized housing assures proper mating
- Terminals are fully isolated in housing
- RoHS Compliant per Molex documentation
- Housing: Nylon, UL94V-0
- Mates with: 44441 series receptacle
- Temperature:-40˚ to +75˚C
- Voltage: 1000V • Current: 18.0A

RoHS Compliant

For quantities of 1000 and up, call for quote.

538-43680-2002	43680-2002	B	2	.93	.81	.54	.43
538-43680-2003	43680-2003	B	3	1.08	.95	.63	.51
538-43680-2004	43680-2004	B	4	1.23	1.09	.75	.59
538-43680-2005	43680-2005	B	5	1.44	1.27	.84	.67
538-43680-2006	43680-2006	B	6	1.63	1.43	.95	.76

Vertical Headers

- Wire-to-Board Header
- Accommodates .062 board thickness
- Surface Mount Compatible
- Housing: Black glass-filled nylon, UL94V-0
- Positive Lock • Fully Polarized
- Contact: Brass
- RoHS Compliant per Molex documentation
- Plating: Tin
- PCB Thickness: 3.81mm
- Mates with: 44441 series housing
- Temperature:-40˚ to +75˚C
- Voltage: 1000V
- Current: 18.0A

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	100	500
538-43160-0102	43160-0102	C	2	without board lock	1.71	1.40	1.00	.80
538-43160-0103	43160-0103	C	3	without board lock	2.35	1.93	1.38	1.10
538-43160-0104	43160-0104	C	4	without board lock	2.46	2.02	1.44	1.15
538-43160-0105	43160-0105	C	5	without board lock	2.98	2.71	1.90	1.49
538-43160-0106	43160-0106	C	6	without board lock	3.22	2.64	1.89	1.51
538-43160-2102	43160-2102	C	2	with board lock	1.90	1.65	1.15	.93
538-43160-2103	43160-2103	C	3	with board lock	2.29	1.88	1.34	1.07
538-43160-2104	43160-2104	C	4	with board lock	2.77	2.28	1.63	1.30
538-43160-2105	43160-2105	C	5	with board lock	3.18	2.61	1.86	1.49
538-43160-2106	43160-2106	C	6	with board lock	3.56	2.93	2.09	1.72

Right Angle Headers

- Wire-to-wire or wire-to-board connector system
- Accommodates .062 board thickness
- Surface Mount Compatible
- Housing: Black glass-filled nylon, UL94V-0
- Contact: Brass
- Plating: Tin
- PCB Thickness: 3.81mm
- Mates with: 44441 series housing
- RoHS Compliant per Molex documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Description	Price Each			
					1	10	100	500
538-43160-1102	43160-1102	D	2	without board lock	2.00	1.76	1.17	.93
538-43160-1103	43160-1103	D	3	without board lock	2.43	2.14	1.42	1.14
538-43160-1104	43160-1104	D	4	without board lock	2.85	2.51	1.74	1.41
538-43160-1105	43160-1105	D	5	without board lock	3.29	2.90	1.93	1.54
538-43160-1106	43160-1106	D	6	without board lock	2.81	2.48	2.18	1.87
538-43160-3102	43160-3102	D	2	with board lock	2.27	2.00	1.33	1.06
538-43160-3103	43160-3103	D	3	with board lock	2.72	2.44	1.70	1.48
538-43160-3104	43160-3104	D	4	with board lock	3.18	2.81	1.87	1.49
538-43160-3105	43160-3105	D	5	with board lock	2.71	2.44	2.19	1.97
538-43160-3106	43160-3106	D	6	with board lock	4.08	3.59	2.39	1.91

Terminals

- Virtually eliminates terminal backout
- No secondary plastic parts needed
- Four points of electrical contact
- Accommodates single or double wire crimps
- Contact: Brass
- 43375: female • 43178: male
- Voltage: 1000V • Current: 18.0A max.
- Plating: Tin
- Female terminal mates with: 43160 series headers, 43680 series plug housing and 43178 series terminals
- Male terminal mates with: 43375 series terminal and 44441 series receptacle housing
- RoHS Compliant per Molex documentation

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Max. Ins. Dia. Inch (mm)	Price Each			
					1	10	100	500
538-43178-1002	43178-1002	E	18	(.130) 3.30	.18	.16	.12	.11
*538-43178-2002	43178-2002	E	14-18	(.180) 4.57	.18	.16	.12	.11
538-43375-0001	43375-0001	F	14-18	(.130) 3.30	.15	.13	.09	.08
*538-43375-1001	43375-1001	F	14-18	(.180) 4.57	.15	.13	.09	.08

*Accommodates single 14, 16 or 18 AWG wire crimps, or double 18 AWG wire crimps

Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Wire Size (AWG)	Style	Description	Price Each	
					1	5
538-63811-0400	63811-0400	14-18	Female	Crimp Tool	326.18	302.88
538-63811-0600	63811-0600	18	Male	Crimp Tool	314.52	302.87
538-63813-0500	63813-0500	--	Female	Extraction Tool	26.70	24.80
538-63813-0800	63813-0800	--	Male	Extraction Tool	76.53	73.69

5.08MM (.200") PITCH DISK DRIVE POWER CONNECTION SYSTEMS

Female Crimp Housing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Positions	Price Each		
				1	10	100
538-15-24-4048	15-24-4048	A	4	.57	.51	.46

Female Crimp Terminal

- Plating: Tin
- Contact: Phosphor Bronze
- Detents provide firm and positive fit.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Wire Size (AWG)	Price Each		
			1	10	100
538-02-08-1202	02-08-1202	14, 16, 18, 20	.27	.23	.15

Tools

MOUSER STOCK NO.	Molex Part No.	Description	Price Each	
			1	5
538-11-01-0206	11-01-0206	Hand Crimper	197.00	182.94
538-11-03-0037	11-03-0037	Extraction Tool	61.60	57.20

High Temperature Vertical Headers

*with plastic peg

Features:

- Shrouded
- Antiwicking PC tails
- Surface Mount Compatible
- 4 position without pegs
- PCB
- Through Hole

Specifications:

- Housing: High-temperature Thermoplastic
- Contact: Phosphor Bronze
- Plating: Tin over Nickel
- Temperature: -40° to +85°C
- Color: Black
- Current: 10.0A
- Voltage: 250V
- Rating: UL94V-0

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	PC Tail Length	Price Each		
				1	10	100
538-15-24-4557	15-24-4557	B	2.12 (.083)	1.22	1.07	.83
538-15-24-4745	15-24-4745	B	3.58 (.141)	.84	.77	.71
*538-15-24-4742	15-24-4742	B	2.12 (.083)	.88	.82	.75

Right Angle Header with Strap, Standard Polarization

Features:

- Pre-assembled with metal strap for secure PCB retention
- Mates with IDT Connectors

Specifications:

- Housing: 6/6 Nylon, UL94V-2
- Contact: Phosphor Bronze
- Plating: Tin
- Band: Brass, pre-tinned
- Voltage: 250V
- Current: 5.0A
- Temperature: -40˚ to +80˚C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	PC Tail Length	Price Each		
				1	10	100
538-531-09-0410	53109-0410	C	3.50 (.138)	1.54	1.41	1.27

FEMALE IDT CONNECTORS

Features:

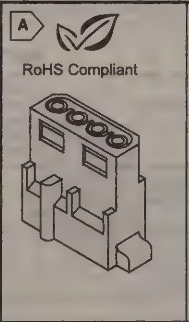
- Wire-to-wire and wire-to-board insulation displacement
- End grips for easy unmating
- Housing detent provides positive retention to mating connector
- Mates with right angle header

Specifications:

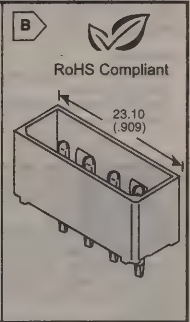
- Housing: Natural thermoplastic, UL94V-2
- Contact: Phosphor Bronze
- Plating: Tin
- Temperature: -40° to +85°C
- Strain reliefs and covers are not available

For quantities of 500 and up, call for quote.

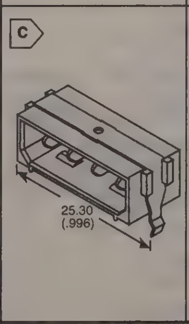
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Pos.	Color Code	Price Each		
					1	10	100
18 AWG stranded, 20 AWG solid and fused							
538-15-24-2000	15-24-2000	D	4	Red	.81	.74	.67
22 AWG solid, fused and stranded							
538-15-24-2002	15-24-2002	D	4	Black	1.10	.98	.89

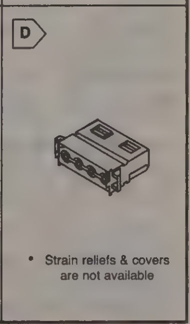

A

RoHS Compliant


B

RoHS Compliant


C


D

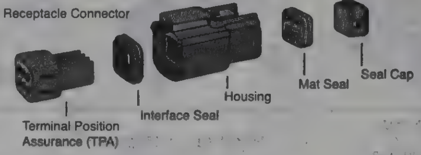
- Strain reliefs & covers are not available

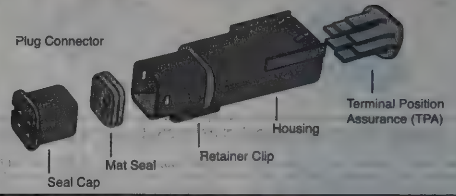
MOLEX MX150L™ Sealed Connector System

molex
one company > a world of innovation

The MX150™ system from Molex is a rugged, environmentally-sealed connector system that supports both low-level signal applications as well as power applications up to 18.0A

* All discrete components shown to the right for both the receptacle and plug housings are pre-assembled. Terminals are simply crimped and poked into the housings. No additional wire seals, wedge locks or CPA locks are required.





5.84MM (.230") PITCH MX150L™ - SINGLE ROW CONNECTORS

Features:
- Environmentally sealed to IP67
- Integrated mat wire seal
- Integrated interface seal (receptacles only)
- Integrated terminal position assurance (TPA)
- Simple crimp and poke application
- Field serviceable contact removal system
- Tactile and audible mating feedback

Specifications:
- 5.84mm (.230") Pitch
- Housing: SPS Glass-filled Crystalline Polymer
- Operating Temperature: -55 to +125°C
- Dielectric Withstanding Voltage: 1500V AC min.
- Insulation Resistance: 1000MΩ

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Type	Wire Size AWG	Dimensions: mm (in.)	Price Each			
						A	1	10	50	100
538-19418-0016	19418-0016	A	2	Receptacle	22-18	22.15 (.872)	2.85	2.56	2.30	2.18
538-19418-0017	19418-0017	A	2	Receptacle	16-14	22.15 (.872)	2.57	2.16	1.81	1.76
538-19419-0008	19419-0008	B	2	Plug	22-18	18.95 (.746)	2.62	2.42	2.03	1.79
538-19419-0007	19419-0007	B	2	Plug	16-14	18.95 (.746)	2.54	2.19	1.75	1.61

5.84MM (.230") PITCH MX150L™ - DUAL ROW CONNECTORS

Receptacles

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Wire Size AWG	Dimensions: mm (in.)	Price Each			
					A	1	10	50	100
538-19418-0018	19418-0018	C	4	22-18	22.15 (.872)	3.45	2.90	2.43	2.36
538-19418-0019	19418-0019	C	4	16-14	22.15 (.872)	3.45	2.90	2.43	2.36
538-19418-0020	19418-0020	C	6	22-18	27.99 (1.102)	5.02	4.22	3.53	3.42
538-19418-0021	19418-0021	C	6	16-14	27.99 (1.102)	5.02	4.22	3.53	3.42
538-19418-0022	19418-0022	C	8	22-18	33.83 (1.332)	5.92	4.98	4.17	4.04
538-19418-0023	19418-0023	C	8	16-14	33.83 (1.332)	5.92	4.98	4.17	4.04
538-19418-0024	19418-0024	C	10	22-18	39.67 (1.562)	7.26	6.11	5.12	4.95
538-19418-0025	19418-0025	C	10	16-14	39.67 (1.562)	7.26	6.11	5.12	4.95
538-19418-0038	19418-0038	C	12	22-18	45.51 (1.792)	8.05	6.80	5.67	5.48
538-19418-0037	19418-0037	C	12	16-14	45.51 (1.792)	8.05	6.80	5.67	5.48
538-19418-0040	19418-0040	C	16	22-18	57.19 (2.252)	10.22	9.20	8.28	7.45
538-19418-0039	19418-0039	C	16	16-14	57.19 (2.252)	9.67	8.89	8.18	7.52

Plugs

For quantities of 500 and up, call for quote.

538-19419-0005	19419-0005	D	4	22-18	18.94 (.746)	3.34	2.81	2.37	2.09
538-19419-0004	19419-0004	D	4	16-14	18.94 (.746)	3.36	2.77	2.32	2.05
538-19419-0012	19419-0012	D	6	22-18	24.78 (.976)	4.96	4.67	3.98	3.55
538-19419-0011	19419-0011	D	6	16-14	24.78 (.976)	4.69	3.95	3.33	2.97
538-19419-0001	19419-0001	D	8	22-18	30.62 (1.206)	5.39	4.86	4.37	3.95
538-19419-0002	19419-0002	D	8	16-14	30.62 (1.206)	5.39	4.86	4.37	3.95
538-19419-0015	19419-0015	D	10	22-18	36.47 (1.436)	6.85	6.23	5.59	4.93
538-19419-0014	19419-0014	D	10	16-14	36.47 (1.436)	6.78	5.69	4.78	4.62
538-19419-0017	19419-0017	D	12	22-18	42.31 (1.666)	8.15	7.34	6.60	6.02
538-19419-0018	19419-0018	D	12	16-14	42.31 (1.666)	8.15	7.34	6.60	6.02
538-19419-0020	19419-0020	D	16	22-18	53.99 (2.126)	8.79	8.14	7.53	7.18
538-19419-0021	19419-0021	D	16	16-14	53.99 (2.126)	8.79	8.14	7.53	7.18

Contacts

Features:
- Mat seal friendly design features center seam and coined edges
- Anti-over stress beam geometry feature
- Low insertion force

Specifications:
- Contact: C19025 Copper Alloy
- Plating: Tin
- Operating Temperature: -55 to +125°C
- Voltage: 600V
- Current: 18.0A
- Durability: 25 cycles for Tin plating

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Type	Wire Size AWG	Price Each			
					1	100	500	1000
538-19420-0010	19420-0010	E	Female	22-18	.18	.17	.16	.15
538-19420-0009	19420-0009	E	Female	16-14	.18	.17	.16	.15
538-19417-0048	19417-0048	F	Male	22-18	.18	.17	.16	.15
538-19417-0047	19417-0047	F	Male	16-14	.18	.17	.16	.15

Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each	
				1	5
538-63813-1500	63813-1500	G	Extraction Tool	18.90	18.20
538-63811-4400	63811-4400	H	Hand Crimp Tool	378.00	351.00
538-64016-0035	64016-0035	- - -	Service Tool (only)	47.05	43.70

MX150L™ CIRCUIT PLUG

With the application of optional circuit plugs, the MX150L™ system supports the ability to implement sealed blank cavities in both plug and receptacle housings. The circuit plugs occupy and fully seal the unused cavity and can be extracted and replaced with a standard male blade or female receptacle terminal. This feature provides the ability to plan for possible future circuit additions while maintaining the sealing integrity of the mated pair.

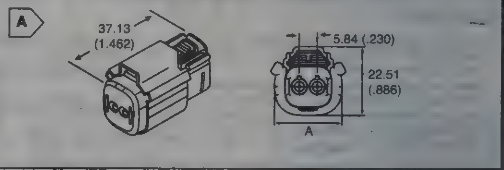
RoHS Compliant

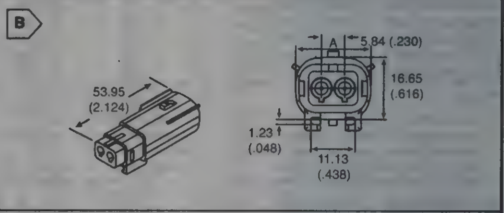
Materials: • SPS Glass-filled Crystalline Polymer

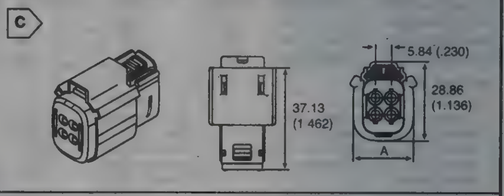
For quantities of 2000 and up, call for quote.

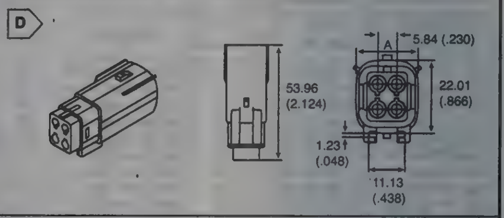
MOUSER STOCK NO.	Molex Part No.	Fig.	Price Each			
			1	100	500	1000
538-19417-0119	19417-0119	I	.30	.24	.20	.18

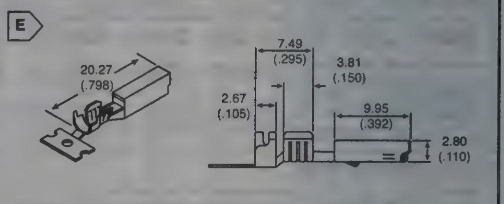
DIMENSIONS: mm (in.)

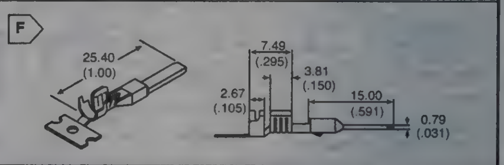


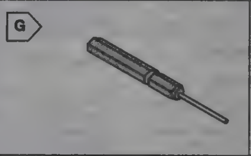


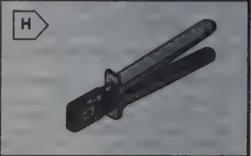


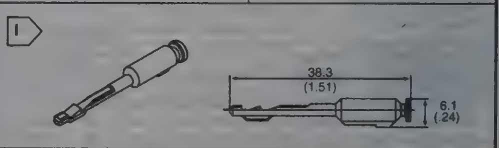




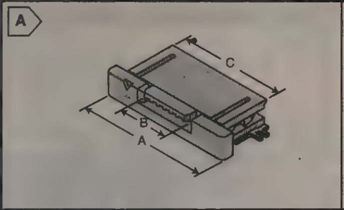


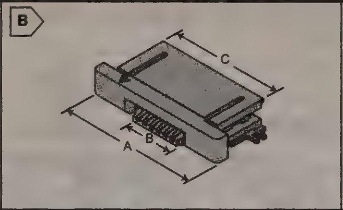


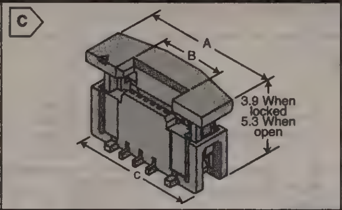


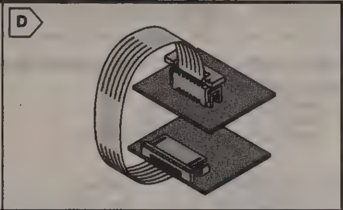


MOLEX FFC / FPC 0.50mm/.020" Connectors









0.50MM (.020") PITCH FFC / FPC CONNECTORS

For 0.30mm (.012") thick FFC/FPC. Metal solder tabs provide PCB hold-down and strain relief for SMT tails. ZIF: Zero Insertion Force

RoHS Compliant

Specifications:

- Voltage: 50V
- Current: 0.5A
- Dielectric Withstanding Voltage: 250V AC/1 min.
- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin
- Solder Tabs: Phosphor Bronze, Tin plating
- Operating Temperature: -20 to +85°C

Right Angle, SMT, ZIF - Top Contact Style

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
538-52745-0696	52745-0696	A	6	.358	.144	.287	.47	.42	.39	.37
538-52745-0896	52745-0896	A	8	.398	.183	.327	.58	.51	.48	.46
538-52745-1096	52745-1096	A	10	.437	.222	.366	.92	.77	.68	.62
538-52745-1296	52745-1296	A	12	.476	.262	.406	.94	.79	.70	.64
538-52745-1496	52745-1496	A	14	.516	.301	.445	.96	.81	.72	.66
538-52745-1696	52745-1696	A	16	.555	.341	.484	1.25	1.14	.98	.85
538-52745-1896	52745-1896	A	18	.594	.380	.524	1.33	1.11	.97	.89
538-52745-2096	52745-2096	A	20	.634	.419	.563	1.35	1.13	.99	.91
538-52435-2272	52435-2272	A	22	.693	.459	.614	1.37	1.15	1.03	.97
538-52435-2472	52435-2472	A	24	.732	.498	.654	1.42	1.19	1.14	1.07
538-52435-2872	52435-2872	A	28	.811	.577	.732	1.50	1.26	1.21	1.16
538-52435-3072	52435-3072	A	30	.850	.616	.772	1.59	1.33	1.29	1.23

Right Angle, SMT, ZIF - Bottom Contact Style

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
538-52746-0870	52746-0870	B	8	.398	.138	.327	.78	.65	.60	.56
538-52746-1070	52746-1070	B	10	.437	.177	.366	.95	.91	.88	.85
538-52746-1470	52746-1470	B	14	.516	.256	.445	1.68	1.40	1.22	1.12
538-52746-1670	52746-1670	B	16	.555	.295	.484	1.70	1.42	1.33	1.27
538-52746-2070	52746-2070	B	20	.634	.374	.563	1.75	1.47	1.29	1.19
538-52437-2272	52437-2272	B	22	.693	.413	.614	2.31	1.94	1.69	1.54
538-52437-2472	52437-2472	B	24	.732	.453	.653	2.34	1.96	1.71	1.66
538-52437-2872	52437-2872	B	28	.811	.531	.732	2.36	1.98	1.73	1.58
538-52437-3072	52437-3072	B	30	.850	.571	.772	2.39	2.01	1.76	1.61

Vertical, SMT, ZIF

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
538-52559-0870	52559-0870	C	8	.382	.138	.350	.92	.77	.68	.62
538-52559-1072	52559-1072	C	10	.421	.177	.390	1.08	.99	.91	.84
538-52559-1870	52559-1870	C	18	.579	.335	.547	1.42	1.25	1.18	1.13
538-52559-2072	52559-2072	C	20	.618	.374	.587	1.45	1.21	1.12	1.05
538-52559-2270	52559-2270	C	22	.657	.413	.625	1.48	1.24	1.09	1.00
538-52559-2472	52559-2472	C	24	.697	.453	.665	1.73	1.45	1.34	1.29
538-52559-2872	52559-2872	C	28	.776	.531	.744	2.39	2.21	2.08	1.99
538-52559-4072	52559-4072	C	40	1.012	.768	.980	2.37	1.98	1.79	1.74

LOW PROFILE FFC CONNECTORS

DIMENSIONS: in.

Specifications:

- Housing: LCP Liquid Crystal Polymer
- Mated Height: 1.20mm (.047")
- Mated Width: 3.40mm (.134")

Features:

- Pre-hold cable feature keeps FPC in place while actuator is being closed
- Sturdy actuator allows for easy cable insertion
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

RoHS Compliant

Right Angle, SMT, ZIF - Top Contact Style

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
538-54550-0694	54550-0694	A	6	.323	.098	.276	.94	.83	.76	.68
538-54550-0794	54550-0794	A	7	.343	.118	.295	1.18	.99	.87	.79
538-54550-0894	54550-0894	A	8	.362	.138	.315	1.21	1.02	.90	.82
538-54550-0994	54550-0994	A	9	.382	.157	.335	1.24	1.05	.93	.85
538-54550-1094	54550-1094	A	10	.402	.177	.354	1.47	1.23	1.08	.98
538-54550-1294	54550-1294	A	12	.441	.217	.394	1.50	1.26	1.11	1.01
538-54550-1494	54550-1494	A	14	.480	.256	.433	1.85	1.55	1.35	1.24
538-54550-1694	54550-1694	A	16	.520	.295	.472	1.99	1.67	1.46	1.33
538-54550-1894	54550-1894	A	18	.559	.335	.412	2.54	2.13	1.86	1.70
538-54550-2094	54550-2094	A	20	.598	.374	.551	2.63	2.22	1.95	1.79
538-54550-2494	54550-2494	A	24	.677	.453	.630	3.24	2.71	2.36	2.16

RoHS Compliant

Right Angle, SMT, ZIF - Bottom Contact Style

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions			Price Each			
				A	B	C	1	10	100	250
538-54548-0570	54548-0570	B	5	.303	.079	.256	.68	.54	.50	.48
538-54548-0670	54548-0670	B	6	.323	.098	.276	1.16	.97	.84	.77
538-54548-0770	54548-0770	B	7	.343	.118	.295	1.30	1.09	.95	.87
538-54548-0970	54548-0970	B	9	.382	.157	.335	1.50	1.26	1.10	1.00
538-54548-1270	54548-1270	B	12	.441	.217	.394	1.79	1.50	1.31	1.20
538-54548-1470	54548-1470	B	14	.480	.256	.433	1.68	1.49	1.35	1.21
538-54548-1670	54548-1670	B	16	.520	.295	.472	2.20	1.84	1.60	1.47
538-54548-2070	54548-2070	B	20	.598	.374	.551	2.51	2.11	1.84	1.68
538-54548-2470	54548-2470	B	24	.677	.453	.630	2.95	2.47	2.15	1.97

PREMO-FLEX™ FLAT FLEX CABLE JUMPERS FOR 0.50MM (.020") CONNECTORS

These jumpers are used to connect 2 PC boards and terminate to either ZIF or Non-ZIF FFC Connectors. Mates with any 0.50mm (.020") Pitch FFC/FPC Connector. They are available with the contacting area on the same side (Type A) or the opposite side (Type D) to mirror signal layout between PC Boards.

Specifications:

- Voltage: 30V
- Current: 0.5A
- Temperature: -40 to +80°C
- Cable Width: (No. of circuits + 1) x 0.50mm
- Exposed conductor length: 4mm with 8mm reinforcement
- Conductor width: 0.30mm (.012").
- Conductor thickness: 0.10mm (.004")
- Contacts on the same side

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Type	Length (In.)	Price Each			
						1	10	100	250
538-21020-0055	21020-0055	D	6	A	3	2.79	2.52	2.26	2.03
538-21020-0061	21020-0061	D	6	A	6	3.97	3.57	3.21	2.89
538-21020-0077	21020-0077	D	8	A	3	3.08	2.83	2.61	2.40
538-21020-0083	21020-0083	D	8	A	6	3.56	2.96	2.61	2.37
538-21020-0097	21020-0097	D	10	A	2	2.36	2.17	1.89	1.70
538-21020-0099	21020-0099	D	10	A	3	2.33	1.83	1.61	1.46
538-21020-0101	21020-0101	D	10	A	4	2.25	1.88	1.50	1.31
538-21020-0105	21020-0105	D	10	A	6	2.47	2.07	1.82	1.65
538-21020-0109	21020-0109	D	10	A	8	2.24	2.06	1.89	1.74
538-21020-0119	21020-0119	D	12	A	2	2.50	2.08	1.67	1.46
538-21020-0121	21020-0121	D	12	A	3	2.52	2.27	2.04	1.85
538-21020-0127	21020-0127	D	12	A	6	2.60	2.17	1.91	1.74
538-21020-0143	21020-0143	D	14	A	3	2.61	2.34	2.11	1.91
538-21020-0149	21020-0149	D	14	A	6	2.60	2.39	2.18	2.02
538-21020-0165	21020-0165	D	16	A	3	3.15	2.82	2.59	2.38
538-21020-0171	21020-0171	D	16	A	6	2.78	2.32	2.04	1.86
538-21020-0187	21020-0187	D	18	A	3	2.89	2.60	2.34	2.10
538-21020-0193	21020-0193	D	18	A	6	3.91	3.52	3.17	2.85
538-21020-0209	21020-0209	D	20	A	3	2.91	2.62	2.36	2.12
538-21020-0211	21020-0211	D	20	A	4	2.66	2.44	2.13	1.91
538-21020-0212	21020-0212	D	20	D	4	2.76	2.30	1.84	1.61
538-21020-0215	21020-0215	D	20	A	6	3.42	3.08	2.77	2.49

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Type	Length (In.)	Price Each			
						1	10	100	250
538-21020-0217	21020-0217	D	20	A	7	3.57	2.97	2.38	2.08
538-21020-0219	21020-0219	D	20	A	8	4.27	3.92	3.30	2.80
538-21020-0220	21020-0220	D	20	D	8	3.57	2.97	2.38	2.08
538-21020-0231	21020-0231	D	22	A	3	3.34	3.00	2.71	2.43
538-21020-0237	21020-0237	D	22	A	6	3.06	2.55	2.25	2.04
538-21020-0253	21020-0253	D	24	A	3	3.20	2.88	2.59	2.33
538-21020-0255	21020-0255	D	24	A	4	3.51	3.23	2.81	2.53
538-21020-0259	21020-0259	D	24	A	6	4.74	4.26	3.64	3.27
538-21020-0297	21020-0297	D	28	A	3	3.06	2.50	2.20	2.00
538-21020-0303	21020-0303	D	28	A	6	3.98	3.58	3.22	2.90
538-21020-0317	21020-0317	D	30	A	2	3.42	2.85	2.28	2.00
538-21020-0319	21020-0319	D	30	A	3	3.55	2.91	2.56	2.33
538-21020-0321	21020-0321	D	30	A	4	3.69	3.07	2.46	2.15
538-21020-0322	21020-0322	D	30	D	4	4.02	3.62	3.26	2.93
538-21020-0325	21020-0325	D	30	A	6	4.55	4.09	3.68	3.39
538-21020-0329	21020-0329	D	30	A	8	4.99	4.16	3.33	2.91
538-21020-0429	21020-0429	D	40	A	3	3.83	3.44	2.84	2.55
538-21020-0432	21020-0432	D	40	D	4	3.77	3.15	2.52	2.20
538-21020-0435	21020-0435	D	40	A	6	4.42	3.69	3.24	2.95
538-21020-0438	21020-0438	D	40	D	7	5.14	4.29	3.43	3.00
538-21020-0439	21020-0439	D	40	A	8	5.14	4.29	3.43	3.00

MOLEX FFC / FPC 1.00mm Connectors

molex
one company › a world of innovation

1.00MM (.039") PITCH FFC/FPC CONNECTORS

For 0.30mm thick FFC/FPC. Metal solder tabs provide PCB hold-down and strain relief for SMT tails. ZIF: Zero Insertion Force.

Right Angle, SMT, ZIF - Top Contact Style

Specifications:

- Voltage: 125V
- Current: 1.0A
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin
- Solder Tabs: Copper Alloy, Tin plating
- Operating Temperature: -20 to +85°C

RoHS Compliant

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm (In.)		Carrier Tape Width	Price Each			
				A	B		1	10	100	250
538-52207-0885	52207-0885	A	8	14.30 (.562)	7.00 (.275)	24.00 (.945)	.67	.56	.48	.46
538-52207-1085	52207-1085	A	10	16.30 (.641)	9.00 (.354)	24.00 (.945)	.82	.69	.59	.56
538-52207-1285	52207-1285	A	12	18.30 (.720)	11.00 (.433)	32.00 (1.260)	.98	.81	.74	.68
538-52207-1485	52207-1485	A	14	20.30 (.799)	13.00 (.511)	32.00 (1.260)	1.07	.89	.83	.79
538-52207-1885	52207-1885	A	18	24.30 (.956)	17.00 (.669)	44.00 (1.732)	1.34	1.12	.97	.93
538-52207-2085	52207-2085	A	20	26.30 (1.035)	19.00 (.748)	44.00 (1.732)	1.46	1.22	1.14	1.05

Right Angle, SMT, ZIF - Bottom Contact Style

Specifications:

- Voltage: 50V
- Current: 0.5A
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Housing: 4/6 Nylon, UL 94V-0
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze
- Plating: Tin
- Solder Tabs: Copper Alloy, Tin plating
- Operating Temperature: -20 to +85°C

RoHS Compliant

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm (In.)		Carrier Tape Width	Price Each			
				A	B		1	10	100	250
538-52271-0679	52271-0679	B	6	11.00 (.433)	5.00 (.197)	24.00 (.945)	.64	.55	.51	.48
538-52271-0879	52271-0879	B	8	13.00 (.511)	7.00 (.275)	24.00 (.945)	.73	.67	.63	.60
538-52271-1079	52271-1079	B	10	15.00 (.590)	9.00 (.354)	24.00 (.945)	.85	.71	.62	.60
538-52271-1479	52271-1479	B	14	19.00 (.748)	13.00 (.511)	32.00 (1.260)	1.01	.84	.77	.73
538-52271-1879	52271-1879	B	18	23.00 (.905)	17.00 (.669)	44.00 (1.732)	1.16	1.04	.93	.84
538-52271-2079	52271-2079	B	20	25.00 (.984)	19.00 (.748)	44.00 (1.732)	1.22	1.02	.88	.85
538-52271-2279	52271-2279	B	22	27.00 (1.062)	21.00 (.827)	44.00 (1.732)	1.34	1.12	.97	.92
538-52271-2479	52271-2479	B	24	29.00 (1.141)	23.00 (.906)	44.00 (1.732)	1.40	1.17	1.03	.97
538-52271-2879	52271-2879	B	28	33.00 (1.299)	27.00 (1.060)	56.00 (2.205)	2.07	1.73	1.50	1.45
538-52271-3079	52271-3079	B	30	35.00 (1.377)	29.00 (1.140)	56.00 (2.205)	1.59	1.32	1.14	1.11

Vertical, SMT, ZIF

Specifications:

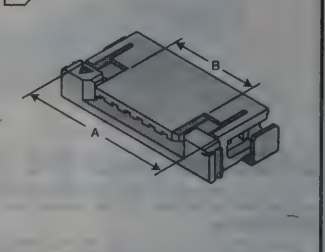
- Voltage: 125V
- Current: 1.0A
- Plating: Tin
- Dielectric Withstanding Voltage: 500V AC/1 min.
- Housing: 4/6 Nylon, UL 94V-0
- Operating Temperature: -20 to +85°C
- Actuator: PPS, UL 94V-0
- Contact: Phosphor Bronze

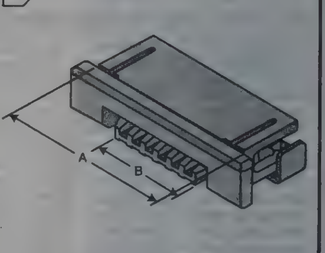
RoHS Compliant

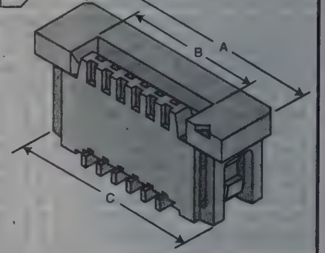
For quantities of 500 or more, call for quote.

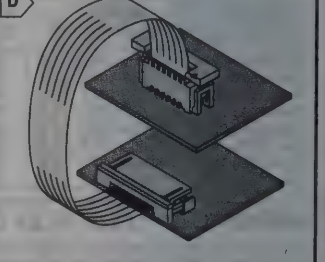
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm (In.)			Carrier Tape Width	Price Each			
				A	B	C		1	10	100	250
538-52610-0671	52610-0671	C	6	12.60 (.496)	5.00 (.197)	10.85 (.427)	24.00 (.945)	1.01	.84	.75	.71
538-52610-0871	52610-0871	C	8	14.60 (.575)	7.00 (.275)	12.85 (.506)	24.00 (.945)	1.19	.99	.86	.81
538-52610-1271	52610-1271	C	12	18.60 (.732)	11.00 (.433)	16.85 (.663)	32.00 (1.260)	1.56	1.30	1.22	1.14
538-52610-1471	52610-1471	C	14	20.60 (.811)	13.00 (.511)	18.85 (.742)	32.00 (1.260)	2.38	1.98	1.72	1.56
538-52610-1671	52610-1671	C	16	22.60 (.890)	15.00 (.591)	20.85 (.821)	44.00 (1.732)	2.50	2.25	2.02	1.82
538-52610-1871	52610-1871	C	18	24.60 (.969)	17.00 (.669)	22.85 (.900)	44.00 (1.732)	2.68	2.24	1.94	1.76
538-52610-2071	52610-2071	C	20	26.60 (1.047)	19.00 (.748)	24.85 (.978)	44.00 (1.732)	2.69	2.25	1.95	1.77
538-52610-3071	52610-3071	C	30	36.60 (1.441)	29.00 (1.140)	34.85 (1.372)	56.00 (2.205)	2.71	2.26	1.96	1.78

DIMENSIONS: mm (IN.)

A


B


C


D


PREMO-FLEX™ FLAT FLEX CABLE JUMPERS FOR 1.00MM (.039") CONNECTORS

These jumpers are used to connect 2 PC boards and terminate to either ZIF or Non-ZIF FFC Connectors. Mates with any 1.00mm (.039") Pitch FFC/FPC Connector. They are available with the contacting area on the same side (Type A) or the opposite side (Type D) to mirror signal layout between PC boards.

Specifications:

- Voltage: 30V
- Current: 1.2A
- Cable width: (No. of circuits + 1) x 1.00mm
- Exposed conductor length: 4mm with 8mm reinforcement
- Temperature: -40 to +80°C
- Conductor width: 0.70mm (.028")
- Conductor thickness: 0.10mm (.004")

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Type	Length (In.)	Price Each			
						1	10	100	250
538-21039-0732	21039-0732	D	5	D	6"	1.36	1.13	.98	.89
538-21039-0205	21039-0205	D	6	A	3"	1.46	1.22	1.06	.96
538-21039-0211	21039-0211	D	6	A	6"	1.41	1.17	1.02	.92
538-21039-0215	21039-0215	D	6	A	8"	1.56	1.30	1.13	1.03
538-21039-0221	21039-0221	D	6	A	12"	2.28	2.05	1.85	1.66
538-21039-0227	21039-0227	D	8	A	3"	1.74	1.45	1.25	1.14
538-21039-0230	21039-0230	D	8	D	4"	1.52	1.26	1.09	.99
538-21039-0233	21039-0233	D	8	A	6"	2.02	1.82	1.64	1.47
538-21039-0238	21039-0238	D	8	D	8"	1.68	1.40	1.21	1.10
538-21039-0243	21039-0243	D	8	A	12"	2.37	2.13	1.92	1.73
538-21039-0247	21039-0247	D	10	A	2"	1.77	1.59	1.43	1.29
538-21039-0249	21039-0249	D	10	A	3"	1.55	1.29	1.12	1.02
538-21039-0252	21039-0252	D	10	D	4"	1.59	1.32	1.14	1.04
538-21039-0255	21039-0255	D	10	A	6"	1.56	1.30	1.12	1.02
538-21039-0257	21039-0257	D	10	A	7"	1.79	1.49	1.29	1.18
538-21039-0263	21039-0263	D	10	A	10"	1.94	1.62	1.40	1.27
538-21039-0265	21039-0265	D	10	A	12"	2.04	1.70	1.47	1.34
538-21039-0271	21039-0271	D	12	A	3"	1.62	1.35	1.17	1.06
538-21039-0277	21039-0277	D	12	A	6"	1.58	1.32	1.14	1.04
538-21039-0287	21039-0287	D	12	A	12"	2.17	1.80	1.56	1.42
538-21039-0293	21039-0293	D	14	A	3"	1.68	1.40	1.21	1.10
538-21039-0294	21039-0294	D	14	D	3"	1.74	1.45	1.25	1.14
538-21039-0297	21039-0297	D	14	A	5"	1.77	1.48	1.28	1.16
538-21039-0299	21039-0299	D	14	A	6"	3.11	2.59	2.24	2.04

For quantities of 500 or more, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Type	Length (In.)	Price Each			
						1	10	100	250
538-21039-0305	21039-0305	D	14	A	9"	2.26	1.88	1.63	1.48
538-21039-0309	21039-0309	D	14	A	12"	2.35	1.96	1.69	1.54
538-21039-0842	21039-0842	D	15	D	6"	2.22	2.01	1.82	1.63
538-21039-0313	21039-0313	D	16	A	2"	2.31	2.08	1.87	1.69
538-21039-0315	21039-0315	D	16	A	3"	1.79	1.51	1.37	1.23
538-21039-0321	21039-0321	D	16	A	6"	1.86	1.55	1.34	1.22
538-21039-0335	21039-0335	D	18	A	2"	1.98	1.77	1.60	1.48
538-21039-0343	21039-0343	D	18	A	6"	1.99	1.66	1.44	1.31
538-21039-0347	21039-0347	D	18	A	8"	2.34	2.10	1.89	1.74
538-21039-0365	21039-0365	D	20	A	6"	2.91	2.62	2.36	2.12
538-21039-0366	21039-0366	D	20	D	6"	2.26	1.88	1.63	1.48
538-21039-0372	21039-0372	D	20	D	9"	2.87	2.39	2.07	1.88
538-21039-0375	21039-0375	D	20	A	12"	2.99	2.49	2.16	1.96
538-21039-0382	21039-0382	D	22	D	3"	2.01	1.68	1.45	1.32
538-21039-0406	21039-0406	D	24	D	4"	2.22	1.85	1.60	1.46
538-21039-0417	21039-0417	D	24	A	10"	3.29	2.74	2.37	2.15
538-21039-0447	21039-0447	D	28	A	3"	2.44	2.03	1.76	1.60
538-21039-0453	21039-0453	D	28	A	6"	3.17	2.85	2.56	2.31
538-21039-0469	21039-0469	D	30	A	3"	2.12	1.77	1.53	1.39
538-21039-0475	21039-0475	D	30	A	6"	2.69	2.41	2.17	1.95
538-21039-0476	21039-0476	D	30	D	6"	2.62	2.18	1.89	1.72
538-21039-0485	21039-0485	D	30	A	12"	3.60	3.00	2.60	2.36
538-21039-1062	21039-1062	D	35	D	6"	2.84	2.37	2.05	1.87
538-21039-0586	21039-0586	D	40	D	6"	3.81	3.17	2.75	2.50

OMRON FPC Connectors

RoHS Compliant **This page of product is compliant.**

OMRON XF2B SERIES: SMT ROTARY BLOCK 0.30MM PITCH FPC CONNECTORS

Features:
- Bottom wall eliminates exposure of terminals
- Low on-board profile of 1.2mm
- Double-sided contact
- Slider supplied in open position
- Housing prevents displacement as slider is operated

Specifications:
- Rated current / voltage: 0.2A AC/DC / 50V AC/DC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating
- Applicable FPC thickness, t=0.2mm
- Reflow solderable, supplied on tape and reel

Applications:
- Personal computers
- Mobile phones
- PDAs
- Pagers
- LCDs

For quantities of 3000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Dimensions (mm)				Price Each				Reel Qty.	Reel Qty. Price Each
				A	B	C	D	1	25	50	100		
653-XF2B-2345-31A	XF2B-2345-31A	A	23	6.0	6.6	7.3	8.8	1.91	1.76	1.56	1.41	1500	1.02

OMRON XF2L SERIES: SMT ZIF 0.50MM PITCH SLIDE-LOCK FPC CONNECTORS

Features:
- Small footprint reduces space on board
- Top and bottom contact styles have identical dimensions, utilize the same PCB layout for efficiency
- Color-coded slide identifies top and bottom contact versions to prevent mix-ups during production

Specifications:
- Rated current: 0.5A
- Rated voltage: 50VDC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating

Applications:
- Personal computers
- Mobile phones
- Digital cameras
- LCDs

NEW PRODUCT

For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circ.	Contact Location	Dimensions (mm)				Price Each				Reel Qty.	Reel Qty. Price Each
					A	B	C	D	1	25	50	100		
653-XF2L-0425-1A	XF2L-0425-1A	B	4	Top contact	1.5	5.9	6.9	7.28	.56	.54	.52	.49	3000	.45
653-XF2L-0535-1A	XF2L-0535-1A	B	5	Bottom contact	2.0	6.4	7.4	7.78	.59	.57	.54	.52	3000	.31
653-XF2L-0625-1A	XF2L-0625-1A	B	6	Top contact	2.5	6.9	7.9	8.28	.62	.59	.57	.54	3000	.49
653-XF2L-0635-1A	XF2L-0635-1A	B	6	Bottom	2.5	6.9	7.9	9.88	.70	.50	.45	.44	3000	.32
653-XF2L-0825-1A	XF2L-0825-1A	B	8	Top contact	3.5	7.9	8.9	9.28	.68	.65	.62	.59	3000	.54
653-XF2L-1025-1A	XF2L-1025-1A	B	10	Top contact	4.5	8.9	9.9	10.28	.73	.71	.68	.65	3000	.38
653-XF2L-1225-1A	XF2L-1225-1A	B	12	Top	5.5	9.9	10.9	6.60	.97	.69	.62	.61	3000	.52
653-XF2L-1235-1A	XF2L-1235-1A	B	12	Bottom	5.5	9.9	10.9	10.38	.89	.70	.65	.62	3000	.52
653-XF2L-1325-1A	XF2L-1325-1A	B	13	Top	6.0	10.4	11.4	7.10	.92	.66	.63	.59	3000	.56
653-XF2L-1835-1A	XF2L-1835-1A	B	18	Bottom contact	8.5	12.9	13.9	14.28	.97	.93	.89	.85	3000	.51
653-XF2L-1825-1A	XF2L-1825-1A	B	18	Bottom	8.5	12.9	13.9	9.60	1.09	.78	.70	.69	3000	.58
653-XF2L-2035-1A	XF2L-2035-1A	B	20	Bottom	9.5	13.9	14.9	12.88	1.15	.82	.74	.73	3000	.58
653-XF2L-3025-1A	XF2L-3025-1A	B	30	Bottom	14.5	18.9	19.9	15.60	1.48	1.06	.95	.94	3000	.75
653-XF2L-3035-1A	XF2L-3035-1A	B	30	Bottom	14.5	18.9	19.9	18.88	1.48	1.06	.95	.94	3000	.75

OMRON XF2M SERIES: SMT 0.50MM PITCH ROTARY BACKLOCK FPC CONNECTORS

Features:
- Double-sided (upper and lower) contact structure enables component reductions
- Short body depth of 5.9 mm with slider closed
- Reflow solderable, supplied on tape and reel

Specifications:
- Rated current: 0.5A
- Rated voltage: 50VDC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating

Applications:
- Personal computers
- Mobile phones
- PDAs
- Digital cameras

NEW PRODUCT

For quantities of 3000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Dimensions (mm)					Price Each				Reel Qty.	Reel Qty. Price Each
				A	B	C	D	E	1	25	50	100		
653-XF2M-1015-1A	XF2M-1015-1A	C	10	4.5	5.6	8.5	9.1	7.1	1.03	.99	.95	.91	1500	.70
653-XF2M-1215-1A	XF2M-1215-1A	C	12	5.5	6.6	9.5	10.1	8.1	1.38	.99	.88	.87	1500	.63
653-XF2M-1415-1A	XF2M-1415-1A	C	14	6.5	7.6	10.5	11.1	9.1	1.45	1.04	.93	.92	1500	.66
653-XF2M-1815-1A	XF2M-1815-1A	C	18	8.5	9.6	12.5	13.1	11.1	1.54	1.10	.99	.98	1500	.70
653-XF2M-2015-1A	XF2M-2015-1A	C	20	9.5	10.6	13.5	14.1	12.1	1.32	1.26	1.21	1.16	1500	.89
653-XF2M-2215-1A	XF2M-2215-1A	C	22	10.5	11.6	14.5	15.1	13.1	1.68	1.20	1.07	1.06	1500	.77
653-XF2M-2415-1A	XF2M-2415-1A	C	24	11.5	12.6	15.5	16.1	14.1	1.75	1.25	1.12	1.11	1500	.80
653-XF2M-2615-1A	XF2M-2615-1A	C	26	12.5	13.6	16.5	17.1	15.1	1.83	1.31	1.17	1.16	1500	.83
653-XF2M-3015-1A	XF2M-3015-1A	C	30	14.5	15.6	18.5	19.1	17.1	3.16	3.04	2.91	2.78	1500	2.15
653-XF2M-3215-1A	XF2M-3215-1A	C	32	15.5	16.6	19.5	20.1	18.1	1.72	1.65	1.58	1.51	1500	1.17
653-XF2M-3315-1A	XF2M-3315-1A	C	33	16.0	17.1	20.0	20.6	18.6	2.15	1.54	1.38	1.36	1500	.98
653-XF2M-3415-1A	XF2M-3415-1A	C	34	16.5	17.6	20.5	21.1	19.1	1.79	1.72	1.65	1.57	1500	1.22
653-XF2M-3515-1A	XF2M-3515-1A	C	35	17.0	18.1	21.0	21.6	19.6	2.42	1.73	1.55	1.53	1500	1.02
653-XF2M-3615-1A	XF2M-3615-1A	C	36	17.5	18.6	21.5	22.1	20.1	1.87	1.79	1.72	1.64	1500	1.27
653-XF2M-4015-1A	XF2M-4015-1A	C	40	19.5	20.6	23.5	24.1	22.1	2.02	1.93	1.85	1.77	1500	1.37
653-XF2M-4515-1A	XF2M-4515-1A	C	45	22.0	23.1	26.0	26.6	24.6	2.73	1.95	1.75	1.73	1500	1.24
653-XF2M-5015-1A	XF2M-5015-1A	C	50	24.5	25.6	28.5	29.1	27.1	2.39	2.29	2.19	2.10	1500	1.62

OMRON XF2N SERIES: 0.50MM PITCH LOW-PROFILE ROTARY BACKLOCK FPC CONNECTORS

Features:
- Greater freedom of board design with 0.9mm profile and bottom wall
- Double-sided (upper and lower) contact structure enables component reductions
- Backlock mechanism makes FPC mounting significantly easier

Specifications:
- Rated current / voltage: 0.3A AC/DC / 50V AC/DC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating

Applications:
- Personal computers
- Mobile phones
- PDAs

For quantities of 6000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Dimensions (mm)			Price Each				Reel Qty.	Reel Qty. Price Each
				A	B	C	1	25	50	100		
653-XF2N-2115-3	XF2N-2115-3	D	21	10.0	11.1	13.0	1.79	1.61	1.43	1.29	3000	.94
653-XF2N-3215-3	XF2N-3215-3	D	32	15.5	16.6	18.5	2.77	2.49	2.21	1.99	3000	1.45

OMRON XF2R SERIES: 0.50MM PITCH LOW-PROFILE ROTARY BACKLOCK FPC CONNECTORS

Features:
- FPC insertion sensation greatly improved with 1.1mm FPC guide section
- Double-sided (upper and lower) contact structure enables component reductions
- Effective interface length for terminals increased to 1.4mm to ensure stability in applications with a lot of movement

Specifications:
- Rated current / voltage: 0.3A AC/DC / 50V AC/DC
- Insertion tolerance: 20 times
- Contact material: nickel substrate, gold plating

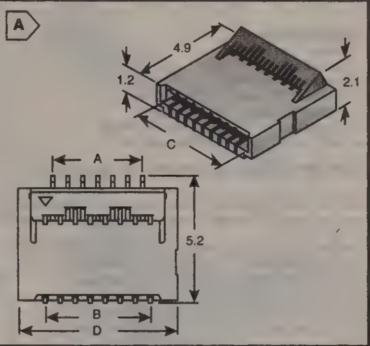
Applications:
- Personal computers
- Mobile phones
- Digital cameras

For quantities of 6000 and up, call for quote.

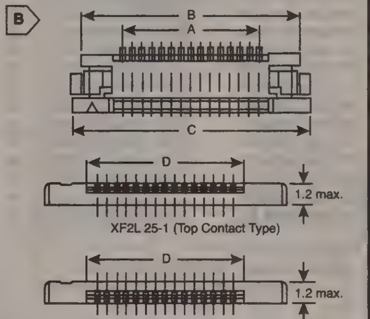
MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Circuits	Dimensions (mm)					Price Each				Reel Qty.	Reel Qty. Price Each
				A	B	C	D	E	1	25	50	100		
653-XF2R-0915-4A	XF2R-0915-4A	E	9	6.5	4.0	5.1	6.05	6.85	1.42	1.35	1.29	1.23	3000	.82
653-XF2R-1815-4A	XF2R-1815-4A	E	18	11.0	8.5	9.6	10.55	11.35	1.85	1.77	1.69	1.61	3000	1.08
653-XF2R-4015-4A	XF2R-4015-4A	E	40	22.0	19.5	20.6	21.55	22.35	2.93	2.80	2.67	2.54	3000	1.70

DIMENSIONS: mm

A



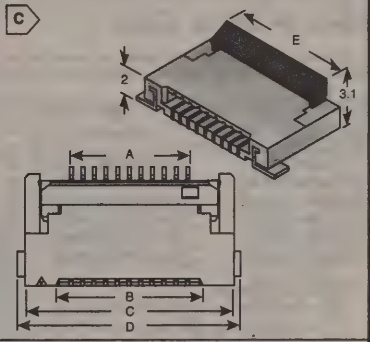
B



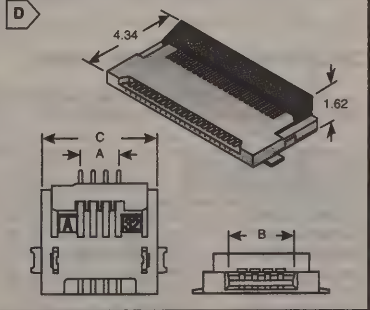
XF2L 25-1 (Top Contact Type)

XF2L 35-1 (Bottom Contact Type)

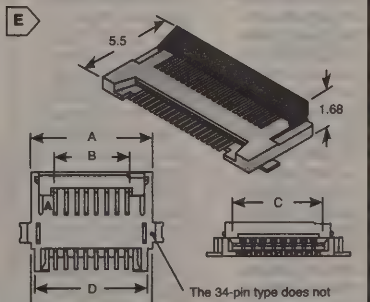
C



D



E



The 34-pin type does not have this protrusion. (upper part of the hold-own)

3M Textool™ Test and Burn-In Sockets

RoHS Compliant This page of product is compliant.

TEXTOOL SOCKETS AND RECEPTACLES

Specifications:
- Current: 1A
- Color: Green
- Flammability: UL 94V-0
- Operating Temperature: -55°C to +150°C
- Contact Material: Beryllium Copper
- Contact Plating: 30μ" Gold over 50μ" Nickel
- RoHS Compliant per 3M documentation

ZIP DIP II 2.54mm (.100") DIP Sockets

RoHS Compliant

With decades of experience on the market, 3M TextoolTM DIP Sockets provide a proven, reliable test/burn-in interface for DIP Packages with .100" lead spacing, and pin counts of 14 to 64. The sockets possess a lever actuated zero insertion force mechanism to maximize cycle life and reduce the potential for device lead damage.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Distance Between Rows	3M Mating * Receptacle Part No.	Price Each		
						1	5	10
517-214-3339-00	214-3339-00-0602J	A	14	.300 (7.62)	214-3339-XX-0602J	10.21	9.95	9.36
517-216-3340-00	216-3340-00-0602J	A	16	.300 (7.62)	216-3340-XX-0602J	10.64	10.15	9.75
517-218-3341-00	218-3341-00-0602J	A	18	.300 (7.62)	218-3341-XX-0602J	11.04	10.85	10.13
517-220-3342-00	220-3342-00-0602J	A	20	.300 (7.62)	220-3342-XX-0602J	11.48	11.08	10.52
517-222-3343-00	222-3343-00-0602J	A	22	.400 (10.16)	222-3334-XX-0602J	11.85	11.25	10.91
517-224-1275-00	224-1275-00-0602J	A	24	.600 (15.24)	224-1275-XX-0602J	10.58	10.35	9.70
517-224-5248-00	224-5248-00-0602J	A	24	.300 (7.62)	224-5248-XX-0602J	12.50	11.65	10.55
517-228-1277-00	228-1277-00-0602J	A	28	.600 (15.24)	228-1277-XX-0602J	11.76	11.05	10.75
517-228-4817-00	228-4817-00-0602J	A	28	.400 (10.16)	228-4817-XX-0602J	14.18	13.05	11.35
517-232-1285-00	232-1285-00-0602J	A	32	.600 (15.24)	232-1285-XX-0602J	13.78	12.05	11.02
517-240-1280-00	240-1280-00-0602J	A	40	.600 (15.24)	240-1280-XX-0602J	14.85	14.05	13.95
517-240-3639-00	240-3639-00-0602J	A	40	1.00 (25.4)	240-3639-XX-0602J	18.31	17.05	14.90
517-242-1281-00	242-1281-00-0602J	A	42	.600 (15.24)	242-1281-XX-0602J	16.44	14.95	13.45
517-248-1282-00	248-1282-00-0602J	A	48	.600 (15.24)	248-1282-XX-0602J	20.50	18.95	16.55
517-264-4493-00	264-4493-00-0602J	A	64	.900 (22.86)	264-4493-XX-0602J	22.45	21.10	20.60

* Contact Tail Length:
XX = 09 Solder Tail .13 (3.3) w/ flanges
= 19 Wire Wrap Tail .62 (15.8) w/ flanges
= 29 Solder Tail .13 (3.3) w/out flanges
= 39 Wire Wrap Tail .62 (15.8) w/out flanges

Shrink DIP .070" DIP Sockets

RoHS Compliant

With decades of experience on the market, 3M TextoolTM DIP Sockets provide a proven, reliable test/burn-in interface for DIP packages with .100" lead spacing, and pin counts of 28 to 90. The sockets possess a lever actuated zero insertion force mechanism to maximize cycle life and reduce the potential for device lead damage.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	3M Mating Receptacle Part No.*	Price Each		
					1	5	10
517-228-1290-00	228-1290-00-0602J	B	28	228-1290-XX-0602J	12.38	11.55	9.90
517-232-1291-00	232-1291-00-0602J	B	32	NOT AVAILABLE	17.40	16.05	14.35
517-242-1293-00	242-1293-00-0602J	B	42	242-1293-XX-0602J	17.98	15.95	14.65
517-256-1292-00	256-1292-00-0602J	B	56	NOT AVAILABLE	24.44	22.91	19.55
517-264-1300-00	264-1300-00-0602J	B	64	264-1300-XX-0602J	25.18	23.95	20.14
517-290-1294-00	290-1294-00-3302J	B	90	290-1294-XX-0602J	37.95	35.95	30.38

* Contact Tail Length:
XX = 09 Solder Tail .13 (3.3) w/ flanges
= 19 Wire Wrap Tail .62 (15.8) w/ flanges
= 29 Solder Tail .13 (3.3) w/out flanges
= 39 Wire Wrap Tail .62 (15.8) w/out flanges

ZIP DIP II Receptacles for DIP Sockets

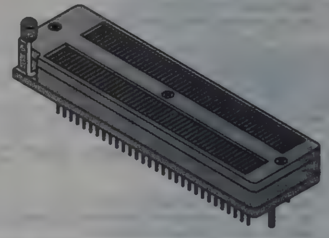
RoHS Compliant

With decades of experience on the market, 3M TextoolTM DIP Receptacles provide a proven, reliable interface between DIP Sockets and a PCB. Receptacles are available for most Textool socket sizes.

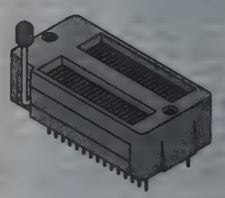
MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each		
				1	5	10
517-214-3339-09	214-3339-09-0602J	C	14	8.11	7.95	7.44
517-214-3339-19	214-3339-19-0602J	C	14	10.21	10.01	9.39
517-216-3340-09	216-3340-09-0602J	C	16	8.45	8.05	7.75
517-216-3340-19	216-3340-19-0602J	C	16	10.80	10.25	9.85
517-218-3341-09	218-3341-09-0602J	C	18	8.86	8.65	8.12
517-220-3342-09	220-3342-09-0602J	C	20	9.30	8.95	8.43
517-220-3342-19	220-3342-19-0602J	C	20	12.05	11.55	10.95
517-224-1275-09	224-1275-09-0602J	C	24	8.75	8.19	7.80
517-224-1275-19	224-1275-19-0602J	C	24	10.75	10.35	9.78
517-224-1275-39	224-1275-39-0602J	C	24	11.42	10.95	9.14
517-224-5248-19	224-5248-19-0602J	C	24	14.02	13.65	11.75
517-228-1277-09	228-1277-09-0602J	C	28	9.44	9.09	8.55
517-228-1277-19	228-1277-19-0602J	C	28	12.80	12.16	10.24
517-228-1277-29	228-1277-29-0602J	C	28	10.06	9.56	8.85
517-228-1277-39	228-1277-39-0602J	C	28	12.80	11.55	10.24
517-228-1290-09	228-1290-09-0602J	C	28	10.00	9.55	8.05
517-228-1290-29	228-1290-29-0602J	C	28	10.00	9.55	8.05
517-228-4817-09	228-4817-09-0602J	C	28	12.44	11.05	9.95
517-228-4817-19	228-4817-19-0602J	C	28	15.72	14.25	12.58
517-232-1285-09	232-1285-09-0602J	C	32	11.00	10.45	9.42
517-232-1285-19	232-1285-19-0602J	C	32	14.12	12.95	11.30
517-232-1285-29	232-1285-29-0602J	C	32	14.12	13.05	11.29
517-232-1285-39	232-1285-39-0602J	C	32	16.55	14.13	11.29

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each		
				1	5	10
517-240-1280-09	240-1280-09-0602J	C	40	12.34	11.97	10.25
517-240-1280-19	240-1280-19-0602J	C	40	16.95	14.95	13.65
517-240-1280-29	240-1280-29-0602J	C	40	12.60	11.97	10.08
517-240-1280-39	240-1280-39-0602J	C	40	16.50	15.67	14.25
517-240-3639-09	240-3639-09-0602J	C	40	15.45	13.95	12.55
517-240-3639-19	240-3639-19-0602J	C	40	20.10	18.95	16.45
517-242-1281-09	242-1281-09-0602J	C	42	12.76	11.80	10.93
517-242-1281-19	242-1281-19-0602J	C	42	16.88	14.95	13.65
517-242-1281-29	242-1281-29-0602J	C	42	12.76	11.95	10.21
517-242-1281-39	242-1281-39-0602J	C	42	16.88	14.95	13.50
517-242-1293-09	242-1293-09-0602J	C	42	13.34	10.85	10.67
517-242-1293-29	242-1293-29-0602J	C	42	13.28	11.95	10.62
517-248-1282-09	248-1282-09-0602J	C	48	14.28	13.95	11.55
517-248-1282-19	248-1282-19-0602J	C	48	19.00	17.95	15.55
517-248-1282-29	248-1282-29-0602J	C	48	14.28	12.95	11.42
517-248-1282-39	248-1282-39-0602J	C	48	19.00	17.95	15.20
517-264-1300-09	264-1300-09-0602J	C	64	19.20	17.95	15.36
517-264-1300-29	264-1300-29-0602J	C	64	19.16	17.95	15.33
517-264-4493-09	264-4493-09-0602J	C	64	18.90	17.85	16.50
517-264-4493-19	264-4493-19-0602J	C	64	27.58	25.95	22.14
517-290-1294-09	290-1294-09-0602J	C	90	26.62	24.95	21.30
517-290-1294-29	290-1294-29-0602J	C	90	26.62	24.96	21.29

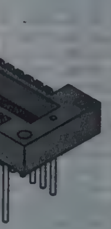
A



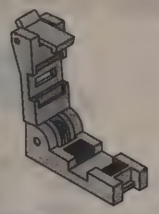
B

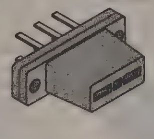


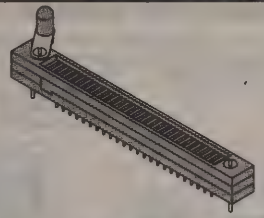
C

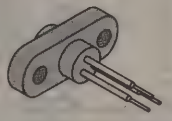


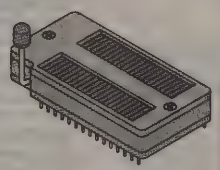
3M Textool™ Test and Burn-In Sockets

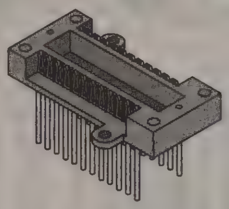
A


B


C


D


E


F


TEXTOOL SOCKETS AND RECEPTACLES

Specifications:
- Current: 1A
- Color: Green
- Flammability: UL 94V-0
- Operating Temperature: -55°C to +150°C
- Contact Material: Beryllium Copper
- Contact Plating: 30μ" Gold over 50μ" Nickel
- RoHS Compliant per 3M documentation

RoHS Compliant

Test and Burn-In SOIC Sockets

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Leads	Price Each		
				1	5	10
517-208-7391-55	208-7391-55-1902	A	8	17.94	17.04	16.15
517-214-7390-55	214-7390-55-1902	A	14	19.10	18.15	16.25
517-216-7224-55	216-7224-55-1902	A	16	20.26	19.25	17.00
517-216-7383-55	216-7383-55-1902	A	16	20.26	19.24	17.25
517-218-7223-55	218-7223-55-1902	A	18	20.80	19.76	17.35
517-220-7201-55	220-7201-55-1902	A	20	21.96	20.86	18.45
517-224-7397-55	224-7397-55-1902	A	24	24.26	23.04	20.01
517-228-7396-55	228-7396-55-1902	A	28	26.52	25.19	22.05
517-228-7474-55	228-7474-55-1902	A	28	26.52	25.19	22.05

Power In-Line Socket

3M TextoolTM Power In-Line Sockets provide a proven, reliable test/burn-in interface for 3 lead TO packages such as TO-3 and TO-66. The Power In-Line Socket must be mounted to board with screws and has 2 entry ports which accept devices with 0.75" to 0.20" between leads.

RoHS Compliant

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each		
				1	5	10
517-203-2737-55	203-2737-55-1102	B	3	29.25	27.85	24.55

2.54mm (.100") In-Line DIP Strip Sockets

With decades of experience on the market, 3M TextoolTM In-Line ZIP Strip Sockets provide a proven, reliable test/burn-in interface for Single In-Line style packages in pin counts of 10 to 36.

RoHS Compliant

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each		
				1	5	10
517-210-2599-00	210-2599-00-0602	C	10	24.62	20.18	19.69
517-220-2600-00	220-2600-00-0602	C	20	27.78	26.39	23.15
517-224-5809-00	224-5809-00-0602	C	24	28.78	27.34	23.01
517-232-2601-00	232-2601-00-0602	C	32	30.80	29.26	25.25
517-236-6225-00	236-6225-00-0602	C	36	31.74	30.15	26.25

Laser Diode Socket

3M TextoolTM Diode Sockets provide a proven, reliable test/burn-in interface for diode style JEDEC TO packages in pin counts of 3 and 4.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each		
				1	5	10
517-203-6585-00	203-6585-00-0602J	D	3	3.99	3.80	3.61
517-203-6585-50	203-6585-50-0602J	D	3	3.95	3.76	3.57
517-203-6970-00	203-6970-00-0602J	D	3	3.65	3.44	3.27
517-203-6970-50	203-6970-50-0602J	D	3	3.55	3.38	3.21
517-204-6585-00	204-6585-00-0602J	D	4	4.89	4.66	4.43
517-204-6585-50	204-6585-50-0602J	D	4	4.79	4.56	4.33
517-204-6970-00	204-6970-00-0602J	D	4	4.39	4.18	3.97
517-204-6970-50	204-6970-50-0602J	D	4	4.33	4.12	3.91

UNIVERSAL DIP 2.54MM (.100") UNIVERSAL DIP SOCKETS

With decades of experience on the market, 3M TextoolTM Universal DIP Sockets provide a proven; reliable test/burn-in interface for DIP Packages with .100" lead spacing. The sockets possess a lever actuated zero insertion force mechanism to maximize cycle life and reduce the potential for device lead damage. An extra-wide contact zone accepts any package body width between .300" and .600".

RoHS Compliant

*Contact Tail Length:
XX = 09 Solder Tail .13 (3.3) w/ flanges
= 19 Wire Wrap Tail .62 (15.8) w/ flanges
= 29 Solder Tail .13 (3.3) w/out flanges
= 39 Wire Wrap Tail .62 (15.8) w/out flanges

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	3M Mating Receptacle Part No.*	Price Each		
					1	5	10
517-224-1286-00	224-1286-00-0602J	E	24	224-1275-**XX**-0602J	14.55	14.20	13.52
517-228-1371-00	228-1371-00-0602J	E	28	228-1277-**XX**-0602J	16.66	16.05	15.28
517-232-1287-00	232-1287-00-0602J	E	32	232-1285-**XX**-0602J	19.60	18.62	15.98
517-240-1288-00	240-1288-00-0602J	E	40	240-1280-**XX**-0602J	21.77	21.55	19.96
517-242-1289-00	242-1289-00-0602J	E	42	242-1281-**XX**-0602J	24.56	23.75	21.04

ZIP DIP II RECEPTACLES FOR DIP SOCKETS

With decades of experience on the market, 3M TextoolTM DIP Receptacles provide a proven, reliable interface between DIP Sockets and a PCB. Receptacles are available for most Textool socket sizes.

RoHS Compliant

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each		
				1	5	10
517-224-1275-09	224-1275-09-0602J	F	24	8.75	8.19	7.80
517-224-1275-19	224-1275-19-0602J	F	24	10.75	10.35	9.78
517-224-1275-29	224-1275-29-0602J	F	24	9.15	8.65	7.28
517-224-1275-39	224-1275-39-0602J	F	24	11.42	10.95	9.14
517-228-1277-09	228-1277-09-0602J	F	28	9.44	9.09	8.55
517-228-1277-19	228-1277-19-0602J	F	28	12.80	12.16	10.24
517-228-1277-29	228-1277-29-0602J	F	28	10.06	9.56	8.85
517-228-1277-39	228-1277-39-0602J	F	28	12.80	11.55	10.24
517-232-1285-09	232-1285-09-0602J	F	32	11.00	10.45	9.42
517-232-1285-19	232-1285-19-0602J	F	32	14.12	12.95	11.30

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Contacts	Price Each		
				1	5	10
517-232-1285-29	232-1285-29-0602J	F	32	14.12	13.05	11.29
517-232-1285-39	232-1285-39-0602J	F	32	21.19	17.66	14.13
517-240-1280-09	240-1280-09-0602J	F	40	12.34	11.97	10.25
517-240-1280-19	240-1280-19-0602J	F	40	16.95	14.95	13.65
517-240-1280-29	240-1280-29-0602J	F	40	12.60	11.97	10.08
517-240-1280-39	240-1280-39-0602J	F	40	16.50	15.67	14.25
517-242-1281-09	242-1281-09-0602J	F	42	12.76	11.80	10.93
517-242-1281-19	242-1281-19-0602J	F	42	16.88	14.95	13.65
517-242-1281-29	242-1281-29-0602J	F	42	12.76	11.95	10.21
517-242-1281-39	242-1281-39-0602J	F	42	16.88	14.95	13.50

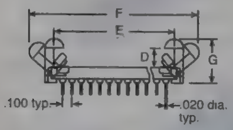
ARIES Sockets, Adapters and Jumpers

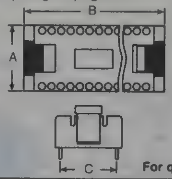
LOCK/EJECT DIP SOCKETS

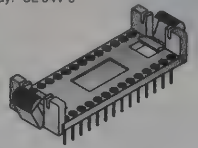
EJECT-A-DIP® is a rugged, solderable socket with a unique ejector/latch for fast in-field board maintenance. It locks in the connector or device, making it ideal for high vibration environments. When used as an ejector, it removes DIP packages without pin damage.

Specifications:

- Pin body plating: tin glass-filled polyester (PBT)
- Contact plating: 10µ" gold
- Contact current rating: 3A
- Body: UL 94V-0







For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	# of Pins	Dimensions (In.)							Price Each		
			A	B	C	D	E	F	G	1	25	50
535-14-C280-10	14-C280-10	14	.40	.95	.30	.280	.77	1.30	.54	2.97	2.70	2.56
535-16-C280-10	16-C280-10	16	.40	1.05	.30	.280	.83	1.54	.54	3.22	2.93	2.78
535-28-C182-10	28-C182-10	28	.70	1.69	.60	.182	1.47	2.00	.46	4.75	4.32	4.10
535-32-C182-10	32-C182-10	32	.70	1.89	.60	.182	1.69	2.20	.46	5.44	4.95	4.70
535-40-C182-10	40-C182-10	40	.70	2.29	.60	.182	2.07	2.60	.46	7.83	7.12	6.76

OPEN FRAME MACHINE PIN COLLET SOCKETS

Specifications:

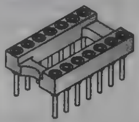
- Body: blue UL 94V-0 glass-filled polyester thermoplastic (PBT)
- Pins: 200µ" tin over 100µ" nickel plated brass
- Contacts: 10µ" gold over 50µ" nickel plated beryllium copper

Features:

- Open frame allows for more efficient utilization of board space and better cooling
- Compatible with automatic insertion equipment

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Pin Centers	Price Each		
				1	25	100
535-08-3518-10	08-3518-10	8	.300	.35	.31	.30
535-14-3518-10	14-3518-10	14	.300	.59	.53	.51
535-16-3518-10	16-3518-10	16	.300	.67	.61	.58
535-18-3518-10	18-3518-10	18	.300	.83	.75	.71
535-20-3518-10	20-3518-10	20	.300	.75	.68	.65
535-24-3518-10	24-3518-10	24	.300	.94	.85	.81
535-24-6518-10	24-6518-10	24	.600	.96	.87	.83
535-28-3518-10	28-3518-10	28	.300	1.31	1.19	1.13
535-28-6518-10	28-6518-10	28	.600	1.15	1.04	.99
535-32-6518-10	32-6518-10	32	.600	1.31	1.19	1.13
535-40-6518-10	40-6518-10	40	.600	1.52	1.38	1.31
535-48-6518-10	48-6518-10	48	.600	2.26	2.06	1.96



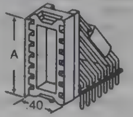
DISPLAY SOCKETS

DIMENSIONS (IN.)

Specifications:

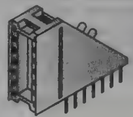
- Body: red UL 94-HB glass-filled nylon
- Contacts: either 10µ" gold or 100µ" tin over 50µ" nickel plated phosphor bronze

A



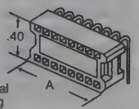
Vertical Mounting w/o rails

B



Vertical Mounting w/rails

C



Horizontal Mounting

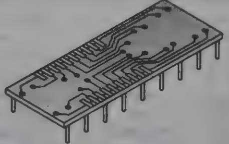
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Fig.	A Dim. (In.)	No. of Pins	Plating	Row to Row Sp.		Price Each		
						Socket	Pin	1	25	50
535-14-810-90T	14-810-90T	A	.75	14	Tin	.300	.100	4.12	3.74	3.56
535-10-2810-90	10-2810-90	A	.55	10	Gold	.200	.100	4.82	4.38	4.16
535-14-810-90R	14-810-90R	B	.75	14	Tin	.300	.100	4.27	3.88	3.69
535-14-820-90T	14-820-90T	C	.75	14	Tin	.300	.100	2.97	2.70	2.57
535-14-823-90	14-823-90	C	.75	14	Gold	.300	.300	4.69	4.26	4.05
535-16-820-90T	16-820-90T	C	.85	16	Tin	.300	.100	3.18	2.89	2.74
535-40-6823-90	40-6823-90	C	2.05	40	Gold	.600	.300	14.08	12.80	12.16

SSOP IC TO DIP ADAPTERS

Specifications:

- Tin plated
- Solder tail pin
- Current rating: 1A
- Operating temperature: 105°C



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Contacts	Price Each		
			1	5	10
535-14-351000-10	14-351000-10	14	23.61	21.46	20.39
535-16-351000-10	16-351000-10	16	23.61	21.46	20.39
535-18-351000-10	18-351000-10	18	20.99	19.08	18.13
535-20-351000-10	20-351000-10	20	23.61	21.46	20.39
535-24-351000-10	24-351000-10	24	23.61	21.46	20.39
535-28-351000-10	28-351000-10	28	23.61	21.46	20.39

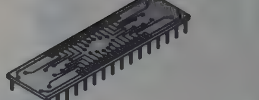
SOIC AND SOJ TO DIP ADAPTERS

Specifications:

- Board material: .062" FR-4
- Pins: brass alloy with tin over nickel plating

Features:

- Cost effective, permits upgrading to SOJ or SOIC---without changing PCB layout
- Available on .300", .400", and .600" centers



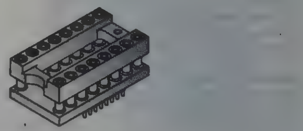
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Pin Centers	Price Each		
				1	5	10
.300" Centers						
535-08-350000-10	08-350000-10	8	SOIC	6.44	5.85	5.56
535-14-350000-10	14-350000-10	14	SOIC	7.38	6.71	6.38
535-16-350000-10	16-350000-10	16	SOIC	6.44	5.85	5.56
535-18-350000-10	18-350000-10	18	SOIC	7.38	6.71	6.38
535-20-350000-10	20-350000-10	20	SOIC	6.44	5.85	5.56
535-20-350001-10	20-350001-10	20	SOJ	9.72	8.83	8.39
535-24-350000-10	24-350000-10	24	SOIC	6.22	5.65	5.37
535-28-350002-10	28-350002-10	28	SOIC	9.72	8.83	8.39
.400" Centers						
535-32-450001-10	32-450001-10	32	SOJ	14.23	12.93	12.29
.600" Centers						
535-24-650000-10	24-650000-10	24	SOIC	11.32	10.29	9.77
535-28-650000-10	28-650000-10	28	SOIC	14.12	12.83	12.19
535-32-650000-10	32-650000-10	32	SOJ	16.18	14.71	13.97

DIP TO SOIC ADAPTERS

Specifications:

- Socket body: Black, UL94V-0 Glass-filled 4/6 Nylon
- PCB: FR-4, .062" thick
- Contact current rating: 3A
- Operating temperature: 105°C



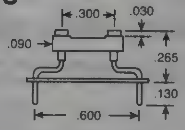
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Contacts	Price Each		
			1	5	10
Short Adapter Pin					
535-08-354000-10	08-354000-10	8	21.68	19.71	18.73
535-14-3540-10	14-354000-10	14	22.48	20.44	19.42
535-16-354000-10	16-354000-10	16	23.23	21.12	20.07
535-20-354-000-10	20-354000-10	20	25.48	23.17	22.01
535-24-354000-10	24-354000-10	24	28.48	25.89	24.60
535-28-354000-10	28-354000-10	28	29.98	27.25	25.89
Long Adapter Pin					
535-08-354000-20	08-354000-20	8	21.68	19.71	18.73
535-14-354000-20	14-354000-20	14	22.48	20.44	19.42
535-16-354000-20	16-354000-20	16	23.23	21.12	20.07
535-20-354000-20	20-354000-20	20	25.48	23.17	22.01
535-24-354000-20	24-354000-20	24	28.48	25.89	24.60
535-28-354000-20	28-354000-20	28	29.98	27.25	25.89

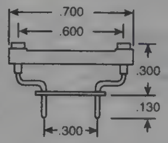
DIP ADAPTER SOCKETS

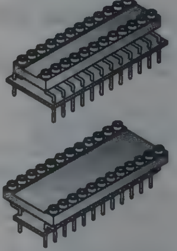
These adapter sockets allow the use of .300" center devices when the PCB is drilled on .600" centers and vice-versa, giving the flexibility of using .600" or .300" center devices in the same application.

A



B





Specifications:

- Pin body plating: tin
- 4-fingered collet contact: beryllium copper
- Contact plating: 30µ" gold
- Contact current rating: 3A
- Socket body: black UL 94-HB glass-filled nylon

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Fig	No. of Pins	Description	Price Each		
					1	10	25
535-1106396-24	1106396-24	A	24	.300" DIP to .600" PCB adapters	10.86	9.87	9.38
535-1106396-28	1106396-28	A	28	.300" DIP to .600" PCB adapters	10.56	9.60	9.12
535-1107254-24	1107254-24	B	24	.600" DIP to .300" PCB adapters	10.86	9.87	9.38
535-1107254-28	1107254-28	B	28	.600" DIP to .300" PCB adapters	12.11	11.01	10.46

MINI-LINK™ MINIATURE JUMPER

Specifications:

- Body: black UL 94V-0 glass-filled polyester thermoplastic
- Contacts: tin over nickel plated phosphor bronze

Features:

- Mini-Link™ miniature jumpers are useful for jumpering .025" square pins on .100" centers
- Jumper terminal is partially exposed for testing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Price Each		
		1	25	100
535-ME-100	ME-100	.13	.11	.08

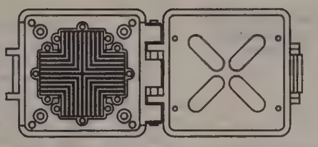
ARIES Sockets

UNIVERSAL PLCC ZIF TEST SOCKET

Specifications:

- Body: black ULV-0 glass-filled polyphenylene Sulfide (PPS)
- Contact pin: beryllium copper, gold over nickel plating
- Contact current rating: 1A
- Hardware: stainless steel
- Life cycle: 10,000 insertions max.

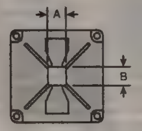
A



Features:

- One socket will accept all seven PLCC sizes: 20, 28, 44, 52, 68 and 84 square PLCC and 32 rectangular PLCC
- Seven adapter plates are available for each PLCC lead count
- The PLCC is inserted "live bug" (pins down)
- Can also be plugged into Aries' Universal ZIF PLCC Socket Receptacle (Mouser Stock No. 535-84-637-10)

B



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Fig	No. of Pins	Dimensions (In.)		Price Each
				A	B	
Universal PLCC ZIF Test Socket						
535-84-537-21	84-537-21	A	- - -	- - -	- - -	385.71
Adapter Plates						
535-20-537-20	20-537-20	B	20	.395/.397	.395/.397	24.53
535-28-537-20	28-537-20	B	28	.495/.497	.495/.497	24.53
535-32-537-20	32-537-20	B	32	.495/.497	.495/.497	24.53
535-44-537-20	44-537-20	B	44	.695/.697	.695/.697	24.53
535-52-537-20	52-537-20	B	52	.795/.797	.795/.797	24.53
535-68-537-20	68-537-20	B	68	.995/.997	.995/.997	24.53
535-84-537-20	84-537-20	B	84	1.195/1.197	1.195/1.197	24.53

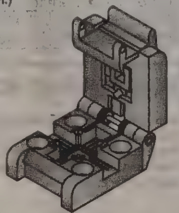
PLCC ZIF TEST AND BURN-IN SOCKETS

Features:

- ZIF prevents bending or damaging legs
- Corner post provide positive package orientation
- Accepts JEDEC, MO-047, MO-052, & other ceramic, leadless, or J-lead packages (Shims required)

Specifications:

- Body: UL94V-0 glass-filled polyphenylene sulphide
- Contact plating: 12μ gold over 50μ nickel
- Life cycles: 10,000 insertions (min.)
- Contacts: beryllium copper
- Current rating: 1A

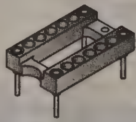


For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Price Each
535-44-536-11	44-536-11	44	130.92
535-68-536-11	68-536-11	68	159.62
535-84-536-11	84-536-11	84	179.92

4 PIN OSCILLATOR SOCKETS

- Four pin socket accepts standard oscillator packages
- Designed to be end-to-end or side-to-side stackable
- Machine insertable
- Body: Blue UL 94V-0 Glass-filled Polyester Thermoplastic
- Operating Temperature: 221°F [105°C]
- 4-fingered collet contact has 10μ" of Gold plating



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	Description	Price Each		
			1	25	100
535-1108800	1108800	Half Size Socket	.75	.63	.48
535-1107741	1107741	Full Size Socket	.75	.63	.48

PLCC TO DIP ADAPTERS

Features:

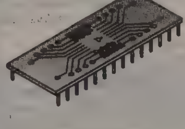
- Converts PLCC packaged IC's to a DIP footprint
- Ideal for prototyping, testing, and evaluation
- PLCC sockets or PLCC contact pads

Specifications:

- Body: FR-4 plastic
- Solder tail pins: brass alloy with tin over nickel plating
- Optional PLCC socket contacts: copper alloy with tin over nickel plating
- Current rating: 1A

For quantities of 50 and up, call for quote.

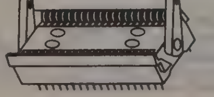
MOUSER STOCK NO.	Aries Part No.	No. of Pins	Price Each		
			1	10	25
With PLCC Pads					
535-28-652000-10	28-652000-10	28	44.49	37.08	28.18
535-44-652000-10	44-652000-10	44	40.94	34.12	25.93
535-68-652000-10	68-652000-10	68	46.98	39.15	29.75
With PLCC Socket					
535-28-653000-10	28-653000-10	28	50.85	42.38	32.21
535-44-653000-10	44-653000-10	44	58.57	48.81	37.09
535-68-653000-10	68-653000-10	68	67.78	56.48	42.93
535-84-653000-10	84-653000-10	84	67.78	56.48	42.93

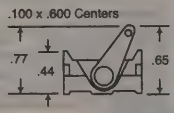


With PLCC Pads

ZIF IC SOCKETS

A true ZIF (Zero Insertion Force) device. Contacts are normally open and are closed by CAM action controlled by lever arms. A tapered entry guides legs into mating position with contacts.





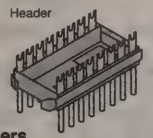
.100" DIP FORK HEADERS AND COVERS

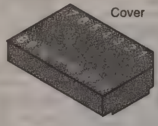
Features:

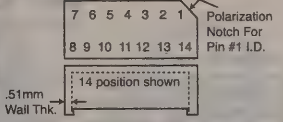
- Forked contacts accepts up to .025" Dia. leads
- Body cavity design provides additional clearance for components
- Protective covers snap on to headers

Specifications:

- Header body and covers: Red UL 94-HB Glass-filled Nylon
- Contact Rating: 2 Amps
- Operating Temperature: 221°F [105°C] Tin Plating 257°F [125°C] Gold Plating
- PCB Hole Size: .035 Dia.







Headers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Row Spacing	Plating	Price Each		
					1	25	100
535-08-600-10	08-600-10	8	.300"	Tin	1.54	1.28	.97
535-08-600-11	08-600-11	8	.300"	Gold	1.83	1.53	1.16
535-14-600-10	14-600-10	14	.300"	Tin	2.17	1.81	1.37
535-14-600-11	14-600-11	14	.300"	Gold	2.93	2.44	1.86
535-16-600-10	16-600-10	16	.300"	Tin	2.36	1.97	1.50
535-16-600-11	16-600-11	16	.300"	Gold	3.19	2.66	2.02
535-18-600-10	18-600-10	18	.300"	Tin	2.64	2.20	1.67
535-20-600-10	20-600-10	20	.300"	Tin	2.82	2.35	1.78
535-24-600-10	24-600-10	24	.600"	Tin	3.46	2.89	2.19
535-28-600-10	28-600-10	28	.600"	Tin	4.03	3.36	2.55

Covers for Headers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Max. Component Height	Price Each		
				1	25	100
535-08-650-10	08-650-10	8	.125"	.72	.60	.46
535-14-650-10	14-650-10	14	.125"	.72	.60	.46
535-16-650-10	16-650-10	16	.125"	.78	.65	.50
535-18-650-10	18-650-10	18	.125"	.91	.76	.58
535-20-650-10	20-650-10	20	.125"	.91	.76	.58
535-24-650-10	24-650-10	24	.125"	1.00	.84	.63
535-28-650-10	28-650-10	28	.125"	1.31	1.10	.83
535-14-650-20	14-650-20	14	.375"	.78	.65	.50
535-16-650-20	16-650-20	16	.375"	.78	.65	.50
535-24-650-20	24-650-20	24	.375"	1.19	.99	.75

UNIVERSAL ZIF TEST SOCKETS

Aries universal test sockets accept DIP devices with row-to-row pin spacing of .300" to .600". They are direct replacements for other test sockets currently on the market.

Features:

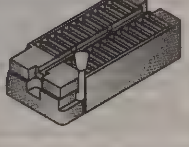
- Accepts DIP devices on .300" to .600" centers
- May be soldered directly to board or plugged into any compatible socket
- Choice of gold or tin plated contacts

Specifications:

- Body: UL94V-0 glass-filled thermoplastic
- Contacts: beryllium copper w/gold or tin over nickel
- Current rating: 1A
- Life cycles: 25,000 to 50,000 insertions

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Price Each		
			1	10	25
Tin Plated Contacts					
535-24-6554-10	24-6554-10	24	14.39	11.99	9.11
535-28-6554-10	28-6554-10	28	14.34	11.95	9.08
535-32-6554-10	32-6554-10	32	16.00	13.33	10.13
535-40-6554-10	40-6554-10	40	19.08	15.90	12.08
535-48-6554-10	48-6554-10	48	25.69	21.41	16.27
Gold Plated Contacts					
535-24-6554-11	24-6554-11	24	20.80	17.34	13.17
535-28-6554-11	28-6554-11	28	19.68	16.40	12.46
535-32-6554-11	32-6554-11	32	24.99	20.82	15.83
535-40-6554-11	40-6554-11	40	29.82	24.85	18.89
535-48-6554-11	48-6554-11	48	34.88	29.07	22.09



LO-PRO ZIF IC SOCKETS

These low profile ZIF IC sockets permit 24, 28, or 40 pin DIP devices to be inserted without bending or damaging the leads. No force is required to insert or remove the component from the socket.

Specifications:

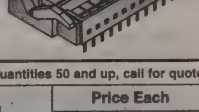
- Body: UL94V-0 glass-filled polyester thermo-plastic
- Contacts: beryllium copper with tin over nickel plating
- Current rating: 2A
- Contacts: tin plated

Features:

- CAM action compresses double sided contacts for gas tight seal
- Test point openings allow access to all pins

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Aries Part No.	No. of Pins	Price Each		
			1	10	25
535-24-526-10	24-526-10	24	8.74	7.28	5.53
535-28-526-10	28-526-10	28	9.43	7.86	5.97
535-40-526-10	40-526-10	40	11.33	9.44	7.17



DIMENSIONS (IN.)

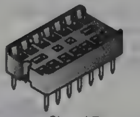
For quantities 50 and up, call for quote.

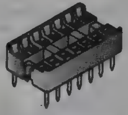
MOUSER STOCK NO.	Aries Part No.	No. of Pins	Plating	Price Each		
				1	10	25
535-28-516-10	28-516-10	28	Tin	17.52	14.60	11.10
535-40-516-10	40-516-10	40	Tin	20.14	16.79	12.76

DUAL LEAF DIP SOCKETS

- Housing: glass-filled, black UL 94V-0 rated thermoplastic
- Contact material: phosphor bronze
- Contact plating: tin or gold over nickel

E28476 LR7189


Closed Frame


Ladder Style

Closed Frame

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Pins	Body Width (In.)	Row to Row (In.)	Max Body Length (In.)	Price Each		
						1	25	100
Gold Plated Contacts								
571-26412964	2-641296-4	6	.394	.300	.295	.46	.41	.39
571-26404634	2-640463-4	8	.394	.300	.395	.61	.54	.43
571-26403574	2-640357-4	14	.394	.300	.695	.74	.62	.51
571-26403584	2-640358-4	16	.394	.300	.795	.78	.72	.51
571-26403594	2-640359-4	18	.394	.300	.895	.94	.85	.80
571-26404644	2-640464-4	20	.394	.300	.995	1.00	.90	.85
571-26403614	2-640361-4	24	.694	.600	1.195	1.78	1.60	1.51
571-26403624	2-640362-4	28	.694	.600	1.395	1.70	1.53	1.45
571-26403794	2-640379-4	40	.694	.600	1.995	1.68	1.51	1.43

Economy Ladder Style

- RoHS Compliant per Tyco Electronics Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

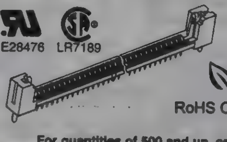
Tin Plated Contacts								
571-1-390261-1	1-390261-1	6	.394	.300	.295	.15	.13	.11
571-1-390261-2	1-390261-2	8	.394	.300	.395	.15	.13	.11
571-1-390261-3	1-390261-3	14	.394	.300	.695	.15	.13	.11
571-1-390261-4	1-390261-4	16	.394	.300	.795	.15	.13	.11
571-1-390261-5	1-390261-5	18	.394	.300	.895	.19	.17	.15
571-1-390261-6	1-390261-6	20	.394	.300	.995	.19	.16	.14
571-1-390261-8	1-390261-8	24	.394	.300	1.195	.27	.25	.21
571-1-390261-9	1-390261-9	28	.394	.300	1.395	.29	.27	.24
571-1-390262-1	1-390262-1	24	.694	.600	1.195	.27	.25	.22
571-1-390262-2	1-390262-2	28	.694	.600	1.395	.31	.29	.27
571-1-390263-2	1-390263-2	32	.694	.600	1.595	.23	.21	.20
571-1-390262-5	1-390262-5	40	.694	.600	1.995	.41	.39	.36
571-1-390262-7	1-390262-7	48	.694	.600	2.395	.55	.52	.47
Gold Plated Contacts								
571-26415994	2-641599-4	14	.394	.300	.695	.96	.86	.82
571-26416004	2-641600-4	16	.394	.300	.795	.97	.92	.86
571-26416024	2-641602-4	20	.394	.300	.995	1.58	1.27	1.09
571-26416044	2-641604-4	24	.694	.600	1.195	1.62	1.46	1.38
571-26416054	2-641605-4	28	.694	.600	1.395	1.28	1.15	1.09
571-26416064	2-641606-4	40	.694	.600	1.995	2.24	2.02	1.90

SIMM SOCKETS

Specifications:

- Housing material: liquid crystal polymer UL 94V-0
- Contact material: phosphor bronze
- Vertical Mounting, .050 Centerline
- 72 position, single row
- RoHS Compliant per Tyco Electronics Documentation

E28476 LR7189



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Contact Plating	Polarization	Price Each		
				1	25	100
* 571-5822019-4	5822019-4	Tin	Right	3.58	3.22	3.04
571-5822030-3	5822030-3	Tin	Left	3.98	3.58	3.38

* without center post

TO-3 POWER TRANSISTOR SOCKETS

- Temperature rating: 170°C max.
- Insulation resistance: 500MΩ
- Breakdown voltage: 800VRMS
- Contact resistance: 10mΩ max.
- Current rating: 10A max.
- Force: 12 oz. average retention

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Lead Dia. (In.)	Contact Plating	Price Each		
				1	25	100
506-8080-1G24	4-1437504-0	0.04	Tin	5.74	5.46	5.17
506-8080-1G25	4-1437504-1	0.04	Gold	11.78	11.20	10.61
506-8080-1G35	4-1437504-7	0.06	Tin	10.30	9.79	9.27

LOW PROFILE TRANSISTOR SOCKET

- Insulator color: Brown
- RoHS Compliant per Tyco Electronics Documentation

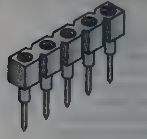
RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Type Leads	No. of Contacts	Contact/ Sleeve Plating	Price Each		
					1	25	100
506-8058-1G49	2-1437508-4	PC	8	Gold	11.32	10.76	10.19

SIP BREAK-A-WAY SOCKETS

- Gold plated contacts
- .100" grid spacing
- 10 pin strips



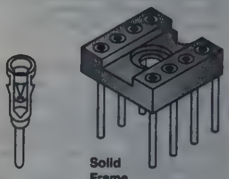
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Type	Sleeve Plating	Price Each		
				1	25	100
506-510-AG91D	2-1437535-9	PC mount	Tin	4.28	3.85	3.64
506-510-AG91F	7-1437530-7	Wirewound	Tin	5.85	5.26	4.96
506-510-AG90D	2-1437530-8	PC mount	Gold	2.84	2.70	2.56

DIP SOCKETS

With Machined Contacts, Solid Frame

Tapered entry with four-finger machined inner contact and machined outer sleeve. Contact features closed end construction eliminating any solder or flux wicking problems. Meets most severe military requirements for high shock and vibration.



- Low profile
- XY stackable
- UL rated 94V-0, thermoplastic polyester insulator
- PC Mounting

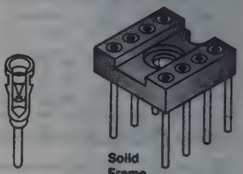
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Contacts	Pin Spacing (In.)	Price Each		
				1	25	100
Gold Plated Contact and Tin Plated Sleeve						
506-508-AG11D	7-1437529-9	8	.3 x .1	2.86	2.57	2.43
506-514-AG11D	2-1437531-0	14	.3 x .1	4.80	4.32	4.08
506-516-AG11D	1437536-5	16	.3 x .1	2.46	2.21	2.09
506-524-AG11D	4-1437536-0	24	.6 x .1	7.52	6.77	6.63
Gold Plated Contact and Sleeve						
506-508-AG10D	7-1437529-5	8	.3 x .1	2.14	1.93	1.82
506-514-AG10D	1-1437531-7	14	.3 x .1	3.78	3.40	3.21

ECONOMY IC SOCKETS

Economy series DIP IC sockets with stamped and rolled contacts. Contacts have tapered entry ensuring proper targeting for automatic and manual IC loading. Sockets also feature four fingered beryllium copper inner contacts.

- Gold contact, tin sleeve
- PC Mounting



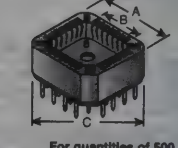
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Contacts	Pin Spacing (In.)	Price Each		
				1	25	100
Solid Frame						
506-508AG11D-ES	1-1437535-4	8	.3 x .1	1.04	.94	.88
506-514AG11D-ES	9-1437535-3	14	.3 x .1	1.14	1.03	.97
506-516AG11D-ES	1437536-6	16	.3 x .1	1.18	1.06	1.00
506-518AG11D-ES	1-1437536-5	18	.3 x .1	3.02	2.88	2.59
506-520AG11D-ES	2-1437536-6	20	.3 x .1	1.42	1.28	1.21
506-528AG11D-ES	5-1437536-6	28	.6 x .1	2.42	2.18	2.06
506-540AG11D-ES	7-1437536-5	40	.6 x .1	5.44	5.35	4.61

PLCC SOCKETS

Specifications:

- Thru-Hole, Economy
- Housing material: UL94V-O thermoplastic
- Contact material: phosphor bronze
- Contact plating: Tin-lead over Nickel
- RoHS Compliant per Tyco Electronics Documentation



RoHS Compliant

Sockets

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	No. of Pins	Dimensions (In.)			Price Each		
			A	B	C	1	25	100
571-1-822473-2	1-822473-2	28	0.713	0.300	0.815	.98	.88	.83
571-1-822473-4	1-822473-4	44	0.913	0.500	1.090	1.16	1.04	.99
571-1-822473-5	1-822473-5	52	1.010	0.600	1.240	1.40	1.33	1.07
571-1-822473-7	1-822473-7	84	1.410	1.000	1.820	1.64	1.60	1.30

Extraction Tool

MOUSER STOCK NO.	Tyco Electronics Part No.	Price Each	
		1	5
571-822154-1	822154-1	2.46	2.22

Extraction Tool

PLCC Sockets

FCI PLCC SOCKETS - SURFACE MOUNT

Features:
- Standard JEDEC (type A) mounting pad
- Low profile: .175" (4.45)
- Hi-temp: IR reflow compatible plastic
- Polarization indicators assure positive chip carrier orientation
- Center pad for pick and place
- RoHS Compliant per FCI documentation

Specifications:
- Operating temperature: -50°C ~ 125°C
- Current rating: 1A
- Insulation resistance: 10,000MΩ
- Contact resistance: 20mΩ
- Contact material: Phosphor bronze alloy
- Contact plating: 150µ" tin, 40µ" nickel (min.)
- Capacitance: 1.0pF max.
- Withstanding voltage: 600V

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Contacts	Contact Plating	Dimensions In.					Price Each		
					A	B	C	D	E	1	25	100
649-69802-120LF	69802-120LF	A	20	.600	.200	.600	.200	.334	.133	.96	.87	.83
649-69802-128LF	69802-128LF	A	28	.700	.300	.700	.300	.434	.133	.96	.87	.83
649-69802-132LF	69802-132LF	A	32	.700	.300	.700	.300	.434	.133	.75	.68	.65
649-69802-144LF	69802-144LF	A	44	.900	.500	.900	.500	.634	.133	1.26	1.15	1.09
649-69802-152LF	69802-152LF	A	52	1.000	.600	1.000	.600	.734	.133	1.83	1.67	1.58
649-69802-168LF	69802-168LF	A	68	1.213	.800	1.213	.800	.934	.140	1.91	1.74	1.65
649-69802-184LF	69802-184LF	A	84	1.413	1.000	1.413	1.000	1.134	.140	2.07	1.88	1.79

FCI PLCC SOCKETS - THRU-HOLE

Features:
- Standard JEDEC (type A) mounting pad
- Low profile: .310" (7.87)
- Hi-temp: IR reflow compatible plastic
- Polarization indicators assure positive chip carrier orientation
- Center pad for pick and place
- RoHS Compliant per FCI documentation

Specifications:
- Operating temperature: -50°C ~ 125°C
- Current rating: 1A
- Insulation resistance: 10,000MΩ
- Contact resistance: 30mΩ
- Contact material: Phosphor bronze alloy
- Contact plating: 150µ" tin, 40µ" nickel (min.)
- Capacitance: 1.0 pF max.
- Withstanding voltage: 600V

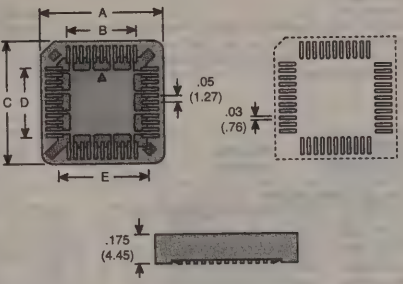
RoHS Compliant

For quantities of 500 and up, call for quote.

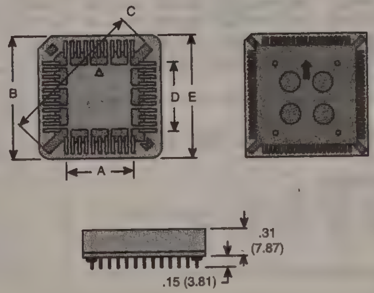
MOUSER STOCK NO.	FCI Part No.	Fig.	No. of Contacts	Contact Plating	Dimensions In.					Price Each		
					A	B	C	D	E	1	25	100
649-54020-20030LF	54020-20030LF	B	20	Tin	.200	.613	.720	.200	.613	1.24	1.13	1.07
649-54020-28030LF	54020-28030LF	B	28	Tin	.300	.713	.861	.300	.713	1.24	1.13	1.07
649-54020-32030LF	54020-320300LF	B	32	Tin	.300	.700	.941	.300	.700	1.20	1.09	1.04
649-54020-44030LF	54020-44030LF	B	44	Tin	.500	.913	1.144	.500	.913	1.34	1.22	1.16
649-54020-52030LF	54020-52030LF	B	52	Tin	.600	1.060	1.303	.600	1.060	1.67	1.52	1.44
649-54020-68030LF	54020-68030LF	B	68	Tin	.800	1.217	1.575	.800	1.217	1.89	1.72	1.64
649-54020-84030LF	54020-84030LF	B	84	Tin	1.000	1.417	1.858	1.000	1.417	2.05	1.87	1.77

DIMENSIONS: In. (mm)

A



B



KOBICONN PLCC SOCKETS

Features:
- Accepts JEDEC type A chips
- Polarization indicator to assure positive chip carrier alignment
- Low profile

Specifications:
- Contact resistance: 30mΩ max. @ 100mA DC
- Insulator resistance: 1000MΩ min. @ 500VDC
- Current rating: 1A
- Voltage rating: 500VAC for 1 minute
- Operating temp.: -55°C ~ 105°C
- Contact material: Tin/gold plated phosphor bronze
- Housing material: PPS and 40% glass fiber

Thru-Hole

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Contacts	Contact Plating	Dimensions: In.					Price Each			
				A	B	C	D	E	1	25	100	500
151-1529	A	28	Gold	.71	.71	.80	.30	.30	1.22	.82	.74	.68
151-1533	A	32	Gold	.71	.81	.88	.30	.40	1.88	1.45	1.32	1.20
151-1545	A	44	Gold	.93	.93	1.09	.50	.50	1.65	1.27	1.15	1.05
151-1553	A	52	Gold	1.02	1.02	1.24	.60	.60	1.88	1.45	1.32	1.20
151-1569	A	68	Gold	1.22	1.22	1.50	.80	.80	2.12	1.63	1.48	1.35
151-1585	A	84	Gold	1.42	1.42	1.80	1.00	1.00	2.40	1.85	1.68	1.53

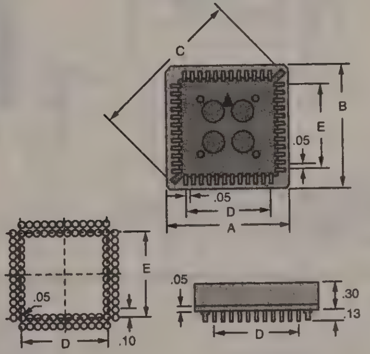
SMT

For quantities of 1,000 and up, call for quote.

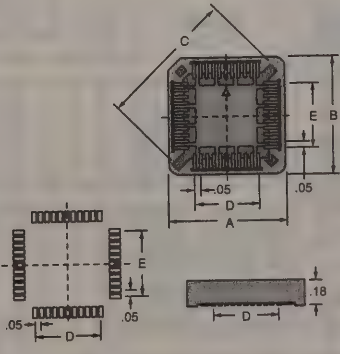
MOUSER STOCK NO.	Fig.	No. of Contacts	Contact Plating	Dimensions: In.					Price Each			
				A	B	C	D	E	1	50	100	500
151-1522	B	20	Tin	.61	.61	.63	.20	.20	.77	.51	.47	.43
151-1530	B	28	Tin	.71	.71	.77	.30	.30	.62	.47	.43	.39
151-1534	B	32	Tin	.71	.81	.88	.30	.40	.68	.48	.44	.40
151-1546	B	44	Tin	.93	.93	1.09	.50	.50	.94	.73	.66	.60
151-1554	B	52	Tin	1.02	1.02	1.22	.60	.60	1.04	.80	.73	.66
151-1570	B	68	Tin	1.25	1.25	1.50	.80	.80	1.13	.87	.79	.72
151-1586	B	84	Tin	1.42	1.42	1.76	1.00	1.00	1.16	.89	.81	.74

DIMENSIONS: In.

A



B



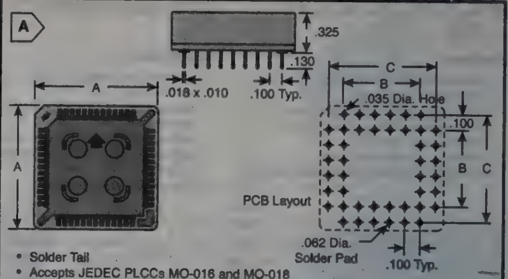
MILL-MAX PLCC Sockets

STANDARD PLCC SOCKETS

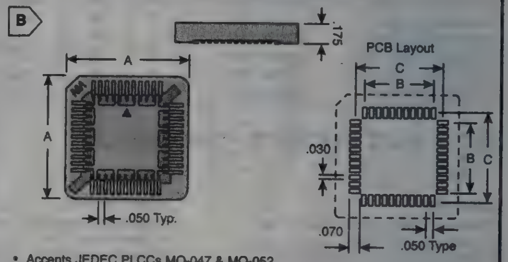
RoHS Compliant

Specifications:

- Contacts: 150µ" Tin
- Insulator: PPS Polyphenylene Sulfide, Rated UL94V-0
- Current rating: Thru-hole type 1A, SMD type 1A
- Shell Plating: 200µ" (matte finish) over 100µ" Nickel
- Inner Contact Planting: 100µ" (matte finish) over 50µ" Nickel
- Operating Temp: -55° to +105° C
- Contact Pressure: 150 grams min.
- Capacitance: 1pF max.



- Solder Tail
- Accepts JEDEC PLCCs MO-016 and MO-018
- Standoffs provide clearance for heat dissipation and cleaning.



- Accepts JEDEC PLCCs MO-047 & MO-052
- Low profile
- Standoffs provide clearance for heat dissipation and cleaning.

DIMENSIONS: in.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Pins	Fig.	Dimensions: in.			Price Each				
				A	B	C	1	10	100	500	1000
Through Board Mount											
575-202444	940-44-020-24-000000	20	A	.613	.200	.400	1.15	.97	.79	.60	.56
575-942824	940-44-028-24-000000	28	A	.713	.300	.500	1.15	.97	.80	.60	.57
575-943224*	940-44-032-24-000000	32	A	.813/.713	.400/.300	.600/.500	1.15	.97	.80	.60	.57
575-944424	940-44-044-24-000000	44	A	.913	.500	.700	1.15	.97	.80	.60	.57
575-945224	940-44-052-24-000000	52	A	1.013	.600	.800	1.22	1.03	.85	.64	.60
575-682444	940-44-068-24-000000	68	A	1.213	.800	1.000	1.48	1.25	1.02	.77	.73
575-948424	940-44-084-24-000000	84	A	1.413	1.000	1.200	1.63	1.38	1.13	.86	.80
Surface Mount											
575-942017	940-44-020-17-400000	20	B	.613	.200	.334	1.12	.95	.78	.59	.55
575-942817	940-44-028-17-400000	28	B	.713	.300	.434	1.16	.98	.80	.61	.57
575-943217*	940-44-032-17-400000	32	B	.813/.713	.400/.300	.534/.434	1.02	.86	.70	.53	.50
575-944417	940-44-044-17-400000	44	B	.900	.500	.634	1.25	1.06	.86	.65	.61
575-945217	940-44-052-17-400000	52	B	1.013	.600	.734	1.35	1.14	.94	.71	.67
575-946817	940-44-068-17-400000	68	B	1.213	.800	1.000	1.70	1.44	1.17	.89	.84
575-948417	940-44-084-17-400000	84	B	1.413	1.000	1.200	1.87	1.58	1.29	.98	.92

* Rectangular

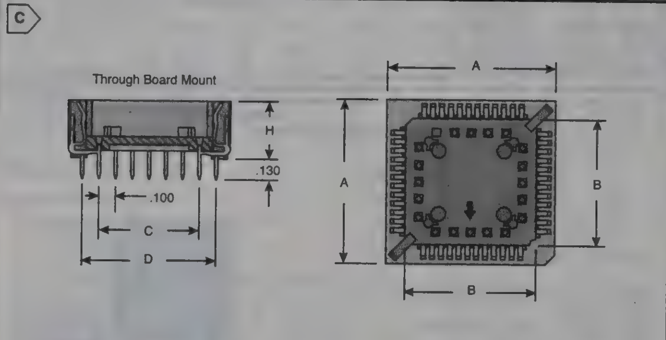
COMPACT PLCC SOCKETS

Specifications:

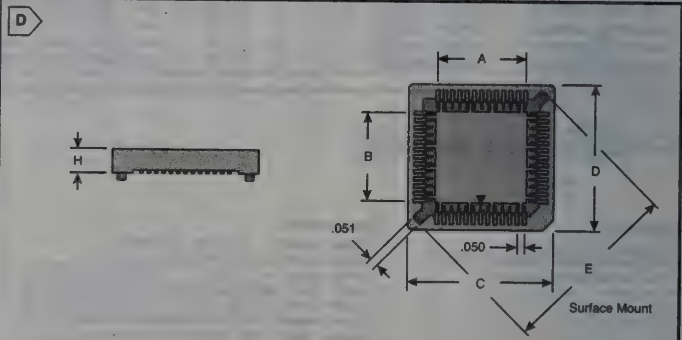
- Contacts: Plated copper alloy
- Insulator: (Brown) PPS Ryton R-4 Rated UL 94V-0
- Current rating: Thru-hole type 2A, SMD type 1A
- Operating Temp: -55° to +125° C
- Contact Pressure: 150 grams min.
- Capacitance: 2pF max.

RoHS Compliant

DIMENSIONS: in.



- End stackable
- Accepts JEDEC Type MS-016 and MS-018
- Body has polarizing features for both substrate and socket insertion
- High reliable contacts



- End stackable
- Accepts JEDEC type devices
- Open frame design in solder area improves IR soldering and inspection

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Pins	Fig.	Dimensions: in.						Price Each				
				A	B	C	D	E	H	1	10	100	500	1000
Through Board Mount														
575-542824	540-44-028-24-000000	28	C	.690	.460	.300	.500	-----	.358	2.16	1.94	1.73	1.51	1.38
575-543224 *	540-44-032-24-000000	32	C	.783/ .683	.564/ .464	.400/ .300	.600/ .500	-----	.358	2.16	1.95	1.73	1.51	1.38
575-544424	540-44-044-24-000000	44	C	.890	.660	.500	.700	-----	.358	2.48	2.23	1.98	1.73	1.59
575-545224	540-44-052-24-000000	52	C	.990	.760	.600	.800	-----	.358	2.72	2.45	2.18	1.90	1.74
575-546824	540-44-068-24-000000	68	C	1.190	.960	.800	1.000	-----	.358	2.91	2.61	2.32	2.03	1.86
575-548424	540-44-084-24-000000	84	C	1.390	1.160	1.000	1.200	-----	.358	3.47	3.13	2.78	2.43	2.22
Surface Mount														
575-542017	540-44-020-17-400000	20	D	.200	.200	.585	.585	.657	.180	2.24	2.02	1.79	1.57	1.44
575-542817	540-44-028-17-400000	28	D	.300	.300	.685	.685	.799	.180	2.35	2.12	1.88	1.65	1.51
575-543217 *	540-44-032-17-400000	32	D	.300	.400	.650	.766	.885	.168	1.53	1.38	1.22	1.07	.98
575-544417	540-44-044-17-400000	44	D	.500	.500	.885	.885	1.082	.180	1.93	1.74	1.55	1.35	1.24
575-545217	540-44-052-17-400000	52	D	.600	.600	1.000	1.000	1.224	.180	2.81	2.53	2.25	1.97	1.80
575-546817	540-44-068-17-400000	68	D	.800	.800	1.202	1.202	1.507	.180	2.89	2.60	2.31	2.02	1.85
575-548417	540-44-084-17-400000	84	D	1.000	1.000	1.400	1.400	1.791	.180	3.56	3.20	2.84	2.49	2.28

* Rectangular

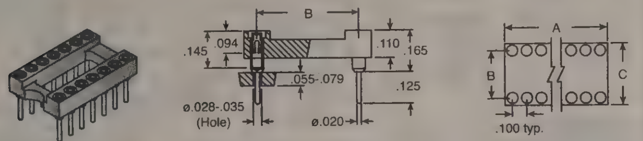
MILL-MAX DIP IC Sockets

STANDARD LOW PROFILE IC SOCKETS

WITH SCREW MACHINED SLEEVES

Features open frame design which leaves space beneath the IC for improved heat dissipation and easier PCB cleaning and inspection. 4 finger inner contact is stamped beryllium copper, press fitted into a precision, machined, brass receptacle sleeve.

DIMENSIONS: in.



Tin Sleeve, Tin Contact

- Sleeve: 200μ" tin
- Contact: 200μ" tin

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.)			Price Each			
			A	B	C	1	10	100	500
RoHS Compliant									
575-144308	110-44-308-41-001000	8	.4	.3	.4	.50	.41	.33	.29
575-11044314	110-44-314-41-001000	14	.7	.3	.4	.61	.58	.43	.38
575-11044316	110-44-316-41-001000	16	.8	.3	.4	.69	.66	.49	.42
575-11044318	110-44-318-41-001000	18	.9	.3	.4	.78	.74	.56	.48
575-11044320	110-44-320-41-001000	20	1.0	.3	.4	.86	.82	.61	.53
575-11044324	110-44-324-41-001000	24	1.2	.3	.4	1.04	.98	.73	.64
575-11044624	110-44-624-41-001000	24	1.2	.6	.7	1.04	.98	.73	.64
575-11044328	110-44-328-41-001000	28	1.4	.3	.4	1.21	1.15	.85	.74
575-11044628	110-44-628-41-001000	28	1.4	.6	.7	1.21	1.15	.85	.74
575-1144632	110-44-632-41-001000	32	1.6	.6	.7	1.38	1.31	.97	.85
575-11044640	110-44-640-41-001000	40	2.0	.6	.7	1.72	1.64	1.21	1.06
Non-RoHS Compliant									
575-199308	110-99-308-41-001000	8	.4	.3	.4	.39	.38	.27	.24
575-199314	110-99-314-41-001000	14	.7	.3	.4	.69	.65	.49	.42
575-199316	110-99-316-41-001000	16	.8	.3	.4	.78	.75	.55	.48
575-199318	110-99-318-41-001000	18	.9	.3	.4	.87	.84	.62	.54
575-199320	110-99-320-41-001000	20	1.0	.3	.4	.98	.92	.69	.60
575-199324	110-99-324-41-001000	24	1.2	.3	.4	1.17	1.11	.82	.72
575-199328	110-99-328-41-001000	28	1.4	.3	.4	1.36	1.30	.96	.84
575-199624	110-99-624-41-001000	24	1.2	.6	.7	1.17	1.11	.82	.72
575-199628	110-99-628-41-001000	28	1.4	.6	.7	1.36	1.30	.96	.84
575-199632	110-99-632-41-001000	32	1.6	.6	.7	1.56	1.49	1.10	.96
575-199640	110-99-640-41-001000	40	2.0	.6	.7	1.95	1.86	1.37	1.20

Tin Sleeve, Gold Contact

- Sleeve: 200μ" tin
- Contact: 30μ" gold

RoHS Compliant									
575-11043308	110-43-308-41-001000	8	.4	.3	.4	.48	.46	.35	.30
575-143314	110-43-314-41-001000	14	.7	.3	.4	.91	.88	.65	.57
575-110433161	110-43-316-41-001000	16	.8	.3	.4	.92	.88	.65	.57
575-11043318	110-43-318-41-001000	18	.9	.3	.4	1.04	.98	.73	.64
575-11043320	110-43-320-41-001000	20	1.0	.3	.4	1.15	1.09	.82	.71
575-11043422	110-43-422-41-001000	22	1.1	.4	.5	1.26	1.20	.90	.77
575-11043324	110-43-324-41-001000	24	1.2	.3	.4	1.38	1.31	.97	.85
575-11043624	110-43-624-41-001000	24	1.2	.6	.7	1.38	1.31	.97	.85
575-11043328	110-43-328-41-001000	28	1.4	.3	.4	1.61	1.53	1.14	1.00
575-11043628	110-43-628-41-001000	28	1.4	.6	.7	1.61	1.53	1.14	1.00
575-11043632	110-43-632-41-001000	32	1.6	.6	.7	2.09	1.99	1.47	1.30
575-11043640	110-43-640-41-001000	40	2.0	.6	.7	2.29	2.18	1.62	1.41
575-11043648	110-43-648-41-001000	48	2.4	.6	.7	2.76	2.62	1.95	1.70
575-11043964	110-43-964-41-001000	64	3.2	.9	1.0	3.67	3.49	2.60	2.26
Non-RoHS Compliant									
575-193308	110-93-308-41-001000	8	.4	.3	.4	.51	.49	.37	.32
575-193314	110-93-314-41-001000	14	.7	.3	.4	.87	.82	.62	.53
575-193316	110-93-316-41-001000	16	.8	.3	.4	.98	.94	.70	.60
575-193318	110-93-318-41-001000	18	.9	.3	.4	1.11	1.06	.78	.69
575-193320	110-93-320-41-001000	20	1.0	.3	.4	1.24	1.17	.88	.76
575-193324	110-93-324-41-001000	24	1.2	.3	.4	1.49	1.41	1.04	.92
575-193328	110-93-328-41-001000	28	1.4	.3	.4	1.73	1.65	1.22	1.07
575-193422	110-93-422-41-001000	22	1.1	.4	.5	1.35	1.30	.96	.83
575-193624	110-93-624-41-001000	24	1.2	.6	.7	1.49	1.41	1.04	.92
575-193628	110-93-628-41-001000	28	1.4	.6	.7	1.73	1.65	1.22	1.07
575-193632	110-93-632-41-001000	32	1.6	.6	.7	1.34	1.16	1.09	1.03
575-193640	110-93-640-41-001000	40	2.0	.6	.7	2.47	2.34	1.75	1.52
575-193648	110-93-648-41-001000	48	2.4	.6	.7	2.97	2.83	2.10	1.83
575-193964	110-93-964-41-001000	64	3.2	.9	1.0	3.95	3.77	2.80	2.43

Gold Sleeve, Gold Contact

- Sleeve: 10μ" gold
- Contact: 30μ" gold

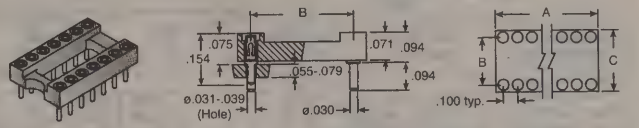
Non-RoHS Compliant									
575-113308	110-13-308-41-001000	8	.4	.3	.4	.65	.62	.46	.40
575-113314	110-13-314-41-001000	14	.7	.3	.4	1.14	1.09	.80	.70
575-113316	110-13-316-41-001000	16	.8	.3	.4	1.30	1.24	.92	.80
575-113318	110-13-318-41-001000	18	.9	.3	.4	1.47	1.39	1.04	.90
575-113320	110-13-320-41-001000	20	1.0	.3	.4	1.63	1.55	1.15	1.00
575-113324	110-13-324-41-001000	24	1.2	.3	.4	1.95	1.85	1.38	1.20
575-113328	110-13-328-41-001000	28	1.4	.3	.4	2.28	2.17	1.61	1.40
575-113624	110-13-624-41-001000	24	1.2	.6	.7	1.95	1.85	1.38	1.20
575-113628	110-13-628-41-001000	28	1.4	.6	.7	2.28	2.17	1.61	1.40
575-113632	110-13-632-41-001000	32	1.6	.6	.7	2.60	2.48	1.84	1.61
575-113640	110-13-640-41-001000	40	2.0	.6	.7	3.25	3.10	2.30	2.00

ULTRA LOW PROFILE IC SOCKETS

WITH SCREW MACHINED SLEEVES

Socket height is .095" above the printed circuit board. It has all the features of the standard low profile series including open frame design, for maximum heat dissipation and easier cleaning. 4 finger stamped beryllium copper inner contact, press fitted into a precision machined brass receptacle sleeve.

DIMENSIONS: in.



- Sleeve: 200μ" tin
- Contact: 30μ" gold

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.)			Price Each			
			A	B	C	1	10	100	500
RoHS Compliant									
575-343308	115-43-308-41-003000	8	.4	.3	.4	.93	.89	.66	.57
575-115433143	115-43-314-41-003000	14	.7	.3	.4	1.50	1.43	1.06	.93
575-115433163	115-43-316-41-003000	16	.8	.3	.4	1.69	1.62	1.20	1.04
575-115433183	115-43-318-41-003000	18	.9	.3	.4	1.90	1.82	1.35	1.17
575-115433203	115-43-320-41-003000	20	1.0	.3	.4	2.03	1.94	1.44	1.25
575-115433243	115-43-324-41-003000	24	1.2	.3	.4	2.42	2.30	1.71	1.49
575-115436243	115-43-624-41-003000	24	1.2	.6	.7	2.42	2.30	1.71	1.49
575-11532803	115-43-328-41-003000	28	1.4	.3	.4	2.80	2.67	1.98	1.72
575-115436283	115-43-628-41-003000	28	1.4	.6	.7	2.80	2.67	1.98	1.72
575-115436323	115-43-632-41-003000	32	1.6	.6	.7	3.18	3.04	2.25	1.96
575-115436403	115-43-640-41-003000	40	2.0	.6	.7	3.95	3.77	2.80	2.44
Non-RoHS Compliant									
575-393308	115-93-308-41-003000	8	.4	.3	.4	.79	.76	.56	.49
575-393314	115-93-314-41-003000	14	.7	.3	.4	1.34	1.27	.95	.83
575-393316	115-93-316-41-003000	16	.8	.3	.4	1.52	1.45	1.07	.93
575-393318	115-93-318-41-003000	18	.9	.3	.4	1.72	1.64	1.22	1.05
575-393320	115-93-320-41-003000	20	1.0	.3	.4	1.84	1.76	1.30	1.13
575-393324	115-93-324-41-003000	24	1.2	.3	.4	2.31	2.20	1.63	1.42
575-393328	115-93-328-41-003000	28	1.4	.3	.4	2.57	2.46	1.82	1.59
575-393422	115-93-422-41-003000	22	1.1	.4	.5	2.13	2.02	1.50	1.31
575-393424	115-93-424-41-003000	24	1.2	.4	.5	2.30	2.20	1.63	1.42
575-393624	115-93-624-41-003000	24	1.2	.6	.7	2.20	2.10	1.56	1.36
575-393628	115-93-628-41-003000	28	1.4	.6	.7	2.57	2.46	1.82	1.59
575-393632	115-93-632-41-003000	32	1.6	.6	.7	3.04	2.90	2.15	1.87
575-393640	115-93-640-41-003000	40	2.0	.6	.7	3.68	3.51	2.60	2.27

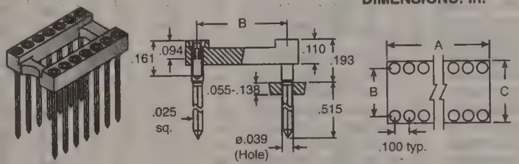
3-LEVEL WIRE WRAP IC SOCKETS

WITH SCREW MACHINED SLEEVES

Socket has .515" terminal lengths for 3 level, solderless,wire wrapping. Terminals are locked into the insulator body to withstand the torques of wrapping tool. Open frame design for easier PCB cleaning and maximum heat dissipation. Features a 4 finger inner contact of beryllium copper, press fit into a precision machined brass receptacle sleeve.

- Sleeve: 200μ" tin
- Contact: 30μ" gold

DIMENSIONS: in.



Tin Sleeve, Gold Contact

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.)			Price Each			
			A	B	C	1	10	100	500
RoHS Compliant									
575-12343308	123-43-308-41-001000	8	.4	.3	.4	1.79	1.71	1.27	1.11
575-12343314	123-43-314-41-001000	14	.7	.3	.4	2.85	2.71	2.01	1.76
575-12343316	123-43-316-41-001000	16	.8	.3	.4	3.20	3.05	2.27	1.98
575-12343318	123-43-318-41-001000	18	.9	.3	.4	3.55	3.39	2.52	2.18
575-12343320	123-43-320-41-001000	20	1.0	.3	.4	3.76	3.58	2.65	2.31
575-12343324	123-43-324-41-001000	24	1.2	.3	.4	4.42	4.23	3.13	2.72
575-12343328	123-43-328-41-001000	28	1.4	.3	.4	5.11	4.87	3.61	3.15
575-12343628	123-43-628-41-001000	28	1.4	.6	.7	5.11	4.87	3.61	3.15
575-9362441	123-43-624-41-801000	24	1.2	.6	.7	6.96	6.03	4.87	4.18
575-12343640	123-43-640-41-001000	40	2.0	.6	.7	6.84	6.53	4.85	4.21
Non-RoHS Compliant									
575-293308	123-93-308-41-001000	8	.4	.3	.4	1.34	1.28	.95	.83
575-293314	123-93-314-41-001000	14	.7	.3	.4	2.36	2.25	1.66	1.45
575-293316	123-93-316-41-001000	16	.8	.3	.4	2.69	2.57	1.91	1.66
575-293318	123-93-318-41-001000	18	.9	.3	.4	3.02	2.89	2.14	1.86
575-293320	123-93-320-41-001000	20	1.0	.3	.4	3.23	3.08	2.28	1.99
575-293324	123-93-324-41-001000	24	1.2	.3	.4	4.26	4.07	3.01	2.62
575-293328	123-93-328-41-001000	28	1.4	.3	.4	4.92	4.69	3.47	3.03
575-593624	123-93-624-41-801000	24	1.2	.6	.7	6.53	5.44	4.35	3.92
575-293628	123-93-628-41-001000	28	1.4	.6	.7	4.92	4.69	3.47	3.03
575-293640	123-93-640-41-001000	40	2.0	.6	.7	6.19	5.91	4.38	3.80

Gold Sleeve, Gold Contact

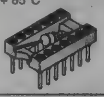
- Sleeve: 10μ" gold
- Contact: 30μ" gold

575-213308	123-13-308-41-001000	8	.4	.3	.4	1.79	1.70	1.26	1.10
575-213314	123-13-314-41-001000	14	.7	.3	.4	3.11	2.97	2.20	1.91
575-213316	123-13-316-41-001000	16	.8	.3	.4	3.55	3.39	2.51	2.19

IC SOCKETS WITH INTEGRAL DECOUPLING CAPACITOR

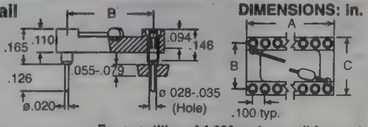
Tin Sleeve, Gold Contact, Solder Tail

- Capacitor: .1μF 20%-50V
- Temperature range: -25°C to + 85°C
- Sleeve: 200μ" tin
- Contact: 30μ" gold



Solder Tail

DIMENSIONS: in.



For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.)			Price Each			
			A	B	C	1	10	100	500
RoHS Compliant									
575-110433148	110-43-314-41-801000	14	.7	.3	.4	3.00	2.87	2.13	1.86
575-110433168	110-43-316-41-801000	16	.8	.3	.4	3.62	3.46	2.57	2.23
575-110433208	110-43-320-41-801000	20	1	.3	.4	3.94	3.76	2.79	2.43
575-110436248	110-43-624-41-801000	24	1.2	.6	.7	4.85	4.62	3.43	2.99
575-110436288	110-43-628-41-801000	28	1.4	.6	.7	5.24	5.00	3.71	3.23
Non-RoHS Compliant									
575-493314	110-93-314-41-801000	14	.7	.3	.4	2.79	2.67	1.98	1.73
575-493316	110-93-316-41-801000	16	.8	.3	.4	3.00	2.87	2.12	1.85
575-493318	110-93-318-41-801000	18	.9	.3	.4	3.61	3.43	2.56	2.22
575-493320	110-93-320-41-801000	20	1.0	.3	.4	3.28	3.12	2.32	2.02
575-493324	110-93-324-41-801000	24	1.2	.3	.4	3.74	3.56	2.65	2.30
575-493624	110-93-624-41-801000	24	1.2	.6	.7	4.52	4.31	3.19	2.79
575-493628	110-93-628-41-801000	28	1.4	.6	.7	4.46	4.26	3.16	2.75
575-493640	110-93-640-41-801000	40	2.0	.6	.7	5.61	5.34	3.97	3.44

Gold Sleeve, Gold Contact, Solder Tail

- Sleeve: 10μ" gold
- Contact: 30μ" gold

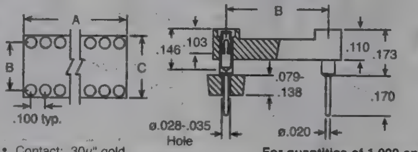
MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	A	B	C	1	10	100	500
575-413314	110-13-314-41-801000	14	.7	.3	.4	3.31	3.16	2.34	2.04
575-413316	110-13-316-41-801000	16	.8	.3	.4	4.01	3.83	2.84	2.47
575-413318	110-13-318-41-801000	18	.9	.3	.4	4.26	4.07	3.01	2.63
575-413320	110-13-320-41-801000	20	1.0	.3	.4	2.40	2.02	1.82	1.74
575-413324	110-13-324-41-801000	24	1.2	.3	.4	5.02	4.79	3.55	3.10
575-413624	110-13-624-41-801000	24	1.2	.6	.7	5.41	5.15	3.83	3.32
575-413628	110-13-628-41-801000	28	1.4	.6	.6	5.85	5.58	4.14	3.60
575-413640	110-13-640-41-801000	40	2.0	.6	.7	6.80	6.48	4.81	4.19

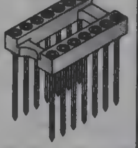
DUAL-IN-LINE SOCKETS

DIMENSIONS: in.

Long Solder Tail for Multilayer PC Boards, Open Frame

DIP sockets with increased solder tail length of .170", allowing application on multilayer PCB's up to .139" thickness. Other lengths available upon request.





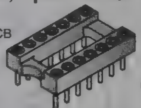
- Sleeve: 200μ" tin
- Contact: 30μ" gold

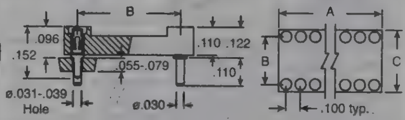
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.)			Price Each			
			A	B	C	1	10	100	500
RoHS Compliant									
575-11143308	111-43-308-41-001000	8	.4	.3	.4	.85	.81	.59	.53
575-11143314	111-43-314-41-001000	14	.7	.3	.4	1.35	1.28	.95	.84
575-11143316	111-43-316-41-001000	16	.8	.3	.4	1.52	1.46	1.08	.94
575-11143320	111-43-320-41-001000	20	1.0	.3	.4	1.82	1.73	1.29	1.12
575-11143628	111-43-628-41-001000	28	1.4	.6	.7	2.50	2.39	1.78	1.54
575-11143640	111-43-640-41-001000	40	2.0	.6	.7	3.54	3.38	2.50	2.17
Non-RoHS Compliant									
575-993308	111-93-308-41-001000	8	.4	.3	.4	.71	.68	.50	.44
575-993314	111-93-314-41-001000	14	.7	.3	.4	1.19	1.13	.84	.74
575-993316	111-93-316-41-001000	16	.8	.3	.4	1.35	1.30	.96	.83
575-993320	111-93-320-41-001000	20	1.0	.3	.4	1.74	1.65	1.23	1.07
575-993324	111-93-324-41-001000	24	1.2	.3	.4	2.07	1.97	1.46	1.27
575-993624	111-93-624-41-001000	24	1.2	.6	.7	2.07	1.97	1.46	1.27
575-993628	111-93-628-41-001000	28	1.4	.6	.7	2.39	2.28	1.70	1.47
575-993632	111-93-632-41-001000	32	1.6	.6	.7	2.72	2.59	1.92	1.67
575-993640	111-93-640-41-001000	40	2.0	.6	.7	3.37	3.22	2.39	2.07

Very Low Profile, Open Frame

- Reduced height: only .122" above PCB
- Sleeve: 200μ" tin
- Contact: 30μ" gold





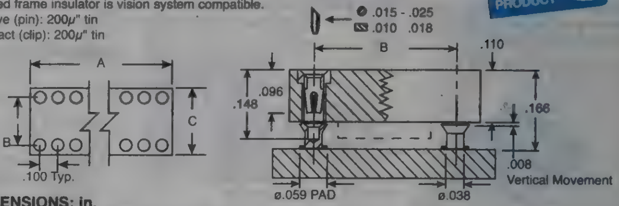
MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.)			Price Each			
			A	B	C	1	10	100	500
RoHS Compliant									
575-11543308	115-43-308-41-001000	8	.4	.3	.4	.90	.86	.64	.56
575-115433141	115-43-314-41-001000	14	.7	.3	.4	1.45	1.38	1.03	.90
575-115433161	115-43-316-41-001000	16	.8	.3	.4	1.64	1.57	1.16	1.01
575-115433181	115-43-318-41-001000	18	.9	.3	.4	1.84	1.76	1.30	1.13
575-115436241	115-43-624-41-001000	24	1.2	.6	.7	2.33	2.23	1.65	1.44
575-115436281	115-43-628-41-001000	28	1.4	.6	.7	2.70	2.58	1.92	1.67
575-115436401	115-43-640-41-001000	40	2.0	.6	.7	3.83	3.65	2.71	2.36
Non-RoHS Compliant									
575-893308	115-93-308-41-001000	8	.4	.3	.4	.77	.74	.55	.47
575-893314	115-93-314-41-001000	14	.7	.3	.4	1.30	1.23	.92	.80
575-893316	115-93-316-41-001000	16	.8	.3	.4	1.47	1.41	1.04	.90
575-893318	115-93-318-41-001000	18	.9	.3	.4	1.66	1.59	1.18	1.02
575-893320	115-93-320-41-001000	20	1.0	.3	.4	1.78	1.70	1.26	1.09
575-893324	115-93-324-41-001000	24	1.2	.3	.4	2.23	2.13	1.58	1.37
575-893328	115-93-328-41-001000	28	1.4	.3	.4	2.49	2.38	1.77	1.54
575-893624	115-93-624-41-001000	24	1.2	.6	.7	2.23	2.13	1.58	1.37
575-893628	115-93-628-41-001000	28	1.4	.6	.7	2.49	2.38	1.77	1.54
575-893632	115-93-632-41-001000	32	1.6	.6	.7	2.94	2.81	2.09	1.81
575-893640	115-93-640-41-001000	40	2.0	.6	.7	3.57	3.40	2.52	2.20

DUAL-IN-LINE SOCKETS (CONT.)

Surface Mount, Auto Placement, Stub Tail, Closed Tail

NEW PRODUCT

- Closed frame insulator is vision system compatible.
- Sleeve (pin): 200μ" tin
- Contact (clip): 200μ" tin

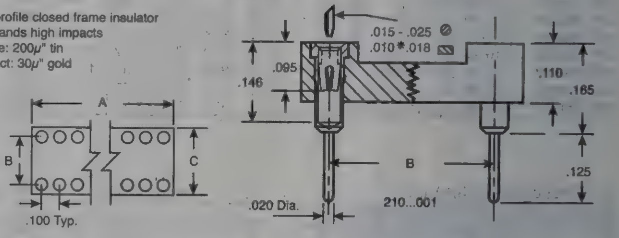


DIMENSIONS: in.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.)			Price Each			
			A	B	C	1	10	100	500
RoHS Compliant									
575-4430801	214-44-308-01-670800	8	0.4	0.3	0.4	1.08	.94	.76	.65
575-4431401	214-44-314-01-670800	14	0.7	0.3	0.4	1.62	1.41	1.14	.97
575-4431601	214-44-316-01-670800	16	0.8	0.3	0.4	1.81	1.57	1.27	1.09
575-4431801	214-44-318-01-670800	18	0.9	0.3	0.4	1.99	1.72	1.39	1.19
575-4432001	214-44-320-01-670800	20	1.0	0.3	0.4	2.09	1.81	1.47	1.26
575-4462401	214-44-624-01-670800	24	1.2	0.6	0.7	2.44	2.12	1.71	1.47
575-4462801	214-44-628-01-670800	28	1.4	0.6	0.7	2.79	2.42	1.95	1.67
575-4463201	214-44-632-01-670800	32	0.16	0.6	0.7	3.14	2.72	2.19	1.88
575-4464001	214-44-640-01-670800	40	2.0	0.6	0.7	3.69	3.20	2.58	2.21
Non-RoHS Compliant									
575-930801	214-99-308-01-670800	8	0.4	0.3	0.4	.68	.57	.45	.41
575-931401	214-99-314-01-670800	14	0.7	0.3	0.4	1.19	1.00	.80	.72
575-2149931	214-99-316-01-670800	16	0.8	0.3	0.4	1.37	1.14	.91	.82
575-931801	214-99-318-01-670800	18	0.9	0.3	0.4	1.54	1.29	1.03	.92
575-932001	214-99-320-01-670800	20	1.0	0.3	0.4	2.01	1.67	1.33	1.20
575-962401	214-99-624-01-670800	24	1.2	0.6	0.7	1.97	1.64	1.31	1.18
575-962801	214-99-628-01-670800	28	1.4	0.6	0.7	2.3	1.91	1.53	1.38
575-963201	214-99-632-01-670800	32	0.16	0.6	0.7	2.63	2.19	1.75	1.58
575-964001	214-99-640-01-670800	40	2.0	0.6	0.7	3.15	2.62	2.10	1.89

Closed Frame, Solder Tail, Low Profile

- Low profile closed frame insulator withstands high impacts
- Sleeve: 200μ" tin
- Contact: 30μ" gold



DIMENSIONS: in.

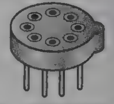
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Cont.	Dimensions (In.)			Price Each			
			A	B	C	1	10	100	500
RoHS Compliant									
575-21043380	210-43-308-41-001000	8	.4	.3	.4	.70	.68	.51	.45
575-21043314	210-43-314-41-001000	14	.7	.3	.4	1.23	1.19	.87	.76
575-21043316	210-43-316-41-001000	16	.8	.3	.4	1.41	1.34	1.00	.87
575-21043324	210-43-324-41-001000	24	1.2	.3	.4	1.80	1.72	1.27	1.11
575-21043624	210-43-624-41-001000	24	1.2	.6	.7	2.11	2.02	1.49	1.30
575-21043628	210-43-628-41-001000	28	1.4	.6	.7	2.47	2.35	1.75	1.51
575-21043632	210-43-632-41-001000	32	1.6	.6	.7	2.82	2.69	2.00	1.74
575-21043640	210-43-640-41-001000	40	2.0	.6	.7	3.52	3.35	2.48	2.17
Non-RoHS Compliant									
575-230841	210-93-308-41-001000	8	.4	.3	.4	.62	.60	.44	.39
575-231441	210-93-314-41-001000	14	.7	.3	.4	1.09	1.05	.76	.67
575-231641	210-93-316-41-001000	16	.8	.3	.4	1.24	1.19	.88	.77
575-232441	210-93-324-41-001000	24	1.2	.3	.4	1.87	1.79	1.32	1.15
575-262441	210-93-624-41-001000	24	1.2	.6	.7	1.87	1.79	1.32	1.15
575-262841	210-93-628-41-001000	28	1.4	.6	.7	2.19	2.08	1.55	1.34
575-263241	210-93-632-41-001000	32	1.6	.6	.7	2.50	2.39	1.77	1.54
575-264041	210-93-640-41-001000	40	2.0	.6	.7	3.13	2.98	2.21	1.93

TRANSISTOR SOCKETS

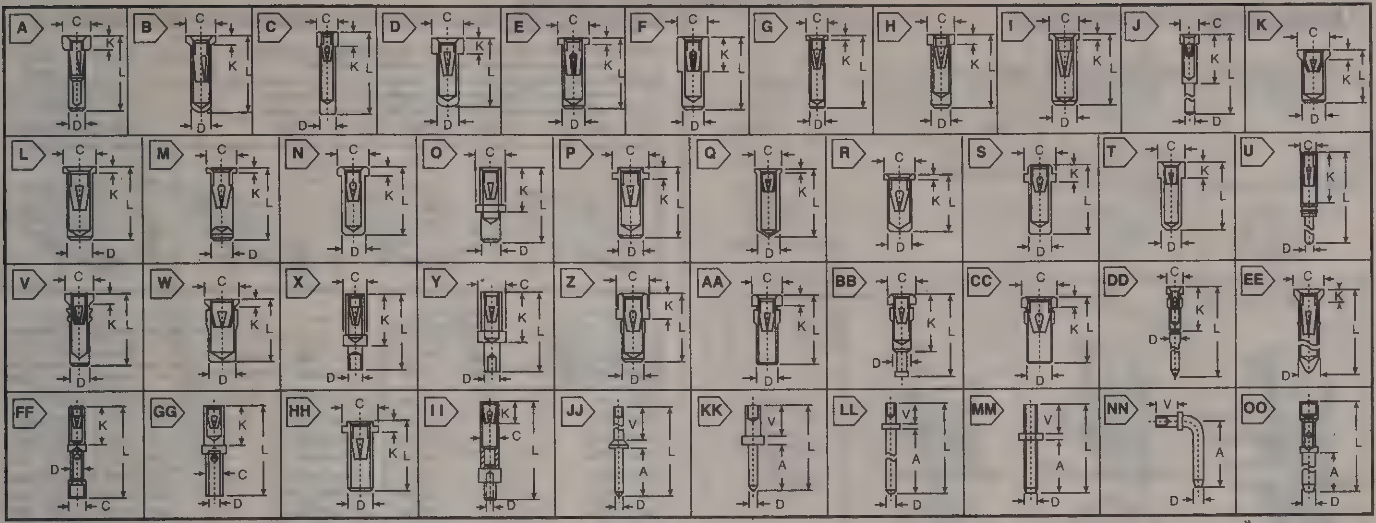
NEW PRODUCT

- Glass filled polyester UL94V0
- Current rating: 1A
- 30μ" gold plated contact clip
- Pin is tin plated brass



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	No. of Pins	Pin Centers (in.)	Case Style	Price Each			
					1	10	100	500
RoHS Compliant								
575-91743103	917-43-103-41-005000	3	.2	TO-5	1.00	.79	.72	.65
575-91743104	917-43-104-41-005000	4	.2	TO-5	.99	.83	.81	.78
575-91743108	917-43-108-41-005000	8	.2	TO-5	1.54	1.29	1.25	1.23
575-91743208	917-43-208-41-005000	8	.23	TO-100	1.54	1.29	1.25	1.23
575-4321041	917-43-210-41-005000	10	.23	T0-100	2.45	2.13	1.72	1.47
Non-RoHS Compliant								
575-93103	917-93-103-41-005000	3	.20	TO-5	.57	.45	.41	.37
575-93104	917-93-104-41-005000	4	.20	TO-5	.76	.64	.62	.60
575-93108	917-93-108-41-005000	8	.20	TO-5	1.48	1.24	1.20	1.18
575-93208	917-93-208-41-005000	8	.23	TO-100	1.48	1.24	1.20	1.18
575-93210	917-93-210-41-005000	10	.23	T0-100	2.32	1.94	1.55	1.39



INTERCONNECT COMPONENTS

MILL-MAX pin receptacles are machined, component lead sockets primarily used for the plugging and unplugging of components on pc boards.

Pin Receptacles

Specifications:

- Shell: machined brass, 200μ" tin over nickel
- Contact: multi-finger, beryllium copper, 30μ" gold over nickel

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Mounting Hole	Pin Diameter Range	Dimensions: in.				Price Each			
					C	D	K	L	1	10	100	500
PC Solder Mount												
575-054800	0548-0-15-01-11-27-10-0	A	.038	.015-.021	.058	.034	.031	.155	**.25**	**.22**	**.19**	**.17**
575-055210	0552-1-15-01-11-27-10-0	B	.043	.015-.021	.055	.038	.016	.136	**.18**	**.15**	**.12**	**.11**
575-055220	0552-2-15-01-11-27-10-0	B	.043	.015-.021	.055	.038	.016	.170	**.18**	**.15**	**.12**	**.11**
575-067700	0677-0-15-01-30-27-10-0	C	.054	.015-.025	.063	.049	.041	.248	**.40**	**.22**	**.16**	**.15**
575-055500	0555-0-15-01-30-27-10-0	D	.056	.015-.025	.072	.051	.038	.160	**.49**	**.26**	**.18**	**.17**
575-066700	0667-0-15-01-30-27-10-0	E	.060	.015-.025	.072	.055	.016	.161	**.23**	**.20**	**.12**	**.11**
575-066500	0665-0-15-01-30-27-10-0	F	.064	.015-.025	.080	.058	.088	.180	**.36**	**.19**	**.14**	**.13**
575-029500	0295-0-15-01-06-27-10-0	G	.065	.022-.032	.077	.060	.014	.259	**.49**	**.27**	**.16**	**.15**
575-029200	0292-0-15-01-06-27-10-0	H	.073	.022-.032	.093	.068	.030	.250	**.46**	**.24**	**.16**	**.14**
575-029400	0294-0-15-01-06-27-10-0	I	.078	.022-.032	.090	.073	.018	.206	**.44**	**.23**	**.15**	**.14**
575-030010	0300-1-15-01-47-27-10-0	J	.045	.025-.037	.078	.040	.210	.320	**.50**	**.27**	**.17**	**.16**
575-030020	0300-2-15-01-47-27-10-0	J	.045	.025-.037	.078	.040	.210	.397	**.74**	**.39**	**.22**	**.21**
575-033100	0331-0-15-01-18-27-10-0	K	.074	.037-.043	.090	.069	.025	.150	**.51**	**.27**	**.16**	**.15**
575-032700	0327-0-15-01-34-27-10-0	L	.077	.032-.047	.090	.072	.018	.206	**.45**	**.24**	**.15**	**.14**
575-032900	0329-0-15-01-34-27-10-0	M	.077	.032-.047	.090	.072	.018	.221	**.93**	**.49**	**.25**	**.23**
575-031700	0317-0-15-01-34-27-10-0	N	.093	.032-.047	.120	.088	.032	.253	**.55**	**.30**	**.17**	**.16**
575-032200	0322-0-15-01-34-27-10-0	O	.090	.032-.047	.125	.085	.192	.317	**.80**	**.45**	**.27**	**.25**
575-031600	0316-0-15-01-34-27-10-0	P	.090	.032-.047	.125	.085	.036	.236	**.80**	**.44**	**.23**	**.22**
575-035500	0355-0-15-01-02-27-10-0	Q	.105	.040-.050	.118	.100	.016	.290	**.59**	**.31**	**.19**	**.18**
575-036400	0364-0-15-01-13-27-10-0	R	.103	.048-.064	.120	.098	.018	.213	**.72**	**.39**	**.21**	**.20**
575-039300	0393-0-15-01-07-27-10.0	S	.147	.065-.082	.188	.142	.100	.412	**1.38**	**.88**	**.37**	**.33**
575-03900	0390-0-15-01-08-27-10-0	T	.147	.084-.102	.188	.142	.105	.465	**1.25**	**.88**	**.43**	**.38**
575-8210015	8210-0-15-15-04-27-04-0	U	.024/.027	.008-.013 &.012-.017	0.026	0.012	0.080	0.150	**1.11**	**.96**	**.78**	**.67**
Hex Press Fit												
575-027900	0279-0-15-01-47-27-10-0	V	.061	.025-.037	.078	.057	.028	.200	**.53**	**.28**	**.16**	**.15**
575-036500	0365-0-15-01-23-27-10-0	W	.104	.045-.067	.120	.098	.026	.223	**.92**	**.49**	**.25**	**.24**
PC Swage Mount .062" PCB												
575-032620	0326-2-19-01-06-27-10-0	X	.060	.022-.032	.094	.058	.200	.294	**.82**	**.44**	**.21**	**.20**
575-034420	0344-2-19-01-34-27-10-0	Y	.067	.032-.047	.125	.065	.230	.324	**.91**	**.49**	**.24**	**.23**
Knurled Press Fit or Barb Press Fit for Non-Plated Thru Holes												
575-035700	0357-0-15-01-34-27-10-0	Z	.078	.032-.047	.102	.072	.080	.220	**.64**	**.34**	**.20**	**.19**
575-036000	0360-0-15-01-34-27-10-0	AA	.089	.032-.047	.110	.080	.037	.250	**.82**	**.43**	**.24**	**.22**
575-035800	0358-0-15-01-34-27-10-0	BB	.089	.032-.047	.110	.082	.240	.343	**.82**	**.42**	**.25**	**.24**
575-036600	0366-0-15-01-13-27-10-0	CC	.108	.048-.064	.136	.102	.037	.250	**.94**	**.50**	**.26**	**.25**
575-003830	0038-3-17-01-30-27-02-0	CC	.055	.015-.025	.072	.053	.200	.700	**.24**	**.23**	**.21**	**.19**
575-0579015	0579-0-15-15-11-27-10-0	EE	.040	.015-.022	0.055	0.038	0.022	0.225	**.22**	**.19**	**.15**	**.13**
Crimp Barrel												
575-034800	0348-0-33-01-34-27-10-0	FF	- - -	.032-.047	.105	.049	.224	.530	**1.37**	**.73**	**.37**	**.32**
575-036800	0368-0-33-01-13-27-10-0	GG	- - -	.048-.064	.103	.067	.234	.530	**1.53**	**.81**	**.41**	**.36**
PC Mount Thru Hole												
575-031400	0314-0-15-01-34-27-10-0	HH	.090	.032-.047	.125	.085	.036	.236	**.57**	**.30**	**.19**	**.17**
Wire Termination												
575-87300127	8730-0-19-01-23-27-10-0	II	- - -	.045-.065	.106	.038	.108	.63	**1.17**	**1.03**	**.89**	**.80**
575-87301527	8730-0-19-15-23-27-10-0	II	- - -	.045-.065	.106	.038	.108	.63	**.82**	**.73**	**.63**	**.56**

Printed Circuit Pins

Printed circuit pins are machined, individual pins used for various plug-in applications and board to board interconnection.

RoHS Compliant

Specifications:

- Machined brass, 20μ" gold plated
- RoHS Compliant per Mill-Max documentation

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Mounting Hole	Board Thickness	Dimensions: in.				Price Each			
					D	A	V	L	1	10	100	500
PC Swage Mount												
575-311710	3117-1-00-21-00-00-08-0	JJ	.035	.031	.025	.188	.047	.260	**.32**	**.28**	**.22**	**.20**
575-311210	3112-1-00-21-00-00-08-0	KK	.043	.031	.025	.125	.051	.201	**.37**	**.33**	**.26**	**.23**
575-311720	3117-2-00-21-00-00-08-0	JJ	.035	.062	.025	.188	.078	.291	**.15**	**.13**	**.11**	**.10**
575-311220	3112-2-00-21-00-00-08-0	KK	.043	.062	.025	.125	.082	.232	**.16**	**.14**	**.13**	**.11**
575-310220	3102-2-00-21-00-00-08-0	LL	.043	.062	.040	.188	.082	.290	**.19**	**.17**	**.13**	**.12**
575-310320	3103-2-00-21-00-00-08-0	LL	.043	.062	.040	.300	.082	.402	**.23**	**.20**	**.17**	**.15**
575-322220	3222-2-00-21-00-00-08-0	MM	.043	.062	.040	.150	.082	.252	**.32**	**.29**	**.23**	**.20**
575-330120	3301-2-14-21-00-00-08-0	NN	.043	.062	.040	.257	.082	- - -	**.31**	**.28**	**.22**	**.19**
20A Crimp Barrel												
575-360110	3601-1-07-21-00-00-08-0	OO	- - -	- - -	.080	.200	- - -	.506	**1.43**	**1.36**	**1.00**	**.89**

KEYSTONE Kits, Insulators and Covers

RoHS Compliant This page of product is compliant.

KEYSTONE MOUNTING KITS

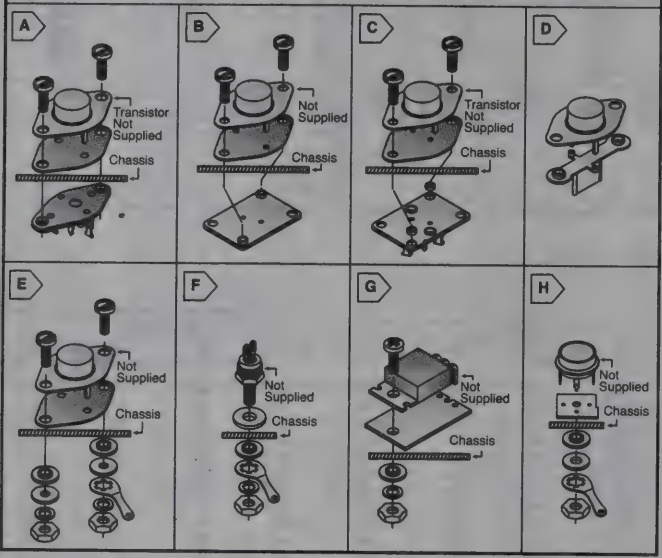
Socket mounting kits for TO-3

These pre-packed universal mounting kits provide all the necessary hardware and insulators required to securely mount transistors to the chassis.

Features:
- Labor saving
- Easier mounting to chassis
- Better thermal efficiency
- Avoids soldering directly to the transistor
- Easier to service

RoHS Compliant

Order 534-4732 for TO-3 kit   Order 534-4734 for TO-3 kit   Molded Nylon: 534-4616



RoHS Compliant

Transistor Mounting Kit With Socket

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
534-4732	A	TO-3 kit includes 2 #6-20 screws, 1 mica insulator, 1 Stock No.534-4602 transistor socket	1.78	1.50	1.35
534-4733	B	TO-3 kit includes 2 #6-20 screws, 1 mica insulator, 1 Stock No.534-4608 transistor socket	1.60	1.46	1.25
534-4734	C	TO-3 kit includes 2 #6-20 screws, 1 mica insulator, 4 nylon bushings, 1 Stock No.534-4606 transistor socket	1.91	1.60	1.46
534-4616	D	Nylon power transistor mount only for TO-3	.20	.10	.09

RoHS Compliant

Transistor Mounting Kit Without Socket

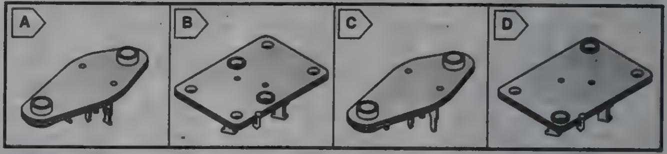
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
534-4725	E	Kit for TO-3 case includes 2 #6-32 screws, 1 mica insulator, 2 shoulder washers, 2 metal washers, 1 solder terminal, 2 lockwashers, and 2 #6-32 nuts	1.16	.98	.93
534-4726	E	Kit for TO-66 case includes 2 #6-32 screws, 1 mica insulator, 2 shoulder washers, 2 metal washers, 1 solder terminal, 2 lockwashers, and 2 #6-32 nuts	1.24	1.15	1.09
534-4728	F	Kit for Plastic case includes 2 #4-40 screws, 1 mica insulator, 2 shoulder washers, 2 metal washers, 2 lockwashers, 2 solder terminals, and 2 #4-40 nut	1.20	1.12	1.05
534-4729	F	Kit for DO-4, TO-59, TO-60 and TO-62 cases includes 1 mica insulator, 1 shoulder washer, 1 solder terminal, 1 lockwasher, and 1 #10-32 nut	1.16	.[illegible]7	.92
534-4730	F	Kit for DO-5, TO-48 and TO-61 cases includes 1 mica insulator, 1 shoulder washer, 1 solder terminal, 1 lockwasher, and 1 1/4-28 nut	1.16	.97	.92
534-4724	G	Kit for TO-220 case includes 1 #4-40 screw, 1 mica insulator, 1 shoulder washer, 1 lockwasher, and 1 #4-40 nut	1.16	.97	.92
534-4727	H	Kit for TO-36 case includes 1 mica insulator, 1 shoulder washer, 1 metal washer, 1 solder terminal, 1 #10-32 nut	1.20	1.12	1.05

KEYSTONE TO-3 POWER TRANSISTOR SOCKETS

Fig. A: These sockets are held underneath the chassis and the transistor is inserted into the socket, holding the assembly in position.
Fig. B: Pre-assembling the socket to the chassis by eyelets or rivets permits the installation of the transistor at a later stage in the assembly.
Fig. C: Easily assembled on PC board, stops on PC terminals provide sufficient spacing for proper assembly of transistor to socket.

RoHS Compliant



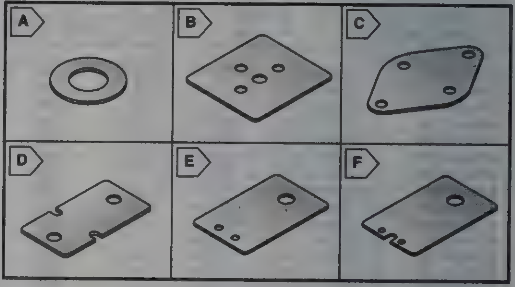
- Space savings
- Easier servicing
- Labor saving
- Simpler mounting

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Case Type	Terminal Type	Top Plate Material	Standoff Height (In.)	Price Each			
						1	10	100	500
534-4601	A	TO-3	Solder	Molded nylon	.09	1.59	1.31	1.25	1.01
534-4602	A	TO-3	Solder	Molded nylon	.045	1.57	1.31	1.18	1.05
534-4603	A	TO-3	Solder	Molded nylon	.03	1.57	1.31	1.20	1.04
534-4606	B	TO-3	Solder	Phenolic	- - -	1.26	1.07	1.03	.90
534-4600	C	TO-3	PC	Molded nylon	.09	1.41	1.18	1.07	.92
534-4607	D	TO-3	Solder	Molded nylon	- - -	1.46	1.38	1.16	.90
534-4608	D	TO-3	Solder	Molded nylon	- - -	1.42	1.30	1.11	.95
534-4609	D	TO-3	Solder	Molded nylon	- - -	1.56	1.42	1.20	.95
534-4618	D	TO-3	Solder	Molded nylon	- - -	2.14	1.28	1.09	.90

KEYSTONE TRANSISTOR MICA INSULATORS

- Rapid heat dissipation
- High dielectric strength
- Non-toxic
- Low cost
- Precision stamped .003" thick mica



RoHS Compliant

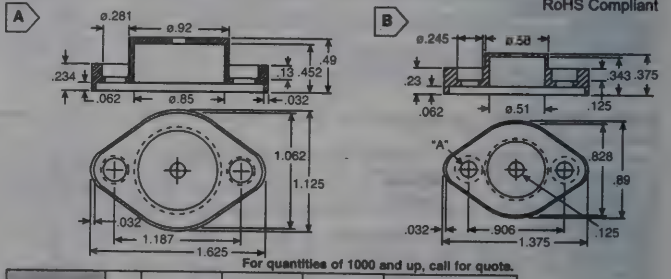
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Description	Price Each		
				1	100	500
534-4678	A	4	For use with transistor cases with threaded stud	.09	.05	.04
534-4679	A	6	For use with transistor cases with threaded stud	.10	.05	.04
534-4680	A	8	For use with transistor cases with threaded stud	.14	.07	.06
534-4681	A	10	For use with transistor cases with threaded stud	.10	.05	.04
534-4682	A	1/4	For use with transistor cases with threaded stud	.10	.05	.04
534-4683	A	5/16	For use with transistor cases with threaded stud	.14	.07	.06
534-4656	B	- - -	For use with TO-36 transistor case	.20	.10	.08
534-4636	C	- - -	For use with TO-3 transistor case	.14	.07	.06
534-4651	C	- - -	For use with TO-3 transistor case	.14	.07	.06
534-4663	D	- - -	For use with plastic transistor case	.14	.07	.06
534-4671	E	- - -	For use with plastic transistor case	.14	.07	.06
534-4672	F	- - -	For use with plastic transistor case	.12	.06	.05
534-4673	F	- - -	For use with plastic transistor case	.14	.07	.04

KEYSTONE POWER TRANSISTOR COVERS

Molded nylon covers easily mount over and insulate the power transistor.
Will withstand temperatures to approx. 300° F

RoHS Compliant

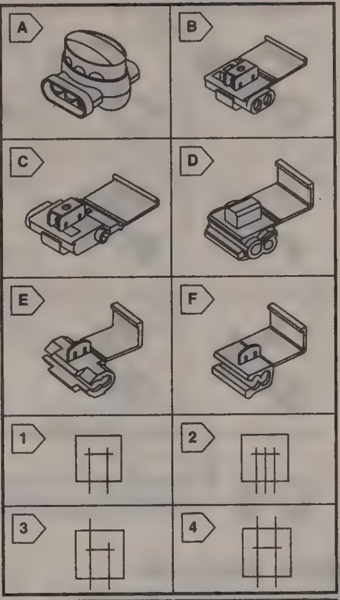


For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Case Type	I.D. "A"	Eyelets Installed	Price Each		
					1	100	500
534-4632	A	TO-3	None	0.21	.28	.14	.12
534-4634	A	TO-3	Two	0.14	.65	.40	.35
534-4633	B	TO-66	None	0.155	.32	.16	.13
534-4635	B	TO-66	Two	0.13	.58	.30	.24

3M™ Scotchlok™ IDC Wire Connectors

SCOTCHLOK™ IDC CONNECTORS FOR ELECTRICAL APPLICATIONS



Pigtail, Moisture Resistant and Flame Retardant

- Used to electrically connect two or three wire ends, insulate the connection, and provide a moisture resistant seal.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Stranded or Solid	Insulation O.D. Max. (In.)	Operating Temperature	Price Each			
							1	100	500	1000
517-314	A	1 or 2	Blue	22-14	0.15	105°C	.77	.68	.62	.57

Pigtail, Flame Retardant

- Used to electrically connect two or three wire ends and insulate the connection.

517-314U	A	1 or 2	White	22-14	0.15	105°C	.48	.43	.39	.36

Pigtail

- Used to electrically connect two wire ends and insulate the connection.

517-557	B	1	Red	22-16	0.12	105°C	.24	.22	.21	.20

Run and Tap, Flame Retardant

- Used to electrically connect a (tap) wire end to a through (run) wire and insulates the connection.

517-558	C	3	Red	22-16	0.12	105°C	.27	.24	.22	.20
517-567	D	3	Brown	18-14 Tap, 12-10 Run	0.145 Tap, .190 Run	105°C	.34	.30	.28	.25

Double Run and Tap, Flame Retardant

- Used to electrically connect a (tap) wire end to a through (run) wire and insulates the connection.

517-560	E	3 or 4	Lt.Blue	18-14	0.145	105°C	.22	.18	.16	.14
517-562	F	3 or 4	Yellow	12, 10 Stranded Only	0.19	90°C	.25	.23	.21	.19

Double Run

- Used to electrically connect two wires in a tap, inline, pigtail, or double run installation and insulate the connection.

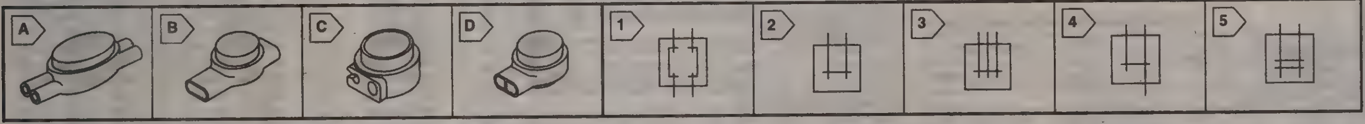
517-564	E	4	White	18-14	0.145	90°C	.15	.14	.13	.12

Double Run or Tap, Low Voltage (Automotive) Applications

- Used to electrically connect two wires in a tap, inline, pigtail, or double run installation and insulate the connection.

517-905	E	3 or 4	Red	22-18 Tap	.110	90°C	.21	.19	.17	.16

SCOTCHLOK™ IDC CONNECTORS FOR COMMUNICATION APPLICATIONS



- May be used on standard polyethylene wire insulation, polypropylene insulation of filled cable, and pulp.
- Use of a connector is limited only to wire range and port size
- Wire sizes may be intermixed within a connector
- Self stripping, insulated, and moisture resistant
- Contains EG-3 sealant - consisting of white mineral oil, polybutylene, and silane-treated amorphous silica

RoHS Compliant

Full-Pair Connector

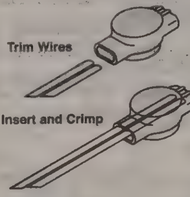
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Solid	Price Each			
					1	100	500	1000
517-U1R	A	1	Red	19-24	1.93	1.78	1.68	1.62

2 or 3 Wire Butt Connectors

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Solid	Price Each			
					1	100	500	1000
517-UAL	B	2 or 3	Gray	17-24	.47	.44	.41	.39
517-UR20074	B	2 or 3	Red	19-26	.17	.16	.15	.14



Tap Connector

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Solid	Price Each			
					1	100	500	1000
517-UG20082	C	4	Green	19-26	.21	.19	.18	.17

2-Wire Butt Connector

For quantities of 2000 and up, call for quote.

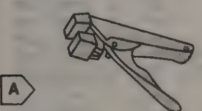
MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Solid	Price Each			
					1	100	500	1000
517-UY14911	D	2	Yellow	22-26	.14	.13	.12	.11

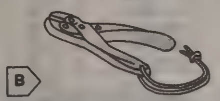
19-26 AWG Butt Connector

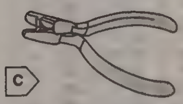
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Color	Wire (AWG) Solid	Price Each			
					1	100	500	1000
517-UY2	D	5	Yellow	19-26	.12	.11	.10	.09

SCOTCHLOK™ IDC CRIMP TOOLS

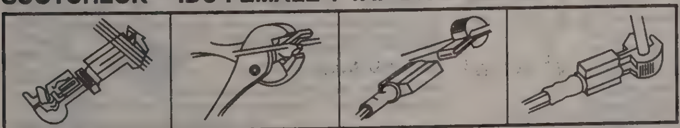






MOUSER STOCK NO.	Fig.	Description	Price Each
517-E9BM	A	Adjust. jaws crimp tool for use with all IDC, and U series connectors	60.94
517-E9E	B	Parallel action for use with UAL, UG, UR2, UY2, UB2 connectors	33.05
517-E9Y	C	Stepped jaws for use with UAL, UG, UR2, UY2, UB2 connectors	36.10

SCOTCHLOK™ IDC FEMALE T-TAP DISCONNECTS



- Quick, easy connection
- No messy tape to tangle
- No cutting and stripping the wire

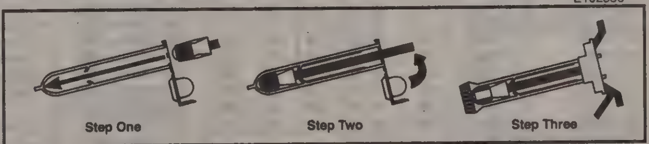
Mates with standard .250 x .032 male blade **For quantities of 2000 and up, call for quote.**

MOUSER STOCK NO.	Color	Wire (AWG)	Price Each			
			1	100	500	1000
517-951K	Red	22-18	.20	.16	.14	.13
517-952K	Blue	18-14	.20	.16	.14	.13
517-953K	Yellow	12	.24	.21	.18	.16

DIRECT BURIAL SPLICE KITS

Splice and effectively moisture seal two or more conductors for remote control circuits in irrigation and landscape lighting systems.

* E102356



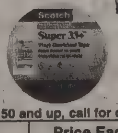
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Common Wire AWG Combinations	Volts	Splices Per Kit	Price Each		
				1	100	500
*517-DBY-6	2-5 #18, 2 #12	600	2	3.85	3.61	3.37
517-DBY	2-5 #18, 2 #12	30	2	2.94	2.76	2.58
*517-DBR-6	5 #18, 4 #12, 3#10	600	2	3.59	3.48	3.35

ELECTRICAL TAPE

Scotch® Super 33+ Tape

Premium 7 mil, flame retardant, weather resistant tape. Resists temperature and moisture for splicing. Meets requirements of UL 510, HHI-595, CAS 22.2



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-33	3/4" x 66'	4.64	4.21

RoHS Compliant

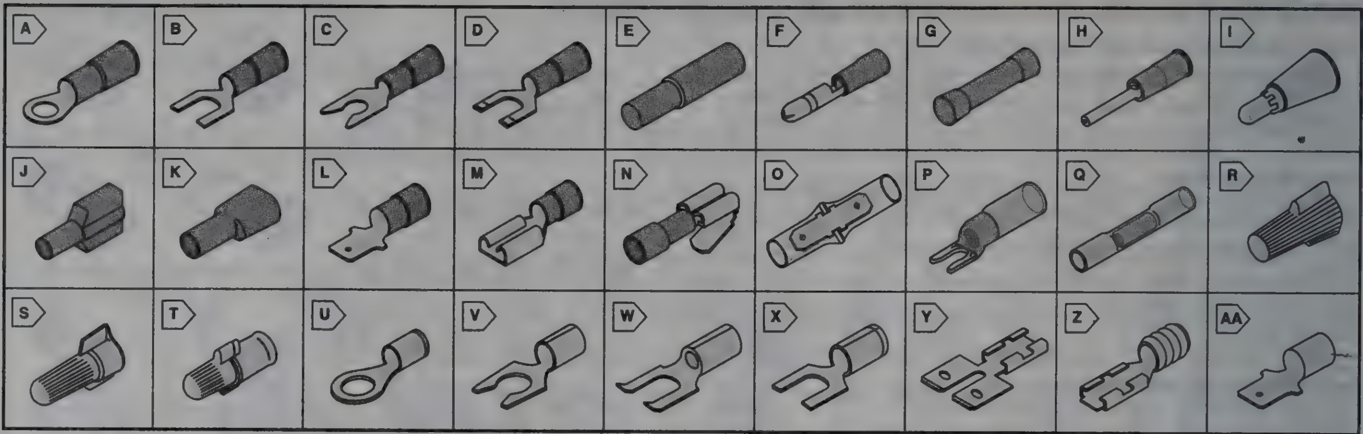
Scotch® Super 88 Tape

Premium-grade heavy-duty 8.5 mil, flame retardant, cold and weather resistant tape with superior cold weather handling features. Meets UL 510, MIL-1-24391, and CSA 22.2

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-88	3/4" x 66'	5.22	4.75

3M™ Terminals and Connectors



* Insulated terminals and Connectors are UL and CSA approved, except where indicated with an asterisk, which is UL approved and CE Certified.

VINYL INSULATED SOLDERLESS TERMINALS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each		
					1	100	1000
Ring Terminals							
517-2201	A	Red	1/4"	22-18	.18	.15	.11
517-2202	A	Red	5/16"	22-18	.18	.15	.11
517-2204A	A	Red	#4	22-18	.15	.12	.09
517-2206	A	Red	#6	22-18	.15	.12	.09
517-2208	A	Red	#8	22-18	.15	.12	.09
517-2210A	A	Red	#10	22-18	.15	.12	.09
517-1601	A	Blue	#4	16-14	.22	.18	.14
517-1602	A	Blue	1/4"	16-14	.18	.15	.11
517-1603	A	Blue	5/16"	16-14	.18	.15	.11
517-1606	A	Blue	#6	16-14	.15	.12	.09
517-1608	A	Blue	#8	16-14	.15	.12	.09
517-1610	A	Blue	#10	16-14	.15	.12	.09
517-1201	A	Yellow	#6	12-10	.18	.15	.11
517-1202	A	Yellow	#8	12-10	.21	.18	.13
517-1203	A	Yellow	#10	12-10	.21	.18	.13
517-1204	A	Yellow	1/4"	12-10	.29	.20	.15
517-1205	A	Yellow	5/16"	12-10	.29	.20	.15
517-1206	A	Yellow	3/8"	12-10	.29	.20	.15
Block Fork Terminals							
517-2226	B	Red	#6	22-18	.15	.12	.09
517-2228A	B	Red	#8	22-18	.15	.12	.09
517-2220	B	Red	#10	22-18	.15	.12	.09
517-1626	B	Blue	#6	16-14	.18	.16	.10
517-1628	B	Blue	#8	16-14	.18	.16	.10
517-1620	B	Blue	#10	16-14	.18	.16	.10
517-1207	B	Yellow	#8	12-10	.21	.18	.13
517-1208	B	Yellow	#10	12-10	.21	.18	.13
Locking Fork Terminals							
517-2203	C	Red	#6	22-18	.18	.15	.11
517-2207	C	Red	#8	22-18	.22	.18	.13
517-2209	C	Red	#10	22-18	.26	.22	.16
517-1605	C	Blue	#6	16-14	.18	.15	.11
517-1607	C	Blue	#8	16-14	.22	.18	.13
517-1609	C	Blue	#10	16-14	.26	.22	.16
Flanged Fork Terminals							
517-2236	D	Red	#6	22-18	.17	.14	.11
517-2238	D	Red	#8	22-18	.25	.22	.17
517-2230	D	Red	#10	22-18	.33	.28	.21
517-1636	D	Blue	#6	16-14	.17	.14	.11
517-1638	D	Blue	#8	16-14	.25	.22	.17
517-1630	D	Blue	#10	16-14	.33	.28	.21
Bullet Connectors							
517-2156	E	Red	.156	22-18	.21	.18	.13
517-1612	E	Blue	.156	22-18	.21	.18	.13
517-1613	E	Blue	.180	22-18	.21	.18	.13
517-3156	F	Red	.156	22-18	.21	.18	.13
517-1615	F	Blue	.156	16-14	.21	.18	.13
517-1616	F	Blue	.180	16-14	.21	.18	.13
Butt Connectors							
517-1622	G	Red	----	22-18	.18	.15	.11
517-1614	G	Blue	----	16-14	.18	.15	.11
517-1213	G	Yellow	----	12-10	.29	.20	.15
Pin Terminals							
517-2213	H	Red	.080	22-18	.17	.15	.11
517-1617	H	Blue	.080	16-14	.17	.15	.11
517-1211	H	Yellow	.110	12-10	.29	.20	.15
Closed End Terminal (Nylon)							
517-1801	I	---	---	22-14	.29	.20	.15
517-1802	I	---	---	18-10	.32	.23	.18

INSULATED SOLDERLESS TERMINALS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Wire Size (AWG)	Tab Width (In.)	Price Each		
					1	100	1000
Couplers Fully Nylon Insulated (Male)							
517-3251	J	Red	22-18	.250x.032	.29	.23	.17
517-7251	J	Blue	16-14	.250x.032	.32	.26	.20
Couplers Fully Nylon Insulated (Female)							
517-3250	K	Red	22-18	.250x.032	.29	.23	.17
517-7250	K	Blue	16-14	.250x.032	.29	.23	.17
Disconnects (Male)							
517-2250	L	Red	22-18	.250x.032	.16	.13	.10
517-6250	L	Blue	16-14	.250x.032	.15	.12	.09
517-1210	L	Yellow	12-10	.250x.032	.15	.12	.09
Disconnects (Female)							
517-2187	M	Red	22-18	.187x.020	.15	.12	.09
517-2251	M	Red	22-18	.250x.032	.15	.12	.09
517-1604	M	Blue	16-14	.110x.020	.18	.13	.10
517-6187	M	Blue	16-14	.187x.020	.15	.12	.09
517-6251	M	Blue	16-14	.250x.032	.15	.12	.09
517-1209	M	Yellow	12-10	.250x.032	.19	.16	.12
Multi-Stack Disconnects							
517-2212	N	Red	22-18	.250x.032	.17	.13	.09
517-1611	N	Blue	16-14	.250x.032	.18	.14	.10
Adapter Male-Male Disconnects							
517-1502	O	---	---	.250x.032	.29	.20	.15

HEAT SHRINK TERMINALS

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each		
					1	100	1000
Locking Fork Terminals							
517-MH18-6FL	P	Red	6	22-18	.64	.49	.32
517-MH18-8FL	P	Red	8	22-18	.64	.49	.32
517-MH18-10FL	P	Red	10	22-18	.68	.52	.34
517-MH14-6FL	P	Blue	6	16-14	.54	.41	.37
517-MH14-8FL	P	Blue	8	16-14	.54	.41	.37
517-MH14-10FL	P	Blue	10	16-14	.54	.41	.37
517-MH14-14FL	P	Blue	1/4	16-14	.59	.45	.28
517-MH10-8FL	P	Yellow	8	12-10	.54	.41	.37
517-MH10-10FL	P	Yellow	10	12-10	.54	.41	.37
517-MH10-14FL	P	Yellow	1/4	12-10	.54	.41	.37
Butt Connectors							
517-MH18BC	Q	Red	---	22-18	.56	.43	.27
517-MH14BC	Q	Blue	---	16-14	.56	.43	.35
517-MH10BC	Q	Yellow	---	12-10	.75	.60	.42

WIRE CONNECTORS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Min. and Max.	Price Each		
				1	100	1000
517-412 *	R	Tan	2 #20, 2 #18, 3 #16, 2 #14, 2-4 #12, 3 #10	.12	.11	.10
517-312	S	Yellow	5-7 #22, 3-6 #20, 2-6 #18 or 16, 1-4 #14, 1-3 #12	.15	.13	.12
517-512	S	Red	2-10 #18, 1-6 #14, 1-5 #12, 1-3 #10, 1-2 #8, 1 #6	.16	.15	.14
517-O/B	T	Org/Blue	2 #22-14	.11	.09	.09
517-T/R	T	Tan/Red	Up to 5 #12	.13	.12	.11
517-B/G	T	Blue/ Gray	4 #14, 3 #12, 6 #14, 4 #12, 3 #10, 5 #12, 2 #8, 6 #12, 4 #10, 5 #12	.37	.31	.28

NON-INSULATED SOLDERLESS TERMINALS

RoHS Compliant

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Stud Size	Wire Size (AWG)	Price Each			
				1	100	1000	5000
Ring Terminals							
517-2222	U	#4	22-18	.11	.09	.07	.06
517-2223	U	#6	22-18	.11	.09	.07	.06
517-2224	U	#8	22-18	.11	.09	.07	.06
517-2227	U	#10	22-18	.13	.11	.08	.07
517-2229	U	1/4"	22-18	.12	.10	.08	.07
517-2231	U	5/16"	22-18	.12	.10	.08	.07
517-1627	U	#4	16-14	.11	.09	.07	.06
517-1629	U	#6	16-14	.13	.11	.08	.07
517-1631	U	#8	16-14	.11	.09	.07	.06
517-1632	U	#10	16-14	.11	.09	.07	.06
517-1633	U	1/4"	16-14	.12	.10	.08	.07
517-1634	U	5/16"	16-14	.13	.10	.08	.07
517-1216	U	#6	12-10	.17	.13	.09	.08
517-1217	U	#8	12-10	.17	.13	.09	.08
517-1218	U	#10	12-10	.17	.13	.09	.08
517-1219	U	1/4"	12-10	.24	.15	.11	.09
517-1220	U	5/16"	12-10	.19	.12	.09	.07
517-1221	U	3/8"	12-10	.24	.15	.11	.09
Locking Fork Terminals							
517-2241	V	#6	22-18	.11	.09	.07	.06
517-2242	V	#8	22-18	.11	.09	.07	.06
517-2243	V	#10	22-18	.11	.09	.07	.06
517-1644	V	#6	16-14	.11	.09	.07	.06
517-1645	V	#8	16-14	.11	.09	.07	.06
517-1646	V	#10	16-14	.11	.09	.07	.06
Flanged Fork Terminals							
517-2244	W	#6	22-18	.11	.09	.07	.06
517-2245	W	#8	22-18	.11	.09	.07	.06
517-2246	W	#10	22-18	.11	.09	.07	.06
517-1647	W	#6	16-14	.11	.09	.07	.06
517-1648	W	#8	16-14	.11	.09	.07	.06
517-1649	W	#10	16-14	.11	.09	.07	.06
Block Fork Terminals							
517-2232	X	#6	22-18	.11	.09	.07	.06
517-2233	X	#8	22-18	.11	.09	.07	.06
517-2234	X	#10	22-18	.13	.11	.08	.07
517-1635	X	#6	16-14	.12	.10	.08	.06
517-1637	X	#8	16-14	.11	.09	.07	.06
517-1639	X	#10	16-14	.12	.10	.08	.06
517-1222	X	#8	12-10	.18	.15	.11	.09
		Tab Width					
Double Male/Female Adapter							
517-1226	Y	.250"x.032"	---	.26	.20	.15	.13
Disconnects							
517-2237	Z	.187"x.020"	22-18	.11	.09	.07	.06
517-2240	Z	.250"x.032"	22-18	.11	.09	.07	.06
517-1640	Z	.110"x.020"	16-14	.11	.09	.07	.06
517-1641	Z	.187"x.020"	16-14	.11	.09	.07	.06
517-1643	Z	.250"x.032"	16-14	.11	.09	.07	.06
517-2247	AA	.250"x.032"	22-18	.11	.09	.07	.06
517-1650	AA	.250"x.032"	16-14	.11	.09	.07	.06
517-1225	AA	.250"x.032"	12-10	.11	.09	.07	.06

ELECTRICAL TAPE

Scotch® Super 33+ Tape

MADE IN USA RoHS Compliant

Premium 7 mil, flame retardant, weather resistant tape. Resists temp. and moisture for splicing. Meets requirements of UL 510, HHI-595, CAS 22.2

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-33	3/4" x 66'	4.91	4.66

Scotch® Super 88 Tape

Premium-grade heavy-duty 8.5 mil, flame retardant, cold and weather resistant tape with superior cold weather handling features. Meets UL 510, MIL-1-24391, and CSA 22.2

517-88	3/4" x 66'	5.54	5.26

AMP Terminals and Splices

AMP ULTRA-FAST FULLY INSULATED FASTON RECEPTACLES AND TABS

- Tin-plated brass
- Flammability rating: UL94V-0
- Nylon insulation
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

E66717

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Size (In.)	Wire Size (AWG)	Price Each			
						1	100	500	1000
Ultra-Fast Fully Insulated FASTON Receptacles				* Insulation Support					
571-25200842	2-520084-2	A	Red	.110/.125 x .020	22-18	.17	.15	.13	.11
*571-2-520182-2	2-520182-2	A	Red	.187 x .020	22-18	.16	.14	.12	.11
571-25204092	2-520409-2	A	Red	.187 x .020	22-18	.23	.20	.18	.16
571-33508162	3-350816-2	A	Blue	.187 x .020	16-14	.18	.15	.14	.12
571-2-520184-2	2-520184-2	A	Red	.250 x .032	22-18	.15	.13	.11	.10
*571-2-520407-2	2-520407-2	A	Red	.250 x .032	22-18	.21	.19	.18	.17
571-33508202	3-350820-2	A	Blue	.250 x .032	16-14	.17	.15	.13	.11
*571-35204082	3-520408-2	A	Blue	.250 x .032	16-14	.21	.19	.18	.17
Ultra-Fast Fully Insulated FASTON Flag Receptacles									
571-25203352	2-520335-2	B	Red	.187 x .020	22-18	.25	.23	.21	.20
571-3-520339-2	3-520339-2	B	Blue	.187 x .020	16-14	.33	.27	.23	.21
571-25201292	2-520129-2	B	Red	.250 x .032	22-18	.24	.21	.20	.19
571-35201332	3-520133-2	B	Blue	.250 x .032	16-14	.24	.21	.20	.19
Ultra-Fast Fully Insulated FASTON Tabs									
571-25201032	2-520103-2	C	Red	.250 x .032	22-18	.24	.22	.21	.20
571-35201072	3-520107-2	C	Blue	.250 x .032	16-14	.24	.22	.21	.20
571-25211032	2-521103-2	C	Red	.187 x .020	22-18	.23	.21	.20	.19

Tools for Ultra-Fast FASTON Terminals

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-58078-3	58078-3	Crimping tool frame without dies	245.66
571-903903	90390-3	22-18 awg die set	238.50
571-903913	90391-3	16-14 awg die set	238.50

AMP SOLISTRAND, UNINSULATED TERMINALS

Designed to terminate solid and stranded wire and irregular shaped conductors while retaining performance characteristics of single purpose terminals and splices.

- Tin-plated copper
- Temperature rating: 170°C
- RoHS Compliant per Tyco Electronics documentation
- Meet or exceed the requirements of MIL-T-7928, Type 1, Class 1 & 2

RoHS Compliant

LR7189

E13288

Ring Tongue Terminals

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Stud Size	Wire Size (AWG)	Price Each			
					1	100	500	1000
571-34105	34105	D	#6	22-16	.16	.13	.11	.09
571-34108	34108	D	#8	22-16	.16	.13	.10	.08
571-34109	34109	D	#10	22-16	.19	.16	.13	.09
571-34113	34113	D	1/4"	22-16	.13	.12	.11	.10
571-34114	34114	D	5/16"	22-16	.14	.13	.12	.11
571-34115	34115	D	3/8"	22-16	.14	.13	.12	.11
571-34120	34120	D	#6	22-16	.16	.13	.10	.08
571-34122	34122	D	#8	22-16	.16	.13	.10	.08
571-34123	34123	D	#10	22-16	.16	.13	.10	.08
571-34124	34124	D	1/4"	22-16	.13	.12	.11	.10
571-34125	34125	D	5/16"	22-16	.14	.13	.12	.11
571-34126	34126	D	3/8"	22-16	.23	.19	.16	.13
571-35476	35476	D	#6	12-10	.31	.28	.26	.25
571-32994	32994	D	#8	12-10	.15	.13	.12	.11
571-33457	33457	D	#10	12-10	.15	.13	.11	.10
571-33458	33458	D	1/4"	12-10	.17	.15	.14	.13
571-33459	33459	D	5/16"	12-10	.36	.32	.30	.29
571-33220	33220	D	3/8"	12-10	.36	.32	.30	.29

Spade Tongue Terminals

For quantities of 5,000 and up, call for quote.

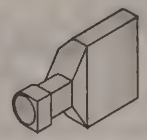
MOUSER STOCK NO.	AMP Part No.	Fig.	Stud Size	Wire Size (AWG)	Price Each			
					1	100	500	1000
571-535551	53555-1	E	#2	22-16	.17	.15	.13	.11
571-323127	323127	E	#6	22-16	.15	.13	.11	.09
571-34117	34117	E	#8	22-16	.31	.28	.26	.25
571-34118	34118	E	#10	22-16	.11	.09	.08	.07
571-322451	322451	E	#6	12-10	.42	.38	.36	.33
571-32995	32995	E	#8	12-10	.24	.21	.20	.19

Butt Splices

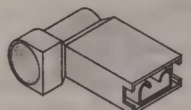
For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Stud Size	Wire Size (AWG)	Price Each			
					1	100	500	1000
571-31818	31818	F	—	22-16	.14	.13	.12	.11
571-31819	31819	F	—	16-14	.15	.13	.11	.10
571-32151	32151	F	—	12-10	.20	.17	.15	.13

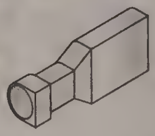
A



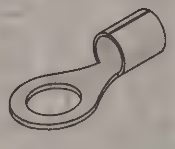
B



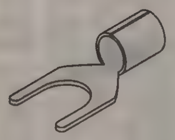
C



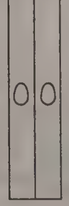
D



E

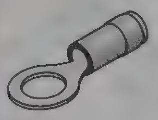


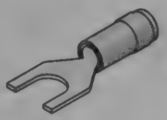
F

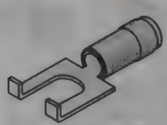


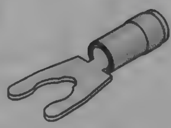
AMP Terminals

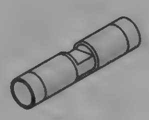
Tyco Electronics
Authorized Distributor

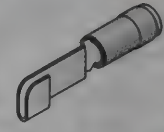
A


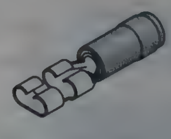
B


C


D


E


F


G


PIDG NYLON (PRE-INSULATED DIAMOND GRIP) TERMINALS

Designed for complete and uniform reliability in the most difficult circuit environments. These nylon terminals feature a tin plated copper body with a specially designed copper sleeve fitted over the terminal barrel to provide maximum circumferential insulation support to the wire.

Features:

- High dielectric strength
- Temperature rating: 105°C
- Funnel ramp entry
- Meet or exceed requirements of MIL-T-7928, Type II, Class 1 & 2
- Copper support sleeve for insulation
- RoHS Compliant per Tyco Electronics documentation

LR7189 RoHS Compliant

∗ 26-22 splices are 26-24 range in accordance with MIL-T-7928.
† 22-16 splices are 22-18 range in accordance with MIL-T-7928.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each		
						1	100	500
Ring Tongue Terminals								
571-323912	323912	A	Yellow	#2	26 - 22	.31	.25	.21
571-323914	323914	A	Yellow	#4	26 - 22	.20	.17	.15
571-323915	323915	A	Yellow	#6	26 - 22	.21	.18	.16
571-323916	323916	A	Yellow	#8	26 - 22	.23	.20	.18
571-324075	324075	A	Yellow	#10	26 - 22	.22	.20	.19
571-328657	328657	A	Red	#2	22 - 16	.19	.17	.15
571-31880	31880	A	Red	#4	22 - 16	.20	.17	.15
571-36152	36152	A	Red	#6	22 - 16	.15	.14	.12
571-31890	31890	A	Red	#8	22 - 16	.16	.14	.12
571-36154	36154	A	Red	#10	22 - 16	.16	.14	.12
571-31894	31894	A	Red	1/4"	22 - 16	.23	.20	.18
571-31895	31895	A	Red	5/16"	22 - 16	.30	.27	.25
571-31897	31897	A	Red	3/8"	22 - 16	.44	.40	.38
571-320619	320619	A	Blue	#6	16 - 14	.15	.14	.12
571-320565	320565	A	Blue	#8	16 - 14	.15	.14	.12
571-36160	36160	A	Blue	#10	16 - 14	.15	.14	.12
571-321045	321045	A	Blue	1/4"	16 - 14	.18	.16	.14
571-328998	328998	A	Blue	5/16"	16 - 14	.23	.20	.17
571-328999	328999	A	Blue	3/8"	16 - 14	.22	.20	.19
571-35149	35149	A	Yellow	#6	12 - 10	.21	.19	.18
571-35108	35108	A	Yellow	#8	12 - 10	.20	.18	.16
571-35109	35109	A	Yellow	#10	12 - 10	.20	.18	.16
571-35110	35110	A	Yellow	1/4"	12 - 10	.25	.23	.22
571-35111	35111	A	Yellow	5/16"	12 - 10	.25	.23	.22
571-35112	35112	A	Yellow	3/8"	12 - 10	.25	.23	.22
571-35151	35151	A	Yellow	1/2"	12 - 10	.49	.45	.38
Spade Tongue Terminals								
571-328394	328394	B	Red	#2	22 - 16	.19	.17	.15
571-327717	327717	B	Red	#4	22 - 16	.24	.21	.18
571-34541	34541	B	Red	#6	22 - 16	.15	.14	.12
571-32053	32053	B	Red	#8	22 - 16	.29	.21	.18
571-32054	32054	B	Red	#10	22 - 16	.19	.17	.15
571-35559	35559	B	Blue	#6	16 - 14	.19	.17	.15
571-32059	32059	B	Blue	#8	16 - 14	.29	.21	.18
571-321233	321233	B	Blue	#8	16 - 14	.22	.19	.17
571-32060	32060	B	Blue	#10	16 - 14	.22	.19	.17
571-32589	32589	B	Yellow	#10	12 - 10	.56	.51	.48
Flanged Spade Tongue Terminals								
571-324608	324608	C	Red	#2	22 - 16	.31	.27	.23
571-32562	32562	C	Red	#6	22 - 16	.21	.18	.16
571-320861	320861	C	Blue	#6	16 - 14	.21	.19	.16
571-320862	320862	C	Blue	#8	16 - 14	.21	.19	.16
571-325150	325150	C	Yellow	#6	12 - 10	1.10	.99	.93
Short Spring Spade Tongue Terminals								
571-52927	52927	D	Red	#4	22 - 16	.25	.23	.22
571-52929	52929	D	Red	#6	22 - 16	.22	.19	.17
571-52930	52930	D	Red	#8	22 - 16	.22	.19	.17
571-52931	52931	D	Red	#10	22 - 16	.27	.24	.23
571-52935	52935	D	Blue	#6	16 - 14	.22	.19	.17
571-52936	52936	D	Blue	#8	16 - 14	.21	.19	.18
571-52937	52937	D	Blue	#10	16 - 14	.21	.19	.18
571-52941	52941	D	Yellow	#6	12 - 10	.24	.22	.20
571-52942	52942	D	Yellow	#8	12 - 10	.27	.24	.23
571-52943	52943	D	Yellow	#10	12 - 10	.27	.24	.23
Butt Splices								
∗571-323994	323994	E	Yellow	- - -	26 - 22	.52	.41	.34
†571-320559	320559	E	Red	- - -	22 - 16	.46	.42	.39
571-320562	320562	E	Blue	- - -	16 - 14	.46	.42	.39
571-320570	320570	E	Yellow	- - -	12 - 10	.78	.70	.66
Knife Disconnect Splices								
571-32446	32446	F	Red	- - -	22 - 16	.42	.37	.34
571-32448	32448	F	Blue	- - -	16 - 14	.42	.37	.34

PIDG FASTON RECEPTACLES

Features:

- Tin-plated brass
- No dimple with wire stop
- RoHS Compliant per Tyco Electronics documentation

E66717 LR7189 RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Size (In.)	Wire Size (AWG)	Price Each		
						1	100	500
571-6409231	640923-1	G	Red	.110" x .020"	22 - 18	.23	.20	.18
571-6409291	640929-1	G	Blue	.110" x .020"	16 - 14	.28	.24	.20
571-428441	42844-1	G	Green	.250" x .032"	14 - 12	.26	.24	.23
571-6409171	640917-1	G	Red	.187" x .020"	22 - 18	.17	.16	.15
∗571-6409111	640911-1	G	Red	.205" x .032"	22 - 18	.27	.24	.20
∗571-6409151	640915-1	G	Blue	.205" x .032"	16 - 14	.23	.20	.18
∗571-608941	60894-1	G	Natural	.110" x .032"	22 - 18	.24	.21	.18
571-6409191	640919-1	G	Blue	.187" x .020"	16 - 14	.23	.20	.18
∗571-6409091	640909-1	G	Red	.205" x .020"	22 - 18	.23	.20	.18
571-6409031	640903-1	G	Red	.250" x .032"	22 - 18	.17	.16	.15
571-6409051	640905-1	G	Blue	.250" x .032"	16 - 14	.17	.16	.15
571-6409071	640907-1	G	Yellow	.250" x .032"	12 - 10	.21	.19	.18

∗ Dimple with wire stop

PLASTI-GRIP VINYL PRE-INSULATED TERMINALS

22-16 terminals and splices are stamped 22-18 in accordance with MIL-T-7928

Features:

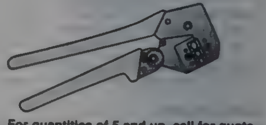
- Tin-plated copper
- Vinyl insulation
- Temperature rating: 90°C
- RoHS Compliant per Tyco Electronics documentation

LR7189 RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each		
						1	100	500
Ring Tongue Terminals								
571-34141	34141	A	Red	#4	22 - 16	.22	.19	.16
571-34142	34142	A	Red	#6	22 - 16	.18	.16	.14
571-34148	34148	A	Red	#8	22 - 16	.11	.09	.08
571-34149	34149	A	Red	#10	22 - 16	.17	.15	.13
571-34151	34151	A	Red	5/16"	22 - 16	.21	.18	.16
571-34160	34160	A	Blue	#8	16 - 14	.11	.09	.08
571-34161	34161	A	Blue	#10	16 - 14	.17	.15	.13
571-34163	34163	A	Blue	5/16"	16 - 14	.21	.18	.16
571-34853	34853	A	Yellow	#8	12 - 10	.49	.44	.42
571-34854	34854	A	Yellow	#10	12 - 10	.46	.41	.39
571-34173	34173	A	Yellow	3/8"	12 - 10	.57	.51	.48
Spade Tongue Terminals								
571-320665	320665	B	Red	#6	22 - 16	.18	.16	.14
571-34156	34156	B	Red	#10	22 - 16	.18	.16	.14
571-322994	322994	B	Blue	#6	16 - 14	.18	.16	.14
571-34166	34166	B	Blue	#8	16 - 14	.18	.16	.14
571-34176	34176	B	Yellow	#10	12 - 10	.49	.44	.42
Flanged Spade Tongue Terminals								
571-322249	322249	C	Red	#6	22 - 16	.20	.17	.15
571-328516	328516	C'	Red	#10	22 - 16	.33	.30	.28
571-324165	324165	C	Blue	#6	16 - 14	.20	.17	.15
Short Spring Spade Tongue Terminals								
571-52949	52949	D	Red	#6	22 - 16	.20	.18	.16
Butt Splices								
571-34070	34070	E	Red	- - -	22 - 16	.14	.12	.11
571-34071	34071	E	Blue	- - -	16 - 14	.14	.12	.11
571-34072	34072	E	Yellow	- - -	12 - 10	.23	.20	.18

CRIMP TOOL FOR SOLDERLESS TERMINALS



Heavy duty or small task tool designed with crimper, cutter, and stripper all in one.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Description	Price Each
571-3549401	354940-1	Procrimper II without dies	75.00
571-584231	58423-1	Die set for Procrimper II	45.00

AMP Terminals, Splices and Wire Caps

RoHS Compliant **This page of product is compliant.**

SOLISTRAND UNINSULATED TERMINALS

- RoHS Compliant per Tyco Electronics documentation

Short Spring Spade Tongue Terminals

RoHS Compliant

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Stud Size	Wire Size (AWG)	Dimensions L x W	Price Each			
						1	100	500	1000
571-531751	53175-1	A	4	22-16	.576 x .203	.14	.12	.11	.09
571-531201	53120-1	A	6	22-16	.576 x .250	.40	.36	.34	.32
571-531231	53123-1	A	6	16-14	.576 x .250	.14	.12	.11	.09
571-531261	53126-1	A	6	12-10	.636 x .250	.38	.34	.32	.30

DIAMOND GRIP UNISULATED TERMINALS

- RoHS Compliant per Tyco Electronics documentation

Ring Tongue Terminals

RoHS Compliant

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Stud Size	Wire Size (AWG)	Dimensions L x W	Price Each			
						1	100	500	1000
571-31518	31518	B	2	26-22	.464 x .140	.28	.25	.24	.22
571-31094	31094	B	4	22-16	.603 x .218	.29	.26	.24	.23
571-30996	30996	B	8	22-16	.775 x .312	.28	.25	.24	.22
571-30927	30927	B	8	16-14	.790 x .343	.28	.25	.24	.22

RING TONGUE RADIATION RESISTANT TERMINALS

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each			
						1	100	500	1000
571-534061	53406-1	C	Red	6	22-16	.28	.27	.24	.23
571-534081	53408-1	C	Red	8	22-16	.32	.31	.28	.26
571-534091	53409-1	C	Red	10	22-16	.30	.27	.26	.24

PIDG RING TONGUE INSULATION RESTRICTING TERMINALS

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each			
						1	100	500	1000
571-13205513	1-320551-3	D	Red/Red	8	22-16	.23	.20	.19	.18
571-13205514	1-320551-4	D	Red/White	8	22-16	.23	.20	.19	.18
571-2361535	2-36153-4	D	Red/White	10	22-16	.23	.20	.19	.18
571-518649	51864-9	D	Blue/Green	10	16-14	.23	.20	.19	.18
571-23205634	2-320563-4	D	Blue/Green	1/4	14	.36	.32	.30	.29
571-2361614	2-36161-4	D	Yellow/Brown	10	10	.86	.77	.73	.69

PIDG OFFSET AND SLOTTED RING TONGUE TERMINALS

- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each			
						1	100	500	1000
571-323011	323011	E	Yellow	6	26-22	.33	.27	.23	.19
571-36954	36954	E	Red	8	22-16	.42	.38	.35	.33

PIDG SPARE WIRE CAPS

- Not sealed
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Cap Insulation Color	Wire Size (AWG)	Price Each			
					1	100	500	1000
Unstripped Wire								
571-324484	324485	F	Red	- - -	.22	.20	.18	.16
Stripped Wire								
571-328307	328307	G	Red	22-18	.22	.20	.18	.17

CLOSED END SPLICES

Splice Marking

- VS 300V, 90°C
- ECV 600V max. Building wiring 1000V max.
- Fixtures and signs, 105°C UL, 90°C CSA
- ECN 300V 105°C
- EC 600V max. Building wiring 1000V max; Fixtures and signs, 105°C
- RoHS Compliant per Tyco Electronics documentation

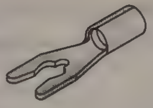
RoHS Compliant

∗ Max. recommended operating temperature, 150°C

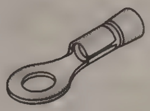
For quantities of 5,000 and up, call for quote.

MOUSER STOCK NO.	AMP Part No.	Fig.	Material	Color	Length	Wire Size (AWG)	Splice Marking	Price Each			
								1	100	500	1000
Vinyl BOMB-TAIL Splices											
571-34306	34306	H	Copper	Blue	0.750	22-16	VS	.20	.18	.16	.13
571-34864	34864	H	Copper	Blue	0.800	22-16	VS	.20	.17	.15	.13
571-23283753	2-328375-3	H	Copper	Purple	0.775	22-14	VS	.10	.09	.08	.07
571-532341	53234-1	H	Copper	Transparent	1.500	22-12	ECV	.26	.24	.22	.21
Nylon Molded Splices											
571-35115	35115	I	Copper	Transparent	0.680	22-14	ECN	.13	.12	.11	.10
∗571-559271	55927-1	I	Copper	Black	0.680	22-14	ECN	.43	.39	.37	.34
571-35653	35653	I	Copper	Transparent	0.775	22-10	ECN	.13	.12	.11	.10
∗571-559291	55929-1	I	Copper	Black	0.970	22-10	EC	.20	.18	.16	.14
571-328730	328730	I	Copper	Transparent	0.720	22-10	EC	.29	.21	.17	.14

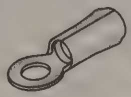
A



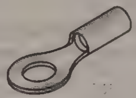
B



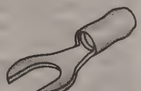
C



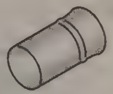
D



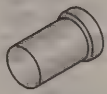
E



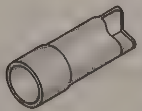
F



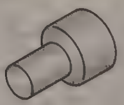
G



H



I



KEYSTONE Terminals and 9V Battery Snaps

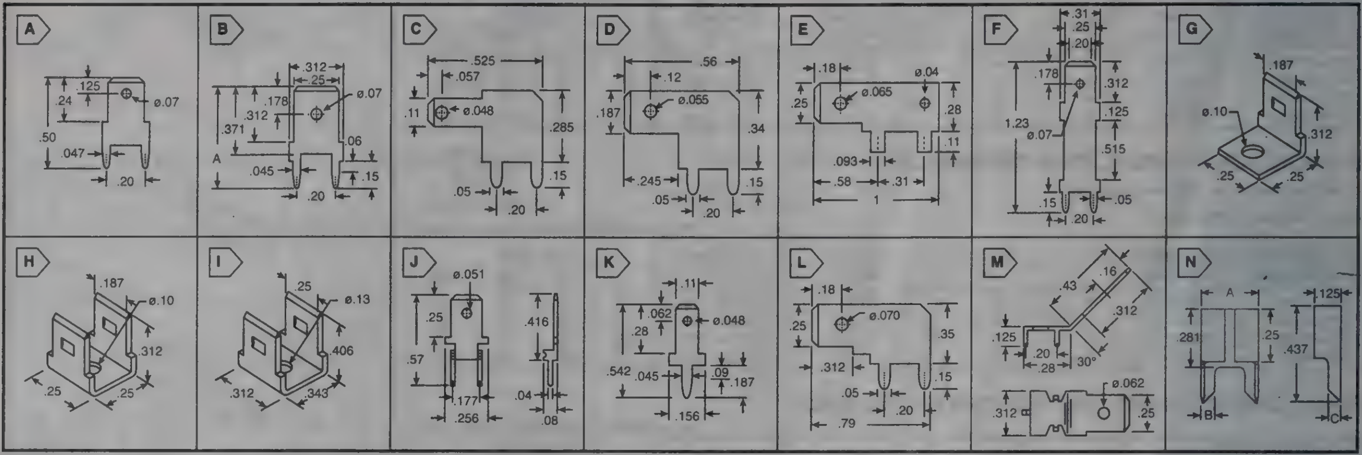
KEYSTONE PC QUICK-FIT TERMINALS

Specifications:
- Material type: Brass
- Material finish: Tin or bright

UL * Not UL Rated

RoHS Compliant

DIMENSIONS (IN.)



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Tab Size (In.)	Description	Finish	Price Each		
					1	100	500
534-1212	A	.187	PCB straight terminal, .032" thick	Tin	.14	.07	.06
534-1285	A	.187	PCB straight terminal, .020" thick	Tin	.08	.06	.05
534-1213	A	.205	PCB straight terminal, .032" thick	Tin	.14	.07	.06
534-1286	A	.205	PCB straight terminal, .020" thick	Tin	.12	.06	.05
534-1289	B	.250	PCB straight terminal, Dim. A = .780	Tin	.14	.08	.06
534-1287	B	.250	PCB straight terminal, Dim. A = .552	Tin	.10	.09	.07
534-1287-ST	B	.250	PCB straight terminal, Dim. A = .552	Tin	.11	.08	.06
534-1289-ST	B	.250	PCB straight terminal, Dim. A = .710	Tin	.25	.13	.11
534-4903	C	.110	PCB right angle terminal, .020" thick	Tin	.28	.14	.12
534-4906	C	.110	PCB right angle terminal, .032" thick	Tin	.28	.14	.12
534-4904	D	.187	PCB right angle terminal, .020" thick	Tin	.28	.14	.13
534-4907	D	.187	PCB right angle terminal, .032" thick	Tin	.27	.15	.13
534-1265	E	.250	PCB right angle terminal	Tin	.25	.13	.11
534-1281	F	.250	PCB tall terminal	Tin	.21	.13	.11
534-1261	G	.187	Single tab rivet type terminal	Bright	.23	.13	.10
534-1262	H	.187	Dual tab rivet type terminal	Bright	.32	.16	.14

For quantities of 1000 and up, call for quote.

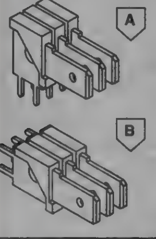
MOUSER STOCK NO.	Fig.	Tab Size (In.)	Description	Finish	Price Each		
					1	100	500
534-1257	I	.250	Dual tab rivet type terminal	Bright	.12	.08	.06
534-2003	I	.110	Dual tab rivet type terminal	Bright	.26	.13	.11
534-4900	J	.187	Male sturdi-mount terminal	Tin	.19	.09	.08
534-4901	J	.250	Male sturdi-mount terminal	Tin	.17	.11	.10
534-4902	J	.250	Male sturdi-mount terminal	Tin	.21	.11	.09
534-1267	K	.110	Male single point terminal	Tin	.10	.08	.06
534-1211	K	.110	Male single point terminal	Tin	.10	.07	.06
534-4966	L	.250	PCB right angle terminal, .590" wide	Tin	.16	.08	.07
534-1266	L	.250	PCB right angle terminal, .789" wide	Tin	.16	.12	.09
534-4908	M	.250	PCB right angle terminal	Tin	.38	.19	.17

Female

For quantities of 1000 and up, call for quote.

* 534-3525	N	.205	Dim.A: .271; Dim.B: .075; Dim.C: .060	Tin	.20	.10	.08
* 534-3528	N	.250	Dim.A: .291; Dim.B: .090; Dim.C: .050	Tin	.20	.10	.08

KEYSTONE PC QUICK-FIT MALE STURDI-MOUNT HEADERS



RoHS Compliant

Steel

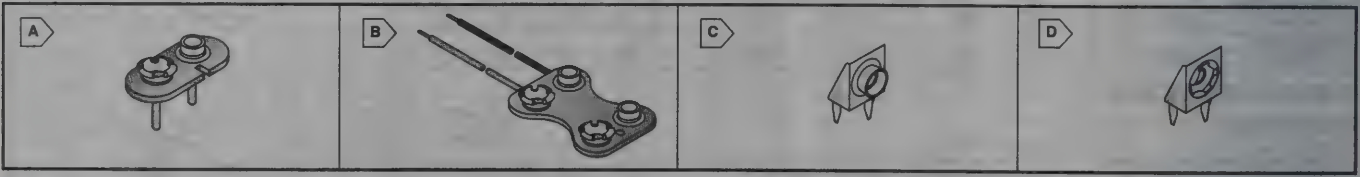
For quantities of 5000 and up, call for quote.

Horizontal Headers		Vertical Headers		No. of Tabs	Price Each			
MOUSER STOCK NO.	Fig.	MOUSER STOCK NO.	Fig.		1	100	500	1000
534-7822	A	534-7832	B	2	1.18	.59	.53	.31
534-7823	A	534-7833	B	3	1.74	.87	.80	.46
534-7824	A	534-7834	B	4	1.94	.97	.88	.50
534-7825	A	534-7835	B	5	2.42	1.21	1.10	.64
534-7826	A	534-7836	B	6	2.66	1.33	1.21	.70

Brass

For quantities of 5000 and up, call for quote.

Horizontal Headers		Vertical Headers		No. of Tabs	Price Each			
MOUSER STOCK NO.	Fig.	MOUSER STOCK NO.	Fig.		1	100	500	1000
534-7802	A	534-7812	B	2	1.99	1.01	.93	.60
534-7803	A	534-7813	B	3	2.65	1.33	1.21	.69
534-7804	A	534-7814	B	4	2.90	1.56	1.40	.89
534-7805	A	534-7815	B	5	3.30	1.78	1.61	.92
534-7806	A	534-7816	B	6	3.69	1.96	1.78	1.00



KEYSTONE "9 VOLT" PC CONNECTOR

- One piece construction
- Wave solderable
- Anti-wicking design

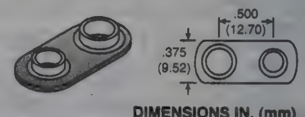
RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	100	500
534-968	A	9V PC connector, with PC pins	.77	.65	.61	.53
534-68	A	9V PC connector, w/o PC pins	.32	.29	.25	.21
534-227	B	Parallel 9V dual battery snap	1.55	1.29	1.20	1.02
534-635	C	9V PCB snap-ons, male, off board	.30	.24	.20	.17
534-593	C	9V PCB snap-ons, male, on board	.43	.24	.20	.17
534-636	D	9V PCB snap-ons, female, off board	.30	.26	.21	.17
534-594	D	9V PCB snap-ons, female, on board	.49	.26	.23	.20

KEYSTONE "9 VOLT" PROTECTIVE BATTERY CAP

- Protects 9 volt batteries and battery packs when not in use
- Shields the battery contacts and reduces the potential of a short circuit between poles
- Protects the battery contacts from damage due to dust, dirt, and contamination
- Impact resistant polypropylene, black



DIMENSIONS IN. (mm)

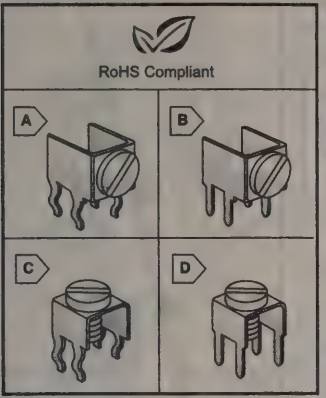
RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each			
		1	100	500	1000
534-96	Protective battery cap	.22	.11	.10	.08

RoHS Compliant **This page of product is compliant.**

PC MOUNT SCREW TYPE TERMINAL POST



- Current rating: 15A
- Terminal material: tin-plated brass
- Screw type: 6-32 x 1/4LG nickel-plated steel

† Screw type: M3x6.35L nickel-plated steel

Horizontal

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	100	500	1000
534-7690	A	Snap mount terminal, loose	.46	.23	.21	.15
534-7692	A	Snap mount terminal, assembled	.60	.30	.25	.23
† 534-7689	A	Snap mount terminal, loose	.50	.25	.22	.17
† 534-7695	A	Snap mount terminal, assembled	.60	.30	.25	.23
534-8190	B	Horizontal PC mount	.42	.21	.18	.14
534-7700	B	PC mount terminal assembled	.46	.23	.21	.18

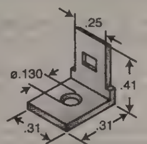
Vertical

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	100	500	1000
534-7691	C	Snap mount terminal, loose	.43	.24	.20	.13
534-7693	C	Snap mount terminal, assembled	.52	.26	.22	.19
† 534-7698	C	Snap mount terminal, loose	.45	.25	.21	.15
† 534-7696	C	Snap mount terminal, assembled	.58	.29	.24	.20
534-8191	D	Vertical PC mount	.41	.21	.18	.13
534-7701	D	PC mount terminal, assembled	.50	.25	.21	.18

PC BOARD DISCONNECT TAB

RoHS Compliant

DIMENSIONS: in.



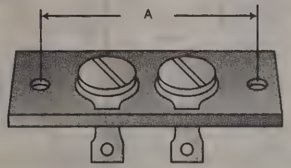
Features:

- Bright brass plate
- Mating tab portion designed to NEMA standards
- Terminal dimension: .250" x .03"

MOUSER STOCK NO.	Angle	Price Each			
		1	100	1000	5000
534-1256	90°	.14	.11	.09	.07
534-1280	45°	.16	.11	.09	.07

SCREW TYPE TERMINAL BOARDS

DIMENSIONS (IN.)



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	No. of Terminals	Dim. A (In.)	Price Each		
			1	10	100
534-4188	2	1.31	.60	.50	.43
534-4189	3	1.75	.83	.69	.58
534-4190	4	2.19	1.07	.89	.81
534-4191	5	2.63	1.33	1.11	.94

For quantities of 500 and up, call for quote.

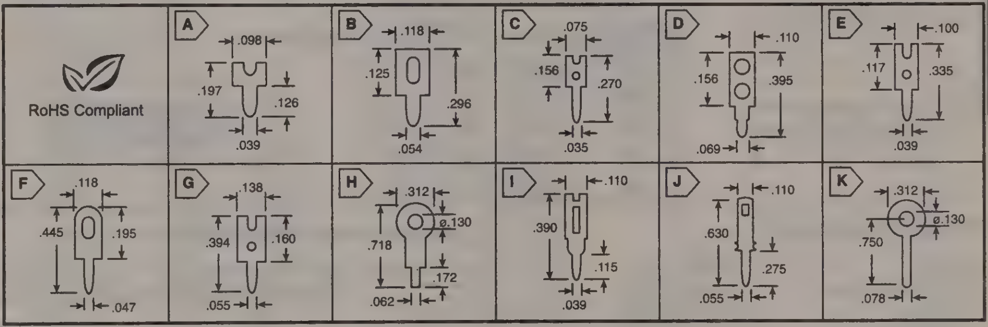
MOUSER STOCK NO.	No. of Terminals	Dim. A (In.)	Price Each		
			1	10	100
534-4192	6	3.06	1.55	1.29	1.16
534-4194	8	3.94	2.15	1.79	1.63
534-4196	10	4.81	2.70	2.25	2.01
534-4195	9	4.375	2.19	1.97	1.77

TEST POINT TERMINALS

DIMENSIONS: in.

For quantities of 2000 and up, call for quote.

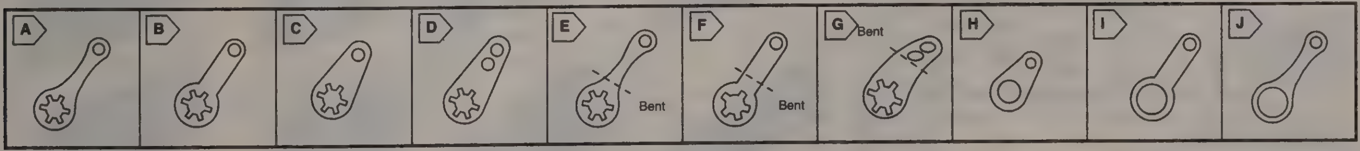
MOUSER STOCK NO.	Fig.	Price Each			
		1	100	500	1000
534-4950	A	.21	.12	.09	.07
534-1033	B	.15	.09	.08	.07
534-1031	C	.16	.08	.07	.06
534-1038	D	.15	.09	.07	.06
534-1035	E	.15	.09	.07	.06
534-1249	F	.15	.08	.07	.06
534-1039	G	.16	.08	.07	.06
534-680	H	.20	.10	.08	.06
534-1040	I	.16	.08	.07	.06
534-1041	J	.19	.10	.08	.07
534-4002	K	.16	.08	.06	.05



TERMINAL SOLDER AND LOCKWASHER LUGS

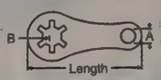
- Tinned brass for easy soldering
- Easy way of providing ground
- Built-in locking washer

RoHS Compliant



For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	DIMENSIONS: in.			Screw Sz (B)	Price Each		
		Length	A	Thick		1	100	1000
534-903	A	7/8	3/32	.018	4	.15	.07	.04
534-904	A	7/8	3/32	.018	6	.15	.07	.04
534-905	A	7/8	3/32	.018	8	.16	.08	.05
534-905-10	A	7/8	3/32	.018	10	.15	.07	.04
534-909	B	47/64	3/32	.018	4	.15	.08	.04
534-916	B	47/64	3/32	.018	6	.15	.08	.04
534-917	B	47/64	3/32	.018	8	.15	.08	.04
534-908	C	5/8	3/32	.018	4	.14	.07	.04
534-914	C	5/8	3/32	.018	6	.14	.07	.06
534-915	C	5/8	3/32	.018	8	.14	.07	.04
534-910	D	23/32	3/32	.018	4	.16	.08	.06
534-918	D	23/32	3/32	.018	6	.14	.07	.04
534-906	D	23/32	3/32	.018	8	.14	.07	.04
534-7317	E	13/16	3/32	.018	4	.15	.07	.04
534-7318	E	13/16	3/32	.018	6	.15	.07	.04
534-7319	E	13/16	3/32	.018	8	.15	.07	.04



∗ Non-locking

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	DIMENSIONS: in.			Screw Sz (B)	Price Each		
		Length	A	Thick		1	100	1000
534-7314	F	23/32	3/32	.018	4	.15	.08	.04
534-7315	F	23/32	3/32	.018	6	.15	.08	.04
534-7316	F	23/32	3/32	.018	8	.15	.08	.04
534-7311	G	41/64	3/32	.018	4	.14	.07	.04
534-7312	G	41/64	3/32	.018	6	.14	.07	.04
534-7313	G	41/64	3/32	.018	8	.14	.07	.04
∗534-7328	H	17/32	.076	.015	4	.15	.07	.04
∗534-7329	H	17/32	.076	.015	6	.15	.07	.04
∗534-7330	H	17/32	.076	.015	8	.15	.07	.04
534-7325	I	11/16	5/64	.020	4	.14	.07	.06
534-7326	I	11/16	5/64	.020	6	.14	.07	.06
534-7327	I	11/16	5/64	.020	8	.14	.07	.06
534-7333	J	7/8	3/32	.020	8	.12	.10	.09
534-4004	H	.515	.093	.016	-	.12	.06	.06

TEST POINTS GLASS BEAD INSULATOR

Our PCB test point and terminals feature a large loop for easy probe attachment or to facilitate the clipping on of other components.

They are ideal for components which need frequent replacement and are also suitable for raising hot components above the surface of the PCB.

A glass bead in a choice of eight colors for identification purposes ensures a snug fit on the board. White, yellow, black, brown, blue, pink, red and green are available. Other colors available upon request.

The unique shape of the test point will not damage through-plated holes during assembly yet prevents any movement prior to soldering.

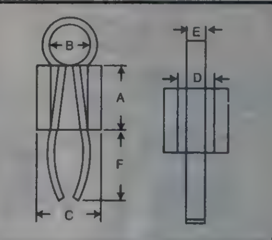
Also ideal as terminals.

- Three sizes
- Choice of eight colors

RoHS Compliant

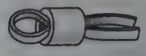
DIMENSIONS: in.	
.040" Mounting Hole	.052" Mounting Hole
A= .120-.130 B= .051-.059 C= .087-.097 D= .042-.052 E= .020 F= .109	A= .112-.122 B= .080-.085 C= .113-.123 D= .059-.069 E= .032 F= .109 F= .141 *

* 3 / 32" board thickness only



Small

Large


Large Long Legged

Material:
Bead: boro silicate sintered glass
Tag: phosphor bronze B5384 solder tinned

Price Each					
1	100	500	1000	5000	10000
.30	.198	.152	.132	.119	.107

[†] Note: Coefficient of expansion is quoted for the range of 50°C to 300°C.

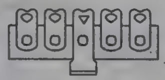
Glass Bead										
[†] Coeff.	Density	Viscosity Poise °C			Log (OHM. CM)			Dielectric Properties	
Term. Expn x10°⁶/°C	g/cc	14.6	13	7.6	TR.	DC. Resistivity		at 1MHZ at 20°C	
		10	10	10	100	250°C	350°C	Const	Loss Angle
4.94	2.27	475	515	719	365	10.01	8.2	5.7	0.003

MOUSER STOCK NO.	Board Thickness (In.)	Mounting Hole (In.)	MOUSER STOCK NO.	Board Thickness (In.)	Mounting Hole (In.)	MOUSER STOCK NO.	Board Thickness (In.)	Mounting Hole (In.)	Color
151-201-RC	1/16	.040	151-101-RC	1/16	.052	151-301-RC	3/32	.052	White
151-202-RC	1/16	.040	151-102-RC	1/16	.052	151-302-RC	3/32	.052	Yellow
151-203-RC	1/16	.040	151-103-RC	1/16	.052	151-303-RC	3/32	.052	Black
151-204-RC	1/16	.040	151-104-RC	1/16	.052	151-304-RC	3/32	.052	Brown
151-205-RC	1/16	.040	151-105-RC	1/16	.052	151-305-RC	3/32	.052	Blue
151-206-RC	1/16	.040	151-106-RC	1/16	.052	151-306-RC	3/32	.052	Pink
151-207-RC	1/16	.040	151-107-RC	1/16	.052	151-307-RC	3/32	.052	Red
151-208-RC	1/16	.040	151-108-RC	1/16	.052	151-308-RC	3/32	.052	Green

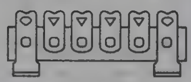
TERMINAL STRIPS

- Lug: tin plated
- Strip: phenolic .375"x.062"
- Mount: for #6 screw

A



B



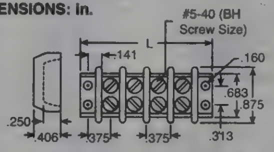
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Desc.	Price Each		
			1	10	100
158-1002	A	2 lugs	.25	.17	.15
158-1003	A	3 lugs	.44	.29	.26
158-1004	A	4 lugs	.49	.36	.33
158-1005	A	5 lugs	.65	.43	.39
158-1006	B	6 lugs	.66	.51	.46
158-1007	B	7 lugs	.76	.51	.46
158-1008	B	8 lugs	.98	.65	.59

BARRIER TERMINAL BLOCKS

Insulator material is molded phenolic. Eyelets are nickel plated brass, screws are nickel plated steel, 10 amp rated. Universal screw head fits slotted or phillips screwdriver.

DIMENSIONS: in.



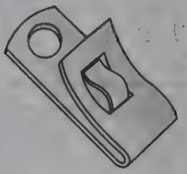
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Term.	L	Price Each		
			1	10	100
15BB002	2	1.425	1.51	1.16	1.05
15BB004	4	2.175	2.35	1.81	1.65
15BB008	8	3.675	3.53	2.72	2.47
15BB010	10	5.175	4.38	3.37	3.07

FAHNESTOCK CLIPS

Features:

- Quick connect/disconnect
- Wire clip
- Battery clip
- Terminal/connector
- Nickel plated, spring brass

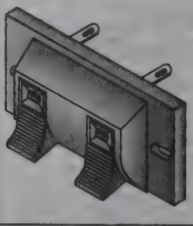


For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Screw Size	W x L (In.)	Price Each			
			1	100	1000	5000
524-11-4034C	6	5/16 x 3/4	.21	.19	.14	.13

COMPRESSION TERMINAL BLOCKS

Quick connect terminals. Ideal for speaker systems and other audio or low voltage applications. These terminal blocks firmly grasp stripped wire. Color coded (black and red)

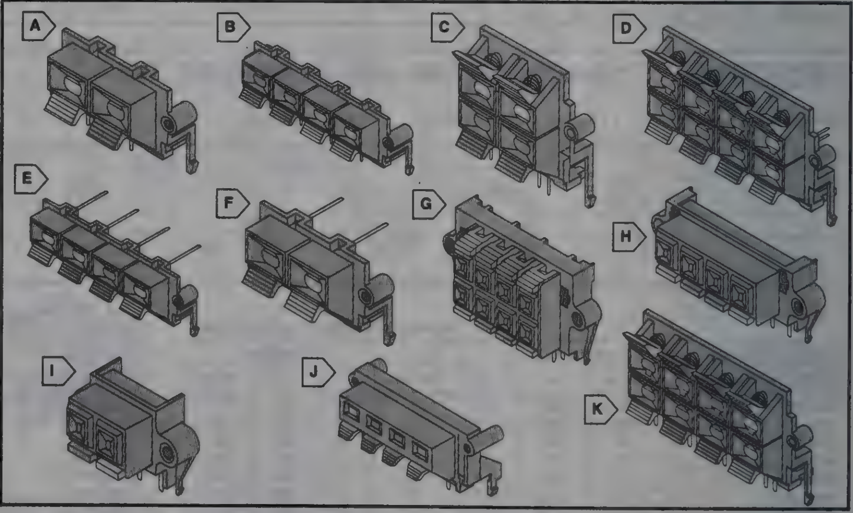


MOUSER STOCK NO.	Position	Price Each			
		1	10	100	500
15CT200	2	1.17	.91	.83	.75
151-0400	4	1.46	1.22	1.12	1.01

COMPRESSION TERMINALS

Printed circuit terminals. Ideal for speaker systems and other audio or low voltage applications. These terminal blocks firmly grasp stripped wire. Buttons are color coded black and red.

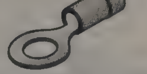
RoHS Compliant

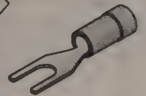


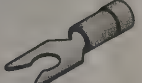
MOUSER STOCK NO.	Fig.	Position	Price Each			
			1	10	100	500
151-0300-E	A	2	.64	.49	.45	.41
151-CJ9002-E	B	4	1.18	.91	.70	.54
151-CJ9007-E	C	4	1.18	.91	.70	.54
151-CJ9011-E	D	8	1.85	1.42	1.09	.84
151-CJ9012-E	E	4	1.31	1.01	.78	.60
151-CJ9018-E	F	2	.86	.66	.51	.39

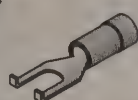
MOUSER STOCK NO.	Fig.	Position	Price Each			
			1	10	100	500
151-CJ9019-E	G	8	1.98	1.52	1.17	.90
151-CJ9020-E	H	4	1.31	1.01	.78	.60
151-CJ9021-E	I	2	.86	.66	.51	.39
151-CJ9028-E	J	4	1.39	1.07	.82	.63
151-CJ9031-E	K	8	1.98	1.52	1.17	.90

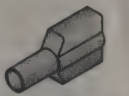
KOBICONN Insulated / Uninsulated Terminals

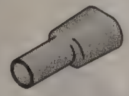
A


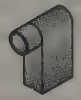
B


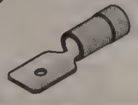
C


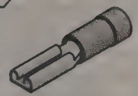
D


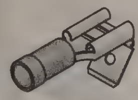
E


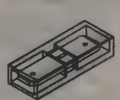
F


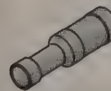
G


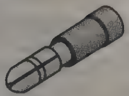
H


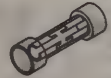
I


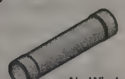
J


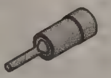
K


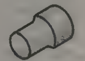
L


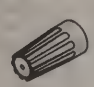
M


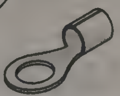
N


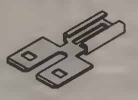
O

No Window

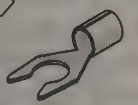
P


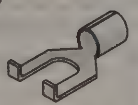
Q


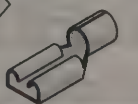
R


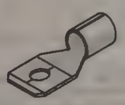
S


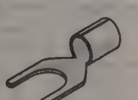
T


U


V


W


X


Y


INSULATED SOLDERLESS TERMINALS

Ring Terminals Vinyl Insulated

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each			
					1	100	1000	5000
159-2201	A	Red	1/4"	22-16	.18	.117	.10	.079
159-2202	A	Red	5/16"	22-16	.18	.117	.10	.079
159-2204	A	Red	#4	22-16	.15	.087	.075	.058
159-2206	A	Red	#6	22-16	.15	.087	.075	.058
159-2208	A	Red	#8	22-16	.15	.087	.075	.058
159-2210	A	Red	#10	22-16	.15	.087	.075	.058
159-1601	A	Blue	#4	16-14	.14	.082	.068	.056
159-1602	A	Blue	1/4"	16-14	.19	.122	.105	.082
159-1603	A	Blue	5/16"	16-14	.16	.122	.105	.082
159-1606	A	Blue	#6	16-14	.15	.087	.075	.058
159-1608	A	Blue	#8	16-14	.15	.087	.075	.058
159-1610	A	Blue	#10	16-14	.15	.087	.075	.058
159-1201	A	Yellow	#6	12/10	.19	.122	.105	.082
159-1202	A	Yellow	#8	12/10	.22	.148	.122	.096
159-1203	A	Yellow	#10	12/10	.22	.148	.122	.096
159-1204	A	Yellow	1/4"	12/10	.31	.197	.17	.128
159-1205	A	Yellow	5/16"	12/10	.35	.212	.185	.141
159-1206	A	Yellow	3/8"	12/10	.35	.212	.185	.141

Spade Terminals Vinyl Insulated

159-2226	B	Red	#6	22-16	.15	.087	.075	.058
159-2228	B	Red	#8	22-16	.15	.087	.075	.058
159-2220	B	Red	#10	22-16	.15	.087	.075	.058
159-1626	B	Blue	#6	16-14	.15	.087	.075	.058
159-1628	B	Blue	#8	16-14	.15	.087	.075	.058
159-1620	B	Blue	#10	16-14	.15	.087	.075	.058
159-1207	B	Yellow	#8	12/10	.22	.148	.122	.095
159-1208	B	Yellow	#10	12/10	.22	.148	.122	.095

Locking Spade Terminals Vinyl Insulated

159-2203	C	Red	#6	22-16	.15	.087	.075	.058
159-2207	C	Red	#8	22-16	.15	.087	.075	.058
159-2209	C	Red	#10	22-16	.15	.087	.075	.058
159-1605	C	Blue	#6	16-14	.16	.098	.079	.062
159-1607	C	Blue	#8	16-14	.16	.098	.079	.062

Flanged Spade Terminals Vinyl Insulated

159-2236	D	Red	#6	22-16	.15	.087	.075	.058
159-2238	D	Red	#8	22-16	.15	.087	.075	.058
159-2230	D	Red	#10	22-16	.15	.087	.075	.058
159-1636	D	Blue	#6	16-14	.15	.087	.075	.058
159-1638	D	Blue	#8	16-14	.15	.087	.075	.058
159-1630	D	Blue	#10	16-14	.15	.087	.075	.058

Couplers (Male) Nylon Insulated

MOUSER STOCK NO.	Fig.	Color	Wire Size (AWG)	Tab Width (In.)	Price Each			
					1	100	1000	5000
159-3251	E	Red	22-16	.250x.032	.26	.21	.185	.113
159-7251	E	Blue	16-14	.250x.032	.26	.21	.185	.113

Couplers (Female) Vinyl Insulated

159-2215	F	Red	22-16	.250x.032	.18	.117	.10	.079
159-1618	F	Blue	16-14	.250x.032	.18	.117	.10	.079

Couplers (Female) Nylon Insulated

159-3250	F	Red	22-16	.250x.032	.26	.21	.185	.113
159-7250	F	Blue	16-14	.250x.032	.26	.21	.185	.113

Flag Disconnects (Female) Nylon Insulated

159-2225	G	Red	22-16	.250x.032	.26	.21	.185	.113
159-1625	G	Blue	16-14	.250x.032	.26	.21	.185	.113

Disconnects Vinyl Insulated

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each			
					1	100	1000	5000
159-2250	H	Red	.250x.032	22-16	.15	.087	.075	.058
159-6250	H	Blue	.250x.032	16-14	.15	.087	.075	.058
159-1210	H	Yellow	.250x.032	22-10	.16	.098	.079	.066
159-2211	I	Red	.11x.020	22-16	.15	.087	.075	.058
159-2187	I	Red	.187x.020	22-16	.15	.087	.075	.058
159-2205	I	Red	.20x.020	22-16	.15	.087	.075	.058
159-2251	I	Red	.250x.032	22-16	.15	.087	.075	.058
159-1604	I	Blue	.110x.020	16-14	.13	.105	.082	.056
159-6187	I	Blue	.187x.020	16-14	.15	.087	.075	.058
159-6205	I	Blue	.20x.020	16-14	.15	.087	.075	.058
159-6251	I	Blue	.250x.032	16-14	.15	.087	.075	.058
159-1209	I	Yellow	.250x.032	12/10	.17	.123	.105	.072
159-2212	J	Red	.250x.032	22-16	.21	.111	.096	.087
159-1611	J	Blue	.250x.032	16-14	.22	.148	.122	.088

Adapter- Male to Male Disconnect Vinyl Insulated

159-1502	K	Clear	.250x.032	- - - -	.32	.197	.17	.133

Bullet Connectors Vinyl Insulated

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Stud Size	Wire Size (AWG)	Price Each			
					1	100	1000	5000
159-2156	L	Red	0.157	22-16	.17	.123	.105	.08
159-3156	M	Red	0.157	22-16	.15	.087	.075	.058
159-1612	L	Blue	0.157	16-14	.21	.111	.096	.076
159-1613	L	Blue	0.195	16-14	.18	.117	.10	.079
159-1615	M	Blue	0.157	16-14	.14	.082	.068	.056
159-1616	M	Blue	0.195	16-14	.15	.087	.075	.058

Adapter- Bullet to Bullet Connector Vinyl Insulated

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Wire Size (AWG)	Tab Width (In.)	Price Each			
					1	100	1000	5000
159-1501	N	Yellow	0.156	- - - - -	.28	.17	.155	.117

Butt Connectors Vinyl Insulated

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Wire Size (AWG)	Tab Width (In.)	Price Each			
					1	100	1000	5000
159-1622	O	Red	- - - -	22-16	.15	.087	.075	.058
159-1614	O	Blue	- - - -	16-14	.15	.087	.075	.058
159-1213	O	Yellow	- - - -	12/10	.27	.17	.141	.111

Pin Terminals Vinyl Insulated

For quantities of 10,000 and up, call for quote.

159-2213	P	Red	0.074	22-16	.16	.098	.079	.062
159-1617	P	Blue	0.074	16-14	.16	.098	.079	.062
159-1211	P	Yellow	0.11	12/10	.34	.213	.185	.141

Closed End Terminals Vinyl Insulated

† 2x14 AWG or 1x8 AWG

For quantities of 10,000 and up, call for quote.

159-1801	Q	- - - -	- - - -	12/10	.30	.185	.155	.123
159-1802	Q	- - - -	- - - -	14-8†	.32	.197	.17	.133

Wire Nuts

For quantities of 10,000 and up, call for quote.

159-2216	R	Gray	- - - -	22-16	.15	.087	.075	.071
159-2214	R	Orange	- - - -	22-14	.13	.087	.075	.063
159-1803	R	Yellow	- - - -	18-12	.18	.117	.10	.074
159-1804	R	Red	- - - -	18-10	.24	.141	.123	.097

UNINSULATED SOLDERLESS TERMINALS

Brazed Seam Except Where Noted

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Stud Size	Wire Size (AWG)	Price Each			
				1	100	1000	5000
Ring Terminals Non-Insulated							
159-2222	S	#4	22 - 16	.10	.06	.051	.041
159-2223	S	#6	22 - 16	.10	.06	.051	.041
159-2224	S	#8	22 - 16	.10	.06	.051	.041
159-2227	S	#10	22 - 16	.10	.063	.056	.042
159-2229	S	1/4"	22 - 16	.10	.063	.056	.042
159-2231	S	5/16"	22 - 16	.10	.063	.056	.042
159-1627	S	#4	16 - 14	.11	.072	.059	.043
159-1629	S	#6	16 - 14	.11	.072	.059	.043
159-1632	S	#10	16 - 14	.11	.072	.059	.043
159-1633	S	1/4"	16 - 14	.17	.104	.088	.068
159-1634	S	5/16"	16 - 14	.17	.104	.088	.068
159-1217	S	#8	12/10	.21	.123	.108	.087
159-1218	S	#10	12/10	.21	.123	.108	.087
159-1219	S	1/4"	12/10	.30	.163	.139	.108
159-1220	S	5/16"	12/10	.30	.163	.139	.108
159-1221	S	3/8"	12/10	.30	.163	.139	.108
Double Male/Female Adapter							
159-1226	T	.250 x .032	- - - - - -	.21	.134	.113	.091
Locking Spade Terminals Non-Insulated							
159-2241	U	#6	22 - 16	.10	.06	.051	.041
159-2242	U	#8	22 - 16	.10	.06	.051	.041
159-1644	U	#6	16 - 14	.10	.073	.062	.048
159-1645	U	#8	16 - 14	.10	.073	.062	.048
Flange Spade Terminals Non-Insulated Butted Seam							
159-2244A	V	#6	22 - 16	.10	.06	.051	.041
159-2245	V	#8	22 - 16	.10	.06	.051	.041
159-1647	V	#6	16 - 14	.10	.063	.056	.042
159-1649	V	#10	16 - 14	.10	.063	.056	.042
Disconnects Non-Insulated Butted Seam							
159-2235	W	.110 x .020	22 - 16	.06	.034	.03	.025
159-2237	W	.187 x .020	22 - 16	.09	.049	.042	.033
159-2239A	W	.205 x .020	22 - 16	.09	.049	.042	.033
159-2240	W	.250 x .032	22 - 16	.13	.074	.064	.05
159-1640	W	.110 x .020	16 - 14	.06	.034	.03	.025
159-1641	W	.187 x .020	16 - 14	.09	.049	.043	.033
159-1642	W	.205 x .020	16 - 14	.09	.049	.043	.033
159-1643	W	.250 x .032	16 - 14	.13	.074	.064	.05
159-1224	W	.250 x .032	12/10	.13	.075	.064	.05
159-1650	X	.250 x .032	16 - 14	.09	.049	.042	.033
159-1225	X	.250 x .032	12/10	.13	.079	.067	.055
Spade Terminals Non-Insulated							
159-2232	Y	#6	22 - 16	.10	.06	.051	.041
159-2233	Y	#8	22 - 16	.10	.06	.051	.041
159-2234	Y	#10	22 - 16	.10	.072	.062	.048
159-1635	Y	#6	16 - 14	.11	.072	.062	.048
159-1637	Y	#8	16 - 14	.11	.072	.062	.048
159-1639	Y	#10	16 - 14	.11	.072	.062	.048
159-1222	Y	#8	12/10	.18	.117	.10	.074

RING TONGUE TERMINALS

- Material: Copper

RoHS Compliant

Krimptite®, Non Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19069-0042	19069-0042	A	18-22	1/4	.11	.10	.09	.08
538-19069-0049	19069-0049	A	18-22	3/8	.14	.12	.11	.10
538-19069-0107	19069-0107	A	14-16	1/4	.11	.10	.09	.08
538-19069-0109	19069-0109	A	14-16	5/16	.11	.10	.09	.08

Insulkrimp®, PVC Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19070-0040	19070-0040	B	18-22	5-6	.16	.13	.12	.11
538-19070-0013	19070-0013	B	18-22	8	.16	.13	.12	.11
538-19070-0015	19070-0015	B	18-22	10	.16	.13	.12	.11
538-19070-0023	19070-0023	B	18-22	1/4	.18	.14	.13	.12
538-19070-0067	19070-0067	B	14-16	3-4	.16	.13	.12	.11
538-19070-0069	19070-0069	B	14-16	5-6	.16	.13	.12	.11
538-19070-0086	19070-0086	B	14-16	8	.16	.13	.12	.11
538-19070-0090	19070-0090	B	14-16	10	.16	.13	.12	.11
538-19070-0075	19070-0075	B	14-16	1/4	.18	.14	.13	.12
538-19070-0059	19070-0059	B	14-16	3/8	.21	.16	.14	.13
538-19070-0143	19070-0143	B	10-12	5-6	.26	.20	.17	.15
538-19070-0123	19070-0123	B	10-12	10	.22	.17	.15	.14
538-19070-0132	19070-0132	B	10-12	1/4	.26	.20	.18	.17
538-19070-0155	19070-0155	B	10-12	5/16	.33	.25	.23	.21
538-19070-0153	19070-0153	B	10-12	3/8	.29	.22	.20	.18

Avikrimp®, Nylon Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19073-0005	19073-0005	B	18-22	1-2	.21	.16	.14	.13
538-19073-0007	19073-0007	B	18-22	3-4	.21	.16	.14	.13
538-19073-0038	19073-0038	B	18-22	5-6	.21	.16	.14	.13
538-19073-0013	19073-0013	B	18-22	8	.22	.17	.15	.14
538-19073-0017	19073-0017	B	18-22	10	.22	.17	.15	.14
538-19073-0024	19073-0024	B	18-22	1/4	.25	.20	.18	.16
538-19073-0027	19073-0027	B	18-22	5/16	.28	.22	.19	.18
538-19073-0032	19073-0032	B	18-22	3/8	.28	.22	.20	.18
538-19073-0067	19073-0067	B	14-16	5-6	.22	.17	.16	.14
538-19073-0083	19073-0083	B	14-16	5-6	.23	.18	.16	.14
538-19073-0085	19073-0085	B	14-16	8	.23	.18	.16	.14
538-19073-0087	19073-0087	B	14-16	10	.23	.18	.16	.14
538-19073-0076	19073-0076	B	14-16	1/4	.25	.19	.17	.16
538-19073-0079	19073-0079	B	14-16	5/16	.25	.19	.17	.16
538-19073-0059	19073-0059	B	14-16	3/8	.29	.22	.20	.18
538-19073-0170	19073-0170	B	10-12	10	.36	.28	.25	.23
538-19073-0236	19073-0236	B	10-12	3/8	.46	.36	.30	.27
538-19073-0145	19073-0145	B	10-12	1/2	.56	.45	.39	.35

SNAP SPADE TERMINALS

- Material: Copper

RoHS Compliant

Insulkrimp®, PVC Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19099-0009	19099-0009	C	18-22	5-6	.16	.13	.12	.11
538-19099-0003	19099-0003	C	18-22	8	.12	.11	.10	.09
538-19099-0015	19099-0015	C	18-22	10	.21	.16	.14	.13
538-19099-0034	19099-0034	C	14-16	10	.18	.14	.13	.12
538-19099-0044	19099-0044	C	10-12	5-6	.25	.19	.17	.16
538-19099-0038	19099-0038	C	10-12	8	.16	.13	.12	.11

SPADE TONGUE TERMINALS

- Material: Copper

Insulkrimp®, PVC Insulated

For quantities of 5000 and up, call for quote.

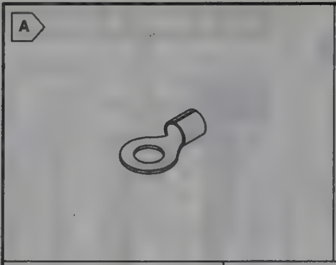
MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19144-0001	19144-0001	D	18-22	5-6	.16	.13	.12	.11
538-19144-0003	19144-0003	D	18-22	8	.16	.13	.12	.11
538-19144-0005	19144-0005	D	18-22	10	.16	.13	.12	.11
538-19144-0018	19144-0018	D	14-16	5-6	.14	.12	.11	.10
538-19144-0020	19144-0020	D	14-16	8	.16	.13	.12	.11
538-19144-0026	19144-0026	D	14-16	10	.16	.13	.12	.11
538-19144-0037	19144-0037	D	10-12	5-6	.23	.18	.16	.15
538-19144-0039	19144-0039	D	10-12	8	.25	.20	.18	.16

Avikrimp®, Nylon Insulated

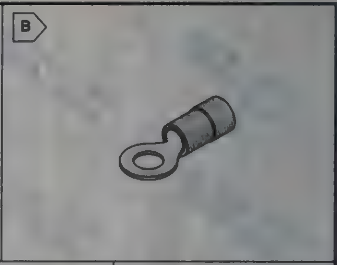
For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19198-0070	19198-0070	D	18-22	5-6	.21	.16	.15	.14
538-19198-0004	19198-0004	D	18-22	8	.25	.19	.17	.16
538-19198-0006	19198-0006	D	18-22	10	.25	.19	.17	.16
538-19198-0016	19198-0016	D	14-16	5-6	.21	.17	.15	.14
538-19198-0025	19198-0025	D	14-16	10	.26	.20	.18	.16
538-19198-0044	19198-0044	D	10-12	5-6	.37	.29	.26	.24
538-19198-0047	19198-0047	D	10-12	8	.37	.29	.26	.24

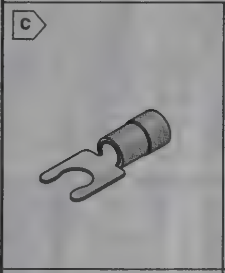
A



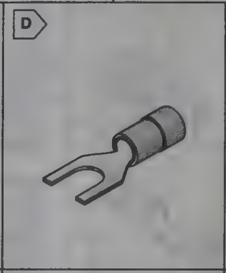
B



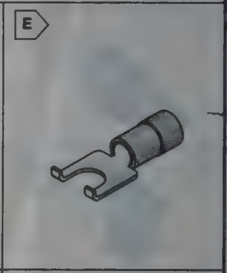
C



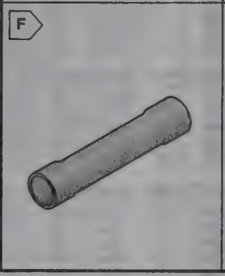
D



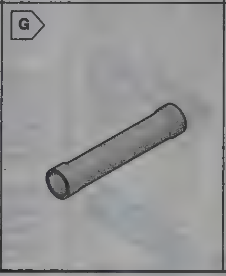
E



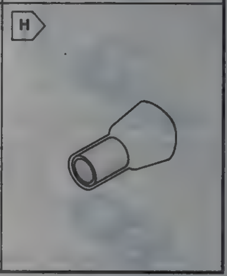
F



G



H



FLANGED SPADE TERMINALS

Insulkrimp®, PVC Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19121-0005	19121-0005	E	22-18	5-6	.16	.13	.12	.11
538-19121-0007	19121-0007	E	22-18	8	.18	.14	.13	.12
538-19121-0009	19121-0009	E	22-18	10	.16	.13	.12	.11
538-19121-0028	19121-0028	E	16-14	8	.16	.13	.12	.11
538-19121-0030	19121-0030	E	14-16	10	.18	.14	.13	.12
538-19121-0053	19121-0053	E	10-12	8	.28	.22	.20	.18
538-19121-0056	19121-0056	E	10-12	10	.28	.22	.20	.18

Avikrimp®, Nylon Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19127-0007	19127-0007	E	22-18	5-6	.25	.19	.17	.16
538-19127-0012	19127-0012	E	22-18	10	.27	.21	.19	.17
538-19127-0042	19127-0042	E	16-14	8	.26	.20	.18	.17
538-19127-0086	19127-0086	E	10-12	8	.41	.32	.29	.26
538-19127-0089	19127-0089	E	10-12	10	.41	.32	.29	.26

SPLICES

Step Down Butt Splices, Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each			
					1	100	500	1000
538-19154-0022	19154-0022	F	14/16-18/22	Blue w/red stripe	.82	.64	.57	.52
538-19154-0035	19154-0035	F	10/12-14/16	Yel. w/blue stripe	.90	.70	.63	.57

Butt Splices - Insulkrimp®, PVC Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each			
					1	100	500	1000
538-19154-0004	19154-0004	G	18-22	- - -	.11	.10	.09	.08
538-19154-0015	19154-0015	G	14-16	- - -	.14	.12	.11	.10
538-19154-0028	19154-0028	G	10-12	- - -	.21	.16	.14	.13

Closed-End Splices, Nylon-Insulated

Two piece construction. A translucent nylon-molded insulation is adhered to the metal connector insert. The connector's insert is annealed, Tin-plated, seamless, pure electrolytic, tough pitch copper. Individual design and performance requirements dictate the use of copper inserts. These connectors are all rated for a maximum of 600V.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each			
					1	100	500	1000
538-19160-0012	19160-0012	H	14-22	- - -	.12	.11	.10	.09
538-19160-0009	19160-0009	H	12-22	- - -	.11	.10	.09	.08
538-19160-0002	19160-0002	H	10-16	- - -	.14	.12	.11	.10

PERMA-SEAL TERMINALS

Perma-Seal terminals and splices provide a rugged, environmentally sealed connection for wire sizes 8 to 22 AWG that will insulate, seal and protect joints from physical abuse and abrasion, water, salt and other corrosive compounds. The inner wall of the heat-shrinkable Perma-Seal sleeve is lined with a special hot-melt adhesive that is inert at room temperature permitting wires to be inserted easily into the splices and terminals.

- All-weather, heat-sealable terminals and splices

Ring Tongue Terminals

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19164-0085	19164-0085	A	18-22	6	.66	.51	.46	.42
538-19164-0086	19164-0086	A	18-22	8	.74	.58	.52	.47
538-19164-0003	19164-0003	A	18-22	10	.66	.51	.46	.42
538-19164-0004	19164-0004	A	18-22	1/4	.74	.58	.52	.47
538-19164-0005	19164-0005	A	18-22	3/8	.74	.58	.52	.47
538-19164-0032	19164-0032	A	14-16	6	.77	.60	.54	.49
538-19164-0033	19164-0033	A	14-16	8	.69	.54	.48	.44
538-19164-0034	19164-0034	A	14-16	10	.69	.54	.48	.44
538-19164-0026	19164-0026	A	14-16	1/4	.69	.54	.48	.44
538-19164-0027	19164-0027	A	14-16	5/16	.74	.58	.52	.47
538-19164-0061	19164-0061	A	10-12	6	.86	.67	.60	.55
538-19164-0062	19164-0062	A	10-12	8	.86	.67	.60	.55
538-19164-0065	19164-0065	A	10-12	10	.83	.64	.58	.53
538-19164-0066	19164-0066	A	10-12	1/4	.73	.57	.51	.47
538-19164-0067	19164-0067	A	10-12	5/16	.83	.64	.58	.53

Spade Tongue Terminals

For quantities of 5000 and up, call for quote.

538-19164-0006	19164-0006	B	18-22	6	.71	.56	.50	.45
538-19164-0007	19164-0007	B	18-22	8	.74	.58	.52	.47
538-19164-0008	19164-0008	B	18-22	10	.74	.58	.52	.47
538-19164-0070	19164-0070	B	10-12	8	.86	.67	.60	.55
538-19164-0073	19164-0073	B	10-12	1/4	.91	.71	.64	.58

Butt Splices

For quantities of 5000 and up, call for quote.

538-19164-0013	19164-0013	C	18-22	- - -	.68	.53	.48	.43
538-19164-0044	19164-0044	C	14-16	- - -	.71	.56	.50	.45
538-19164-0056	19164-0056	C	10-12	- - -	.92	.72	.65	.59

Quick Disconnect Couplers

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (In.)	Price Each			
					1	100	500	1000
Male								
538-19164-0015	19164-0015	D	18-22	.250 by .032	.70	.54	.49	.45
538-19164-0048	19164-0048	D	14-16	.250 by .032	.73	.56	.51	.46
538-19164-0075	19164-0075	D	10-12	.250 by .032	1.11	.87	.78	.71
Female								
538-19164-0017	19164-0017	E	18-22	.250 by .032	.70	.54	.49	.44
538-19164-0050	19164-0050	E	14-16	.250 by .032	.72	.56	.51	.46
538-19164-0076	19164-0076	E	10-12	.250 by .032	1.00	.78	.70	.64

FULLY INSULATED QUICK DISCONNECTS

Fully Insulated Insulkrimp Female Quick Disconnects (Standard Flare)

RoHS Compliant

Features:

- Designed for dense packaging requirements.
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp.
- A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires.
- Color coded translucent insulator allows easy identification of terminal size and wire gauge.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (IN.)	Color	Price Each			
						1	100	500	1000
538-19003-0071	19003-0071	F	24-26	.250 x .032	Yellow	.16	.13	.12	.11
538-19003-0064	19003-0064	F	24-26	.187 x .020	Yellow	.23	.18	.16	.15
538-19003-0001	19003-0001	F	18-22	.250 x .032	Red	.18	.14	.13	.12
538-19003-0129	19003-0129	F	18-22	.187 x .020	Red	.23	.18	.16	.15
538-19003-0011	19003-0011	F	18-22	.187 x .020	Red	.18	.14	.13	.12
538-19003-0040	19003-0040	F	14-16	.250 x .032	Blue	.21	.16	.14	.13
538-19003-0044	19003-0044	F	14-16	.250 x .032	Blue	.23	.18	.16	.15
538-19003-0050	19003-0050	F	14-16	.187 x .020	Blue	.22	.17	.16	.14

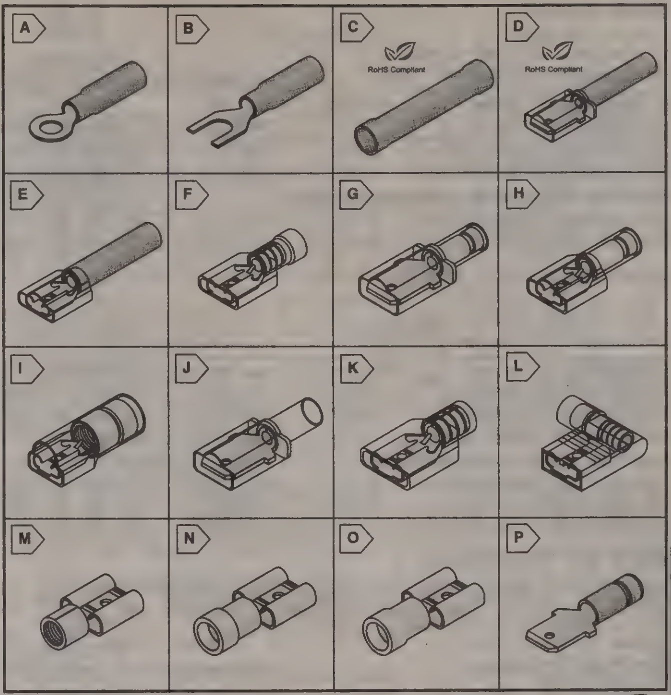
Fully Insulated Avikrimp Quick Disconnects (Standard Flare)

Avikrimp version gives you the extra advantage of the secure metal support sleeve. These parts fulfill the double crimp (support) requirements of VDE and other DIN specifications. They are the premier line when full insulation and strain relief are required.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (IN.)	Color	Price Each			
						1	100	500	1000
Male									
538-19001-0001	19001-0001	G	18-22	.250 x .032	Red	.39	.30	.27	.25
538-19001-0003	19001-0003	G	18-22	.187 x .020	Red	.39	.30	.27	.25
538-19001-0006	19001-0006	G	14-16	.250 x .032	Blue	.39	.30	.27	.25
538-19001-0008	19001-0008	G	14-16	.187 x .020	Blue	.39	.30	.27	.25
538-19001-0010	19001-0010	G	10-12	.250 x .032	Yellow	.46	.36	.32	.29
Female									
538-19002-0001	19002-0001	H	18-22	.250 x .032	Red	.35	.27	.25	.22
538-19002-0005	19002-0005	H	18-22	.187 x .020	Red	.35	.27	.25	.22
538-19002-0009	19002-0009	H	18-22	.187 x .032	Red	.29	.23	.20	.19
538-19002-0013	19002-0013	H	18-22	.110 x .020	Red	.36	.28	.25	.23
538-19002-0024	19002-0024	H	14-16	.250 x .032	Blue	.35	.27	.25	.22
538-19002-0028	19002-0028	H	14-16	.187 x .020	Blue	.36	.28	.25	.23
538-19002-0031	19002-0031	H	14-16	.187 x .032	Blue	.30	.23	.21	.19
538-19002-0037	19002-0037	H	14-16	.110 x .032	Blue	.36	.28	.25	.23
*538-19002-0044	19002-0044	I	10-12	.250 x .032	Yellow	.42	.33	.29	.27

*Expanded Flare/Oval Barrel



FULLY INSULATED COUPLERS

These fully insulated couplers are precision engineered, allowing the female terminal to fit precisely into the corresponding male housing, allowing a fully insulated in-line splice. This splice may be connected and disconnected without damage to the nylon insulation.

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (IN.)	Color	Price Each			
						1	100	500	1000
*538-19004-0001	19004-0001	J	18-22	.250 x .032	Red	.22	.17	.16	.14
**538-19005-0010	19005-0010	K	10-12	.250 x .032	Yellow	.30	.24	.21	.19

*Male **Female

FULLY INSULATED QUICK DISCONNECT FLAGS

- Space saving design

RoHS Compliant

Avikrimp® Fully Pre-Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts Tab Size (IN.)	Color	Price Each			
						1	100	500	1000
538-19006-0001	19006-0001	L	18-22	.250 x .032	Red	.37	.28	.26	.23
538-19006-0011	19006-0011	L	14-16	.250 x .032	Blue	.36	.28	.25	.23
538-19006-0019	19006-0019	L	10-12	.250 x .032	Yellow	.74	.57	.52	.47
538-19006-0005	19006-0005	L	18-22	.187 x .020	Red	.37	.28	.26	.23

Fully Insulated (Standard Flare)

For quantities of 5000 and up, call for quote.

538-19007-0001	19007-0001	L	18-22	.250 x .032	Red	.27	.21	.19	.17
538-19007-0009	19007-0009	L	18-22	.187 x .020	Red	.27	.21	.19	.17
538-19007-0021	19007-0021	L	14-16	.250 x .032	Blue	.27	.21	.19	.17
538-19007-0040	19007-0040	L	10-12	.250 x .032	Yellow	.34	.27	.24	.22
538-19007-0029	19007-0029	L	14-16	.187 x .020	Blue	.27	.21	.19	.17

QUICK DISCONNECTS

- Full tin-plated brass construction with closed electrical barrels.

RoHS Compliant

Krimptite® Butted Seam Non-Insulated - Female

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Accepts tab Size (IN.)	Price Each			
					1	100	500	1000
538-19016-0009	19016-0009	M	18-22	.250 x .032	.10	.09	.08	.07
538-19016-0006	19016-0006	M	18-22	.187 x .032	.10	.09	.08	.07

Insulkrimp® PVC Insulated - Female

For quantities of 5000 and up, call for quote.

538-19017-0037	19017-0037	N	14-16	.250 x .032	.14	.12	.11	.10

Avikrimp® Nylon Insulated With Vibration Support - Female

For quantities of 5000 and up, call for quote.

538-19019-0012	19019-0012	O	18-22	.250 x .032	.21	.16	.14	.13
538-19019-0031	19019-0031	O	14-16	.250 x .032	.21	.16	.14	.13
538-19019-0022	19019-0022	O	14-16	.110 x .020	.25	.19	.17	.16
538-19019-0037	19019-0037	O	10-12	.250 x .032	.34	.26	.24	.22
538-19019-0006	19019-0006	O	18-22	.187 x .020	.21	.16	.14	.13
538-19019-0027	19019-0027	O	14-16	.187 x .020	.21	.16	.14	.13
538-19019-0004	19019-0004	O	18-22	.110 x .032	.23	.18	.16	.14
538-19019-0001	19019-0001	O	18-22	.110 x .020	.24	.19	.17	.16

Krimptite® Economical Non-Insulated - Male

For quantities of 5000 and up, call for quote.

538-19022-0004	19022-0004	P	18-22	.250 x .032	.11	.10	.09	.08
538-19022-0006	19022-0006	P	18-22	.187 x .020	.11	.10	.09	.08

SNAP PLUGS

- Designed to SAE specifications
- Can be connected and disconnected repeatedly
- Material: Copper

RoHS Compliant

Insulkrimp®, PVC Insulation - Male

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Max. Wire Insul. Dia	Price Each			
					1	100	500	1000
538-19034-0005	19034-0005	A	18-22	3.60 (.140)	.25	.19	.17	.16
538-19034-0009	19034-0009	A	14-16	4.40 (.175)	.23	.18	.16	.15

Avikrimp®, Extruded Nylon Insulation - Male

For quantities of 5000 and up, call for quote.

538-19036-0003	19036-0003	B	18-22	3.60 (.140)	.29	.23	.20	.19
538-19036-0008	19036-0008	B	14-16	4.40 (.175)	.33	.26	.23	.21

SNAP RECEPTACLES

- Designed to SAE specifications
- Can be connected and disconnected repeatedly
- Material: Brass

RoHS Compliant

Insulkrimp®, PVC Insulation - Female

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Max. Wire Insul. Dia	Price Each			
					1	100	500	1000
538-19038-0001	19038-0001	C	18-22	3.50 (.140)	.18	.14	.13	.12
538-19038-0007	19038-0007	C	14-16	4.30 (.170)	.16	.13	.12	.11

Avikrimp®, Nylon Insulation - Female

For quantities of 5000 and up, call for quote.

538-19039-0001	19039-0001	D	18-22	3.20 (.125)	.25	.19	.17	.16
538-19039-0004	19039-0004	D	18-22	3.25 (.128)	.28	.22	.20	.18
538-19039-0006	19039-0006	D	14-16	3.80 (.150)	.25	.19	.18	.16

WIRE PIN TERMINALS

Wire Pin Terminals offer quick and easy connections in applications where set screws or clamps are used to make electrical contact with the wire. Wire pins simplify the insertion of stranded wire into European style terminal blocks and other components, by preventing wire strand foldback, assuring a proper electrical contact and a stronger connection than just wire alone.

- Material: Pure Electrolytic Copper

RoHS Compliant

Krimptite®, Non-Insulated

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each			
					1	100	500	1000
538-19211-0001	19211-0001	E	10-12	-------	.12	.11	.09	.08
538-19211-0005	19211-0005	E	14-16	-------	.26	.20	.18	.17

Insulkrimp®, PVC Insulation

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each			
					100	500	1000	5000
538-19212-0003	19212-0003	F	18-22	Red	.22	.17	.16	.14
538-19212-0005	19212-0005	F	14-16	Blue	.26	.20	.18	.17
538-19212-0001	19212-0001	F	10-12	Yellow	.18	.16	.14	.11

Avikrimp®, Nylon Insulation

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each			
					1	100	500	1000
538-19213-0009	19213-0009	G	18-22	Red	.29	.23	.19	.17
538-19213-0011	19213-0011	G	14-16	Blue	.23	.19	.17	.16
538-19213-0007	19213-0007	G	10-12	Yellow	.29	.22	.20	.18

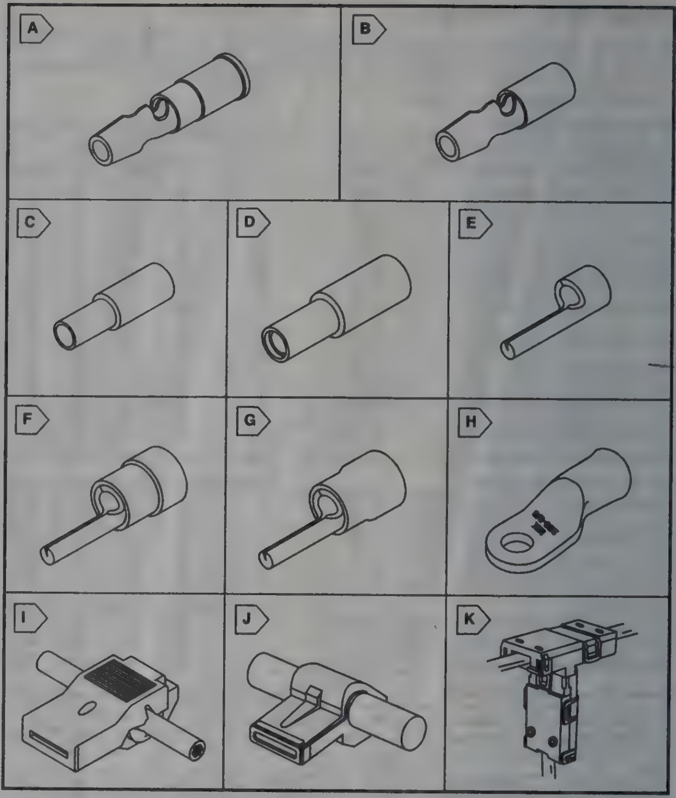
HEAVY DUTY RING TONGUE TERMINALS

- Ul listed, CSA certified
- Crimps in industry standard tooling
- Seamless barrel design
- Can be easily soldered or crimped
- Flared barrel entry for easy wire insertion
- AWG wire size identification on barrel
- Made of CDA-110 Copper stock offering 100% conductivity

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Stud Size	Price Each			
					1	100	500	1000
538-19221-0223	19221-0223	H	8	10	.66	.49	.42	.34
538-19221-0224	19221-0224	H	8	1/4	.69	.51	.45	.43
538-19221-0225	19221-0225	H	8	5/16	.66	.49	.42	.34
538-19221-0424	19221-0424	H	6	10	1.13	.83	.71	.58
538-19221-0495	19221-0495	H	6	1/4	1.02	.75	.64	.52
538-19221-0452	19221-0452	H	4	10	1.07	.78	.67	.55
538-19221-0230	19221-0230	H	4	1/4	1.23	.90	.78	.63
538-19221-0232	19221-0232	H	4	3/8	1.05	.94	.85	.77
538-19221-0231	19221-0231	H	4	5/16	1.20	.88	.76	.62
538-19221-0418	19221-0418	H	2	1/4	.81	.72	.64	.58
538-19221-0235	19221-0235	H	2	3/8	1.57	1.16	.99	.81
538-19221-0233	19221-0233	H	2	5/16	1.82	1.65	1.50	1.38
538-19221-0420	19221-0420	H	1	1/4	3.01	2.21	1.90	1.55
538-19221-0238	19221-0238	H	1	3/8	1.75	1.29	1.11	.90
538-19221-0237	19221-0237	H	1	5/16	1.54	1.38	1.24	1.12
538-19221-0241	19221-0241	H	1/0	3/8	1.39	1.20	.92	.78
538-19221-0240	19221-0240	H	1/0	5/16	2.19	1.61	1.38	1.13
538-19221-0242	19221-0242	H	1/0	1/2	1.45	1.19	.92	.80
538-19221-0244	19221-0244	H	2/0	3/8	1.26	1.13	.97	.85
538-19221-0243	19221-0243	H	2/0	5/16	1.08	.98	.91	.84
538-19221-0245	19221-0245	H	2/0	1/2	1.08	.97	.89	.78
538-19221-0247	19221-0247	H	3/0	3/8	3.28	2.41	2.24	2.11
538-19221-0250	19221-0250	H	4/0	3/8	4.12	3.03	2.60	2.12
538-19221-0412	19221-0412	H	4/0	5/16	4.12	3.03	2.60	2.12
538-19221-0251	19221-0251	H	4/0	1/2	3.28	2.66	2.52	2.38



INSULATED DISPLACEMENT CONNECTORS (IDC)

Self-tapping (IDC) Tap-And-Run connectors. The quick, convenient Multi-Lock connectors have many uses. Using only ordinary channel-lock pliers, these color-coded connectors make quick, reliable, pre-insulated splices without stripping, twisting, soldering, or the need for special tools. They will tap-splice, pigtail-splice, parallel-splice or in-line splice insulated copper wire conductors for a wide range of applications.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Wire Size (AWG)	Color	Price Each			
					100	500	1000	5000
538-19216-0011	19216-0011	I	18-22	Red	.41	.36	.30	.27
538-19216-0010	19216-0010	I	14-18	Blue	.36	.32	.27	.24
538-19216-0009	19216-0009	I	12	Yellow	.32	.29	.27	.25
538-19216-0018	19216-0018	J	18-22	Red	.19	.17	.15	.12
538-19216-0017	19216-0017	J	14-18	Blue	.17	.15	.13	.12
538-19216-0019	19216-0019	J	12	Yellow	.25	.23	.20	.18

WIRERITE™ ELECTRICAL REPAIR KIT FOR HOME & AUTO

The Molex WireRite™ has everything you need for household and automotive electrical repairs. WireRite provides the tools you need to fix lamps, appliances, audio/video equipment, the wiring in your home and under the hood of your car, and much more. With electrical components, heavy-duty tools and test instruments, this handy compact kit is perfect for do-it-yourselfers and semi-professionals alike. Instructions for application and usage are permanently attached to the inside of the kit, so you can be sure you're making repairs correctly and safely.

155 Piece Kit Includes:

- (1) Multi-meter with test leads
- (1) Needle nosed pliers
- (1) Heavy duty crimp tool
- (1) Circuit tester
- (1 set) Alligator clips with leads
- (6) 22-18 AWG nylon butt splices
- (6) 16-14 AWG nylon butt splices
- (6) 12-10 AWG nylon butt splices
- (10) 22-14 AWG wire nuts
- (6) 22-10 AWG wire nuts
- (4) 22-8 AWG wire nuts
- (5) 22-18 AWG female disconnects
- (5) 22-18 AWG male disconnects
- (5) 16-14 AWG female disconnects
- (5) 16-14 AWG male disconnects
- (4) 16-14 AWG piggyback disconnects
- (6) 22-18 AWG #8 stud ring terminal
- (6) 16-14 AWG #10 stud ring terminal
- (4) 12-10 AWG 1/4" stud ring terminal
- (1) 3/8" heat shrink tubing
- (1) 1/4" heat shrink tubing
- (20) 4" cable ties
- (40) 7" cable ties
- (1) Fuse Puller
- (4) Glass fuses (1 each) 2 amp, 10 amp, 15 amp, and 20 amp
- (5) Automotive fuses (1) 10 amp, (2) 15 amp, (1) 20 amp, (1) 30 amp
- (1) 5 foot spool 16 AWG general purpose wire 600V.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Price Each	
		1	5
538-19413-0065	19413-0065	46.50	41.85

FASTJUNCTION™ MODULAR SPLICE & TAP KIT

Makes splicing and tapping Romex fast, easy and safe

Benefits:

- Replaces a junction box - great for adding ceiling fans, outlets, etc.
- No special tools needed - just 10" pliers, easy to disconnect
- Mounts easily with screws or nails

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Rating	Size	Price Each	
					1	5
538-19413-0044	19413-0044	K	300V, 20.0A	1.55"d x 2.50"w x 350"l	10.95	9.93

MOLEX Tools for Terminals and Splices

HAND TOOLS FOR TERMINALS AND SPLICES

Features:
- Premium grade and service grade hand tools
- Service grade ratchet and non-rachet

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Molex Part No.	Description	Price Each	
			1	5
538-64001-0100	64001-0100	Premium grade ratchet hand tool for closed barrel, 10-22 AWG insulated terminals and splices	238.28	229.45
538-64003-0100	64003-0100	Premium grade ratchet hand tool for closed barrel, 10-22 AWG uninsulated terminals and splices	275.00	258.00
538-64001-0600	64001-0600	Premium grade ratchet hand tool for 10-22 AWG nylon closed end connectors	292.95	282.10
538-64001-7400	64001-7400	Premium grade ratchet hand tool for closed barrel, 10-22 AWG Perma-Seal terminals and splices	360.00	336.00
538-64001-4500	64001-4500	Premium grade ratchet hand tool for closed barrel, 10-22 AWG Perma-Seal step down butt splices and 14-22 AWG fully insulated quick disconnect couplers for male and female	268.58	258.64
538-64016-0038	64016-0038	Service grade ratchet hand tool for closed barrel, 10-22 AWG non-insulated terminals and splices	36.76	34.13
538-64016-0036	64016-0036	Service grade ratchet hand tool for closed barrel, 10-22 AWG insulated terminals and splices	36.76	34.13
538-64016-0042	64016-0042	Service grade ratchet hand tool for closed barrel, step down butt splices 10-22 AWG and 14-22 AWG male and female fully insulated quick disconnects	36.76	34.13
538-64016-0041	64016-0041	Service grade ratchet hand tool for closed barrel, 10-22 AWG Perma-Seal terminals and splices	36.76	34.13
538-64016-0039	64016-0039	Service grade non-ratchet multi-function hand tool for 10-22 AWG insulated and non-insulated terminals strips and cuts wire 10-22 AWG and cuts a variety of screw sizes	5.89	5.47
538-64001-0200	64001-0200	Premium grade ratchet hand tool for closed barrel, 10-22 AWG insulated quick disconnects	238.28	229.45
538-64001-2300	64001-2300	Premium grade ratchet hand tool for AviKrimp® and InsulKrimp® closed barrel, 18-22 AWG snap plug receptacles	306.95	295.58
538-64003-1100	64003-1100	Premium grade ratchet hand tool for Krimptite® closed barrel, 14-22 AWG non-insulated quick disconnects and bullet receptacles	306.95	295.58
538-64001-4300	64001-4300	Premium grade ratchet hand tool for AviKrimp® closed barrel, 14-22 AWG fully insulated quick disconnect flags	257.85	248.30
538-64001-2800	64001-2800	Premium grade ratchet hand tool for AviKrimp® closed barrel, 10-12 AWG fully insulated quick disconnect flags	294.30	283.40
538-64001-4700	64001-4700	Premium grade ratchet hand tool for InsulKrimp® closed barrel, 14-22 AWG male and female fully insulated quick disconnect couplers, Perma-Seal quick disconnect couplers and snap plug receptacles, conductor only crimp	306.95	295.58
538-64001-0800	64001-0800	Premium grade ratchet hand tool for AviKrimp® closed barrel, 18-22 AWG female fully insulated quick disconnects	256.50	247.00
538-64001-2600	64001-2600	Premium grade ratchet hand tool for AviKrimp® closed barrel, 14-22 AWG male fully insulated quick disconnects	256.50	247.00
538-64001-0400	64001-0400	Premium grade ratchet hand tool for InsulKrimp® closed barrel, 10-22 AWG quick disconnect terminals	279.45	269.00
538-64001-5200	64001-5200	Premium grade ratchet hand tool for InsulKrimp® closed barrel, 24-26 AWG female fully insulated quick disconnects, conductor crimp only	306.95	295.58
538-64001-4600	64001-4600	Premium grade ratchet hand tool for AviKrimp® closed barrel, 10-12 AWG male quick disconnects	306.95	295.58
538-64001-4900	64001-4900	Premium grade ratchet hand tool for AviKrimp® closed barrel, 10-16 AWG fully insulated quick disconnect female couplers and Perma-Seal fully insulated snap plug receptacles	306.95	295.58
538-64016-0037	64016-0037	Service grade ratchet hand tool for closed barrel, 10-22 AWG insulated quick disconnects	36.76	34.13
538-19284-0034	19284-0034	Premium grade ratchet hand tool for heavy duty ring tongue terminals	115.00	110.00

TERMINAL TO HAND TOOL MATRIX

Features:
- Tool selection matrix for Molex terminals on the preceding pages

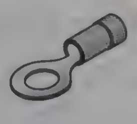
MOUSER STOCK NO.	Molex Premium Grade Ratchet Hand Tool	Molex Service Grade Ratchet Hand Tool	Molex Service Grade Non-Ratchet Hand Tool
538-19069-xxxx	64003-0100	64016-0038	64016-0039
538-19070-xxxx	64001-0100	64016-0036	64016-0039
538-19073-xxxx	64001-0100	64016-0036	64016-0039
538-19099-xxxx	64001-0100	64016-0036	64016-0039
538-19144-xxxx	64001-0100	64016-0036	64016-0039
538-19198-xxxx	64001-0100	64016-0036	64016-0039
538-19121-xxxx	64001-0100	64016-0036	64016-0039
538-19127-xxxx	64001-0100	64016-0036	64016-0039
538-19154-xxxx	64001-0100	64016-0036	64016-0039
538-19160-xxxx	64001-0600	-	-
538-19003-0071	64001-5200	-	-
538-19003-0064	64001-5200	-	-
538-19003-0001	64001-0400	64016-0042	64016-0039
538-19003-0129	64001-0400	64016-0042	64016-0039
538-19003-0011	64001-0400	64016-0042	64016-0039
538-19003-0040	64001-0400	64016-0042	64016-0039
538-19003-0044	64001-0400	64016-0042	64016-0039
538-19003-0050	64001-0400	64016-0042	64016-0039
538-19001-0001	64001-2600	64016-0042	64016-0039
538-19001-0003	64001-2600	64016-0042	64016-0039
538-19001-0006	64001-2600	64016-0042	64016-0039
538-19001-0008	64001-2600	64016-0042	64016-0039
538-19001-0010	64001-4600	-	64016-0039
538-19002-0001	64001-0800	64016-0042	64016-0039
538-19002-0005	64001-0800	64016-0042	64016-0039
538-19002-0009	64001-0800	64016-0042	64016-0039
538-19002-0013	64001-0800	64016-0042	64016-0039
538-19002-0024	64001-1100	64016-0042	64016-0039
538-19002-0028	64001-1100	64016-0042	64016-0039
538-19002-0031	64001-1100	64016-0042	64016-0039
538-19002-0037	64001-1100	64016-0042	64016-0039
538-19002-0044	64001-0200	64016-0037	64016-0039
538-19004-0001	64001-4700	-	64016-0039
538-19005-0010	64001-4900	-	64016-0039
538-19006-0001	64001-4300	-	64016-0039
538-19006-0011	64001-4300	-	64016-0039
538-19006-0019	64001-2800	-	64016-0039
538-19006-0005	64001-4300	-	64016-0039
538-19007-0001	64001-4100	-	64016-0039
538-19007-0009	64001-4100	-	64016-0039
538-19007-0021	64001-4100	-	64016-0039
538-19007-0040	64001-2800	-	64016-0039
538-19007-0029	64001-4100	-	64016-0039
538-19016-xxxx	64003-1100	-	64016-0039
538-19017-0037	64001-0200	64016-0037	64016-0039
538-19019-xxxx	64001-0200	64016-0037	64016-0039
538-19022-xxxx	64003-0100	64016-0038	64016-0039
538-19034-xxxx	64001-0100	64016-0036	64016-0039

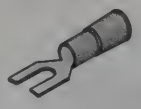
MOUSER STOCK NO.	Molex Premium Grade Ratchet Hand Tool	Molex Service Grade Ratchet Hand Tool	Molex Service Grade Non-Ratchet Hand Tool
538-19036-xxxx	64001-0100	64016-0036	64016-0039
538-19038-xxxx	64001-2300	-	64016-0039
538-19039-xxxx	64001-2300	-	64016-0039
538-19211-xxxx	64003-0100	64016-0038	64016-0039
538-19212-xxxx	64001-0100	64016-0036	64016-0039
538-19213-xxxx	64001-0100	64016-0036	64016-0039
538-19221-0223	19284-0034	-	-
538-19221-0224	19284-0034	-	-
538-19221-0225	19284-0034	-	-
538-19221-0424	19284-0034	-	-
538-19221-0495	19284-0034	-	-
538-19221-0452	19284-0034	-	-
538-19221-0230	19284-0034	-	-
538-19221-0232	19284-0034	-	-
538-19221-0231	19284-0034	-	-
538-19221-0418	19284-0034	-	-
538-19221-0235	19284-0034	-	-
538-19221-0233	19284-0034	-	-
538-19221-0420	19284-0034	-	-
538-19221-0238	19284-0034	-	-
538-19221-0237	19284-0034	-	-
538-19221-0241	19284-0034	-	-
538-19221-0240	19284-0034	-	-
538-19221-0242	19284-0034	-	-
538-19221-0244	19284-0034	-	-
538-19221-0243	19284-0034	-	-
538-19221-0245	19284-0034	-	-
538-19221-0247	19284-0034	-	-
538-19221-0250	19284-0034	-	-
538-19221-0412	19284-0034	-	-
538-19221-0251	19284-0034	-	-

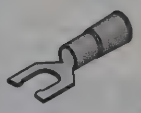
MOUSER STOCK NO.	Molex Premium Grade Ratchet Hand Tool	Molex Service Grade Ratchet Hand Tool	Molex Service Grade Non-Ratchet Hand Tool
Ring and Spade Tongue Terminals			
538-19164-xxxx	64001-3200	64016-0041	64016-0039
Butt Splices			
538-19164-xxxx	64001-3200	64016-0041	64016-0039
Quick Disconnect Couplers			
538-19164-0015	64001-4500	64016-0042	64016-0039
538-19164-0084	64001-4500	64016-0042	64016-0039
538-19165-0075	64001-0100	64016-0036	64016-0039
538-19164-0012	64001-4500	64016-0042	64016-0039
538-19164-0050	64001-4500	64016-0042	64016-0039
538-19164-0076	64001-0100	64016-0036	64016-0039

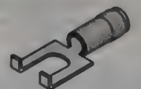
PANDUIT Terminals

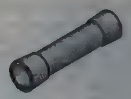
RoHS Compliant **This page of product is compliant.**

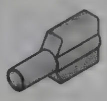
A


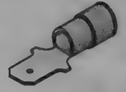
B


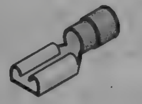
C


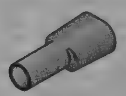
D


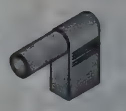
E


F


G


H


I


J


SOLDERLESS TERMINALS

- Price each is per terminal
- All terminals feature brazed seam construction

Stock No. Suffix Denotes Standard Package Quantity:
L = 50, C = 100, D = 500, M = 1000

RoHS Compliant
For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Stud Size	Color	Price Each			
					1	100	500	1000
Vinyl Ring								
644-PV18-6R-MY	A	22-18	6	Red	.76	.62	.47	.31
644-PV18-8R-MY	A	22-18	8	Red	.76	.62	.47	.31
644-PV18-4RX-MY	A	22-18	4	Red	.24	.22	.20	.19
644-PV18-6RX-MY	A	22-18	6	Red	.24	.22	.20	.19
644-PV18-8RX-MY	A	22-18	8	Red	.25	.22	.21	.20
644-PV18-10RX-MY	A	22-18	10	Red	.23	.19	.19	.18
644-PV14-6R-M	A	16-14	6	Blue	.71	.59	.44	.19
644-PV14-8R-M	A	16-14	8	Blue	.71	.19	.18	.16
644-PV14-10R-M	A	16-14	10	Blue	.71	.59	.44	.19
644-PV14-14R-M	A	16-14	1/4	Blue	.96	.59	.24	.21
644-PV14-4RX-C	A	16-14	4	Blue	.80	.67	.53	.48
644-PV14-6RX-M	A	16-14	6	Blue	.22	.19	.19	.18
644-PV14-8RX-M	A	16-14	8	Blue	.22	.19	.19	.18
644-PV14-10RX-M	A	16-14	10	Blue	.22	.20	.19	.18
644-PV14-14RX-M	A	16-14	1/4	Blue	.33	.29	.27	.24
644-PV10-8R-D	A	12-10	8	Yellow	.88	.56	.23	.19
644-PV10-10R-D	A	12-10	10	Yellow	.88	.55	.23	.19
644-PV10-14R-D	A	12-10	1/4	Yellow	1.13	.70	.29	.25
644-PV10-6RX-L	A	12-10	6	Yellow	1.02	.80	.62	.59
644-PV10-8RX-L	A	12-10	8	Yellow	1.06	.82	.64	.60
644-PV10-10RX-L	A	12-10	10	Yellow	1.01	.78	.62	.60
644-PV10-14RX-L	A	12-10	1/4	Yellow	1.23	.97	.75	.73
Nylon Ring								
644-PN18-14R-M	A	22-18	1/4	Red	1.18	.69	.48	.36
644-PN18-56R-M	A	22-18	5/16	Red	1.29	.75	.54	.41
644-PN18-4R-M	A	22-18	4	Red	1.15	.64	.45	.35
644-PN18-10R-M	A	22-18	10	Red	1.15	.64	.45	.35
644-PN18-4RN-M	A	22-18	4	Red	.32	.28	.24	.24
644-PN18-6RN-M	A	22-18	6	Red	.31	.28	.24	.24
644-PN18-8R-M	A	22-18	8	Red	.31	.25	.24	.24
644-PN14-4R-M	A	16-14	4	Blue	1.16	.64	.47	.34
644-PN14-56R-M	A	16-14	5/16	Blue	1.25	.75	.54	.41
644-PN14-6R-M	A	16-14	6	Blue	.31	.29	.28	.24
644-PN14-8R-M	A	16-14	8	Blue	.31	.28	.24	.24
644-PN14-6RX-C	A	16-14	6	Blue	1.37	1.06	.86	.78
644-PN14-8RX-C	A	16-14	8	Blue	1.25	.97	.78	.72
644-PN14-10RX-C	A	16-14	10	Blue	1.35	1.06	.84	.82
644-PN10-6R-D	A	12-10	6	Yellow	1.23	.95	.72	.40
644-PN10-8R-L	A	12-10	8	Yellow	1.17	.92	.73	.70
644-PN10-14R-L	A	12-10	1/4	Yellow	1.16	.91	.72	.70
644-PN10-6RX-L	A	12-10	6	Yellow	1.81	1.40	1.12	1.01
644-PN10-8RX-L	A	12-10	8	Yellow	1.72	1.37	1.08	1.02
644-PN10-10RX-L	A	12-10	10	Yellow	1.77	1.41	1.11	1.02
644-PN10-14RX-L	A	12-10	1/4	Yellow	1.65	1.32	1.09	1.02
644-PN10-56R-D	A	12-10	5/16	Yellow	1.34	1.04	.80	.40
644-PN10-38R-D	A	12-10	3/8	Yellow	1.16	.88	.69	.63
Vinyl Fork								
644-PV18-6F-MY	B	22-18	6	Red	.75	.63	.47	.19
644-PV18-8F-MY	B	22-18	8	Red	.76	.62	.47	.31
644-PV18-6FX-MY	B	22-18	6	Red	.23	.19	.18	.18
644-PV18-6FN-MY	B	22-18	6	Red	.19	.18	.17	.17
644-PV18-8FX-MY	B	22-18	8	Red	.23	.19	.18	.18
644-PV18-10F-MY	B	22-18	10	Red	.68	.42	.15	.14
644-PV14-6F-M	B	16-14	6	Blue	.71	.59	.44	.19
644-PV14-8F-M	B	16-14	8	Blue	.65	.53	.41	.17
644-PV14-10F-M	B	16-14	10	Blue	.71	.59	.46	.19
644-PV14-6FX-M	B	16-14	6	Blue	.22	.19	.19	.18
644-PV14-6FN-M	B	16-14	6	Blue	.19	.18	.16	.16
644-PV14-8FX-M	B	16-14	8	Blue	.22	.19	.19	.18
644-PV14-10FX-M	B	16-14	10	Blue	.22	.20	.19	.18
644-PV14-10FN-M	B	16-14	10	Blue	.19	.18	.16	.16
644-PV14-14F-M	B	16-14	1/4	Blue	.29	.24	.23	.23

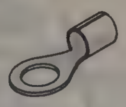
RoHS Compliant

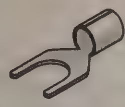
For quantities of 5000 and up, call for quote.

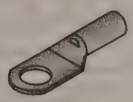
MOUSER STOCK NO.	Fig.	Wire Size	Stud Size	Color	Price Each			
					1	100	500	1000
Vinyl Fork (cont.)								
644-PV10-6F-D	B	12-10	6	Yellow	.90	.64	.25	.23
644-PV10-8F-D	B	12-10	8	Yellow	.81	.51	.21	.18
644-PV10-10F-D	B	12-10	10	Yellow	.95	.59	.24	.20
644-PV10-14F-D	B	12-10	1/4	Yellow	1.14	.72	.29	.26
644-PV10-8FX-L	B	12-10	8	Yellow	1.03	.82	.66	.59
644-PV10-10FX-L	B	12-10	10	Yellow	1.05	.82	.66	.60
644-PV10-14FX-L	B	12-10	1/4	Yellow	1.19	.93	.76	.68
Nylon Fork Insulated								
644-PNF18-6F-M	B	22-18	6	Red	.39	.34	.33	.31
644-PNF18-8F-M	B	22-18	8	Red	.39	.34	.33	.31
644-PNF18-10F-M	B	22-18	10	Red	.39	.34	.33	.31
644-PNF18-14F-C	B	22-18	1/4	Red	1.29	1.01	.81	.78
644-PNF14-6F-M	B	16-14	6	Blue	.39	.34	.33	.31
644-PNF14-8F-M	B	16-14	8	Blue	.39	.34	.33	.31
644-PNF14-10F-M	B	16-14	10	Blue	.39	.34	.33	.31
644-PNF10-6F-L	B	12-10	6	Yellow	1.50	1.16	.93	.88
644-PNF10-8F-L	B	12-10	8	Yellow	1.50	1.16	.93	.88
644-PNF10-10F-L	B	12-10	10	Yellow	1.50	1.16	.93	.88
644-PNF10-14F-L	B	12-10	1/4	Yellow	1.50	1.16	.93	.88
Vinyl Locking Fork								
644-PV18-6LF-MY	C	22-18	6	Red	.72	.62	.48	.31
Nylon Locking Fork								
644-PN18-8LF-M	C	22-18	8	Red	1.18	.95	.75	.34
644-PN18-10LF-M	C	22-18	1	Red	1.19	.95	.78	.35
644-PN14-6LF-M	C	16-14	6	Blue	1.21	.97	.78	.35
644-PN14-8LF-M	C	16-14	8	Blue	1.21	.97	.78	.35
644-PN14-10LF-M	C	16-14	10	Blue	1.17	.94	.75	.34
Vinyl Flanged Fork								
644-PN18-6LF-M	D	22-18	6	Red	1.12	.34	.30	.29
644-PN18-8FF-M	D	22-18	8	Red	1.40	1.08	.87	.40
644-PN18-10FF-M	D	22-18	10	Red	1.44	1.11	.90	.41
644-PN14-6FF-M	D	16-14	6	Blue	1.44	1.14	.91	.41
Vinyl Flanged Fork								
644-PN14-8FF-M	D	16-14	8	Blue	1.45	1.14	.91	.41
Vinyl Butt Splice								
644-BSV18X-MY	E	22-18	---	Red	.76	.59	.48	.29
644-BSV14X-M	E	16-14	---	Blue	.76	.59	.48	.29
644-BSV10X-D	E	12-10	---	Yellow	1.02	.76	.40	.35
Nylon Butt Splice								
644-BSN14-M	E	16-14	---	Blue	1.07	.91	.72	.31
Disconnect (male)								
644-DNF18-250FIM-M	F	22-18	.250x.032	Red	1.03	.85	.64	.43
644-DNF14-250FIM-M	F	16-14	.250x.032	Blue	1.05	.84	.66	.45
644-DNF18-250FIMB-L	F	22-18	.250x.032	Red	1.07	.82	.66	.63
644-DNF14-250FIMB-L	F	16-14	.250x.032	Blue	1.06	.83	.65	.62
644-DNF14-250M-M	G	16-14	.250x.032	Blue	1.26	1.08	.82	.28
644-DV18-250MB-MY	G	22-18	.250x.032	Red	1.03	.92	.68	.26
644-DV14-250MB-M	G	16-14	.250x.032	Blue	.99	.81	.71	.24
644-DNF10-250M-D	G	12-10	.250x.032	Yellow	1.08	.96	.82	.80
Disconnect (female)								
644-DNF18-110-M	H	22-18	.110x.032	Red	1.19	.98	.75	.44
644-DNF18-187-M	H	22-18	.187x.032	Red	1.14	.85	.58	.32
644-DNF18-250-M	H	22-18	.250x.032	Red	1.02	.76	.51	.29
644-DNF18-250FIB-M	I	22-18	.250x.032	Red	1.25	.99	.85	.36
644-DNF14-110-M	H	16-14	.110x.032	Blue	1.37	1.12	.92	.39
644-DNF14-187-M	H	16-14	.187x.032	Blue	1.13	.95	.74	.32
644-DNF14-250-M	H	16-14	.250x.032	Blue	1.14	.88	.69	.31
644-DV14-250B-M	H	16-14	.250x.032	Blue	.76	.63	.47	.19
644-DNF14-250FIB-M	I	16-14	.250x.032	Blue	1.04	.86	.74	.35
644-DNF10-250FI-D	I	12-10	.250x.032	Yellow	1.27	.82	.46	.44
Right Angle Disconnect (female) Tab Width								
644-DNFR14-250B-M	J	16-14	.250x.032	Blue	1.31	1.05	.92	.39

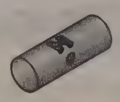
PANDUIT Terminals, Power Connectors and Tools

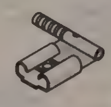
RoHS Compliant This page of product is compliant.

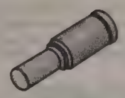
A


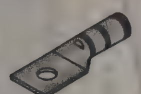
B


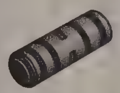
C


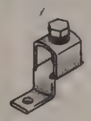
D


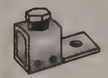
E


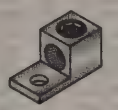
F


G


H


I


J


K


NON-INSULATED TERMINALS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Stud Size	Price Each			
				1	100	500	1000
Ring							
644-P18-4R-M	A	22-18	4	.31	.15	.13	.12
644-P18-8R-M	A	22-18	8	.31	.15	.13	.12
644-P18-10R-M	A	22-18	10	.31	.15	.13	.12
644-P14-4R-M	A	16-14	4	.32	.16	.13	.12
644-P14-6R-M	A	16-14	6	.31	.15	.13	.12
644-P14-8R-M	A	16-14	8	.31	.15	.13	.12
644-P10-6R-L	A	12-10	6	.50	.44	.37	.34
644-P10-8R-L	A	12-10	8	.48	.38	.30	.29
644-P10-14R-L	A	12-10	1/4	.67	.52	.42	.40
644-P10-56R-L	A	12-10	5/16	.69	.55	.44	.40
Fork							
644-P18-6F-M	B	22-18	6	.31	.15	.13	.12
644-P18-6FN-M	B	22-18	6	.31	.15	.13	.12
644-P18-8F-M	B	22-18	8	.32	.16	.14	.12
644-P18-10F-M	B	22-18	10	.32	.16	.14	.12
644-P18-10FN-C	B	22-18	10	.39	.30	.28	.25
644-P18-14F-M	B	22-18	14	.18	.17	.15	.15
644-P14-6F-M	B	16-14	6	.31	.15	.13	.12
644-P14-6FN-M	B	16-14	6	.31	.16	.13	.12
644-P14-8F-M	B	16-14	8	.32	.16	.13	.12
644-P14-10F-M	B	16-14	10	.32	.16	.14	.12
644-P14-10FN-M	B	16-14	10	.31	.16	.13	.12
644-P14-14F-M	B	16-14	1/4	.18	.17	.15	.15
644-P10-6F-L	B	12-10	6	.52	.40	.32	.30
644-P10-8F-L	B	12-10	8	.53	.42	.33	.31
644-P10-10F-L	B	12-10	10	.55	.43	.38	.33
644-P10-14F-L	B	12-10	1/4	.65	.50	.43	.39
Tubular Ring							
644-S6-10R-E	C	6	10	1.59	1.24	.99	.92
644-S6-14R-E	C	6	1/4	1.66	1.30	1.04	.95
644-S6-56R-E	C	6	5/16	1.58	1.23	.99	.92
644-S6-38R-E	C	6	3/8	1.58	1.23	.99	.92
644-S2-10R-X	C	2 & 1	10	4.22	3.29	2.64	2.44
644-S2-14R-X	C	2 & 1	1/4	3.99	3.12	2.50	2.30
644-S2-56R-X	C	2 & 1	5/16	4.08	3.18	2.54	2.31
644-S2-38R-X	C	2 & 1	3/8	4.08	3.18	2.54	2.32
Butt Splice							
644-BS18-M	D	22-18	----	.18	.17	.16	.15
644-BS14-M	D	16-14	----	.18	.17	.15	.13
Right Angle Female Disconnects (Sleeved Barrel)							
644-DR18-250-M	E	22-18	.250 x .032	.26	.24	.23	.20
644-DR14-250-M	E	16-14	.250 x .032	.26	.24	.21	.20
Right Angle Female Disconnects (Butted Seam)							
644-DR18-250B-M	E	22-18	.250 x .032	.21	.18	.17	.17
644-DR14-250B-M	E	16-14	.250 x .032	.21	.18	.17	.15

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Wire Size	Stud Size	Color	Price Each			
					1	100	500	1000
Nylon Wire Joint								
644-JN224-318-M	F	---	---	Clear	.46	.38	.35	.19
644-JN218-216-M	F	---	---	Clear	.46	.38	.35	.19

POWER CONNECTORS

Copper Compression Lugs and Splices

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Copper Conductor Size (AWG)	Locomotive Conductor Size	Die Color and No.	Bolt Hole Size	Price Each			
						1	10	100	500
644-LCA8-10-L	G	8	37/24	Red 21	#10	1.98	1.85	1.77	1.68
644-LCA8-14-L	G	8	37/24	Red 21	1/4"	1.98	1.85	1.77	1.68
644-LCA6-10-L	G	6	61/24	Blue 24	#10	2.18	2.05	1.95	1.84
644-LCA6-14-L	G	6	61/24	Blue 24	1/4"	2.05	1.91	1.84	1.77
644-LCA6-56-L	G	6	61/24	Blue 24	5/16"	2.19	2.04	1.96	1.84

POWER CONNECTORS

Copper Compression Lugs and Splices (cont.)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Copper Conductor Size (AWG)	Locomotive Conductor Size	Die Color and No.	Bolt Hole Size	Price Each			
						1	10	100	500
644-LCA6-38-L	G	6	61/24	Blue 24	3/8"	2.19	2.04	1.96	1.84
644-LCA4-14-L	G	4	105/24	Gray 29	1/4"	2.69	2.51	2.42	2.35
644-LCA2-14-Q	G	2	- - -	Brown 33	1/4"	5.09	4.75	4.58	4.42
644-LCA1-14-E	G	1	150/24	Green 37	1/4"	4.98	4.67	4.46	4.06
644-LCA1-38-E	G	1	150/24	Green 37	3/8"	5.74	5.38	5.12	4.84
644-LCA1-56-E	G	1	150/24	Green 37	5/16"	5.74	5.38	5.12	4.84
644-LCA1/0-38-X	G	1/0	225/24	Pink 42	3/8"	6.11	5.73	5.35	5.16
644-LCA2/0-38-X	G	2/0	275/24	Black 45	3/8"	7.09	6.73	6.40	6.07
644-SCS8-L	H	8	37/24	Red 21	- - -	2.63	2.47	2.35	2.22
644-SCS6-L	H	6	61/24	Blue 24	- - -	4.80	4.50	4.30	4.05
644-SCS2-Q	H	2	- - -	Brown 33	- - -	6.93	6.50	6.19	5.85
644-SCS1/0-X	H	1/0	225/24	Pink 42	- - -	8.38	7.85	7.47	7.27
644-SCS2/0-X	H	2/0	275/24	Black 45	- - -	8.99	8.43	8.03	7.80
644-SCS3/0-X	H	3/0	325/24	Orange 50	- - -	10.36	9.71	9.26	8.98

Controlled Cycle Crimping Tool

MOUSER STOCK NO.	Price Each
644-CT-1700	240.00

Hand Operated Plier Type Crimping Tool

MOUSER STOCK NO.	Price Each
644-CT-160	40.32

Mechanical Connectors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cond. Size Range	Current Rating (Amps)	Bolt Hole Size (In.)	Hex Key Size (In.)	Price Each			
						1	10	100	500
Copper Lugs									
644-CB175-38-QY	I	4-3/0	175	3/8	5/16	6.21	5.83	5.44	5.24
644-CB35-36-CY	I	14-6	50	3/16	- - -	1.18	1.10	1.03	.99
644-CBA70-14-CY	I	14-4	70	1/4	- - -	1.51	1.42	1.32	1.27
644-CX35-36-CY	J	14-6	50	3/16	- - -	1.04	.97	.93	.87
644-CX70-14-CY	J	14-4	70	1/4	- - -	1.63	1.53	1.46	1.38
644-CX125-14-QY	J	4-1/0	125	1/4	- - -	3.20	3.00	2.80	2.70
Aluminum Lugs									
644-LAMA6-14-QY	K	14-6	- - -	1/4	- - -	1.24	1.15	1.08	1.03
644-LAMA2-14QY	K	14-2	- - -	1/4	- - -	1.54	1.38	1.31	1.24
644-LAMA1/0-14-QY	K	14-1/0	- - -	1/4	- - -	2.19	2.05	2.00	1.92
644-LAMA2/0-14-QY	K	14-2/0	- - -	1/4	- - -	2.47	2.31	2.16	2.16
644-LAMA250-56-QY	K	6-250	- - -	5/16	3/8	5.59	5.24	4.98	4.71

Stock No. Suffix Denotes Standard Package Quantity: X = 10, Q = 25, L = 50, C = 100, D = 500, M = 1000

TERMINAL ACCESSORIES

KP-1075 includes the following:
20 each; PV18-8R, PV18-6R, PV14-8R, PV14-810R
10 each; PV10-8R, PV10-810R, DNF14-250, DNF18-250, BSV18X, BSV14X, BSV10X
5 each; JN418-212

MOUSER STOCK NO.	Description	Price Each
644-KP-1075	Terminal kit without crimping tool	59.33
644-K-1100	Terminal kit box with CT-100 (terminals not included)	106.98
644-CT-100	All purpose crimper/stripper tool	49.27
644-CT-200	Non-insulated crimper tool	44.56
644-CT-260	Crimp tool, insulated and non-insulated product	51.23

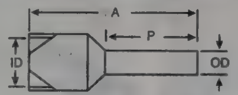
PANDUIT Insulated / Uninsulated Ferrules

PANDUIT

RoHS Compliant **This page of product is compliant.**

INSULATED FERRULES, SINGLE WIRE END SLEEVE

- Ease of wire insertion eliminates loose strands of wire
- No unwanted contacts when installing or removing the wire
- Encapsulated crimp eliminates stray wire breakage
- Great for limited space applications
- Wire strands will not fray or spread
- Maximizes a reliable electrical connection



RoHS Compliant

For quantities of 1000 and up, call for quote.

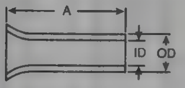
MOUSER STOCK NO.	Panduit Part No.	Wire Size		Color	Dimensions (mm)				Price Each				Tooling
		AWG	mm²		A	P	ID	OD	10	50	100	500	
644-FSD75-8-D	FSD75-8-D	22	0.50	WHITE	13.5	8.0	2.5	1.4	.46	.37	.30	.25	CT-1002 CT-1003
644-FSD75-10-D	FSD75-10-D	22	0.50	WHITE	15.5	10.0	2.5	1.4	.66	.52	.41	.31	
644-FSD76-8-D	FSD76-8-D	20	0.75	GREY	14.0	8.0	2.8	1.6	.46	.36	.29	.23	
644-FSD77-8-D	FSD77-8-D	18	1	RED	14.5	8.0	3.0	1.8	.56	.43	.34	.27	
644-FSD77-10-D	FSD77-10-D	18	1	RED	16.5	10.0	3.0	1.8	.64	.51	.40	.31	
644-FSD77-12-D	FSD77-12-D	18	1	RED	18.5	12.0	3.0	1.8	.66	.52	.41	.31	
644-FSD78-8-D	FSD78-8-D	16	1.5	BLACK	14.5	8.0	3.4	2.1	.89	.66	.54	.41	
644-FSD78-10-D	FSD78-10-D	16	1.5	BLACK	16.5	10.0	3.4	2.1	.81	.62	.48	.38	
644-FSD78-12-D	FSD78-12-D	16	1.5	BLACK	18.5	12.0	3.4	2.1	.97	.74	.58	.45	
644-FSD78-18-D	FSD78-18-D	16	1.5	BLACK	24.5	18.0	3.4	2.1	.81	.62	.48	.38	
644-FSD80-8-D	FSD80-8-D	14	2.50	BLUE	15.0	8.0	4.2	2.6	.76	.60	.46	.36	
644-FSD80-18-D	FSD80-18-D	14	2.50	BLUE	25.0	18.0	4.2	2.6	1.08	.82	.62	.52	
644-FSD81-10-D	FSD81-10-D	12	4	GRAY	17.5	10.0	4.8	3.3	1.20	.89	.72	.58	
644-FSD81-18-C	FSD81-18-C	12	4	GRAY	26.0	18.0	4.8	3.3	1.62	.93	.74	.52	
644-FSD82-12-C	FSD82-12-C	10	6	YELLOW	20.0	12.0	6.2	4.0	1.32	.85	.65	.46	

INSULATED FERRULES, TWIN WIRE END SLEEVE

RoHS Compliant **For quantities of 1000 and up, call for quote.**

MOUSER STOCK NO.	Panduit Part No.	Wire Size		Color	Dimensions (mm)				Price Each				Tooling
		AWG	mm²		A	P	ID	OD	10	50	100	500	
644-FTD75-8-D	FTD75-8-D	22	0.50	WHITE	15.0	8.0	1.5	1.8	.85	.66	.51	.42	CT-1002 CT-1003
644-FTD76-8-D	FTD76-8-D	20	0.75	GRAY	15.0	8.0	1.8	2.1	1.08	.82	.62	.52	
644-FTD77-8-D	FTD77-8-D	18	1	RED	15.0	8.0	2.1	2.4	1.21	.94	.75	.60	
644-FTD78-8-D	FTD78-8-D	16	1.5	BLACK	16.0	8.0	2.3	2.6	1.32	1.00	.81	.63	
644-FTD80-10-TL	FTD80-10-TL	14	2.5	BLUE	18.5	10.0	2.9	3.3	1.45	1.09	.87	.71	
644-FTD81-12-C	FTD81-12-C	12	4	GRAY	23.0	12.0	3.8	4.2	2.23	1.10	.89	.75	
644-FTD82-14-C	FTD82-14-C	10	6	YELLOW	25.0	14.0	4.6	5.0	2.46	1.17	.93	.80	CT-1003 CT-1004

NON-INSULATED FERRULES, SINGLE WIRE END SLEEVE



RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Panduit Part No.	Wire Size		Color	Dimensions (mm)			Price Each				Tooling
		AWG	mm²		A	ID	OD	100	200	500	1000	
644-F73-5-M	F73-5-M	24	0.25	NEUTRAL	5.0	0.8	1.1	.26	.19	.14	.13	CT-1002
644-F74-5-M	F74-5-M	24	0.34	NEUTRAL	5.0	0.9	1.2	.32	.23	.17	.15	
644-F75-6-M	F75-6-M	22	0.50	NEUTRAL	5.0	1.0	1.3	.29	.20	.18	.15	CT-1002 CT1003
644-F75-8-M	F75-8-M	22	0.50	NEUTRAL	8.0	1.0	1.3	.35	.24	.21	.18	
644-F76-6-M	F76-6-M	20	0.75	NEUTRAL	6.0	1.2	1.5	.35	.24	.21	.18	
644-F76-8-M	F76-8-M	20	0.75	NEUTRAL	8.0	1.2	1.5	.29	.20	.18	.15	
644-F76-10-M	F76-10-M	20	0.75	NEUTRAL	10.0	1.2	1.5	.29	.20	.18	.15	
644-F76-12-M	F76-12-M	20	0.75	NEUTRAL	12.0	1.2	1.5	.29	.20	.18	.15	
644-F77-6-M	F77-6-M	18	1	NEUTRAL	6.0	1.4	1.7	.29	.20	.18	.15	
644-F77-7-M	F77-7-M	18	1	NEUTRAL	7.0	1.4	1.7	.35	.24	.21	.18	
644-F77-8-M	F77-8-M	18	1	NEUTRAL	8.0	1.4	1.7	.29	.20	.18	.15	
644-F78-7-M	F78-7-M	16	1.5	NEUTRAL	7.0	1.7	2.0	.31	.23	.19	.16	
644-F78-8-M	F78-8-M	16	1.5	NEUTRAL	8.0	1.7	2.0	.38	.27	.23	.20	
644-F78-10-M	F78-10-M	16	1.5	NEUTRAL	10.0	1.7	2.0	.31	.23	.19	.16	
644-F78-15-M	F78-15-M	16	1.5	NEUTRAL	15.0	1.7	2.0	.31	.23	.19	.16	
644-F80-7-M	F80-7-M	14	2.5	NEUTRAL	7.0	2.2	2.5	.33	.26	.20	.18	
644-F80-10-M	F80-10-M	14	2.5	NEUTRAL	10.0	2.2	2.5	.34	.26	.21	.18	
644-F80-15-M	F80-15-M	14	2.5	NEUTRAL	15.0	2.2	2.5	.55	.40	.34	.26	
644-F81-9-M	F81-9-M	12	4	NEUTRAL	9.0	2.8	3.2	.48	.37	.28	.23	
644-F81-15-M	F81-15-M	12	4	NEUTRAL	15.0	2.8	3.2	.74	.56	.45	.34	
644-F82-10-M	F82-10-M	10	6	NEUTRAL	10.0	3.5	3.9	.45	.35	.26	.24	

FERRULE END SLEEVE CRIMPING TOOLS

These ergonomically engineered crimping tools promote operator comfort and safety, which leads to greater productivity.

- 2 year warranty
- Low Handle Effort-Increases productivity
- Superior Crimp Performance

RoHS Compliant

MOUSER STOCK NO.	Panduit Part No.	Description	Price Each
644-CT-1002	CT-1002	Crimps PANDUIT #26-#10 AWG single wire vinyl insulated ferrules. #22-#12 AWG vinyl insulated dual-wire ferrules, #24-#10 AWG non-insulated ferrules.	308.11
644-CT-1003	CT-1003	Crimps PANDUIT #22-#8 AWG single wire insulated ferrules. #22-#12 AWG vinyl insulated dual-wire ferrules. #22-#10 AWG non-insulated ferrules.	308.11

FERRULE KITS

RoHS Compliant

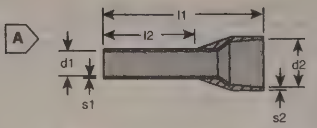
Plastic case, Assorted Insulated and Non-Insulated Ferrules

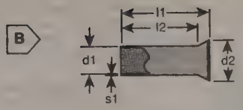
MOUSER STOCK NO.	Panduit Part No.	Description	Price Each
644-KP-FSD1	KP-FSD1	#24-#18 AWG insulated. Kit includes: 30 pcs. ea. of FSD73-6, FSD74-6, FSD75-8, FSD76-8 and FSD77-8	77.18
644-KP-FSD2	KP-FSD2	#22-#14 AWG Insulated. Kit includes 100 pcs. ea. of FSD76-8, FSD77-8, FSD78-8 and 50 pcs. ea. of FSD75-8 and FSD80-8.	88.85
644-KP-FSD3	KP-FSD3	#12-#6 AWG Insulated.. Kit includes 50 pcs. of FSD81-10, 20 pcs. Ea. of FSD82-12 and FSD83-12, 10 pcs. of FSD84-12.	77.18
644-KP-F1	KP-F1	#22-#14 AWG Non-Insulated. Kit includes: 500 pcs. of F75-6, 400 pcs. ea. of F76-6 and F77-6, 300 pcs. of F78-7, 200 pcs. of F80-7.	118.21
644-KP-F2	KP-F2	#12-#6 AWG Non-Insulated. Kit Includes: 150 pcs. of F81-9, 100 pcs. of F82-10, 80 pcs. of F83-12 and 40 pcs of F84-12	79.38

PHOENIX CONTACT Ferrules

PHOENIX CONTACT
INSPIRING INNOVATIONS

SINGLE WIRE FERRULES





Insulated

- Material: Electrolytic copper with tin plating
- The plastic insulating sleeves simplify the fitting onto the conductor and the colors denote the size of the cross section

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Phoenix Part No.	Phoenix Type	Fig.	Color	Wire Size		Dimensions (mm)						Price Each			
					(mm2)	AWG	l1	l2	d1	s1	d2	s2	1	10	50	100
651-3203024	3203024	AI 0.25-6 YE	A	Yellow	0.25	24	10.50	6.00	0.80	0.25	2.00	0.25	.30	.28	.24	.22
651-3203053	3203053	AI 0.34-6 TQ	A	Turquoise	0.34	22	10.50	6.00	0.80	0.25	2.00	0.25	.30	.28	.24	.22
651-3200014	3200014	AI 0.5-8WH	A	White	0.5	20	14.00	8.00	1.10	0.15	2.50	0.25	.17	.15	.14	.13
651-3201301	3201301	AI 0.5-6 OG	A	Orange	0.5	20	12.00	6.00	1.10	0.15	2.50	0.25	.23	.21	.18	.17
651-3200687	3200687	AI 0,5 - 6 WH	A	White	0.5	20	12.00	6.00	1.10	0.15	2.50	0.25	.25	.23	.20	.18
651-3201275	3201275	AI 0,5 -10 WH	A	White	0.5	20	16.00	10.00	1.10	0.15	2.50	0.25	.30	.28	.24	.22
651-3200182	3200182	AI 1-10 RD	A	Red	0.75	18	14.00	8.00	1.30	0.15	2.80	0.25	.29	.27	.25	.23
651-3200027	3200027	AI 0.75-8 BU	A	Blue	1	18	16.00	10.00	1.50	0.15	3.00	0.30	.17	.15	.14	.13
651-3200030	3200030	AI 1-8 RD	A	Red	1	18	14.00	8.00	1.50	0.15	3.00	0.30	.18	.17	.15	.14
651-3200519	3200519	AI 0.75-8 GY	A	Gray	0.75	18	14.00	8.00	1.30	0.15	2.80	0.25	.18	.17	.15	.14
651-3201314	3201314	AI 0.75-6 WH	A	White	0.75	18	12.00	6.00	1.30	0.15	2.80	0.25	.24	.22	.19	.18
651-3200742	3200742	AI 1 - 6 RD	A	Red	1	18	12.00	6.00	1.50	0.15	3.00	0.30	.25	.23	.20	.18
651-3200195	3200195	AI 1.5-10 BK	A	Black	1.5	16	18.00	10.00	1.80	0.15	3.40	0.30	.29	.27	.25	.23
651-3201136	3201136	AI 1.5-8 RD	A	Red	1.5	16	14.00	8.00	1.80	0.15	3.40	0.30	.12	.11	.11	.10
651-3200043	3200043	AI 1.5-8 BK	A	Black	1.5	16	14.00	8.00	1.80	0.15	3.40	0.30	.18	.17	.15	.14
651-3200755	3200755	AI 1,5 - 6 BK	A	Black	1.5	16	12.00	6.00	1.80	0.15	3.40	0.30	.25	.23	.20	.18
651-3200522	3200522	AI 2,5 - 8 BU	A	Blue	2.5	14	14.00	8.00	2.30	0.15	4.20	0.30	.22	.20	.17	.16
651-3200962	3200962	AI 2.5-12 BU	A	Blue	2.5	14	18.00	12.00	2.30	0.15	4.20	0.30	.33	.30	.29	.26
651-3200072	3200072	AI 2.5-18 GY	A	Gray	2.5	14	24.00	18.00	2.30	0.15	4.20	0.30	.36	.34	.33	.31
651-3200535	3200535	AI 4-10 GY	A	Gray	4	12	17.00	10.00	2.80	0.20	4.80	0.30	.29	.26	.25	.23
651-3200438	3200438	AI 4-12 OG	A	Orange	4	12	19.00	12.00	2.80	0.20	4.80	0.30	.32	.30	.29	.28
651-3200593	3200593	AI 4 -18 GY	A	Gray	4	12	26.00	18.00	2.80	0.20	4.80	0.30	.48	.45	.38	.35
651-3200548	3200548	AI 6-12 YE	A	Yellow	6	10	20.00	12.00	3.50	0.20	6.20	0.30	.44	.39	.37	.34
651-3201107	3201107	AI 6-12 BK	A	Black	6	10	20.00	12.00	3.50	0.20	6.20	0.30	.35	.33	.32	.30
651-3200108	3200108	AI 6 -12 GN	A	Green	6	10	20.00	12.00	3.50	0.20	6.20	0.30	.38	.36	.34	.33

Uninsulated

- Material: Electrolytic copper with tin plating
- Dimensions of the ferrules correspond to DIN 46 228-1

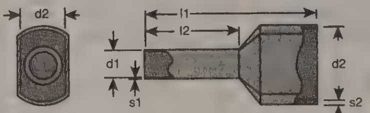
RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Phoenix Part No.	Phoenix Type	Fig.	Color	Wire Size		Dimensions (mm)						Price Each			
					(mm2)	AWG	l1	l2	d1	s1	d2	s2	1	10	50	100
651-3200218	3200218	A 0.5-6	B	-	0.5	20	6.00	5.30	1.00	0.15	2.10	- - -	.12	.11	.10	.09
651-3200221	3200221	A 0.75-6	B	-	0.75	18	6.00	5.30	1.20	0.15	2.30	- - -	.12	.11	.10	.09
651-3200250	3200250	A 1-10	B	-	1	18	10.00	9.30	1.40	0.15	2.50	- - -	.14	.13	.12	.11
651-3200276	3200276	A 1.5-10	B	-	1.5	16	10.00	9.00	1.70	0.15	2.80	- - -	.14	.13	.12	.11
651-3200263	3200263	A 1.5-7	B	-	1.5	16	7.00	6.00	1.70	0.15	2.80	- - -	.13	.12	.11	.10
651-3200289	3200289	A 2.5-7	B	-	2.5	14	7.00	6.00	2.20	0.15	3.40	- - -	.13	.12	.11	.10

TWIN WIRE FERRULES - INSULATED

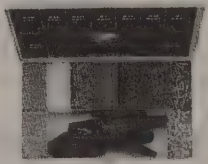
- Material: Electrolytic copper with tin plating
- Dimensions of the ferrules correspond to DIN 46 228-1



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Phoenix Part No.	Phoenix Type	Color	Wire Size		Dimensions (mm)						Price Each			
				(mm2)	AWG	l1	l2	d1	s1	d2	s2	1	10	50	100
651-3200933	3200933	AI-TWIN 2 X 0.5-8 WH	White	2 x 0.5	20	15.00	8.00	1.50	0.15	2.5/4.7	0.25	.34	.31	.27	.25
651-3200807	3200807	AI-TWIN 2 X 0.75-8 GY	Gray	2 x 0.75	18	15.00	8.00	1.80	0.15	2.8/5.0	0.25	.34	.31	.27	.25
651-3200810	3200810	AI-TWIN 2 X 1-8 RD	Red	2 x 1	18	15.00	8.00	2.05	0.15	3.4/5.4	0.30	.37	.35	.29	.27
651-3200823	3200823	AI-TWIN 2 X 1.5-8 BK	Black	2 x 1.5	16	16.00	8.00	2.30	0.15	3.6/6.6	0.30	.37	.35	.29	.27
651-3200836	3200836	AI-TWIN 2 X 2.5-10 BU	Blue	2 x 2.5	14	18.50	10.00	2.90	0.20	4.2/7.8	0.30	.40	.37	.31	.29
651-3201000	3201000	AI-TWIN 2 X 4-12 GY	Gray	2 x 4	12	23.00	12.00	3.80	0.20	4.9/8.8	0.30	1.02	.94	.80	.74
651-3201013	3201013	AI-TWIN 2 X 6-14 YE	Yellow	2 x 10	10	25.00	14.00	4.90	0.20	5.9/10	0.40	1.18	1.09	.93	.86

FERRULE KIT



Features:

- Metal case with latch
- Assorted insulated ferrules with wire striper and crimping tool
- Clear labeling on the inner side of the lid
- The assortment box is available for the cross section ranges .25 to 6 mm² and 10 to 25 mm²

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Phoenix Part No.	Phoenix Type	Description	Price Each
651-1202072	1202072	CRIMPSET 6	KIT contains the following: 500 each of the 3203024, 3203053, 3200014, 3200519, 3200030, 3200043 300 each of the 3200522, 200 each of the 3200535, 100 each of the 3200548 1 QUICK-WIREFOX6 wire stripper 24 - 10AWG and 1 CRIMPFOX UD 6 crimping tool 24 - 10 AWG	549.97

TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Phoenix Part No.	Phoenix Type	Description	Price Each	
				1	5
651-1206366	1206366	CRIMPFOX UD 6-6	Crimping Pliers for 23 - 10 AWG, Hexagonal Crimping	229.00	213.00
651-1204436	1204436	CRIMPFOX UD 6	Crimping Pliers for 24 - 10 AWG, Trapezodal Crimping	218.18	203.64
651-1204384	1204384	QUICK WIREFOX 6	Wire Stripper, 24-10 AWG, up to 18mm stripping lengths	69.84	66.35

NEMA 900 Series Terminal Blocks

RoHS Compliant

NEMA 900 Series is available in .375" centerline, in flat (direct mount) or dovetail (channel mount), tubular clamp, tubular screw, strap screw, or quick connect configurations. Corrosion-resistant versions are also available. NEMA 900 Series snap fit with the Medium Duty 500, 600, and 700 Series, as well as with the Heavy Duty, Intermediate Heavy Duty, and Fuse and Switch blocks.

Specifications:

- High temperature plastic, UL 94V-0
- .375" Pitch
- Gray markable surface eliminates the need for a painted marking surface
- Housings: Polyester, UL 94V-0 rated, color: gray
- Operating Temperature: 150°C, max.
- Suggested Screw torque: 8, 10, or 12 in-lb
- Snap-Fit sectional design
- Medium Duty
- RoHS Compliant per Tyco Electronics documentation

TUBULAR SCREW TERMINAL BLOCKS

Specifications:

- Voltage Rating: 600V
- Current Rating: 50 amp
- Wire Range: 8-22 AWG
- Suggested Screw torque: 8 in-lb

† Corrosion Resistant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15461471	1546147-1	A	Direct Mount	1.21	1.16	1.05	.93
†571-15461472	1546147-2	A	Direct Mount	2.52	2.40	2.27	2.15
571-1546148-1	1546148-1	A	Channel Mount	2.20	2.09	1.98	1.87
†571-15461482	1546148-2	A	Channel Mount	6.52	5.87	5.54	5.21

TUBULAR CLAMP TERMINAL BLOCKS

Specifications:

- Voltage Rating: 600V
- Current Rating: 30 amp
- Wire Range: 10-22 AWG
- Suggested Screw torque: 8 in-lb

† Corrosion Resistant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15462341	1546234-1	A	Direct Mount	1.63	1.58	1.45	1.32
†571-15462342	1546234-2	A	Direct Mount	3.09	2.94	2.65	2.50
571-15462351	1546235-1	A	Channel Mount	1.66	1.61	1.56	1.36

STRAP SCREW TERMINAL BLOCKS

Specifications:

- Voltage Rating: 600V
- Current Rating: 15 amp; Acceptable for 35 A max.; factory wiring only when used with 10 AWG wire pre-terminated with suitable ring tongue terminals
- Wire Range: 14-22 AWG
- Suggested Screw torque: 12 in-lb

† Corrosion Resistant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15461431	1546143-1	B	Direct Mount	3.40	3.06	2.89	2.72
†571-15461432	1546143-2	B	Direct Mount	1.98	1.89	1.79	1.69
571-15461441	1546144-1	B	Channel Mount	3.52	3.35	3.17	3.00
†571-15461442	1546144-2	B	Channel Mount	1.94	1.75	1.65	1.56

QUICK CONNECT TERMINAL BLOCKS

Specifications:

- Voltage Rating: 300V
- Current Rating: 20 amp

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15461491	1546149-1	C	Direct Mount	2.96	2.82	2.54	2.40
571-15461501	1546150-1	C	Channel Mount	2.96	2.82	2.54	2.40

END SECTIONS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Mounting	Price Each			
				1	25	50	100
571-15461631	1546163-1	D	Direct Mount	.81	.73	.67	.62
571-1546164-1	1546164-1	E	Channel Mount	.57	.51	.48	.45

MOUNTING CHANNELS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Description	Price Each			
				1	25	50	100
571-14373818	1437381-8	F	Miniature, 3 feet	6.66	6.33	6.00	5.67
571-914373818	9-1437381-8	G	Steel channel, 3 feet	10.70	9.63	9.10	8.56
571-14373822	1437382-2	H	Pre-punched aluminum, 3 feet	10.68	10.15	9.62	9.08

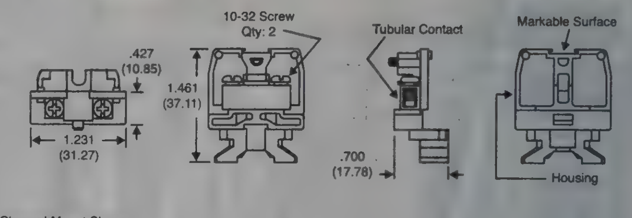
END CHANNEL CLAMPS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	Description	Price Each			
				1	25	50	100
571-914373815	9-1437381-5	-	Screw channel clamp	2.04	1.84	1.73	1.63
571-14373823	1437382-3	-	Universal clamp	2.75	2.62	2.36	2.23
571-914373817	9-1437381-7	-	Snap-in clamp	1.39	1.32	1.19	1.12
571-14373814	1437381-4	-	Miniature for #12 channel	.54	.49	.46	.44
571-114373822	1-1437382-2	-	Cover, see-thru	.46	.43	.41	.39

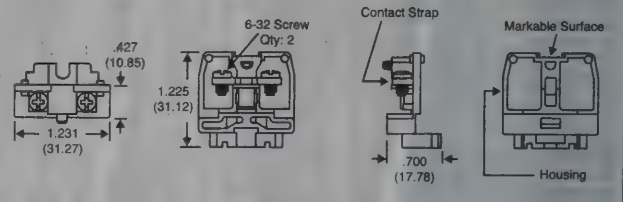
DIMENSIONS IN. (mm)

A


10-32 Screw
Qty: 2
Tubular Contact
Markable Surface
.427
(10.85)
1.461
(37.11)
1.231
(31.27)
.700
(17.78)
Housing

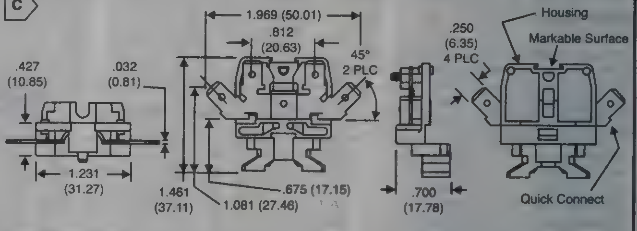
Channel Mount Shown

B


Contact Strap
6-32 Screw
Qty: 2
Markable Surface
.427
(10.85)
1.225
(31.12)
1.231
(31.27)
.700
(17.78)
Housing

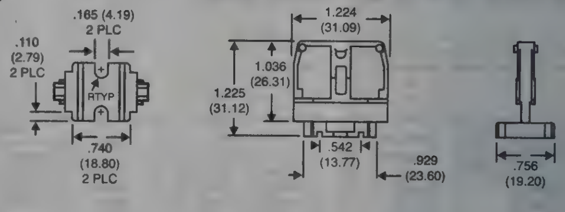
Strap Screw - Direct Mount

C


1.969 (50.01)
.812
(20.63)
45°
2 PLC
Housing
.250
(6.35)
4 PLC
Markable Surface
.427
(10.85)
.032
(0.81)
1.231
(31.27)
1.461
(37.11)
1.081 (27.46)
.675 (17.15)
.700
(17.78)
Quick Connect

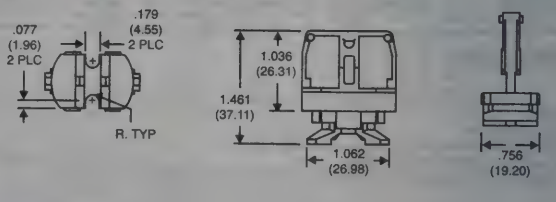
Channel Mount Shown

D


.165 (4.19)
2 PLC
.110
(2.79)
2 PLC
RTYP
.740
(18.80)
2 PLC
1.224
(31.09)
1.036
(26.31)
1.225
(31.12)
.542
(13.77)
.929
(23.60)
.756
(19.20)

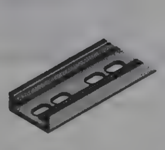
Direct Mount

E

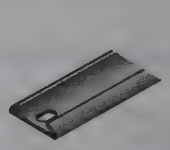

.179
(4.55)
2 PLC
.077
(1.96)
2 PLC
R. TYP
1.036
(26.31)
1.461
(37.11)
1.062
(26.98)
.756
(19.20)

Channel Mount

F



G



H

FLEXIPLUG® HYBRID PLUGGABLE BLOCKS

FXP FlexiPlug® hybrid terminal blocks combine US-Style standard screwdriver barrier-block wire terminations with a European-style pluggable block nose and will mate with both Amphenol Pcd and competitive headers. FlexiPlugs can be used interchangeably with moving cage clamp style plugs, such as Amphenol Pcd's ELF. Both plug styles can be used in the same system.

Specifications:
- UL-94VO flame-rated
- 12 to 26 AWG
- Color: Black
- Current Rating: 15A
- Operating Voltage: 300V:

Features:
- Electrician-friendly plug goes into existing equipment's european-type header
- Installer can use common larger 1/4" flat blade or #2 phillips screwdriver
- Use local code practice of ring-lug, spade terminals, stranded or solid wire
- .200"(5.08mm) pitch fits common industry-standard scalloped header on the PC board

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Number of Positions	L Dim. (in.)	Price Each				
					1	25	50	100	200
523-FXPT02200	FXPT02200	A	2	.670	1.40	1.26	1.05	.97	.90
523-FXPT03200	FXPT03200	A	3	.870	2.00	1.80	1.50	1.38	1.29
523-FXPT04200	FXPT04200	A	4	1.070	2.78	2.50	2.08	1.92	1.79
523-FXPT05200	FXPT05200	A	5	1.270	3.47	3.12	2.60	2.40	2.23
523-FXPT06200	FXPT06200	A	6	1.470	3.78	3.40	2.83	2.62	2.43
523-FXPT07200	FXPT07200	A	7	1.670	4.40	3.96	3.30	3.05	2.83
523-FXPT08200	FXPT08200	A	8	1.870	5.02	4.52	3.77	3.48	3.23
523-FXPT09200	FXPT09200	A	9	2.070	5.67	5.10	4.25	3.92	3.64
523-FXPT10200	FXPT10200	A	10	2.270	6.43	5.66	4.72	4.35	4.04
523-FXPT11200	FXPT11200	A	11	2.470	6.91	6.22	5.18	4.78	4.44
523-FXPT12200	FXPT12200	A	12	2.670	7.49	6.74	5.62	5.18	4.81
FlexiPlug® with Ears									
523-FXPT03200E	FXPT03200E	B	3	1.040	3.00	2.70	2.25	2.08	1.93
523-FXPT05200E	FXPT05200E	B	5	1.440	4.47	4.02	3.35	3.09	2.87
523-FXPT07200E	FXPT07200E	B	7	1.840	5.40	4.86	4.05	3.74	3.47
523-FXPT11200E	FXPT11200E	B	11	2.640	7.91	7.12	5.93	5.48	5.09
523-FXPT13200E	FXPT13200E	B	13	3.040	9.07	8.16	6.80	6.28	5.83
523-FXPT21200E	FXPT21200E	B	21	4.640	13.11	11.80	9.83	9.08	8.43

Flexiplug® is a registered trademark of Amphenol Corp.

ELFH HEADERS

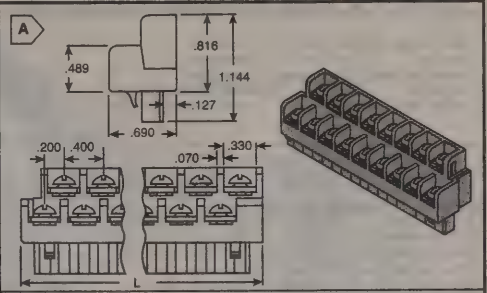
The PCD ELF line comprises a family of durable, high-temperature pluggable terminal blocks and headers on .200" and 5.0mm spacing that provide flexible wire-to-board interconnect solutions for a wide variety of applications. These headers complete your new design with FlexiPlug® pluggables.

Specifications:
- UL-94VO flame-rated
- Pitch: .200" (5.08mm)
- Current Rating: 15A
- Operating Voltage: 300V
- PC Board hole: .055" minimum
- Color: Black

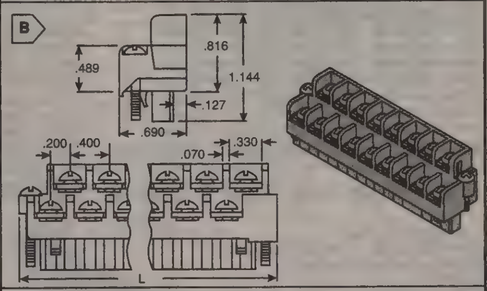
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Amphenol Part No.	Fig.	Number of Positions	L Dim. (in.)	Price Each				
					1	25	50	100	200
ELFH Headers, Horizontal, Closed									
523-ELFH02210	ELFH02210	C	2	0.4	.49	.44	.37	.34	.31
523-ELFH03210	ELFH03210	C	3	0.6	.73	.66	.55	.51	.47
523-ELFH04210	ELFH04210	C	4	0.8	1.00	.90	.75	.69	.64
523-ELFH05210	ELFH05210	C	5	1	1.24	1.12	.93	.86	.80
523-ELFH06210	ELFH06210	C	6	1.2	1.36	1.22	1.02	.94	.87
523-ELFH07210	ELFH07210	C	7	1.4	1.58	1.42	1.18	1.09	1.01
523-ELFH08210	ELFH08210	C	8	1.6	1.80	1.62	1.35	1.25	1.16
523-ELFH09210	ELFH09210	C	9	1.8	2.02	1.82	1.52	1.40	1.30
523-ELFH10210	ELFH10210	C	10	2	2.24	2.02	1.68	1.55	1.44
523-ELFH11210	ELFH11210	C	11	2.2	2.47	2.22	1.85	1.71	1.59
523-ELFH12210	ELFH12210	C	12	2.4	2.69	2.42	2.02	1.86	1.73
ELFH Headers, Vertical, Closed									
523-ELFH03250	ELFH03250	D	3	0.6	.73	.66	.55	.51	.47
523-ELFH04250	ELFH04250	D	4	0.8	1.00	.90	.75	.69	.64
523-ELFH05250	ELFH05250	D	5	1	1.24	1.12	.93	.86	.80
523-ELFH06250	ELFH06250	D	6	1.2	1.36	1.22	1.02	.94	.87
523-ELFH07250	ELFH07250	D	7	1.4	1.58	1.42	1.18	1.09	1.01
523-ELFH08250	ELFH08250	D	8	1.6	1.80	1.62	1.35	1.25	1.16
523-ELFH10250	ELFH10250	D	10	2	2.24	2.02	1.68	1.55	1.44
523-ELFH11250	ELFH11250	D	11	2.2	2.47	2.22	1.85	1.71	1.59
523-ELFH12250	ELFH12250	D	12	2.4	2.69	2.42	2.02	1.86	1.73
ELFH Headers, Horizontal, Eared									
523-ELFH03210E	ELFH03210E	E	3	1	1.73	1.56	1.30	1.20	1.11
523-ELFH05210E	ELFH05210E	E	5	1.4	2.24	2.02	1.68	1.55	1.44
523-ELFH09210E	ELFH09210E	E	9	2.2	3.02	2.72	2.27	2.09	1.94
523-ELFH11210E	ELFH11210E	E	11	2.6	3.47	3.12	2.60	2.40	2.23
523-ELFH13210E	ELFH13210E	E	13	3	3.67	3.30	2.75	2.54	2.36
523-ELFH21210E	ELFH21210E	E	21	4.6	5.69	5.12	4.26	3.94	3.65
ELFH Headers,Vertical, Eared									
523-ELFH03250E	ELFH03250E	F	3	1	1.73	1.56	1.30	1.20	1.11
523-ELFH05250E	ELFH05250E	F	5	1.4	2.24	2.02	1.68	1.55	1.44
523-ELFH07250E	ELFH07250E	F	7	1.8	2.58	2.32	1.93	1.78	1.66
523-ELFH11250E	ELFH11250E	F	11	2.6	3.47	3.12	2.60	2.40	2.23
523-ELFH13250E	ELFH13250E	F	13	3	3.67	3.30	2.75	2.54	2.36
523-ELFH21250E	ELFH21250E	F	21	4.6	5.69	5.12	4.26	3.94	3.65

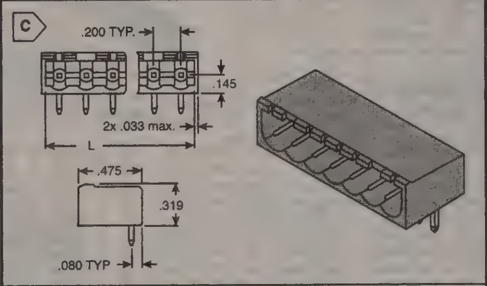
A



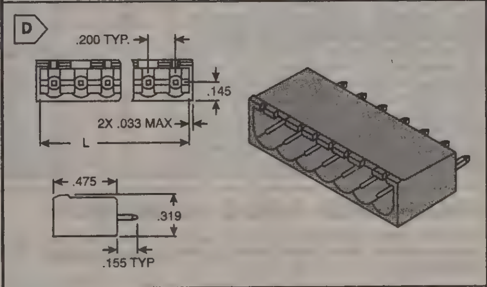
B



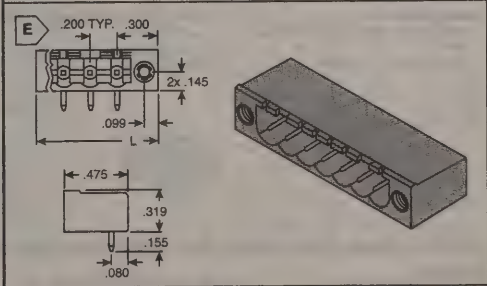
C



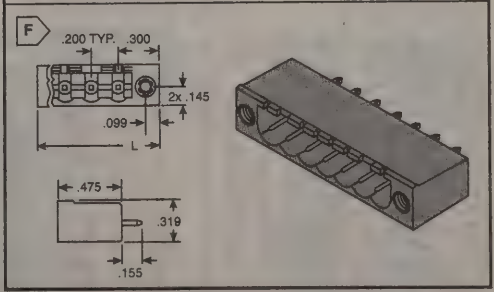
D



E



F

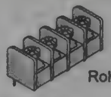


BUCHANAN Barrier Terminal Blocks

This page of product is compliant.

.325" PITCH, DUAL BARRIER, SINGLE ROW

- #6-32 screws on .325" centers
- UL94V-0
- Housing Material: Thermoplastic Polyamide
- Printed Circuit Pin
- 14-22 AWG
- 20A rating
- Color: Black
- RoHS Compliant per Tyco Electronics documentation



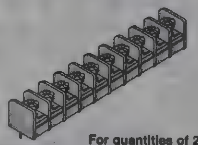
RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length (in.)	Price Each			
					1	25	50	100
Steel Binding Combo Head Screws								
571-14376676	1437667-6	4DB-P107-02	2	.325	.55	.49	.44	.40
571-114376670	1-1437667-0	4DB-P107-04	4	.975	1.02	.90	.81	.78
571-114376672	1-1437667-2	4DB-P107-06	6	1.625	1.55	1.46	1.37	1.22
571-114376675	1-1437667-5	4DB-P107-08	8	2.275	1.87	1.66	1.50	1.44
571-114376679	1-1437667-9	4DB-P107-12	12	3.575	2.28	2.17	2.06	1.94
Steel Wire Clamp Combo Head Screws								
571-214376674	2-1437667-4	4DB-P108-02	2	0.325	.51	.44	.40	.34
571-214376675	2-1437667-5	4DB-P108-03	3	0.650	.62	.56	.53	.50
571-214376676	2-1437667-6	4DB-P108-04	4	0.975	1.10	.98	.93	.88
571-214376678	2-1437667-8	4DB-P108-05	5	1.300	1.51	1.35	1.28	1.20
571-214376679	2-1437667-9	4DB-P108-06	6	1.625	1.27	1.15	1.09	1.02
571-314376671	3-1437667-1	4DB-P108-08	8	2.275	2.42	2.20	1.98	1.76
571-314376672	3-1437667-2	4DB-P108-09	9	2.600	1.86	1.68	1.59	1.49
571-314376673	3-1437667-3	4DB-P108-10	10	2.925	2.92	2.53	2.49	2.41

.375" PITCH, LOW PROFILE, DUAL BARRIER, SINGLE ROW

- Flat, all positions filled
- Housing Material: Thermoplastic Polyamide
- #6-32 screws on .375" centers
- UL94V-0
- Printed Circuit Pin
- 12-22 AWG
- RoHS Compliant per Tyco Electronics documentation
- 20A rating
- Color: Black



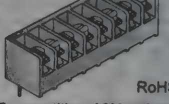
RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length. (in.)	Price Each			
					1	25	50	100
Steel Binding Combo Head Screws								
571-14376644	1437664-4	NC6-P107-02	2	.815	.61	.58	.52	.44
571-14376645	1437664-5	NC6-P107-03	3	1.19	.82	.72	.64	.58
571-14376646	1437664-6	NC6-P107-04	4	1.565	.84	.74	.67	.65
571-14376647	1437664-7	NC6-P107-05	5	1.94	1.53	1.46	1.37	1.33
571-14376649	1437664-9	NC6-P107-06	6	2.315	1.18	1.06	1.00	.94
571-114376640	1-1437664-0	NC6-P107-07	7	2.69	1.40	1.26	1.19	1.12
571-114376641	1-1437664-1	NC6-P107-08	8	3.065	1.59	1.46	1.38	1.30
571-114376643	1-1437664-3	NC6-P107-09	9	3.44	2.10	2.00	1.89	1.79
571-114376644	1-1437664-4	NC6-P107-10	10	3.82	2.34	2.11	1.99	1.87
571-114376647	1-1437664-7	NC6-P107-12	12	4.57	3.92	3.73	3.53	3.34
Steel Clamp-Plate Combo Head Screws								
571-314376640	3-1437664-0	NC6-P108-02	2	0.815	.54	.52	.49	.46
571-314376641	3-1437664-1	NC6-P108-03	3	1.190	1.17	1.11	1.05	.99
571-314376643	3-1437664-3	NC6-P108-04	4	1.565	1.36	1.23	1.16	1.09
571-314376645	3-1437664-5	NC6-P108-05	5	1.940	1.86	1.77	1.68	1.59
571-314376648	3-1437664-8	NC6-P108-06	6	2.315	1.58	1.51	1.43	1.35
571-414376640	4-1437664-0	NC6-P108-07	7	2.690	1.78	1.61	1.52	1.43
571-414376641	4-1437664-1	NC6-P108-08	8	3.065	2.91	2.64	2.38	2.11
571-414376642	4-1437664-2	NC6-P108-09	9	3.440	1.90	1.81	1.71	1.62

.250" PITCH, TRI-BARRIER, SINGLE ROW

- Housing Material: Polypropylene
- 10A rating
- 18-22 AWG wire range
- UL94V-0
- #3-48 screws on .250" centers
- Printed Circuit Pin, Vertical
- Phil-slot Head
- Color: Black
- RoHS Compliant per Tyco Electronics documentation



RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length (in.)	Price Each			
					1	25	50	100
571-314376463	3-1437646-3	3PCV-02-006	2	.57	.59	.56	.53	.50
571-314376469	3-1437646-9	3PCV-03-006	3	.82	1.13	1.09	1.02	.90
571-414376462	4-1437646-2	3PCV-04-006	4	1.07	1.67	1.59	1.50	1.42
571-414376465	4-1437646-5	3PCV-05-006	5	1.32	1.48	1.41	1.34	1.26
571-514376460	5-1437646-0	3PCV-06-006	6	1.57	1.72	1.55	1.46	1.38
571-514376464	5-1437646-4	3PCV-07-006	7	1.82	2.10	2.00	1.89	1.79
571-514376467	5-1437646-7	3PCV-08-006	8	2.07	1.96	1.76	1.67	1.57
571-514376469	5-1437646-9	3PCV-09-006	9	2.32	3.76	3.58	3.39	3.20
571-614376462	6-1437646-2	3PCV-10-006	10	2.57	4.18	3.98	3.77	3.56

.325" PITCH, TRI-BARRIER, SINGLE ROW

- 20A rating
- 14-22 AWG
- Housing Material: Polyamide
- RoHS Compliant per Tyco Electronics documentation
- Color: Black
- #4-40 screws on .325" centers
- Printed Circuit Pin, Vertical
- UL94V-0
- Phil-Slot Head

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length (in.)	Price Each			
					1	25	50	100
571-514376487	5-1437648-7	4PCV-02-006	2	.705	.94	.85	.80	.75
571-614376481	6-1437648-1	4PCV-03-006	3	1.03	1.32	1.26	1.19	1.13
571-614376487	6-1437648-7	4PCV-04-006	4	1.35	1.42	1.38	1.26	1.17
571-714376484	7-1437648-4	4PCV-05-006	5	1.68	1.87	1.81	1.66	1.59
571-814376480	8-1437648-0	4PCV-06-006	6	2.00	1.96	1.76	1.69	1.57
571-814376486	8-1437648-6	4PCV-07-006	7	2.33	1.78	1.70	1.61	1.52
571-914376481	9-1437648-1	4PCV-08-006	8	2.65	2.68	2.46	2.38	2.10
571-14376491	1437649-1	4PCV-09-006	9	2.98	4.18	3.76	3.55	3.34
571-14376495	1437649-5	4PCV-10-006	10	3.30	3.14	2.99	2.83	2.67

.375" PITCH, TRI-BARRIER, SINGLE ROW

- UL94V-0
- 25A rating
- 12-22 AWG
- Housing Material: Polypropylene
- RoHS Compliant per Tyco Electronics documentation
- #6-32 screws on .375" centers
- Printed Circuit Pin, Vertical
- Phil-slot head

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Length (in.)	Price Each			
					1	25	50	100
571-314376529	3-1437652-9	6PCV-02-006	2	.815	.79	.66	.62	.57
571-514376524	5-1437652-4	6PCV-03-006	3	1.19	.99	.96	.91	.85
571-614376527	6-1437652-7	6PCV-04-006	4	1.56	1.24	1.18	1.12	1.06
571-814376522	8-1437652-2	6PCV-05-006	5	1.94	2.14	1.93	1.82	1.72
571-914376525	9-1437652-5	6PCV-06-006	6	2.31	2.12	1.93	1.84	1.64
571-114376533	1-1437653-3	6PCV-08-006	8	3.06	3.38	3.05	2.87	2.71
571-214376535	2-1437653-5	6PCV-09-006	9	3.44	4.08	3.88	3.68	3.47
571-314376535	3-1437653-5	6PCV-10-006	10	3.81	4.56	4.34	4.11	3.88
571-514376531	5-1437653-1	6PCV-12-006	12	4.56	5.26	5.00	4.74	4.48
571-614376538	6-1437653-8	6PCV-14-006	14	5.31	6.10	5.80	5.49	5.19
571-814376530	8-1437653-0	6PCV-16-006	16	6.06	4.26	4.06	3.65	3.45

DUAL BARRIER STRIPS, DOUBLE-ROW

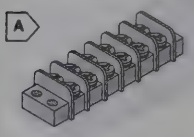
Double row, dual barrier strips for wire-to-wire applications. These parts also allow end users to complete the wiring to a separate screw without disturbing the factory wiring. Closed bottom design allows for mounting direct to sheet metal panel.

Specifications:

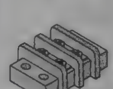
- Insulator body: UL 94V-0 Thermoplastic, Black
- Terminal: Brass, Tin Plated
- RoHS Compliant per Tyco Electronics documentation
- Screw: #6-32 Steel, Nickel Plated
- Molded to Length

RoHS Compliant

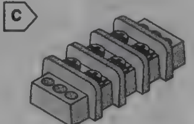
A



B



C



.374 Dual Barrier Strips, Double Row with Binding Head Screws

Electrical:

- Current rating: 20A, 300VAC
- Wire range: 12-22 AWG
- Withstanding voltage: 2000 VAC min.
- Temperature: -40°C to +105°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (in.)	Price Each			
					1	25	50	100
571-15463062	1546306-2	A	2	1.42	.54	.52	.49	.46
571-15463063	1546306-3	A	3	1.80	1.06	.95	.90	.85
571-15463064	1546306-4	A	4	2.17	1.21	1.02	.94	.82
571-15463065	1546306-5	A	5	2.55	1.37	1.32	1.28	1.09
571-15463066	1546306-6	A	6	2.92	1.56	1.37	1.30	1.23
571-15463067	1546306-7	A	7	3.30	1.93	1.86	1.74	1.52
571-15463068	1546306-8	A	8	3.67	2.11	1.80	1.76	1.60
571-115463060	1-1546306-0	A	10	4.41	2.64	2.37	2.29	1.96
571-115463062	1-1546306-2	A	12	5.16	3.14	2.80	2.58	2.30
571-115463064	1-1546306-4	A	14	5.91	2.94	2.80	2.52	2.38
571-115463066	1-1546306-6	A	16	6.65	4.02	3.82	3.62	3.42
571-215463060	2-1546306-0	A	20	8.15	5.22	4.82	4.20	3.79

.437 Dual Barrier Strips, Double Row with Binding Head Screws

Electrical:

- Current rating: 25A, 300VAC
- Wire range: 14-22 AWG
- Withstanding voltage: 2000 VAC min.
- Temperature: -40°C to +105°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (in.)	Price Each			
					1	25	50	100
571-15466702	1546670-2	B	2	1.62	.85	.76	.67	.62
571-15466703	1546670-3	B	3	2.06	.92	.83	.79	.74
571-15466704	1546670-4	B	4	2.50	1.32	1.27	1.18	.98
571-15466705	1546670-5	B	5	2.93	1.50	1.35	1.28	1.20
571-15466706	1546670-6	B	6	3.37	1.97	1.84	1.75	1.46
571-15466707	1546670-7	B	7	3.81	2.16	2.06	1.95	1.84
571-15466708	1546670-8	B	8	4.24	3.46	3.12	2.95	2.77
571-115466700	1-1546670-0	B	10	5.12	3.25	3.15	2.98	2.31
571-115466702	1-1546670-2	B	12	5.99	5.32	5.06	4.79	4.53
571-115466704	1-1546670-4	B	14	6.87	3.63	3.46	3.11	2.94
571-115466706	1-1546670-6	B	16	7.74	4.20	4.00	3.60	3.40
571-215466700	2-1546670-0	B	20	9.49	8.86	8.42	7.98	7.54

.563 Dual Barrier Strips, Double Row with Binding Head Screws

Electrical:

- Current rating: 30A, 300VAC
- Wire range: 10-22 AWG
- Withstanding voltage: 2000 VAC min.
- Temperature: -40°C to +120°C

RoHS Compliant

For quantities of 200 and up, call for quote.

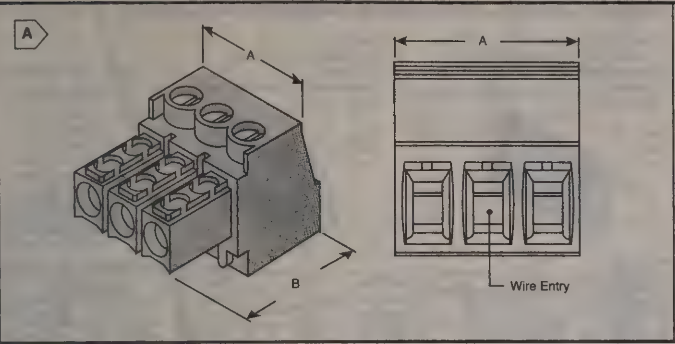
MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (in.)	Price Each			
					1	25	50	100
571-15463102	1546310-2	C	2	2.13	1.11	1.06	.95	.90
571-15463103	1546310-3	C	3	2.69	1.66	1.58	1.42	1.34
571-15463104	1546310-4	C	4	3.25	1.68	1.52	1.43	1.35
571-15463105	1546310-5	C	5	3.81	2.44	2.32	2.09	1.97
571-15463106	1546310-6	C	6	4.38	2.58	2.46	2.33	2.20
571-15463107	1546310-7	C	7	4.94	3.19	3.04	2.74	2.58
571-15463108	1546310-8	C	8	5.50	5.94	5.35	5.05	4.76
571-115463100	1-1546310-0	C	10	6.63	7.72	7.34	6.95	6.57
571-115463102	1-1546310-2	C	12	7.75	5.44	5.18	4.66	4.40
571-115463104	1-1546310-4	C	14	8.88	6.38	6.08	5.47	5.17
571-115463106	1-1546310-6	C	16	10.02	7.27	6.92	6.23	5.88

BUCHANAN Eurostyle Pluggable Terminal Blocks

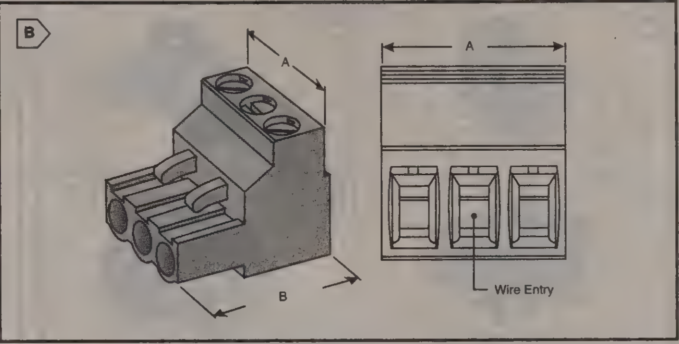
RoHS Compliant This page of product is compliant.

(3.5mm - 10.16mm)

A



B



- Color: Green
- Flammability Rating: UL94V-0
- Housing Material: Polyamide 6.6
- Contact Material: Phosphor Bronze
- RoHS Compliant per Tyco Electronics documentation

3.5MM PLUGS

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.)		Price Each			
				A	B	1	25	50	100
3.5mm Centerline - UL: 300V @ 11A, 30-14 AWG									
571-2845062	284506-2	A	2	0.276	0.61	.88	.80	.75	.71
571-2845063	284506-3	A	3	0.413	0.61	1.34	1.21	1.14	1.08
571-2845064	284506-4	A	4	0.551	0.61	1.86	1.77	1.68	1.59
571-2845065	284506-5	A	5	0.689	0.61	2.24	2.02	1.91	1.80
571-2845066	284506-6	A	6	0.827	0.61	2.76	2.63	2.49	2.35
571-2845067	284506-7	A	7	0.965	0.61	3.14	2.83	2.67	2.52
571-2845068	284506-8	A	8	1.102	0.61	3.70	3.52	3.33	3.15
571-12845060	1-284506-0	A	10	1.378	0.61	4.64	4.41	4.18	3.95
571-12845062	1-284506-2	A	12	1.654	0.61	5.52	5.25	4.97	4.70

5.0MM PLUGS

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.)		Price Each			
				A	B	1	25	50	100
5.0mm Centerline - UL: 300V @ 15A, 30-12 AWG									
571-7966402	796640-2	B	2	0.394	0.724	.82	.78	.74	.70
571-7966403	796640-3	B	3	0.591	0.724	1.22	1.16	1.10	1.04
571-7966404	796640-4	B	4	0.787	0.724	1.62	1.54	1.46	1.38
571-7966405	796640-5	B	5	0.984	0.724	2.04	1.94	1.84	1.74
571-7966406	796640-6	B	6	1.810	0.724	2.46	2.34	2.22	2.10
571-7966407	796640-7	B	7	1.378	0.724	2.86	2.72	2.58	2.44
571-7966408	796640-8	B	8	1.575	0.724	3.26	3.10	2.94	2.78
571-17966400	1-796640-0	B	10	1.968	0.724	3.84	3.65	3.46	3.27
571-17966402	1-796640-2	B	12	2.362	0.724	3.78	3.60	3.24	3.06

7.5MM PLUGS

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.)		Price Each			
				A	B	1	25	50	100
7.5mm Centerline - UL: 300V @ 15A, 30-12 AWG									
571-2829592	282959-2	B	2	0.512	0.724	.86	.78	.74	.69
571-2829593	282959-3	B	3	0.807	0.724	1.34	1.28	1.21	1.14
571-2829594	282959-4	B	4	1.102	0.724	1.80	1.71	1.62	1.53
571-2829595	282959-5	B	5	1.398	0.724	2.24	2.13	2.02	1.91
571-2829596	282959-6	B	6	1.693	0.724	2.62	2.36	2.23	2.10
571-2829597	282959-7	B	7	1.988	0.724	3.12	2.97	2.81	2.66
571-2829598	282959-8	B	8	2.283	0.724	3.56	3.39	3.21	3.03
571-12829590	1-282959-0	B	10	2.874	0.724	4.56	4.10	3.88	3.65
571-12829592	1-282959-2	B	12	3.465	0.724	5.34	5.08	4.81	4.54

10.0MM PLUGS

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.)		Price Each			
				A	B	1	25	50	100
10.0mm Centerline - UL: 600V @ 15A, 30-12 AWG									
571-2828082	282808-2	B	2	0.591	0.724	.96	.92	.87	.82
571-2828083	282808-3	B	3	0.984	0.724	1.42	1.35	1.28	1.21
571-2828084	282808-4	B	4	1.378	0.724	1.86	1.68	1.59	1.49
571-2828085	282808-5	B	5	1.772	0.724	2.40	2.28	2.16	2.04
571-2828086	282808-6	B	6	2.165	0.724	2.86	2.72	2.58	2.44
571-2828087	282808-7	B	7	2.559	0.724	3.34	3.18	3.01	2.84
571-2828088	282808-8	B	8	2.953	0.724	3.82	3.63	3.44	3.25
571-12828080	1-282808-0	B	10	3.740	0.724	3.42	3.25	3.08	2.91
571-12828082	1-282808-2	B	12	4.528	0.724	5.70	5.42	5.13	4.85

3.81MM PLUGS

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.)		Price Each			
				A	B	1	25	50	100
3.81mm Centerline - UL: 300V @ 11A, 30-14 AWG									
571-2845072	284507-2	A	2	0.30	0.61	.88	.80	.75	.71
571-284507-3	284507-3	A	3	0.45	0.61	1.34	1.21	1.14	1.08
571-2845074	284507-4	A	4	0.60	0.61	1.86	1.77	1.68	1.59
571-2845075	284507-5	A	5	0.75	0.61	2.24	2.02	1.91	1.80
571-2845076	284507-6	A	6	0.90	0.61	2.76	2.63	2.49	2.35
571-2845077	284507-7	A	7	1.05	0.61	3.14	2.83	2.67	2.52
571-284507-8	284507-8	A	8	1.20	0.61	3.70	3.52	3.33	3.15
571-12845070	1-284507-0	A	10	1.50	0.61	4.64	4.41	4.18	3.95
571-12845072	1-284507-2	A	12	1.80	0.61	3.96	3.77	3.57	3.37

5.08MM PLUGS

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.)		Price Each			
				A	B	1	25	50	100
5.08mm Centerline - UL: 300V @ 11A, 30-12 AWG									
571-7966342	796634-2	B	2	0.40	0.724	.83	.79	.72	.64
571-7966343	796634-3	B	3	0.60	0.724	1.22	1.16	1.10	1.04
571-7966344	796634-4	B	4	0.80	0.724	1.65	1.53	1.42	1.17
571-7966345	796634-5	B	5	1.00	0.724	1.55	1.48	1.33	1.26
571-7966346	796634-6	B	6	1.20	0.724	2.46	2.34	2.22	2.10
571-7966347	796634-7	B	7	1.40	0.724	2.86	2.72	2.58	2.44
571-7966348	796634-8	B	8	1.60	0.724	3.26	3.10	2.94	2.78
571-1-796634-0	1-796634-0	B	10	2.00	0.724	4.37	4.16	3.74	3.54
571-1-796634-2	1-796634-2	B	12	2.40	0.724	3.78	3.60	3.24	3.06

7.62MM PLUGS

RoHS Compliant

For quantities of 200 and up, call for quote.

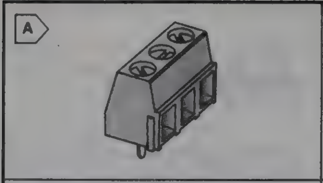
MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.)		Price Each			
				A	B	1	25	50	100
7.62mm Centerline - UL: 300V @ 15A, 30-12 AWG									
571-7969812	796981-2	B	2	0.521	0.724	.86	.78	.74	.69
571-7969813	796981-3	B	3	0.821	0.724	1.34	1.28	1.21	1.14
571-7969814	796981-4	B	4	1.121	0.724	1.80	1.71	1.62	1.53
571-7969815	796981-5	B	5	1.421	0.724	2.24	2.13	2.02	1.91
571-7969816	796981-6	B	6	1.721	0.724	2.62	2.36	2.23	2.10
571-7969817	796981-7	B	7	2.021	0.724	3.12	2.97	2.81	2.66
571-7969818	796981-8	B	8	2.321	0.724	3.56	3.39	3.21	3.03
571-17969810	1-796981-0	B	10	2.921	0.724	4.46	4.24	4.02	3.80
571-17969812	1-796981-2	B	12	3.521	0.724	5.34	5.08	4.81	4.54

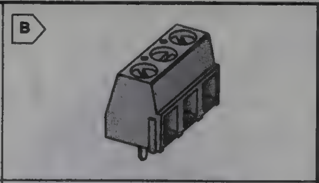
10.16MM PLUGS

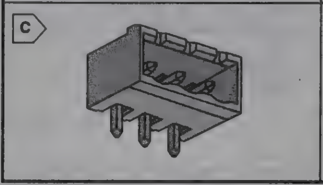
RoHS Compliant

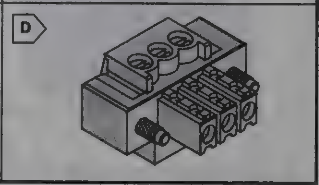
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Dimen: (In.)		Price Each			
				A	B	1	25	50	100
10.16mm Centerline - UL: 600V @ 15A, 30-12 AWG									
571-2828092	282809-2	B	2	0.60	0.724	.96	.92	.87	.82
571-2828093	282809-3	B	3	1.00	0.724	1.42	1.35	1.28	1.21
571-2828094	282809-4	B	4	1.40	0.724	1.86	1.68	1.59	1.49
571-2828095	282809-5	B	5	1.80	0.724	2.40	2.28	2.16	2.04
571-2828096	282809-6	B	6	2.20	0.724	2.86	2.72	2.58	2.44
571-2828097	282809-7	B	7	2.60	0.724	3.34	3.18	3.01	2.84
571-2828098	282809-8	B	8	3.00	0.724	3.82	3.63	3.44	3.25
571-12828090	1-282809-0	B	10	3.80	0.724	4.78	4.55	4.31	4.07
571-12828092	1-282809-2	B	12	4.60	0.724	5.70	5.42	5.13	4.85









PLUGS, STACKING WITH INTERLOCK - ONE PIECE

- UL Rating: 300V, 13.5 A
- Wire Size: 16-30 AWG, 10 A for field wiring
- Board Mount
- Side Wire Entry
- Color: Green
- Low profile
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each			
					1	25	50	100
5.0mm Stacking Terminal Blocks								
571-2828362	282836-2	A	2	0.394	.43	.36	.31	.27
571-2828363	282836-3	A	3	0.591	.62	.55	.50	.46
571-2828364	282836-4	A	4	0.787	.76	.69	.65	.61
571-2828365	282836-5	A	5	0.984	.96	.92	.87	.82
571-2828366	282836-6	A	6	1.181	1.14	1.09	1.03	.97
571-2828367	282836-7	A	7	1.378	1.34	1.28	1.21	1.14
571-2828368	282836-8	A	8	1.575	1.48	1.34	1.26	1.19
5.08mm Stacking Terminal Blocks								
571-2828372	282837-2	B	2	0.400	.48	.46	.42	.37
571-2828373	282837-3	B	3	0.600	.62	.57	.48	.42
571-2828374	282837-4	B	4	0.800	.54	.49	.46	.44
571-2828375	282837-5	B	5	1.000	.96	.92	.87	.82
571-2828376	282837-6	B	6	1.200	1.12	1.03	.95	.87
571-2828377	282837-7	B	7	1.400	1.34	1.28	1.21	1.14
571-2828378	282837-8	B	8	1.600	1.48	1.34	1.26	1.19

HEADERS, RIGHT ANGLE W/ CLOSED ENDS - TWO PIECE

- UL Rating: 300V, 12 A
- Color: Green
- RoHS Compliant per Tyco Electronics documentation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each			
					1	25	50	100
5.0mm Headers								
571-796644-2	796644-2	C	2	0.394	.25	.24	.23	.22
571-796644-3	796644-3	C	3	0.591	.54	.52	.49	.46
571-796644-4	796644-4	C	4	0.787	.68	.62	.58	.55
571-796644-5	796644-5	C	5	0.984	.82	.74	.70	.66
571-796644-6	796644-6	C	6	1.181	1.08	1.03	.98	.92
571-796644-7	796644-7	C	7	1.378	1.22	1.10	1.04	.98
571-796644-8	796644-8	C	8	1.575	1.36	1.23	1.16	1.09
5.08mm Headers								
571-7966382	796638-2	C	2	0.4	.25	.24	.23	.22
571-7966383	796638-3	C	3	0.6	.54	.52	.49	.46
571-7966384	796638-4	C	4	0.8	.62	.57	.53	.49
571-7966385	796638-5	C	5	1.0	.86	.78	.74	.69
571-7966386	796638-6	C	6	1.2	1.08	1.03	.98	.92
571-7966387	796638-7	C	7	1.4	1.22	1.10	1.04	.98
571-7966388	796638-8	C	8	1.6	1.36	1.23	1.16	1.09

PLUGS, RIGHT ANGLE WITH SCREW FLANGE - TWO PIECE

- UL Rating: 300V, 12 A
- Wire Size: 12-30 AWG
- RoHS Compliant per Tyco Electronics documentation
- Color: Green

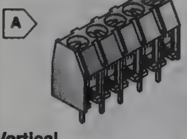
RoHS Compliant

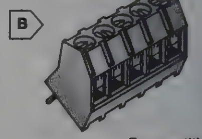
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Positions	Length (In.)	Price Each			
					1	25	50	100
3.5mm Centerline								
571-284510-2	284510-2	D	2	0.138	.82	.74	.70	.66
571-284510-3	284510-3	D	3	0.276	1.70	1.53	1.45	1.36
571-284510-4	284510-4	D	4	0.413	2.22	2.00	1.89	1.78
571-284510-5	284510-5	D	5	0.551	2.86	2.72	2.58	2.44
571-284510-6	284510-6	D	6	0.689	3.42	3.25	3.08	2.91
571-284510-7	284510-7	D	7	0.827	4.00	3.80	3.60	3.40
571-284510-8	284510-8	D	8	0.965	4.60	4.37	4.14	3.91
3.81mm Centerline								
571-284511-2	284511-2	D	2	0.15	.82	.74	.70	.66
571-284511-3	284511-3	D	3	0.30	1.70	1.53	1.45	1.36
571-284511-4	284511-4	D	4	0.45	2.22	2.00	1.89	1.78
571-284511-5	284511-5	D	5	0.60	2.86	2.72	2.58	2.44
571-284511-6	284511-6	D	6	0.75	3.42	3.25	3.08	2.91
571-284511-7	284511-7	D	7	0.90	4.00	3.80	3.60	3.40
571-284511-8	284511-8	D	8	1.05	4.60	4.37	4.14	3.91

5.08MM CONNECTORS WITH WIRE PROTECTOR

- RoHS Compliant per Tyco Electronics documentation
- Housing Material: Thermoplastic Polyester
- UL94V-0
- 20A rating
- 300 V
- 3-48 screws on .2" centers
- 12-22 AWG
- Wire protector: Stainless Steel
- Color: Black





RoHS Compliant

Vertical

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	No. of Positions	Overall Length (In.)	Price Each			
						1	25	50	100
571-7969492	796949-2	2MV-02	A	2	0.400	.49	.45	.40	.37
571-7969493	796949-3	2MV-03	A	3	0.600	.73	.67	.63	.56
571-7969494	796949-4	2MV-04	A	4	0.800	.94	.88	.76	.70
571-7969495	796949-5	2MV-05	A	5	1.000	1.63	1.44	1.30	1.26
571-7969496	796949-6	2MV-06	A	6	1.200	1.96	1.74	1.57	1.51
571-7969497	796949-7	2MV-07	A	7	1.400	1.32	1.19	1.12	1.06
571-7969498	796949-8	2MV-08	A	8	1.600	2.08	1.98	1.88	1.77
571-17969490	1-796949-0	2MV-10	A	10	2.000	2.62	2.49	2.36	2.23
571-17969492	1-796949-2	2MV-12	A	12	2.400	3.16	3.01	2.85	2.69

45° Angle

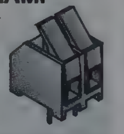
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	Fig.	No. of Positions	Overall Length (In.)	Price Each			
						1	25	50	100
571-15460742	1546074-2	2MA-02	B	2	0.400	.79	.70	.63	.61
571-15460743	1546074-3	2MA-03	B	3	0.600	.91	.86	.78	.64
571-15460744	1546074-4	2MA-04	B	4	0.800	1.59	1.41	1.27	1.23
571-15460745	1546074-5	2MA-05	B	5	1.000	1.58	1.55	1.49	1.43
571-115460742	1-1546074-2	2MA-12	B	12	2.400	3.70	3.52	3.33	3.15

5.08MM TERMINAL BLOCKS WITH SCREWLESS CLAMP

- Housing Material: Thermoplastic Polyester
- UL94V-0
- .2" spacing
- Color: Black
- RoHS Compliant per Tyco Electronics documentation
- 18-22 AWG wire range
- No special tool required
- 20A rating

RoHS Compliant



For quantities of 200 and up, call for quote.

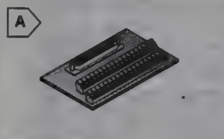
MOUSER STOCK NO.	Tyco Electronics Part No.	Former Buchanan Part No.	No. of Positions	Overall Length (In.)	Price Each			
					1	25	50	100
571-14376711	1437671-1	2SV-02	2	0.400	.87	.81	.76	.68
571-14376714	1437671-4	2SV-03	3	0.600	1.26	1.20	1.14	1.08
571-14376716	1437671-6	2SV-04	4	0.800	1.21	1.17	1.09	1.04
571-14376717	1437671-7	2SV-05	5	1.000	1.52	1.45	1.37	1.30

INTERFACE MODULES AND ACCESSORIES

These Modules convert industry specific connectors to field wiring and are designed to supply custom solutions.

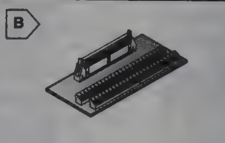
Features:

- Mounts on SNAPTRACK Channel which can be panel mounted or snapped to a DIN rail.
- Terminal Block screws supplied in ready-to-wire position to save installation time.



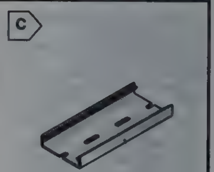
Specifications:

- Housing Material: Thermoplastic polyester
- Terminals: Copper alloy, selective gold over nickel
- Shell Material: Bright tin plated, female screw locks installed



Specifications:

- Header: Brass, gold over nickel
- Connector: Copper alloy; gold over nickel
- Wire Range: 26-30 AWG solid, 28 AWG stranded
- Maximum Range: 1 Ampere



Specifications for Figure A&B Terminal Block:

- Flammability: UL94V-0
- Color: Black
- Housing Material: Thermoplastic polyester
- Wire Range: 12-22 AWG wire range
- Max. Operating Temp: 120°C
- Screws: #3-48, steel zinc plated
- Terminals: Bright acid-tin over copper alloy

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Tyco Electronics Part No.	Fig.	No. of Contacts	Description	Price Each		
					1	5	10
506-2M09DSM	1437684-3	A	9	D-sub conn. module	23.86	21.47	20.28
506-2M15DSM	1437684-7	A	15	D-sub conn. module	35.36	31.82	30.06
506-2M25DSM	1-1437684-8	A	25	D-sub conn. module	34.69	33.04	29.74
506-2M37DSM	2-1437684-3	A	37	D-sub conn. module	51.16	46.04	43.49
506-2M20FC	1-1437684-2	B	20	Flat cable conn. module	44.76	40.28	38.05
506-2M26FC	1-1437684-9	B	26	Flat cable conn. module	50.16	45.14	42.64
506-2M40FC	2-1437684-6	B	40	Flat cable conn. module	74.22	66.80	63.09
506-2M50FC	3-1437684-0	B	50	Flat cable conn. module	61.26	58.20	55.14
506-2M60FC	3-1437684-3	B	60	Flat cable conn. module	108.36	97.52	92.11
506-2TK2-6	1-1437685-4	C	- - -	Mounting channel, 6"	2.10	2.00	1.89
506-2TK2-12	1437685-6	C	- - -	Mounting channel, 12"	6.42	6.10	5.78

CINCH Barrier Terminal Blocks and Accessories

CINCH

RoHS Compliant **This page of product is compliant.**

BARRIER BLOCKS AND MARKER STRIPS

RoHS Compliant

Series 140 (.375)

Specifications:

- Voltage rating: 250VACRMS
- Current rating: 15A max.
- Withstanding voltage without marker strip: 1100VACRMS max.
- Withstanding voltage with marker strip: 2000VACRMS max.
- Maximum watts per terminal: 3750

Mechanical Specifications:

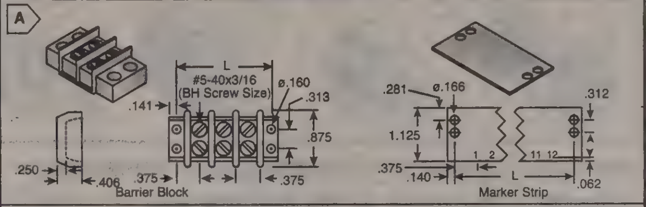
- Maximum wire size: #16AWG
- Recommended tightening torque: 9lb. -in.

For quantities of 200 and up, call for quote.

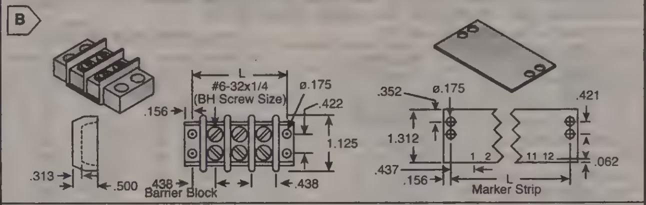
MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Terminals	L Dimension (in.)	Price Each 1	25	50	100
Barrier Blocks								
538-2140	2-140	A	2	1.125	1.14	1.00	.89	.81
538-3140	3-140	A	3	1.500	1.51	1.33	1.19	1.08
538-4140	4-140	A	4	1.875	1.62	1.43	1.28	1.15
538-5140	5-140	A	5	2.250	1.86	1.64	1.47	1.33
538-6140	6-140	A	6	2.625	2.30	2.02	1.81	1.63
538-7140	7-140	A	7	3.000	2.49	2.19	1.96	1.77
538-8140	8-140	A	8	3.375	2.86	2.52	2.26	2.04
538-9140	9-140	A	9	3.750	3.24	2.86	2.55	2.31
538-10140	10-140	A	10	4.125	3.59	3.17	2.83	2.56
538-12140	12-140	A	12	4.875	4.22	3.71	3.32	3.00
Marker Strips								
538-MS2140	MS-2-140	A	2	1.125	.68	.60	.53	.48
538-MS3140	MS-3-140	A	3	1.500	.70	.62	.55	.50
538-MS4140	MS-4-140	A	4	1.875	.76	.67	.60	.54
538-MS5140	MS-5-140	A	5	2.250	.76	.67	.60	.54
538-MS6140	MS-6-140	A	6	2.625	.76	.67	.60	.54
538-MS7140	MS-7-140	A	7	3.000	.81	.71	.64	.58
538-MS8140	MS-8-140	A	8	3.375	.86	.76	.68	.62
538-MS9140	MS-9-140	A	9	3.750	.95	.83	.74	.67
538-MS10140	MS-10-140	A	10	4.125	1.00	.88	.79	.71
538-MS12140	MS-12-140	A	12	4.875	1.00	.88	.79	.71

DIMENSIONS: in.

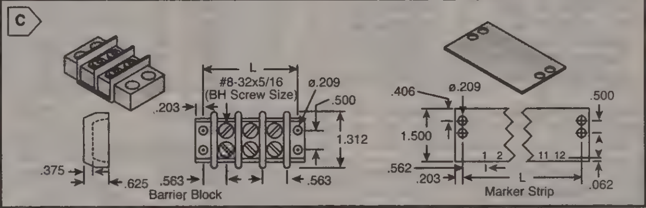
A



B



C



Series 141 (.438)

Specifications:

- Voltage rating: 250VACRMS
- Current rating: 20A max.
- Withstanding voltage without marker strip: 1100VACRMS max.
- Withstanding voltage with marker strip: 2400VACRMS max.
- Maximum watts per terminal: 5000

Mechanical Specifications:

- Maximum wire size: #14AWG
- Recommended tightening torque: 12lb. -in.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Terminals	L Dimension (in.)	Price Each 1	25	50	100
Barrier Blocks								
538-2141	2-141	B	2	1.312	1.11	.98	.87	.79
538-3141	3-141	B	3	1.750	1.89	1.67	1.49	1.35
538-4141	4-141	B	4	2.187	1.89	1.67	1.49	1.35
538-5141	5-141	B	5	2.625	2.14	1.88	1.68	1.52
538-06141	6-141	B	6	3.062	2.46	2.17	1.94	1.75
538-7141	7-141	B	7	3.500	3.00	2.64	2.36	2.13
538-8141	8-141	B	8	3.938	3.16	2.79	2.49	2.25
538-9141	9-141	B	9	4.375	3.59	3.17	2.83	2.56
538-10141	10-141	B	10	4.813	3.65	3.21	2.87	2.60
538-12141	12-141	B	12	5.687	4.46	3.93	3.51	3.17
Marker Strips								
538-MS2141	MS-2-141	B	2	1.312	.65	.57	.51	.46
538-MS3141	MS-3-141	B	3	1.750	.70	.62	.55	.50
538-MS4141	MS-4-141	B	4	2.187	.76	.67	.60	.54
538-MS5141	MS-5-141	B	5	2.625	.78	.69	.62	.56
538-MS6141	MS-6-141	B	6	3.062	.78	.69	.62	.56
538-MS7141	MS-7-141	B	7	3.500	.81	.71	.64	.58
538-MS8141	MS-8-141	B	8	3.938	.95	.83	.74	.67
538-MS9141	MS-9-141	B	9	4.375	.95	.83	.74	.67
538-MS10141	MS-10-141	B	10	4.813	1.00	.88	.79	.71
538-MS12141	MS-12-141	B	12	5.687	1.14	1.00	.89	.81

Series 142 (.563)

Specifications:

- Voltage rating: 250VACRMS
- Current rating: 30A max.
- Withstanding voltage without marker strip: 1600VACRMS max.
- Withstanding voltage with marker strip: 2600VACRMS max.
- Maximum watts per terminal: 7500

Mechanical Specifications:

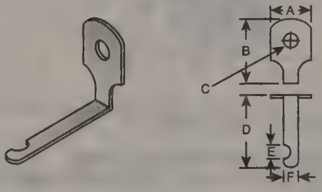
- Maximum wire size: #10AWG
- Recommended tightening torque: 16lb. -in.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	No. of Terminals	L Dimension (in.)	Price Each 1	25	50	100
Barrier Blocks								
538-2142	2-142	C	2	1.687	1.76	1.55	1.38	1.25
538-3142	3-142	C	3	2.250	2.11	1.86	1.66	1.50
538-4142	4-142	C	4	2.812	2.41	2.12	1.89	1.71
538-5142	5-142	C	5	3.375	3.51	3.10	2.77	2.50
538-06142	6-142	C	6	3.937	5.03	4.43	3.96	3.58
538-7142	7-142	C	7	4.500	5.51	4.86	4.34	3.92
538-8142	8-142	C	8	5.062	5.73	5.05	4.51	4.08
538-9142	9-142	C	9	5.625	8.76	7.71	6.89	6.23
538-10142	10-142	C	10	6.187	9.19	8.10	7.23	6.54
538-12142	12-142	C	12	7.312	9.68	8.52	7.62	6.88
Marker Strips								
538-MS2142	MS-2-142	C	2	1.687	.68	.60	.53	.48
538-MS3142	MS-3-142	C	3	2.250	.70	.62	.55	.50
538-MS4142	MS-4-142	C	4	2.812	.78	.69	.62	.56
538-MS5142	MS-5-142	C	5	3.375	.78	.69	.62	.56
538-MS6142	MS-6-142	C	6	3.937	.78	.69	.62	.56
538-MS7142	MS-7-142	C	7	4.500	.95	.83	.74	.67
538-MS8142	MS-8-142	C	8	5.062	.95	.83	.74	.67
538-MS9142	MS-9-142	C	9	5.625	1.08	.95	.85	.77
538-MS10142	MS-10-142	C	10	6.187	1.14	1.00	.89	.81
538-MS12142	MS-12-142	C	12	7.312	1.24	1.10	.98	.88

SOLDER TERMINALS, "Y" TERMINALS, PC BOARD

DIMENSIONS: in.



RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Dimensions (in.) A	B	C	D	E	F	Price Each 1	25	50	100
538-Y140	Y-140	.281	.500	.136	.593	.093	.091	.41	.36	.32	.29
538-Y141	Y-141	.312	.625	.152	.781	.125	.103	.70	.62	.55	.50
538-Y142	Y-142	.421	.734	.177	.906	.125	.126	.78	.69	.62	.56

JUMPERS

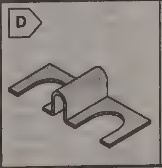
For connecting between adjacent terminals or alternate terminals. All jumpers are brass with nickel plating.

RoHS Compliant

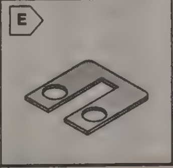
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cinch Part No.	Fig.	Barrier Block Series	Price Each 1	25	50	100
538-140J-1	140J1	D	140	.27	.24	.21	.19
538-141J-1	141J-1	E	141	.38	.33	.30	.27
538-141J	141J	F	141	.32	.29	.26	.23
538-95B	95B	F	142	.92	.81	.72	.65
538-142J-1	142J-1	G	142	.41	.36	.32	.29
538-142J-2	142J-2	H	142	.27	.24	.21	.19

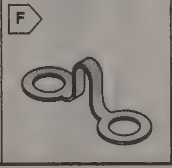
D



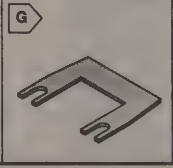
E



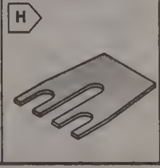
F



G

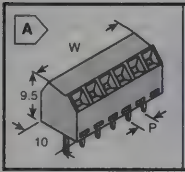


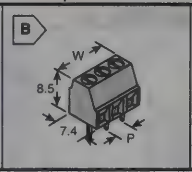
H

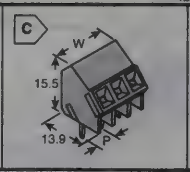


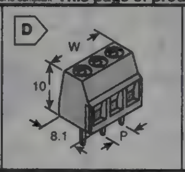
KOBICONN Terminal Blocks

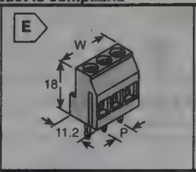
RoHS Compliant This page of product is compliant.

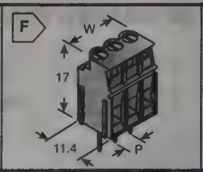


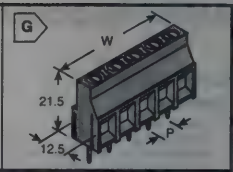












ONE PIECE DESIGN WITH SCREW CLAMP TERMINATION

3.81mm PCB Terminal Blocks - 55° Wire-to-Pin Orientation 300V@12A, IEC 125V@10A, 30-16AWG, Green Color

RoHS Compliant

- RoHS Compliant per Kobiconn documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02EK381A2-E	A	P02EK381A2	2	3.81	7.62	9.5	.64	.53	.48
158-P02EK381A3-E	A	P02EK381A3	3	3.81	11.43	9.5	.95	.79	.72
158-P02EK381A4-E	A	P02EK381A4	4	3.81	15.24	9.5	1.59	1.32	1.20
158-P02EK381A5-E	A	P02EK381A5	5	3.81	19.05	9.5	2.23	1.85	1.69
158-P02EK381A6-E	A	P02EK381A6	6	3.81	22.86	9.5	2.86	2.38	2.17
158-P02EK381A7-E	A	P02EK381A7	7	3.81	26.67	9.5	3.50	2.91	2.65
158-P02EK381A8-E	A	P02EK381A8	8	3.81	30.48	9.5	4.13	3.44	3.13
158-P02EK381A9-E	A	P02EK381A9	9	3.81	34.29	9.5	4.77	3.97	3.61
158-P02EK381A10-E	A	P02EK381A10	10	3.81	38.10	9.5	5.41	4.50	4.10
158-P02EK381A11-E	A	P02EK381A11	11	3.81	41.91	9.5	6.04	5.03	4.58
158-P02EK381A12-E	A	P02EK381A12	12	3.81	45.72	9.5	6.68	5.56	5.06

3.81mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation 300V@12A, IEC 125V@10A, 30-16AWG, Green Color

RoHS Compliant

- RoHS Compliant per Kobiconn documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02EK381V2-E	B	P02EK381V2	2	3.81	7.62	8.5	.58	.49	.44
158-P02EK381V3-E	B	P02EK381V3	3	3.81	11.43	8.5	.88	.73	.66
158-P02EK381V4-E	B	P02EK381V4	4	3.81	15.24	8.5	1.16	.97	.88
158-P02EK381V5-E	B	P02EK381V5	5	3.81	19.05	8.5	1.46	1.22	1.11
158-P02EK381V6-E	B	P02EK381V6	6	3.81	22.86	8.5	1.75	1.46	1.33
158-P02EK381V7-E	B	P02EK381V7	7	3.81	26.67	8.5	2.04	1.70	1.55
158-P02EK381V8-E	B	P02EK381V8	8	3.81	30.48	8.5	2.33	1.95	1.77
158-P02EK381V9-E	B	P02EK381V9	9	3.81	34.29	8.5	2.63	2.19	1.99
158-P02EK381V10-E	B	P02EK381V10	10	3.81	38.10	8.5	2.92	2.43	2.21
158-P02EK381V11-E	B	P02EK381V11	11	3.81	41.91	8.5	3.21	2.68	2.43
158-P02EK381V12-E	B	P02EK381V12	12	3.81	45.72	8.5	3.50	2.92	2.65

5mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation 300V@20A, IEC 250V@10A, 24-12AWG, Green Color

- End Stackable • RoHS Compliant per Kobiconn documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02EK500A2-E	C	P02EK500A2	2	5.0	10	15.5	.58	.49	.44
158-P02EK500A3-E	C	P02EK500A3	3	5.0	15	15.5	.88	.73	.66

5.08mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation 300V@20A, IEC 250V@10A, 24-12AWG, Green Color

- End Stackable • RoHS Compliant per Kobiconn documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02EK508A2-E	C	P02EK508A2	2	5.08	10.16	15.5	.63	.52	.48
158-P02EK508A3-E	C	P02EK508A3	3	5.08	15.24	15.5	.94	.78	.71

5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation 300V@13.5A, IEC 125V@10A, 26-16AWG, Green Color

RoHS Compliant

- Reduced Height
- RoHS Compliant per Kobiconn documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02ELK508V2-E	D	P02ELK508V2	2	5.08	10.16	10	.72	.60	.55
158-P02ELK508V3-E	D	P02ELK508V3	3	5.08	15.24	10	1.08	.90	.82
158-P02ELK508V4-E	D	P02ELK508V4	4	5.08	20.32	10	1.45	1.21	1.10
158-P02ELK508V5-E	D	P02ELK508V5	5	5.08	25.40	10	1.81	1.51	1.37
158-P02ELK508V6-E	D	P02ELK508V6	6	5.08	30.48	10	2.17	1.81	1.64
158-P02ELK508V7-E	D	P02ELK508V7	7	5.08	35.56	10	2.53	2.11	1.92
158-P02ELK508V8-E	D	P02ELK508V8	8	5.08	40.64	10	2.89	2.41	2.19
158-P02ELK508V9-E	D	P02ELK508V9	9	5.08	45.72	10	3.25	2.71	2.47
158-P02ELK508V10-E	D	P02ELK508V10	10	5.08	50.80	10	3.62	3.01	2.74
158-P02ELK508V11-E	D	P02ELK508V11	11	5.08	55.88	10	3.98	3.31	3.01
158-P02ELK508V12-E	D	P02ELK508V12	12	5.08	60.96	10	4.34	3.62	3.29

5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation 300V@25A, IEC 250V@32A, 24-12AWG, Green Color

- End Stackable
- RoHS Compliant per Kobiconn documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02EHK508V2-E	E	P02EHK508V2	2	5.08	10.16	18	.87	.73	.66
158-P02EHK508V3-E	E	P02EHK508V3	3	5.08	15.24	18	1.31	1.09	.99

5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation 600V@23A, IEC 250V@24A, 24-10AWG, Green Color

- End Stackable
- RoHS Compliant per Kobiconn documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02ESK508V2-E	F	P02ESK508V2	2	5.08	10.16	17	1.01	.84	.77
158-P02ESK508V3-E	F	P02ESK508V3	3	5.08	15.24	17	1.52	1.26	1.15

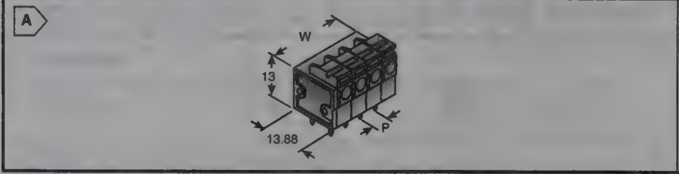
9.52mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation 300V@30A, IEC 500V@32A, 26-10AWG, Green Color

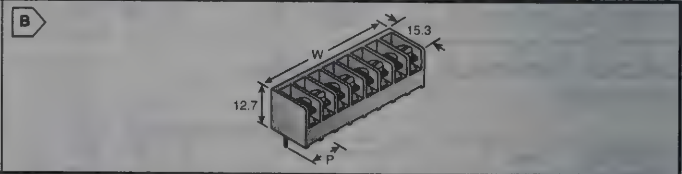
- End Stackable
- RoHS Compliant per Kobiconn documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02EK950V2-E	G	P02EK950V2	2	9.52	19.04	21.5	.88	.73	.66
158-P02EK950V3-E	G	P02EK950V3	3	9.52	28.56	21.5	1.31	1.09	.99





PUSH RELEASE TERMINAL BLOCKS

5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation 300V@10A, IEC 380V@16A, 22-14AWG, Green W/Orange Release Lever

RoHS Compliant

- RoHS Compliant per Kobiconn documentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02142RPU-E	A	P02142RPU	2	5.08	12.70	13	.53	.52	.48
158-P03142RPU-E	A	P03142RPU	3	5.08	17.78	13	.94	.78	.71
158-P04142RPU-E	A	P04142RPU	4	5.08	22.86	13	1.25	1.05	.95
158-P05142RPU-E	A	P05142RPU	5	5.08	27.94	13	1.57	1.31	1.19
158-P06142RPU-E	A	P06142RPU	6	5.08	33.02	13	1.88	1.57	1.43
158-P07142RPU-E	A	P07142RPU	7	5.08	38.10	13	2.20	1.83	1.66
158-P08142RPU-E	A	P08142RPU	8	5.08	43.18	13	2.51	2.09	1.90
158-P09142RPU-E	A	P09142RPU	9	5.08	48.26	13	2.82	2.35	2.14
158-P10142RPU-E	A	P10142RPU	10	5.08	53.34	13	3.14	2.61	2.38
158-P11142RPU-E	A	P11142RPU	11	5.08	58.42	13	3.45	2.87	2.61
158-P12142RPU-E	A	P12142RPU	12	5.08	63.50	13	3.76	3.14	2.85

Tri-Barrier Single Row 8.25mm PCB Terminal Blocks 300V@20A, 22-12AWG, Black Color

RoHS Compliant

- RoHS Compliant per Kobiconn documentation

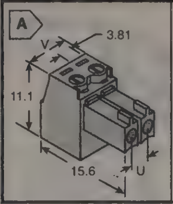
For quantities of 500 and up, call for quote.

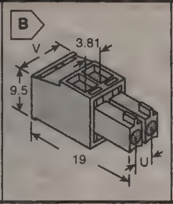
MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	W	H	1	50	100
158-P02DT39B-E	B	P02DT39B	2	8.25	17.40	12.7	.68	.57	.51
158-P03DT39B-E	B	P03DT39B	3	8.25	25.65	12.7	1.02	.85	.77
158-P04DT39B-E	B	P04DT39B	4	8.25	33.90	12.7	1.36	1.13	1.03
158-P05DT39B-E	B	P05DT39B	5	8.25	42.15	12.7	1.70	1.42	1.29
158-P06DT39B-E	B	P06DT39B	6	8.25	50.40	12.7	2.04	1.70	1.54
158-P07DT39B-E	B	P07DT39B	7	8.25	58.64	12.7	2.38	1.98	1.80
158-P08DT39B-E	B	P08DT39B	8	8.25	66.90	12.7	2.72	2.27	2.06
158-P09DT39B-E	B	P09DT39B	9	8.25	75.15	12.7	3.06	2.55	2.32
158-P10DT39B-E	B	P10DT39B	10	8.25	83.40	12.7	3.40	2.83	2.57
158-P11DT39B-E	B	P11DT39B	11	8.25	91.65	12.7	3.74	3.11	2.83
158-P12DT39B-E	B	P12DT39B	12	8.25	99.90	12.7	4.08	3.40	3.09

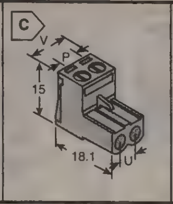
KOBICONN Pluggable Terminal Blocks

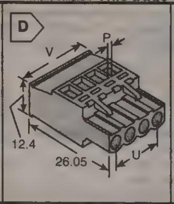
KOBICONN

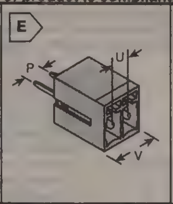
RoHS Compliant **This page of product is compliant.**

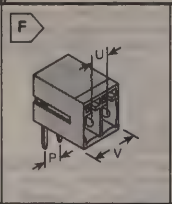
A


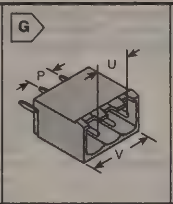
B


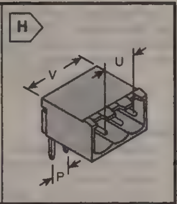
C


D


E


F


G


H


TERMINAL BLOCK PLUGS

- RoHS compliant per Kobiconn documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	U	V	1	50	100
3.81mm Terminal Block Plugs - 180° Wire-to-Plug Orientation 300V@8A, IEC 125V@8A, 22-16AWG, Green Color									
158-P02EC381VP-E	A	P02EC381VP	2	3.81	3.81	8.41	1.09	.91	.83
158-P03EC381VP-E	A	P03EC381VP	3	3.81	7.62	12.22	1.63	1.36	1.24
158-P04EC381VP-E	A	P04EC381VP	4	3.81	11.43	16.03	2.18	1.82	1.65
158-P05EC381VP-E	A	P05EC381VP	5	3.81	15.24	19.84	2.72	2.27	2.06
158-P06EC381VP-E	A	P06EC381VP	6	3.81	19.05	23.65	3.27	2.72	2.48
158-P07EC381VP-E	A	P07EC381VP	7	3.81	22.86	27.46	3.81	3.18	2.89
158-P08EC381VP-E	A	P08EC381VP	8	3.81	26.67	31.27	4.36	3.63	3.30
158-P09EC381VP-E	A	P09EC381VP	9	3.81	30.48	35.08	4.90	4.08	3.71
158-P10EC381VP-E	A	P10EC381VP	10	3.81	34.29	38.89	5.45	4.54	4.13
158-P11EC381VP-E	A	P11EC381VP	11	3.81	38.10	42.70	5.99	4.99	4.54
158-P12EC381VP-E	A	P12EC381VP	12	3.81	41.91	46.51	6.53	5.45	4.95
3.81mm Terminal Block Plugs - 90° Wire-to-Plug Orientation 300V@8A, IEC 125V@8A, 22-16AWG, Green Color									
158-P02EC381RP-E	B	P02EC381RP	2	3.81	3.81	8.41	1.25	1.04	.94
158-P03EC381RP-E	B	P03EC381RP	3	3.81	7.62	12.22	1.87	1.56	1.42
158-P04EC381RP-E	B	P04EC381RP	4	3.81	11.43	16.03	2.49	2.08	1.89
158-P05EC381RP-E	B	P05EC381RP	5	3.81	15.24	19.84	3.11	2.60	2.36
158-P06EC381RP-E	B	P06EC381RP	6	3.81	19.05	23.65	3.74	3.11	2.83
158-P07EC381RP-E	B	P07EC381RP	7	3.81	22.86	27.46	4.36	3.63	3.30
158-P08EC381RP-E	B	P08EC381RP	8	3.81	26.67	31.27	4.98	4.15	3.78
158-P09EC381RP-E	B	P09EC381RP	9	3.81	30.48	35.08	5.61	4.67	4.25
158-P10EC381RP-E	B	P10EC381RP	10	3.81	34.29	38.89	6.23	5.19	4.72
158-P11EC381RP-E	B	P11EC381RP	11	3.81	38.10	42.70	6.85	5.71	5.19
158-P12EC381RP-E	B	P12EC381RP	12	3.81	41.91	46.51	7.47	6.23	5.66
5.0mm Terminal Block Plugs - 180° Wire-to-Plug Orientation 300V@15A, IEC 250V@12A, 28-12AWG, Green Color									
158-P025ESDVP-E	C	P025ESDVP	2	5.00	5	10	.93	.78	.71
158-P035ESDVP-E	C	P035ESDVP	3	5.00	10	15	1.40	1.17	1.06
158-P045ESDVP-E	C	P045ESDVP	4	5.00	15	20	1.86	1.55	1.41
158-P055ESDVP-E	C	P055ESDVP	5	5.00	20	25	2.33	1.94	1.77
158-P065ESDVP-E	C	P065ESDVP	6	5.00	25	30	2.80	2.33	2.12
158-P075ESDVP-E	C	P075ESDVP	7	5.00	30	35	3.26	2.72	2.47
158-P085ESDVP-E	C	P085ESDVP	8	5.00	35	40	3.73	3.11	2.82
158-P095ESDVP-E	C	P095ESDVP	9	5.00	40	45	4.19	3.50	3.18
158-P105ESDVP-E	C	P105ESDVP	10	5.00	45	50	4.66	3.88	3.53
158-P115ESDVP-E	C	P115ESDVP	11	5.00	50	55	5.13	4.27	3.88
158-P125ESDVP-E	C	P125ESDVP	12	5.00	55	60	5.59	4.66	4.24
5.0mm Terminal Block Plugs - 90° Wire-to-Plug Orientation 300V@15A, IEC 250V@12A, 28-12AWG, Green Color									
158-P025ESDPP-E	D	P025ESDPP	2	5.00	5	10	.99	.83	.75
158-P035ESDPP-E	D	P035ESDPP	3	5.00	10	15	1.49	1.24	1.13
158-P045ESDPP-E	D	P045ESDPP	4	5.00	15	20	1.99	1.66	1.50
158-P055ESDPP-E	D	P055ESDPP	5	5.00	20	25	2.48	2.07	1.88
158-P065ESDPP-E	D	P065ESDPP	6	5.00	25	30	2.98	2.48	2.26
158-P075ESDPP-E	D	P075ESDPP	7	5.00	30	35	3.48	2.90	2.63
158-P085ESDPP-E	D	P085ESDPP	8	5.00	35	40	3.97	3.31	3.01
158-P095ESDPP-E	D	P095ESDPP	9	5.00	40	45	4.47	3.72	3.39
158-P105ESDPP-E	D	P105ESDPP	10	5.00	45	50	4.97	4.14	3.76
158-P115ESDPP-E	D	P115ESDPP	11	5.00	50	55	5.46	4.55	4.14
158-P125ESDPP-E	D	P125ESDPP	12	5.00	55	60	5.96	4.97	4.51
5.08mm Terminal Block Plugs - 180° Wire-to-Plug Orientation 300V@15A, IEC 250V@12A, 28-12AWG, Green Color									
158-P022ESDVP-E	C	P022ESDVP	2	5.08	5.08	10.16	.93	.78	.71
158-P032ESDVP-E	C	P032ESDVP	3	5.08	10.16	15.24	1.40	1.17	1.06
158-P042ESDVP-E	C	P042ESDVP	4	5.08	15.24	20.32	1.86	1.55	1.41
158-P052ESDVP-E	C	P052ESDVP	5	5.08	20.32	25.40	2.33	1.94	1.77
158-P062ESDVP-E	C	P062ESDVP	6	5.08	25.40	30.48	2.80	2.33	2.12
158-P072ESDVP-E	C	P072ESDVP	7	5.08	30.48	35.56	3.26	2.72	2.47
158-P082ESDVP-E	C	P082ESDVP	8	5.08	35.56	40.64	3.73	3.11	2.82
158-P092ESDVP-E	C	P092ESDVP	9	5.08	40.64	45.72	4.19	3.50	3.18
158-P102ESDVP-E	C	P102ESDVP	10	5.08	45.72	50.80	4.66	3.88	3.53
158-P112ESDVP-E	C	P112ESDVP	11	5.08	50.80	55.88	5.13	4.27	3.88
158-P122ESDVP-E	C	P122ESDVP	12	5.08	55.88	60.96	5.59	4.66	4.24
5.08mm Terminal Block Plugs - 90° Wire-to-Plug Orientation 300V@15A, IEC 250V@12A, 28-12AWG, Green Color									
158-P022ESDPP-E	D	P022ESDPP	2	5.08	5.08	10.16	.99	.83	.75
158-P032ESDPP-E	D	P032ESDPP	3	5.08	10.16	15.24	1.49	1.24	1.13
158-P042ESDPP-E	D	P042ESDPP	4	5.08	15.24	20.32	1.99	1.66	1.50
158-P052ESDPP-E	D	P052ESDPP	5	5.08	20.32	25.40	2.48	2.07	1.88
158-P062ESDPP-E	D	P062ESDPP	6	5.08	25.40	30.48	2.98	2.48	2.26
158-P072ESDPP-E	D	P072ESDPP	7	5.08	30.48	35.56	3.48	2.90	2.63
158-P082ESDPP-E	D	P082ESDPP	8	5.08	35.56	40.64	3.97	3.31	3.01
158-P092ESDPP-E	D	P092ESDPP	9	5.08	40.64	45.72	4.47	3.72	3.39
158-P102ESDPP-E	D	P102ESDPP	10	5.08	45.72	50.80	4.97	4.14	3.76
158-P112ESDPP-E	D	P112ESDPP	11	5.08	50.80	55.88	5.46	4.55	4.14
158-P122ESDPP-E	D	P122ESDPP	12	5.08	55.88	60.96	5.96	4.97	4.51

TERMINAL BLOCK HEADERS

- RoHS compliant per Kobiconn documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Kobiconn Part No.	Pos.	Dimensions (mm.)			Price Each		
				P	U	V	1	50	100
3.81mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation 300V@8A, IEC 125V@8A, Green Color-Vertical									
158-P02ECH381VH-E	E	P02ECH381VH	2	3.81	3.81	8.41	.43	.36	.33
158-P03ECH381VH-E	E	P03ECH381VH	3	3.81	7.62	12.22	.65	.54	.49
158-P04ECH381VH-E	E	P04ECH381VH	4	3.81	11.43	16.03	.86	.72	.65
158-P05ECH381VH-E	E	P05ECH381VH	5	3.81	15.24	19.84	1.08	.90	.82
158-P06ECH381VH-E	E	P06ECH381VH	6	3.81	19.05	23.65	1.29	1.08	.98
158-P07ECH381VH-E	E	P07ECH381VH	7	3.81	22.86	27.46	1.51	1.26	1.14
158-P08ECH381VH-E	E	P08ECH381VH	8	3.81	26.67	31.27	1.72	1.44	1.31
158-P09ECH381VH-E	E	P09ECH381VH	9	3.81	30.48	35.08	1.94	1.62	1.47
158-P10ECH381VH-E	E	P10ECH381VH	10	3.81	34.29	38.89	2.16	1.80	1.63
158-P11ECH381VH-E	E	P11ECH381VH	11	3.81	38.10	42.70	2.37	1.98	1.80
158-P12ECH381VH-E	E	P12ECH381VH	12	3.81	41.91	46.51	2.59	2.16	1.96
3.81mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation 300V@8A, IEC 125V@8A, Green Color-Right Angle									
158-P02ECH381RH-E	F	P02ECH381RH	2	3.81	3.81	8.41	.43	.36	.33
158-P03ECH381RH-E	F	P03ECH381RH	3	3.81	7.62	12.22	.65	.54	.49
158-P04ECH381RH-E	F	P04ECH381RH	4	3.81	11.43	16.03	.86	.72	.65
158-P05ECH381RH-E	F	P05ECH381RH	5	3.81	15.24	19.84	1.08	.90	.82
158-P06ECH381RH-E	F	P06ECH381RH	6	3.81	19.05	23.65	1.29	1.08	.98
158-P07ECH381RH-E	F	P07ECH381RH	7	3.81	22.86	27.46	1.51	1.26	1.14
158-P08ECH381RH-E	F	P08ECH381RH	8	3.81	26.67	31.27	1.72	1.44	1.31
158-P09ECH381RH-E	F	P09ECH381RH	9	3.81	30.48	35.08	1.94	1.62	1.47
158-P10ECH381RH-E	F	P10ECH381RH	10	3.81	34.29	38.89	2.16	1.80	1.63
158-P11ECH381RH-E	F	P11ECH381RH	11	3.81	38.10	42.70	2.37	1.98	1.80
158-P12ECH381RH-E	F	P12ECH381RH	12	3.81	41.91	46.51	2.59	2.16	1.96
5.0mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation 300V@15A, IEC 250V@12A, Green Color-Vertical									
158-P025EHDVCH-E	G	P025EHDVCH	2	5.00	5	11.28	.43	.36	.33
158-P035EHDVCH-E	G	P035EHDVCH	3	5.00	10	16.28	.65	.54	.49
158-P045EHDVCH-E	G	P045EHDVCH	4	5.00	15	21.28	.86	.72	.65
158-P055EHDVCH-E	G	P055EHDVCH	5	5.00	20	26.28	1.08	.90	.82
158-P065EHDVCH-E	G	P065EHDVCH	6	5.00	25	31.28	1.29	1.08	.98
158-P075EHDVCH-E	G	P075EHDVCH	7	5.00	30	36.28	1.51	1.26	1.14
158-P085EHDVCH-E	G	P085EHDVCH	8	5.00	35	41.28	1.72	1.44	1.31
158-P095EHDVCH-E	G	P095EHDVCH	9	5.00	40	46.28	1.94	1.62	1.47
158-P105EHDVCH-E	G	P105EHDVCH	10	5.00	45	51.28	2.16	1.80	1.63
158-P115EHDVCH-E	G	P115EHDVCH	11	5.00	50	56.28	2.37	1.98	1.80
158-P125EHDVCH-E	G	P125EHDVCH	12	5.00	55	61.28	2.59	2.16	1.96
5.0mm PCB Terminal Block Headers - 90° Socket-to-Pin Orientation 300V@15A, IEC 250V@12A, Green Color-Right Angle									
158-P025EHDRCH-E	H	P025EHDRCH	2	5.00	5	11.28	.45	.38	.34
158-P035EHDRCH-E	H	P035EHDRCH	3	5.00	10	16.28	.68	.57	.52
158-P045EHDRCH-E	H	P045EHDRCH	4	5.00	15	21.28	.90	.75	.68
158-P055EHDRCH-E	H	P055EHDRCH	5	5.00	20	26.28	1.11	.93	.84
158-P065EHDRCH-E	H	P065EHDRCH	6	5.00	25	31.28	1.33	1.11	1.01
158-P075EHDRCH-E	H	P075EHDRCH	7	5.00	30	36.28	1.54	1.29	1.17
158-P085EHDRCH-E	H	P085EHDRCH	8	5.00	35	41.28	1.76	1.47	1.33
158-P095EHDRCH-E	H	P095EHDRCH	9	5.00	40	46.28	1.98	1.65	1.50
158-P105EHDRCH-E	H	P105EHDRCH	10	5.00	45	51.28	2.19	1.83	1.66
158-P115EHDRCH-E	H	P115EHDRCH	11	5.00	50	56.28	2.41	2.01	1.82
158-P125EHDRCH-E	H	P125EHDRCH	12	5.00	55	61.28	2.62	2.19	1.99
5.08mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation 300V@15A, IEC 250V@12A, Green Color-Vertical									
158-P022EHDVCH-E	G	P022EHDVCH	2	5.08	5.08	11.36	.43	.36	.33
158-P032EHDVCH-E	G	P032EHDVCH	3	5.08	10.16	16.44	.65	.54	.49
158-P042EHDVCH-E	G	P042EHDVCH	4	5.08	15.24	21.52	.86	.72	.65
158-P052EHDVCH-E	G	P052EHDVCH	5	5.08	20.32	26.60	1.08	.90	.82
158-P062EHDVCH-E	G	P062EHDVCH	6	5.08	25.40	31.68	1.29	1.08	.98
158-P072EHDVCH-E	G	P072EHDVCH	7	5.08	30.48	36.76	1.51	1.26	1.14
158-P082EHDVCH-E	G	P082EHDVCH	8	5.08	35.56	41.84	1.72	1.44	1.31
158-P092EHDVCH-E	G	P092EHDVCH	9	5.08	40.64	46.92	1.94	1.62	1.47
158-P102EHDVCH-E	G	P102EHDVCH	10	5.08	45.72	52.00	2.16	1.80	1.63
158-P112EHDVCH-E	G	P112EHDVCH	11	5.08	50.80	57.08	2.37	1.98	1.80
158-P122EHDVCH-E	G	P122EHDVCH	12	5.08	55.88	62.16	2.59	2.16	1.96
5.08mm PCB Terminal Block Headers - 90° Socket-to-Pin Orientation 300V@15A, IEC 250V@12A, Green Color-Right Angle									
158-P022EHDRCH-E	H	P022EHDRCH	2	5.08	5.08	11.36	.45	.38	.34
158-P032EHDRCH-E	H	P032EHDRCH	3	5.08	10.16	16.44	.68	.57	.52
158-P042EHDRCH-E	H	P042EHDRCH	4	5.08	15.24	21.52	.90	.75	.68
158-P052EHDRCH-E	H	P052EHDRCH	5	5.08	20.32	26.60	1.11	.93	.84
158-P062EHDRCH-E	H	P062EHDRCH	6	5.08	25.40	31.68	1.33	1.11	1.01
158-P072EHDRCH-E	H	P072EHDRCH	7	5.08	30.48	36.76	1.54	1.29	1.17
158-P082EHDRCH-E	H	P082EHDRCH	8	5.08	35.56	41.84	1.76	1.47	1.33
158-P092EHDRCH-E	H	P092EHDRCH	9	5.08	40.64	46.92	1.98	1.65	1.50
158-P102EHDRCH-E	H	P102EHDRCH	10	5.08	45.72	52.00	2.19	1.83	1.66
158-P112EHDRCH-E	H	P112EHDRCH	11	5.08	50.80	57.08	2.41	2.01	1.82
158-P122EHDRCH-E	H	P122EHDRCH	12	5.08	55.88	62.16	2.62	2.19	1.99

MOLEX Interface Modules

Interface modules are Din-Rail mounted, PCB-based interconnect devices that provide an expedient and simplistic means to transition between system I/O and field equipment. Modules incorporate terminal blocks and other high-density electronic connectors and are provided with pre-drilled component holes allowing for the addition of other electronic components, if necessary. Typical modifications include the addition of resistors, capacitors, diodes or LED's for additional functionality.

Features:
- Rising cage clamp terminal blocks
- High packing density of compact modules
- Labeling/marking
- Pre-drilled component holes
- Lower installed cost
- For discrete wire connections

Applications:
- Machine Builders
- Process Control Equipment/Systems
- Industrial Control Equipment
- Material Handling Equipment
- Transportation
- Construction Equipment

Terminal Block Specifications:
- Wire Size: 26 - 12 AWG
- Current: 15A max.
- Voltage: 300V max.
- Housing Material: PA Polyamide (Nylon) 6/6
- Flammability: UL 94V-0
- Contact: Phosphor Bronze (CuSn)
- Plating Contact: Tin (Sn)

Ribbon Cable Connector:
- Voltage: 120V
- Current: 1.0A
- Dielectric Withstanding Voltage: 1000V RMS
- Insulation Resistance: 1000MΩ min.

D-Sub Connector:
- Voltage: 125V
- Current: 2.50A
- Dielectric Withstanding Voltage: 500V RMS
- Insulation Resistance: 1000MΩ min.

D-SUB MODULES - FIXED (ONE-PIECE) TERMINAL BLOCKS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Dimension A mm (In.)	Price Each			
					1	5	10	25
538-39170-2009	39170-2009	A	9 Pin Male D-Sub	39.4 (1.55)	76.36	68.72	61.85	52.95
538-39170-2015	39170-2015	A	15 Pin Male D-Sub	54.4 (2.14)	51.92	46.73	42.05	36.89
538-39170-2025	39170-2025	A	25 Pin Male D-Sub	79.8 (3.14)	82.23	77.75	72.47	68.97
538-39170-2037	39170-2037	A	37 Pin Male D-Sub	106.4 (4.19)	132.00	118.81	106.92	91.52
538-39170-2050	39170-2050	A	50 Pin Male D-Sub	142.0 (5.59)	164.65	148.18	133.36	114.16
538-39170-3009	39170-3009	B	9 Pin Female D-Sub	39.4 (1.55)	35.65	33.71	31.42	29.90
538-39170-3015	39170-3015	B	15 Pin Female D-Sub	54.4 (2.14)	85.78	77.20	69.48	59.48
538-39170-3025	39170-3025	B	25 Pin Female D-Sub	79.8 (3.14)	82.23	77.75	72.47	68.97
538-39170-3037	39170-3037	B	37 Pin Female D-Sub	106.4 (4.19)	132.00	118.80	106.92	91.52
538-39170-3050	39170-3050	B	50 Pin Female D-Sub	142.0 (5.59)	164.65	148.18	133.36	114.16

D-SUB MODULES - PLUGGABLE (TWO-PIECE) TERMINAL BLOCKS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Dimension A mm (In.)	Price Each			
					1	5	10	25
538-39170-2109	39170-2109	C	9 Pin Male D-Sub	39.4 (1.55)	62.44	59.04	55.03	52.37
538-39170-2115	39170-2115	C	15 Pin Male D-Sub	54.4 (2.14)	71.10	67.22	62.66	59.63
538-39170-2125	39170-2125	C	25 Pin Male D-Sub	79.8 (3.14)	110.69	99.62	89.65	76.74
538-39170-2137	39170-2137	C	37 Pin Male D-Sub	106.4 (4.19)	140.28	126.25	113.63	97.26
538-39170-2150	39170-2150	C	50 Pin Male D-Sub	142.0 (5.59)	74.98	70.89	66.08	62.89
538-39170-3109	39170-3109	D	9 Pin Female D-Sub	39.4 (1.55)	77.75	73.51	68.53	65.21
538-39170-3115	39170-3115	D	15 Pin Female D-Sub	54.4 (2.14)	88.46	79.61	71.65	61.38
538-39170-3125	39170-3125	D	25 Pin Female D-Sub	79.8 (3.14)	88.46	79.61	71.65	61.38
538-39170-3137	39170-3137	D	37 Pin Female D-Sub	106.4 (4.19)	112.67	106.53	99.31	94.50
538-39170-3150	39170-3150	D	50 Pin Female D-Sub	142.0 (5.59)	181.80	163.62	147.26	126.05

RIBBON CABLE MODULES - FIXED (ONE-PIECE) TERMINAL BLOCKS

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Dimension A mm (In.)	Price Each			
					1	5	10	25
538-39170-1014	39170-1014	E	14 Pin Ribbon Cable	50.8 (2.00)	79.69	71.72	64.55	55.25
538-39170-1016	39170-1016	E	16 Pin Ribbon Cable	53.3 (2.10)	80.23	72.21	64.98	55.62
538-39170-1020	39170-1020	E	20 Pin Ribbon Cable	61.0 (2.40)	88.53	79.68	71.71	61.38
538-39170-1026	39170-1026	E	26 Pin Ribbon Cable	76.2 (3.00)	105.13	94.62	85.15	72.89
538-39170-1034	39170-1034	E	34 Pin Ribbon Cable	95.0 (3.74)	117.96	112.06	106.46	99.52
538-39170-1040	39170-1040	E	40 Pin Ribbon Cable	111.5 (4.39)	106.67	100.85	94.02	89.47
538-39170-1050	39170-1050	E	50 Pin Ribbon Cable	135.6 (5.34)	95.38	85.84	77.26	68.13

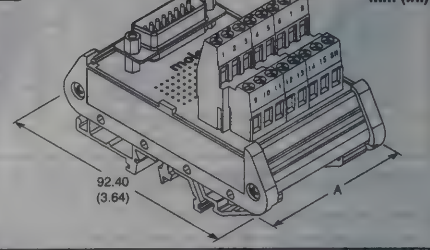
RIBBON CABLE MODULES - PLUGGABLE (TWO-PIECE) TERMINAL BLOCKS

For quantities of 50 and up, call for quote.

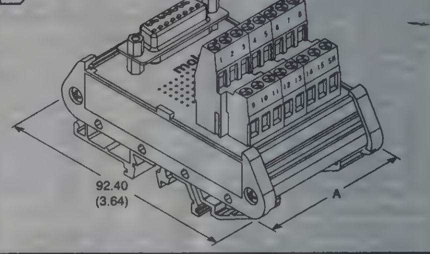
MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Dimension A mm (In.)	Price Each			
					1	5	10	25
538-39170-1114	39170-1114	F	14 Pin Ribbon Cable	50.8 (2.00)	84.61	77.84	71.61	65.88
538-39170-1116	39170-1116	F	16 Pin Ribbon Cable	53.3 (2.10)	86.53	76.91	73.24	67.38
538-39170-1120	39170-1120	F	20 Pin Ribbon Cable	61.0 (2.40)	98.00	90.16	82.94	76.31
538-39170-1126	39170-1126	F	26 Pin Ribbon Cable	76.2 (3.00)	107.50	98.69	90.79	83.53
538-39170-1134	39170-1134	F	34 Pin Ribbon Cable	95.0 (3,74)	130.76	120.30	110.68	99.61
538-39170-1140	39170-1140	F	40 Pin Ribbon Cable	111.5 (4.39)	138.46	127.38	117.19	107.81

DIMENSIONS:
mm (In.)

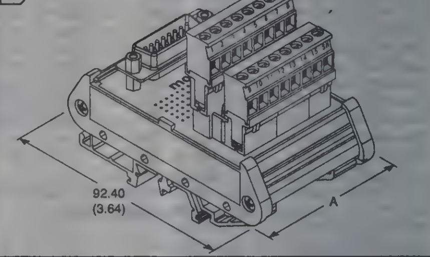
A



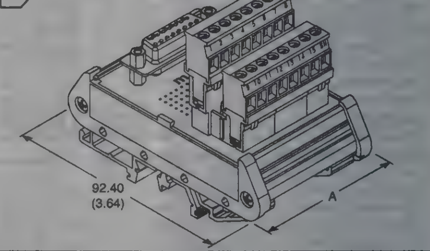
B



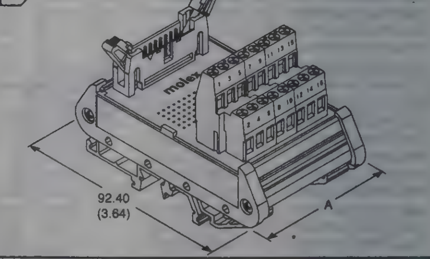
C



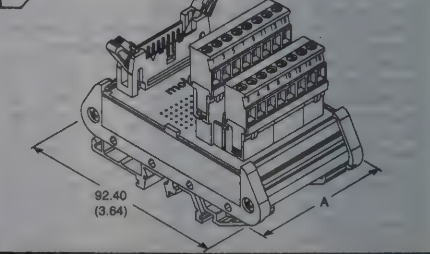
D



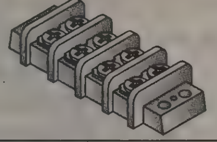
E

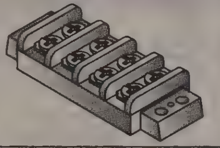


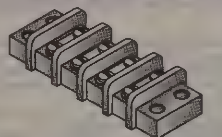
F

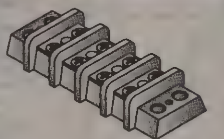


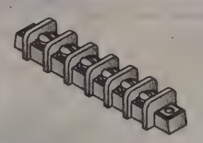
MOLEX Barrier Terminal Blocks and Accessories

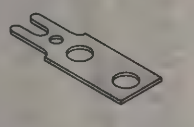
A


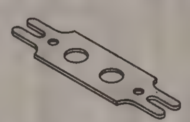
B


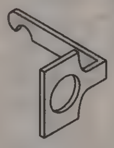
C


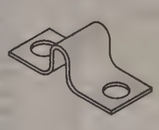
D


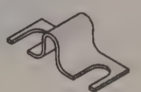
E


F


G


H


I


J


WIRE-TO-WIRE TERMINAL BLOCKS

Robust and durable they are ultrasonically welded into the thermoplastic insulator. The terminal can not be twisted or rotated even under excessive force.Closed bottom design allows for the terminal to be mounted directly on a sheet metal panel or placed over a panel cutout.

Features:
- Wire to Wire
- 15 to 20 Amps
- Insulator: Thermoplastic, UL94V-0, black
- Terminals: Brass, nickel plated
- Screw: #6-32, phil/slot, steel, zinc chromate plated
- Screw Terminal Style
- 150 to 300 Volts

.375" Double Row, Low Profile - Thermoplastic

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-38770-0102	38770-0102	77002	A	2	.82	.68	.55	.48
538-38770-0103	38770-0103	77003	A	3	.93	.84	.75	.67
538-38770-0104	38770-0104	77004	A	4	1.13	.94	.75	.66
538-38770-0105	38770-0105	77005	A	5	1.46	1.22	.97	.85
538-38770-0106	38770-0106	77006	A	6	1.75	1.46	1.31	1.18
538-38770-0107	38770-0107	77007	A	7	1.81	1.51	1.42	1.34
538-38770-0108	38770-0108	77008	A	8	2.16	1.80	1.55	1.39
538-38770-0110	38770-0110	77010	A	10	2.59	2.33	2.09	1.88
538-38770-0112	38770-0112	77012	A	12	2.94	2.45	1.97	1.72
538-38770-0114	38770-0114	77014	A	14	3.48	2.90	2.75	2.48
538-38770-0116	38770-0116	77016	A	16	3.93	3.53	3.25	2.99
538-38770-0120	38770-0120	77020	A	20	5.47	4.92	4.43	3.99

RoHS Compliant

.375" Double Row - Thermoplastic

For quantities of 200 and up, call for quote.

538-38760-0102	38760-0102	76002	A	2	.82	.69	.55	.49
538-38760-0103	38760-0103	76003	A	3	1.05	.94	.85	.76
538-38760-0104	38760-0104	76004	A	4	.93	.86	.82	.74
538-38760-0105	38760-0105	76005	A	5	1.46	1.32	1.25	1.17
538-38760-0106	38760-0106	76006	A	6	1.55	1.39	1.25	1.12
538-38760-0107	38760-0107	76007	A	7	1.51	1.21	1.09	1.03
538-38760-0108	38760-0108	76008	A	8	2.13	1.69	1.52	1.44
538-38760-0110	38760-0110	76010	A	10	2.18	1.86	1.78	1.62
538-38760-0112	38760-0112	76012	A	12	2.45	2.19	2.10	1.89

.438" Double Row - Thermoplastic

Ultrasonically welded into the thermoplastic insulator. The terminal can not be twisted or rotated even under excessive force. Closed bottom design allows for the terminal to be mounted directly on a sheet metal panel or placed over a panel cutout.

Features:
- Wire to Wire
- Insulator: Thermoplastic, UL94V-0, black
- Terminal: Brass, nickel plated
- Screw Terminal Style
- Screw: #6-32, phil/slot, steel, zinc chromate plated
- 15-20 Amps

RoHS Compliant

For quantities of 200 and up, call for quote.

538-38780-0102	38780-0102	78002	B	2	.86	.77	.69	.66
538-38780-0103	38780-0103	78003	B	3	1.75	1.45	1.16	1.01
538-38780-0104	38780-0104	78004	B	4	1.54	1.29	1.03	.90
538-38780-0105	38780-0105	78005	B	5	1.84	1.69	1.55	1.43
538-38780-0106	38780-0106	78006	B	6	2.02	1.68	1.35	1.18
538-38780-0107	38780-0107	78007	B	7	2.92	2.63	2.42	2.22
538-38780-0108	38780-0108	78008	B	8	2.93	2.64	2.37	2.13
538-38780-0110	38780-0110	78010	B	10	3.11	2.59	2.08	1.82
538-38780-0112	38780-0112	78012	B	12	3.89	3.80	3.63	3.26
538-38780-0114	38780-0114	78014	B	14	5.28	4.85	4.46	4.11
538-38780-0116	38780-0116	78016	B	16	4.81	4.02	3.69	3.40

.563" Double Row - Phenolic

Features:
- This series is for wire-to-wire terminations for 50 Amps @ 300 Volts and 150 C.
- Robust and durable #8-32 screw insures reliability and allows for 10 AWG wire without wire clamps.
- High temperature phenolic insulator out performs thermoplastic compounds.
- Closed bottom construction allows the product series to be PCB, bulkhead or panel mount.
- Insulator: General purpose phenolic
- Terminal: Brass, nickel plated
- Screw: #8-32, phil/slot, steel, zinc chromate plated
- Screw Terminal Style - Closed Bottom

RoHS Compliant

For quantities of 200 and up, call for quote.

538-38211-0102	38211-0102	21002-CB	C	2	1.67	1.51	1.36	1.22
538-38211-0103	38211-0103	21003-CB	C	3	2.26	2.06	1.91	1.79
538-38211-0104	38211-0104	21004-CB	C	4	3.08	2.77	2.49	2.24
538-38211-0105	38211-0105	21005-CB	C	5	3.47	3.16	2.87	2.61
538-38211-0106	38211-0106	21006-CB	C	6	3.21	2.92	2.79	2.52
538-38211-0107	38211-0107	21007-CB	C	7	3.96	3.56	3.37	3.17
538-38211-0108	38211-0108	21008-CB	C	8	5.07	4.56	4.11	3.69
538-38211-0110	38211-0110	21010-CB	C	10	6.28	5.65	5.09	4.58
538-38211-0112	38211-0112	21012-CB	C	12	9.18	7.34	6.61	6.24

WIRE-TO-WIRE TERMINAL BLOCKS (CONT.)

.688" Double Row - Phenolic

The series 28 phenolic terminal strip is our highest power double row rated 80 Amps @ 300 Volts and 150°C. The standard #10-32 screw is designed for years of rugged use. The product is compatible with 10 AWG bare or up to 6 AWG lugged wires.

- Screw: #10-32, phil/slot, brass, nickel plated
- Terminal: brass, nickel plated
- 50 Amps @ 300 Volts
- High temperature phenolic insulator

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	No. of Circuits	Price Each			
					1	25	50	100
538-38280-0102	38280-0102	28002	D	2	3.51	3.15	2.83	2.55
538-38280-0103	38280-0103	28003	D	3	4.97	4.47	4.02	3.63
538-38280-0104	38280-0104	28004	D	4	6.47	5.82	5.24	4.72
538-38280-0105	38280-0105	28005	D	5	7.97	7.18	6.46	5.81
538-38280-0106	38280-0106	28006	D	6	8.51	7.74	7.04	6.40
538-38280-0108	38280-0108	28008	D	8	12.42	11.18	10.06	9.05
538-38280-0110	38280-0110	28010	D	10	15.97	14.69	13.51	12.43
538-38280-0112	38280-0112	28012	D	12	19.29	18.32	17.36	16.39

WIRE-TO-PCB TERMINAL BLOCKS - .375" PCB

Features:
- Ultrasonically welded into the thermoplastic insulator, eliminating terminal twisting & associated solder joint failure.
- PC Terminal Style
- Screw: #6-32, phil/slot, steel, zinc chromate plated
- 15 to 20 Amps
- 150 to 300 Volts

RoHS Compliant

Single Row

* no mounting ends

For quantities of 200 and up, call for quote.

538-38720-6202	38720-6202	72502	E	2	1.37	1.23	1.11	.90
538-38720-6203	38720-6203	72503	E	3	1.40	1.17	.92	.81
538-38720-6204	38720-6204	72504	E	4	1.73	1.44	1.17	1.12
538-38720-6205	38720-6205	72505	E	5	1.86	1.67	1.58	1.49
538-38720-6206	38720-6206	72506	E	6	2.31	1.93	1.54	1.49
538-38720-6208	38720-6208	72508	E	8	2.98	2.49	1.98	1.74
538-38720-6210	38720-6210	72510	E	10	3.62	3.02	2.41	2.35
538-38720-6212	38720-6212	72512	E	12	4.21	3.52	2.80	2.45
*538-38720-6304	38720-6304	72504-C	E	4	1.25	1.12	1.01	.92
*538-38720-6305	38720-6305	72505-C	E	5	1.47	1.23	.98	.89
*538-38720-6306	38720-6306	72506-C	E	6	1.94	1.74	1.57	1.41

Single Row, Insulated Solder Turret

For quantities of 200 and up, call for quote.

538-38720-3202	38720-3202	72202	E	2	1.10	.98	.93	.87
538-38720-3203	38720-3203	72203	E	3	1.60	1.34	1.16	1.03
538-38720-3204	38720-3204	72204	E	4	2.14	1.92	1.77	1.59
538-38720-3205	38720-3205	72205	E	5	2.31	1.93	1.54	1.35
538-38720-3206	38720-3206	72206	E	6	2.66	2.39	2.15	1.93
538-38720-3207	38720-3207	72207	E	7	3.36	2.98	2.69	2.45
538-38720-3208	38720-3208	72208	E	8	3.39	2.83	2.47	2.24
538-38720-3210	38720-3210	72210	E	10	4.15	3.73	3.36	3.02
538-38720-3212	38720-3212	72212	E	12	4.83	4.03	3.21	2.81

Single Row, Insulated Quick Connect

For quantities of 200 and up, call for quote.

RoHS Compliant

538-38721-6702	38721-6702	72902	E	2	1.46	1.34	1.23	1.05
538-38721-6703	38721-6703	72903	E	3	1.74	1.58	1.45	1.31
538-38721-6704	38721-6704	72904	E	4	2.42	2.23	2.05	1.89
538-38721-6706	38721-6706	72906	E	6	2.51	2.29	2.13	1.94

ACCESSORIES

For Series 76000 and 77000 - (.375")

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Former Beau Part No.	Fig.	Description	Price Each			
					1	25	50	100
538-38002-0204	38002-0204	141	F	One-sided solder terminal	.17	.12	.11	.10
538-38002-0157	38002-0157	142	G	Two-sided solder terminal	.20	.13	.12	.11
538-38002-0159	38002-0159	143	H	Short solder bottom terminal	.12	.10	.09	.08
538-38002-1459	38002-1459	7631	I	Hole mount jumper (76000)	.14	.13	.12	.11
538-38002-1461	38002-1461	7632	J	Slotted jumper (76000)	.16	.12	.11	.10
538-38002-0185	38002-0185	1431	I	Hole mount jumper (77000)	.15	.14	.13	.12
538-38002-0188	38002-0188	1432	J	Slotted jumper (77000)	.14	.11	.10	.09

For Series 78000 - (.438")

For quantities of 200 and up, call for quote.

538-38002-0304	38002-0304	181	F	One-sided solder terminal	.14	.13	.12	.11
538-38002-0255	38002-0255	182	G	Two-sided solder terminal	.22	.20	.18	.16
538-38002-0257	38002-0257	183	H	Short solder bottom terminal	.15	.12	.11	.10
538-38002-0331	38002-0331	1831	I	Hole mount jumper	.14	.12	.11	.10
538-38002-0333	38002-0333	1832	J	Slotted jumper	.14	.13	.12	.11

For Series 21000 - (.563")

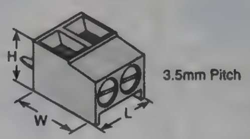
For quantities of 200 and up, call for quote.

538-38002-0321	38002-0321	211	F	One-sided solder terminal	.21	.19	.18	.17
538-38002-0323	38002-0323	212	G	Two-sided solder terminal	.19	.18	.17	.16
538-38002-0325	38002-0325	213	H	Short solder bottom terminal	.25	.23	.21	.19
538-38002-0358	38002-0358	2131	I	Hole mount jumper	.19	.18	.17	.16
538-38002-0442	38002-0442	2132	J	Slotted jumper	.19	.18	.17	.16

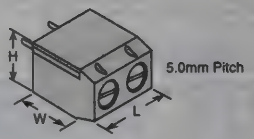
MOLEX Eurostyle Terminal Blocks

DIMENSIONS: mm

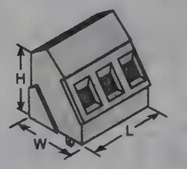
A



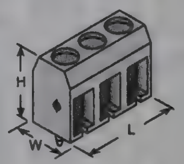
B



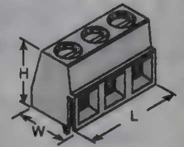
C



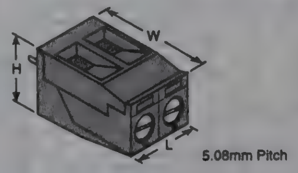
D



E



F



EUROSTYLE 3.5MM FIXED PCB TERMINAL BLOCKS

Features:
- Insulator: Polyamide, UL94V-0, black
- Terminal: Brass, tin plated
- Clamp: Brass, nickel plated
- Screws: M2 bronze, nickel plated
- Operating Temp: -30° to +85°C
- Wire Range: 16 to 28 AWG
- Voltage: 300 V
- Rating: UL and CSA-Class B: 12A @ 300V
- Screw rising cage clamp
- Current: 17.5A Max.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
538-39357-0002	39357-0002	A	2	8.51	7.29	3.50	.69	.63	.58	.50
538-39357-0003	39357-0003	A	3	8.51	7.29	7.00	.80	.71	.58	.50
538-39357-0004	39357-0004	A	4	8.51	7.29	10.50	1.53	1.45	1.28	1.05
538-39357-0005	39357-0005	A	5	8.51	7.29	14.00	1.90	1.80	1.50	1.35
538-39357-0006	39357-0006	A	6	8.51	7.29	17.50	2.30	2.18	1.98	1.60
538-39357-0007	39357-0007	A	7	8.51	7.29	21.00	3.25	2.89	2.48	2.10
538-39357-0008	39357-0008	A	8	8.51	7.29	24.50	3.05	2.90	2.50	2.18
538-39357-0009	39357-0009	A	9	8.51	7.29	28.00	2.85	2.60	2.35	2.28
538-39357-0010	39357-0010	A	10	8.51	7.29	31.50	3.85	3.60	3.15	2.70

EUROSTYLE 5.0MM ECONOMY SCREW TERMINAL BLOCKS

Features:
- Insulator: Polyamide, UL94V-0, gray
- Terminal: Brass, tin plated
- Wire Protector: Phosphor bronze, tin plated
- Screws: Steel, zinc chromate plated
- Operating Temp: -55° to +85°C
- Rating: UL Class B: 15Amps@250V
  Class C: 10Amps@ 300V CSA: 15Amps@ 300V

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
Horizontal										
538-39890-0302	39890-0302	B	2	10.00	8.20	5.00	.50	.40	.35	.30
538-39890-0303	39890-0303	B	3	10.00	8.20	10.00	.78	.61	.56	.52
35° Entry										
538-39890-0402	39890-0402	C	2	15.00	12.50	5.00	.59	.48	.39	.35
538-39890-0403	39890-0403	C	3	15.00	12.50	10.00	1.12	1.10	1.05	.90

EUROSTYLE 5.0MM ESE FIXED TERMINAL BLOCKS

Features:
- Screw Material: Steel
- Terminal: Brass
- Operating Temp: -40° to +105°C
- Wire Range: 14-24AWG

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
538-39543-0002	39543-0002	D	2	14.50	9.50	10.00	.53	.50	.44	.40
538-39543-0003	39543-0003	D	3	14.50	9.50	15.00	.82	.79	.68	.62
538-39543-0004	39543-0004	D	4	14.50	9.50	20.00	1.18	1.14	1.06	.97
538-39543-0005	39543-0005	D	5	14.50	9.50	25.00	1.30	1.26	1.18	1.05
538-39543-0006	39543-0006	D	6	14.50	9.50	30.00	1.55	1.45	1.32	1.20
538-39543-0007	39543-0007	D	7	14.50	9.50	35.00	1.67	1.60	1.55	1.45
538-39543-0008	39543-0008	D	8	14.50	9.50	40.00	1.61	1.55	1.45	1.32
538-39543-0009	39543-0009	D	9	14.50	9.50	45.00	1.86	1.79	1.68	1.53
538-39543-0010	39543-0010	D	10	14.50	9.50	50.00	2.04	1.97	1.84	1.68

EUROSTYLE 5.08MM LOW PROFILE PCB TERMINAL BLOCKS

Features:
- Insulator: Polyamide, UL94V-0, black
- Terminal: Copper Alloy, tin plated
- Screws: 3mm Copper Alloy
- Operating Temp: 110°C
- Voltage: 250V
- Maximum Current: 13.5A

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
Horizontal										
538-39880-0302	39880-0302	E	2	10.00	8.20	5.08	.53	.50	.46	.43
538-39880-0303	39880-0303	E	3	10.00	8.20	10.16	.70	.66	.50	.40
35° Entry										
538-39880-0402	39880-0402	C	2	15.00	12.50	5.08	.58	.53	.48	.45
538-39880-0403	39880-0403	C	3	15.00	12.50	10.16	1.12	1.06	.98	.90

EUROSTYLE 5.08MM ESE SINGLE-PIECE (FIXED) BLOCKS

Features:
- Insulator: Polyamide, UL94V-0, black
- Pressure Clamp: Brass, nickel plated
- Contacts: Phosphor bronze, hot tin dip
- Screws: Steel, zinc chromate plated
- Wire Range: 12 to 26 AWG
- Single piece (fixed)
- Rating: UL Class B: 20Amps@300V
  UL Class C: 10Amps@ 300V
  CSA: 15Amps@ 300V

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
538-39544-3002	39544-3002	F	2	14.40	10.00	10.16	.82	.73	.65	.63
538-39544-3003	39544-3003	F	3	14.40	10.00	15.24	1.36	1.31	1.23	1.12
538-39544-3004	39544-3004	F	4	14.40	10.00	20.32	1.82	1.65	1.50	1.40
538-39544-3005	39544-3005	F	5	14.40	10.00	25.40	2.29	2.10	1.90	1.75
538-39544-3006	39544-3006	F	6	14.40	10.00	30.48	2.71	2.62	2.45	2.24
538-39544-3007	39544-3007	F	7	14.40	10.00	35.58	2.78	2.69	2.50	2.28
538-39544-3008	39544-3008	F	8	14.40	10.00	40.64	3.70	3.35	3.04	2.80
538-39544-3009	39544-3009	F	9	14.40	10.00	45.72	2.75	2.60	2.48	2.25
538-39544-3010	39544-3010	F	10	14.40	10.00	50.80	2.55	2.50	2.36	2.00

MOLEX Eurostyle Terminal Blocks

molex
one company > a world of innovation

RoHS Compliant This page of product is compliant.

5.0MM EUROSTYLE ESE PLUGGABLE TERMINAL BLOCKS

Features:

- Insulator: Polyamide UL94V-0, Black
- Contact plating: Tin
- Current: 15Amps 300Volts
- Wire Range: 12-26AWG
- Operating Temperature: -40°C to +140°F
- Termination: Screw rising cage clamp

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
Pluggable Terminal Block - Horizontal										
538-39520-0002	39520-0002	A	2	9.90	15.00	10.00	1.34	1.26	1.19	1.08
538-39520-0003	39520-0003	A	3	9.90	15.00	15.00	2.16	2.03	1.92	1.73
538-39520-0004	39520-0004	A	4	9.90	15.00	20.00	2.91	2.74	2.58	2.33
538-39520-0005	39520-0005	A	5	9.90	15.00	25.00	3.59	3.38	3.19	2.88
538-39520-0006	39520-0006	A	6	9.90	15.00	30.00	4.31	4.06	3.83	3.45
538-39520-0007	39520-0007	A	7	9.90	15.00	35.00	5.03	4.74	4.47	4.03
538-39520-0008	39520-0008	A	8	9.90	15.00	40.00	5.72	5.38	5.08	4.58
538-39520-0009	39520-0009	A	9	9.90	15.00	45.00	6.53	6.15	5.81	5.23
538-39520-0010	39520-0010	A	10	9.90	15.00	50.00	7.00	6.76	6.32	5.76
538-39520-0012	39520-0012	A	12	9.90	15.00	60.00	8.75	8.24	7.78	7.00
PCB Headers - Vertical - Closed Ends										
538-39521-1002	39521-1002	B	2	12.00	8.30	12.00	.53	.50	.47	.43
538-39521-1003	39521-1003	B	3	12.00	8.30	17.00	.81	.76	.72	.65
538-39521-1004	39521-1004	B	4	12.00	8.30	22.00	1.09	1.03	.97	.88
538-39521-1005	39521-1005	B	5	12.00	8.30	27.00	1.41	1.32	1.25	1.13
538-39521-1006	39521-1006	B	6	12.00	8.30	32.00	1.66	1.56	1.47	1.33
538-39521-1007	39521-1007	B	7	12.00	8.30	37.00	1.91	1.79	1.69	1.53
538-39521-1008	39521-1008	B	8	12.00	8.30	42.00	2.16	2.03	1.92	1.73
538-39521-1009	39521-1009	B	9	12.00	8.30	47.00	2.53	2.38	2.25	2.03
538-39521-1010	39521-1010	B	10	12.00	8.30	52.00	2.78	2.62	2.47	2.23
538-39521-1012	39521-1012	B	12	12.00	8.30	62.00	2.78	2.62	2.47	2.23
PCB Headers - Horizontal - Closed Ends										
538-39522-1002	39522-1002	C	2	8.30	12.00	12.00	.53	.50	.47	.43
538-39522-1003	39522-1003	C	3	8.30	12.00	17.00	.81	.76	.72	.65
538-39522-1004	39522-1004	C	4	8.30	12.00	22.00	1.09	1.03	.97	.88
538-39522-1005	39522-1005	C	5	8.30	12.00	27.00	1.41	1.32	1.25	1.13
538-39522-1006	39522-1006	C	6	8.30	12.00	32.00	1.66	1.56	1.47	1.33
538-39522-1007	39522-1007	C	7	8.30	12.00	37.00	1.91	1.79	1.69	1.53
538-39522-1008	39522-1008	C	8	8.30	12.00	42.00	2.16	2.03	1.92	1.73
538-39522-1009	39522-1009	C	9	8.30	12.00	47.00	2.53	2.38	2.25	2.03
538-39522-1010	39522-1010	C	10	8.30	12.00	52.00	2.68	2.59	2.42	2.21
538-39522-1012	39522-1012	C	12	8.30	12.00	62.00	3.34	3.15	2.97	2.68

5.08MM EUROSTYLE ESE PLUGGABLE TERMINAL BLOCKS

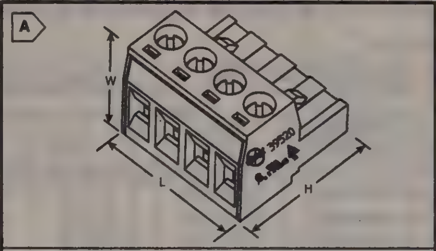
Features:

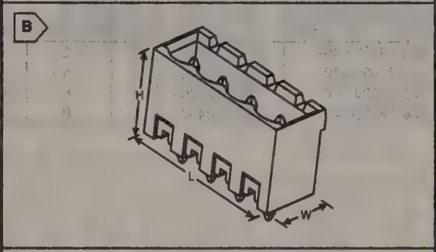
- Insulator: Polyamide UL94V-0, Black
- Contact plating: Tin
- Current: 15Amps 300Volts
- Wire Range: 12-26AWG
- Operating Temperature: -40°C to +140°F
- Termination: Screw rising cage clamp
- Polarization
- Pitch: 5.08mm
- RoHS compliant per Molex documentation

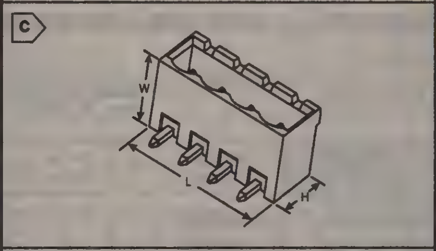
RoHS Compliant

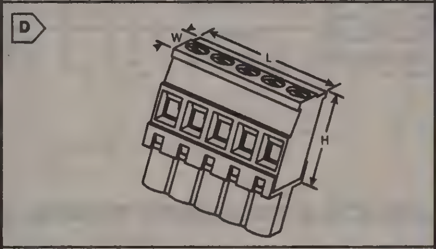
For quantities of 200 and up, call for quote.

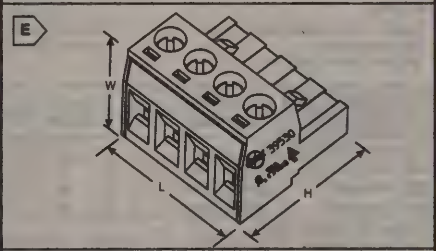
MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
Pluggable Terminal Blocks - Vertical										
538-39533-2002	39533-2002	D	2	17.60	12.70	10.16	.88	.82	.78	.70
538-39533-2003	39533-2003	D	3	17.60	12.70	15.24	1.31	1.24	1.17	1.05
538-39533-2004	39533-2004	D	4	17.60	12.70	20.32	1.72	1.62	1.53	1.38
538-39533-2005	39533-2005	D	5	17.60	12.70	25.40	4.59	4.32	4.08	3.68
538-39533-2006	39533-2006	D	6	17.60	12.70	30.48	2.63	2.47	2.33	2.10
538-39533-2008	39533-2008	D	8	17.60	12.70	40.64	7.38	6.94	6.56	5.90
538-39533-2010	39533-2010	D	10	17.60	12.70	50.80	4.88	4.59	4.33	3.90
Pluggable Terminal Blocks - Horizontal										
538-39530-0002	39530-0002	E	2	9.90	15.00	10.16	1.34	1.26	1.19	1.08
538-39530-0003	39530-0003	E	3	9.90	15.00	15.24	2.16	2.03	1.92	1.73
538-39530-0004	39530-0004	E	4	9.90	15.00	20.32	2.91	2.74	2.58	2.33
538-39530-0005	39530-0005	E	5	9.90	15.00	25.40	3.59	3.38	3.19	2.88
538-39530-0006	39530-0006	E	6	9.90	15.00	30.48	4.31	4.06	3.83	3.45
538-39530-0008	39530-0008	E	8	9.90	15.00	40.64	5.72	5.38	5.08	4.58
538-39530-0010	39530-0010	E	10	9.90	15.00	50.80	7.25	6.82	6.44	5.80
538-39530-0012	39530-0012	E	12	9.90	15.00	60.96	8.75	8.24	7.78	7.00
PCB Header - Vertical - Closed Ends										
538-39531-1002	39531-1002	F	2	12.00	8.30	12.16	.53	.50	.47	.43
538-39531-1003	39531-1003	F	3	12.00	8.30	17.24	.81	.76	.72	.65
538-39531-1004	39531-1004	F	4	12.00	8.30	22.32	1.09	1.03	.97	.88
538-39531-1005	39531-1005	F	5	12.00	8.30	27.40	1.41	1.32	1.25	1.13
538-39531-1006	39531-1006	F	6	12.00	8.30	32.43	1.66	1.56	1.47	1.33
538-39531-1008	39531-1008	F	8	12.00	8.30	42.64	2.16	2.03	1.92	1.73
538-39531-1010	39531-1010	F	10	12.00	8.30	52.80	2.78	2.62	2.47	2.23
538-39531-1012	39531-1012	F	12	12.00	8.30	62.96	3.34	3.15	2.97	2.68
PCB Header - Horizontal - Closed Ends										
538-39532-1002	39532-1002	G	2	8.30	12.00	12.16	.53	.50	.47	.43
538-39532-1003	39532-1003	G	3	8.30	12.00	17.24	.81	.76	.72	.65
538-39532-1004	39532-1004	G	4	8.30	12.00	22.32	1.09	1.03	.97	.88
538-39532-1005	39532-1005	G	5	8.30	12.00	27.40	1.41	1.32	1.25	1.13
538-39532-1006	39532-1006	G	6	8.30	12.00	32.48	1.66	1.56	1.47	1.33
538-39532-1008	39532-1008	G	8	8.30	12.00	42.64	2.16	2.03	1.92	1.73
538-39532-1010	39532-1010	G	10	8.30	12.00	52.80	2.78	2.62	2.47	2.23
538-39532-1012	39532-1012	G	12	8.30	12.00	62.96	3.34	3.15	2.97	2.68

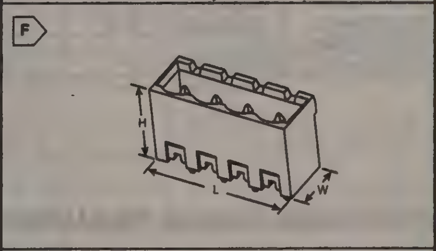


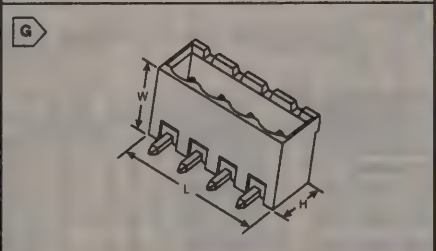












MOLEX Eurostyle Terminal Blocks

EUROSTYLE 5.08MM PLUGGABLE TERMINAL BLOCKS

Features:

- Pressure clamp: Brass, nickel plated
- Contacts: Phosphor bronze, tin plated
- Header pins: Brass, tin plated
- Screws: M3, zinc chromate plated
- Wire Range: 12 to 24 AWG
- Operating Temperature: 110°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
Plugs, UL: 300V@ 10A, Housing: Polyamide 6/6.6 UL94V-0, Black										
538-39980-0302	39980-0302	A	2	15.70	11.90	10.92	**2.00**	**1.65**	**1.32**	**1.15**
538-39980-0304	39980-0304	A	4	15.70	11.90	21.08	**2.85**	**2.50**	**2.10**	**1.70**
538-39980-0306	39980-0306	A	6	15.70	11.90	31.24	**3.55**	**3.25**	**2.60**	**2.30**
538-39980-0308	39980-0308	A	8	15.70	11.90	41.40	**4.12**	**3.79**	**3.49**	**3.21**
Headers, UL: 300V@ 10A, Housing: Nylon 4/6, UL94V-0, Black										
538-39980-0402	39980-0402	B	2	17.80	15.70	10.77	**.44**	**.36**	**.29**	**.26**
538-39980-0404	39980-0404	B	4	17.80	15.70	20.93	**.90**	**.75**	**.60**	**.51**
538-39980-0406	39980-0406	B	6	17.80	15.70	31.09	**1.35**	**1.10**	**.89**	**.78**
538-39980-0408	39980-0408	B	8	17.80	15.70	41.25	**1.80**	**1.50**	**1.20**	**1.05**

EUROSTYLE 6.35MM AND 9.52MM HIGH-VOLTAGE PCB TERMINAL BLOCKS

Features:

- Housing: Polyamide 6.6 UL94V-0, black
- Rising cage clamp
- Wire size 10-30 AWG
- Contact: Copper alloy
- Operating temp: 110°C
- Screws: M3.5 Slotted, copper alloy
- Current: 30A

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
300V, 6.35mm										
538-39380-0102	39380-0102	C	2	21.49	12.50	12.70	**.94**	**.78**	**.63**	**.55**
538-39380-0103	39380-0103	C	3	21.49	12.50	19.05	**1.70**	**1.61**	**1.46**	**1.35**
600V, 9.52mm										
538-39390-0102	39390-0102	C	2	21.49	12.50	19.05	**1.16**	**1.09**	**1.02**	**.93**
538-39390-0103	39390-0103	C	3	21.49	12.50	28.58	**1.71**	**1.41**	**1.13**	**1.00**

EUROSTYLE TWO-SCREW TERMINAL STRIPS

Features:

- Insulator: Nylon, polyamide 6/6, UL94V-2
- With wire protectors
- Terminals: Nickel plated brass
- Operating temp: 110°C
- Screws: Steel, zinc plated

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
8.0mm, UL: 600V@ 20A										
538-39100-0803	39100-0803	D	3	17.30	18.20	21.46	**.73**	**.66**	**.61**	**.56**
538-39100-0806	39100-0806	D	6	17.30	18.20	45.47	**1.42**	**1.31**	**1.17**	**1.06**
538-39100-0812	39100-0812	D	12	17.30	18.20	93.47	**2.57**	**2.36**	**2.17**	**2.00**
10mm, UL: 600V@ 30A										
538-39100-1006	39100-1006	D	6	19.20	18.80	57.00	**1.71**	**1.56**	**1.44**	**1.32**
538-39100-1012	39100-1012	D	12	19.20	18.80	117.00	**3.26**	**2.69**	**2.16**	**1.91**
12mm, UL: 600V@ 40A										
538-39100-1212	39100-1212	D	12	21.10	23.20	140.00	**3.02**	**2.52**	**2.40**	**2.30**

12.75MM HIGH-VOLTAGE TRI-BARRIER TERMINAL STRIPS

Features:

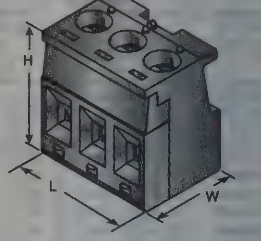
- Insulation: Thermoplastic, UL94V-0, black
- Contact: Brass with tin plating
- Voltage: 600V
- Screws: M4, Steel, zinc chromate with clamp washer
- Wire size 8-18 AWG

RoHS Compliant

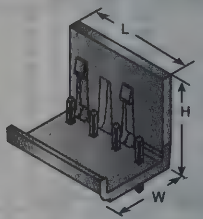
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	No. of Circuits	Dimensions: mm			Price Each			
				H	W	L	1	25	50	100
538-38660-7802	38660-7802	E	2	22.60	21.60	27.90	**3.90**	**3.28**	**2.60**	**2.26**
538-38660-7803	38660-7803	E	3	22.60	21.60	40.60	**5.30**	**5.18**	**5.00**	**4.80**
538-38660-7804	38660-7804	E	4	22.60	21.60	53.30	**7.00**	**5.80**	**4.63**	**4.05**
538-38660-7805	38660-7805	E	5	22.60	21.60	66.00	**8.45**	**7.10**	**5.60**	**4.90**
538-38660-7806	38660-7806	E	6	22.60	21.60	78.70	**12.95**	**9.50**	**9.10**	**8.85**
538-38660-7807	38660-7807	E	7	22.60	21.60	81.40	**9.16**	**8.24**	**7.79**	**7.33**

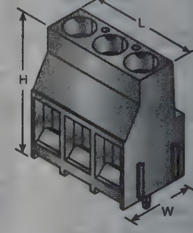
A



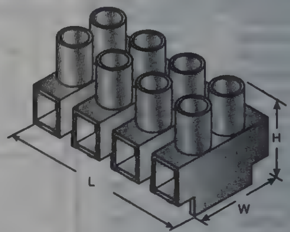
B



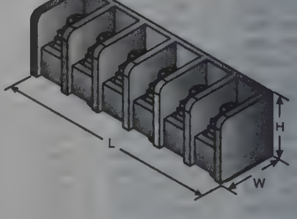
C



D

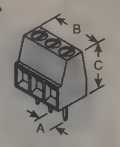


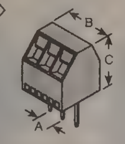
E

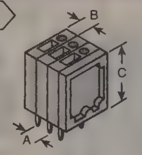


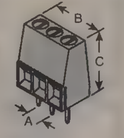
PHOENIX CONTACT Terminal Blocks

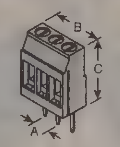
RoHS Compliant This page of product is compliant.

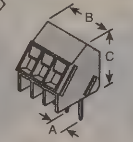
A


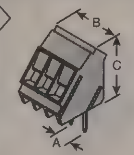
B


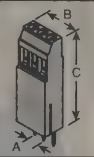
C


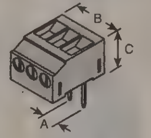
D


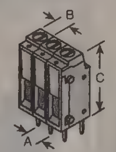
E


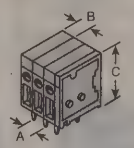
F


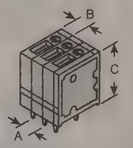
G


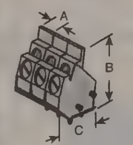
H


I


J


K


L


M


ONE PIECE DESIGN W/ SCREW CLAMP TERMINATION

- RoHS Compliant per Phoenix documentation

RoHS Compliant

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
2.54mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 125V @ 6A, 30-20 AWG, Green Color										
651—1725656		A	MPT 0.5/2-2.54	2	2.54	5.54	8.5	1.03	.95	.81
651—1725669		A	MPT 0.5/3-2.54	3	2.54	8.08	8.5	1.57	1.45	1.23
651—1725672		A	MPT 0.5/4-2.54	4	2.54	10.62	8.5	2.09	1.93	1.64
651—1725685		A	MPT 0.5/5-2.54	5	2.54	13.16	8.5	2.61	2.41	2.05
651—1725698		A	MPT 0.5/6-2.54	6	2.54	15.7	8.5	3.12	2.88	2.46
651—1725708		A	MPT 0.5/7-2.54	7	2.54	18.24	8.5	3.63	3.35	2.86
651—1725711		A	MPT 0.5/8-2.54	8	2.54	20.78	8.5	4.19	3.87	3.30
651—1725724		A	MPT 0.5/9-2.54	9	2.54	23.32	8.5	4.69	4.33	3.69
651—1725737		A	MPT 0.5/10-2.54	10	2.54	25.86	8.5	5.22	4.82	4.11
651—1725740		A	MPT 0.5/11-2.54	11	2.54	28.4	8.5	5.75	5.30	4.52
651—1725753		A	MPT 0.5/12-2.54	12	2.54	30.94	8.5	6.28	5.80	4.94
3.5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-16 AWG, Green Color										
651—1751248		A	MKDS 1/2-3.5	2	3.5	7.5	8.5	.84	.78	.66
651—1751251		A	MKDS 1/3-3.5	3	3.5	11	8.5	1.25	1.15	.98
651—1751264		A	MKDS 1/4-3.5	4	3.5	14.5	8.5	1.66	1.53	1.30
651—1751277		A	MKDS 1/5-3.5	5	3.5	18	8.5	2.08	1.92	1.64
651—1751280		A	MKDS 1/6-3.5	6	3.5	21.5	8.5	2.53	2.34	1.99
651—1751293		A	MKDS 1/7-3.5	7	3.5	25	8.5	2.92	2.69	2.30
651—1751303		A	MKDS 1/8-3.5	8	3.5	28.5	8.5	3.33	3.07	2.62
651—1751316		A	MKDS 1/9-3.5	9	3.5	32	8.5	3.76	3.47	2.96
651—1751329		A	MKDS 1/10-3.5	10	3.5	35.5	8.5	4.16	3.84	3.27
651—1751332		A	MKDS 1/11-3.5	11	3.5	39	8.5	4.58	4.22	3.60
651—1751345		A	MKDS 1/12-3.5	12	3.5	42.5	8.5	5.00	4.61	3.93
3.5mm PCB Terminal Blocks - 55° Wire-to-Pin Orientation UL: 300V @ 10A, 30-16 AWG, Green Color										
651—1751099		B	SMKDS 1/2-3.5	2	3.5	7.5	9.5	.93	.86	.73
651—1751109		B	SMKDS 1/3-3.5	3	3.5	11	9.5	1.37	1.27	1.08
651—1751112		B	SMKDS 1/4-3.5	4	3.5	14.5	9.5	1.83	1.69	1.44
651—1751154		B	SMKDS 1/8-3.5	8	3.5	28.5	9.5	3.64	3.36	2.87
3.81mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-16 AWG, Green Color										
651—1727010		A	MKDS 1/2-3.81	2	3.81	7.61	8.5	.82	.75	.64
651—1727023		A	MKDS 1/3-3.81	3	3.81	11.42	8.5	1.25	1.15	.98
651—1727036		A	MKDS 1/4-3.81	4	3.81	15.23	8.5	1.66	1.53	1.30
651—1727049		A	MKDS 1/5-3.81	5	3.81	19.04	8.5	2.08	1.92	1.64
651—1727052		A	MKDS 1/6-3.81	6	3.81	22.85	8.5	2.53	2.34	1.99
651—1727065		A	MKDS 1/7-3.81	7	3.81	26.66	8.5	2.92	2.69	2.30
651—1727078		A	MKDS 1/8-3.81	8	3.81	30.47	8.5	3.33	3.07	2.62
651—1727081		A	MKDS 1/9-3.81	9	3.81	34.28	8.5	3.76	3.47	2.96
651—1727094		A	MKDS 1/10-3.81	10	3.81	38.09	8.5	4.16	3.84	3.27
651—1727104		A	MKDS 1/11-3.81	11	3.81	41.9	8.5	4.58	4.22	3.60
651—1727117		A	MKDS 1/12-3.81	12	3.81	45.71	8.5	5.00	4.61	3.93
3.81mm PCB Terminal Blocks - 55° Wire-to-Pin Orientation UL: 300V @ 10A, 30-16 AWG, Green Color										
651—1728284		B	SMKDS 1/2-3.81	2	3.81	7.61	9.5	.93	.86	.73
651—1728297		B	SMKDS 1/3-3.81	3	3.81	11.42	9.5	1.39	1.28	1.09
651—1728307		B	SMKDS 1/4-3.81	4	3.81	15.23	9.5	1.83	1.69	1.44
651—1728323		B	SMKDS 1/6-3.81	6	3.81	22.85	9.5	2.73	2.52	2.14
651—1728349		B	SMKDS 1/8-3.81	8	3.81	30.47	9.5	3.67	3.39	2.89
651—1728352		B	SMKDS 1/9-3.81	9	3.81	34.28	9.5	4.13	3.82	3.25
651—1728365		B	SMKDS 1/10-3.81	10	3.81	38.09	9.5	4.56	4.21	3.59
651—1728378		B	SMKDS 1/11-3.81	11	3.81	41.9	9.5	5.04	4.65	3.97
651—1728381		B	SMKDS 1/12-3.81	12	3.81	45.71	9.5	5.50	5.07	4.32
3.81mm PCB Single Terminal Blocks - Vertical Wire to Pin Orientation, Front Connection UL: 300V @ 10A, 28-14 AWG, Green Color										
651—1707742		C	FRONT 1.5-V-3.81	1	3.81	3.81	15.3	1.58	1.46	1.24
651—1707755		-	D-FRONT 1.5-V	Required End Cover				.32	.29	.25
5mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color										
651—1729018		D	MKDSN 1.5/2	2	5	10	10	.70	.65	.55
651—1729021		D	MKDSN 1.5/3	3	5	15	10	1.08	1.00	.85
651—1729034		D	MKDSN 1.5/4	4	5	20	10	1.41	1.30	1.11
651—1729047		D	MKDSN 1.5/5	5	5	25	10	1.76	1.62	1.38
651—1729050		D	MKDSN 1.5/6	6	5	30	10	2.12	1.96	1.67
651—1729063		D	MKDSN 1.5/7	7	5	35	10	2.51	2.32	1.97
651—1729076		D	MKDSN 1.5/8	8	5	40	10	2.85	2.63	2.24
651—1729089		D	MKDSN 1.5/9	9	5	45	10	3.20	2.96	2.52

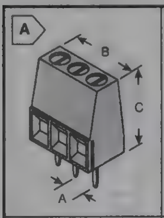
RoHS Compliant

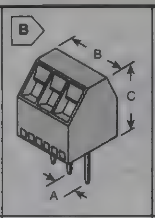
Single Level, Through-Hole Solder Mounting (cont.)

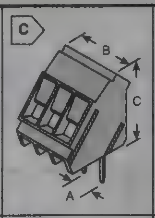
For quantities of 100 and up, call for quote.

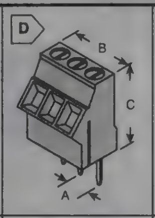
MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
5mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation (cont.) UL: 300V @ 10A, 30-14 AWG, Green Color										
651—1729092		D	MKDSN 1.5/10	10	5	50	10	3.55	3.28	2.80
651—1729102		D	MKDSN 1.5/11	11	5	55	10	3.89	3.60	3.06
651—1729115		D	MKDSN 1.5/12	12	5	60	10	4.27	3.94	3.36
5mm PCB Reduced Height Terminal Blocks - 55° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color										
651—1869062		B	SMKDSN 1.5/2	2	5	11	11	.82	.75	.64
651—1869075		B	SMKDSN 1.5/3	3	5	16	11	1.23	1.13	.96
651—1869088		B	SMKDSN 1.5/4	4	5	21	11	1.65	1.52	1.30
651—1869091		B	SMKDSN 1.5/5	5	5	26	11	2.04	1.89	1.61
651—1869101		B	SMKDSN 1.5/6	6	5	31	11	2.48	2.28	1.95
651—1869114		B	SMKDSN 1.5/7	7	5	36	11	2.90	2.67	2.28
651—1869127		B	SMKDSN 1.5/8	8	5	41	11	3.29	3.04	2.59
651—1869143		B	SMKDSN 1.5/10	10	5	46	11	4.13	3.82	3.25
5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color										
651—1715022		D	MKDS 1.5/2	2	5	10	13.8	.84	.78	.66
651—1715035		D	MKDS 1.5/3	3	5	15	13.8	1.25	1.15	.98
651—1715048		D	MKDS 1.5/4	4	5	20	13.8	1.69	1.56	1.33
651—1715080		D	MKDS 1.5/8	8	5	40	13.8	3.35	3.09	2.64
651—1715129		D	MKDS 1.5/12	12	5	60	13.8	5.06	4.67	3.98
5mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-12 AWG, Green Color										
651—1890963		D	MKDSN 2.5/2	2	5	10	15	.74	.68	.58
651—1890976		D	MKDSN 2.5/3	3	5	15	15	1.12	1.04	.88
651—1890989		D	MKDSN 2.5/4	4	5	20	15	1.46	1.35	1.15
5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-12 AWG, Green Color										
651—17110[illegible]6		E	MKDS 3/2	2	5	10	18	1.33	1.23	1.05
651—1711039		E	MKDS 3/3	3	5	15	18	2.01	1.86	1.58
651—1711042		E	MKDS 3/4	4	5	20	18	2.66	2.45	2.09
651—1711084		E	MKDS 3/8	8	5	40	18	5.33	4.92	4.19
651—1711123		E	MKDS 3/12	12	5	60	18	7.95	7.34	6.25
5mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation with Test Connection UL: 300V @ 10A, 30-14 AWG, Green Color										
651—1733415		F	SMKDSP 1.5/2	2	5	10	15.3	.87	.81	.69
651—1733428		F	SMKDSP 1.5/3	3	5	15	15.3	1.29	1.19	1.02
651—1733431		F	SMKDSP 1.5/4	4	5	20	15.3	1.75	1.61	1.38
651—1733444		F	SMKDSP 1.5/5	5	5	25	15.3	2.20	2.03	1.73
651—1733457		F	SMKDSP 1.5/6	6	5	30	15.3	2.63	2.43	2.07
651—1733473		F	SMKDSP 1.5/8	8	5	40	15.3	3.52	3.25	2.77
5mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color										
651—1713024		G	SMKDS 3/2	2	5	10	18	1.52	1.40	1.20
651—1713037		G	SMKDS 3/3	3	5	15	18	2.28	2.11	1.80
5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation, Tall Design UL: 300V @ 15A, 30-12 AWG, Green Color										
651—1721045		H	MKKDSH 3/2	2	5	10	31.5	2.32	2.14	1.82
651—1721346		H	MKKDSH 3/3	3	5	15	31.5	3.49	3.22	2.74
5mm PCB Terminal Blocks - Vertical Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color										
651—1717091		I	MKDSFW 1.5/2	2	5	10	11.2	2.01	1.86	1.58
651—1717088		I	MKDSFW 1.5/3	3	5	15	11.2	3.05	2.82	2.40
5mm PCB Single Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 15A, 30-12 AWG, Green Color										
651—1705016		J	KDS 2.5	1	5	5	18	1.56	1.44	1.22
5mm PCB Single Terminal Blocks - 90° Wire to Pin Orientation, Front Connection UL: 300V @ 10A, 30-12 AWG, Green Color										
651—1700008		K	FRONT 2.5-H/SA 5	1	5	5	18.5	1.49	1.37	1.17
651—1700040		K	FRONT 2.5-H/SA 10	1	5	5	18.5	1.50	1.38	1.18
651—1700024		-	D-FRONT 2.5-H	Required End Cover				.32	.29	.25
5mm PCB Single Terminal Blocks - Vertical Wire to Pin Orientation, Front Connection UL: 300V @ 10A, 30-12 AWG, Green Color										
651—1700037		L	FRONT 2.5-V/SA 5	1	5	5	19.5	1.49	1.37	1.17
651—1700053		L	FRONT 2.5-V/SA 10	1	5	5	19.5	1.49	1.37	1.17
651—1700011		-	D-FRONT 2.5-V	Required End Cover				.32	.29	.25
5mm PCB Single Terminal Blocks - Panel Feed-Through UL: 300V @ 10A, 30-14 AWG, Green Color										
651—1740000		M	DMKDS 2.5	1	5	20	28	1.86	1.72	1.47

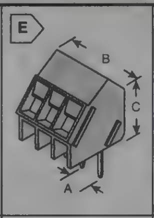
PHOENIX CONTACT Terminal Blocks

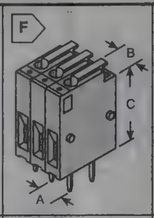


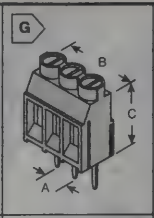


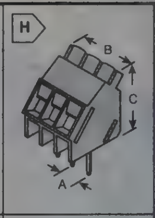


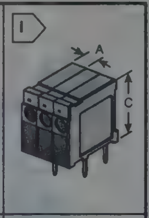


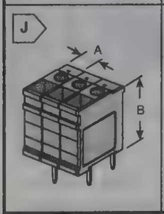


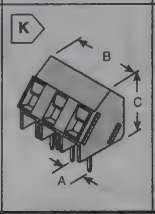


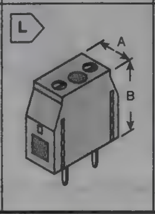


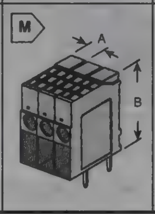


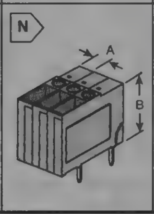


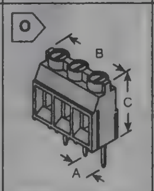




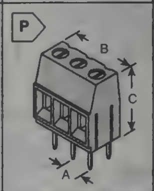




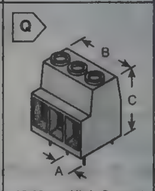




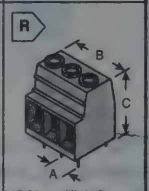
9.52mm High Current



10.16mm High Current



10.16mm High Current



15.00mm High Current

ONE PIECE DESIGN W/ SCREW CLAMP TERMINATION

- RoHS compliant per Phoenix documentation

RoHS Compliant

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) A	B	C	Price Each 1	10	50
5.08mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1729128	A	MKDSN 1.5/2-5.08	2	5.08	10.16	10	.70	.65	.55
651—1729131	A	MKDSN 1.5/3-5.08	3	5.08	15.24	10	1.08	1.00	.85
651—1729144	A	MKDSN 1.5/4-5.08	4	5.08	20.32	10	1.41	1.30	1.11
651—1729157	A	MKDSN 1.5/5-5.08	5	5.08	25.4	10	1.75	1.61	1.38
651—1729160	A	MKDSN 1.5/6-5.08	6	5.08	30.48	10	2.12	1.96	1.67
651—1729173	A	MKDSN 1.5/7-5.08	7	5.08	35.56	10	2.51	2.32	1.97
651—1729186	A	MKDSN 1.5/8-5.08	8	5.08	40.64	10	2.85	2.63	2.24
651—1729199	A	MKDSN 1.5/9-5.08	9	5.08	45.72	10	3.20	2.96	2.52
651—1729209	A	MKDSN 1.5/10-5.08	10	5.08	50.8	10	3.55	3.28	2.80
651—1729212	A	MKDSN 1.5/11-5.08	11	5.08	55.88	10	3.89	3.60	3.06
651—1729225	A	MKDSN 1.5/12-5.08	12	5.08	60.96	10	4.27	3.94	3.36
5.08mm PCB Reduced Height Terminal Blocks - 145° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1869211	B	SMKDSN 1.5/2-5.08	2	5.08	11.16	11	.84	.78	.66
651—1869224	B	SMKDSN 1.5/3-5.08	3	5.08	16.24	11	1.25	1.15	.98
651—1869237	B	SMKDSN 1.5/4-5.08	4	5.08	21.32	11	1.65	1.52	1.30
651—1869240	B	SMKDSN 1.5/5-5.08	5	5.08	26.4	11	2.04	1.89	1.61
651—1869253	B	SMKDSN 1.5/6-5.08	6	5.08	31.48	11	2.45	2.26	1.93
651—1869266	B	SMKDSN 1.5/7-5.08	7	5.08	36.56	11	2.90	2.67	2.28
651—1869279	B	SMKDSN 1.5/8-5.08	8	5.08	41.64	11	3.29	3.04	2.59
651—1869282	B	SMKDSN 1.5/9-5.08	9	5.08	46.72	11	3.70	3.42	2.91
651—1869295	B	SMKDSN 1.5/10-5.08	10	5.08	51.8	11	4.13	3.82	3.25
5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1715721	A	MKDS 1.5/2-5.08	2	5.08	10.16	13.8	.79	.73	.63
651—1715734	A	MKDS 1.5/3-5.08	3	5.08	15.24	13.8	1.19	1.10	.94
651—1715747	A	MKDS 1.5/4-5.08	4	5.08	20.32	13.8	1.59	1.47	1.25
651—1715789	A	MKDS 1.5/8-5.08	8	5.08	40.64	13.8	3.18	2.93	2.50
651—1715802	A	MKDS 1.5/10-5.08	10	5.08	50.8	13.8	3.97	3.67	3.13
651—1715828	A	MKDS 1.5/12-5.08	12	5.08	60.96	13.8	4.77	4.40	3.75
5.08mm PCB Reduced Height Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-12 AWG, Green Color									
651—1888687	A	MKDSN 2.5/2-5.08	2	5.08	10.16	15	.74	.68	.58
651—1888690	A	MKDSN 2.5/3-5.08	3	5.08	15.24	15	1.12	1.04	.88
651—1888700	A	MKDSN 2.5/4-5.08	4	5.08	20.32	15	1.46	1.35	1.15
5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-12 AWG, Green Color									
651—1711725	A	MKDS 3/2-5.08	2	5.08	10.16	18	1.32	1.22	1.04
651—1711738	A	MKDS 3/3-5.08	3	5.08	15.24	18	2.00	1.84	1.57
5.08mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1713723	C	SMKDS 3/2-5.08	2	5.08	10.16	18	1.44	1.33	1.13
651—1713736	C	SMKDS 3/3-5.08	3	5.08	15.24	18	2.11	1.95	1.66
5.08mm PCB Terminal Blocks - 40° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1705469	D	SMKDS 2.5/2-5.08	2	5.08	10.16	19.4	1.37	1.27	1.08
651—1705472	D	SMKDS 2.5/3-5.08	3	5.08	15.24	19.4	2.06	1.90	1.62
5.08mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation with Test Connection UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1733570	E	SMKDSP 1.5/2-5.08	2	5.08	10.16	15.3	.87	.81	.69
651—1733583	E	SMKDSP 1.5/3-5.08	3	5.08	15.24	15.3	1.29	1.19	1.02
651—1733596	E	SMKDSP 1.5/4-5.08	4	5.08	20.32	15.3	1.75	1.61	1.38
651—1733606	E	SMKDSP 1.5/5-5.08	5	5.08	25.4	15.3	2.20	2.03	1.73
651—1733619	E	SMKDSP 1.5/6-5.08	6	5.08	30.48	15.3	2.63	2.43	2.07
651—1733622	E	SMKDSP 1.5/7-5.08	7	5.08	35.56	15.3	3.07	2.83	2.41
651—1733635	E	SMKDSP 1.5/8-5.08	8	5.08	40.64	15.3	3.52	3.25	2.77
651—1733651	E	SMKDSP 1.5/10-5.08	10	5.08	50.8	15.3	4.37	4.04	3.44
5.08mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation, Knife Disconnect UL: 300V @ 15A, 28-12 AWG, Green Color									
651—1780015	F	KDS 3-MT	1	5.08	5.08	24.8	3.75	3.46	2.95

Single Level, Through-Hole Solder Mounting (cont.)

For quantities of 100 and up, call for quote.

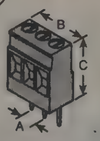
MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm.) A	B	C	Price Each 1	10	50
6.35mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color									
651—1714955	G	MKDS 5/2-6.35	2	6.35	12.69	21.5	1.27	1.17	1.00
651—1714968	G	MKDS 5/3-6.35	3	6.35	19.04	21.5	1.77	1.64	1.39
6.35mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation UL: 300V @ 30A, 30-10 AWG, Green Color									
651—1720033	H	SMKDS 5/2-6.35	2	6.35	12.69	21.5	1.33	1.23	1.05
651—1720046	H	SMKDS 5/3-6.35	3	6.35	19.05	21.5	1.99	1.83	1.56
6.35MM PCB Single Terminal Blocks - Front Connection UL: 300V @ 30A, 22-10 AWG, Green Color									
651—1703050	I	FRONT 4-H-6.35	1	6.35	26	- - -	2.96	2.74	2.33
651—1703063	J	FRONT 4-V-6.35	1	6.35	26	- - -	2.94	2.71	2.31
651—1703076	-	D-FRONT 4-6.35	Required End Cover				.41	.38	.32
7.5mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1717020	A	GMKDS 1.5/2	2	7.5	15	13.8	1.74	1.60	1.37
651—1717033	A	GMKDS 1.5/3	3	7.5	22.5	13.8	2.65	2.44	2.08
7.5mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1718029	K	GSMKDSP 1.5/2	2	7.5	15	15.3	1.81	1.67	1.42
651—1718032	K	GSMKDSP 1.5/3	3	7.5	22.5	15.3	2.69	2.48	2.12
7.5mm PCB Single Terminal Blocks - 90° Wire-to-Pin Orientation, Feed-Through UL: 300V @ 30A, 30-10 AWG, Green Color									
651—1780507	L	KDS 4	1	7.5	18	- - -	2.80	2.59	2.21
7.62mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1717729	A	GMKDS 1.5/2-7.62	2	7.62	15.24	13.8	1.74	1.60	1.37
651—1717732	A	GMKDS 1.5/3-7.62	3	7.62	22.86	13.8	2.65	2.44	2.08
7.62mm PCB Terminal Blocks - 35° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color									
651—1718728	K	GSMKDSP 1.5/2-7.62	2	7.62	15.24	15.3	1.81	1.67	1.42
651—1718731	K	GSMKDSP 1.5/3-7.62	3	7.62	22.86	15.3	2.69	2.48	2.12
7.62mm PCB Single Terminal Blocks - Front Connection UL: 300V @ 30A, 24-10 AWG, Green Color									
651—1703034	M	FRONT 4-H-7.62	1	7.62	28.4	- - -	3.03	2.80	2.39
651—1703021	N	FRONT 4-V-7.62	1	7.62	26	- - -	3.01	2.78	2.37
9.52mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 30A and 600V @ 5A, 30-12 AWG, Green Color									
651—1714971	O	MKDS 5/2-9.5	2	9.52	19.04	21.5	1.27	1.17	1.00
651—1714984	O	MKDS 5/3-9.5	3	9.52	28.56	21.5	1.87	1.73	1.47
9.52mm PCB Terminal Blocks - 90° Wire-to-Pin Orientation with Offset Pins UL: 600V @ 30A, 30-10 AWG, Green Color									
651—1907432	O	MKDS 5 HV/2-9.52-Z	2	9.52	19.04	21.5	1.27	1.17	1.00
651—1907429	O	MKDS 5 HV/3-9.52-Z	3	9.52	28.56	21.5	1.87	1.73	1.47
10.16mm PCB Terminal Blocks- 90° Wire-to-Pin Orientation UL: 300V @ 57A, 20-6 AWG, Green Color									
651—1706785	P	MKDSP 10/2-10.16	2	10.16	20.32	29.30	6.97	6.44	5.49
651—1706798	P	MKDSP 10/3-10.16	3	10.16	30.48	29.30	9.75	9.00	7.67
651—1929517	Q	MKDSP 10HV/2-10.16	2	10.16	20.32	30.80	7.77	7.17	6.11
651—1929520	Q	MKDSP 10HV/3-10.16	3	10.16	30.48	30.80	11.65	10.75	9.17
15.00mm PCB Terminal Blocks- 90° Wire-to-Pin Orientation UL: 600V @ 125A, 20-2AWG, Green Color									
651—1932588	R	MKDSP 25/2-15.00	2	15.00	30.00	39.00	8.40	7.76	6.61
651—1932591	R	MKDSP 25/3-15.00	3	15.00	45.00	39.00	12.60	11.63	9.92
651—1932601	R	MKDSP 25/4-15.00	4	15.00	60.00	39.00	16.80	15.51	13.22
651—1932614	R	MKDSP 25/5-15.00	5	15.00	75.00	39.00	21.01	19.39	16.53
651—1932627	R	MKDSP 25/6-15.00	6	15.00	90.00	39.00	25.21	23.27	19.83
651—1932630	R	MKDSP 25/7-15.00	7	15.00	105.00	39.00	29.41	27.15	23.14
651—1932643	R	MKDSP 25/8-15.00	8	15.00	120.00	39.00	33.61	31.02	26.45
651—1932656	R	MKDSP 25/9-15.00	9	15.00	135.00	39.00	37.81	34.90	29.75

PHOENIX CONTACT Terminal Blocks

RoHS Compliant This page of product is compliant.

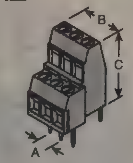
INSPIRING INNOVATIONS

A

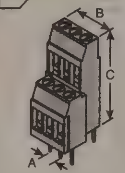


5.08mm Press Fit

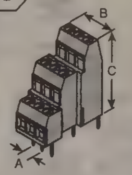
B



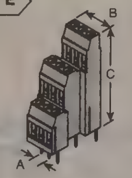
C



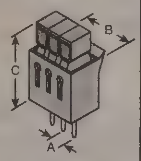
D



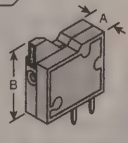
E



F

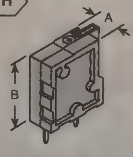


G



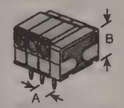
FFKDSA1/H-5.08 Illustrated

H



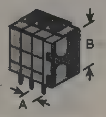
FFKDSA1/V-5.08 Illustrated

I



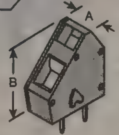
Shown w/ End Cover

J



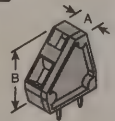
Shown w/ End Cover

K



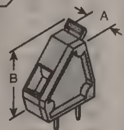
ZFKDSA 1.5C-6.0 Illustrated

L



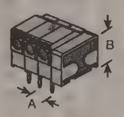
ZFKDSA 1.5-7.62 Illustrated

M



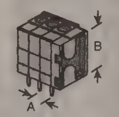
ZFKDSA 1.5-W-7.62 Illustrated

N



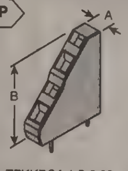
Shown w/ End Cover

O



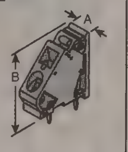
Shown w/ End Cover

P



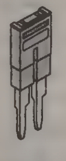
ZFKKDSA 1.5-6.08 Illustrated

Q



ZFKDSA 4-9 Illustrated

R



FBSK 2-10 Illustrated

ONE PIECE DESIGN W/ SCREW CLAMP TERMINATION

- RoHS Compliant per Phoenix documentation

Single Level, Press-Fit Mounting

RoHS Compliant
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
5.08mm Press-Fit PCB Terminal Blocks- 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
651	1730612	A	EMKDS 2.5/2-5.08	2	5.08	11.34	18.00	1.53	1.42	1.21
651	1730638	A	EMKDS 2.5/4-5.08	4	5.08	21.50	18.00	3.07	2.83	2.41
651	1730641	A	EMKDS 2.5/5-5.08	5	5.08	26.58	18.00	3.83	3.53	3.01
651	1730654	A	EMKDS 2.5/6-5.08	6	5.08	31.66	18.00	4.60	4.24	3.62

Multi-Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

3.81mm Double Level PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-16 AWG, Green Color										
651	1708026	B	MKKDS 1/2-3.81	2	3.81	7.62	16.2	2.60	2.40	2.05
651	1708039	B	MKKDS 1/3-3.81	3	3.81	11.43	16.2	3.88	3.58	3.06
651	1708042	B	MKKDS 1/4-3.81	4	3.81	15.24	16.2	5.20	4.80	4.09
651	1708055	B	MKKDS 1/5-3.81	5	3.81	19.05	16.2	6.48	5.98	5.10
651	1708068	B	MKKDS 1/6-3.81	6	3.81	22.86	16.2	7.79	7.19	6.13
651	1708084	B	MKKDS 1/8-3.81	8	3.81	30.48	16.2	10.40	9.60	8.18
651	1708107	B	MKKDS 1/9-3.81	9	3.81	34.29	16.2	11.69	10.80	9.20
651	1708110	B	MKKDS 1/10-3.81	10	3.81	38.1	16.2	13.00	12.00	10.23
651	1708136	B	MKKDS 1/12-3.81	12	3.81	45.72	16.2	15.59	14.39	12.27
5mm Double Level PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color										
651	1725012	B	MKKDS 1.5/2	2	5	10	25.2	2.01	1.86	1.58
651	1725025	B	MKKDS 1.5/3	3	5	15	25.2	3.01	2.78	2.37
UL: 150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color										
651	1721029	C	MKKDS 3/2	2	5	10	31.4	3.40	3.13	2.67
651	1721032	C	MKKDS 3/3	3	5	15	31.4	5.10	4.71	4.01
5.08mm Double Level PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color										
651	1725038	B	MKKDS 1.5/2-5.08	2	5.08	10.16	25.2	2.01	1.86	1.58
651	1725041	B	MKKDS 1.5/3-5.08	3	5.08	15.24	25.2	2.99	2.76	2.35
UL: 150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color										
651	1721728	C	MKKDS 3/2-5.08	2	5.08	10.16	31.4	3.40	3.13	2.67
651	1721731	C	MKKDS 3/3-5.08	3	5.08	15.24	31.4	5.06	4.67	3.98
5.08mm Triple Level PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 10A, 30-14 AWG, Green Color										
651	1724013	D	MK3DS 1.5/2-5.08	2	5.08	10.16	36.6	5.31	4.91	4.18
651	1724026	D	MK3DS 1.5/3-5.08	3	5.08	15.24	36.6	7.97	7.36	6.27
UL: 150V @ 15A and 300V @ 10A, 30-12 AWG, Green Color										
651	1723014	E	MK3DS 3/2-5.08	2	5.08	10.16	44.8	4.80	4.43	3.78
651	1723027	E	MK3DS 3/3-5.08	3	5.08	15.24	44.8	7.22	6.67	5.68

ONE PIECE DESIGN W/ IDC TERMINATION

- RoHS Compliant per Phoenix documentation

Single Level, Through-Hole Solder Mounting

RoHS Compliant
For quantities of 100 and up, call for quote.

3.81mm Insulation Displacement PCB Terminal Blocks - 90° Wire-to-Pin Orientation UL: 300V @ 5A, 28-22 AWG, Green Color										
651	1706170	F	IDC 0.3/2-3.81	2	3.81	8.81	14.8	.82	.75	.64
651	1706183	F	IDC 0.3/3-3.81	3	3.81	12.62	14.8	1.23	1.13	.96
651	1706196	F	IDC 0.3/4-3.81	4	3.81	16.43	14.8	1.64	1.51	1.29
651	1706206	F	IDC 0.3/5-3.81	5	3.81	20.24	14.8	2.04	1.89	1.61
651	1706219	F	IDC 0.3/6-3.81	6	3.81	24.05	14.8	2.45	2.26	1.93
651	1706222	F	IDC 0.3/7-3.81	7	3.81	27.86	14.8	2.86	2.64	2.25
651	1706235	F	IDC 0.3/8-3.81	8	3.81	31.67	14.8	3.27	3.02	2.57
651	1706248	F	IDC 0.3/9-3.81	9	3.81	35.48	14.8	3.68	3.40	2.89
651	1706251	F	IDC 0.3/10-3.81	10	3.81	39.29	14.8	4.09	3.77	3.22
651	1706277	F	IDC 0.3/12-3.81	12	3.81	46.91	14.8	4.91	4.53	3.86

ONE PIECE DESIGN W/ SPRING FORCE TERMINATION

- RoHS Compliant per Phoenix documentation

Single Level, Through-Hole Solder Mounting

RoHS Compliant
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
Modular 2.54mm PCB Spring Force Fixed Terminal Block - 90° Wire-to-Pin Orientation UL: 150V @ 6A, 26-20 AWG, Green Color										
651	1791826 *	G	FFKDS/H-2.54	1	2.54	12.6	- - -	- - -	.70	.63
End Terminal Block for FFKDS/H-2.54										
651	1791868	G	FFKDSA1/H-5.08	1	5.08	12.6	- - -	1.12	1.12	.99
Modular 2.54mm PCB Spring Force Fixed Terminal Block - 180° Wire-to-Pin Orientation										
651	1791813 *	H	FFKDS/V-2.54	1	2.54	13.6	- - -	- - -	.70	.63
End Terminal Block for FFKDS/V-2.54										
651	1791855	H	FFKDSA1/V-5.08	1	5.08	13.6	- - -	1.08	1.00	.85
Modular 3.81MM PCB Spring Force Terminal Block UL: 300V @ 6A, 26-16 AWG, Green Color										
651	1789650	I	FFKDS/H-3.81	1	3.81	12.7	- - -	.85	.79	.67
651	1789634	-	FFKDSA1/H-6.35	Required End Cover			- - -	1.11	1.03	.88
651	1789647	J	FFKDS/V-3.81	1	3.81	13.6	- - -	.85	.79	.67
651	1789621	-	FFKDSA1/V-6.35	Required End Cover			- - -	1.11	1.03	.88
Modular 5mm PCB Spring Force Fixed - Single Level w/o Lever - 135° Wire-to-Pin UL: 300V @ 10A, 26-12 AWG, Green Color										
651	1889259 *	K	ZFKDS 1.5C-5.0	1	5	12.75	- - -	- - -	.31	.24
End Terminal Block for ZFKDS 1.5C-5.0										
651	1889262	K	ZFKDSA 1.5C-6.0	1	6	12.75	- - -	.43	.40	.34
Modular 5.08mm PCB Spring Force Fixed - Single Level w/o Lever - 135° Wire-to-Pin										
651	1706701 *	L	ZFKDS 1.5-5.08	1	5.08	14.2	- - -	- - -	.31	.28
End Terminal Block for ZFKDS 1.5-5.08										
651	1706727	L	ZFKDSA 1.5-7.62	1	7.62	14.2	- - -	.43	.40	.34
Modular 5.08mm PCB Spring Force Fixed - Single Level w/ Lever - 135° Wire-to-Pin										
651	1706714 *	M	ZFKDS 1.5-W-5.08	1	5.08	16	- - -	- - -	.39	.35
End Terminal Block for ZFKDS 1.5-W-5.08										
651	1706730	M	ZFKDSA 1.5-W-7.62	1	7.62	16	- - -	.49	.45	.38
Modular 5.08MM PCB Spring Force Terminal Block UL: 300V @ 10A, 22-16 AWG, Green Color										
651	1790335	N	FFKDS/H1-5.08	1	5.08	12.7	- - -	.90	.83	.71
651	1790513	-	FFKDSA1/H1-7.62	Required End Cover			- - -	1.20	1.11	.95
Modular 5.08MM PCB Spring Force Terminal Block UL: 300V @ 10A, 22-16 AWG, Green Color										
651	1790319	O	FFKDS/V1-5.08	1	5.08	13.6	- - -	.90	.83	.71
651	1790490	-	FFKDSA1/V1-7.62	Required End Cover			- - -	1.20	1.11	.95
Modular 5.08mm PCB Spring Force Fixed - Double Level w/o Lever - 135° Wire-to-Pin UL: 300V @ 10A, 26-12 AWG, Green Color										
651	1704402 *	P	ZFKKDS 1.5-5.08	1	5.08	25.5	- - -	- - -	.84	.75
End Terminal Block for ZFKKDS 1.5-5.08										
651	1704567	P	ZFKKDSA 1.5-6.08	1	6.08	25.5	- - -	1.03	.95	.81
Modular 10mm PCB Spring Force Fixed Terminal Block - 135° Wire-to-Pin Orientation UL pending: 600V @ 30A, 24-10 AWG, Green Color										
651	1907539	Q	ZFKDS 4-10	1	10	23	- - -	1.03	.95	.81
End Terminal Block for ZFKDS 4-10										
651	1907542	Q	ZFKDSA 4-9	1	10	23	- - -	1.17	1.08	.92
Jumping Bridge for ZFKDS 4-10, Fully Insulated										
651	1928398	R	FBSK 2-10	2	- - -	- - -	- - -	.81	.74	.63
651	1928408	R	FBSK 3-10	3	- - -	- - -	- - -	1.58	1.46	1.24
651	1928411	R	FBSK 4-10	4	- - -	- - -	- - -	2.42	2.23	1.90
651	1928424	R	FBSK 5-10	5	- - -	- - -	- - -	3.19	2.95	2.51
651	1928437	R	FBSK 6-10	10	- - -	- - -	- - -	6.13	5.66	4.82

* Sold only in strips of 10 terminals. These modular strips can be broken apart or extended to any length needed. An end terminal block is required to terminate each row of terminals.

PHOENIX CONTACT Economy Terminal Blocks
(5.0mm)

RoHS Compliant **This page of product is compliant.**

PHOENIX CONTACT
INSPIRING INNOVATIONS

5.0MM FIXED SCREW TERMINAL BLOCKS WITH WIRE PROTECTION

- RoHS compliant per Phoenix documentation
- Color: Green
- End to end stackable with dove tail design
- Clamping screws have combination screw head
- Insulation Material: Polyamide - UL94V-0
- Max Voltage: 300V
- Max Current: 10A
- Wire Size: 26-12 AWG
- Lead Length: 3.5 mm

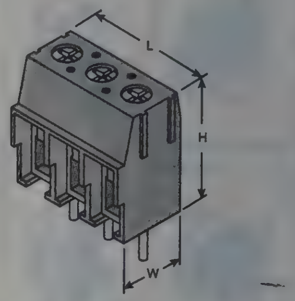
E60425

RoHS Compliant

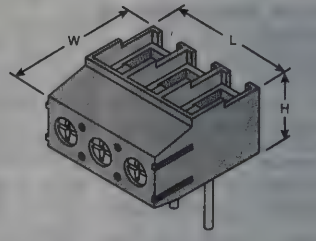
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions: mm			Price Each				
Mfr. Mfr. Part No.				L	W	H	1	50	100	250	500
Horizontal Mounting											
651—1935161	A	PT 1.5/2-5.0-H	2	10	8.3	11.3	.36	.25	.22	.21	.20
651—1935174	A	PT 1.5/3-5.0-H	3	15	8.3	11.3	.55	.38	.34	.32	.30
651—1935187	A	PT 1.5/4-5.0-H	4	20	8.3	11.3	.56	.51	.46	.43	.41
651—1935190	A	PT 1.5/5-5.0-H	5	25	8.3	11.3	.71	.64	.57	.54	.51
651—1935200	A	PT 1.5/6-5.0-H	6	30	8.3	11.3	.87	.75	.68	.64	.60
651—1935213	A	PT 1.5/7-5.0-H	7	35	8.3	11.3	.99	.88	.80	.75	.71
651—1935226	A	PT 1.5/8-5.0-H	8	40	8.3	11.3	1.12	1.01	.91	.86	.81
651—1935239	A	PT 1.5/9-5.0-H	9	45	8.3	11.3	1.26	1.13	1.02	.96	.90
651—1935242	A	PT 1.5/10-5.0-H	10	50	8.3	11.3	1.41	1.26	1.13	1.07	1.01
651—1935255	A	PT 1.5/11-5.0-H	11	55	8.3	11.3	1.55	1.39	1.25	1.18	1.11
651—1935268	A	PT 1.5/12-5.0-H	12	60	8.3	11.3	1.68	1.51	1.36	1.28	1.21
651—1935271	A	PT 1.5/13-5.0-H	13	65	8.3	11.3	1.83	1.64	1.47	1.39	1.31
651—1935284	A	PT 1.5/14-5.0-H	14	70	8.3	11.3	1.97	1.77	1.59	1.50	1.41
651—1935297	A	PT 1.5/15-5.0-H	15	75	8.3	11.3	2.12	1.90	1.71	1.61	1.52
651—1935307	A	PT 1.5/16-5.0-H	16	80	8.3	11.3	2.25	2.02	1.81	1.71	1.61
Vertical Mounting											
651—1935310	B	PT 1.5/2-5.0-V	2	10	11.3	8.3	.32	.29	.26	.24	.23
651—1935323	B	PT 1.5/3-5.0-V	3	15	11.3	8.3	.49	.43	.39	.36	.34
651—1935336	B	PT 1.5/4-5.0-V	4	20	11.3	8.3	.64	.56	.50	.48	.45
651—1935349	B	PT 1.5/5-5.0-V	5	25	11.3	8.3	.81	.70	.63	.60	.56
651—1935352	B	PT 1.5/6-5.0-V	6	30	11.3	8.3	.94	.85	.76	.72	.68
651—1935365	B	PT 1.5/7-5.0-V	7	35	11.3	8.3	1.10	.99	.89	.84	.79
651—1935378	B	PT 1.5/8-5.0-V	8	40	11.3	8.3	1.28	1.13	1.02	.96	.90
651—1935381	B	PT 1.5/9-5.0-V	9	45	11.3	8.3	1.42	1.27	1.15	1.08	1.02
651—1935394	B	PT 1.5/10-5.0-V	10	50	11.3	8.3	1.60	1.42	1.28	1.20	1.13
651—1935404	B	PT 1.5/11-5.0-V	11	55	11.3	8.3	1.74	1.56	1.40	1.33	1.25
651—1935417	B	PT 1.5/12-5.0-V	12	60	11.3	8.3	1.89	1.69	1.52	1.44	1.35
651—1935420	B	PT 1.5/13-5.0-V	13	65	11.3	8.3	2.04	1.83	1.65	1.56	1.47
651—1935433	B	PT 1.5/14-5.0-V	14	70	11.3	8.3	2.21	1.98	1.78	1.68	1.58
651—1935446	B	PT 1.5/15-5.0-V	15	75	11.3	8.3	2.36	2.12	1.91	1.80	1.70
651—1935459	B	PT 1.5/16-5.0-V	16	80	11.3	8.3	2.53	2.26	2.04	1.92	1.81

A



B



5.0MM PLUGGABLE SCREW TERMINAL BLOCKS WITH WIRE PROTECTION

- RoHS compliant per Phoenix documentation
- Plug can mount Horizontally or Vertically
- End to end stackable with dove tail design
- Clamping screws have combination screw head
- Insulation Material: Polyamide - UL94V-0
- Terminal Block Color: Green
- Max Voltage: 300V
- Max Current: 10A
- Wire Size: 26-12 AWG

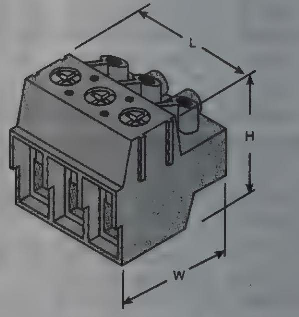
E60425

RoHS Compliant

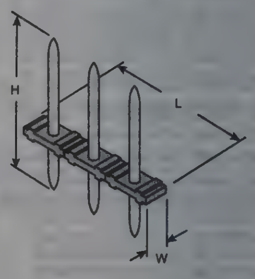
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions: mm			Price Each				
Mfr. Mfr. Part No.				L	W	H	1	50	100	250	500
Terminal Block Plug - Green											
651—1934861	A	PT 1.5/2-PVH-5.0	2	10	14.9	11.3	.36	.25	.22	.21	.20
651—1934874	A	PT 1.5/3-PVH-5.0	3	15	14.9	11.3	.55	.38	.34	.32	.30
651—1934887	A	PT 1.5/4-PVH-5.0	4	20	14.9	11.3	.57	.51	.46	.43	.41
651—1934890	A	PT 1.5/5-PVH-5.0	5	25	14.9	11.3	.72	.64	.57	.54	.51
651—1934900	A	PT 1.5/6-PVH-5.0	6	30	14.9	11.3	.85	.75	.68	.64	.60
651—1934913	A	PT 1.5/7-PVH-5.0	7	35	14.9	11.3	.99	.88	.80	.75	.71
651—1934926	A	PT 1.5/8-PVH-5.0	8	40	14.9	11.3	1.13	1.01	.91	.86	.81
651—1934939	A	PT 1.5/9-PVH-5.0	9	45	14.9	11.3	1.28	1.13	1.02	.96	.90
651—1934942	A	PT 1.5/10-PVH-5.0	10	50	14.9	11.3	1.40	1.26	1.13	1.07	1.01
651—1934955	A	PT 1.5/11-PVH-5.0	11	55	14.9	11.3	1.55	1.39	1.25	1.18	1.11
651—1934968	A	PT 1.5/12-PVH-5.0	12	60	14.9	11.3	1.68	1.51	1.36	1.28	1.21
651—1934971	A	PT 1.5/13-PVH-5.0	13	65	14.9	11.3	1.83	1.64	1.47	1.39	1.31
651—1934984	A	PT 1.5/14-PVH-5.0	14	70	14.9	11.3	1.98	1.77	1.59	1.50	1.41
651—1934997	A	PT 1.5/15-PVH-5.0	15	75	14.9	11.3	2.11	1.90	1.71	1.61	1.52
651—1935006	A	PT 1.5/16-PVH-5.0	16	80	14.9	11.3	2.24	2.02	1.81	1.71	1.61
(THR) High-Temperature Pin Strip Headers (Reflow Compatible) - Black - Solder Tail length: 3.5 mm											
651—1933189	B	PST 1.3/2-5.0	2	10	2.8	13	.14	.12	.11	.09	.08
651—1933192	B	PST 1.3/3-5.0	3	15	2.8	13	.25	.17	.15	.14	.13
651—1933202	B	PST 1.3/4-5.0	4	20	2.8	13	.32	.22	.20	.19	.18
651—1933215	B	PST 1.3/5-5.0	5	25	2.8	13	.33	.27	.25	.23	.22
651—1933228	B	PST 1.3/6-5.0	6	30	2.8	13	.36	.33	.29	.28	.26
651—1933231	B	PST 1.3/7-5.0	7	35	2.8	13	.44	.39	.35	.33	.31
651—1933244	B	PST 1.3/8-5.0	8	40	2.8	13	.49	.44	.40	.38	.35
651—1933257	B	PST 1.3/9-5.0	9	45	2.8	13	.55	.49	.44	.42	.40
651—1933260	B	PST 1.3/10-5.0	10	50	2.8	13	.62	.55	.49	.46	.44
651—1933273	B	PST 1.3/11-5.0	11	55	2.8	13	.68	.61	.55	.52	.49
651—1933286	B	PST 1.3/12-5.0	12	60	2.8	13	.74	.66	.60	.56	.53
651—1933299	B	PST 1.3/13-5.0	13	65	2.8	13	.79	.72	.64	.61	.57
651—1933309	B	PST 1.3/14-5.0	14	70	2.8	13	.86	.77	.69	.65	.61
651—1933312	B	PST 1.3/15-5.0	15	75	2.8	13	.94	.83	.75	.71	.67
651—1933325	B	PST 1.3/16-5.0	16	80	2.8	13	.99	.88	.80	.75	.71

A



B



PHOENIX CONTACT Economy Terminal Blocks

RoHS Compliant This page of product is compliant.

3.5MM COMPACT PCB TERMINAL BLOCKS WITH SCREW CONNECTION

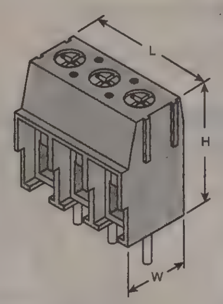
- RoHS Compliant per Phoenix Documentation
- End to end stackable with dove tail design
- Clamping screws have combination screw head
- Insulation Material: Polyamide - UL94V-0
- Color: Green
- Max Voltage: 300V
- Max Current: 10A
- Wire Size: 26 -16 AWG

RoHS Compliant

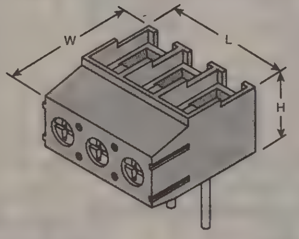
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions: mm			Price Each				
Mfr. Mfr. Part No.				L	W	H	1	50	100	250	500
Horizontal Mounting											
651—1984617	A	PT 1.5/2-3.5H	2	7.0	7.6	9.2	.29	.26	.24	.22	.21
651—1984620	A	PT 1.5/3-3.5H	3	10.5	7.6	9.2	.44	.41	.36	.34	.32
651—1984633	A	PT 1.5/4-3.5H	4	14.0	7.6	9.2	.57	.52	.46	.42	.40
651—1984646	A	PT 1.5/5-3.5H	5	17.5	7.6	9.2	.72	.65	.58	.54	.51
651—1984659	A	PT 1.5/6-3.5H	6	21.0	7.6	9.2	.87	.78	.71	.63	.61
651—1984662	A	PT 1.5/7-3.5H	7	24.5	7.6	9.2	1.01	.91	.82	.74	.72
651—1984675	A	PT 1.5/8-3.5H	8	28.0	7.6	9.2	1.16	1.04	.94	.85	.81
651—1984688	A	PT 1.5/9-3.5H	9	31.5	7.6	9.2	1.31	1.18	1.06	.95	.92
651—1984691	A	PT 1.5/10-3.5H	10	35.0	7.6	9.2	1.45	1.31	1.18	1.06	1.02
651—1984701	A	PT 1.5/11-3.5H	11	38.5	7.6	9.2	1.59	1.42	1.29	1.18	1.13
651—1984714	A	PT 1.5/12-3.5H	12	42.0	7.6	9.2	1.73	1.56	1.41	1.28	1.22
651—1984727	A	PT 1.5/13-3.5H	13	45.5	7.6	9.2	1.88	1.69	1.53	1.38	1.32
651—1984730	A	PT 1.5/14-3.5H	14	49.0	7.6	9.2	2.02	1.82	1.64	1.49	1.44
651—1984743	A	PT 1.5/15-3.5H	15	52.5	7.6	9.2	2.17	1.96	1.76	1.58	1.53
651—1984756	A	PT 1.5/16-3.5H	16	56.0	7.6	9.2	2.32	2.08	1.88	1.69	1.64
Vertical Mounting											
651—1984769	B	PT 1.5/2-3.5V	2	7.0	9.2	7.6	.32	.29	.27	.25	.23
651—1984772	B	PT 1.5/3-3.5V	3	10.5	9.2	7.6	.48	.43	.39	.36	.34
651—1984785	B	PT 1.5/4-3.5V	4	14.0	9.2	7.6	.64	.58	.52	.47	.45
651—1984798	B	PT 1.5/5-3.5V	5	17.5	9.2	7.6	.81	.72	.65	.58	.56
651—1984808	B	PT 1.5/6-3.5V	6	21.0	9.2	7.6	.96	.86	.78	.71	.68
651—1984811	B	PT 1.5/7-3.5V	7	24.5	9.2	7.6	1.12	.99	.91	.81	.79
651—1984824	B	PT 1.5/8-3.5V	8	28.0	9.2	7.6	1.28	1.15	1.03	.94	.91
651—1984837	B	PT 1.5/9-3.5V	9	31.5	9.2	7.6	1.44	1.29	1.17	1.15	1.09
651—1984840	B	PT 1.5/10-3.5V	10	35.0	9.2	7.6	1.59	1.44	1.29	1.18	1.13
651—1984853	B	PT 1.5/11-3.5V	11	38.5	9.2	7.6	1.76	1.58	1.43	1.31	1.25
651—1984866	B	PT 1.5/12-3.5V	12	42.0	9.2	7.6	1.92	1.73	1.55	1.44	1.36
651—1984879	B	PT 1.5/13-3.5V	13	45.5	9.2	7.6	2.08	1.87	1.69	1.54	1.48
651—1984882	B	PT 1.5/14-3.5V	14	49.0	9.2	7.6	2.24	2.02	1.81	1.66	1.59
651—1984895	B	PT 1.5/15-3.5V	15	52.5	9.2	7.6	2.39	2.16	1.94	1.77	1.69
651—1984905	B	PT 1.5/16-3.5V	16	56.0	9.2	7.6	2.56	2.31	2.07	1.89	1.82

A



B



3.5MM PLUGGABLE COMPACT PCB TERMINAL BLOCKS WITH SCREW CONNECTION

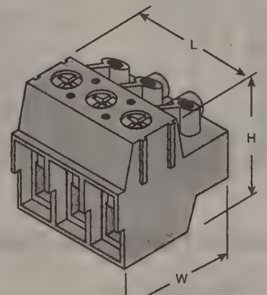
- RoHS Compliant per Phoenix Documentation
- Plug can mount Horizontally or Vertically
- End to end stackable with dove tail design
- Clamping screws have combination screw head
- Insulation Material: Polyamide - UL94V-0
- Color: Green
- Max Voltage: 300V
- Max Current: 10A
- Wire Size: 26 - 16 AWG

RoHS Compliant

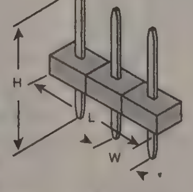
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions: mm			Price Each				
Mfr. Mfr. Part No.				L	W	H	1	50	100	250	500
Horizontal / Vertical Terminal Block Plug											
651—1984015	C	PT 1.5/2-PVH-3.5	2	7.0	14.6	11.1	.29	.26	.24	.22	.21
651—1984028	C	PT 1.5/3-PVH-3.5	3	10.5	14.6	11.1	.44	.39	.36	.32	.31
651—1984031	C	PT 1.5/4-PVH-3.5	4	14.0	14.6	11.1	.59	.53	.48	.43	.41
651—1984044	C	PT 1.5/5-PVH-3.5	5	17.5	14.6	11.1	.73	.66	.59	.53	.51
651—1984057	C	PT 1.5/6-PVH-3.5	6	21.0	14.6	11.1	.89	.81	.72	.65	.62
651—1984060	C	PT 1.5/7-PVH-3.5	7	24.5	14.6	11.1	1.04	.94	.84	.76	.72
651—1984073	C	PT 1.5/8-PVH-3.5	8	28.0	14.6	11.1	1.18	1.07	.96	.87	.83
651—1984086	C	PT 1.5/9-PVH-3.5	9	31.5	14.6	11.1	1.33	1.21	1.08	.97	.92
651—1984099	C	PT 1.5/10-PVH-3.5	10	35.0	14.6	11.1	1.48	1.33	1.19	1.08	1.01
651—1984109	C	PT 1.5/11-PVH-3.5	11	38.5	14.6	11.1	1.63	1.46	1.32	1.19	1.13
651—1984112	C	PT 1.5/12-PVH-3.5	12	42.0	14.6	11.1	1.77	1.59	1.44	1.29	1.22
651—1984125	C	PT 1.5/13-PVH-3.5	13	45.5	14.6	11.1	1.92	1.73	1.55	1.41	1.34
651—1984138	C	PT 1.5/14-PVH-3.5	14	49.0	14.6	11.1	2.07	1.86	1.67	1.51	1.43
651—1984141	C	PT 1.5/15-PVH-3.5	15	52.5	14.6	11.1	2.21	1.99	1.79	1.62	1.54
651—1984154	C	PT 1.5/16-PVH-3.5	16	56.0	14.6	11.1	2.36	2.12	1.91	1.72	1.63
(THR) High-Temperature Pin Strip Headers (Reflow Compatible) - Black- 3.5mm											
651—1945096	D	PST 1.0/2-3.5	2	7.0	3.5	13.0	.12	.10	.09	.09	.08
651—1945106	D	PST 1.0/3-3.5	3	10.5	3.5	13.0	.17	.15	.14	.13	.12
651—1945119	D	PST 1.0/4-3.5	4	14.0	3.5	13.0	.23	.21	.18	.17	.16
651—1945122	D	PST 1.0/5-3.5	5	17.5	3.5	13.0	.28	.26	.24	.21	.19
651—1945135	D	PST 1.0/6-3.5	6	21.0	3.5	13.0	.34	.30	.28	.25	.23
651—1945148	D	PST 1.0/7-3.5	7	24.5	3.5	13.0	.39	.37	.34	.30	.27
651—1945151	D	PST 1.0/8-3.5	8	28.0	3.5	13.0	.45	.43	.39	.36	.31
651—1945164	D	PST 1.0/9-3.5	9	31.5	3.5	13.0	.49	.45	.42	.38	.34
651—1945177	D	PST 1.0/10-3.5	10	35.0	3.5	13.0	.55	.52	.47	.41	.38
651—1945180	D	PST 1.0/11-3.5	11	38.5	3.5	13.0	.61	.56	.53	.46	.42
651—1945193	D	PST 1.0/12-3.5	12	42.0	3.5	13.0	.66	.62	.57	.51	.47
651—1945203	D	PST 1.0/13-3.5	13	45.5	3.5	13.0	.74	.68	.62	.55	.51
651—1945216	D	PST 1.0/14-3.5	14	49.0	3.5	13.0	.79	.73	.67	.61	.54
651—1945229	D	PST 1.0/15-3.5	15	52.5	3.5	13.0	.87	.81	.74	.66	.58
651—1945232	D	PST 1.0/16-3.5	16	56.0	3.5	13.0	.92	.86	.79	.71	.62

C



D



PHOENIX CONTACT 3.5mm Economy Terminal Blocks

RoHS Compliant This page of product is compliant.

3.5MM SPRING FORCE ANGLED PCB TERMINAL BLOCKS

- RoHS Compliant per Phoenix Documentation
- Color: Green
- Offset Solder Pins
- Rapid spring cage clamping for solid or flexible wire
- Insulation Material: Polyamide - UL94V-2
- Max Voltage: 300V
- Max Current: 2A
- Wire Size: 20-16 AWG
- UL Approval File # E60425

E60425 RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each			
Mfr.	Mfr. Part No.				L	W	H	1	50	100	250
651	1985195	A	PTSA 1.5/2-3.5-Z	2	10	12	13.1	.20	.18	.16	.14
651	1985205	A	PTSA 1.5/3-3.5-Z	3	12	12	13.1	.30	.27	.23	.21
651	1985218	A	PTSA 1.5/4-3.5-Z	4	15.5	12	13.1	.40	.36	.30	.28
651	1985221	A	PTSA 1.5/5-3.5-Z	5	19	12	13.1	.50	.46	.37	.35
651	1985234	A	PTSA 1.5/6-3.5-Z	6	22.5	12	13.1	.60	.55	.44	.42
651	1985247	A	PTSA 1.5/7-3.5-Z	7	26	12	13.1	.70	.64	.52	.49
651	1985250	A	PTSA 1.5/8-3.5-Z	8	29.5	12	13.1	.79	.72	.59	.55
651	1985263	A	PTSA 1.5/9-3.5-Z	9	33	12	13.1	.89	.81	.66	.62
651	1985276	A	PTSA 1.5/10-3.5-Z	10	36.5	12	13.1	.99	.90	.73	.69
651	1985289	A	PTSA 1.5/11-3.5-Z	11	40	12	13.1	1.09	.99	.80	.76
651	1985292	A	PTSA 1.5/12-3.5-Z	12	43.5	12	13.1	1.19	1.08	.88	.83

3.5MM SPRING FORCE PCB PLUGGABLE TERMINAL BLOCKS

- RoHS Compliant per Phoenix Documentation
- Color: Green
- 2 Wire entries per circuit
- Insulation Material: Polyamide - UL94V-0
- Terminal Blocks Mount on the Pin Strip Headers
- Terminal blocks can be prewired and quickly installed
- Stripped wired make contact automatically when inserted
- Max Voltage: 300V
- Max Current: 4A
- Wire Size: 28-20 AWG solid conductor
- UL Approval File # E60425

E60425 RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each			
Mfr.	Mfr. Part No.				W	L	H	1	50	100	250
3.5mm PCB Pluggable Terminal Blocks											
651	1913921	B	FK-MPT 0.5/2-ST-3.5	2	9.5	7.5	8.5	.59	.55	.47	.45
651	1913934	B	FK-MPT 0.5/3-ST-3.5	3	9.5	11	8.5	.85	.79	.68	.64
651	1913947	B	FK-MPT 0.5/4-ST-3.5	4	9.5	14.5	8.5	1.15	1.06	.92	.86
651	1913950	B	FK-MPT 0.5/5-ST-3.5	5	9.5	18	8.5	1.46	1.35	1.16	1.10
651	1913963	B	FK-MPT 0.5/6-ST-3.5	6	9.5	21.5	8.5	1.74	1.61	1.39	1.31
651	1913976	B	FK-MPT 0.5/7-ST-3.5	7	9.5	25	8.5	2.01	1.86	1.61	1.52
651	1913989	B	FK-MPT 0.5/8-ST-3.5	8	9.5	28.4	8.5	2.30	2.13	1.84	1.74
651	1913992	B	FK-MPT 0.5/9-ST-3.5	9	9.5	32	8.5	2.61	2.41	2.09	1.97
651	1914001	B	FK-MPT 0.5/10-ST-3.5	10	9.5	35.5	8.5	2.90	2.69	2.33	2.20
651	1914027	B	FK-MPT 0.5/11-ST-3.5	11	9.5	39	8.5	3.16	2.93	2.53	2.39
651	1914030	B	FK-MPT 0.5/12-ST-3.5	12	9.5	42.5	8.5	3.47	3.21	2.78	2.62
(THR) High-Temperature Pin Strip Headers (Reflow Compatible) - Black - Solder Tail length: 3.5 mm											
651	1945096	C	PST 1.0/2-3.5	2	3.5	7	13	.12	.10	.09	.09
651	1945106	C	PST 1.0/3-3.5	3	3.5	10.5	13	.17	.15	.14	.13
651	1945119	C	PST 1.0/4-3.5	4	3.5	14	13	.23	.21	.18	.17
651	1945122	C	PST 1.0/5-3.5	5	3.5	17.5	13	.28	.26	.24	.21
651	1945135	C	PST 1.0/6-3.5	6	3.5	21	13	.34	.30	.28	.25
651	1945148	C	PST 1.0/7-3.5	7	3.5	24.5	13	.39	.37	.34	.30
651	1945151	C	PST 1.0/8-3.5	8	3.5	28	13	.45	.43	.39	.36
651	1945164	C	PST 1.0/9-3.5	9	3.5	31.5	13	.49	.45	.42	.38
651	1945177	C	PST 1.0/10-3.5	10	3.5	35	13	.55	.52	.47	.41
651	1945180	C	PST 1.0/11-3.5	11	3.5	38.5	13	.61	.56	.53	.46
651	1945193	C	PST 1.0/12-3.5	12	3.5	42	13	.66	.62	.57	.51

3.5MM SPRING FORCE PCB FIXED TERMINAL BLOCKS

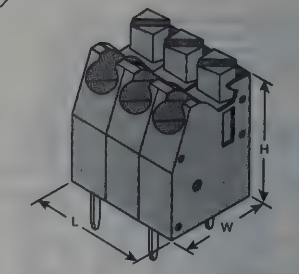
- RoHS Compliant per Phoenix Documentation
- Color: Green
- 2 Wire entries per circuit
- Insulation Material: Polyamide - UL94V-0
- Stripped wires make contact automatically when inserted
- Max Voltage: 300V
- Max Current: 4A
- Wire Size: 28-20 AWG solid conductor
- UL Approval File # E60425

E60425 RoHS Compliant

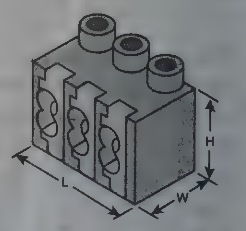
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm.)			Price Each			
Mfr.	Mfr. Part No.				W	L	H	1	50	100	250
Vertical											
651	1891069	D	FK-MPT 0.5/2-3-5	2	7	7.5	9.5	.49	.45	.39	.37
651	1891072	D	FK-MPT 0.5/3-3-5	3	7	11.0	9.5	.73	.68	.60	.56
651	1891085	D	FK-MPT 0.5/4-3-5	4	7	14.5	9.5	.97	.90	.78	.74
651	1891098	D	FK-MPT 0.5/5-3-5	5	7	18.0	9.5	1.22	1.13	.98	.92
651	1891108	D	FK-MPT 0.5/6-3-5	6	7	21.5	9.5	1.46	1.35	1.16	1.10
651	1891124	D	FK-MPT 0.5/8-3-5	8	7	28.5	9.5	1.94	1.80	1.56	1.47
651	1891140	D	FK-MPT 0.5/10-3-5	10	7	35.5	9.5	2.43	2.25	1.95	1.84
651	1891166	D	FK-MPT 0.5/12-3-5	12	7	42.5	9.5	2.92	2.70	2.34	2.21
Horizontal											
651	1928767	E	FK-MPT 0.5/2-3-5-H	2	9.5	7.5	8.5	.58	.49	.46	.44
651	1928770	E	FK-MPT 0.5/3-3-5-H	3	9.5	11.0	8.5	.85	.72	.68	.64
651	1928783	E	FK-MPT 0.5/4-3-5-H	4	9.5	14.5	8.5	1.15	.98	.92	.86
651	1928796	E	FK-MPT 0.5/5-3-5-H	5	9.5	18.0	8.5	1.43	1.22	1.14	1.08
651	1928806	E	FK-MPT 0.5/6-3-5-H	6	9.5	21.5	8.5	1.73	1.47	1.38	1.30
651	1928822	E	FK-MPT 0.5/8-3-5-H	8	9.5	28.5	8.5	2.28	1.94	1.82	1.72
651	1928848	E	FK-MPT 0.5/10-3-5-H	10	9.5	35.5	8.5	2.88	2.45	2.31	2.18
651	1928864	E	FK-MPT 0.5/12-3-5-H	12	9.5	42.5	8.5	3.43	2.92	2.75	2.59

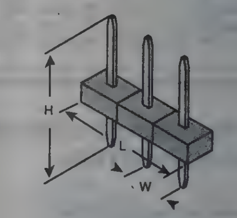
A



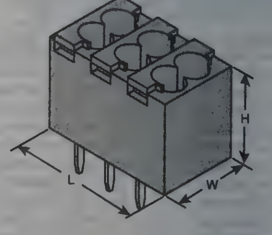
B



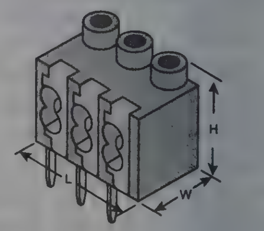
C



D



E



RoHS Compliant This page of product is compliant.

THR TERMINAL BLOCKS FOR SMT REFLOW SOLDERING

- COMBICON THR (Through Hole Reflow) terminal blocks and headers are engineered to withstand the heat of the SMT soldering process
- Eliminates the need for time-consuming secondary wave or hand soldering.
- Drop-in replacement for existing terminal blocks
- Heat resistant housing is able to withstand 290°C for 10 seconds
- RoHS and WEEE compliant, lead free per Phoenix documentation
- Tape and Reel versions available upon request
- Through hole solder pins for high mechanical stability
- "PIN-in-PASTE" mounting procedure

RoHS Compliant

High Temperature Fixed PCB Terminal Blocks

- Standard 2 and 3 positions available
- Interlocking Dovetail sides allows for multiple position creation

For quantities of 100 and up or Tape and Reel, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Position	Current Rating	Voltage Rating	AWG	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.							A	B	C	1	10	50
3.50mm PCB Terminal Fixed Terminal Blocks - 90° Wire-to-Board Orientation - Black Color												
651—1985807	A	MKDS 1/2-3.5 HT BK	2	10A	160	26-16	3.50	7.50	8.50	.74	.68	.58
651—1984950	A	MKDS 1/ 3-3.5 HT BK	3	10A	160	26-16	3.50	11.00	8.50	1.17	1.08	.92
3.81mm PCB Terminal Fixed Terminal Blocks - 90° Wire-to-Board Orientation - Black Color												
651—1985823	A	MKDS 1/2-3.81 HT BK	2	10A	160	26-16	3.81	7.61	8.50	.74	.68	.58
651—1985836	A	MKDS 1/3-3.81 HT BK	3	10A	160	26-16	3.81	11.42	8.50	1.12	1.04	.88
5.00mm PCB Terminal Fixed Terminal Blocks - 90° Wire-to-Board Orientation - Black Color												
651—1985849	A	MKDSN 1.5/2 HT BK	2	13.5A	250	26-16	5.00	10.00	10.00	.65	.60	.51
651—1985852	A	MKDSN 1.5/3 HT BK	3	13.5A	250	26-16	5.00	15.00	10.00	.98	.90	.77
651—1985881	A	MKDS 1.5/2 HT BK	2	17.5A	250	26-14	5.00	10.00	13.80	.78	.72	.62
651—1985894	A	MKDS 1.5/3 HT BK	3	17.5A	250	26-14	5.00	15.00	13.80	1.19	1.10	.94
651—1985920	A	MKDSN 2.5/ 2 HT BK	2	16.0A	250	24-14	5.00	10.00	15.00	.58	.53	.46
651—1985933	A	MKDSN 2.5/ 3 HT BK	3	16.0A	250	24-14	5.00	15.00	15.00	.90	.83	.71
651—1985962	A	MKDS 3/ 2 HT BK	2	24.0A	250	24-12	5.00	10.00	18.00	.95	.88	.75
651—1985975	A	MKDS 3/ 3 HT BK	3	24.0A	250	24-12	5.00	15.00	18.00	1.46	1.35	1.15
5.08mm PCB Terminal Fixed Terminal Blocks - 90° Wire-to-Board Orientation - Black Color												
651—1985865	A	MKDSN 1.5/ 2-5.08 HT BK	2	13.5A	250	26-16	5.08	10.16	10.00	.65	.60	.51
651—1985878	A	MKDSN 1.5/ 3-5.08 HT BK	3	13.5A	250	26-16	5.08	15.24	10.00	.98	.90	.77
651—1985904	A	MKDS 1.5/2-5.08 HT BK	2	17.5A	250	26-14	5.08	10.16	13.80	.78	.72	.62
651—1985917	A	MKDS 1.5/3-5.08 HT BK	3	17.5A	250	26-14	5.08	15.24	13.80	1.19	1.10	.94
651—1985946	A	MKDSN 2.5/2-5.08 HT BK	2	16.0A	250	24-14	5.08	10.16	15.00	.58	.53	.46
651—1985959	A	MKDSN 2.5/3-5.08 HT BK	3	16.0A	250	24-14	5.08	15.24	15.00	.90	.83	.71
651—1985988	A	MKDS 3/2-5.08 HT BK	2	24.0A	250	24-12	5.08	10.16	18.00	.95	.88	.75
651—1985991	A	MKDS 3/3-5.08 HT BK	3	24.0A	250	24-12	5.08	15.24	18.00	1.46	1.35	1.15

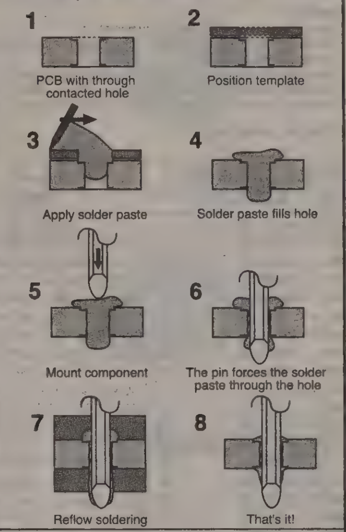
High Temperature Pluggable PCB Headers

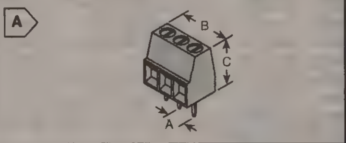
- Mates with standard plugs

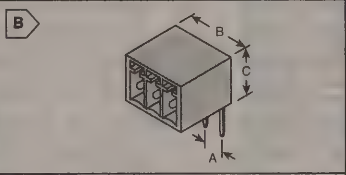
For quantities of 100 and up or Tape and Reel, call for quote.

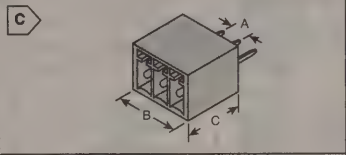
MOUSER STOCK NO.	Fig.	Phoenix Type	Position	Current Rating	Voltage Rating	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.						A	B	C	1	10	50
3.81mm PCB Terminal Block Headers - 90° Socket-to-Pin Orientation - Black Color											
651—1908761	B	MC 1.5/2-G-3.81 THT	2	8A	300	3.81	9.01	7.25	.61	.57	.48
651—1908774	B	MC 1.5/3-G-3.81 THT	3	8A	300	3.81	12.82	7.25	.89	.82	.70
651—1908787	B	MC 1.5/4-G-3.81 THT	4	8A	300	3.81	16.63	7.25	1.18	1.09	.93
651—1908790	B	MC 1.5/5-G-3.81 THT	5	8A	300	3.81	20.44	7.25	1.49	1.37	1.17
651—1908800	B	MC 1.5/6-G-3.81 THT	6	8A	300	3.81	24.25	7.25	1.77	1.64	1.39
651—1908813	B	MC 1.5/7-G-3.81 THT	7	8A	300	3.81	28.06	7.25	2.06	1.90	1.62
651—1908826	B	MC 1.5/8-G-3.81 THT	8	8A	300	3.81	31.87	7.25	2.36	2.18	1.86
651—1908839	B	MC 1.5/9-G-3.81 THT	9	8A	300	3.81	35.68	7.25	2.66	2.45	2.09
651—1908842	B	MC 1.5/10-G-3.81 THT	10	8A	300	3.81	39.49	7.25	2.95	2.73	2.32
651—1908855	B	MC 1.5/ 11-G-3.81 THT	11	8A	300	3.81	43.3	7.25	3.25	3.00	2.56
651—1908868	B	MC 1.5/ 12-G-3.81 THT	12	8A	300	3.81	47.11	7.25	3.55	3.28	2.80
3.81mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation - Black Color											
651—1707421	C	MCV 1.5/ 2-G-3.81 P26 THR	2	8A	300	3.81	9.01	9.20	.78	.69	.62
651—1908923	C	MCV 1.5/ 3-G-3.81 THT	3	8A	300	3.81	12.82	9.20	1.89	1.74	1.39
651—1707447	C	MCV 1.5/ 4-G-3.81 P26 THR	4	8A	300	3.81	16.63	9.20	1.47	1.33	1.19
651—1908949	C	MCV 1.5/ 5-G-3.81 THT	5	8A	300	3.81	20.44	9.20	1.71	1.59	1.27
651—1908952	C	MCV 1.5/ 6-G-3.81 THT	6	8A	300	3.81	24.25	9.20	2.04	1.89	1.51
651—1908965	C	MCV 1.5/ 7-G-3.81 THT	7	8A	300	3.81	28.06	9.20	2.38	2.20	1.76
651—1908978	C	MCV 1.5/ 8-G-3.81 THT	8	8A	300	3.81	31.87	9.20	2.73	2.53	2.02
651—1908981	C	MCV 1.5/ 9-G-3.81 THT	9	8A	300	3.81	35.68	9.20	3.06	2.84	2.27
651—1908994	C	MCV 1.5/ 10-G-3.81 THT	10	8A	300	3.81	39.49	9.20	3.40	3.15	2.52
651—1909003	C	MCV 1.5/ 11-G-3.81 THT	11	8A	300	3.81	43.30	9.20	3.75	3.48	2.78
651—1909016	C	MCV 1.5/ 12-G-3.81 THT	12	8A	300	3.81	47.11	9.20	4.10	3.80	3.04
5.08mm PCB Terminal Block Headers - 90° Socket-to-Pin Orientation - Black Color											
651—1902741	D	MSTBA 2.5/ 2-G-5.08-THT	2	10A	300	5.08	12.16	8.90	.53	.49	.42
651—1902754	D	MSTBA 2.5/ 3-G-5.08-THT	3	10A	300	5.08	17.24	8.90	.79	.73	.63
651—1902767	D	MSTBA 2.5/ 4-G-5.08-THT	4	10A	300	5.08	22.32	8.90	1.08	1.00	.85
651—1902770	D	MSTBA 2.5/ 5-G-5.08-THT	5	10A	300	5.08	27.40	8.90	1.33	1.23	1.05
651—1902783	D	MSTBA 2.5/ 6-G-5.08-THT	6	10A	300	5.08	32.48	8.90	1.59	1.47	1.25
651—1902796	D	MSTBA 2.5/ 7-G-5.08-THT	7	10A	300	5.08	37.56	8.90	1.86	1.72	1.47
651—1902806	D	MSTBA 2.5/ 8-G-5.08-THT	8	10A	300	5.08	42.64	8.90	2.11	1.95	1.66
5.08mm PCB Terminal Block Headers - 180° Socket-to-Pin Orientation - Black Color											
651—1902819	E	MSTBVA 2.5/ 2-G-5.08-THT	2	10A	300	5.08	12.16	12.20	.53	.49	.42
651—1902822	E	MSTBVA 2.5/ 3-G-5.08-THT	3	10A	300	5.08	17.24	12.20	.79	.73	.63
651—1902835	E	MSTBVA 2.5/ 4-G-5.08-THT	4	10A	300	5.08	22.32	12.20	1.08	1.00	.85
651—1902848	E	MSTBVA 2.5/ 5-G-5.08-THT	5	10A	300	5.08	27.40	12.20	1.33	1.23	1.05
651—1902851	E	MSTBVA 2.5/ 6-G-5.08-THT	6	10A	300	5.08	32.48	12.20	1.59	1.47	1.25
651—1902864	E	MSTBVA 2.5/ 7-G-5.08-THT	7	10A	300	5.08	37.56	12.20	1.86	1.72	1.47
651—1902877	E	MSTBVA 2.5/ 8-G-5.08-THT	8	10A	300	5.08	42.64	12.20	2.11	1.95	1.66

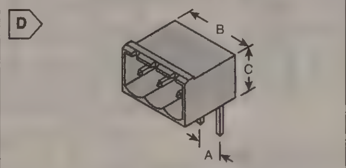
The Steps for the Pin-In-Paste Procedure

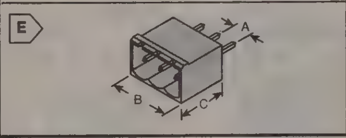












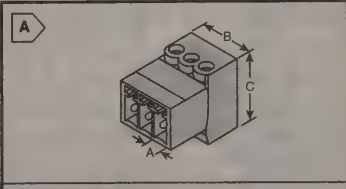
3.81MM AND 5.08MM INVERTED PLUGS

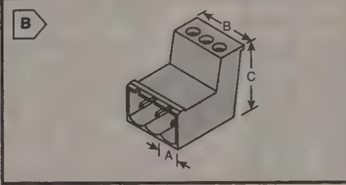
- Mates with standard plugs for cable to cable connections
- Plugs have male pin contacts
- RoHS Compliant per Phoenix documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

3.81mm Terminal Block Inverted Plugs - 180° Socket-to-Pin Orientation - Green Color - 30-14 AWG											
651—1857883	A	IMC 1,5/ 2-ST-3,81	2	8A	300	3.81	8.41	11.10	2.49	2.30	1.96
651—1857896	A	IMC 1,5/ 3-ST-3,81	3	8A	300	3.81	12.22	11.10	3.72	3.44	2.93
651—1857906	A	IMC 1,5/ 4-ST-3,81	4	8A	300	3.81	16.03	11.10	4.98	4.60	3.92
651—1857919	A	IMC 1,5/ 5-ST-3,81	5	8A	300	3.81	19.84	11.10	6.23	5.75	4.91
651—1857922	A	IMC 1,5/ 6-ST-3,81	6	8A	300	3.81	23.65	11.10	7.45	6.88	5.86
651—1857948	A	IMC 1,5/ 8-ST-3,81	8	8A	300	3.81	27.46	11.10	9.98	9.21	7.85
651—1857964	A	IMC 1,5/10-ST-3,81	10	8A	300	3.81	35.08	11.10	12.44	11.49	9.79
651—1857980	A	IMC 1,5/12-ST-3,81	12	8A	300	3.81	42.70	11.10	14.92	13.77	11.74
5.08mm Terminal Block Inverted Plugs - 180° Socket-to-Pin Orientation - Green Color - 30-12 AWG											
651—1786174	B	IC 2,5/ 2-ST-5,08	2	10A	300	5.08	11.66	15.00	2.20	2.03	1.73
651—1786187	B	IC 2,5/ 3-ST-5,08	3	10A	300	5.08	16.74	15.00	3.33	3.07	2.62
651—1786190	B	IC 2,5/ 4-ST-5,08	4	10A	300	5.08	21.82	15.00	4.42	4.08	3.48
651—1786200	B	IC 2,5/ 5-ST-5,08	5	10A	300	5.08	26.90	15.00	5.52	5.09	4.34
651—1786213	B	IC 2,5/ 6-ST-5,08	6	10A	300	5.08	31.98	15.00	6.63	6.12	5.22
651—1786239	B	IC 2,5/ 8-ST-5,08	8	10A	300	5.08	37.06	15.00	8.81	8.13	6.93
651—1786255	B	IC 2,5/ 10-ST-5,08	10	10A	300	5.08	47.22	15.00	11.00	10.16	8.66
651—1786271	B	IC 2,5/12-ST-5,08	12	10A	300	5.08	57.38	15.00	13.22	12.20	10.40





PHOENIX CONTACT 5.08mm and 3.5mm Terminal Blocks

PHOENIX CONTACT
INSPIRING INNOVATIONS

RoHS Compliant This page of product is compliant.

HIGH TEMPERATURE PCB HEADERS FOR THROUGH HOLE REFLOW PROCESSES

Features:
- RoHS Compliant per Phoenix documentation
- COMBICON THR (Through Hole Reflow) headers are engineered to withstand the heat of the SMT soldering process
- Eliminates the need for time-consuming secondary wave or hand soldering
- Insulating Material: CC Series Header - (LCP) suitable for use in lead-free solder processes
- Insulating Material: MC Series Header - (PA-F) suitable for use in lead-free solder processes
- Mates with standard plugs
- "PIN-In-PASTE" mounting procedure
- Tape and Reel versions available upon request
- Color: Black

RoHS Compliant

5.08mm Headers

- Pin Length: 2.6mm

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Current Rating	Voltage Rating	Dimensions (mm.)			Price Each		
Mfr.	Mfr. Part No.						A	B	C	1	10	50
Horizontal - Closed												
651	**1954919**	A	CCA 2.5/2-G-5.08P26THR	2	10A	300	5.08	11.96	8.6	**.43**	**.40**	**.34**
651	**1954922**	A	CCA 2.5/3-G-5.08P26THR	3	10A	300	5.08	17.04	8.6	**.65**	**.60**	**.51**
651	**1954935**	A	CCA 2.5/4-G-5.08P26THR	4	10A	300	5.08	22.12	8.6	**1.08**	**1.00**	**.85**
651	**1954948**	A	CCA 2.5/5-G-5.08P26THR	5	10A	300	5.08	27.20	8.6	**1.29**	**1.19**	**1.02**
651	**1954951**	A	CCA 2.5/6-G-5.08P26THR	6	10A	300	5.08	32.28	8.6	**1.51**	**1.39**	**1.19**
651	**1954977**	A	CCA 2.5/7-G-5.08P26THR	7	10A	300	5.08	37.36	8.6	**1.73**	**1.59**	**1.36**
651	**1954980**	A	CCA 2.5/8-G-5.08P26THR	8	10A	300	5.08	42.44	8.6	**1.94**	**1.79**	**1.53**
651	**1954993**	A	CCA 2.5/9-G-5.08P26THR	9	10A	300	5.08	47.52	8.6	**2.16**	**1.99**	**1.70**
651	**1955002**	A	CCA 2.5/10-G-5.08P26THR	10	10A	300	5.08	52.60	8.6	**2.37**	**2.19**	**1.87**
651	**1955015**	A	CCA 2.5/11-G-5.08P26THR	11	10A	300	5.08	57.68	8.6	**2.59**	**2.39**	**2.04**
651	**1955028**	A	CCA 2.5/12-G-5.08P26THR	12	10A	300	5.08	62.76	8.6	**2.29**	**2.12**	**1.80**
Horizontal - Mounting Ears												
651	**1954692**	B	CC 2,5/ 2-GF-5,08 P26THR	2	10A	300	5.08	20.32	8.6	**1.96**	**1.81**	**1.55**
651	**1954702**	B	CC 2,5/ 3-GF-5,08 P26THR	3	10A	300	5.08	25.40	8.6	**2.04**	**1.89**	**1.61**
651	**1954715**	B	CC 2,5/ 4-GF-5,08 P26THR	4	10A	300	5.08	30.48	8.6	**2.73**	**2.52**	**2.14**
651	**1954728**	B	CC 2,5/ 5-GF-5,08 P26THR	5	10A	300	5.08	35.56	8.6	**3.41**	**3.14**	**2.68**
651	**1954731**	B	CC 2.5/6-GF-5.08 P26THR	6	10A	300	5.08	40.64	8.6	**4.09**	**3.77**	**3.22**
651	**1954744**	B	CC 2,5/ 7-GF-5,08 P26THR	7	10A	300	5.08	45.72	8.6	**4.77**	**4.40**	**3.75**
651	**1954757**	B	CC 2,5/ 8-GF-5,08 P26THR	8	10A	300	5.08	50.80	8.6	**5.45**	**5.03**	**4.29**
651	**1954760**	B	CC 2,5/ 9-GF-5,08 P26THR	9	10A	300	5.08	55.88	8.6	**6.13**	**5.66**	**4.82**
651	**1954773**	B	CC 2,5/10-GF-5,08 P26THR	10	10A	300	5.08	60.96	8.6	**6.81**	**6.29**	**5.36**
651	**1954786**	B	CC 2,5/11-GF-5,08 P26THR	11	10A	300	5.08	66.04	8.6	**7.49**	**6.92**	**5.90**
651	**1954799**	B	CC 2,5/12-GF-5,08 P26THR	12	10A	300	5.08	71.12	8.6	**8.18**	**7.55**	**6.43**
Vertical - Closed												
651	**1955853**	C	CCVA 2.5/2-G-5.08P26THR	2	10A	300	5.08	11.96	12	**.51**	**.47**	**.40**
651	**1955866**	C	CCVA 2.5/3-G-5.08P26THR	3	10A	300	5.08	17.04	12	**.77**	**.71**	**.61**
651	**1955879**	C	CCVA 2.5/4-G-5.08P26THR	4	10A	300	5.08	22.12	12	**1.03**	**.95**	**.81**
651	**1955882**	C	CCVA 2.5/5-G-5.08P26THR	5	10A	300	5.08	27.20	12	**1.06**	**.97**	**.83**
651	**1955895**	C	CCVA 2.5/6-G-5.08P26THR	6	10A	300	5.08	32.28	12	**1.26**	**1.16**	**.99**
651	**1955905**	C	CCVA 2.5/7-G-5.08P26THR	7	10A	300	5.08	37.36	12	**1.48**	**1.36**	**1.16**
651	**1955918**	C	CCVA 2.5/8-G-5.08P26THR	8	10A	300	5.08	42.44	12	**1.68**	**1.55**	**1.32**
651	**1955921**	C	CCVA 2.5/9-G-5.08P26THR	9	10A	300	5.08	47.52	12	**1.74**	**1.60**	**1.37**
651	**1955934**	C	CCVA 2.5/10-G-5.08P26THR	10	10A	300	5.08	52.60	12	**1.94**	**1.79**	**1.53**
651	**1955947**	C	CCVA 2.5/11-G-5.08P26THR	11	10A	300	5.08	57.68	12	**2.13**	**1.97**	**1.68**
651	**1955950**	C	CCVA 2.5/12-G-5.08P26THR	12	10A	300	5.08	62.76	12	**2.34**	**2.16**	**1.84**
Vertical - Mounting Ears												
651	**1955633**	D	CCV 2,5/ 2-GF-5,08 P26THR	2	10A	300	5.08	20.32	12	**1.77**	**1.64**	**1.39**
651	**1955646**	D	CCV 2,5/ 3-GF-5,08 P26THR	3	10A	300	5.08	25.40	12	**2.36**	**2.18**	**1.86**
651	**1955659**	D	CCV 2,5/ 4-GF-5,08 P26THR	4	10A	300	5.08	30.48	12	**2.95**	**2.73**	**2.32**
651	**1955662**	D	CCV 2,5/ 5-GF-5,08 P26THR	5	10A	300	5.08	35.56	12	**3.54**	**3.27**	**2.79**
651	**1955675**	D	CCV 2,5/ 6-GF-5,08 P26THR	6	10A	300	5.08	40.64	12	**4.13**	**3.82**	**3.25**
651	**1955688**	D	CCV 2,5/ 7-GF-5,08 P26THR	7	10A	300	5.08	45.72	12	**4.72**	**4.36**	**3.72**
651	**1955691**	D	CCV 2,5/ 8-GF-5,08 P26THR	8	10A	300	5.08	50.80	12	**5.31**	**4.91**	**4.18**
651	**1955701**	D	CCV 2,5/ 9-GF-5,08 P26THR	9	10A	300	5.08	55.88	12	**5.90**	**5.45**	**4.65**
651	**1955714**	D	CCV 2,5/10-GF-5,08 P26THR	10	10A	300	5.08	60.96	12	**6.49**	**6.00**	**5.11**
651	**1955727**	D	CCV 2,5/11-GF-5,08 P26THR	11	10A	300	5.08	66.04	12	**7.09**	**6.54**	**5.58**
651	**1955730**	D	CCV 2,5/12-GF-5,08 P26THR	12	10A	300	5.08	71.12	12	**3.88**	**3.58**	**3.05**

RoHS Compliant

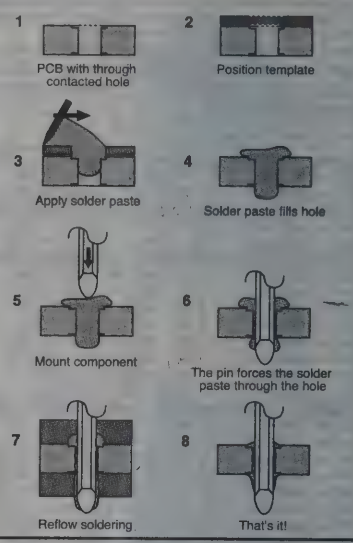
3.5mm Headers

- Pin Length: 3.4mm
- Color: Black

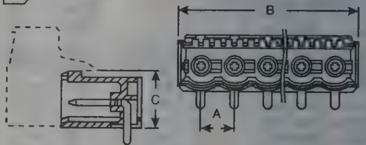
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Current Rating	Voltage Rating	Dimensions (mm.)			Price Each		
Mfr.	Mfr. Part No.						A	B	C	1	10	50
Horizontal - Closed												
651	**1937499**	E	MC 1.5/2-G-3.5 THT	2	8A	300	3.5	8.4	7.25	**.61**	**.57**	**.48**
651	**1937509**	E	MC 1.5/3-G-3.5 THT	3	8A	300	3.5	11.9	7.25	**.89**	**.82**	**.70**
651	**1937512**	E	MC 1.5/4-G-3.5 THT	4	8A	300	3.5	15.4	7.25	**1.18**	**1.09**	**.93**
651	**1937525**	E	MC 1.5/5-G-3.5 THT	5	8A	300	3.5	18.9	7.25	**1.49**	**1.37**	**1.17**
651	**1937538**	E	MC 1.5/6-G-3.5 THT	6	8A	300	3.5	22.4	7.25	**1.77**	**1.64**	**1.39**
651	**1937541**	E	MC 1.5/7-G-3.5 THT	7	8A	300	3.5	25.9	7.25	**2.06**	**1.90**	**1.62**
651	**1937554**	E	MC 1.5/8-G-3.5 THT	8	8A	300	3.5	29.4	7.25	**2.36**	**2.18**	**1.86**
651	**1937567**	E	MC 1.5/9-G-3.5 THT	9	8A	300	3.5	32.9	7.25	**2.58**	**2.38**	**2.03**
651	**1937570**	E	MC 1.5/10-G-3.5 THT	10	8A	300	3.5	36.4	7.25	**2.95**	**2.73**	**2.32**
651	**1937583**	E	MC 1.5/11-G-3.5 THT	11	8A	300	3.5	39.9	7.25	**3.16**	**2.91**	**2.48**
651	**1937596**	E	MC 1.5/12-G-3.5 THT	12	8A	300	3.5	43.4	7.25	**3.55**	**3.28**	**2.80**
Vertical - Closed												
651	**1937606**	F	MCV 1.5/2-G-3.5 THT	2	8A	300	3.5	8.4	9.2	**.61**	**.57**	**.48**
651	**1937619**	F	MCV 1.5/3-G-3.5 THT	3	8A	300	3.5	11.9	9.2	**.89**	**.82**	**.70**
651	**1937622**	F	MCV 1.5/4-G-3.5 THT	4	8A	300	3.5	15.4	9.2	**1.18**	**1.09**	**.93**
651	**1937635**	F	MCV 1.5/5-G-3.5 THT	5	8A	300	3.5	18.9	9.2	**1.49**	**1.37**	**1.17**
651	**1937648**	F	MCV 1.5/6-G-3.5 THT	6	8A	300	3.5	22.4	9.2	**1.77**	**1.64**	**1.39**
651	**1937651**	F	MCV 1.5/7-G-3.5 THT	7	8A	300	3.5	25.9	9.2	**2.06**	**1.90**	**1.62**
651	**1937664**	F	MCV 1.5/8-G-3.5 THT	8	8A	300	3.5	29.4	9.2	**2.36**	**2.18**	**1.86**
651	**1937677**	F	MCV 1.5/9-G-3.5 THT	9	8A	300	3.5	32.9	9.2	**2.66**	**2.45**	**2.09**
651	**1937680**	F	MCV 1.5/10-G-3.5 THT	10	8A	300	3.5	36.4	9.2	**2.86**	**2.64**	**2.25**
651	**1937693**	F	MCV 1.5/11-G-3.5 THT	11	8A	300	3.5	39.9	9.2	**3.16**	**2.91**	**2.48**
651	**1937703**	F	MCV 1.5/12-G-3.5 THT	12	8A	300	3.5	43.4	9.2	**3.55**	**3.28**	**2.80**

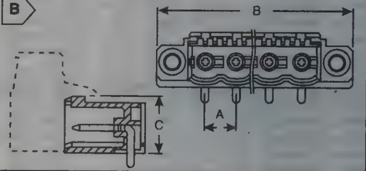
The Steps for the Pin-In-Paste Procedure


1 PCB with through contacted hole
2 Position template
3 Apply solder paste
4 Solder paste fills hole
5 Mount component
6 The pin forces the solder paste through the hole
7 Reflow soldering
8 That's it!

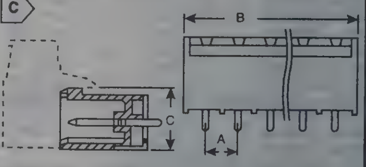
A



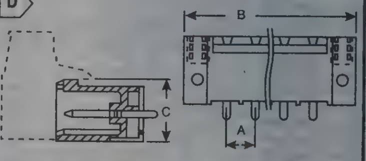
B



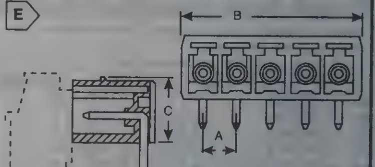
C



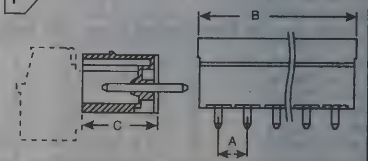
D



E



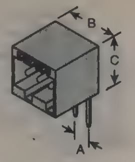
F



PHOENIX CONTACT Pluggable Terminal Blocks

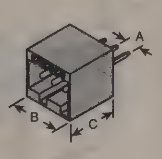
RoHS Compliant **This page of product is compliant.** **(2.5mm & 3.5mm)**

A



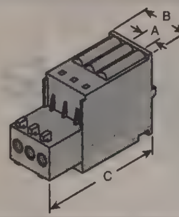
2.5mm Header

B



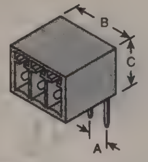
2.5mm Header

C



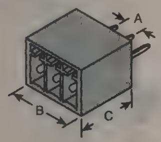
2.5mm Plug

D



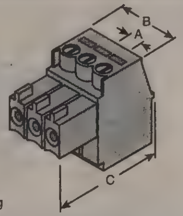
3.5mm Header

E



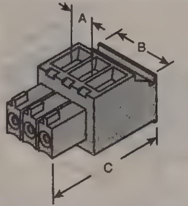
3.5mm Header

F



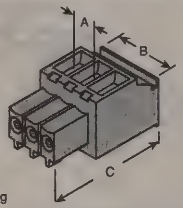
3.5mm Plug

G



3.5mm Plug

H



3.5mm Plug

2.5MM HEADERS

- RoHS Compliant per Phoenix documentation

RoHS Compliant File# E60425

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
2.5mm PCB Terminal Block Headers - 90° Socket-to Pin Orientation UL: 125V @ 4A, Green Color									
651—1881448	A	MC 0.5/2-G-2.5	2	2.5	6.9	8.1	**.60**	**.56**	**.47**
651—1881451	A	MC 0.5/3-G-2.5	3	2.5	9.4	8.1	**.86**	**.80**	**.68**
651—1881464	A	MC 0.5/4-G-2.5	4	2.5	11.9	8.1	**1.15**	**1.06**	**.90**
651—1881477	A	MC 0.5/5-G-2.5	5	2.5	14.4	8.1	**1.41**	**1.30**	**1.11**
651—1881480	A	MC 0.5/6-G-2.5	6	2.5	16.9	8.1	**1.67**	**1.54**	**1.31**
651—1881493	A	MC 0.5/7-G-2.5	7	2.5	19.4	8.1	**1.92**	**1.77**	**1.51**
651—1881503	A	MC 0.5/8-G-2.5	8	2.5	21.9	8.1	**2.19**	**2.02**	**1.72**
651—1881516	A	MC 0.5/9-G-2.5	9	2.5	24.4	8.1	**2.45**	**2.26**	**1.93**
651—1881529	A	MC 0.5/10-G-2.5	10	2.5	26.9	8.1	**2.73**	**2.52**	**2.14**
651—1881545	A	MC 0.5/12-G-2.5	12	2.5	31.9	8.1	**3.26**	**3.01**	**2.56**
2.5mm PCB Terminal Block Headers - 90° Socket-to Pin Orientation UL: 125V @ 4A, Green Color									
651—1881561	B	MCV 0.5/3-G-2.5	3	2.5	9.4	10.1	**.86**	**.80**	**.68**
651—1881574	B	MCV 0.5/4-G-2.5	4	2.5	11.9	10.1	**1.15**	**1.06**	**.90**
651—1881587	B	MCV 0.5/5-G-2.5	5	2.5	14.4	10.1	**1.41**	**1.30**	**1.11**
651—1881590	B	MCV 0.5/6-G-2.5	6	2.5	16.9	10.1	**1.67**	**1.54**	**1.31**
651—1881600	B	MCV 0.5/7-G-2.5	7	2.5	19.4	10.1	**1.92**	**1.77**	**1.51**
651—1881613	B	MCV 0.5/8-G-2.5	8	2.5	21.9	10.1	**2.19**	**2.02**	**1.72**
651—1881626	B	MCV 0.5/9-G-2.5	9	2.5	24.4	10.1	**2.45**	**2.26**	**1.93**
651—1881639	B	MCV 0.5/10-G-2.5	10	2.5	26.9	10.1	**2.60**	**2.40**	**2.05**
651—1881655	B	MCV 0.5/12-G-2.5	12	2.5	31.9	10.1	**3.26**	**3.01**	**2.56**

2.5MM PLUGS

- RoHS Compliant per Phoenix documentation

RoHS Compliant File# E60425

Spring Force Wire Termination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
2.5mm PCB Terminal Block Plugs - 180° Wire-to Plug Orientation UL: 125V @ 4A 28-20AWG, Green Color									
651—1881325	C	FK-MC 0.5/2-ST-2.5	2	2.5	5.6	19.2	**1.93**	**1.78**	**1.52**
651—1881338	C	FK-MC 0.5/3-ST-2.5	3	2.5	8.1	19.2	**2.90**	**2.67**	**2.28**
651—1881341	C	FK-MC 0.5/4-ST-2.5	4	2.5	10.6	19.2	**3.86**	**3.56**	**3.04**
651—1881354	C	FK-MC 0.5/5-ST-2.5	5	2.5	13.1	19.2	**4.83**	**4.45**	**3.80**
651—1881367	C	FK-MC 0.5/6-ST-2.5	6	2.5	15.6	19.2	**5.79**	**5.35**	**4.56**
651—1881370	C	FK-MC 0.5/7-ST-2.5	7	2.5	18.1	19.2	**6.76**	**6.24**	**5.32**
651—1881383	C	FK-MC 0.5/8-ST-2.5	8	2.5	20.6	19.2	**7.72**	**7.13**	**6.08**
651—1881396	C	FK-MC 0.5/9-ST-2.5	9	2.5	23.1	19.2	**8.69**	**8.02**	**6.83**
651—1881406	C	FK-MC 0.5/10-ST-2.5	10	2.5	25.6	19.2	**9.65**	**8.91**	**7.59**
651—1881422	C	FK-MC 0.5/12-ST-2.5	12	2.5	30.6	19.2	**11.58**	**10.69**	**9.11**

3.5MM HEADERS

- RoHS Compliant per Phoenix documentation

RoHS Compliant File# E60425

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
3.5mm PCB Terminal Block Headers - 90° Socket-to Pin Orientation UL: 300V @ 8A, Green Color									
651—1844210	D	MC 1.5/2-G-3.5	2	3.5	8.4	7.25	**.60**	**.56**	**.47**
651—1844223	D	MC 1.5/3-G-3.5	3	3.5	11.9	7.25	**.91**	**.84**	**.71**
651—1844236	D	MC 1.5/4-G-3.5	4	3.5	15.4	7.25	**1.20**	**1.11**	**.95**
651—1844249	D	MC 1.5/5-G-3.5	5	3.5	18.9	7.25	**1.52**	**1.40**	**1.20**
651—1844252	D	MC 1.5/6-G-3.5	6	3.5	22.4	7.25	**1.84**	**1.70**	**1.45**
651—1844265	D	MC 1.5/7-G-3.5	7	3.5	25.9	7.25	**2.12**	**1.96**	**1.67**

3.5MM HEADERS (CONT.)

- RoHS Compliant per Phoenix documentation

RoHS Compliant File# E60425

Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
3.5mm PCB Terminal Block Headers (Cont.) - 90° Socket-to Pin Orientation UL: 300V @ 8A, Green Color									
651—1844278	D	MC 1.5/8-G-3.5	8	3.5	29.4	7.25	**2.41**	**2.22**	**1.89**
651—1844281	D	MC 1.5/9-G-3.5	9	3.5	32.9	7.25	**2.73**	**2.52**	**2.14**
651—1844294	D	MC 1.5/10-G-3.5	10	3.5	36.4	7.25	**3.04**	**2.81**	**2.39**
651—1844317	D	MC 1.5/12-G-3.5	12	3.5	43.4	7.25	**3.66**	**3.37**	**2.88**
3.5mm PCB Terminal Block Headers - 180° Socket-to Pin Orientation UL: 300V @ 8A, Green Color									
651—1843606	E	MCV 1.5/2-G-3.5	2	3.5	8.4	9.2	**.60**	**.56**	**.47**
651—1843619	E	MCV 1.5/3-G-3.5	3	3.5	11.9	9.2	**.92**	**.85**	**.72**
651—1843622	E	MCV 1.5/4-G-3.5	4	3.5	15.4	9.2	**1.20**	**1.11**	**.95**
651—1843635	E	MCV 1.5/5-G-3.5	5	3.5	18.9	9.2	**1.53**	**1.42**	**1.21**
651—1843648	E	MCV 1.5/6-G-3.5	6	3.5	22.4	9.2	**1.84**	**1.70**	**1.45**
651—1843651	E	MCV 1.5/7-G-3.5	7	3.5	25.9	9.2	**2.12**	**1.96**	**1.67**
651—1843664	E	MCV 1.5/8-G-3.5	8	3.5	29.4	9.2	**2.42**	**2.23**	**1.90**
651—1843677	E	MCV 1.5/9-G-3.5	9	3.5	32.9	9.2	**2.75**	**2.54**	**2.16**
651—1843680	E	MCV 1.5/10-G-3.5	10	3.5	36.4	9.2	**3.04**	**2.81**	**2.39**
651—1843693	E	MCV 1.5/11-G-3.5	11	3.5	39.9	9.2	**3.34**	**3.08**	**2.63**
651—1843703	E	MCV 1.5/12-G-3.5	12	3.5	43.4	9.2	**3.66**	**3.37**	**2.88**

3.5MM PLUGS

- RoHS Compliant per Phoenix documentation

RoHS Compliant File# E60425

Screw Clamp Wire Termination

For quantities of 100 and up, call for quote.

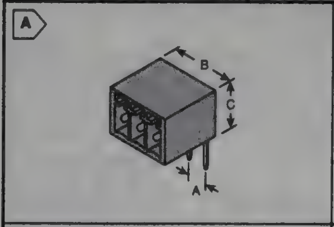
MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
3.5mm PCB Terminal Block Plugs - 180° Wire-to-Plug Orientation UL: 300V @ 8A 30-14AWG, Green Color									
651—1840366	F	MC 1.5/2-ST-3.5	2	3.5	7	15.5	**1.74**	**1.60**	**1.37**
651—1840379	F	MC 1.5/3-ST-3.5	3	3.5	10.5	15.5	**2.59**	**2.39**	**2.04**
651—1840382	F	MC 1.5/4-ST-3.5	4	3.5	14	15.5	**3.44**	**3.18**	**2.71**
651—1840395	F	MC 1.5/5-ST-3.5	5	3.5	17.5	15.5	**4.37**	**4.04**	**3.44**
651—1840405	F	MC 1.5/6-ST-3.5	6	3.5	21	15.5	**5.25**	**4.84**	**4.13**
651—1840418	F	MC 1.5/7-ST-3.5	7	3.5	24.5	15.5	**6.14**	**5.67**	**4.83**
651—1840421	F	MC 1.5/8-ST-3.5	8	3.5	28	15.5	**6.97**	**6.44**	**5.49**
651—1840434	F	MC 1.5/9-ST-3.5	9	3.5	31.5	15.5	**7.86**	**7.25**	**6.18**
651—1840447	F	MC 1.5/10-ST-3.5	10	3.5	35	15.5	**8.75**	**8.08**	**6.89**
651—1840450	F	MC 1.5/11-ST-3.5	11	3.5	38.5	15.5	**9.62**	**8.88**	**7.57**
651—1840463	F	MC 1.5/12-ST-3.5	12	3.5	42	15.5	**10.46**	**9.65**	**8.23**
3.5mm PCB Terminal Block Plugs - 90° Wire-to-Plug Orientation UL: 300V @ 8A 30-14AWG, Green Color									
651—1863152	G	MCVR 1.5/2-ST-3.5	2	3.5	7.8	19.1	**1.70**	**1.57**	**1.34**
651—1863165	G	MCVR 1.5/3-ST-3.5	3	3.5	11.3	19.1	**2.54**	**2.35**	**2.00**
651—1863178	G	MCVR 1.5/4-ST-3.5	4	3.5	14.8	19.1	**3.37**	**3.11**	**2.65**
651—1863181	G	MCVR 1.5/5-ST-3.5	5	3.5	18.3	19.1	**4.25**	**3.92**	**3.34**
651—1863194	G	MCVR 1.5/6-ST-3.5	6	3.5	21.8	19.1	**5.08**	**4.69**	**3.99**
651—1863217	G	MCVR 1.5/8-ST-3.5	8	3.5	28.8	19.1	**6.78**	**6.26**	**5.33**
651—1863233	G	MCVR 1.5/10-ST-3.5	10	3.5	35.8	19.1	**8.47**	**7.82**	**6.67**
3.5mm PCB Terminal Block Plugs - 270° Wire-to-Plug Orientation UL: 300V @ 8A 30-14AWG, Green Color									
651—1862852	H	MCVW 1.5/2-ST-3.5	2	3.5	7.8	19.1	**1.70**	**1.57**	**1.34**
651—1862865	H	MCVW 1.5/3-ST-3.5	3	3.5	11.3	19.1	**2.54**	**2.35**	**2.00**
651—1862878	H	MCVW 1.5/4-ST-3.5	4	3.5	14.8	19.1	**3.37**	**3.11**	**2.65**
651—1862881	H	MCVW 1.5/5-ST-3.5	5	3.5	18.3	19.1	**4.25**	**3.92**	**3.34**
651—1862894	H	MCVW 1.5/6-ST-3.5	6	3.5	21.8	19.1	**5.08**	**4.69**	**3.99**
651—1862917	H	MCVW 1.5/8-ST-3.5	8	3.5	28.8	19.1	**6.78**	**6.26**	**5.33**
651—1862920	H	MCVW 1.5/9-ST-3.5	9	3.5	32.3	19.1	**7.64**	**7.05**	**6.01**
651—1862933	H	MCVW 1.5/10-ST-3.5	10	3.5	35.8	19.1	**8.47**	**7.82**	**6.67**

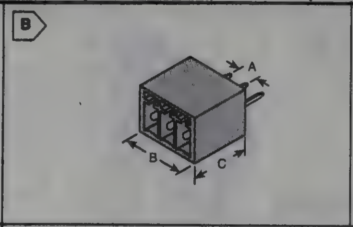
PHOENIX CONTACT Pluggable Terminal Blocks

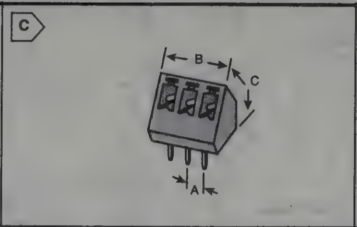
(3.81mm)

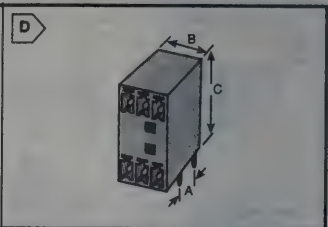
RoHS Compliant This page of product is compliant.

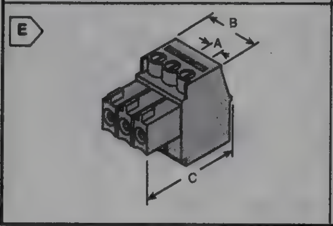
PHOENIX CONTACT
INSPIRING INNOVATIONS

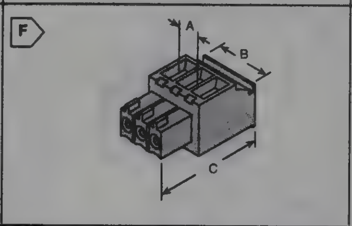


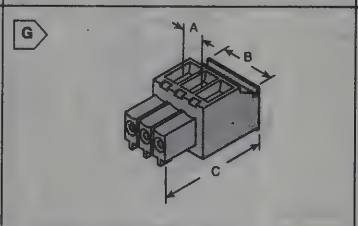


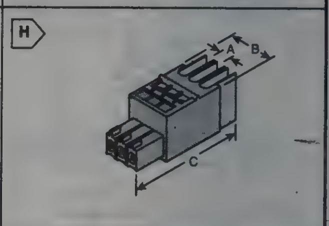












3.81MM HEADERS

- RoHS Compliant per Phoenix documentation
- UL: 300V @ 8A, 30-14 AWG
- Color: Green

File# E60425 RoHS Compliant

PCB, Single Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
90° Socket-to-Pin Orientation										
651	1803277	A	MC 1.5/2-G-3.81	2	3.81	9.01	7.25	.53	.49	.42
651	1803280	A	MC 1.5/3-G-3.81	3	3.81	12.82	7.25	.82	.75	.64
651	1803293	A	MC 1.5/4-G-3.81	4	3.81	16.63	7.25	1.10	1.02	.87
651	1803303	A	MC 1.5/5-G-3.81	5	3.81	20.44	7.25	1.35	1.25	1.06
651	1803316	A	MC 1.5/6-G-3.81	6	3.81	24.25	7.25	1.65	1.52	1.30
651	1803329	A	MC 1.5/7-G-3.81	7	3.81	28.06	7.25	1.92	1.77	1.51
651	1803332	A	MC 1.5/8-G-3.81	8	3.81	31.87	7.25	2.18	2.01	1.72
651	1803345	A	MC 1.5/9-G-3.81	9	3.81	35.68	7.25	2.49	2.30	1.96
651	1803358	A	MC 1.5/10-G-3.81	10	3.81	39.49	7.25	2.73	2.52	2.14
651	1803361	A	MC 1.5/11-G-3.81	11	3.81	43.30	7.25	3.01	2.78	2.37
651	1803374	A	MC 1.5/12-G-3.81	12	3.81	47.11	7.25	3.28	3.03	2.58
651	1803387	A	MC 1.5/13-G-3.81	13	3.81	50.92	7.25	3.55	3.28	2.80
651	1803390	A	MC 1.5/14-G-3.81	14	3.81	54.73	7.25	3.83	3.53	3.01
651	1803400	A	MC 1.5/15-G-3.81	15	3.81	58.54	7.25	4.10	3.78	3.23
651	1803413	A	MC 1.5/16-G-3.81	16	3.81	62.35	7.25	4.36	4.02	3.43
180° Socket-to-Pin Orientation										
651	1803426	B	MCV 1.5/2-G-3.81	2	3.81	9.01	9.2	.53	.49	.42
651	1803439	B	MCV 1.5/3-G-3.81	3	3.81	12.82	9.2	.82	.75	.64
651	1803442	B	MCV 1.5/4-G-3.81	4	3.81	16.63	9.2	1.10	1.02	.87
651	1803455	B	MCV 1.5/5-G-3.81	5	3.81	20.44	9.2	1.35	1.25	1.06
651	1803468	B	MCV 1.5/6-G-3.81	6	3.81	24.25	9.2	1.64	1.51	1.29
651	1803471	B	MCV 1.5/7-G-3.81	7	3.81	28.06	9.2	1.92	1.77	1.51
651	1803484	B	MCV 1.5/8-G-3.81	8	3.81	31.87	9.2	2.16	1.99	1.70
651	1803497	B	MCV 1.5/9-G-3.81	9	3.81	35.68	9.2	2.49	2.30	1.96
651	1803507	B	MCV 1.5/10-G-3.81	10	3.81	39.49	9.2	2.73	2.52	2.14
651	1803510	B	MCV 1.5/11-G-3.81	11	3.81	43.30	9.2	3.01	2.78	2.37
651	1803523	B	MCV 1.5/12-G-3.81	12	3.81	47.11	9.2	3.30	3.05	2.60
651	1803536	B	MCV 1.5/13-G-3.81	13	3.81	50.92	9.2	3.55	3.28	2.80
651	1803549	B	MCV 1.5/14-G-3.81	14	3.81	54.73	9.2	3.83	3.53	3.01
651	1803552	B	MCV 1.5/15-G-3.81	15	3.81	58.54	9.2	4.10	3.78	3.23
651	1803565	B	MCV 1.5/16-G-3.81	16	3.81	62.35	9.2	4.36	4.02	3.43
45° Socket-to-Pin Orientation										
651	1827279	C	SMC 1.5/2-G-3.81	2	3.81	9.01	11	.70	.65	.55
651	1827282	C	SMC 1.5/3-G-3.81	3	3.81	12.82	11	1.00	.92	.79
651	1827295	C	SMC 1.5/4-G-3.81	4	3.81	16.63	11	1.35	1.25	1.06
651	1827305	C	SMC 1.5/5-G-3.81	5	3.81	20.44	11	1.69	1.56	1.33
651	1827318	C	SMC 1.5/6-G-3.81	6	3.81	24.25	11	2.06	1.90	1.62
651	1827321	C	SMC 1.5/7-G-3.81	7	3.81	28.06	11	2.37	2.19	1.87
651	1827334	C	SMC 1.5/8-G-3.81	8	3.81	31.87	11	2.69	2.48	2.12
651	1827347	C	SMC 1.5/9-G-3.81	9	3.81	35.68	11	3.04	2.81	2.39
651	1827350	C	SMC 1.5/10-G-3.81	10	3.81	39.49	11	3.37	3.11	2.65
651	1827376	C	SMC 1.5/12-G-3.81	12	3.81	47.11	11	4.06	3.75	3.20

Double Level, Through-Hole Solder Mounting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
90° Socket-to-Pin Orientation										
651	1843075	D	MCD 1.5/2-G1-3.81	2	12.70	9.01	22.7	1.83	1.69	1.44
651	1843088	D	MCD 1.5/3-G1-3.81	3	12.70	12.82	22.7	2.71	2.51	2.14
651	1843091	D	MCD 1.5/4-G1-3.81	4	12.70	16.63	22.7	3.63	3.35	2.86
651	1843101	D	MCD 1.5/5-G1-3.81	5	12.70	20.44	22.7	4.53	4.18	3.56
651	1843114	D	MCD 1.5/6-G1-3.81	6	12.70	24.25	22.7	5.45	5.03	4.29
651	1843127	D	MCD 1.5/7-G1-3.81	7	12.70	28.06	22.7	6.36	5.87	5.00
651	1843130	D	MCD 1.5/8-G1-3.81	8	12.70	31.87	22.7	7.28	6.72	5.73
651	1843143	D	MCD 1.5/9-G1-3.81	9	12.70	35.68	22.7	8.19	7.56	6.44
651	1843156	D	MCD 1.5/10-G1-3.81	10	12.70	39.49	22.7	9.06	8.36	7.13
651	1843172	D	MCD 1.5/12-G1-3.81	12	12.70	47.11	22.7	10.89	10.05	8.57

3.81MM PLUGS

- RoHS Compliant per Phoenix documentation
- Color: Green
- UL: 300V @ 8A, 30-14 AWG

File# E60425 RoHS Compliant

Screw Clamp Wire Termination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
180° Wire-to-Plug Orientation										
651	1803578	E	MC 1.5/2-ST-3.81	2	3.81	8.41	15.5	1.57	1.45	1.23
651	1803581	E	MC 1.5/3-ST-3.81	3	3.81	12.22	15.5	2.35	2.17	1.85
651	1803594	E	MC 1.5/4-ST-3.81	4	3.81	16.03	15.5	3.11	2.87	2.45
651	1803604	E	MC 1.5/5-ST-3.81	5	3.81	19.84	15.5	3.94	3.64	3.10
651	1803617	E	MC 1.5/6-ST-3.81	6	3.81	23.65	15.5	4.69	4.33	3.69
651	1803620	E	MC 1.5/7-ST-3.81	7	3.81	27.46	15.5	5.52	5.09	4.34
651	1803633	E	MC 1.5/8-ST-3.81	8	3.81	31.27	15.5	6.23	5.75	4.91
651	1803646	E	MC 1.5/9-ST-3.81	9	3.81	35.08	15.5	7.09	6.54	5.58
651	1803659	E	MC 1.5/10-ST-3.81	10	3.81	38.89	15.5	7.82	7.22	6.16
651	1803662	E	MC 1.5/11-ST-3.81	11	3.81	42.07	15.5	8.65	7.99	6.81
651	1803675	E	MC 1.5/12-ST-3.81	12	3.81	46.51	15.5	9.44	8.71	7.42
90° Wire-to-Plug Orientation										
651	1827127	F	MCVR 1.5/2-ST-3.81	2	3.81	8.41	19.1	1.70	1.57	1.34
651	1827130	F	MCVR 1.5/3-ST-3.81	3	3.81	12.22	19.1	2.54	2.35	2.00
651	1827143	F	MCVR 1.5/4-ST-3.81	4	3.81	16.03	19.1	3.37	3.11	2.65
651	1827156	F	MCVR 1.5/5-ST-3.81	5	3.81	19.84	19.1	4.25	3.92	3.34
651	1827169	F	MCVR 1.5/6-ST-3.81	6	3.81	23.65	19.1	5.08	4.69	3.99
651	1827172	F	MCVR 1.5/7-ST-3.81	7	3.81	27.46	19.1	5.93	5.47	4.66
651	1827185	F	MCVR 1.5/8-ST-3.81	8	3.81	31.27	19.1	6.78	6.26	5.33
651	1827198	F	MCVR 1.5/9-ST-3.81	9	3.81	35.08	19.1	7.64	7.05	6.01
651	1827208	F	MCVR 1.5/10-ST-3.81	10	3.81	38.89	19.1	8.47	7.82	6.67
651	1827224	F	MCVR 1.5/12-ST-3.81	12	3.81	46.51	19.1	10.20	9.41	8.02
651	1827237	F	MCVR 1.5/13-ST-3.81	13	3.81	50.32	19.1	11.01	10.17	8.67
651	1827240	F	MCVR 1.5/14-ST-3.81	14	3.81	54.13	19.1	11.88	10.96	9.35
651	1827266	F	MCVR 1.5/16-ST-3.81	16	3.81	61.75	19.1	13.57	12.52	10.68
270° Wire-to-Plug Orientation										
651	1826979	G	MCVW 1.5/2-ST-3.81	2	3.81	8.41	19.1	1.70	1.57	1.34
651	1826982	G	MCVW 1.5/3-ST-3.81	3	3.81	12.22	19.1	2.54	2.35	2.00
651	1826995	G	MCVW 1.5/4-ST-3.81	4	3.81	16.03	19.1	3.37	3.11	2.65
651	1827004	G	MCVW 1.5/5-ST-3.81	5	3.81	19.84	19.1	4.25	3.92	3.34
651	1827017	G	MCVW 1.5/6-ST-3.81	6	3.81	23.65	19.1	5.08	4.69	3.99
651	1827020	G	MCVW 1.5/7-ST-3.81	7	3.81	27.46	19.1	5.93	5.47	4.66
651	1827033	G	MCVW 1.5/8-ST-3.81	8	3.81	31.27	19.1	6.78	6.26	5.33
651	1827046	G	MCVW 1.5/9-ST-3.81	9	3.81	35.08	19.1	7.64	7.05	6.01
651	1827059	G	MCVW 1.5/10-ST-3.81	10	3.81	38.89	19.1	8.47	7.82	6.67
651	1827062	G	MCVW 1.5/11-ST-3.81	11	3.81	42.07	19.1	9.32	8.60	7.34
651	1827075	G	MCVW 1.5/12-ST-3.81	12	3.81	46.51	19.1	10.20	9.41	8.02
651	1827091	G	MCVW 1.5/14-ST-3.81	14	3.81	54.13	19.1	11.88	10.96	9.35
651	1827114	G	MCVW 1.5/16-ST-3.81	16	3.81	61.75	19.1	13.57	12.52	10.68

Insulation Displacement Wire Termination

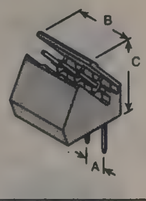
For quantities of 100 and up, call for quote.

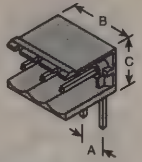
MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
180° Wire-to-Plug Orientation										
651	1897393	H	QC 0.5/2-ST-3.81	2	3.81	8.41	22.3	2.43	2.24	1.91
651	1897403	H	QC 0.5/3-ST-3.81	3	3.81	12.22	22.3	3.66	3.37	2.88
651	1897416	H	QC 0.5/4-ST-3.81	4	3.81	16.03	22.3	4.87	4.50	3.83
651	1897432	H	QC 0.5/6-ST-3.81	6	3.81	23.65	22.3	7.32	6.76	5.76
651	1897458	H	QC 0.5/8-ST-3.81	8	3.81	31.27	22.3	9.78	9.02	7.69
651	1897461	H	QC 0.5/9-ST-3.81	9	3.81	35.08	22.3	10.99	10.15	8.65
651	1897474	H	QC 0.5/10-ST-3.81	10	3.81	38.89	22.3	12.19	11.26	9.60
651	1897487	H	QC 0.5/11-ST-3.81	11	3.81	42.7	22.3	13.42	12.39	10.56
651	1897490	H	QC 0.5/12-ST-3.81	12	3.81	46.51	22.3	14.65	13.52	11.53

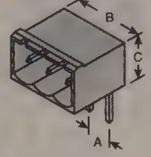
PHOENIX CONTACT Pluggable Terminal Blocks
(5.0mm)

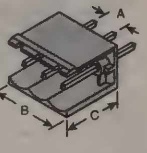
RoHS Compliant **This page of product is compliant.**

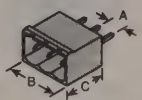
INSPIRING INNOVATIONS

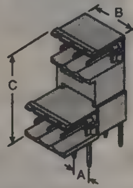
A


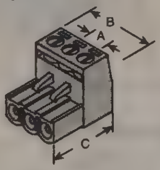
B


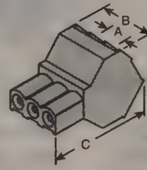
C


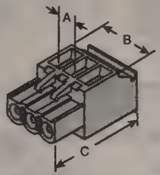
D


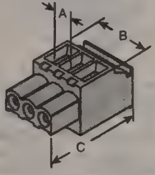
E


F


G


H


I


J


5.0MM HEADERS

- RoHS Compliant per Phoenix documentation
- Color: Green

File# E60425 RoHS Compliant

PCB, Single Level, Thru-Hole Solder Mounting

- UL: 150V @ 15A & 300V @ 10A

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
135° Socket-to-Pin Orientation Without Side Panels									
651—1769230	A	SMSTB 2.5/2-G	2	5	10	14.8	.56	.51	.44
651—1769243	A	SMSTB 2.5/3-G	3	5	15	14.8	.84	.78	.66
651—1769256	A	SMSTB 2.5/4-G	4	5	20	14.8	1.10	1.02	.87
651—1769272	A	SMSTB 2.5/6-G	6	5	30	14.8	1.66	1.53	1.30
651—1769298	A	SMSTB 2.5/8-G	8	5	40	14.8	2.19	2.02	1.72
651—1769308	A	SMSTB 2.5/9-G	9	5	45	14.8	2.45	2.26	1.93
90° Socket-to-Pin Orientation Without Side Panels									
651—1754436	B	MSTB 2.5/2-G	2	5	10	8.6	.47	.43	.37
651—1754452	B	MSTB 2.5/3-G	3	5	15	8.6	.70	.65	.55
651—1754478	B	MSTB 2.5/4-G	4	5	20	8.6	.94	.87	.74
651—1754494	B	MSTB 2.5/5-G	5	5	25	8.6	1.18	1.09	.93
651—1754517	B	MSTB 2.5/6-G	6	5	30	8.6	1.40	1.29	1.10
651—1754533	B	MSTB 2.5/7-G	7	5	35	8.6	1.64	1.51	1.29
651—1754559	B	MSTB 2.5/8-G	8	5	40	8.6	1.86	1.72	1.47
651—1754575	B	MSTB 2.5/9-G	9	5	45	8.6	2.10	1.94	1.65
651—1754591	B	MSTB 2.5/10-G	10	5	50	8.6	2.33	2.15	1.83
651—1754614	B	MSTB 2.5/11-G	11	5	55	8.6	2.58	2.38	2.03
651—1754630	B	MSTB 2.5/12-G	12	5	60	8.6	2.82	2.60	2.22
90° Socket-to-Pin Orientation									
651—1757475	C	MSTBA2.5/2-G	2	5	12	8.6	.47	.43	.37
651—1757488	C	MSTBA2.5/3-G	3	5	17	8.6	.70	.65	.55
651—1757491	C	MSTBA2.5/4-G	4	5	22	8.6	.93	.86	.73
651—1757501	C	MSTBA2.5/5-G	5	5	27	8.6	1.17	1.08	.92
651—1757514	C	MSTBA2.5/6-G	6	5	32	8.6	1.39	1.28	1.09
651—1755493	C	MSTBA2.5/7-G	7	5	37	8.6	1.64	1.51	1.29
651—1757527	C	MSTBA2.5/8-G	8	5	42	8.6	1.85	1.71	1.46
651—1757530	C	MSTBA2.5/9-G	9	5	47	8.6	2.10	1.94	1.65
651—1757543	C	MSTBA2.5/10-G	10	5	52	8.6	2.32	2.14	1.82
651—1757556	C	MSTBA2.5/11-G	11	5	57	8.6	2.58	2.38	2.03
651—1757569	C	MSTBA2.5/12-G	12	5	62	8.6	2.82	2.60	2.22
180° Socket-to-Pin Orientation Without Side Panels									
651—1753437	D	MSTBV 2.5/2-G	2	5	10	12	.47	.43	.37
651—1753453	D	MSTBV 2.5/3-G	3	5	15	12	.70	.65	.55
651—1753479	D	MSTBV 2.5/4-G	4	5	20	12	.94	.87	.74
651—1753495	D	MSTBV 2.5/5-G	5	5	25	12	1.18	1.09	.93
651—1753518	D	MSTBV 2.5/6-G	6	5	30	12	1.40	1.29	1.10
651—1753534	D	MSTBV 2.5/7-G	7	5	35	12	1.64	1.51	1.29
651—1753550	D	MSTBV 2.5/8-G	8	5	40	12	1.86	1.72	1.47
651—1753576	D	MSTBV 2.5/9-G	9	5	45	12	2.10	1.94	1.65
651—1753592	D	MSTBV 2.5/10-G	10	5	50	12	2.33	2.15	1.83
651—1753631	D	MSTBV 2.5/12-G	12	5	60	12	2.82	2.60	2.22
180° Socket-to-Pin Orientation									
651—1755516	E	MSTBVA2.5/2-G	2	5	12	12	.47	.43	.37
651—1755529	E	MSTBVA2.5/3-G	3	5	17	12	.70	.65	.55
651—1755532	E	MSTBVA2.5/4-G	4	5	22	12	.93	.86	.73
651—1755545	E	MSTBVA2.5/5-G	5	5	27	12	1.18	1.09	.93
651—1755558	E	MSTBVA2.5/6-G	6	5	32	12	1.39	1.28	1.09
651—1755561	E	MSTBVA2.5/7-G	7	5	37	12	1.64	1.51	1.29
651—1755574	E	MSTBVA2.5/8-G	8	5	42	12	1.85	1.71	1.46
651—1755587	E	MSTBVA2.5/9-G	9	5	47	12	2.10	1.94	1.65
651—1755503	E	MSTBVA2.5/10-G	10	5	52	12	2.33	2.15	1.83
651—1755590	E	MSTBVA2.5/11-G	11	5	57	12	2.58	2.38	2.03
651—1755600	E	MSTBVA2.5/12-G	12	5	62	12	2.82	2.60	2.22

Double Level, Thru-Hole Solder Mounting

-90° Socket-to-Pin Orientation Without Side Panels: UL: 150V @ 15A									
651—1762046	F	MDSTB 2.5/2-G	2	5	10	23.5	1.70	1.57	1.34
651—1762059	F	MDSTB 2.5/3-G	3	5	15	23.5	2.44	2.25	1.92

5.0MM PLUGS

Screw Clamp Wire Termination

- RoHS Compliant per Phoenix documentation
- UL: 150V @ 15A & 300V @ 10A; 30-12AWG
- Color: Green

File# E60425 RoHS Compliant

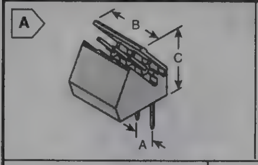
For quantities of 100 and up, call for quote.

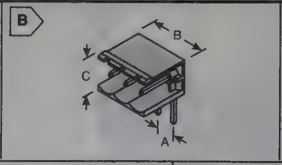
MOUSER STOCK NO.	Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr. Mfr. Part No.				A	B	C	1	10	50
180° Wire-to-Plug Orientation									
651—1754449	G	MSTB 2.5/2-ST	2	5	10	18.2	1.34	1.24	1.05
651—1754465	G	MSTB 2.5/3-ST	3	5	15	18.2	2.01	1.86	1.58
651—1754481	G	MSTB 2.5/4-ST	4	5	20	18.2	2.68	2.47	2.11
651—1754504	G	MSTB 2.5/5-ST	5	5	25	18.2	3.33	3.07	2.62
651—1754520	G	MSTB 2.5/6-ST	6	5	30	18.2	4.00	3.69	3.14
651—1754546	G	MSTB 2.5/7-ST	7	5	35	18.2	4.71	4.35	3.71
651—1754562	G	MSTB 2.5/8-ST	8	5	40	18.2	5.35	4.94	4.21
651—1754588	G	MSTB 2.5/9-ST	9	5	45	18.2	6.04	5.58	4.75
651—1754601	G	MSTB 2.5/10-ST	10	5	50	18.2	6.68	6.16	5.25
651—1754627	G	MSTB 2.5/11-ST	11	5	55	18.2	7.37	6.80	5.80
651—1754643	G	MSTB 2.5/12-ST	12	5	60	18.2	8.05	7.43	6.33
135° Wire-to-Plug Orientation									
651—1768765	H	SMSTB 2.5/2-ST	2	5	10	25.5	1.85	1.71	1.46
651—1768778	H	SMSTB 2.5/3-ST	3	5	15	25.5	2.73	2.52	2.14
651—1768781	H	SMSTB 2.5/4-ST	4	5	20	25.5	3.67	3.39	2.89
651—1768794	H	SMSTB 2.5/5-ST	5	5	25	25.5	4.61	4.26	3.63
651—1768804	H	SMSTB 2.5/6-ST	6	5	30	25.5	5.52	5.09	4.34
651—1768817	H	SMSTB 2.5/7-ST	7	5	35	25.5	6.44	5.94	5.07
651—1768448	H	SMSTB 2.5/8-ST	8	5	40	25.5	7.31	6.75	5.75
651—1768820	H	SMSTB 2.5/9-ST	9	5	45	25.5	8.30	7.66	6.53
651—1768833	H	SMSTB 2.5/10-ST	10	5	50	25.5	9.22	8.51	7.25
651—1768859	H	SMSTB 2.5/12-ST	12	5	60	25.5	11.03	10.18	8.68
90° Wire-to-Plug Orientation									
651—1792016	I	MVSTBR 2.5/2-ST	2	5	10	26	1.57	1.45	1.23
651—1792029	I	MVSTBR 2.5/3-ST	3	5	15	26	2.29	2.12	1.80
651—1792032	I	MVSTBR 2.5/4-ST	4	5	20	26	3.09	2.85	2.43
651—1792045	I	MVSTBR 2.5/5-ST	5	5	25	26	3.87	3.57	3.05
651—1792058	I	MVSTBR 2.5/6-ST	6	5	30	26	4.66	4.30	3.66
651—1792061	I	MVSTBR 2.5/7-ST	7	5	35	26	5.43	5.01	4.27
651—1792074	I	MVSTBR 2.5/8-ST	8	5	40	26	6.19	5.71	4.87
651—1792087	I	MVSTBR 2.5/9-ST	9	5	45	26	6.96	6.42	5.48
651—1792090	I	MVSTBR 2.5/10-ST	10	5	50	26	7.71	7.12	6.07
651—1792100	I	MVSTBR 2.5/11-ST	11	5	55	26	8.52	7.86	6.70
651—1792113	I	MVSTBR 2.5/12-ST	12	5	60	26	9.28	8.56	7.30
270° Wire-to-Plug Orientation									
651—1792524	J	MVSTBW 2.5/2-ST	2	5	10	26	1.57	1.45	1.23
651—1792537	J	MVSTBW 2.5/3-ST	3	5	15	26	2.29	2.12	1.80
651—1792540	J	MVSTBW 2.5/4-ST	4	5	20	26	3.09	2.85	2.43
651—1792553	J	MVSTBW 2.5/5-ST	5	5	25	26	3.87	3.57	3.05
651—1792566	J	MVSTBW 2.5/6-ST	6	5	30	26	4.66	4.30	3.66
651—1792579	J	MVSTBW 2.5/7-ST	7	5	35	26	5.43	5.01	4.27
651—1792582	J	MVSTBW 2.5/8-ST	8	5	40	26	6.19	5.71	4.87
651—1792595	J	MVSTBW 2.5/9-ST	9	5	45	26	6.96	6.42	5.48
651—1792605	J	MVSTBW 2.5/10-ST	10	5	50	26	7.71	7.12	6.07
651—1792621	J	MVSTBW 2.5/12-ST	12	5	60	26	9.28	8.56	7.30

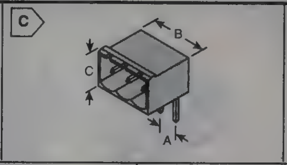
PHOENIX CONTACT Pluggable Terminal Blocks

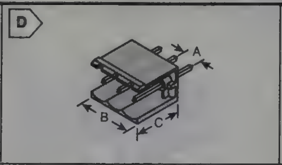
(5.08mm)

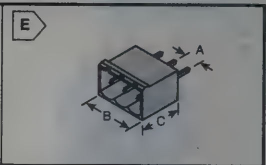
RoHS Compliant This page of product is compliant.

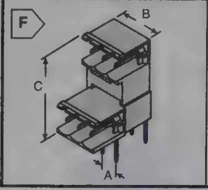


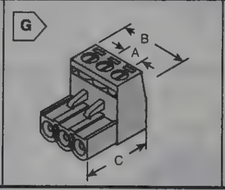


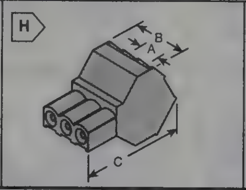


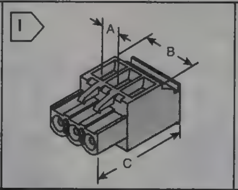


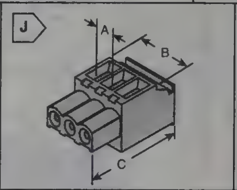


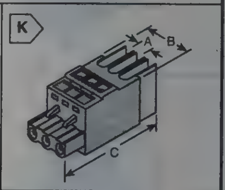












5.08MM HEADERS

PCB, Single Level, Through-Hole Solder Mounting

- RoHS Compliant per Phoenix documentation
- UL: 150V @ 15A & 300V @ 10A
- Color: Green

File# E60425 RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
135° Socket-to-Pin Orientation Without Side Panels										
651	1769463	A	SMSTB 2.5/2-G-5.08	2	5.08	10.16	14.8	**.56**	**.51**	**.44**
651	1769476	A	SMSTB 2.5/3-G-5.08	3	5.08	15.24	14.8	**.84**	**.78**	**.66**
651	1769489	A	SMSTB 2.5/4-G-5.08	4	5.08	20.32	14.8	**1.10**	**1.02**	**.87**
651	1769492	A	SMSTB 2.5/5-G-5.08	5	5.08	25.40	14.8	**1.39**	**1.28**	**1.09**
651	1769502	A	SMSTB 2.5/6-G-5.08	6	5.08	30.48	14.8	**1.66**	**1.53**	**1.30**
651	1769515	A	SMSTB 2.5/7-G-5.08	7	5.08	35.56	14.8	**1.94**	**1.79**	**1.53**
651	1769528	A	SMSTB 2.5/8-G-5.08	8	5.08	40.64	14.8	**2.19**	**2.02**	**1.72**
651	1769544	A	SMSTB 2.5/10-G-5.08	10	5.08	50.80	14.8	**2.71**	**2.51**	**2.14**
651	1769560	A	SMSTB 2.5/12-G-5.08	12	5.08	60.96	14.8	**3.29**	**3.04**	**2.59**
90° Socket-to-Pin Orientation Without Side Panels										
651	1759017	B	MSTB 2.5/2-G-5.08	2	5.08	10.16	8.6	**.44**	**.41**	**.35**
651	1759020	B	MSTB 2.5/3-G-5.08	3	5.08	15.24	8.6	**.68**	**.63**	**.54**
651	1759033	B	MSTB 2.5/4-G-5.08	4	5.08	20.32	8.6	**.91**	**.84**	**.71**
651	1759046	B	MSTB 2.5/5-G-5.08	5	5.08	25.40	8.6	**1.14**	**1.05**	**.89**
651	1759059	B	MSTB 2.5/6-G-5.08	6	5.08	30.48	8.6	**1.34**	**1.24**	**1.05**
651	1759062	B	MSTB 2.5/7-G-5.08	7	5.08	35.56	8.6	**1.57**	**1.45**	**1.23**
651	1759075	B	MSTB 2.5/8-G-5.08	8	5.08	40.64	8.6	**1.79**	**1.66**	**1.41**
651	1759088	B	MSTB 2.5/9-G-5.08	9	5.08	45.72	8.6	**2.02**	**1.87**	**1.59**
651	1759091	B	MSTB 2.5/10-G-5.08	10	5.08	50.80	8.6	**2.24**	**2.06**	**1.76**
651	1759114	B	MSTB 2.5/12-G-5.08	12	5.08	60.96	8.6	**2.70**	**2.49**	**2.13**
90° Socket-to-Pin Orientation										
651	1757242	C	MSTBA2.5/2-G-5.08	2	5.08	12.16	8.6	**.44**	**.41**	**.35**
651	1757255	C	MSTBA2.5/3-G-5.08	3	5.08	17.24	8.6	**.68**	**.63**	**.54**
651	1757268	C	MSTBA2.5/4-G-5.08	4	5.08	22.32	8.6	**.90**	**.83**	**.71**
651	1757271	C	MSTBA2.5/5-G-5.08	5	5.08	27.40	8.6	**1.12**	**1.04**	**.88**
651	1757284	C	MSTBA2.5/6-G-5.08	6	5.08	32.48	8.6	**1.33**	**1.23**	**1.05**
651	1757297	C	MSTBA2.5/7-G-5.08	7	5.08	37.56	8.6	**1.57**	**1.45**	**1.23**
651	1757307	C	MSTBA2.5/8-G-5.08	8	5.08	42.64	8.6	**1.78**	**1.65**	**1.40**
651	1757310	C	MSTBA2.5/9-G-5.08	9	5.08	47.72	8.6	**2.02**	**1.87**	**1.59**
651	1757323	C	MSTBA2.5/10-G-5.08	10	5.08	52.80	8.6	**2.23**	**2.05**	**1.75**
651	1757336	C	MSTBA2.5/11-G-5.08	11	5.08	57.88	8.6	**2.48**	**2.28**	**1.95**
651	1757349	C	MSTBA2.5/12-G-5.08	12	5.08	62.96	8.6	**2.68**	**2.47**	**2.11**
180° Socket-to-Pin Orientation Without Side Panels										
651	1758018	D	MSTBV 2.5/2-G-5.08	2	5.08	10.16	12.0	**.44**	**.41**	**.35**
651	1758021	D	MSTBV 2.5/3-G-5.08	3	5.08	15.24	12.0	**.68**	**.63**	**.54**
651	1758034	D	MSTBV 2.5/4-G-5.08	4	5.08	20.32	12.0	**.90**	**.83**	**.71**
651	1758047	D	MSTBV 2.5/5-G-5.08	5	5.08	25.40	12.0	**1.14**	**1.05**	**.89**
651	1758050	D	MSTBV 2.5/6-G-5.08	6	5.08	30.48	12.0	**1.34**	**1.24**	**1.05**
651	1758063	D	MSTBV 2.5/7-G-5.08	7	5.08	35.56	12.0	**1.57**	**1.45**	**1.23**
651	1758076	D	MSTBV 2.5/8-G-5.08	8	5.08	40.64	12.0	**1.79**	**1.66**	**1.41**
651	1758089	D	MSTBV 2.5/9-G-5.08	9	5.08	45.72	12.0	**2.02**	**1.87**	**1.59**
651	1758092	D	MSTBV 2.5/10-G-5.08	10	5.08	50.80	12.0	**2.24**	**2.06**	**1.76**
651	1758115	D	MSTBV 2.5/12-G-5.08	12	5.08	60.96	12.0	**2.70**	**2.49**	**2.13**
180° Socket-to-Pin Orientation										
651	1755736	E	MSTBVA2.5/2-G-5.08	2	5.08	12.16	12.0	**.44**	**.41**	**.35**
651	1755749	E	MSTBVA2.5/3-G-5.08	3	5.08	17.24	12.0	**.68**	**.63**	**.54**
651	1755752	E	MSTBVA2.5/4-G-5.08	4	5.08	22.32	12.0	**.90**	**.83**	**.71**
651	1755765	E	MSTBVA2.5/5-G-5.08	5	5.08	27.40	12.0	**1.12**	**1.04**	**.88**
651	1755778	E	MSTBVA2.5/6-G-5.08	6	5.08	32.48	12.0	**1.33**	**1.23**	**1.05**
651	1755781	E	MSTBVA2.5/7-G-5.08	7	5.08	37.56	12.0	**1.56**	**1.44**	**1.22**
651	1755794	E	MSTBVA2.5/8-G-5.08	8	5.08	42.64	12.0	**1.78**	**1.65**	**1.40**
651	1755804	E	MSTBVA2.5/9-G-5.08	9	5.08	47.72	12.0	**2.02**	**1.87**	**1.59**
651	1755817	E	MSTBVA2.5/10-G-5.08	10	5.08	52.80	12.0	**2.23**	**2.05**	**1.75**
651	1755820	E	MSTBVA2.5/11-G-5.08	11	5.08	57.88	12.0	**2.48**	**2.28**	**1.95**
651	1755833	E	MSTBVA2.5/12-G-5.08	12	5.08	62.96	12.0	**2.68**	**2.47**	**2.11**

Double Level, Through-Hole Solder Mounting

- RoHS Compliant per Phoenix documentation
- UL: 150V @ 15A & 300V @ 10A
- Color: Green

File# E60425 RoHS Compliant

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
90° Socket-to-Pin Orientation Without Side Panels										
651	1762062	F	MDSTB 2.5/2-G-5.08	2	5.08	10.16	23.5	**1.69**	**1.56**	**1.33**
651	1762075	F	MDSTB 2.5/3-G-5.08	3	5.08	15.24	23.5	**2.44**	**2.25**	**1.92**

5.08MM PLUGS

Screw Clamp Wire Termination

- RoHS Compliant per Phoenix documentation
- UL: 150V @ 15A & 300V @ 10A, 30-12AWG
- Color: Green

File# E60425 RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
180° Wire-to-Plug Orientation										
651	1757019	G	MSTB 2.5/2-ST-5.08	2	5.08	10.16	18.2	**1.31**	**1.21**	**1.03**
651	1757022	G	MSTB 2.5/3-ST-5.08	3	5.08	15.24	18.2	**1.98**	**1.82**	**1.55**
651	1757035	G	MSTB 2.5/4-ST-5.08	4	5.08	20.32	18.2	**2.63**	**2.43**	**2.07**
651	1757048	G	MSTB 2.5/5-ST-5.08	5	5.08	25.40	18.2	**3.26**	**3.01**	**2.56**
651	1757051	G	MSTB 2.5/6-ST-5.08	6	5.08	30.48	18.2	**3.92**	**3.62**	**3.08**
651	1757064	G	MSTB 2.5/7-ST-5.08	7	5.08	35.56	18.2	**4.59**	**4.23**	**3.61**
651	1757077	G	MSTB 2.5/8-ST-5.08	8	5.08	40.64	18.2	**5.21**	**4.81**	**4.10**
651	1757080	G	MSTB 2.5/9-ST-5.08	9	5.08	45.72	18.2	**5.89**	**5.44**	**4.64**
651	1757093	G	MSTB 2.5/10-ST-5.08	10	5.08	50.80	18.2	**6.55**	**6.05**	**5.16**
651	1757103	G	MSTB 2.5/11-ST-5.08	11	5.08	55.88	18.2	**7.23**	**6.68**	**5.69**
651	1757116	G	MSTB 2.5/12-ST-5.08	12	5.08	60.96	18.2	**7.85**	**7.24**	**6.17**
135° Wire-to-Plug Orientation										
651	1826283	H	SMSTB 2.5/2-ST-5.08	2	5.08	10.16	25.5	**1.85**	**1.71**	**1.46**
651	1826296	H	SMSTB 2.5/3-ST-5.08	3	5.08	15.24	25.5	**2.73**	**2.52**	**2.14**
651	1826306	H	SMSTB 2.5/4-ST-5.08	4	5.08	20.32	25.5	**3.67**	**3.39**	**2.89**
651	1826319	H	SMSTB 2.5/5-ST-5.08	5	5.08	25.40	25.5	**4.61**	**4.26**	**3.63**
651	1826322	H	SMSTB 2.5/6-ST-5.08	6	5.08	30.48	25.5	**5.52**	**5.09**	**4.34**
651	1826335	H	SMSTB 2.5/7-ST-5.08	7	5.08	35.56	25.5	**6.44**	**5.94**	**5.07**
651	1826348	H	SMSTB 2.5/8-ST-5.08	8	5.08	40.64	25.5	**7.36**	**6.79**	**5.79**
651	1826351	H	SMSTB 2.5/9-ST-5.08	9	5.08	45.72	25.5	**8.30**	**7.66**	**6.53**
651	1826364	H	SMSTB 2.5/10-ST-5.08	10	5.08	50.80	25.5	**9.22**	**8.51**	**7.25**
651	1826377	H	SMSTB 2.5/11-ST-5.08	11	5.08	55.88	25.5	**10.14**	**9.36**	**7.98**
651	1826380	H	SMSTB 2.5/12-ST-5.08	12	5.08	60.96	25.5	**11.03**	**10.18**	**8.68**
90° Wire-to-Plug Orientation										
651	1792249	I	MVSTBR 2.5/2-ST-5.08	2	5.08	10.16	26.0	**1.56**	**1.44**	**1.22**
651	1792252	I	MVSTBR 2.5/3-ST-5.08	3	5.08	15.24	26.0	**2.28**	**2.11**	**1.80**
651	1792265	I	MVSTBR 2.5/4-ST-5.08	4	5.08	20.32	26.0	**3.08**	**2.84**	**2.42**
651	1792278	I	MVSTBR 2.5/5-ST-5.08	5	5.08	25.40	26.0	**3.87**	**3.57**	**3.05**
651	1792281	I	MVSTBR 2.5/6-ST-5.08	6	5.08	30.48	26.0	**4.66**	**4.30**	**3.66**
651	1792294	I	MVSTBR 2.5/7-ST-5.08	7	5.08	35.56	26.0	**5.43**	**5.01**	**4.27**
651	1792304	I	MVSTBR 2.5/8-ST-5.08	8	5.08	40.64	26.0	**6.19**	**5.71**	**4.87**
651	1792317	I	MVSTBR 2.5/9-ST-5.08	9	5.08	45.72	26.0	**6.96**	**6.42**	**5.48**
651	1792320	I	MVSTBR 2.5/10-ST-5.08	10	5.08	50.80	26.0	**7.71**	**7.12**	**6.07**
651	1792333	I	MVSTBR 2.5/11-ST-5.08	11	5.08	55.88	26.0	**8.52**	**7.86**	**6.70**
651	1792346	I	MVSTBR 2.5/12-ST-5.08	12	5.08	60.96	26.0	**9.28**	**8.56**	**7.30**
270° Wire-to-Plug Orientation										
651	1792757	J	MVSTBW 2.5/2-ST-5.08	2	5.08	10.16	26.0	**1.56**	**1.44**	**1.22**
651	1792760	J	MVSTBW 2.5/3-ST-5.08	3	5.08	15.24	26.0	**2.28**	**2.11**	**1.80**
651	1792773	J	MVSTBW 2.5/4-ST-5.08	4	5.08	20.32	26.0	**3.08**	**2.84**	**2.42**
651	1792786	J	MVSTBW 2.5/5-ST-5.08	5	5.08	25.40	26.0	**3.87**	**3.57**	**3.05**
651	1792799	J	MVSTBW 2.5/6-ST-5.08	6	5.08	30.48	26.0	**4.66**	**4.30**	**3.66**
651	1792809	J	MVSTBW 2.5/7-ST-5.08	7	5.08	35.56	26.0	**5.43**	**5.01**	**4.27**
651	1792812	J	MVSTBW 2.5/8-ST-5.08	8	5.08	40.64	26.0	**6.19**	**5.71**	**4.87**
651	1792825	J	MVSTBW 2.5/9-ST-5.08	9	5.08	45.72	26.0	**6.96**	**6.42**	**5.48**
651	1792838	J	MVSTBW 2.5/10-ST-5.08	10	5.08	50.80	26.0	**7.71**	**7.12**	**6.07**
651	1792841	J	MVSTBW 2.5/11-ST-5.08	11	5.08	55.88	26.0	**8.52**	**7.86**	**6.70**
651	1792854	J	MVSTBW 2.5/12-ST-5.08	12	5.08	60.96	26.0	**9.28**	**8.56**	**7.30**

Insulation Displacement Wire Termination

- RoHS Compliant per Phoenix documentation
- UL: 150V @ 15A & 300V @ 10A, 22-18 AWG
- Color: Green

File# E60425 RoHS Compliant

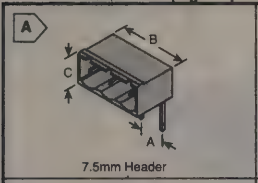
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
180° Wire-to-Plug Orientation										
651	1883255	K	QC 1/2-ST-5.08	2	5.08	10.16	28.2	**2.29**	**2.12**	**1.80**
651	1883268	K	QC 1/3-ST-5.08	3	5.08	15.24	28.2	**3.42**	**3.15**	**2.69**
651	1883271	K	QC 1/4-ST-5.08	4	5.08	20.32	28.2	**4.56**	**4.21**	**3.59**
651	1883284	K	QC 1/5-ST-5.08	5	5.08	25.40	28.2	**5.71**	**5.27**	**4.49**
651	1883297	K	QC 1/6-ST-5.08	6	5.08	30.48	28.2	**6.86**	**6.33**	**5.40**
651	1883307	K	QC 1/7-ST-5.08	7	5.08	35.56	28.2	**8.02**	**7.40**	**6.31**
651	1883310	K	QC 1/8-ST-5.08	8	5.08	40.64	28.2	**9.13**	**8.43**	**7.18**
651	1883336	K	QC 1/10-ST-5.08	10	5.08	50.80	28.2	**11.43**	**10.55**	**9.00**

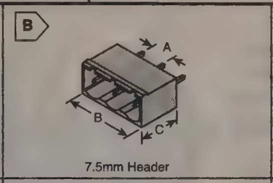
PHOENIX CONTACT Pluggable PCB Terminal Blocks

RoHS Compliant This page of product is compliant. (7.5mm, 7.62mm & 10.16mm)

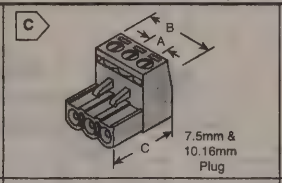
PHOENIX CONTACT
INSPIRING INNOVATIONS

A


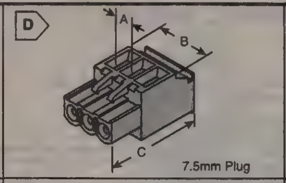
7.5mm Header

B


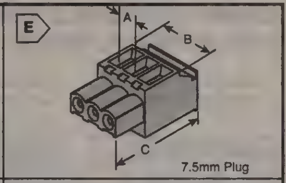
7.5mm Header

C


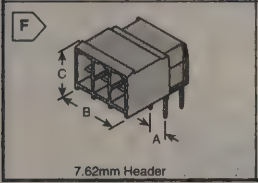
7.5mm & 10.16mm Plug

D


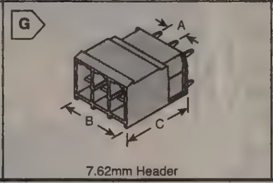
7.5mm Plug

E


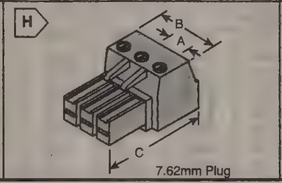
7.5mm Plug

F


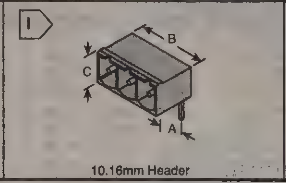
7.62mm Header

G


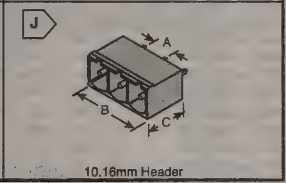
7.62mm Header

H


7.62mm Plug

I


10.16mm Header

J


10.16mm Header

7.5MM HEADERS

Single Level, Through-Hole Solder Mounting

RoHS Compliant File# E60425

- RoHS compliant per Phoenix documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
90° Socket-to-Pin Orientation UL:300V @ 10A, Green Color										
651	1766343	A	GMSTBA 2.5/2-G	2	7.5	15.0	8.6	.86	.80	.68
651	1766356	A	GMSTBA 2.5/3-G	3	7.5	22.5	8.6	1.27	1.17	1.00
651	1766369	A	GMSTBA 2.5/4-G	4	7.5	30.0	8.6	1.68	1.55	1.32
651	1766372	A	GMSTBA 2.5/5-G	5	7.5	37.5	8.6	2.10	1.94	1.65
651	1766385	A	GMSTBA 2.5/6-G	6	7.5	45.0	8.6	2.54	2.35	2.00
651	1766398	A	GMSTBA 2.5/7-G	7	7.5	52.5	8.6	2.95	2.73	2.32
651	1766408	A	GMSTBA 2.5/8-G	8	7.5	60.0	8.6	3.38	3.12	2.66
651	1766411	A	GMSTBA 2.5/9-G	9	7.5	67.5	8.6	3.83	3.53	3.01
651	1766424	A	GMSTBA 2.5/10-G	10	7.5	75.0	8.6	4.25	3.92	3.34
651	1766440	A	GMSTBA 2.5/12-G	12	7.5	90.0	8.6	5.08	4.69	3.99
180° Socket-to-Pin Orientation UL:300V @ 10A, Green Color										
651	1766660	B	GMSTBVA 2.5/2-G	2	7.5	15.0	12.0	.86	.80	.68
651	1766673	B	GMSTBVA 2.5/3-G	3	7.5	22.5	12.0	1.27	1.17	1.00
651	1766686	B	GMSTBVA 2.5/4-G	4	7.5	30.0	12.0	1.68	1.55	1.32
651	1766699	B	GMSTBVA 2.5/5-G	5	7.5	37.5	12.0	2.10	1.94	1.65
651	1766709	B	GMSTBVA 2.5/6-G	6	7.5	45.0	12.0	2.54	2.35	2.00
651	1766712	B	GMSTBVA 2.5/7-G	7	7.5	52.5	12.0	2.95	2.73	2.32
651	1766725	B	GMSTBVA 2.5/8-G	8	7.5	60.0	12.0	3.38	3.12	2.66
651	1766738	B	GMSTBVA 2.5/9-G	9	7.5	67.5	12.0	3.83	3.53	3.01
651	1766741	B	GMSTBVA 2.5/10-G	10	7.5	75.0	12.0	4.25	3.92	3.34
651	1766767	B	GMSTBVA 2.5/12-G	12	7.5	90.0	12.0	5.08	4.69	3.99

7.5MM PLUGS

Screw Clamp Wire Termination

RoHS Compliant File# E60425

- RoHS compliant per Phoenix documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
180° Wire-to-Plug Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
651	1766880	C	GMSTB 2.5/2-ST	2	7.5	13.0	18.2	2.58	2.38	2.03
651	1766893	C	GMSTB 2.5/3-ST	3	7.5	20.5	18.2	3.88	3.58	3.06
651	1766903	C	GMSTB 2.5/4-ST	4	7.5	28.0	18.2	5.17	4.77	4.07
651	1766916	C	GMSTB 2.5/5-ST	5	7.5	35.5	18.2	6.44	5.94	5.07
651	1766929	C	GMSTB 2.5/6-ST	6	7.5	43.0	18.2	7.72	7.13	6.08
651	1766932	C	GMSTB 2.5/7-ST	7	7.5	50.5	18.2	9.00	8.31	7.09
651	1766945	C	GMSTB 2.5/8-ST	8	7.5	58.0	18.2	10.32	9.53	8.12
651	1766958	C	GMSTB 2.5/9-ST	9	7.5	65.5	18.2	11.59	10.70	9.12
651	1766961	C	GMSTB 2.5/10-ST	10	7.5	73.0	18.2	12.91	11.92	10.16
651	1766974	C	GMSTB 2.5/11-ST	11	7.5	80.5	18.2	14.19	13.10	11.17
651	1766987	C	GMSTB 2.5/12-ST	12	7.5	88.0	18.2	15.48	14.29	12.18
90° Wire-to-Plug Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
651	1737709	D	GMVSTBR 2.5/2-ST	2	7.5	13.0	26.0	2.58	2.38	2.03
651	1737712	D	GMVSTBR 2.5/3-ST	3	7.5	20.5	26.0	3.88	3.58	3.06
651	1737725	D	GMVSTBR 2.5/4-ST	4	7.5	28.0	26.0	5.17	4.77	4.07
651	1737738	D	GMVSTBR 2.5/5-ST	5	7.5	35.5	26.0	6.44	5.94	5.07
651	1737741	D	GMVSTBR 2.5/6-ST	6	7.5	43.0	26.0	7.72	7.13	6.08
651	1737767	D	GMVSTBR 2.5/8-ST	8	7.5	58.0	26.0	10.32	9.53	8.12
651	1737806	D	GMVSTBR 2.5/12-ST	12	7.5	88.0	26.0	15.48	14.29	12.18
270° Wire-to-Plug Orientation UL: 300V @ 10A, 30-12AWG, Green Color										
651	1737819	E	GMVSTBW 2.5/2-ST	2	7.5	13.0	26.0	2.58	2.38	2.03
651	1737822	E	GMVSTBW 2.5/3-ST	3	7.5	20.5	26.0	3.88	3.58	3.06
651	1737835	E	GMVSTBW 2.5/4-ST	4	7.5	28.0	26.0	5.17	4.77	4.07
651	1737848	E	GMVSTBW 2.5/5-ST	5	7.5	35.5	26.0	6.44	5.94	5.07
651	1737851	E	GMVSTBW 2.5/6-ST	6	7.5	43.0	26.0	7.72	7.13	6.08
651	1737877	E	GMVSTBW 2.5/8-ST	8	7.5	58.0	26.0	10.32	9.53	8.12
651	1737880	E	GMVSTBW 2.5/9-ST	9	7.5	65.5	26.0	11.59	10.70	9.12
651	1737893	E	GMVSTBW 2.5/10-ST	10	7.5	73.0	26.0	12.91	11.92	10.16
651	1737903	E	GMVSTBW 2.5/11-ST	11	7.5	80.5	26.0	14.19	13.10	11.17
651	1737916	E	GMVSTBW 2.5/12-ST	12	7.5	88.0	26.0	15.48	14.29	12.18

7.62MM HEADERS

Single Level, Through-Hole Solder Mounting

RoHS Compliant File# E60425

- RoHS compliant per Phoenix documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
90° Socket-to-Pin Orientation UL:300V @ 30A and 600V @ 20A, Green Color										
651	1804797	F	PC 4/2-G-7.62	2	7.62	15.22	14.3	2.28	2.11	1.80
651	1804807	F	PC 4/3-G-7.62	3	7.62	22.84	14.3	3.42	3.15	2.69
651	1804810	F	PC 4/4-G-7.62	4	7.62	30.46	14.3	4.51	4.16	3.55
180° Socket-to-Pin Orientation UL:300V @ 30A and 600V @ 20A, Green Color										
651	1804687	G	PCV 4/2-G-7.62	2	7.62	15.22	29.0	2.28	2.11	1.80
651	1804690	G	PCV 4/3-G-7.62	3	7.62	22.84	29.0	3.42	3.15	2.69
651	1804700	G	PCV 4/4-G-7.62	4	7.62	30.46	29.0	4.51	4.16	3.55

7.62MM PLUGS

Screw Clamp Wire Termination

RoHS Compliant File# E60425

- RoHS compliant per Phoenix documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
180° Wire-to-Plug Orientation UL: 600V @ 30A, 30-10AWG, Green Color										
651	1848892	H	PC 4 HV/2-ST-7.62	2	7.62	15.22	35.5	3.51	3.24	2.76
651	1848902	H	PC 4 HV/3-ST-7.62	3	7.62	22.84	35.5	5.29	4.88	4.16
651	1848915	H	PC 4 HV/4-ST-7.62	4	7.62	30.46	35.5	7.03	6.49	5.53

10.16MM HEADERS

Single Level, Through-Hole Solder Mounting

RoHS Compliant File# E60425

- RoHS compliant per Phoenix documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
90° Socket-to-Pin Orientation UL: 300V @ 55A, Green Color										
651	1998933	I	PC 6-16/2-G1-10.16	2	10.16	23.36	13.4	3.77	3.48	2.97
651	1998946	I	PC 6-16/3-G1-10.16	3	10.16	33.52	13.4	5.65	5.22	4.45
651	1998959	I	PC 6-16/4-G1-10.16	4	10.16	43.68	13.4	7.54	6.96	5.93
180° Socket-to-Pin Orientation UL: 300V @ 55A, Green Color										
651	1998784	J	PCV 6-16/2-G1-10.16	2	10.16	23.36	32.0	3.77	3.48	2.97
651	1998797	J	PCV 6-16/3-G1-10.16	3	10.16	33.52	32.0	5.65	5.22	4.45
651	1998807	J	PCV 6-16/4-G1-10.16	4	10.16	43.68	32.0	7.54	6.96	5.93

10.16MM PLUGS

Screw Clamp Wire Termination

RoHS Compliant File# E60425

- RoHS compliant per Phoenix documentation

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Pos.	Dimensions (mm)			Price Each		
Mfr.	Mfr. Part No.				A	B	C	1	10	50
180° Wire-to-Plug Orientation UL: 300V @ 55A, 20-6AWG, Green Color										
651	1967375	C	PC 16/2-ST-10.16	2	10.16	20.16	41.5	6.27	5.79	4.93
651	1967388	C	PC 16/3-ST-10.16	3	10.16	30.32	41.5	9.40	8.68	7.40
651	1967391	C	PC 16/4-ST-10.16	4	10.16	40.48	41.5	12.55	11.58	9.87

PHOENIX CONTACT Pluggable Terminal Blocks

RoHS Compliant This page of product is compliant. **(3.81mm and 5.08mm)**

PHOENIX CONTACT
INSPIRING INNOVATIONS

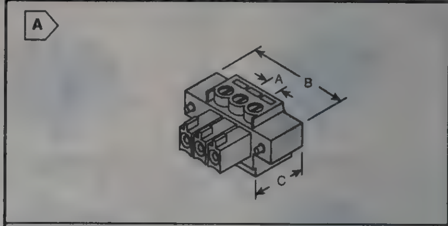
3.81MM PLUGGABLE TERMINAL BLOCKS WITH SCREW FLANGES

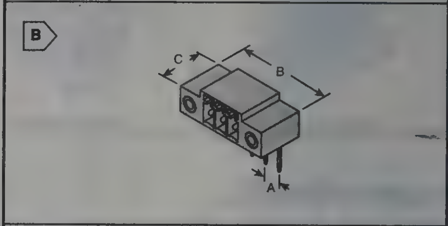
- RoHS Compliant per Phoenix documentation
- Color: Green
- Captivated Screws
- Max. Voltage: 300V
- Max Current: 8A

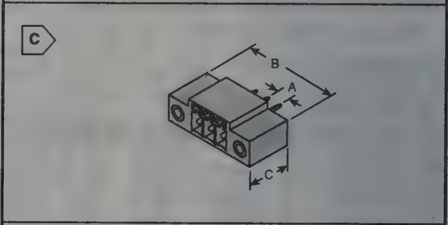
E60425 RoHS Compliant

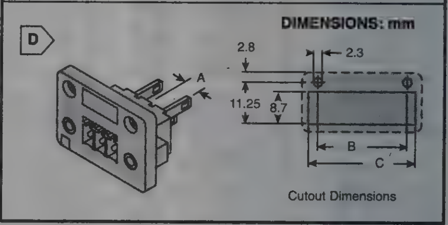
For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50	100
Plugs with Screw Flange - Wire Size: 30-16 AWG - Screw Clamp Wire Termination											
651	1827703	A	MC 1.5/2-STF-3.81	2	3.81	8.41	9.50	1.77	1.64	1.39	1.29
651	1827716	A	MC 1.5/3-STF-3.81	3	3.81	12.22	9.50	2.66	2.45	2.09	1.93
651	1827729	A	MC 1.5/4-STF-3.81	4	3.81	16.03	9.50	3.54	3.27	2.79	2.58
651	1827732	A	MC 1.5/5-STF-3.81	5	3.81	19.84	9.50	4.43	4.09	3.48	3.22
651	1827745	A	MC 1.5/6-STF-3.81	6	3.81	23.65	9.50	5.31	4.91	4.18	3.86
651	1827761	A	MC 1.5/8-STF-3.81	8	3.81	27.46	9.50	7.09	6.54	5.58	5.15
651	1827787	A	MC 1.5/10-STF-3.81	10	3.81	31.27	9.50	8.86	8.18	6.97	6.44
651	1827800	A	MC 1.5/12-STF-3.81	12	3.81	35.08	9.50	10.63	9.81	8.36	7.73
Horizontal Headers with Threaded Flange											
651	1827868	B	MC 1.5/2-GF-3.81	2	3.81	18.01	7.25	1.90	1.75	1.49	1.38
651	1827871	B	MC 1.5/3-GF-3.81	3	3.81	21.82	7.25	2.18	2.01	1.72	1.59
651	1827884	B	MC 1.5/4-GF-3.81	4	3.81	25.63	7.25	2.48	2.28	1.95	1.80
651	1827897	B	MC 1.5/5-GF-3.81	5	3.81	29.44	7.25	2.27	2.10	1.79	1.65
651	1827907	B	MC 1.5/6-GF-3.81	6	3.81	33.25	7.25	2.73	2.52	2.14	1.98
651	1827923	B	MC 1.5/8-GF-3.81	8	3.81	37.06	7.25	3.63	3.35	2.86	2.64
651	1827949	B	MC 1.5/10-GF-3.81	10	3.81	40.87	7.25	4.54	4.19	3.57	3.30
651	1827965	B	MC 1.5/12-GF-3.81	12	3.81	44.68	7.25	5.45	5.03	4.29	3.96
Vertical Headers with Threaded Flange											
651	1830596	C	MCV 1.5/2-GF-3.81	2	3.81	18.01	9.20	1.99	1.83	1.56	1.45
651	1830606	C	MCV 1.5/3-GF-3.81	3	3.81	21.82	9.20	2.29	2.12	1.80	1.67
651	1830619	C	MCV 1.5/4-GF-3.81	4	3.81	25.63	9.20	2.60	2.40	2.05	1.89
651	1830622	C	MCV 1.5/5-GF-3.81	5	3.81	29.44	9.20	2.90	2.67	2.28	2.11
651	1830635	C	MCV 1.5/6-GF-3.81	6	3.81	33.25	9.20	3.22	2.98	2.54	2.35
651	1830651	C	MCV 1.5/8-GF-3.81	8	3.81	37.06	9.20	3.80	3.51	2.99	2.77
651	1830677	C	MCV 1.5/10-GF-3.81	10	3.81	40.87	9.20	4.39	4.06	3.46	3.20
651	1830693	C	MCV 1.5/12-GF-3.81	12	3.81	44.68	9.20	5.02	4.63	3.95	3.65
Panel Feed-Through Headers with Threaded Flange											
651	1829345	D	DFK-MC 1.5/2-GF-3.81	2	3.81	13.81	18.50	2.99	2.76	2.35	2.17
651	1829358	D	DFK-MC 1.5/3-GF-3.81	3	3.81	17.62	22.30	3.71	3.43	2.92	2.70
651	1829361	D	DFK-MC 1.5/4-GF-3.81	4	3.81	21.43	26.10	3.54	3.27	2.79	2.58
651	1829374	D	DFK-MC 1.5/5-GF-3.81	5	3.81	25.24	29.90	4.43	4.09	3.48	3.22
651	1829387	D	DFK-MC 1.5/6-GF-3.81	6	3.81	29.05	33.80	5.31	4.91	4.18	3.86
651	1827596	D	DFK-MC 1.5/8-GF-3.81	8	3.81	36.67	41.40	7.68	7.09	6.04	5.58
651	1829413	D	DFK-MC 1.5/10-GF-3.81	10	3.81	44.29	49.00	8.86	8.18	6.97	6.44
651	1829439	D	DFK-MC 1.5/12-GF-3.81	12	3.81	51.91	56.60	10.65	9.83	8.38	7.75
Mounting Hardware for 3.81 mm Panel Feed-Through Headers- (Requires 2 per header for mounting)											
651	0710015	---	DFK-MC SS	1 ea. of M 2x8 Screw, Washer & Nut				.26	.24	.21	.19









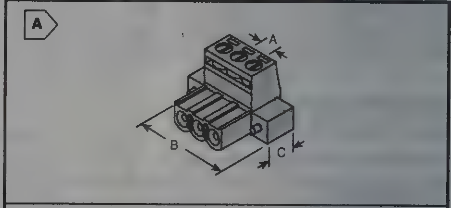
5.08MM PLUGGABLE TERMINAL BLOCKS WITH SCREW FLANGES

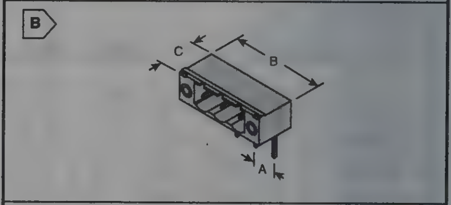
- RoHS Compliant per Phoenix documentation
- Color: Green
- Captivated Screws
- Max. Voltage: 300V
- Max Current: 10A

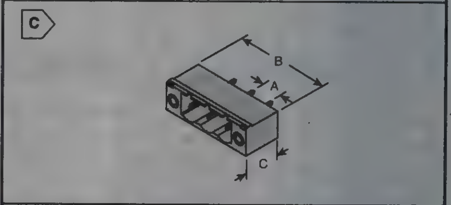
E60425 RoHS Compliant

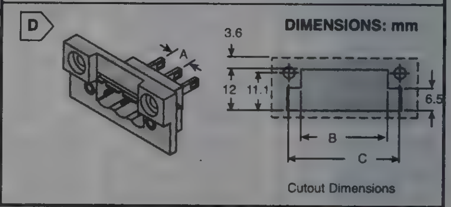
For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	Pos.	Dimensions (mm) A	B	C	Price Each 1	10	50	100
Plugs with Screw Flange - Wire Size: 30-12 AWG - Screw Clamp Wire Termination											
651	1777989	A	MSTB 2.5/2-STF-5.08	2	5.08	10.77	9.90	1.73	1.59	1.36	1.26
651	1777992	A	MSTB 2.5/3-STF-5.08	3	5.08	15.85	9.90	2.55	2.36	2.01	1.86
651	1778001	A	MSTB 2.5/4-STF-5.08	4	5.08	20.93	9.90	3.37	3.11	2.65	2.45
651	1778014	A	MSTB 2.5/5-STF-5.08	5	5.08	26.01	9.90	4.22	3.90	3.32	3.07
651	1778027	A	MSTB 2.5/6-STF-5.08	6	5.08	31.09	9.90	5.05	4.66	3.98	3.67
651	1778043	A	MSTB 2.5/8-STF-5.08	8	5.08	36.17	9.90	6.74	6.23	5.31	4.91
651	1778069	A	MSTB 2.5/10-STF-5.08	10	5.08	41.25	9.90	8.39	7.75	6.60	6.10
Horizontal Headers with Threaded Flange											
651	1776508	B	MSTB 2.5/2-GF-5.08	2	5.08	20.32	8.60	1.32	1.22	1.04	.96
651	1776511	B	MSTB 2.5/3-GF-5.08	3	5.08	25.40	8.60	1.98	1.82	1.55	1.44
651	1776524	B	MSTB 2.5/4-GF-5.08	4	5.08	30.48	8.60	2.63	2.43	2.07	1.92
651	1776537	B	MSTB 2.5/5-GF-5.08	5	5.08	35.56	8.60	3.29	3.04	2.59	2.39
651	1776540	B	MSTB 2.5/6-GF-5.08	6	5.08	40.64	8.60	3.95	3.65	3.11	2.87
651	1776566	B	MSTB 2.5/8-GF-5.08	8	5.08	45.72	8.60	5.27	4.86	4.15	3.83
651	1776582	B	MSTB 2.5/10-GF-5.08	10	5.08	50.80	8.60	6.59	6.08	5.18	4.79
Vertical Headers with Threaded Flange											
651	1777073	C	MSTBV 2.5/2-GF-5.08	2	5.08	20.32	12.00	1.32	1.22	1.04	.96
651	1777086	C	MSTBV 2.5/3-GF-5.08	3	5.08	25.40	12.00	1.98	1.82	1.55	1.44
651	1777099	C	MSTBV 2.5/4-GF-5.08	4	5.08	30.48	12.00	2.63	2.43	2.07	1.92
651	1777109	C	MSTBV 2.5/5-GF-5.08	5	5.08	35.56	12.00	3.29	3.04	2.59	2.39
651	1777112	C	MSTBV 2.5/6-GF-5.08	6	5.08	40.64	12.00	3.95	3.65	3.11	2.87
651	1777138	C	MSTBV 2.5/8-GF-5.08	8	5.08	45.72	12.00	5.27	4.86	4.15	3.83
651	1777154	C	MSTBV 2.5/10-GF-5.08	10	5.08	50.80	12.00	6.59	6.08	5.18	4.79
Panel Feed-Through Headers with Threaded Flange											
651	0710170	D	DFK-MSTB 2.5/2-GF-5.08	2	5.08	13.18	20.32	3.07	2.83	2.41	2.23
651	0710183	D	DFK-MSTB 2.5/3-GF-5.08	3	5.08	18.26	25.40	3.79	3.50	2.98	2.76
651	0710196	D	DFK-MSTB 2.5/4-GF-5.08	4	5.08	23.34	30.48	3.77	3.48	2.97	2.74
651	0710206	D	DFK-MSTB 2.5/5-GF-5.08	5	5.08	28.42	35.56	4.71	4.35	3.71	3.43
651	0710219	D	DFK-MSTB 2.5/6-GF-5.08	6	5.08	33.50	40.64	5.65	5.22	4.45	4.11
651	0710235	D	DFK-MSTB 2.5/8-GF-5.08	8	5.08	43.66	50.80	7.54	6.96	5.93	5.48
651	0710251	D	DFK-MSTB 2.5/10-GF-5.08	10	5.08	53.82	60.96	9.42	8.70	7.42	6.85
Mounting Hardware for 5.08 mm Panel Feed-Through Headers - (Requires 2 per header for mounting)											
651	0708263	---	DFK-MSTB-SS	1 ea. of M 3x10 Screw, Washer & Nut				.26	.24	.21	.19

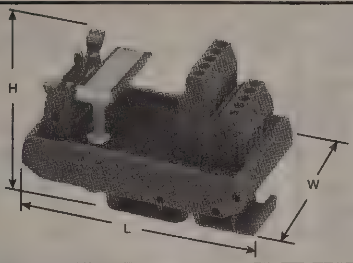




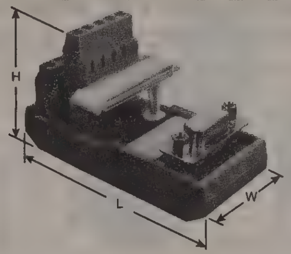




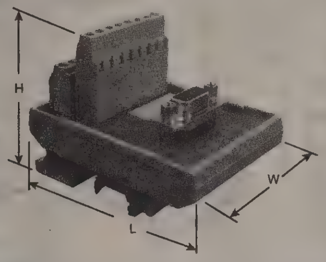
A



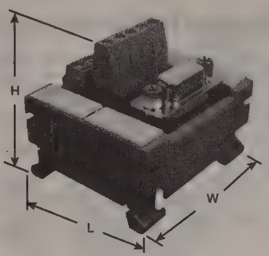
B



C



D



FLKM VARIOFACE MODULES FOR FLAT RIBBON PLUG CONNECTORS

FLK plug connectors connect all signals 1:1 on screw connection terminal blocks. Various housing types combined with double-level variants are available to ensure that the optimum space solution can be found for each application.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	Gender	AWG	Dimension W (mm)	Dimension L (mm)	Dimension H (mm)	Price Each 1	5	10
651	2281018	A	FLKM 10	10	Male	24-12	45	77	59	36.63	32.84	31.22
651	2281021	A	FLKM 14	14	Male	24-12	45	77	59	36.93	34.59	33.02
651	2281034	A	FLKM 16	16	Male	24-12	68	77	59	40.83	37.65	36.43
651	2281047	A	FLKM 20	20	Male	24-12	68	77	59	50.88	45.62	43.38
651	2281050	A	FLKM 26	26	Male	24-12	90	77	59	57.45	51.51	48.98
651	2281063	A	FLKM 34	34	Male	24-12	113	77	59	60.04	55.37	53.57
651	2281076	A	FLKM 40	40	Male	24-12	113	77	59	80.89	72.52	68.95
651	2281089	A	FLKM 50	50	Male	24-12	135	77	59	81.72	76.53	73.05
651	2281092	A	FLKM 60	60	Male	24-12	180	77	59	127.92	114.69	109.05
651	2281102	A	FLKM 64	64	Male	24-12	180	77	59	116.59	107.51	104.02

FLKM D-SUBMINIATURE PLUG MODULES FOR DIN RAIL MOUNTING

These modules connect D-Subminiature connectors in accordance with IEC 807-2/DIN 41652 to screw terminal blocks.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	D-Sub Gender	AWG	Dimension W (mm)	Dimension L (mm)	Dimension H (mm)	Price Each 1	5	10
651	2281186	B	FLKM-D 9 SUB/B	9	Female	24-12	45	77	59	37.31	34.44	33.41
651	2281199	B	FLKM-D 15 SUB/B	15	Female	24-12	68	77	59	53.30	49.20	47.73
651	2281209	B	FLKM-D 25 SUB/B	25	Female	24-12	90	77	59	57.78	53.33	51.74
651	2281212	B	FLKM-D 37 SUB/B	37	Female	24-12	113	77	59	74.76	69.01	66.95
651	2281128	B	FLKM-D 9 SUB/S	9	Male	24-12	45	77	59	37.31	34.44	33.41
651	2281131	B	FLKM-D 15 SUB/S	15	Male	24-12	68	77	59	48.62	44.88	43.54
651	2281144	B	FLKM-D 25 SUB/S	25	Male	24-12	90	77	59	54.38	50.20	48.70
651	2281115	B	FLKM-D 37 SUB/S	37	Male	24-12	113	77	59	74.76	69.01	66.95

FLKM HIGH DENSITY D-SUBMINIATURE PLUG MODULES FOR DIN RAIL MOUNTING

- 1 to 1 connection
- High-density D-Sub connection

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	D-Sub Gender	AWG	Dimension W (mm)	Dimension L (mm)	Dimension H (mm)	Price Each 1	5	10
651	5528367	C	FLKM H DSUB 15/F	15	Female	24-12	57	77	58/72	53.61	51.94	50.36
651	5528341	C	FLKM H DSUB 26/F	26	Female	24-12	79	77	58/72	60.04	55.37	53.57
651	5528370	C	FLKM H DSUB 44/F	44	Female	24-12	135	77	58/72	92.33	91.20	85.50
651	5600454	C	FLKM H DSUB 62/F	62	Female	24-12	180	77	58/72	193.22	187.19	181.51
651	5528383	C	FLKM H DSUB 15/M	15	Male	24-12	57	77	58/72	50.99	47.02	45.59
651	5528354	C	FLKM H DSUB 26/M	26	Male	24-12	79	77	58/72	55.81	54.07	52.43
651	5528325	C	FLKM H DSUB 44/M	44	Male	24-12	135	77	58/72	88.63	85.86	83.26
651	5600437	C	FLKM H DSUB 62/M	62	Male	24-12	180	77	58/72	221.81	210.71	200.18

UM D-SUBMINIATURE PLUG MODULES FOR DIN RAIL MOUNTING

These Compact Line modules connect D-subminiature male or female connectors in accordance with IEC 60 807-2/DIN 41 652 to screw terminal blocks.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Phoenix Type	No. of Pos.	D-Sub Gender	AWG	Dimension W (mm)	Dimension L (mm)	Dimension H (mm)	Price Each 1	5	10
651	2962722	D	UM 45-D 9 SUB/S	9	Female	26-16	54	45	50	36.89	34.52	32.91
651	2962735	D	UM 45-D 15 SUB/S	15	Female	26-16	65	45	50	42.32	41.00	39.76
651	2962748	D	UM 45-D 25 SUB/S	25	Female	26-16	90	45	50	54.45	52.74	51.15
651	2962751	D	UM 45-D 37 SUB/S	37	Female	26-16	121	45	50	64.09	59.10	57.18
651	2962764	D	UM 45-D 50 SUB/S	50	Female	26-16	156	45	50	103.26	100.03	97.00
651	2962777	D	UM 45-D 9 SUB/S	9	Male	26-16	54	45	50	36.89	34.02	32.92
651	2962780	D	UM 45-D 15 SUB/S	15	Male	26-16	65	45	50	42.32	41.00	39.76
651	2962793	D	UM 45-D 25 SUB/S	25	Male	26-16	90	45	50	54.45	52.74	51.15
651	2962803	D	UM 45-D 37 SUB/S	37	Male	26-16	121	45	50	61.90	59.97	58.15
651	2962816	D	UM 45-D 50 SUB/S	50	Male	26-16	156	45	50	103.26	100.03	97.00

DEVICE TERMINAL BLOCKS FOR DIRECT MOUNTING

These G5 & G10 compact terminal blocks are used for main connections in electric and electronic equipment. They provide touch proof shock protection and have interlocking tongues and grooves. Two screws are provided with each.

- RoHS Compliant per Phoenix documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	No. of Pos.	AWG	Voltage Rating	Current Rating	Price Each			
Mfr.	Mfr. Part No.							1	10	50	100
651	2716020	A	G 5/2	2	26 - 10	300	30	2.14	2.03	1.87	1.71
651	2716033	A	G 5/3	3	26 - 10	300	30	3.06	2.90	2.67	2.44
651	2716046	A	G 5/4	4	26 - 10	300	30	3.89	3.68	3.39	3.10
651	2716703	B	G 10/2	2	24 - 6	600	65	5.69	5.40	4.97	4.54
651	2716716	B	G 10/3	3	24 - 6	600	65	8.54	8.10	7.45	6.80
651	2716729	B	G 10/4	4	24 - 6	600	65	11.39	10.80	9.95	9.08

HI CURRENT FEED-THRU TERMINAL BLOCKS FOR PANEL MOUNTING

- RoHS Compliant per Phoenix documentation
- Voltage: Metal Walls 1-2.5mm-400 V max, Metal Walls 2.5-4mm-250 V max, Plastic Walls 1-4mm-400 V max
- Reliable Sealing of Housing Interior
- Automatic Compensation of Wall Thickness
- Very Easy Installation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	AWG	Color	Conductor Connection	Current Rating	Price Each			
Mfr.	Mfr. Part No.							1	10	50	100
651	0707086	C	HDFK 4	24 - 10	Gray	Horizontal	40	4.25	4.03	3.71	3.39
651	0707866	C	HDFK 4 GNYE	24 - 10	Green/Yellow	Horizontal	40	4.25	4.03	3.71	3.39
651	0709026	D	HDFKV 4	24 - 10	Gray	Vertical	40	4.28	4.06	3.74	3.41

VIOK 4 LEVEL SENSOR & ACTUATOR TERM. BLOCKS FOR DIN RAIL MNTG.

- The VIOK 1,5-2D offers 2 feed-Through and 2 Busbar levels
- The VIOK 1,5-3D/PE offers 4 conductor feed-through terminal blocks which serves for the power supply of the VIOK terminal blocks
- Only one terminal block is needed for sensors and actuators
- RoHS Compliant per Phoenix documentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	AWG	Voltage Rating	Current Rating	Width (mm)	Length (mm)	Price Each		
Mfr.	Mfr. Part No.								1	10	50
651	2718015	E	VIOK 1,5	30 - 14	300	15	6.2	62.5	7.66	7.26	6.69
651	2718196	E	VIOK 1,5-2D	30 - 14	300	15	6.2	73	7.43	7.04	6.48
651	2718206	E	VIOK 1,5-3D/PE	30 - 14	300	15	6.2	82.5	9.88	9.37	8.62

UMKRJ SERIES RJ-11/45 MODULE FOR DIN RAIL MOUNTING

The RJ-11/45 module allows the modular jack connection to be converted to discrete wiring. This module is ideal for the use of Ethernet breakouts.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
651	5543643	F	UMK-RJ11/6	Converts 1 RJ11 jack to 6 discrete wire	35.53	32.79	31.81	30.89
651	5543630	F	UMK-RJ11/8	Converts 1 RJ11 jack to 8 discrete wire	37.56	34.67	33.63	32.66
651	5525946	F	UMK-RJ 45/10	Converts 1 RJ45 jack to 10 discrete wire	40.71	37.58	36.45	35.40

VARIOFACE MODULES AS COMPACT POTENTIAL DISTRIBUTORS FOR DIN RAIL MOUNTING

Each module allows potential distribution for two potentials(P1, P2) using spring cage terminals.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	No. of Terminal Connectors	Module Width	AWG	Price Each			
Mfr.	Mfr. Part No.						1	5	10	25
651	2302353	G	UMK-PVB2/16 ZFKDS	16	450	24 - 12	41.72	38.51	37.36	36.28
651	2302366	G	UMK-PVB2/24 ZFKDS	24	67.5	24 - 12	46.10	42.55	41.28	40.09

NEUTRAL / GROUND BUSBAR SYSTEM

Used in Neutral(N), Ground(PE), and Phase Conductors(L1,L2,L3) Terminal Block Connections.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each		
Mfr.	Mfr. Part No.				1	10	50
651	0404017	H	AK 4	Terminal Block Connection without Insulating Cap	.56	.53	.48
651	0421032	H	AKG 4 BK	Terminal Block Conn., Black Insulating Cap for L1, L2, L3	.78	.74	.68
651	0421016	H	AKG 4 BU	Terminal Block Connection, Blue Insulating Cap for N	.78	.74	.68
651	0421029	H	AKG 4 GNYE	Terminal Block Conn., Green-Yellow Insulating Cap for PE	.78	.74	.68
651	0404428	I	AB/SS	Busbar support with screw, 3x10 mm or 6x6mm busbar	1.27	1.21	1.11
651	0404431	J	AB2/SS	Double Busbar Support, 48mm high, 3x10mm or 6x6mm	2.11	2.00	1.84
651	0402174	K	NLS-CU 3/10	Neutral Busbar, 3x10mm, 1m long, Nominal Current: 140A	13.64	12.94	11.91

ACCESSORIES

For Device Terminal Blocks

For quantities of 100 and up, call for quote.

651—1401404	BN WH	Unprinted Marker Pin to use with M-Pen	.15	.14	.13
651—1205053	SZS 0,6 X 3,5	Screwdriver	11.30	10.72	9.87

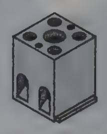
For High Current Feed-Through Terminal Blocks

651—3118135	EBS-10-8	Fully insulated Insertion Bridge, Divisible	4.03	3.82	3.52
651—1205053	SZS 0,6 X 3,5	Screwdriver	11.30	10.72	9.87

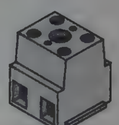
For VIOK Four Level Terminal Blocks

651—0203250	FBI 10-6	10 Position Fixed Bridge, Divisible	5.55	5.26	4.85
651—2715940	EB 80-DIK-BU	80 Position Insertion Bridge, (Middle), Divisible	33.04	30.50	29.59
651—2715953	EB 80-DIK-RD	80 Position Insertion Bridge, (Lower), Divisible	33.04	30.50	29.59

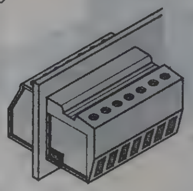
A



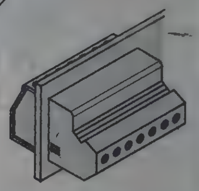
B



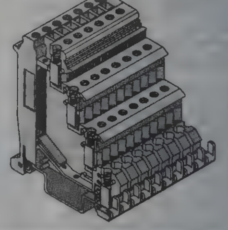
C



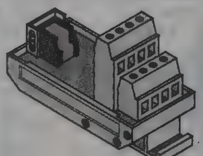
D



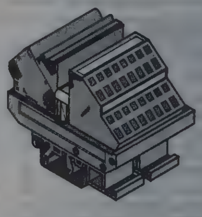
E



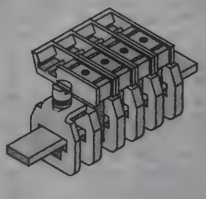
F



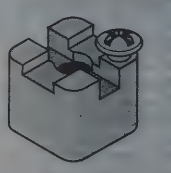
G



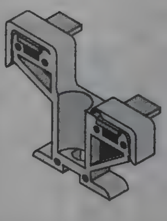
H



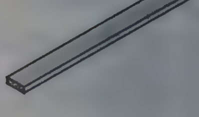
I



J



K



PHOENIX CONTACT Clipline DIN Rail Terminal Blocks

RoHS Compliant **This page of product is compliant.**

PHOENIX CONTACT
INSPIRING INNOVATIONS

CLIPLINE COMPLETE - COMPLETELY PLUGGABLE WITH COMBI

Clipline now includes COMBI, a pluggable connection solution. The COMBI family offers free selection of connection technologies. Through the standardized COMBI plug-in zones, terminal blocks and connectors can be combined independent of the connection system.

RoHS Compliant

Features:

- Touchproof design
- Flexible termination styles
- Reliable connection technologies
- Modular self assembly plugs up to 15 positions
- High current capacity
- Space saving design
- Meets DIN EN 61373, IEC 60068-2-27
- RoHS compliant per Phoenix documentation

COMBI Pluggable Terminal Blocks

* Gr/Yel = Green/Yellow

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Color	AWG	Volt. Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr.	Mfr. Part No.							H	L	W	1	10	50	100
UT-COMBI Pluggable Screw Terminal Blocks														
651	3045017	A	UT 2.5/1P	Gray	26-12	500	24A	47.5	47.6	5.2	.90	.80	.76	.70
651	3045033	A	UT 2.5/1P-PE	Gr/Yel	26-12	---	---	47.5	47.6	5.2	3.30	2.96	2.81	2.56
651	3045583	A	UT 4/1P	Gray	10-12	800	32A	47.5	47.6	6.2	1.28	.94	.88	.80
651	3045606	A	UT 4/1P-PE	Gr/Yel	10-12	---	---	47.5	47.6	6.2	2.66	2.44	2.36	2.29
UT-COMBI Pluggable 3/4-conductor Screw Terminal Blocks														
651	3060257	B	UT 4-TWIN/1P	Gray	26-10	800	32A	47.5	55.7	6.2	1.45	1.33	1.29	1.25
651	3060283	B	UT 4-TWIN/1P-PE	Gr/Yel	26-10	---	---	47.5	55.7	6.2	4.24	3.82	3.64	3.35
651	3060296	B	UT 4-QUATTRI/2P	Gray	26-10	800	32A	47.5	81.4	6.2	1.71	1.57	1.52	1.47
651	3060319	B	UT 4-QUATTRI/2P-PE	Gr/Yel	26-10	---	---	47.5	81.4	6.2	4.94	4.44	4.23	3.90
ST-COMBI Pluggable Spring-cage Terminal Blocks														
651	3040012	C	ST 2.5/1P	Gray	28-12	500	24A	36.5	48.5	5.2	1.07	.96	.91	.83
651	3042133	C	ST 2.5/2P	Gray	28-12	500	24A	36.5	48.5	5.2	.94	.86	.83	.81
651	3040025	C	ST 2.5/1P-PE	Gr/Yel	28-12	---	---	36.5	48.5	5.2	3.83	3.43	3.26	2.97
651	3042146	C	ST 2.5/2P-PE	Gr/Yel	28-12	---	---	36.5	48.5	5.2	2.97	2.72	2.64	2.56
651	3042719	C	ST 4/1P	Gray	28-10	800	32A	36.5	55.8	6.2	1.17	1.07	1.04	1.01
651	3042722	C	ST 4/1P-PE	Gr/Yel	28-10	800	32A	36.5	55.8	6.2	3.50	3.21	3.11	3.01
ST-COMBI Pluggable 3/4-conductor Spring-cage Terminal Blocks														
651	3042117	D	ST 2.5-TWIN/1P	Gray	28-12	500	24A	36.5	60.5	5.2	1.32	1.19	1.13	1.03
651	3042120	D	ST 2.5-TWIN/1P-PE	Gr/Yel	28-12	---	---	36.5	60.5	5.2	3.78	3.39	3.22	2.93
651	3040038	D	ST 2.5-QUATTR/2P	Gray	28-12	500	24A	36.5	81	5.2	1.78	1.59	1.51	1.38
651	3040041	D	ST2.5-QUATTRO/2P-PE	Gr/Yel	28-12	---	---	36.5	81	5.2	5.66	5.08	4.83	4.40
651	3042845	D	ST 4-QUATTRO/2P	Gray	28-10	800	32A	36.5	97.3	6.2	1.91	1.75	1.70	1.64
651	3042858	D	ST 4-QUATTRO/2P-PE	Gr/Yel	28-10			36.5	97.3	6.2	4.95	4.54	4.40	4.26
QT-COMBI Pluggable Direct Connection Terminal Blocks														
651	3050073	E	QTC 1.5/1P	Gray	24-16	500	17.5A	39.3	53.5	5.2	.99	.91	.88	.85
651	3050099	E	QTC 1.5/1P-PE	Gr/Yel	24-16	---	---	39.3	53.5	5.2	3.69	3.38	3.28	3.17

End Covers for COMBI Pluggable Terminal Blocks

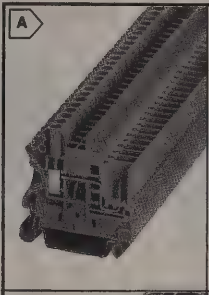
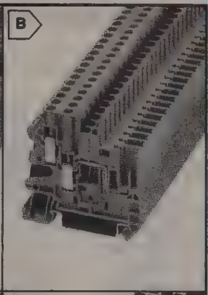
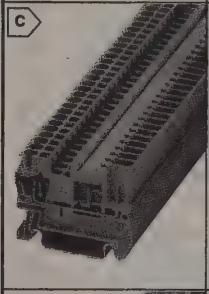
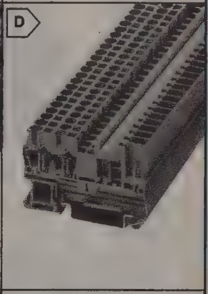
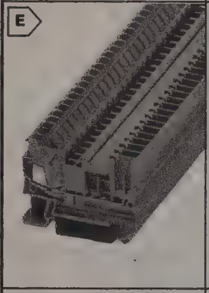
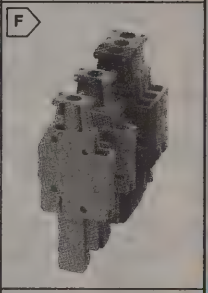
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Phoenix Type	Color	Series	Terminal Blocks (for use with)	Price Each			
Mfr.	Mfr. Part No.					1	10	50	100
651	3047154	D-UT 2.5/1P	Gray	UT	UT 2.5/1P and UT 4/1P	.54	.49	.46	.42
651	3045237	D-UT 4-TWIN/1P	Gray	UT	UT 4-TWIN/1P	.51	.46	.43	.40
651	3045648	D-UT 4-QUATTRO/2P	Gray	UT	UT 4-Quattro	.52	.48	.46	.45
651	3030417	D-ST 2.5	Gray	ST	ST 2.5/1P and ST 2.5/2P	.54	.48	.46	.42
651	3030488	D-ST 2.5-TWIN	Gray	ST	UT 2.5-TWIN/1P	.57	.51	.48	.44
651	3040083	D-ST 2.5-QUATTRO/2P	Gray	ST	UT 2.5-Quattro/2P	.66	.61	.52	.48
651	3030420	D-ST 4	Gray	ST	ST 4/1P	.60	.54	.51	.46
651	3043747	D-ST 4-QUATTRO/2P	Gray	ST	ST 4-Quattro/2P	.48	.44	.43	.42
651	3206322	D-QTC 1.5/1P	Gray	QT	QTC 1.5/1P	.56	.51	.50	.48

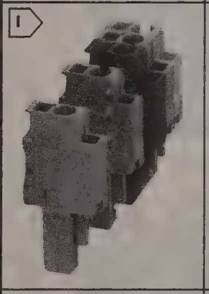
COMBI Plugs

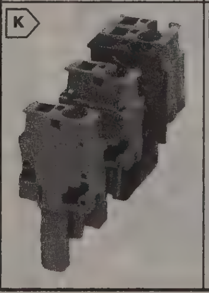
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr.	Mfr. Part No.							H	L	W	1	10	50	100
UT-COMBI - Screw Connection Plug														
651	3045318	F	UPBV 2.5/1-L	Gray	26-14	500	24A	47.0	21.0	5.2	.96	.88	.85	.83
651	3045347	F	UPBV 2.5/1-M	Gray	26-14	500	24A	47.0	21.0	5.2	.96	.88	.85	.83
651	3045376	F	UPBV 2.5/1-R	Gray	26-14	500	24A	47.0	21.0	5.2	.96	.88	.85	.83
651	3045716	G	UPBV 4/1-L	Gray	28-12	800	32A	47.0	21.0	6.2	1.60	1.47	1.42	1.38
651	3045745	G	UPBV 4/1-M	Gray	28-12	800	32A	47.0	21.0	6.2	1.60	1.47	1.42	1.38
651	3045774	G	UPBV 4/1-R	Gray	28-12	800	32A	47.0	21.0	6.2	1.60	1.47	1.42	1.38
651	3060021	H	UP 4/1-L	Gray	24-10	800	32A	41.0	21.0	6.2	1.54	1.41	1.37	1.32
651	3060050	H	UP 4/1-M	Gray	24-10	800	32A	41.0	21.0	6.2	1.54	1.41	1.37	1.32
651	3060089	H	UP 4/1-R	Gray	24-10	800	32A	41.0	21.0	6.2	1.54	1.41	1.37	1.32
ST-COMBI - Spring-cage Connection Plug														
651	3043103	I	SPB 2.5/1-L	Gray	28-12	500	24A	39.0	20.0	5.2	1.07	.98	.95	.92
651	3043132	I	SPB 2.5/1-M	Gray	28-12	500	24A	39.0	20.0	5.2	1.07	.98	.95	.92
651	3043161	I	SPB 2.5/1-R	Gray	28-12	500	24A	39.0	20.0	5.2	1.07	.98	.95	.92
651	3041024	J	SPV 2.5/1-L	Gray	28-12	500	24A	34.0	23.4	5.2	.99	.91	.88	.85
651	3041053	J	SPV 2.5/1-M	Gray	28-12	500	24A	34.0	23.4	5.2	.99	.91	.88	.85
651	3041082	J	SPV 2.5/1-R	Gray	28-12	500	24A	34.0	23.4	5.2	.99	.91	.88	.85
651	3042751	K	SP 4/1-L	Gray	28-10	800	32A	41.5	21.0	6.2	1.64	1.51	1.46	1.42
651	3042780	K	SP 4/1-M	Gray	28-10	800	32A	41.5	21.0	6.2	1.64	1.51	1.46	1.42
651	3042816	K	SP 4/1-R	Gray	28-10	800	32A	41.5	21.0	6.2	1.64	1.51	1.46	1.42
QT-COMBI - Fast Connection Plug														
651	3051014	L	QP 1.5/1-L	Gray	24-16	500	17.5	40.0	20.0	5.2	1.10	1.01	.98	.95
651	3051043	L	QP 1.5/1-M	Gray	24-16	500	17.5	40.0	20.0	5.2	1.10	1.01	.98	.95
651	3051072	L	QP 1.5/1-R	Gray	24-16	500	17.5	40.0	20.0	5.2	1.10	1.01	.98	.95

A

B

C

D

E

F

G

H

I

J

K

L

PHOENIX CONTACT CLIPLINE DIN Rail Terminal Blocks

CLIPLINE COMPLETE - Four Terminal Block Technologies, One Common Line of Accessories

INSPIRING INNOVATIONS

UT UNIVERSAL TERMINAL SCREW CONNECTION

Universal for every application. This screw connection system features a multi-conductor connection and maximum contact forces. The screw connection system is known and accepted throughout the world and can be used in any application.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr.	Mfr. Part No.							H	L	W	1	10	50	100
2-Conductor Feed-Thru Terminal Blocks														
651—	3044076	UT 2.5	A	Gray	26-12	800	32A	47.5	46.9	5.2	.90	.80	.76	.70
651—	3044089	UT 2.5 BU	A	Blue	26-12	800	32A	47.5	46.9	5.2	.90	.80	.76	.70
651—	3045088	UT 2.5 BK	A	Black	26-12	800	32A	47.5	46.9	5.2	.95	.85	.81	.74
651—	3045062	UT 2.5 RD	A	Red	26-12	800	32A	47.5	46.9	5.2	.95	.85	.81	.74
651—	3044102	UT 4	A	Gray	26-10	800	41A	47.5	46.9	6.2	.91	.82	.73	.69
651—	3044115	UT 4 BU	A	Blue	26-10	800	41A	47.5	46.9	6.2	.97	.87	.83	.75
651—	3045143	UT 4 BK	A	Black	26-10	800	41A	47.5	46.9	6.2	1.04	.93	.88	.80
651—	3045127	UT 4 RD	A	Red	26-10	800	41A	47.5	46.9	6.2	1.04	.93	.88	.80
651—	3046184	UT 4-MTD	A	Gray	26-10	800	41A	47.5	56.8	6.2	1.05	.94	.89	.81
651—	3046197	UT 4-MTD BU	A	Blue	26-10	800	41A	47.5	56.8	6.2	1.05	.94	.89	.81
651—	3044131	UT 6	A	Gray	24-8	800	57A	47.5	46.9	8.2	1.29	1.16	1.10	1.00
651—	3044144	UT 6 BU	A	Blue	24-8	800	57A	47.5	46.9	8.2	1.29	1.16	1.10	1.00
651—	3045208	UT 6 BK	A	Black	24-8	800	57A	47.5	46.9	8.2	1.37	1.22	1.16	1.06
651—	3045185	UT 6 RD	A	Red	24-8	800	57A	47.5	46.9	8.2	1.37	1.22	1.16	1.06
651—	3044160	UT 10	A	Gray	20-6	1000	76A	47.5	46.9	10.2	1.83	1.64	1.56	1.42
651—	3044188	UT 10 BU	A	Blue	20-6	1000	76A	47.5	46.9	10.2	1.83	1.64	1.56	1.42
651—	3046320	UT 10 BK	A	Black	20-6	1000	76A	47.5	46.9	10.2	1.93	1.73	1.65	1.50
651—	3046304	UT 10 RD	A	Red	20-6	1000	76A	47.5	46.9	10.2	1.93	1.73	1.65	1.50
651—	3044199	UT 16	A	Gray	16-4	600V	85A	54.8	52.8	12	2.21	1.98	1.88	1.71
651—	3044209	UT 16 BU	A	Blue	16-4	600V	85A	54.8	52.8	12	2.21	1.98	1.88	1.71
651—	3044225	UT 35	A	Gray	14-1/0	600V	150A	65.7	60.2	16	4.77	4.28	4.07	3.70
651—	3044238	UT35 BU	A	Blue	14-1/0	600V	150A	65.7	60.2	16	4.77	4.28	4.07	3.70
Ground Terminal Blocks														
651—	3044092	UT 2.5-PE	B	Gr/Yel	26-12	- - -	- - -	47.5	46.9	5.2	3.30	2.96	2.81	2.56
651—	3044128	UT 4-PE	B	Gr/Yel	26-10	- - -	- - -	47.5	46.9	6.2	3.65	3.27	3.11	2.83
651—	3044157	UT 6-PE	B	Gr/Yel	24-8	- - -	- - -	47.5	46.9	8.2	4.15	3.72	3.54	3.22
651—	3044173	UT 10-PE	B	Gr/Yel	20-6	- - -	- - -	47.5	46.9	10.2	4.60	4.12	3.92	3.57
651—	3046223	UT 4-MTD-PE	B	Gr/Yel	26-10	- - -	- - -	47.5	56.8	6.2	3.76	3.37	3.20	2.92
651—	3044212	UT 16 PE	B	Gr/Yel	16-4	- - -	- - -	54.8	52.8	12	5.20	4.66	4.43	4.03
651—	3044241	UT 35 PE	B	Gr/Yel	14-1/0	- - -	- - -	65.7	60.2	16	7.41	6.64	6.31	5.75
Knife Disconnect Terminal Blocks		*Current and Voltage are determined by the plug used.												
651—	3046139	UT 4-MT	C	Gray	26-10	500	16A	47.5	56.8	6.2	2.62	2.34	2.23	2.03
651—	3046171	UT 4-MT-P/P	C	Gray	26-10	500	16A	47.5	56.8	6.2	2.91	2.61	2.48	2.26
651—	3046142	UT 4-TG	C	Gray	26-10	500*	16A*	47.5	56.8	6.2	2.12	1.90	1.81	1.65
651—	3046168	UT 4-TG-P/P	C	Gray	26-10	500*	16A*	47.5	56.8	6.2	2.36	2.11	2.01	1.83
Fuse Terminal Blocks		*If used as fuse terminal block.												
651—	3046032	UT 4-HESI(5X20)	D	Black	26-10	250*	6.3A	73.0	56.8	6.2	4.84	4.33	4.12	3.75
651—	3046090	UT 4-HESILED 24(5X20)	D	Black	26-10	250*	6.3A	73.0	56.8	6.2	7.82	7.01	6.67	6.07
651—	3046100	UT 4-HESILA 250(5X20)	D	Black	26-10	250*	6.3A	73.0	56.8	6.2	8.02	7.19	6.83	6.22
651—	3046401	UT 6-HESI (6.3X32)	D	Black	24-8	600V	10A	73	56.8	8.2	6.29	5.64	5.36	4.88
651—	3046414	UT 6-HESILED 24(6.3X32)	D	Black	24-8	600V	10A	73	56.8	8.2	11.52	10.33	9.82	8.94
651—	3046430	UT 6-HESILA 250(6.3X32)	D	Black	24-8	600V	10A	73	56.8	8.2	11.52	10.33	9.82	8.94
Pluggable Terminal Blocks														
651—	3045020	UT 2.5/1P BU	E	Blue	26-12	500	24A	47.5	46.4	5.2	.90	.80	.76	.70
Plugs for Disconnect Terminal Blocks		*If used as disconnect terminal block.												
651—	3036796	P-CO	- -	Gray	- - -	400*	6A	21.0	24.0	5.0	3.82	3.43	3.26	2.97
651—	3036806	P-FU 5 X 20	- -	Black	- - -	400*	6.3A	25.0	28.0	6.0	3.56	3.20	3.04	2.77
651—	3036819	P-FU 5 X 20 LED 24	- -	Black	- - -	400*	16A	25.0	28.0	6.0	8.03	7.20	6.84	6.23
651—	3036822	P-FU 5 X 20 LED 60	- -	Black	- - -	400*	16A	25.0	28.0	6.0	8.03	7.20	6.84	6.23
651—	3036835	P-FU 5 X 20 LA 250	- -	Black	- - -	400*	16A	25.0	28.0	6.0	8.03	7.20	6.84	6.23

ST SPRING TERMINAL SPRING-CAGE CONNECTION

The proven connection system for vibration-sensitive applications. The spring cage always exerts a constant force on the conductor regardless of the operator actions. Wiring is simple and is performed via the space-saving front connection.

- RoHS Compliant per Phoenix Documentation

RoHS Compliant

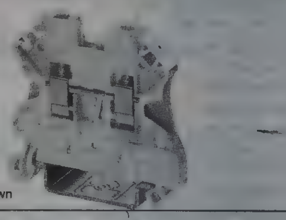
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr.	Mfr. Part No.							H	L	W	1	10	50	100
2-Conductor Feed-Thru Terminal Blocks														
651—	3031076	ST 1.5	F	Gray	26-14	300	15A	36.5	48.5	4.2	.98	.88	.83	.76
651—	3031089	ST 1.5 BU	F	Blue	26-14	300	15A	36.5	48.5	4.2	.98	.88	.83	.76
651—	3031212	ST 2.5	F	Gray	26-12	600	20A	36.5	48.5	5.2	1.07	.96	.91	.83
651—	3031225	ST 2.5 BU	F	Blue	26-12	600	20A	36.5	48.5	5.2	1.07	.96	.91	.83
651—	3031364	ST 4	F	Gray	20-10	600	30A	36.5	56.0	6.2	1.26	1.13	1.08	.98
651—	3031377	ST 4 BU	F	Blue	20-10	600	30A	36.5	56.0	6.2	1.26	1.13	1.08	.98
651—	3031487	ST 6	F	Gray	20-8	600	50A	43.5	69.5	8.2	1.84	1.65	1.57	1.43
651—	3031490	ST 6 BU	F	Blue	20-8	600	50A	43.5	69.5	8.2	1.84	1.65	1.57	1.43
651—	3036110	ST 10	F	Gray	16-6	600	65A	50.5	71.5	10.2	2.24	2.01	1.91	1.74
651—	3036123	ST 10 BU	F	Blue	16-6	600	65A	50.5	71.5	10.2	2.24	2.01	1.91	1.74
3-Conductor Feed-Thru Terminal Blocks														
651—	3031128	ST 1.5-TWIN	G	Gray	26-14	300	15A	36.5	60.5	4.2	1.05	.94	.90	.81
651—	3031131	ST 1.5-TWIN BU	G	Blue	26-14	300	15A	36.5	60.5	4.2	1.05	.94	.90	.81
651—	3031241	ST 2.5-TWIN	G	Gray	26-12	600	20A	36.5	60.5	5.2	1.24	1.11	1.06	.96
651—	3031254	ST 2.5-TWIN BU	G	Blue	26-12	600	20A	36.5	60.5	5.2	1.24	1.11	1.06	.96
651—	3031393	ST 4-TWIN	G	Gray	20-10	600	30A	36.5	71.5	6.2	1.32	1.19	1.13	1.03
651—	3031403	ST 4-TWIN BU	G	Blue	20-10	600	30A	36.5	71.5	6.2	1.32	1.19	1.13	1.03
4-Conductor Feed-Thru Terminal Blocks														
651—	3031186	ST 1.5 QUATTRO	H	Gray	26-14	300	15A	36.5	72.0	4.2	1.23	1.10	1.05	.96
651—	3031199	ST 1.5 QUATTRO BU	H	Blue	26-14	300	15A	36.5	72.0	4.2	1.23	1.10	1.05	.96
651—	3031306	ST 2.5 QUATTRO	H	Gray	26-12	600	20A	36.5	72.0	5.2	1.78	1.59	1.51	1.38
651—	3031319	ST 2.5 QUATTRO BU	H	Blue	26-12	600	20A	36.5	72.0	5.2	1.78	1.59	1.51	1.38
651—	3031445	ST 4 QUATTRO	H	Gray	20-10	600	30A	36.5	87.0	6.2	2.21	1.98	1.88	1.72
651—	3031458	ST 4 QUATTRO BU	H	Blue	20-10	600	30A	36.5	87.0	6.2	2.21	1.98	1.88	1.72

A

UT 2.5 Shown

B



UT 2.5-PE Shown

C

UT 4-MTD Shown

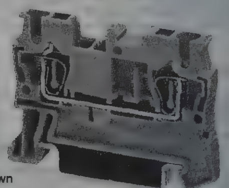
D

UT 4-HESI (5x20) Shown

E

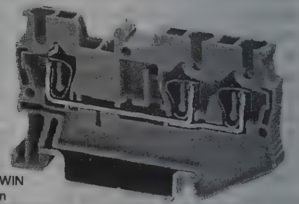
UT 2.5/1P Shown

F



ST 1.5 Shown

G



ST 1.5-TWIN Shown

H

ST 1.5 QUATTRO Shown

MOUSER ELECTRONICS
a tti company

PHOENIX CONTACT CLIPLINE DIN Rail Terminal Blocks

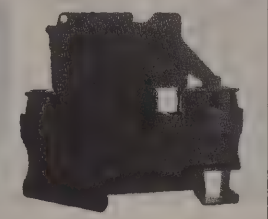
CLIPLINE COMPLETE - Four Terminal Block Technologies, One Common Line of Accessories

A STTB 1.5 Shown

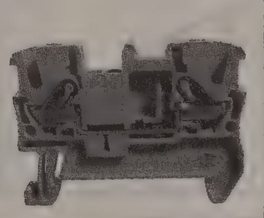
B STS 2.5 Shown

C ST 1.5-PE Shown

D ST 4-HESI (6.3x32) Shown



E DT 2.5 Shown



ST SPRING TERMINAL SPRING-CAGE CONNECTION (CONT.)

The proven connection system for vibration-sensitive applications. The spring cage always exerts a constant force on the conductor regardless of the operator actions. Wiring is simple and is performed via the space-saving front connection.

- RoHS Compliant per Phoenix Documentation

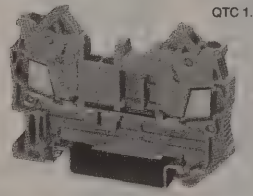
RoHS Compliant

For quantities of 500 and up, call for quote.

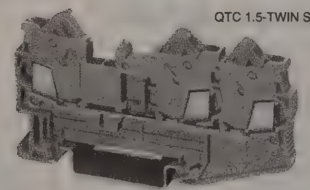
MOUSER STOCK NO.	Phoenix Type	Fig.	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr. Mfr. Part No.							H	L	W	1	10	50	100
Double Level Feed-Thru Terminal Blocks													
651—3031157	STTB 1.5	A	Gray	26-14	300	15A	47.5	67.5	4.2	**1.67**	**1.49**	**1.42**	**1.29**
651—3031270	STTB 2.5	A	Gray	26-12	300	20A	47.5	67.5	5.2	**2.53**	**2.27**	**2.16**	**1.97**
651—3031429	STTB 4	A	Gray	20-10	300	30A	47.5	83.5	6.2	**2.67**	**2.39**	**2.27**	**2.07**
Angled Feed-Thru Terminal Blocks													
651—3036398	STS 2.5	B	Gray	24-12	800	32A	50.5	51.0	5.2	**1.07**	**.96**	**.91**	**.83**
651—3036408	STS 2.5 BU	B	Blue	24-12	800	32A	50.5	51.0	5.2	**1.07**	**.96**	**.91**	**.83**
651—3036424	STS 4	B	Gray	24-10	800	38A	50.5	64.5	6.2	**1.26**	**1.13**	**1.08**	**.98**
651—3036437	STS 4 BU	B	Blue	24-10	800	38A	50.5	64.5	6.2	**1.26**	**1.13**	**1.08**	**.98**
651—3038121	STS 6	B	Gray	24-8	800	50A	57.5	58.0	8.2	**1.84**	**1.65**	**1.57**	**1.43**
651—3038134	STS 6 BU	B	Blue	24-8	800	50A	57.5	58.0	8.2	**1.84**	**1.65**	**1.57**	**1.43**
Ground Terminal Blocks													
651—3031513	ST 1.5-PE	C	Gr/Yel	26-14	- - -	- - -	36.5	48.5	4.2	**3.24**	**2.91**	**2.76**	**2.52**
651—3031238	ST 2.5-PE	C	Gr/Yel	26-12	- - -	- - -	36.5	48.5	5.2	**3.84**	**3.44**	**3.27**	**2.98**
651—3031380	ST 4-PE	C	Gr/Yel	20-10	- - -	- - -	36.5	56.0	6.2	**3.86**	**3.46**	**3.29**	**2.99**
651—3031500	ST 6-PE	C	Gr/Yel	20-8	- - -	- - -	43.5	69.5	8.2	**4.84**	**4.34**	**4.12**	**3.75**
651—3036136	ST 10-PE	C	Gr/Yel	16-6	- - -	- - -	50.5	71.5	10.2	**5.53**	**4.96**	**4.72**	**4.29**
651—3031144	ST 1.5-TWIN-PE	C	Gr/Yel	26-16	- - -	- - -	36.5	60.5	4.2	**4.04**	**3.62**	**3.44**	**3.13**
651—3031267	ST 2.5-TWIN-PE	C	Gr/Yel	26-12	- - -	- - -	36.5	60.5	5.2	**4.37**	**3.92**	**3.73**	**3.39**
651—3031416	ST 4-TWIN-PE	C	Gr/Yel	20-10	- - -	- - -	36.5	71.5	6.2	**4.54**	**4.07**	**3.87**	**3.53**
651—3031209	ST 1.5-QUATTRO-PE	C	Gr/Yel	26-16	- - -	- - -	36.5	72.0	4.2	**4.29**	**3.85**	**3.66**	**3.33**
651—3031322	ST 2.5-QUATTRO-PE	C	Gr/Yel	26-12	- - -	- - -	36.5	72.0	5.2	**5.68**	**5.10**	**4.85**	**4.41**
651—3031461	ST 4-QUATTRO-PE	C	Gr/Yel	20-10	- - -	- - -	36.5	87.0	6.2	**5.74**	**5.15**	**4.90**	**4.46**
651—3036013	STTB 1.5-PE	C	Gr/Yel	26-14	- - -	- - -	47.5	67.5	4.2	**5.49**	**4.92**	**4.68**	**4.26**
651—3036026	STTB 2.5-PE	C	Gr/Yel	26-12	- - -	- - -	47.5	67.5	5.2	**7.83**	**7.02**	**6.68**	**6.08**
651—3036039	STTB 4-PE	C	Gr/Yel	20-10	- - -	- - -	47.5	83.5	6.2	**8.27**	**7.41**	**7.05**	**6.42**
651—3036411	STS 2.5-PE	C	Gr/Yel	24-12	- - -	- - -	50.5	51.0	5.2	**3.84**	**3.44**	**3.27**	**2.98**
651—3036440	STS 4-PE	C	Gr/Yel	24-10	- - -	- - -	50.5	64.5	6.2	**3.86**	**3.46**	**3.29**	**2.99**
651—3038147	STS 6-PE	C	Gr/Yel	24-8	- - -	- - -	57.5	58.0	8.2	**4.84**	**4.34**	**4.12**	**3.75**
Fuse Terminal Blocks		*Current and Voltage are determined by the fuse used.											
651—3036385	ST 4-HESI(6.3X32)	D	Black	24-10	400*	10A*	69.0	76.5	8.2	**6.16**	**5.52**	**5.25**	**4.78**
651—3036369	ST 4-HESI(5X20)	D	Black	24-10	300*	6A *	62.5	61.5	6.2	**5.11**	**4.58**	**4.35**	**3.96**

F DT 2.5-PE Shown

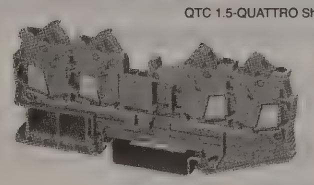
G QTC 1.5 Shown



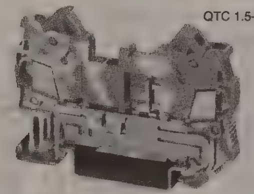
H QTC 1.5-TWIN Shown



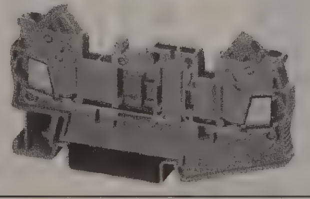
I QTC 1.5-QUATTRO Shown



J QTC 1.5-PE Shown



K



L

DT DIRECT TERMINAL LEG SPRING CONNECTION

Simply insert solid conductors directly into the terminal block. This is the hallmark of the direct insertion system. A screw driver is only required for releasing the conductor. The direct insertion method is of particular advantage in very restricted wiring spaces.

- RoHS Compliant per Phoenix Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

2-Conductor Feed-Thru Terminal Blocks													
651—3034028	DT 2.5	E	Gray	22-12	800	24A	36.5	48.5	5.2	**1.07**	**.96**	**.91**	**.83**
651—3034031	DT 2.5 BU	E	Blue	22-12	800	24A	36.5	48.5	5.2	**1.07**	**.96**	**.91**	**.83**
Ground Terminal Blocks													
651—3034044	DT 2.5-PE	F	Gr/Yel	22-12	- - -	- - -	36.5	48.5	5.2	**3.81**	**3.42**	**3.25**	**2.96**

QT QUICKON TERMINAL FAST CONNECTION

Connect the conductor without having to strip it first. The quick connection system permits a drastic reduction of anything up to 60% in wiring time. The conductor connection is simple, reliable and fast, requiring only the aid of a standard screw driver.

- RoHS Compliant per Phoenix Documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

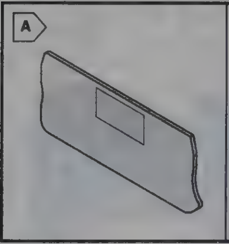
2-Conductor Feed-Thru IDC Terminal Blocks													
651—3205019	QTC 1.5	G	Gray	24-16	800	17.5A	39.3	58.8	5.2	**1.15**	**1.03**	**.98**	**.89**
651—3205022	QTC 1.5 BU	G	Blue	24-16	800	17.5A	39.3	58.8	5.2	**1.15**	**1.03**	**.98**	**.89**
651—3206416	QTC 2.5	G	Gray	20-14	800	24A	39.3	62.6	6.2	**1.28**	**1.15**	**1.09**	**.99**
651—3206429	QTC 2.5 BU	G	Blue	20-14	800	24A	39.3	62.6	6.2	**1.28**	**1.15**	**1.09**	**.99**
3-Conductor Feed-Thru IDC Terminal Blocks		*The max. load current must be < the total current of all connected conductors.											
651—3205048	QTC 1.5-TWIN	H	Gray	24-16	800	17.5A*	39.3	76.4	5.2	**1.67**	**1.49**	**1.42**	**1.29**
651—3205051	QTC 1.5-TWIN BU	H	Blue	24-16	800	17.5A*	39.3	76.4	5.2	**1.67**	**1.49**	**1.42**	**1.29**
4-Conductor Feed-Thru IDC Terminal Blocks		*The max. load current must be < the total current of all connected conductors.											
651—3205077	QTC 1.5-QUATTRO	I	Gray	24-16	800	17.5A*	39.3	94.0	5.2	**2.09**	**1.88**	**1.78**	**1.62**
651—3205080	QTC 1.5-QUATTRO BU	I	Blue	24-16	800	17.5A*	39.3	94.0	5.2	**2.09**	**1.88**	**1.78**	**1.62**
Ground IDC Terminal Blocks													
651—3205035	QTC 1.5-PE	J	Gr/Yel	24-16	- - -	- - -	39.3	58.8	5.2	**3.83**	**3.44**	**3.27**	**2.97**
651—3206432	QTC 2.5-PE	J	Gr/Yel	20-14	- - -	- - -	39.3	62.6	6.2	**4.25**	**3.81**	**3.62**	**3.30**
651—3205064	QTC 1.5-TWIN-PE	J	Gr/Yel	24-16	- - -	- - -	39.3	76.4	5.2	**4.78**	**4.29**	**4.08**	**3.71**
651—3205093	QTC 1.5-QUATTRO-PE	J	Gr/Yel	24-16	- - -	- - -	39.3	94.0	5.2	**5.06**	**4.54**	**4.31**	**3.93**
Disconnect IDC Terminal Blocks		*Current and Voltage are determined by the plug used.											
651—3205145	QTC 1.5-TG	K	Gray	24-16	400*	16A*	39.3	76.4	5.2	**2.66**	**2.38**	**2.27**	**2.06**
Hybrid IDC/Screw Terminal Block													
651—3050044	QTCU 1.5-TWIN	L	Gray	24-16	800	17.5A	42.8	76.4	5.2	**1.25**	**1.12**	**1.06**	**.97**

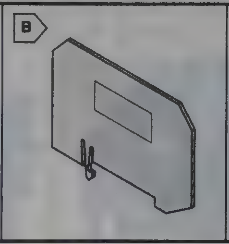
PHOENIX CONTACT CLIPLINE Complete Accessories

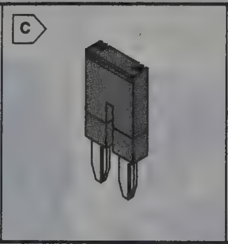
CLIPLINE COMPLETE - Four Terminal Block Technologies, One Common Line of Accessories

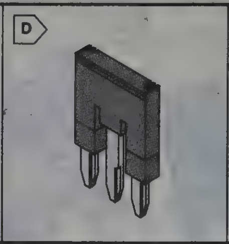
RoHS Compliant

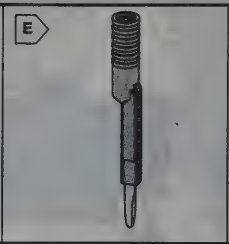
PHOENIX CONTACT *INSPIRING INNOVATIONS*

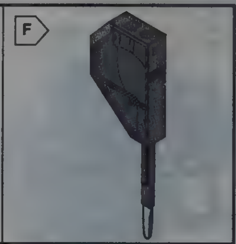












END COVERS

- RoHS compliant per Phoenix documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Color	Series	Description	Price Each			
Mfr.	Mfr. Part No.						1	10	50	100
651	3047028	D-UT 2.5/10	A	Gray	UT	End Cover for UT 2.5, UT4, UT 6, and UT 10 Terminal Blocks	.47	.42	.40	.36
651	3047141	D-UT 2.5/4-TWIN	A	Gray	UT	End Cover for UT 4-MTD Terminal Blocks	.49	.44	.42	.38
651	3047154	D-UT 2.5/1P	A	Gray	UT	End Cover for UT 2.5/1P Terminal Blocks	.54	.49	.46	.42
651	3030417	D-ST 2.5	A	Gray	ST / DT	End Cover for ST 1.5, ST 2.5, DT 2.5 Terminal Blocks	.54	.48	.46	.42
651	3030514	D-ST 2.5-QUATTRO	A	Gray	ST	End Cover for ST 1.5-Quattro, ST 2.5-Quattro Terminal Blocks	.56	.50	.47	.43
651	3030488	D-ST 2.5-TWIN	A	Gray	ST	End Cover for ST-1.5-Twin, ST-2.5-Twin Terminal Blocks	.57	.51	.48	.44
651	3030420	D-ST 4	A	Gray	ST	End Cover for ST 4 Terminal Blocks	.60	.54	.51	.46
651	3030527	D-ST 4-QUATTRO	A	Gray	ST	End Cover for ST 4-Quattro Terminal Blocks	.59	.53	.50	.46
651	3030491	D-ST 4-TWIN	A	Gray	ST	End Cover for ST 4-Twin Terminal Blocks	.58	.52	.49	.45
651	3030433	D-ST 6	A	Gray	ST	End Cover for ST 6 Terminal Blocks	.60	.54	.51	.46
651	3030459	D-STTB 2.5	A	Gray	ST	End Cover for STTB 1.5, STTB 2.5 Terminal Blocks	.58	.52	.49	.45
651	3030462	D-STTB 4	A	Gray	ST	End Cover for STTB 4 Terminal Blocks	.62	.56	.53	.48
651	3031762	D-STS 2.5	A	Gray	ST	End Cover for STS 2.5 Terminal Blocks	.49	.44	.42	.38
651	3031704	D-STS 4	A	Gray	ST	End Cover for STS 4 Terminal Blocks	.54	.48	.46	.42
651	3038189	D-STS 6	A	Gray	ST	End Cover for STS-6 Terminal Blocks	.50	.45	.43	.39
651	3205161	D-QTC 1.5	A	Gray	QT	End Cover for QTC 1.5 Terminal Blocks	.59	.53	.50	.46
651	3205190	D-QTC 1.5-TWIN	A	Gray	QT	End Cover for QTC 1.5-Twin, QTC 1.5-TG Terminal Blocks	.60	.54	.51	.46
651	3205174	D-QTC 1.5-QUATTRO	A	Gray	QT	End Cover for QTC-1.5-Quattro Terminal Blocks	.61	.55	.52	.47
651	3206568	D-QTC 2.5	A	Gray	QT	End Cover for QTC 2.5 Terminal Blocks	.59	.53	.50	.46

SEPARATING PLATES

- RoHS compliant per Phoenix documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

651	3047167	ATP-UT	B	Gray	UT	Separating Plate for UT 2.5, UT 4, UT 6, UT 10, & UT 2.5/1P Terminal Blocks	.56	.50	.47	.43
651	3030721	ATP-ST 4	B	Gray	ST / DT	Separating Plate for ST 1.5, ST 2.5, ST 4, & DT 2.5 Terminal Blocks	.53	.48	.45	.41
651	3030815	ATP-ST4-QUARTTO	B	Gray	ST	Separating Plate for ST 1.5-Quattro, ST 2.5-Quattro, ST 4-Quattro Terminal Blocks	.76	.68	.65	.59
651	3030789	ATP-ST4-TWIN	B	Gray	ST	Separating Plate for ST 1.5-Twin, ST 2.5-Twin, & ST 4-Twin Terminal Blocks	.72	.64	.61	.56
651	3030747	ATP-STTB-4	B	Gray	ST	Separating Plate for STTB 1.5, STTB 2.5, STTB 4 Terminal Blocks	.82	.74	.70	.64
651	3024481	ATP-ZFK 2.5/6	B	Gray	ST	Separating Plate for STS 6 Terminal Blocks	.40	.35	.34	.31
651	3206209	ATP-QTC	B	Gray	QT	Separating Plate for QTC 1.5 & QTC 2.5 Terminal Blocks	.47	.42	.40	.36
651	3206212	ATP-QTC-TWIN	B	Gray	QT	Separating Plate for QTC 1.5-Twin & QTC 1.5-TG Terminal Blocks	.61	.55	.52	.47
651	3206225	ATP-QTC-QUATTRO	B	Gray	QT	Separating Plate for QTC 1.5-Quattro Terminal Blocks	.65	.58	.56	.51

STEP-DOWN BRIDGING

- RoHS compliant per Phoenix documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

651	3047060	RB UT-(2.5/4)	C	Red	UT	From connection UT 10 to UT 2.5 or UT 4	3.08	2.77	2.63	2.39
651	3047086	RB UT-10-ST(2.5/4)	C	Red	UT	From Connection UT 10 to QTC 1.5 or QTC2.5, or DT 2.5, or ST 2.5 or ST 4	3.08	2.77	2.63	2.39
651	3038943	RB-ST(2.5/4)-1.5	C	Red	ST	From Connection ST 4 to ST 1.5	1.33	1.20	1.14	1.04
651	3030860	RB ST 6-(2.5/4)	C	Red	ST / QT	From Connection ST 6 to DT 2.5, or ST 2.5 or ST 4, or QTC 1.5 or QTC 2.5	1.33	1.20	1.14	1.04
651	3030873	RB ST 10-(2.5/4)	C	Red	ST / QT	From Connection ST 10 to DT 2.5, or ST 2.5 or ST 4, or QTC 1.5 or QTC 2.5	3.08	2.77	2.63	2.39

BRIDGES

- RoHS compliant per Phoenix documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Color	No. of Pos.	Terminal Block Series	Price Each			
Mfr.	Mfr. Part No.						1	10	50	100
651	3030161	FBS 2.5	D	Red	2	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	.43	.38	.36	.33
651	3030336	FBS 2.6	D	Red	2	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	.43	.38	.36	.33
651	3030284	FBS 2.8	D	Red	2	UT 6, STS 6	.53	.48	.45	.41
651	3005947	FBS 2.10	D	Red	2	UT 10	1.62	1.45	1.38	1.26
651	3030174	FBS 3.5	D	Red	3	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	.85	.77	.73	.66
651	3030242	FBS 3.6	D	Red	3	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	.85	.77	.73	.66
651	3030297	FBS 3.8	D	Red	3	UT 6, STS 6	1.12	1.00	.96	.87
651	3030187	FBS 4.5	D	Red	4	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	1.33	1.20	1.14	1.04
651	3030255	FBS 4.6	D	Red	4	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	1.33	1.20	1.14	1.04
651	3030307	FBS 4.8	D	Red	4	UT 6, STS 6	1.81	1.63	1.55	1.41
651	3030190	FBS 5.5	D	Red	5	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	1.65	1.48	1.41	1.28
651	3030349	FBS 5.6	D	Red	5	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	1.65	1.48	1.41	1.28
651	3030310	FBS 5.8	D	Red	5	UT 6, STS 6	2.24	2.01	1.91	1.74
651	3030213	FBS 10.5	D	Red	10	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	3.47	3.11	2.96	2.69
651	3030271	FBS 10.6	D	Red	10	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	3.47	3.11	2.96	2.69
651	3030323	FBS 10.8	D	Red	10	STS 6	4.54	4.07	3.87	3.52
651	3030226	FBS 20.5	D	Red	20	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	6.94	6.22	5.91	5.38
651	3030365	FBS 20.6	D	Red	20	UT 4, UT 4-MT/TG,UT 4 HESI/HEDI, UT 4-MTD, STS 4, QTC 2.5	6.94	6.22	5.91	5.38

TEST ADAPTERS

- RoHS compliant per Phoenix documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Color	Terminal Block Series	Price Each			
Mfr.	Mfr. Part No.					1	10	50	100
651	3030925	PAI 4	E	Gray	UT 2.5,4,6,4-MT/TG,4-MTD,2.5/1P, STS 2.5,4,6, DT 2.5, QTC 1.5, 1.5-Twin,1.5-Quattro,1.5-TG, QTCU1.5-TWIN	7.15	6.41	6.10	5.55

TEST PLUGS

- RoHS compliant per Phoenix documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

651	3030983	PS-5	F	Red	UT 2.5, UT 2.5/1P, STS 2.5, DT 2.5, QTC 1.5, 1.5-Twin, 1.5-Quattro, 1.5-TG, QTCU1.5-Twin	5.59	5.01	4.77	4.34
651	3030996	PS-6	F	Red	UT 4, UT 4-MT/TG, UT4-MTD, STS 4, QTC 2.5	5.75	5.16	4.90	4.46
651	3031005	PS-8	F	Red	UT 6, STS 6	5.87	5.26	5.00	4.56

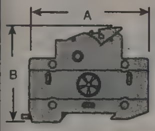
PHOENIX CONTACT DIN Rail Mounted Terminal Blocks

PHOENIX CONTACT
INSPIRING INNOVATIONS

DIN RAIL MOUNTED TERMINAL FUSE BLOCKS

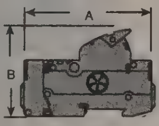
DIMENSIONS (mm.)

A



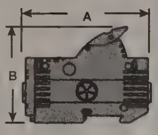
- Width:17.5mm
- Fuse Size: 10.3x38
- 18-4 AWG (UL)
- 600V (UL)
- 30A (UL)
- Color: Black

B



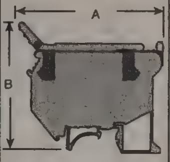
- Width: 36mm
- Fuse Size: 20.6x57
- 18-1 AWG (UL)
- 600V (UL)
- 30A (UL)
- Color: Black

C



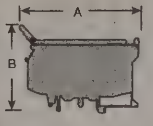
- Width: 40mm
- Fuse Size: 27x60
- 14-1 AWG (UL)
- 600V (UL)
- 60A (UL)
- Color: Black

D



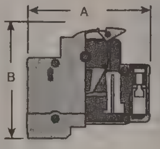
- Width: 8.2mm
- Fuse Size: 5x20mm, 5x25mm, 5x30mm
- 26-10 AWG (UL)
- 600 V (UL)
- 12 A (UL)
- Color: Black

E



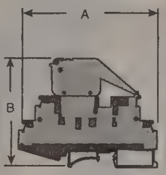
- Width: 10.2mm
- Fuse Size: 6.3x32mm
- 26-8 AWG (UL
- 600 V (UL)
- 25 A (UL)
- Color: Black

F



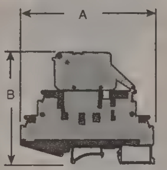
- Width: 18mm
- Fuse Size: 10.3x38mm
- 16-4 AWG (UL)
- 600 V (UL)
- 30 A (UL)
- Color: Black

G



- Width: 8.2mm
- Fuse Size: 5x20mm, 6.3x32mm
- 24-8 AWG (UL)
- 15A upper/ 30A lower (UL)
- 600 V (UL)
- Color: Black

H



- Width: 8.2mm
- Fuse Size: 6.3x32mm
- 24-8 AWG (UL)
- 15A upper/ 30A lower (UL)
- 600 V (UL)
- Color: Black

Fuse Terminal Blocks with Disconnect Lever

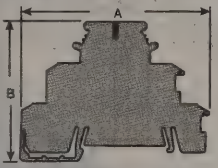
For quantities of 100 and up, call for quote. Accessories (See accessories page for pricing and descriptions)

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Dimensions (mm)		Price Each			Insertion Bridge	Fixed Bridge	Screwdriver	End Bracket	Din Rail Type
Mfr.	Mfr. Part No.				A	B	1	10	50					
Branch Circuit Protection - Class CC and J														
651—	3048580	A	UK 10.3-CC HESI	For Class CC fuses	81	73	10.77	10.27	9.77	651-3009299	- -	651-1205066	- -	NS 35
651—	3048616	A	UK 10.3-CC HESILED	For Class CC fuses w/ LED, 110-600V	81	73	17.78	16.96	16.13	651-3009367	- -	651-1205066	- -	NS 35
651—	3211058	B	UK 20.6-J HESI	For Class J fuses	118	96.5	24.14	23.02	21.90	- -	- -	651-1205066	- -	NS 35
651—	3211087	B	UK 20.6-J HESILED	For Class J fuses w/ LED, 110-600V	118	96.5	30.57	29.14	27.72	- -	- -	651-1205066	- -	NS 35
651—	3211113	C	UK 27-J HESI	For Class J fuses	118	96.5	32.30	30.80	29.30	- -	- -	651-1205066	- -	NS 35
651—	3211142	C	UK 27-J HESILED	For Class J fuses w/ LED, 110-600V	118	96.5	38.57	36.77	34.98	- -	- -	651-1205066	- -	NS 35
Fuse Terminal Blocks with Disconnect Lever														
651—	3004100	D	UK 5 HESI	Fuse Block	72.5	56.5	5.86	5.57	5.31	651-3118135	- -	651-1205053	651-0800886	NS 35
651—	3004126	D	UK 5 HESILED 24	Fuse Block w/ LED, 15-30V	72.5	56.5	9.05	8.61	8.20	651-3118135	- -	651-1205053	651-0800886	NS 35
651—	3004142	D	UK 5 HESILA 250	Fuse Block w/ LED, 110-250V	72.5	56.5	9.05	8.61	8.20	651-3118135	- -	651-1205053	651-0800886	NS 35
651—	3004171	E	UK 6.3 HESI	Fuse Block	79	60.5	7.29	6.93	6.61	651-0203137	- -	651-1205066	651-0800886	NS 35
651—	3004265	E	UK 6.3 HESILED 24	Fuse Block w/ LED, 15-30V	79	60.5	11.29	10.74	10.23	651-0203137	- -	651-1205066	651-0800886	NS 35
651—	3004249	E	UK HESILA 250	Fuse Block w/ LED, 110-250V	79	60.5	11.29	10.74	10.23	651-0203137	- -	651-1205066	651-0800886	NS 35
651—	3048386	F	UK 10.3 HESI N	Fuse Block	81	79	10.30	9.79	9.33	651-3009299	- -	651-1205066	651-0800886	NS 35
651—	3048399	F	UK 10.3 HESILED N 690	Fuse Block w/ LED, 220-690V	81	79	17.02	16.19	15.43	651-3009367	- -	- -	- -	- -
651—	3007204	G	UKK 5 HESI (5x20)	Fuse Block	86.5	79	13.90	13.22	12.60	- -	651-2772080	651-1205053	651-0800886	NS 35
651—	3026654	G	UKK5 HESILED 24 (5x20)	Fuse Block w/LED, 15-30V	86.5	79	19.60	18.63	17.76	- -	651-2772080	651-1205053	651-0800886	NS 35
651—	0711629	G	UKK 5 HESILA 250 (5x20)	Fuse Block w/ LED, 110-250V	86.5	79	20.74	19.72	18.79	- -	651-2772080	651-1205053	651-0800886	NS 35
651—	3007217	H	UKK 5 HESI (6.3x32)	Fuse Block	86.5	79	14.55	13.84	13.19	- -	651-2772080	651-1205053	651-0800886	NS 35
651—	0711632	H	UKK 5 HESILED 24 (6.3x32)	Fuse Block w/ LED for 15-30V	86.5	79	20.78	19.76	18.84	- -	651-2772080	651-1205053	651-0800886	NS 35
651—	0711616	H	UKK5 HESILA 250 (6.3x32)	Fuse Block w/ LED, 110-250V	86.5	79	21.62	20.55	19.59	- -	651-2772080	651-1205053	651-0800886	NS 35

DIKD 1.5TG

A

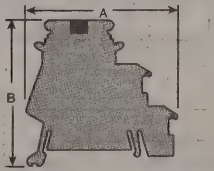
- Width: 6.2mm
- 30-14 AWG (UL)
- 300 V (UL)
- 15 A (UL)
- 3 Levels
- Color: Gray



DIK 1.5

B

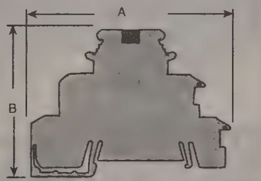
- Width: 6.2mm
- 30-14 AWG (UL)
- 300 V (UL)
- 15 A (UL)
- 3 Levels
- Color: Gray



DIKD 1.5

C

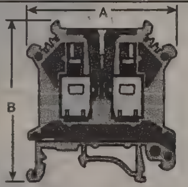
- Requires fuse plug
- Width: 6.2mm
- 28-12 AWG (UL)
- 300 V (UL)
- 6.3 A (UL)
- Color: Gray



UK 4-TG

D

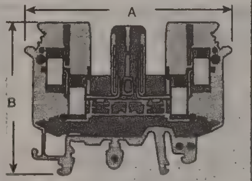
- Requires fuse plug
- Width: 6.2mm
- 30-12 AWG (UL)
- 300 V (UL)
- 15 A (UL)
- Color: Gray



UDK 4-TG

E

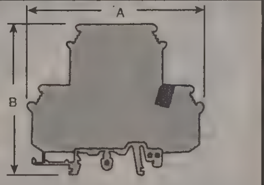
- Requires fuse plug
- Width: 6.2mm
- 26-12 AWG (UL)
- 300 V (UL)
- 15 A (UL)
- 15A upper/ 25A lower (UL)
- Color: Gray



UKK5-TG

F

- Requires fuse plug
- Width: 6.2mm
- 30-14 AWG (UL)
- 300 V (UL)
- 15 A (UL)
- 3 Levels
- Color: Gray



Three Level Sensor Terminal Blocks

For quantities 100 and up, call for quote. Accessories (See accessory page for pricing and descriptions)

MOUSER STOCK NO.		Fig.	Phoenix Type	Dimensions (mm)		Price Each			Partition Plate	Fixed Bridge	Insertion Bridge	Fuse Plug	Fusle 30V Light	Fuse 250V Light	Screwdriver	End Bracket	Din Rail Type
Mfr.	Mfr. Part No.			A	B	1	10	50									
651—	2774237	A	DIKD 1.5 TG	72.5	54.5	7.21	6.85	6.53	651-1413285	- - - -	651-2715940 651-2715953	651-0921011 - -	651-0921037 - -	651-0921053 - -	651-1205053 - -	651-0800886 - -	NS 35 - -
651—	2715966	B	DIK 1.5	55.0	54.5	3.96	3.77	3.59	651-1413272	651-0203250	651-2715940 651-2715953	- - - -	- - - -	- - - -	651-1205053 - -	651-0800886 - -	NS 35 - -
651—	2715979	C	DIKD 1.5	72.5	54.5	6.89	6.55	6.24	651-1413285	651-0203250	651-2715940 651-2715953	- - - -	- - - -	- - - -	651-1205053 - -	651-0800886 - -	NS 35 - -

Base Terminal Blocks for Cartridge Fuse

For quantities of 100 and up, call for quote. Accessories (See accessory page for pricing and descriptions)

MOUSER STOCK NO.		Fig.	Phoenix Type	Dimensions (mm)		Price Each			End Cover	Partition Plate	Fixed Bridge	Insertion Bridge	Fuse Plug	Fuse 30V Light	Fuse 250V Light	End Bracket	Din Rail Type
Mfr.	Mfr. Part No.			A	B	1	10	50									
651—	2812018	D	UK 4 -TG	42.5	47.0	3.09	2.94	2.80	651-3003020	651-3003224	- -	651-0201139	651-0921011	651-0921037	651-0921053	651-0800886	NS 35
651—	2777014	E	UDK 4-TG	63.5	47.0	3.12	2.97	2.83	651-2777027	- -	651-0203250	651-0201139	651-0921011	651-0921037	651-0921053	651-0800886	NS 35
651—	3007042	F	UKK 5-TG	80.0	68.5	8.18	7.78	7.41	- -	- -	651-0203250	651-0201139	651-0921011	651-0921037	651-0921053	651-0800886	NS 35

UK UNIVERSAL DIN RAIL TERMINAL BLOCKS

- Screw cage clamp connections
- Contacts made from nickel plated copper alloy

For quantities of 500 and up, call for quote.

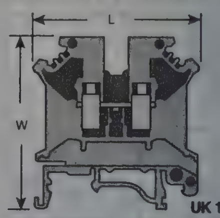
MOUSER STOCK NO.		Fig.	Phoenix Type	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr.	Mfr. Part No.							H	L	W	1	10	50	100
Universal Feed-Thru Terminal Blocks														
651	3005837	A	UK 1.5 N	Gray	30-14	300	15	42	42.5	4.2	1.41	1.26	1.20	1.09
651	3005840	A	UK 1.5 N BU	Blue	30-14	300	15	42	42.5	4.2	2.89	2.57	2.46	2.24
651	3003347	A	UK 2.5 N	Gray	30-12	300	20	42	42.5	5.2	1.34	1.21	1.15	1.04
651	3003350	A	UK 2.5 N BU	Blue	30-12	300	20	42	42.5	5.2	1.34	1.21	1.15	1.04
651	3001501	A	UK 3 N	Gray	28-12	600	20	47	42.5	5.2	1.37	1.22	1.16	1.06
651	3001514	A	UK 3 N BU	Blue	28-12	600	20	47	42.5	5.2	3.23	2.90	2.76	2.51
651	3004362	A	UK 5 N	Gray	30-10	600	30	47	42.5	6.2	.87	.78	.74	.67
651	3004388	A	UK 5 N BU	Blue	30-10	600	30	47	42.5	6.2	1.48	1.33	1.26	1.15
651	3004524	A	UK 6 N	Gray	26-8	600	50	47	42.5	8.2	1.86	1.67	1.58	1.44
651	3004977	A	UK 6 N BU	Blue	26-8	600	50	47	42.5	8.2	2.40	2.15	2.05	1.86
651	3005073	A	UK 10 N	Gray	24-6	600	65	47	42.5	10.2	2.43	2.18	2.07	1.89
651	3005086	A	UK 10 N BU	Blue	24-6	600	65	47	42.5	10.2	5.88	5.27	5.01	4.56
651	3006043	B	UK 16 N	Gray	22-4	600	85	54	42.5	12.2	4.07	3.65	3.47	3.16
651	3006056	B	UK 16 N BU	Blue	22-4	600	85	54	42.5	12.2	8.93	8.01	7.62	6.93
651	3008012	C	UK 35	Gray	18-1/0	1000	150	62	50	15.2	10.14	9.09	8.64	7.87
651	3008025	C	UK 35 BU	Blue	18-1/0	1000	150	62	50	15.2	10.52	9.44	8.97	8.17
Universal Ground Terminal Blocks														
651	3005853		USLKG 1.5 N	Gr/Yel	30-14	-	-	42	42.5	4.2	10.83	9.71	9.23	8.41
651	0441119		USLKG 2.5 N	Gr/Yel	30-12	-	-	42	42.5	5.2	5.50	4.93	4.69	4.27
651	0441083		USLKG 3	Gr/Yel	28-12	-	-	47	42.5	2.2	5.69	5.10	4.85	4.42
651	0441504		USLKG 5	Gr/Yel	26-10	-	-	47	42.5	6.2	5.25	4.71	4.48	4.08
651	0442079		USLKG 6 N	Gr/Yel	26-8	-	-	47	42.5	8.2	5.91	5.30	5.04	4.59
651	3003923		USLKG 10 N	Gr/Yel	24-6	-	-	47	42.5	10.2	6.43	5.76	5.48	4.99
651	0443023		USLKG 16 N	Gr/Yel	22-4	-	-	54	42.5	12.2	8.56	7.67	7.30	6.64
651	0444019		USLKG 35	Gr/Yel	18-1/0	-	-	62	50	15.2	14.27	12.79	12.16	11.08
Universal Twin Conductor Feed Thru Terminal Blocks														
651	3002225	D	UK 3-TWIN	Gray	30-12	300	20	47	50.5	5.2	3.04	2.73	2.59	2.36
651	3002416	D	UK 3-TWIN BU	Blue	30-12	300	20	47	50.5	5.2	3.04	2.73	2.59	2.36
651	1923021	D	UK 5-TWIN	Gray	30-10	300	30	47	50.5	6.2	2.80	2.51	2.38	2.17
651	1923047	D	UK 5-TWIN BU	Blue	30-10	300	30	47	50.5	6.2	2.88	2.58	2.46	2.24
Universal Twin Ground Terminal Blocks														
651	1923128		UK 3-TWIN-PE	Gr/Yel	30-12	-	-	47	50.5	5.2	7.36	6.60	6.28	5.72
651	1923076		UK 5-TWIN-PE	Gr/Yel	30-10	-	-	47	50.5	6.2	7.35	6.59	6.27	5.71
Universal Return Terminal Blocks														
651	3002513	E	UK 3 RETURN	Gray	30-12	300	20	58.5	47.5	5.2	2.26	2.03	1.93	1.76
651	3002568	E	UK 3 RETURN BU	Blue	30-12	300	20	58.5	47.5	5.2	2.26	2.03	1.93	1.76
651	3002597	E	UK 5 RETURN	Gray	30-10	300	30	58.5	47.5	6.2	2.66	2.38	2.27	2.06
651	3002490	E	UK 5 RETURN BU	Blue	30-10	300	30	58.5	47.5	6.2	2.66	2.38	2.27	2.06
Universal Return Ground Terminal Blocks														
651	3002555		UK 3 RETURN PE	Gr/Yel	30-10	-	-	58.5	42.5	5.2	7.23	6.48	6.16	5.61
651	3002584		UK 5 RETURN PE	Gr/Yel	30-10	-	-	58.5	42.5	6.2	6.95	6.23	5.92	5.39
Universal Double Level Terminal Blocks - Double Feed Thru														
651	2771010	F	UKKB 3	Gray	28-12	600	20	62	67	5.2	5.43	4.87	4.63	4.22
651	2771094	F	UKKB 3 BU	Blue	28-12	600	20	62	67	5.2	5.43	4.87	4.63	4.22
651	2771146	F	UKKB 5	Gray	26-10	600	30	62	67	6.2	5.27	4.73	4.49	4.09
Universal Double Level Ground Terminal Block														
651	3007123		UKKB 5-PE	Gr/Yel	26-10	-	-	62	67	6.2	12.70	11.39	10.83	9.86
Universal Double Level Terminal Blocks - Single Feed Thru														
651	2775375	G	UDK 3	Gray	30-12	300	20	47	63.5	5.2	3.31	2.97	2.82	2.57
651	2775016	G	UDK 4	Gray	30-10	600	30	47	63.5	6.2	3.05	2.74	2.60	2.37
Universal Double Level Ground Terminal Block														
651	2775456		UDK 3-PE	Gr/Yel	30-12	-	-	47	63.5	5.2	11.38	10.20	9.70	8.83
651	2775184		UDK 4-PE	Gr/Yel	30-10	-	-	47	63.5	6.2	7.89	7.07	6.72	6.12

RoHS Compliant

For quantities of 500 and up, call for quote.

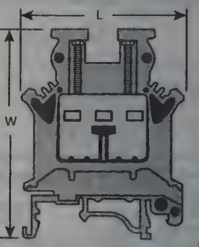
MOUSER STOCK NO.		Phoenix Type	Color	Description	Price Each			
Mfr.	Mfr. Part No.				1	10	50	100
Universal DIN Rail Terminal Block Accessories								
651	3001022	D-UK 2.5	Gray	End Cover for UK 1.5/2.5	.80	.72	.68	.62
651	3001103	D-UK 2.5 BU	Blue	End Cover for UK 1.5/2.5 BU	.80	.72	.68	.62
651	3003020	D-UK 4/10	Gray	End Cover for UK 3/5/6/10	.82	.74	.70	.64
651	3003101	D-UK 4/10 BU	Blue	End Cover for UK 3/5/6/10 BU	.82	.74	.70	.64
651	3006027	D-UK 16	Gray	End Cover for UK 16	.99	.89	.85	.77
651	3006108	D-UK 16 BU	Blue	End Cover for UK 16 BU	.99	.89	.85	.77
651	3002539	D-UK 3-RETURN	Gray	End Cover for UK 3 Return	.92	.82	.78	.71
651	3002571	D-UK 3-RETURN BU	Blue	End Cover for UK 3 Return BU	.92	.82	.78	.71
651	1923034	D-UK 5-TWIN	Gray	End Cover for UK 3/5 TWIN	.97	.87	.83	.75
651	1923050	D-UK 5-TWIN BU	Blue	End Cover UK 3/5 TWIN BU	.98	.88	.84	.76
651	3003224	ATP-UK	Gray	Partition Plate	.95	.85	.81	.74
651	3008096	TP-UK 35	Gray	Separating Plate	1.17	1.05	1.00	.91
Fully Insulated Divisible Insertion Bridges								
651	2303145	EBL 2-5	Red	2-Position for UK2.5/3 N	.45	.40	.38	.35
651	0201155	EB 2-6	Red	2-Position for UK5 N	.77	.69	.66	.60
651	0202154	EB 2-8	Red	2-Position for UK6 N	.93	.83	.79	.72
651	0203153	EB 2-10	Red	2-Position for UK10 N	1.25	1.12	1.06	.97
651	2303158	EBL 3-5	Red	3-Position for UK2.5/3 N	.70	.63	.60	.55
651	0201142	EB 3-6	Red	3-Position for UK5 N	1.12	1.00	.96	.87
651	0202141	EB 3-8	Red	3-Position for UK6 N	1.37	1.22	1.16	1.06
651	0203328	EB 3-10	Red	3-Position for UK10 N	1.84	1.65	1.56	1.42
651	2303132	EBL 10-5	Red	10-Position for UK 2.5/3 N	2.10	1.89	1.79	1.63
651	0201139	EB 10-6	Red	10-Position for UK5 N	3.37	3.02	2.88	2.62
651	0202138	EB 10-8	Red	10-Position for UK6 N	4.17	3.74	3.56	3.24
651	0203137	EB 10-10	Red	10-Position for UK10 N	5.59	5.01	4.77	4.34
651	3006137	EB 10-12	Red	10-Position for UK16 N	6.18	5.54	5.27	4.80
651	0205135	EB 10-15	Red	10-Position for UK35 N	10.32	9.25	8.80	8.01
Fixed Bridge Bar with Insulated Screws								
651	3001624	FBRN 10-4 N	-	10-Position for UK 1.5 N	5.12	4.59	4.37	3.98
651	2770642	FBRI 10-5 N	-	10-Position for UK2.5/3 N	7.09	6.35	6.04	5.50
651	0203250	FBI 10-6	-	10-Position for UK5 N	5.55	5.26	4.85	4.42
651	0203263	FBI 10-8	-	10-Position for UK6 N	7.07	6.33	6.02	5.48
651	0203276	FBI 10-10	-	10-Position for UK10 N	9.16	8.21	7.81	7.11
651	0203454	FBI 10-12	-	10-Position for UK16 N	11.27	10.10	9.61	8.75
651	0201333	FBI 2-15	-	2-Position for UK35 N	4.12	3.69	3.51	3.20
651	0201278	FBI 3-15	-	3-Position for UK35 N	5.70	5.11	4.86	4.42

A



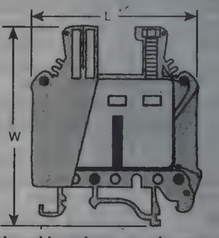
UK 1.5/2.5/3/5/6/10 N

B



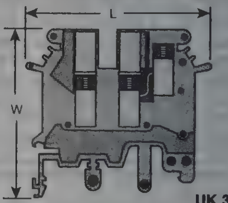
UK 16 N

C



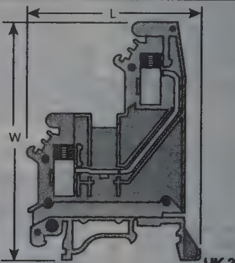
UK 35, (Enclosed housing no end cover required.)

D



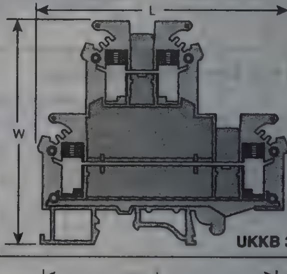
UK 3/5 TWIN

E



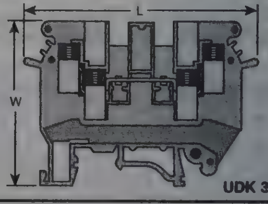
UK 3/5 RETURN

F



UKKB 3/5

G



UDK 3/4

PHOENIX CONTACT DIN Rail Terminal Blocks

PHOENIX CONTACT
INSPIRING INNOVATIONS

MT MICRO MINIATURE DIN RAIL TERMINAL BLOCKS

Micro DIN rail terminal block for NS 15 DIN Rail. Screw clamp connections. • RoHS compliant per Phoenix documentation

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr. Mfr. Part No.							H	L	W	1	10	50	100
MT Micro Miniature Feed-Thru DIN Rail Terminal Blocks													
651—3100305	A	MT 1.5	Gray	30-14	300	15A	23.5	22.0	4.2	1.72	1.54	1.46	1.33
651—3003363	A	MT 1.5 BU	Blue	30-14	300	15A	23.5	22.0	4.2	1.72	1.54	1.46	1.33
651—3001679	B	MT 1.5 QUATTRO	Gray	30-14	300	15A	30.0	33.5	4.2	3.28	2.94	2.79	2.54
651—3001682	C	MT 1.5 TWIN	Gray	30-14	300	15A	30.0	28.0	4.2	2.94	2.63	2.50	2.28
651—3025532	C	MT 1.5 TWIN BU	Blue	30-14	300	15A	30.0	28.0	4.2	2.94	2.63	2.50	2.28
651—1414129	D	MTTB 1.5	Gray	30-14	300	15A	41.0	44.0	4.2	4.21	3.77	3.58	3.26
MT Micro Miniature Ground DIN Rail Terminal Blocks													
651—3100318		MT 1.5 PE	Gr/Yel	30-14	-	-	23.5	22.0	4.2	5.39	4.83	4.59	4.18
651—3001695		MT 1.5 QUATTRO PE	Gr/Yel	30-14	-	-	30.0	28.0	4.2	7.92	7.10	6.75	6.15
651—3001705		MT 1.5 TWIN PE	Gr/Yel	30-14	-	-	30.0	33.5	4.2	7.12	6.38	6.07	5.53

Accessories

MOUSER STOCK NO.	Phoenix Type	Color	Description	Price Each			
Mfr. Mfr. Part No.				1	10	50	100
651—3100321	D-MT 1.5	Gray	End Cover for MT 1.5	.50	.45	.43	.39
651—3025529	D-MT 1.5 BU	Blue	End Cover for MT 1.5 BU	.50	.45	.43	.39
651—3002982	D-MT 1.5 QUATTRO	Gray	End Cover for MT 1.5 QUATTRO	.85	.77	.73	.66
651—3002979	D-MT 1.5 TWIN	Gray	End Cover for MT 1.5 TWIN	.82	.74	.70	.64
651—3025545	D-MT 1.5 TWIN BU	Blue	End Cover for MT 1.5 TWIN BU	.82	.74	.70	.64
651—3002678	DG-MTTB 1.5	Gray	Spacer Cover for MTTB 1.5	.94	.84	.80	.73
651—3002665	D-MTTB 1.5	Gray	End Cover for MTTB 1.5	.78	.70	.66	.60
651—3002681	DP-MTTB 1.5	Gray	Spacer Plate for MTTB 1.5	.88	.78	.75	.68

MBK MINIATURE DIN RAIL TERMINAL BLOCKS

- RoHS compliant per Phoenix documentation

The "larger" miniature terminal block for NS 15 DIN rail. Screw clamp connections.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr. Mfr. Part No.							H	L	W	1	10	50	100
MBK Miniature Feed-Thru DIN Rail Terminal Blocks													
651—1413036	E	MBK 3/E Z	Gray	28-12	600	20A	32.0	28.0	5.2	2.09	1.88	1.78	1.62
651—1402940	F	MBK 5/E Z	Gray	26-10	600	30A	32.0	28.0	6.2	2.01	1.80	1.71	1.56
651—1414064	G	MBKKB 2.5	Gray	30-12	300	20A	48.0	62.0	5.2	3.91	3.50	3.33	3.03
MBK Miniature Ground DIN Rail Terminal Blocks													
651—1413117		MBK 3/E Z PE	Gr/Yel	28-12	-	-	31.5	28.0	5.2	4.85	4.34	4.13	3.76
651—0452043		MBK 5/E Z PE	Gr/Yel	26-10	-	-	32.0	28.0	5.2	5.22	4.68	4.45	4.05

Accessories

MOUSER STOCK NO.	Phoenix Type	Color	Description	Price Each			
Mfr. Mfr. Part No.				1	10	50	100
651—1413227	ATP-MBK	Gray	Partition Plate	.98	.88	.84	.76
651—1415021	DMBK/E	Gray	End Cover for 3 & 5/ E Z	.60	.54	.51	.46
651—1401158	EB 2-5 N	Red	2 Pos. Insertion Bridge	.53	.48	.45	.41
651—1401145	EB 3-5 N	Red	3 Pos. Insertion Bridge	.80	.72	.68	.62
651—1401132	EB 10-5 N	Red	10 Pos. Insertion Bridge	2.44	2.19	2.08	1.90
651—1413052	D-MBKKB 2.5	Gray	End Cover	.76	.68	.65	.59
651—1413065	DP-MBKKB 2.5	Gray	Spacer Plate	.68	.61	.58	.53

OTTA BOLT CONNECTION DIN RAIL TERMINAL BLOCKS

Bolt connection terminal blocks for ring lug terminals. Unique hinged cover wings which hold the terminal nuts. **For quantities of 500 and up, call for quote.**

MOUSER STOCK NO.	Fig.	Phoenix Type	Color	Ring Lug Size	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr. Mfr. Part No.							H	L	W	1	10	50	100
OTTA Bolt Connection Feed-Thru DIN Rail Terminal Blocks													
651—0790530	H	OTTA 2.5	Gray	M3	600	20A	45.5	43.5	9.0	4.98	4.47	4.25	3.87
651—0790433	I	OTTA 6	Gray	M4	600	30A	52.0	43.5	9.0	4.17	3.74	3.56	3.24
*651—0790462	J	OTTA 6-T-P/P	Gray	M4	600	30A	52.0	69.0	11.0	10.15	9.10	8.65	7.88
OTTA Bolt Connection Ground DIN Rail Terminal Blocks													
651—0790556		OTTA 2.5 PE	Gr/Yel	M3	-	-	45.5	43.5	9.0	10.65	9.55	9.08	8.27
651—0790527		OTTA 6 PE	Gr/Yel	M4	-	-	52.0	43.5	11.0	12.17	10.91	10.37	9.44

* Includes 4mm female test connector

RoHS Compliant

End Covers

MOUSER STOCK NO.	Phoenix Type	Color	Description	Price Each			
Mfr. Mfr. Part No.				1	10	50	100
651—0790569	D-OTTA 2.5	Gray	End Cover for OTTA 2.5	1.05	.94	.89	.81
651—0790417	D-OTTA 6	Gray	End Cover for OTTA 6	.97	.87	.83	.75
651—0790459	D-OTTA 6-T	Gray	End Cover for OTTA 6-T	.97	.87	.83	.75

MTK KNIFE DISCONNECT DIN RAIL TERMINAL BLOCKS

** Feed-through terminal block w/o knife disconnect. • RoHS Compliant per Phoenix documentation.

RoHS Compliant

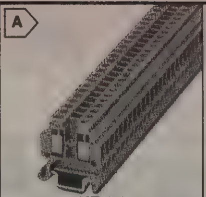
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Color	AWG	Voltage Rating	Current Rating	Dimensions (mm)			Price Each			
Mfr. Mfr. Part No.							H	L	W	1	10	50	100
651-3101016	K	MTK	Gray	28 - 12	300	10A	51.5	46	5.2	5.03	4.51	4.29	3.90
651-3104013	K	MTK-P/P	Gray	28 - 12	300	10A	51.5	46	5.2	5.58	5.00	4.76	4.33
651-3100017 **	L	MTKD	Gray	28 - 12	300	10A	51.5	46	5.2	3.30	2.96	2.81	2.56
651-3004032	M	UK 5-MTK-P/P	Gray	22 - 12	600	15A	58.5	51	6.2	6.23	5.59	5.31	4.84
651-2775210	N	UDK 4-MTK-P/P	Gray	22 - 10	600	10A	47	63.5	6.2	6.53	5.86	5.57	5.07
651-2800004	O	UKK 5-MTK-P/P	Gray	26 - 12	300	15A	68	80	6.2	9.55	8.56	8.14	7.41
651-3101087	P	UDMTK 5-P/P	Gray	26 - 12	300	15A	68.5	93	6.2	15.27	13.69	13.02	11.85

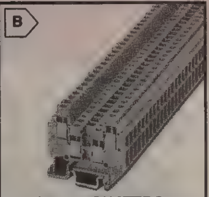
Accessories

For quantities of 500 and up, call for quote.

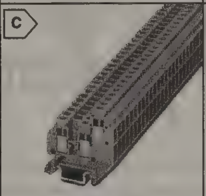
MOUSER STOCK NO.	Fig.	Phoenix Type	Color	Description	Price Each			
Mfr. Mfr. Part No.					1	10	50	100
651-3101029	–	D-MTK	Gray	End Cover for MTK	.81	.73	.69	.63
651-3101223	–	ATS-MTK	Gray	Partition Plate for MTK	.92	.85	.77	.71
651-3004210	–	ATP-UK 5-MTK	Gray	Partition Plate for UK 5-MTK	.97	.89	.82	.76
651-2775113	–	D-UDK 4	Gray	End Cover for UDK 4-MTK	1.13	1.01	.96	.88
651-3100266	–	TP-UDMTK 5	Gray	Partition Plate for UDMTK 5	.95	.85	.81	.74



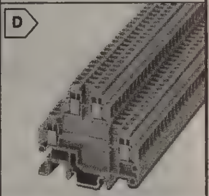
MT 1.5



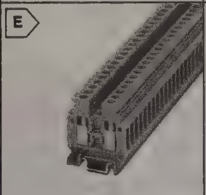
MT 1.5 QUATTRO



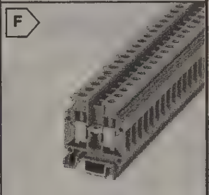
MT 1.5 TWIN



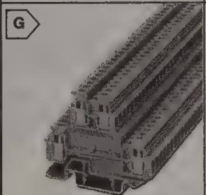
MTTB 1.5



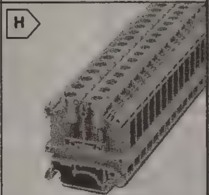
MBK 3/E Z



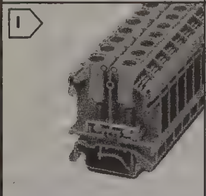
MBK 5/E Z



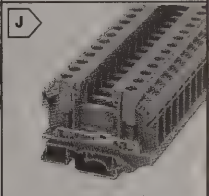
MBKKB 2.5



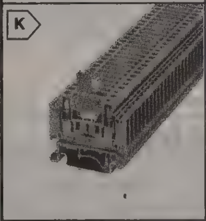
OTTA 2.5

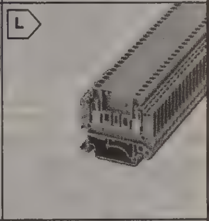


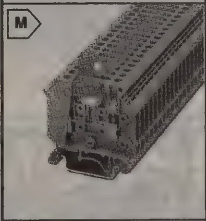
OTTA 6

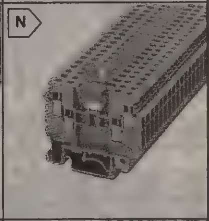


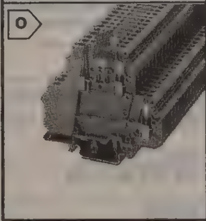
OTTA 6-T-P/P

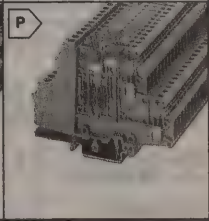




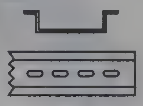


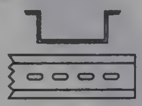


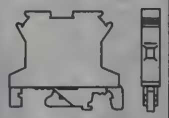


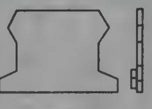


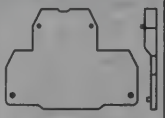
PHOENIX CONTACT DIN Rail Mounted Terminal Block Accessories

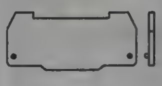
A

Din Rail (Perforated version illustration)

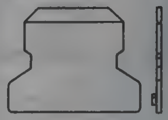
B

Din Rail (Perforated version illustration)

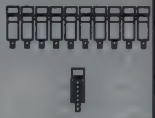
C

Ground Block

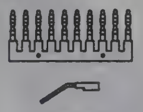
D

End Cover

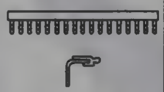
E

Spacer Cover

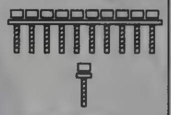
F

Spacer Plate

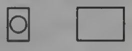
G

Partition Plate

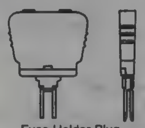
H

Fixed Bridge

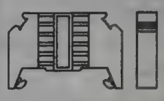
I

Insertion Bridge

J

Insertion Bridge

K

Isolator Bridge Bar

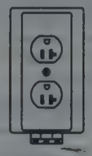
L

Isolator For Bridge Bar (Required for each contact point)

M

Fuse Holder Plug

N

End Bracket

O

Insulated Screwdriver

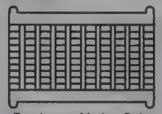
P

A/C Power Outlet

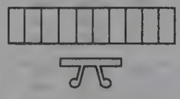
DIN Rail Terminal Block Accessories

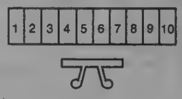
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each		
Mfr.	Mfr. Part No.				1	10	50
651	5602099	A	NS 15	15mmx5.5mmx1m DIN Rail Perf.	9.07	8.35	7.92
651	5602100	A	NS 35/7.5	35mmx7.5mmx1m DIN Rail Perf.	8.91	8.19	7.54
651	5603400	A	NS 35/7.5	35mmx7.5mmx1m DIN Rail Unperf.	9.28	8.54	7.86
651	0801733*	A	NS 35/7.5	35mmx7.5mmx2m DIN Rail Perf.	7.85	6.90	6.00
651	5603401	B	NS 35/15	35mmx15mmx1m DIN Rail Perf.	17.85	15.35	13.77
651	5603402	B	NS 35/15	35mmx15mmx1m DIN Rail Unperf.	17.98	16.64	13.27
651	5604188*	-	NS 35/58 AL	35mmx58mmx2m DIN Rail Perf.	13.20	11.84	11.25
651	3100318	C	MT 1.5 PE	4.2mm Ground Block (30-14 AWG)	5.39	4.83	4.59
651	1413117	C	MBK 3/E-Z-PE	5.2mm Ground Block (30-12 AWG)	4.85	4.34	4.13
651	0452043	C	MBK 5/E-Z-PE	6.2mm Ground Block (24-10 AWG)	5.22	4.68	4.45
651	3005853	C	USLKG 1.5 N	4.2mm Ground Block (30-14 AWG)	10.83	9.71	9.23
651	0441119	C	USLKG 2.5 N	5.2mm Ground Block (30-12 AWG)	5.50	4.93	4.69
651	0441504	C	USLKG 5	6.2mm Ground Block (26-10 AWG)	5.25	4.71	4.48
651	0442079	C	USLKG 6 N	8.2mm Ground Block (26- 8 AWG)	5.91	5.30	5.04
651	3003923	C	USLKG 10 N	10.2mm Ground Block (24-6 AWG)	6.43	5.76	5.48
651	2774211	C	UKK 5-PE	6.2mm Ground Blk. (26-10 AWG) 2 Pos.	11.50	10.11	9.17
651	3100321	D	D-MT 1.5	End Cover	.50	.45	.43
651	3002665	D	D-MTTB 1.5	End Cover	.78	.70	.66
651	1415021	D	D-MBK/E	End Cover	.60	.54	.51
651	3001022	D	D-UK 2.5	End Cover	.80	.72	.68
651	3003020	D	D-UK 4/10	End Cover	.82	.74	.70
651	2770024	D	D-UKK 3/5	End Cover	1.27	1.12	1.01
651	2777027	D	D-UDK RELG	End Cover	.90	.79	.72
651	3002678	E	DG-MTTB 1.5	Spacer Cover	.94	.84	.80
651	2770817	E	DG-UKK 3/5	Spacer Cover	1.37	1.21	1.09
651	3002681	F	DP-MTTB 1.5	Spacer Plate	.88	.78	.75
651	2770794	F	DP-UKK 3/5	Spacer Plate	.94	.82	.75
651	3003224	G	ATP-UK	Partition Plate	.95	.85	.81
651	1413285	G	ATP-DIKD 1.5	Partition Plate	1.37	1.21	1.09
651	1413272	G	ATP-DIK 1.5	Partition Plate	1.24	1.09	.99
651	3001624	H	FBRN 10-4 N	10 Position Fixed Bridge Divisible	5.12	4.59	4.37
651	2770642	H	FBRI 10-5 N	10 Position Fixed Bridge Divisible	7.09	6.35	6.04
651	0203250	H	FBI 10-6	10 Position Fixed Bridge Divisible	5.55	5.26	4.85
651	0203263	H	FBI 10-8	10 Position Fixed Bridge Divisible	7.07	6.33	6.02
651	0203276	H	FBI 10-10	10 Position Fixed Bridge Divisible	9.16	8.21	7.81
651	2772080	H	FBRI 10-8N	10 Position Fixed Bridge Divisible	7.66	6.74	6.11
651	2303132	I	EBL 10-5	10 Pos. Insertion Bridge Divisible	2.10	1.89	1.79
651	0201139	I	EB 10-6	10 Pos. Insertion Bridge Divisible	3.37	3.02	2.88
651	0202138	I	EB 10-8	10 Pos. Insertion Bridge Divisible	4.17	3.74	3.56
651	0203137	I	EB 10-10	10 Pos. Insertion Bridge Divisible	5.59	5.01	4.77
651	3118135	I	EBS 10-8	10 Pos. Insertion Bridge Divisible	4.03	3.82	3.52
651	2715940	J	EB 80-DIK BU	80 Pos. Insertion Bdg. (Middle) Div.	33.04	30.50	29.59
651	2715953	J	EB 80-DIK RD	80 Pos. Insertion Bdg. (Lower) Div.	33.04	30.50	29.59
651	3009299	J	EB 56-18	56 Pos. Insertion Bridge Divisible	50.22	44.16	40.02
651	3009367	J	EB 56-18	56 Pos. Insertion Bdg (3 Phase) Div.	144.34	126.92	115.02
651	0301505	K	ISSBI 10-6	10 Position Isolator Bridge Bar	4.80	4.22	3.82
651	1302338	L	IS-K 4	Isolator for Bridge Bar	.38	.34	.30
651	0921011	M	ST-SI-UK4	Fuse Holder (5x20mm)	3.20	2.81	2.55
651	0921037	M	ST-SILED 24 UK4	Fuse Holder 30V Lamp (5x20mm)	11.89	10.46	9.48
651	0921053	M	ST-SILA 250-UK4	Fuse Holder 250V Lamp (5x20mm)	8.72	7.66	6.95
651	1421659	N	E/MK 1	End Bracket For NS 15 DIN Rail	.79	.70	.63
651	0800886	N	E/NS 35 N	End Bracket For NS 35 DIN Rail	1.06	.93	.84
651	1205037	O	SZS 0.4x2.5	Screwdriver-Insulated Blade Shaft	10.86	9.83	9.33
651	1205053	O	SZS 0.6x3.5	Screwdriver-Insulated Blade Shaft	11.30	10.72	9.87
651	1205066	O	SZS 1.0x4.0	Screwdriver-Insulated Blade Shaft	16.09	15.28	14.52
651	5600525	P	EM-DUO 120/20	120 Outlet For NS 35 DIN Rail	32.98	29.00	26.28
651	1204384	–	Quick Wire Fox 6	Wire Strippers, AWG 30-10	69.84	66.35	63.04
651	2963860	–	SD-US/SC/LA/GY	Single Outlet, 125V, 15 A	20.08	18.00	17.11

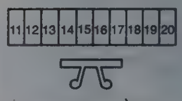
* 2 meter length, priced per meter

A

Breakaway Marker Strip

B

Breakaway Marker Strip

C


Breakaway Marker Strip

D


Breakaway Marker Strip

Marker Strips For DIN Rail Terminal Blocks

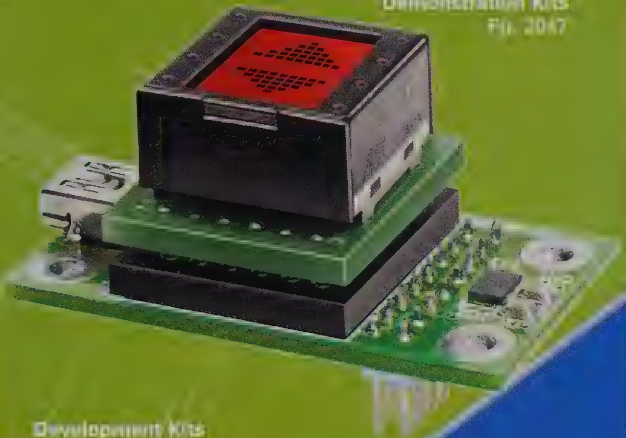
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Use With Terminal Block	Price Each		
Mfr.	Mfr. Part No.					1	10	50
651	0803579	A	ZBFM 4/WH: UNPRINTED	Unprinted marker strip for up to 100 positions	MT 1.5, MTTB 1.5	7.69	6.76	6.13
651	0800734	A	ZBFM 8/WH: UNPRINTED	Unprinted marker strip for up to 50 positions	UKK 5 HESI	8.27	7.27	6.59
651	0800268	A	ZBFM 4/WH, LGS: 1-100	Preprinted marker strip from 1 to 100	MT 1.5, MTTB 1.5	11.60	10.20	9.24
651	0805001	B	ZB 4: UNPRINTED	Unprinted marker strip for up to 10 positions	UK 1.5 N	1.36	1.20	1.09
651	1050004	B	ZB 5: UNPRINTED	Unprinted marker strip for up to 10 positions	MBK 3/EZ, UK 2.5 N	.80	.70	.63
651	1051003	B	ZB 6: UNPRINTED	Unprinted marker strip for up to 10 positions	MBK 5/EZ, UK 5 N, UKK 5, SLKK 5, DIKD 1.5-TG, DIK 1.5, DIKD1.5, UK 4-TG, UDK 4-TG, UKK 5-TG, UT 4	.80	.70	.63
651	1052002	B	ZB 8: UNPRINTED	Unprinted marker strip for up to 10 positions	UK 6 N, UK 5 HESI, UK 5 HESILED 24, UK 5 HESILA 250	.88	.77	.70
651	1053001	B	ZB 10: UNPRINTED	Unprinted marker strip for up to 10 positions	UK 10 N, UK 6.3 HESI, UK 10.3 HESI, UK 6.3 HESILED 24, UK 6.3 HESILA 250	1.33	1.17	1.06
651	0805807:0001	C	ZB 4: QR: 1-10	Preprinted marker strip from 1 to 10	UK 1.5 N	1.87	1.64	1.49
651	1050017:0001	C	ZB 5, LGS: 1-10	Preprinted marker strip from 1 to 10	MBK 3/EZ, UK 2.5 N	1.18	1.04	.94
651	1051016:0001	C	ZB 6, LGS: 1-10	Preprinted marker strip from 1 to 10	MBK 5/EZ, UK 5 N, UKK 5, SLKK 5, DIKD 1.5-TG, DIK 1.5, DIKD1.5, UK 4-TG, UDK 4-TG, UKK 5-TG, UT 4	1.18	1.04	.94
651	1052015:0001	C	ZB 8, LGS: 1-10	Preprinted marker strip from 1 to 10	UK 6 N, UK 5 HESI, UK 5 HESILED 24, UK 5 HESILA 250	1.82	1.60	1.45
651	1053014:0001	C	ZB 10, LGS: 1-10	Preprinted marker strip from 1 to 10	UK 10 N, UK 6.3 HESI, UK 10.3 HESI, UK 6.3 HESILED 24, UK 6.3 HESILA 250	1.84	1.62	1.47
651	0805807:0011	D	ZB 4: QR: 11-20	Preprinted marker strip from 11 to 20	UK 1.5 N	1.87	1.64	1.49
651	1050017:0011	D	ZB 5, LGS: 11-20	Preprinted marker strip from 11 to 20	MBK 3/EZ, UK 2.5 N	1.18	1.04	.94
651	1051016:0011	D	ZB 6, LGS: 11-20	Preprinted marker strip from 11 to 20	MBK 5/EZ, UK 5 N, UKK 5, SLKK 5, DIKD 1.5-TG, DIK 1.5, DIKD1.5, UK 4-TG, UDK 4-TG, UKK 5-TG, UT 4	1.18	1.04	.94
651	1052015:0011	D	ZB 8, LGS: 11-20	Preprinted marker strip from 11 to 20	UK 6 N, UK 5 HESI, UK 5 HESILED 24, UK 5 HESILA 250	1.82	1.60	1.45
651	1053014:0011	D	ZB 10, LGS: 11-20	Preprinted marker strip from 11 to 20	UK 10 N, UK 6.3 HESI, UK 10.3 HESI, UK 6.3 HESILED 24, UK 6.3 HESILA 250	1.84	1.62	1.47
651	1051993	–	M-PEN	Black Marking Pen	(Use with all unprinted marking strips)	12.13	10.67	9.67

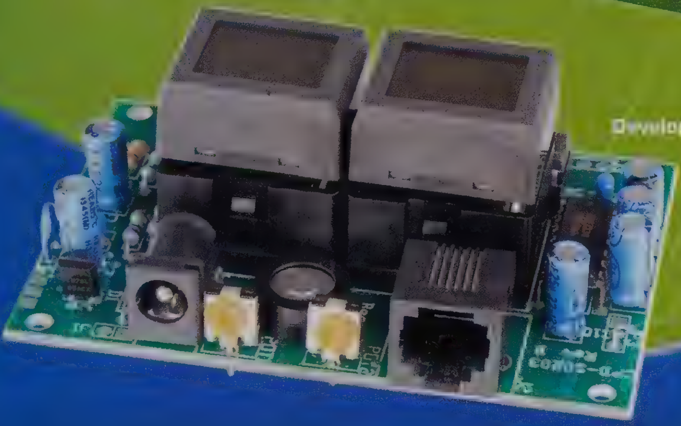
Sponsored by:

Simple Design Solutions to Complex Applications

NKK® SWITCHES



Demonstration Kits
Pg. 2047



Development Kits
Pg. 2047

SMARTSWITCH™
ACTIVATIONS MADE SIMPLE

For greater production efficiency and design flexibility, rely on NKK's SmartSwitch™ series of LCD programmable switches and displays. NKK's SmartSwitch development and demonstration kits are cost-effective tools for rapidly prototyping new design ideas and reducing development cost. Give your designs the green light and order your kit today!

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser! For more information or to purchase NKK products online, visit *www.mouser.com/nkk* today!

www.mouser.com/nkk (800) 346-6873

MOUSER® ELECTRONICS
a tti company

*The Newest Products
For Your Newest Designs*

The NEWEST Semiconductors | Passives | Interconnects | Power | Electromechanical | Test, Tools & Supplies from Mouser Electronics

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. Other products, logos, and company names mentioned herein, may be trademarks of their respective owners.

SWITCHES

Basic / Snap Switches

E-Switch 1363
Cherry Electrical Products 1364-1368
Micro Switch 1370-1371
Mountain Switch 1368-1369
Omron 1372-1377
Tyco Electronics 1373

Tactile Switches

ALPS 1378-1380
APEM 1381
Cherry Electrical Products 1381
E-Switch 1383-1384
Mountain Switch 1385-1387
NKK Switches 1388
Omron 1381-1382

Detection Switches

ALPS 1389-1390
Mountain Switch 1391
Omron 1392

Directional Switches & Encoders

Alpha 1395
ALPS 1393-1395
BEI Duncan 1396
Bourns 1397
Electroswitch 1398
Piher 1397

Pushbutton Switches

Alcoswitch/Tyco Electronics 1399-1400
Alpha 1401
APEM 1402
Bulgin 1403
C&K 1404-1405
Carling Technologies 1406
E-Switch 1407-1408
Electroswitch 1408
ITW Switches 1409-1411
Lorlin 1411
Mountain Switch 1412-1414
NKK Switches 1415-1422
Omron 1423-1428
Schurter 1429-1430
Shin Chin 1431-1432

Toggle Switches

Alcoswitch/Tyco Electronics 1433-1435
APEM 1435
C&K 1436-1437
Carling Technologies 1438
E-Switch 1439
Electroswitch 1439
Mountain Switch 1440-1445
NKK Switches 1446-1449
Shin Chin 1445

Rocker / Paddle Switches

APEM 1450
C&K 1453
Carling Technologies 1450-1452
Cherry Electrical Products 1454
CW Industries 1455
E-Switch 1456
Mountain Switch 1457-1460
NKK Switches 1461-1462
Shin Chin 1460, 1463

Slide Switches

Alcoswitch/Tyco Electronics 1464
Alpha 1470
ALPS 1465
C&K/ITT 1466-1467
CW Industries 1468
E-Switch 1468
Mountain Switch 1469-1470
NKK Switches 1471
Shin Chin 1470

Magnetic / Reed / Tilt Switches

Amseco 1472
Coto Technology 1473
Mountain Switch 1474
OncQue 1474

DIP / SIP Switches

Alcoswitch/Tyco Electronics 1475
C&K 1476
Mountain Switch 1477-1478
Omron 1479

Rotary Switches

Alpha 1480-1481
C&K 1482
Electroswitch 1483-1486
Lorlin 1487
NKK Switches 1488

Coded Rotary Switches

APEM 1489
Bourns 1489
C&K 1489
Lorlin 1490
Mountain Switch 1491
Omron 1490

Thumbwheel / Pushwheel Switches

C&K 1492
Cherry Electrical Products 1492
Mountain Switch 1493
Omron 1493

Switch Seals

APM Hexseal 1494

Keylock / Selector Switches

APEM 1495
NKK Switches 1495
Omron 1496-1497

Limit Switches

Omron 1498-1499

RELAYS

Frequency Relays

Omron 1500
Teledyne 1501-1504

PCB-Low-Signal Relays

Axicom/Tyco Electronics 1505-1506
Fujitsu 1507-1508
NEC 1509-1510
Omron 1511-1513

PCB-General Purpose Relays

Fujitsu 1514-1515
Magnecraft 1516-1517
OEG/Tyco Electronics 1523-1525
Omron 1518-1522
P&B/Tyco Electronics 1526-1527
Schrack/Tyco Electronics 1525

Automotive Relays

Fujitsu 1528
NEC 1528
Omron 1529
P&B/Tyco Electronics 1529

Reed Relays

Coto Technology 1530-1532
Magnecraft 1533
OEG/Tyco Electronics 1534
P&B/Tyco Electronics 1534

Solid State Relays & I/O Modules

CII (Continental Industries) 1535-1536
Clare 1537
Crouzet 1538-1539
Crydom 1540-1547
Magnecraft 1548
NEC 1549
Omron 1550-1552
P&B/Tyco Electronics 1553
Sharp 1554
Teledyne 1555-1556
Vishay 1557

General Purpose / Industrial Relays

Magnecraft 1558-1562
OEG/Tyco Electronics 1570
Omron 1563-1570
P&B/Tyco Electronics 1571-1575
Phoenix Contact 1576-1577
Schrack/Tyco Electronics 1570
Song Chuan 1578

ELECTROMECHANICAL

Controllers, Counters & Timers

Omron 1579-1584

Motors & Drives

Applied Motion 1585-1586
Autotrol 1587

Thermal Printers

Fujitsu 1588
Seiko 1589-1590

Keyboards & Peripherals

Cherry Electrical Products 1591

Circuit Breakers

Altech 1592-1594
Carling Technologies 1595-1596
Phoenix Contact 1597
P&B/Tyco Electronics 1598-1599
Schurter 1600

Audio

Amseco 1601
Digisound 1601
Horn 1602
Kobitone 1602-1605
Mallory Sonalert Products 1606-1608
Projects Unlimited 1609-1613

Knobs

Alcoswitch/Tyco Electronics 1614
Davies Molding 1615
Eagle Plastic Devices 1616-1617
Re'an 1618

Hardware

3M 1619
Altech 1620
APM Hexseal 1621
Eagle Plastic Devices 1622-1631
Fascomp 1632
Harwin 1633
Heyco 1634-1637
Keystone 1619, 1622, 1638-1643

SENSORS

Motion & Position Sensors

ALPS 1644
BEI Duncan 1645
Piher 1644
Vishay 1644

Speed & Proximity Sensors

Cherry Electrical Products 1646
Omron 1647-1649

Photomicrosensors

Omron 1650-1651

Photoelectric Sensors

Omron 1652-1654

Fiber Optic Sensors

Omron 1654

Optical Devices

Omron 1655

Vibration & Tilt Sensors

ALPS 1656
Omron 1656

Current Sensors

Tamura 1657

Liquid Level & Reed Sensors

Meder 1658

Pressure Sensors

ALL Sensors 1659-1660
Freescale 1661-1663
MSI Sensors 1664-1665

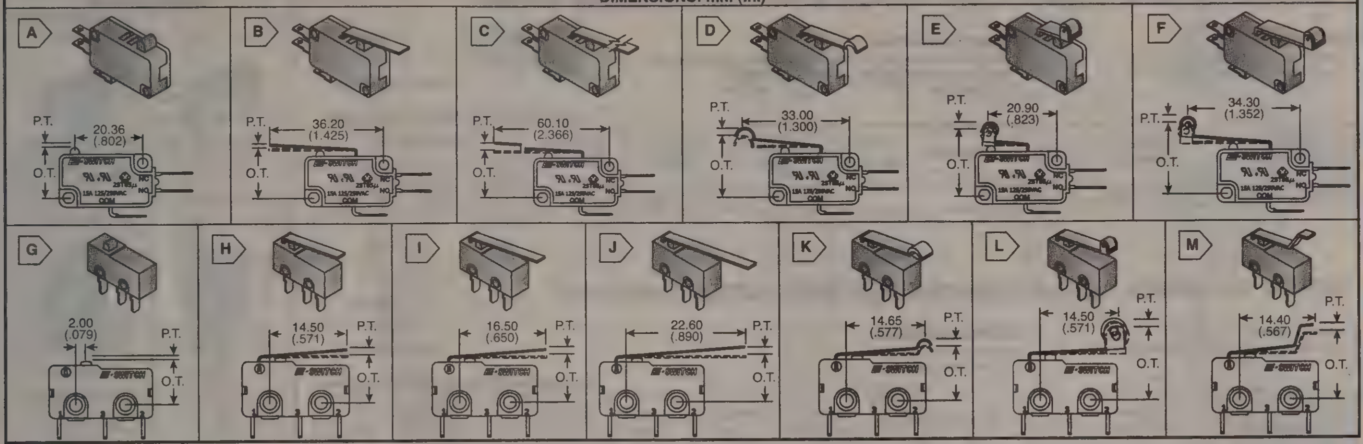
RFID Sensors

Omron 1666

E-SWITCH Snap Action Switches

E•SWITCH

DIMENSIONS: mm (in.)



E-SWITCH LS SERIES: STANDARD SNAP ACTION SWITCHES

Specifications:
- Mechanical Life: 1M cycles typical
- Dielectric Strength: 1,500 VAC for 60 seconds
- Life Expectancy: 50,000 cycles minimum

Features:
- Available in silver (std) or gold contact
- Terminals: Copper Alloy

Typical Applications:
- Timing controls
- Vending machines
- Gaming

P.T.: Pretravel
O.T.: Operating Point

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Current Rating	Termination	Circuit	Price Each				
						1	25	50	100	500
612-LS0851500F100C1A	LS0851500F100C1A	A	15A	0.187"Quick Connect	SPDT	1.80	1.62	1.38	1.14	.96
612-LS0851500F100C2A	LS0851500F100C2A	A	15A	0.250"Quick Connect	SPDT	1.59	1.43	1.22	1.01	.85
612-LS0851500F100S1A	LS0851500F100S1A	A	15A	Solder Lug	SPDT	1.59	1.43	1.22	1.01	.85
612-LS0851500F160C1A	LS0851500F160C1A	A	15A	0.187"Quick Connect	SPDT	1.59	1.43	1.22	1.01	.85
612-LS0851500F160C2A	LS0851500F160C2A	A	15A	0.250"Quick Connect	SPDT	1.59	1.43	1.22	1.01	.85
612-LS0851502F045S1A	LS0851502F045S1A	B	15A	Solder Lug	SPDT	1.65	1.49	1.27	1.05	.88
612-LS0851502F075C1A	LS0851502F075C1A	B	15A	0.187"Quick Connect	SPDT	1.65	1.49	1.27	1.05	.88
612-LS0851502F075S1A	LS0851502F075S1A	B	15A	Solder Lug	SPDT	1.65	1.49	1.27	1.05	.88
612-LS0851503F040C1A	LS0851503F040C1A	C	15A	0.187"Quick Connect	SPDT	1.65	1.49	1.27	1.05	.88
612-LS0851503F040C1C	LS0851503F040C1C	C	15A	0.187"Quick Connect	SPST NO	1.65	1.49	1.27	1.05	.88
612-LS0851504F085C1A	LS0851504F085C1A	D	15A	0.187"Quick Connect	SPDT	1.65	1.49	1.27	1.05	.88
612-LS0851504F140C1A	LS0851504F140C1A	D	15A	0.187"Quick Connect	SPDT	1.71	1.54	1.31	1.08	.91
612-LS0851505F250C1A	LS0851505F250C1A	E	15A	0.187"Quick Connect	SPDT	1.77	1.59	1.36	1.12	.94
612-LS0851506F120C1A	LS0851506F120C1A	F	15A	0.187"Quick Connect	SPDT	1.77	1.59	1.36	1.12	.94

E-SWITCH MS SERIES: SNAP ACTION SWITCHES - MINIATURE

Specifications:
- Mechanical Life : 100,000 cycles typical
- Operating Temperature: -25° C to 85° C (std)

P.T.: Pretravel
O.T.: Operating Point

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Current Rating	Termination	Circuit	Price Each				
						1	25	50	100	500
612-MS0850500F060C1A	MS0850500F060C1A	G	5A	0.110" Quick Connect	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F060S1A	MS0850500F060S1A	G	5A	Solder Lug	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F080C1A	MS0850500F080C1A	G	5A	0.110" Quick Connect	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F080P1A	MS0850500F080P1A	G	5A	PCB Pin	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F080S1A	MS0850500F080S1A	G	5A	Solder Lug	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F130P1A	MS0850500F130P1A	G	5A	PCB Pin	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F150C1A	MS0850500F150C1A	G	5A	0.110" Quick Connect	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F150P1A	MS0850500F150P1A	G	5A	PCB Pin	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F250S1A	MS0850500F250S1A	G	5A	Solder Lug	SPDT	1.02	.92	.78	.65	.54
612-MS0850500F295S1A	MS0850500F295S1A	G	5A	Solder Lug	SPDT	1.02	.92	.78	.65	.54
612-MS0850501F025C1A	MS0850501F025C1A	H	5A	0.110" Quick Connect	SPDT	1.08	.97	.83	.68	.58
612-MS0850501F045S1A	MS0850501F045S1A	H	5A	Solder Lug	SPDT	1.08	.97	.83	.68	.58
612-MS0850501F070S1A	MS0850501F070S1A	H	5A	Solder Lug	SPDT	1.08	.97	.83	.68	.58
612-MS0850502F020S1A	MS0850502F020S1A	I	5A	Solder Lug	SPDT	1.08	.97	.83	.68	.58
612-MS0850502F030P1A	MS0850502F030P1A	I	5A	PCB Pin	SPDT	1.08	.97	.83	.68	.58
612-MS0850502F050S1A	MS0850502F050S1A	I	5A	Solder Lug	SPDT*	1.08	.97	.83	.68	.58
612-MS0850503F010P1A	MS0850503F010P1A	J	5A	PCB Pin	SPDT	1.08	.97	.83	.68	.58
612-MS0850503F010S1A	MS0850503F010S1A	J	5A	Solder Lug	SPDT	1.08	.97	.83	.68	.58
612-MS0850503F025P1A	MS0850503F025P1A	J	5A	PCB Pin	SPDT	1.08	.97	.83	.68	.58
612-MS0850503F025S1A	MS0850503F025S1A	J	5A	Solder Lug	SPDT	1.08	.97	.83	.68	.58
612-MS0850503F040S1A	MS0850503F040S1A	J	5A	Solder Lug	SPDT	1.08	.97	.83	.68	.58
612-MS0850503F055P1A	MS0850503F055P1A	J	5A	PCB Pin	SPDT	1.08	.97	.83	.68	.58
612-MS0850504F020S1A	MS0850504F020S1A	K	5A	Solder Lug	SPDT	1.11	1.00	.85	.70	.59
612-MS0850504F035C1A	MS0850504F035C1A	K	5A	0.110" Quick Connect	SPDT	1.11	1.00	.85	.70	.59
612-MS0850504F035P1A	MS0850504F035P1A	K	5A	PCB Pin	SPDT	1.11	1.00	.85	.70	.59
612-MS0850504F035S1A	MS0850504F035S1A	K	5A	Solder Lug	SPDT	1.11	1.00	.85	.70	.59
612-MS0850504F045P1A	MS0850504F045P1A	K	5A	PCB Pin	SPDT	1.11	1.00	.85	.70	.59
612-MS0850504F065C1A	MS0850504F065C1A	K	5A	0.110" Quick Connect	SPDT	1.11	1.00	.85	.70	.59
612-MS0850505F035C1A	MS0850505F035C1A	L	5A	0.110" Quick Connect	SPDT	1.17	1.05	.90	.74	.62
612-MS0850505F045S1A	MS0850505F045S1A	L	5A	Solder Lug	SPDT	1.17	1.05	.90	.74	.62
612-MS0850505F050C1A	MS0850505F050C1A	L	5A	0.110" Quick Connect	SPDT	1.17	1.05	.90	.74	.62
612-MS0850505F050P1A	MS0850505F050P1A	L	5A	PCB Pin	SPDT	1.17	1.05	.90	.74	.62
612-MS0850505F075S1A	MS0850505F075S1A	L	5A	Solder Lug	SPDT	1.17	1.05	.90	.74	.62
612-MS0850507F025C1A	MS0850507F025C1A	M	5A	0.110" Quick Connect	SPDT	1.11	1.00	.85	.70	.59
612-MS0850507F040S1A	MS0850507F040S1A	M	5A	Solder Lug	SPDT	1.11	1.00	.85	.70	.59

CHERRY DZ SERIES: SUBMINIATURE SWITCH WITH POSITIVE BREAK ACTION

Specifications:
- Switching high inductive loads 3 (3) A 250 V ~ 5E4
- Approved according to ENEC and UL

Typical Applications:
- Electrical drives for sun-blinds, adjustable beds, armchairs, doors, gates
- Auxiliary switches for medium-voltage systems
- Limit switches

NEW FROM SUPPLIER

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
540-DZ1F-B1BA	DZ1F-B1BA	A	.100 QC	-----	Button	220 cN max.	8.4 +0.3/-0.2	4.46	3.57	2.94	2.68

CHERRY DH SERIES: ULTRA-SUBMINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .323L x .106W x .238H

Typical Applications:
- Photographic Equipment
- Telecommunications

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
5-50mA @ 30 VDC											
540-DH4C-B1AA	DH4C-B1AA	B	Insertion Molded	-----	Button	90g	.220±.006	4.10	3.28	2.70	2.46
540-DH4C-B1LA	DH4C-B1LA	C	Insertion Molded	.217 ±.008	Lever	50g	.264±.020	4.25	3.40	2.81	2.55
540-DH4C-C5LA	DH4C-C5LA	D	Insertion Molded Right	.217 ±.008	Lever	50g	.264±.020	4.33	3.47	2.86	2.60
540-DH4C-C6LA	DH4C-C6LA	E	Insertion Molded Left	.217 ±.008	Lever	50g	.264±.020	4.33	3.47	2.86	2.60
50-300mA @ 30VDC											
540-DH3C-B1AA	DH3C-B1AA	B	Insertion Molded	-----	Button	90g	.220±.006	2.42	1.93	1.59	1.45
540-DH3C-B1LA	DH3C-B1LA	C	Insertion Molded	.217 ±.008	Lever	50g	.264±.020	2.50	2.00	1.65	1.50
540-DH3C-C6LA	DH3C-C6LA	E	Insertion Molded Left	.217 ±.008	Lever	50g	.264±.020	2.55	2.04	1.68	1.53

CHERRY DG SERIES: SUB-SUBMINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .504L x .228W x .255H

Typical Applications:
- Automotive
- Computer
- Medical Equipment

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
50mA 30 VDC											
540-DG23-B1AA	DG23-B1AA	F	Insertion Molded	-----	Button	140	.213±.008	3.60	2.88	2.37	2.16
540-DG23-B1LA	DG23-B1LA	G	Insertion Molded	0.169	Straight	140	.268+.031/-.016	3.70	2.96	2.44	2.22
540-DG23-B1RA	DG23-B1RA	H	Insertion Molded	0.075	Roller	140	.488±.020	3.83	3.07	2.53	2.30
540-DG23-B3LA	DG23-B3LA	I	Insertion Molded Left	0.169	Straight	140	.268+.031/-.016	3.83	3.07	2.53	2.30
3A 125 VAC, 2A 30 VDC											
540-DG13-B1AA	DG13-B1AA	F	Insertion Molded	-----	Button	140	.213±.008	3.31	2.65	2.18	1.98
540-DG13-B1LA	DG13-B1LA	G	Insertion Molded	0.169	Straight	140	.268+.031/-.016	3.47	2.77	2.29	2.08
540-DG13-B1RA	DG13-B1RA	H	Insertion Molded	0.075	Roller	140	.488±.020	3.60	2.88	2.37	2.16

CHERRY DB SERIES: SUBMINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .787L x .256W x .355H
- DBxA: NO
- DBxB: NC
- DBxC: DT

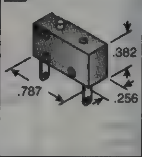
Typical Applications:
- Amusement Machines
- Industrial Controls

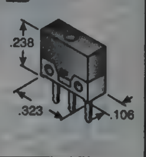
RoHS Compliant

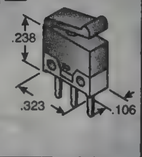
For quantities greater than 500, call for quote.

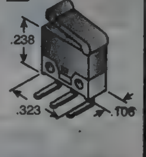
MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
UL 0.1A, 125-250 VAC; VDE 100mA, 250V											
540-DB3C-B1AA	DB3C-B1AA	J	.110 x 0.20 QC	-----	Button	150g	.330±.012	1.89	1.51	1.25	1.13
540-DB3C-A1AA	DB3C-A1AA	K	.110 Short Solder	-----	Button	150g	.330±.012	1.84	1.47	1.21	1.10
540-DB3C-B1LB	DB3C-B1LB	L	.110 x 0.20 QC	0.189	Lever SR	60g	.421±.051	2.39	1.91	1.58	1.43
540-DB3C-B1SC	DB3C-B1SC	M	.110 x 0.20 QC	0.185	Strght w/Sim. Roller SR	55g	.646±.059	2.39	1.91	1.58	1.43
540-DB3C-C1AA	DB3C-C1AA	N	.051 x 0.20 PCB	-----	Button	150g	.330±.012	1.84	1.47	1.21	1.10
UL 5.0A, 125-250 VAC; VDE 6A, 250V											
540-DB1C-A1AA	DB1C-A1AA	K	.110 Short Solder	-----	Button	150g	.330±.012	1.71	1.37	1.13	1.02
540-DB1A-C1AA	DB1A-C1AA	-----	.051 x 0.20 PCBNC	-----	Button	150g	.330±.012	1.68	1.34	1.11	1.01
540-DB1C-A1LB	DB1C-A1LB	P	.110 Short Solder	0.189	Lever SR	60g	.421±.051	2.21	1.76	1.46	1.32
540-DB1C-B1AA	DB1C-B1AA	J	.110 x 0.20 QC		Button	150g	.330±.012	1.71	1.37	1.13	1.02
540-DB1C-B1RC	DB1C-B1RC	Q	.110 x 0.20 QC	0.185	Roller SR	55g	.638±.059	3.20	2.56	2.11	1.92
540-DB1C-C1AA	DB1C-C1AA	N	.051 x 0.20 PCB	-----	Button	150g	.330±.012	1.71	1.37	1.13	1.02
540-DB1C-D1AA	DB1C-D1AA	N	.024 x 0.20 PCB	-----	Button	150g	.330±.012	1.71	1.37	1.13	1.02
540-DB1C-D5AA	DB1C-D5AA	O	.024 x 0.20 PCB	-----	Button	150g	.330±.012	1.92	1.53	1.27	1.15
UL 10.1A, 125-250 VAC 1/4 HP, 125 VAC; VDE 10 (1.5) A, 250V											
540-DB2C-A1RC	DB2C-A1RC	R	.110 Short Solder	0.185	Roller SR	95g	.638±.071	3.18	2.54	2.10	1.91
540-DB2C-B1AA	DB2C-B1AA	J	.110 x 0.20 QC	-----	Button	250g	.330±.012	1.71	1.37	1.13	1.02
540-DB2C-B1RC	DB2C-B1RC	Q	.110 x 0.20 QC	0.185	Roller SR	95g	.638±.071	3.20	2.56	2.11	1.92
540-DB2C-C1AA	DB2C-C1AA	N	.051 x 0.20 PCB	-----	Button	250g	.330±.012	1.71	1.37	1.13	1.02

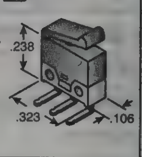
DIMENSIONS: In.

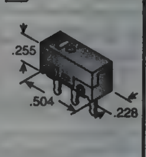
A


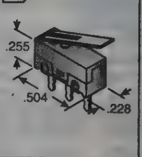
B


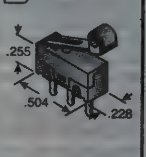
C


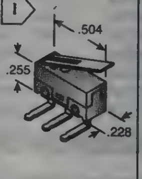
D


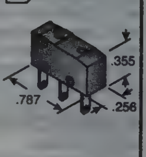
E


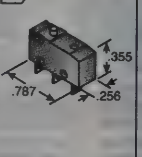
F


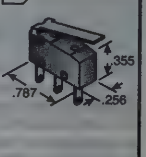
G


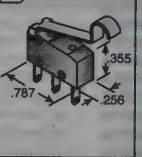
H


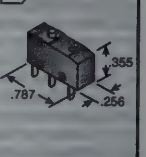
I


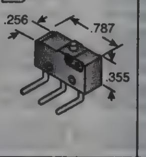
J


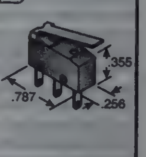
K


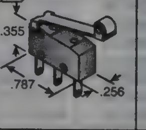
L


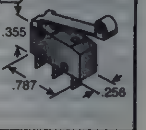
M


N


O


P


Q


R


CHERRY Snap Action Switches

CHERRY E SERIES: SUBMINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .781L x .250W x .352H

Typical Applications:
- Amusement Machines
- Appliances

OR RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
0.1A, 125 VAC											
540-E63-00H	E63-00H	A	.093 Q.C.	0.271	Straight	27g	0.350±0.030	7.50	6.00	4.95	4.50
540-E63-00K	E63-00K	B	.093 Q.C.	0.201	Roller	30g	0.570±0.030	8.02	6.41	5.29	4.81
540-E63-10H	E63-10H	C	.143 Short Solder	0.271	Straight	27g	0.350±0.030	7.50	6.00	4.95	4.50
540-E63-10K	E63-10K	D	.143 Short Solder	0.201	Roller	30g	0.570±0.030	8.02	6.41	5.29	4.81
540-E63-30K	E63-30K	B	.110 Q.C.	0.201	Roller	30g	0.570±0.030	8.02	6.41	5.29	4.81
5A, 125/250 VAC											
540-E61-00A	E61-00A	E	.093 Q.C.	-----	Button	90g	0.330±0.015	3.29	2.63	2.17	1.98
540-E61-00H	E61-00H	A	.093 Q.C.	0.271	Straight	27g	0.350±0.030	4.73	3.78	3.12	2.84
540-E61-00K	E61-00K	B	.093 Q.C.	0.201	Roller	30g	0.570±0.030	5.04	4.03	3.32	3.02
540-E61-10A	E61-10A	F	.143 Short Solder	-----	Button	90g	0.330±0.015	3.29	2.63	2.17	1.98
540-E61-10H	E61-10H	C	.143 Short Solder	0.271	Straight	27g	0.350±0.030	4.73	3.78	3.12	2.84
540-E61-10K	E61-10K	D	.143 Short Solder	0.201	Roller	30g	0.570±0.030	5.04	4.03	3.32	3.02
540-E61-30A	E61-30A	E	.110 Q.C.	-----	Button	90g	0.330±0.015	3.29	2.63	2.17	1.98
540-E61-30K	E61-30K	B	.110 Q.C.	0.201	Roller	27g	0.350±0.030	5.04	4.03	3.32	3.02
540-E61-50H	E61-50H	A	.093 Q.C.	0.396	Straight HR	9g	0.350±0.175	4.73	3.78	3.12	2.84
540-E61-60H	E61-60H	C	.143 Short Solder	0.396	Straight HR	9g	0.350±0.175	4.73	3.78	3.12	2.84
10.1A, 125/250 VAC											
540-E62-00A	E62-00A	E	.093 Q.C.	-----	Button	212g	0.330±0.015	3.72	2.98	2.46	2.23
540-E62-00H	E62-00H	A	.093 Q.C.	0.271	Straight	5g6	0.350±0.030	4.73	3.78	3.12	2.84
540-E62-00K	E62-00K	B	.093 Q.C.	0.201	Roller	65g	0.570±0.030	5.44	4.35	3.59	3.26
540-E62-10A	E62-10A	F	.143 Short Solder	-----	Button	212g	0.330±0.015	3.72	2.98	2.46	2.23
540-E62-10H	E62-10H	C	.143 Short Solder	0.271	Straight	5g6	0.350±0.030	4.73	3.78	3.12	2.84
540-E62-10K	E62-10K	D	.143 Short Solder	0.201	Roller	65g	0.570±0.030	5.44	4.35	3.59	3.26
540-E62-30A	E62-30A	E	.110 Q.C.	-----	Button	212g	0.330±0.015	3.72	2.98	2.46	2.23
540-E62-30K	E62-30K	B	.110 Q.C.	0.201	Roller	65g	0.570±0.030	5.44	4.35	3.59	3.26
540-E62-50K	E62-50K	B	.093 Q.C.	0.326	Roller HR	33g	0.570±0.158	5.44	4.35	3.59	3.26
540-E62-60H	E62-60H	C	.143 Short Solder	0.396	Straight HR	20g	0.350±0.175	4.73	3.78	3.12	2.84

CHERRY DC SERIES: SEALED SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .783L x .256W x .365H

Typical Applications:
- Automotive
- Lawn and Garden
- Power Tools

05 RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
UL 0.1A, 125 VAC ENEC 0.1A, 250 VAC											
540-DC3C-A1AA	DC3C-A1AA	G	.110 Short Solder	-----	Button	200g	.331±.012	5.82	4.65	3.84	3.49
540-DC3C-A1LB	DC3C-A1LB	H	.110 Short Solder	0.189	Straight	80g	.331±.012	7.17	5.73	4.73	4.30
UL 5.0A, 125-250 VAC, ENEC 6 A, 250 VAC											
540-DC1C-A1AA	DC1C-A1AA	G	.110 Short Solder	-----	Button	200g	.331±.012	3.97	3.18	2.62	2.38
540-DC1C-A1LB	DC1C-A1LB	H	.110 Short Solder	0.189	Straight	200g	.331±.012	4.41	3.53	2.91	2.65
540-DC1C-A1RB	DC1C-A1RB	I	.110 Short Solder	0.098	Roller	200g	.331±.012	8.49	6.79	5.60	5.09
10.1A, 125-250 VAC, ENEC 0.1A, 250 VAC											
540-DC2C-A1AA	DC2C-A1AA	G	.110 Short Solder	-----	Button	340g	.331±.012	4.39	3.51	2.89	2.63
540-DC2C-A1LB	DC2C-A1LB	H	.110 Short Solder	0.189	Straight	150g	.331±.012	5.18	4.15	3.42	3.11

CHERRY D4 SERIES: MINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) 1.095L x .406W x .625H

Typical Applications:
- Appliances
- Office Equipment
- Vending Machines
- Microwave Ovens

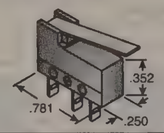
RoHS Compliant

For quantities greater than 500, call for quote.

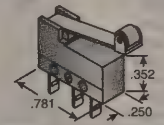
MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
0.1A, 125/250 VAC											
540-D41C-R1AA	D41C-R1AA	J	.187 Q.C.	-----	Button	75g	.558-.598	4.41	3.53	2.91	2.65
540-D41C-R1LD	D41C-R1LD	K	.187 Q.C.	1.4	Straight	40g	.555-.645	4.83	3.86	3.18	2.90
3A, 125/250 VAC											
540-D42L-R1XL	D42L-R1XL	K	.187 Q.C.	2.757	Straight	2g	.425-.775	4.27	3.42	2.82	2.56
5A, 1/4 HP 125/250 VAC											
540-D43C-R1RA	D43C-R1RA	L	.187 Q.C.	0.81	Roller	170g	.776-.836	3.47	2.78	2.29	2.08
540-D43L-R1ML	D43L-R1ML	K	.187 Q.C.	2.932	Straight	6g	.442-.775	3.36	2.69	2.22	2.02
10A, 1/2 H.P 125/250 VAC											
540-D44C-R1AA	D44C-R1AA	J	.187 Q.C.	-----	Button	285g	.558-.598	2.43	1.94	1.60	1.46
540-D44C-R1RA	D44C-R1RA	L	.187 Q.C.	0.81	Roller	285g	.776-.836	3.18	2.54	2.10	1.91
540-D44L-R1AA	D44L-R1AA	J	.187 Q.C.	-----	Button	75g	.558-.598	2.65	2.12	1.75	1.59
540-D44L-R1LD	D44L-R1LD	K	.187 Q.C.	1.4	Straight	37g	.555-.645	2.92	2.34	1.93	1.75
540-D44L-R1ML	D44L-R1ML	K	.187 Q.C.	2.932	Straight	10g	.425-.775	3.14	2.51	2.07	1.89
540-D44L-R1RA	D44L-R1RA	L	.187 Q.C.	0.81	Roller	75g	.776-.836	3.53	2.82	2.33	2.12
15A, 1/2 HP 125/250 VAC											
540-D45C-R1AA	D45C-R1AA	J	.187 Q.C.	-----	Button	400g	.558-.598	2.90	2.32	1.91	1.74
540-D45L-R1AA	D45L-R1AA	J	.187 Q.C.	-----	Button	100g	.558-.598	2.90	2.32	1.91	1.74

DIMENSIONS: In.

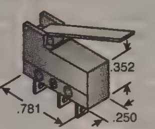
A



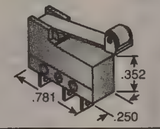
B



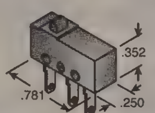
C



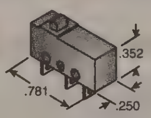
D



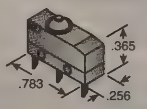
E



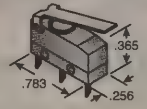
F



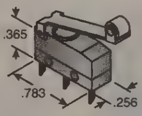
G



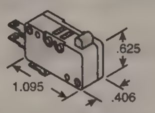
H



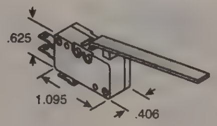
I



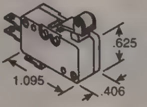
J



K



L



CHERRY Snap Action Switches

CHERRY

CHERRY E SERIES: MINIATURE SNAP ACTION SWITCHES

Specifications:
- Terminals: .187" Q.C.
- Package Size (In.) 1.093L x .406W x .625H

Typical Applications:
- Appliances
- Office Equipment
- Vending Machines

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
							1	50	100	250
Rating: 0.1A-125 VAC										
540-E21-00K	E21-00K	B	0.81	Roller	75g	0.806±0.030	6.10	4.88	4.02	3.66
540-E21-50H	E21-50H	C	1.4	Straight	35g	0.600±0.045	5.62	4.49	3.71	3.37
540-E21-50K	E21-50K	B	1.34	Roller	35g	0.806±0.045	6.46	5.17	4.26	3.88
540-E21-85HX	E21-85HX	C	2.932	Straight	2g	0.600±0.175	6.10	4.88	4.02	3.66
Rating: 3A-125/250 VAC, 1/10 HP-250 VAC										
540-E22-00A	E22-00A	A	-----	Button	75g	0.578±0.020	3.03	2.43	2.00	1.82
540-E22-00AX	E22-00AX	A	-----	Button	15g	0.578±0.020	3.32	2.65	2.19	1.99
540-E22-00K	E22-00K	B	0.81	Roller	75g	0.806±0.030	4.08	3.26	2.69	2.45
540-E22-50H	E22-50H	C	1.4	Straight	35g	0.600±0.045	3.46	2.76	2.28	2.07
540-E22-50HX	E22-50HX	C	1.4	Straight	8g	0.600±0.045	3.71	2.97	2.45	2.22
540-E22-50KL	E22-50KL	B	1.516	Roller	25g	0.806±0.075	4.08	3.26	2.69	2.45
540-E22-55HX	E22-55HX	C	2.757	Straight	4g	0.600±0.100	3.71	2.97	2.45	2.22
540-E22-85HX	E22-85HX	C	2.932	Straight	2g	0.600±0.175	3.88	3.10	2.56	2.33
Rating: 5A 1/4 H.P., 125/250 VAC										
540-E23-00A	E23-00A	A	-----	Button	170g	0.578±0.020	2.81	2.25	1.85	1.69
540-E23-00AX	E23-00AX	A	-----	Button	45g	0.578±0.020	3.03	2.43	2.00	1.82
540-E23-00K	E23-00K	B	0.81	Roller	170g	0.806±0.030	4.16	3.33	2.74	2.49
540-E23-50K	E23-50K	B	1.34	Roller	86g	0.806±0.045	4.16	3.33	2.74	2.49
540-E23-55HX	E23-55HX	C	2.757	Straight	10g	0.600±0.100	3.82	3.06	2.52	2.29
540-E23-85HX	E23-85HX	C	2.932	Straight	6g	0.600±0.175	3.82	3.06	2.52	2.29
Rating: 10A 1/2 H.P., 125/250 VAC										
540-E33-50H	E33-50H	C	1.4	Straight	144g	0.600±0.045	3.09	2.47	2.04	1.85
540-E33-50K	E33-50K	B	1.34	Roller	144g	0.806±0.045	3.60	2.88	2.37	2.16
540-E33-85HX	E33-85HX	C	2.932	Straight	10g	0.600±0.175	3.79	3.03	2.50	2.28
Rating: 15A 1/2 H.P., 125/250 VAC										
540-E34-00A	E34-00A	A	-----	Button	400g	0.578±0.020	3.09	2.47	2.04	1.85
540-E34-00K	E34-00K	B	0.81	Roller	400g	0.806±0.030	3.99	3.19	2.63	2.39
540-E34-50H	E34-50H	C	1.4	Straight	200g	0.600±0.045	3.43	2.74	2.26	2.06
540-E34-50K	E34-50K	B	1.34	Roller	200g	0.806±0.045	3.93	3.15	2.60	2.36
540-E34-55HX	E34-55HX	C	2.757	Straight	22g	0.600±0.100	3.48	2.79	2.30	2.09
540-E34-85HX	E34-85HX	C	2.932	Straight	13g	0.600±0.175	3.65	2.92	2.41	2.19

CHERRY K SERIES MINIATURE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) 1.140L x .406W x .625H
- 25A 250 VAC; 1 HP, 125 VAC; 2 HP, 250 VAC

Typical Applications:
- Appliances
- Industrial Controls
- Office Equipment

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
							1	50	100	250
540-KWSA-VACA	KWSA-VACA	D	.250 x .032 Q.C.	Button	225g	.563/.593	3.36	2.69	2.22	2.02

CHERRY E70 SERIES: SEALED SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) .915L x .385W x .880H

Typical Applications:
- Automotive
- Lawn and Garden

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
10.1 Amp, 1/4 H.P., 125/250 VAC											
540-E72-40AT	E72-40AT	E	10" 16 awg Wire Leads	-----	Button	300g	.310±.35	10.82	8.65	7.14	6.49
540-E72-40HT	E72-40HT	F	10" 16 awg Wire Leads	0.858	Straight	67g	.440±.75	11.52	9.21	7.60	6.91
540-E72-40KT	E72-40KT	G	10" 16 awg Wire Leads	0.65	Roller	75g	.762±.125	13.06	10.45	8.62	7.84

CHERRY E SERIES: GENERAL PURPOSE SINGLE POLE SWITCHES

Specifications:
- Terminals: .250" Q.C.
- Package Size (In.) 1.823L x .644W x .640H

Typical Applications:
- Appliances
- Industrial Controls

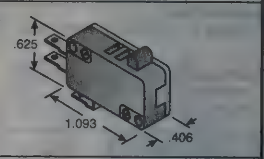
RoHS Compliant

For quantities greater than 500, call for quote.

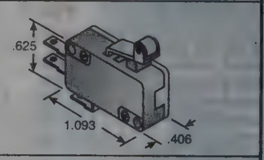
MOUSER STOCK NO.	Cherry Part No.	Fig.	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
							1	50	100	250
Rating: 15A-125/250 VAC, 3/4 HP-125 VAC, 1-1/2 HP-250 VAC										
540-E13-00E	E13-00E	H	-----	Button	425g	0.285±0.020	2.76	2.20	1.82	1.65
540-E13-00H	E13-00H	I	1.5	Straight	100g	0.312±0.062	3.93	3.15	2.60	2.36
540-E13-00J	E13-00J	J	-----	3/8 x 32 thread, plastic button	425g	0.670±0.030	3.21	2.57	2.12	1.93
540-E13-00K	E13-00K	K	1.391	Roller	100g	0.718±0.062	4.76	3.81	3.14	2.86
540-E13-00M	E13-00M	J	-----	3/8 x 32 tread, metal button	425g	0.812±0.030	4.07	3.25	2.68	2.44
540-E13-50H	E13-50H	I	1.75	Straight	65g	0.281±0.062	3.93	3.15	2.60	2.36
Rating: 25A-125/250 VAC, 1HP-125 VAC, 2 HP-250 VAC										
540-E14-00H	E14-00H	I	0.821	Straight	285g	0.468±0.062	4.90	3.92	3.23	2.94
540-E14-00M	E14-00M	J	-----	3/8 x 32 thread, metal button	850g	0.775±0.030	4.84	3.87	3.20	2.91
540-E14-50H	E14-50H	I	1.071	Straight	170g	0.437±0.062	4.82	3.85	3.18	2.89
540-0012-0023	0012-0023	---	---	Brass Hex Nut	---	---	.11	.10	.09	.08

DIMENSIONS: In.

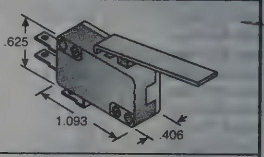
A



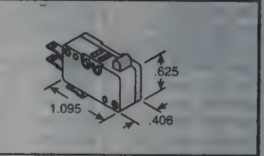
B



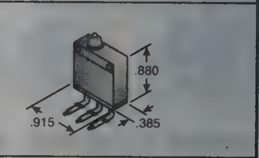
C



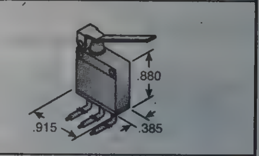
D



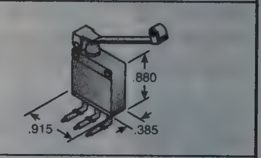
E



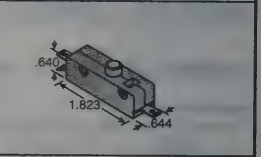
F



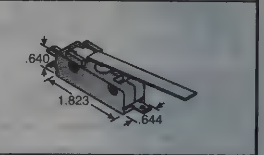
G



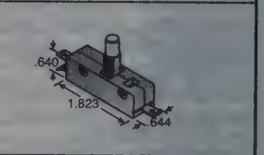
H



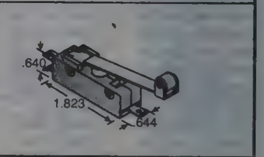
I



J



K



CHERRY Snap Action Switches

CHERRY

CHERRY E SERIES: GENERAL PURPOSE DOUBLE POLE SWITCHES

Specifications:
- Terminals: .250" Q.C.
- Package Size (In.) 1.823L x .644W x 1.125H

Typical Applications:
- Appliances
- Industrial Controls

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Actuator Length (in.)	Actuator Style	Operating Force	Operating Position (in.)	Price Each			
							1	50	100	250
Rating: 15A-125/250VAC, 3/4 HP-125VAC										
540-E19-00A	E19-00A	A	-----	Button	850G	0.285±0.030	6.05	4.84	3.99	3.63
540-E19-00H	E19-00H	B	1.5	Straight	205g	0.312±0.062	7.20	5.76	4.75	4.32
540-E19-00J	E19-00J	C	-----	3/8 x 32 thread, plastic button	850g	0.670±0.030	6.20	4.96	4.09	3.72
540-E19-00K	E19-00K	D	1.39	Roller	212g	0.718±0.062	8.29	6.63	5.47	4.98
540-E19-00M	E19-00M	C	-----	3/8 x 32 thread, metal button	850g	0.812±0.030	6.85	5.48	4.52	4.11
540-E19-50H	E19-50H	B	1.75	Straight	130g	0.281±0.062	6.64	5.31	4.38	3.98
540-E19-50K	E19-50K	D	1.645	Roller	150g	0.687±0.062	7.99	6.39	5.27	4.79
Rating: 20A -125/250VAC, 1HP-125VAC										
540-E20-00A	E20-00A	A	-----	Button	1280g	0.248±0.030	9.07	7.25	5.98	5.44
540-E20-00K	E20-00K	D	0.652	Roller	425g	0.860±0.062	10.67	8.54	7.04	6.40
540-E20-00M	E20-00M	C	-----	3/8 x 32 thread, metal button	1280g	0.774±0.030	10.11	8.09	6.67	6.07
540-E20-50K	E20-50K	D	0.902	Roller	312g	0.828±0.062	11.26	9.01	7.43	6.76
540-0012-0023	0012-0023	---	---	Brass Hex Nut	---	---	.11	.10	.09	.08

CHERRY E SERIES: PANEL MOUNT SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) 1.250L x .680W x .970H

Typical Applications:
- HVAC
- Office Equipment

RoHS Compliant

Single Pole

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Style	Operating Force	Operating Position (in.)	Price Each			
							1	50	100	250
0.1 Amp, 125VAC										
540-E68-00A	E68-00A	E	.187 Q.C.	Button	425g	0.720±0.820	5.43	4.34	3.58	3.26
540-E68-30A	E68-30A	E	.187 Q.C.	Button	475g	0.610±0.710	5.73	4.58	3.78	3.44
540-E68-40A	E68-40A	E	.187 Q.C.	Button	425g	0.300±0.400	5.89	4.71	3.88	3.53
10 Amp, 125/250VAC, 1/3 H.P., 125/250VAC										
540-E69-00A	E69-00A	E	.187 Q.C.	Button	425g	0.610±0.710	3.83	3.06	2.52	2.30
540-E69-30A	E69-30A	E	.187 Q.C.	Button	475g	0.610±0.710	4.55	3.64	3.00	2.73
540-E69-40A	E69-40A	E	.187 Q.C.	Button	425g	0.300±0.400	3.83	3.06	2.52	2.30

Double Pole
- Package Size (in.) 1.570L x .680W x .970H

0.1 Amp, 125 VAC										
540-E78-00A	E78-00A	F	.187 Q.C.	Button	680g	0.720±0.820	10.89	8.71	7.19	6.53
10 Amp, 125/250VAC, 1/3 H.P., 125/250VAC										
540-E79-00A	E79-00A	F	.187 Q.C.	Button	680g	0.720±0.821	6.61	5.29	4.36	3.96
540-E79-30A	E79-30A	F	.187 Q.C.	Button	757g	0.610±0.710	8.43	6.74	5.56	5.06
540-E79-40A	E79-40A	F	.187 Q.C.	Button	680g	0.300±0.400	6.61	5.29	4.36	3.96
540-F79-30A	F79-30A	F	.187 x .032 Q.C.	Button	757g	0.610±0.710	6.91	5.53	4.56	4.15

CHERRY GP SERIES: HEAVY DUTY SNAP ACTION SWITCHES

Features:
- Ultra-small travel differential
- Mechanical life tested to 1 million cycles
- Current switching to 20 amps
- Wide variety of actuators
- Screw or solder terminals standard
- Low operate forces available

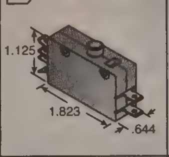
Two versions are available, Replace (_) with: 1 U.S. version mounting holes, 0.140 or 0 Metric version mounting holes, 4.4

For quantities greater than 500, call for quote.

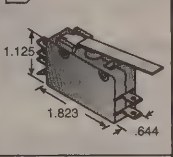
MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (in.)	Actuator Style	Operating Force (oz.)	Operating Position (in.)	Price Each			
								1	50	100	250
15A, 125VAC / 250VAC											
540-GPTCLR_1	GPTCLR_1	G	screw	1.953	Lever	5.3 max.	.653/.717	7.88	6.30	5.20	4.73
540-GPTCRR_1	GPTCRR_1	H	screw	1.811	Lever/Roller	5.3 max.	1.094/1.158	8.09	6.47	5.34	4.85
540-GPTCNA_1	GPTCNA_1	I	screw	-----	Button	5.3 max.	.160/.642	5.80	4.64	3.83	3.48
540-GPTCND_1	GPTCND_1	J	screw	-----	Tall overtravel button	12.3	1.09/1.13	8.19	6.55	5.41	4.91
540-GPSCNC_1	GPSCNC_1	K	solder	-----	Short overtravel button	12.3	.827/.867	7.48	5.99	4.94	4.49
540-GPTCNC_1	GPTCNC_1	K	screw	-----	Short overtravel button	12.3	.827/.867	7.48	5.99	4.94	4.49
540-GPTCNH_1	GPTCNH_1	L	screw	-----	Panel mount plunger	12.3	.826/.890	11.63	9.30	7.68	6.98
540-GPTCRH_1	GPTCRH_1	M	screw	-----	Panel mount roller plunger	12.3	1.240/1.320	17.09	13.67	11.28	10.25
540-GPSCRH_2	GPSCRH_2	N	solder	-----	Panel mount roller plunger	12.3	1.240/1.320	17.09	13.67	11.28	10.25
540-GPTCRH_2	GPTCRH_2	N	screw	-----	Panel mount roller plunger	12.3	1.240/1.320	17.09	13.67	11.28	10.25
540-GPTCLS_1	GPTCLS_1	O	screw	2.5	Lever	2.4	.716/.780	7.09	5.67	4.68	4.25
540-GPTCLS_2	GPTCLS_2	O	screw	1.65	Lever	3.1	.716/.780	6.91	5.52	4.56	4.14
540-GPTCRS_1	GPTCRS_1	P	screw	1.91	Lever/Roller	3.5	1.157/1.221	8.87	7.10	5.86	5.32
540-GPSCRM_1	GPSCRM_1	Q	solder	1.05	Lever/Roller	5.6	1.173/1.205	8.87	7.10	5.86	5.32
540-GPTCRM_1	GPTCRM_1	Q	screw	1.05	Lever/Roller	5.6	1.173/1.205	8.87	7.10	5.86	5.32
540-GPTCRG_1	GPTCRG_1	R	screw	1.05	One-way roller	5.9	1.59/1.658	11.08	8.86	7.31	6.65
20A, 125VAC / 250VAC											
540-GPTBLR_1	GPTBLR_1	G	screw	1.953	Lever	5.3 max.	.653/.717	9.12	6.08	5.08	4.35
540-GPTBNA_1	GPTBNA_1	I	screw	----	Button	5.3 max.	.160/.642	7.23	4.82	4.02	3.45
540-GPTBND_1	GPTBND_1	J	screw	----	Tall overtravel button	12.3	1.09/1.13	9.66	6.44	5.38	4.60
540-GPTBNC_1	GPTBNC_1	K	screw	----	Short overtravel button	12.3	.827/.867	9.15	6.10	5.09	4.36
540-GPTBNH_1	GPTBNH_1	L	screw	----	Panel mount plunger	12.3	.826/.890	13.89	9.26	7.73	6.62
540-GPTBRH_1	GPTBRH_1	N	screw	----	Panel mount roller plunger	12.3	1.240/1.320	20.13	13.42	11.21	9.60
540-GPTBRM_1	GPTBRM_1	Q	screw	1.05	Lever/Roller	5.6	1.173/1.205	10.74	7.16	5.98	5.12

DIMENSIONS: In.

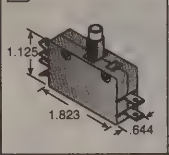
A



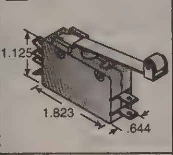
B



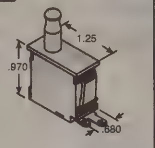
C



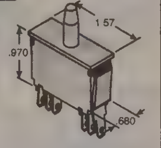
D



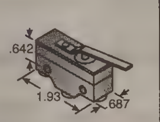
E



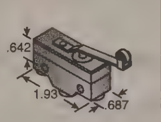
F



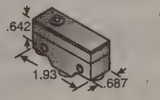
G



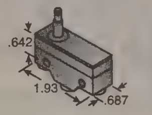
H



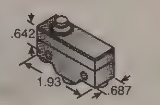
I



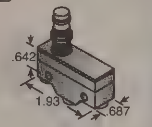
J



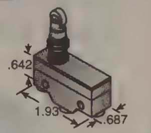
K



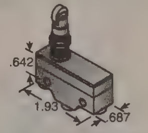
L



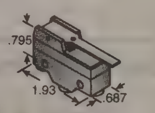
M



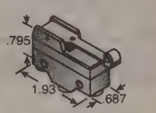
N



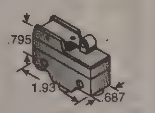
O



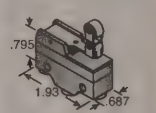
P



Q



R



Snap Action, Hook and Leaf Switches

CHERRY E SERIES: MINIATURE LOW TORQUE SNAP ACTION SWITCHES

Specifications:
- Package Size (In.) 1.218L x .580W x .687H

Features:
- Standard Force: 4.0 inch gms. max.
- Overtravel: 15ƒ min.
- Movement Differential : 3ƒ min.

OR c

RoHS Compliant

For quantities greater than 500, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Style	Price Each			
					1	50	100	250
6A 250VAC								
540-E51-00B	E51-00B	A	.205 Std Parallel Q.C.	Clockwise Wireform	9.27	7.42	6.12	5.56
540-E51-00E	E51-00E	A	.205 Std Parallel Q.C.	Counter-clockwise Wireform	9.27	7.42	6.12	5.56
540-E51-00R	E51-00R	A	.187 Std. Parallel Q.C.	Clockwise Wireform	9.27	7.42	6.12	5.56
540-E51-00T	E51-00T	A	.187 Std. Parallel Q.C.	Counter-clockwise Wireform	9.27	7.42	6.12	5.56
540-E51-50B	E51-50B	B	.205 Vertical Twist Q.C.	Clockwise Wireform	9.27	7.42	6.12	5.56
540-E51-50E	E51-50E	B	.205 Vertical Twist Q.C.	Counter-clockwise Wireform	9.27	7.42	6.12	5.56
540-E51-50R	E51-50R	B	.187 Vertical Twist Q.C.	Clockwise Wireform	9.27	7.42	6.12	5.56
540-E51-50T	E51-50T	B	.187 Vertical Twist Q.C.	Counter-clockwise Wireform	9.27	7.42	6.12	5.56
540-E51-60B	E51-60B	C	.205 Vertical Straight	Clockwise Wireform	7.58	6.07	5.00	4.55
540-E51-60E	E51-60E	C	.205 Vertical Straight	Counter-clockwise Wireform	8.99	7.19	5.93	5.39
0.1A 125VAC								
540-E53-00R	E53-00R	A	.187 Std. Parallel Q.C.	Clockwise Wireform	12.14	9.71	8.01	7.28

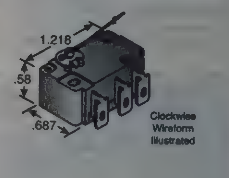
Accessories

For quantities greater than 500, call for quote.

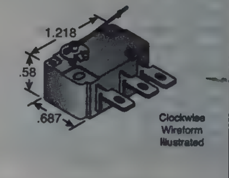
MOUSER STOCK NO.	Cherry Part No.	Description	Price Each			
			1	50	100	250
540-0014-0645	0014-0645	Wireform Actuator	.13	.11	.11	.10

DIMENSIONS: In.

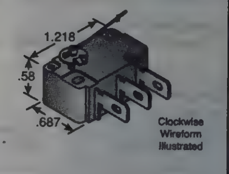
A



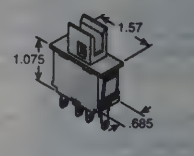
B



C



D



CHERRY F80 SERIES: LINE INTERRUPT SWITCHES

Specifications:
- Package Size (In.) 1.570L x .685W x 1.075H

Typical Applications:
- Office Equipment
- Vending Machines

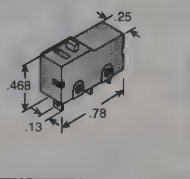
RoHS Compliant

For quantities greater than 500, call for quote.

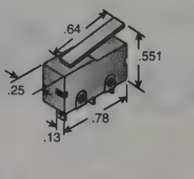
MOUSER STOCK NO.	Cherry Part No.	Fig.	Terminal Type	Actuator Length (In.)	Actuator Style	Operating Force	Operating Position (In.)	Price Each			
								1	50	100	250
10A, 125/250VAC, 3/4 H.P., 125VAC, 1-1/2 H.P., 250VAC, 6A @ 30VDC											
540-F81A-B120	F81A-B120	D	.250 Q.C.	-----	Button	866g	.315±.393	11.10	8.88	7.32	6.66

DIMENSIONS: In.

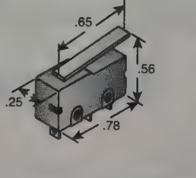
A



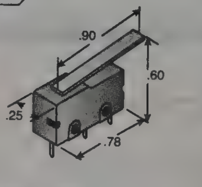
B



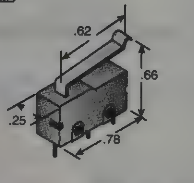
C



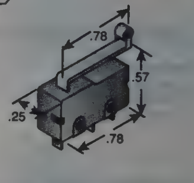
D



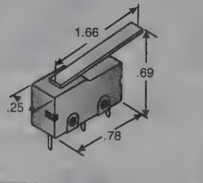
E



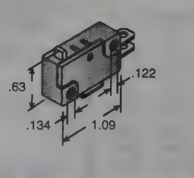
F



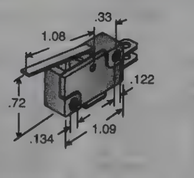
G



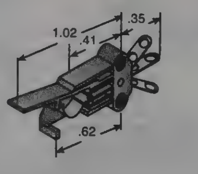
H



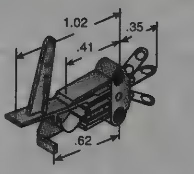
I



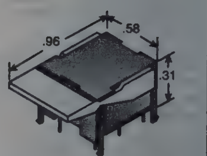
J



K



L



Mountain Switch MINIATURE SNAP SWITCHES (SPDT)

For quantities of 1000 and up, call for quote. RoHS Compliant

MOUSER STOCK NO.	Fig.	Amp Rating		Oper. Force (GMS.)	Travel (In.)	Price Each			
		@ 125 VAC	@ 250 VAC			1	10	100	500
101-1200-EV	A	5A	5A	115	.030	1.24	1.04	.94	.85
101-1201-EV	B	5A	3A	50	.05	1.24	1.04	.94	.85
101-1202-EV	C	5A	5A	25	.079	1.24	1.04	.94	.85
101-1203-EV	D	5A	5A	18	.125	1.24	1.04	.94	.85
101-1204-EV	E	5A	5A	28	.86	1.24	1.04	.94	.85
101-1205-EV	F	5A	5A	30	.063	1.46	1.21	1.11	1.01
101-1206-EV	G	5A	5A	10	.224	1.24	1.04	.94	.85
101-1001-EV	H	10A	10A	170	.047	1.55	1.29	1.16	1.05
101-1002-EV	I	10A	10A	125	.12	1.86	1.55	1.33	1.21

Mountain Switch LEAF AND HOOK SWITCHES

RoHS Compliant

() = Momentary For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Type	Circuit	Price Each			
					1	10	100	500
101-1302-EV	J	Leaf	SPST	On-(Off)	.31	.27	.26	.24
101-1306-EV	K	Leaf	SPST	On-(Off)	.31	.27	.26	.24
101-1401-EV	L	Hook	DPDT	- - -	.86	.77	.73	.68

MOUNTAIN SWITCH Snap Switches

13 SERIES SUPER-MINIATURE SNAP SWITCHES

Specifications:
- Mechanical Life: 120 operations/min
- Electrical Life: 10~30 operations/min
- Contacts: Silver
- Application: Appliances, Toys
- Terminal Type: PCB

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rating	Actuator Type	Operating Force (g)	Price Each			
					1	50	100	500
101-13-03-150XX-EV	A	3A/125VAC	Button	150	.86	.74	.69	.63
101-13-03-050ST-EV	A	3A/125VAC	Straight	50	.97	.89	.84	.75
101-13-03-070ST-EV	A	3A/125VAC	Straight	70	.98	.90	.85	.76
101-13-03-045SR-EV	A	3A/125VAC	Sim. Roller	45	.99	.91	.86	.77

61 SERIES SUB-MINIATURE SNAP SWITCHES

Specifications:
- Mechanical Life: 120 operations/min
- Electrical Life: 10~30 operations/min
- Contacts: Silver
- Application: Tools & Equipment, Appliances
- Terminal Type: Solder (ST) or (-S)
- Terminal Type: .110" QC (-Q)

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rating	Actuator Type	Operating Force (g)	Price Each			
					1	50	100	500
101-61-05-104XX-S-EV	B	5A/125VAC	Button	104	1.09	.91	.85	.79
101-61-05-104XX-Q-EV	B	5A/125VAC	Button	104	1.09	.91	.85	.79
101-61-05-025ST-EV	B	5A/125VAC	Straight	25	1.09	.99	.91	.81
101-61-05-033ST-S-EV	B	5A/125VAC	Straight	33	1.09	.99	.91	.81
101-61-05-033ST-Q-EV	B	5A/125VAC	Straight	33	1.09	.99	.91	.81
101-61-05-025RR-S-EV	B	5A/125VAC	Roller	25	1.29	1.16	1.07	.98
101-61-05-025RR-Q-EV	B	5A/125VAC	Roller	25	1.29	1.16	1.07	.98
101-61-10-249XX-S-EV	B	10.1A/125VAC	Button	249	1.44	1.31	1.20	1.07
101-61-10-249XX-Q-EV	B	10.1A/125VAC	Button	249	1.44	1.31	1.20	1.07
101-61-10-060ST-EV	B	10.1A/125VAC	Straight	60	1.44	1.31	1.20	1.07
101-61-10-055ST-EV	B	10.1A/125VAC	Straight	55	1.44	1.31	1.20	1.07
101-61-10-060RR-S-EV	B	10.1A/125VAC	Roller	60	1.69	1.52	1.41	1.29
101-61-10-060RR-Q-EV	B	10.1A/125VAC	Roller	60	1.69	1.52	1.41	1.29

73 SERIES MINIATURE SNAP SWITCHES

Specifications:
- Mechanical Life: 300 operations/min
- Electrical Life: 10~30 operations/min
- Contacts: Silver
- Contact Distance < 3mm
- Terminal Type: .187" QC

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rating	Actuator Type	Operating Force (g)	Price Each			
					1	50	100	500
101-73-10-150XX-EV	C	10.1A/125VAC	Button	150	1.49	1.29	1.16	1.09
101-73-10-075ST-EV	C	10.1A/125VAC	Straight	75	1.61	1.48	1.38	1.25
101-73-10-080SR-EV	C	10.1A/125VAC	Sim. Roller	80	1.61	1.48	1.38	1.25
101-73-10-080RR-EV	C	10.1A/125VAC	Roller	80	1.93	1.78	1.66	1.50
101-73-16-373XX-EV	C	16A/125VAC	Button	373	1.49	1.29	1.16	1.09
101-73-16-165ST-EV	C	16A/125VAC	Straight	165	1.61	1.48	1.38	1.25
101-73-16-190SR-EV	C	16A/125VAC	Sim. Roller	190	1.61	1.48	1.38	1.25
101-73-16-185RR-EV	C	16A/125VAC	Roller	185	1.93	1.78	1.66	1.50

21 SERIES MINIATURE SNAP SWITCHES

Specifications:
- Mechanical Life: 300 operations/min
- Electrical Life: 10~30 operations/min
- Contacts: Silver
- Terminal Type: .187" QC

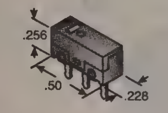
RoHS Compliant

For quantities of 1000 and up, call for quote.

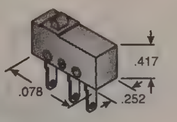
MOUSER STOCK NO.	Fig.	Rating	Actuator Type	Operating Force (g)	Price Each			
					1	50	100	500
101-21-P1-075XX-EV	C	0.1A/125VAC	Button	75	1.66	1.51	1.31	1.19
101-21-P1-013ST-EV	C	0.1A/125VAC	Straight	13	1.69	1.54	1.34	1.22
101-21-P1-037ST-EV	C	0.1A/125VAC	Straight	37	1.69	1.54	1.34	1.22
101-21-P1-030RR-EV	C	0.1A/125VAC	Roller	30	1.85	1.68	1.46	1.33
101-21-P1-080RR-EV	C	0.1A/125VAC	Roller	80	1.85	1.68	1.46	1.33
101-21-03-075XX-EV	C	3A/125VAC	Button	75	1.66	1.51	1.31	1.19
101-21-03-013ST-EV	C	3A/125VAC	Straight	13	1.69	1.54	1.34	1.22
101-21-03-037ST-EV	C	3A/125VAC	Straight	37	1.69	1.54	1.34	1.22
101-21-03-030RR-EV	C	3A/125VAC	Roller	30	1.85	1.68	1.46	1.33
101-21-03-080RR-EV	C	3A/125VAC	Roller	80	1.85	1.68	1.46	1.33
101-21-06-170XX-EV	C	6A/125VAC	Button	170	1.66	1.51	1.31	1.19
101-21-06-013ST-EV	C	6A/125VAC	Straight	13	1.69	1.54	1.34	1.22
101-21-06-100RR-EV	C	6A/125VAC	Roller	100	1.85	1.68	1.46	1.33
101-21-06-170RR-EV	C	6A/125VAC	Roller	170	1.85	1.68	1.46	1.33
101-21-10-230XX-EV	C	10A/125VAC	Button	230	1.66	1.39	1.31	1.19
101-21-10-025ST-EV	C	10A/125VAC	Straight	25	1.69	1.54	1.34	1.22
101-21-10-037ST-EV	C	10A/125VAC	Straight	37	1.69	1.54	1.34	1.22
101-21-10-125RR-EV	C	10A/125VAC	Roller	125	1.85	1.68	1.46	1.33
101-21-15-330XX-EV	C	15A/125VAC	Button	330	1.66	1.40	1.31	1.19
101-21-15-030ST-EV	C	15A/125VAC	Straight	30	1.69	1.54	1.34	1.22
101-21-15-180ST-EV	C	15A/125VAC	Straight	180	1.69	1.54	1.34	1.22
101-21-15-180RR-EV	C	15A/125VAC	Roller	180	1.85	1.68	1.46	1.33
101-21-15-330RR-EV	C	15A/125VAC	Roller	330	1.85	1.68	1.46	1.33

DIMENSIONS: in.

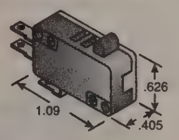
A



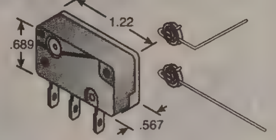
B



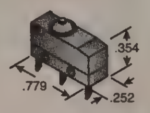
C



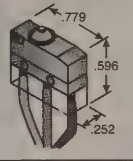
D



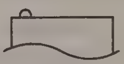
E

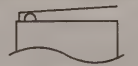


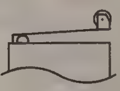
F

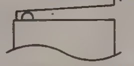


ACTUATOR TYPE


Button


Straight


Roller


Sim. Roller

51 SERIES LOW TORQUE SNAP SWITCHES

Specifications:
- Mechanical Life: 240 operations/min
- Electrical Life: 20 operations/min
- Clockwise wireform
- Contacts: Silver
- Application: Vending machines, Video & Pinball Games
- Terminal Type: Solder

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rating	Actuator Type	Operating Force (g)	Price Each			
					1	50	100	500
101-51-05-7P6ST-EV	D	5A/125VAC	Straight	7.6	4.12	3.43	3.09	2.75
101-51-05-7P6B1-EV	D	5A/125VAC	Bent	7.6	4.12	3.43	3.09	2.75

72 SERIES SEALED SNAP SWITCHES

Specifications:
- Mechanical Life: 120 operations/min
- Electrical Life: 10~30 operations/min
- Application: Automotive, Appliances
- Terminal Type: Solder

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rating	Actuator Type	Operating Force (g)	Price Each			
					1	50	100	500
101-72-06-203XX-EV	E	6A/125VAC	Button	203	2.93	2.64	2.05	1.76
101-72-06-082ST-EV	E	6A/125VAC	Straight	82	3.14	2.91	2.36	2.07
101-72-06-072RR-EV	E	6A/125VAC	Roller	72	3.59	3.34	2.81	2.49

71 SERIES SEALED SNAP SWITCHES (IP-67)

Specifications:
- Lead Length: 500mm (min)
- UL1007 20AWG Wire

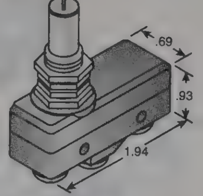
RoHS Compliant

For quantities of 1000 and up, call for quote.

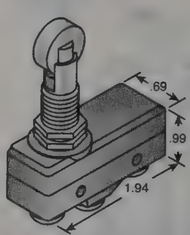
MOUSER STOCK NO.	Fig.	Rating	Actuator Type	Operating Force (g)	Price Each			
					1	50	100	500
101-71-06-300XX-EV	F	6A/125VAC	Button	300	4.99	4.05	3.30	3.03
101-71-06-070ST-EV	F	6A/125VAC	Straight	70	5.38	4.31	3.51	3.23
101-71-06-100RR-EV	F	6A/125VAC	Roller	100	5.99	4.89	3.98	3.66

DIMENSIONS: In.

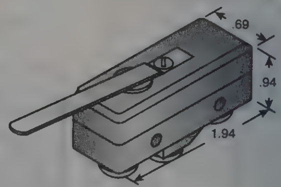
A



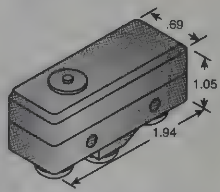
B



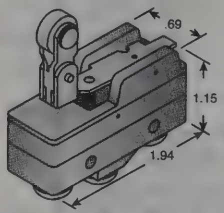
C



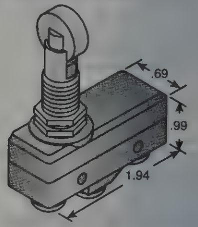
D



E



F



MICROSWITCH BZ/BA BASIC PRECISION SWITCHES

BZ/BA standard basic switches are precision snap-action mechanisms enclosed in accurately molded plastic cases. These switches are carefully manufactured and thoroughly inspected. They are industry known for their compactness, light weight, accurate repeatability, and long life.

Features:

- Long-life, one-piece beryllium-copper spring
- High grade phenolic cover and case
- Power load switching capability up to 20A
- Motor handling capacity to 2 horsepower @ 250VAC
- UL recognized and CSA certified
- Termination: bottom facing 6-32 screw

E12252

For quantities greater than listed, call for quote.

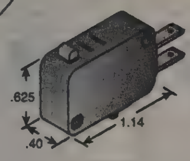
MOUSER STOCK NO.	Microswitch Part No.	Fig.	Ratings	Operating Force (oz.)	Operating Position (In.)	Actuator Type	Termination	Price Each		
								1	10	25
611-BA2RQ1A2	BA-2RQ1-A2	A	20A @ 480 VAC	14-22	0.640± 0.015	Panel Mt. Overtravel Plunger	Screw	20.60	19.52	18.43
6115-BZ-2RN770	BZ-2RN770	A	15A @ 480 VAC	9-13	1.906±.020	Panel Mt. Overtravel Plunger	Screw	36.12	34.22	32.31
6115-BZ-2RQ1-A2	BZ-2RQ1-A2	A	15A @ 480 VAC	9-13	.859±.030	Panel Mt. Overtravel Plunger	Screw	20.84	19.75	18.65
6115-BZ-2RQ18-A2	BZ-2RQ18-A2	B	15A @ 480 VAC	9-13	1.312±.045	Overtravel Roller Plunger	Screw	33.65	31.88	30.11
611-BA2RV2A2	BA-2RV2-A2	C	20A @ 480 VAC	3.5	1.188±.015	Straight Lever 2.5"	Screw	20.12	19.06	18.00
6115-BA-2RV-A2	BA-2RV-A2	C	20A @ 480 VAC	2.5	.750±.030	Straight Lever 2.5"	Screw	16.06	15.22	14.37
6115-BZ-2RL-A2	BZ-2RL-A2	C	15A @ 480 VAC	5	.668±.030	Straight Lever 1.95"	Screw	11.43	10.83	10.22
6115-BZ-2RW80-A2	BZ-2RW80-A2	C	15A @ 480 VAC	2.5	.750±.030	Straight Lever 2.5"	Screw	11.63	11.02	10.41
6115-BZ-2RW84-A2	BZ-2RW84-A2	C	15A @ 480 VAC	1	.750±.030	Straight Lever 2.5"	Screw	11.12	10.53	9.95
6115-BZ-2RW863-A2	BZ-2RW863-A2	C	15A @ 480 VAC	1	.750±.060	Straight Lever 2.5"	Screw	13.41	12.70	12.00
6115-BA-2RB-A2	BA-2RB-A2	A	20A @ 480 VAC	14-22	1.03±.020	Overtravel Plunger	Screw	12.63	11.97	11.30
6115-BA-2RB-A4	BA-2RB-A4	A	20A @ 480 VAC	14-22	0.640± 0.015	Overtravel Plunger	Screw	13.14	12.44	11.75
6115-BZ-2RD	BZ-2RD	A	20A @ 480 VAC	2.5	.750±.030	Overtravel Plunger	Solder	12.43	11.77	11.12
6115-BZ-2RD331	BZ-2RD331	A	15A @ 480 VAC	9-13	.835±.020	Overtravel Plunger	Screw	14.50	13.73	12.97
6115-BZ-2RD-A2	BZ-2RD-A2	A	15A @ 480 VAC	9-13	.835±.020	Overtravel Plunger	Screw	12.58	11.92	11.26
6115-BZ-2RDS-A2-S	BZ-2RDS-A2-S	A	15A @ 480 VAC	9-13	.835±.020	Overtravel Plunger	Screw	29.24	27.70	26.16
611-BZ-2RN702	BZ-2RN702	A	15A @ 480 VAC	9-13	1.906±.020	Overtravel Plunger	Screw	30.69	29.08	27.46
6115-BZ-2RQ1T	BZ-2RQ1T	A	15A @ 250 VAC	9-13	.859 ±.030	Overtravel Plunger	Screw	17.06	16.16	15.27
6115-BZ-2RQ66	BZ-2RQ66	A	15A @ 480 VAC	9-13	1.50±.030	Overtravel Plunger	Screw	20.32	19.25	18.18
6115-BZ-2RQ68	BZ-2RQ68	A	15A @ 480 VAC	10-18	1.50±.020	Overtravel Plunger	Screw	27.88	26.41	24.94
6115-BZ-2RQ69	BZ-2RQ69	A	15A @ 480 VAC	9-13	1.70±.030	Overtravel Plunger	Screw	37.30	35.34	33.38
6115-BZ2RQ77	BZ-2RQ77	A	15A @ 480 VAC	9-24	1.179± .030	Overtravel Plunger	Screw	26.47	25.07	23.68
6115-BZ-2RQ784	BZ-2RQ784	A	15A @ 480 VAC	9-13	1.953±.045	Overtravel Plunger	Screw	35.92	34.03	32.14
6115-BZ-2RQ785	BZ-2RQ785	A	15A @ 480 VAC	9-13	1.953±.045	Overtravel Plunger	Screw	38.23	36.21	34.20
6115-BZ-2RQ-A2	BZ-2RQ-A2	A	15A @ 480 VAC	9-13	1.50±.020	Overtravel Plunger	Screw	17.87	16.93	15.99
6115-BZ-2RS-A2	BZ-2RS-A2	A	15A @ 480 VAC	9-13	1.110±.020	Overtravel Plunger	Screw	13.54	12.83	12.12
6115-BA-2R-708P7	BA-2R708-P7	D	20A @ 250 VAC	14-20	0.640 ± 0.015	Pin Plunger	Screw	33.56	32.72	31.88
6115-BA-2R-A2	BA-2R-A2	D	20A @ 480 VAC	14-22	0.640 ± 0.015	Pin Plunger	Screw	11.57	10.96	10.35
6115-BZ-2R-A2	BZ-2R-A2	D	15A @ 480 VAC	9-13	.625±.015	Pin Plunger	Screw	9.52	9.02	8.52
6115-BA-2RV22-A2	BA-2RV22-A2	E	20A @ 480 VAC	6	1.172 in.±.015	Roller Lever 1.05"	Screw	15.97	15.13	14.29
6115-BZ-2RL2-A2	BZ-2RL2-A2	E	15A @ 480 VAC	5	1.125±.030	Roller Lever 1.9"	Screw	13.43	12.72	12.01
6115-BZ2RW822	BZ-2RW822	E	15A @ 480 VAC	6	1.188±.015	Roller Lever 1.05"	Solder	15.95	15.11	14.28
6115-BZ-2RW8225551A2	BZ-2RW8225551-A2	E	15A @ 480 VAC	6	1.188±.015	Roller Lever 1.05"	Screw	18.30	17.33	16.37
6115-BZ-2RW82255A2S	BZ-2RW82255-A2-S	E	15A @ 480 VAC	6	1.188±.015	Roller Lever 1.05"	Screw	30.20	28.61	27.02
6115-BZ-2RW822-A2	BZ-2RW822-A2	E	15A @ 480 VAC	6	1.188±.015	Roller Lever 1.05"	Screw	14.68	13.91	13.14
6115-BZ-2RW822-P4	BZ-2RW822-P4	E	15A @ 250 VAC	6	1.188±.015	Roller Lever 1.05"	Screw	17.02	16.13	15.23
6115-BZ-2RW822T	BZ-2RW822T	E	15A @ 250 VAC	6	1.188±.015	Roller Lever 1.05"	Screw	14.87	14.08	13.30
6115-BZ-2RW825-A2	BZ-2RW825-A2	E	15A @ 480 VAC	8	1.14±.015	Roller Lever 0.868"	Screw	21.73	20.58	19.44
6115-BZ-2RW826-A2	BZ-2RW826-A2	E	15A @ 480 VAC	6	1.625±.015	Roller Lever 1.26"	Screw	19.08	18.08	17.07
6115-BZ-2RW82-A2	BZ-2RW82-A2	E	15A @ 480 VAC	3.5	1.188±.030	Roller Lever 1.9"	Screw	13.93	13.20	12.47
6115-BZ-RW922-A2	BZ-RW922-A2	E	10A @ 125 VAC	12	10.235	Roller Lever 1.25"	Screw	55.94	52.99	50.05
6115-BZ-2RQ181-A2	BZ-2RQ181-A2	F	15A @ 480 VAC	9-13	1.31± .045	Overtravel Roller Plunger, Perpendicular	Screw	29.34	27.80	26.26

MICRO SWITCH Basic Switches

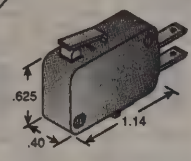
MICRO SWITCH
a Honeywell Division

DIMENSIONS: In.

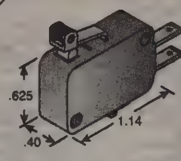
A



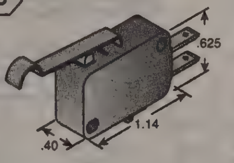
B



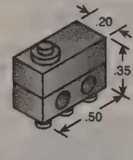
C



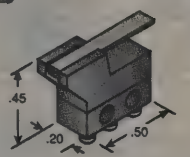
D



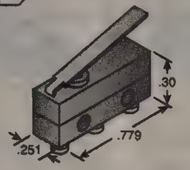
E



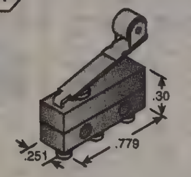
F



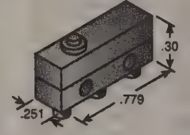
G



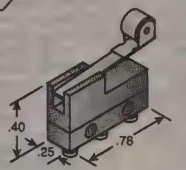
H



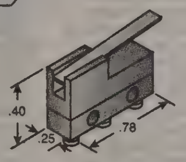
I



J



K



MICRO SWITCH V7 SERIES MINIATURE BASIC SWITCHES

V7 Series basic switches are used for simple or precision on/off, end of limit, presence/absence, pressure, temperature and manual operator interface application needs.

E12252 LR41372

RoHS Compliant

Features:
- Operating Temperatúre: -40°C to 82°C
- UL Recognized, CSA Certified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Microswitch Part No.	Fig.	Description	Terminal Type	Voltage Rating	Current Rating	O.F. (oz.)	Pretravel (In.)	Differential Travel (In.)	Operating Position (In.)	Price Each		
											1	10	25
6115-V7-1C17D8	V7-1C17D8	A	SPDT, Pin Plunger	.187" QC	250 VAC	15 A	5.3	0.047	.002-.010	0.578	3.02	2.86	2.70
6115-V7-1Z19E9	V7-1Z19E9	A	SPDT, Pin Plunger	.250" QC	250 VAC	25 A	7.9	0.047	.002-.010	0.578	3.28	3.11	2.94
6115-V7-1Z29E9	V7-1Z29E9	A	SPNO, Pin Plunger	.250" QC	250 VAC	25 A	7.9	0.047	.002-.010	0.578	3.38	3.20	3.03
6115-V7-2B17D8	V7-2B17D8	A	SPDT, Pin Plunger	.187" QC	250 VAC	11 A	2.63	0.047	.002-.010	0.578	2.59	2.46	2.32
6115-V7-7B19E9	V7-7B19E9	A	SPDT, Pin Plunger	.250" QC	277 VAC	11 A	8	0.047	.002-.010	0.578	2.45	2.32	2.19
6115-V7-1C17D8-002	V7-1C17D8-002	B	SPDT, Straight Lever, .87"	.187" QC	277 VAC	15 A	5.6	0.06	0.015	0.6	2.78	2.63	2.49
6115-V7-1B17D8-022	V7-1B17D8-022	B	SPDT, Straight Lever, 1.4"	.187" QC	277 VAC	11 A	2.9	0.12	0.027	0.603	3.18	3.01	2.84
6115-V7-1B19D8-022	V7-1B19D8-022	B	SPDT, Straight Lever, 1.4"	.187" QC	277 VAC	11 A	2.9	0.128	0.028	0.603	3.07	2.91	2.75
6115-V7-1C17D8-022	V7-1C17D8-022	B	SPDT, Straight Lever, 1.4"	.187" QC	277 VAC	15 A	2.9	0.11	0.03	0.6	3.37	3.19	3.02
6115-V7-2B17D8-022	V7-2B17D8-022	B	SPDT, Straight Lever, 1.4"	.187" QC	277 VAC	11 A	1.5	0.12	0.027	0.603	2.70	2.56	2.42
6115-V7-1B17D8-048	V7-1B17D8-048	B	SPDT, Straight Lever, 2.34"	.187" QC	277 VAC	11 A	1.7	0.235	0.03	0.603	3.28	3.11	2.94
6115-V7-1C17D8-048	V7-1C17D8-048	B	SPDT, Straight Lever, 2.34"	.187" QC	277 VAC	15 A	1.6	0.085	0.06	0.6	2.73	2.59	2.44
6115-V7-2B17D8-048	V7-2B17D8-048	B	SPDT, Straight Lever, 2.34"	.187" QC	277 VAC	11 A	0.7	0.235	0.05	0.603	3.15	2.98	2.82
6115-V76C17D8-048	V7-6C17D8-048-1	B	SPDT, Straight Lever, 2.34"	.187" QC	277 VAC	15 A	4.23	0.25	0.054	0.58	3.36	3.18	3.01
6115-V7-6B19D8-057	V7-6B19D8-057	B	SPDT, Straight Steel Lever, 2.75"	.187" QC	250 VAC	5 A	2.3	0.3	0.1	0.57	3.25	3.07	2.90
6115-V7-1C13D8-201	V7-1C13D8-201	C	SPDT, Roller Lever, 0.81"	.187" QC	277 VAC	15 A	6.17	0.047	0.012	0.81	3.53	3.34	3.16
6115-V7-1C17D8-201	V7-1C17D8-201	C	SPDT, Roller Lever, 0.81"	.187" QC	277 VAC	15 A	6.2	0.047	0.012	0.81	3.32	3.15	2.97
6115-V7-2B17D8-201	V7-2B17D8-201	C	SPDT, Roller Lever, 0.81"	.187" QC	277 VAC	11 A	3.1	0.052	0.012	0.803	3.60	3.41	3.22
6115-V7-7B17D8-201	V7-7B17D8-201	C	SPDT, Roller Lever, 0.81"	.187" QC	277 VAC	11 A	10	0.056	0.013	0.808	3.70	3.51	3.31
6115-V7-1B17D8-207	V7-1B17D8-207	C	SPDT, Roller Lever, 1.34"	.187" QC	277 VAC	11 A	3	0.115	0.03	0.81	3.90	3.69	3.49
6115-V7-1C17D8-207	V7-1C17D8-207	C	SPDT, Roller Lever, 1.34"	.187" QC	277 VAC	15 A	3.2	0.115	0.025	0.81	3.90	3.69	3.49
6115-V7-2B17D8-207	V7-2B17D8-207	C	SPDT, Roller Lever, 1.34"	.187" QC	277 VAC	11 A	21.6	0.115	0.025	0.81	3.75	3.55	3.36
6115-V7-1B17D8-263	V7-1B17D8-263	D	SPDT, Simulated Roller, 1.29"	.187" QC	277 VAC	11 A	3.1	0.11	0.03	0.73	3.41	3.23	3.05
6115-V7-1C17D8-263	V7-1C17D8-263	D	SPDT, Simulated Roller, 1.29"	.187" QC	277 VAC	15 A	3.2	0.11	0.024	0.73	2.80	2.65	2.50

MICRO SWITCH SX SUBMINIATURE BASIC PRECISION SWITCHES

SX subminiature basic switches are small size precision snap-action switches from MICRO SWITCH. These switches are ideal where savings in space and weight are important.

Features:
- Long-life beryllium-copper spring
- Wear-resistant phenolic base and cover
- Power load switching capability up to 7A
- Silver contacts
- Temperature tolerance: -54°C to +121°C
- UL recognized and CSA certified
- Termination: wire wrap

E12252 LR41372

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Ratings	Length of Lever (In.)	Oper. Force (oz.)	Operating Position (In.)	Price Each		
						1	10	25
6115-11SX21-T	E	5A @ 250VAC	- - -	2.5-5	.320±.015	9.23	8.74	8.26
6115-1SX1-T	E	7A @ 250VAC	- - -	5	.320±.015	10.53	9.98	9.42
6115-1SX48-T	E	7A @ 250VAC	- - -	5	.320±.015	11.39	10.79	10.19
6115-21SX39-T	E	7A @ 250VAC	- - -	5	.320±.015	8.11	7.69	7.26
6115-311SX1-T	F	5A @ 250VAC	.135	1.76	.332±.045	11.01	10.43	9.85
6115-311SX2-T	F	5A @ 250VAC	.505	1.1	.325±.075	10.71	10.14	9.58
6115-311SX3-T	F	5A @ 250VAC	.965	.71	.305±.115	11.41	10.81	10.21

MICRO SWITCH SM SUBMINIATURE BASIC PRECISION SWITCHES

SM subminiature basic switches are slightly larger than the SX basic switches. These switches combine small size and light weight with ample electrical capacity, precision operation, and long life.

E12252

LR41372

Features:
- Long-life beryllium-copper spring
- Wear-resistant phenolic base and cover
- Power load switching capability up to 11A
- Silver contacts
- Temperature tolerance: -54°C to +85°C
- UL recognized and CSA certified
- Termination: wire wrap

✱Termination: solder

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Ratings	Length of Lever (In.)	Oper. Force (oz.)	Operating Position (In.)	Price Each		
						1	10	25
6115-111SM1-T	G	5A @ 250VAC	- - -	7	.350±.030	6.60	6.25	5.90
6115-111SM2-T	H	5A @ 250VAC	- - -	7	.562±.030	7.30	6.91	6.53
✱6115-11SM1	I	5A @ 250VAC	- - -	3-5	.330±.015	4.64	4.40	4.16
6115-11SM1-T	I	5A @ 250VAC	- - -	3-5	.330±.015	4.85	4.59	4.34
6115-11SM3-T	I	5A @ 250VAC	- - -	3-5	.330±.015	3.80	3.60	3.40
✱6115-1SM1	I	5A @ 250VAC	- - -	3-5	.330±.015	5.72	5.42	5.12
✱6115-411SM1	I	5A @ 250VAC	- - -	3-7.5	.330±.015	11.24	10.65	10.06
6115-41SM1-T	I	11A @ 250VAC	- - -	3-5	.330±.015	4.55	4.31	4.07
6115-311SM6-T	J	5A @ 250VAC	.251	1.4	.560±.060	6.12	5.80	5.48
6115-311SM23-T	K	1A @ 125VAC	.285	1.4	.340±.060	10.70	10.13	9.57
6115-311SM702-T	K	4A @ 250VAC	.565	.4	.335±.080	4.94	4.68	4.42
6115-311SM703-T	K	4A @ 250VAC	1.765	.2	.280±.170	5.32	5.04	4.76
6115-311SM1-T	K	5A @ 250VAC	.285	1.4	.340±.060	5.28	5.00	4.72
6115-311SM2-T	K	5A @ 250VAC	.565	1.1	.335±.080	5.11	4.84	4.57
6115-311SM3-T	K	5A @ 250VAC	1.765	.53	.280±.170	5.43	5.15	4.86

OMRON Basic Snap Action Switches

RoHS Compliant **This page of product is compliant.**

omron.
ELECTRONIC COMPONENTS

OMRON D3M SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:

- Same internal mechanism as the "SS" Series.
- IP00 Enclosure rating
- Rated voltage: 30VDC
- Contact rating: 100mA
- Mechanical service life: 500,000 operations min.
- Electrical service life: 200,000 operations min.
- Mounting pitch: 9.5mm (0.37")
- Insulation resistance: 100 M? min. at 500 VDC
- Degree of protection against electric shock: Class I
- Operating temperature: -25°C to +85°C with no icing

Features:

- Saves wiring effort, production steps, and time
- Easy wiring ensured through the Quick-Connect Terminals
- External actuator mounts in either of two directions
- Horizontal layout of terminals saves mounting space

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Form	Operating Force (g)	Price Each 1	25	50	100
653-D3M-01	D3M-01	A	Pin Plunger	SPST-NC	153	1.98	1.82	1.67	1.51
653-D3M-01-3	D3M-01-3	A	Pin Plunger	SPST-NO	153	2.40	2.21	2.01	1.82
653-D3M-01K1	D3M-01K1	B	Hinge Lever	SPST-NC	51	2.09	1.84	1.63	1.46
653-D3M-01K1-3	D3M-01K1-3	B	Hinge Lever	SPST-NO	51	1.94	1.70	1.55	1.39
653-D3M-01K2	D3M-01K2	C	Hinge Roller Lever	SPST-NC	51	2.95	2.59	2.36	2.12
653-D3M-01K2-3	D3M-01K2-3	C	Hinge Roller Lever	SPST-NO	51	2.54	2.24	2.03	1.83
653-D3M-01K3	D3M-01K3	D	Simulated Roller Lever	SPST-NC	51	2.09	1.84	1.67	1.51
653-D3M-01K3-3	D3M-01K3-3	D	Simulated Roller Lever	SPST-NO	51	1.96	1.72	1.57	1.41
653-D3M-01L1	D3M-01L1	E	Hinge Lever	SPST-NC	102	2.01	1.84	1.63	1.46
653-D3M-01L1-3	D3M-01L1-3	E	Hinge Lever	SPST-NO	102	1.88	1.72	1.53	1.37
653-D3M-01L2	D3M-01L2	F	Hinge Roller Lever	SPST-NC	102	2.83	2.59	2.30	2.06
653-D3M-01L2-3	D3M-01L2-3	F	Hinge Roller Lever	SPST-NO	102	2.30	2.11	1.87	1.68
653-D3M-01L3	D3M-01L3	G	Simulated Roller Lever	SPST-NC	102	2.01	1.84	1.63	1.46
653-D3M-01L3-3	D3M-01L3-3	G	Simulated Roller Lever	SPST-NO	102	1.88	1.72	1.53	1.37

OMRON D3V SERIES: COST-EFFECTIVE SNAP ACTION SWITCHES

Specifications:

- Self-cleaning contacts
- .187" Quick-Connect terminals
- Contact gap: 0.5mm
- Contact configuration: SPDT momentary action
- Mounting hole: 2.9mm

RoHS Compliant

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (g)	Price Each 1	25	50	100
Internal Hinge Position									
653-D3V-11G1C25	D3V-11G1C25K	H	Pin Plunger	11A	200	1.77	1.61	1.41	1.28
653-D3V-11G21C25	D3V-11G21C25K	I	Hinge Lever	11A	125	2.35	2.13	1.87	1.71
653-D3V-11G41C25	D3V-11G41C25K	J	Simulated Roller Lever	11A	125	2.35	2.13	1.87	1.71
653-D3V-11G61C25	D3V-11G61C25K	K	Hinge Roller Lever	11A	125	2.83	2.57	2.25	2.06
653-D3V-16G1C25	D3V-16G1C25K	H	Pin Plunger	16A	200	2.04	1.85	1.62	1.48
653-D3V-16G21C25	D3V-16G21C25K	I	Hinge Lever	16A	125	2.35	2.13	1.87	1.71
653-D3V-16G41C25	D3V-16G41C25K	J	Simulated Roller Lever	16A	125	2.35	2.13	1.87	1.71
653-D3V-16G61C25	D3V-16G61C25K	K	Hinge Roller Lever	16A	125	2.83	2.57	2.25	2.06
External Hinge Position									
653-D3V-11G2M1C25	D3V-11G2M1C25K	I	Hinge Lever	11A	125	2.10	1.99	1.84	1.68
653-D3V-11G4M1C25	D3V-11G4M1C25K	J	Simulated Roller Lever	11A	125	2.10	1.99	1.84	1.68
653-D3V-11G6M1C25	D3V-11G6M1C25K	K	Hinge Roller Lever	11A	125	2.05	1.95	1.79	1.64
653-D3V-16G2M1C25	D3V-16G2M1C25K	I	Hinge Lever	16A	125	2.10	1.99	1.84	1.68
653-D3V-16G4M1C25	D3V-16G4M1C25K	J	Simulated Roller Lever	16A	125	2.10	1.99	1.84	1.68
653-D3V-16G6M1C25	D3V-16G6M1C25K	K	Hinge Roller Lever	16A	125	2.37	2.25	2.07	1.89

OMRON J SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contact material: Gold-plated silver
- Mounting: Use two M2.3 screws with plain washers or spring washers

Features:

- Allows large-capacity switching in small package
- Particularly suitable as control switches where there are restrictions on space and weight

RoHS Compliant

653-J-7	J-7	L	Pin plunger	7A	140	7.31	6.96	6.62	5.92
653-J-7-V	J-7-V	M	Short hinge lever	7A	50	11.14	10.61	10.08	9.02
653-J-7-V3	J-7-V3	N	Hinge lever	7A	30	11.14	10.61	10.08	9.02
653-J-7-V4	J-7-V4	O	Long hinge lever	7A	20	11.14	10.61	10.08	9.02
653-J-7-V22	J-7-V22	P	Short hinge roller lever	7A	55	12.89	12.28	11.67	10.44
653-J-7-V2	J-7-V2	Q	Hinge roller lever	7A	33	12.89	12.28	11.67	10.44

OMRON D2F SERIES: PC MOUNT SUBMINIATURE BASIC SWITCHES

Specifications:

- Operating speed: 1 to 500 mm/second
- Contact form: SPDT
- Mechanical service life: 1,000,000 operations min.
- Electrical service life: 30,000 operations min. (OT: full stroke)
- Mounting pitch: 6.5mm (0.26")
- Insulation resistance: 100 MΩ min. at 500 VDC
- Operating temperature: -25°C to +65°C with no icing
- Terminal type: Straight PCB

Features:

- Super compact, ideal for PCB mounting
- Long life span assured by high-precision dual spring reverse-action mechanism
- Flux penetration prevented by using an insert terminal and allowing a height difference at the case bottom
- Ideal for a wide variety of applications from household appliances and office equipment to audio equipment and communications equipment

RoHS Compliant

General Purpose • Contact resistance: 30 mΩ max. initial									
653-D2F	D2F	R	Pin Plunger	3A	150	1.11	1.02	.97	.93
653-D2FF	D2F-F	R	Pin Plunger	100mA	75	1.44	1.32	1.26	1.20
653-D2F-FL	D2F-FL	S	Hinge Lever	3A	25	1.23	1.13	1.08	1.03
653-D2F-L	D2F-L	S	Hinge Lever	3A	80	1.24	1.13	1.08	1.03
653-D2FFLA	D2F-FL-A	S	Hinge Lever	100mA	25	1.65	1.51	1.44	1.37
653-D2F-L2	D2F-L2	T	Roller Lever	3A	80	3.10	2.85	2.72	2.59
Microvoltage/Microcurrent Load Type • Contact resistance: 100 mΩ max. initial									
653-D2F-01	D2F-01	R	Pin Plunger	100mA	150	1.14	1.05	1.00	.95
653-D2F-01F	D2F-01F	R	Pin Plunger	100mA	75	1.14	1.05	1.00	.95
653-D2F-01L	D2F-01L	S	Hinge Lever	100mA	80	1.23	1.13	1.08	1.03

OMRON D2T SERIES: COMPACT DPST-NO SNAP ACTION SWITCHES

Specifications:

- Electrical ratings: 5A @ 125/250VAC between terminals 1 & 2; 0.1 A at 125VAC between terminals 3 & 4
- The circuit switching power load has a snap-action mechanism
- The circuit switching low-level load has a slow-action mechanism
- Terminals: Solder/#110 QC common terminal
- Mechanical operating frequency: 120 operations per min
- Electrical operating frequency: 60 operations per min
- Insulation resistance: 100 MΩ min. at 500 VDC
- Operating temperature: -25°C to +80°C with no icing

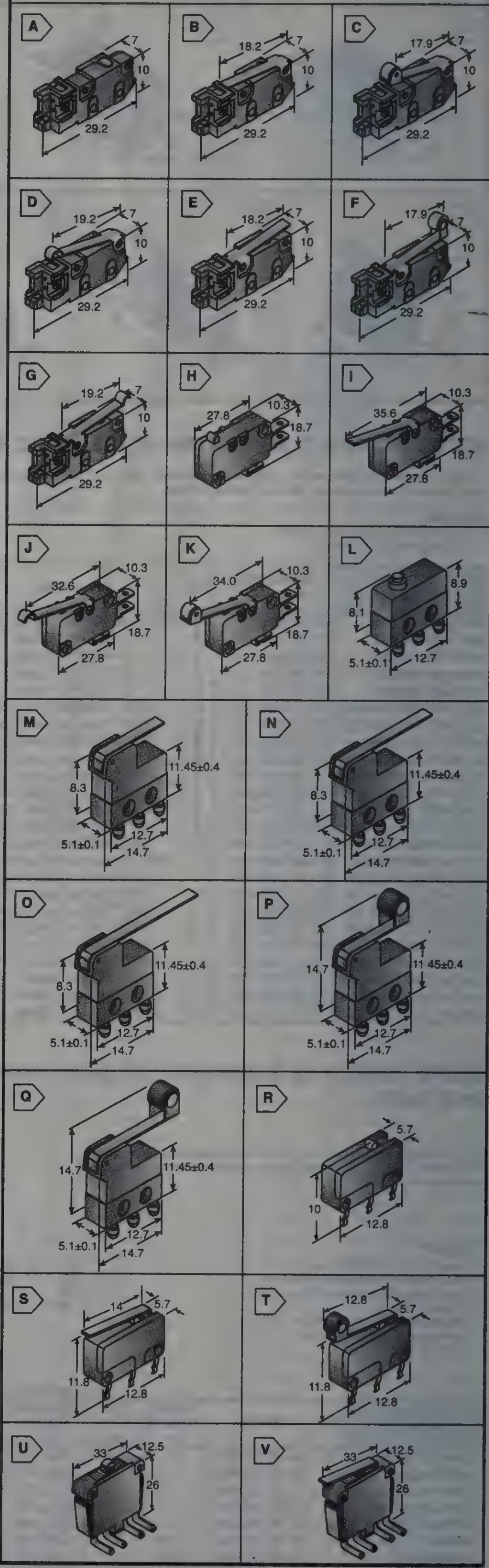
Features:

- Incorporates circuits for power and low-level loads
- As compact as OMRON's V series
- Contact gap of 0.7mm min.
- Panel or screw mounted with ease

RoHS Compliant

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (g)	Terminals	Price Each 1	25	50	100
653-D2T-T1	D2T-T1	U	Pin Plunger	330	Angled	4.77	4.36	4.15	3.94
653-D2T-T1S	D2T-T1S	U	Pin Plunger	330	Angled	4.77	4.36	4.15	3.94
653-D2T-LT1	D2T-LT1	V	Hinge Lever	150	Straight	4.90	4.48	4.26	4.05
653-D2T-LT1S	D2T-LT1S	V	Hinge Lever	150	Straight	4.90	4.48	4.26	4.05

DIMENSIONS: mm



OMRON A SERIES: HIGH CAPACITY SNAP ACTION SWITCHES

Specifications:

- Screw terminal: -B suffix - M4; -B7-K suffix - #6-32NC
- Mounting hole size: -B suffix - 4.2mm; -B7-K suffix - 3.56mm
- Mount thread size (panel mount versions): -B suffix - M12 x 1mm; -B7-K - 15/32-32NC

Features:

- High-capacity switch capable of handling 20 A loads with inrush currents up to 75 A
- Direct switches such loads as motors, halogen lamps, and solenoids
- Same shape as OMRON Z series (except pin plunger)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (gf)	Price Each			
						1	25	50	100
653-A20G-B7	A-20G-B7-K	A	Pin Plunger	20 A @ 125/250 VAC	400-625	7.63	7.08	6.71	6.43
653-A20GV2-B7	A-20GV2-B7-K	A	Hinge Roller Lever	20 A @ 125/250 VAC	90	7.67	7.11	6.74	6.46
653-A20GV-B7	A-20GV-B7-K	A	Hinge Lever	20 A @ 125/250 VAC	70	6.94	6.43	6.10	5.85
653-A20GV22-B7	A-20GV22-B7-K	A	Short Hinge Roller Lever	20 A @ 125/250 VAC	160	8.24	7.64	7.24	6.94
653-A20GQ-B7	A-20GQ-B7-K	A	Panel Mount Plunger	20 A @ 125/250 VAC	400-625	11.61	10.76	10.20	9.78

OMRON Z SERIES: GENERAL PURPOSE BASIC SWITCHES

Specifications:

- Screw terminal: -B suffix - M4; -B7-K suffix - #6-32NC
- Mounting hole size: -B suffix - 4.2mm; -B7-K suffix - 3.56mm
- Mount thread size (panel mount versions): -B suffix - M12 x 1mm; -B7-K - 15/32-32NC

Features:

- High precision in a variety of styles
- Wide margins of operating conditions
- Also available in a drip-proof version

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (gf)	Price Each			
						1	25	50	100
653-Z15G-B	Z-15G-B	B	Pin Plunger	15 A @ 125/250 VAC	250-350	6.33	5.82	5.41	5.03
653-Z15GB7-K	Z-15G-B7-K	B	Pin Plunger	15 A @ 125/250 VAC	250-350	6.33	5.82	5.41	5.03
653-Z15GD-B	Z-15GD-B	B	Short Spring Plunger	15 A @ 125/250 VAC	250-350	7.40	6.80	6.32	5.88
653-Z15GD-B7-K	Z-15GD-B7-K	B	Short Spring Plunger	15 A @ 125/250 VAC	250-350	7.77	7.14	6.64	6.18
653-Z15GW22-B	Z-15GW22-B	B	Short Hinge Roller Lever	15 A @ 125/250 VAC	160	7.56	6.95	6.46	6.01
653-Z-15GW22-B7-K	Z-15GW22-B7-K	B	Short Hinge Roller Lever	15 A @ 125/250 VAC	160	7.94	7.30	6.78	6.31
653-Z15GW2-B	Z-15GW2-B	B	Hinge Roller Lever	15 A @ 125/250 VAC	100	7.67	7.05	6.55	6.10
653-Z-15GW2-B7-K	Z-15GW2-B7-K	B	Hinge Roller Lever	15 A @ 125/250 VAC	100	7.67	7.05	6.55	6.10
653-Z15GW-B	Z-15GW-B	B	Hinge Lever	15 A @ 125/250 VAC	70	7.00	6.43	5.98	5.56
653-Z-15GW-B7-K	Z-15GW-B7-K	B	Hinge Lever	15 A @ 125/250 VAC	70	8.48	7.79	7.24	6.74
653-Z15HW24-B7-K	Z-15HW24-B7-K	B	Low-force Hinge Lever	15 A @ 125/250 VAC	6	8.77	8.06	7.49	6.97
653-Z15GQ-B	Z-15GQ-B	B	Panel Mount Plunger	15 A @ 125/250 VAC	250-350	9.59	8.82	8.19	7.62
653-Z15GQ-B7K	Z-15GQ-B7-K	B	Panel Mount Plunger	15 A @ 125/250 VAC	250-350	9.54	8.77	8.15	7.58
653-Z15GQ21-B	Z-15GQ21-B	B	Panel Mnt Cross Roller Plung	15 A @ 125/250 VAC	250-350	11.92	10.95	10.18	9.47
653-Z15GQ21-B7-K	Z-15GQ21-B7-K	B	Panel Mnt Cross Roller Plung	15 A @ 125/250 VAC	250-350	12.54	11.52	10.71	9.96
653-Z15GQ22-B	Z-15GQ22-B	B	Panel Mount Roller Plunger	15 A @ 125/250 VAC	250-350	10.33	9.49	8.82	8.21
653-Z-15GQ22-B7-K	Z-15GQ22-B7-K	B	Panel Mount Roller Plunger	15 A @ 125/250 VAC	250-350	12.54	11.52	10.71	9.96

OMRON TZ SERIES: HIGH TEMPERATURE BASIC SWITCHES

Specifications:

- Electrical rating: 1A @ 250VAC
- Contact gap: 0.5mm
- Operating temperature range: -65°C to 400°C (with no icing)
- Inrush current: NC contact - 9A max.; NO contact 4.5A max.
- Cross bar contact material: Platinum alloy

Features:

- Incorporates a ceramic insulator, cobalt-alloy spring, and special-alloy contact to ensure high contact reliability at high ambient temperatures.

Applications:

- Heat treating
- Annealing
- Metal processing ovens and conveyors
- Vacuum chambers
- Injection molding

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (gf)	Price Each			
						1	5	10	25
653-TZ-1G	TZ-1G	C	Pin Plunger	1 A @ 125/250 VAC	500	175.11	170.50	165.89	161.28
653-TZ-1GV	TZ-1GV	C	Hinge Lever	1 A @ 125/250 VAC	100	287.76	280.19	272.62	265.04
653-TZ-1GV22	TZ-1GV22	C	Short Hinge Roller Lever	1 A @ 125/250 VAC	240	280.58	273.20	265.81	258.43
653-TZ-1GV2	TZ-1GV2	C	Hinge Roller Lever	1 A @ 125/250 VAC	130	287.76	280.19	272.62	265.04

OMRON D2RW SERIES: SEALED REED BASIC SWITCHES

Specifications:

- Terminals: Molded lead wires
- Contact capacity: 10W max.
- Degree of protection: IEC IP67 (circuit block only)
- Contact form: SPST-NO
- Minimum applicable load: 100mA @ 5 VDC

Features:

- Internal reed switch construction enables the conductors block and the mechanical block to be separate.
- Conductor (circuit) block including the internal reed switch is entirely sealed with resin.
- Use of a reed switch maintains high contact reliability with micro load range.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (gf)	Price Each			
						1	10	25	50
653-D2RW-01	D2RW-01	D	Pin Plunger	0.25 A @ 100 VDC	150	29.63	28.61	27.59	26.57
653-D2RW-01L1	D2RW-01L1	D	Hinge Lever	0.25 A @ 100 VDC	75	30.16	29.12	28.08	27.04
653-D2RW-01L2	D2RW-01L2	D	Hinger Roller Lever	0.25 A @ 100 VDC	75	30.69	29.63	28.57	27.51
653-D2RW-01L3	D2RW-01L3	D	Simulated Roller Lever	0.25 A @ 100 VDC	75	30.16	29.12	28.08	27.04

---

tyco Electronics ALCOSWITCH ULTRAMINIATURE MICROSWITCHES

NEW FROM SUPPLIER

Features:

- Straight or Right Angle PCB Mount
- 1,000,000 Cycle Life
- Acuation Type: Lever or Pin Plunger
- Single Pole, Double Throw

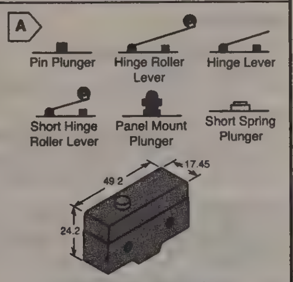
Applications:

- Security Systems
- Medical Equipment
- Small Appliances
- Office Equipment
- Communications Equipment
- Audio Equipment
- Testing Equipment

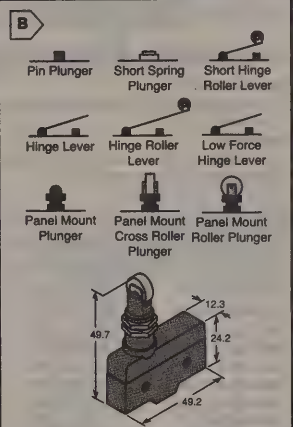
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Actuator Type	Contact Rating	Terminal	Operating Force (gf)	Price Each			
							1	25	50	100
506-UP01DTANLA04	UP01DTANLA04	E	Straight Lever	.01A @ 125/250VAC	PCB	50	.66	.63	.60	.56
506-UP01DTAOLA04	UP01DTAOLA04	E	Pin Plunger	.01A @ 125/250VAC	PCB	150	.44	.42	.40	.37
506-UP01DTAOLB04	UP01DTAOLB04	E	Pin Plunger	.01A @ 125/250VAC	PCB	80	.44	.42	.40	.37
506-UP01DTBNLA04	UP01DTBNLA04	E	Straight Lever	.01A @ 125/250VAC	PCB left	30	.94	.89	.85	.80
506-UP01DTBOLB04	UP01DTBOLB04	E	Pin Plunger	.01A @ 125/250VAC	PCB left	80	.72	.69	.65	.62
506-UP01DTCNLA04	UP01DTCNLA04	E	Pin Plunger	.01A @ 125/250VAC	PCB	50	.94	.89	.85	.80
506-UP01DTCOLB04	UP01DTCOLB04	E	Pin Plunger	.01A @ 125/250VAC	PCB right	80	.72	.69	.65	.62
506-UP3DTANLB04	UP3DTANLB04	E	Straight Lever	3A @ 125/250VAC	PCB	30	.92	.88	.83	.78
506-UP3DTAOLA04	UP3DTAOLA04	E	Pin Plunger	3A @ 125/250VAC	PCB	150	.68	.65	.61	.58
506-UP3DTAOLB04	UP3DTAOLB04	E	Pin Plunger	3A @ 125/250VAC	PCB	80	.68	.65	.61	.58
506-UP3DTBNLB04	UP3DTBNLB04	E	Straight Lever	3A @ 125/250VAC	PCB left	30	1.04	.99	.94	.89
506-UP3DTBOLB04	UP3DTBOLB04	E	Pin Plunger	3A @ 125/250VAC	PCB left	80	.98	.93	.88	.84
506-UP3DTCNLB04	UP3DTCNLB04	E	Straight Lever	3A @ 125/250VAC	PCB right	30	1.04	.99	.94	.89
506-UP3DTCOLA04	UP3DTCOLA04	E	Pin Plunger	3A @ 125/250VAC	PCB right	80	.98	.93	.88	.84

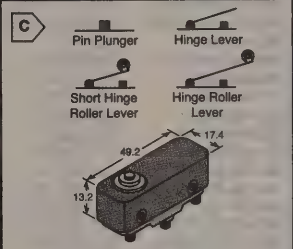
DIMENSIONS: mm



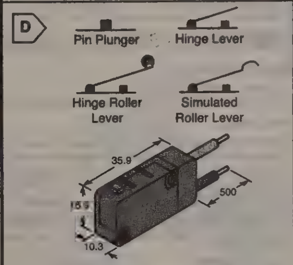
A Series with pin plunger shown



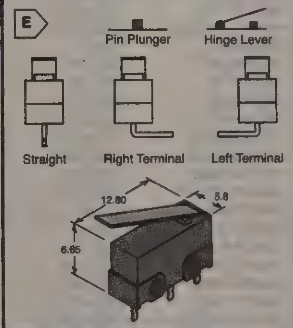
Z Series with panel mount cross roller plunger shown



TZ Series with pin plunger shown



D2RW with pin plunger shown



Shown with Straight Terminal and Lever Actuator

OMRON Basic Switches

OMRON
ELECTRONIC COMPONENTS

OMRON D2MQ SERIES: ULTRA SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Mechanical life: 30,000 operations min.
- Contact gap: 0.15mm
- Use M1.4 mounting screws with screws to mount the switch.

Features:

- Excels in electric characteristics with the snap-action mechanism despite superminiaturized design.
- Gold-plated contacts for micro load switching available in addition to the standard silver-plated contacts.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating (max.)	Contact Material	Operating Force (max.)	Price Each			
							1	25	50	100
653-D2MQ-1	D2MQ-1	A	Pin Plunger	0.5 A @ 30 VDC	Silver-plated	120 gf	2.58	2.45	2.32	2.19
653-D2MQ-1L	D2MQ-1L	A	Leaf Lever	0.5 A @ 30 VDC	Silver-plated	60 gf	2.76	2.63	2.49	2.35
653-D2MQ-1-105	D2MQ-1-105	A	Pin Plunger	50 mA @ 30 VDC	Gold-plated	120 gf	2.76	2.63	2.49	2.35
653-D2MQ-1L-105	D2MQ-1L-105	A	Leaf Lever	50 mA @ 30 VDC	Gold-plated	60 gf	2.90	2.75	2.61	2.46

OMRON SS-P SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact Material: SS-3P - Silver alloy rivet; SS-01P - Gold alloy crossbar
- Contact Gap: 0.5mm

Features:

- Insert molded case for enhanced resistance to flux
- Simple construction with single-leaf spring
- SS series compatible mounting

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating (max.)	Operating Force (max.)	Terminals	Price Each			
							1	25	50	100
653-SS-01GP	SS-01GP	B	Pin Plunger	0.1 A @ 30 VDC	150 gf	Solder	.66	.63	.57	.53
653-SS-01GPT	SS-01GPT	C	Pin Plunger	0.1 A @ 30 VDC	150 gf	#110 QC	.66	.63	.57	.53
653-SS-01GPB	SS-01GPB	E	Pin Plunger	0.1 A @ 30 VDC	150 gf	PCB even	.66	.63	.57	.53
653-SS-01GPD	SS-01GPD	D	Pin Plunger	0.1 A @ 30 VDC	150 gf	PCB uneven	.66	.63	.57	.53
653-SS-01GLP	SS-01GLP	B	Hinge Lever	0.1 A @ 30 VDC	50 gf	Solder	.77	.74	.66	.63
653-SS-01GLPT	SS-01GLPT	C	Hinge Lever	0.1 A @ 30 VDC	50 gf	#110 QC	.77	.74	.66	.63
653-SS-01GLPB	SS-01GLPB	E	Hinge Lever	0.1 A @ 30 VDC	50 gf	PCB even	.77	.74	.66	.63
653-SS-01GLPD	SS-01GLPD	D	Hinge Lever	0.1 A @ 30 VDC	50 gf	PCB uneven	.77	.74	.66	.63
653-SS01-GLT	SS01-GLT	C	Hinge Lever	0.1 A @ 30 VDC	50 gf	#110 QC	3.06	2.92	2.63	2.48
653-SS-01GL13P	SS-01GL13P	B	Sim. Roller Lever	0.1 A @ 30 VDC	50 gf	Solder	.77	.74	.66	.63
653-SS-01GL13PT	SS-01GL13PT	C	Sim. Roller Lever	0.1 A @ 30 VDC	50 gf	#110 QC	.77	.74	.66	.63
653-SS-01GL13PB	SS-01GL13PB	E	Sim.Roller Lever	0.1 A @ 30 VDC	50 gf	PCB even	.77	.74	.66	.63
653-SS-01GL13PD	SS-01GL13PD	D	Sim. Roller Lever	0.1 A @ 30 VDC	50 gf	PCB uneven	.77	.74	.66	.63
653-SS-3GP	SS-3GP	B	Pin Plunger	3 A @ 125 VAC	150 gf	Solder	.60	.57	.51	.48
653-SS-3GPT	SS-3GPT	C	Pin Plunger	3 A @ 125 VAC	150 gf	#110 QC	.60	.57	.51	.48
653-SS-3GPB	SS-3GPB	E	Pin Plunger	3 A @ 125 VAC	150 gf	PCB even	.60	.57	.51	.48
653-SS-3GPD	SS-3GPD	D	Pin Plunger	3 A @ 125 VAC	150 gf	PCB uneven	.60	.57	.51	.48
653-SS-3GLP	SS-3GLP	B	Hinge Lever	3 A @ 125 VAC	50 gf	Solder	.70	.66	.60	.56
653-SS-3GLPT	SS-3GLPT	C	Hinge Lever	3 A @ 125 VAC	50 gf	#110 QC	.70	.66	.60	.56
653-SS-3GLPB	SS-3GLPB	E	Hinge Lever	3 A @ 125 VAC	50 gf	PCB even	.70	.66	.60	.56
653-SS-3GLPD	SS-3GLPD	D	Hinge Lever	3 A @ 125 VAC	50 gf	PCB uneven	.70	.66	.60	.56
653-SS-3GL13P	SS-3GL13P	B	Sim. Roller Lever	3 A @ 125 VAC	50 gf	Solder	.70	.66	.60	.56
653-SS-3GL13PT	SS-3GL13PT	C	Sim. Roller Lever	3 A @ 125 VAC	50 gf	#110 QC	.70	.66	.60	.56
653-SS-3GL13PB	SS-3GL13PB	E	Sim. Roller Lever	3 A @ 125 VAC	50 gf	PCB even	.70	.66	.60	.56
653-SS-3GL13PD	SS-3GL13PD	D	Sim. Roller Lever	3 A @ 125 VAC	50 gf	PCB uneven	.70	.66	.60	.56
653-SS-5GL13	SS-5GL13	B	Sim. Roller Lever	5 A @ 125 VAC	50 gf	Solder	1.60	1.52	1.37	1.30
653-SS-5GL2D	SS-5GL2D	D	Hinge Roller Lever	5 A @ w125 VAC	50 gf	PCB uneven	2.28	2.18	1.96	1.85

OMRON SS SERIES: SUBMINIATURE BASIC SWITCHES

Specifications:

- Contact form: SPDT
- Contacts: SS-01 - Bifurcated crossbar; SS-5 and SS-10 - Standard rivets

Features:

- Economical, subminiature basic switch offers long service life (30 million operations minimum for SS-10)
- All models are free from overtravel restrictions, permit easy setting

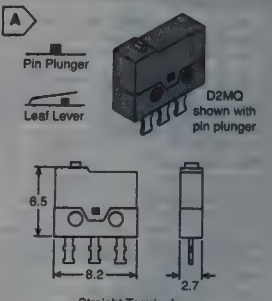
RoHS Compliant

For quantities of 500 and up, call for quote.

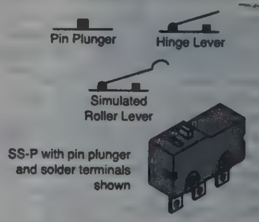
MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating (max.)	Operating Force (max.)	Terminals	Price Each			
							1	25	50	100
653-SS-01	SS-01	G	Pin Plunger	0.1 A @ 30 VDC	150 gf	Solder	2.55	2.43	2.18	2.06
653-SS-01FT	SS-01FT	H	Pin Plunger	0.1 A @ 30 VDC	50 gf	#110 QC	2.08	1.98	1.78	1.68
653-SS-01D	SS-01D	F	Pin Plunger	0.1 A @ 30 VDC	150 gf	PCB	2.67	2.55	2.29	2.16
653-SS-01GL	SS-01GL	G	Hinge Lever	0.1 A @ 30 VDC	50 gf	Solder	2.08	1.98	1.78	1.68
653-SS-01GL13	SS-01GL13	G	Sim. Roller Lever	0.1 A @ 30 VDC	50 gf	Solder	2.75	2.62	2.36	2.22
653-SS-5	SS-5	G	Pin Plunger	5 A @ 125 VAC	150 gf	Solder	1.06	1.01	.91	.86
653-SS-5FT	SS-5FT	H	Pin Plunger	5 A @ 125 VAC	50 gf	#110 QC	1.42	1.35	1.21	1.15
653-SS-5T	SS-5T	H	Pin Plunger	5 A @ 125 VAC	150 gf	#110 QC	1.35	1.29	1.16	1.09
653-SS-5D	SS-5D	F	Pin Plunger	5 A @ 125 VAC	150 gf	PCB	1.23	1.18	1.06	1.00
653-SS-5GL	SS-5GL	G	Hinge Lever	5 A @ 125 VAC	50 gf	Solder	1.02	.97	.94	.89
653-SS-5GLT	SS-5GLT	H	Hinge Lever	5 A @ 125 VAC	50 gf	#110 QC	1.20	1.14	1.03	.97
653-SS-5GLD	SS-5GLD	F	Hinge Lever	5 A @ 125 VAC	50 gf	PCB	1.71	1.63	1.46	1.38
653-SS-5GL2	SS-5GL2	G	Hinge Roller Lever	5 A @ 125 VAC	50 gf	Solder	1.42	1.31	1.16	1.05
653-SS-5GL2T	SS-5GL2T	H	Hinge Roller Lever	5 A @ 125 VAC	50 gf	#110 QC	2.28	2.18	1.96	1.85
653-SS-5GL13T	SS-5GL13T	H	Sim. Roller Lever	5 A @ 125 VAC	50 gf	#110 QC	1.15	1.10	.99	.93
653-SS-10	SS-10	G	Pin Plunger	10.1 A @ 125 VAC	150 gf	Solder	1.88	1.79	1.62	1.53
653-SS-10T	SS-10T	H	Pin Plunger	10.1 A @ 125 VAC	150 gf	#110 QC	2.49	2.37	2.14	2.02
653-SS-10D	SS-10D	F	Pin Plunger	10.1 A @ 125 VAC	150 gf	PCB	2.48	2.37	2.13	2.01
653-SS-10GL	SS-10GL	G	Hinge Lever	10.1 A @ 125 VAC	50 gf	Solder	1.82	1.74	1.56	1.48
653-SS-10GLT	SS-10GLT	H	Hinge Lever	10.1 A @ 125 VAC	50 gf	#110 QC	2.27	2.16	1.94	1.84
653-SS-10GL2T	SS-10GL2T	H	Hinger Roller Lever	10.1 A @ 125 VAC	50 gf	#110 QC	2.55	2.43	2.18	2.06
653-SS-10GL13T	SS-10GL13T	H	Sim. Roller Lever	10.1 A @ 125 VAC	50 gf	#110 QC	2.30	2.19	1.97	1.86

DIMENSIONS: In.

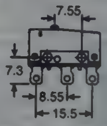
A



Straight Terminals

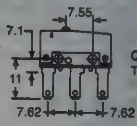


B



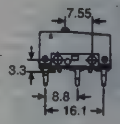
Solder Terminals

C



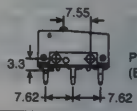
Quick-connect Terminals (#110)

D

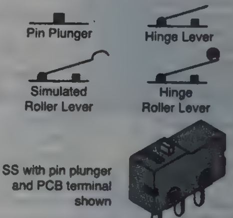


PCB Terminals (Uneven pitch)

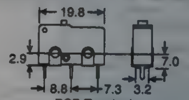
E



PCB Terminals (Even pitch)

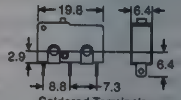


F



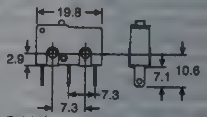
PCB Terminals

G



Soldered Terminals

H



Quick-connect Terminals (#110)

OMRON Basic Switches

OMRON D2MV SERIES: ULTRA-LOW LOAD, MINIATURE BASIC SWITCH

Specifications:

- Contact resistance: D2MV-01 - 50mW max.; D2MV-1 -= 30mW max.
- Terminal type: Solder/QC #187
- Contact material: D2MV-01 - gold alloy; D2MV-1 - Silver

Features:

- Twin crossbar contact for exceptionally high contact reliability in micro load applications.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (max.)	Price Each			
						1	25	50	100
653-D2MV-01-1C1	D2MV-01-1C1	A	Pin Plunger	0.1 A @ 30 VDC	10 gf	5.37	5.03	4.81	4.47
653-D2MV-01-1C3	D2MV-01-1C3	A	Pin Plunger	0.1 A @ 30 VDC	50 gf	5.37	5.03	4.81	4.47
653-D2MV-01L-1C3	D2MV-01L-1C3	A	Hinge lever	0.1 A @ 30 VDC	30 gf	5.37	5.03	4.81	4.47
653-D2MV-01L111-1C3	D2MV-01L111-1C3	A	Long hinge lever	0.1 A @ 30 VDC	15 gf	5.73	5.37	5.13	4.77
653-D2MV-01L22-1C3	D2MV-01L22-1C3	A	Short hinge roller lever	0.1 A @ 30 VDC	50 gf	5.37	5.03	4.81	4.47
653-D2MV-01L2-1C3	D2MV-01L2-1C3	A	Hinge roller lever	0.1 A @ 30 VDC	30 gf	4.34	4.07	3.89	3.61
653-D2MV-1-1C2	D2MV-1-1C2	A	Pin Plunger	1 A @ 125 VAC	25 gf	3.71	3.47	3.32	3.09
653-D2MV-1L111-1C3	D2MV-1L111-1C3	A	Long hinge lever	1 A @ 125 VAC	15 gf	5.63	5.27	5.04	4.69
653-D2MV-1L2-1C3	D2MV-1L2-1C3	A	Hinge roller lever	1 A @ 125 VAC	30 gf	5.36	5.03	4.80	4.47

OMRON D2MC SERIES: LOW-TORQUE ROTARY-ACTION BASIC SWITCH

Specifications:

- Contact resistance: D2MC-01 - 100mΩ max.; D2MV-5 -= 20mΩ max.
- Contact material: D2MC-01 - gold alloy; D2MV-5 - Silver alloy
- Terminal type: Quick connect #205

Features:

- Highly reliable rotary-action switch for low torque operation.
- Long life - 10,000,000 operations

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Direction of Actuation	Contact Rating	Operating Torque (max.)	Price Each			
						1	25	50	100
653-D2MC-5E	D2MC-5E	B	Clockwise	5 A @ 250 VAC	5.1 gf · cm	7.99	7.63	7.26	6.90
653-D2MC-5F	D2MC-5F	B	Clockwise	5 A @ 250 VAC	7.6 gf · cm	7.99	7.63	7.26	6.90
653-D2MC-5H	D2MC-5H	B	Clockwise	5 A @ 250 VAC	10.2 gf · cm	7.99	7.63	7.26	6.90
653-D2MC-5EL	D2MC-5EL	B	Counterclockwise	5 A @ 250 VAC	5.1 gf · cm	7.95	7.58	7.22	6.86
653-D2MC-5FL	D2MC-5FL	B	Counterclockwise	5 A @ 250 VAC	7.6 gf · cm	7.95	7.58	7.22	6.86
653-D2MC-5HL	D2MC-5HL	B	Counterclockwise	5 A @ 250 VAC	10.2 gf · cm	7.95	7.58	7.22	6.86
653-D2MC-01E	D2MC-01E	B	Clockwise	500 mA @ 30VDC	5.1 gf · cm	10.59	10.11	9.63	9.15
653-D2MC-01EL	D2MC-01EL	B	Counterclockwise	500 mA @ 30VDC	5.1 gf · cm	10.59	10.11	9.63	9.15
653-CAA1M	CAA1M	C	Actuator lever			.75	.72	.68	.66

OMRON V SERIES: MINIATURE GENERAL PURPOSE BASIC SWITCHES

Specifications:

- Contact resistance: V15 - 15mΩ; V10 - 30mΩ
- Insulation resistance: 100MΩ
- Terminal type: #187 Quick Connect

Features:

- Switch housing is a thermoset case, giving high versatility
- Contact form: SPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (max.)	Price Each			
						1	25	50	100
653-V10G1C24	V-10G-1C-24-K	D	Pin plunger	10 A @ 250 VAC	100 gf	1.70	1.53	1.28	1.19
653-V-10G-1C25-K	V-10G-1C25-K	D	Pin Plunger	10 A @ 250 VAC	200 gf	2.92	2.63	2.19	2.04
653-V10G21C24	V-10G2-1C24-K	D	Hinge Lever	10 A @ 250 VAC	100 gf	2.36	2.12	1.77	1.65
653-V-10G2-1C25-K	V-10G2-1C25-K	D	Hinge Lever	10 A @ 250 VAC	125 gf	2.62	2.36	1.97	1.84
653-V10G31C24	V-10G3-1C24-K	D	Long Hinge Lever	10 A @ 250 VAC	35 gf	2.48	2.23	1.86	1.74
653-V-10G5-1C24-K	V-10G5-1C24-K	D	Short Hinge Roller Lever	10 A @ 250 VAC	120 gf	2.83	2.55	2.12	1.98
653-V10G51C25	V-10G5-1C25-K	D	Short hinge roller lever	10 A @ 250 VAC	200 gf	2.14	1.93	1.61	1.50
653-V-10G6-1C24-K	V-10G6-1C24-K	D	Hinge Roller Lever	10 A @ 250 VAC	60 gf	2.83	2.55	2.12	1.98
653-V-15G-1A5-K	V-15G-1A5-K	D	Pin Plunger	15 A @ 250 VAC	200 gf	2.32	2.09	1.74	1.62
653-V15G1C25	V-15G-1C-25-K	D	Pin plunger	15 A @ 250 VAC	200 gf	1.75	1.58	1.32	1.23
653-V15G1C25	V-15G-1C25-K	D	Pin Plunger	15 A @ 250 VAC	200 gf	1.75	1.58	1.32	1.23
653-V15G1C26	V-15G-1C-26-K	D	Pin plunger	15 A @ 250 VAC	400 gf	1.75	1.58	1.32	1.23
653-V15G21C25	V-15G2-1C25-K	D	Hinge lever	15 A @ 250 VAC	100 gf	2.05	1.84	1.53	1.43
653-V15G21C26	V-15G2-1C26-K	D	Hinge lever	15 A @ 250 VAC	400 gf	1.78	1.60	1.34	1.25
653-V15G31C25	V-15G3-1C25-K	D	Long hinge lever	15 A @ 250 VAC	200 gf	1.89	1.70	1.42	1.32
653-V15G31C26	V-15G3-1C26-K	D	Long hinge lever	15 A @ 250 VAC	400 gf	1.95	1.75	1.46	1.36
653-V15G41C25	V-15G4-1C25-K	D	Simulated roller lever	15 A @ 250 VAC	200 gf	1.83	1.65	1.48	1.40
653-V15G51C25	V-15G5-1C25-K	D	Short Hinge Roller Lever	15 A @ 250 VAC	240 gf	2.83	2.55	2.12	1.98
653-V15G51C26	V-15G5-1C26-K	D	Short hinge roller lever	15 A @ 250 VAC	400 gf	2.14	1.93	1.61	1.50
653-V15G61C25K	V-15G6-1C25-K	D	Hinge Roller Lever	15 A @ 250 VAC	125 gf	2.83	2.55	2.12	1.98

OMRON VX SERIES: SPDT MINIATURE SNAP ACTION SWITCHES

Specifications:

- Contact rating: 5A @ 250 VAC; 0.1A @ 125VAC
- Inrush current: 15A max.

Features:

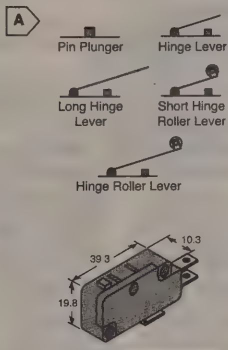
- Compact with low operating force Internal hinge lever mechanism assure contact reliability

RoHS Compliant

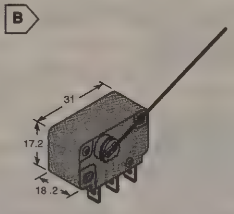
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-VX-5-1A2	VX-5-1A2	E	Pin Plunger	25 gf	Solder/#187 common term.	3.01	2.76	2.63	2.51
653-VX-5-1A3	VX-5-1A3	E	Pin Plunger	50 gf	Solder/#187 common term.	3.01	2.76	2.63	2.51
653-VX-5-1C22	VX-5-1C22	E	Pin Plunger	25 gf	#187 Tab terminal	3.01	2.76	2.63	2.51
653-VX-5-1C23	VX-5-1C23	E	Pin Plunger	50 gf	#187 Tab terminal	3.01	2.76	2.63	2.51
653-VX-51-1A3	VX-51-1A3	E	Short hinge lever	50 gf	Solder/#187 common term.	3.30	3.02	2.88	2.75
653-VX-51-1C23	VX-51-1C23	E	Short hinge lever	50 gf	#187 Tab terminal	3.30	3.02	2.88	2.75
653-VX-52-1A3	VX-52-1A3	E	Hinge lever	30 gf	Solder/#187 common term.	3.30	3.02	2.88	2.75
653-VX-52-1C23	VX-52-1C23	E	Hinge lever	30 gf	#187 Tab terminal	3.30	3.02	2.88	2.75
653-VX-53-1A3	VX-53-1A3	E	Long hinge lever	15 gf	Solder/#187 common term.	3.50	3.21	3.06	2.92
653-VX-53-1C23	VX-53-1C23	E	Long hinge lever	15 gf	#187 Tab terminal	3.50	3.21	3.06	2.92
653-VX-54-1A3	VX-54-1A3	E	Simulated roller lever	30 gf	Solder/#187 common term.	3.36	3.08	2.94	2.80
653-VX-54-1C23	VX-54-1C23	E	Simulated roller lever	30 gf	#187 Tab terminal	3.36	3.08	2.94	2.80
653-VX-55-1A3	VX-55-1A3	E	Short hinge roller lever	50 gf	Solder/#187 common term.	3.79	3.48	3.32	3.16
653-VX-55-1C23	VX-55-1C23	E	Short hinge roller lever	50 gf	#187 Tab terminal	3.79	3.48	3.32	3.16
653-VX-56-1A3	VX-56-1A3	E	Hinge roller lever	30 gf	Solder/#187 common term.	3.79	3.48	3.32	3.16
653-VX-56-1C23	VX-56-1C23	E	Hinge roller lever	30 gf	#187 Tab terminal	3.79	3.48	3.32	3.16

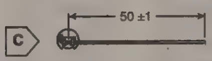
DIMENSIONS: mm



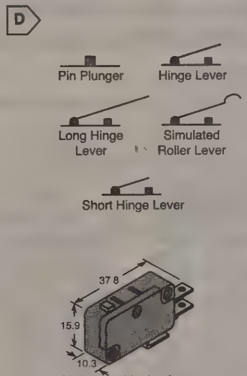
D2MV shown with pin plunger



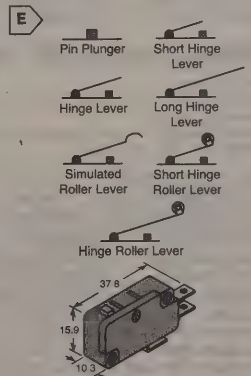
D2MC shown with optional lever (CAA-1M)



Optional lever CAA1M for D2MC



V shown with pin plunger



VX shown with pin plunger

OMRON Sealed Basic Switches

OMRON
ELECTRONIC COMPONENTS

OMRON D2SW-P SERIES: SEALED SUBMINIATURE BASIC SWITCHES

Specifications:

- Contacts: D2SW-P01 - Crossbar; D2SW-P2 - Rivet
- Contact material: D2SW-P01 - Gold alloy; D2SW-P2 - Silver alloy
- Contact form: SPDT
- Contact gap: 0.5mm
- Contact rating: D2SW-P01 - 0.1 A @ 30 VDC/125 VAC;
  D2SW-P2 - 2 A @ 30 VDC/250 VAC

Features:

- Mounting compatible with SS and D2SW Series
- Sealing by using rubber packing means the switch can be used in dustproof or in temporary waterproof environments
- Degree of protection: IEC IP67 (circuit block only)

c UL us

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2SW-P01T	D2SW-P01T	A	Pin Plunger	183 gf	#110 QC	1.38	1.27	1.21	1.15
653-D2SW-P01D	D2SW-P01D	A	Pin Plunger	183 gf	PCB uneven	1.38	1.27	1.21	1.15
653-D2SW-P01L3T	D2SW-P01L3T	A	Simulated Roller Lever	61 gf	#110 QC	1.77	1.63	1.55	1.48
653-D2SW-P01L3D	D2SW-P01L3D	A	Simulated Roller Lever	61 gf	PCB uneven	1.77	1.63	1.55	1.48
653-D2SW-P01L3B	D2SW-P01L3B	A	Simulated Roller Lever	61 gf	PCB even	1.77	1.63	1.55	1.48
653-D2SW-P01L3M	D2SW-P01L3M	A	Simulated Roller Lever	61 gf	Molded lead wires	3.80	3.49	3.33	3.17
653-D2SW-P2T	D2SW-P2T	A	Pin Plunger	183 gf	#110 QC	1.22	1.11	1.06	1.01
653-D2SW-P2L2H	D2SW-P2L2H	A	Hinge Roller Lever	61 gf	Solder	1.96	1.79	1.71	1.63
653-D2SW-P2L3H	D2SW-P2L3H	A	Simulated Roller Lever	61 gf	Solder	1.58	1.45	1.39	1.32
653-D2SW-P2L3M	D2SW-P2L3M	A	Simulated Roller Lever	61 gf	Molded lead wires	3.62	3.31	3.16	3.01

OMRON D2SW SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contacts: D2SW-01 - Crossbar; D2SW-3 - Rivet
- Contact material: D2SW-01 - Gold alloy; D2SW-3 - Silver alloy
- Contact form: SPDT
- Contact gap: 0.5mm
- Contact rating: D2SW-01 - 0.1 A @ 30 VDC/125 VAC
  D2SW-3 - 3 A @ 30 VDC/125 VAC

The standard length of the molded lead wires is 30 cm.

Features:

- Use of epoxy resin assures stable sealing, making this switch ideal for places subject to water spray or excessive dust.
- Degree of protection: IEC IP67

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2SW-01L1MS	D2SW-01L1MS	B	Hinge Lever	60 gf	Molded lead wires	7.18	6.59	6.29	5.99
653-D2SW-01L3TS	D2SW-01L3TS	B	Simulated Roller Lever	60 gf	#110 QC	4.58	4.20	4.01	3.82
653-D2SW-01L3MS	D2SW-01L3MS	B	Simulated Roller Lever	60 gf	Molded lead wires	7.18	6.59	6.29	5.99
653-D2SW-01L2TS	D2SW-01L2TS	B	Hinge Roller Lever	60 gf	#110 QC	4.87	4.46	4.26	4.06
653-D2SW-01L2MS	D2SW-01L2MS	B	Hinge Roller Lever	60 gf	Molded lead wires	7.51	6.88	6.57	6.25
653-D2SW-3HS	D2SW-3HS	B	Pin Plunger	180 gf	Solder	2.88	2.64	2.52	2.40
653-D2SW-3TS	D2SW-3TS	B	Pin Plunger	180 gf	#110 QC	3.31	3.03	2.89	2.76
653-D2SW-3MS	D2SW-3MS	B	Pin Plunger	180 gf	Molded lead wires	5.49	5.03	4.80	4.58
653-D2SW-3L3HS	D2SW-3L3HS	B	Simulated Roller Lever	60 gf	Solder	3.06	2.81	2.68	2.55
653-D2SW-3L3MS	D2SW-3L3MS	B	Simulated Roller Lever	60 gf	Molded lead wires	4.99	4.58	4.37	4.16
653-D2SW-3L1HS	D2SW-3L1HS	B	Hinge Lever	60 gf	Solder	3.06	2.81	2.68	2.55
653-D2SW-3L1TS	D2SW-3L1TS	B	Hinge Lever	60 gf	#110 QC	4.06	3.72	3.55	3.38
653-D2SW-3L1MS	D2SW-3L1MS	B	Hinge Lever	60 gf	Molded lead wires	4.99	4.58	4.37	4.16
653-D2SW-3L2HS	D2SW-3L2HS	B	Hinge Roller Lever	60 gf	Solder	3.50	3.21	3.06	2.91
653-D2SW-3L2MS	D2SW-3L2MS	B	Hinge Roller Lever	60 gf	Molded lead wires	5.27	4.83	4.61	4.39

OMRON D2FW-G SERIES: SUBMINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contacts: Crossbar
- Contact material: D2FW-G0 - Gold alloy; D2FW-G2 - Silver alloy
- Contact gap: 0.25mm
- Contact rating: D2FW-G0 - 0.1 A @ 30 VDC
  D2FW-G2 - 1 A @ 30 VDC

The standard length of the molded lead wires is 30 cm.

Features:

- Single-point mounting with an M4 screw.
- Molded lead wires are installed using lead-free connections for environmental conservation
- Incorporates a fixed leaf lever for tough environments.
- Degree of protection: IEC IP67

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Contact Form	Price Each			
						1	25	50	100
653-D2FW-G071M	D2FW-G071M	C	Leaf Lever	250 gf	SPDT	3.62	3.51	3.39	3.28
653-D2FW-G072M	D2FW-G072M	C	Leaf Lever	250 gf	SPST-NC	3.62	3.51	3.39	3.28
653-D2FW-G073M	D2FW-G073M	C	Leaf Lever	250 gf	SPST-NO	2.73	2.65	2.56	2.48
653-D2FW-G081M	D2FW-G081M	C	Long Leaf Lever	300 gf	SPDT	3.62	3.51	3.39	3.28
653-D2FW-G082M	D2FW-G082M	C	Long Leaf Lever	300 gf	SPST-NC	3.62	3.51	3.39	3.28
653-D2FW-G083M	D2FW-G083M	C	Long Leaf Lever	300 gf	SPST-NO	3.62	3.51	3.39	3.28
653-D2FW-G271M	D2FW-G271M	C	Leaf Lever	250 gf	SPDT	3.62	3.51	3.39	3.28
653-D2FW-G272M	D2FW-G272M	C	Leaf Lever	250 gf	SPST-NC	3.62	3.51	3.39	3.28
653-D2FW-G273M	D2FW-G273M	C	Leaf Lever	250 gf	SPST-NO	2.73	2.65	2.56	2.48
653-D2FW-G281M	D2FW-G281M	C	Long Leaf Lever	300 gf	SPDT	2.73	2.65	2.56	2.48
653-D2FW-G282M	D2FW-G282M	C	Long Leaf Lever	300 gf	SPST-NC	2.73	2.65	2.56	2.48
653-D2FW-G283M	D2FW-G283M	C	Long Leaf Lever	300 gf	SPST-NO	2.73	2.65	2.56	2.48

OMRON D2JW SERIES: IMMERSION-PROOF SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Contact gap: 0.5mm
- Degree of protection: IEC IP67 (excluding the terminals on terminal models)
- Contact rating: 0.1 A @ 30 VDC

Features:

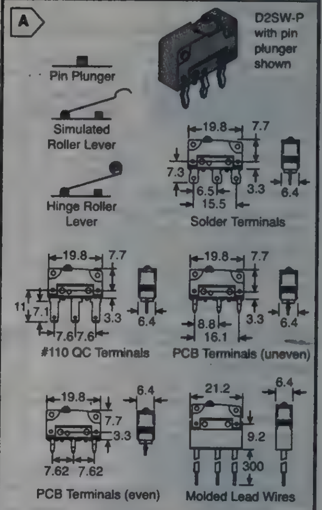
- Ultra-small and highly sealed
- Gold-alloy crossbar contact and coil spring offer long life expectancy and high contact reliability.

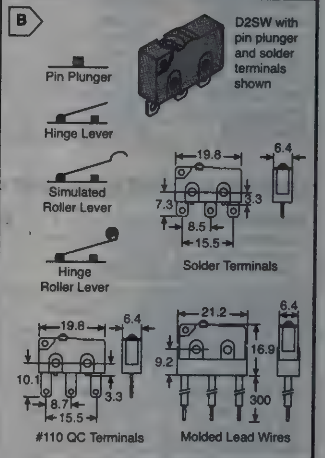
RoHS Compliant

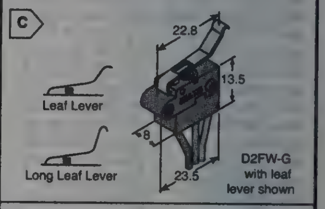
For quantities of 500 and up, call for quote.

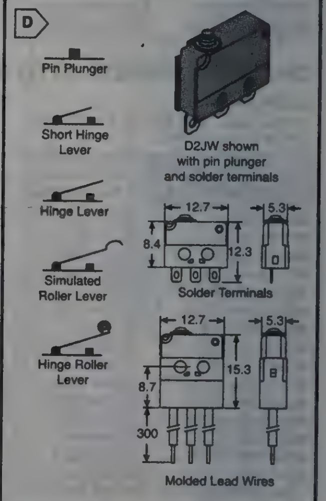
MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Operating Force (max.)	Terminals	Price Each			
						1	25	50	100
653-D2JW-011	D2JW-011	D	Pin Plunger	250 gf	Solder	7.80	7.12	6.79	6.45
653-D2JW-011-MD	D2JW-011-MD	D	Pin Plunger	250 gf	Molded lead wires	9.99	9.12	8.69	8.25
653-D2JW-01K31	D2JW-01K31	D	Simulated Roller Lever	97 gf	Solder	8.22	7.50	7.15	6.79
653-D2JW-01K31-MD	D2JW-01K31-MD	D	Simulated Roller Lever	97 gf	Molded lead wires	10.38	9.47	9.02	8.57
653-D2JW-01K1A1	D2JW-01K1A1	D	Short Hinge Lever	117 gf	Solder	8.22	7.50	7.15	6.79
653-D2JW-01K1A1-MD	D2JW-01K1A1-MD	D	Short Hinge Lever	117 gf	Molded lead wires	10.38	9.47	9.02	8.57
653-D2JW-01K11	D2JW-01K11	D	Hinge Lever	82 gf	Solder	8.22	7.50	7.15	6.79
653-D2JW-01K11-MD	D2JW-01K11-MD	D	Hinge Lever	82 gf	Molded lead wires	10.38	9.47	9.02	8.57
653-D2JW-01K21	D2JW-01K21	D	Hinge Roller Lever	100 gf	Solder	8.62	7.87	7.50	7.12
653-D2JW-01K21-MD	D2JW-01K21-MD	D	Hinge Roller Lever	100 gf	Molded lead wires	10.71	9.78	9.31	8.85

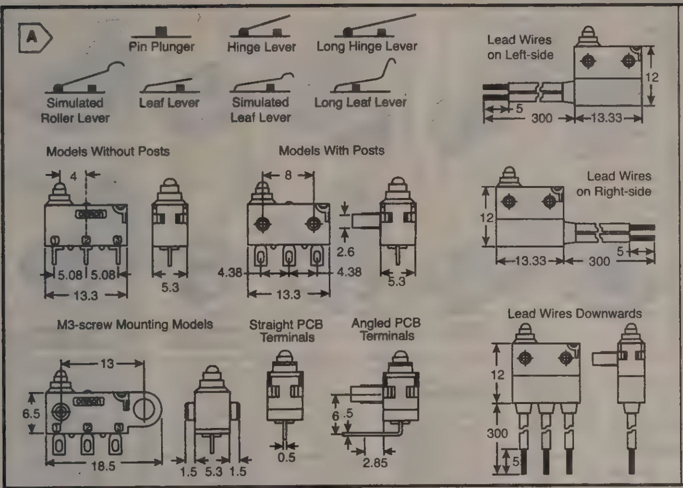
DIMENSIONS: mm

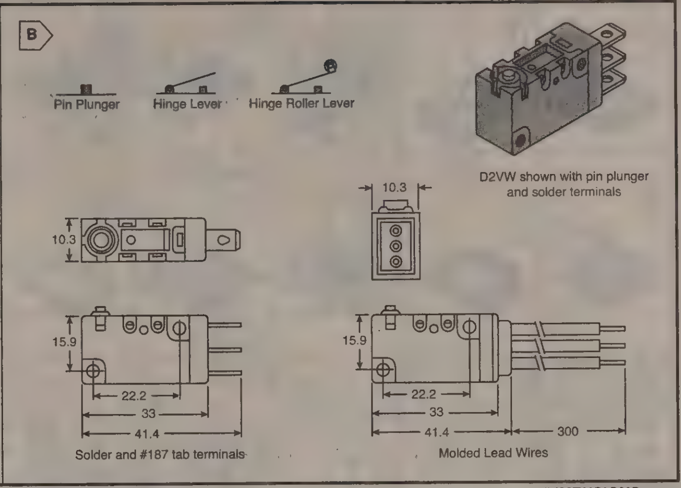

A
D2SW-P with pin plunger shown
Pin Plunger
Simulated Roller Lever
Hinge Roller Lever
19.8
7.7
7.3
6.5
15.5
3.3
6.4
Solder Terminals
11
7.1
7.6
#110 QC Terminals
8.8
16.1
PCB Terminals (uneven)
7.62
PCB Terminals (even)
21.2
9.2
300
Molded Lead Wires


B
D2SW with pin plunger and solder terminals shown
Pin Plunger
Hinge Lever
Simulated Roller Lever
Hinge Roller Lever
19.8
6.4
7.3
3.3
8.5
15.5
Solder Terminals
10.1
8.7
#110 QC Terminals
21.2
16.9
9.2
300
Molded Lead Wires


C
Leaf Lever
Long Leaf Lever
22.8
13.5
8
23.5
D2FW-G with leaf lever shown


D
Pin Plunger
Short Hinge Lever
Hinge Lever
Simulated Roller Lever
Hinge Roller Lever
D2JW shown with pin plunger and solder terminals
12.7
5.3
8.4
12.3
Solder Terminals
15.3
8.7
300
Molded Lead Wires





DIMENSIONS: mm

OMRON D2HW SERIES: SEALED SUBMINIATURE SNAP ACTION SWITCHES

Specifications:

- Degree of protection: IEC IP67 lead wire types; IP50 for terminal solder types
- Extra-long stroke of 1.4mm OT
- Rated voltage: 0.1 A @ 125 VAC; 2 A @ 12 VDC

The standard length of the molded lead wires is 30 cm.

Features:

- Smallest sealed snap-action switch in the industry with a very long stroke for reliable ON/OFF action.
- Made of environment-friendly materials. All models are lead-free, including molded lead wire models.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Form	Operating Force (max.)	Mounting Structure	Terminals	Price Each 1	25	50	100
653-D2HW-A201D	D2HW-A201D	A	Pin Plunger	SPDT	76 gf	Without posts	Straight PCB	1.94	1.84	1.65	1.55
653-D2HW-BL201DL	D2HW-BL201DL	A	Pin Plunger	SPDT	76 gf	Posts on left	Left-angle PCB	1.94	1.84	1.65	1.55
653-D2HW-BR201DR	D2HW-BR201DR	A	Pin Plunger	SPDT	76 gf	Posts on right	Right-angle PCB	1.42	1.35	1.21	1.14
653-D2HW-BL201M	D2HW-BL201M	A	Pin Plunger	SPDT	76 gf	Posts on left	Molded lead wires downward	3.93	3.74	3.34	3.15
653-D2HW-BR201M	D2HW-BR201M	A	Pin Plunger	SPDT	76 gf	Posts on right	Molded lead wires downward	3.93	3.74	3.34	3.15
653-D2HW-C201M	D2HW-C201M	A	Pin Plunger	SPDT	76 gf	M-3 screw mount	Molded lead wires downward	3.76	3.57	3.20	3.01
653-D2HW-BR211DR	D2HW-BR211DR	A	Hinge Lever	SPDT	76 gf	Posts on right	Right-angle PCB	2.06	1.96	1.75	1.65
653-D2HW-BL211M	D2HW-BL211M	A	Hinge Lever	SPDT	76 gf	Posts on left	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BR211M	D2HW-BR211M	A	Hinge Lever	SPDT	76 gf	Posts on right	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-C211M	D2HW-C211M	A	Hinge Lever	SPDT	76 gf	M-3 screw mount	Molded lead wires downward	3.38	3.21	2.87	2.70
653-D2HW-BL212ML	D2HW-BL212ML	A	Hinge Lever	SPST-NC	76 gf	Posts on left	Molded lead wires left-side	4.14	3.93	3.52	3.31
653-D2HW-BR212ML	D2HW-BR212ML	A	Hinge Lever	SPST-NC	76 gf	Posts on right	Molded lead wires left-side	4.14	3.93	3.52	3.31
653-D2HW-BL212MR	D2HW-BL212MR	A	Hinge Lever	SPST-NC	76 gf	Posts on left	Molded lead wires right-side	4.14	3.93	3.52	3.31
653-D2HW-BR212MR	D2HW-BR212MR	A	Hinge Lever	SPST-NC	76 gf	Posts on right	Molded lead wires right-side	4.14	3.93	3.52	3.31
653-D2HW-C212MR	D2HW-C212MR	A	Hinge Lever	SPST-NC	76 gf	M-3 screw mount	Molded lead wires right-side	3.88	3.68	3.30	3.10
653-D2HW-BL213ML	D2HW-BL213ML	A	Hinge Lever	SPST-NO	76 gf	Posts on left	Molded lead wires left-side	4.14	3.93	3.52	3.31
653-D2HW-BR213ML	D2HW-BR213ML	A	Hinge Lever	SPST-NO	76 gf	Posts on right	Molded lead wires left-side	4.14	3.93	3.52	3.31
653-D2HW-BL213MR	D2HW-BL213MR	A	Hinge Lever	SPST-NO	76 gf	Posts on left	Molded lead wires right-side	4.14	3.93	3.52	3.31
653-D2HW-BR213MR	D2HW-BR213MR	A	Hinge Lever	SPST-NO	76 gf	Posts on right	Molded lead wires right-side	4.14	3.93	3.52	3.31
653-D2HW-C213MR	D2HW-C213MR	A	Hinge Lever	SPST-NO	76 gf	M-3 screw mount	Molded lead wires right-side	3.88	3.68	3.29	3.10
653-D2HW-BL221DL	D2HW-BL221DL	A	Long Hinge Lever	SPDT	50 gf	Posts on left	Left-angle PCB	2.06	1.96	1.75	1.65
653-D2HW-BL221M	D2HW-BL221M	A	Long Hinge Lever	SPDT	50 gf	Posts on left	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BR221M	D2HW-BR221M	A	Long Hinge Lever	SPDT	50 gf	Posts on right	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BL231M	D2HW-BL231M	A	Simulated Roller Hinge Lever	SPDT	66 gf	Posts on left	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BR231M	D2HW-BR231M	A	Simulated Roller Hinge Lever	SPDT	66 gf	Posts on right	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BL261M	D2HW-BL261M	A	Leaf Lever	SPDT	183 gf	Posts on left	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BR261M	D2HW-BR261M	A	Leaf Lever	SPDT	183 gf	Posts on right	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BL271M	D2HW-BL271M	A	Simulated Roller Leaf Lever	SPDT	183 gf	Posts on left	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BR271M	D2HW-BR271M	A	Simulated Roller Leaf Lever	SPDT	183 gf	Posts on right	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BL281M	D2HW-BL281M	A	Long Leaf Lever	SPDT	92 gf	Posts on left	Molded lead wires downward	4.14	3.93	3.52	3.31
653-D2HW-BR281M	D2HW-BR281M	A	Long Leaf Lever	SPDT	92 gf	Posts on right	Molded lead wires downward	4.14	3.93	3.52	3.31

OMRON D2VW SERIES: MINIATURE WATERTIGHT SNAP ACTION SWITCHES

Specifications:

- Contact form: SPDT
- Rating for UL/CSA approval is as follows: D2VW-01 - 0.1A @ 125 VAC/30 VDC;
  D2VW-5 - 3A @ 125 VAC/250 VAC
- Mechanical life: 10,000,000 operations min.

The standard length of the molded lead wires is 30 cm.

Features:

- High-quality watertight, high-precision miniauture snap action switches meet IP67 (IEC 529) requirements (for lead wire types) and IP50 (for terminal types)
- Monoblock construction assures high sealing capability and is ideal for dusty environments or where water is sprayed

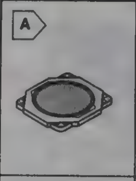
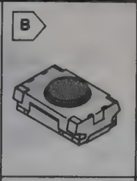
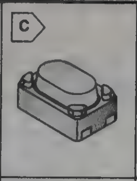
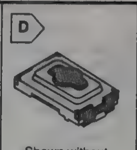
RoHS Compliant

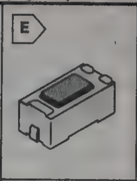
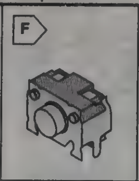
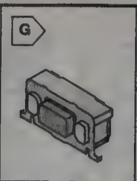
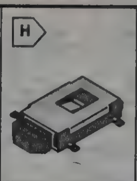
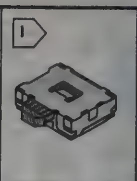
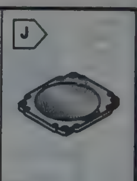
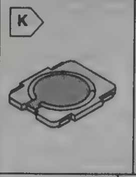
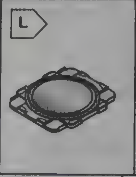
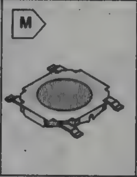
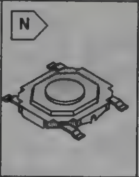
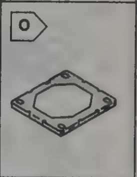
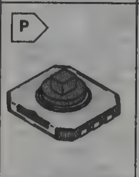
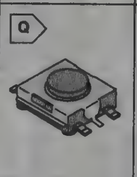
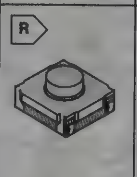
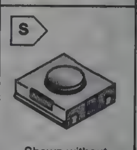
For quantities of 500 and up, call for quote.

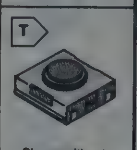
MOUSER STOCK NO.	Omron Part Number	Fig.	Actuator Type	Contact Rating	Operating Force (max.)	Terminals	Price Each 1	25	50	100
653-D2VW-5-1HS	D2VW-5-1HS	B	Pin Plunger	5 A @ 125/250 VAC/30 VDC	200g	Solder and #187 tab terminals	3.35	2.98	2.70	2.43
653-D2VW-01-1HS	D2VW-01-1HS	B	Pin Plunger	0.1 A @ 125VAC/30VDC	200g	Solder and #187 tab terminals	3.48	3.10	2.81	2.52
653-D2VW-5-1MS	D2VW-5-1MS	B	Pin Plunger	5 A @ 125/250 VAC/30 VDC	200g	Molded lead wires	5.54	4.92	4.46	4.01
653-D2VW-01-1MS	D2VW-01-1MS	B	Pin Plunger	0.1 A @ 125VAC/30VDC	200g	Molded lead wires	7.18	6.38	5.78	5.19
653-D2VW-5L1-1HS	D2VW-5L1-1HS	B	Hinge Lever	5 A @ 125/250 VAC/30 VDC	120g	Solder and #187 tab terminals	3.50	3.11	2.82	2.53
653-D2VW-01L1-1HS	D2VW-01L1-1HS	B	Hinge Lever	0.1 A @ 125VAC/30VDC	120g	Solder and #187 tab terminals	4.18	3.72	3.37	3.02
653-D2VW-5L1-1MS	D2VW-5L1-1MS	B	Hinge Lever	5 A @ 125/250 VAC/30 VDC	120g	Molded lead wires	5.39	4.80	4.34	3.90
653-D2VW-01L1-1MS	D2VW-01L1-1MS	B	Hinge Lever	0.1 A @ 125VAC/30VDC	120g	Molded lead wires	7.52	6.69	6.06	5.44
653-D2VW-5L2-1HS	D2VW-5L2-1HS	B	Hinge Roller Lever	5 A @ 125/250 VAC/30 VDC	120g	Solder and #187 tab terminals	3.50	3.11	2.82	2.53
653-D2VW-01L2-1HS	D2VW-01L2-1HS	B	Hinge Roller Lever	0.1 A @ 125VAC/30VDC	120g	Solder and #187 tab terminals	5.60	4.98	4.51	4.05
653-D2VW-5L2-1MS	D2VW-5L2-1MS	B	Hinge Roller Lever	5 A @ 125/250 VAC/30 VDC	120g	Molded lead wires	5.77	5.13	4.65	4.17
653-D2VW-01L2-1MS	D2VW-01L2-1MS	B	Hinge Roller Lever	0.1 A @ 125VAC/30VDC	120g	Molded lead wires	6.38	5.67	5.14	4.61
653-D2VW-5L1B-1MS	D2VW-5L1B-1MS	B	Long Hinge Lever	5 A @ 125/250 VAC/30 VDC	60g	Molded lead wires	8.14	7.77	7.40	7.03
653-D2VW-5L2A-1HS	D2VW-5L2A-1HS	B	Short Hinge Roller Lever	5 A @ 125/250 VAC/30 VDC	230g	Solder and #187 tab terminals	5.20	4.96	4.73	4.49
653-D2VW-5L2A-1MS	D2VW-5L2A-1MS	B	Short Hinge Roller Lever	5 A @ 125/250 VAC/30 VDC	230g	Molded lead wires	8.09	7.72	7.35	6.98
653-D2VW-5L3-1MS	D2VW-5L3-1MS	B	Simulated Roller Lever	5 A @ 125/250 VAC/30 VDC	120g	Molded lead wires	7.62	7.28	6.93	6.58

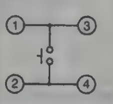
ALPS Tactile Switches

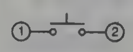
RoHS Compliant This page of product is compliant.

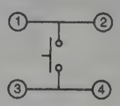
A

B

C

D

Shown without ground terminal.

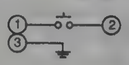
E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

Shown without ground terminal.

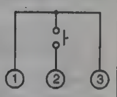
T

Shown without ground terminal.

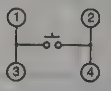
1


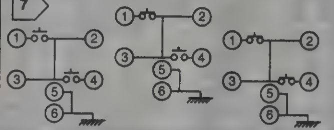
2


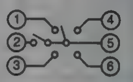
3


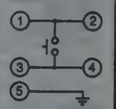
4


5


6


7


8


9


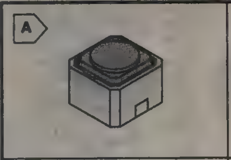
ALPS LOW PROFILE SMD TACTILE SWITCHES

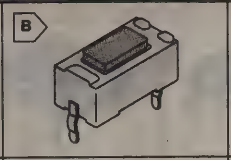
- Contact rating: 50mA @ 12VDC max.
- Tape and reel packaging
- Reflow solderable

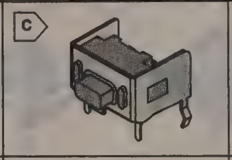
For quantities greater than listed, call for a quote.

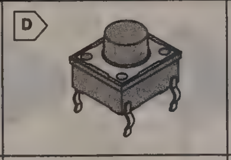
MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm) L	W	H	Operating Force	Travel (mm)	Operating Life	Features	Price Each 1	50	100	500	Reel Quantity	Reel Qty. Price Each
688-SKRWAA	SKRWAA	A1	3.7	3.7	0.35	160 g	0.15	500,000	Compact, low profile	.34	.27	.23	.19	10,000	.13
688-SKRKAE	SKRKAE	B2	3.9	2.9	2	160 g	0.13	200,000	Compact, low profile	.83	.64	.58	.48	4,500	.34
688-SKRPAB	SKRPAB	C3	4.2	3.2	2.5	160 g	0.20	100,000	Strong operating force	.41	.38	.35	.31	4,000	.26
688-SKRPAC	SKRPAC	C3	4.2	3.2	2.5	260 g	0.20	50,000	Strong operating force	.41	.38	.35	.31	4,000	.26
688-SKRPAD	SKRPAD	C3	4.2	3.2	2.5	408 g	0.20	100,000	Strong operating force	.52	.47	.43	.38	4,000	.32
688-SKQYAA	SKQYAA	D4	6.1	3.7	2.5	160 g	0.25	50,000	Larger stem face, quicker mounting	.77	.60	.54	.44	3,000	.32
688-SKQYAB	SKQYAB	D4	6.1	3.7	2.5	260 g	0.25	50,000	Larger stem face, quicker mounting	.77	.60	.54	.44	3,000	.32
688-SKQYAF	SKQYAF	D4	6.1	3.7	2.5	320 g	0.25	50,000	Larger stem face, quicker mounting	.77	.60	.54	.44	3,000	.32
688-SKQYPA	SKQYPA	D4	6.1	3.7	2.5	160 g	0.25	50,000	Larger stem face w/ ground terminal	.78	.61	.55	.45	3,000	.33
688-SKQYPB	SKQYPB	D4	6.1	3.7	2.5	260 g	0.25	50,000	Larger stem face w/ ground terminal	.78	.61	.55	.45	3,000	.33
688-SKQYPD	SKQYPD	D4	6.1	3.7	2.5	320 g	0.25	50,000	Larger stem face w/ ground terminal	.78	.61	.55	.45	3,000	.33
688-SKQMBA	SKQMBA	E2	6.0	3.5	4.3	100 g	0.25	50,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMAS	SKQMAS	E2	6.0	3.5	4.3	160 g	0.25	50,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMAQ	SKQMAQ	E2	6.0	3.5	4.3	260 g	0.25	30,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMAT	SKQMAT	E2	6.0	3.5	5.0	100 g	0.25	50,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMBB	SKQMBB	E2	6.0	3.5	5.0	160 g	0.25	50,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKQMAR	SKQMAR	E2	6.0	3.5	5.0	260 g	0.25	30,000	Compact for high density mounting	.65	.51	.46	.37	2,000	.27
688-SKRTLA	SKRTLA	F5	4.5	3.55	3.3	160 g	0.20	100,000	Side-actuated, with guide bosses	.78	.60	.54	.45	3,000	.33
688-SKRTLB	SKRTLB	F5	4.5	3.55	3.3	160 g	0.20	100,000	Side-actuated, without guide bosses	.78	.60	.54	.45	3,000	.33
688-SKQTLA	SKQTLA	G2	6.9	3.5	3.4	160 g	0.25	50,000	Side-actuated	.78	.60	.54	.45	3,000	.33
688-SKQTLB	SKQTLB	G2	6.9	3.5	3.4	260 g	0.25	30,000	Side-actuated	.78	.60	.54	.45	3,000	.33
688-SKQLLA	SKQLLA	H6	4.0	7.4	1.8	160 g	0.30	50,000	Side-actuated, with guide bosses	.78	.60	.54	.45	3,000	.33
688-SKQLLC	SKQLLC	H6	4.0	7.4	1.8	220 g	0.30	50,000	Side-actuated, with guide bosses	.78	.60	.54	.45	3,000	.33
688-SKQLLB	SKQLLB	H6	4.0	7.4	1.8	160 g	0.30	50,000	Side-actuated, without guide bosses	.78	.60	.54	.45	3,000	.33
688-SKQLLD	SKQLLD	H6	4.0	7.4	1.8	220 g	0.30	50,000	Side-actuated, without guide bosses	.78	.60	.54	.45	3,000	.33
688-SKRELJ	SKRELJ	I2	3.9	3.55	1.5	160 g	0.20	100,000	Side-actuated, with guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRELG	SKRELG	I2	3.9	3.55	1.5	220 g	0.20	100,000	Side-actuated, with guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRELH	SKRELH	I2	3.9	3.55	1.5	160 g	0.20	100,000	Side-actuated, without guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRELF	SKRELF	I2	3.9	3.55	1.5	220 g	0.20	100,000	Side-actuated, without guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRMAA	SKRMAA	J3	4.5	4.5	0.4	160 g	0.15	500,000	Dust preventative structure	.30	.24	.21	.17	10,000	.11
688-SKRMAB	SKRMAB	J3	4.5	4.5	0.4	260 g	0.20	100,000	Dust preventative structure	.30	.24	.21	.17	10,000	.11
688-SKQRAA	SKQRAA	K6	4.8	4.8	0.5	160 g	0.20	500,000	Lightweight	.36	.28	.25	.21	10,000	.13
688-SKQRAC	SKQRAC	K6	4.8	4.8	0.5	240 g	0.20	50,000	Lightweight	.36	.28	.25	.21	10,000	.13
688-SKRBAA	SKRBAA	L1	4.8	4.8	0.55	160 g	0.20	500,000	Dust preventative structure	.39	.30	.27	.23	10,000	.14
688-SKRBAC	SKRBAC	L1	4.8	4.8	0.55	260 g	0.20	50,000	Dust preventative structure	.39	.30	.27	.23	10,000	.14
688-SKQGAE	SKQGAE	M3	5.2	5.2	0.8	100 g	0.25	500,000	Low-profile	.69	.54	.48	.40	5,000	.26
688-SKQGAA	SKQGAA	M3	5.2	5.2	0.8	160 g	0.25	500,000	Low-profile	.69	.54	.48	.40	5,000	.26
688-SKQGAC	SKQGAC	M3	5.2	5.2	0.8	260 g	0.25	50,000	Low-profile	.69	.54	.48	.40	5,000	.26
688-SKQGAF	SKQGAF	N3	5.2	5.2	1.5	100 g	0.25	500,000	Low-profile	.71	.55	.50	.41	4,000	.27
688-SKQGAB	SKQGAB	N3	5.2	5.2	1.5	160 g	0.25	500,000	Low-profile	.71	.55	.50	.41	4,000	.27
688-SKQGAD	SKQGAD	N3	5.2	5.2	1.5	260 g	0.25	100,000	Low-profile	.71	.55	.50	.41	4,000	.27
688-SKRNPA	SKRNPA	O7	6.0	6.0	0.9	80g/250g	.25/.40	30,000	Double action; w/o guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRNPB	SKRNPB	O7	6.0	6.0	0.9	80g/250g	.25/.40	30,000	Double action; w/ guide bosses	1.00	.77	.70	.57	5,000	.37
688-SKRHAB	SKRHAB	P8	7.0	7.35	5.0	125g/240g	.25/.15	200,000	4 directional w/ center push	4.98	3.86	3.49	2.87	1,300	2.24
688-SKRRAA	SKRRAA	A1	7.5	7.0	0.6	100 g	0.25	3,000,000	Long life	.46	.36	.32	.27	7,000	.20
688-SKRRAB	SKRRAB	A1	7.5	7.0	0.6	160 g	0.25	3,000,000	Long life	.46	.36	.32	.27	7,000	.20
688-SKHMPS	SKHMPS	Q9	6.2	6.5	3.1	100 g	0.25	500,000	Good for high density mounting	.65	.51	.46	.37	3,000	.27
688-SKHMPU	SKHMPU	Q9	6.2	6.5	3.1	260 g	0.25	200,000	Good for high density mounting	.65	.51	.46	.37	3,000	.27
688-SKHMPW	SKHMPW	Q9	6.2	6.5	3.1	160 g	0.25	300,000	Good for high density mounting	.65	.51	.46	.37	3,000	.27
688-SKRAAA	SKRAAA	R3	6.2	6.2	3.4	250 g	0.30	100,000	Rubber stem, superb pre-stroke	.77	.60	.54	.44	3,000	.32
688-SKRAAB	SKRAAB	R3	6.2	6.2	3.4	400 g	0.35	100,000	Rubber stem, superb pre-stroke	.77	.60	.54	.44	3,000	.32
688-SKRAAC	SKRAAC	R3	6.2	6.2	5.1	200 g	0.50	100,000	Rubber stem, superb pre-stroke	.79	.61	.55	.46	1,400	.33
688-SKRAAF	SKRAAF	R3	6.2	6.2	5.1	350 g	0.55	100,000	Rubber stem, superb pre-stroke	.79	.61	.55	.46	1,400	.33
688-SKHUAB	SKHUAB	S3	6.2	6.5	2.5	100 g	0.25	300,000	Without ground terminal	.69	.54	.48	.40	3,000	.29
688-SKHUAD	SKHUAD	S3	6.2	6.5	2.5	160 g	0.25	300,000	Without ground terminal	.69	.54	.48	.40	3,000	.29
688-SKHUAF	SKHUAF	S3	6.2	6.5	2.5	260 g	0.25	100,000	Without ground terminal	.69	.54	.48	.40	3,000	.29
688-SKHUPB	SKHUPB	S9	6.2	6.5	2.5	100 g	0.25	300,000	With ground terminal	.72	.56	.51	.42	3,000	.30
688-SKHUPD	SKHUPD	S9	6.2	6.5	2.5	160 g	0.25	300,000	With ground terminal	.72	.56	.51	.42	3,000	.30
688-SKHUPF	SKHUPF	S9	6.2	6.5	2.5	260 g	0.25	100,000	With ground terminal	.72	.56	.51	.42	3,000	.30
688-SKHUBB	SKHUBB	T3	6.2	6.5	3.1	160 g	0.25	50,000	Dust proof	.92	.71	.64	.53	3,000	.38
688-SKHUQB	SKHUQB	T9	6.2	6.5	3.1	160 g	0.25	50,000	Dust proof w/ ground terminal	.99	.77	.69	.57	3,000	.41

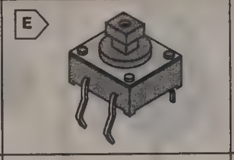
RoHS Compliant This page of product is compliant.

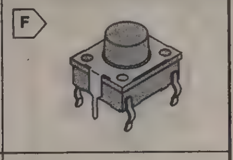
A


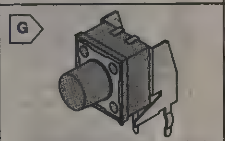
B


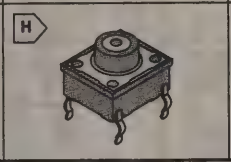
C


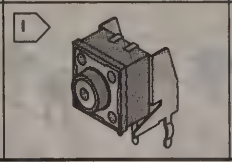
D


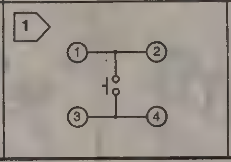
E


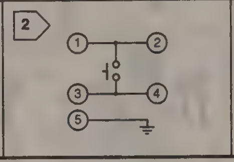
F


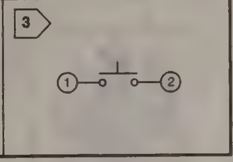
G

Shown without ground terminal.

H


I


1


2


3


ALPS SMD SOFT FEELING TACTILE SWITCHES

- Contact rating: 50mA @ 16VDC max.
- Tape and reel packaging
- Reflow solderable

RoHS Compliant

For quantities greater than listed, call for a quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm)			Operating Force	Travel (mm)	Operating Life	Features	Price Each				Reel Quantity	Reel Qty. Price Each
			L	W	H					1	50	100	500		
688-SKPMAM	SKPMAM	A3	5.9	6.0	4.3	160 g	1.3	100,000	Strong OF prevents mis-operations	.76	.59	.53	.44	2,500	.32
688-SKPMAN	SKPMAN	A3	5.9	6.0	5.0	200 g	1.3	100,000	Strong OF prevents mis-operations	.76	.59	.53	.44	2,000	.32
688-SKPMAP	SKPMAP	A3	5.9	6.0	5.0	250 g	1.3	100,000	Strong OF prevents mis-operations	.76	.59	.53	.44	2,000	.32
688-SKPMAQ	SKPMAQ	A3	5.9	6.0	5.0	360 g	1.3	50,000	Strong OF prevents mis-operations	.76	.59	.53	.44	2,000	.32

ALPS SNAP-IN SHARP FEELING TYPE TACTILE SWITCHES

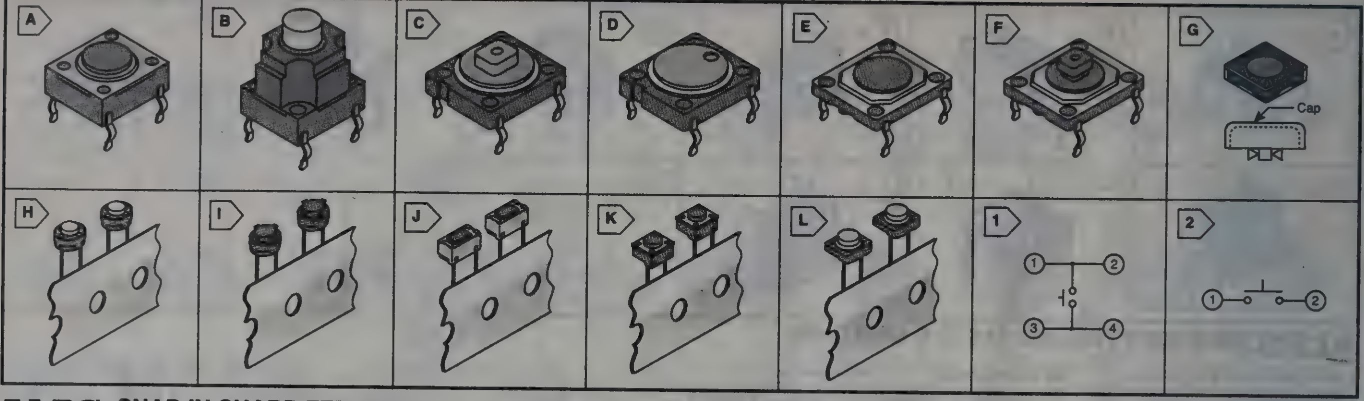
- Contact rating: 50mA @ 12VDC max.

RoHS Compliant

For quantities of 4000 and up, call for a quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm)			Operating Force	Travel (mm)	Operating Life	Features	Price Each					
			L	W	H					1	50	100	500	1000	2000
688-SKHLAA	SKHLAA	B3	6.0	3.5	4.3	100 g	0.25	50,000	High density mounting, Black stem	.48	.37	.34	.28	.22	.20
688-SKHLAC	SKHLAC	B3	6.0	3.5	4.3	160 g	0.25	50,000	High density mounting, Dark gray stem	.48	.37	.34	.28	.22	.20
688-SKHLAJ	SKHLAJ	B3	6.0	3.5	4.3	260 g	0.25	30,000	High density mounting, Red stem	.48	.37	.34	.28	.22	.20
688-SKHLAB	SKHLAB	B3	6.0	3.5	5.0	100 g	0.25	50,000	High density mounting, Black stem	.48	.37	.34	.28	.22	.20
688-SKHLAD	SKHLAD	B3	6.0	3.5	5.0	160 g	0.25	50,000	High density mounting, Dark gray stem	.48	.37	.34	.28	.22	.20
688-SKHLAK	SKHLAK	B3	6.0	3.5	5.0	260 g	0.25	30,000	High density mounting, Red stem	.48	.37	.34	.28	.22	.20
688-SKHLLA	SKHLLA	C3	6.0	3.72	3.5	100 g	0.25	50,000	Terminal length = 3.5mm, Black stem	.48	.37	.34	.28	.22	.20
688-SKHLLB	SKHLLB	C3	6.0	3.72	3.5	160 g	0.25	50,000	Terminal length = 3.5mm, Dark gray stem	.48	.37	.34	.28	.22	.20
688-SKHLLF	SKHLLF	C3	6.0	3.72	3.5	260 g	0.25	30,000	Terminal length = 3.5mm, Red stem	.48	.37	.34	.28	.22	.20
688-SKHLLC	SKHLLC	C3	6.0	3.72	3.5	100 g	0.25	50,000	Terminal length = 2.5mm, Black stem	.48	.37	.34	.28	.22	.20
688-SKHLLD	SKHLLD	C3	6.0	3.72	3.5	160 g	0.25	50,000	Terminal length = 2.5mm, Dark gray stem	.48	.37	.34	.28	.22	.20
688-SKHRAA	SKHRAA	D1	4.5	4.5	3.8	100 g	0.25	50,000	High density mounting, Black stem	.54	.43	.40	.34	.28	.26
688-SKHRAB	SKHRAB	D1	4.5	4.5	3.8	160 g	0.25	30,000	High density mounting, Dark gray stem	.54	.43	.40	.34	.28	.26
688-SKHRAH	SKHRAH	D1	4.5	4.5	3.8	260 g	0.25	50,000	High density mounting, Red stem	.54	.43	.40	.34	.28	.26
688-SKHHAJ	SKHHAJ	D1	6.0	6.0	4.3	100 g	0.25	1,000,000	High density mounting, Black stem	.26	.20	.18	.15	.12	.11
688-SKHHAL	SKHHAL	D1	6.0	6.0	4.3	160 g	0.25	500,000	High density mounting, Dark gray stem	.26	.20	.18	.15	.12	.11
688-SKHHAQ	SKHHAQ	D1	6.0	6.0	4.3	260 g	0.25	200,000	High density mounting, Red stem	.26	.20	.18	.15	.12	.11
688-SKHHAK	SKHHAK	D1	6.0	6.0	5.0	100 g	0.25	1,000,000	High density mounting, Black stem	.26	.20	.18	.15	.12	.11
688-SKHHAM	SKHHAM	D1	6.0	6.0	5.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.26	.20	.18	.15	.12	.11
688-SKHHAR	SKHHAR	D1	6.0	6.0	5.0	260 g	0.25	200,000	High density mounting, Red stem	.26	.20	.18	.15	.12	.11
688-SKHHBV	SKHHBV	D1	6.0	6.0	7.0	100 g	0.25	1,000,000	High density mounting, Black stem	.26	.20	.18	.15	.12	.11
688-SKHHBW	SKHHBW	D1	6.0	6.0	7.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.26	.20	.18	.15	.12	.11
688-SKHHBY	SKHHBY	D1	6.0	6.0	7.0	260 g	0.25	200,000	High density mounting, Red stem	.26	.20	.18	.15	.12	.11
688-SKHHAN	SKHHAN	D1	6.0	6.0	9.5	100 g	0.25	1,000,000	High density mounting, Black stem	.26	.20	.18	.15	.12	.11
688-SKHHAP	SKHHAP	D1	6.0	6.0	9.5	160 g	0.25	500,000	High density mounting, Dark gray stem	.26	.20	.18	.15	.12	.11
688-SKHHBS	SKHHBS	D1	6.0	6.0	9.5	260 g	0.25	200,000	High density mounting, Red stem	.26	.20	.18	.15	.12	.11
688-SKHHDT	SKHHDT	D1	6.0	6.0	13.0	100 g	0.25	1,000,000	High density mounting, Black stem	.56	.44	.39	.32	.25	.23
688-SKHHDU	SKHHDU	D1	6.0	6.0	13.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.56	.44	.39	.32	.25	.23
688-SKHHCW	SKHHCW	E1	6.0	6.0	7.3	100 g	0.25	1,000,000	High density mounting, Black joint stem	.36	.27	.25	.21	.18	.17
688-SKHHPJ	SKHHPJ	F2	6.0	6.0	4.3	100 g	0.25	1,000,000	With ground terminal, Black stem	.26	.20	.18	.15	.12	.11
688-SKHHPL	SKHHPL	F2	6.0	6.0	4.3	160 g	0.25	500,000	With ground terminal, Dark gray stem	.26	.20	.18	.15	.12	.11
688-SKHHPQ	SKHHPQ	F2	6.0	6.0	4.3	260 g	0.25	200,000	With ground terminal, Red stem	.26	.20	.18	.15	.12	.11
688-SKHHPK	SKHHPK	F2	6.0	6.0	5.0	100g	0.25	1,000,000	With ground terminal, Black stem	.26	.20	.18	.15	.12	.11
688-SKHHPM	SKHHPM	F2	6.0	6.0	5.0	160 g	0.25	500,000	With ground terminal, Dark gray stem	.26	.20	.18	.15	.12	.11
688-SKHHPR	SKHHPR	F2	6.0	6.0	5.0	260 g	0.25	200,000	With ground terminal, Red stem	.26	.20	.18	.15	.12	.11
688-SKHHQV	SKHHQV	F2	6.0	6.0	7.0	100 g	0.25	1,000,000	With ground terminal, Black stem	.26	.20	.18	.15	.12	.11
688-SKHHQW	SKHHQW	F2	6.0	6.0	7.0	160 g	0.25	500,000	With ground terminal, Dark gray stem	.26	.20	.18	.15	.12	.11
688-SKHHQY	SKHHQY	F2	6.0	6.0	7.0	260g	0.25	200,000	With ground terminal, Red stem	.26	.20	.18	.15	.12	.11
688-SKHHPN	SKHHPN	F2	6.0	6.0	9.5	100 g	0.25	1,000,000	With ground terminal, Black stem	.26	.20	.18	.15	.12	.11
688-SKHHPP	SKHHPP	F2	6.0	6.0	9.5	160 g	0.25	500,000	With ground terminal, Dark gray stem	.26	.20	.18	.15	.12	.11
688-SKHHQN	SKHHQN	F2	6.0	6.0	9.5	260 g	0.25	200,000	With ground terminal, Red stem	.26	.20	.18	.15	.12	.11
688-SKHHLM	SKHHLM	G3	6.0	3.85	6.0	100 g	0.25	1,000,000	High density mounting, Black stem	.30	.24	.21	.17	.14	.13
688-SKHHLN	SKHHLN	G3	6.0	3.85	6.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.30	.24	.21	.17	.14	.13
688-SKHHLP	SKHHLP	G3	6.0	3.85	6.0	260 g	0.25	200,000	High density mounting, Red stem	.30	.24	.21	.17	.14	.13
688-SKHHLU	SKHHLU	G3	6.0	5.85	6.0	100 g	0.25	1,000,000	High density mounting, Black stem	.30	.24	.21	.17	.14	.13
688-SKHHLV	SKHHLV	G3	6.0	5.85	6.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.30	.24	.21	.17	.14	.13
688-SKHHLW	SKHHLW	G3	6.0	5.85	6.0	260 g	0.25	200,000	High density mounting, Red stem	.30	.24	.21	.17	.14	.13
688-SKHHLQ	SKHHLQ	G3	6.0	8.35	6.0	100 g	0.25	1,000,000	High density mounting, Black stem	.30	.24	.21	.17	.14	.13
688-SKHHLR	SKHHLR	G3	6.0	8.35	6.0	160 g	0.25	500,000	High density mounting, Dark gray stem	.30	.24	.21	.17	.14	.13
688-SKHHLS	SKHHLS	G3	6.0	8.35	6.0	260 g	0.25	200,000	High density mounting, Red stem	.30	.24	.21	.17	.14	.13
688-SKHHNH	SKHHNH	G3	6.0	15.85	6.0	100 g	0.25	500,000	High density mounting, Black stem	.60	.47	.42	.35	.27	.25
688-SKHHNJ	SKHHNJ	G3	6.0	15.85	6.0	160 g	0.25	300,000	High density mounting, Dark gray stem	.60	.47	.42	.35	.27	.25
688-SKHHNK	SKHHNK	G3	6.0	15.85	6.0	260 g	0.25	200,000	High density mounting, Red stem	.60	.47	.42	.35	.27	.25
688-SKQJAA	SKQJAA	H1	6.6	6.6	5.0	100 g	0.25	1,000,000	Dust proof, Black stem	.57	.44	.40	.33	.26	.24
688-SKQJAB	SKQJAB	H1	6.6	6.6	5.0	160 g	0.25	500,000	Dust proof, Gray stem	.57	.44	.40	.33	.26	.24
688-SKQJAD	SKQJAD	H1	6.6	6.6	7.0	100 g	0.25	1,000,000	Dust proof, Black stem	.57	.44	.40	.33	.26	.24
688-SKQJAE	SKQJAE	H1	6.6	6.6	7.0	160 g	0.25	500,000	Dust proof, Gray stem	.57	.44	.40	.33	.26	.24
688-SKQJAJ	SKQJAJ	H1	6.6	6.6	9.5	100 g	0.25	200,000	Dust proof, Black stem	.57	.44	.40	.33	.26	.24
688-SKQJAK	SKQJAK	H1	6.6	6.6	9.5	160 g	0.25	200,000	Dust proof, Gray stem	.57	.44	.40	.33	.26	.24
688-SKQJLA	SKQJLA	I2	6.6	3.85	6.6	100 g	0.25	1,000,000	Dust proof, Black stem	1.06	.82	.74	.61	.48	.44
688-SKQJLB	SKQJLB	I2	6.6	3.85	6.6	160 g	0.25	500,000	Dust proof, Gray stem	1.06	.82	.74	.61	.48	.44

RoHS Compliant This page of product is compliant.



ALPS SNAP-IN SHARP FEELING TYPE TACTILE SWITCHES (CONT.)

- Contact rating: 50mA @ 12VDC max.

RoHS Compliant

For quantities of 2000 and up, call for a quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm)			Operating Force	Travel (mm)	Operating Life	Features	Price Each				
			L	W	H					1	50	100	500	1000
688-SKQBAK	SKQBAK	A1	10.0	10.0	5.0	160 g	0.3	100,000	Waterproof, Dust proof, Dark gray stem	1.06	.82	.74	.61	.48
688-SKQBAL	SKQBAL	A1	10.0	10.0	5.0	260 g	0.3	100,000	Waterproof, Dust proof, Red stem	1.06	.82	.74	.61	.48
688-SKQBAP	SKQBAP	B1	10.0	10.0	13.0	160 g	0.3	100,000	Waterproof, Dust proof, Dark gray stem	1.06	.82	.74	.61	.48
688-SKQBAJ	SKQBAJ	B1	10.0	10.0	13.0	260 g	0.3	100,000	Waterproof, Dust proof, Red stem	1.06	.82	.74	.61	.48
688-SKHCAA	SKHCAA	C1	12.0	12.0	7.3	130 g	0.3	1,000,000	Joint stem, Black	.66	.51	.46	.38	.30
688-SKHCAB	SKHCAB	D1	12.0	12.0	4.3	130 g	0.3	1,000,000	Flat stem, Black	.66	.51	.46	.38	.30
688-SKQEAB	SKQEAB	E1	12.0	12.0	4.3	160 g	0.3	10,000,000	Dust proof, Dark gray flat stem	1.13	.88	.79	.65	.51
688-SKQEAD	SKQEAD	E1	12.0	12.0	4.3	260 g	0.3	10,000,000	Dust proof, Red flat stem	1.13	.88	.79	.65	.51
688-SKQEAA	SKQEAA	F1	12.0	12.0	7.6	160 g	0.3	10,000,000	Dust proof, Dark gray joint stem	1.13	.88	.79	.65	.51
688-SKQEAC	SKQEAC	F1	12.0	12.0	7.6	260 g	0.3	10,000,000	Dust proof, Red joint stem	1.13	.88	.79	.65	.51

ALPS CAPS AND KEYTOPS

- Contact rating: 50mA @ 12VDC max.

RoHS Compliant

For quantities of 2000 and up, call for a quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm)			Features	Price Each				
			L	W	H		1	50	100	500	1000
688-SK2AA00510	SK2AA00510	G	12.0	12.0	4.0	Clear cap for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00010	SK2AA00010	G	10.0	10.0	3.0	Red keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00020	SK2AA00020	G	10.0	10.0	3.0	Blue keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00030	SK2AA00030	G	10.0	10.0	3.0	Ivory keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00040	SK2AA00040	G	10.0	10.0	3.0	Black keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29
688-SK2AA00050	SK2AA00050	G	10.0	10.0	3.0	Yellow keytop for joint stem type SKHC, SKQE	.42	.38	.35	.31	.29

ALPS SNAP-IN RADIAL TYPE TACTILE SWITCHES ON TAPE AND REEL

- Contact rating: 50mA @ 12VDC max.

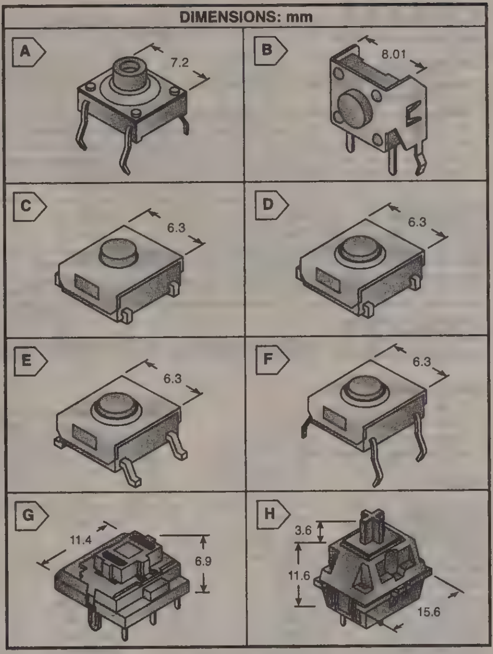
RoHS Compliant

For quantities greater than listed, call for a quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	Size (mm)			Operating Force	Travel (mm)	Operating Life	Features	Price Each				Reel Quantity	Reel Qty. Price Each
			L	W	H					1	50	100	500		
688-SKQNAA	SKQNAA	H2	ø6	—	4.3	100 g	0.25	500,000	Sharp feeling, Black stem	.26	.20	.18	.15	2,000	.11
688-SKQNAB	SKQNAB	H2	ø6	—	4.3	160 g	0.25	500,000	Sharp feeling, White stem	.26	.20	.18	.15	2,000	.11
688-SKQNAC	SKQNAC	H2	ø6	—	4.3	260 g	0.25	200,000	Sharp feeling, Gray stem	.26	.20	.18	.15	2,000	.11
688-SKQNAD	SKQNAD	H2	ø6	—	5	100 g	0.25	500,000	Sharp feeling, Black stem	.26	.20	.18	.15	2,000	.11
688-SKQNAE	SKQNAE	H2	ø6	—	5	160 g	0.25	500,000	Sharp feeling, White stem	.26	.20	.18	.15	2,000	.11
688-SKQNAF	SKQNAF	H2	ø6	—	5	260 g	0.25	200,000	Sharp feeling, Gray stem	.26	.20	.18	.15	2,000	.11
688-SKQNAH	SKQNAH	H2	ø6	—	7	100 g	0.25	500,000	Sharp feeling, Black stem	.26	.20	.18	.15	2,000	.11
688-SKQNAJ	SKQNAJ	H2	ø6	—	7	160 g	0.25	500,000	Sharp feeling, White stem	.26	.20	.18	.15	2,000	.11
688-SKQNAK	SKQNAK	H2	ø6	—	7	260 g	0.25	200,000	Sharp feeling, Gray stem	.26	.20	.18	.15	2,000	.11
688-SKQNAL	SKQNAL	H2	ø6	—	9.5	100 g	0.25	500,000	Sharp feeling, Black stem	.26	.20	.18	.15	2,000	.11
688-SKQNAM	SKQNAM	H2	ø6	—	9.5	160 g	0.25	500,000	Sharp feeling, White stem	.26	.20	.18	.15	2,000	.11
688-SKQNAN	SKQNAN	H2	ø6	—	9.5	260 g	0.25	200,000	Sharp feeling, Gray stem	.26	.20	.18	.15	2,000	.11
688-SKPLAK	SKPLAK	I2	ø6.45	—	5	200 g	1.3	100,000	Soft feeling, Green stem	.76	.59	.53	.44	2,700	.32
688-SKPLAF	SKPLAF	I2	ø6.45	—	5	250 g	1.3	100,000	Soft feeling, Yellow stem	.76	.59	.53	.44	2,700	.32
688-SKQCAA	SKQCAA	J2	6.0	3.5	4.3	100 g	0.25	50,000	Sharp feeling,Black stem	.49	.38	.34	.28	1,500	.20
688-SKQCAB	SKQCAB	J2	6.0	3.5	4.3	160 g	0.25	50,000	Sharp feeling, Dark gray stem	.49	.38	.34	.28	1,500	.20
688-SKQCAC	SKQCAC	J2	6.0	3.5	4.3	260 g	0.25	30,000	Sharp feeling, Red stem	.49	.38	.34	.28	1,500	.20
688-SKQCAD	SKQCAD	J2	6.0	3.5	5	100 g	0.25	50,000	Sharp feeling,Black stem	.49	.38	.34	.28	1,500	.20
688-SKQCAE	SKQCAE	J2	6.0	3.5	5	160 g	0.25	50,000	Sharp feeling, Dark gray stem	.49	.38	.34	.28	1,500	.20
688-SKQCAF	SKQCAF	J2	6.0	3.5	5	260 g	0.25	30,000	Sharp feeling, Red stem	.49	.38	.34	.28	1,500	.20
688-SKHVBA	SKHVBA	K2	6.0	6.0	4.3	100 g	0.25	1,000,000	Sharp feeling,Black stem	.28	.22	.20	.16	1,000	.13
688-SKHVBB	SKHVBB	K2	6.0	6.0	4.3	160 g	0.25	500,000	Sharp feeling, Dark gray stem	.28	.22	.20	.16	1,000	.13
688-SKHVBC	SKHVBC	K2	6.0	6.0	4.3	260 g	0.25	200,000	Sharp feeling, Red stem	.28	.22	.20	.16	1,000	.13
688-SKHVBD	SKHVBD	K2	6.0	6.0	5	100 g	0.25	1,000,000	Sharp feeling,Black stem	.28	.22	.20	.16	1,000	.13
688-SKHVBE	SKHVBE	K2	6.0	6.0	5	160 g	0.25	500,000	Sharp feeling, Dark gray stem	.28	.22	.20	.16	1,000	.13
688-SKHVBF	SKHVBF	K2	6.0	6.0	5	260 g	0.25	200,000	Sharp feeling, Red stem	.28	.22	.20	.16	1,000	.13
688-SKHVBK	SKHVBK	K2	6.0	6.0	7	100 g	0.25	1,000,000	Sharp feeling,Black stem	.28	.22	.20	.16	1,000	.13
688-SKHVBL	SKHVBL	K2	6.0	6.0	7	160 g	0.25	500,000	Sharp feeling, Dark gray stem	.28	.22	.20	.16	1,000	.13
688-SKHVBM	SKHVBM	K2	6.0	6.0	7	260 g	0.25	200,000	Sharp feeling, Red stem	.28	.22	.20	.16	1,000	.13
688-SKHVBG	SKHVBG	K2	6.0	6.0	9.5	100 g	0.25	1,000,000	Sharp feeling,Black stem	.28	.22	.20	.16	1,000	.13
688-SKHVBH	SKHVBH	K2	6.0	6.0	9.5	160 g	0.25	500,000	Sharp feeling, Dark gray stem	.28	.22	.20	.16	1,000	.13
688-SKHVBJ	SKHVBJ	K2	6.0	6.0	9.5	260 g	0.25	200,000	Sharp feeling, Red stem	.28	.22	.20	.16	1,000	.13
688-SKPDAL	SKPDAL	L2	7.8	7.8	5	80 g	1.0	500,000	Soft feeling, Light gray stem	.46	.36	.32	.27	800	.21
688-SKPDAM	SKPDAM	L2	7.8	7.8	5	120 g	1.0	500,000	Soft feeling, Light blue stem	.46	.36	.32	.27	800	.21
688-SKPDAC	SKPDAC	L2	7.8	7.8	5.5	250 g	1.2	100,000	Soft feeling, Blue stem	.56	.44	.39	.32	800	.25

Tactile and Jog Switches

RoHS Compliant **This page of product is compliant.**


DIMENSIONS: mm
A
7.2
B
8.01
C
6.3
D
6.3
E
6.3
F
6.3
G
11.4
6.9
H
3.6
11.6
15.6

APEM SEALED TACTILE SWITCHES

- Dielectric withstanding voltage: 250VAC
- Insulation resistance: 100MΩ min.
- Electrical Life: 100,000 cycles min.
- Contact Form: SPST-No
- Contact Resistance: 100mΩ Max.
- Operating Force: 160g

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Termination Type	Height (mm)	Price Each			
					1	25	100	500
642-MJTP1119	MJTP1119	A	Thru-hole	5	.44	.42	.40	.38
642-MJTP1129	MJTP1129	B	Thru-hole	4.35	.52	.51	.48	.45
642-MJTPSJW69N	MJTPSJW69N	C	SMT	3.7	.31	.29	.27	.26
642-MJTPSJW66N	MJTPSJW66N	D	SMT	3.1	.27	.26	.24	.23
642-MJTPSMW	MJTPSMW	E	SMT	3.1	.27	.26	.24	.23
642-MJTPSHW	MJTPSHW	F	Thru-hole	3.1	.27	.26	.24	.23
642-MJTPSHWA	MJTPSHWA	F	Thru-hole	2.3	.27	.26	.24	.23
642-MJTPSHWB	MJTPSHWB	F	Thru-hole	3.7	.32	.31	.29	.27

CHERRY TACTILE KEYSWITCHES

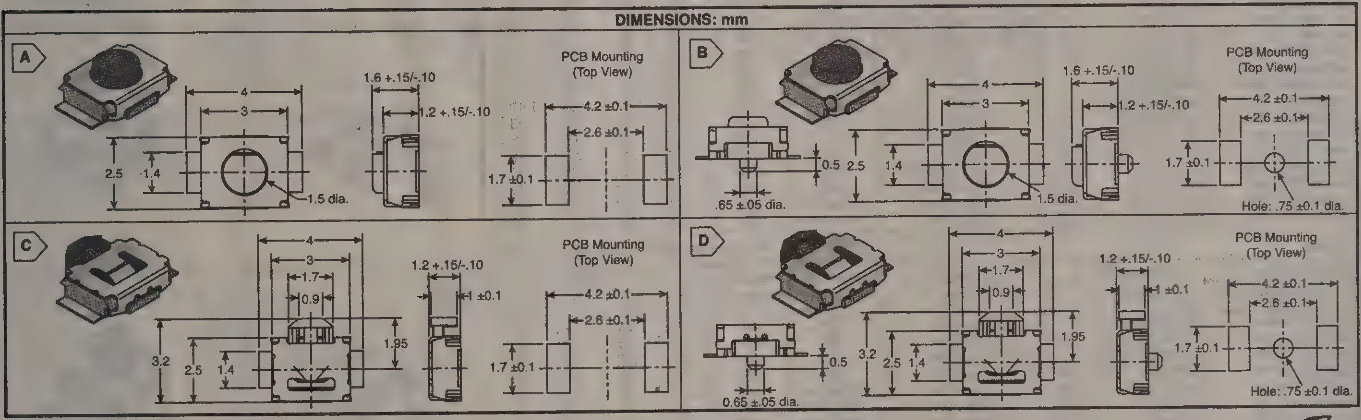
- Switching Current: 10 mA AC/DC max. 10 μA DC min.
- Switching Voltage: 12V AC/DC
- Standard force

RoHS Compliant

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Actuator Travel (mm)	Price Each			
					1	50	100	250
540-ML1A-11JW	ML1A-11JW	G	Tactile, pcb mount, integrated jumper wire	3.0-0.5	1.05	.84	.69	.63
540-MX1A-C1NN	MX1A-C1NN	H	Soft tactile, face plate mount	4.0-0.4	1.08	.86	.71	.65
540-MX1A-E1NN	MX1A-E1NN	H	Click tactile, face plate mount	4.0-0.4	.80	.64	.53	.48
540-MX1A-C1NW	MX1A-C1NW	H	Soft tactile, pcb mount	4.0-0.4	.65	.52	.43	.39
540-MX1A-E1NW	MX1A-E1NW	H	Click tactile, pcb mount	4.0-0.4	.88	.70	.58	.53
540-MX1A-11NN	MX1A-11NN	H	Linear, face plate mount	4.0-0.4	.80	.64	.53	.48
540-MX1A-11NW	MX1A-11NW	H	Linear, pcb mount	4.0-0.4	.80	.64	.53	.48

OMRON B3U SERIES ULTRA-SMALL TACTILE SWITCHES

ELECTRONIC COMPONENTS


DIMENSIONS: mm
A
4
3
2.5
1.4
1.5 dia.
1.6 +.15/-.10
1.2 +.15/-.10
PCB Mounting (Top View)
4.2 ±0.1
2.6 ±0.1
1.7 ±0.1
B
4
3
0.5
2.5
1.4
.65 ±.05 dia.
1.5 dia.
1.6 +.15/-.10
1.2 +.15/-.10
PCB Mounting (Top View)
4.2 ±0.1
2.6 ±0.1
1.7 ±0.1
Hole: .75 ±0.1 dia.
C
4
3
1.7
0.9
3.2
2.5
1.4
1.95
1.2 +.15/-.10
1 ±0.1
PCB Mounting (Top View)
4.2 ±0.1
2.6 ±0.1
1.7 ±0.1
D
4
3
1.7
0.9
0.5
3.2
2.5
1.4
1.95
0.65 ±.05 dia.
1.2 +.15/-.10
1 ±0.1
PCB Mounting (Top View)
4.2 ±0.1
2.6 ±0.1
1.7 ±0.1
Hole: .75 ±0.1 dia.

- Industry's smallest switch allows high-density mounting on PCBs for mobile equipment as of October 2006 (according to OMRON survey)
- Dust-proof construction provides high reliability in dusty environments
- Surface mounted: Ideal for high-density mounting
- Models with ground terminals are available for protection against static electricity

RoHS Compliant

For quantities of 500 and up, call for quote.

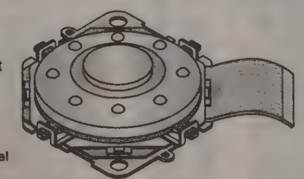
MOUSER STOCK NO.	Omron Part No.	Fig.	O.F.	Actuation	Boss	Price Each			
						1	25	50	100
653-B3U-1000P	B3U-1000P	A	153 g	Top	Without	.98	.95	.85	.76
653-B3U-1000P-B	B3U-1000P-B	B	153g	Top	With	.98	.95	.85	.76
653-B3U-3000P	B3U-3000P	C	162g	Side	Without	.98	.95	.85	.76
653-B3U-3000P-B	B3U-3000P-B	D	162g	Side	With	.98	.95	.85	.76

OMRON B5V SERIES 24MM COMBINATION JOG SWITCHES

ELECTRONIC COMPONENTS

- Hall effect technology facilitates scroll functionality, combined with tactile switching capability
- Use of 5 internal switches, including a center actuator, enhances design of navigational capability
- Power-Down functionality reduces overall power consumption
- Jog Dial provides 360° of continuous rotation:
  - Reliable detection of clockwise or counterclockwise rotation
  - Resolution of 12 detents per 360° rotation

RoHS Compliant



Jog Dial

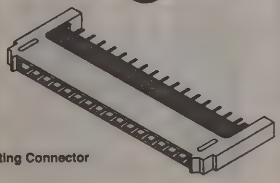
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Number of LED's	Keytop Diameter	Price Each			
				1	25	50	100
653-B5V-1422-D01-L4	B5V-1422-D01-L4	4	7.2mm	11.49	11.20	10.91	10.62
653-B5V-1422-D01-L0	B5V-1422-D01-L0	0	7.2mm	10.91	10.64	10.36	10.09

Mating Connector

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-XF2W-1615-1A	XF2W-1615-1A	16 pin, .5 mm pitch	.78	.69	.62	.57



Mating Connector

OMRON Dome and Tactile Switches

OMRON
ELECTRONIC COMPONENTS

OMRON ELECTRONIC COMPONENTS

B3D - ULTRA-LOW PROFILE DOME KEY SWITCH

Specifications:

- Single-key type added to Series of B3DA Ultra-Low-Profile Dome Arrays
- No soldering required
- Attach directly to PCB to make an ultra-low profile tactile switch
- Construction provides strong resistance to static electricity by having no soldered terminals
- Matrix adhesive used to create highly dust-proof construction with good ventilation
- Lower profile, lighter weight, and crisp clicking action achieved using stainless steel contact dome
- Omron's unique circular contact action ensures a high level of resistance to foreign matter

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Dome Dia.	Switching Capacity	Contact Form	O.F.	Price Each			
							1	25	50	100
653-B3D-4112	B3D-4112	A	4mm	3VDC, 1mA min.	SPST-NO	167gm	.29	.28	.25	.22
653-B3D-5112	B3D-5112	A	5mm	12VDC, 10mA max.	SPST-NO	167gm	.29	.28	.25	.22

OMRON ELECTRONIC COMPONENTS

MECHANICAL KEYSWITCHES (TACTILE)

Specifications:

- Contact form: SPST-NO
- Switching capacity: 50 mA 24 VDC
- Dielectric strength: 500 VAC
- B3FS supplied on Tape & Reel
- Contact resistance: 100MΩ max.
- Insulation resistance: 100MΩ min.
- B3S and B3W sealed for CFC cleaning; can not be water washed.

RoHS Compliant

6mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Termination Type	Actuator (Dim. A)	Operating Force (g)	Price Each			
						1	25	50	100
653-B3F-1000	B3F-1000	B	Thru-hole	Flat (4.3)	100	.19	.18	.16	.15
653-B3F-1100	B3F-1100	B	Thru-hole	Flat (4.3)	100	.32	.27	.24	.22
653-B3F-1002	B3F-1002	B	Thru-hole	Flat (4.3)	150	.22	.20	.18	.16
653-B3F-1005	B3F-1005	B	Thru-hole	Flat (4.3)	260	.32	.27	.24	.22
653-B3F-1020	B3F-1020	B	Thru-hole	Flat (5.0)	100	.22	.20	.18	.16
653-B3F-1022	B3F-1022	B	Thru-hole	Flat (5.0)	150	.23	.21	.19	.16
653-B3F-1070	B3F-1070	B	Thru-hole	Flat (9.5)	100	.24	.22	.19	.18
653-B3F-1050	B3F-1050	C	Thru-hole	Proj. (7.3)	100	.23	.21	.19	.16
653-B3F-1052	B3F-1052	C	Thru-hole	Proj. (7.3)	150	.22	.20	.18	.16
653-B3F-3120	B3F-3120	D	Rt. angle w/grnd term.	Flat	100	.30	.29	.25	.23
653-B3F-3122	B3F-3122	D	Rt. angle w/grnd term.	Flat	150	.30	.28	.24	.21
653-B3F-3150	B3F-3150	E	Rt. angle w/grnd term.	Projected	100	.35	.31	.30	.28
653-B3F-3152	B3F-3152	E	Rt. angle w/grnd term.	Projected	150	.30	.28	.24	.21
653-B3FS-1000	B3FS-1000	F	SMT	Flat	100	.39	.35	.30	.28
653-B3FS-1002	B3FS-1002	F	SMT	Flat	150	.39	.35	.30	.28
653-B3FS-1050	B3FS-1050	F	SMT	Projected	100	1.73	1.57	1.50	1.42
653-B3FS-1052	B3FS-1052	F	SMT	Projected	150	1.73	1.57	1.50	1.42
653-B3S-1000	B3S-1000	G	SMT	Flat	160	.45	.41	.36	.33
653-B3S-1100	B3S-1100	G	SMT	Flat	160	.64	.56	.49	.46
653-B3S-1002	B3S-1002	G	SMT	Flat	230	.45	.41	.36	.32
653-B3W-1000	B3W-1000	H	Thru-hole	Flat	160	.41	.38	.36	.34
653-B3W-1002	B3W-1002	H	Thru-hole	Flat	230	.34	.32	.27	.25
653-B3W-1050	B3W-1050	I	Thru-hole	Projected	160	.34	.32	.27	.25
653-B3W-1052	B3W-1052	I	Thru-hole	Projected	230	.34	.32	.27	.25

12mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Termination Type	Actuator (Dim. A)	Operating Force (g)	Price Each			
						1	25	50	100
653-B3F-4000	B3F-4000	J	Thru-hole	Flat	130	.30	.28	.24	.21
653-B3F-4005	B3F-4005	J	Thru-hole	Flat	260	.30	.28	.24	.21
653-B3F-5000	B3F-5000	J	Thru-hole	Flat	130	.51	.47	.43	.39
653-B3F-5050	B3F-5050	K	Thru-hole	Flat	130	.51	.47	.43	.39
653-B3F-4050	B3F-4050	K	Thru-hole	Projected	130	.31	.29	.25	.23
653-B3F-4150	B3F-4150	K	Thru-hole	Projected	130	.51	.47	.43	.39
653-B3F-4055	B3F-4055	K	Thru-hole	Projected	260	.31	.29	.25	.23
653-B3W-4000	B3W-4000	L	Thru-hole	Flat	200	.42	.39	.33	.30
653-B3W-4100	B3W-4100	L	Thru-hole	Flat	200	.62	.52	.46	.39
653-B3W-4050	B3W-4050	M	Thru-hole	Projected	200	.45	.41	.36	.33
653-B3W-4055	B3W-4055	M	Thru-hole	Projected	350	.62	.52	.46	.39

OMRON ELECTRONIC COMPONENTS

KEY CAPS FOR MECHANICAL KEYSWITCHES

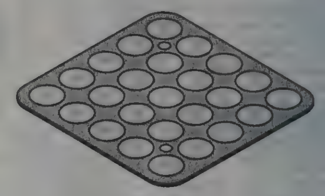
RoHS Compliant

For quantities of 500 and up, call for quote.

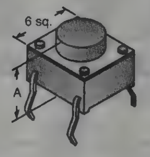
MOUSER STOCK NO.	Omron Part No.	For Use With	Size mm	Color	Price Each			
					1	25	50	100
653-B32-1000	B32-1000	6mm keyswitches	4 x 4	Light gray	.18	.16	.14	.13
653-B32-1010	B32-1010	6mm keyswitches	4 x 4	Black	.18	.16	.14	.13
653-B32-1030	B32-1030	6mm keyswitches	4 x 4	Yellow	.18	.16	.14	.13
653-B32-1040	B32-1040	6mm keyswitches	4 x 4	Blue	.18	.16	.14	.13
653-B32-1060	B32-1060	6mm keyswitches	4 x 4	White	.18	.16	.14	.13
653-B32-1080	B32-1080	6mm keyswitches	4 x 4	Red	.18	.16	.14	.13
653-B32-1200	B32-1200	12mm keyswitches	9 x 9	Light gray	.18	.16	.14	.13
653-B32-1210	B32-1210	12mm keyswitches	9 x 9	Black	.18	.16	.14	.13
653-B32-1230	B32-1230	12mm keyswitches	9 x 9	Yellow	.18	.16	.14	.13
653-B32-1240	B32-1240	12mm keyswitches	9 x 9	Blue	.18	.16	.14	.13
653-B32-1260	B32-1260	12mm keyswitches	9 x 9	White	.18	.16	.14	.13
653-B32-1280	B32-1280	12mm keyswitches	9 x 9	Red	.18	.16	.14	.13
653-B32-1300	B32-1300	12mm keyswitches	12 x 12	Light gray	.18	.16	.14	.13
653-B32-1310	B32-1310	12mm keyswitches	12 x 12	Black	.18	.16	.14	.13
653-B32-1330	B32-1330	12mm keyswitches	12 x 12	Yellow	.18	.16	.14	.13
653-B32-1340	B32-1340	12mm keyswitches	12 x 12	Blue	.18	.16	.14	.13
653-B32-1360	B32-1360	12mm keyswitches	12 x 12	White	.18	.16	.14	.13
653-B32-1380	B32-1380	12mm keyswitches	12 x 12	Red	.22	.20	.18	.17
653-B32-1610	B32-1610	12mm keyswitches	9.5 x 9.5	Black	.26	.24	.22	.20
653-B32-1630	B32-1630	12mm keyswitches	9.5 x 9.5	Yellow	.26	.24	.22	.20

DIMENSIONS: mm

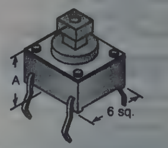
A



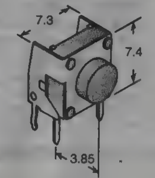
B



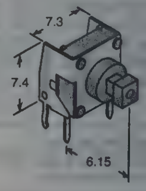
C



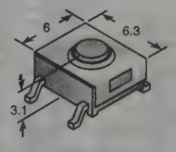
D



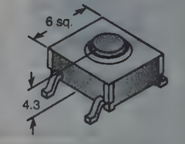
E



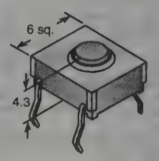
F



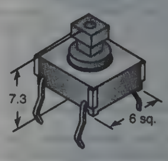
G



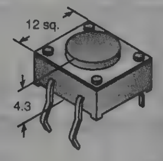
H



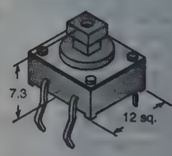
I



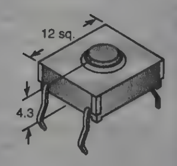
J



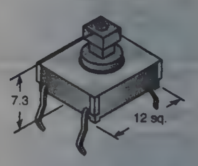
K



L



M



E-SWITCH Navigation and Tactile Switches

E•SWITCH™

JS1300 SMT NAVIGATION SWITCH

NEW FROM SUPPLIER

Specifications:
- Contact rating: 50mA @12VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Actuation Force		Price Each			
				Center	Tilt	1	10	50	100
612-JS1300AQ	JS1300AQ	A	Silver	320+/-50g	160+/-50g	1.88	1.57	1.26	1.13

TL SERIES TACTILE SWITCHES

Specifications:
- Contact rating: 50mA @12VDC (*50mA @ 30 VDC)
- Contact resistance: 20m1/2 max
- Contact form: SPST

4mm x 3mm Gull Wing SMT Top Actuated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL1015AF	TL1015AF160QG	B	Silver	1.6	160g	.63	.57	.48	.38
612-TL1015BF	TL1015BF160QG	B	Silver	1.6	160g	.63	.57	.48	.38

4.7mm x 3.5mm Gull Wing SMT Side Actuated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL1014AF	TL1014AF180QG	C	Silver	2	180g	.63	.57	.48	.38
612-TL1014BF	TL1014BF180QG	C	Silver	2	180g	.63	.57	.48	.38

6 x 3.5mm SMT Gull Wing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL3302A	TL3302AF180QG	D	Silver	4.3	180g	.54	.49	.41	.32
612-TL3302A-260	TL3302AF260QG	D	Silver	4.3	260g	.54	.49	.41	.32

6 x 3.5mm Thru-hole

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL1107AF130W	TL1107AF130WQ	E	Silver	4.3	130g	.33	.30	.25	.20
612-TL1107	TL1107AF180WQ	E	Silver	4.3	180g	.33	.30	.25	.20
612-TL1107A-260	TL1107AF260WQ	E	Silver	4.3	260g	.33	.30	.25	.20
612-TL1107BF180W	TL1107BF180WQ	E	Silver	5	180g	.33	.30	.25	.20

6mm Thru-hole, Tape and Reel Packaging

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL59F160Q	TL59FF160Q	F	Silver	7	160g	.24	.22	.18	.14

6mm SMT Gull Wing

For quantities of 500 and up, call for quote.

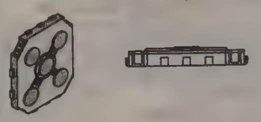
MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL3301AF1	TL3301AF160QG	G	Silver	5	160g	.42	.38	.32	.25
612-TL3301AF2	TL3301AF260QG	G	Silver	5	260g	.42	.38	.32	.25
612-TL3301EF	TL3301EF100QG	G	Silver	7.3	100g	.42	.38	.32	.25
612-TL3301F	TL3301FF160QG	G	Silver	7	160g	.40	.37	.33	.29
612-TL3301N	TL3301NF160QG	G	Silver	4.3	160g	.42	.38	.32	.25
612-TL3301NF	TL3301NF260QG	G	Silver	4.3	260g	.42	.38	.32	.25
612-TL3301SP	TL3301SPF160QG	G	Silver	2.8	160g	.42	.38	.32	.25
612-TL3303F160QG	TL3303F160QG	G	Silver	3.1	160g	.75	.68	.58	.45
612-TL6700NF160QG	TL6700NF160QG	G	Silver	--	160g	.87	.79	.66	.53
612-TL6700AF160QG	TL6700AF160QG	G	Silver	3.4	160g	.87	.79	.66	.53
612-TL6700NF260QG	TL6700NF260QG	G	Silver	--	260g	.87	.79	.66	.53
612-TL6700AF260QG	TL6700AF260QG	G	Silver	3.4	260g	.87	.79	.66	.53

6mm Thru-hole

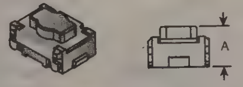
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL1105AF100Q	TL1105AF100Q	H	Silver	5	100g	.24	.22	.18	.14
612-TL1105A	TL1105AF160Q	H	Silver	5	160g	.24	.22	.18	.14
612-TL1105AF250	TL1105AF250Q	H	Silver	5	250g	.15	.14	.12	.09
612-TL1105B	TL1105BF160Q	H	Silver	9.5	160g	.28	.25	.22	.19
612-TL1105BF250	TL1105BF250Q	H	Silver	9.5	250g	.15	.14	.12	.09
612-TL1105C	TL1105CF160Q	H	Silver	8	160g	.15	.14	.12	.09
612-TL1105D	TL1105DF160Q	H	Silver	13	160g	.15	.14	.12	.09
612-TL1105D-250	TL1105DF250Q	H	Silver	13	250g	.15	.14	.12	.09
612-TL1105EF100Q	TL1105EF100Q	H	Silver	7.3	100g	.15	.14	.12	.09
612-TL1105E-250	TL1105EF250Q	H	Silver	7.3	250g	.15	.14	.12	.09
612-TL1105F100Q	TL1105F100Q	H	Silver	7	100g	.15	.14	.12	.09
612-TL1105	TL1105F160Q	H	Silver	7	160g	.15	.14	.12	.09
612-TL1105F160R	TL1105F160R	H	Gold	7	160g	.93	.84	.71	.56
612-TL1105-250	TL1105F250Q	H	Silver	7	250g	.15	.14	.12	.09
612-TL1105FF1	TL1105FF160Q	H	Silver	7	160g	.15	.14	.12	.09
612-TL1105LF250Q	TL1105LF250Q	H	Silver	17	250g	.15	.14	.12	.09
612-TL1105PF1	TL1105PF160Q	H	Silver	8.5	160g	.22	.20	.17	.13
612-TL1105SP	TL1105SPF160Q	H	Silver	2.8	160g	.24	.22	.18	.14
612-TL1105SP-250	TL1105SPF250Q	H	Silver	2.8	250g	.24	.22	.18	.14
612-TL1105T	TL1105TF160Q	I	Silver	2.4	160g	.24	.22	.18	.14

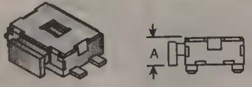
A



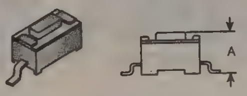
B



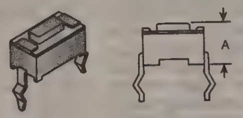
C



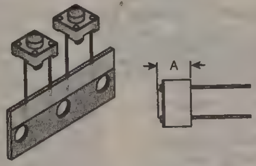
D



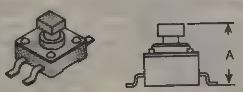
E



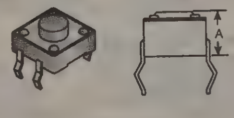
F



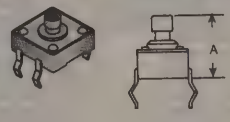
G



H



I



TL SERIES TACTILE SWITCHES (CONT'D)

6mm Right Angle Thru-hole

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL1105JAF100Q	TL1105JAF100Q	A	Silver	2.8	100g	.45	.41	.35	.27
612-TL1105JA	TL1105JAF160Q	A	Silver	2.8	160g	.45	.41	.35	.27
612-TL1105JA-250	TL1105JAF250Q	A	Silver	2.8	250g	.45	.41	.35	.27
612-TL1105M	TL1105MF160Q	B	Silver	6.85	160g	.33	.30	.25	.20
612-TL1105RF100Q	TL1105RF100Q	B	Silver	6.15	100g	.33	.30	.25	.20
612-TL1105R	TL1105RF160Q	B	Silver	6.15	160g	.33	.30	.25	.20
612-TL1105R-250	TL1105RF250Q	B	Silver	6.15	250g	.33	.30	.25	.20
612-TL1105S	TL1105SF160Q	B	Silver	8.35	160g	.33	.30	.25	.20
612-TL1105VF100	TL1105VF100Q	B	Silver	3.85	100g	.33	.30	.25	.20
612-TL1105VF	TL1105VF160Q	B	Silver	3.85	160g	.33	.30	.25	.20
612-TL1105VF	TL1105VF250Q	B	Silver	3.85	250g	.33	.30	.25	.20
612-TL1105WF100Q	TL1105WF100Q	B	Silver	3.15	100g	.33	.30	.25	.20
612-TL1105W	TL1105WF160Q	B	Silver	3.15	160g	.33	.30	.25	.20
612-TL1105W-250	TL1105WF250Q	B	Silver	3.15	250g	.33	.30	.25	.20
612-TL1105X	TL1105XF160Q	B	Silver	5.85	160g	.33	.30	.25	.20

NEW FROM SUPPLIER

6.2mm, Long Life, Thru-hole

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL1140AF070Q	TL1140AF070Q	C	Silver	7.35	70g	.70	.64	.54	.43

NEW FROM SUPPLIER

6.9mm x 2.5mm, Right Angle SMT, Gull Wing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL3330AF130QG	TL3330AF130QG	D	Silver	3.5	130g	.36	.33	.28	.22
612-TL3330AF260QG	TL3330AF260QG	D	Silver	3.5	260g	.36	.33	.28	.22

NEW FROM SUPPLIER

7.1mm, Right Angle SMT, Gull Wing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL3320AF100QG	TL3320AF100QG	E	Silver	3.15	100g	.57	.52	.43	.34
612-TL3320BF100QG	TL3320BF100QG	E	Silver	3.85	100g	.57	.52	.43	.34
612-TL3320AF130QG	TL3320AF130QG	E	Silver	3.15	130g	.57	.52	.43	.34
612-TL3320BF130QG	TL3320BF130QG	E	Silver	3.85	130g	.57	.52	.43	.34
612-TL3320AF160QG	TL3320AF160QG	E	Silver	3.15	160g	.57	.52	.43	.34
612-TL3320BF160QG	TL3320BF160QG	E	Silver	3.85	160g	.57	.52	.43	.34
612-TL3320AF250QG	TL3320AF250QG	E	Silver	3.15	250g	.57	.52	.43	.34
612-TL3320BF250QG	TL3320BF250QG	E	Silver	3.85	250g	.57	.52	.43	.34

7.2mm x 5.08mm, Thru-hole

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL6110AF13	TL6110AF130QP	F	Silver	4.7	130g	1.41	1.27	1.08	.85
612-TL6110AF16	TL6110AF160QP	F	Silver	4.7	160g	1.41	1.27	1.08	.85
612-TL6110BF13	TL6110BF130QP	F	Silver	5.2	130g	1.41	1.27	1.08	.85
612-TL6110BF30	TL6110BF300QP	F	Silver	5.2	300g	1.41	1.27	1.08	.85
612-TL6110CF	TL6110CF160QP	F	Silver	6.9	160g	1.41	1.27	1.08	.85
612-TL6110DF1	TL6110DF160QP	F	Silver	10	160g	1.41	1.27	1.08	.85
612-TL6110DF3	TL6110DF300QP	F	Silver	10	300g	1.08	.97	.83	.65

7.2mm x 5.08mm, SMT Gull Wing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL6120AF1	TL6120AF160QG	G	Silver	4.7	160g	1.26	1.13	.97	.76
612-TL6120AF3	TL6120AF300QG	G	Silver	4.7	300g	1.26	1.13	.97	.76
612-TL6120BF1	TL6120BF130QG	G	Silver	5.2	130g	1.26	1.13	.97	.76
612-TL6120BF3	TL6120BF300QG	G	Silver	5.2	300g	1.26	1.13	.97	.76
612-TL6120CF1	TL6120CF160QG	G	Silver	6.9	160g	1.26	1.13	.97	.76
612-TL6120CF3	TL6120CF300QG	G	Silver	10	300g	1.26	1.13	.97	.76
612-TL6120DF3	TL6120DF300QG	G	Silver	10	300g	1.26	1.13	.97	.76

7.8mm, Soft Touch, Thru-hole

For quantities of 500 and up, call for quote.

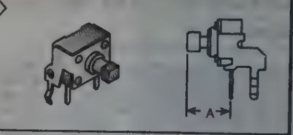
MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL9000F	TL9000F120QG	F	Silver	2	120g	.31	.28	.25	.22

12mm, Thru-hole

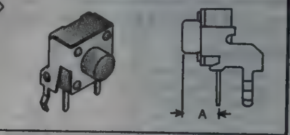
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Material	Act. Height Dim. (A)	Operating Force (g)	Price Each			
						1	10	50	100
612-TL1100	TL1100F160Q	H	Silver	3.3	160g	.42	.38	.32	.25
612-TL1100C	TL1100CF160Q	I	Silver	6.45	160g	.69	.62	.53	.41
612-TL1100D	TL1100DF160Q	F	Silver	4.3	160g	.42	.38	.32	.25
612-TL1100E	TL1100EF160Q	J	Silver	7.5	160g	.33	.30	.25	.20
612-TL1100G	TL1100GF160Q	K	Silver	11.2	160g	.51	.46	.39	.31
612-TL1100F	TL1100FF160Q	L	Silver	12	160g	.42	.38	.32	.25

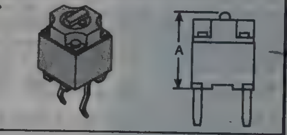
A



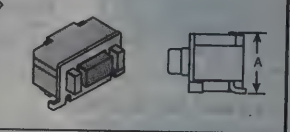
B



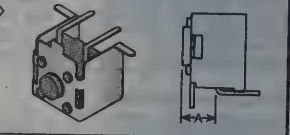
C



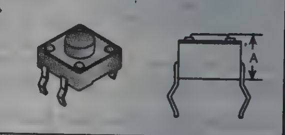
D



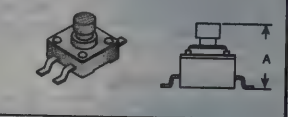
E



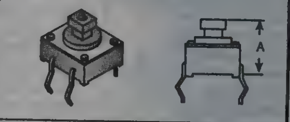
F



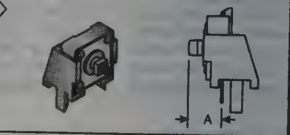
G



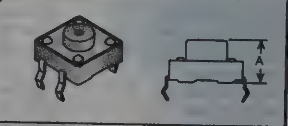
H



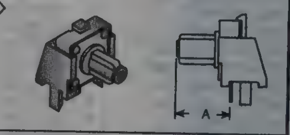
I



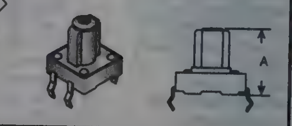
J



K



L



MOUNTAIN SWITCH Surface Mount Tactile Switches

RoHS Compliant **This page of product is compliant.**

TS SERIES TACTILE SWITCHES

3.7x6 SMD Tactile Switch

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm			Operating Force (gf)	Price Each			
		L	W	H		1	10	100	500
101-TS3724T1600-EV	A	6.0	3.7	2.5	160	.69	.54	.44	.37

Extra Thin Side Actuated Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS3923R1600-EV	B	7.0	3.5	3.5	160	.49	.45	.36	.31
101-TS3923R2600-EV	B	7.0	3.5	3.5	260	.49	.45	.36	.31

3.5x6 SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS4322T1601-EV	C	6.0	3.5	4.3	160	.66	.53	.45	.41
101-TS4322T2601-EV	C	6.0	3.5	4.3	260	.66	.53	.45	.41
101-TS4322T3201-EV	C	6.0	3.5	4.3	320	.66	.53	.45	.41
101-TS4322T5201-EV	C	6.0	3.5	4.3	520	.66	.53	.45	.41
101-TS4322T1602-EV	C	6.0	3.5	5.0	160	.66	.53	.45	.41
101-TS4322T2602-EV	C	6.0	3.5	5.0	260	.66	.53	.45	.41
101-TS4322T3202-EV	C	6.0	3.5	5.0	320	.66	.53	.45	.41
101-TS4322T5202-EV	C	6.0	3.5	5.0	520	.66	.53	.45	.41

5x5 Thin SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS4522T1601-EV	D	5.2	5.2	0.8	160	.63	.56	.44	.36
101-TS4522T2601-EV	D	5.2	5.2	0.8	260	.63	.56	.44	.36
101-TS4522T1602-EV	E	5.2	5.2	1.5	160	.63	.56	.44	.36
101-TS4522T2602-EV	E	5.2	5.2	1.5	260	.63	.56	.44	.36

Side Actuated SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS4722R2200-EV	F	3.9	1.5	3.5	220	.64	.55	.49	.44
101-TS4922R2600-EV	F	4.7	1.7	4.5	260	.36	.34	.31	.27

Miniature SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS5022T1601-EV	G	4.7	3.5	2.1	160	.36	.34	.31	.27
101-TS5022T1602-EV	G	4.7	3.5	2.5	160	.36	.34	.31	.27

Right Angle SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS4122R1601-EV	B	6.0	4.5	3.5	160	.69	.54	.48	.42
101-TS4122R3201-EV	B	6.0	4.5	3.5	320	.69	.54	.48	.42
101-TS4122R1602-EV	B	6.0	4.5	4.2	160	.69	.54	.48	.42
101-TS4122R3202-EV	B	6.0	4.5	4.2	320	.69	.54	.48	.42
101-TS5722R1801-EV	H	6.1	6.1	3.0	180	1.60	1.49	1.39	1.29
101-TS5722R1802-EV	H	6.1	6.1	3.8	180	1.60	1.49	1.39	1.29
101-TS5722R1803-EV	H	6.1	6.1	4.0	180	1.60	1.49	1.39	1.29
101-TS5722R1804-EV	H	6.1	6.1	5.3	180	1.60	1.49	1.39	1.29
101-TS5722R2601-EV	H	6.1	6.1	3.0	260	1.60	1.49	1.39	1.29
101-TS5722R2602-EV	H	6.1	6.1	3.8	260	1.60	1.49	1.39	1.29
101-TS5722R2603-EV	H	6.1	6.1	4.0	260	1.60	1.49	1.39	1.29
101-TS5722R2604-EV	H	6.1	6.1	5.3	260	1.60	1.49	1.39	1.29

6x6 Thin F-Type SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS5922T1002-EV	I	6.4	6.2	2.5	100	.36	.33	.31	.29
101-TS5922T1602-EV	I	6.4	6.2	2.5	160	.36	.33	.31	.29
101-TS5922T2602-EV	I	6.4	6.2	2.5	260	.36	.33	.31	.29
101-TS5922T3202-EV	I	6.4	6.2	2.5	320	.36	.33	.31	.29
101-TS5922T5202-EV	I	6.4	6.2	2.5	520	.36	.33	.31	.29

Double Action SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS5322T100-26-EV	I	6.4	6.4	1.5	100/260	.71	.62	.51	.46

6x6 SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS6324T1605BC-EV	K	6.2	6.2	7.3	160	.26	.23	.20	.17
101-TS6324T1607-EV	J	6.2	6.2	13.0	160	.26	.23	.20	.17

12x12 SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS6424T2601-EV	J	12.0	12.0	4.3	260	.76	.69	.62	.56
101-TS6424T3201-EV	J	12.0	12.0	4.3	320	.76	.69	.62	.56
~~101-TS6424T2602AC-EV~~	K	12.0	12.0	7.3	260	.76	.69	.62	.56
101-TS6424T3202AC-EV	K	12.0	12.0	7.3	320	.76	.69	.62	.56
101-TS6424T1603-EV	J	12.0	12.0	8.5	160	.75	.69	.62	.56
101-TS6424T2603-EV	J	12.0	12.0	8.5	260	.76	.69	.62	.56
101-TS6424T3203-EV	J	12.0	12.0	8.5	320	.76	.69	.62	.56

6x6 Washable SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS6824T1601-EV	L	6.3	6.2	2.3	160	.51	.46	.40	.34
101-TS6824T1803-EV	L	6.3	6.2	3.5	180	.51	.46	.40	.34
101-TS6824T2603-EV	L	6.3	6.2	3.5	260	.51	.46	.40	.34
101-TS6824T2604-EV	L	6.3	6.2	3.8	260	.51	.46	.40	.34
101-TS6824T3604-EV	L	6.3	6.2	3.8	360	.51	.46	.40	.34
101-TS6824T1805-EV	L	6.3	6.2	5.2	180	.51	.46	.40	.34
101-TS6824T2605-EV	L	6.3	6.2	5.2	260	.51	.46	.40	.34
101-TS6824T3605-EV	L	6.3	6.2	5.2	360	.51	.46	.40	.34

6x6 Washable J-Type SMD Tactile Switches

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	L	W	H	Operating Force (gf)	1	10	100	500
101-TS6923T1601-EV	M	6.3	6.2	2.3	160	.51	.46	.40	.34
101-TS6923T1803-EV	M	6.3	6.2	3.5	180	.51	.46	.40	.34
101-TS6923T2603-EV	M	6.3	6.2	3.5	260	.51	.46	.40	.34
101-TS6923T2604-EV	M	6.3	6.2	3.8	260	.51	.46	.40	.34
101-TS6923T3604-EV	M	6.3	6.2	3.8	360	.51	.46	.40	.34
101-TS6923T1805-EV	M	6.3	6.2	5.2	180	.51	.46	.40	.34
101-TS6923T2605-EV	M	6.3	6.2	5.2	260	.51	.46	.40	.34
101-TS6923T3605-EV	M	6.3	6.2	5.2	360	.51	.46	.40	.34

Electrical Specifications

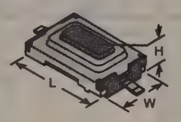
- Rating: 50mA / 12VDC
- Contact resistance: 100MΩ max.
- Insulation resistance: 100MΩ min. / 500VDC
- Dielectric strength: 250VAC / minute

Mechanical Specifications

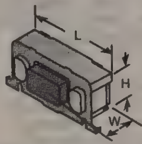
- Operational temp.: -25°C to +70°C
- Storage temp.: -30°C to +80°C

RoHS Compliant

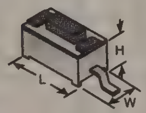
A



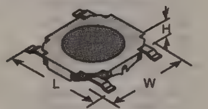
B



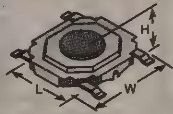
C



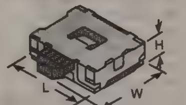
D



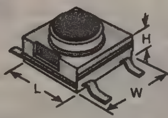
E



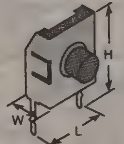
F



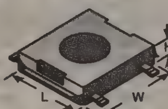
G



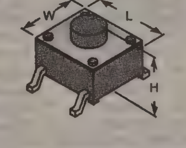
H



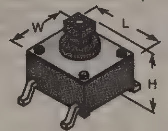
I



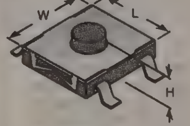
J



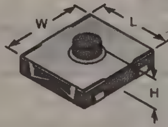
K



L



M



MOUNTAIN SWITCH Tactile Switches

TS SERIES TACTILE SWITCHES

Specifications:
- Rating: 50mA/12VDC
- Dielectric Strength: 250VAC / minute
- Contact Resistance: 100mΩ max.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm			Operating Force (gf)	Price Each			
		L	W	H		1	10	100	500
3.5x6 Tactile Switches									
101-TS4311T1601-EV	A	6.0	3.5	4.3	160	.23	.21	.17	.15
101-TS4311T2601-EV	A	6.0	3.5	4.3	260	.23	.21	.17	.15
101-TS4311T3201-EV	A	6.0	3.5	4.3	320	.23	.21	.17	.15
101-TS4311T5201-EV	A	6.0	3.5	4.3	520	.23	.21	.17	.15
101-TS4311T1602-EV	A	6.0	3.5	5.0	160	.23	.21	.17	.15
101-TS4311T2602-EV	A	6.0	3.5	5.0	260	.23	.21	.17	.15
101-TS4311T3202-EV	A	6.0	3.5	5.0	320	.23	.21	.17	.15
101-TS4311T5202-EV	A	6.0	3.5	5.0	520	.23	.21	.17	.15
6x6 Tactile Switches									
101-TS6111T1601-EV	B	6.2	6.2	4.3	160	.13	.11	.10	.08
101-TS6111T1602-EV	B	6.2	6.2	5.0	160	.13	.11	.10	.08
101-TS6111T1603-EV	B	6.2	6.2	7.0	160	.14	.12	.10	.09
101-TS6111T1605BC-EV	C	6.2	6.2	7.3	160	.20	.17	.12	.11
101-TS6111T1606-EV	B	6.2	6.2	9.5	160	.20	.17	.12	.11
101-TS6111T1607-EV	B	6.2	6.2	13.0	160	.21	.18	.13	.12
12x12 Tactile Switches									
101-TS6211T2601-EV	B	12.0	12.0	4.3	260	.34	.29	.20	.18
101-TS6211T3201-EV	B	12.0	12.0	4.3	320	.34	.29	.20	.18
101-TS6211T2602AC-EV	C	12.0	12.0	7.3	260	.36	.30	.21	.19
101-TS6211T3202AC-EV	C	12.0	12.0	7.3	320	.36	.30	.21	.19
101-TS6211T1603-EV	B	12.0	12.0	8.5	160	.36	.30	.21	.19
101-TS6211T2603-EV	B	12.0	12.0	8.5	260	.38	.32	.23	.21
101-TS6211T3203-EV	B	12.0	12.0	8.5	320	.38	.32	.23	.21
Right Angle Tactile Switches									
101-TS6511R1601-EV	D	6.2	6.2	3.1	160	.26	.23	.19	.16
101-TS6511R1602-EV	D	6.2	6.2	3.8	160	.26	.23	.19	.16
101-TS6511R1603-EV	D	6.2	6.2	5.8	160	.26	.23	.19	.16
101-TS6511R1604BC-EV	D	6.2	6.2	6.1	160	.27	.24	.20	.17
101-TS6511R1605BC-EV	D	6.2	6.2	6.1	160	.27	.24	.20	.17
101-TS6511R1606-EV	D	6.2	6.2	8.3	160	.27	.24	.20	.17
101-TS6511R1607-EV	D	6.2	6.2	11.8	160	.27	.24	.20	.17
6x6 Washable Tactile									
101-TS6711T1602-EV	E	6.3	6.2	3.1	160	.51	.46	.40	.34
101-TS6711T1803-EV	E	6.3	6.2	3.5	180	.51	.46	.40	.34
101-TS6711T2603-EV	E	6.3	6.2	3.5	260	.51	.46	.40	.34
101-TS6711T2604-EV	E	6.3	6.2	3.8	260	.51	.46	.40	.34
101-TS6711T2605-EV	E	6.3	6.2	5.2	260	.51	.46	.40	.34
101-TS6711T3605-EV	E	6.3	6.2	5.2	360	.51	.46	.40	.34
6x6 Radial Leaded Tactile Switches									
101-TS7311T1601-EV	F	6.2	6.2	4.3	160	.18	.16	.14	.13
101-TS7311T1602-EV	F	6.2	6.2	5.0	160	.18	.16	.14	.13
101-TS7311T1603-EV	F	6.2	6.2	7.0	160	.18	.16	.14	.13
101-TS7311T1604BC-EV	F	6.2	6.2	7.3	160	.18	.16	.14	.13
101-TS7311T1605BC-EV	F	6.2	6.2	7.3	160	.18	.16	.14	.13
101-TS7311T1606-EV	F	6.2	6.2	9.0	160	.18	.16	.14	.13
101-TS7311T1607-EV	F	6.2	6.2	13.0	160	.18	.16	.14	.13

TS SERIES TACTILE SWITCH CAPS

RoHS Compliant **For quantities of 1000 and up, call for quote.**

MOUSER STOCK NO.	Fig.	Shape	MOUSER STOCK NO.	Fig.	Shape	Color	Price Each			
							1	10	100	500
For TS Series Tactile Switch P/N's Ending in "AC-EV"										
101-0210-EV	G	Round	101-0110-EV	H	Square	Black	.15	.13	.12	.10
101-0212-EV	G	Round	101-0112-EV	H	Square	Red	.15	.13	.12	.10
101-0214-EV	G	Round	-------	---	------	Yellow	.15	.13	.12	.10
101-0215-EV	G	Round	101-0115-EV	H	Square	Green	.15	.13	.12	.10
101-0216-EV	G	Round	101-0116-EV	H	Square	Blue	.15	.13	.12	.10
101-0219-EV	G	Round	101-0119-EV	H	Square	Ivory	.15	.13	.12	.10
For TS Series Tactile Switch P/N's Ending in "1604BC-EV"										
101-0100-EV	I	Square	101-0200-EV	J	Round	Black	.12	.11	.09	.08
101-0102-EV	I	Square	101-0202-EV	J	Round	Red	.12	.11	.09	.08
101-0104-EV	I	Square	101-0204-EV	J	Round	Yellow	.12	.11	.09	.08
101-0105-EV	I	Square	101-0205-EV	J	Round	Green	.12	.11	.09	.08
101-0106-EV	I	Square	101-0206-EV	J	Round	Blue	.12	.11	.09	.08
101-0109-EV	I	Square	101-0209-EV	J	Round	Ivory	.12	.11	.09	.08

TS55 SERIES ILLUMINATED TACTILE SWITCHES

Specifications:
- Rating: 50mA/12VDC
- Contact Resistance: 100mΩ max.
- Dielectric Strength: 250VAC / minute

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm			Color	Operating Force (gf)	Price Each			
		L	W	H			1	10	100	500
101-TS5511T16002R-EV	K	6.1	6.1	7.0	Red	160	1.99	1.79	1.39	1.25
101-TS5511T16002Y-EV	K	6.1	6.1	7.0	Yellow	160	1.99	1.79	1.39	1.25
101-TS5511T16002G-EV	K	6.1	6.1	7.0	Green	160	1.99	1.79	1.39	1.25
101-TS5511T16002B-EV	K	6.1	6.1	7.0	Blue	160	2.25	2.05	1.79	1.61
101-TS5511T16001W-EV	K	6.1	6.1	7.0	White	260	2.96	2.67	2.37	2.13
101-TS5511T26002R-EV	K	6.1	6.1	7.0	Red	260	1.99	1.79	1.39	1.25
101-TS5511T26002Y-EV	K	6.1	6.1	7.0	Yellow	260	1.99	1.79	1.39	1.25
101-TS5511T26002G-EV	K	6.1	6.1	7.0	Green	260	1.99	1.79	1.39	1.25
101-TS5511T26002B-EV	K	6.1	6.1	7.0	Blue	260	2.25	2.05	1.79	1.61
101-TS5511T26001W-EV	K	6.1	6.1	7.0	White	260	2.96	2.67	2.37	2.13

TS55 SERIES ILLUMINATED TACTILE SWITCH CAPS

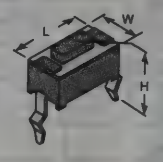
Replace the blank in the Mouser Stock No. with: **YEL** for **Yellow**, **BLU** for **Blue**, **RED** for **Red**, **IVY** for **Ivory**, **BLK** for **Black**, **GRN** for **Green**, **SMN** for **Salmon**.

RoHS Compliant

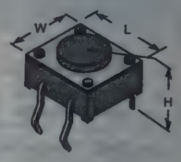
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shape	General Tolerances	Price Each			
				1	10	100	500
101-TS55KCR-___-EV	G	Round	±0.3mm	.50	.45	.39	.35
101-TS55KCS-___-EV	H	Square	±0.3mm	.50	.45	.39	.35

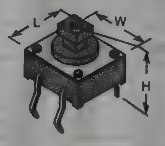
A



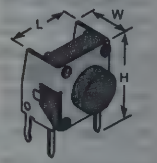
B



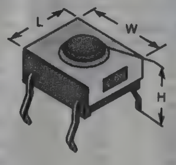
C



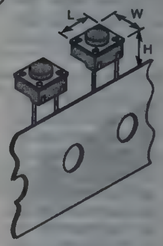
D



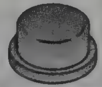
E



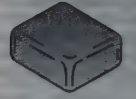
F



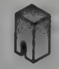
G



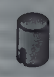
H



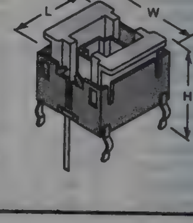
I



J



K



MOUNTAIN SWITCH Tactile Switches and Caps

RoHS Compliant **This page of product is compliant.**

TACTILE SWITCH THRU-HOLE TYPE

Features:

- Available sharp click feel with a positive tactile feedback. Due to small movement distance (stroke), user experiences distinct sensationwhen the switch "clicks" into place.
- Ultraminiature and light weight structure suitable for high density mounting.
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.
- The washable type switches are designed to allow submersed washing after soldering

Specifications:

- Rating: 50mA / 12VDC
- Contact Resistance: 100mΩ max.

RoHS Compliant

Standard

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm		Operating Force (gf)	Price Each				
		H	W		1	10	100	500	1000
101-0161-EV	A	4.3	6.0	130	.20	.17	.15	.14	.11
101-0261-EV	A	5.0	6.0	130	.20	.17	.15	.14	.11
101-0361-EV	A	7.0	6.0	130	.21	.17	.16	.15	.12
101-0461-EV	A	9.5	6.0	130	.21	.18	.16	.15	.12
101-0162-EV	B	4.3	6.0	130	.21	.18	.16	.15	.12
101-0262-EV	B	5.0	6.0	130	.21	.18	.16	.15	.12
101-0362-EV	B	7.0	6.0	130	.24	.20	.18	.17	.14
101-0462-EV	B	9.5	6.0	130	.24	.20	.18	.17	.14
101-0163-EV	C	3.1	6.2	130	.31	.26	.23	.21	.17
101-0263-EV	C	3.8	6.2	130	.31	.26	.23	.21	.17
101-0363-EV	C	5.8	6.2	130	.32	.27	.24	.22	.18
101-0463-EV	C	8.3	6.2	130	.31	.26	.23	.21	.17
† 101-0661-EV	D	7.3	6.0	160	.20	.17	.12	.11	.10
101-0121-EV	E	4.3	12.0	160	.34	.29	.20	.18	.17
* 101-0621-EV	F	7.3	12.0	160	.36	.30	.21	.19	.18

*Order caps A & B below for switches 101-0621-EV and 101-0624-EV.

†Order caps C & D below for switches 101-0661-EV and 101-0664-EV.

Washable

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm		Operating Force (gf)	Price Each				
		H	W		1	10	100	500	1000
101-0165-EV	G	2.3	6.2	160	.50	.44	.39	.33	.30
101-0365-EV	H	3.8	6.2	160	.50	.44	.39	.33	.30

TACTILE SWITCH SURFACE MOUNT

Features:

- Available sharp click feel with a positive tactile feedback. Due to small movement distance (stroke), user experiences distinct sensationwhen the switch "clicks" into place.
- Ultraminiature and light weight structure suitable for high density mounting.
- Insert molding in the contact with special treatment prevents flux build-up during soldering and permits auto-dipping.
- The washable type switches are designed to allow submersed washing after soldering

Specifications:

- Rating: 50mA / 12VDC
- Contact Resistance: 100mΩ max.

RoHS Compliant

Non-Waterproof Gull Wing

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm		Operating Force (gf)	Price Each				
		H	W		1	10	100	500	1000
101-0134-EV	I	4.3	6.0	160	.27	.24	.21	.18	.16
101-0164-EV	J	4.3	6.0	160	.22	.20	.17	.15	.14
101-0264-EV	J	5.0	6.0	160	.22	.20	.17	.15	.14
101-0364-EV	J	7.0	6.0	160	.24	.21	.19	.16	.15
101-0464-EV	J	9.5	6.0	160	.26	.23	.20	.17	.16
† 101-0664-EV	K	7.3	6.0	160	.26	.23	.20	.17	.16
101-0124-EV	L	4.3	12.0	160	.31	.27	.24	.20	.18
* 101-0624-EV	M	7.3	12.0	160	.31	.27	.24	.20	.18

*Order caps A & B below for switches 101-0621-EV and 101-0624-EV.

†Order caps C & D below for switches 101-0661-EV and 101-0664-EV.

Washable Gull Wing

For quantities of 5000 and up, call for quote.

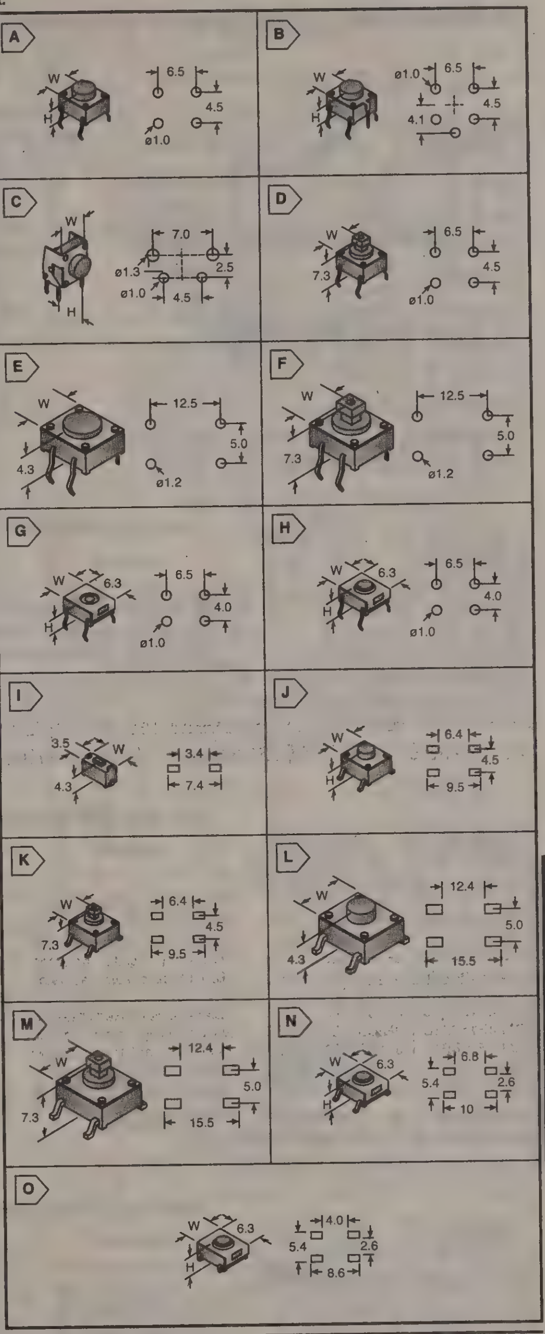
101-0266-EV	N	3.1	6.3	160	.51	.46	.40	.34	.31
101-0366-EV	N	3.8	6.3	160	.51	.46	.40	.34	.31

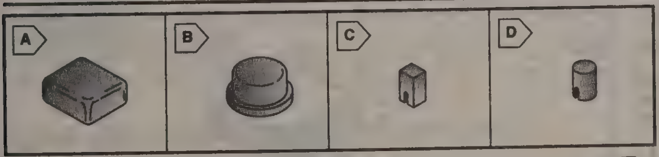
Washable "J" Wing

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: mm		Operating Force (gf)	Price Each				
		H	W		1	10	100	500	1000
101-0267-EV	O	3.1	6.3	160	.51	.46	.40	.34	.31
101-0367-EV	O	3.8	6.3	160	.51	.46	.40	.34	.31

DIMENSIONS: mm





TACTILE SWITCH CAPS

RoHS Compliant

Caps A & B are used with switches 101-0621-EV and 101-0624-EV, caps C & D are used with switches 101-0661-EV and 101-0664-EV.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Shape	Color	Fits Size (mm sq.)	Price Each				
					1	10	100	500	1000
101-0116-EV	A	Square	Blue	12.0	.15	.13	.12	.10	.09
101-0115-EV	A	Square	Green	12.0	.15	.13	.12	.10	.09
101-0110-EV	A	Square	Black	12.0	.15	.13	.12	.10	.09
101-0119-EV	A	Square	Ivory	12.0	.15	.13	.12	.10	.09
101-0112-EV	A	Square	Red	12.0	.15	.13	.12	.10	.09
101-0216-EV	B	Round	Blue	12.0	.15	.13	.12	.10	.09
101-0215-EV	B	Round	Green	12.0	.15	.13	.12	.10	.09
101-0210-EV	B	Round	Black	12.0	.15	.13	.12	.10	.09
101-0219-EV	B	Round	Ivory	12.0	.15	.13	.12	.10	.09
101-0212-EV	B	Round	Red	12.0	.15	.13	.12	.10	.09
101-0214-EV	B	Round	Yellow	12.0	.15	.13	.12	.10	.09
101-0106-EV	C	Square	Blue	6.0	.15	.13	.12	.10	.09
101-0105-EV	C	Square	Green	6.0	.12	.11	.09	.08	.07
101-0100-EV	C	Square	Black	6.0	.12	.11	.09	.08	.07
101-0109-EV	C	Square	Ivory	6.0	.12	.11	.09	.08	.07
101-0102-EV	C	Square	Red	6.0	.12	.11	.09	.08	.07
101-0104-EV	C	Square	Yellow	6.0	.12	.11	.09	.08	.07
101-0206-EV	D	Round	Blue	6.0	.12	.11	.09	.08	.07
101-0205-EV	D	Round	Green	6.0	.12	.11	.09	.08	.07
101-0200-EV	D	Round	Black	6.0	.12	.11	.09	.08	.07
101-0209-EV	D	Round	Ivory	6.0	.12	.11	.09	.08	.07
101-0202-EV	D	Round	Red	6.0	.12	.11	.09	.08	.07
101-0204-EV	D	Round	Yellow	6.0	.12	.11	.09	.08	.07

JB SERIES: PROCESSED SEALED LOW PROFILE TACTILES

- Power rating:
  50mA @ 24VDC for 180g OF (1.76N);
  125mA @ 24VDC 270g OF (2.65N)
- SPST Off-(On)
- Dome contact

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Operating Force (g)	Price Each 1	25	50	100
633-JB15FP	JB15FP	A	Short blue button	180	1.40	1.20	1.06	.92
633-JB15KP	JB15KP	B	Short actuator	180	1.40	1.20	1.06	.92
633-JB15HAP	JB15HAP	C	Extended actuator	270	2.40	2.06	1.78	1.63
Sculptured Snap-On Caps for JB15KP and JB15HAP								
633-AT4058A	AT4058A	D	Black matte finish		.40	.36	.32	.30
633-AT4058B	AT4058B	D	White matte finish		.40	.36	.32	.30
633-AT4058C	AT4058C	D	Red matte finish		.40	.36	.32	.30
633-AT4058H	AT4058H	D	Gray matte finish		.40	.36	.32	.30
Flat Snap-On Caps for JB15KP and JB15HAP								
633-AT4059A	AT4059A	E	Black glossy finish		.80	.72	.65	.59
633-AT4059B	AT4059B	E	White glossy finish		.80	.72	.65	.59
633-AT4059C	AT4059C	E	Red glossy finish		.80	.72	.65	.59
633-AT4059H	AT4059H	E	Gray glossy finish		.80	.72	.65	.59

JB SERIES: ILLUMINATED, PROCESSED SEALED LOW PROFILE TACTILES

- Power rating:
  50mA @ 24VDC for 180g OF (1.76N);
  125mA @ 24VDC 270g OF (2.65N)
- Bright full face illumination
- Dome contact

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
Standard OF (180g); Short Actuator; Flat Snap-on Cap							
633-JB15LPC	JB15LPC-JC	F	Red LED/Flat clear lens/Red diffuser	2.80	2.66	2.52	2.38
633-JB15LPE	JB15LPE-JE	F	Yellow LED/Flat clear lens/Yellow diffuser	2.80	2.66	2.52	2.38
633-JB15LPF	JB15LPF-JF	F	Green LED/Flat clear lens/Green diffuser	2.80	2.66	2.52	2.38
High OF (270g); Extended Actuator; Framed Snap-on Cap							
633-JB15HBPC	JB15HBPC-JC	G	Red LED/Flat clear lens/Red diffuser	3.80	3.61	3.42	3.23
633-JB15HBPE	JB15HBPE-JE	G	Yellow LED/Flat clear lens/Yellow diffuser	3.80	3.61	3.42	3.23
633-JB15HBPF	JB15HBPF-JF	G	Green LED/Flat clear lens/Green diffuser	3.80	3.61	3.42	3.23

JF SERIES: PROCESSED SEALED ULTRA-THIN TACTILES

- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N)
- 5mm height
- SPST Off-(On)
- Dome contact

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
Round Housing and Actuator							
633-JF15CP2C	JF15CP2C	H	Black housing/Red actuator	2.55	2.19	1.94	1.80
633-JF15CP2D	JF15CP2D	H	Black housing/Orange actuator	2.55	2.19	1.94	1.80
633-JF15CP2F	JF15CP2F	H	Black housing/Green actuator	2.55	2.19	1.94	1.80
633-JF15CP2G	JF15CP2G	H	Black housing/Blue actuator	2.55	2.19	1.94	1.80
633-JF15CP2H	JF15CP2H	H	Black housing/Gray actuator	2.55	2.19	1.94	1.80
Square Housing and Actuator							
633-JF15SP1C	JF15SP1C	I	Black housing/Red actuator	2.55	2.19	1.94	1.80
633-JF15SP1D	JF15SP1D	I	Black housing/Orange actuator	2.55	2.19	1.94	1.80
633-JF15SP1F	JF15SP1F	I	Black housing/Green actuator	2.55	2.19	1.94	1.80
633-JF15SP1G	JF15SP1G	I	Black housing/Blue actuator	2.55	2.19	1.94	1.80
633-JF15SP1H	JF15SP1H	I	Black housing/Gray actuator	2.55	2.19	1.94	1.80

JF SERIES: ILLUMINATED, PROCESSED SEALED ULTRA-THIN TACTILES

- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N) for flush actuator;
  204g (2.0N) for sculptured actuator
- Spot or full face illumination
- SPST Off-(On)
- Dome contact

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
Spot Illuminated, Sculptured Actuator							
633-JF15RP3HC	JF15RP3HC	J	Gray actuator/Red LED	3.99	3.28	3.11	2.90
633-JF15RP3HE	JF15RP3HE	J	Gray actuator/Yellow LED	3.99	3.28	3.11	2.90
633-JF15RP3HF	JF15RP3HF	J	Gray actuator/Green LED	3.99	3.28	3.11	2.90
633-JF15RP3GC	JF15RP3GC	J	Blue actuator/Red LED	3.99	3.28	3.11	2.90
633-JF15RP3GE	JF15RP3GE	J	Blue actuator/Yellow LED	3.99	3.28	3.11	2.90
633-JF15RP3GF	JF15RP3GF	J	Blue actuator/Green LED	3.99	3.28	3.11	2.90
Full Face Illuminated, Square Actuator							
633-JF15AP1CC	JF15AP1CC	K	Red actuator/Red LED	4.65	4.42	3.95	3.91
633-JF15AP1EE	JF15AP1EE	K	Yellow actuator/Yellow LED	5.60	5.32	4.76	4.70
633-JF15AP1FF	JF15AP1FF	K	Green actuator/Green LED	4.85	4.61	4.12	4.08

JL SERIES: ILLUMINATED, ULTRA-THIN TACTILES

- Power rating: 50mA @ 24VDC
- OF: 306g (3.0N)
- SPST Off-(On)
- Full face illumination
- Dome contact
- Low profile

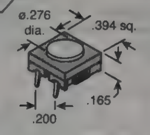
RoHS Compliant

For quantities of 500 and up, call for quote.

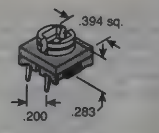
MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each 1	25	50	100
633-JL15SKSBCP2-RO	JL15SKSBCP2-RO	L	White actuator/Red LED	18.00	16.34	14.85	13.86
633-JL15SKSBDP2RO	JL15SKSBDP2-RO	L	White actuator/Amber LED	19.50	17.70	16.09	15.02
633-SK633SBFP2-RO	JL15SKSBFP2-RO	L	White actuator/Green LED	19.50	17.70	16.09	15.02
633-SKSCCP2-RO	JL15SKSCCP2-RO	L	Red actuator/Red LED	18.00	16.34	14.85	13.86
633-JL15SKSDDP2RO	JL15SKSDDP2RO	L	Amber actuator/Amber LED	19.50	17.70	16.09	15.02
633-SKSFFP2-RO	JL15SKSFFP2-RO	L	Green actuator/Green LED	19.50	17.70	16.09	15.02

DIMENSIONS: In.

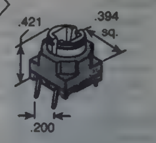
A



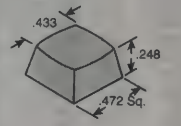
B



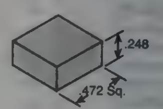
C



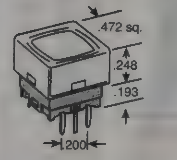
D



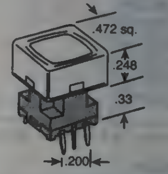
E



F



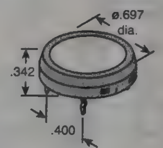
G



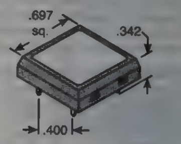
For Figures F and G

LED Specifications	Color Red	Yellow	Green
Forward Peak Current	25mA	25mA	25mA
Continuous Forward Current	20mA	20mA	20mA
Forward Voltage	2.0V	2.2V	2.1V
Reverse Peak Voltage	4V	4V	4V
Current Reduction Rate Above 25°C	0.42mA/°C		
Ambient Temperature Range	-25°~+70°C		

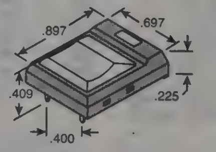
H



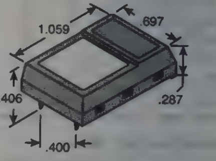
I



J



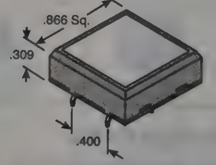
K



For Figures J and K

LED Specifications	Color					
	Spot Illumination			Full Face Illumination		
	Red	Yellow	Green	Red	Yellow	Green
Forward Peak Current	40mA	40mA	40mA	30mA	30mA	30mA
Continuous Current	30mA	30mA	30mA	20mA	20mA	20mA
Forward Voltage	1.7V	2.2V	2.2V	1.77V	2.1V	2.3V
Reverse Peak Voltage	4V	4V	4V	4V	4V	4V
Current Reduction Rate Above 25°C	0.67mA/°C	0.67mA/°C	0.67mA/°C	0.4mA/°C	0.4mA/°C	0.4mA/°C
Ambient Temperature Range	-25°~+70°C			-25°~+70°C		

L



For Figure L

LED Specifications	Color Red	Yellow	Green
Forward Peak Current	75mA	100mA	100mA
Continuous Current	60mA	80mA	80mA
Forward Voltage	4.0V	4.2V	4.2V
Reverse Peak Voltage	8V	8V	8V
Current Reduction Rate Above 25°C	0.98mA/°C	1.31mA/°C	1.31mA/°C
Ambient Temperature Range	-25° ~ +50°C		

ALPS Detector Switches

RoHS Compliant **This page of product is compliant.**

ALPS SMD LOW-PROFILE ONE-WAY DETECTOR SWITCHES

Features:
- Highly reliable double-sided sliding contact
- Tape and reel packaging

Specifications:
- Rating: 1mA @ 5VDC
- Operating life with load: 50,000 cycles

Applications:
- Detection mechanism in video cameras
- Detection mechanism in DVD players

RoHS Compliant

For quantities of 9000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Location Lug	Total Travel Position	ON Start Position	Price Each			
							1	50	100	500
688-SPVP110100	SPVP110100	A	55 gf	Yes	1.77 mm	3.44 mm	1.06	.91	.84	.61
688-SPVP120100	SPVP120100	A	55 gf	No	1.77 mm	3.44 mm	1.06	.91	.84	.61

ALPS SMD LOW-PROFILE TWO-WAY DETECTOR SWITCHES

Features:
- Can be pressed horizontally, vertically or at an angle.
- Ultra thin - only 1mm high
- Tape and reel packaging

Specifications:
- Rating: 1mA @ 5VDC
- Operating life with load: 50,000 cycles
- Total travel position: 1.45mm
- ON starting position, horizontal: 1.95mm

Applications:
- Detection of covers on mobile phones, PDAs
- Detection mechanism in DVD players
- Detection mechanism in portable CD/MD players

RoHS Compliant

✻ ON starting position in vertical direction

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Control Direction	ON Start Position ✻	Location Lug	Price Each			
							1	50	100	500
688-SPVN110101	SPVN110101	B	35 gf	Right	2.65 mm	Yes	1.16	1.00	.91	.66
688-SPVN120101	SPVN120101	B	35 gf	Right	3.46 mm	No	1.16	1.00	.91	.66
688-SPVN210101	SPVN210101	C	35 gf	Left	2.65 mm	Yes	1.16	1.00	.91	.66
688-SPVN220101	SPVN220101	C	35 gf	Left	3.46 mm	No	1.16	1.00	.91	.66

ALPS SMD COMPACT TWO-WAY DETECTOR SWITCHES

Features:
- Can be pressed from 2 directions - horizontally and vertically.
- Tape and reel packaging

Specifications:
- Rating: 1mA @ 5VDC
- Operating life with load: 50,000 cycles
- Total travel position: 1.5mm

Applications:
- Detection of covers on mobile phones, PDAs
- Detection mechanism in DVD players

RoHS Compliant

For quantities of 4500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Housing	ON Start Position	Location Lug	Price Each			
							1	50	100	500
688-SPVM110100	SPVM110100	D	40 gf	w/o terminal	2.20 mm	Yes	.86	.74	.68	.49
688-SPVM110200	SPVM110200	D	40 gf	w/ terminal	2.20 mm	No	.86	.74	.68	.49

ALPS SMD TWO-WAY DETECTOR SWITCHES

Features:
- Can be pressed horizontally, vertically or at an angle
- Tape and reel packaging

Specifications:
- Rating: 50mA @ 20VDC
- Operating life with load: 100,000 cycles
- Location Lug

Applications:
- Detection of lids on laptops, mobile phones, and PDAs
- Detection of position of camera shutters in mobile phones

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Control Direction	ON Start Position	Side Terminal	Price Each			
							1	50	100	500
688-SPVG110301	SPVG110301	E	40 gf	Right	2.96 mm	Yes	.79	.58	.51	.38
688-SPVG120302	SPVG120302	E	40 gf	Right	2.96 mm	No	.79	.58	.51	.38
688-SPVG210302	SPVG210302	F	40 gf	Left	2.96 mm	Yes	.79	.58	.51	.38
688-SPVG220300	SPVG220300	F	40 gf	Left	2.96 mm	No	.79	.58	.51	.38
688-SPVG310300	SPVG310300	E	40 gf	Right	2.45 mm	Yes	.79	.58	.51	.38
688-SPVG320200	SPVG320200	E	40 gf	Right	2.45 mm	No	.79	.58	.51	.38
688-SPVG410300	SPVG410300	F	40 gf	Left	2.45 mm	Yes	.79	.58	.51	.38
688-SPVG420200	SPVG420200	F	40 gf	Left	2.45 mm	No	.79	.58	.51	.38

ALPS SMD LOW-PROFILE TRI-DIRECTIONAL DETECTOR SWITCHES

Features:
- World's smallest detector switch of its type
- Highly reliable double-sided sliding contact
- Tape and reel packaging

Specifications:
- Rating: 1mA @ 5VDC
- Operating life with load: 50,000 cycles

Applications:
- Detection mechanism in PDAs, mobile phones, car audio
- Detection functions in DSCs

RoHS Compliant

For quantities of 7500 and up, call for quote.

MOUSER STOCK NO.	Alps Part Number	Fig.	OF	ON Start Position	Total Travel Position	Location Lug	Price Each			
							1	50	100	500
688-SPVL110100	SPVL110100	G	35 gf	4.25 mm	3.75 mm	Yes	1.28	1.10	1.01	.73
688-SPVL120100	SPVL120100	G	35 gf	4.25 mm	3.75 mm	No	1.28	1.10	1.01	.73

ALPS SMD COMPACT DETECTOR SWITCHES

Features:
- World's smallest detector switch of its type
- Highly reliable double-sided sliding contact
- Tape and reel packaging

Specifications:
- Rating: 100mA @ 12VDC
- SPVE1xxx have location lug, SPVE2xxx do not
- Operating life with load: 50,000 cycles

Applications:
- Detection of batteries in LCDs and DSCs
- Detection of lid position in laptops and mobile phones
- Detection of media in CD/MD players

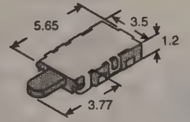
RoHS Compliant

For quantities greater than listed, call for quote.

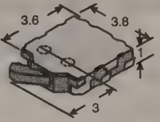
MOUSER STOCK NO.	Alps Part Number	Fig.	OF	Dim. "H"	ON Start Position	Total Travel Position	Price Each			
							1	50	100	500
688-SPVE110600	SPVE110600	H	30 gf	3.80 mm	3.50 mm	2.50 mm	.79	.57	.52	.40
688-SPVE110801	SPVE110801	H	30 gf	4.10 mm	3.80 mm	2.90 mm	.79	.57	.52	.40
688-SPVE110900	SPVE110900	H	30 gf	4.80 mm	4.50 mm	3.60 mm	.79	.57	.52	.40
688-SPVE210100	SPVE210100	I	30 gf	3.30 mm	3.00 mm	2.00 mm	.79	.57	.52	.40
688-SPVE210200	SPVE210200	I	30 gf	4.75 mm	4.45 mm	3.35 mm	.79	.57	.52	.40

DIMENSIONS: mm

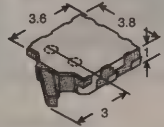
A



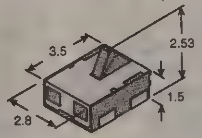
B



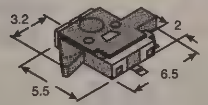
C



D

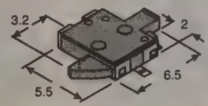


E



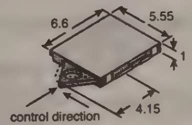
Shown w/side terminal

F

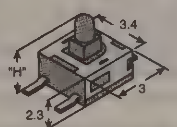


Shown w/side terminal

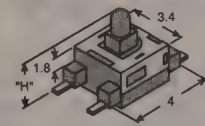
G



H



I



ALPS Detection Switches

RoHS Compliant **This page of product is compliant.**

ALPS ROTARY TYPE DETECTOR SWITCH

RoHS Compliant

Features:
- Switch and hinge in one unit

Specifications:
- ON to 200° min.
- Rating: 1mA @ 5 VDC
- Harness type mounting

Applications:
- Detection of fold opening and closing of LCD panels in laptops and camcorders
- Detection of opening folding cellular phones

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	ON Angle	Circuit Arrangement	Price Each			
					1	25	50	100
688-SREF100100	SREF100100	A	15°+/-3°	SPST	4.25	3.64	3.03	2.73

ALPS COMPACT TWO-WAY DETECTOR SWITCHES

RoHS Compliant

Features:
- Right and left detection
- Double-sided sliding contact

Specifications:
- Rating: 1mA @ 5 VDC
- Operating force: 350 gf

Applications:
- For switching modes and zoom operation of cameras
- Detection mechanism in DVD players, digital camcorders

For quantities of 4500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	ON Start Position	Location Lug	Price Each				Pkg. Qty.	Pkg. Qty. Price Each
					1	50	100	500		
688-SSCM110100	SSCM110100	B	3.58mm	With	1.27	1.09	.91	.82	3000	.56
688-SSCM120100	SSCM120100	B	3.58mm	Without	1.27	1.09	.91	.82	3000	.56

ALPS LOW-PROFILE DETECTOR SWITCHES

RoHS Compliant

Features:
- Circuit: 1 pole 1 position

Specifications:
- Rating: 10mA @ 16VDC
- Operating force: 85gf
- ON/OFF Start Position: 5.4mm

Applications:
- Detection mechanism in car navigation systems and car audio systems

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Total Travel Position	Circuit Arrangement	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
688-SPVC110300	SPVC110300	C	2.0 mm	Push ON	.87	.64	.58	.44	2500	.34
688-SPVC110100	SPVC110100	C	2.0 mm	Push OFF	.87	.64	.58	.44	2500	.34

ALPS COMPACT LONG LIFE DETECTOR SWITCHES

RoHS Compliant

Features:
- SMD types are reflow solderable, on tape and reel

Specifications:
- Rating: 100mA @ 12VDC
- Operating force: 35gf

Applications:
- Detection of insertion of media such as DVDs, CDs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	ON Starting Position	Total Travel Position	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
SMD mount - Vertical Operating Direction										
688-SPPB530601	SPPB530601	D	8.05 mm	6.10 mm	.67	.57	.52	.36	1500	.29
SMD mount - Horizontal Operating Direction										
688-SPPB530701	SPPB530701	E	8.05 mm	6.10 mm	.67	.57	.52	.36	1500	.29
688-SPPB630101	SPPB630101	F	3.70 mm	1.70 mm	.67	.57	.52	.36	1300	.29
688-SPPB640201	SPPB640201	G	3.70 mm	1.70 mm	.67	.57	.52	.36	1300	.29
PCB mount - Vertical Operating Direction										
688-SPPB512300	SPPB512300	H	8.05 mm	6.10 mm	.67	.57	.52	.36	4000	.29
Solder mount - Horizontal Operating Direction										
688-SPPB110300	SPPB110300	I	8.25 mm	6.25 mm	.67	.57	.52	.36	5000	.29
688-SPPB120200	SPPB120200	J	6.55 mm	4.60 mm	.67	.57	.52	.36	5000	.29
688-SPPB310400	SPPB310400	K	8.25 mm	6.25 mm	.67	.57	.52	.36	5000	.29
688-SPPB320100	SPPB320100	L	8.25 mm	6.25 mm	.67	.57	.52	.36	5000	.29

ALPS TWO-WAY DETECTOR SWITCHES

RoHS Compliant

Features:
- Long ON travel
- Detection in both right & left directions

Specifications:
- Rating: 100mA @ 12VDC
- Operating force: 70 gf

Applications:
- Detection of trays in DVD players, CD-ROM drives, photo copiers, etc.

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Mounting Style	Terminal Style	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
688-SSCF110100	SSCF110100	M	PCB	Snap-in	1.05	.77	.70	.53	1250	.41
688-SSCF210100	SSCF210100	N	Screw	Snap-in	1.05	.77	.70	.53	1250	.41
688-SSCF310100	SSCF310100	O	PCB w/ hook	Snap-in	1.05	.77	.70	.53	1800	.41
688-SSCF210300	SSCF210300	P	Screw	Solder/leads	1.05	.77	.70	.53	1250	.41

ALPS TWO-WAY DETECTOR SWITCHES

RoHS Compliant

Features:
- Can be pressed either horizontally or vertically for detection

Specifications:
- Rating: 100mA @ 12VDC
- Operating force: 30.6 gf

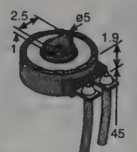
Applications:
- Detection of trays in DVD players, CD-ROM drives, photo copiers, etc.

For quantities of 4000 and up, call for quote.

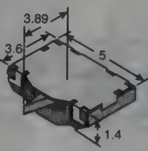
MOUSER STOCK NO.	Alps Part No.	Fig.	ON Starting Position	Total Travel Position	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
688-SPVF110100	SPVF110100	Q	6.30mm	4.70 mm	.61	.45	.41	.31	2000	.24
688-SPVF120100	SPVF120100	R	5.75mm	4.70 mm	.61	.45	.41	.31	2000	.24
688-SPVF130100	SPVF130100	S	2.60mm	5.70 mm	.61	.45	.41	.31	2000	.24
688-SPVF140100	SPVF140100	T	9.95mm	7.80 mm	.61	.45	.41	.31	2000	.24

DIMENSIONS: mm

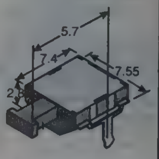
A



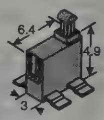
B



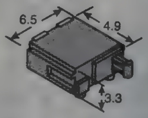
C



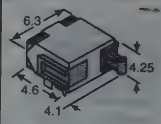
D



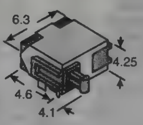
E



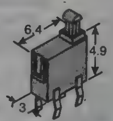
F



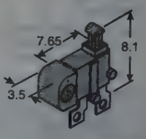
G



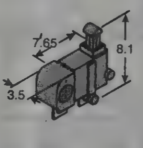
H



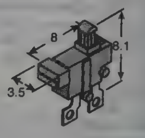
I



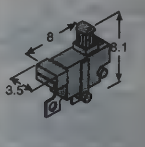
J



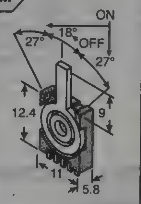
K



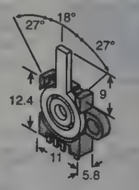
L



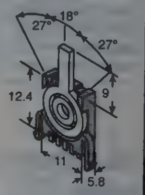
M



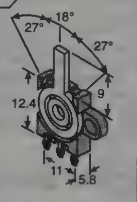
N



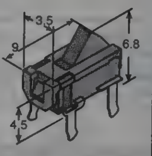
O



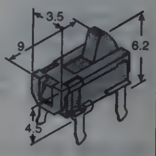
P



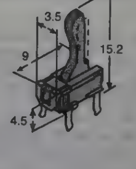
Q



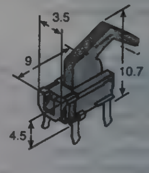
R



S



T



MOUNTAIN SWITCH Detector Switches

Mountain Switch

RoHS Compliant **This page of product is compliant.**

MOUNTAIN SWITCH TE SERIES DETECTOR SWITCHES

RoHS Compliant

Specifications:
- Rating: 5mA/5VDC
- Electrical Life: 50,000 cycles
- Stroke: 2mm
- Operation Temperature:-20°C to +70°C

MOUSER STOCK NO.	Fig.	Dim. A (mm)	Operation Force	Terminal Type	Price Each			
					1	50	100	500
104-TE800-EV	A	8.4	30gf max	Thru-Hole	.71	.60	.55	.50
104-TE912-EV	A	10.7	30gf max	Thru-Hole	.71	.60	.55	.50
104-TE13-EV	B	8.4	30gf max	SMD	.71	.60	.55	.50
104-TE1412-EV	B	10.7	30gf max	SMD	.71	.60	.55	.50

MOUNTAIN SWITCH TEM SERIES SMD DETECTOR SWITCHES

RoHS Compliant

Specifications:
- Rating: 50mA/20VDC
- Electrical Life: 50,000 cycles
- Stroke: 2.15mm max.
- Operation Force: 40gf max.

MOUSER STOCK NO.	Fig.	Control Direction	ON Start Position	Ground Terminal	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
104-TEMR16-EV	C	Right	2.96mm	No	.50	.41	.38	.34	3000	.28
104-TEMRC17-EV	C	Right	2.96mm	Yes	.50	.41	.38	.34	3000	.28
104-TEML18-EV	D	Left	2.96mm	No	.50	.41	.38	.34	3000	.28
104-TEMLC19-EV	D	Left	2.96mm	Yes	.50	.41	.38	.34	3000	.28

MOUNTAIN SWITCH ATE SERIES SMD DETECTOR SWITCHES

RoHS Compliant

Specifications:
- Rating: 1mA/5VDC
- Electrical Life: 100,000 cycles
- Stroke: 3.90mm max. (5.30mm)
- Stroke: 2.60mm max. (3.80mm)
- Operation Force: 40gf max.

MOUSER STOCK NO.	Fig.	With Post	ON Start Position	Pick & Place Cover	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
104-ATE1-EV	E	No	5.0mm	No	.71	.60	.55	.50	900	.44
104-ATE1C-EV	E	Yes	5.0mm	No	.71	.60	.55	.50	900	.44
104-ATE1K-EV	E	No	5.0mm	Yes	.71	.60	.55	.50	900	.44
104-ATE1311-EV	E	Yes	5.0mm	Yes	.71	.60	.55	.50	900	.44
104-ATE2K-EV	F	No	3.5mm	Yes	.71	.60	.55	.50	900	.44
104-ATE2C11-EV	F	Yes	3.5mm	Yes	.71	.60	.55	.50	900	.44

MOUNTAIN SWITCH BTE SERIES SMD DETECTOR SWITCHES

RoHS Compliant

Specifications:
- Rating: 1mA/5VDC
- Electrical Life: 100,000 cycles
- Stroke: 1.03mm max.
- Operation Force: 50gf max.

MOUSER STOCK NO.	Fig.	With Post	ON Start Position	Total Travel	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
104-BTE4-EV	G	No	2.20mm	1.5mm	.66	.55	.48	.44	2600	.36
104-BTEP5-EV	G	Yes	2.20mm	1.5mm	.66	.55	.48	.44	2600	.36

MOUNTAIN SWITCH CTE SERIES SMD DETECTOR SWITCHES

RoHS Compliant

Specifications:
- Rating: 0.1mA~100mA/20V-5VDC
- Electrical Life: 100,000 cycles
- Stroke: 1.05mm max.
- Operation Force: 35gf max.

MOUSER STOCK NO.	Fig.	With Post	ON Start Position	Total Travel	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
104-CTE6-EV	H	No	3.05mm	2.30mm	.85	.71	.64	.59	1800	.48
104-CTEP7-EV	H	Yes	3.05mm	2.30mm	.85	.71	.64	.59	1800	.48

MOUNTAIN SWITCH FTE SERIES SMD DETECTOR SWITCHES

RoHS Compliant

Specifications:
- Rating: 1mA/5VDC
- Electrical Life: 100,000 cycles
- Operation Force: 50gf max.
- Operation Temperature: -10°C to +60°C

MOUSER STOCK NO.	Fig.	With Post	ON Start Position	Circuit	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
104-FTE2C-EV	I	Yes	3.40mm	N.O.	.73	.67	.61	.55	3000	.42
104-FTE3C-EV	I	Yes	3.40mm	N.C.	.73	.67	.61	.55	3000	.42

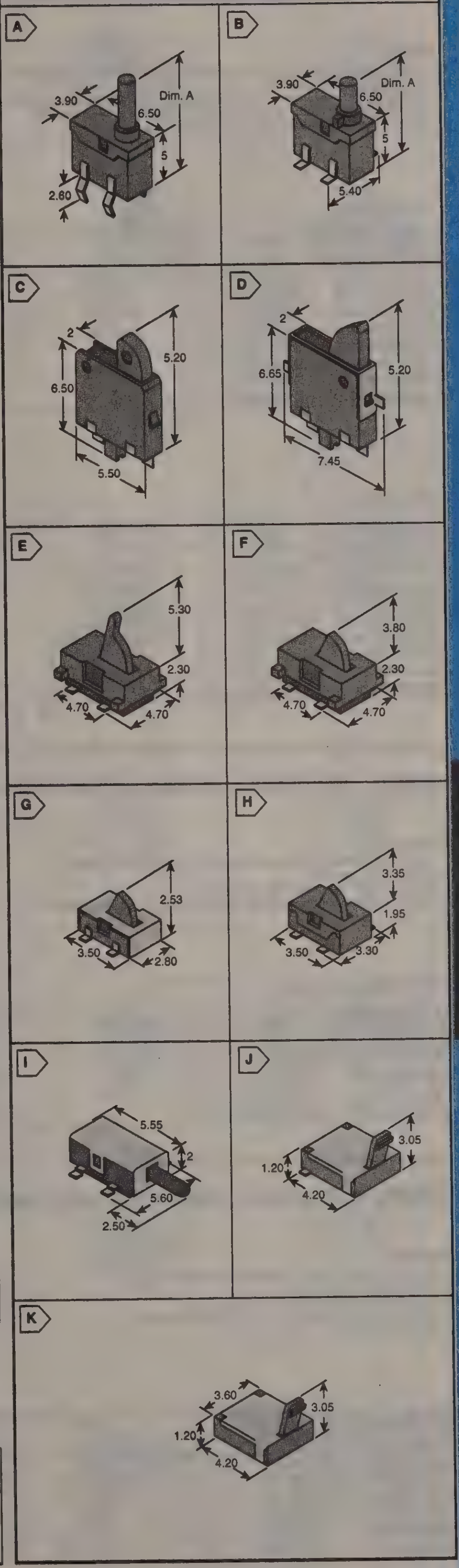
MOUNTAIN SWITCH TU SERIES SMD DETECTOR SWITCHES

RoHS Compliant

Specifications:
- Rating: 1mA/5VDC
- Electrical Life: 50,000 cycles
- Operation Force: 40gf max.
- Operation Temperature: -10°C to +60°C

MOUSER STOCK NO.	Fig.	With Post	ON Start Position	Terminal	Price Each				Reel Qty.	Reel Qty. Price Each
					1	50	100	500		
104-TUF10-EV	J	No	2.65mm	Flat	.93	.77	.70	.64	2300	.51
104-TUCF11-EV	J	Yes	2.65mm	Flat	.93	.77	.70	.64	2300	.51
104-TUL14-EV	K	No	2.65mm	Bending	.93	.77	.70	.64	2300	.51
104-TUCL15-EV	K	Yes	2.65mm	Bending	.93	.77	.70	.64	2300	.51

DIMENSIONS: mm



RoHS Compliant **This page of product is compliant.**

OMRON D3SH SERIES: SURFACE MOUNT DETECTION SWITCHES

Features:

- Ultra small size and ultra low profile contributing to down-sizing of sets devices. (3.0 x 3.4 x 0.9mm) (WxDxH)
- A unique mechanism enables high contact reliability and high precision operation.
- Horizontal 2-way detection and long stroke for easy installation are available.
- Meet a variety of applications by contact and lever variations.

NEW PRODUCT

RoHS Compliant

Short Levers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Direction of Operation	Boss of Positioning	Price Each 1	25	50	100
653-D3SH-A1R	D3SH-A1R	A	SPST-NO	Right	With Boss	.83	.79	.74	.68
653-D3SH-A0R	D3SH-A0R	A	SPST-NO	Right	Without Boss	.83	.79	.74	.68
653-D3SH-A1L	D3SH-A1L	A	SPST-NO	Left	With Boss	.83	.79	.74	.68
653-D3SH-A0L	D3SH-A0L	A	SPST-NO	Left	Without Boss	.83	.79	.74	.68
653-D3SH-B1R	D3SH-B1R	A	SPST-NC	Right	With Boss	.83	.79	.74	.68
653-D3SH-B0R	D3SH-B0R	A	SPST-NC	Right	Without Boss	.83	.79	.74	.68
653-D3SH-B1L	D3SH-B1L	A	SPST-NC	Left	With Boss	.83	.79	.74	.68
653-D3SH-B0L	D3SH-B0L	A	SPST-NC	Left	Without Boss	.83	.79	.74	.68

NEW PRODUCT

RoHS Compliant

Long Levers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Direction of Operation	Boss of Positioning	Price Each 1	25	50	100
653-D3SH-A1R1	D3SH-A1R1	A	SPST-NO	Right	With Boss	.83	.79	.74	.68
653-D3SH-A0R1	D3SH-A0R1	A	SPST-NO	Right	Without Boss	.83	.79	.74	.68
653-D3SH-A1L1	D3SH-A1L1	A	SPST-NO	Left	With Boss	.83	.79	.74	.68
653-D3SH-A0L1	D3SH-A0L1	A	SPST-NO	Left	Without Boss	.83	.79	.74	.68
653-D3SH-B1R1	D3SH-B1R1	A	SPST-NC	Right	With Boss	.83	.79	.74	.68
653-D3SH-B0R1	D3SH-B0R1	A	SPST-NC	Right	Without Boss	.83	.79	.74	.68
653-D3SH-B1L1	D3SH-B1L1	A	SPST-NC	Left	With Boss	.83	.79	.74	.68
653-D3SH-B0L1	D3SH-B0L1	A	SPST-NC	Left	Without Boss	.83	.79	.74	.68

OMRON D3C SERIES: SUBMINIATURE DETECTION SWITCHES

Features:

- Built-in slide mechanism selects shorting or non-shorting switch timing.
- 3 mm (.12 in) long stroke.
- PCB mount switch with 100 milliamp capacity.
- Ideal for household appliances, office equipment, communications equipment, etc.

RoHS Compliant

With Sliding Contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Operating Forces	ON Starting Position	Changeover Timing	Price Each 1	25	50	100
653-D3C-1210	D3C-1210	B	130 gf	3.50 mm	Non-shorting	1.12	1.01	.90	.81
653-D3C-1220	D3C-1220	B	40 gf	3.50 mm	Non-shorting	1.08	1.03	.92	.84
653-D3C-2210	D3C-2210	B	130 gf	2.50 mm	Shorting	1.08	1.03	.92	.84
653-D3C-2220	D3C-2220	B	40 gf	2.50 mm	Shorting	1.08	1.03	.92	.84

OMRON D3D SERIES: MINIATURE DOOR SWITCHES

Features:

- Unique mechanism allows switching of micro loads
- Low operating force of 204 g max.
- Disconnectable crimp connector for easier wiring.
- High contact reliability ensured with gold crossbar contacts.
- Low noise operation.

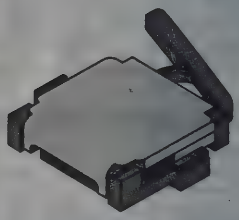
RoHS Compliant

For quantities of 500 and up, call for quote.

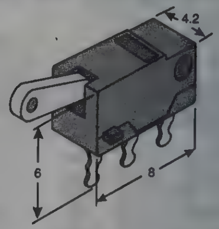
MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Actuator	Price Each 1	25	50	100
653-D3D-111	D3D-111	C	SPDT	Plunger	1.50	1.40	1.32	1.12
653-D3D-121	D3D-121	C	SPST-NC	Plunger	1.31	1.23	1.15	.98
653-D3D-131	D3D-131	C	SPST-NO	Plunger	1.31	1.23	1.15	.98
653-D3D-211	D3D-211	D	SPDT	Lever	1.59	1.49	1.40	1.18
653-D3D-221	D3D-221	D	SPST-NC	Lever	1.40	1.31	1.23	1.04
653-D3D-231	D3D-231	D	SPST-NO	Lever	1.40	1.31	1.23	1.04

DIMENSIONS: mm

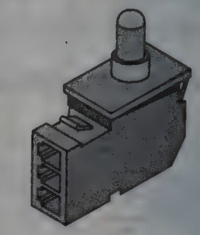
A



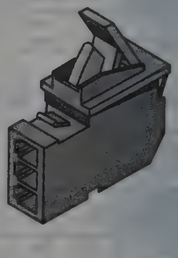
B



C



D



ALPS Directional Switches

ALPS

ALPS 4-DIRECTIONAL SWITCHES WITH CENTER PUSH

- Octagonal shape contributes to smaller mounting space
- Reflow solderable
- Tape and reel packaging
- Rating: 50mA @ 12VDC
- 4-directional/center push travel: 0.25 mm/0.15mm
- Portable audio devices
- Digital cameras and video cameras
- Cellular phones and PDA's

RoHS Compliant

For quantities of 2600 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Oper. Force Dir./Cntr Push	Guide Bosses	Operating Life	Price Each			
						1	50	100	500
688-SKRHAB	SKRHAB	A	1.23N/2.35N	Yes	200,000	4.98	3.86	3.49	2.87
688-SKRHAC	SKRHAC	A	1.2N/2.35N	No	1,000,000	5.38	4.17	3.77	3.10
688-SKRHAD	SKRHAD	A	1.2N/2.35N	Yes	1,000,000	5.38	4.17	3.77	3.10

ALPS 4-DIRECTIONAL SWITCHES WITH CENTER PUSH

- Reflow solderable
- Surface mount type on tape and reel packaging
- Rating: 50mA @ 12VDC
- Tactile feedback
- Operations of various multi-functional electronic equipment

RoHS Compliant

For quantities of greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Oper. Force Dir./Cntr Push	Travel Dir./Cntr Push	Operating Life (cycles)	Price Each			
						1	25	50	100
Snap-in type									
688-SKQUAA	SKQUAA	B	1.57N/---	0.35mm/---	50,000	1.50	1.38	1.26	1.11
688-SKQUCA	SKQUCA	C	1.57N/3.14N	0.4mm/0.2mm	100,000	2.70	2.48	2.27	2.00
Surface mount type									
688-SKQUBA	SKQUBA	D	1.57N/---	0.35mm/---	50,000	1.87	1.72	1.57	1.38
688-SKQUDB	SKQUDB	E	1.57N/3.14N	0.4mm/0.2mm	100,000	3.12	2.87	2.62	2.31

ALPS VERTICAL TYPE LEVER AND PUSH OPERATION SWITCHES

- Compound, vertical switch allows both a semicircular lever control and a push control
- Reflow solderable
- Tape and reel packaging
- Rating: 10mA @ 5VDC
- Lever function operating force: 1N
- Push function operating force: 2.6N
- Operating life: 100,000 cycles
- For selecting menus of PDA's, mobile phones, laptop computers, and electronic organizers
- For selecting menus of remote controllers

RoHS Compliant

For quantities of 2600 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Operating Angle	Mounting Height	Push Oper. Travel	Price Each			
						1	25	50	100
688-SLLQ110100	SLLQ110100	F	15°	4.2 mm	0.4 mm	2.91	2.67	2.44	2.15
688-SLLQ120100	SLLQ120100	G	20°	3.5 mm	0.4 mm	2.91	2.67	2.44	2.15

ALPS HORIZONTAL TYPE SEESAW AND PUSH OPERATION SWITCHES

- Single knob allows CW, CCW, and push operations
- Lever Color: Black except for SLLB120200 and SLLB220200 which are gray.
- Tape and reel packaging
- Rating: 10mA @ 5VDC
- Lever/Push function operating force: 0.65±0.3N/2±1N
- Operating life: 100,000 cycles
- For selecting menus of PDA's, mobile phones, laptop computers, and electronic organizers
- For selecting menus of remote controllers

RoHS Compliant

For quantities of greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Location Lug	Push-On Switch	Push Oper. Travel	Price Each			
						1	25	50	100
688-SLLB120100	SLLB120100	H	Yes	Yes	0.85 mm	2.70	2.48	2.27	2.00
688-SLLB120200	SLLB120200	I	Yes	Yes	0.85 mm	2.70	2.48	2.27	2.00
688-SLLB120300	SLLB120300	I	Yes	Yes	0.85 mm	2.70	2.48	2.27	2.00
688-SLLB220100	SLLB220100	H	Yes	No	0.85 mm	2.70	2.48	2.27	2.00
688-SLLB220200	SLLB220200	I	Yes	No	0.85 mm	2.49	2.29	2.10	1.85
688-SLLB510100	SLLB510100	J	Yes	No	0.7 mm	2.88	2.65	2.42	2.13
688-SLLB510200	SLLB510200	J	No	No	0.7 mm	2.88	2.65	2.42	2.13

ALPS STICK CONTROLLERS

- Ideal for fingertip operation
- Compact design
- Lever return mechanism
- Resistance taper: 0B
- Total resistance: 10KW
- Operating force: 5.2±2.6N
- Travel: 0.5mm
- Game and remote controllers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Center Push	Potentiometer Rating	Center Push Rating	Price Each				
						1	25	50	100	200
688-RKJXK122000D	RKJXK122000D	K	No	0.0125W	50mA @ 12VDC	6.68	6.14	5.61	4.94	4.67
688-RKJXK122400Y	RKJXK122400Y	L	Yes	0.0125W	50mA @ 12VDC	7.13	6.56	5.99	5.27	4.99

ALPS MOTORIZED STICK CONTROLLERS

- Ideal for fingertip operation
- Lever can be moved and set up to the required position with the motor drive system
- Small DC motor with slowdown gear system integrated
- Motor voltage: 4.5VDC
- Operating life: X-X and Y-Y 50,000 cycles each
- Touch sense track
- Surround panning for studio mixer

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Touch Sense	Total Resistance	Resistance Taper	Price Each			
						1	2	5	10
688-RKJXF1210000	RKJXF1210000	M	Yes	5K Ω	B	174.00	168.20	156.60	145.00

ALPS 8-DIRECTIONAL SWITCH WITH CENTER PUSH

- Compact, low profile
- Uniform operating force in any direction
- Rating: 10mA @ 5VDC
- Operating life: RKJXL=100,000 cycles; RKJXS=500,000 cycles
- Controlling cursors in car navigation systems
- Control of office and AV equipment

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Operating Force		Operating Angle (Lever)	Travel (Push)	Price Each				
			Direction	Center Push			1	25	50	100	200
688-RKJXL100401V	RKJXL100401V	N	10±7mN·m	4.5±1N	12±3°	0.2mm	5.34	4.92	4.49	3.95	3.74
688-RKJXS	RKJXS100401	O	0.8±0.5N	2.5±1.5N	7°	0.3mm	4.24	3.91	3.57	3.14	2.97

ALPS 8-DIRECTIONAL SWITCH AND ENCODER WITH CENTER PUSH

- 20mm biaxial unit w/ encoder (outer axis) and stick switch (inner axis)
- Stick switch with tactile feel in every direction
- Clicking mechanism of encoder for smooth rotational motion
- Rating: 10mA @ 5VDC
- Operating life (Switch/Encoder): 100,000 cycles/15,000 cycles
- Switch operating angle: "+" direction - 10° max.; "x" direction - 12° max
- Encoder resolution: 15 pulses, 15 detents
- Control sound, cursors,and switching modes in car audio and navigation systems
- Level controlling applications

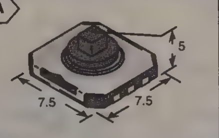
RoHS Compliant

For quantities of 500 and up, call for quote.

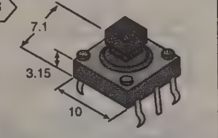
MOUSER STOCK NO.	Alps Part No.	Fig.	Switch Operating Force		Detent Torque (Encoder)	Price Each				
			"x" Direction	"+" Direction		1	25	50	100	200
688-RKJXM2E12001	RKJXM2E12001	P	30±20mN·m	25±20mN·m	12±8mN·m	6.38	5.87	5.36	4.72	4.46

DIMENSIONS: mm

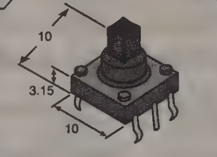
A



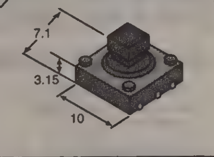
B



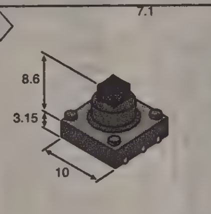
C



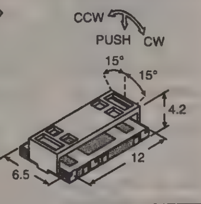
D



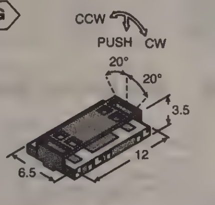
E



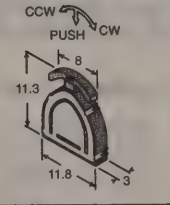
F



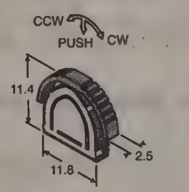
G



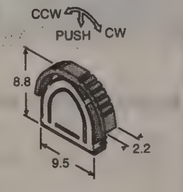
H



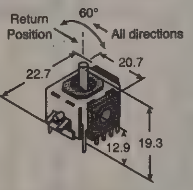
I



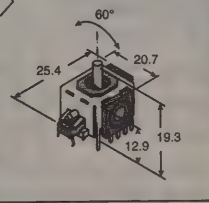
J



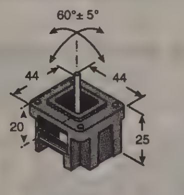
K



L

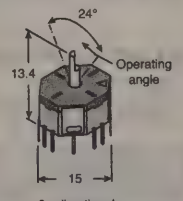


M



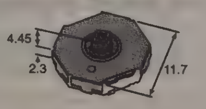
Motorized

N

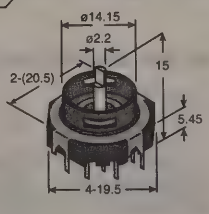


8 - directional

O



P



ALPS Encoders

ALPS EC10E SERIES: 10MM HOLLOW SHAFT ENCODERS

- Rating: 0.5mA @ 5 VDC
- Operating life: 100,000 cycles
- Incremental type
- Applications include controls for PC input devices (e.g., mouse), AV devices, and communication devices

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions "H"	Detent Torque	Res.	No. of Detents	Price Each 1	25	50	100
688-EC10E1220505	EC10E1220505	A	7mm	5+/-3mN•m	12	24	1.12	.96	.80	.72
688-EC10E1220501	EC10E1220501	A	9mm	5+/-3mN•m	12	24	1.12	.96	.80	.72

ALPS EC11 SERIES: 11MM METAL SHAFT ENCODERS

- Rating: 10mA @ 5 VDC
- Operating life: 15,000 cycles
- Incremental type
- High precision
- Applications include controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Switch Travel	Res.	No. of Detents	Price Each 1	25	50	100
688-EC11B15203AD	EC11B15203AD	B	Without	- - -	15	30	4.36	3.74	3.24	2.81
688-EC11B20203A3	EC11B20203A3	B	Without	- - -	20	20	4.36	3.74	3.24	2.81
688-EC11B15202AA	EC11B15202AA	C	Without	- - -	15	30	4.36	3.74	3.24	2.81
688-EC11E1530401	EC11E1530401	D	Without	- - -	15	0	4.25	3.64	3.16	2.73
688-EC11E1820402	EC11E1820402	D	Without	- - -	18	36	4.36	3.74	3.24	2.81
688-EC11B15243BD	EC11B15243BD	E	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11B2024305	EC11B2024305	E	With	1.5mm	20	20	5.61	4.81	4.17	3.61
688-EC11B15242AF	EC11B15242AF	F	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11E15244B2	EC11E15244B2	D	With	1.5mm	15	30	5.61	4.81	4.17	3.61
688-EC11E18244A5	EC11E18244A5	D	With	1.5mm	18	36	5.61	4.81	4.17	3.61
688-EC11E09244AW	EC11E09244AW	D	With	0.5mm	18	9	5.61	4.81	4.17	3.61
688-EC11E09244AQ	EC11E09244AQ	D	With	1.5mm	18	9	5.61	4.81	4.17	3.61

ALPS EM11B SERIES: 11MM METAL SHAFT MAGNETIC ENCODERS

- Output V_{H}: +4.0 V min.
- Output V_{LOW}: 0.5V max.
- Output I_{SINK}: 5mA
- Operating life: 1,000,000 cycles
- Rating: 5VDC +/- 5%
- Response time: 1.3msec (typical)
- Compact, non-contact type encoder
- Applications include car audio and navigation systems and controls for audio mixers and broadcasting devices

This product uses a Hall IC. Be aware of ESD damages.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Switch OF	Res.	No. of Detents	Price Each 1	25	50	100
688-EM11B16140A4	EM11B16140A4	G	With	5+/-3N	16	16	33.25	28.50	23.75	21.38

ALPS EC12E SERIES: 12MM INSULATED SHAFT ENCODERS

- Rating: 0.1A @ 12VDC
- Operating Life: 30,000 cycles
- Incremental type
- High precision
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Dimensions L (l1) mm	Push-On Switch	Res.	No. of Detents	Price Each 1	25	50	100
688-EC12E24204A8	EC12E24204A8	H	15 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E24204A9	EC12E24204A9	H	25 (12)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E24204A2	EC12E24204A2	H	10 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E1220405	EC12E1220405	H	25 (12)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E1220406	EC12E1220406	H	20 (7)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E1220407	EC12E1220407	H	15 (7)	Without	12	12	1.47	1.26	1.09	.95
688-EC12E2420802	EC12E2420802	I	20 (7)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E2420801	EC12E2420801	I	25 (12)	Without	24	24	1.47	1.26	1.09	.95
688-EC12E2424407	EC12E2424407	J	20 (7)	With	24	24	2.66	2.28	1.90	1.71
688-EC12E2424404	EC12E2424404	J	25 (12)	With	24	24	2.66	2.28	1.90	1.71

ALPS SRGP HOLLOW SHAFT ENCODERS

- Rating: 10mA @ 5 VDC
- Output voltage: 1V max @ 1mA 5VDC
- Operating life: 50,000 cycles
- Applications include automotive navigation systems, audio systems, LCD monitors, general electronic devices

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rotational Torque	Output Code	Holder	No. of Detents	Price Each 1	25	50	100
688-SRGP200200	SRGP200200	K	7+/-3mN•m	10	——	20	4.36	3.74	3.12	2.80
688-SRGPWJ0500	SRGPWJ0500	L	13+/-4mN•m	16	——	16	4.36	3.74	3.12	2.80
688-SRGPWJ0200	SRGPWJ0200	L	6.5+/-4mN•m	16	——	32	4.36	3.74	3.12	2.80

ALPS SRGP30 HOLLOW SHAFT SURFACE MOUNT ENCODER

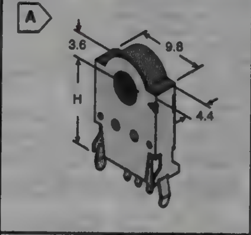
- Tact switch in the hollow
- Rating: 10mA @ 5 VDC
- Output voltage: 1V max @ 1mA 5VDC
- Operating life: 50,000 cycles
- Applications include operation of mobile phones, switching modes for automotive audio systems, operation of cameras, headphones, etc.

For quantities of 200 and up, call for quote.

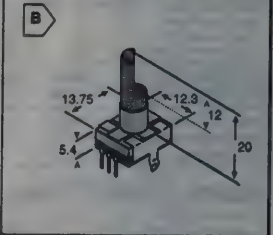
MOUSER STOCK NO.	Alps Part No.	Fig.	Rotational Torque	Res.	No. of Detents	Price Each 1	25	50	100
688-SRGP300100	SRGP300100	M	5+/-2.5mN•m	9	18	4.36	3.74	3.12	2.80

DIMENSIONS: mm

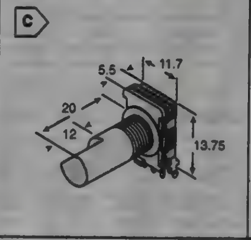
A



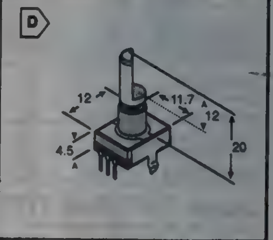
B



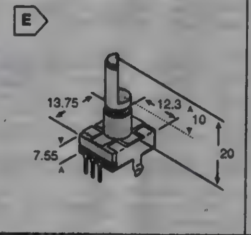
C



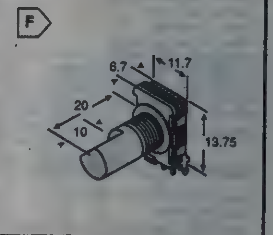
D



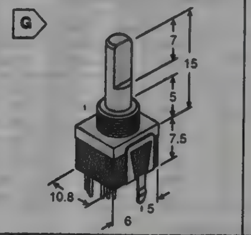
E



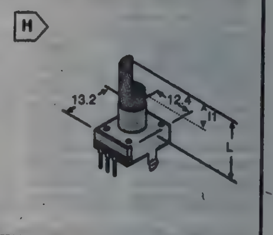
F



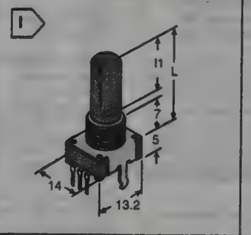
G



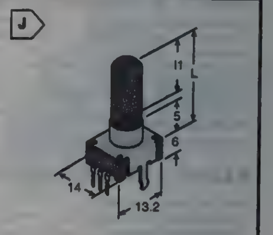
H



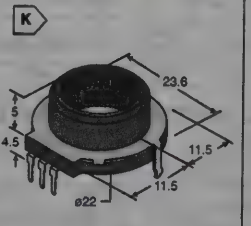
I



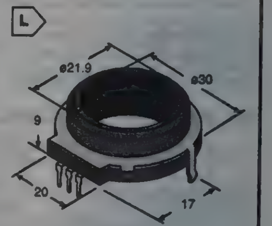
J



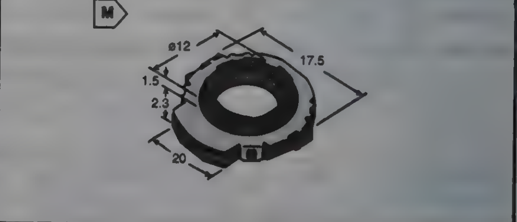
K



L



M



RoHS Compliant This page of product is compliant.

ALPS 8-DIRECTIONAL SWITCH AND ENCODER WITH CENTER PUSH

- Single shaft has 8 directional switch, push center, and encoder operations (15 pulses, 30 clicks)
- Extremely low profile
- User-friendly 8-directional switch
- Rating: 10mA @ 5VDC
- Operating life (Switch/Encoder): 50,000 cycles/15,000 cycles
- Switch operating angle: 12° max.
- Control sound, cursors, and switching modes in car audio and navigation systems
- Input controls for home electronics

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Switch OF	Detent Torque Encoder	Encoder No. of		Price Each			
					Detents	Pulses	1	25	50	100
688-RKJXT1E12001	RKJXT1E12001	A	40±25 mN•m	15±8 mN•m	30	15	8.83	8.12	7.41	6.53

ALPS RK097 SERIES: 9MM METAL SHAFT ENCODERS

- Rating: 10mA @ 12 VDC
- Rotational life: 30,000 cycles
- Incremental type
- Detent torque: 10+/-8mN•m
- Applications include controls for AV devices, level controls for communication devices

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Travel of Push-On Switch	Res.	No. of Detents	Price Each			
							1	25	50	100
688-RK09710ELC09	RK09710ELC09	B	With	0.5mm	9	18	6.48	5.55	4.63	4.16
688-RK09710ELC07	RK09710ELC07	B	With	0.5mm	15	30	6.48	5.55	4.63	4.16
688-RK09710ELC0B	RK09710ELC0B	C	With	1.5mm	15	30	6.69	5.73	4.78	4.30

ALPS EC05E SERIES: 5MM SMD HOLLOW SHAFT ENCODERS

- Rating: 0.5mA @ 5VDC
- Operating Life: 100,000 cycles
- Tape and reel packaging
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Rating	Detent Torque	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC05E1220201	EC05E1220201	D	0.5mA @ 5VDC	1.6±1.3 mN•m	12	12	3.23	2.77	2.40	2.08
688-EC05E1220202	EC05E1220202	E	0.5mA @ 5VDC	1.6±1.3 mN•m	12	12	3.23	2.77	2.40	2.08
688-EC05E1220203	EC05E1220203	F	0.5mA @ 5VDC	1.6±1.3 mN•m	12	12	3.23	2.77	2.40	2.08
688-EC05E1220401	EC05E1220401	G	0.5mA @ 5VDC	1.6±1.3 mN•m	12	12	3.23	2.77	2.40	2.08

ALPS EC09E SERIES: 9MM METAL SHAFT ENCODERS

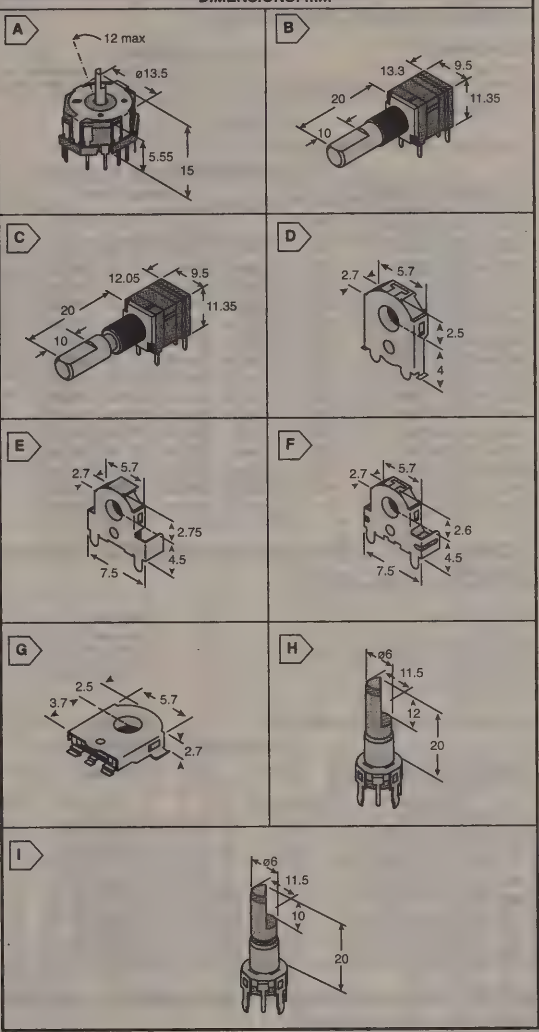
- Rating: 10mA @ 5VDC
- Operating Life: 15,000 cycles
- Incremental type
- Detent torque: 8±5mN-m
- Applications include level controls for MDs and CDs, controls for TVs and monitors, etc.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Push-On Switch	Travel of Push-On Switch	Res.	No. of Detents	Price Each			
							1	25	50	100
688-EC09E1520402	EC09E1520402	H	Without	—	15	30	5.04	4.32	3.60	3.24
688-EC09E1524404	EC09E1524404	I	With	1.5mm	15	30	6.06	5.19	4.33	3.89
688-EC09E1524405	EC09E1524405	I	With	0.5mm	15	30	5.81	4.98	4.15	3.74

DIMENSIONS: mm



A
12 max
ø13.5
5.55
15
B
13.3
9.5
20
11.35
10
C
12.05
9.5
20
11.35
10
D
2.7
5.7
2.5
4
E
2.7
5.7
2.75
4.5
7.5
F
2.7
5.7
2.6
4.5
7.5
G
2.5
3.7
5.7
2.7
H
ø6
11.5
12
20
I
ø6
11.5
10
20

ROTARY ENCODERS

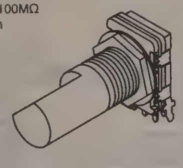
ALPHA

Push-on Switch Specifications:

- Switch Type: Single pole and single throw (Push On)
- Travel: 0.5 ± 0.3
- Operating force: 600 ± 300gf
- Contact resistance: 3A / 16VDC 100MΩ
- Operating life: 25,000 cycles min

Mechanical Specifications:

- Rotational life: 15,000 cycles (C.W.)
- Case Size: RE111F - 11mm.
  RE160F - 16mm.



Electrical Specifications	RE111F	RE160F
Rating	1.0mA / 10VDC	0.5mA / 5VDC
Max. operating current	1.0mA	0.5mA
Insulation	300VDC	50VDC
Resistance	100MΩ min.	10MΩ min.
Voltage	300VAC	50VAC
Resolution	20/360°	24/360°

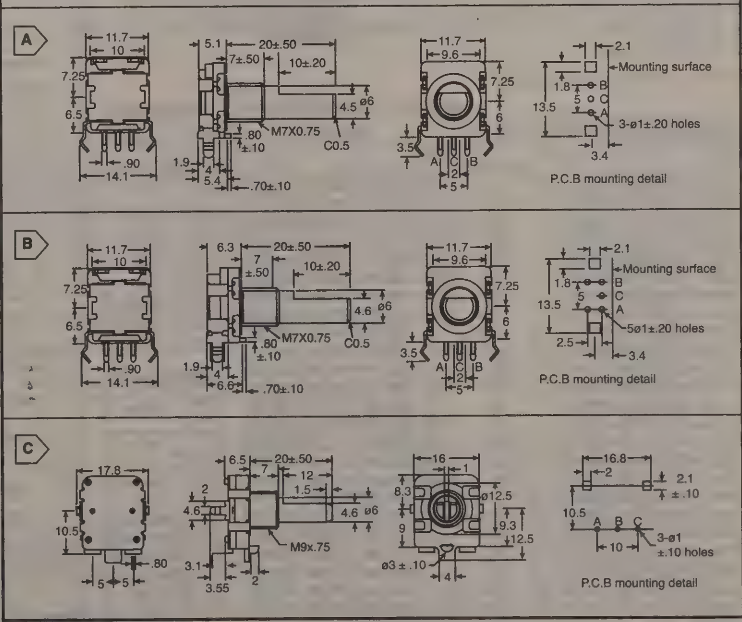
RoHS Compliant

Knobs are found in the knob pages of the Electromechanical section.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Switch	Price Each			
				1	10	25	100
318-ENC111F-20P	RE111F-20B3-20F-20P	A	N	2.77	2.31	2.10	2.01
318-ENC111F-20PS	RE111F-21B3-20F-20P	B	Y	5.34	4.40	3.84	2.85
318-ENC160F-24P	RE160F-40E3-20A-24P	C	N	2.72	2.13	1.94	1.76

DIMENSIONS: mm



A
11.7
10
7.25
6.5
.90
14.1
5.1
20±.50
7±.50
10±.20
4.5
ø6
.80
±.10
M7X0.75
C0.5
1.9
4
5.4
.70±.10
11.7
9.6
7.25
6
3.5
A C B
2
5
2.1
Mounting surface
1.8
B
13.5
5
C
A
3-ø1±.20 holes
3.4
P.C.B mounting detail
B
11.7
10
7.25
6.5
.90
14.1
6.3
20±.50
7
±.50
10±.20
4.6
ø6
M7X0.75
C0.5
.80
±.10
1.9
4
6.6
.70±.10
11.7
9.6
7.25
6
3.5
A C B
2
5
2.1
Mounting surface
1.8
B
13.5
5
C
A
5ø1±.20 holes
2.5
3.4
P.C.B mounting detail
C
17.8
10.5
5
5
.80
6.5
20±.50
7
12
2
1.5
4.6
4.6
ø6
M9x.75
3.1
3.55
2
16
1
8.3
ø12.5
9
9.3
12.5
ø3 ±.10
4
16.8
2
2.1
±.10
10.5
A B C
10
3-ø1
±.10 holes
P.C.B mounting detail

BEI DUNCAN Optical Encoders

MODEL EX11 MINIATURE INCREMENTAL ROTARY OPTICAL SHAFT ENCODERS

Specifications:
- Weight: 2.0 oz. (Approx.)
- Supply Voltage: +5 volts ±5% @ 80mA max.
- Operating Temperature: -10°C to +70°C
- 1.1" Diameter

Features:
- Glass filled polycarbonate housing
- 1/8" Stainless steel shaft and precision bearings
- Line counts up to 1024 PPR

* Mates with FCI-Berg Header Pin 65863-165

For quantities 25 and up, call for quote.

MOUSER STOCK NO.		Pulses Per Revolution	Mounting	Price Each		
Mfr.	Mfr. Part No.			1	5	10
682—	EX113-256-1	256	Servo	204.75	172.90	159.25
682—	EX113-500-1	500	Servo	204.75	172.90	159.25
682—	EX113-512-1	512	Servo	204.75	172.90	159.25
682—	EX113-1000-1	1000	Servo	204.75	172.90	159.25
682—	EX113-1024-1	1024	Servo	204.75	172.90	159.25
682—	EX113-256-2	256	Flange	204.75	172.90	159.25
682—	EX113-500-2	500	Flange	204.75	172.90	159.25
682—	EX113-512-2	512	Flange	204.75	172.90	159.25
682—	EX113-1000-2	1000	Flange	204.75	172.90	159.25
682—	EX113-1024-2	1024	Flange	204.75	172.90	159.25
682—	EX116-256-1	256	Servo	212.63	179.55	165.38
682—	EX116-500-1	500	Servo	212.63	179.55	165.38
682—	EX116-512-1	512	Servo	212.63	179.55	165.38
682—	EX116-1000-1	1000	Servo	209.25	176.70	162.75
682—	EX116-1024-1	1024	Servo	209.25	176.70	162.75

Pinout

Pin No.	Color	Signal
1	Brown	N/C
2	Red	+5V
3	Orange	$\overline{B}$
4	Yellow	B
5	Green	$\overline{\text{Index}}$
6	Blue	Index
7	Violet	$\overline{A}$
8	Gray	A
9	White	N/C
10	Black	Ground

MODEL MX15 MODULAR INCREMENTAL ROTARY OPTICAL ENCODERS

Specifications:
- Weight: 2.0 oz. (Approx.)
- Supply Voltage: +5 volts ±5% @ 80mA max.
- Operating Temperature: -10°C to +70°C
- 1.54" Diameter
- Index Option: Ungated

Features:
- Unsealed housing unit must be protected from harsh environments
- Resolutions to 1024 PPR
- Increased MTBF

*Mates with FCI-Berg Header Pin 65863-165

For quantities 25 and up, call for quote.

MOUSER STOCK NO.		Pulses Per Revolution	Bore Size	Price Each		
Mfr.	Mfr. Part No.			1	5	10
682—	MX153-25-500-U-T	500	.25"	213.75	180.50	166.25
682—	MX153-25-512-U-T	512	.25"	213.75	180.50	166.25
682—	MX153-25-1000-U-T	1000	.25"	213.75	180.50	166.25
682—	MX153-25-1024-U-T	1024	.25"	213.75	180.50	166.25
682—	MX153-38-500-U-T	500	.375"	213.75	180.50	166.25
682—	MX153-38-512-U-T	512	.375"	213.75	180.50	166.25
682—	MX153-38-1000-U-T	1000	.375"	213.75	180.50	166.25
682—	MX153-38-1024-U-T	1024	.375"	213.75	180.50	166.25

Pinout

Pin No.	Signal
1	N/C
2	Index
3	N/C
4	+5V
5	Data B
6	Data A
7	Ground

MODEL MX21 MODULAR INCREMENTAL ROTARY OPTICAL ENCODERS

Specifications:
- Weight: 2.1 oz. (Approx.)
- Supply Voltage: +5 volts ±5% @ 80mA max.
- Operating Temperature: -10°C to +70°C
- 2.125" Diameter
- Index Option: Ungated

Features:
- Unsealed housing unit must be protected from harsh environments
- Resolutions to 1024 PPR
- Increased MTBF

* Mates with FCI-Berg Header Pin 65863-165

For quantities 25 and up, call for quote.

MOUSER STOCK NO.		Pulses Per Revolution	Bore Size	Price Each		
Mfr.	Mfr. Part No.			1	5	10
682—	MX213-25-500-U	500	.25"	195.75	165.30	152.25
682—	MX213-25-512-U	512	.25"	195.75	165.30	152.25
682—	MX213-25-1000-U	1000	.25"	195.75	165.30	152.25
682—	MX213-25-1024-U	1024	.25"	195.75	165.30	152.25
682—	MX213-38-500-U	500	.375"	195.75	165.30	152.25
682—	MX213-38-512-U	512	.375"	195.75	165.30	152.25
682—	MX213-38-1000-U	1000	.375"	195.75	165.30	152.25
682—	MX213-38-1024-U	1024	.375"	195.75	165.30	152.25
682—	MX213-50-500-U	500	.5"	195.75	165.30	152.25
682—	MX213-50-512-U	512	.5"	195.75	165.30	152.25
682—	MX213-50-1000-U	1000	.5"	195.75	165.30	152.25
682—	MX213-50-1024-U	1024	.5"	195.75	165.30	152.25
682—	MX216-25-500-U	500	.25"	202.50	171.00	157.50
682—	MX216-25-512-U	512	.25"	202.50	171.00	157.50
682—	MX216-25-1000-U	1000	.25"	202.50	171.00	157.50
682—	MX216-25-1024-U	1024	.25"	202.50	171.00	157.50
682—	MX216-38-500-U	500	.375"	202.50	171.00	157.50
682—	MX216-38-512-U	512	.375"	202.50	171.00	157.50
682—	MX216-38-1000-U	1000	.375"	202.50	171.00	157.50
682—	MX216-38-1024-U	1024	.375"	202.50	171.00	157.50
682—	MX216-50-500-U	500	.5"	202.50	171.00	157.50
682—	MX216-50-512-U	512	.5"	202.50	171.00	157.50
682—	MX216-50-1000-U	1000	.5"	202.50	171.00	157.50
682—	MX216-50-1024-U	1024	.5"	202.50	171.00	157.50

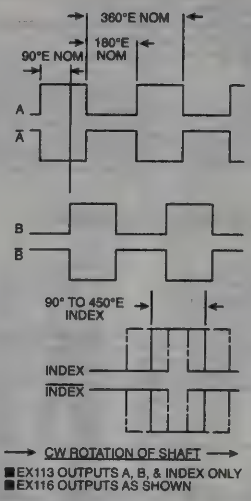
MX213 Pinout

Pin No.	Signal
1	Channel A
2	+5V
3	Ground
4	N/C
5	N/C
6	N/C
7	N/C
8	Channel B
9	N/C
10	Index

MX216 Pinout

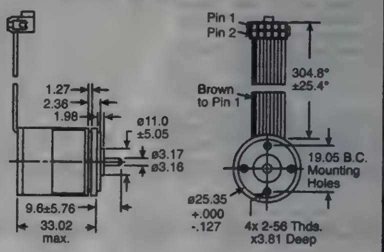
Pin No.	Signal
1	N/C
2	+5V
3	Ground
4	N/C
5	Channel $\overline{A}$
6	Channel A
7	Channel $\overline{B}$
8	Channel B
9	$\overline{\text{Index}}$
10	Index

DIMENSIONS: mm

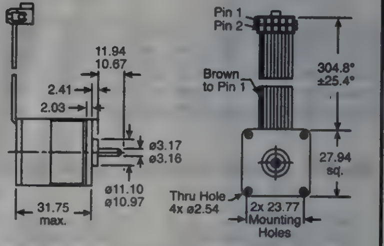

360°E NOM
180°E NOM
90°E NOM
A
$\overline{A}$
B
$\overline{B}$
90° TO 450°E INDEX
INDEX
$\overline{\text{INDEX}}$
CW ROTATION OF SHAFT

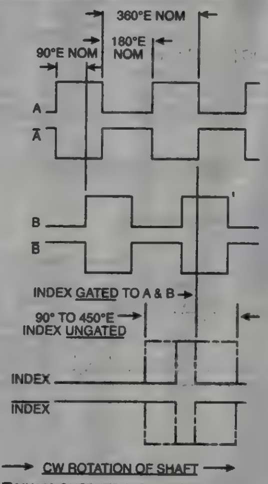
■ EX113 OUTPUTS A, B, & INDEX ONLY
■ EX116 OUTPUTS AS SHOWN

Model EX11-Servo Mount


Pin 1
Pin 2
304.8°
±25.4°
Brown to Pin 1
1.27
2.36
1.98
ø11.0
±5.05
ø3.17
ø3.16
19.05 B.C. Mounting Holes
ø25.35
+.000
-.127
9.6±5.76
33.02 max.
4x 2-56 Thds. x3.81 Deep

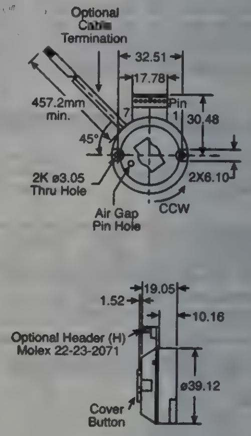
Model EX11-Flange Mount

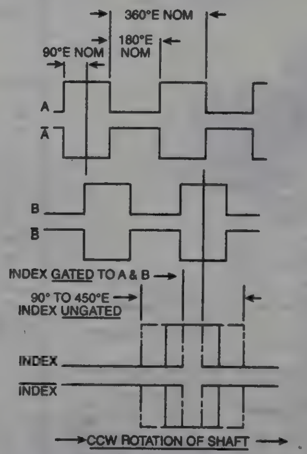

Pin 1
Pin 2
11.94
10.67
Brown to Pin 1
304.8°
±25.4°
2.41
2.03
ø3.17
ø3.16
27.94 sq.
ø11.10
ø10.97
31.75 max.
Thru Hole 4x ø2.54
2x 23.77 Mounting Holes


360°E NOM
180°E NOM
90°E NOM
A
$\overline{A}$
B
$\overline{B}$
INDEX GATED TO A & B
90° TO 450°E INDEX UNGATED
INDEX
$\overline{\text{INDEX}}$
CW ROTATION OF SHAFT

■ MX153 OUTPUTS A, B, & INDEX ONLY

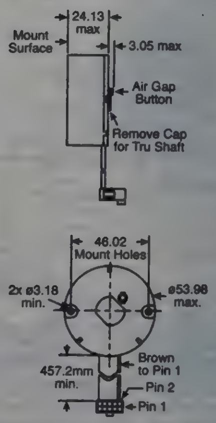
Model MX15


Optional Cable Termination
32.51
17.78
Pin 1
7
457.2mm min.
30.48
45°
2K ø3.05 Thru Hole
2X6.10
Air Gap Pin Hole
CCW
19.05
1.52
10.16
Optional Header (H) Molex 22-23-2071
ø39.12
Cover Button

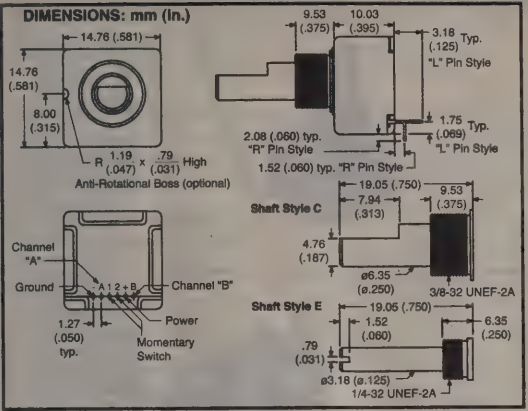

360°E NOM
180°E NOM
90°E NOM
A
$\overline{A}$
B
$\overline{B}$
INDEX GATED TO A & B
90° TO 450°E INDEX UNGATED
INDEX
$\overline{\text{INDEX}}$
CCW ROTATION OF SHAFT

■ MX213 OUTPUTS A, B, & INDEX ONLY
■ MX216 OUTPUTS AS SHOWN

Model MX21


Mount Surface
24.13 max
3.05 max
Air Gap Button
Remove Cap for Tru Shaft
46.02 Mount Holes
2x ø3.18 min.
ø53.98 max.
457.2mm min.
Brown to Pin 1
Pin 2
Pin 1

14MM ROTARY OPTICAL ENCODER WITH SWITCH


DIMENSIONS: mm (in.)
14.76 (.581)
14.76 (.581)
8.00 (.315)
R 1.19 (.047) x .79 (.031) High
Anti-Rotational Boss (optional)
9.53 (.375)
10.03 (.395)
3.18 (.125) Typ.
"L" Pin Style
1.75 (.069) Typ.
"L" Pin Style
2.08 (.060) typ.
"R" Pin Style
1.52 (.060) typ. "R" Pin Style
Channel "A"
Ground
- A 1 2 + B
Channel "B"
Power
1.27 (.050) typ.
Momentary Switch
Shaft Style C
19.05 (.750)
7.94 (.313)
9.53 (.375)
4.76 (.187)
ø6.35 (ø.250)
3/8-32 UNEF-2A
Shaft Style E
19.05 (.750)
1.52 (.060)
6.35 (.250)
.79 (.031)
ø3.18 (ø.125)
1/4-32 UNEF-2A

RoHS Compliant

Features:

- Lead free
- HCMOS, CMOS and TTL compatible
- Compact package size
- High rotational cycle life
- Optional "soft touch" push switch
- Optional detent
- Splashproof shaft seal
- Recommended for human/machine interface applications (HMI)

Electrical Characteristics:

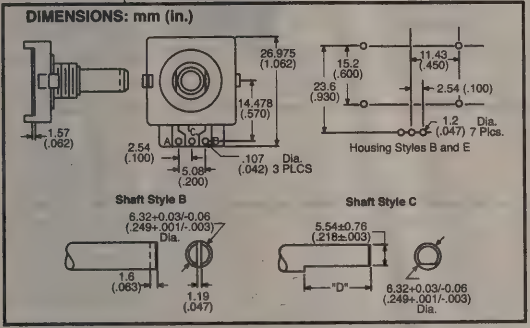
- Electrical output: 2-bit quadrature code
- Resolution: 8 - 64 pulses per revolution (PPR)
- Operating Temperature Range: -40°C to +70°C

Mechanical Characteristics:

- Rotational life:
  Non-detent (@100RPM), 1,000,000 cycles
  With detent (@30RPM), 100,000 cycles

MOUSER STOCK NO.	Bourns Part No.	Shaft Type	Pulses /Rev.	Switch	Price Each					
					1	5	10	25	50	100
652-EM14A0D-C24-L08N	EM14A0D-C24-L008N	C	8	no	25.58	23.27	21.48	19.89	16.28	13.77
652-EM14A0D-C24-L32N	EM14A0D-C24-L032N	C	32	no	25.58	23.27	21.48	19.89	16.28	13.77
652-EM14A0D-C24-L64N	EM14A0D-C24-L064N	C	64	no	25.58	23.27	21.48	19.89	16.28	13.77
652-EM14C0D-E24-L16S	EM14C0D-E24-L016S	E	16	yes	27.29	24.83	22.91	21.23	17.37	14.70
652-EM14C0D-E24-L32S	EM14C0D-E24-L032S	E	32	yes	27.29	24.83	22.91	21.23	17.37	14.70
652-EM14C0D-E24-L64S	EM14C0D-E24-L064S	E	64	yes	27.29	24.83	22.91	21.23	17.37	14.70

EC SERIES "SLIMLINE" 22MM DIGITAL ENCODER


DIMENSIONS: mm (in.)
26.975 (1.062)
14.478 (.570)
1.57 (.062)
A C B
2.54 (.100)
5.08 (.200)
.107 (.042) Dia. 3 PLCS
15.2 (.600)
23.6 (.930)
11.43 (.450)
2.54 (.100)
1.2 (.047) Dia. 7 Plcs.
Housing Styles B and E
Shaft Style B
6.32+0.03/-0.06 (.249+.001/-.003) Dia.
1.6 (.063)
1.19 (.047)
Shaft Style C
5.54±0.76 (.218±.003)
"D"
6.32+0.03/-0.06 (.249+.001/-.003) Dia.

Specifications:

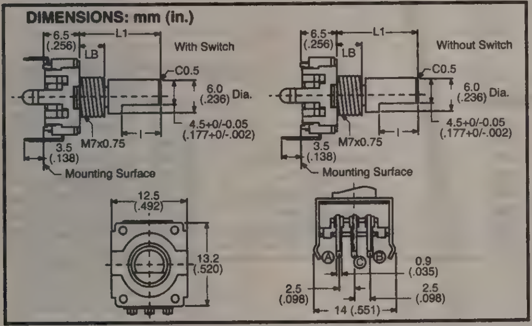
- Rotational Life: 200k shaft revolutions
- 2 channel quadrature output signal
- Operating Temperature: +1°C to +85°C

Features:

- Space saving low profile design
- Plastic shaft and bushing
- FR4 element design
- Long operating life
- Optional detents

MOUSER STOCK NO.	Bourns Part No.	Shaft Type	Detents	Pulses /Rev.	Price Each					
					1	5	10	25	50	100
652-ECW0J-C24-BE0024	ECW0J-C24-BE0024	C	0	24	3.82	3.27	3.73	2.45	2.18	1.96
652-ECW0J-C24-BE0036	ECW0J-C24-BE0036	C	0	36	3.82	3.27	3.73	2.45	2.18	1.96
652-ECW0J-C24-BC0006	ECW0J-C24-BC0006	C	24	6	4.24	3.63	3.03	2.72	2.42	2.18
652-ECW0J-C24-BC0024	ECW1J-C24-BC0024	C	24	24	4.24	3.63	3.03	2.72	2.42	2.18
652-ECW0J-B24-BE0024	ECW0J-B24-BE0024	B	0	24	3.82	3.27	3.73	2.45	2.18	1.96
652-ECW0J-B24-BE0036	ECW0J-B24-BE0036	B	0	36	3.82	3.27	3.73	2.45	2.18	1.96
652-ECW0J-B24-BC0006	ECW0J-B24-BC0006	B	24	6	4.24	3.63	3.03	2.72	2.42	2.18
652-ECW0J-B24-BC0024	ECW1J-B24-BC0024	B	24	24	4.24	3.63	3.03	2.72	2.42	2.18

12MM INCREMENTAL ENCODER


DIMENSIONS: mm (in.)
6.5 (.256)
L1
LB
With Switch
C0.5
6.0 (.236) Dia.
4.5+0/-0.05 (.177+0/-.002)
l
3.5 (.138)
M7x0.75
Mounting Surface
6.5 (.256)
L1
LB
Without Switch
C0.5
6.0 (.236) Dia.
4.5+0/-0.05 (.177+0/-.002)
l
3.5 (.138)
M7x0.75
Mounting Surface
12.5 (.492)
13.2 (.520)
Ⓐ Ⓒ Ⓑ
0.9 (.035)
2.5 (.098)
2.5 (.098)
14 (.551)

RoHS Compliant

Specifications:

- Electrical Output: 2-bit gray code quadrature output
- Resolution: 12,18 and 24 PPR (pulses per revolution)
- Temperature Rating: -30°C to +70°C
- Rotational Life: 30k cycles
- Switch Life: 20k cycles

Features:

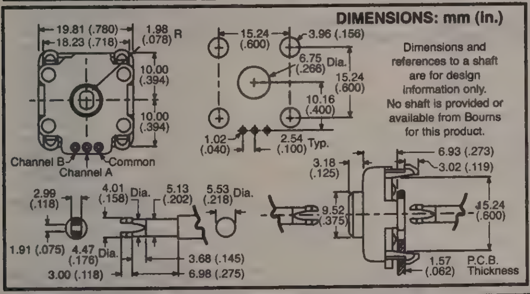
- Metal shaft and bushing
- Mounting bracket
- Push switch option
- Compact, rugged design
- Switch travel, 0.5mm (.020")

Applications:

- Audio-visual equipment
- Consumer electric appliances
- Radios
- Musical instrumentation
- Communications equipment

MOUSER STOCK NO.	Bourns Part No.	Switch	Detents	Price Each					
				1	5	10	25	50	100
652-PEC11-4220F-N12	PEC11-4220F-N0012	No	24	1.20	1.00	.96	.85	.79	.73
652-PEC11-4125F-N18	PEC11-4125F-N0018	No	18	1.20	1.00	.96	.85	.79	.73
652-PEC11-4220F-N24	PEC11-4220F-N0024	No	24	1.20	1.00	.96	.85	.79	.73
652-PEC11-4220F-S12	PEC11-4220F-S0012	Yes	24	1.35	1.22	1.08	1.08	.88	.84
652-PEC11-4125F-S18	PEC11-4125F-S0018	Yes	18	1.35	1.22	1.08	1.08	.88	.84
652-PEC11-4225F-S24	PEC11-4225F-S0024	Yes	24	1.35	1.22	1.08	1.08	.88	.84

SHAFTLESS 20MM DIGITAL ENCODER


DIMENSIONS: mm (in.)
19.81 (.780)
18.23 (.718)
1.98 (.078) R
10.00 (.394)
10.00 (.394)
Channel B
Channel A
Common
15.24 (.600)
3.96 (.156)
6.75 (.266) Dia.
15.24 (.600)
10.16 (.400)
1.02 (.040)
2.54 (.100) Typ.
2.99 (.118)
1.91 (.075)
4.01 (.158) Dia.
4.47 (.176) Dia.
5.13 (.202)
5.53 (.218) Dia.
3.68 (.145)
3.00 (.118)
6.98 (.275)
6.93 (.273)
3.02 (.119)
3.18 (.125)
9.52 (.375)
15.24 (.600)
1.57 (.062)
P.C.B. Thickness

Dimensions and references to a shaft are for design information only. No shaft is provided or available from Bourns for this product.

Specifications:

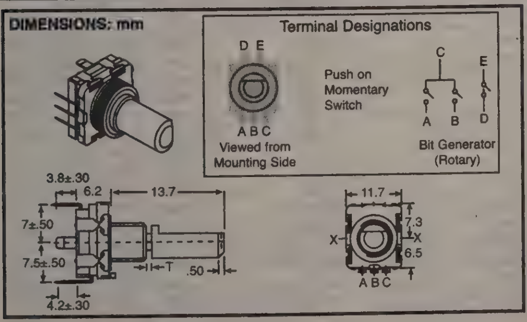
- Rotational Life: 30k cycles
- Electrical Output: 2-bit gray code quadrature output
- Operating Temperature: +1°C to +85°C

Features:

- Snap in bracket design
- FR4 element design
- Long operating life
- Optional detents

MOUSER STOCK NO.	Bourns Part No.	Detents	Pulses/ Rev.	Price Each					
				1	5	10	25	50	100
652-ESD0D-S00-GE0006	ESD0D-S00-GE0006	0	6	8.54	7.32	6.71	6.10	4.88	4.27
652-ESD0D-S00-GE0024	ESD0D-S00-GE0024	0	24	9.56	8.19	7.51	6.83	5.46	4.78
652-ESD0D-S00-GC0006	ESD0D-S00-GC0006	24	6	7.77	6.66	6.11	5.55	4.44	3.89
652-ESD0D-S00-GC0024	ESD0D-S00-GC0024	24	24	8.96	7.68	7.04	6.40	5.12	4.48

PIHER 11MM INCREMENTAL ENCODERS


DIMENSIONS: mm
Terminal Designations
D E
A B C
Viewed from Mounting Side
Push on Momentary Switch
C
E
A
B
D
Bit Generator (Rotary)
3.8±.30
6.2
13.7
7±.50
7.5±.50
T
.50
4.2±.30
11.7
7.3
X
X
6.5
A B C

Typical Application:

- Applications which require a single or multi-function rotary control interfaced with a digital electronic circuit.
- Consumer: Home appliances- washing machine/microwave oven timer & temperature programming controls, Hi-Fi, CD, Mini Disc and MP3 players, volume, tone, and title search controls.

Features:

- 2 bit in quadrature code
- Contact type
- Push-on switch (optional)
- Available with or without detents
- Compact design
- Threaded or plain bush options
- Available in vertical mount
- Endless rotation
- 15 or 20 pulses per rev.

Specifications:

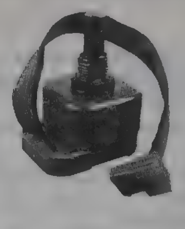
- Operating Temperature: -40°C to +85°C
- Life (endless rotation): 20,000 cycles
- Rotational Torque: 0.3 to 2 Ncm
- Push On Switch: 0.5 mm. travel
- Contact Resistance: 100mΩ Initial (Max)
- Pulses / Detents: 15/00, 15/30, 20/00, 0/20

MOUSER STOCK NO.	Piher Part No.	Detent	Switch	Price Each			
				1	25	50	100
531-CI11CTV	CI11-CT-V1Y22-LFACF	with	with	4.00	3.50	3.25	2.75
531-CI11C0V	CI11-C0-V1Y22-HF4CF	with	without	3.56	3.12	2.89	2.45

ELECTROSWITCH Encoders

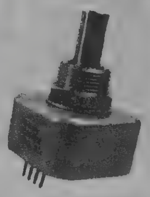
ELECTROSWITCH
•ELECTRONIC PRODUCTS
UNIT OF ELECTRO SWITCH CORP

A

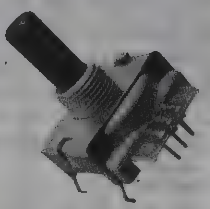


B

C



D



E

ELECTROSWITCH 900 SERIES OPTICAL ENCODERS

The 900 Series offers a full line of low cost, rugged optical encoders with incremental output. Well suited for industrial motion and position sensing, their low profile and high resolution also make them ideal for panel mounted applications. A two-channel quadrature code allows the encoder to detect the direction and magnitude of the input motion applied to its shaft.

Features/Specifications:

- Compact, Robust, Economical
- Up to 128 Pulses Per Revolution (PPR) in a 1" Square Sealed Package
- Bearing Model for High Operating Speeds
- New Low Profile Housing Style
- Two Channel Quadrature Output
- Pin or Cable Output

Applications:

- Mobile/Sensing Control
- Motor Control Devices
- Flow Control Devices
- Input Devices

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Shaft and Bearing Style	Code	Resolution	Termination	Price Each			
							1	25	50	100
690-90Q064-00-00	90Q064-00-00	A	1/4" shaft, 3/8" sleeve bearing	Quadrature	64	Straight Pins	51.67	49.91	48.44	44.29
690-90Q064-40-00	90Q064-40-00	A	1/4" shaft, 3/8" sleeve bearing	Quadrature	64	4" cable w/ connector	51.67	49.91	48.44	44.29
690-90Q128-00-00	90Q128-00-00	B	1/4" shaft, 3/8" sleeve bearing	Quadrature	128	Straight Pins	51.67	49.91	48.44	44.29
690-90Q128-40-00	90Q128-40-00	B	1/4" shaft, 3/8" sleeve bearing	Quadrature	128	4" cable w/ connector	51.67	49.91	48.44	44.29
690-95Q256-00-00	95Q256-00-00	C	1/4" shaft, 1/2" ball bearing	Quadrature	256	Straight Pins	51.67	49.91	48.44	44.29
690-95Q256-40-00	95Q256-40-00	C	1/4" shaft, 1/2" ball bearing	Quadrature	256	4" cable w/ connector	51.67	49.91	48.44	44.29

ELECTROSWITCH 700 SERIES MECHANICAL ENCODERS

The Electroswitch 700 Series is the economical solution to virtually any digital encoder or potentiometer requirement. As the latest version in our new generation of rotary encoder products, the 700 Series has been freshly tooled to include resistive analog output for potentiometer applications, as well as the standard digital code for direct interface with a microprocessor. The .890" package enhances the original design concept, delivering high performance and quality levels in triple digit PPMs

Features/Specifications:

- Digital Codes Available
- Incremental: Quadrature
- Absolute: Gray
- Analog Resistive Output For Use As A Potentiometer
- 5K And 10K Resistive Element Standards
- High Temperature Materials Meet 85°C Requirements
- Push-button Feature Allows Dual Function With Single Shaft Input

Applications:

- Timer and Temperature Selection
- HVAC Temperature and Fan Control
- Electronic Range Control
- Panel Input Device
- Audio Input

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Code	Cycles/Revolution or Resistive Value	No. of Detent Positions	Price Each			
						1	25	50	100
690-700-09-36	700-09-36	D	Quadrature	9	36	3.92	3.78	3.67	3.41
690-700-16-16	700-16-16	D	Quadrature	16	16	3.92	3.78	3.67	3.41
690-700-24-24	700-24-24	D	Quadrature	24	24	3.92	3.78	3.67	3.41
690-701-08-32	701-08-32	E	Quadrature with Pushbutton	8	32	3.92	3.78	3.67	3.41
690-701-04-16	701-04-16	E	Quadrature with Pushbutton	4	16	3.92	3.78	3.67	3.41
690-701-06-24	701-06-24	E	Quadrature with Pushbutton	4	24	3.92	3.78	3.67	3.41
690-702-01-12	702-01-12	D	Absolute	1	12	3.92	3.78	3.67	3.41
690-702-01-16	702-01-16	D	Absolute	1	16	3.92	3.78	3.67	3.41
690-702-01-24	702-01-24	D	Absolute	1	24	3.92	3.78	3.67	3.41
690-703-05-00	703-05-00	D	Resistive	05K	No Detents	3.92	3.78	3.67	3.41
690-703-10-00	703-10-00	D	Resistive	10K	No Detents	3.92	3.78	3.67	3.41
690-703-20-00	703-20-00	D	Resistive	20K	No Detents	3.92	3.78	3.67	3.41
690-704-05-00	704-05-00	E	Resistive with Pushbutton	05K	No Detents	3.92	3.78	3.67	3.41
690-704-10-00	704-10-00	E	Resistive with Pushbutton	10K	No Detents	3.92	3.78	3.67	3.41
690-704-20-00	704-20-00	E	Resistive with Pushbutton	20K	No Detents	3.92	3.78	3.67	3.41

ALCOSWITCH Pushbutton Switches

Tyco Electronics
Authorized Distributor

MPA3/MPB/MPA6 SERIES PANEL MOUNT PUSHBUTTON SWITCHES

- Black cap provided with MPA3 series
- Operating force: MPA3/MPB = SPST - 10oz.; SPDT - 16 oz. :(MPA6 = 1.3-2.7 lbs)
- Contact material: MPA3 = Silver clad; MPB = Silver plate, MPA6 = Silver clad copper w/gold flash
- Contact timing: Break-before-make
- Terminal material: MPA3 and MPB = Silver plate: (MPA6 = Copper w/gold flash)
- Contact resistance: MPA3/MPB = 20 mΩ max., MPA6 = 10 mΩ max.
- Terminal seal molded in on MPA6
- Actuator material: MPA3/MPB = Polyamide; (MPA6 = Nickel plated copper alloy)
- Case material: Thermoset

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Switch Function	Contact Rating (A)	Mounting	Price Each		
							1	25	50
MPA3 Series									
506-MPA103B	MPA103B	A	SPST	NC Mom.	3	PCB	**5.30**	**5.04**	**4.77**
506-MPA103C04	MPA103C04	A	SPST	NO Mom.	3	PCB	**5.30**	**5.04**	**4.77**
506-MPA103D	MPA103D	A	SPDT	Push-on/Push-Off	3	PCB	**6.90**	**6.55**	**6.21**
506-MPA103F	MPA103F	A	SPDT	Momentary	3	PCB	**9.68**	**9.20**	**8.71**
MPB Series									
506-MPB103B	MPB103B	B	SPST	NC	3	PCB	**5.32**	**4.79**	**4.00**
506-MPB103C04	MPB103C04	B	SPST	NO	3	PCB	**5.70**	**5.42**	**5.13**
MPA6 Series									
506-MPA106D04	MPA106D04	C	SPDT	Push-on/Push-Off	6	Wire lug	**8.69**	**8.21**	**7.25**
506-MPA106F	MPA106F	C	SPDT	Momentary	6	Wire lug	**16.10**	**15.30**	**14.49**
506-MPA206N	MPA206N	D	DPDT	Push-on/Push-Off	6	Wire lug	**15.68**	**14.90**	**14.11**
506-MPA206R04	MPA206R04	D	DPDT	Momentary	6	Wire lug	**12.44**	**11.82**	**11.20**
506-MPA406N04	MPA406N04	E	4PDT	Push-on/Push-Off	6	Wire lug	**22.84**	**21.70**	**20.56**
506-MPA406R04	MPA406R04	E	4PDT	Momentary	6	Wire lug	**19.16**	**18.21**	**17.25**

MPE SERIES PANEL MOUNT SPLASHPROOF PUSHBUTTON SWITCHES

- O-ring on shoulder and inside moveable shaft provides splashproof seal
- Contact material: Silver clad copper w/ gold flash
- Case material: Thermoset
- Actuator material: Nickel plated copper alloy
- Operating force: 1.3-2.7 lbs.
- Contact timing: Break-before-make
- Contact resistance: 10 mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Switch Function	Contact Rating (A)	Mounting	Price Each		
							1	25	50
506-MPE106D04	MPE106D04	C	SPDT	Push-on/Push-off	6	Wire lug	**11.12**	**10.56**	**10.01**
506-MPE106F04	MPE106F04	C	SPDT	Momentary	6	Wire lug	**9.40**	**8.93**	**8.46**
506-MPE206N04	MPE206N04	D	DPDT	Push-on/Push-off	6	Wire lug	**16.56**	**15.73**	**14.90**
506-MPE206R04	MPE206R04	D	DPDT	Momentary	6	Wire lug	**12.40**	**11.78**	**11.16**
506-MPE406N04	MPE406N04	E	4PDT	Push-on/Push-off	6	Wire lug	**21.60**	**20.52**	**19.44**
506-MPE406R04	MPE406R04	E	4PDT	Momentary	6	Wire lug	**24.35**	**23.00**	**20.30**

MPG SERIES PUSHBUTTON SWITCHES

- Black cap supplied
- Terminal seal molded in.
- Contact material: Silver clad copper w/ gold flash
- Case material: Thermoset
- Operating force: 1.3-2.7 lbs.
- Contact timing: Break-before-make
- Contact resistance: 10 mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Switch Function	Contact Rating (A)	Mounting	Price Each		
							1	25	50
506-MPG106D04	MPG106D04	F	SPDT	Push-on/Push-off	8	Wire lug	**13.30**	**12.64**	**11.97**
506-MPG106F04	MPG106F04	F	SPDT	Momentary	6	Wire lug	**11.00**	**10.45**	**9.90**
506-MPG206N04	MPG206N04	G	DPDT	Push-on/Push-off	6	Wire lug	**19.52**	**18.55**	**17.57**
506-MPG206R04	MPG206R04	G	DPDT	Momentary	6	Wire lug	**18.58**	**16.68**	**14.56**
506-MPG406N04	MPG406N04	H	4PDT	Push-on/Push-off	6	Wire lug	**24.14**	**22.93**	**21.73**
506-MPG406R04	MPG406R04	H	4PDT	Momentary	6	Wire lug	**26.10**	**24.80**	**23.50**

ACCESSORIES FOR PUSHBUTTON SWITCHES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Description	Price Each		
				1	25	50
506-BP14400	BP14400	I	Black 1/4-40 boot seal for MPA3	**5.20**	**4.94**	**4.68**
506-BPA14400	BPA14400	J	Black 1/4-40 boot seal for MPA3	**5.20**	**4.94**	**4.68**
506-BPM15320	BPM15320	K	Black 1/4-40 seal adapter for MPA6	**10.54**	**9.22**	**8.26**
506-C22004	C220-04	L	Black snapfit cap for MPA6	**1.00**	**.95**	**.90**
506-C230-AG	C230-AG	M	Black snapfit cap for MPA6	**1.26**	**1.20**	**1.13**
506-C232	C232	M	Red snapfit cap for MPA6	**.87**	**.80**	**.76**
506-C235AG	C235-AG	M	Green snapfit cap for MPA6	**.92**	**.84**	**.69**
506-G12A	G12A	N	Clear aluminum plain finish button guard for C22	**2.46**	**2.34**	**2.21**
506-G12B	G12B	N	Black aluminum plain finish button guard for C22	**1.46**	**1.34**	**1.27**
506-G12KA	G12KA	O	Clear aluminum knurled finish button guard for C22	**2.76**	**2.62**	**2.48**
506-G12KB	G12KB	O	Black aluminum knurled finish button guard for C22	**2.52**	**2.40**	**2.27**
506-BP15320	BP15320	P	Black 15/32-32 boot seal for MPG	**4.36**	**4.14**	**3.70**

TINY PUSHBUTTON SWITCHES

TPB Series Tiny Pushbutton Switches

- Actuator material: Polyimide
- Contact material: Gold plated
- Terminal material: Tin lead plate
- Terminal seal: Epoxy
- Operating force: 260g
- Contact rating: 0.4 VA @ 20 VDC
- Contact timing: Break-before-make

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Contact Form	Bushing	Price Each			
					1	25	50	100
Straight Mount								
506-TPB11CGPC004	TPB11CGPC004	Q	SPST-NO Mom	Rnd, unthreaded, ø.188"	**4.42**	**4.20**	**3.98**	**2.70**
506-TPB11FGPC004	TPB11FGPC004	Q	SPDT Mom	Rnd, unthreaded, ø.188"	**6.32**	**6.01**	**5.70**	**3.87**
Right Angle Mount								
506-TPB11CGRA004	TPB11CGRA004	R	SPST-NO Mom	Rnd, unthreaded, ø.188"	**4.96**	**4.72**	**4.47**	**3.05**
506-TPB11FGRA004	TPB11FGRA004	R	SPDT Mom	Rnd, unthreaded, ø.188"	**6.16**	**5.85**	**5.54**	**3.77**

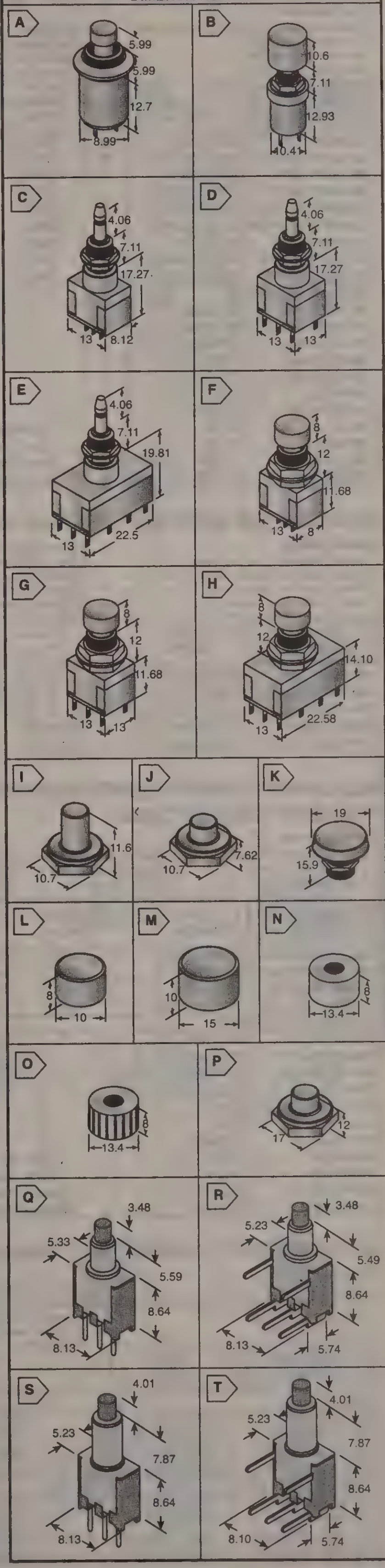
TPD/TPF Series Tiny Pushbutton Switches

- Actuator material: Polyimide
- Contact material: Gold over nickel barrier
- Terminal material: Tin lead plate
- Terminal seal: Epoxy
- Operating force: 50-400 grams
- Contact rating: 0.4 VA @ 20 VDC
- Contact timing: Break-before-make
- Contact resistance: 20mΩ max.

For quantities of 500 and up, call for quote.

Straight Mount								
506-TPD11CGPC004	TPD11CGPC004	S	SPST-NO Mom	Rnd, unthreaded, ø.250"	**5.44**	**5.17**	**4.90**	**3.82**
506-TPF11FGPC004	TPF11FGPC004	S	SPDT-NO Mom	Rnd, threaded, ø1/4-40	**10.24**	**9.73**	**9.22**	**6.26**
Right Angle Mount								
506-TPD11CGRA0	TPD11CGRA0	T	SPST-NO Mom	Rnd, unthreaded, ø.250"	**7.00**	**6.65**	**6.31**	**5.96**
506-TPF11FGRA004	TPF11FGRA004	T	SPDT-NO Mom	Rnd, threaded, ø1/4-40	**11.50**	**10.93**	**10.35**	**7.03**

DIMENSIONS: mm



ALCOSWITCH Pushbutton Switches

ALCOSWITCH MPS SERIES SNAP ACTION PUSHBUTTON SWITCHES

Specifications:

- Actuator material: Copper alloy, nickel plate
- Contact material: Silver
- Terminal material: Silver
- Terminal seal: Epoxy
- Case material: Epoxy resin
- Operating force: Single pole = 7-14 oz.
  Double pole = 14-25 oz.
- Contact timing: Break-before-make
- Contact resistance: 10mΩ max.
- Contact rating: 3A @ 115VAC

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Switch Function	Mounting	Price Each		
						1	25	50
506-MPS103D	MPS103D	A	SPDT	Push-on/Push-off	Wire Lug	12.72	12.08	11.45
506-MPS103DPC	MPS103DPC	B	SPDT	Push-on/Push-off	PC terminals	12.26	11.65	11.03
506-MPS103F	MPS103F	A	SPDT	Momentary	Wire Lug	5.96	5.51	5.36
506-MPS103FPC	MPS103FPC	B	SPDT	Momentary	PC terminals	8.40	7.56	7.14
506-MPS103FRA	MPS103FRA	C	SPDT	Momentary	R/A PC	10.60	10.07	9.54
506-MPS103FPCV	MPS103FPCV	D	SPDT	Momentary	PC w/ support	10.78	10.24	9.70
506-MPS203N	MPS203N	E	DPDT	Push-on/Push-off	Wire Lug	14.10	13.40	12.69
506-MPS203NPC	MPS203NPC	F	DPDT	Push-on/Push-off	PC terminals	13.01	12.29	10.85
506-MPS203R	MPS203R	E	DPDT	Momentary	Wire Lug	12.00	10.00	9.00
Accessories for MPS			Description					
506-BP14400	BP14400	O	Black 1/4-40 boot seal for MPS			5.20	4.94	4.68
506-BPA14400	BPA14400	P	Black 1/4-40 boot seal for MPS			5.20	4.94	4.68
506-BPM15320	BPM15320	Q	Black 1/4-40 seal adapter for MPS			10.54	9.22	8.26
506-C220-AG	C220-AG	R	Black snapfit cap for MPS			.64	.58	.48
506-C230-AG	C230-AG	S	Black snapfit cap for MPS			1.26	1.20	1.13
506-C232	C232	S	Red snapfit cap for MPS			.77	.70	.58
506-C235-AG	C235-AG	S	Green snapfit cap for MPS			1.46	1.39	1.31
506-G12A	G12A	T	Clear aluminum plain finish button guard for C220			2.46	2.34	2.21
506-G12B	G12B	T	Black aluminum plain finish button guard for C220			1.46	1.34	1.27
506-G12KA	G12KA	U	Clear aluminum knurled finish button guard for C220			2.76	2.62	2.48
506-G12KB	G12KB	U	Black aluminum knurled finish button guard for C220			2.52	2.40	2.27

ALCOSWITCH MSP3/MSPS SERIES PANEL MOUNT PUSHBUTTON SWITCHES

Specifications:

- Actuator material: Thermoplastic
- Contact material: Silver plate over copper alloy
- Terminal material: Silver plate
- Case material: Thermoplastic
- Contact rating: MSP = 3A @ 125 VAC; MSPS = 0.5A @ 125VAC
- Operating force: Single pole = 7-14 oz.
  Double pole = 14-25 oz.
- Contact timing: Break-before-make
- Contact resistance: 100mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Switch Function	Cap Color	Price Each		
						1	25	50
506-MSP103B	MSP103B	G	SPST	Normally Closed	Black	2.63	2.48	2.19
506-MSP103C0	MSP103C0	G	SPST	Normally Open	Black	2.79	2.64	2.33
506-MSPS103B	MSPS103B	H	SPST	Normally Closed	Black	1.44	1.32	1.22
506-MSPS103C	MSPS103C	H	SPST	Normally Open	Red	1.82	1.73	1.64
506-MSPS103C0	MSPS103C0	H	SPST	Normally Open	Black	1.46	1.39	1.32

ALCOSWITCH MSPM SERIES HERMETICALLY SEALED PUSHBUTTON SWITCHES

Specifications:

- Actuator material: Polyamide
- Contact material: Gold
- Case material: Steel
- Contact rating: 1.0 VA
- Operating force: 4-7 oz.
- Life expectancy: 5 million cycles @ 0.1 VA
- Contact resistance: 100mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Switch Function	Cap Color	Mount Type	Price Each		
							1	25	50
506-MSPM101B0	MSPM101B0	I	SPST	Normally Closed	Black	Pin	20.12	19.01	16.77
506-MSPM101B104	MSPM101B104	J	SPST	Normally Closed	Black	Lug	20.32	19.19	16.94
506-MSPM101C1	MSPM101C1	J	SPST	Normally Open	Red	Lug	20.00	19.35	18.40
506-MSPM101C2	MSPM101C2	I	SPST	Normally Open	Red	Pin	30.58	27.53	26.00
Accessories for MSPM			Description						
506-BP14400	BP14400	O	Black 1/4-40 boot seal for MSPM				5.20	4.94	4.68
506-BPA14400	BPA14400	P	Black 1/4-40 boot seal for MSPM				5.20	4.94	4.68
506-BPM15320	BPM15320	Q	Black 1/4-40 seal adapter for MSPM				10.54	9.22	8.26
506-C220-AG	C220-AG	R	Black snapfit cap for MSPM				.64	.58	.48
506-C230-AG	C230-AG	S	Black snapfit cap for MSPM				1.26	1.20	1.13
506-C232	C232	S	Red snapfit cap for MSPM				.77	.70	.58
506-C235-AG	C235-AG	S	Green snapfit cap for MSPM				1.46	1.39	1.31
506-G12A	G12A	T	Clear aluminum plain finish button guard for C220				2.46	2.34	2.21
506-G12B	G12B	T	Black aluminum plain finish button guard for C220				1.46	1.34	1.27
506-G12KA	G12KA	U	Clear aluminum knurled finish button guard for C220				2.76	2.62	2.48
506-G12KB	G12KB	U	Black aluminum knurled finish button guard for C220				2.52	2.40	2.27

ALCOSWITCH TP SERIES TINY PUSHBUTTON SWITCHES

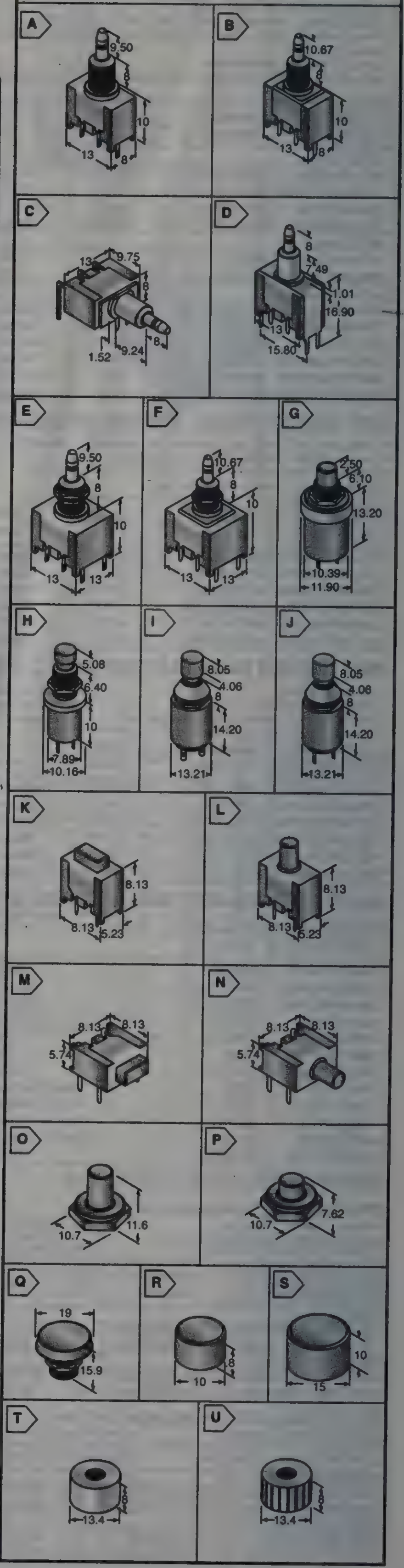
Specifications:

- Actuator material: Polyamide
- Contact material: Gold over nickel barrier
- Terminal material: Tin lead plate
- Terminal seal: Epoxy
- Operating force: 50-400 grams
- Contact rating: 0.4 VA @ 20 VDC
- Contact timing: Break-before-make
- Contact resistance: 20mΩ max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Actuator Type/Color	Price Each		
					1	25	50
Straight Mount							
506-TP11CGPC0	TP11CGPC0	K	SPST N.O. Mom	Square/Black	3.52	3.17	2.65
506-TP11CGPC2	TP11CGPC2	K	SPST N.O. Mom	Square/Red	5.34	5.08	4.81
506-TPA11CGPC0	TPA11CGPC0	L	SPST N.O. Mom	Round/Black	5.77	5.19	4.33
506-TPA11CGPC2	TPA11CGPC2	L	SPST N.O. Mom	Round/Red	5.02	4.77	4.52
Right Angle Mount							
506-TP11CGRA0	TP11CGRA0	M	SPST N.O. Mom	Square/Black	4.20	3.99	3.78
506-TP11CGRA2	TP11CGRA2	M	SPST N.O. Mom	Square/Red	4.42	4.20	3.98
506-TPA11CGRA2	TPA11CGRA2	N	SPST N.O. Mom	Round/Red	4.16	3.95	3.74
506-TPA11CGRA0	TPA11CGRA0	N	SPST N.O. Mom	Round/Black	5.78	5.50	5.20

DIMENSIONS: mm



ALPS Power and Push Switches

ALPS

ALPS SDKN SERIES: 0.5A 125VAC QUALIFIED POWER SWITCHES

Specifications:
- Rating: 0.5A @ 125VAC
- Operating life: 6,000 cycles

Applications:
- Switches up to 20W lamps and microcomputers for detection of whether a refrigerator door is open or closed, or any similar application

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Contact Form	Travel (mm)	Operation Type	Operating Force	Price Each				
							1	25	50	100	200
688-SDKNA20600	SDKNA20600	A	SPDT	9.0	Push	3.5 N ± 1N	**3.02**	**2.81**	**2.59**	**2.42**	**2.33**
688-SDKNA20700	SDKNA20700	B	SPDT	9.7	Lever	2 N ± 1.5N	**3.02**	**2.81**	**2.59**	**2.42**	**2.33**

ALPS TV-3 QUALIFIED POWER SWITCHES

Specifications:
- UL, CSA, SEMKO, BS, SEV, and VDE rated
- Rating: 4A @ 250VAC
- Operating life: 25,000 cycles

Applications:
- Power on/off switch for audio equipment or any electronic appliance

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Contact Form	Travel (mm)	Mounting Style	Terminal Style	Price Each				
							1	25	50	100	200
688-SDDLD10900	SDDLD10900	C	SPST	1.5	M3-screw	Solder	**2.04**	**1.89**	**1.75**	**1.63**	**1.57**
688-SDDLD10500	SDDLD10500	C	SPST	1.5	ø3.2 hole	Solder	**2.15**	**2.00**	**1.85**	**1.72**	**1.66**
688-SDDLD12200	SDDLD12200	D	SPST	1.5	Snap-in	PC board	**2.15**	**2.00**	**1.85**	**1.72**	**1.66**

ALPS TV-5 QUALIFIED POWER SWITCHES

Specifications:
- UL, CSA, SEMKO, BS, and VDE rated
- Rating: 5A @ 250VAC
- Operating life: 25,000 cycles

Applications:
- Power on/off switch for televisions, computers, audio devices, etc.
- Any electronic equipment which requires resistance against high inrush current

Features:
- SDKVB10100 has a built-in detector switch

For quantities of 500 and up, call for quote.

688-SDKLA10100	SDKLA10100	E	SPST	2.5	M3-screw	Solder	**1.51**	**1.08**	**.99**	**.95**	**.80**
688-SDKLA10900	SDKLA10900	F	SPST	2.5	ø3.2 hole	Solder	**1.51**	**1.08**	**.99**	**.95**	**.80**
688-SDKLA10200	SDKLA10200	G	SPST	2.5	Snap-in	PC board	**1.51**	**1.08**	**.99**	**.95**	**.80**
688-SDKLA10300	SDKLA10300	H	SPST	2.5	M3-screw	PC board	**1.51**	**1.08**	**.99**	**.95**	**.80**
688-SDKLA10800	SDKLA10800	I	SPST	2.5	M3-screw	QC #110	**2.04**	**1.46**	**1.34**	**1.28**	**1.08**
688-SDKEC30100	SDKEC30100	J	DPST	2.5	Snap-in	PC board	**4.07**	**2.91**	**2.67**	**2.56**	**2.15**
688-SDKVA30100	SDKVA30100	K	DPST	2.5	Snap-in	PC board	**3.49**	**2.49**	**2.29**	**2.19**	**1.84**
688-SDKVA30200	SDKVA30200	L	DPST	2.5	M3-screw	PC board	**3.49**	**2.49**	**2.29**	**2.19**	**1.84**
688-SDKVB10100	SDKVB10100	M	SPST	2.5	Snap-in	PC board	**2.91**	**2.08**	**1.91**	**1.83**	**1.54**
688-SDKVB10200	SDKVB10200	N	SPST	2.5	Snap-in	PC board	**2.31**	**1.65**	**1.52**	**1.45**	**1.22**
688-SDKVB10300	SDKVB10300	O	SPST	2.5	Snap-in	PC board	**2.79**	**2.00**	**1.84**	**1.76**	**1.48**

ALPS TV-8 QUALIFIED POWER SWITCHES

Specifications:
- UL, CSA, SEMKO, BS, DEMKO, NEMKO, SEV and VDE rated
- Rating: 8A @ 250VAC

Applications:
- Power on/off switch for televisions, computers, audio devices, office equipment, etc.

For quantities of 500 and up, call for quote.

688-SDDFA31900	SDDFA31900	P	DPST	1.5	ø3.2 hole	PC board	**6.11**	**4.36**	**4.01**	**3.84**	**3.23**
688-SDDFA32200	SDDFA32200	P	DPST	4.0	ø3.2 hole	PC board	**6.11**	**4.36**	**4.01**	**3.84**	**3.23**
688-SDDFC10100	SDDFC10100	Q	SPST	2.5	Snap-in	PC board	**3.78**	**2.70**	**2.48**	**2.38**	**2.00**
688-SDDFC30400	SDDFC30400	Q	DPST	2.5	Snap-in	PC board	**4.07**	**2.91**	**2.67**	**2.56**	**2.15**

ALPS PCB MOUNT PUSH SWITCHES

Specifications:
- Rating for all (except SPED110100): 0.1A @ 30VDC
- Rating for SPED110100: 1A @ 14.5VDC
- Non-shorting

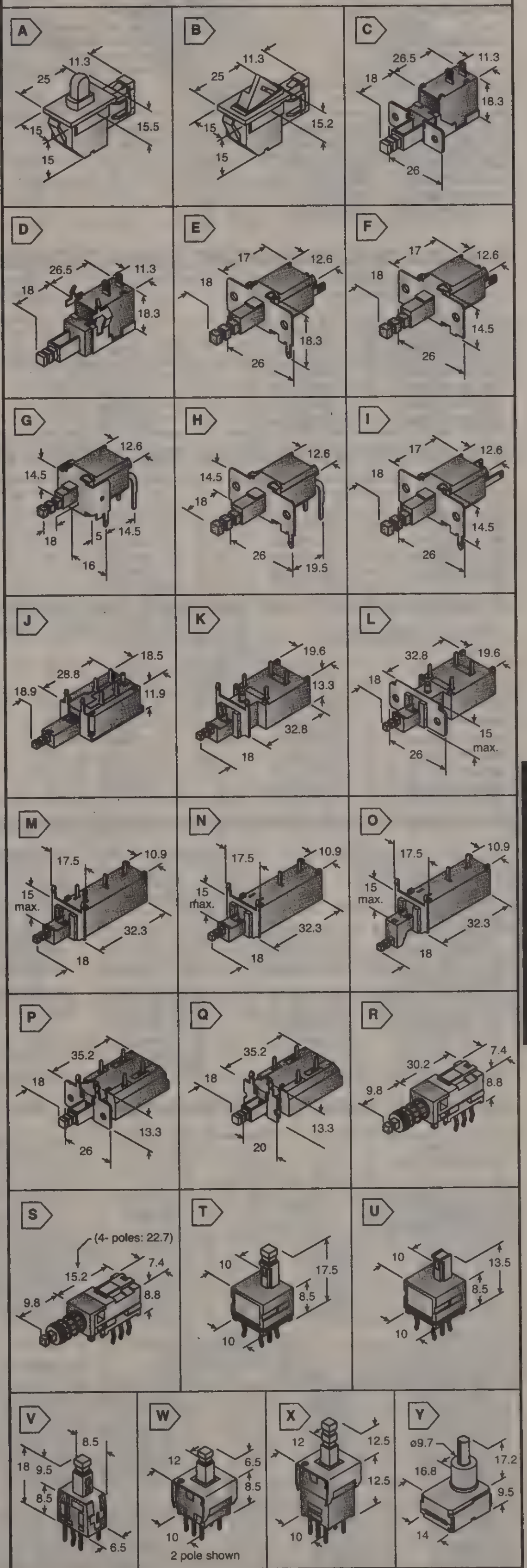
Applications:
- Various applications in home electronic equipment, audio, game machines, etc.

Features:
- SPUJ126900 has red LED indicator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Contact Form	No. of Poles	Travel (mm)	Terminal Style	Price Each				
							1	25	50	100	200
Horizontal type											
688-SPUJ126900	SPUJ126900	R	Latching	2	2	Snap-in	**3.19**	**2.45**	**2.21**	**1.96**	**1.76**
688-SPUJ191000	SPUJ191000	S	Latching	2	2	Snap-in	**1.13**	**.87**	**.79**	**.70**	**.63**
688-SPUJ191900	SPUJ191900	S	Momentary	2	2	Snap-in	**1.13**	**.87**	**.79**	**.70**	**.63**
688-SPUJ190900	SPUJ190900	S	Latching	2	2	Straight	**1.13**	**.87**	**.79**	**.70**	**.63**
688-SPUJ191500	SPUJ191500	S	Momentary	2	2	Straight	**1.13**	**.87**	**.79**	**.70**	**.63**
688-SPUJ193700	SPUJ193700	S	Latching	4	2	Straight	**1.35**	**1.04**	**.93**	**.83**	**.75**
688-SPUJ194500	SPUJ194500	S	Momentary	4	2	Straight	**1.35**	**1.04**	**.93**	**.83**	**.75**
Vertical type											
688-SPPH130100	SPPH130100	T	Momentary	2	1.5	Snap-in	**1.57**	**1.21**	**1.08**	**.96**	**.87**
688-SPPH130400	SPPH130400	T	Latching	2	1.5	Snap-in	**1.67**	**1.29**	**1.16**	**1.03**	**.93**
688-SPPH110300	SPPH110300	T	Momentary	2	1.5	Straight	**1.57**	**1.21**	**1.08**	**.96**	**.87**
688-SPPH110800	SPPH110800	T	Latching	2	1.5	Straight	**1.67**	**1.29**	**1.16**	**1.03**	**.93**
688-SPPH140100	SPPH140100	U	Momentary	2	1.5	Snap-in	**1.57**	**1.21**	**1.08**	**.96**	**.87**
688-SPPH120100	SPPH120100	U	Momentary	2	1.5	Straight	**1.57**	**1.21**	**1.08**	**.96**	**.87**
688-SPPH120400	SPPH120400	U	Latching	2	1.5	Straight	**1.67**	**1.29**	**1.16**	**1.03**	**.93**
688-SPPH430100	SPPH430100	V	Latching	2	2.2	Snap-in	**.81**	**.62**	**.56**	**.50**	**.45**
688-SPPH430200	SPPH430200	V	Momentary	2	2.2	Snap-in	**.76**	**.58**	**.52**	**.47**	**.42**
688-SPEA122100	SPEA122100	W	Latching	2	1.2	Snap-in	**2.86**	**2.20**	**1.98**	**1.76**	**1.59**
688-SPEA123000	SPEA123000	W	Latching	4	1.2	Snap-in	**4.98**	**4.67**	**4.36**	**3.74**	**3.43**
688-SPEA121800	SPEA121800	W	Latching	2	1.2	Straight	**2.86**	**2.20**	**1.98**	**1.76**	**1.59**
688-SPEA122200	SPEA122200	W	Momentary	2	1.2	Straight	**2.86**	**2.20**	**1.98**	**1.76**	**1.59**
688-SPEC121100	SPEC121100	X	Latching	2	2.5	Straight	**2.59**	**1.94**	**1.88**	**1.68**	**1.36**
688-SPEC121300	SPEC121300	X	Latching	2	2.5	Snap-in	**2.59**	**1.94**	**1.88**	**1.68**	**1.36**
688-SPED110100	SPED110100	Y	Alternate	1	4.5	Connector	**3.32**	**2.49**	**2.41**	**2.16**	**1.75**

DIMENSIONS: mm



APEM Pushbutton Switches

RoHS Compliant This page of product is compliant.

MHPS SERIES MINI KEY PUSHBUTTON SWITCHES

Specifications:
- DPDT
- Maintained action
- Non-shorting contacts
- Contact rating: 100mA # 30 VDC
- Dielectric withstanding voltage: 500 VAC for 1 minute
- Contact resistance: 100mΩ max.

Materials:
- Case: PBT (model MHPS2266 only -Type 6/6 nylon)
- Cover: Acetal (model MHPS2266 only - Type 6/6 nylon)
- Actuator: Acetal
- Terminals: silver plated brass

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Height (mm)	Force (grms)	Price Each			
					1	25	100	500
642-MHPS2266	MHPS2266	A	14	140	.77	.73	.69	.65
642-MHPS2273	MHPS2273	B	16	140	.43	.41	.38	.36
642-MHPS2283	MHPS2283	C	17.5	180	.41	.39	.37	.35
642-MHPS2285	MHPS2285	D	11	180	.41	.39	.37	.35

IB SERIES SEALED MINIATURE PUSHBUTTON SWITCHES

- Contact ratings: 400mA @ 32VAC, 100mA @ 50VAC, or 125mA @ 125VAC
- Operating temp. range: -40°C to +85°C
- Contact resistance: 50mΩ max.
- Solder terminals

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Function ( ) Momentary	Color	Price Each			
					1	25	100	500
642-IBR3SAD2	IBR3SAD2	E	Off-(On)	Black	11.88	9.52	8.32	7.12
642-IBR3SAD3	IBR3SAD3	E	Off-(On)	Green	11.88	9.52	8.32	7.12
642-IBR3SAD5	IBR3SAD5	E	Off-(On)	Yellow	11.88	9.52	8.32	7.12
642-IBR3SAD6	IBR3SAD6	E	Off-(On)	Red	11.88	9.52	8.32	7.12

IS SERIES SEALED MINIATURE PUSHBUTTON SWITCHES

- Contact ratings: 400mA @ 32VAC, 100mA @ 50VAC, or 125mA @ 125VAC
- Operating temp. range: -40°C to +85°C
- Contact resistance: 50mΩ max.
- Solder terminals

For quantities of 1000 and up, call for quote.

642-ISR3SAD2	ISR3SAD2	F	Off-(On)	Black	12.18	9.74	8.52	7.31
642-ISR3SAD3	ISR3SAD3	F	Off-(On)	Green	12.18	9.74	8.52	7.31
642-ISR3SAD5	ISR3SAD5	F	Off-(On)	Yellow	12.18	9.74	8.52	7.31
642-ISR3SAD6	ISR3SAD6	F	Off-(On)	Red	12.18	9.74	8.52	7.31

IP SERIES PUSHBUTTON SWITCHES FOR HARSH ENVIRONMENTS

- Contact ratings: 500mA@48VAC, 200mA@50VAC, or 200mA@250VAC
- Operating temp. range: -40°C to +125°C
- Contact resistance: 50 mΩ max.
- Solder terminals

For quantities of 1000 and up, call for quote.

642-IPR3SAD2	IPR3SAD2	G	Off-(On)	Black	16.03	12.82	11.22	9.62
642-IPR3SAD3	IPR3SAD3	G	Off-(On)	Green	16.03	12.82	11.22	9.62
642-IPR3SAD5	IPR3SAD5	G	Off-(On)	Yellow	16.03	12.82	11.22	9.62
642-IPR3SAD6	IPR3SAD6	G	Off-(On)	Red	16.03	12.82	11.22	9.62
642-IPC3SAD3	IPC3SAD3	H	Off-(On)	Green	16.03	12.82	11.22	9.62
642-IPC3SAD5	IPC3SAD5	H	Off-(On)	Yellow	16.83	14.50	13.35	11.50
642-IPC3SAD6	IPC3SAD6	H	Off-(On)	Red	16.03	12.82	11.22	9.62
642-IPC3SAD9	IPC3SAD9	H	Off-(On)	Orange	16.03	12.82	11.22	9.62

AV SERIES SECURITY AND ANTI-VANDAL SWITCHES

* Panel seal protects per IP54

- Operating temp. range: -20°C to +55°C
- Contact resistance: 10 mΩ max
- IP65 w/ internal seal

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Circuit ( ) Momentary	Rating	Actuator	Price Each		
						1	25	100
Screw Terminal								
642-AV191003C900	AV191003C900	I	SPST Off-(On)	2A@48VDC	Curved	13.95	12.56	11.16
642-AV091003C900	AV091003C900	I	SPST Off-(On)	2A@48VDC	Flat	11.18	10.67	10.14
*642-AVM21003C940T	AVM21003C940T	J	SPST Off-(On)	2A@48VDC	Curved	34.26	32.55	30.83
Solder Terminal								
642-AV09C703D200	AV09C703D200	K	SPST Off-(On)	50mA@24VDC	Flat	12.62	11.99	11.36
*642-AV09C703D200K	AV09C703D200K	K	SPST Off-(On)	50mA@24VDC	Flat	15.64	14.85	14.08
642-AV199035D200	AV199035D200	L	SPST Off-(On)	1A@30V	Curved	33.77	30.39	27.01
642-AV19301ZQE	AV19301ZQE	M	SPST Off-(On)	3A@120VAC or 28VDC	Curved	15.51	13.96	12.41
642-AV22PNA62	AV22PNA62	N	SPST Off-(On)	5A@220VAC	Mushroom Head, Red	37.91	35.80	33.69
642-AV22PNA6B	AV22PNA6B	O	DPDT Off-(On)	6A@220VAC	Mushroom Head, Red	74.90	70.73	66.57

A01 AND A02 SERIES INDUSTRIAL CONTROL SWITCHES

- Contacts: A01= gold plated silver
- A02= silver plated
- Modular construction
- Each actuator requires a switch block
- Current voltage ratings:
- A01= 6A@250VAC max.-10mA@5VAC min.
- A02= 12A@380VAC max.-16A@250VAC max., 25mA@5VAC min

† Illuminated switches require LED and screen, sold separately.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Poles	Description	Price Each		
					1	25	100
† 642-A0101X	A0101X	P	1 or 2	Rectangular, illum., maintained pos.	9.00	8.10	7.20
642-A019101	A019101	Q	1 or 2	Rectangular, 2 pos., maintained pos.	10.00	9.00	8.00
642-A01ES	A01ES	R	1 or 2	Round, emergency stop	9.74	8.77	7.79
† 642-A0211X	A0211X	S	1 to 4	Round, illuminated, maintained pos.	17.94	16.15	14,35
642-A029101	A029101	Q	1 to 4	Square, 2 position, maintained pos.	9.96	8.96	7.97

Switch Blocks

† Excludes emergency stop, part #642-A01ES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Description	Price Each		
			1	25	100
642-A0150B	A0150B	Switch block, single pole, for 642-A01ES	6.72	6.05	5.38
† 642-A02503	A02503	Switch block, 2 N.O. contacts, for A02 series	13.62	12.26	10.90
† 642-A0151B	A0151B	Switch block, single pole, for A01 series	6.50	5.85	5.20
† 642-A0152B	A0152B	Switch block, double pole, for A01 series	9.36	8.42	7.49
† 642-A0155B	A0155B	Switch block, triple pole, for A01 series	15.98	14.38	12.78
† 642-A0153B	A0153B	Switch block, four pole, for A01 series	19.48	17.53	15.58

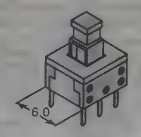
Accessories

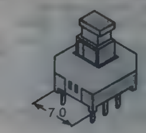
All sold separately.

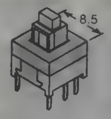
For quantities of 500 and up, call for quote.

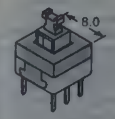
642-A0161B	A0161B	Rectangle screen, Red, for 642-A0101X	.60	.48	.42
642-A0142M1	A0142M1	Red LED 12V for 642-A0101X	12.80	11.52	10.24
642-A0263B	A0263B	Round screen, Red, for 642-0211X	.70	.56	.49
642-A0244J1	A0244J1	Red LED, 12V for 642-0211X	18.38	16.55	16.08

DIMENSIONS: mm

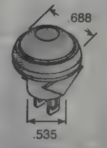
A


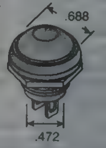
B


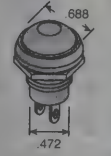
C


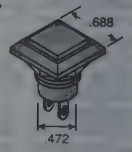
D


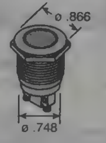
DIMENSIONS: in.

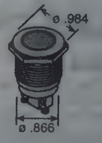
E


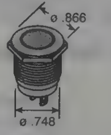
F


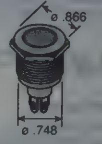
G


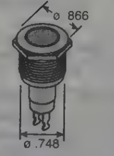
H


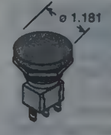
I


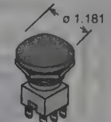
J


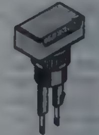
K


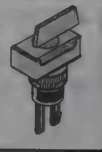
L


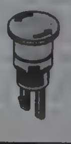
M


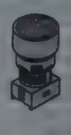
N


O


P


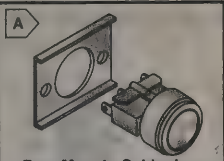
Q


R


S


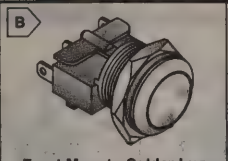
BULGIN Pushbutton Switches

A



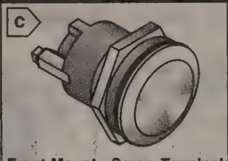
Rear Mount - Solder Lug

B



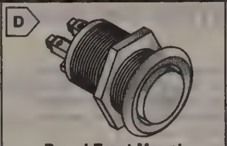
Front Mount - Solder Lug

C



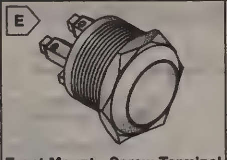
Front Mount - Screw Terminal

D



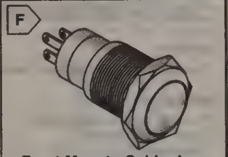
Proud Front Mount
Screw Terminal

E



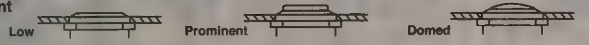
Front Mount - Screw Terminal

F

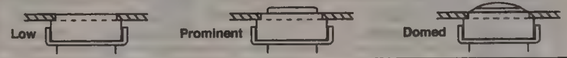


Front Mount - Solder Lug

Front Mount



Rear Mount



BULGIN VANDAL-RESISTANT SWITCHES

Specifications:

- Contact Resistance: <15mΩ
- Insulation Resistance: >1000MΩ
- Stainless Steel Manufacturing
- Termination: Solder Lug or Screw Terminal

RoHS Compliant

∗ 117-MP0033 internally sealed against ingress of water and dust.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Profile	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0034	MP0034	A	Low	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None	13.34	12.80	12.20	10.18
117-MP0031	MP0031	B	Low	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	13.75	12.98	12.20	10.18
117-MP0037	MP0037	C	Low	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	9.14	8.60	8.06	7.53
117-MP0025	MP0025	A	Low	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None	15.28	14.41	13.55	11.32
117-MP0027	MP0027	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	None	15.28	14.41	13.55	11.32
117-MP0038	MP0038	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	15.34	14.48	13.65	11.40
117-MP0034/3	MP0034/3	A	Domed	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None	17.17	15.77	14.02	11.71
117-MP0031/3	MP0031/3	B	Domed	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	17.17	15.77	14.02	11.71
117-MP0037/3	MP0037/3	C	Domed	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	12.68	11.64	10.35	8.64
117-MP0025/3	MP0025/3	A	Domed	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None	18.07	16.60	14.75	12.32
117-MP0027/3	MP0027/3	B	Domed	28	SPCO	On-(On)	5A/250VAC	Front Panel	None	18.07	16.60	14.75	12.32
117-MP0038/3	MP0038/3	B	Domed	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	18.81	17.27	15.35	12.82
117-MP0034/2	MP0034/2	A	Prominent	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None	17.17	15.77	14.02	11.71
117-MP0031/2	MP0031/2	B	Prominent	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	17.17	15.77	14.02	11.71
117-MP0037/2	MP0037/2	C	Prominent	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	12.68	11.64	10.35	8.64
117-MP0025/2	MP0025/2	A	Prominent	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None	18.07	16.60	14.75	12.32
117-MP0027/2	MP0027/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	None	18.07	16.60	14.75	12.32
117-MP0038/2	MP0038/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	18.81	17.27	15.35	12.82
117-MP0013	MP0013	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	None	6.57	6.20	5.84	4.88
117-MP0033	MP0033	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	∗	10.70	10.16	9.51	7.94

BULGIN 16MM NON-ILLUMINATED PUSHBUTTON SWITCHES

RoHS Compliant

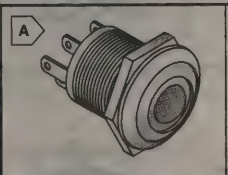
Specifications:

- Contact Resistance: 50mΩ @ 1A, 2VDC
- Dielectric Strength: >2.0K VAC
- 16mm dia. Mounting Hole
- Stainless Steel Manufacturing

For quantities of 250 and up, call for quote.

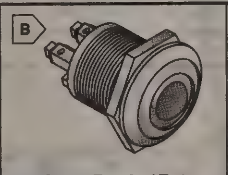
117-MP0042/1	MP0042/1	E	Low	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None	7.60	7.20	6.99	6.61
117-MP0045/1D0NN000	MP0045/1D0NN000	F	Low	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	11.00	10.46	10.01	9.57
117-MP0045/1E0NN000	MP0045/1E0NN000	F	Low	18	DPCO	On-On	3A/250VAC	Front Panel	None	11.50	11.00	10.59	10.01
117-MP0042/2	MP0042/2	E	Domed	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None	7.60	7.20	6.99	6.61
117-MP0042/3	MP0042/3	E	Prominent	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None	7.60	7.20	6.99	6.61
117-MP0045/3D0NN000	MP0045/3D0NN000	F	Prominent	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	11.00	10.46	10.01	9.57
117-MP0045/3E0NN000	MP0045/3E0NN000	F	Prominent	18	DPCO	On-On	3A/250VAC	Front Panel	None	11.50	11.00	10.59	10.01

A



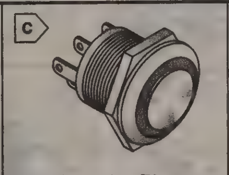
Solder Lug/Dot

B



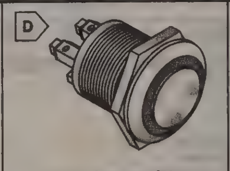
Screw Terminal/Dot

C



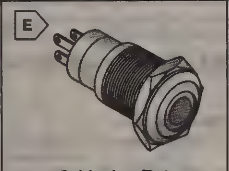
Solder Lug/Ring

D



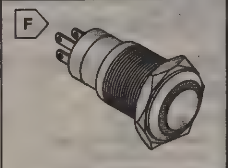
Screw Terminal/Ring

E



Solder Lug/Dot

F



Solder Lug/Ring

BULGIN ILLUMINATED VANDAL-RESISTANT SWITCHES

Specifications:

- Contact Resistance: <100mΩ
- Insulation Resistance: >1000MΩ
- Operating Temperature: -30°C to +70°C
- Mechanical Operations: 750,000 min
- Electrical Operations: 35,000 min

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Color/Type	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MPI001/28/BL	MPI001/28/BL	A	Blue/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	20.85	19.15	17.02	14.21
117-MPI001/28/GN	MPI001/28/GN	A	Green/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	18.81	17.27	15.35	12.82
117-MPI001/28/RD	MPI001/28/RD	A	Red/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	18.81	17.27	15.35	12.82
117-MPI001/TERM/BL	MPI001/TERM/BL	B	Blue/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	21.47	19.71	17.52	14.63
117-MPI001/TERM/GN	MPI001/TERM/GN	B	Green/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	19.42	17.84	15.85	13.24
117-MPI001/TERM/RD	MPI001/TERM/RD	B	Red/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	19.42	17.84	15.85	13.24
117-MPI002/28/BL	MPI002/28/BL	C	Blue/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	20.85	19.15	17.02	14.21
117-MPI002/28/GN	MPI002/28/GN	C	Green/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	18.81	17.27	15.35	12.82
117-MPI002/28/RD	MPI002/28/RD	C	Red/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	18.81	17.27	15.35	12.82
117-MPI002/TERM/BL	MPI002/TERM/BL	D	Blue/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	21.47	19.71	17.52	14.63
117-MPI002/TERM/GN	MPI002/TERM/GN	D	Green/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	19.42	17.84	15.85	13.24
117-MPI002/TERM/RD	MPI002/TERM/RD	D	Red/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	19.42	17.84	15.85	13.24

BULGIN 16MM ILLUMINATED PUSHBUTTON SWITCHES

RoHS Compliant

Specifications:

- Contact Resistance: 50mΩ @ 1A, 2VDC
- 16mm dia. Mounting Hole
- Mechanical Operations: 200,000 min
- Electrical Operations: 30,000 min

For quantities of 250 and up, call for quote.

117-MP0045/1D1RD012	MP0045/1D1RD012	E	Red/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.20	12.62	12.15	11.48
117-MP0045/1D1GN012	MP0045/1D1GN012	E	Green/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.20	12.62	12.15	11.48
117-MP0045/1D1BL012	MP0045/1D1BL012	E	Blue/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.20	12.62	12.15	11.48
117-MP0045/1E1RD012	MP0045/1E1RD012	E	Red/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.90	13.29	12.79	12.09
117-MP0045/1E1GN012	MP0045/1E1GN012	E	Green/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.90	13.29	12.79	12.09
117-MP0045/1E1BL012	MP0045/1E1BL012	E	Blue/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.90	13.29	12.79	12.09
117-MP0045/1D2RD012	MP0045/1D2RD012	F	Red/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.20	12.62	12.15	11.48
117-MP0045/1D2GN012	MP0045/1D2GN012	F	Green/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.20	12.62	12.15	11.48
117-MP0045/1D2BL012	MP0045/1D2BL012	F	Blue/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.20	12.62	12.15	11.48
117-MP0045/1E2RD012	MP0045/1E2RD012	F	Red/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.90	13.29	12.79	12.09
117-MP0045/1E2GN012	MP0045/1E2GN012	F	Green/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.90	13.29	12.79	12.09
117-MP0045/1E2BL012	MP0045/1E2BL012	F	Blue/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.90	13.29	12.79	12.09

C&K Pushbutton Switches

C&K

C&K EP SERIES: SEALED TINY PUSHBUTTON SWITCHES

Features:

- Epoxy sealed against solder & cleaning processes

Applications:

- Telecommunication equipment
- Computer peripherals
- Instrumentation

Specifications:

- Contact material: B - Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  P - Cu alloy, w/ Au plate over Ni plate, matte tin plate terminal
- Contact rating: B & P - 0.4VA @ 20VAC or DC max.
- Plunger material: Thermoplastic polyester or glass filled nylon (UL 94V-0) with o-ring seal
- IP67 degree of protection

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-EP11-003	EP11SD1CBE	A	SPST	(On)-Off	B	3.49	3.33	3.16	3.00
611-EP12-003	EP12SD1CBE	A	SPDT	(On)-On	B	4.54	4.33	4.12	3.91
611-EP21-003	EP21SD1CBE	B	DPST	(On)-Off	B	6.64	6.33	6.03	5.72
Right-Angle PC Thru-Hole									
611-EP11-009	EP11FPD1ABE	C	SPST	(On)-Off	B	3.87	3.69	3.51	3.33
611-EP11-001	EP11SD1ABE	D	SPST	(On)-Off	B	3.87	3.69	3.51	3.33
611-EP11-002	EP11SD1AVBE	E	SPST	(On)-Off	B	4.05	3.86	3.67	3.48
611-EP12-001	EP12SD1ABE	D	SPDT	(On)-On	B	4.92	4.69	4.46	4.23
611-EP12-011	EP12SD1AVBE	E	SPDT	(On)-On	B	5.10	4.86	4.63	4.39
611-EP21-001	EP21SD1ABE	F	DPST	(On)-Off	B	7.36	7.02	6.67	6.33
Right-Angle Surface Mount									
611-EP11-004P	EP11SD1SAPE	G	SPST	(On)-Off	P	4.59	4.37	4.16	3.95
611-EP12-004P	EP12SD1SAPE	G	SPDT	(On)-On	P	5.51	5.04	4.41	3.78

C&K TP SERIES: TINY PUSHBUTTON SWITCHES

Features:

- Subminiature size capable of switching up to 1A

Applications:

- Telecommunication equipment
- Computer peripherals
- Instrumentation

Specifications:

- Contact material: B - Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  Q - Cu alloy, w/ Ag plate, Ag plate terminal
- Contact rating: B - 0.4VA @ 20VAC or DC max.
  Q - 1A @ 120VAC or 28VDC
- Plunger material: Thermoplastic polyester (UL 94V-0)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-TP11-005	TP11SH9CBE	H	SPST	(On)-Off	B	3.24	3.09	2.94	2.79
Right-Angle PC Thru-Hole									
611-TP11-006	TP11SH8ABE	I	SPST	(On)-Off	B	3.67	3.50	3.33	3.16
611-TP11-004	TP11SH9ABE	I	SPST	Off-(On)	B	5.69	5.38	4.92	4.77
611-TP11-009	TP11SH9AVBE	J	SPST	Off-(On)	B	3.67	3.50	3.33	3.16
611-TP12-006	TP12SH8ABE	K	SPDT	(On)-On	B	4.81	4.59	4.36	4.14
611-TP12-007	TP12SH8AQE	I	SPDT	(On)-On	Q	4.79	4.56	4.34	4.12
611-TP12-008	TP12SH8AVBE	L	SPDT	(On)-On	B	4.81	4.59	4.36	4.14
611-TP12-004	TP12SH9ABE	K	SPDT	(On)-On	B	4.81	4.59	4.36	4.14
611-TP12-009	TP12SH9AVBE	J	SPDT	(On)-On	B	7.36	6.97	6.58	6.20
Solder Lug									
611-TP11-002	TP11SHZQE	M	SPST	Off-(On)	Q	3.11	2.96	2.82	2.68

C&K GP SERIES: SEALED ULTRAMINIATURE PUSHBUTTON SWITCHES

Features:

- Sealed construction - internal o-ring and epoxy base

Applications:

- Telecommunication equipment
- Computer peripherals
- Instrumentation

Specifications:

- Contact material: B - Cu alloy, w/ Au plate over Ni plate, matte tin plate terminal
- Contact rating: B - 0.4VA @ 20VAC or DC max.
- Mechanical and Electrical Life: 40,000 cycles at full load
- IP57 degree of protection

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each			
						1	25	100	250
611-GP11-001B	GP11MABE	N	SPST	Off-(On)	K	4.72	4.50	4.28	4.06
611-GP11-002	GP11MCBE	O	SPST	Off-(On)	K	4.16	3.97	3.77	3.58

C&K E020 SERIES: SEALED SNAP-ACTING PUSHBUTTON SWITCHES

Features:

- Sealed construction - internal o-ring & epoxy base

Applications:

- Telecommunication equipment
- Computer peripherals
- Instrumentation

Specifications:

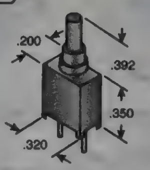
- Contact material: B - Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  G - Coin Ag, w/ Au plate over Ni plate, Au plate terminal
- Contact rating: B - 0.4VA @ 20VAC or DC max.
  G - 0.4VA @ 20VAC or DC max., or 1A @ 120VAC
- Vinyl splashproof boot supplied standard. Discard only after soldering and cleaning processes are complete

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-E121-001	E121SD1CGE	P	SPDT	On-(On)	G	6.89	6.57	6.25	5.93
611-E221-001	E221SD1CGE	Q	DPDT	On-(On)	G	11.07	10.56	10.04	9.53
Right-Angle PC Thru-Hole									
611-E121-002	E121SD1AGE	R	SPDT	On-(On)	G	7.31	6.97	6.63	6.29
611-E121-003	E121SD1AV2GE	S	SPDT	On-(On)	G	7.45	7.10	6.76	6.41
611-E125-004	E125SD1ABE	R	SPDT	On-(On)	B	5.21	4.97	4.73	4.48
V-Bracket									
611-E121-006	E121SD1V3GE	T	SPDT	On-(On)	G	7.76	7.40	7.04	6.68

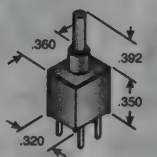
Dimensions: in.

A

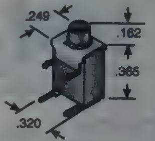


(SPST Shown)

B

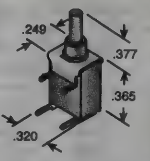


C



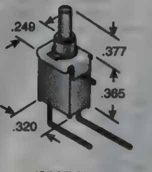
(SPST Shown)

D



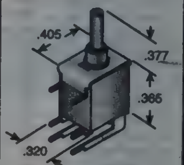
(SPST Shown)

E

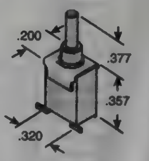


(SPST Shown)

F

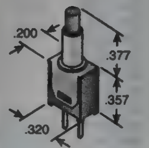


G

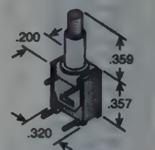


(SPST Shown)

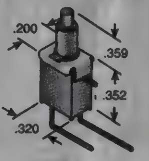
H



I

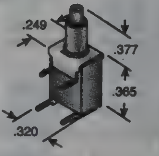


J



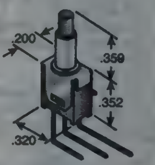
(SPST Shown)

K

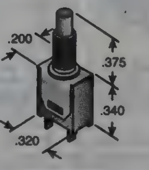


(SPST Shown)

L

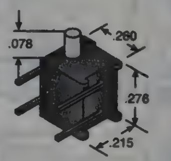


M

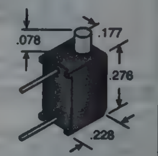


(SPST Shown)

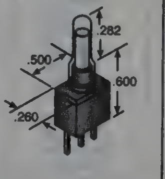
N



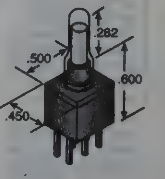
O



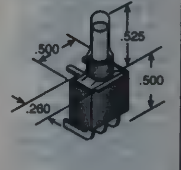
P



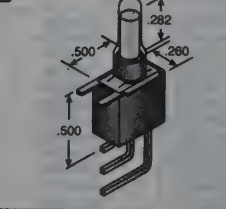
Q



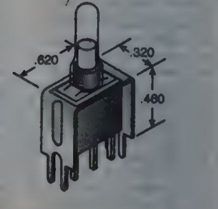
R



S



T



C&K Pushbutton Switches

C&K 8020 SERIES: SNAP-ACTING MOMENTARY PUSHBUTTON SWITCHES

Features:
- Positive tactile feel
- Epoxy sealed

Applications:
- Telecommunication equipment
- Computer peripherals

Specifications:
- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
  G- 0.4VA @ 20VAC or DC max., or 1A @ 120VAC

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-8121-222	8121SHCGE	A	SPDT	On - (On)	G	6.84	6.53	6.08	5.77
611-8125-222	8125SHCBE	A	SPDT	On - (On)	B	4.54	4.34	4.04	3.83
Right-Angle PC Thru-Hole									
611-8121-231	8121SD9AGE	B	SPDT	On - (On)	G	7.28	6.96	6.47	6.15
611-8121-290	8121SD9AV2GE	C	SPDT	On - (On)	G	7.42	7.09	6.60	6.27
611-8125-232	8125SD9AV2BE	C	SPDT	On - (On)	B	5.13	4.90	4.56	4.33
Solder Lug									
611-8121-221	8121SHZGE	D	SPDT	On - (On)	G	6.72	6.42	5.97	5.67
611-8125-231	8125SD9ABE	B	SPDT	On - (On)	B	4.99	4.76	4.43	4.21
611-8125-241	8125SHZBE	D	SPDT	On - (On)	B	4.42	4.23	3.93	3.74
611-8121-211	8121J81ZGE22	E	SPDT	On - (On)	G	7.65	7.31	6.80	6.46
611-8125-211	8125J81ZBE22	E	SPDT	On - (On)	B	5.36	5.12	4.77	4.53
611-8221-211	8221J81ZGE22	E	DPDT	On - (On)	G	11.31	10.80	10.05	9.55
611-8121-311	8121J83ZGE22	F	SPDT	On - (On)	G	7.65	7.31	6.80	6.46
V-Bracket									
611-8121-236	8121SD9V3GE	G	SPDT	On - (On)	G	7.23	6.91	6.43	6.11
611-8125-223	8125SD3V3BE	G	SPDT	On - (On)	B	4.94	4.72	4.39	4.17

C&K 8060 SERIES: ALTERNATE ACTION PUSHBUTTON SWITCHES

Features:
- Epoxy sealed
- Long electrical life (50,000 cycles @ full load)

Applications:
- Telecommunication equipment
- Computer peripherals
- Instrumentation

Specifications:
- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal
  Q- Cu alloy, w/ Au plate, Ag plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
  G- 0.4VA @ 20VAC or DC max., or 1A @ 120VAC
  Q- 6A @ 120VAC or 28VDC; 3A @ 250VAC

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each			
						1	25	100	250
Right-Angle PC Thru-Hole									
611-8168-221	8168SH9ABE2	H	SPDT	On-(On)	B	5.36	5.12	4.77	4.53
Solder Lug									
611-8161-201	8161SHZQE2	I	SPDT	On-On	Q	4.77	4.56	4.24	4.03
611-8168-203	8168LHZQE2	I	SPDT	On-(On)	Q	4.77	4.56	4.24	4.03
611-8168-202	8168SHZGE2	I	SPDT	On-(On)	G	5.10	4.88	4.54	4.31
611-8168-201	8168SHZQE2	I	SPDT	On-(On)	Q	4.77	4.56	4.24	4.03
611-8261-202	8261SHZGE2	I	DPDT	On-On	G	9.81	9.37	8.72	8.28
611-8261-201	8261SHZQE2	I	DPDT	On-On	Q	8.69	8.30	7.72	7.33

C&K 8500 SERIES: SUBMINIATURE PUSHBUTTON SWITCHES

Features:
- Reliable contact design
- Epoxy Sealed

Applications:
- Telecommunication equipment
- Computer peripherals
- Instrumentation

Specifications:
- Contact Material: Q- Coin Ag, w/ Ag plate, Ag plate terminal
  B- Cu alloy, w/ Ag plate over Ni plate, Ag plate terminal
- Contact Rating: Q- (853x models) - 1A @ 120VAC or 28VDC
  Q- (855x models) - 3A @ 120VAC or 28VDC
  B- 0.4VA @ 20VAC or DC max.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-8531-251	8531MCQE2	J	SPST	(On)-Off	Q	3.60	3.44	3.20	3.04
611-8533-251	8533MCQE2	J	SPST	On-(Off)	Q	4.03	3.85	3.58	3.40
Solder Lug									
611-8531-252	8531MZQE2	K	SPST	(On)-Off	Q	3.49	3.33	3.10	2.95
611-8532-252	8532MZQE2	L	SPST	(On)-Off	Q	3.49	3.33	3.10	2.95
611-8551-252	8551MZQE2	L	SPST	(On)-Off	Q	3.49	3.33	3.10	2.95
611-8532-261	8532T1ZBE2	M	SPST	(On)-Off	B	4.19	4.00	3.72	3.54

C&K 8600 SERIES: MICROMINIATURE PUSHBUTTON SWITCHES

Features:
- Ideal for applications where space is limited
- Hardware included: nut, brass or nickel plated

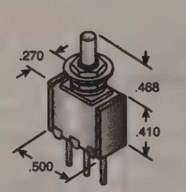
Specifications:
- Contact Material: Q- Coin Ag, w/ Ag plate, Ag plate terminal
- Contact Rating: Q- 500mA @ 120VAC or 28VDC

For quantities 500 and up, call for quote.

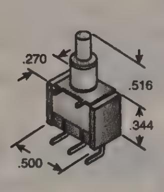
MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-8631-261	8631CQD2	N	SPST	(On)-Off	Q	4.38	4.18	3.89	3.70
611-8632-261	8632CQD2	O	SPST	(On)-Off	Q	4.38	4.18	3.89	3.70
Solder Lug									
611-8631-252	8631ZQD2	P	SPST	(On)-Off	Q	4.26	4.07	3.79	3.60
611-8632-252	8632ZQD2	Q	SPST	(On)-Off	Q	4.26	4.07	3.79	3.60

Dimensions: in.

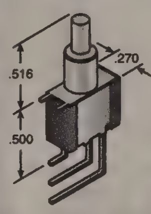
A



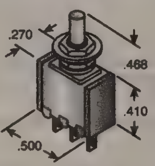
B



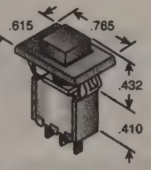
C



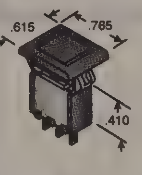
D



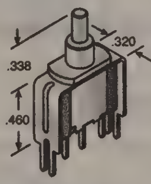
E



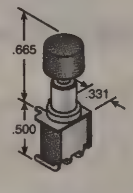
F



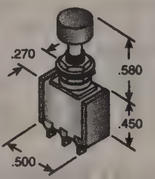
G



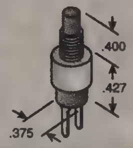
H



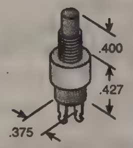
I



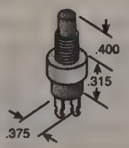
J



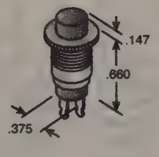
K



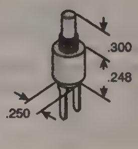
L



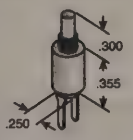
M



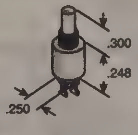
N



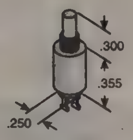
O



P



Q



CARLING TECHNOLOGIES Pushbutton Switches

CARLING 170/172 SERIES HEAVY ACTION PUSHBUTTON SWITCHES

Features:

- Power Rating: 15A @ 125VAC, 10A @ 250VAC
- Actuator Style: Nickel Plated Pushbutton
- Actuator Material: Brass / Nickel Plate
- Actuation Force: 2.5 lbs.
- Mounting Hole Dimensions: .500" diameter; 12.70 mm diameter
- Mounting Method: Bushing Mount

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Price Each			
					1	25	50	100
691-170	170	A	SP, ON-(OFF)	Screw Term.	9.33	6.71	6.15	5.41
691-172	172	A	SP, OFF-(ON)	Screw Term.	9.33	6.71	6.15	5.41

CARLING 641 SERIES MAINTAINED PUSHBUTTON SWITCHES

Features:

- Power Rating: 5A @ 125VAC, 2A @ 250VAC
- Actuator Style: Nickel Plated Pushbutton
- Actuator Material: Brass / Nickel Plate
- Actuation Force: 3-3.5 lbs.
- Mounting Hole Dimensions: .500" diameter; 12.70 mm diameter
- Mounting Method: Bushing Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Price Each			
					1	25	50	100
691-64111210	64111210	B	SP, ON-OFF	Solder Lug	6.18	4.45	4.08	3.58
691-64112210	64112210	B	DP, ON-OFF	Solder Lug	10.45	7.52	6.90	6.06
691-64111220	64111220	B	SP, ON-ON	Solder Lug	8.93	6.43	5.89	5.18
691-64112220	64112220	B	DP, ON-ON	Solder Lug	14.83	10.67	9.78	8.60

CARLING 110/316 SERIES HEAVY DUTY PUSHBUTTON SWITCHES

Features:

- Actuator Style: Nickel Plated Pushbutton
- Actuator Material: Brass / Nickel Plate
- Actuation Force: 3-3.5 lbs.
- Mounting Hole Dimensions: .500" diameter; 12.70 mm diameter
- Mounting Method: Bushing Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Price Each			
					1	25	50	100
Power Rating: 6A @ 125V 3A @ 250V								
691-110-P	110-P	C	SP, OFF-ON	Solder Lug (end)	8.45	6.08	5.58	4.90
691-110-SP	110-SP	C	SP, OFF-ON	Screw Term. (#6-32NC-2)	8.73	6.28	5.76	5.06
691-111-PM-ON	111-PM-ON	C	SP, ON-(OFF)	Wire Leads	14.13	10.17	9.32	8.19
Power Rating: 3A @ 125V 1A @ 250V								
691-112-P	112P	C	SP, ON-ON	Solder Lug (end)	11.90	8.95	7.85	6.90
691-316-PP	316-PP	C	DP, ON-ON	Solder Lug (end)	19.63	14.13	12.95	11.38
691-316-B-PP	316-B-PP	D	DP, ON-ON	Solder Lug (bottom)	19.63	14.13	12.95	11.38

CARLING P26/27 SERIES MOMENTARY PUSHBUTTON SWITCHES

Features:

- Power Rating: 6A @ 125VAC; 3A @250VAC; 3/4A 125V
- Actuation Force: P26 - 13 oz.; P27 - 26 oz.
- Mounting Hole Dimensions: .500" diameter; 12.70 mm diameter
- Mounting Method: Bushing Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Button Style/Color	Price Each			
						1	25	50	100
691-P26A-1D-BL	P26A-1D-BL	E	SP, OFF-(ON)	Solder Lug	Nylon/Black	4.83	3.47	3.18	2.80
691-P26A-1D-RND-MTL	P26A-1D-RND-MTL	E	SP, OFF-(ON)	Solder Lug	Round/Metal	6.40	4.61	4.22	3.71
691-P26L-1D-RND-MTL	P26L-1D-RND-MTL	E	SP, ON-(OFF)	Solder Lug	Round/Metal	6.40	4.61	4.22	3.71
691-P27A-BL	P27A-BL	F	SP, OFF-(ON)	Solder Lug	Nylon/Black	5.30	3.82	3.50	3.07
691-P27B-BL	P27B-BL	F	SP, OFF-(ON)	.250 Q.C. Tab	Nylon/Black	5.30	3.82	3.50	3.07
691-P27L-BL	P27L-BL	F	SP, ON-(OFF)	Solder Lug	Nylon/Black	5.30	3.82	3.50	3.07

CARLING P SERIES HEAVY DUTY PUSHBUTTON SWITCHES

Features:

- Power Rating: PA351 - 15A @ 125VAC, 10A @ 250VAC; PA951 - 15A @ 125VAC, 10A @ 250VAC, 10A(6) 250Vμ T85
- Actuator Style: Nickel Plated Pushbutton
- Actuator Material: Brass / Nickel Plate
- Actuation Force: 3-5 lbs.
- Mounting Hole Dimensions: .550" diameter; 13.97 mm diameter
- Mounting Method: Bushing Mount

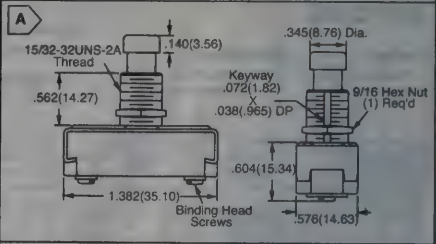
*

For quantities of 500 and up, call for quote.

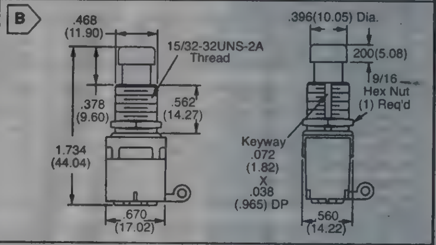
MOUSER STOCK NO.	Carling Tech. Part No.	Fig.	Circuit	Termination	Price Each			
					1	25	50	100
691-PA351	PA351	G	SP, ON-OFF	.250 Q.C. Tab	9.33	6.71	6.15	5.41
* 691-PA951	PA951	G	SP, ON-OFF	.250 Q.C. Tab	9.63	6.93	6.35	5.58

DIMENSIONS: In. (mm)

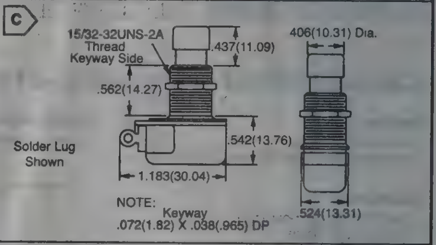
A


15/32-32UNS-2A Thread
.140(3.56)
.345(8.76) Dia.
Keyway .072(1.82) X .038(.965) DP
.562(14.27)
9/16 Hex Nut (1) Req'd
.604(15.34)
1.382(35.10)
Binding Head Screws
.576(14.63)

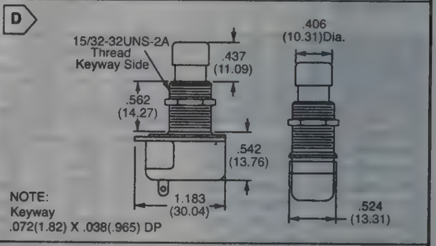
B


.468 (11.90)
.396(10.05) Dia.
15/32-32UNS-2A Thread
.200(5.08)
9/16 Hex Nut (1) Req'd
.378 (9.60)
.562 (14.27)
1.734 (44.04)
Keyway .072 (1.82) X .038 (.965) DP
.670 (17.02)
.560 (14.22)

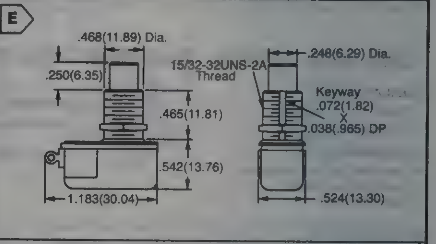
C


15/32-32UNS-2A Thread Keyway Side
.437(11.09)
.406(10.31) Dia.
.562(14.27)
.542(13.76)
Solder Lug Shown
1.183(30.04)
NOTE: Keyway .072(1.82) X .038(.965) DP
.524(13.31)

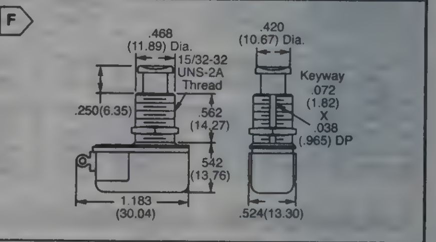
D


15/32-32UNS-2A Thread Keyway Side
.437 (11.09)
.406 (10.31)Dia.
.562 (14.27)
.542 (13.76)
1.183 (30.04)
NOTE: Keyway .072(1.82) X .038(.965) DP
.524 (13.31)

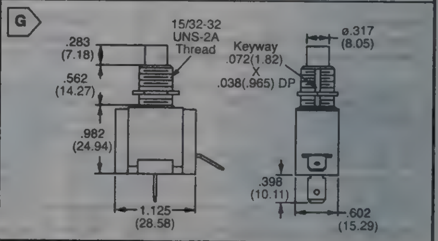
E


.468(11.89) Dia.
.248(6.29) Dia.
15/32-32UNS-2A Thread
.250(6.35)
Keyway .072(1.82) X .038(.965) DP
.465(11.81)
.542(13.76)
1.183(30.04)
.524(13.30)

F


.468 (11.89) Dia.
.420 (10.67) Dia.
15/32-32 UNS-2A Thread
Keyway .072 (1.82) X .038 (.965) DP
.250(6.35)
.562 (14.27)
.542 (13.76)
1.183 (30.04)
.524(13.30)

G


.283 (7.18)
15/32-32 UNS-2A Thread
ø.317 (8.05)
Keyway .072(1.82) X .038(.965) DP
.562 (14.27)
.982 (24.94)
.398 (10.11)
1.125 (28.58)
.602 (15.29)

E-SWITCH 320 SERIES MOMENTARY PUSHBUTTON SWITCHES

Specifications:

- Contact rating: 25mA
- Contact resistance: 50mΩ initially
- Operating force: 120 ± 50gf
- Travel: .7mm
- Contact form: SPST
- Voltage rating: 50VDC
- 320.02E1-1.09 has 15.88mm diameter cap
- 320.02E1-1.094 has 11.88mm square cap

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Cap Color	Price Each					
				1	10	50	100	200	500
612-320.02E11.08BK	320.02E1-1.08BLK	A	Black	2.70	2.43	2.07	1.62	1.29	1.11
612-320.02E11.08GY	320.02E1-1.08GRY	A	Gray	3.06	2.75	2.35	1.84	1.29	1.11
612-320.02E11.08RD	320.02E1-1.08RED	A	Red	2.70	2.43	2.07	1.62	1.29	1.11
612-320.02E11.08WT	320.02E1-1.08WHT	A	White	2.70	2.43	2.07	1.62	1.29	1.11
612-320.02E11.08YL	320.02E1-1.08YEL	A	Yellow	2.70	2.43	2.07	1.62	1.29	1.11
612-320.02E11.08BL	320.02E1-1.08BLU	A	Blue	2.70	2.43	2.07	1.62	1.29	1.11
612-320.02E11.08GN	320.02E1-1.08GRN	A	Green	2.70	2.43	2.07	1.62	1.29	1.11
612-320.02E11.09BK	320.02E1-1.09BLK	A	Black	2.82	2.54	2.16	1.69	1.29	1.11
612-320.02E11.09GY	320.02E1-1.09GRY	A	Gray	2.82	2.54	2.16	1.69	1.29	1.11
612-320.02E11.09YL	320.02E1-1.09YEL	A	Yellow	2.82	2.54	2.16	1.69	1.29	1.11
612-320.02E11.09BL	320.02E1-1.09BLU	A	Blue	2.82	2.54	2.16	1.69	1.29	1.11
612-320.02E11.09RD	320.02E1-1.09RED	A	Red	2.82	2.54	2.16	1.69	1.29	1.11
612-320.02E11.09GN	320.02E1-1.09GRN	A	Green	2.82	2.54	2.16	1.69	1.29	1.11
612-320.02E11.09WT	320.02E1-1.09WHT	A	White	2.82	2.54	2.16	1.69	1.29	1.11
612-320.02E11094BK	320.02E1-1.094BLK	B	Black	2.64	2.38	2.02	1.58	1.29	1.11
612-320.02E11094GY	320.02E1-1.094GRY	B	Gray	2.64	2.38	2.02	1.58	1.29	1.11
612-320.01E1-1GRY	320.01E1-1GRY	B	Gray	2.13	1.92	1.63	1.28	1.34	1.15
612-320.01E1-1RED	320.01E1-1RED	B	Red	2.13	1.92	1.63	1.28	1.34	1.15
612-320.01E1-1WHT	320.01E1-1WHT	B	White	2.13	1.92	1.63	1.28	1.34	1.15
612-320.01E1-1YEL	320.01E1-1YEL	B	Yellow	2.13	1.92	1.63	1.28	1.29	1.11
612-320.01E1-1BLU	320.01E1-1BLU	B	Blue	2.13	1.92	1.63	1.28	1.29	1.11
612-320.01E1-1GRN	320.01E1-1GRN	B	Green	2.13	1.92	1.63	1.28	1.29	1.11
612-320E1-1BLK	320E1-1BLK	C	Black	2.13	1.92	1.63	1.28	1.34	1.15
612-320E1-1GRY	320E1-1GRY	C	Gray	2.13	1.92	1.63	1.28	1.34	1.15
612-320E1-1RED	320E1-1RED	C	Red	2.13	1.92	1.63	1.28	1.34	1.15
612-320E1-1WHT	320E1-1WHT	C	White	2.13	1.92	1.63	1.28	1.34	1.15
612-320E1-1YEL	320E1-1YEL	C	Yellow	2.13	1.92	1.63	1.28	1.34	1.15
612-320E1-1BLU	320E1-1BLU	C	Blue	2.13	1.92	1.63	1.28	1.34	1.15
612-320E1-1GRN	320E1-1GRN	C	Green	2.13	1.92	1.63	1.28	1.34	1.15
612-320.22E1-1BLK	320.22E1-1BLK	D	Black	2.16	1.94	1.66	1.30	1.34	1.15
612-320.22E1-1GRY	320.22E1-1GRY	D	Gray	2.16	1.94	1.66	1.30	1.34	1.15
612-320.22E1-1WHT	320.22E1-1WHT	D	White	2.16	1.94	1.66	1.30	1.34	1.15
612-320.22E1-1YEL	320.22E1-1YEL	D	Yellow	2.16	1.94	1.66	1.30	1.34	1.15
612-320.22E1-1BLU	320.22E1-1BLU	D	Blue	2.16	1.94	1.66	1.30	1.34	1.15
612-320.22E1-1GRN	320.22E1-1GRN	D	Green	2.16	1.94	1.66	1.30	1.34	1.15
612-320.21E1-1BLK	320.21E1-1BLK	E	Black	2.22	2.00	1.70	1.33	1.34	1.15
612-320.21E1-1GRY	320.21E1-1GRY	E	Gray	2.22	2.00	1.70	1.33	1.34	1.15
612-320.21E1-1YEL	320.21E1-1YEL	E	Yellow	2.22	2.00	1.70	1.33	1.34	1.15
612-320.21E1-1BLU	320.21E1-1BLU	E	Blue	2.22	2.00	1.70	1.33	1.34	1.15
612-320.21E1-1GRN	320.21E1-1GRN	E	Green	2.22	2.00	1.70	1.33	1.34	1.15

E-SWITCH TL SERIES PUSHBUTTON SWITCHES

- Contact rating: 0.1A/30VDC
- Contact resistance: 100mΩ max

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit Action	Contact Form	Price Each				
					1	10	50	100	200
612-TL2285OA	TL2285OA	F	Momentary	DPDT	.90	.81	.69	.54	.73
612-TL2285EE	TL2285EE	F	Latching	DPDT	.90	.81	.69	.54	.73
612-TL4201OAYA	TL4201OAYA	G	Momentary	4PDT	1.95	1.76	1.50	1.17	1.56
612-TL4201EEYA	TL4201EEYA	G	Latching	4PDT	1.95	1.76	1.50	1.17	1.56

E-SWITCH P197/P227 SERIES

Power Pushbutton Switches

RoHS Compliant

Specifications:

- Contact rating for **P197 series**: 5A @ 250VAC
- Contact rating for **P227 series**: 7A @ 250 VAC
- Mechanical configuration: latching

For quantities of 500 and up, call for quote.

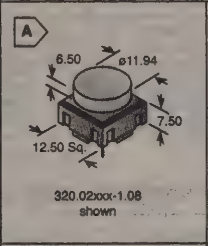
MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Form	Termination	Bracket Type	Circuit Action	Price Each				
							1	10	50	100	200
612-P197SBEE	P197EESB	H	SPST-NO	Solder Lug	Threaded	Latching	2.81	2.53	2.16	1.69	1.59
612-P227EEB18	P227EE2B18	I	DPDT	Panel Mount	Threaded	Latching	3.24	2.92	2.48	1.94	2.16

Accessories

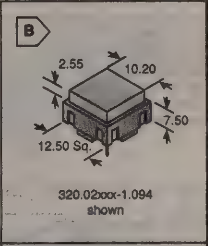
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Color	For Use With These Specific Pushbutton and Tactile Series	Price Each				
					1	10	50	100	200
612-1C-BK	1C-BLK	K	Black	MTH, TL1105JA. TL1105SP, TL2285, TL3301SP	.21	.19	.16	.13	.11
612-1C-GR	1C-DGR	K	Gray		.21	.19	.16	.13	.11
612-TAD-BLK	TAD-BLK	K	Black	320.02, 520.04, TA/LT, TL1100C, TL1100, P197, P227	.32	.28	.24	.19	.18
612-TAM-GRY	TAM-GRY	—	Gray		.32	.28	.24	.19	.18
612-1R-BK	1R-BLK	L	Black	MTH, TL1105JA, TL1105SP, TL3301SP	.21	.19	.16	.13	.11
612-1R-RD	1R-RED	L	Red		.21	.19	.16	.13	.11
612-1RWHT	1R-WHT	L	White		.22	.17	.15	.12	.11
612-TAG-BK	TAG-BLK	M	Black	320.02, 520.04, TA/LT, TL1100C, TL1100, P197, P227	.34	.31	.26	.20	.18
612-TAG-RD	TAG-RED	M	Red		.32	.28	.24	.19	.18
612-4J-BK	4J-BLK	N	Black	320.02, TL1100C, TL100	.15	.14	.12	.09	.11
612-4J-GR	4J-GRY	N	Gray		.15	.14	.12	.09	.11

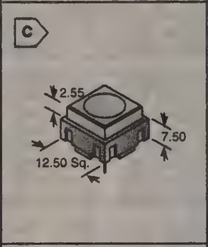
DIMENSIONS: mm

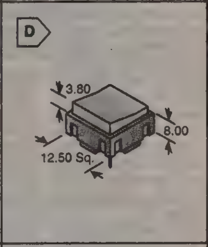


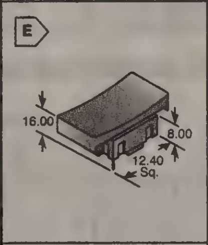
320.02xxx-1.08 shown

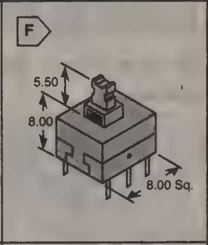


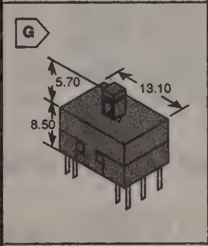
320.02xxx-1.094 shown

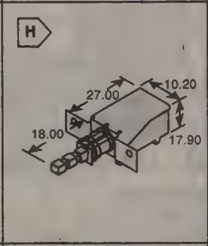


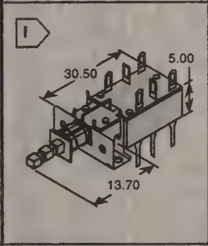


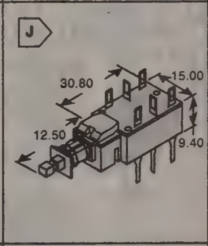


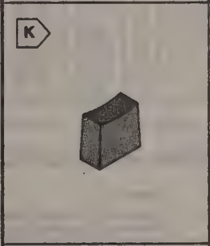


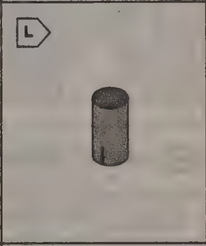


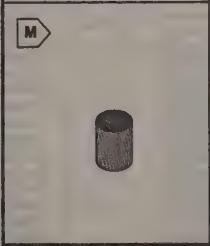


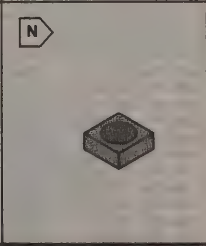












E•SWITCH PS SERIES MOMENTARY PUSHBUTTON SWITCHES

RoHS Compliant

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Form	Contact Rating	Cap/Body Dim. "L"	Cap Color	Price Each				
							1	10	50	100	200
612-PS1040A-RED	PS1040A-RED	A	SPST	3A	14mm	Red	2.22	2.00	1.70	1.33	1.51
612-PS1040A-BLK	PS1040A-BLK	A	SPST	3A	14mm	Black	2.22	2.00	1.70	1.33	1.51
612-PS1057A-RED	PS1057A-RED	B	SPST	1A	14mm	Red	1.62	1.46	1.24	.97	1.02
612-PS1057A-BLK	PS1057A-BLK	B	SPST	1A	14mm	Black	1.62	1.46	1.24	.97	1.02

E•SWITCH RP SERIES PUSHBUTTON SWITCHES

With Plastic Bushing											
612-RP3502A-BLK	RP3502A-BLK	C	SPST-NO	1A	17mm	Black	2.16	1.94	1.66	1.30	1.31
612-RP3502B-BLK	RP3502B-BLK	C	SPST-NC	1A	19.3mm	Black	2.43	2.19	1.86	1.46	1.48
612-RP3502A-RED	RP3502A-RED	C	SPST-NO	1A	17mm	Red	2.16	1.94	1.66	1.30	1.31
612-RP3502B-RED	RP3502B-RED	C	SPST-NC	1A	19.3mm	Red	2.43	2.19	1.86	1.46	1.48
With Metal Bushing											
612-RP3502MA-BLK	RP3502MA-BLK	D	SPST-NO	3A	17mm	Black	3.33	3.00	2.55	2.00	1.94
612-RP3502MB-BLK	RP3502MB-BLK	D	SPST-NC	3A	19.3mm	Black	3.75	3.38	2.88	2.25	2.18
612-RP3502MA-GRN	RP3502MA-GRN	D	SPST-NO	3A	17mm	Green	3.33	3.00	2.55	2.00	1.94
612-RP3502MB-GRN	RP3502MB-GRN	D	SPST-NC	3A	19.3mm	Green	3.75	3.38	2.88	2.25	2.18
612-RP3502MA-YEL	RP3502MA-YEL	D	SPST-NO	3A	17mm	Yellow	3.33	3.00	2.55	2.00	1.94
612-RP3502MB-YEL	RP3502MB-YEL	D	SPST-NC	3A	19.3mm	Yellow	3.75	3.38	2.88	2.25	2.18
612-RP3502MA-RED	RP3502MA-RED	D	SPST-NO	3A	17mm	Red	3.33	3.00	2.55	2.00	1.94
612-RP3502MB-RED	RP3502MB-RED	D	SPST-NC	3A	19.3mm	Red	3.75	3.38	2.88	2.25	2.18
With LED											
612-RP3508BL-RED	RP3508BL-RED	E	SPST	3A	20mm	Red	6.96	6.26	5.34	4.18	3.82
612-RP3508BL-GRN	RP3508BL-GRN	E	SPST	3A	20mm	Green	6.96	6.26	5.34	4.18	3.82
612-RP3508BL-YEL	RP3508BL-YEL	E	SPST	3A	20mm	Yellow	6.96	6.26	5.34	4.18	3.82

E•SWITCH PBH SERIES PUSHBUTTON SWITCHES

RoHS Compliant

Specifications:

- Contact rating: 100mA @ 30VDC
- Contact material: Silver
- Timing: non-shorting
- PC mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Contact Form	Circuit Action	Cap Color	Price Each			
						1	10	50	100
612-PBH2UOANAGX	PBH2UOANAGX	F	DPDT	Momentary	- - -	1.09	.98	.84	.66
612-PBH2UEENAGX	PBH2UEENAGX	F	DPDT	Latching	- - -	1.20	1.08	.92	.72
612-PBH2UEEK	PBH2UEEKZXNAG1RBLK	F	DPDT	Latching	Black	1.65	1.49	1.27	.99
*612-PBH4UEENA	PBH4UEENAGX	F	4PDT	Latching	- - -	1.38	1.24	1.06	.83
612-PBH2UOAK	PBH2UOAKZXSAGX	F	DPDT	Momentary	- - -	1.42	1.28	1.09	.85
*612-PBH2UEEN	PBH2UEENAG1DWHT	F	DPDT	Latching	White	1.44	1.29	1.10	.86
612-PBH6UEEN	PBH6UEENAG1DBLK	F	6PDT	Latching	Black	1.89	1.70	1.45	1.13
612-PBMTH4UOANAGX	PBH4UOANAGX	F	4PDT	Momentary	- - -	1.27	1.17	1.04	.93
612-PBH4UEEK	PBH4UEEKZXNAG1SBLK	F	4PDT	Latching	Black	1.83	1.64	1.40	1.10
*612-PBH6UEENA	PBH6UEENAGVX	F	6PDT	Latching	- - -	2.19	1.97	1.68	1.32

* Gold plated contacts

E•SWITCH 5500 AND 5511 SERIES PUSHBUTTON SWITCHES

Specifications:

- Contact rating: 12mA
- Operating force: <200gf
- Contact resistance: <50m Ω
- Contact material: gold plated copper alloy
- Voltage rating: 24VDC
- Contact form: SPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Cap Style	Cap Color	LED(s) Color	Dimensions L x W x H	Price Each				
							1	10	50	100	200
5500 Series											
612-5501M1X	5501M1X	G	Small	Black	None	17.1 x 12.3 x 14.3	3.90	3.51	2.99	2.34	2.44
612-5501M2X	5501M2X	G	Small	Gray	None	17.1 x 12.3 x 14.3	3.90	3.51	2.99	2.34	2.44
612-5501M5X	5501M5X	G	Small	Red	None	17.1 x 12.3 x 14.3	3.90	3.51	2.99	2.34	2.44
612-5501M11	5501M11	H	Small	Black	Red	17.1 x 12.3 x 14.3	5.10	4.59	3.91	3.06	3.31
612-5501M12	5501M12	H	Small	Black	Green	17.1 x 12.3 x 14.3	5.10	4.59	3.91	3.06	3.31
612-5501M21	5501M21	H	Small	Gray	Red	17.1 x 12.3 x 14.3	5.10	4.59	3.91	3.06	3.31
612-5501M2-12	5501M2-1/2	I	Small	Gray	Red/Grn	17.1 x 12.3 x 14.3	5.61	5.05	4.30	3.37	3.61
5511 Series											
612-5511M4X	5511M4X	G	Large	Blue	None	17.1 x 17.3 x 14.3	3.90	3.51	2.99	2.34	2.44
612-5511M8X	5511M8X	G	Large	White	None	17.1 x 17.3 x 14.3	3.90	3.51	2.99	2.34	2.44
612-5511M11	5511M11	H	Large	Black	Red	17.1 x 17.3 x 14.3	5.10	4.59	3.91	3.06	2.44
612-5511M12	5511M12	H	Large	Black	Green	17.1 x 17.3 x 14.3	5.10	4.59	3.91	3.06	3.31
612-5511M51	5511M51	H	Large	Red	Red	17.1 x 17.3 x 14.3	5.10	4.59	3.91	3.06	3.31
612-5511M52	5511M52	H	Large	Red	Green	17.1 x 17.3 x 14.3	5.10	4.59	3.91	3.06	3.31
612-5511M81	5511M81	H	Large	White	Red	17.1 x 17.3 x 14.3	5.10	4.59	3.91	3.06	3.31
612-5511M82	5511M82	H	Large	White	Green	17.1 x 17.3 x 14.3	5.10	4.59	3.91	3.06	3.31
612-5511M2-12	5511M2-1/2	I	Large	Gray	Red/Grn	17.1 x 17.3 x 14.3	5.61	5.05	4.30	3.37	3.61

ELECTROSWITCH MINIATURE PUSHBUTTON SWITCHES

Power Rating:

- 6A @ 125 VAC / 28 VDC Resistive
- 3A @ 250 VAC

Materials:

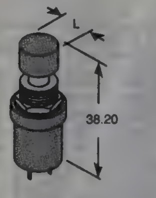
- Base (body): Diallyl Phthalate (DAP)
- Bushing: Brass, nickel plated
- Switching Contacts: Coin silver
- Center Terminal: Silver plated brass
- Solder Terminals

For quantities of 500 and up, call for quote.

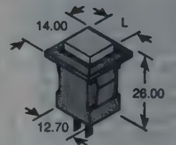
MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Circuit	Cap Color	Cap Dia.	Price Each			
						1	25	50	100
690-PB-12321ZQ	PB-12321ZQ	J	On-None-On	Black	.310	7.64	7.22	6.37	5.56
690-PB-12322ZQ	PB-12322ZQ	J	On-None-On	White	.310	7.64	7.22	6.37	5.56
690-PB-12323ZQ	PB-12323ZQ	J	On-None-On	Red	.310	7.64	7.22	6.37	5.56
690-PB-12331ZQ	PB-12331ZQ	J	On-None-On	Black	.375	7.64	7.22	6.37	5.56
690-PB-12332ZQ	PB-12332ZQ	J	On-None-On	White	.375	7.64	7.22	6.37	5.56
690-PB-12333ZQ	PB-12333ZQ	J	On-None-On	Red	.375	7.64	7.22	6.37	5.56
690-PB-12621ZQ	PB-12621ZQ	J	On-None-(On)	Black	.310	8.27	7.81	6.89	6.02
690-PB-12622ZQ	PB-12622ZQ	J	On-None-(On)	White	.310	8.27	7.81	6.89	6.02
690-PB-12623ZQ	PB-12623ZQ	J	On-None-(On)	Red	.310	8.27	7.81	6.89	6.02
690-PB-12631ZQ	PB-12631ZQ	J	On-None-(On)	Black	.375	8.27	7.81	6.89	6.02
690-PB-12632ZQ	PB-12632ZQ	J	On-None-(On)	White	.375	8.27	7.81	6.89	6.02
690-PB-12633ZQ	PB-12633ZQ	J	On-None-(On)	Red	.375	8.27	7.81	6.89	6.02

DIMENSIONS: mm

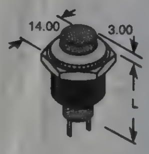
A



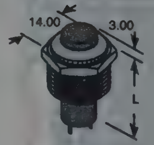
B



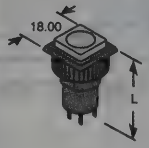
C



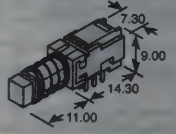
D



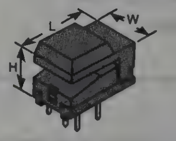
E



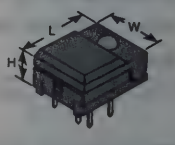
F



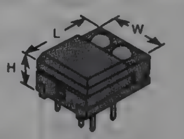
G



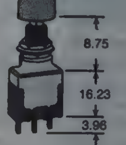
H



I



J



Shown w/optional cap

ITW SERIES 39-7: (20 mA) ULTRA-MINIATURE LIGHTED PUSHBUTTON SWITCHES

This switch was developed for designs with minimal PCB space and maximum swtiching requirements. With crisp action, process compatibility and clear bright LED indication, these switches form efficient and attractive arrays of highly dense, yet easy to use control stations.

LED Characteristics		
LED Color	V_F Max	I_F Max
Red	2.0	20mA
Green	2.5	20mA
Yellow	2.5	20mA

Specification:
- Circuit: SPST-NO-DB (Form X)
- Rating: Logic level (5 VDC, 5mA TYP)

Features:
- Resistance to high temps
- Logic level switching
- Gold contacts
- PC mounting/SMT LED
- 3 Year Warranty

Applications:
- Computers
- Hand-Held Instruments
- Portable peripherals
- Audio Equipment

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Switch Function	LED Color	Price Each			
					1	10	25	50
850-39-712200	39-712200	A	Momentary	Red	6.72	6.40	6.08	5.76
850-39-712300	39-712300	A	Momentary	Green	6.72	6.40	6.08	5.76
850-39-712400	39-712400	A	Momentary	Yellow	6.72	6.40	6.08	5.76
850-39-713200	39-713200	A	Maintained	Red	6.72	6.40	6.08	5.76
850-39-713300	39-713300	A	Maintained	Green	6.72	6.40	6.08	5.76
850-39-713400	39-713400	A	Maintained	Yellow	6.72	6.40	6.08	5.76

Accessories for 39-7 Series

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Description	Price Each			
				1	10	25	50
850-80-397014	80-397014	B	Keycap - Light Gray	.99	.94	.89	.85
850-80-397016	80-397016	B	Keycap - Black	.99	.94	.89	.85

ITW SERIES 59: ZINC ALLOY SEALED PUSHBUTTON SWITCHES

This rugged panel sealed pushbutton is made of a special high creep strength non-spark zinc alloy suitable for use in mining or other potentially explosive atmospheres where dust and moisture are problematic.

Specification:
- Switch Function: Momentary
- Contact Resistance: 50mΩ
- Dielectric strength: 1000 VAC
- Current Rating: 125mA @ 125VAC
- Panel Mounting: 1.5mm - 3mm

Features:
- Non-spark material
- Gold contacts
- Impact resistant
- 500,000 life cycles @ max power
- Wide Temp Range: -55°C to +125°C
- Panel sealed to IP67
- Nut and Sealing Washer included
- 3 Year Warranty

Applications:
- Communications
- Instrumentation
- Data processing
- Process controls
- Transportation/material

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Bezel Style	Button Color	Price Each			
					1	10	25	50
850-59-111	59-111	C	Round	Black	9.62	9.16	8.70	8.24
850-59-112	59-112	C	Round	Red	9.62	9.16	8.70	8.24
850-59-113	59-113	C	Round	Green	9.62	9.16	8.70	8.24
850-59-211	59-211	D	Square	Black	9.62	9.16	8.70	8.24
850-59-212	59-212	D	Square	Red	9.62	9.16	8.70	8.24
850-59-213	59-213	D	Square	Green	9.62	9.16	8.70	8.24
850-59-311	59-311	E	High Round	Black	10.71	10.20	9.69	9.18
850-59-312	59-312	E	High Round	Red	10.71	10.20	9.69	9.18
850-59-313	59-313	E	High Round	Green	10.71	10.20	9.69	9.18

ITW SERIES 76-97: PANEL SEALED PUSHBUTTON SWITCH

The Series 76-97 is robust. The switch body and button are made from hard-wearing plastic and produced in front mounting style. The buttons have a brightly dual-colored switch indicator which gives an "at a glance" recognition of the mode currently in use.

Specification:
- Contact Resistance: 25mΩ
- Dielectric strength: 1000V RMS
- Current Rating: 10A resistive 250VAC
- Contact Material: fine silver

Features:
- Solder Terminals
- Status Indication
- Panel sealed to IP67
- Wide Temp Range: -40°C to +105°C
- Nut and Sealing Washer included
- 3 Year Warranty

Applications:
- Industrial Machinery
- Mining Equipment
- Material Handling
- Process controls

Note: 2-pole switch is provided separately from switch body and must be fitted after the switch body has been mounted in the panel.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Switch Function	Button/Ring Color	No. of Poles	Price Each			
						1	10	25	50
850-76-9711/4044B	76-9711/4044B	F	Momentary	Black/Red	1	39.83	37.93	36.04	34.14
850-76-9711/4044R	76-9711/4044R	F	Momentary	Red/Yellow	1	39.83	37.93	36.04	34.14
850-76-9712/4044B	76-9712/4044B	F	Maintained	Black/Red	1	42.21	40.20	38.19	36.18
850-76-9712/4044R	76-9712/4044R	F	Maintained	Red/Yellow	1	42.21	40.20	38.19	36.18
850-76-9711/804B	76-9711/804B	F	Momentary	Black/Red	2	86.66	82.53	78.41	74.28

ITW SERIES 57: MINIATURE VANDAL RESISTANT SEALED PUSHBUTTON SWITCHES

This rugged miniature, momentary action, sealed switch series is ideal for a variety of applications in harsh environments where durability is key.

Specification:
- Contact Resistance: 50mΩ
- Switching Power: 16VA AC
- Current Rating: 125mA - 400mA
- Contact Form: SDST

Features:
- Non-spark material
- Impact Resistant
- Panel sealed to IP67
- Gold plated palladium nickel contacts
- Wide Temp Range: -40°C to + 125°C
- Nut and Sealing Washer included
- 3 Year Warranty

Applications:
- Security Access controls
- Computers
- Military/Aerospace
- Transportation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Lighted	LED Color	Price Each			
					1	10	25	50
850-57-111	57-111	G	No	-	14.69	13.99	13.29	12.59
850-57-112R	57-112R	H	Yes	Red	17.97	17.11	16.25	15.40
850-57-112G	57-112G	H	Yes	Green	17.97	17.11	16.26	15.40
850-57-112B	57-112B	H	Yes	Blue	33.06	31.49	29.91	28.34

ITW SERIES 76-95 10A VANDAL RESISTANT PUSHBUTTON SWITCHES

This low profile switch makes it difficult to pry the switch from its mounting. Uses Butterfly® snap action switches for switching loads up to 10.1 Amps.

Features:
- Wide Temp Range: -30°C to + 105°C
- Panel sealed to IP67
- Solder Terminals
- 3 Year Warranty

Applications:
- Industrial equipment
- Military/Aerospace
- Transportation

Specification:
- Contact Resistance: 50mΩ
- Dielectric Strength: 1,000VAC for 1 minute

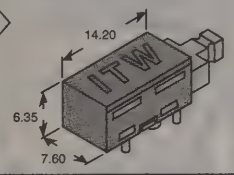
RoHS Compliant

For quantities of 100 and up, call for quote.

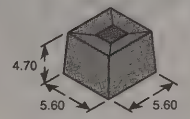
MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Contact	Circuit	Price Each			
					1	10	25	50
850-76-9510/530004	76-9510/530004	I	Silver	SPDT-DB	37.49	35.71	33.92	32.14

DIMENSIONS: mm

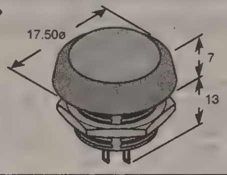
A



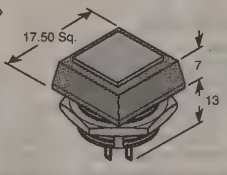
B



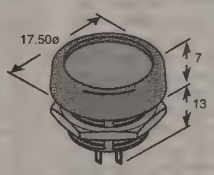
C



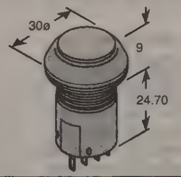
D



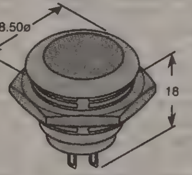
E



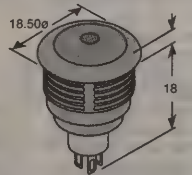
F



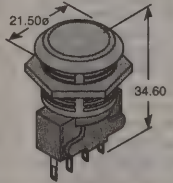
G



H



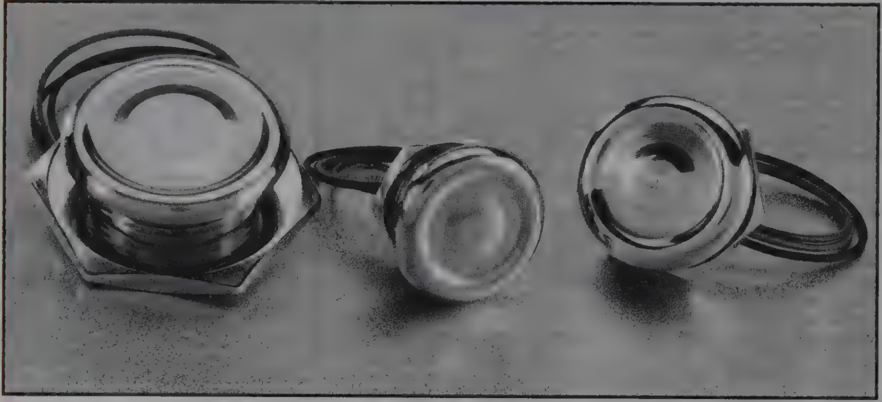
I



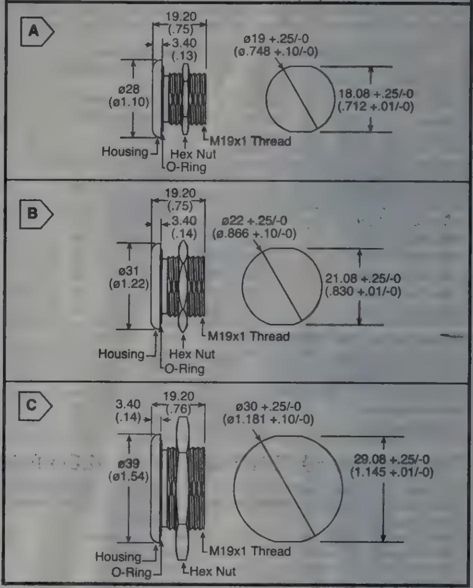
ITW SWITCHES ActiveMetal™ Touch Sensing Switches

ITW Switches

RoHS Compliant This page of product is compliant.



DIMENSIONS: mm (in.)



ACTIVEMETAL™ ULTRASONIC TOUCH-SENSING SWITCH TECHNOLOGY

Specifications:

- 316 Stainless Steel
- 6061 Aluminum
- PPS Plastic
- High ,Medium or Low Sensitivity
- 24 AWG 12" insulated wire leads
- Anodized Aluminum in Clear,Black,Red or Green
- 5 VDC Input /Digital Output-Normally High(5V) or Normally Low (0V)
- 5 VDC Input/Open Collector Output-Normally Open or Normally Closed
- 10-24 VDC Input/Open Collector Output- Normally Open or Normally Closed

19mm Switches

* Alternate action

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Housing Material	Input Voltage	Output	Function	Price Each			
							1	10	25	50
850-T01011901001NLM2	T01-011901-001-NL-M-2	A	316 Stainless Steel	5VDC	Digital	Normally Low	96.92	92.30	87.69	83.07
* 850-T01021901001NLA2	T01-021901-001-NL-A-2	A	6061 Aluminum - Clear Anodized	5VDC	Digital	Normally Low	84.25	80.24	76.23	72.22
850-T01021901002NLM2	T01-021901-002-NL-M-2	A	6061 Aluminum - Black Anodized	5VDC	Digital	Normally Low	84.25	80.24	76.23	72.22
850-T01021901003NLM2	T01-021901-003-NL-M-2	A	6061 Aluminum - Red Anodized	5VDC	Digital	Normally Low	84.25	80.24	76.23	72.22
850-T01021901004NLM2	T01-021901-004-NL-M-2	A	6061 Aluminum - Green Anodized	5VDC	Digital	Normally Low	84.25	80.24	76.23	72.22
850-T01011902001NOM2	T01-011902-001-NO-M-2	A	316 Stainless Steel	5VDC	O/C	Normally Open	97.27	92.64	88.01	83.38
850-T01021902001NOM2	T01-021902-001-NO-M-2	A	6061 Aluminum - Clear Anodized	5VDC	O/C	Normally Open	84.61	80.58	76.55	72.52
850-T01021902002NOM2	T01-021902-002-NO-M-2	A	6061 Aluminum - Black Anodized	5VDC	O/C	Normally Open	84.61	80.58	76.55	72.52
850-T01021902003NOM2	T01-021902-003-NO-M-2	A	6061 Aluminum - Red Anodized	5VDC	O/C	Normally Open	84.61	80.58	76.55	72.52
850-T01021902004NOM2	T01-021902-004-NO-M-2	A	6061 Aluminum - Green Anodized	5VDC	O/C	Normally Open	84.61	80.58	76.55	72.52
850-T01011903001NOM2	T01-011903-001-NO-M-2	A	316 Stainless Steel	10-24VDC	O/C	Normally Open	100.23	95.46	90.69	85.91
850-T01021903001NOM2	T01-021903-001-NO-M-2	A	6061 Aluminum - Clear Anodized	10-24VDC	O/C	Normally Open	87.57	83.40	79.23	75.06
850-T01021903002NOM2	T01-021903-002-NO-M-2	A	6061 Aluminum - Black Anodized	10-24VDC	O/C	Normally Open	87.57	83.40	79.23	75.06
850-T01021903003NOM2	T01-021903-003-NO-M-2	A	6061 Aluminum - Red Anodized	10-24VDC	O/C	Normally Open	87.57	83.40	79.23	75.06
850-T01021903004NOM2	T01-021903-004-NO-M-2	A	6061 Aluminum - Green Anodized	10-24VDC	O/C	Normally Open	87.57	83.40	79.23	75.06

22mm Switches

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Housing Material	Input Voltage	Output	Function	Price Each			
							1	10	25	50
850-T01012201001NLM2	T01-012201-001-NL-M-2	B	316 Stainless Steel	5VDC	Digital	Normally Low	100.04	95.28	90.52	85.75
850-T01022201001NLM2	T01-022201-001-NL-M-2	B	6061 Aluminum - Clear Anodized	5VDC	Digital	Normally Low	87.57	83.40	79.23	75.06
850-T01022201002NLM2	T01-022201-002-NL-M-2	B	6061 Aluminum - Black Anodized	5VDC	Digital	Normally Low	87.57	83.40	79.23	75.06
850-T01022201003NLM2	T01-022201-003-NL-M-2	B	6061 Aluminum - Red Anodized	5VDC	Digital	Normally Low	87.57	83.40	79.23	75.06
850-T01022201004NLM2	T01-022201-004-NL-M-2	B	6061 Aluminum - Green Anodized	5VDC	Digital	Normally Low	87.57	83.40	79.23	75.06
850-T01012202001NOM2	T01-012202-001-NO-M-2	B	316 Stainless Steel	5VDC	O/C	Normally Open	100.36	95.58	90.80	86.02
850-T01022202001NOM2	T01-022202-001-NO-M-2	B	6061 Aluminum - Clear Anodized	5VDC	O/C	Normally Open	87.89	83.70	79.52	75.33
850-T01022202002NOM2	T01-022202-002-NO-M-2	B	6061 Aluminum - Black Anodized	5VDC	O/C	Normally Open	87.89	83.70	79.52	75.33
850-T01022202003NOM2	T01-022202-003-NO-M-2	B	6061 Aluminum - Red Anodized	5VDC	O/C	Normally Open	87.89	83.70	79.52	75.33
850-T01022202004NOM2	T01-022202-004-NO-M-2	B	6061 Aluminum - Green Anodized	5VDC	O/C	Normally Open	87.89	83.70	79.52	75.33
850-T01012203001NOM2	T01-012203-001-NO-M-2	B	316 Stainless Steel	10-24VDC	O/C	Normally Open	103.38	98.46	93.54	88.61
850-T01022203001NOM2	T01-022203-001-NO-M-2	B	6061 Aluminum - Clear Anodized	10-24VDC	O/C	Normally Open	90.91	86.58	82.25	77.92
850-T01022203002NOM2	T01-022203-002-NO-M-2	B	6061 Aluminum - Black Anodized	10-24VDC	O/C	Normally Open	90.91	86.58	82.25	77.92
850-T01022203003NOM2	T01-022203-003-NO-M-2	B	6061 Aluminum - Red Anodized	10-24VDC	O/C	Normally Open	90.91	86.58	82.25	77.92
850-T01022203004NOM2	T01-022203-004-NO-M-2	B	6061 Aluminum - Green Anodized	10-24VDC	O/C	Normally Open	90.91	86.58	82.25	77.92

30mm Switches

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Housing Material	Input Voltage	Output	Function	Price Each			
							1	10	25	50
850-T01013001001NLM2	T01-013001-001-NL-M-2	C	316 Stainless Steel	5VDC	Digital	Normally Low	121.91	116.10	110.30	104.49
850-T01023001001NLM2	T01-023001-001-NL-M-2	C	6061 Aluminum - Clear Anodized	5VDC	Digital	Normally Low	100.46	95.68	90.90	86.11
850-T01023001002NLM2	T01-023001-002-NL-M-2	C	6061 Aluminum - Black Anodized	5VDC	Digital	Normally Low	100.46	95.68	90.90	86.11
850-T01023001003NLM2	T01-023001-003-NL-M-2	C	6061 Aluminum - Red Anodized	5VDC	Digital	Normally Low	100.46	95.68	90.90	86.11
850-T01023001004NLM2	T01-023001-004-NL-M-2	C	6061 Aluminum - Green Anodized	5VDC	Digital	Normally Low	100.46	95.68	90.90	86.11
850-T01013002001NOM2	T01-013002-001-NO-M-2	C	316 Stainless Steel	5VDC	O/C	Normally Open	122.22	116.40	110.58	104.76
850-T01023002001NOM2	T01-023002-001-NO-M-2	C	6061 Aluminum - Clear Anodized	5VDC	O/C	Normally Open	100.78	95.98	91.18	86.38
850-T01023002002NOM2	T01-023002-002-NO-M-2	C	6061 Aluminum - Black Anodized	5VDC	O/C	Normally Open	100.78	95.98	91.18	86.38
850-T01023002003NOM2	T01-023002-003-NO-M-2	C	6061 Aluminum - Red Anodized	5VDC	O/C	Normally Open	100.78	95.98	91.18	86.38
850-T01023002004NOM2	T01-023002-004-NO-M-2	C	6061 Aluminum - Green Anodized	5VDC	O/C	Normally Open	100.78	95.98	91.18	86.38
850-T01013003001NOM2	T01-013003-001-NO-M-2	C	316 Stainless Steel	10-24VDC	O/C	Normally Open	125.24	119.28	113.32	107.35
850-T01023003001NOM2	T01-023003-001-NO-M-2	C	6061 Aluminum - Clear Anodized	10-24VDC	O/C	Normally Open	103.80	98.86	93.92	88.97
850-T01023003002NOM2	T01-023003-002-NO-M-2	C	6061 Aluminum - Black Anodized	10-24VDC	O/C	Normally Open	103.80	98.86	93.92	88.97
850-T01023003003NOM2	T01-023003-003-NO-M-2	C	6061 Aluminum - Red Anodized	10-24VDC	O/C	Normally Open	103.80	98.86	93.92	88.97
850-T01023003004NOM2	T01-023003-004-NO-M-2	C	6061 Aluminum - Green Anodized	10-24VDC	O/C	Normally Open	103.80	98.86	93.92	88.97

Pushbutton Switches

ITW Switches ITW SERIES 76-59: VANDAL RESISTANT SEALED PUSHBUTTON SWITCHES

The Series 76-59 is extra tough, stainless steel sealed pushbutton. It is made to withstand rough use and the concave stainless button makes it ADA compatible.

Specifications:
- Bushing Material: Stainless steel
- Operating Force: 3.0 N ref
- Operating Temp: -55°C to +125°C
- Contacts & terminals: gold plated brass
- Switch Function: Momentary

Features:
- SPST-NO-DB
- .110 quick connect terminals
- Extra ruggedized construction
- Sealed to IP67
- 3 Year Warranty

Applications:
- Security systems
- Kiosks
- Gas Pumps
- Outdoor and Industrial machinery

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ITW Switch Part No.	Fig.	Description	Price Each		
				1	10	25
850-76-59200	76-59200	A	Raised concave stainless steel	24.78	23.60	22.42
850-76-59300	76-59300	A	Raised concave brass with UV stabilized red powder coat finish	24.78	23.60	22.42

ITW Switches ITW SERIES 47: MINIATURE SEALED PUSHBUTTON SWITCHES

The Series 47 is an uniquely designed sealed miniature pushbutton switch. The silicone button and body can be panel mounted and terminated with a standard connector or mounted in a P.C. board. The switches come in two levels of sealing a panel sealed only version and a fully sealed version with epoxy sealed base.

Specifications:
- Button Material: Silicone
- Operating Temp: -40°C to +85°C
- Terminal Finish: Gold over nickel

Features:
- SPST-NO
- Long life
- Small size
- Low Cost
- Sealed to IP67
- 3 Year Warranty

Applications:
- Medical Equipment
- Marine Equipment
- Outdoor Controls
- Appliances
- Recreational Vehicles

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ITW Switch Part No.	Fig.	Switch Function	Button Color	Sealed Version	Price Each		
						1	10	25
850-47-1111	47-1111	B	Momentary	Black	Panel and Epoxy	3.63	3.46	3.29
850-47-1121	47-1121	B	Momentary	Red	Panel and Epoxy	4.60	4.38	4.16
850-47-1131	47-1131	B	Momentary	Green	Panel and Epoxy	4.60	4.38	4.16
850-47-1141	47-1141	B	Momentary	White	Panel and Epoxy	4.60	4.38	4.16
850-47-1151	47-1151	B	Momentary	Yellow	Panel and Epoxy	4.60	4.38	4.16
850-47-1161	47-1161	B	Momentary	Blue	Panel and Epoxy	4.60	4.38	4.16
850-47-1171	47-1171	B	Momentary	Orange	Panel and Epoxy	4.60	4.38	4.16
850-47-2111	47-2111	B	Momentary	Black	Panel	3.36	3.20	3.04
850-47-2121	47-2121	B	Momentary	Red	Panel	4.16	3.96	3.76
850-47-2131	47-2131	B	Momentary	Green	Panel	4.16	3.96	3.76
850-47-2141	47-2141	B	Momentary	White	Panel	4.16	3.96	3.76
850-47-2151	47-2151	B	Momentary	Yellow	Panel	4.16	3.96	3.76
850-47-2161	47-2161	B	Momentary	Blue	Panel	4.16	3.96	3.76
850-47-2171	47-2171	B	Momentary	Orange	Panel	4.16	3.96	3.76

ITW Switches ITW SERIES 48: FLEX-TECH MINIATURE SEALED PUSHBUTTON SWITCHES

This rugged multi-option sealed pushbutton series offers the utmost in choices for mounting style, colors, terminations, bezels, lighting and momentary or alternate-action switching.

Specifications:
- Circuit: SPST-NO-DB
- Operating Force: 3N/306g
- Temperature Index: -40°F to +185°F
- Panel Thickness: .02-.12 / 1.5-3mm

Features:
- Gold contacts
- Long life
- Compact Package size
- Sealed to IP67
- 3 Year Warranty

Applications:
- Medical Equipment
- Office Equipment
- Outdoor Controls
- Mass Transportation
- Industrial Machinery

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switch Part No.	Fig.	Switch Function	Switch Termination	Bezel Type	LED Color	Button Color	Price Each			
								1	10	25	50
850-48-1-RB-N-RD-B	48-1-RB-N-RD-B	C	Momentary	Solder Tabs	Round, Black	None	Red	6.66	6.34	6.02	5.71
850-48-1-RB-N-BK-B	48-1-RB-N-BK-B	C	Momentary	Solder Tabs	Round, Black	None	Black	6.66	6.34	6.02	5.71
850-48-1-SB-N-RD-B	48-1-SB-N-RD-B	D	Momentary	Solder Tabs	Square, Black	None	Red	6.66	6.34	6.02	5.71
850-48-1-SB-N-BK-B	48-1-SB-N-BK-B	D	Momentary	Solder Tabs	Square, Black	None	Black	6.66	6.34	6.02	5.71
850-48-1-RC-N-CR-B	48-1-RC-N-CR-B	C	Momentary	Solder Tabs	Round, Chrome	None	Chrome	6.66	6.34	6.02	5.71
850-48-1-RB-R-BK-B	48-1-RB-R-BK-B	C	Momentary	Solder Tabs	Round, Black	Red	Black	7.31	6.97	6.62	6.27
850-48-2-RB-N-RD-B	48-2-RB-N-RD-B	C	Maintained	Solder Tabs	Round, Black	None	Red	7.39	7.04	6.69	6.34
850-48-2-RB-N-BK-B	48-2-RB-N-BK-B	C	Maintained	Solder Tabs	Round, Black	None	Black	7.39	7.04	6.69	6.34
850-48-2-RC-N-CR-B	48-2-RC-N-CR-B	C	Maintained	Solder Tabs	Round, Chrome	None	Chrome	7.39	7.04	6.69	6.34
850-48-2-RB-R-BK-B	48-2-RB-R-BK-B	C	Maintained	Solder Tabs	Round, Black	Red	Black	8.05	7.67	7.28	6.90

ITW Switches ITW SERIES 48: MINIATURE HALL-EFFECT SEALED PUSHBUTTON SWITCHES

This rugged sealed pushbutton switch uses a Hall-Effect sensor to achieve extremely long life. This switch is suited for harsh environments where long life and reliability are needed.

Specifications:
- Circuit: SPST-NO-DB
- Operating Force: 3N/306g
- Temperature Index: -40°F to +185°F
- Panel Thickness: .02-.12 / 1.5-3mm

Features:
- Hall-Effect Technology
- 1,000,000 cycles momentary
- 100,000 cycles maintained
- Sealed to IP67
- 3 Year Warranty

Applications:
- Communications
- Data Entry
- Outdoor Controls
- Mass Transportation
- Instrumentation

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ITW Switch Part No.	Fig.	Switch Function	Switch Termination	Bezel Type	LED Color	Button Color	Price Each			
								1	10	25	50
850-48-7-RB-N-BK-B	48-7-RB-N-BK-B	E	Momentary	PC	Round, Black	None	Black	12.24	11.66	11.08	10.49
850-48-7-RB-N-RD-B	48-7-RB-N-RD-B	E	Momentary	PC	Round, Black	None	Red	12.24	11.66	11.08	10.49
850-48-7-RC-N-CR-B	48-7-RC-N-CR-B	E	Momentary	PC	Round, Chrome	None	Chrome	12.24	11.66	11.08	10.49
850-48-7-RB-R-BK-B	48-7-RB-R-BK-B	E	Momentary	PC	Round, Black	Red	Black	12.90	12.29	11.67	11.06

LORLIN PUSHBUTTON SWITCHES

Specifications:
- Operating Temperature: 25°C to +100°C
- Proof Voltage: 2.5KV AC (Initial)
- Insulation Resistance: >999 MΩ @500V DC (Initial)

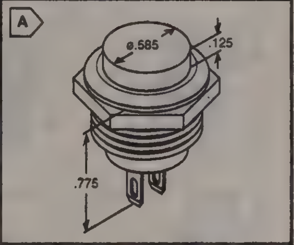
Features:
- Length overall behind bezel 44mm
- Panel thickness 1mm-8.5mm
- Robust design-metal housing/bezel

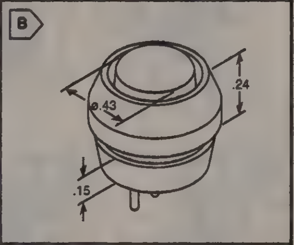
RoHS Compliant

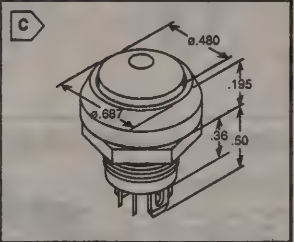
For quantities of 100 and up, call for quote.

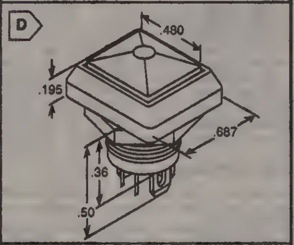
MOUSER STOCK NO.	Lorlin Part No.	Fig.	Button Color	Switch Function	Rating	Price Each			
						1	5	25	50
10RA001	RAPS-001	F	Red	Momentary Push To Break	10A/250VAC	18.80	17.09	15.54	13.95
10RA002	RAPS-002	F	Black	Momentary Push To Break	10A/250VAC	18.80	17.09	15.54	13.95
10RA003	RAPS-003	F	Green	Momentary Push To Break	10A/250VAC	18.80	17.09	15.54	13.95
10RA004	RAPS-004	F	Red	Maintained	10A/250VAC	18.80	17.09	15.54	13.95
10RA005	RAPS-005	F	Black	Maintained	10A/250VAC	18.80	17.09	15.54	13.95
10RA006	RAPS-006	F	Green	Maintained	10A/250VAC	18.80	17.09	15.54	13.95
10RA007	RAPS-007	G	Red	Momentary Push to Make	2A/250VAC	18.80	17.09	15.54	13.95
10RA008	RAPS-008	G	Black	Momentary Push to Make	2A/250VAC	18.80	17.09	15.54	13.95
10RA009	RAPS-009	G	Green	Momentary Push to Make	2A/250VAC	18.80	17.09	15.54	13.95

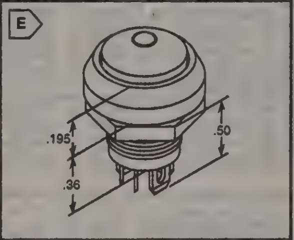
DIMENSIONS: in.

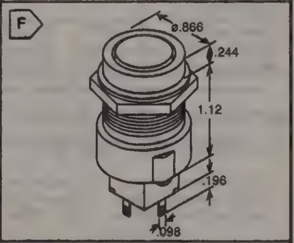


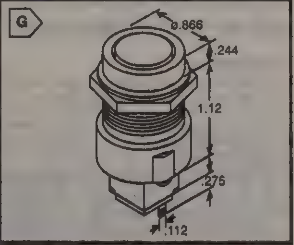








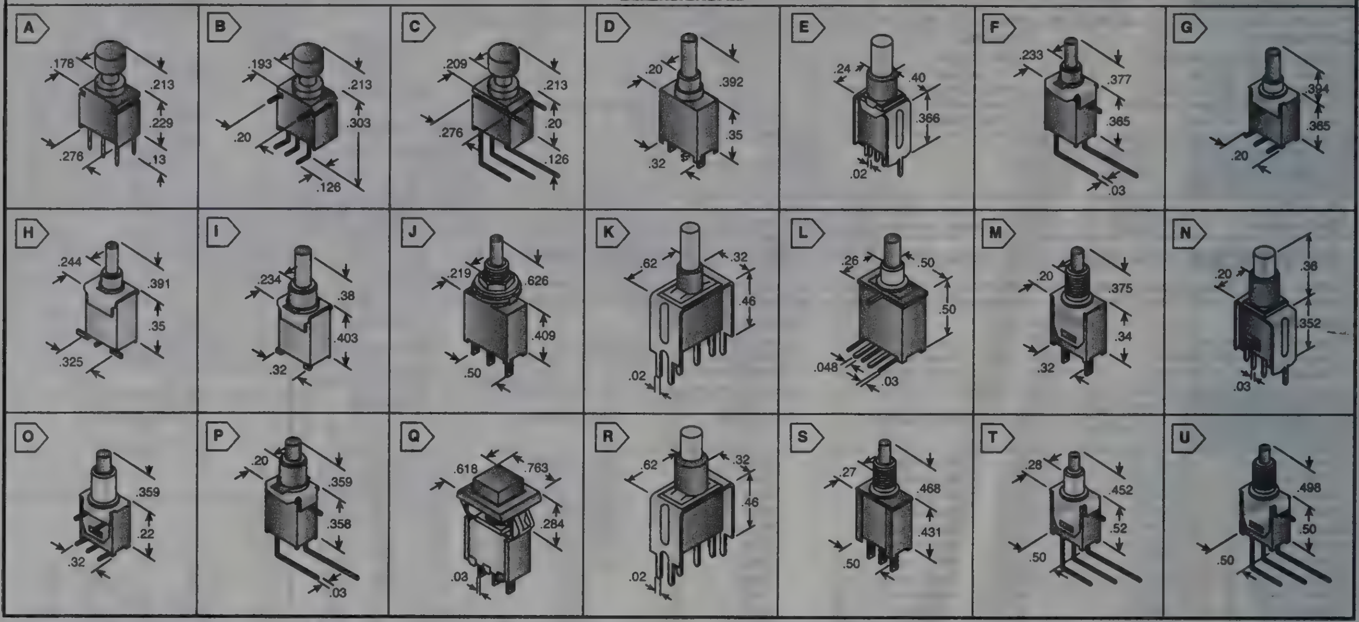




Pushbutton Switches

RoHS Compliant This page of product is compliant.

DIMENSIONS: In.



MOUNTAIN SWITCH SEALED PUSHBUTTON SWITCHES

Ultra-Miniature

- Rating: 0.4 Volt-Amp (VA) max. / 20V max. (AC or DC)

NEW PRODUCT

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Contact Resistance	Price Each			
					1	10	100	500
107-8219-EV	A	SPDT	On-(On)	100mΩ Max.	3.31	3.01	2.73	2.49
107-8214-EV	A	DPDT	On-(On)	100mΩ Max.	3.69	3.36	3.05	2.77
107-8216-EV	B	SPDT	On-(On)	100mΩ Max.	3.50	3.18	2.89	2.63
107-8215-EV	B	DPDT	On-(On)	100mΩ Max.	3.91	3.56	3.23	2.94
107-8217-EV	C	SPDT	On-(On)	100mΩ Max.	3.69	3.36	3.05	2.77
107-8218-EV	C	DPDT	On-(On)	100mΩ Max.	4.08	3.71	3.37	3.06

Sub-Miniature

- Rating: 0.4 Volt-Amps (VA) max. / 20V max. (AC or DC)

For quantities of 1000 and up, call for quote.

PC Mount								
107-3013-EVX	D	SPST	Off-(On)	20mΩ Max.	4.07	3.79	2.97	2.64
107-3015-EVX	D	SPST	On-(On)	20mΩ Max.	4.07	3.79	2.97	2.64
107-3017-EVX	E	SPDT	On-(On)	20mΩ Max.	8.31	7.56	5.75	4.86
107-3014-EVX	F	SPST	Off-(On)	20mΩ Max.	5.29	4.81	3.70	3.13
107-3016-EVX	G	SPDT	On-(On)	20mΩ Max.	3.52	3.27	2.49	2.11
Surface Mount								
107-3018-EVX	H	SPDT	On-(On)	20mΩ Max.	3.98	3.75	3.02	2.55
107-3020-EVX	H	SPDT	Off-(On)	20mΩ Max.	3.81	3.65	2.78	2.35
107-3019-EVX	I	SPDT	On-(On)	20mΩ Max.	3.98	3.75	3.02	2.55
107-3021-EVX	I	SPST	Off-(On)	20mΩ Max.	3.98	3.75	3.02	2.55

Snap Acting

- Rating: 1A/250VAC; 3A/120VAC or 28VDC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Contact Resistance	Price Each			
					1	10	100	500
107-3001-EVX	J	SPDT	On-(On)	20mΩ Max.	4.61	4.32	3.28	2.72
107-3003-EVX	K	SPDT	On-(On)	20mΩ Max.	4.61	4.32	3.28	2.72
107-3002-EVX	L	SPDT	On-(On)	20mΩ Max.	4.61	4.32	3.28	2.72

MOUNTAIN SWITCH PUSHBUTTON SWITCHES

Sub-Miniature

Specifications:

- Rating: 1A/250VAC; 3A/120VAC or 28VDC
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Contact Resistance	Price Each			
					1	10	100	500
107-3024-EVX	M	SPST	Off-(On)	20mΩ Max.	2.66	2.42	1.84	1.69
107-3022-EVX	M	SPDT	On-(On)	20mΩ Max.	2.66	2.42	1.84	1.69
107-3026-EVX	N	SPST	Off-(On)	20mΩ Max.	2.66	2.42	1.84	1.69
107-3023-EVX	O	SPDT	On-(On)	20mΩ Max.	2.66	2.42	1.84	1.69
107-3025-EVX	P	SPST	Off-(On)	20mΩ Max.	2.66	2.42	1.84	1.69

Snap Acting

Specifications:

- Rating: 1A/250VAC; 3A/120VAC or 28VDC
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

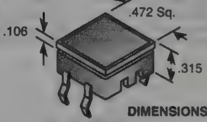
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Contact Resistance	Price Each			
					1	10	100	500
107-3007-EVX	Q	SPDT	On-(On)	20mΩ Max.	3.98	3.75	3.02	2.55
107-3008-EVX	Q	SPDT	On-(On)	20mΩ Max.	7.60	6.90	5.25	4.45
107-3012-EVX	Q	DPDT	On-(On)	20mΩ Max.	6.27	5.98	4.94	3.85
107-3006-EVX	R	SPDT	On-(On)	20mΩ Max.	5.29	4.81	3.70	3.13
107-3011-EVX	R	DPDT	On-(On)	20mΩ Max.	6.27	5.98	4.94	3.85
107-3004-EVX	S	SPDT	On-(On)	20mΩ Max.	4.00	3.72	2.89	2.69
107-3009-EVX	S	DPDT	On-(On)	20mΩ Max.	7.60	6.90	5.25	4.45
107-3005-EVX	T	SPDT	On-(On)	20mΩ Max.	5.29	4.81	3.70	3.13
107-3010-EVX	U	DPDT	On-(On)	20mΩ Max.	6.27	5.98	4.94	3.85

MOUNTAIN SWITCH LP12 SERIES ILLUMINATED PUSHBUTTON SWITCHES

- Rating: 50mA/12VDC
- Contact Resistance: 100mΩ
- Operating Force: 250gf max.
- Type: SPST momentary
- Bounce: 10msec. max
- LED: 15mA/4.2V

RoHS Compliant



DIMENSIONS: In.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LED Color	Price Each				
		1	10	50	100	200
107-LP12-7-EV	Green	2.79	2.54	2.29	2.09	1.91
107-LP12-5-EV	Red	2.79	2.54	2.29	2.09	1.91
107-LP12-3-EV	Yellow	2.79	2.54	2.29	2.09	1.91

ALPHA FOOT SWITCHES

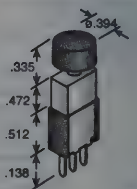
Specifications:

- Rating: 6A/125VAC, 3A/250VAC, 4A/30VDC
- Contact Resistance: 50mΩ silver contacts
- Insulation Resistance: 500VDC-100MΩ min.
- Dielectric Strength: 1000VAC for 1 minute
- Operating Life: 30,000 cycles

RoHS Compliant

For quantities of 500 and up, call for quote.

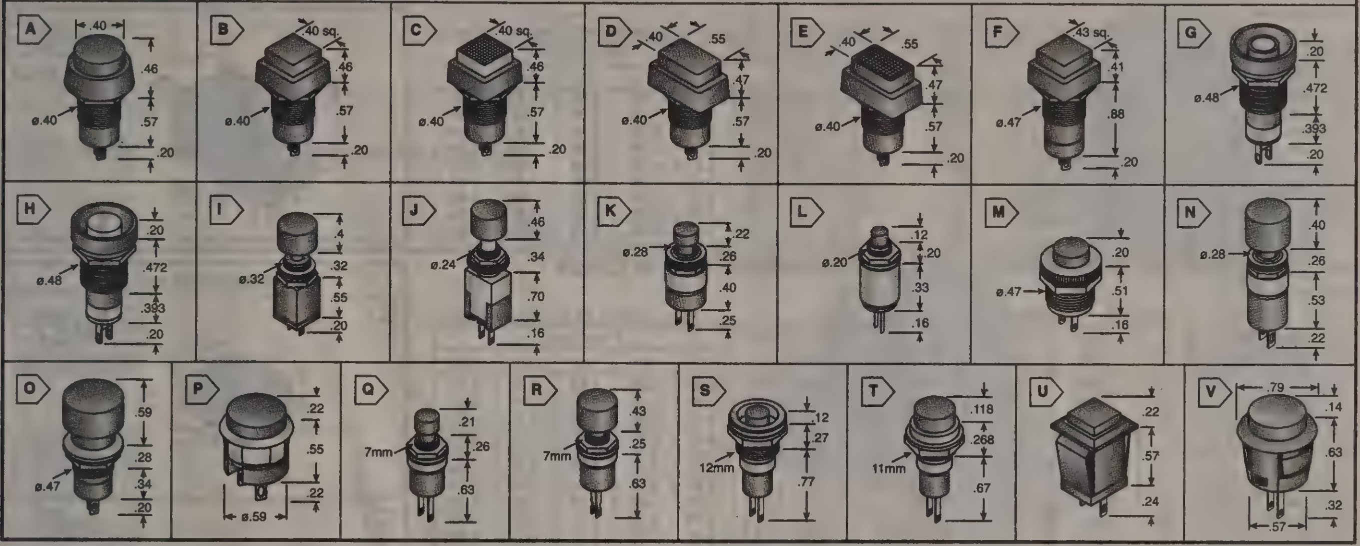
MOUSER STOCK NO.	Alpha Part No.	Type	Terminals	Operating Force	Price Each			
					1	25	50	100
107-SF12011F-L	SF12011F-0202-20R-L-011	DPDT Latching	PC	1.6 ±0.5Kgf	5.49	4.99	4.54	4.13
107-SF12011F-M	SF12011F-0202-20R-M	DPDT Momentary	PC	2.8 ±0.8Kgf	5.49	4.99	4.54	4.13
107-SF12020F-L	SF12020F-0202-20R-L-011	DPDT Latching	Solder	1.6 ±0.5Kgf	5.49	4.99	4.54	4.13
107-SF12020F-M	SF12020F-0202-20R-M	DPDT Momentary	Solder	2.8 ±0.8Kgf	5.49	4.99	4.54	4.13



DIMENSIONS: In.

MOUNTAIN SWITCH Pushbutton Switches

DIMENSIONS: In.



MINIATURE SOFT TOUCH

Specifications:

- Mechanical life: 100,000 operations
- Electrical life: 50,000 operations
- Type: SPST
- Rating: 3A/125VAC, 1A/250VAC
- Button material: Metal is aluminum; All others are molded plastic.

( )=Momentary

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button Color	Frame Color	Circuit	Price Each				
					1	10	100	500	1000
Rating: 3A/125VAC									
10PA322	A	Red	Black	Off-(On)	2.91	2.43	2.21	2.01	1.85
10PP422	A	Red	Black	Off-On	2.24	2.16	2.07	1.98	1.82
10PA323	A	Black	Black	Off-(On)	2.91	2.43	2.21	2.01	1.85
10PP423	A	Black	Black	Off-On	2.24	2.16	2.07	1.98	1.82
107-3029-EVX	A	Silver	Silver	Off-(On)	3.51	3.38	3.32	3.26	3.12
107-3030-EVX	A	Silver	Silver	Off-On	3.74	3.60	3.54	3.47	3.31
10PA332	B	Red	Black	Off-(On)	2.06	1.97	1.90	1.83	1.64
10PP432	B	Red	Black	Off-On	2.28	2.19	2.10	2.02	1.85
107-3031-EVX	B	Black	Black	Off-(On)	2.06	1.97	1.94	1.90	1.83
10PP433	B	Black	Black	Off-On	2.28	2.19	2.10	2.02	1.85
107-3032-EVX	B	Silver	Black	Off-(On)	2.81	2.70	2.65	2.61	2.50
107-3033-EVX	B	Silver	Black	Off-On	3.01	2.90	2.84	2.79	2.67
107-3034-EVX	B	Silver	Silver	Off-(On)	3.54	3.41	3.36	3.28	3.16
10PA339	C	Silver	Silver	Off-(On)	3.54	3.41	3.28	3.15	2.90
107-3035-EVX	D	Red	Black	Off-(On)	2.00	1.93	1.88	1.85	1.78
107-3036-EVX	D	Red	Black	Off-On	2.20	2.13	2.09	2.05	1.96
107-3037-EVX	D	Black	Black	Off-(On)	2.00	1.93	1.89	1.85	1.78
107-3039-EVX	D	Silver	Black	Off-(On)	2.74	2.63	2.58	2.53	2.43
107-3040-EVX	D	Silver	Silver	Off-(On)	3.49	3.36	3.29	3.22	3.10
107-3041-EVX	E	Silver	Black	Off-(On)	2.74	2.63	2.58	2.53	2.43
107-3042-EVX	E	Silver	Silver	Off-(On)	3.49	3.36	3.29	3.22	3.10
Rating: 3A/250VAC									
107-MS198-RED	F	Red	Black	On-Off	2.57	2.48	2.38	2.29	2.06
107-MS199-RED	F	Red	Black	Off-(On)	2.90	2.79	2.70	2.59	2.32

GUARDED

Specifications:

- Rating: 3A/125VAC
- Contact resistance: 20mΩ
- Mounting hole: .48"
- Solder terminals
- Dielectric strength: 1000V for 1 minute
- Type: SPST

( )=Momentary

For quantities of 2000 and up, call for quote.

107-1258-S	G	Silver	Black	Off-On	3.98	3.62	3.29	2.99	2.72
107-1258R	G	Red	Black	Off-On	3.98	3.62	3.29	2.99	2.72
107-1258BU	G	Blue	Black	Off-On	3.98	3.62	3.29	2.99	2.72
107-1259-B	G	Black	Black	Off-(On)	3.40	3.09	2.81	2.55	2.32
107-1259BU	G	Blue	Black	Off-(On)	3.40	3.09	2.81	2.55	2.32
107-1259-R	G	Red	Black	Off-(On)	3.40	3.09	2.81	2.55	2.32
107-1259-S	G	Silver	Black	Off-(On)	3.40	3.09	2.81	2.55	2.32
107-2261R	H	Red	Gray	Off-On	3.63	3.30	3.00	2.73	2.48
107-1261B	H	Black	Black	Off-On	3.63	3.30	3.00	2.73	2.48
107-1261R	H	Red	Black	Off-On	3.63	3.30	3.00	2.73	2.48
107-1262-R	H	Red	Black	Off-(On)	2.55	2.32	2.11	1.91	1.74
107-1262-B	H	Black	Black	Off-(On)	2.55	2.32	2.11	1.91	1.74
107-1262C	H	Cream	Black	Off-(On)	2.55	2.32	2.11	1.91	1.74
107-2262-R	H	Red	Gray	Off-(On)	2.55	2.32	2.11	1.91	1.74

STANDARD TOUCH

( )=Momentary

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Button Color	Rating	Price Each				
						1	10	100	500	1000
10PA201	I	SPST	Off-(On)	Red	3A/125V	1.96	1.89	1.82	1.74	1.56
10PA202	I	SPST	Off-(On)	Black	3A/125V	1.96	1.89	1.82	1.74	1.56
10PP221	J	SPST	On-Off	Red	3A/125V	3.14	3.01	2.90	2.78	2.52
10PP222	J	SPST	On-Off	Black	3A/125V	3.14	3.01	2.90	2.78	2.52
10PP241	J	DPDT	On-On	Red	3A/125V	3.98	3.84	3.67	3.53	3.20
10PA220	K	SPST	Off-(On)	Red	1A/125V	1.28	1.22	1.18	1.12	.95
10PA221	K	SPST	Off-(On)	Black	1A/125V	1.28	1.22	1.18	1.12	.95
10PA018	L	SPST	Off-(On)	Red	.5A/125V	1.24	1.20	1.16	1.10	.99
10PA019	L	SPST	Off-(On)	Black	.5A/125V	1.24	1.20	1.16	1.10	.99
10PA080	M	SPST	Off-(On)	Black	1A/125V	1.68	1.62	1.56	1.49	1.34
10PA081	M	SPST	Off-(On)	Black	1A/125V	1.68	1.62	1.56	1.49	1.34
10PA111	N	SPST	Off-(On)	Red	1A/125V	1.46	1.42	1.35	1.31	1.18
10PA112	N	SPST	Off-(On)	Black	1A/125V	1.46	1.42	1.35	1.31	1.18
10PA121	N	SPST	On-(Off)	Red	1A/125V	1.76	1.69	1.62	1.56	1.42
10PA122	N	SPST	On-(Off)	Black	1A/125V	1.76	1.69	1.62	1.56	1.42
10PM031	O	SPST	On-Off	Red	3A/250V	2.71	2.61	2.51	2.41	2.15
10PM021	O	SPST	Off-(On)	Red	3A/250V	1.80	1.73	1.67	1.60	1.45
10PM022	O	SPST	Off-(On)	Black	3A/250V	1.80	1.73	1.67	1.60	1.45
107-3044-EV	P	SPST	Off-(On)	Red	3A/125V	1.86	1.79	1.75	1.73	1.66
107-3046-EV	P	SPST	Off-(On)	Black	3A/125V	1.86	1.79	1.75	1.73	1.66
10PT563	P	SPST	Off-(On)	Cream	3A/125V	1.86	1.79	1.73	1.66	1.50

STANDARD

- Solder terminals

( )=Momentary

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Button Color	Rating	Price Each				
						1	10	100	500	1000
104-0010-EVX	Q	SPST	Off-(On)	White	0.5A/125V	.87	.72	.66	.59	.55
103-1216-EVX	Q	SPST	Off-(On)	Green	1A/125V	.87	.72	.66	.59	.55
104-0012-EVX	Q	SPST	Off-(On)	Red	0.5A/125V	.87	.72	.66	.59	.55
104-0013-EVX	Q	SPST	Off-(On)	Black	0.5A/125V	.87	.72	.66	.59	.55
103-1218-EVX	Q	SPST	(Off)-On	Red	1A/125V	1.14	.95	.90	.86	.78
103-1219-EVX	Q	SPST	(Off)-On	Black	1A/125V	1.14	.95	.90	.86	.78
10PA022	R	SPST	Off-(On)	Red	1A/125V	1.47	1.22	1.11	1.01	.92
10PA023	R	SPST	Off-(On)	Black	1A/125V	1.47	1.22	1.11	1.01	.92
10PA032	S	SPST	Off-(On)	Red	1A/125V	3.22	2.68	2.44	2.22	1.96
10PA033	S	SPST	Off-(On)	Black	1A/125V	3.22	2.68	2.44	2.22	1.96
104-0042-EVX	T	SPST	Off-(On)	Red	3A/125V	1.78	1.48	1.35	1.22	1.12
104-0043-EVX	T	SPST	Off-(On)	Black	3A/125V	1.78	1.48	1.35	1.22	1.12

MOLDED PLASTIC

- Solder terminals

( )=Momentary

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Color	Rating	Price Each				
						1	10	100	500	1000
10PA210	U	SPST	Off-(On)	Red	1A/125V	1.21	1.17	1.12	1.08	.98
10PA211	U	SPST	Off-(On)	Black	1A/125V	1.28	1.22	1.18	1.12	.95
10PA005	V	SPST	Off-(On)	Red	3A/125V	1.17	1.11	1.08	1.04	.94
107-DS412W	V	SPST	Off-(On)	White	3A/125V	1.17	1.11	1.08	1.04	.94

MOUNTAIN SWITCH Pushbutton Switches

MOUNTAIN SWITCH DPS SERIES PUSHBUTTON SWITCHES

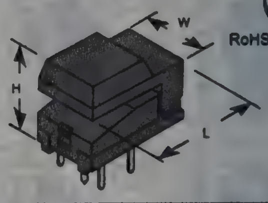
Specifications:
- Rating: 12mA/24VDC
- Contact material: gold plated copper alloy
- Operating force: 200gf max.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cap Style	Cap Color	Dimensions: mm L x W x H	Price Each				
				1	10	50	100	200
107-DPS-01-1-EV	Small	Black	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
107-DPS-01-2-EV	Small	Gray	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
107-DPS-01-4-EV	Small	Blue	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
107-DPS-01-5-EV	Small	Red	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
107-DPS-01-8-EV	Small	White	17.7 x 12.2 x 14.5	3.27	2.70	2.28	1.89	1.80
107-DPS-11-1-EV	Large	Black	17.7 x 17.2 x 14.5	3.27	2.70	2.28	1.89	1.80
107-DPS-11-2-EV	Large	Gray	17.7 x 17.2 x 14.5	3.27	2.70	2.28	1.89	1.80
107-DPS-11-4-EV	Large	Blue	17.7 x 17.2 x 14.5	3.27	2.70	2.28	1.89	1.80
107-DPS-11-5-EV	Large	Red	17.7 x 17.2 x 14.5	3.27	2.70	2.28	1.89	1.80

DIMENSIONS: mm

RoHS Compliant



MOUNTAIN SWITCH SP SERIES ILLUMINATED PUSHBUTTON SWITCHES

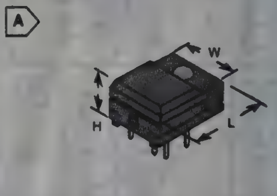
Specifications:
- Rating: 12mA/24VDC
- Type: SPDT
- Operating Force: 200gf max

For quantities of 500 and up, call for quote.

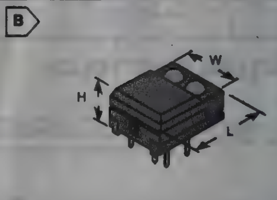
MOUSER STOCK NO.	Fig.	Cap Style	Cap Color	LED Color	Dimensions: mm L x W x H	Price Each				
						1	10	50	100	200
107-SP86-A1-5-01-EV	A	Small	Black	Red	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-A1-5-03-EV	A	Small	Black	Green	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-A1-9-01-EV	A	Small	Gray	Red	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-A1-9-3-EV	A	Small	Gray	Green	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-A1-1-01-EV	A	Small	Red	Red	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-A1-1-03-EV	A	Small	Red	Green	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-A1-4-01-EV	A	Small	White	Red	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-A1-4-03-EV	A	Small	White	Green	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-A2-5-13-EV	B	Small	Black	Red/Green	17.5 x 12.4 x 14.5	4.70	3.89	3.27	2.72	2.58
107-SP86-A2-9-13-EV	B	Small	Gray	Red/Green	17.5 x 12.4 x 14.5	4.70	3.89	3.27	2.72	2.58
107-SP86-B1-5-01-EV	A	Large	Black	Red	17.5 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-B1-5-03-EV	A	Large	Black	Green	17.5 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-B1-9-01-EV	A	Large	Gray	Red	17.5 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-B1-9-03-EV	A	Large	Gray	Green	17.5 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-B1-1-01-EV	A	Large	Red	Red	17.5 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-B1-1-03-EV	A	Large	Red	Green	17.5 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-B1-4-01-EV	A	Large	White	Red	17.5 x 17.2 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-B1-4-03-EV	A	Large	White	Green	17.5 x 12.4 x 14.5	4.27	3.53	2.97	2.47	2.34
107-SP86-B2-5-13-EV	B	Large	Black	Red/Green	17.5 x 12.4 x 14.5	4.70	3.89	3.27	2.72	2.58
107-SP86-B2-9-13-EV	B	Large	Gray	Red/Green	17.5 x 12.4 x 14.5	4.70	3.89	3.27	2.72	2.58

DIMENSIONS: mm

RoHS Compliant



RoHS Compliant



MOUNTAIN SWITCH MICRO ILLUMINATED PUSHBUTTON SWITCHES

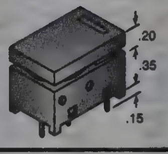
Specifications:
- LED reverse voltage: 4V
- LED forward voltage (IF=20mA): 2.1V
- LED forward current: 25mA
- Type: SPST
- Rating: 1A/125VAC
- PC terminals

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Circuit	LED Color	Button Color	Dimensions: in.		Price Each		
				L	W	1	10	100
107-6610	Off-(On)	Red	Black	.61	.39	2.08	2.01	1.92
107-6612	Off-(On)	Green	Black	.61	.39	2.08	2.01	1.92

DIMENSIONS: in.



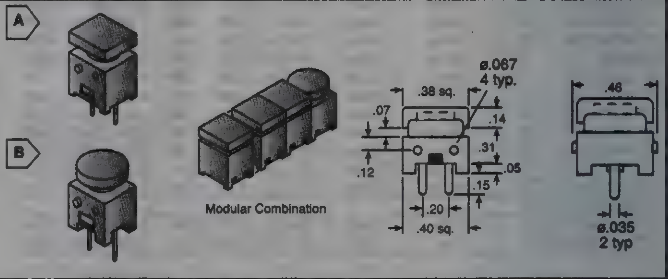
MOUNTAIN SWITCH MIDGET PUSHBUTTON SWITCHES

Specifications:
- Rating: 1A/125VAC
- Insulation resistance: 100MΩ min.
- PC terminals
- Contact resistance: 20mΩ max.
- Dielectric strength: 1000VAC for 1 minute
- Reliability: 50,000 mechanical operations, 30,000 electrical operations
- Circuit: Off-(On), ( ) = Momentary Contact

For quantities of 500 and up, call for quote.

Soft Touch MOUSER STOCK NO.	Fig.	Tactile Touch MOUSER STOCK NO.	Fig.	Button Color	Price Each		
					1	10	100
Square							
10KB041	A	10KB031	A	Red	1.09	1.05	1.01
10KB042	A	10KB032	A	Black	1.09	1.05	1.01
10KB045	A	10KB035	A	White	1.09	1.05	1.01
Round							
10KB021	B	10KB011	B	Red	1.09	1.05	1.01
10KB022	B	10KB012	B	Black	1.09	1.05	1.01
10KB025	B	10KB015	B	White	1.09	1.05	1.01

DIMENSIONS: In.

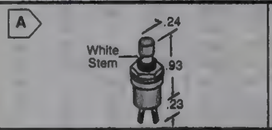


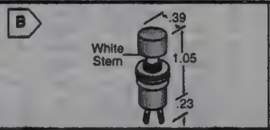
MOUNTAIN SWITCH PUSHBUTTON SWITCHES

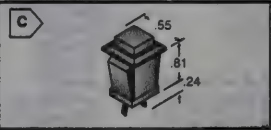
Specifications:
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

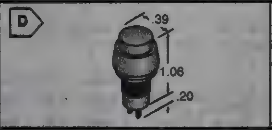
RoHS Compliant

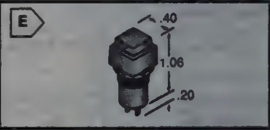
DIMENSIONS: in.











† Stem color is the same as the button color. ( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating VAC	Color		Price Each		
					Frame	Button	1	10	100
103-1012-EVX	A	SPST	Off-(On)	1.5A / 250V	Silver	Red	1.09	.96	.83
†103-1112-EVX	A	SPST	Off-(On)	1.5A / 250V	Silver	Red	1.09	.96	.83
103-1013-EVX	A	SPST	Off-(On)	1.5A / 250V	Silver	Black	1.09	.96	.83
†103-1113-EVX	A	SPST	Off-(On)	1.5A / 250V	Silver	Black	1.09	.96	.83
103-1016-EVX	A	SPST	On-(Off)	1.5A / 250V	Silver	Black	1.09	.96	.83
103-1022-EVX	B	SPST	Off-(On)	1.5A / 250V	Silver	Red	1.15	1.00	.91
103-1023-EVX	B	SPST	Off-(On)	1.5A / 250V	Silver	Black	1.12	.95	.85
103-1209-EV	C	SPST	Off-(On)	1.0A / 125V	Black	Green	.87	.74	.66

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating VAC	Color		Price Each		
					Frame	Button	1	10	100
103-1210-EV	C	SPST	Off-(On)	1.0A / 125V	Black	Red	.87	.74	.66
103-1211-EV	C	SPST	Off-(On)	1.0A / 125V	Black	Black	.87	.74	.66
103-1322-EVX	D	SPST	Off-(On)	3.0A / 125V	Black	Red	2.34	1.94	1.77
103-1323-EVX	D	SPST	Off-(On)	3.0A / 125V	Black	Black	2.34	1.94	1.77
103-1422-EVX	D	SPST	On-Off	1.0A / 125V	Black	Red	2.58	2.16	1.94
103-1423-EVX	D	SPST	On-Off	1.0A / 125V	Black	Black	2.58	2.16	1.94
103-1432-EVX	E	SPST	On-Off	3.0A / 125V	Black	Red	2.86	2.39	2.15

NKK SmartSwitch™ Kits

NKK's SmartSwitch™ programmable LCD switches offer control designers new, expansive options. NKK's SmartSwitch™ technology is suited for a wide variety of applications, displaying industry specific text and graphics with real-time sequencing. Complex switching can be attained when the switches are used in ganged or grouped fashion to facilitate sequential functions. The SmartSwitch™ simplifies and improves complex, multi-decision operations. NKK Switches' SmartSwitch™ can be programmed to display an infinite variety of text, graphics or moving images.

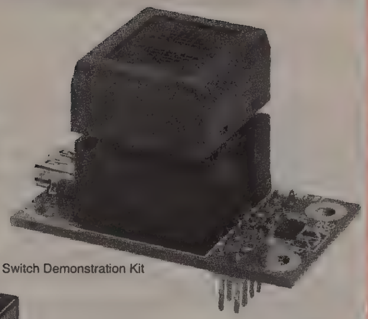
Possible applications include industrial control panels, medical equipment, telecommunication systems, audio-video panels, test and instrumentation devices, simulation equipment, diagnostic tools and automated assembly.

SMARTSWITCH™ DEMONSTRATION KIT

The NKK SmartSwitch™ Demonstration Kits are used to display bitmaps, up to 64, that have been created via the user's PC. These kits are supplied with a red/green LCD module, software, USB cable and programming instructions. Once downloaded, the bitmaps can be displayed and advanced by means of the address control lines without the need of a PC. These kits can be incorporated into your end product as the PCB has been designed with allowance for standoffs. Both units can be made portable by using the battery box which is sold separately.

Features

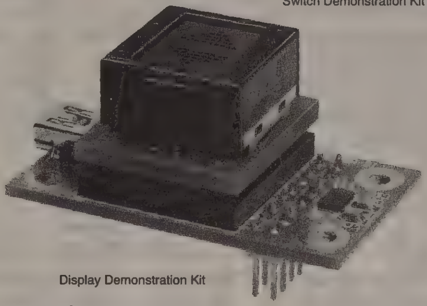
- Can be programmed on line or through stand-alone software provided on CD.
- LCD can be interchanged to meet user's specific color application once designed in.



Switch Demonstration Kit

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Description	Price Each	
			1	10
633-IS-DEMKIT-1	IS-DEM KIT-1	Red/Green Bicolor LCD Switch Demonstration Kit	141.10	131.75
633-IS-DEMKIT-2	IS-DEM KIT-2	Red/Green Bicolor LCD Display Demonstration Kit	164.34	153.45



Display Demonstration Kit

OPTIONAL BATTERY BOX FOR DEMONSTRATION KITS

The Battery Box provides portability to demonstrate functionality without any system connections

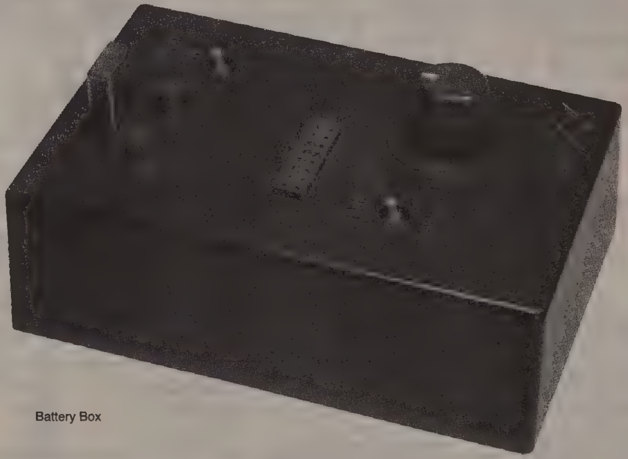
Features

- Power Switch activates power
- FWD/REV Switch directs sequences of bitmaps for IS15 SmartSwitch™
- Knob for cycling bitmaps may also simulate animation
- Socket to mount IS Easy display Controller
- Battery holder accommodates four AA alkaline batteries (not included)

Available Options and Accessories

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each
633-AT-9946	AT9946	Battery Box	56.44



Battery Box

SMARTSWITCH™ DEVELOPMENT KITS

Using the Design Online Tools, engineers can easily program text, draw graphics and experiment with their design concepts. Once completed these programs can be downloaded into the Development Kit. This enables engineers to easily test their programs on actual pushbuttons and displays. Engineers can then present their concepts and product ideas to colleagues and clients.

Display Development Kit

The Display Development Kit utilizes one LCD SmartDisplay™ with a Red/Green bicolor LED and two PCB mounted electromechanical tactile switches, with flash memory, power and programming connections.

Features

- Software can be used online or it can be downloaded to your desktop.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each	
			1	10
633-IS-DEVKIT-1	IS-DEV KIT-1	Development kit consists of (1) LCD module and (2) Switches	240.70	224.75

Display Development Kit

Two Switch Development Kit

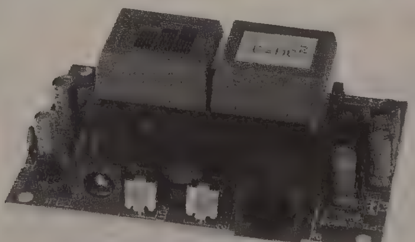
The Two Switch Development Kit utilizes two LCD SmartSwitches with a Red/Green Bicolor LED on a PC board with flash memory, power and programming connections.

Features

- Software can be used online or it can be downloaded to your desktop.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Mfr. Part No.	Description	Price Each	
			1	10
633-IS-DEVKIT-2	IS-DEV KIT-2	Development kit consists (2) SmartSwitches™	240.70	224.75



Two Switch Development Kit

NKK Pushbutton Switches

NKK MB2000 SERIES: MINIATURE PUSHBUTTONS

- Plunger threaded for screw-on caps
- Power Rating: 6A @ 125 VAC OR 3A @ 30 VDC

RoHS Compliant

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each			
					1	25	50	100
Standard Bushing-Solder Lug Mount								
633-MB201101-RO	MB2011SS1W01-RO	A	SPDT On-(On)	Silver	5.10	4.34	3.83	3.67
633-MB206501-RO	MB2065SS1W01-RO	A	SPDT On-On	Silver	5.30	4.51	3.98	3.82
633-MB206101-RO	MB2061SS1W01-RO	A	DPDT On-(On)	Silver	6.85	5.83	5.15	4.93
633-MB208501-RO	MB2085SS1W01-RO	A	DPDT On-On	Silver	7.30	6.21	5.48	5.26
633-MB218101-RO	MB2181SS1W01-RO	A	4PDT On-(On)	Silver	11.90	10.12	8.93	8.57
633-MB218501-RO	MB2185SS1W01-RO	A	4PDT On-On	Silver	12.40	10.54	9.30	8.93
Standard Bushing-PC Mount								
633-MB201103-RO	MB2011SS1W03-RO	A	SPDT On-(On)	Silver	5.22	4.44	3.92	3.76
633-MB206503-RO	MB2065SS1W03-RO	A	SPDT On-On	Silver	4.34	4.12	3.91	3.69
633-MB206103-RO	MB2061SS1W03-RO	A	DPDT On-(On)	Silver	7.09	6.04	5.33	5.10
633-MB208503-RO	MB2085SS1W03-RO	A	DPDT On-On	Silver	7.54	6.41	5.66	5.43
633-MB218503-RO	MB2185SS1W03-RO	A	4PDT On-On	Silver	13.28	11.29	9.96	9.56
Screw-On Caps for Standard Bushing			Description					
633-AT407A	AT407A	B	.394" X .315", black		.51	.42	.38	.37
633-AT407B	AT407B	B	.394" X .315", white		.51	.42	.38	.37
633-AT407C	AT407C	B	.394" X .315", red		.51	.42	.38	.37
633-AT413A	AT413A	B	.315" X .256", black		.46	.38	.34	.33
633-AT413B	AT413B	B	.315" X .256", white		.46	.38	.34	.33
633-AT413C	AT413C	B	.315" X .256", red		.46	.38	.34	.33
Large Bushing-Solder Lug Mount								
633-MB201107-RO	MB2011SB1W01-RO	C	SPDT On-(On)	Silver	5.84	5.55	5.26	4.96
633-MB206507-RO	MB2065SB1W01-RO	C	SPDT On-On	Silver	7.50	6.45	5.55	5.40
633-MB206107-RO	MB2061SB1W01-RO	C	DPDT On-(On)	Silver	7.24	6.88	6.52	6.15
633-MB208507-RO	MB2085SB1W01-RO	C	DPDT On-On	Silver	9.50	8.17	7.03	6.84
633-MB218107-RO	MB2181SB1W01-RO	C	4PDT On-(On)	Silver	14.10	12.13	10.43	10.15
633-MB218506-RO	MB2185SB1W01-RO	C	4PDT On-On	Silver	14.60	12.56	10.80	10.51
Screw-On Caps for Large Bushing			Description					
633-AT078A	AT078A	B	.315" X .256", black		.88	.77	.65	.63
633-AT079A	AT079A	B	.394" X .315", black		1.00	.87	.74	.71
633-AT079B	AT079B	B	.394" X .315", white		1.00	.87	.74	.71
633-AT414A	AT414A	D	.520" X .433", black		.60	.50	.45	.42
633-AT414B	AT414B	D	.520" X .433", white		.60	.50	.45	.42
633-AT414C	AT414C	D	.520" X .433", red		.60	.50	.45	.42

NKK MB2400 SERIES: MINIATURE SNAP ACTION PUSHBUTTONS

- Plunger: Brass w/ nickel plating
- Stainless steel frame
- Contacts: Gold-0.4VA max @ 28V AC/DC max.
  Silver 3A @ 125 VAC

RoHS Compliant

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each			
					1	25	50	100
Threaded Bushing w/ D Flat and Solder Lug Mount								
633-MB241108	MB2411E1W01-RO	E	SPDT On-(On)	Silver	5.18	4.45	3.83	3.73
633-MB246108	MB2461E1W01-RO	E	DPDT On-(On)	Silver	7.11	6.11	5.26	5.12
633-MB241109-RO	MB2411E1G01-RO	E	SPDT On-(On)	Gold	5.60	4.82	4.14	4.03
633-MB246109-RO	MB2461E1G01-RO	E	DPDT On-(On)	Gold	7.95	6.84	5.88	5.72
Smooth Bushing w/ Keyway, Right Angle PC Mount								
633-MB241110-RO	MB2411A2W30-RO	F	SPDT On-(On)	Silver	5.98	5.14	4.54	4.31
633-MB246110-RO	MB2461A2W30-RO	F	DPDT On-(On)	Silver	8.71	7.49	6.62	6.27
Slip-on Caps for MB Series			Description					
633-AT475A	AT475A	G	.201" X .157", black		.26	.22	.19	.18
633-AT475B	AT475B	G	.201" X .157", white		.26	.22	.19	.18
633-AT475C	AT475C	G	.201" X .157", red		.26	.22	.19	.18
633-AT496A	AT496A	H	.295" X .157", black		.32	.28	.24	.23
633-AT496B	AT496B	H	.295" X .157", white		.32	.28	.24	.23
633-AT496C	AT496C	H	.295" X .157", red		.32	.28	.24	.23
Snap-in Mount w/ Red Cap, Black Bezel								
633-MB241112	MB2411JW01-C-1A	I	SPDT On-(On)	Silver	7.26	6.24	5.38	5.08
633-MB246112	MB2461JW01-C-1A	I	DPDT On-(On)	Silver	9.79	8.41	7.43	6.44

NKK UB SERIES: LOW PROFILE PUSHBUTTONS

- Contacts Ratings: Silver 5A @ 125/250V AC
  Gold 0.4VA max @ 28V AC/DC max
- Solder Lug

RoHS Compliant

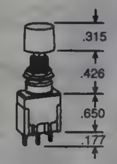
( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit (SPDT)	Contacts	Cap Color	Price Each			
						1	25	50	100
633-UB15KKW01N-A	UB15KKW01N-A	J	SPDT On-(On)	Silver	Black	6.31	5.69	5.29	4.94
633-UB15KKW01N-B	UB15KKW01N-B	J	SPDT On-(On)	Silver	White	6.31	5.69	5.29	4.94
633-UB15KKW01N-C	UB15KKW01N-C	J	SPDT On-(On)	Silver	Red	6.31	5.69	5.29	4.94
633-UB16KKW01N-A	UB16KKW01N-A	J	SPDT On-On	Silver	Black	7.09	6.39	5.94	5.55
633-UB16KKW01N-C	UB16KKW01N-C	J	SPDT On-On	Silver	Red	7.09	6.39	5.94	5.55
633-UB15KKG01N-A	UB15KKG01N-A	J	SPDT On-(On)	Gold	Black	6.75	6.09	5.66	5.29
633-UB15KKG01N-C	UB15KKG01N-C	J	SPDT On-(On)	Gold	Red	6.75	6.09	5.66	5.29
633-UB16KKG01N-B	UB16KKG01N-B	J	SPDT On-On	Gold	White	7.53	6.79	6.31	5.90

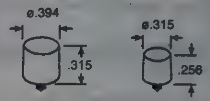
DIMENSIONS: in.

A

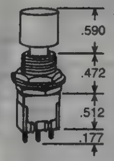


Shown w/optional cap AT407

B

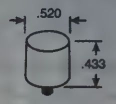


C

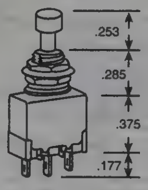


Shown w/optional cap AT414

D

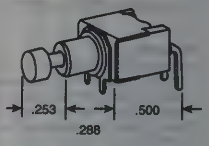


E



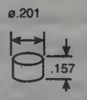
Shown w/optional cap AT475

F

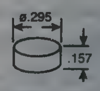


Shown w/optional cap AT475

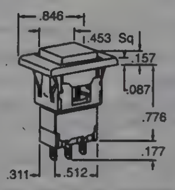
G



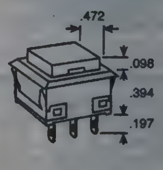
H



I



J



NKK Pushbutton Switches

NKK PROCESS SEALED PUSHBUTTON SWITCHES

NKK AB Series: Process Sealed Submini Pushbuttons

Specifications:
- Actuator: .213" length plunger
- 0.4 VA max. @ 28 VAC/DC max.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Terminal	Price Each			
					1	25	50	100
633-AB11AP	AB11AP	A	SPST Off-(On)	PCB Straight	3.90	3.35	2.89	2.81
633-AB15AP	AB15AP	A	SPDT On-(On)	PCB Straight	3.95	3.40	2.92	2.84
633-AB25AP	AB25AP	A	DPDT On-(On)	PCB Straight	5.05	4.34	3.74	3.64
633-AB15AH-RO	AB15AH-RO	B	SPDT On-(On)	PCB R/A	4.55	3.91	3.37	3.28
Slip-On Caps for A Series			Description					
633-AT475A	AT475A	C	.201" X .157", black		.26	.22	.19	.18
633-AT475B	AT475B	C	.201" X .157", white		.26	.22	.19	.18
633-AT475C	AT475C	C	.201" X .157", red		.26	.22	.19	.18
633-AT496A	AT496A	D	.295" X .157", black		.32	.28	.24	.23
633-AT496B	AT496B	D	.295" X .157", white		.32	.28	.24	.23
633-AT496C	AT496C	D	.295" X .157", red		.32	.28	.24	.23

NKK GB Series: Process Sealed Ultra-Mini Pushbuttons

Specifications:
- Actuator: .130" length plunger
- 0.4VA max. @ 28 VAC/DC max.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Terminal	Price Each			
					1	25	50	100
633-GB15AP-RO	GB15AP-RO	E	SPDT On-(On)	PCB Straight	4.70	4.04	3.48	3.38
633-GB25AP	GB25AP	E	DPDT On-(On)	PCB Straight	5.40	4.64	4.00	3.89
633-GB15AH-RO	GB15AH-RO	F	SPDT On-(On)	PCB R/A	5.28	4.54	3.91	3.80
633-GB25AH-RO	GB25AH-RO	F	DPDT On-(On)	PCB R/A	6.50	5.59	4.81	4.68
Slip-On Caps for G Series			Description					
633-AT4063A	AT4063A	G	.157" X .094", Black		.26	.22	.19	.18
633-AT4063B	AT4063B	G	.157" X .094", White		.26	.22	.19	.18
633-AT4063C	AT4063C	G	.157" X .094", Red		.26	.22	.19	.18

NKK FB SERIES: 0.5 AMP MOMENTARY PUSHBUTTONS

Specifications:
- Actuator: White plunge
- Contacts: Silver 500mA@125VAC

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Terminal	Price Each			
					1	25	50	100
633-FB15ANEP2	FB15ANEP2	H	SPST Off-(On)	PC/Turret	3.65	3.20	2.55	2.48
Slip-on Caps for FB Series			Description					
633-AT475A	AT475A	C	.201" X .157", black		.26	.22	.19	.18
633-AT475B	AT475B	C	.201" X .157", white		.26	.22	.19	.18
633-AT475C	AT475C	C	.201" X .157", red		.26	.22	.19	.18
633-AT496A	AT496A	D	.295" X .157", black		.32	.28	.24	.23
633-AT496B	AT496B	D	.295" X .157", white		.32	.28	.24	.23
633-AT496C	AT496C	D	.295" X .157", red		.32	.28	.24	.23

NKK SB SERIES: 3 AMP MOMENTARY PUSHBUTTONS

Specifications:
- Actuator: Black plunger
- Contacts: Silver 3A @ 125VAC or 2A @ 30VDC

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Terminal	Price Each			
					1	25	50	100
633-SB4011NOM-RO	SB4011NOM-RO	I	SPST Off-(On)	Solder Lug	4.10	3.53	3.03	2.95
633-SB4011NCM-RO	SB4011NCM-RO	I	SPST On-(Off)	Solder Lug	4.10	3.53	3.03	2.95
Slip-on Caps for SB Series			Description					
633-AT422A	AT422A	J	.394" X .236", black		.40	.34	.28	.27
633-AT422B	AT422B	J	.394" X .236", white		.40	.34	.28	.27
633-AT422C	AT422C	J	.394" X .236", red		.40	.34	.28	.27

NKK ENVIRONMENTALLY SEALED PUSHBUTTON SWITCHES

Specifications:
- Power rating: 6A @ 125VAC, 3A @ 250VAC, 6A @ 30VDC
- IP67 of IEC529
- UL94V-0 Rated
- Wire leads: AWG 16 heat resistant PVC
- .520" Dia. Black Cap

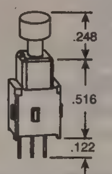
RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Terminal	Price Each			
					1	25	50	100
633-WB12S-RO	WB12S-DA-RO	K	SPDT On-None-On	Solder Lug	15.54	15.20	14.30	13.41
633-WB12T-RO	WB12T-DA-RO	K	SPDT On-None-On	Screw Lug	17.24	15.84	14.91	13.98
633-WB12L-RO	WB12L-DA-RO	K	SPDT On-None-On	Wire Leads	30.78	28.29	26.62	24.96
633-WB15S-RO	WB15S-DA-RO	K	SPDT On-None-(On)	Solder Lug	17.24	15.84	14.91	13.98
633-WB15T-RO	WB15T-DA-RO	K	SPDT On-None-(On)	Screw Lug	17.96	16.51	15.54	14.57
633-WB15L-RO	WB15L-DA-RO	K	SPDT On-None-(On)	Wire Leads	31.49	28.93	27.23	25.53

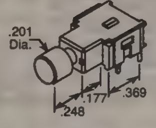
DIMENSIONS: In.

A



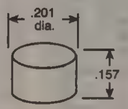
Shown w/optional
cap AT475

B

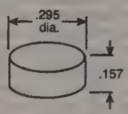


Shown w/optional
cap AT475

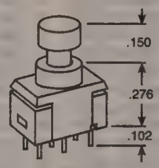
C



D

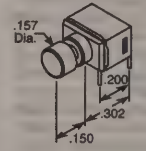


E



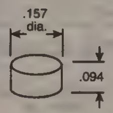
Shown w/optional
cap AT4063

F

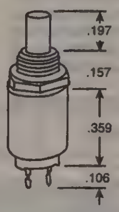


Shown w/optional
cap AT4063

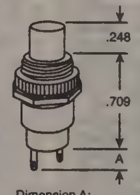
G



H

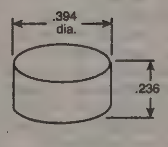


I

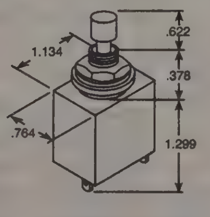


Dimension A:
SB4011NOM = .157
SB4011NCM = .197

J



K



NKK Low Profile Pushbutton Switches

Bright LED's

LED Specifications	Color			Units
	Red	Amber	Green	
Forward Peak Current	30	30	25	mA
Cont. Forward Crnt.	20	20	20	mA
Forward Voltage	1.85	2	2.1	V
Reverse Peak Voltage	5	5	5	V
Crnt. Reduction Rate Above 25°C	0.40	0.42	0.46	mA/°C
Ambient Temp. Range	-25°C ~ +50°C			

UB Series Super Bright LEDs

LED Specifications	White	Green	Blue	Units
Forward Peak Current	25	25	25	mA
Cont. Forward Crnt.	20	20	20	mA
Forward Voltage	3.8	3.8	3.8	V
Reverse Peak Voltage	5	5	5	V
Crnt. Reduction Rate Above 25°C	0.47	0.47	0.47	mA/°C
Ambient Temp. Range	-25°C ~ +50°C			

UB2 Series Super Bright LEDs

LED Specifications	White	Green	Blue	Red/ Green	Units
Forward Peak Current	25	25	25	30/25	mA
Cont. Forward Crnt.	20	20	20	20/20	mA
Forward Voltage	3.6	3.5	3.6	2.1/3.5	V
Reverse Peak Voltage	5	5	5	4/4	V
Crnt. Reduction Rate Above 25°C	0.40	0.40	0.40	0.4/0.33	mA/°C
Ambient Temp. Range	-25°C ~ +50°C				

NKK UB SERIES: LOW PROFILE ILLUMINATED PUSHBUTTONS

Specifications:

- Contacts Ratings: Silver 5A @ 125/250V AC
- Full Face and Spot Illumination Caps
- Bright and Super Bright LEDs
- Solder Lug

∗ Spot Illumination

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Colors			Price Each		
				LED	Cap	Diffuser	1	25	50
633-UB15KKW015C-JC-RO	UB15KKW015C-JC-RO	A	SPDT On-(On)	Bright Red	Clear	Red	8.01	7.21	6.71
633-15KKW015DJD-RO	UB15KKW015D-JD-RO	A	SPDT On-(On)	Bright Amber	Clear	Amber	8.01	7.21	6.71
633-UB15KKW015F-JF-RO	UB15KKW015F-JF-RO	A	SPDT On-(On)	Bright Green	Clear	Green	8.01	7.21	6.71
633-UB15KKW015C-CC-RO	UB15KKW015C-CC-RO	A	SPDT On-(On)	Bright Red	Red	Red	8.01	7.21	6.71
633-UB15KKW015DDD-RO	UB15KKW015D-DD-RO	A	SPDT On-(On)	Bright Amber	Amber	Amber	8.01	7.21	6.71
633-UB15KKW015F-FF-RO	UB15KKW015F-FF-RO	A	SPDT On-(On)	Bright Green	Green	Green	8.01	7.21	6.71
633-UB15KKW015C-AB-RO	UB15KKW015C-AB-RO	A	SPDT On-(On)	Bright Red	Black	Red∗	9.25	8.33	7.75
633-UB15KKW015D-AB	UB15KKW015D-AB-RO	A	SPDT On-(On)	Bright Amber	Black	Amber∗	9.25	8.33	7.75
633-UB15KKW015F-AB-RO	UB15KKW015F-AB-RO	A	SPDT On-(On)	Bright Green	Black	Green∗	9.25	8.33	7.75
633-UB16KKW015C-JC-RO	UB16KKW015C-JC-RO	A	SPDT On-On	Bright Red	Clear	Red	8.79	7.91	7.36
633-UB16KKW015D-JD-RO	UB16KKW015D-JD-RO	A	SPDT On-On	Bright Amber	Clear	Amber	8.79	7.91	7.36
633-UB16KKW015FJF-RO	UB16KKW015F-JF-RO	A	SPDT On-On	Bright Green	Clear	Green	8.79	7.91	7.36
633-UB16KKW015C-CC-RO	UB16KKW015C-CC-RO	A	SPDT On-On	Bright Red	Red	Red	8.79	7.91	7.36
633-UB16KKW015D-DD-RO	UB16KKW015D-DD-RO	A	SPDT On-On	Bright Amber	Amber	Amber	8.79	7.91	7.36
633-UB16KKW015FFF-RO	UB16KKW015F-FF-RO	A	SPDT On-On	Bright Green	Green	Green	8.79	7.91	7.36
633-UB16KKW015C-AB-RO	UB16KKW015C-AB-RO	A	SPDT On-On	Bright Red	Black	Red∗	10.03	9.03	8.40
633-UB16KKW015F-AB-RO	UB16KKW015F-AB-RO	A	SPDT On-On	Bright Green	Black	Green∗	10.03	9.03	8.40
633-UB25KKW015C-JC-RO	UB25KKW015C-JC-RO	A	DPDT On-(On)	Bright Red	Clear	Red	10.18	9.19	8.53
633-UB25KKW015F-JF-RO	UB25KKW015F-JF-RO	A	DPDT On-(On)	Bright Green	Clear	Green	10.18	9.19	8.53
633-UB25KKW015F-JF-RO	UB25KKW015C-CC-RO	A	DPDT On-(On)	Bright Red	Red	Red	10.18	9.19	8.53
633-UB25KKW015D-DD-RO	UB25KKW015D-DD-RO	A	DPDT On-(On)	Bright Amber	Amber	Amber	10.18	9.19	8.53
633-UB25KKW015F-FF-RO	UB25KKW015F-FF-RO	A	DPDT On-(On)	Bright Green	Green	Green	10.18	9.19	8.53
633-UB26KKW015FJF-RO	UB26KKW015F-JF-RO	A	DPDT On-On	Bright Green	Clear	Green	10.73	9.69	8.99
633-UB26KKW015C-CC-RO	UB26KKW015C-CC-RO	A	DPDT On-On	Bright Red	Red	Red	10.73	9.69	8.99
633-UB26KKW015F-RO	UB26KKW015F-FF-RO	A	DPDT On-On	Bright Green	Green	Green	10.73	9.69	8.99
633-UB26KKW015C-AB-RO	UB26KKW015C-AB-RO	A	DPDT On-On	Bright Red	Black	Red∗	11.97	10.80	10.03
633-UB26KKW015D-AB-RO	UB26KKW015D-AB-RO	A	DPDT On-On	Bright Amber	Black	Amber∗	11.97	10.80	10.03
633-UB26KKW015F-AB-RO	UB26KKW015F-AB-RO	A	DPDT On-On	Bright Green	Black	Green∗	11.97	10.80	10.03
633-UB15KKW016B-JB	UB15KKW016B-JB	A	SPDT On-(On)	Super Bright White	Clear	White	20.61	18.60	17.27
633-UB15KKW016F-JB	UB15KKW016F-JB	A	SPDT On-(On)	Super Bright Green	Clear	White	20.61	18.60	17.27
633-UB15KKW016G-JB	UB15KKW016G-JB	A	SPDT On-(On)	Super Bright Blue	Clear	White	20.61	18.60	17.27
633-UB16KKW016G-JB	UB16KKW016G-JB	A	SPDT On-On	Super Bright Blue	Clear	White	21.39	19.31	17.92
633-UB25KKW016B-JB	UB25KKW016B-JB	A	DPDT On-(On)	Super Bright White	Clear	White	22.77	20.56	19.08
633-UB26KKW016G-JB	UB26KKW016G-JB	A	DPDT On-On	Super Bright Blue	Clear	White	23.33	21.06	19.55

NKK UB2 SERIES: LOW PROFILE ILLUMINATED PUSHBUTTONS

Specifications:

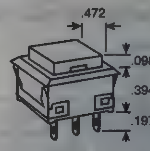
- Contacts & Ratings: Silver Rated 5A @ 125/250V AC
- Sculptured Caps
- Bright and Super Bright LEDs
- Solder Lug

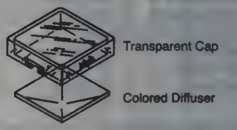
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Colors			Price Each		
				LED	Cap	Diffuser	1	25	50
633-215KKW015C-1JB	UB215KKW015C-1JB-RO	B	SPDT On-(On)	Bright Red	Clear	White	10.03	9.63	9.03
633-215KKW015D1JB-RO	UB215KKW015D-1JB-RO	B	SPDT On-(On)	Bright Amber	Clear	White	10.03	9.63	9.03
633-215KKW015F-1JB-RO	UB215KKW015F-1JB-RO	B	SPDT On-(On)	Bright Green	Clear	White	10.03	9.63	9.03
633-215KKW015C-1JC-RO	UB215KKW015C-1JC-RO	B	SPDT On-(On)	Bright Red	Clear	Red	10.03	9.63	9.03
633-215KKW015D1JD-RO	UB215KKW015D-1JD-RO	B	SPDT On-(On)	Bright Amber	Clear	Amber	10.03	9.63	9.03
633-215KKW015F-1JF-RO	UB215KKW015F-1JF-RO	B	SPDT On-(On)	Bright Green	Clear	Green	10.03	9.63	9.03
633-215KKW016CF-1JB	UB215KKW016CF-1JB	B	SPDT On-(On)	Super Bright R/G	Clear	White	13.93	13.38	12.54
633-216KKW015C-1JB-RO	UB216KKW015C-1JB-RO	B	SPDT On-On	Bright Red	Clear	White	10.73	10.30	9.66
633-216KKW015F-1JB-RO	UB216KKW015F-1JB-RO	B	SPDT On-On	Bright Green	Clear	White	10.73	10.30	9.66
633-216KKW015C-1JC-RO	UB216KKW015C-1JC-RO	B	SPDT On-On	Bright Red	Clear	Red	10.73	10.30	9.66
633-216KKW015D-1JD-RO	UB216KKW015D-1JD-RO	B	SPDT On-On	Bright Amber	Clear	Amber	10.73	10.30	9.66
633-216KKW01CF-1JB	UB216KKW016CF-1JB	B	SPDT On-On	Super Bright R/G	Clear	White	14.63	14.05	13.17
633-225KKW015C-1JB-RO	UB225KKW015C-1JB-RO	B	DPDT On-(On)	Bright Red	Clear	White	12.08	11.60	10.88
633-225KKW015F-1JB-RO	UB225KKW015F-1JB-RO	B	DPDT On-(On)	Bright Green	Clear	White	12.08	11.60	10.88
633-225KKW015F-1JF-RO	UB225KKW015F-1JF-RO	B	DPDT On-(On)	Bright Green	Clear	Green	12.08	11.60	10.88
633-225KKW01CF-1JB-RO	UB225KKW016CF-1JB-RO	B	DPDT On-(On)	Super Bright R/G	Clear	White	15.98	15.34	14.39
633-226KKW015C-1JB-RO	UB226KKW015C-1JB-RO	B	DPDT On-On	Bright Red	Clear	White	13.08	12.56	11.78
633-226KKW015D-1JB-RO	UB226KKW015D-1JB-RO	B	DPDT On-On	Bright Amber	Clear	White	13.08	12.56	11.78
633-226KKW015F-1JB-RO	UB226KKW015F-1JB-RO	B	DPDT On-On	Bright Green	Clear	White	13.08	12.56	11.78
633-226KKW015C-1JC-RO	UB226KKW015C-1JC-RO	B	DPDT On-On	Bright Red	Clear	Red	13.08	12.56	11.78
633-226KKW015D-1JD-RO	UB226KKW015D-1JD-RO	B	DPDT On-On	Bright Amber	Clear	Amber	13.08	12.56	11.78
633-226KKW015F-1JF-RO	UB226KKW015F-1JF-RO	B	DPDT On-On	Bright Green	Clear	Green	13.08	12.56	11.78
633-226KKW01CF-1JB-RO	UB226KKW016CF-1JB-RO	B	DPDT On-On	Super Bright R/G	Clear	White	16.98	16.30	15.29
633-215KKW016B1JB-RO	UB215KKW016B-1JB-RO	B	SPDT On-(On)	Super Bright White	Clear	White	22.90	20.67	19.19
633-215KKW016G1JB-RO	UB215KKW016G-1JB-RO	B	SPDT On-(On)	Super Bright Blue	Clear	White	22.90	20.67	19.19
633-216KKW016B1JB-RO	UB216KKW016B-1JB-RO	B	SPDT On-On	Super Bright White	Clear	White	23.68	21.38	19.84
633-216KKW016G1JB-RO	UB216KKW016G-1JB-RO	B	SPDT On-On	Super Bright Blue	Clear	White	23.68	21.38	19.84
633-226KKW016B-1JB-RO	UB226KKW016B-1JB-RO	B	DPDT On-On	Super Bright White	Clear	White	26.29	23.73	22.03
633-226KKW016F-1JB-RO	UB226KKW016F-1JB-RO	B	DPDT On-On	Super Bright Green	Clear	White	26.29	23.73	22.03
633-226KKW016G-1JB-RO	UB226KKW016G-1JB-RO	B	DPDT On-On	Super Bright Blue	Clear	White	26.29	23.73	22.03

DIMENSIONS: In.

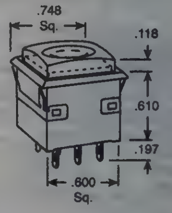
A

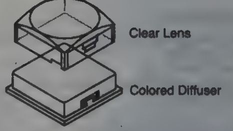




Black
w/Spot Illumination

B



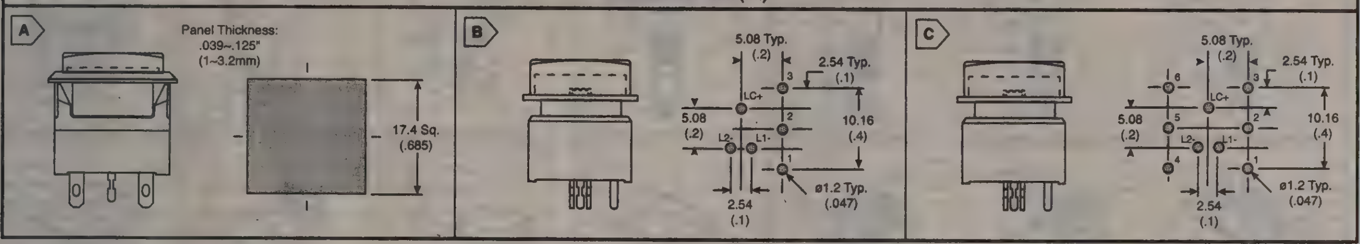


NKK Low Profile Pushbutton Switches

RoHS Compliant **This page of product is compliant.**

NKK UB2 SERIES: LOW PROFILE ILLUMINATED PUSHBUTTON SWITCHES WITH ALTERNATING LEGENDS

DIMENSIONS: mm (in.)



Specifications:

- Contacts & Ratings: 5A @ 125/250 VAC; 5A @ 30 VDC
- Operation Temperature: -25°C to +50°C
- Alternating Legends in choice of sculptured or flat caps
- Super Bright LED's, Red/Green
- Epoxy Sealed Terminals
- PCB or Snap In Mounting
- Bezel not available for PCB Mount

Alternating Legends:

Combination	Legend / LED Color	
ON / OFF	"ON" / Green	"OFF" / Red
START / STOP	"START" / Green	"STOP" / Red
OPEN / CLOSE	"OPEN" / Green	"CLOSE" / Red

UL c UL us LISTED RoHS Compliant

Sculptured Cap with Built-In Bezel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Contacts	Terminals	Cap Legend	Price Each		
							1	25	50
633-UB215KKW01-4J01	UB215KKW016CF-4J01	A	SPDT ON (ON)	Silver	Solder	ON/OFF	18.54	17.98	17.42
633-UB215KKW01-4J02	UB215KKW016CF-4J02	A	SPDT ON (ON)	Silver	Solder	START/STOP	18.54	17.98	17.42
633-UB215KKW01-4J04	UB215KKW016CF-4J04	A	SPDT ON (ON)	Silver	Solder	OPEN/CLOSE	18.54	17.98	17.42
633-UB216KKW01-4J01	UB216KKW016CF-4J01	A	SPDT ON ON	Silver	Solder	ON/OFF	19.24	18.65	18.07
633-UB216KKW16CF4J2	UB216KKW016CF-4J02	A	SPDT ON ON	Silver	Solder	START/STOP	19.24	18.65	18.07
633-UB216KKW01-4J04	UB216KKW016CF-4J04	A	SPDT ON ON	Silver	Solder	OPEN/CLOSE	19.24	18.65	18.07
633-UB225KKW01-4J01	UB225KKW016CF-4J01	A	DPDT ON (ON)	Silver	Solder	ON/OFF	20.57	19.95	19.33
633-UB225KKW01-4J02	UB225KKW016CF-4J02	A	DPDT ON (ON)	Silver	Solder	START/STOP	20.57	19.95	19.33
633-UB225KKW01-4J04	UB225KKW016CF-4J04	A	DPDT ON (ON)	Silver	Solder	OPEN/CLOSE	20.57	19.95	19.33
633-UB226KKW01-4J01	UB226KKW016CF-4J01	A	DPDT ON ON	Silver	Solder	ON/OFF	21.56	20.91	20.26
633-UB226KKW01-4J02	UB226KKW016CF-4J02	A	DPDT ON ON	Silver	Solder	START/STOP	21.56	20.91	20.26
633-UB226KKW01-4J04	UB226KKW016CF-4J04	A	DPDT ON ON	Silver	Solder	OPEN/CLOSE	21.56	20.91	20.26

Sculptured Cap, no Bezel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Contacts	Terminals	Cap Legend	Price Each		
							1	25	50
633-UB215SKG03-4J01	UB215SKG036CF-4J01	B	SPDT ON (ON)	Gold	PCB	ON/OFF	18.94	18.36	17.79
633-UB215SKG03-4J02	UB215SKG036CF-4J02	B	SPDT ON (ON)	Gold	PCB	START/STOP	18.94	18.36	17.79
633-UB215SKG03-4J04	UB215SKG036CF-4J04	B	SPDT ON (ON)	Gold	PCB	OPEN/CLOSE	18.94	18.36	17.79
633-UB216SKG03-4J01	UB216SKG036CF-4J01	B	SPDT ON ON	Gold	PCB	ON/OFF	19.63	19.04	18.44
633-UB216SKG03-4J02	UB216SKG036CF-4J02	B	SPDT ON ON	Gold	PCB	START/STOP	19.63	19.04	18.44
633-UB216SKG03-4J04	UB216SKG036CF-4J04	B	SPDT ON ON	Gold	PCB	OPEN/CLOSE	19.63	19.04	18.44
633-UB225SKG03-4J01	UB225SKG036CF-4J01	C	DPDT ON (ON)	Gold	PCB	ON/OFF	21.36	20.72	20.07
633-UB225SKG03-4J02	UB225SKG036CF-4J02	C	DPDT ON (ON)	Gold	PCB	START/STOP	21.36	20.72	20.07
633-UB225SKG03-4J04	UB225SKG036CF-4J04	C	DPDT ON (ON)	Gold	PCB	OPEN/CLOSE	21.36	20.72	20.07
633-UB226SKG03-4J01	UB226SKG036CF-4J01	C	DPDT ON ON	Gold	PCB	ON/OFF	22.35	21.68	21.00
633-UB226SKG03-4J02	UB226SKG036CF-4J02	C	DPDT ON ON	Gold	PCB	START/STOP	22.35	21.68	21.00
633-UB226SKG03-4J04	UB226SKG036CF-4J04	C	DPDT ON ON	Gold	PCB	OPEN/CLOSE	22.35	21.68	21.00

Flat Cap with Built-In Bezel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Contacts	Terminals	Cap Legend	Price Each		
							1	25	50
633-UB215KKW01-5J01	UB215KKW016CF-5J01	A	SPDT ON (ON)	Silver	Solder	ON/OFF	18.54	17.98	17.42
633-UB215KKW01-5J02	UB215KKW016CF-5J02	A	SPDT ON (ON)	Silver	Solder	START/STOP	18.54	17.98	17.42
633-UB215KKW01-5J04	UB215KKW016CF-5J04	A	SPDT ON (ON)	Silver	Solder	OPEN/CLOSE	18.54	17.98	17.42
633-UB216KKW016CF5J1	UB216KKW016CF-5J01	A	SPDT ON ON	Silver	Solder	ON/OFF	19.24	18.65	18.07
633-UB216KKW01-5J02	UB216KKW016CF-5J02	A	SPDT ON ON	Silver	Solder	START/STOP	19.24	18.65	18.07
633-UB216KKW01-5J04	UB216KKW016CF-5J04	A	SPDT ON ON	Silver	Solder	OPEN/CLOSE	19.24	18.65	18.07
633-UB225KKW01-5J01	UB225KKW016CF-5J01	A	DPDT ON (ON)	Silver	Solder	ON/OFF	20.57	19.95	19.33
633-UB225KKW01-5J02	UB225KKW016CF-5J02	A	DPDT ON (ON)	Silver	Solder	START/STOP	20.57	19.95	19.33
633-UB225KKW01-5J04	UB225KKW016CF-5J04	A	DPDT ON (ON)	Silver	Solder	OPEN/CLOSE	20.57	19.95	19.33
633-UB226KKW01-5J01	UB226KKW016CF-5J01	A	DPDT ON ON	Silver	Solder	ON/OFF	21.56	20.91	20.26
633-UB226KKW01-5J02	UB226KKW016CF-5J02	A	DPDT ON ON	Silver	Solder	START/STOP	21.56	20.91	20.26
633-UB226KKW01-5J04	UB226KKW016CF-5J04	A	DPDT ON ON	Silver	Solder	OPEN/CLOSE	21.56	20.91	20.26

Flat Cap, no Bezel

For quantities of 100 and up, call for quote.

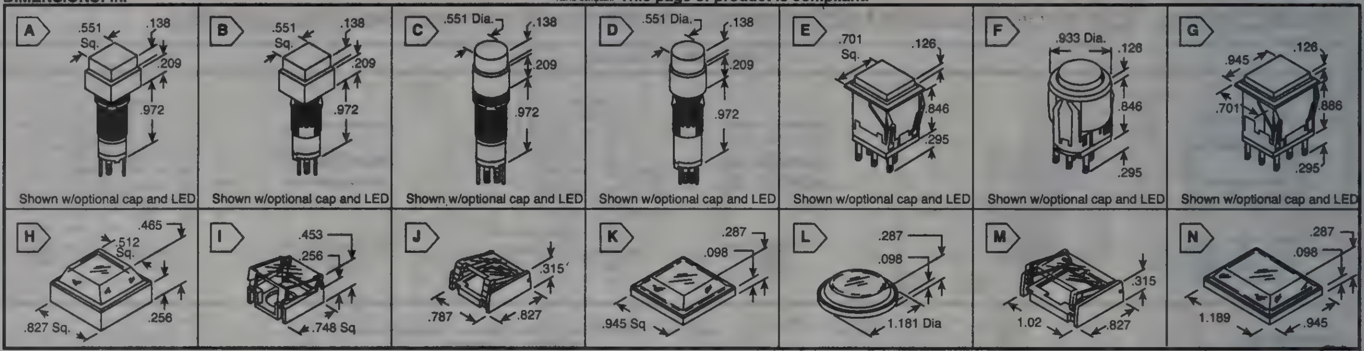
MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Contacts	Terminals	Cap Legend	Price Each		
							1	25	50
633-UB215SKG03-5J01	UB215SKG036CF-5J01	B	SPDT ON (ON)	Gold	PCB	ON/OFF	18.94	18.36	17.79
633-UB215SKG03-5J02	UB215SKG036CF-5J02	B	SPDT ON (ON)	Gold	PCB	START/STOP	18.94	18.36	17.79
633-UB215SKG03-5J04	UB215SKG036CF-5J04	B	SPDT ON (ON)	Gold	PCB	OPEN/CLOSE	18.94	18.36	17.79
633-UB216SKG03-5J01	UB216SKG036CF-5J01	B	SPDT ON ON	Gold	PCB	ON/OFF	19.63	19.04	18.44
633-UB216SKG03-5J02	UB216SKG036CF-5J02	B	SPDT ON ON	Gold	PCB	START/STOP	19.63	19.04	18.44
633-UB216SKG03-5J04	UB216SKG036CF-5J04	B	SPDT ON ON	Gold	PCB	OPEN/CLOSE	19.63	19.04	18.44
633-UB225SKG03-5J01	UB225SKG036CF-5J01	C	DPDT ON (ON)	Gold	PCB	ON/OFF	21.36	20.72	20.07
633-UB225SKG03-5J02	UB225SKG036CF-5J02	C	DPDT ON (ON)	Gold	PCB	START/STOP	21.36	20.72	20.07
633-UB225SKG03-5J04	UB225SKG036CF-5J04	C	DPDT ON (ON)	Gold	PCB	OPEN/CLOSE	21.36	20.72	20.07
633-UB226SKG03-5J01	UB226SKG036CF-5J01	C	DPDT ON ON	Gold	PCB	ON/OFF	22.35	21.68	21.00
633-UB226SKG03-5J02	UB226SKG036CF-5J02	C	DPDT ON ON	Gold	PCB	START/STOP	22.35	21.68	21.00
633-UB226SKG03-5J04	UB226SKG036CF-5J04	C	DPDT ON ON	Gold	PCB	OPEN/CLOSE	22.35	21.68	21.00

NKK Illuminated Pushbutton Switches

NKK SWITCHES

DIMENSIONS: In.

RoHS Compliant **This page of product is compliant.**



Single Element Bright LED Specifications

Color	Red	Amber	Green
Forward Peak Current	30mA	30mA	30mA
Continuous Forward Current	20mA	20mA	20mA
Forward Voltage	1.9V	2.0V	2.1V
Reverse Peak Voltage	5V	5V	5V
Current Reduction Rate Above 25°C	0.42mA/°C	0.42mA/°C	0.42mA/°C
Ambient Temperature Range	-25~+50°C		

Incandescent Lamp Specifications

Voltage AC	5V AC	12V AC
Current	115mA	60mA
Endurance (Hours)	7,000	
Ambient Temperature Range	-25~+50°C	

RoHS Compliant

- All items on page are RoHS Compliant

NKK KB SERIES: ILLUMINATED MINIATURE PUSHBUTTONS

- Polyamide housing and housing base
- Power rating: 1A @ 125/250 VAC or 30 VDC
- Solder Lug

( ) = Momentary **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each		
					1	25	50
Square, Bushing Mounting							
633-KB15SKW01	KB15SKW01	A	SPDT On-(On)	Silver	**5.15**	**4.68**	**4.52**
633-KB16SKW01	KB16SKW01	A	SPDT On-On	Silver	**5.69**	**5.18**	**5.00**
633-KB25SKW01	KB25SKW01	A	DPDT On-(On)	Silver	**6.93**	**6.30**	**6.09**
633-KB26SKW01	KB26SKW01	A	DPDT On-On	Silver	**7.43**	**6.75**	**6.53**
Square, Snap-In Mounting							
633-KB15KKW01	KB15KKW01	B	SPDT On-(On)	Silver	**5.15**	**4.68**	**4.52**
633-KB16KKW01	KB16KKW01	B	SPDT On-On	Silver	**5.69**	**5.18**	**5.00**
633-KB26KKW01	KB26KKW01	B	DPDT On-On	Silver	**7.43**	**6.75**	**6.53**
Snap-on caps for use with square switches and incandescent lamp AT611							
633-AT485BB	AT485BB		Translucent white lens/white filter		**.89**	**.81**	**.76**
633-AT485CB	AT485CB		Translucent red lens/white filter		**.89**	**.81**	**.76**
633-AT485EB	AT485EB		Translucent yellow lens/white filter		**.89**	**.81**	**.76**
633-AT485FB	AT485FB		Translucent green lens/white filter		**.89**	**.81**	**.76**
633-AT485GB	AT485GB		Translucent blue lens/white filter		**.89**	**.81**	**.76**
Snap-on caps for use with square switches and bright LED AT635							
633-AT4133JB	AT4133JB		Clear lens/white translucent diffuser		**.89**	**.81**	**.76**
633-AT4158JC	AT4158JC		Clear lens/red translucent diffuser		**.89**	**.81**	**.76**
633-AT4158JD	AT4158JD		Clear lens/amber translucent diffuser		**.89**	**.81**	**.76**
633-AT4158JF	AT4158JF		Clear lens/green translucent diffuser		**.89**	**.81**	**.76**
Round, Bushing Mounting							
633-KB15CKW01	KB15CKW01	C	SPDT On-(On)	Silver	**5.15**	**4.68**	**4.52**
633-KB16CKW01	KB16CKW01	C	SPDT On-On	Silver	**5.69**	**5.18**	**5.00**
633-KB25CKW01	KB25CKW01	C	DPDT On-(On)	Silver	**6.93**	**6.30**	**6.09**
633-KB26CKW01	KB26CKW01	C	DPDT On-On	Silver	**7.43**	**6.75**	**6.53**
Round, Snap-In Mounting							
633-KB15MKW01	KB15MKW01	D	SPDT On-(On)	Silver	**5.15**	**4.68**	**4.52**
633-KB16MKW01	KB16MKW01	D	SPDT On-On	Silver	**5.69**	**5.18**	**5.00**
633-KB26MKW01	KB26MKW01	D	DPDT On-On	Silver	**7.43**	**6.75**	**6.53**
Snap-on caps for use with round switches and incandescent lamp AT611							
633-AT486BB	AT486BB		Translucent white lens/white filter		**.89**	**.81**	**.76**
633-AT486CB	AT486CB		Translucent red lens/white filter		**.89**	**.81**	**.76**
633-AT486FB	AT486FB		Translucent green lens/white filter		**.89**	**.81**	**.76**
Snap-on caps for use with round switches and bright LED AT635							
633-AT4132JB	AT4132JB		Clear lens/white translucent diffuser		**.89**	**.81**	**.76**
633-AT4160JC	AT4160JC		Clear lens/red translucent diffuser		**.89**	**.81**	**.76**
633-AT4160JD	AT4160JD		Clear lens/amber translucent diffuser		**.89**	**.81**	**.76**
633-AT4160JF	AT4160JF		Clear lens/green translucent diffuser		**.89**	**.81**	**.76**
Incandescent Lamps and Bright LEDs for KB series							
633-AT611-5V-RO	AT611-5V-RO		Incandescent lamp, 5 VAC, T-1		**1.60**	**1.44**	**1.35**
633-AT611-12V-RO	AT611-12V-RO		Incandescent lamp, 12 VAC, T-1		**1.60**	**1.44**	**1.35**
633-AT635C-RO	AT635C-RO		T-1 1/2 Cylindrical red LED		**1.85**	**1.66**	**1.55**
633-AT635D-RO	AT635D-RO		T-1 1/2 Cylindrical amber LED		**1.85**	**1.66**	**1.55**
633-AT635F-RO	AT635F-RO		T-1 1/2 Cylindrical green LED		**1.85**	**1.66**	**1.55**

NKK LB SERIES: ILLUMINATED STANDARD PUSHBUTTONS

- Polyamide housing
- Snap-In Mounting
- Solder Lug
- Power rating: 3A @125/250 VAC or 30 VDC

( ) = Momentary **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each		
					1	25	50
Square Switches							
633-LB15SKW01	LB15SKW01	E	SPDT On-(On)	Silver	**7.72**	**7.25**	**7.02**
633-LB16SKW01	LB16SKW01	E	SPDT On-On	Silver	**8.91**	**8.37**	**8.10**
633-LB25SKW01	LB25SKW01	E	DPDT On-(On)	Silver	**9.70**	**9.11**	**8.82**
633-LB26SKW01	LB26SKW01	E	DPDT On-On	Silver	**10.89**	**10.23**	**9.90**
Snap-On caps for use with square switches and incandescent lamp AT607							
633-AT476BJ	AT476BJ		Translucent white lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT476CJ	AT476CJ		Translucent red lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT476EJ	AT476EJ		Translucent yellow lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT476FJ	AT476FJ		Translucent green lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT476GJ	AT476GJ		Translucent blue lens/clear filter		**1.39**	**1.30**	**1.26**
Snap-on caps for use with square switches and bright LED AT635							
633-AT4176JC	AT4176JC		Clear lens/red translucent diffuser		**1.39**	**1.30**	**1.26**
633-AT4176JD	AT4176JD		Clear lens/amber translucent diffuser		**1.39**	**1.30**	**1.26**
633-AT4176JF	AT4176JF		Clear lens/green translucent diffuser		**1.39**	**1.30**	**1.26**
Round Switches							
633-LB15CKW01	LB15CKW01	F	SPDT On-(On)	Silver	**7.72**	**7.25**	**7.02**
633-LB16CKW01	LB16CKW01	F	SPDT On-On	Silver	**8.91**	**8.37**	**8.10**
633-LB25CKW01	LB25CKW01	F	DPDT On-(On)	Silver	**9.70**	**9.11**	**8.82**
633-LB26CKW01	LB26CKW01	F	DPDT On-On	Silver	**10.89**	**10.23**	**9.90**
Snap-on caps for use with round switches and incandescent lamp AT607							
633-AT4012BJ	AT4012BJ		Translucent white lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT4012CJ	AT4012CJ		Translucent red lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT4012EJ	AT4012EJ		Translucent yellow lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT4012FJ	AT4012FJ		Translucent green lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT4012GJ	AT4012GJ		Translucent blue lens/clear filter		**1.39**	**1.30**	**1.26**
Snap-on caps for use with round switches and bright LED AT635							
633-AT4178JC	AT4178JC		Clear lens/red translucent diffuser		**1.39**	**1.30**	**1.26**
633-AT4178JD	AT4178JD		Clear lens/amber translucent diffuser		**1.39**	**1.30**	**1.26**
633-AT4178JF	AT4178JF		Clear lens/green translucent diffuser		**1.39**	**1.30**	**1.26**
Rectangular Switches							
633-LB15RKW01	LB15RKW01	G	SPDT On-(On)	Silver	**7.72**	**7.25**	**7.02**
633-LB16RKW01	LB16RKW01	G	SPDT On-On	Silver	**8.91**	**8.37**	**8.10**
633-LB25RKW01	LB25RKW01	G	DPDT On-(On)	Silver	**9.70**	**9.11**	**8.82**
633-LB26RKW01	LB26RKW01	G	DPDT On-On	Silver	**10.89**	**10.23**	**9.90**
Snap-on caps for use with rectangular switches and incandescent lamp AT607							
633-AT4026BJ	AT4026BJ		Translucent white lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT4026CJ	AT4026CJ		Translucent red lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT4026EJ	AT4026EJ		Translucent yellow lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT4026FJ	AT4026FJ		Translucent green lens/clear filter		**1.39**	**1.30**	**1.26**
633-AT4026GJ	AT4026GJ		Translucent blue lens/clear filter		**1.39**	**1.30**	**1.26**
Snap-on caps for use with rectangular switches and bright LED AT635							
633-AT4177JC	AT4177JC		Clear lens/red translucent diffuser		**1.39**	**1.30**	**1.26**
633-AT4177JD	AT4177JD		Clear lens/amber translucent diffuser		**1.39**	**1.30**	**1.26**
633-AT4177JF	AT4177JF		Clear lens/green translucent diffuser		**1.39**	**1.30**	**1.26**
Incandescent Lamps and Bright LEDs for LB series							
633-AT607-5V-RO	AT607-5V-RO		Incandescent lamp, 5 VAC, T-1		**1.60**	**1.44**	**1.35**
633-AT607-12V-RO	AT607-12V-RO		Incandescent lamp, 12 VAC, T-1		**1.60**	**1.44**	**1.35**
633-AT635C-RO	AT635C-RO		T-1 1/2 Cylindrical red LED		**1.85**	**1.66**	**1.55**
633-AT635D-RO	AT635D-RO		T-1 1/2 Cylindrical amber LED		**1.85**	**1.66**	**1.55**
633-AT635F-RO	AT635F-RO		T-1 1/2 Cylindrical green LED		**1.85**	**1.66**	**1.55**

NKK OPTIONAL ACCESSORIES FOR KB AND LB SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each		
				1	25	50
633-AT495	AT495	H	Square and Round dust cover, KB	**1.30**	**1.22**	**1.15**
633-AT494	AT494	I	Square and Round protective guard, KB	**1.30**	**1.22**	**1.15**
633-AT499	AT499	J	Square protective guard, LB	**1.69**	**1.53**	**1.48**
633-AT4001	AT4001	K	Square dust cover, LB	**1.58**	**1.49**	**1.44**
633-AT4002	AT4002	L	Round dust cover, LB	**1.58**	**1.49**	**1.44**
633-AT4057	AT4057	M	Rectangular protective guard, LB	**1.69**	**1.53**	**1.48**
633-AT4011	AT4011	N	Rectangular dust cover, LB	**1.58**	**1.49**	**1.44**
633-AT111	AT111	- -	Lamping tool, LB and KB	**.59**	**.54**	**.50**
633-AT109	AT109	- -	Cap extractor, LB and KB	**1.33**	**1.26**	**1.18**
633-AT108	AT108	- -	Socket wrench, KB	**1.51**	**1.43**	**1.26**
633-AT112	AT112	- -	Socket wrench, LB	**2.32**	**2.20**	**2.07**

NKK Illuminated Pushbutton Switches

NKK HB SERIES: ILLUMINATED SUBMINIATURE PUSHBUTTONS

- Contact Material and Ratings: Silver, 0.1A max. @ 30 VAC/DC
- Bright LEDs
- Bushing Mount
- Solder Lug

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part Number	Fig.	Circuit	Price Each 1	25	50
Square Switches						
633-HB15SKW01	HB15SKW01	A	SPDT On-(On)	5.95	5.46	5.04
633-HB16SKW01	HB16SKW01	A	SPDT On-On	6.45	5.92	5.46
Snap-on caps for use with square switches						
633-AT4166CB	AT4166CB	C	Transparent red lens/white diffuser	1.06	.97	.86
633-AT4166DB	AT4166DB	C	Transparent amber lens/white diffuser	1.06	.97	.86
633-AT4166FB	AT4166FB	C	Transparent grn lens/white diffuser	1.06	.97	.86
633-AT4052A	AT4052AB	D	Spot illuminated; use with LED	1.42	1.22	1.12
Round Switches						
633-HB15CKW01	HB15CKW01	B	SPDT On-(On)	5.95	5.46	5.04
633-HB16CKW01	HB16CKW01	B	SPDT On-On	6.45	5.92	5.46
Snap-on caps for use with round switches						
633-AT4167CB	AT4167CB	E	Transparent red lens/white diffuser	1.06	.97	.86
633-AT4167DB	AT4167DB	E	Transparent amber lens/white diffuser	1.06	.97	.86
633-AT4167FB	AT4167FB	E	Transparent grn lens/white diffuser	1.06	.97	.86
Bright LEDs for HB series						
633-AT633C	AT633C	- -	T-1 Bi-pin, red	1.48	1.28	1.15
633-AT633D	AT633D	- -	T-1 Bi-pin, amber	1.48	1.28	1.15
633-AT633F	AT633F	- -	T-1 Bi-pin, green	1.48	1.28	1.15
Accessories						
633-AT111	AT111	- -	Lamping Tool	.59	.54	.50
633-AT109	AT109	- -	Cap Extractor	1.33	1.26	1.18
633-AT110	AT110	- -	Socket Wrench	2.85	2.69	2.53

RoHS Compliant

HB Series
Single Element Bright LED Specifications

Color	Red	Amber	Green
Forward Peak Current	30mA	30mA	25mA
Continuous Forward Current	20mA	20mA	20mA
Forward Voltage	1.85V	2.0V	2.2V
Reverse Peak Voltage	5V	5V	5V
Current Reduction Rate Above 25°C	0.40mA/°C	0.42mA/°C	0.38mA/°C
Ambient Temperature Range	-25 ~ +50°C		

HB2 Series
Single Element Bicolor LED Specifications

Color	Red/Yellow	Red/Green
Forward Peak Current	30/30mA	30/30mA
Continuous Forward Current	20/20mA	20/20mA
Forward Voltage	2.0/2.1V	2.0/2.1V
Reverse Peak Voltage	4/4V	4/4V
Current Reduction Rate Above 25°C	0.33/0.33mA/°C	0.33/0.33mA/°C
Ambient Temperature Range	-25 ~ +50°C	

YB Series
Single Element Bright & Super Bright LED Specifications

	Bright			Super Bright		
Color	Red	Amber	Green	White	Green	Blue
Forward Peak Current	40mA	40mA	40mA	30mA	30mA	30mA
Continuous Forward Current	26mA	26mA	26mA	20mA	20mA	20mA
Forward Voltage	1.9V	2.0V	2.2V	3.6V	3.5V	3.6V
Reverse Peak Voltage	4V	4V	4V	5V	5V	5V
Current Reduction Rate Above 25°C	0.50mA/°C	0.50mA/°C	0.50mA/°C	0.50mA/°C	0.50mA/°C	0.50mA/°C
Ambient Temperature Range	-25 ~ +50°C					

NKK HB2 SERIES: QUIET ACTUATION ILLUMINATED PUSHBUTTONS

- Contact Material and Ratings: Gold, 0.4VA @ 28V AC/DC
- Bicolor LEDs
- PC Mount

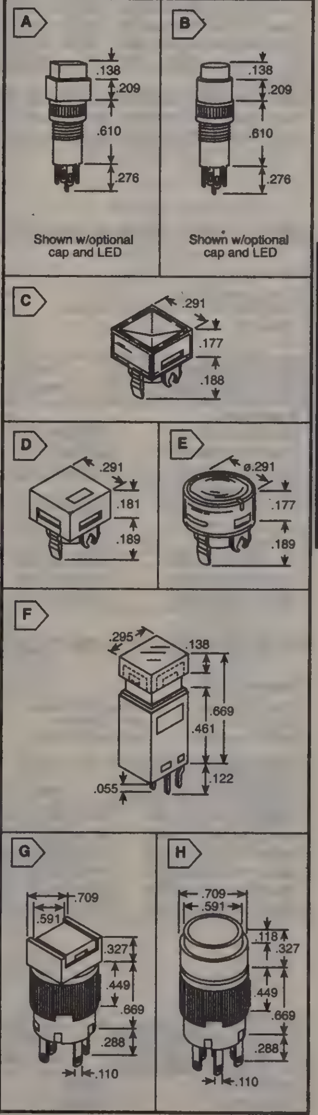
RoHS Compliant

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part Number	Fig.	Circuit	LED Color	Lens/Diffuser Colors	Price Each 1	25	50
633-HB215SKG03CE-JB	HB215SKG03CE-JB	F	SPST On-(On)	Red/Yellow	Clear/White	6.25	6.00	5.63
633-HB215SKG03CF-JB	HB215SKG03CF-JB	F	SPST On-(On)	Red/Green	Clear/White	6.25	6.00	5.63

DIMENSIONS: in.



Shown w/optional cap and LED

Shown w/optional cap and LED

NKK YB SERIES: SHORT BODY ILLUMINATED PUSHBUTTONS WITH PANEL SEAL

- Contact Material and Ratings: Silver, 3A @ 125V AC
- IP-Degree IP65 (IEC529)
- Bright & Super Bright LEDs
- Bushing Mount
- Solder Lug

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part Number	Fig.	Circuit	LED Color	Lens/Diffuser Colors	Price Each 1	25	50
Square Switches								
633-WSKW015CJC-RO	YB15WSKW01-5C-JC-RO	G	SPDT On-(On)	Bright Red	Clear /Red	15.73	14.20	13.18
633-WSKW015DJD-RO	YB15WSKW01-5D-JD-RO	G	SPDT On-(On)	Bright Amber	Clear /Amber	15.73	14.20	13.18
633-WSKW015FJF-RO	YB15WSKW01-5F-JF-RO	G	SPDT On-(On)	Bright Green	Clear /Green	15.73	14.20	13.18
633-WSKW015FJF-RO	YB16WSKW01-5C-JC-RO	G	SPDT On-On	Bright Red	Clear /Red	17.00	15.35	14.24
633-16WSKW015CJC-RO	YB16WSKW01-5D-JD-RO	G	SPDT On-On	Bright Amber	Clear /Amber	17.00	15.35	14.24
633-16WSKW015DJD-RO	YB16WSKW01-5F-JF-RO	G	SPDT On-On	Bright Green	Clear /Green	17.00	15.35	14.24
633-16WSKW015FJF-RO	YB25WSKW01-5C-JC-RO	G	DPDT On-(On)	Bright Red	Clear /Red	17.83	16.10	14.94
633-25WSKW015CJC-RO	YB25WSKW01-5D-JD-RO	G	DPDT On-(On)	Bright Amber	Clear /Amber	17.83	16.10	14.94
633-25WSKW015DJD-RO	YB25WSKW01-5F-JF-RO	G	DPDT On-(On)	Bright Green	Clear /Green	17.83	16.10	14.94
633-25WSKW015FJF-RO	YB26WSKW01-5D-JD-RO	G	DPDT On-On	Bright Amber	Clear /Amber	17.78	16.05	14.90
633-26WSKW015DJD-RO	YB26WSKW01-5F-JF-RO	G	DPDT On-On	Bright Green	Clear /Green	17.78	16.05	14.90
633-26WSKW015FJF-RO	YB15WSKW01-6B-JB-RO	G	SPDT On-(On)	Super Bright White	Clear /White	19.72	17.80	16.52
633-WSKW016BJB-RO	YB15WSKW01-6F-JB-RO	G	SPDT On-(On)	Super Bright Green	Clear /White	19.72	17.80	16.52
633-WSKW016FJB-RO	YB15WSKW01-6G-JB-RO	G	SPDT On-(On)	Super Bright Blue	Clear /White	19.72	17.80	16.52
633-WSKW016GJB-RO	YB16WSKW01-6B-JB-RO	G	SPDT On-On	Super Bright White	Clear /White	21.00	18.95	17.59
633-16WSKW016BJB-RO	YB16WSKW01-6G-JB-RO	G	SPDT On-On	Super Bright Blue	Clear /White	21.00	18.95	17.59
633-YB26WSKW01-6F-JB-RO	YB26WSKW01-6F-JB-RO	G	DPDT On-On	Super Bright Green	Clear /White	22.66	20.46	18.99
633-YB26016GJB-RO	YB26WSKW01-6G-JB-RO	G	DPDT On-On	Super Bright Blue	Clear /White	22.66	20.46	18.99
Round Switches								
633-15WCKW015CJC-RO	YB15WCKW01-5C-JC-RO	H	SPDT On-(On)	Bright Red	Clear /Red	15.73	14.20	13.18
633-15WCKW015DJD-RO	YB15WCKW01-5D-JD-RO	H	SPDT On-(On)	Bright Amber	Clear /Amber	15.73	14.20	13.18
633-15WCKW015FJF-RO	YB15WCKW01-5F-JF-RO	H	SPDT On-(On)	Bright Green	Clear /Green	15.73	14.20	13.18
633-16WCKW015CJC-RO	YB16WCKW01-5C-JC-RO	H	SPDT On-On	Bright Red	Clear /Red	17.00	15.35	14.24
633-16WCKW015DJD-RO	YB16WCKW01-5D-JD-RO	H	SPDT On-On	Bright Amber	Clear /Amber	17.00	15.35	14.24
633-16WCKW015FJF-RO	YB16WCKW01-5F-JF-RO	H	SPDT On-On	Bright Green	Clear /Green	17.00	15.35	14.24
633-25WCKW01-5D-JD	YB25WCKW01-5D-JD-RO	H	DPDT On-(On)	Bright Amber	Clear /Amber	17.83	16.10	14.94
633-25WCKW015FJF-RO	YB25WCKW01-5F-JF-RO	H	DPDT On-(On)	Bright Green	Clear /Green	17.83	16.10	14.94
633-26WCKW015CJC-RO	YB26WCKW01-5C-JC-RO	H	DPDT On-On	Bright Red	Clear /Red	17.78	16.05	14.90
633-26WCKW015FJF-RO	YB26WCKW01-5F-JF-RO	H	DPDT On-On	Bright Green	Clear /Green	17.78	16.05	14.90
633-15WCKW016BJB-RO	YB15WCKW01-6B-JB-RO	H	SPDT On-(On)	Super Bright White	Clear /White	19.72	17.80	16.52
633-15WCKW016FJB-RO	YB15WCKW01-6F-JB-RO	H	SPDT On-(On)	Super Bright Green	Clear /White	19.72	17.80	16.52
633-15WCKW016GJB-RO	YB15WCKW01-6G-JB-RO	H	SPDT On-(On)	Super Bright Blue	Clear /White	19.72	17.80	16.52
633-16WCKW016FJB-RO	YB16WCKW01-6F-JB-RO	H	SPDT On-On	Super Bright Green	Clear /White	21.00	18.95	17.59
633-16WCKW016GJB-RO	YB16WCKW01-6G-JB-RO	H	SPDT On-On	Super Bright Blue	Clear /White	21.00	18.95	17.59
633-25WCKW016FJB-RO	YB25WCKW01-6F-JB-RO	H	DPDT On-(On)	Super Bright Green	Clear /White	21.83	19.71	18.29
633-25WCKW016GJB-RO	YB25WCKW01-6G-JB-RO	H	DPDT On-(On)	Super Bright Blue	Clear /White	21.83	19.71	18.29

NKK Pushbutton Switches

RoHS Compliant **This page of product is compliant.**

LP01 SERIES: SHORT BODY PUSHBUTTONS

Features:

- Contact Material: Silver
- Rating: 3A @ 125VAC/250VAC
- Solder Lug
- Bushing or Snap-In Mounting
- Suited for Lead Free Soldering
- Environmentally Friendly Components
- UL 94V-0 Housing and Base
- Tamper Proof Caps

RoHS Compliant

Non-Illuminated

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Cap Color	Price Each		
					1	25	50
Bushing Mount							
633-LP0115CCKW01C	LP0115CCKW01C	A	SPDT On-(On)	Red	7.20	6.91	6.48
633-LP0115CCKW01A	LP0115CCKW01A	A	SPDT On-(On)	Black	7.20	6.91	6.48
633-LP0115CCKW01F	LP0115CCKW01F	A	SPDT On-(On)	Green	7.20	6.91	6.48
633-LP0125CCKW01C	LP0125CCKW01C	A	DPDT On-(On)	Red	8.40	8.06	7.56
633-LP0125CCKW01A	LP0125CCKW01A	A	DPDT On-(On)	Black	8.40	8.06	7.56
633-LP0125CCKW01F	LP0125CCKW01F	A	DPDT On-(On)	Green	8.40	8.06	7.56
Snap-In Mount							
633-LP0115CMKW01C	LP0115CMKW01C	B	SPDT On-(On)	Red	7.20	6.91	6.48
633-LP0115CMKW01A	LP0115CMKW01A	B	SPDT On-(On)	Black	7.20	6.91	6.48
633-LP0115CMKW01F	LP0115CMKW01F	B	SPDT On-(On)	Green	7.20	6.91	6.48

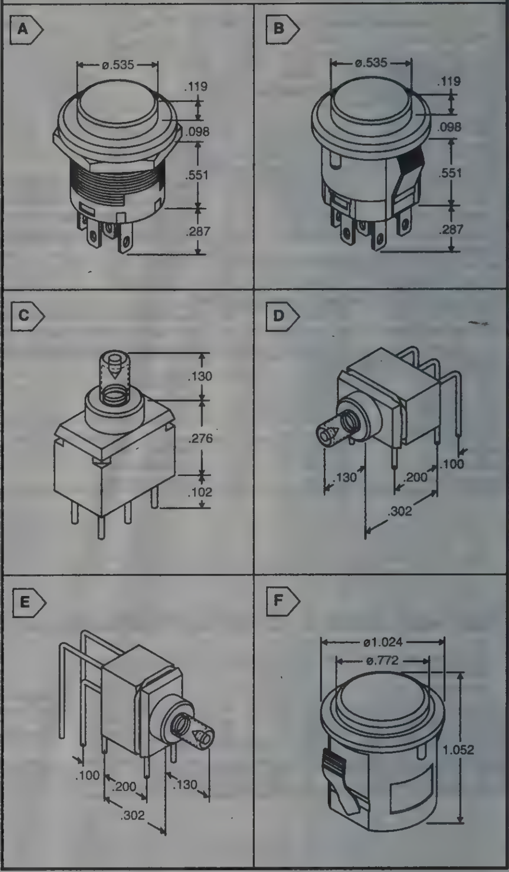
RoHS Compliant

Illuminated

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	CAP/LED Colors	Price Each		
					1	25	50
Bushing Mount							
633-LP0115CCKW015CB	LP0115CCKW015CB	A	SPDT On-(On)	White/Red	8.90	8.54	8.01
633-LP0115CCKW015DB	LP0115CCKW015DB	A	SPDT On-(On)	White/Amber	8.90	8.54	8.01
633-LP0115CCKW015FB	LP0115CCKW015FB	A	SPDT On-(On)	White/Green	8.90	8.54	8.01
633-LP0125CCKW015CB	LP0125CCKW015CB	A	DPDT On-(On)	White/Red	10.10	9.70	9.09
633-LP0125CCKW015DB	LP0125CCKW015DB	A	DPDT On-(On)	White/Amber	10.10	9.70	9.09
633-LP0125CCKW015FB	LP0125CCKW015FB	A	DPDT On-(On)	White/Green	10.10	9.70	9.09
Snap-In Mount							
633-LP0115CMKW015CB	LP0115CMKW015CB	B	SPDT On-(On)	White/Red	8.90	8.54	8.01
633-LP0115CMKW015DB	LP0115CMKW015DB	B	SPDT On-(On)	White/Amber	8.90	8.54	8.01
633-LP0115CMKW015FB	LP0115CMKW015FB	B	SPDT On-(On)	White/Green	8.90	8.54	8.01

DIMENSIONS: in.



GB SERIES: ULTRA-MINIATURE ILLUMINATED PUSHBUTTONS

Features:

- Contact Material: Gold
- Rating: 0.4VA max. @ 28VAC/VDC max.
- Washable
- Ideal for Handheld Equipment
- Smooth, Positive Detent Actuation
- Highly Visible Indication Status
- Process Sealed

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	LED Color	Price Each		
					1	25	50
Straight PC							
633-GB15JPC-RO	GB15JPC-RO	C	SPDT ON-(ON)	Red	5.60	5.38	5.04
633-GB15JPD-RO	GB15JPD-RO	C	SPDT ON-(ON)	Amber	5.60	5.38	5.04
633-GB15JPF-RO	GB15JPF-RO	C	SPDT ON-(ON)	Green	5.60	5.38	5.04
Right Angle PC							
633-GB15JHC-RO	GB15JHC-RO	D	SPDT ON-(ON)	Red	6.18	5.93	5.56
633-GB15JHF-RO	GB15JHF-RO	D	SPDT ON-(ON)	Green	6.18	5.93	5.56
Vertical PC							
633-GB15JVC-RO	GB15JVC-RO	E	SPDT ON-(ON)	Red	6.18	5.93	5.56
633-GB15JVD-RO	GB15JVD-RO	E	SPDT ON-(ON)	Amber	6.18	5.93	5.56
633-GB15JVF-RO	GB15JVF-RO	E	SPDT ON-(ON)	Green	6.18	5.93	5.56

FP01 SERIES: CONTACTLESS PUSHBUTTONS

Features:

- Photo Interrupter
- Snap-In Mount
- 3 Million Actuations
- Rugged Construction
- 6-Pin Connector
- Brilliant Illumination
- Tamper Proof Caps

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) = Momentary	Actuator/LED Colors	Price Each		
					1	25	50
633-0115CAC1BC-RO	FP0115CAC1BC-RO	F	Unshaded-(Shaded)	White/Red	16.14	15.17	13.45
633-0115CAC1BD-RO	FP0115CAC1BD-RO	F	Unshaded-(Shaded)	White/Amber	16.14	15.17	13.45
633-0115CAC1BF-RO	FP0115CAC1BF-RO	F	Unshaded-(Shaded)	White/Green	16.14	15.17	13.45
633-0115CAC1CC-RO	FP0115CAC1CC-RO	F	Unshaded-(Shaded)	Red/Red	16.14	15.17	13.45
633-0115CAC1DD-RO	FP0115CAC1DD-RO	F	Unshaded-(Shaded)	Amber/Amber	16.14	15.17	13.45
633-0115CAC1FF-RO	FP0115CAC1FF-RO	F	Unshaded-(Shaded)	Green/Green	16.14	15.17	13.45

RoHS Compliant

Accessories

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Description	Price Each		
			1	25	50
633-AT021	AT021	Assembled Connector Plug w/ Wire Leads	3.99	3.85	3.71
633-AT022	AT022	Unassembled Connector Plug and Pins	.30	.29	.27

LED Specifications for LP01 Series	Red	Amber	Green
Forward Peak Current (mA)	30	30	30
Continuous Forward Current (mA)	20	20	20
Forward Voltage (V)	1.95	2.0	2.1
Reverse Peak Voltage (V)	5	5	5
Crnt. Reduction Rate Above 25°C (mA/°C)	0.41	0.29	0.39
Ambient Temperature Range	-10°C ~ +50°C		

LED Specifications for GB Series	Red	Amber	Green
Forward Peak Current (mA)	30	30	25
Continuous Forward Current (mA)	20	20	20
Forward Voltage (V)	1.9	1.9	2.1
Reverse Peak Voltage (V)	5	5	5
Crnt. Reduction Rate Above 25°C (mA/°C)	0.43	0.43	0.36
Ambient Temperature Range	-25°C ~ +55°C		

LED Specifications for FP01 Series	Red	Amber	Green
Forward Peak Current (mA)	30	25	25
Continuous Forward Current (mA)	20	20	20
Forward Voltage (V)	1.85	2.0	2.25
Reverse Peak Voltage (V)	5	5	5
Crnt. Reduction Rate Above 25°C (mA/°C)	0.38	0.28	0.40
Ambient Temperature Range	-25°C ~ +50°C		

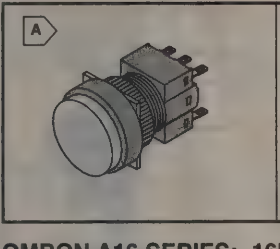
FP01 Photo Interrupter Specifications:

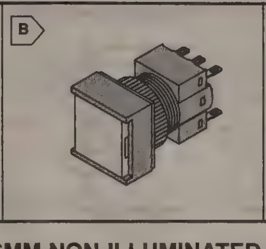
Electrical & Optical Characteristics	Typ.	Max.	Condition
Input			
Forward Voltage:	1.3V	1.6V	$I_F = 50mA$
Reverse Current:	- - -	10μA	$F_R = 5V$
Transmission			
Collector-Emitter Saturation Voltage:	- - -	0.4V	$I_F = 20mA$ $I_C = 0.1mA$

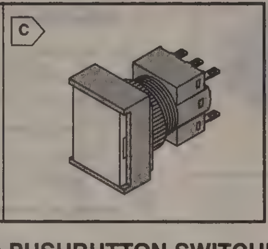
Absolute Maximum Ratings

Input LED	Output Photo Transistor
Forward Current: 50mA Reverse Voltage: 5V Power Dissipation: 80mW	Collector-Emitter Voltage : 30V Emitter-Collector Voltage : 4.5V Collector Current : 30mA Collector Dissipation : 80mW

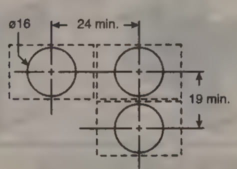
OMRON 16mm Pushbutton Switches





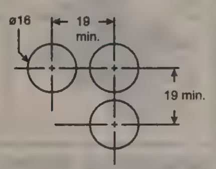


Panel Cutouts



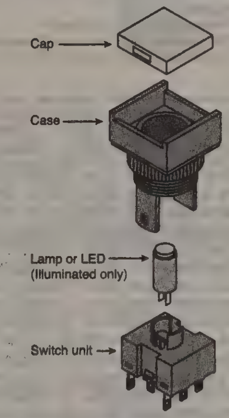
For rectangular switches

DIMENSIONS: mm



For round and square switches

OMRON A16 SERIES: 16MM NON-ILLUMINATED PUSHBUTTON SWITCHES



Features:
- 2-Piece snap-together construction
- "Snap-in" switch unit for quick and easy, tool-free assembly
- Short mounting depth, less than 28.5mm below panel
- Terminal layout simplifies common wiring

Specifications:
- Degree of protection: IP65
- Termination: .110" Solder terminals
- Contact rating: 3A @ 30VDC/250VAC
- Min. applicable load: 1mA @ 5VDC

Each unit includes DPDT switch unit, case, and IP65 rated color cap.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap Color	Actuator Type	Switch Unit Provided	Price Each			
						1	10	25	50
653-A165-TBM-2	A165-TBM-2	A	Black	Round extended	DPDT Momentary	10.81	10.44	10.12	9.79
653-A165-TGM-2	A165-TGM-2	A	Green	Round extended	DPDT Momentary	11.31	10.99	10.71	10.21
653-A165-TRM-2	A165-TRM-2	A	Red	Round extended	DPDT Momentary	10.81	10.44	10.12	9.79
653-A165-TYM-2	A165-TYM-2	A	Yellow	Round extended	DPDT Momentary	10.81	10.44	10.12	9.79
653-A165-TWM-2	A165-TWM-2	A	White	Round extended	DPDT Momentary	10.81	10.44	10.12	9.79
653-A165-TAM-2	A165-TAM-2	A	Blue	Round extended	DPDT Momentary	10.81	10.44	10.12	9.79
653-A165-TBA-2	A165-TBA-2	A	Black	Round extended	DPDT Alternate	11.97	11.56	11.20	10.84
653-A165-TGA-2	A165-TGA-2	A	Green	Round extended	DPDT Alternate	11.97	11.56	11.20	10.84
653-A165-TRA-2	A165-TRA-2	A	Red	Round extended	DPDT Alternate	11.97	11.56	11.20	10.84
653-A165-TYA-2	A165-TYA-2	A	Yellow	Round extended	DPDT Alternate	11.97	11.56	11.20	10.84
653-A165-TWA-2	A165-TWA-2	A	White	Round extended	DPDT Alternate	11.97	11.56	11.20	10.84
653-A165-TAA-2	A165-TAA-2	A	Blue	Round extended	DPDT Alternate	11.97	11.56	11.20	10.85
653-A165-ABM-2	A165-ABM-2	B	Black	Square, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-AGM-2	A165-AGM-2	B	Green	Square, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-ARM-2	A165-ARM-2	B	Red	Square, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-AYM-2	A165-AYM-2	B	Yellow	Square, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-AWM-2	A165-AWM-2	B	White	Square, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-AAM-2	A165-AAM-2	B	Blue	Square, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-ABA-2	A165-ABA-2	B	Black	Square, guarded 2 sides	DPDT Alternate	11.86	10.86	10.33	9.86
653-A165-AGA-2	A165-AGA-2	B	Green	Square, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-ARA-2	A165-ARA-2	B	Red	Square, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-AYA-2	A165-AYA-2	B	Yellow	Square, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-AWA-2	A165-AWA-2	B	White	Square, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-AAA-2	A165-AAA-2	B	Blue	Square, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-JBM-2	A165-JBM-2	C	Black	Rectangular, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-JGM-2	A165-JGM-2	C	Green	Rectangular, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-JRM-2	A165-JRM-2	C	Red	Rectangular, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-JYM-2	A165-JYM-2	C	Yellow	Rectangular, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-JAM-2	A165-JAM-2	C	Blue	Rectangular, guarded 2 sides	DPDT Momentary	11.44	11.05	10.71	10.36
653-A165-JBA-2	A165-JBA-2	C	Black	Rectangular, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-JGA-2	A165-JGA-2	C	Green	Rectangular, guarded 2 sides	DPDT Alternate	12.99	12.57	12.19	11.82
653-A165-JRA-2	A165-JRA-2	C	Red	Rectangular, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-JYA-2	A165-JYA-2	C	Yellow	Rectangular, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-JWA-2	A165-JWA-2	C	White	Rectangular, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32
653-A165-JAA-2	A165-JAA-2	C	Blue	Rectangular, guarded 2 sides	DPDT Alternate	12.49	12.07	11.69	11.32

The unique 2-piece snap-together design of Omron's A16 series allows users the flexibility of changing switch arrangement and illumination simply by replacing the switch block and lamp as needed.

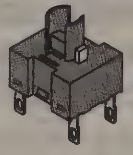
Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

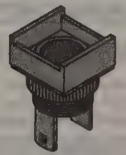
OMRON ACCESSORIES FOR 16MM SWITCHES

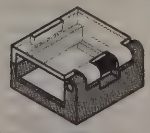
Replacement switch units, cases, and switch guards are for pushbutton switches.
Replacement caps, LEDs, incandescent lamps, and neon lamps are also available.
Contact Mouser for these items.

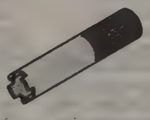
For quantities of 100 and up, call for quote.

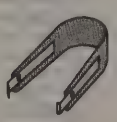
MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A16-1	A16-1	Replacement switch unit, SPDT Solder terminals	5.98	5.78	5.60	5.42
653-A16-2	A16-2	Replacement switch unit, DPDT Solder terminals	7.87	7.60	7.37	7.13
653-A16-1P	A16-1P	Replacement switch unit, SPDT PCB terminals	8.71	8.41	8.15	7.89
653-A16-2P	A16-2P	Replacement switch unit, DPDT PCB terminals	9.77	8.95	8.51	8.12
653-A165-CTM	A165-CTM	Replacement case, round, momentary action	3.88	3.75	3.63	3.52
653-A165-CAM	A165-CAM	Replacement case, square, momentary action	6.51	6.29	6.09	5.90
653-A165-CJM	A165-CJM	Replacement case, rectangular, momentary action	3.88	3.75	3.63	3.52
653-A165-CTA	A165-CTA	Replacement case, round, alternate action	4.72	4.56	4.42	4.28
653-A165-CAA	A165-CAA	Replacement case, square, alternate action	3.78	3.65	3.54	3.42
653-A165-CJA	A165-CJA	Replacement case, rectangular, alternate action	4.51	4.36	4.22	4.09
653-A16ZA-5050	A16ZA-5050	Switch guard for round and square pushbutton switches	4.93	4.76	4.61	4.47
653-A16ZJ-5050	A16ZJ-5050	Switch guard for rectangular pushbutton switches	4.93	4.76	4.61	4.47
653-A16Z-3004	A16Z-3004	Screw fitting tool	6.51	6.29	6.09	5.90
653-A3PJ-5080	A3PJ-5080	Pushbutton switch cap extractor tool	2.20	2.13	2.06	1.99
653-A16Z-5080	A16Z-5080	Lamp extractor tool	3.46	3.34	3.24	3.13
653-A16ZT-3003	A16ZT-3003	Panel plug for round hole	2.73	2.64	2.56	2.47
653-A16ZA-3003	A16ZA-3003	Panel plug for square hole	2.20	2.13	2.06	1.99
653-A16ZJ-3003	A16ZJ-3003	Panel plug for rectangular hole	2.20	2.13	2.06	1.99

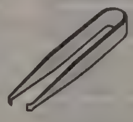

Switch unit


Case

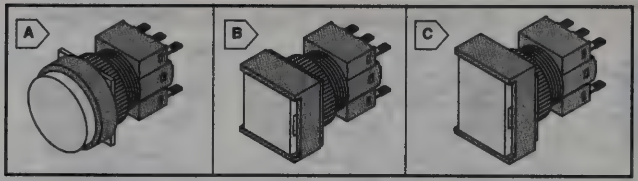

Switch guard


Screw fitting tool


Cap extractor tool

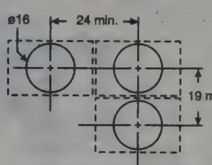

Lamp extractor tool

OMRON 16mm Pushbutton and Emergency Stop Switches

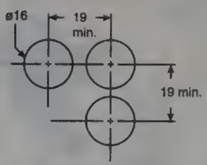


Panel Cutouts

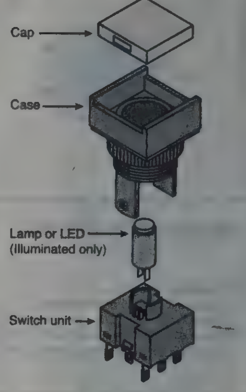
DIMENSIONS: mm



For rectangular switches



For round and square switches



OMRON A16 SERIES: 16MM ILLUMINATED PUSHBUTTON SWITCHES

Features:

- 2-Piece snap-together construction
- Short mounting depth, less than 28.5mm below panel
- Terminal layout simplifies common wiring

Specifications:

- Oil-resistant IP65 Degree of protection
- Termination: .110" Solder terminals
- Contact rating: 3A @ 30VDC/250VAC
- Min. applicable load: 1mA @ 5VDC

LED Specifications:

- Rated current: 10mA
- Operating voltage: 24VDC
- Internal limiting resistor: 1600 Ohms

Each unit includes DPDT switch unit, case, 24VDC LED, and IP65 color cap

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap Color	Actuator Type	Switch Unit Provided	Price Each			
						1	10	25	50
653-A165L-TRM-24D-2	A165L-TRM-24D-2	A	Red	Round extended	DPDT Momentary	15.22	14.70	14.25	13.79
653-A165L-TYM-24D-2	A165L-TYM-24D-2	A	Yellow	Round extended	DPDT Momentary	15.22	14.70	14.25	13.79
653-A165L-TGM-24D-2	A165L-TGM-24D-2	A	Green	Round extended	DPDT Momentary	15.22	14.70	14.25	13.79
653-A165L-TWM-24D-2	A165L-TWM-24D-2	A	White	Round extended	DPDT Momentary	15.22	14.70	14.25	13.79
653-A165L-TRA-24D-2	A165L-TRA-24D-2	A	Red	Round extended	DPDT Alternate	16.27	15.72	15.23	14.74
653-A165L-TYA-24D-2	A165L-TYA-24D-2	A	Yellow	Round extended	DPDT Alternate	16.27	15.72	15.23	14.74
653-A165L-TGA-24D-2	A165L-TGA-24D-2	A	Green	Round extended	DPDT Alternate	16.27	15.72	15.23	14.74
653-A165L-TWA-24D-2	A165L-TWA-24D-2	A	White	Round extended	DPDT Alternate	16.27	15.72	15.23	14.74
653-A165L-ARM-24D-2	A165L-ARM-24D-2	B	Red	Square, guarded 2 sides	DPDT Momentary	14.45	13.24	12.59	12.02
653-A165L-AYM-24D-2	A165L-AYM-24D-2	B	Yellow	Square, guarded 2 sides	DPDT Momentary	15.22	14.70	14.25	13.79
653-A165L-AGM-24D-2	A165L-AGM-24D-2	B	Green	Square, guarded 2 sides	DPDT Momentary	15.22	14.70	14.25	13.79
653-A165L-AWM-24D-2	A165L-AWM-24D-2	B	White	Square, guarded 2 sides	DPDT Momentary	15.22	14.70	14.25	13.79
653-A165L-ARA-24D-2	A165L-ARA-24D-2	B	Red	Square, guarded 2 sides	DPDT Alternate	15.45	14.15	13.45	12.85
653-A165L-AYA-24D-2	A165L-AYA-24D-2	B	Yellow	Square, guarded 2 sides	DPDT Alternate	16.27	15.72	15.23	14.74
653-A165L-AGA-24D-2	A165L-AGA-24D-2	B	Green	Square, guarded 2 sides	DPDT Alternate	16.27	15.72	15.23	14.74
653-A165L-AWA-24D-2	A165L-AWA-24D-2	B	White	Square, guarded 2 sides	DPDT Alternate	16.27	15.72	15.23	14.74
653-A165L-JRM-24D-2	A165L-JRM-24D-2	C	Red	Rectangular, guarded 2 sides	DPDT Momentary	16.27	15.72	15.23	14.74
653-A165L-JYM-24D-2	A165L-JYM-24D-2	C	Yellow	Rectangular, guarded 2 sides	DPDT Momentary	16.27	15.72	15.23	14.74
653-A165L-JGM-24D-2	A165L-JGM-24D-2	C	Green	Rectangular, guarded 2 sides	DPDT Momentary	16.27	15.72	15.23	14.74
653-A165L-JWM-24D-2	A165L-JWM-24D-2	C	White	Rectangular, guarded 2 sides	DPDT Momentary	16.27	15.72	15.23	14.74
653-A165L-JRA-24D-2	A165L-JRA-24D-2	C	Red	Rectangular, guarded 2 sides	DPDT Alternate	17.32	16.73	16.21	15.69
653-A165L-JYA-24D-2	A165L-JYA-24D-2	C	Yellow	Rectangular, guarded 2 sides	DPDT Alternate	16.45	15.06	14.32	13.68
653-A165L-JGA-24D-2	A165L-JGA-24D-2	C	Green	Rectangular, guarded 2 sides	DPDT Alternate	17.32	16.73	16.21	15.69
653-A165L-JWA-24D-2	A165L-JWA-24D-2	C	White	Rectangular, guarded 2 sides	DPDT Alternate	17.32	16.73	16.21	15.69

The unique 2-piece snap-together design of Omron's A16 series allows users the flexibility of changing switch arrangement and illumination simply by replacing the switch block and lamp as needed.

Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

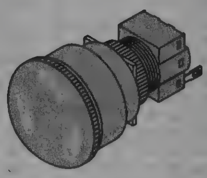
OMRON A16 SERIES: 16MM EMERGENCY STOP SWITCHES

Specifications:

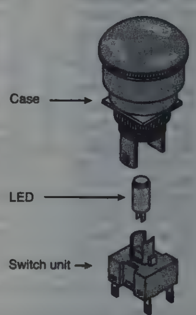
- Degree of protection: IP65
- Termination: .110" Solder terminals
- Contact rating: 3A @ 30VDC/250VAC;
  5A@ 125VAC

LED Specifications for Illuminated Switches:

- Rated current: 10mA
- Operating voltage: 24VDC
- Internal limiting resistor: 1600 Ohms



SPST-NC shown



For quantities of 100 and up, call for quote.

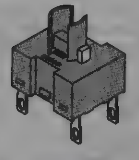
MOUSER STOCK NO.	Omron Part No.	Contact Form	Description	Price Each			
				1	10	25	50
Non-Illuminated							
653-A165E-S-01	A165E-S-01	SPST-NC	30-mm Push-lock, Turn-reset	32.89	30.12	28.64	27.35
653-A165E-S-02	A165E-S-02	DPST-NC	30-mm Push-lock, Turn-reset	42.26	40.82	39.56	38.29
Illuminated, 24VAC/DC LED							
653-A165E-LS-24D-01	A165E-LS-24D-01	SPST-NC	30-mm Push-lock, Turn-reset	46.98	45.38	43.97	42.56
653-A165E-LS-24D-02	A165E-LS-24D-02	DPST-NC	30-mm Push-lock, Turn-reset	54.60	52.74	51.11	49.47

OMRON ACCESSORIES FOR 16MM SWITCHES

Replacement switch units, cases, and switch guards are for pushbutton switches.
Replacement caps, LEDs, incandescent lamps, and neon lamps are also available.
Contact Mouser for these items.

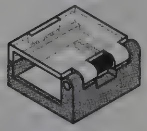
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A16-1	A16-1	Replacement switch unit, SPDT Solder terminals	5.98	5.78	5.60	5.42
653-A16-2	A16-2	Replacement switch unit, DPDT Solder terminals	7.87	7.60	7.37	7.13
653-A16-1P	A16-1P	Replacement switch unit, SPDT PCB terminals	8.71	8.41	8.15	7.89
653-A16-2P	A16-2P	Replacement switch unit, DPDT PCB terminals	9.77	8.95	8.51	8.12
653-A165-CTM	A165-CTM	Replacement case, round, momentary action	3.88	3.75	3.63	3.52
653-A165-CAM	A165-CAM	Replacement case, square, momentary action	6.51	6.29	6.09	5.90
653-A165-CJM	A165-CJM	Replacement case, rectangular, momentary action	3.88	3.75	3.63	3.52
653-A165-CTA	A165-CTA	Replacement case, round, alternate action	4.72	4.56	4.42	4.28
653-A165-CAA	A165-CAA	Replacement case, square, alternate action	3.78	3.65	3.54	3.42
653-A165-CJA	A165-CJA	Replacement case, rectangular, alternate action	4.51	4.36	4.22	4.09
653-A16ZA-5050	A16ZA-5050	Switch guard for round and square pushbutton switches	4.93	4.76	4.61	4.47
653-A16ZJ-5050	A16ZJ-5050	Switch guard for rectangular pushbutton switches	4.93	4.76	4.61	4.47
653-A16Z-3004	A16Z-3004	Screw fitting tool	6.51	6.29	6.09	5.90
653-A3PJ-5080	A3PJ-5080	Pushbutton switch cap extractor tool	2.20	2.13	2.06	1.99
653-A16Z-5080	A16Z-5080	Lamp extractor tool	3.46	3.34	3.24	3.13
653-A16ZT-3003	A16ZT-3003	Panel plug for round hole	2.73	2.64	2.56	2.47
653-A16ZA-3003	A16ZA-3003	Panel plug for square hole	2.20	2.13	2.06	1.99
653-A16ZJ-3003	A16ZJ-3003	Panel plug for rectangular hole	2.20	2.13	2.06	1.99



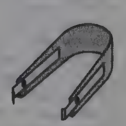
Switch unit

Case

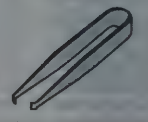


Switch guard

Screw fitting tool



Cap extractor tool



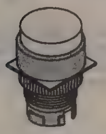
Lamp extractor tool

OMRON 22mm Pushbutton Switches

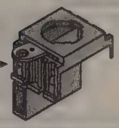
omron
INDUSTRIAL AUTOMATION

OMRON A22 SERIES: 22MM NON-ILLUMINATED PUSHBUTTON SWITCHES

Omron's A22 series of pushbuttons offer unique features for maximum flexibility. Switch blocks are easily added or taken off to complete the contact configuration needed. The locking lever ensures easy mounting and removal of switch unit. These switch blocks have finger safe terminals to meet safety standards. Switches offer IP65 degree of protection (water, dust, and oil resistant).



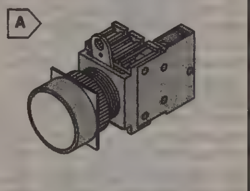
Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

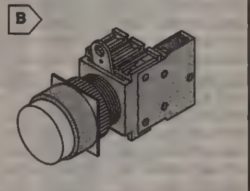


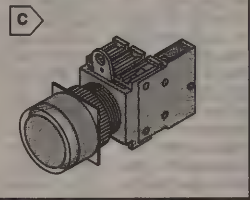
Specifications:
- Contact ratings: 10A @ 24/110VAC
- Install using either round, forked crimp terminals or ferrules

Each unit includes switch unit, contact block, and IP65 rated color cap. **For quantities of 100 and up, call for quote.**

MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Switch Block Provided	Cap Color	Price Each			
						1	10	25	50
653-A22-FB-10M	A22-FB-10M	A	Round flush	SPST-NO Mom.	Black	12.36	11.32	10.76	10.28
653-A22-FG-10M	A22-FG-10M	A	Round flush	SPST-NO Mom.	Green	12.36	11.32	10.76	10.28
653-A22-FR-10M	A22-FR-10M	A	Round flush	SPST-NO Mom.	Red	12.36	11.32	10.76	10.28
653-A22-FY-10M	A22-FY-10M	A	Round flush	SPST-NO Mom.	Yellow	12.36	11.32	10.76	10.28
653-A22-FW-10M	A22-FW-10M	A	Round flush	SPST-NO Mom.	White	10.27	9.40	8.94	8.54
653-A22-FA-10M	A22-FA-10M	A	Round flush	SPST-NO Mom.	Blue	12.36	11.32	10.76	10.28
653-A22-FB-11M	A22-FB-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Black	16.45	15.06	14.32	13.68
653-A22-FG-11M	A22-FG-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Green	16.45	15.06	14.32	13.68
653-A22-FR-11M	A22-FR-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Red	16.45	15.06	14.32	13.68
653-A22-FY-11M	A22-FY-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Yellow	16.45	15.06	14.32	13.68
653-A22-FW-11M	A22-FW-11M	A	Round flush	SPST-NO+SPST-NC Mom.	White	16.45	15.06	14.32	13.68
653-A22-FA-11M	A22-FA-11M	A	Round flush	SPST-NO+SPST-NC Mom.	Blue	16.45	15.06	14.32	13.68
653-A22-TB-10M	A22-TB-10M	B	Round extended	SPST-NO Mom.	Black	11.36	10.41	9.90	9.45
653-A22-TG-10M	A22-TG-10M	B	Round extended	SPST-NO Mom.	Green	11.36	10.41	9.90	9.45
653-A22-TR-10M	A22-TR-10M	B	Round extended	SPST-NO Mom.	Red	11.36	10.41	9.90	9.45
653-A22-TY-10M	A22-TY-10M	B	Round extended	SPST-NO Mom.	Yellow	11.36	10.41	9.90	9.45
653-A22-TW-10M	A22-TW-10M	B	Round extended	SPST-NO Mom.	White	11.36	10.41	9.90	9.45
653-A22-TA-10M	A22-TA-10M	B	Round extended	SPST-NO Mom.	Blue	11.36	10.41	9.90	9.45
653-A22-TB-11M	A22-TB-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Black	16.45	15.06	14.32	13.68
653-A22-TG-11M	A22-TG-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Green	16.45	15.06	14.32	13.68
653-A22-TR-11M	A22-TR-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Red	16.45	15.06	14.32	13.68
653-A22-TY-11M	A22-TY-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Yellow	16.45	15.06	14.32	13.68
653-A22-TW-11M	A22-TW-11M	B	Round extended	SPST-NO+SPST-NC Mom.	White	16.45	15.06	14.32	13.68
653-A22-TA-11M	A22-TA-11M	B	Round extended	SPST-NO+SPST-NC Mom.	Blue	16.45	15.06	14.32	13.68
653-A22-GB-10M	A22-GB-10M	C	Round full guard	SPST-NO Mom.	Black	12.36	11.32	10.76	10.28
653-A22-GG-10M	A22-GG-10M	C	Round full guard	SPST-NO Mom.	Green	12.36	11.32	10.76	10.28
653-A22-GR-10M	A22-GR-10M	C	Round full guard	SPST-NO Mom.	Red	12.36	11.32	10.76	10.28
653-A22-GY-10M	A22-GY-10M	C	Round full guard	SPST-NO Mom.	Yellow	12.36	11.32	10.76	10.28
653-A22-GW-10M	A22-GW-10M	C	Round full guard	SPST-NO Mom.	White	12.36	11.32	10.76	10.28
653-A22-GA-10M	A22-GA-10M	C	Round full guard	SPST-NO Mom.	Blue	12.36	11.32	10.76	10.28
653-A22-GB-11M	A22-GB-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Black	16.45	15.06	14.32	13.68
653-A22-GG-11M	A22-GG-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Green	16.45	15.06	14.32	13.68
653-A22-GR-11M	A22-GR-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Red	16.45	15.06	14.32	13.68
653-A22-GY-11M	A22-GY-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Yellow	16.45	15.06	14.32	13.68
653-A22-GW-11M	A22-GW-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	White	16.45	15.06	14.32	13.68
653-A22-GA-11M	A22-GA-11M	C	Round full guard	SPST-NO+SPST-NC Mom.	Blue	16.45	15.06	14.32	13.68





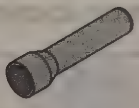


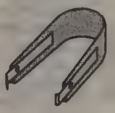
OMRON ACCESSORIES FOR 22MM SWITCHES

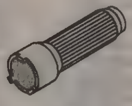
Replacement caps, LEDs, and various other tools are also available. Contact Mouser for these items.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	5.98	5.48	5.21	4.97
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	14.45	13.24	12.59	12.02
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	5.98	5.48	5.21	4.97
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	14.45	13.24	12.59	12.02
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	15.45	14.15	13.45	12.85
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	26.41	24.19	23.00	21.96
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	23.18	21.22	20.18	19.27
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	26.41	24.19	23.00	21.96
653-A22Z-3905	A22Z-3905	Tightening Wrench for Lock Nuts	14.25	13.05	12.41	11.85
653-A22Z-3901	A22Z-3901	Lamp Extractor	4.39	4.02	3.82	3.65
653-A3PJ-5080	A3PJ-5080	Lens Remover	2.09	1.92	1.82	1.74

Switch Block

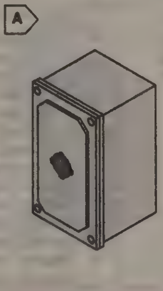

Lamp Extractor

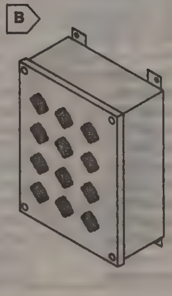

Lens Remover


Tightening Wrench

ENCLOSURES FOR 22MM SWITCHES

MOUSER STOCK NO.	Hammond Part No.	Fig.	Type of Enclosure	Overall Dimensions	No. of Holes	Price Each			
						1	2	5	10
546-PJ744P221	PJ744P221	A	Polyester	6.74x3.93x3.88	1	32.13	27.18	25.24	23.56
546-PJ744P222	PJ744P222	A	Polyester	6.74x3.93x3.88	2	34.18	28.92	26.86	25.07
546-PJ944P223	PJ944P223	A	Polyester	8.99x3.93x3.88	3	36.25	30.67	28.48	26.57
546-MPB1	MPB1	B	Metallic	4.25x3.06x3.5	1	54.83	46.40	43.09	40.21
546-MPB2	MPB2	B	Metallic	6.13x3.06x3.5	2	61.51	52.05	48.33	45.11
546-MPB3	MPB3	B	Metallic	8.0x3.06x3.5	3	68.31	57.80	53.67	50.09
546-MPB4	MPB4	B	Metallic	9.88x3.06x3.05	4	75.09	63.53	59.00	55.07
546-MPB6	MPB6	B	Metallic, hinged	9.5x5.31x4.25	6	95.51	80.82	75.04	70.04
546-MPB9	MPB9	B	Metallic, hinged	9.5x6.81x4.25	9	106.67	90.26	83.81	78.22
546-MPB12	MPB12	B	Metallic, hinged	11.38x6.81x4.25	12	118.31	100.11	92.96	86.76
546-MPB16	MPB16	B	Metallic, hinged	11.38x8.31x4.25	16	147.00	124.38	115.50	107.80
546-MPB20	MPB20	B	Metallic, hinged	13.25x8.31x4.25	20	165.36	139.93	129.92	121.27
546-MPB25	MPB25	B	Metallic, hinged	13.25x9.81x4.25	25	187.10	158.31	147.00	137.20
546-MPB30	MPB30	B	Metallic, hinged	15.13x9.81x4.25	30	250.79	212.21	197.04	183.90

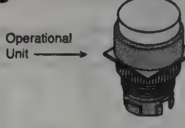


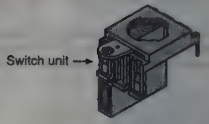


OMRON 22mm Pushbutton Switches

OMRON A22 SERIES: 22MM NON-ILLUMINATED PUSHBUTTON SWITCHES

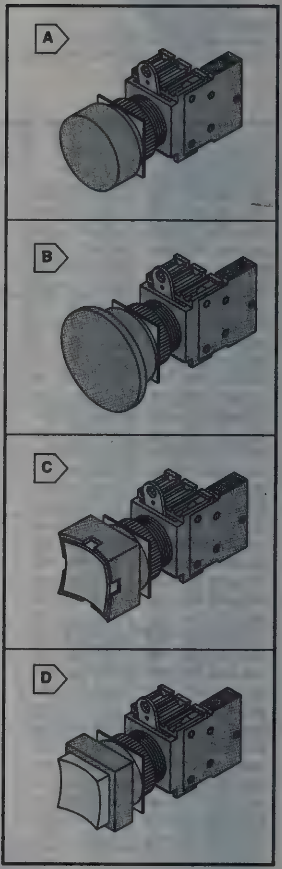
Omron's A22 series of pushbuttons offer unique features for maximum flexibility. Switch blocks are easily added or taken off to complete the contact configuration needed. The locking lever ensures easy mounting and removal of switch unit. These switch blocks have finger safe terminals to meet safety standards. Switches offer IP65 degree of protection (water, dust, and oil resistant).





Specifications:
- Contact ratings: 10A @ 24/110VAC
- Install using either round, forked crimp terminals or ferrules

Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.



Each unit includes switch unit, contact block, and IP65 rated color cap.

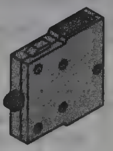
For quantities of 100 and up, call for quote.

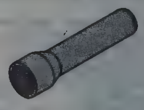
MOUSER STOCK NO.	Omron Part No.	Fig.	Actuator Type	Switch Block Provided	Cap Color	Price Each			
						1	10	25	50
653-A22-SB-10M	A22-SB-10M	A	30mm dia. mushroom	SPST-NO Mom.	Black	14.07	13.59	13.17	12.75
653-A22-SG-10M	A22-SG-10M	A	30mm dia. mushroom	SPST-NO Mom.	Green	14.07	13.59	13.17	12.75
653-A22-SR-10M	A22-SR-10M	A	30mm dia. mushroom	SPST-NO Mom.	Red	14.07	13.59	13.17	12.75
653-A22-SY-10M	A22-SY-10M	A	30mm dia. mushroom	SPST-NO Mom.	Yellow	14.07	13.59	13.17	12.75
653-A22-SW-10M	A22-SW-10M	A	30mm dia. mushroom	SPST-NO Mom.	White	14.07	13.59	13.17	12.75
653-A22-SA-10M	A22-SA-10M	A	30mm dia. mushroom	SPST-NO Mom.	Blue	14.07	13.59	13.17	12.75
653-A22-SB-11M	A22-SB-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Black	18.48	17.85	17.30	16.74
653-A22-SG-11M	A22-SG-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Green	18.48	17.85	17.30	16.74
653-A22-SY-11M	A22-SY-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Yellow	18.48	17.85	17.30	16.74
653-A22-SW-11M	A22-SW-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	White	18.48	17.85	17.30	16.74
653-A22-SA-11M	A22-SA-11M	A	30mm dia. mushroom	SPST-NO+SPST-NC Mom.	Blue	18.48	17.85	17.30	16.74
653-A22-MB-10M	A22-MB-10M	B	40mm dia. mushroom	SPST-NO Mom.	Black	15.22	14.70	14.25	13.79
653-A22-MG-10M	A22-MG-10M	B	40mm dia. mushroom	SPST-NO Mom.	Green	14.45	13.24	12.59	12.02
653-A22-MR-10M	A22-MR-10M	B	40mm dia. mushroom	SPST-NO Mom.	Red	15.22	14.70	14.25	13.79
653-A22-MY-10M	A22-MY-10M	B	40mm dia. mushroom	SPST-NO Mom.	Yellow	15.22	14.70	14.25	13.79
653-A22-MW-10M	A22-MW-10M	B	40mm dia. mushroom	SPST-NO Mom.	White	15.22	14.70	14.25	13.79
653-A22-MA-10M	A22-MA-10M	B	40mm dia. mushroom	SPST-NO Mom.	Blue	15.22	14.70	14.25	13.79
653-A22-MB-11M	A22-MB-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Black	22.60	20.69	19.68	18.79
653-A22-MG-11M	A22-MG-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Green	19.53	18.87	18.28	17.69
653-A22-MR-11M	A22-MR-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Red	19.53	18.87	18.28	17.69
653-A22-MY-11M	A22-MY-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Yellow	19.53	18.87	18.28	17.69
653-A22-MW-11M	A22-MW-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	White	19.53	18.87	18.28	17.69
653-A22-MA-11M	A22-MA-11M	B	40mm dia. mushroom	SPST-NO+SPST-NC Mom.	Blue	19.53	18.87	18.28	17.69
653-A22-DB-11M	A22-DB-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Black	23.88	23.07	22.35	21.64
653-A22-DG-11M	A22-DG-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Green	22.68	20.77	19.75	18.86
653-A22-DR-11M	A22-DR-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Red	22.68	20.77	19.75	18.86
653-A22-DY-11M	A22-DY-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Yellow	23.88	23.07	22.35	21.64
653-A22-DW-11M	A22-DW-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	White	23.88	23.07	22.35	21.64
653-A22-DA-11M	A22-DA-11M	C	Square full guard	SPST-NO+SPST-NC Mom.	Blue	23.88	23.07	22.35	21.64
653-A22-CB-11M	A22-CB-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Black	23.88	23.07	22.35	21.64
653-A22-CG-11M	A22-CG-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Green	23.88	23.07	22.35	21.64
653-A22-CR-11M	A22-CR-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Red	23.88	23.07	22.35	21.64
653-A22-CY-11M	A22-CY-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Yellow	23.88	23.07	22.35	21.64
653-A22-CW-11M	A22-CW-11M	D	Square extended	SPST-NO+SPST-NC Mom.	White	23.88	23.07	22.35	21.64
653-A22-CA-11M	A22-CA-11M	D	Square extended	SPST-NO+SPST-NC Mom.	Blue	23.88	23.07	22.35	21.64

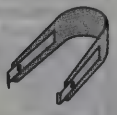
OMRON ACCESSORIES FOR 22MM SWITCHES

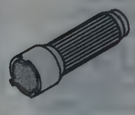
Replacement caps, LEDs, and various other tools are also available. Contact Mouser for these items.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	6.30	6.09	5.90	5.71
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	15.22	14.70	14.25	13.79
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	6.30	6.09	5.90	5.71
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	16.33	15.83	15.34	14.94
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	15.45	14.15	13.45	12.85
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	26.41	24.19	23.00	21.96
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	24.41	23.58	22.85	22.12
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	26.41	24.19	23.00	21.96
653-A22Z-3905	A22Z-3905	Tightening Wrench for Lock Nuts	15.01	14.50	14.05	13.60
653-A22Z-3901	A22Z-3901	Lamp Extractor	4.62	4.46	4.32	4.19
653-A3PJ-5080	A3PJ-5080	Lens Remover	2.20	2.13	2.06	1.99


Switch Block

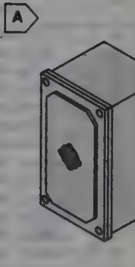

Lamp Extractor

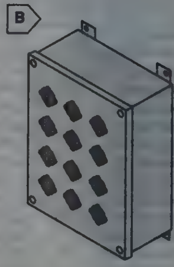

Lens Remover


Tightening Wrench

NEMA ENCLOSURES FOR 22MM SWITCHES

MOUSER STOCK NO.	Hammond Part No.	Fig.	Type of Enclosure	Overall Dimensions	No. of Holes	Price Each			
						1	2	5	10
546-PJ744P221	PJ744P221	A	Polyester	6.74x3.93x3.88	1	27.89	26.49	25.17	23.91
546-PJ744P222	PJ744P222	A	Polyester	6.74x3.93x3.88	2	29.66	28.18	26.77	25.43
546-PJ944P223	PJ944P223	A	Polyester	8.99x3.93x3.88	3	31.46	29.89	28.39	26.97
546-MPB1	MPB1	B	Metallic	4.25x3.06x3.5	1	39.93	34.34	32.71	31.15
546-MPB2	MPB2	B	Metallic	6.13x3.06x3.5	2	44.80	38.53	36.69	34.94
546-MPB3	MPB3	B	Metallic	8.0x3.06x3.5	3	49.75	42.78	40.74	38.80
546-MPB4	MPB4	B	Metallic	9.88x3.06x3.05	4	54.68	47.02	44.78	42.65
546-MPB6	MPB6	B	Metallic, hinged	9.5x5.31x4.25	6	69.34	59.63	56.79	54.08
546-MPB9	MPB9	B	Metallic, hinged	9.5x6.81x4.25	9	77.49	66.64	63.46	60.44
546-MPB12	MPB12	B	Metallic, hinged	11.38x6.81x4.25	12	86.01	73.97	70.44	67.09
546-MPB16	MPB16	B	Metallic, hinged	11.38x8.31x4.25	16	107.17	92.16	87.78	83.60
546-MPB20	MPB20	B	Metallic, hinged	13.25x8.31x4.25	20	120.56	103.68	98.74	94.04
546-MPB25	MPB25	B	Metallic, hinged	13.25x9.81x4.25	25	136.39	117.29	111.71	106.39
546-MPB30	MPB30	B	Metallic, hinged	15.13x9.81x4.25	30	182.83	157.22	149.73	142.60





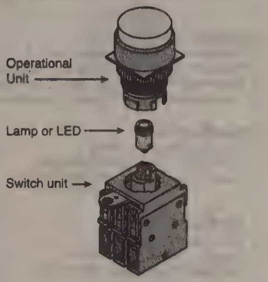
OMRON 22mm Pushbutton and Emergency Stop Switches

OMRON
INDUSTRIAL AUTOMATION

OMRON A22 SERIES: 22MM ILLUMINATED PUSHBUTTON SWITCHES

Specifications :
- Contact ratings: 10A @ 24/110VAC
- SPST-NO+SPST-NC Momentary switch block provided
- Install using either round, forked crimp terminals or ferrules

LED Specifications:
- Rated current: 10mA
- Operating voltage: 24VAC/DC
- Internal limiting resistor: 1600 Ohms



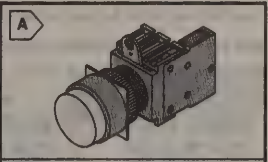
Types with transformer light source may be lit by directly applying 110VAC/DC to the lamp terminal.

Each unit includes operational unit, LED, switch unit w/ SPST-NO+SPST-NC contact block, and IP65 rated color cap.

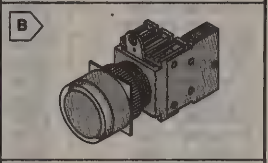
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap Color	Actuator Type	Illumination Method	Price Each			
						1	10	25	50
653-A22L-TR-24A-11M	A22L-TR-24A-11M	A	Red	Round Extended	24VAC/DC LED	26.41	24.19	23.00	21.96
653-A22L-TY-24A-11M	A22L-TY-24A-11M	A	Yellow	Round Extended	24VAC/DC LED	22.83	22.05	21.37	20.68
653-A22L-TG-24A-11M	A22L-TG-24A-11M	A	Green	Round Extended	24VAC/DC LED	22.83	22.05	21.37	20.68
653-A22L-TW-24A-11M	A22L-TW-24A-11M	A	White	Round Extended	24VAC/DC LED	42.78	41.33	40.04	38.76
653-A22L-TA-24A-11M	A22L-TA-24A-11M	A	Blue	Round Extended	24VAC/DC LED	42.26	40.82	39.56	38.29
653-A22L-TR-T1-11M	A22L-TR-T1-11M	A	Red	Round Extended	24VAC/DC LED w/ transformer	28.08	27.13	26.28	25.44
653-A22L-TY-T1-11M	A22L-TY-T1-11M	A	Yellow	Round Extended	24VAC/DC LED w/ transformer	28.08	27.13	26.28	25.44
653-A22L-TG-T1-11M	A22L-TG-T1-11M	A	Green	Round Extended	24VAC/DC LED w/ transformer	32.49	29.75	28.29	27.01
653-A22L-TW-T1-11M	A22L-TW-T1-11M	A	White	Round Extended	24VAC/DC LED w/ transformer	28.08	27.13	26.28	25.44
653-A22L-TA-T1-11M	A22L-TA-T1-11M	A	Blue	Round Extended	24VAC/DC LED w/ transformer	47.51	45.89	44.47	43.04
653-A22L-GR-24A-11M	A22L-GR-24A-11M	B	Red	Round full guard	24VAC/DC LED	25.67	23.50	22.35	21.34
653-A22L-GY-24A-11M	A22L-GY-24A-11M	B	Yellow	Round full guard	24VAC/DC LED	27.03	26.11	25.30	24.49
653-A22L-GG-24A-11M	A22L-GG-24A-11M	B	Green	Round full guard	24VAC/DC LED	27.03	26.11	25.30	24.49
653-A22L-GW-24A-11M	A22L-GW-24A-11M	B	White	Round full guard	24VAC/DC LED	27.03	26.11	25.30	24.49
653-A22L-GA-24A-11M	A22L-GA-24A-11M	B	Blue	Round full guard	24VAC/DC LED	46.46	44.88	43.49	42.09
653-A22L-GR-T1-11M	A22L-GR-T1-11M	B	Red	Round full guard	24VAC/DC LED w/ transformer	32.55	31.44	30.47	29.49
653-A22L-GY-T1-11M	A22L-GY-T1-11M	B	Yellow	Round full guard	24VAC/DC LED w/ transformer	32.55	31.44	30.47	29.49
653-A22L-GG-T1-11M	A22L-GG-T1-11M	B	Green	Round full guard	24VAC/DC LED w/ transformer	32.55	31.44	30.47	29.49
653-A22L-GW-T1-11M	A22L-GW-T1-11M	B	White	Round full guard	24VAC/DC LED w/ transformer	32.55	31.44	30.47	29.49
653-A22L-GA-T1-11M	A22L-GA-T1-11M	B	Blue	Round full guard	24VAC/DC LED w/ transformer	50.92	49.19	47.66	46.13
653-A22L-CR-24A-11M	A22L-CR-24A-11M	C	Red	Square extended	24VAC/DC LED	36.05	34.97	33.93	32.89
653-A22L-CY-24A-11M	A22L-CY-24A-11M	C	Yellow	Square extended	24VAC/DC LED	34.65	33.47	32.43	31.39
653-A22L-CG-24A-11M	A22L-CG-24A-11M	C	Green	Square extended	24VAC/DC LED	34.65	33.47	32.43	31.39
653-A22L-CW-24A-11M	A22L-CW-24A-11M	C	White	Square extended	24VAC/DC LED	34.65	33.47	32.43	31.39
653-A22L-CA-24A-11M	A22L-CA-24A-11M	C	Blue	Square extended	24VAC/DC LED	53.02	51.22	49.63	48.04
653-A22L-CR-T1-11M	A22L-CR-T1-11M	C	Red	Square extended	24VAC/DC LED w/ transformer	39.90	38.54	37.35	36.15
653-A22L-CY-T1-11M	A22L-CY-T1-11M	C	Yellow	Square extended	24VAC/DC LED w/ transformer	39.90	38.54	37.35	36.15
653-A22L-CG-T1-11M	A22L-CG-T1-11M	C	Green	Square extended	24VAC/DC LED w/ transformer	39.90	38.54	37.35	36.15
653-A22L-CW-T1-11M	A22L-CW-T1-11M	C	White	Square extended	24VAC/DC LED w/ transformer	39.90	38.54	37.35	36.15
653-A22L-CA-T1-11M	A22L-CA-T1-11M	C	Blue	Square extended	24VAC/DC LED w/ transformer	58.27	56.29	54.54	52.79
653-A22L-DR-24A-11M	A22L-DR-24A-11M	D	Red	Square full guard	24VAC/DC LED	34.65	33.47	32.43	31.39
653-A22L-DY-24A-11M	A22L-DY-24A-11M	D	Yellow	Square full guard	24VAC/DC LED	32.89	30.12	28.64	27.35
653-A22L-DG-24A-11M	A22L-DG-24A-11M	D	Green	Square full guard	24VAC/DC LED	36.05	34.97	33.93	32.89
653-A22L-DW-24A-11M	A22L-DW-24A-11M	D	White	Square full guard	24VAC/DC LED	34.65	33.47	32.43	31.39
653-A22L-DA-24A-11M	A22L-DA-24A-11M	D	Blue	Square full guard	24VAC/DC LED	53.02	51.22	49.63	48.04
653-A22L-DR-T1-11M	A22L-DR-T1-11M	D	Red	Square full guard	24VAC/DC LED w/ transformer	39.90	38.54	37.35	36.15
653-A22L-DY-T1-11M	A22L-DY-T1-11M	D	Yellow	Square full guard	24VAC/DC LED w/ transformer	39.90	38.54	37.35	36.15
653-A22L-DG-T1-11M	A22L-DG-T1-11M	D	Green	Square full guard	24VAC/DC LED w/ transformer	39.90	38.54	37.35	36.15
653-A22L-DW-T1-11M	A22L-DW-T1-11M	D	White	Square full guard	24VAC/DC LED w/ transformer	46.16	42.27	40.20	38.38
653-A22L-DA-T1-11M	A22L-DA-T1-11M	D	Blue	Square full guard	24VAC/DC LED w/ transformer	58.27	56.29	54.54	52.79

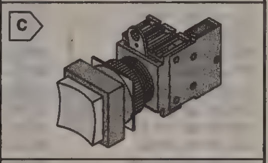
A



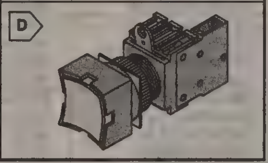
B



C



D



OMRON 22MM EMERGENCY STOP SWITCHES

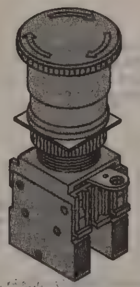
- Locking lever ensures easy mounting and removal of switch
- Finger safe contact blocks
- Install using either round, forked crimp terminals or ferrules

- Contact form: SPST-NO + SPST-NC
- Degree of protection: IP65
- Contact rating: 3A @ 30VDC/250VAC; 5A @ 125VAC

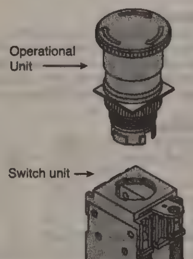
Each unit includes operational unit and switch unit.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A22E-MP-01	A22E-MP-01	40-mm Push Pull, 1NC	37.27	36.00	34.88	33.77
653-A22E-MP-11	A22E-MP-11	40-mm Push Pull, 1NO-1NC	45.93	44.37	42.99	41.61
653-A22E-LP-11	A22E-LP-11	60-mm Push Pull 1NO-1NC	49.08	47.41	45.94	44.47
653-A22E-S-01	A22E-S-01	30-mm Push-lock, Turn-reset, 1NC	37.27	36.00	34.88	33.77
653-A22E-S-11	A22E-S-11	30-mm Push-lock, Turn-reset, 1NO-1NC	31.90	29.21	27.78	26.52
653-A22E-M-01	A22E-M-01	40-mm Push-lock, Turn-reset, 1NC	30.18	29.15	28.25	27.34
653-A22E-M-11	A22E-M-11	40-mm Push-lock, Turn-reset, 1NO-1NC	34.65	33.47	32.43	31.39
653-A22E-L-11	A22E-L-11	60-mm Push-lock, Turn-reset, 1NO-1NC	38.85	37.53	36.36	35.20
653-A22E-SK-11	A22E-SK-11	30-mm Push-lock, Key-reset, 1NO-1NC	44.88	43.35	42.01	40.66
653-A22E-MK-11	A22E-MK-11	40-mm Push-lock, Key-reset, 1NO-1NC	46.98	45.38	43.97	42.56
653-A22EL-M-24A-01	A22EL-M-24A-01	24VAC/DC illum. 40-mm Push-lock, turn-res., 1NC	49.08	47.41	45.94	44.47
653-A22EL-M-24A-11	A22EL-M-24A-11	24VAC/DC Illum. 40-mm Push-lock, turn-res., 1NO-1NC	63.78	61.61	59.70	57.78
653-A22EL-M-24A-02	A22EL-M-24A-02	24VAC/DC Illum. 40-mm Push-lock, turn-reset, 2NC	60.56	55.45	52.73	50.35



40mm Shown



OMRON ACCESSORIES FOR 22MM SWITCHES

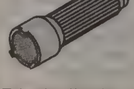
Replacement caps, LEDs, and various other tools are also available. Contact Mouser for these items.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	6.30	6.09	5.90	5.71
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	15.22	14.70	14.25	13.79
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	6.30	6.09	5.90	5.71
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	16.33	15.83	15.34	14.94
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	15.45	14.15	13.45	12.85
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	26.41	24.19	23.00	21.96
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	24.41	23.58	22.85	22.12
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	26.41	24.19	23.00	21.96
653-A22Z-3905	A22Z-3905	Tightening Wrench for Lock Nuts	15.01	14.50	14.05	13.60
653-A22Z-3901	A22Z-3901	Lamp Extractor	4.62	4.46	4.32	4.19
653-A3PJ-5080	A3PJ-5080	Lens Remover	2.20	2.13	2.06	1.99

Switch Block

Lamp Extractor

Lens Remover



Tightening Wrench

OMRON Pilot Lights

OMRON
INDUSTRIAL AUTOMATION

OMRON M165 SERIES: 16MM ILLUMINATED PILOT LIGHTS

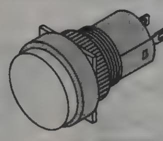
Features:
- 2-Piece snap-together construction
- "Snap-in" switch unit for quick and easy, tool-free assembly
- Short mounting depth, less than 28.5mm below panel
- Indicator without the switch for circuit status or warning

Specifications:
- Degree of protection: IP65
- Termination: .110" Solder terminals
- Contact rating: 3A @ 30VDC/250VAC;
  5A@ 125VAC

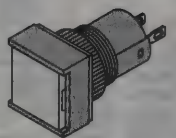
LED Specifications:
- Rated current: 10mA
- Operating voltage: 24VAC/DC
- Internal limiting resistor: 1600 Ohms

Incandescent Lamp Specifications:
- Rated current: 24mA
- Operating voltage: 24VAC/DC

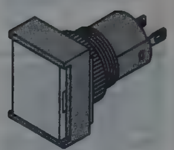
A



B



C



Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

Types with transformer light source may be lit by directly applying 110VAC/DC to the lamp terminal.

Each unit includes operational unit, LED or lamp, and lamp socket.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Cap/LED Color	Actuator Type	Illumination Method	Price Each			
						1	10	25	50
653-M165-TR-24D	M165-TR-24D	A	Red	Round extended	24 VAC/DC LED	9.76	9.43	9.14	8.84
653-M165-TG-24D	M165-TG-24D	A	Green	Round extended	24 VAC/DC LED	10.26	9.93	9.64	9.14
653-M165-TY-24D	M165-TY-24D	A	Yellow	Round extended	24 VAC/DC LED	11.29	10.34	9.83	9.39
653-M165-TW-24D	M165-TW-24D	A	White	Round extended	24 VAC/DC LED	9.76	9.43	9.14	8.84
653-M165-TR-T1	M165-TR-T1	A	Red	Round extended	24VAC/DC LED with xfmr	23.88	23.07	22.35	21.64
653-M165-TG-T1	M165-TG-T1	A	Green	Round extended	24VAC/DC LED with xfmr	23.88	23.07	22.35	21.64
653-M165-TY-T1	M165-TY-T1	A	Yellow	Round extended	24VAC/DC LED with xfmr	23.88	23.07	22.35	21.64
653-M165-TW-T1	M165-TW-T1	A	White	Round extended	24VAC/DC LED with xfmr	23.88	23.07	22.35	21.64
653-M165-TR-24	M165-TR-24	A	Red	Round extended	24 VAC Incandescent lamp	9.48	8.68	8.25	7.88
653-M165-TG-24	M165-TG-24	A	Green	Round extended	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-TY-24	M165-TY-24	A	Yellow	Round extended	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-TW-24	M165-TW-24	A	White	Round extended	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-AR-24D	M165-AR-24D	B	Red	Square, guarded 2 sides	24 VAC/DC LED	9.27	8.49	8.07	7.71
653-M165-AG-24D	M165-AG-24D	B	Green	Square, guarded 2 sides	24 VAC/DC LED	9.76	9.43	9.14	8.84
653-M165-AY-24D	M165-AY-24D	B	Yellow	Square, guarded 2 sides	24 VAC/DC LED	9.76	9.43	9.14	8.84
653-M165-AW-24D	M165-AW-24D	B	White	Square, guarded 2 sides	24 VAC/DC LED	9.27	8.49	8.07	7.71
653-M165-AR-24	M165-AR-24	B	Red	Square, guarded 2 sides	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-AG-24	M165-AG-24	B	Green	Square, guarded 2 sides	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-AY-24	M165-AY-24	B	Yellow	Square, guarded 2 sides	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-AW-24	M165-AW-24	B	White	Square, guarded 2 sides	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-JR-24D	M165-JR-24D	C	Red	Rectangular, guarded 2 sides	24 VAC/DC LED	9.76	9.43	9.14	8.84
653-M165-JG-24D	M165-JG-24D	C	Green	Rectangular, guarded 2 sides	24 VAC/DC LED	9.76	9.43	9.14	8.84
653-M165-JY-24D	M165-JY-24D	C	Yellow	Rectangular, guarded 2 sides	24 VAC/DC LED	11.29	10.34	9.83	9.39
653-M165-JW-24D	M165-JW-24D	C	White	Rectangular, guarded 2 sides	24 VAC/DC LED	9.76	9.43	9.14	8.84
653-M165-JR-24	M165-JR-24	C	Red	Rectangular, guarded 2 sides	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-JG-24	M165-JG-24	C	Green	Rectangular, guarded 2 sides	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-JY-24	M165-JY-24	C	Yellow	Rectangular, guarded 2 sides	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42
653-M165-JW-24	M165-JW-24	C	White	Rectangular, guarded 2 sides	24 VAC Incandescent lamp	8.19	7.91	7.67	7.42

OMRON M22 SERIES: 22MM ILLUMINATED PILOT LIGHTS

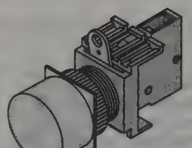
Features :
- 2-Piece snap-together construction
- "Snap-in" switch unit for quick and easy, tool-free assembly
- Short mounting depth, less than 28.5mm below panel
- Indicator without the switch for circuit status or warning
- Install using either round, forked crimp terminals or ferrules

Specifications:
- Degree of protection: IP65
- Contact rating: 3A @ 30VDC/250VAC;
  5A@ 125VAC

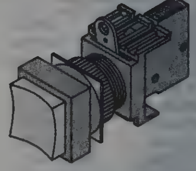
LED Specifications:
- Rated current: 10mA
- Operating voltage: 24VAC/DC
- Internal limiting resistor: 1600 Ohms

Incandescent Lamp Specifications:
- Rated current: 24mA
- Operating voltage: 24VAC/DC

A



B



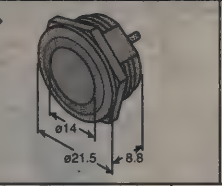
Types with transformer light source may be lit by directly applying 110VAC/DC to the lamp terminal.

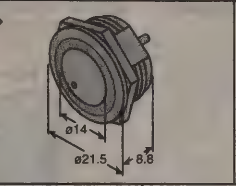
Each unit includes operational unit, LED or lamp, and lamp socket.

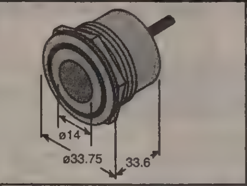
For quantities of 100 and up, call for quote.

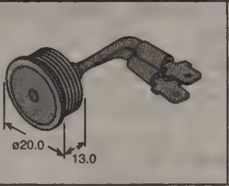
MOUSER STOCK NO.	Omron Part No.	Fig.	Cap/LED Color	Actuator Type	Illumination Method	Price Each			
						1	10	25	50
653-M22-FR-24A	M22-FR-24A	A	Red	Round flush	24VAC/DC LED	14.07	13.59	13.17	12.75
653-M22-FG-24A	M22-FG-24A	A	Green	Round flush	24VAC/DC LED	14.07	13.59	13.17	12.75
653-M22-FY-24A	M22-FY-24A	A	Yellow	Round flush	24VAC/DC LED	14.07	13.59	13.17	12.75
653-M22-FW-24A	M22-FW-24A	A	White	Round flush	24VAC/DC LED	13.36	12.23	11.63	11.11
653-M22-FR-T1	M22-FR-T1	A	Red	Round flush	24VAC/DC LED with transformer	18.48	17.85	17.30	16.74
653-M22-FG-T1	M22-FG-T1	A	Green	Round flush	24VAC/DC LED with transformer	18.48	17.85	17.30	16.74
653-M22-FY-T1	M22-FY-T1	A	Yellow	Round flush	24VAC/DC LED with transformer	18.48	17.85	17.30	16.74
653-M22-FW-T1	M22-FW-T1	A	White	Round flush	24VAC/DC LED with transformer	18.48	17.85	17.30	16.74
653-M22-CR-24A	M22-CR-24A	B	Red	Square extended	24VAC/DC LED	22.83	22.05	21.37	20.68
653-M22-CG-24A	M22-CG-24A	B	Green	Square extended	24VAC/DC LED	22.83	22.05	21.37	20.68
653-M22-CY-24A	M22-CY-24A	B	Yellow	Square extended	24VAC/DC LED	22.83	22.05	21.37	20.68
653-M22-CW-24A	M22-CW-24A	B	White	Square extended	24VAC/DC LED	22.83	22.05	21.37	20.68
653-M22-CR-T1	M22-CR-T1	B	Red	Square extended	24VAC/DC LED with transformer	37.80	36.51	35.38	34.25
653-M22-CG-T1	M22-CG-T1	B	Green	Square extended	24VAC/DC LED with transformer	37.80	36.51	35.38	34.25
653-M22-CY-T1	M22-CY-T1	B	Yellow	Square extended	24VAC/DC LED with transformer	37.80	36.51	35.38	34.25
653-M22-CW-T1	M22-CW-T1	B	White	Square extended	24VAC/DC LED with transformer	37.80	36.51	35.38	34.25

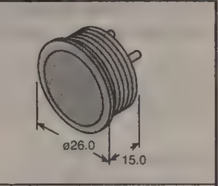
SCHURTER Vandal-Proof Switches

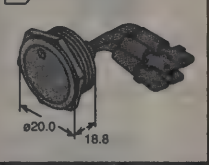
A


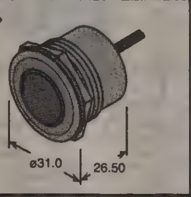
B


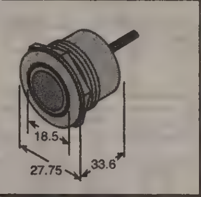
C


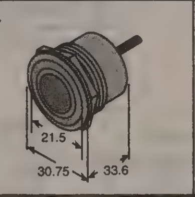
D


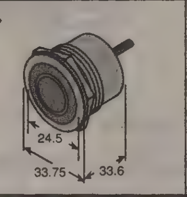
E


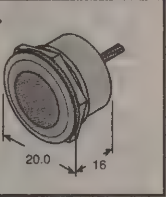
F


G


H


I


J


K


DIMENSIONS: mm

SCHURTER VANDAL-PROOF MECHANICAL SWITCHES

Specifications:

- Contact material: Silver
- Max switching voltage: 48 VDC
- Max switching current: 125 mA
- Lifetime: 1,000,000 cycles
- Switching function: N.O.
- Actuation force: 3.7 N
- LED forward voltage: Red - 1.6V; Green - 2.0V; Yellow - 2.0V
- LED forward current: All colors = 20 mA
- All switches supplied with nut and O-ring seal

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Material	Actuator Material	Terminals	Price Each			
								1	10	25	50
693-1241.2800	1241.2800	A	N/A	19 mm	Zinc diecast	Zinc diecast	Pins	8.94	7.94	7.15	6.76
693-1241.2855	1241.2855	B	Spot Red	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	14.15	12.57	11.31	10.68
693-1241.2856	1241.2856	B	Spot Green	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	14.15	12.57	11.32	10.69
693-1241.2857	1241.2857	B	Spot Yellow	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	14.15	12.57	11.31	10.68
693-1241.2858	1241.2858	B	Spot Red/Green	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	14.47	12.86	11.57	10.93
693-1241.2859	1241.2829	B	Spot Blue	19 mm	Zinc diecast	Stainless steel	Pins w/ solder aid	14.14	12.57	11.31	10.68
693-1241.6400	1241.6400	C	Ring Red	30 mm	Aluminum	Zinc diecast	Wire	62.28	55.36	49.82	47.06
693-1241.6401	1241.6401	C	Ring Green	30 mm	Aluminum	Zinc diecast	Wire	62.28	55.36	49.82	47.06
693-1241.6402	1241.6402	C	Ring Yellow	30 mm	Aluminum	Zinc diecast	Wire	62.28	55.36	49.82	47.06
693-1241.6403	1241.6403	C	Ring Red/Green	30 mm	Aluminum	Zinc diecast	Wire	63.65	56.57	50.92	48.09
693-1241.6404	1241.6404	C	Ring Blue	30 mm	Aluminum	Zinc diecast	Wire	63.65	56.58	50.92	48.09

SCHURTER VANDAL-PROOF INDICATORS

Specifications:

- Supplied with nut and O-ring seal
- Indicator Only

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Color	Housing Material	Terminals	Price Each			
								1	10	25	50
693-1241.3033	1241.3033	D	Spot Red	16 mm	Aluminum natural	Anodized Aluminum	Faston	18.18	16.16	14.54	13.74
693-1241.3034	1241.3034	D	Spot Green	16 mm	Aluminum natural	Anodized Aluminum	Faston	18.18	16.16	14.54	13.74
693-1241.3035	1241.3035	D	Spot Yellow	16 mm	Aluminum natural	Anodized Aluminum	Faston	18.18	16.16	14.54	13.74
693-1241.3036	1241.3036	D	Spot Red	16 mm	Red	Anodized Aluminum	Faston	18.18	16.16	14.54	13.74
693-1241.3037	1241.3037	D	Spot Green	16 mm	Green	Anodized Aluminum	Faston	18.18	16.16	14.54	13.74
693-1241.3038	1241.3038	D	Spot Yellow	16 mm	Yellow	Anodized Aluminum	Faston	18.18	16.16	14.54	13.74

SCHURTER VANDAL-PROOF PIEZO SWITCHES

Specifications:

- Max switching voltage: 42 VAC
- Max switching current: 100 mA
- Capacity: 30 pF
- Switching function: N.O.
- Lifetime: 20,000,000 cycles
- Min. actuating force: 1.5N
- All switches supplied with nut and O-ring seal

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Housing Color	Housing Material	Terminals	Price Each			
								1	10	25	50
693-1241.3008	1241.3008	E	N/A	22 mm	Aluminum natural	Anodized Aluminum	Pins	38.98	34.66	31.19	29.46
693-1241.3005	1241.3005	E	N/A	22 mm	Red	Anodized Aluminum	Pins	38.98	34.66	31.19	29.46
693-1241.3006	1241.3006	E	N/A	22 mm	Green	Anodized Aluminum	Pins	38.98	34.66	31.19	29.46
693-1241.3020.M	1241.3020.M	F	Spot Red	22 mm	Aluminum natural	Anodized Aluminum	Faston	42.78	38.03	34.22	32.32
693-1241.3244.M	1241.3244.M	F	Spot Blue	22 mm	Aluminum natural	Anodized Aluminum	Faston	45.58	42.36	40.13	37.90
693-1241.2625.8	1241.2625.8	G	N/A	27 mm	Aluminum natural	Anodized Aluminum	100 mm wire	57.03	50.70	45.63	43.09
693-1241.2625.3	1241.2625.3	G	N/A	27 mm	Red	Anodized Aluminum	100 mm wire	57.03	50.70	45.63	43.09
693-1241.3010	1241.3010	H	Ring Red/Green	24 mm	Aluminum natural	Anodized Aluminum	200 mm wire	105.82	94.07	84.67	79.96
693-1241.3011	1241.3011	I	Ring Red/Green	27 mm	Aluminum natural	Anodized Aluminum	200 mm wire	108.06	96.05	86.45	81.64
693-1241.3012	1241.3012	J	Ring Red/Green	30 mm	Aluminum natural	Anodized Aluminum	200 mm wire	110.28	98.03	88.23	83.33
693-1241.3189	1241.3189	J	Ring Blue	30 mm	Aluminum natural	Anodized Aluminum	200 mm wire	120.31	106.97	96.25	90.90

SCHURTER VANDAL-PROOF CAPACITIVE SWITCHES

Specifications:

- Max switching voltage: 7-24 VDC
- Max switching current: 175 mA
- All switches supplied with nut and O-ring seal
- Lifetime: 1,000,000 cycles
- Input current (irrespective of LEDs): 5V - 2mA not in action/3mA in action; 12V - 2mA not in action/ 6mA in action; 24V - 4mA not in action/ 8mA in action

Features:

- Pressure-free operation of input systems due to no actuation force
- IP67 degree of protection

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Switching Type	Housing Material	Terminals	Price Each			
								1	10	25	50
693-1243.1218.1.1	1243.1218.1.1	K	Red	16 mm	Latching	Aluminum	210 mm wire	92.09	81.86	73.67	69.58
693-1243.1318.1.1	1243.1318.1.1	K	Red	16 mm	Momentary	Aluminum	210 mm wire	92.09	81.86	73.67	69.58
693-1243.1118.1.1	1243.1118.1.1	K	Red	16 mm	Impulse	Aluminum	210 mm wire	92.09	81.86	73.67	69.58
693-1243.1218.2.1	1243.1218.2.1	K	Green	16 mm	Latching	Aluminum	210 mm wire	92.09	81.86	73.67	69.58
693-1243.1318.2.1	1243.1318.2.1	K	Green	16 mm	Momentary	Aluminum	210 mm wire	92.09	81.86	73.67	69.58
693-1243.1118.2.1	1243.1118.2.1	K	Green	16 mm	Impulse	Aluminum	210 mm wire	92.09	81.86	73.67	69.58

SCHURTER MSM16, MSM19 AND MSM22 SERIES: VANDAL-PROOF MOMENTARY MECHANICAL SWITCHES

The robust vandal-proof MSM switch has a high shock resistance and an extremely flat front construction of only 1.7mm. Housing and actuator are made of top-quality stainless steel. The MSM is designed for quick mounting: the wires are simply plugged onto the quick connect terminals of the detachable contact module. Then the module is snapped into the switch, which is simply mounted beforehand. There are variants with point or ring illumination for night applications or for optical status indications.

Specifications:
- Contact material: Silver
- Max. switching voltage: 125VAC
- Max. switching current: 5A
- Contact form: SPDT
- Lifetime: 200,000 cycles
- Actuation force: 4.5 N
- IP 67 Protected

Benefits:
- High shock resistance
- Pleasant tactile feeling
- Flat front design
- Easy mounting
- Made of top-quality stainless steel

LED Characteristics:
- LED forward voltage: Red - 1.6V; Green - 2.0V, Blue-3.2V
- LED forward current: Red/Green - 40mA, Blue-20mA

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Mounting Diameter	Price Each			
					1	10	25	50
693-1241.6611.1120	1241.6611.1120000	A	None	16mm	**10.85**	**9.77**	**8.74**	**7.73**
693-1241.6621.1120	1241.6621.1120000	B	None	19mm	**11.37**	**10.25**	**9.17**	**8.09**
693-1241.6623.1120	1241.6623.1121000	C	Point, Red	19mm	**21.41**	**19.28**	**17.25**	**15.22**
693-1241.6623.1122	1241.6623.1122000	C	Point, Green	19mm	**21.41**	**19.28**	**17.25**	**15.22**
693-1241.6623.1124	1241.6623.1124000	C	Point, Blue	19mm	**23.44**	**21.11**	**18.88**	**16.67**
693-1241.6624.1121	1241.6624.1121000	D	Ring, Red	19mm	**34.09**	**30.70**	**27.48**	**24.25**
693-1241.6624.1122	1241.6624.1122000	D	Ring, Green	19mm	**34.09**	**30.70**	**27.48**	**24.25**
693-1241.6624.1124	1241.6624.1124000	D	Ring, Blue	19mm	**36.51**	**32.89**	**29.43**	**25.97**
693-1241.6631.1120	1241.6631.1120000	E	None	22mm	**12.84**	**11.57**	**10.35**	**9.14**
693-1241.6633.1121	1241.6633.1121000	F	Point, Red	22mm	**21.97**	**19.80**	**17.72**	**15.62**
693-1241.6633.1122	1241.6633.1122000	F	Point, Green	22mm	**21.97**	**19.80**	**17.72**	**15.62**
693-1241.6633.1124	1241.6633.1124000	F	Point, Blue	22mm	**23.52**	**21.20**	**18.97**	**16.74**
693-1241.6634.1121	1241.6634.1121000	G	Ring, Red	22mm	**35.43**	**31.91**	**28.55**	**25.19**
693-1241.6634.1122	1241.6634.1122000	G	Ring, Green	22mm	**35.43**	**31.91**	**28.55**	**25.19**
693-1241.6634.1124	1241.6634.1124000	G	Ring, Blue	22mm	**35.99**	**34.20**	**32.39**	**30.59**

SCHURTER MSM30 SERIES: VANDAL-PROOF MOMENTARY MECHANICAL SWITCHES

The new MSM30 offers the same robust characteristics as its smaller counterparts, only it has a larger, ergonomically designed, actuating area of 30mm for superb tactile feel. The MSM30 is ideal for systems where a large actuating area is required for operation, information and vending systems, dashboards, consoles and broadcasting systems.

Specifications:
- Insulation resistance: 100,000kΩ
- Contact bounce time: < 5ms
- Lifetime (rated braking capacity:
  0.1A/3A = 200,000 cycles
  10A = 50,000 cycles

Benefits:
- High shock resistance
- Pleasant tactile feeling
- Flat front design
- Easy mounting
- Made of top-quality stainless steel

LED Characteristics:
- LED forward voltage: Red - 1.6V; Green - 2.0V, Blue-3.2V
- LED forward current: Red/Green - 40mA, Blue-20mA

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Contact Material	Switching Current Max	Switching Voltage Max	Breaking Capacity	Price Each			
								1	10	25	50
Standard											
693-1241.6661.1110	1241.6661.1110000	H	None	Gold	0.1 A	30V	3W	**20.80**	**18.73**	**16.76**	**14.79**
693-1241.6661.1120	1241.6661.1120000	H	None	Silver	3A	125V	1250W	**20.58**	**18.53**	**16.58**	**14.63**
693-1241.6661.1130	1241.6661.1130000	H	None	Silver	10A	250V	2500W	**20.80**	**18.73**	**16.76**	**14.78**
With Illumination											
693-1241.6663.1111	1241.6663.1111000	I	Point, Red	Gold	100mA	30V	3W	**30.92**	**27.84**	**24.92**	**21.98**
693-1241.6663.1112	1241.6663.1112000	I	Point, Green	Gold	100mA	30V	3W	**30.92**	**27.84**	**24.92**	**21.98**
693-1241.6663.1121	1241.6663.1121000	I	Point, Red	Silver	5A	125V	1250W	**30.64**	**27.62**	**24.71**	**21.81**
693-1241.6663.1122	1241.6663.1122000	I	Point, Green	Silver	5A	125V	1250W	**30.64**	**27.62**	**24.71**	**21.81**
693-1241.6663.1124	1241.6663.1124000	I	Point, Blue	Silver	5A	125V	1250W	**33.06**	**29.79**	**26.66**	**23.52**
693-1241.6663.1131	1241.6663.1131000	I	Point, Red	Silver	10A	250V	2500W	**30.92**	**27.84**	**24.92**	**21.98**
693-1241.6663.1132	1241.6663.1132000	I	Point, Green	Silver	10A	250V	2500W	**30.92**	**27.84**	**24.92**	**21.98**
693-1241.6664.1111	1241.6664.1111000	J	Ring, Red	Gold	100mA	30V	3W	**44.30**	**39.89**	**35.69**	**31.50**
693-1241.6664.1112	1241.6664.1112000	J	Ring, Green	Gold	100mA	30V	3W	**44.30**	**39.89**	**35.69**	**31.50**
693-1241.6664.1121	1241.6664.1121000	J	Ring, Red	Silver	5A	125V	1250W	**40.32**	**36.32**	**32.50**	**28.68**
693-1241.6664.1122	1241.6664.1122000	J	Ring, Green	Silver	5A	125V	1250W	**40.32**	**36.32**	**32.50**	**28.68**
693-1241.6664.1124	1241.6664.1124000	J	Ring, Blue	Silver	5A	125V	1250W	**43.14**	**38.86**	**34.77**	**30.67**
693-1241.6664.1131	1241.6664.1131000	J	Ring, Red	Silver	10A	250V	2500W	**44.30**	**39.89**	**35.69**	**31.50**
693-1241.6664.1132	1241.6664.1132000	J	Ring, Green	Silver	10A	250V	2500W	**44.30**	**39.89**	**35.69**	**31.50**

SCHURTER PSE M22R SERIES: VANDAL-PROOF MOMENTARY PIEZO SWITCHES

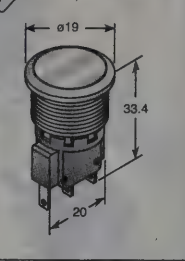
This new piezo switch has been specifically designed for applications in hostile environments. Its vandal-proof housing with a compact M22 metric thread screw socket encloses a powerful ring illumination, which is available in a choice of one or two colors and can be attached to a 12 or 24 V power supply. It can be ordered complete with Molex connector or wires.

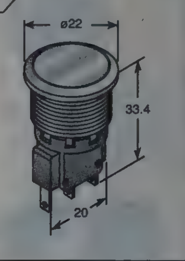
Specifications:
- Contact material: Aluminum natural
- Switching current: 0.1A
- Switching capacity max: 1W
- Actuation force: 1.5 - 3.0 N
- IP 67 Protected

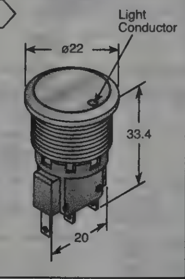
For quantities of 100 and up, call for quote.

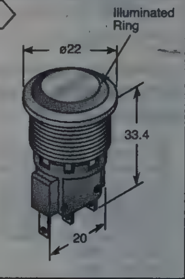
MOUSER STOCK NO.	Schurter Part No.	Fig.	Illumination	Illumination Voltage	Terminals	Switching Voltage Max	Price Each			
							1	10	25	50
693-1241.3250	1241.3250	K	Red	12V	Wire	60 V	**74.17**	**70.42**	**66.71**	**63.00**
693-1241.3251	1241.3251	K	Green	12V	Wire	60 V	**74.17**	**70.42**	**66.71**	**63.00**
693-1241.3256	1241.3256	K	Red	24V	Wire	60 V	**74.17**	**70.42**	**66.71**	**63.00**
693-1241.3257	1241.3257	K	Green	24V	Wire	60 V	**74.17**	**70.42**	**66.71**	**63.00**
693-1241.3258	1241.3258	K	Red/Green	24V	Wire	60V	**73.32**	**69.65**	**65.99**	**62.32**

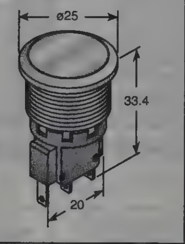
DIMENSIONS: mm

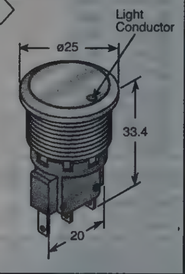
A


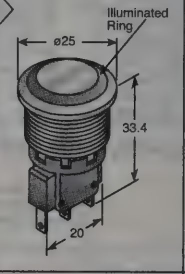
B


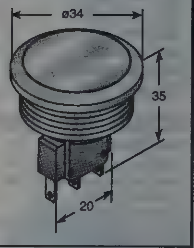
C


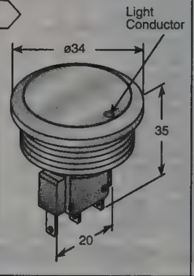
D


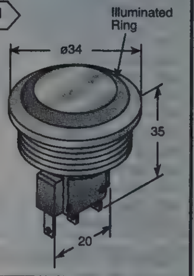
E


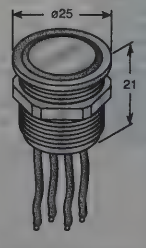
F


G


H


I


J


K


SHIN CHIN Pushbutton Switches

PA1 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Alkyd base (UL flame: 94V-0)
- Contacts/Terminals: Copper w/silver alloy & silver plated
- Epoxy sealed.

Specifications:
- Rating: 6A/125VAC, 3A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

E67774 LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-PA101A1-B/BL	PA101A1-B/BL	A	Black	Metal	On-Off	2.96	2.66	2.40	2.16	2.03
112-PA101A1-R/BL	PA101A1-R/BL	A	Red	Metal	On-Off	2.96	2.66	2.40	2.16	2.03
112-PA106A1-B/BL	PA106A1-B/BL	A	Black	Metal	On-(On)	3.08	2.77	2.49	2.25	2.11

R13-23 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Actuators are ABS (UL flame 94HB)
- Phenolic base

Specifications:
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-23A-R	R13-23A-05-BR	B	Red	Black	Off-(On)	1.40	1.26	1.06	.97	.92
112-R13-23A-B	R13-23A-05-BB	B	Black	Black	Off-(On)	1.40	1.26	1.06	.97	.92
112-R13-23A-BL	R13-23A-05-BU	B	Blue	Black	Off-(On)	1.40	1.26	1.06	.97	.92
112-R13-23B-R	R13-23B-05-BR	B	Red	Black	Off-On	1.40	1.26	1.06	.97	.92
112-R13-23B-B	R13-23B-05-BB	B	Black	Black	Off-On	1.40	1.26	1.06	.97	.92
112-R13-23B-BL	R13-23B--05-BLL	B	Blue	Black	Off-On	1.40	1.26	1.06	.97	.92
112-R13-23B-Y	R13-23B--05-BY	B	Yellow	Black	Off-On	1.40	1.26	1.06	.97	.92

R13-24 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Actuators are ABS (UL flame 94HB)
- Frames are nickel plated brass
- Phenolic base

Specifications:
- Rating: 3A/250VAC, 1.5A/125VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-24A-R	R13-24A-05-BR	C	Red	Metal	Off-(On)	1.09	.96	.83	.70	.65
112-R13-24A-B	R13-24A-05-BB	C	Black	Metal	Off-(On)	1.09	.96	.83	.70	.65
112-R13-24A-BL	R13-24A-05-BU	C	Blue	Metal	Off-(On)	1.09	.96	.83	.70	.65
112-R13-24A-G	R13-24A-05-BG	C	Green	Metal	Off-(On)	1.09	.96	.83	.70	.65
112-R13-24A-W	R13-24A-05-BW	C	White	Metal	Off-(On)	1.09	.96	.83	.70	.65

R13-40 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Actuators are ABS (UL flame 94HB)
- Phenolic base

Specifications:
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-40A-B	R13-40A-05-BB	D	Black	Metal	Off-(On)	1.44	1.29	1.16	1.04	.98
112-R13-40A-R	R13-40A-05-BR	D	Red	Metal	Off-(On)	1.44	1.29	1.16	1.04	.98
112-R13-40B-B	R13-40B-05-BB	D	Black	Metal	Off-On	1.68	1.53	1.40	1.28	1.19
112-R13-40B-R	R13-40B-05-BR	D	Red	Metal	Off-On	1.68	1.53	1.40	1.28	1.19

R13-502 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Black frames are nylon (UL flame 94V-2)
- Metal frames are nickel plated brass
- Terminals: Silver plated brass

Specifications:
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-502A-B/B	R13-502A-05-BB	E	Black	Black	Off-(On)	1.96	1.76	1.59	1.43	1.31
112-R13-502A-R/B	R13-502A-05-BR	E	Red	Black	Off-(On)	1.96	1.76	1.59	1.43	1.31
112-R13-502A-G/B	R13-502A-05-BG	E	Green	Black	Off-(On)	1.96	1.76	1.59	1.43	1.31
112-R13-502MA-B/B	R13-502MA-05-BB	E	Black	Metal	Off-(On)	2.45	2.21	1.99	1.79	1.64
112-R13-502MA-R/B	R13-502MA-05-BR	E	Red	Metal	Off-(On)	2.45	2.21	1.99	1.79	1.64
112-R13-502MA-G/B	R13-502MA-05-BG	E	Green	Metal	Off-(On)	2.45	2.21	1.99	1.79	1.64
112-R13-502MA-Y/B	R13-502MA-05-BY	E	Yellow	Metal	Off-(On)	2.45	2.21	1.99	1.79	1.64
112-R13-502MC-B/B	R13-502MC-05-BB	F	Black	Metal	On-(On)	3.08	2.77	2.49	2.25	2.07
112-R13-502MC-R/B	R13-502MC-05-BR	F	Red	Metal	On-(On)	3.08	2.77	2.49	2.25	2.07

R13-507 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Black frames are nylon (UL flame: 94V-0)
- Metal frames are nickel plated brass
- Terminal: Silver plated brass

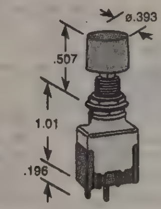
Specifications:
- Rating: 6A/125VAC, 3A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

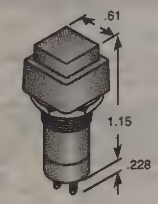
MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-507A-B/B	R13-507A-05-BB	G	Black	Black	Off-(On)	1.75	1.58	1.42	1.28	1.17
112-R13-507A-R/B	R13-507A-05-BR	G	Red	Black	Off-(On)	1.75	1.58	1.42	1.28	1.17
112-R13-507MA-B	R13-507MA-05-BB	G	Black	Metal	Off-(On)	3.22	2.90	2.61	2.35	2.16
112-R13-507MA-R	R13-507MA-05-BR	G	Red	Metal	Off-(On)	3.22	2.90	2.61	2.35	2.16

DIMENSIONS: in.

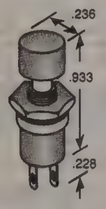
A



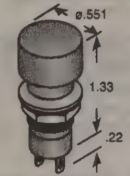
B



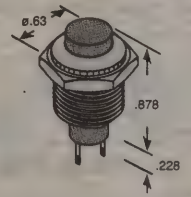
C



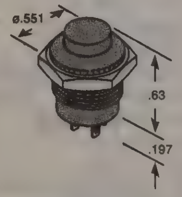
D



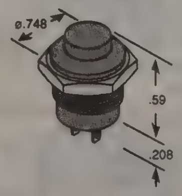
E



F



G



SHIN CHIN Pushbutton and Door Switches

R13-508 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Frames are nylon w/glass fiber (UL flame: 94HB)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute
- LED Illumination: 3VDC

E67774

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-508A-B	R13-508A-05-BB	A	Black	Black	Off-(On)	3.08	2.77	2.49	2.25	2.02
112-R13-508A-R	R13-508A-05-BR	A	Red	Black	Off-(On)	3.08	2.77	2.49	2.25	2.02
112-R13-508AL-G	R13-508AL-05-BGG-L3	A	Illum. Green	Black	Off-(On)	3.57	3.21	2.89	2.60	2.34
112-R13-508AL-R	R13-508AL-05-BRR-L3	A	Illum. Red	Black	Off-(On)	3.57	3.21	2.89	2.60	2.34
112-R13-508B-R	R13-508B-05-BR	A	Red	Black	Off-On	4.12	3.70	3.33	2.99	2.69

R13-509 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Actuators and frames are nylon (UL flame: 94V-2)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-509A-B	R13-509A-05-BB	B	Black	Black	Off-(On)	2.10	1.89	1.70	1.53	1.38
112-R13-509A-R	R13-509A-05-BR	B	Red	Black	Off-(On)	2.10	1.89	1.70	1.53	1.38

R13-510 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Frames are nylon (UL flame: 94V-2)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1000VAC for 1 minute

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-510A-B	R13-510A-05-BB	C	Black	Black	Off-(On)	2.10	1.89	1.70	1.53	1.38
112-R13-510A-R	R13-510A-05-BR	C	Red	Black	Off-(On)	2.10	1.89	1.70	1.53	1.38

R13-511 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Frames are nylon w/glass fiber (UL flame: 94V-2)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-511A-B	R13-511A-05-BB	D	Black	Black	Off-(On)	3.30	2.97	2.67	2.41	2.17
112-R13-511A-R	R13-511A-05-BR	D	Red	Black	Off-(On)	3.30	2.97	2.67	2.41	2.17
112-R13-511B-R	R13-511B-05-BR	D	Red	Black	Off-On	3.50	3.15	2.84	2.55	2.30

R13-81 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Frames are nickel plated brass
- Bases are PBT w/fiber glass
- Terminal type: Solder lug
- Rating: 0.5A/125VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

RoHS Compliant

LR45128

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-81-B	R13-81-09-B	E	Black	Metal	Off-(On)	1.54	1.39	1.25	1.12	.99
112-R13-81-R	R13-81-09-R	E	Red	Metal	Off-(On)	1.54	1.39	1.25	1.12	.99

R13-523 SERIES PUSHBUTTON SWITCHES

Features:
- Material: Frames are nylon (UL flame: 94V-2)
- Terminals: Silver plated brass
- Terminal type: Solder lug
- Illumination: 12V LED
- Rating: 3A/125VAC, 1.5A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-523BL-G-12V	R13-523BL-05-BGG-LI	F	Illum Green	Black	Off-On	4.63	4.16	3.74	3.36	3.09
112-R13-523BL-R-12V	R13-523BL-05-BRR-LI	F	Illum Red	Black	Off-On	4.63	4.16	3.74	3.36	3.09

DOOR SWITCHES

R13-52 Series

Features:
- Material: Frames and actuators are ABS (UL flame: 94HB)
- Terminal type: Screw type
- Rating: 0.75A/125VAC, 0.25A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 1500VAC for 1 minute

E67774

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-52A-W	R13-52A-06-WW	G	White	White	Off-(On)	2.20	1.98	1.79	1.61	1.48

R13-504 Series

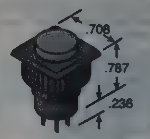
Features:
- Material: Frames are nylon (UL flame: 94V-0)
- Terminal type: Solder lug
- Rating: 2A/125VAC, 1A/250VAC
- Contact resistance: 50mΩ max.
- Insulation resistance: 500VDC 100MΩ min.
- Dielectric strength: 100VAC for 1 minute

For quantities of 2000 and up, call for quote.

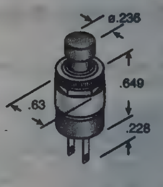
MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button Color	Frame Color	Circuit	Price Each				
						1	10	100	500	1000
112-R13-504A-B	R13-504A-05-BB	H	Black	Black	Off-(On)	2.80	2.52	2.27	2.04	1.88

DIMENSIONS: in.

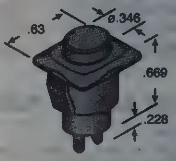
A



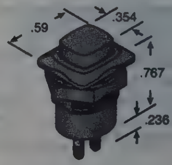
B



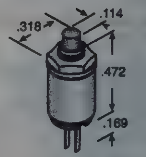
C



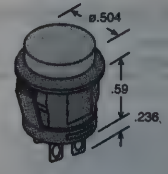
D



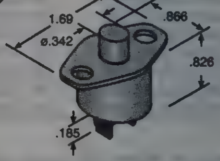
E



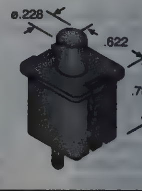
F



G



H



ALCOSWITCH Toggle Switches

Tyco Electronics
Authorized Distributor

Tyco Electronics
Authorized Distributor

ALCOSWITCH A SERIES (GEMINI SERIES) MINIATURE TOGGLE SWITCHES

Specifications:
- Contact rating: Gold - 0.4VA @ 20 VAC/DC; silver - 2A @250 VAC, 5A @ 125 VAC
- Terminal seal: Epoxy
- Case material: Thermoset
- Contact timing: Break before make
- Actuation force: Momentary - 950g max.; maintained - 1750g max.
- Actuator travel: 25°
- Life expectancy: 30,000 cycles

( ) Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
Standard Actuator with Silver Contact Material									
506-A101SYZQ04	A101SYZQ04	A	SPDT	On-None-On	Wire lug	2.32	2.19	1.94	1.74
506-A103SYZQ	A103SYZQ	A	SPDT	On-Off-On	Wire lug	5.13	4.85	4.28	3.85
506-A105SYZQ04	A105SYZQ04	A	SPDT	(On)-Off-(On)	Wire lug	4.86	4.63	4.38	4.13
506-A107SYZQ	A107SYZQ	A	SPDT	On-Off-(On)	Wire lug	5.90	5.58	4.92	4.43
506-A108SYZQ	A108SYZQ	A	SPDT	On-None-(On)	Wire lug	5.47	5.17	4.56	4.10
506-A201SYZQ	A201SYZQ	B	DPDT	On-None-On	Wire lug	5.27	5.11	4.95	4.52
506-A203SYZQ	A203SYZQ	B	DPDT	On-Off-On	Wire lug	7.76	7.33	6.47	5.82
506-A205SYZQ04	A205SYZQ04	B	DPDT	(On)-Off-(On)	Wire lug	7.28	6.88	6.07	5.46
506-A207SYZQ	A207SYZQ	B	DPDT	On-Off-(On)	Wire lug	8.86	8.36	7.38	6.64
506-A208SYZQ	A208SYZQ	B	DPDT	On-None-(On)	Wire lug	9.32	8.81	7.77	6.99
Standard Actuator with Gold Contact Material									
506-A101SYCB	A101SYCB	C	SPDT	On-None-On	PCB	4.34	4.10	3.62	3.25
506-A103SYCB	A103SYCB	C	SPDT	On-Off-On	PCB	5.29	5.00	4.41	3.97
506-A105SYCB	A105SYCB	C	SPDT	(On)-Off-(On)	PCB	5.71	5.39	4.76	4.28
506-A107SYCB	A107SYCB	C	SPDT	On-Off-(On)	PCB	5.40	5.10	4.50	4.05
506-A108SYCB	A108SYCB	C	SPDT	On-None-(On)	PCB	5.40	5.10	4.50	4.05
506-A201SYCB04	A201SYCB04	D	DPDT	On-None-On	PCB	5.38	5.14	4.82	4.58
506-A203SYCB	A203SYCB	D	DPDT	On-Off-On	PCB	9.72	9.18	8.10	7.29
506-A205SYCB	A205SYCB	D	DPDT	(On)-Off-(On)	PCB	9.23	8.72	7.70	6.93
506-A208SYCB04	A208SYCB04	D	DPDT	On-None-(On)	PCB	5.24	4.95	4.37	3.93
Flatted Actuator with Silver Contact Material									
506-A101P3YZQ04	A101P3YZQ04	E	SPDT	On-None-On	Wire lug	5.12	4.75	4.07	3.70
506-A103P3YZQ	A103P3YZQ	E	SPDT	On-Off-On	Wire lug	6.89	6.51	5.75	5.17
506-A105P3ZQ04	A105P3YZQ04	E	SPDT	(On)-Off-(On)	Wire lug	6.71	6.33	5.59	5.03
506-A107P3YZQ	A107P3YZQ	E	SPDT	On-Off-(On)	Wire lug	7.96	7.51	6.63	5.97
506-A108P3ZQ04	A108P3YZQ04	E	SPDT	On-None-(On)	Wire lug	5.87	5.55	4.89	4.40
506-A201P3YZQ	A201P3YZQ	F	DPDT	On-None-On	Wire lug	9.05	8.55	7.55	6.79
506-A203P3YZQ	A203P3YZQ	F	DPDT	On-Off-On	Wire lug	10.13	9.57	8.45	7.60
506-A205P3YZQ	A205P3YZQ	F	DPDT	(On)-Off-(On)	Wire lug	11.14	10.52	9.29	8.36
Locking Actuator with Silver Contact Material									
506-A101KZQ04	A101KZQ04	G	SPDT	On-None-On	Wire lug	7.40	7.04	6.66	6.30
506-A103KZQ	A103KZQ	G	SPDT	On-Off-On	Wire lug	8.08	7.63	6.74	6.06
506-A201KZQ	A201KZQ	H	DPDT	On-None-On	Wire lug	8.59	8.11	7.16	6.44

Tyco Electronics
Authorized Distributor

ALCOSWITCH MTA/MTA-PC SERIES (GREEN SERIES) 6A TOGGLE SWITCHES

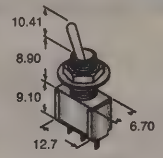
Specifications:
- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical life expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- MTA-PC has PC tail
- Actuation force: .05-1.5kg
- Actuator travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

*** PA types have case .100" (2.5mm) longer than other types** ( ) Momentary **For quantities of 500 and up, call for quote.**

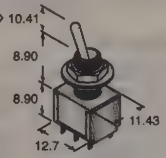
MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTA106D04	MTA106D04	I	SPDT	On-None-On	Wire lug	2.96	2.70	2.47	2.28
506-MTA106E04	MTA106E04	I	SPDT	On-Off-On	Wire lug	7.24	6.52	5.63	5.26
506-MTA106F	MTA106F	I	SPDT	On-None-(On)	Wire lug	6.08	5.75	5.07	4.56
506-MTA106G	MTA106G	I	SPDT	(On)-Off-(On)	Wire lug	6.48	6.12	5.40	4.86
506-MTA106H	MTA106H	I	SPDT	On-Off-(On)	Wire lug	6.50	6.14	5.42	4.87
506-MTA206N	MTA206N	J	DPDT	On-None-On	Wire lug	4.28	4.05	3.57	3.21
506-MTA206P	MTA206P	J	DPDT	On-Off-On	Wire lug	5.20	4.91	4.34	3.90
506-MTA206PA *	MTA206PA	J	SP3T	On-On-On	Wire lug	9.43	8.91	7.86	7.07
506-MTA206R	MTA206R	J	DPDT	On-None-(On)	Wire lug	7.74	7.31	6.45	5.81
506-MTA206S	MTA206S	J	DPDT	(On)-Off-(On)	Wire lug	8.37	7.91	6.98	6.28
506-MTA206T	MTA206T	J	DPDT	On-Off-(On)	Wire lug	8.19	7.74	6.83	6.14
506-MTA306D04	MTA306D04	K	3PDT	On-None-On	Wire lug	15.02	14.28	13.53	12.77
506-MTA306E	MTA306E	K	3PDT	On-Off-On	Wire lug	12.89	12.17	10.74	9.67
506-MTA406N	MTA406N	L	4PDT	On-None-On	Wire lug	13.00	12.00	11.00	10.50
506-MTA406P	MTA406P	L	4PDT	On-Off-On	Wire lug	16.81	15.88	14.01	12.61
506-MTA406PA *	MTA406PA	L	DP3T	On-On-On	Wire lug	19.60	18.51	16.34	14.70
506-MTA106DPC	MTA106DPC	M	SPDT	On-None-On	PCB	2.99	2.82	2.49	2.24
506-MTA106EPC	MTA106EPC	M	SPDT	On-Off-On	PCB	4.12	3.89	3.44	3.09
506-MTA106FPC	MTA106FPC	M	SPDT	On-None-(On)	PCB	6.23	5.88	5.19	4.67
506-MTA106GPC	MTA106GPC	M	SPDT	(On)-Off-(On)	PCB	6.62	6.26	5.52	4.97
506-MTA106HPC04	MTA106HPC04	M	SPDT	On-Off-(On)	PCB	6.78	6.40	5.65	5.08
506-MTA206NPC04	MTA206NPC04	N	DPDT	On-None-On	PCB	6.90	6.35	5.80	5.40
506-MTA206PPC	MTA206PPC	N	DPDT	On-Off-On	PCB	7.61	7.19	6.35	5.71
506-MTA206RPC	MTA206RPC	N	DPDT	On-None-(On)	PCB	7.88	7.45	6.57	5.91
506-MTA206SPC04	MTA206SPC04	N	DPDT	(On)-Off-(On)	PCB	7.84	7.40	6.54	5.88
506-MTA306EPC	MTA306EPC	O	3PDT	On-Off-On	PCB	13.03	12.31	10.86	9.77
506-MTA406NPC04	MTA406NPC04	P	4PDT	On-None-On	PCB	12.98	12.34	11.69	11.03
Accessories for MTA series			Description						
506-B1440004	B1440004	Q	Black 1/4-40 toggle switch boot seal			3.54	3.37	3.19	3.01
506-BT144040	BT14404	R	Black 1/4-40 toggle switch boot seal			6.07	5.76	5.46	5.16

DIMENSIONS: mm

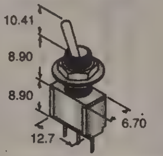
A



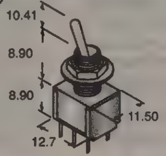
B



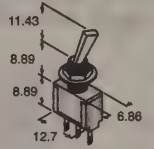
C



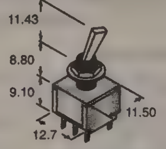
D



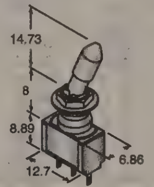
E



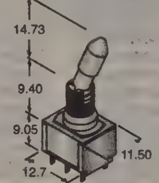
F



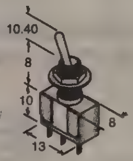
G



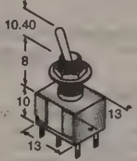
H



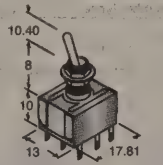
I



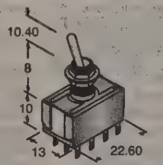
J



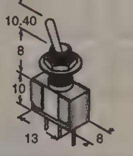
K



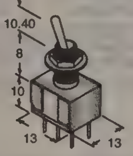
L



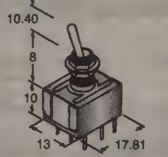
M



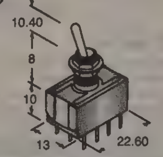
N



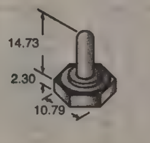
O



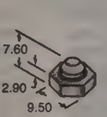
P



Q



R



Tyco Electronics

ALCOSWITCH MTE SERIES (GREEN SERIES) 6A TOGGLE SWITCHES W/ SPLASHPROOF BATON

Specifications:

- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical Life Expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- Actuation force: .05-1.5 kg
- Actuator Travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

( ) Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTE106D04	MTE106D04	A	SPDT	On-None-On	Wire lug	8.03	7.62	7.23	6.82
506-MTE106E	MTE106E	A	SPDT	On-Off-On	Wire lug	7.49	7.07	6.24	5.62
506-MTE106F04	MTE106F04	A	SPDT	On-None-(On)	Wire lug	8.76	8.33	7.89	7.45
506-MTE206N	MTE206N	B	DPDT	On-None-On	Wire lug	9.79	9.25	8.16	7.34
506-MTE206R	MTE206R	B	DPDT	On-None-(On)	Wire lug	11.30	10.68	9.42	8.48
506-MTE306D	MTE306D	C	3PDT	On-None-On	Wire lug	15.23	14.38	12.69	11.42
506-MTE306E	MTE306E	C	3PDT	On-Off-On	Wire lug	14.94	14.11	12.45	11.21
506-MTE406N	MTE406N	D	4PDT	On-None-On	Wire lug	18.07	17.07	15.06	13.55

Tyco Electronics

ALCOSWITCH MTF SERIES (GREEN SERIES) 6A TOGGLE SWITCHES W/ FLAT ACTUATOR

Specifications:

- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical Life Expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- Actuation force: .05-1.5 kg
- Actuator Travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

( ) Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTF106D	MTF106D	E	SPDT	On-None-On	Wire lug	7.02	6.67	6.30	5.75
506-MTF106E04	MTF106E04	E	SPDT	On-Off-On	Wire lug	5.90	5.61	5.31	5.02
506-MTF106G	MTF106G	E	SPDT	(On)-Off-(On)	Wire lug	8.60	8.13	7.17	6.45
506-MTF206N	MTF206N	F	DPDT	On-None-On	Wire lug	5.49	5.19	4.58	4.12
506-MTF206R	MTF206R	F	DPDT	On-None-(On)	Wire lug	9.61	9.08	8.01	7.21
506-MTF206S	MTF206S	F	DPDT	(On)-Off-(On)	Wire lug	10.50	8.40	8.00	7.85
506-MTF306D	MTF306D	G	3PDT	On-None-On	Wire lug	14.04	13.26	11.70	10.53
506-MTF406N	MTF406N	H	4PDT	On-None-On	Wire lug	19.15	18.09	15.96	14.36

Tyco Electronics

ALCOSWITCH MTG SERIES (GREEN SERIES) 6A TOGGLE SWITCHES W/ FLAT ACTUATOR

Specifications:

- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical Life Expectancy: 2 Pos. - 150,000; 3 Pos. - *100,000; 4 Pos. - 60,000 hrs.
- Actuation force: .05-1.5 kg
- Actuator Travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

PA types have case .100" (2.5mm) longer than other types

( ) Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTG106D	MTG106D	I	SPDT	On-None-On	Wire lug	6.86	6.48	5.72	5.14
506-MTG106E04	MTG106E04	I	SPDT	On-Off-On	Wire lug	8.21	8.03	7.75	6.84
506-MTG106F04	MTG106F04	I	SPDT	On-None-(On)	Wire lug	10.16	9.14	8.64	7.62
506-MTG106G04	MTG106G04	I	SPDT	(On)-Off-(On)	Wire lug	8.24	7.83	7.42	7.00
506-MTG206N04	MTG206N04	J	DPDT	On-None-On	Wire lug	6.80	6.30	5.98	5.40
*506-MTG206P04	MTG206P04	J	DPDT	On-Off-On	Wire lug	10.26	9.69	8.56	7.70
506-MTG206PA	MTG206PA	J	SP3T	On-On-On	Wire lug	14.08	13.37	12.67	10.56
506-MTG306D	MTG306D	K	3PDT	On-None-On	Wire lug	14.40	13.60	12.00	10.80
506-MTG406P	MTG406P	L	4PDT	On-Off-On	Wire lug	18.14	17.14	15.12	13.61
Accessories for MTG Series			Description						
506-B15320	B15320	M	Black 15/32-32 toggle switch boot seal			4.12	3.71	3.51	3.30
506-BT15320	BT15320	N	Black 15/32-32 toggle switch boot seal			4.03	3.66	3.02	2.65

Tyco Electronics

ALCOSWITCH MTL SERIES (GREEN SERIES) 6A MINIATURE LOCKING TOGGLE SWITCHES

Specifications:

- Contact rating: 6 A @ 125 VAC, 3 A @ 250 VAC
- Terminal seal: Insert molded
- Contact material: Gold flash over silver
- Mechanical Life Expectancy: 2 Pos. - 150,000; 3 Pos. - 100,000; 4 Pos. - 60,000 hrs.
- Actuation force: .05-1.5 kg
- Actuator Travel: 24°
- High torque bushing shoulder standard
- Contact timing: Break before make

*** PA types have case .100" (2.5mm) longer than other types**

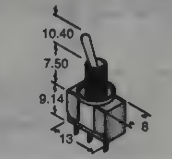
( ) Momentary

For quantities of 500 and up, call for quote.

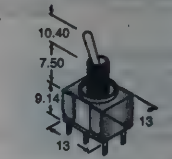
MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Price Each			
						1	25	50	100
506-MTL106D	MTL106D	O	SPDT	On-None-On	Wire lug	6.01	5.68	5.01	4.51
506-MTL106E	MTL106E	O	SPDT	On-Off-On	Wire lug	6.89	6.51	5.75	5.17
506-MTL206N	MTL206N	P	DPDT	On-None-On	Wire lug	9.99	9.44	8.33	7.49
506-MTL206P	MTL206P	P	DPDT	On-Off-On	Wire lug	13.91	13.14	11.60	10.44
*506-MTL206PA	MTL206PA	P	SP3T	On-On-On	Wire lug	16.13	15.23	13.44	12.10
506-MTL306D	MTL306D	Q	3PDT	On-None-On	Wire lug	16.22	15.20	14.31	13.52
506-MTL406N	MTL406N	R	4PDT	On-None-On	Wire lug	18.36	17.34	15.30	13.77
*506-MTL406PA04	MTL406PA04	R	DP3T	On-On-On	Wire lug	23.01	21.85	20.72	19.37

DIMENSIONS: mm

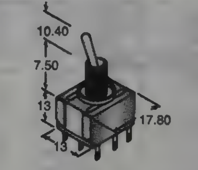
A



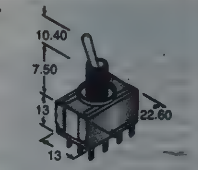
B



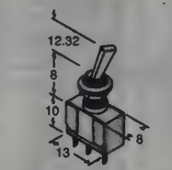
C



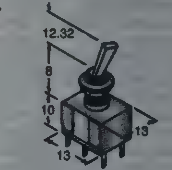
D



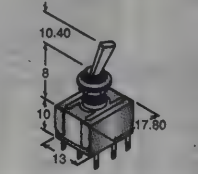
E



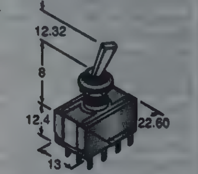
F



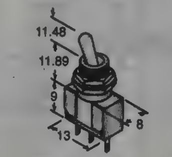
G



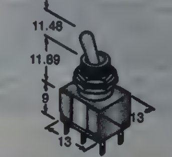
H



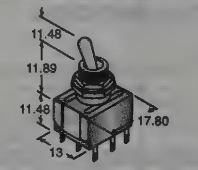
I



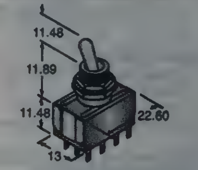
J



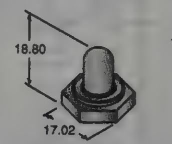
K



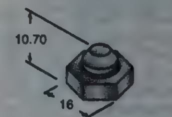
L



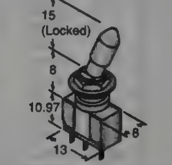
M



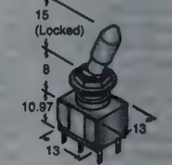
N



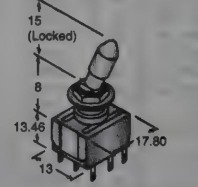
O



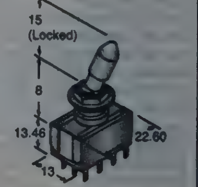
P



Q



R



Toggle Switches

Tyco Electronics ALCOSWITCH TT/TTE SERIES: TINY TOGGLE SWITCHES

Specifications:

- Contact rating: Gold - 0.4VA; Silver - 3A
- Terminal seal: Epoxy on single pole, optional on double pole
- Contact material: Gold over nickel or silver plate
- Dielectric strength: 1000 Vrms
- TTE is splashproof
- Actuator Travel: 26°
- High torque bushing shoulder standard
- Contact timing: Break before make

TT Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Contact Material	Price Each			
							1	25	50	100
With Unthreaded Bushing										
506-TT11AGPC1	TT11AGPC1	A	SPST	On-None-Off	PC term	Gold	7.76	7.37	6.98	6.60
506-TT11DGPC1	TT11DGPC1	A	SPDT	On-None-On	PC term	Gold	10.48	9.45	7.89	6.65
506-TT11EGPC1	TT11EGPC1	A	SPDT	On-None-(On)	PC term	Gold	9.76	9.27	8.78	8.29
506-TT21NGPC1	TT21NGPC1	B	DPDT	On-None-On	PC term	Gold	11.78	11.19	10.60	10.01
506-TT21PGPC1	TT21PGPC1	B	DPDT	On-Off-On	PC term	Gold	11.38	10.74	9.48	8.53
506-TT11DGRA1	TT11DGRA1	C	SPDT	On-None-On	PC term R/A	Gold	6.30	5.98	5.67	5.35
506-TT21NGRA1	TT21NGRA1	D	DPDT	On-None-On	PC term R/A	Gold	12.58	11.95	11.32	10.69
506-TT41NGRA1	TT41NGRA1	E	4PDT	On-None-On	PC term R/A	Gold	20.04	19.04	18.04	17.03
506-TT11DGVRA1	TT11DGVRA1	F	SPDT	On-None-On	PC term Vert. R/A	Gold	8.38	7.96	7.54	7.12
With 1/4-40 Bushing										
506-TT11AGPC9T1/4	TT11AGPC9T1/4	G	SPST	On-None-Off	PC term	Gold	18.16	17.25	16.34	15.44
506-TT11DGPC9T1/4	TT11DGPC9T1/4	G	SPDT	On-None-On	PC term	Gold	14.62	13.11	10.96	9.32
506-TT21NGPC9T1/4	TT21NGPC9T1/4	H	DPDT	On-None-On	PC term	Gold	13.66	12.98	12.29	11.61
506-TT41NGPC9T1/4	TT41NGPC9T1/4	I	4PDT	On-None-On	PC term	Gold	18.90	17.79	16.68	15.57
506-TT13A9T1/4	TT13A9T1/4	J	SPST	On-None-Off	Wire lug	Silver	11.79	11.14	9.83	8.84
506-TT23K9T1/4	TT23K9T1/4	L	DPST	On-None-Off	Wire lug	Silver	15.58	14.80	14.02	13.24
With 10-48 Bushing										
506-TT13A2T	TT13A2T	M	SPST	On-None-Off	Wire lug	Silver	12.34	11.72	11.11	10.49
506-TT13A3T	TT13A3T	N	SPST	On-None-Off	Wire lug	Silver	10.06	9.56	9.05	8.55
506-TT13D2T	TT13D2T	M	SPDT	On-None-On	Wire lug	Silver	10.00	9.50	9.00	8.50
506-TT13E3T	TT13E3T	N	SPDT	On-Off-On	Wire lug	Silver	11.94	11.34	10.75	10.15
506-TT23N2T	TT23N2T	O	DPDT	On-None-On	Wire lug	Silver	12.78	12.14	11.50	10.86
506-TT23N3T	TT23N3T	P	DPDT	On-None-On	Wire lug	Silver	17.16	16.30	15.45	14.58
506-TT23P3T	TT23P3T	P	DPDT	On-Off-On	Wire lug	Silver	22.80	21.66	20.52	19.38
506-TT21NGWW2T	TT21NGWW2T	Q	DPDT	On-None-On	Wire wrap	Gold	18.34	17.26	16.19	15.11
506-TT43N2T	TT43N2T	R	4PDT	On-None-On	Wire lug	Silver	22.44	21.32	20.20	19.08
Accessories for TT and TTE Series			Description							
506-B14400	B14400	V	Black 1/4-40 toggle switch boot seal				2.93	2.66	2.19	1.93
506-BT14400	BT14400	W	Black 1/4-40 toggle switch boot seal				4.03	3.66	3.02	2.65

TTE Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Type	Circuit	Terminal	Contact Material	1	25	50	100
With 10-48 Bushing										
506-TTE13DG2T	TTE13DG2T	M	SPST	On-None-On	Wire lug	Gold	24.95	23.56	20.79	18.71
506-TTE41NGWW2T	TTE41NGWW2T	S	4PDT	On-None-On	Wire wrap	Gold	47.16	44.54	39.30	35.37
Locking Actuator w/ 1/4-40 Bushing										
506-TTE13D8T1/4	TTE13D8T1/4	T	SPST	On-None-On	Wire lug	Silver	73.24	68.93	64.62	60.31
506-TTE23N8T1/4	TTE23N8T1/4	U	DPST	On-None-On	Wire lug	Silver	67.07	59.62	55.89	52.17

Accessories for Toggle Switch

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part No.	Fig.	Fits Series	Description	Price Each			
					1	25	50	100
506-B15320	B15320	X	MTG	Black 15/32-32 toggle switch boot seal	4.12	3.71	3.51	3.30
506-BT15320	BT15320	Y	MTG	Black 15/32-32 toggle switch boot seal	5.92	5.62	5.33	5.03

APEM APEM 600 H SERIES POWER TOGGLE SWITCHES

Specifications:

- Solder terminals

( ) = Momentary contact

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Type	Function	Contact Rating	Price Each			
						1	25	100	500
642-631H2	631H2	Z	SPST	On-None-Off	15A	4.98	3.98	3.48	2.99
642-636H2	636H2	Z	SPDT	On-None-On	15A	5.93	4.74	4.15	3.56
642-637H2	637H2	Z	SPDT	(On)-Off-(On)	15A	4.40	3.73	3.53	3.32
642-638H2	638H2	Z	SPDT	On-Off-(On)	15A	6.28	5.02	4.39	3.77
642-639H2	639H2	Z	SPDT	On-Off-On	15A	6.03	4.82	4.22	3.62
642-641H2	641H2	Z	DPST	On-None-Off	15A	8.45	6.76	5.92	5.07
642-644H2	644H2	Z	DPDT	On-On-On	15A	10.73	8.58	7.51	6.44
642-646H2	646H2	Z	DPDT	On-None-On	15A	10.13	8.10	7.09	6.08
642-647H2	647H2	Z	DPDT	(On)-Off-(On)	15A	10.73	8.58	7.51	6.44
642-648H2	648H2	Z	DPDT	On-Off-(On)	15A	10.73	8.58	7.51	6.44
642-649H2	649H2	Z	DPDT	On-Off-On	15A	10.30	8.24	7.21	6.18
642-651H2	651H2	AA	3PST	On-None-Off	15A	14.65	11.72	10.26	8.79
642-656H2	656H2	AA	3PDT	On-None-On	15A	16.65	13.32	11.66	9.99
642-657H2	657H2	AA	3PDT	(On)-Off-(On)	15A	17.70	14.16	12.39	10.62
642-658H2	658H2	AA	3PDT	On-Off-(On)	15A	17.88	14.30	12.51	10.73
642-659H2	659H2	AA	3PDT	On-Off-On	15A	17.00	13.60	11.90	10.20

APEM APEM 600 NH SERIES POWER TOGGLE SWITCHES

Specifications:

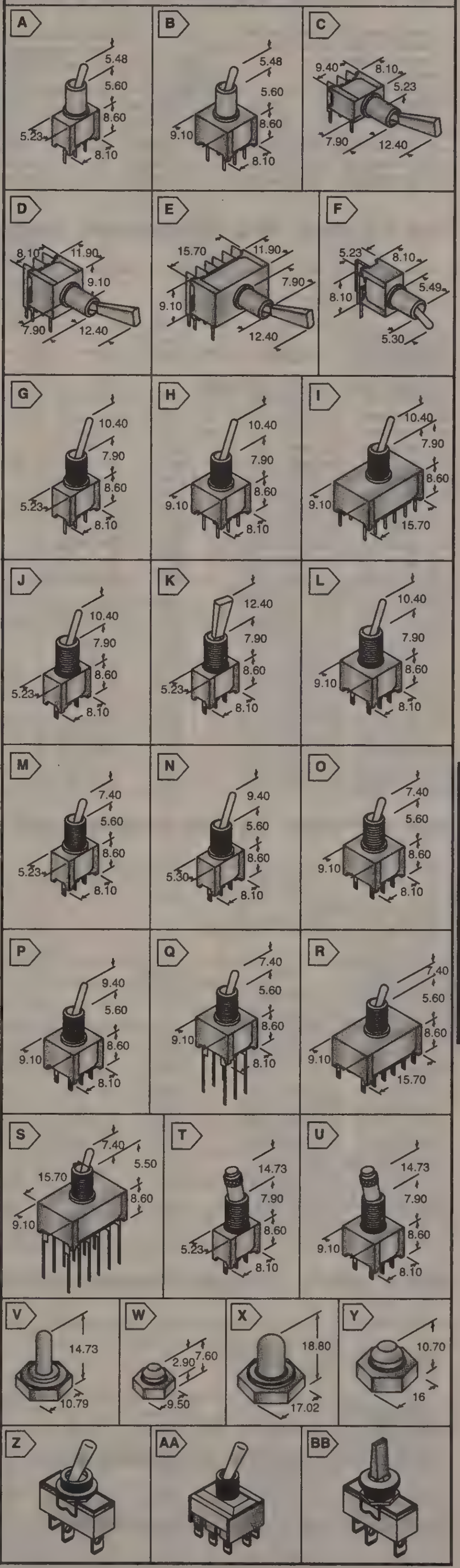
- Contact ratings: Functions: ON-OFF and ON-ON; 15A 250VAC, 20A 125VAC or 10A 24VDC
  Functions: ON-OFF-ON; 15A 250VAC, 20A 125VAC or 10A 24VDC
- Operating temp. range: -20°C to +55°C
- Contact resistance: 10mΩ max.
- Solder terminals

( ) = Momentary contact

For quantities of 1000 and up, call for quote

MOUSER STOCK NO.	Apem Part No.	Fig.	Type	Function	Contact Rating	Price Each			
						1	25	100	500
642-631NH2	631NH2	BB	SPST	On-None-Off	15A	4.98	3.98	3.48	2.99
642-636NH2	636NH2	BB	SPDT	On-None-On	15A	5.93	4.74	4.15	3.56
642-637NH2	637NH2	BB	SPDT	(On)-Off-(On)	15A	6.28	5.02	4.39	3.77
642-638NH2	638NH2	BB	SPDT	On-Off-(On)	15A	6.28	5.02	4.39	3.77
642-639NH2	639NH2	BB	SPDT	On-Off-On	15A	6.03	4.82	4.22	3.62

DIMENSIONS: mm



C&K Toggle Switches

C&K GT SERIES: SEALED ULTRAMINIATURE TOGGLE SWITCHES

- Contact Material: Gold Terminal Plating
- Internal O-ring seal standard with all actuators
- Epoxy sealed termination
- Lead Free
- Contact Rating: 0.4VA @ 20VAC or DC max.
- Case and actuator material: Glass filled nylon (UL 94V-0)
- Body Height: .210"

RoHS Compliant LEAD-FREE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Mounting Type	Actuator/Bushing Height	Contact Material	Price Each			
								1	25	100	250
611-GT11MSCBE	GT11MSCBE	A	SPDT	On-On	Surface mount	.50"/.063"	Gold	5.53	5.23	4.78	4.63
611-GT11MABE	GT11MABE	B	SPDT	On-On	R/A PC thru-hole	.50"/.063"	Gold	4.74	4.52	4.30	4.08
611-GT12MABE	GT12MABE	B	SPST	Off-On	R/A PC thru-hole	.150"/.063"	Gold	5.04	4.81	4.57	4.34

C&K E SERIES: SEALED MINIATURE TOGGLE SWITCHES

- Contact Material: Cu alloy, w/ Au plate over Ni plate, Au plate terminal
- Epoxy sealed termination
- Actuator material: Chrome plated brass
- Internal O-ring seal standard with all actuators
- Contact Rating: 0.4VA @ 20VAC or DC max.
- Case and bushing material: Glass filled nylon
- Unthreaded bushing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Price Each			
							1	25	100	250
Standard Rount Actuator (.300' high)										
611-E101-001	E101MD1ABE	C	SPDT	On-None-On	R/A PC thru-hole	.250"	4.50	4.29	4.08	3.87
611-E101-002	E101MD1AV2BE	D	SPDT	On-None-On	Vertical R/A PC thru-hole	.250"	4.65	4.43	4.21	4.00
611-E101-006	E101MD1CBE	E	SPDT	On-None-On	PC thru-hole	.250"	4.08	3.89	3.70	3.51
611-E103-001	E103MD1ABE	C	SPDT	On-Off-On	R/A PC thru-hole	.250"	5.31	5.07	4.82	4.57
611-E103-002	E103MD1AV2BE	D	SPDT	On-Off-On	Vertical R/A PC thru-hole	.250"	5.78	5.51	5.24	4.97
611-E103-004	E103MD1CBE	E	SPDT	On-Off-On	PC thru-hole	.250"	4.90	4.67	4.44	4.21
611-E201-001	E201MD1ABE	C	DPDT	On-None-On	R/A PC thru-hole	.250"	7.04	6.72	6.39	6.06
611-E201-002	E201MD1AV2BE	D	DPDT	On-None-On	Vertical R/A PC thru-hole	.250"	9.86	8.92	8.45	7.98
611-E201-006	E201MD1CBE	E	DPDT	On-None-On	PC thru-hole	.250"	6.25	5.96	5.66	5.37
611-E203-001	E203MD1ABE	C	DPDT	On-Off-On	R/A PC thru-hole	.250"	7.91	7.54	7.17	6.80
611-E203-002	E203MD1AV2BE	D	DPDT	On-Off-On	Vertical R/A PC thru-hole	.250"	8.43	8.03	7.64	7.25
611-E203-003	E203MD1CBE	E	DPDT	On-Off-On	PC thru-hole	.250"	7.11	6.78	6.45	6.12
Long Round Actuator (.500" high)										
611-E101-004	E101SD1ABE	C	SPDT	On-None-On	R/A PC thru-hole	.250"	4.50	4.29	4.08	3.87
611-E101-007	E101SD1AV2BE	D	SPDT	On-None-On	Vertical R/A PC thru-hole	.250"	4.96	4.73	4.50	4.27
611-E101-003	E101SD1CBE	E	SPDT	On-None-On	PC thru-hole	.250"	4.08	3.89	3.70	3.51
611-E103-005	E103SD1ABE	C	SPDT	On-Off-On	R/A PC thru-hole	.250"	5.31	5.07	4.82	4.57
611-E103-006	E103SD1AV2BE	D	SPDT	On-Off-On	Vertical R/A PC thru-hole	.250"	5.78	5.51	5.24	4.97
611-E103-003	E103SD1CBE	E	SPDT	On-Off-On	PC thru-hole	.250"	4.90	4.67	4.44	4.21
611-E201-007	E201SD1ABE	C	DPDT	On-None-On	R/A PC thru-hole	.250"	7.04	6.72	6.39	6.06
611-E201-008	E201SD1AV2BE	D	DPDT	On-None-On	Vertical R/A PC thru-hole	.250"	7.58	7.23	6.87	6.52
611-E201-003	E201SD1CBE	E	DPDT	On-None-On	PC thru-hole	.250"	6.25	5.96	5.66	5.37
611-E203-004	E203SD1ABE	C	DPDT	On-Off-On	R/A PC thru-hole	.250"	7.91	7.54	7.17	6.80
611-E203S-002	E203SD1AV2BE	D	DPDT	On-Off-On	Vertical R/A PC thru-hole	.250"	8.37	7.98	7.59	7.20
611-E203-005	E203SD1CBE	E	DPDT	On-Off-On	PC thru-hole	.250"	7.11	6.78	6.45	6.12

C&K ET SERIES: SEALED SUBMINIATURE TOGGLE SWITCHES

- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  K- Cu alloy, w/ Au plate over Ni plate, SnPb plate terminal
  G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal
- Epoxy sealed termination
- Actuator material: Chrome plated brass
- Internal O-ring seal standard with all actuators
- Contact Rating: B & K- 0.4VA @ 20VAC or DC max.
  G- 0.4VA @ 20VAC or DC max. or
  5A @ 120VAC; 2A @ 250VAC
- Case and bushing material: Glass filled nylon
- Unthreaded bushing

( ) = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Contact Material	Price Each			
								1	25	100	250
Standard Round Actuator (.240" high)											
611-ET01-011	ET01MD1ABE	F	SPDT	On-On	R/A PC thru-hole	.177"	B	4.90	4.67	4.44	4.21
611-ET01-006	ET01MD1AGE	F	SPDT	On-On	R/A PC thru-hole	.177"	G	5.21	4.96	4.72	4.48
611-ET01-002	ET01MD1AVBE	D	SPDT	On-On	R/A PC thru-hole	.177"	B	5.29	5.05	4.80	4.55
611-ET01-001	ET01MD1CBE	E	SPDT	On-On	PC thru-hole	.177"	B	4.47	4.27	4.06	3.85
611-ET01-013	ET01MD1V3BE	G	SPDT	On-On	V bracket	.177"	B	4.90	4.67	4.44	4.21
611-ET03-011	ET03MD1ABE	F	SPDT	On-Off-On	R/A PC thru-hole	.177"	B	5.47	5.22	4.96	4.71
611-ET08-011	ET08MD1ABE	F	SPDT	On-(On)	R/A PC thru-hole	.177"	B	5.47	5.22	4.96	4.71
Round Actuator (.320" high)											
611-ET01-005	ET01LD1CBE	E	SPDT	On-On	PC thru-hole	.177"	B	4.47	4.27	4.06	3.85
Long Round Actuator (.400" high)											
611-ET01-003	ET01SD1CBE	E	SPDT	On-On	PC thru-hole	.177"	B	4.47	4.27	4.06	3.85
611-ET01-004	ET01SD1ABE	F	SPDT	On-On	R/A PC thru-hole	.177"	B	4.90	4.67	4.44	4.21

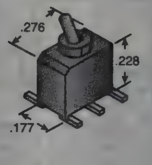
C&K T SERIES: SEALED SUBMINIATURE TOGGLE SWITCHES

- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Actuator material: Chrome plated brass
- Housing material: Stainless steel
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
  Q- 5A @ 120VAC; 2A @ 250VAC
- Bushing material: Nickel plated brass
- Case material: Glass filled nylon or DAP

For quantities of 500 and up, call for quote.

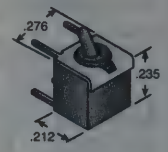
MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Mounting Type	Bushing Height	Contact Material	Price Each			
								1	25	100	250
Standard Round Actuator (.370" high), Threaded Bushing											
611-T101-001	T101SHCQE	H	SPDT	On-On	PC thru-hole	.220" flat	Q	4.05	3.86	3.68	3.49
611-T103-001	T103SHCQE	H	SPDT	On-Off-On	PC thru-hole	.220" flat	Q	4.87	4.65	4.42	4.19
611-T103-002	T103SHZQE	I	SPDT	On-Off-On	Solder lug	.220" flat	Q	5.01	4.77	4.54	4.31
Short Round Actuator (.210" high), Unthreaded Bushing											
611-T101-004	T101MH9ABE	F	SPDT	On-On	R/A PC thru-hole	.220" flat	B	4.50	4.29	4.08	3.87
611-T101-005	T101MH9AVBE	D	SPDT	On-On	R/A PC thru-hole	.220" flat	B	4.74	4.52	4.30	4.08

A



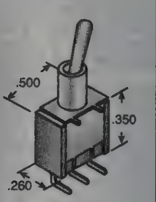
(SPDT Shown)

B



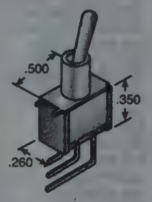
(SPDT Shown)

C



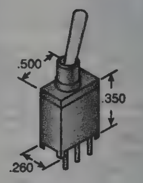
(SPDT Shown)

D



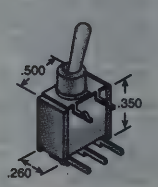
(SPDT Shown)

E

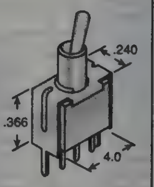


(SPDT Shown)

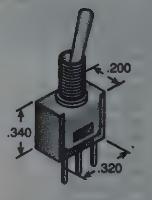
F



G

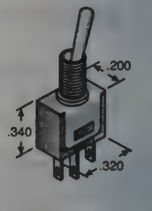


H



(SPDT Shown)

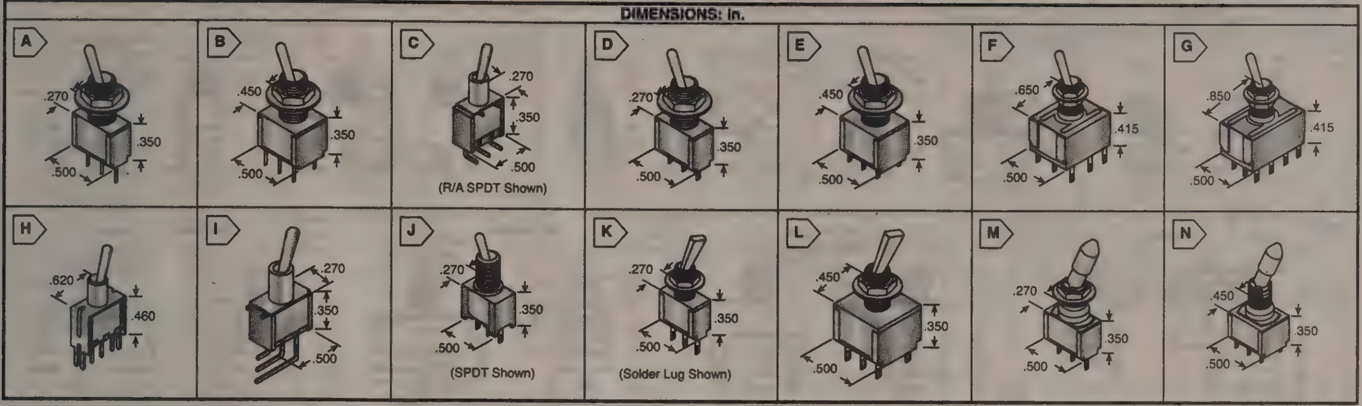
I



(SPDT Shown)

C&K Toggle Switches

DIMENSIONS: in.

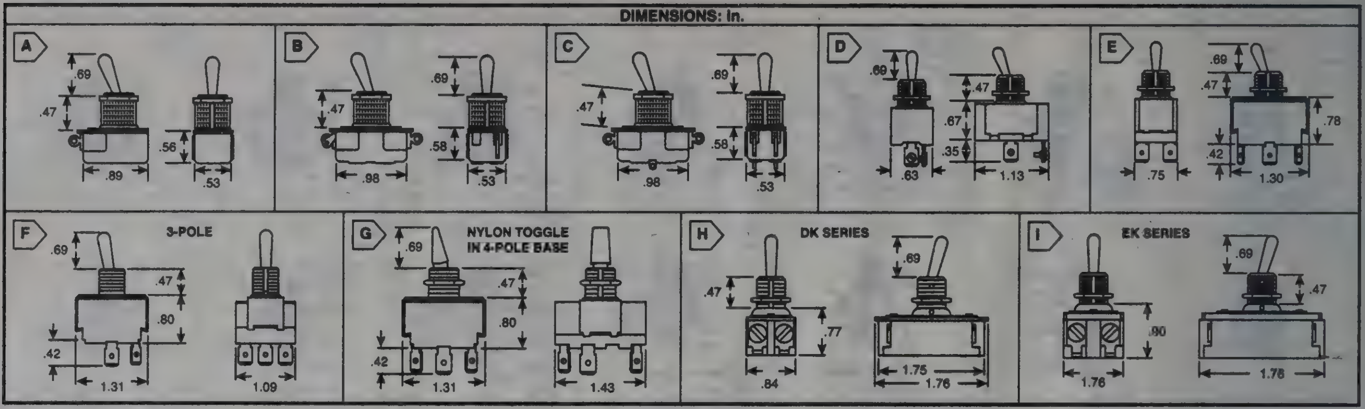


C&K 7000 SERIES MINIATURE TOGGLE SWITCHES, PANEL MOUNT

- Contact material:
  - B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  - K- Cu alloy, w/ Au plate over Ni plate, SnPb plate terminal
  - Q- Cu alloy, w/ Ag plate, Ag plate terminal
  - G- Coin Ag, w/ Au plate over Ni plate, Au plate terminal
- Contact rating:
  - B & K- 0.4VA @ 20VAC or DC max.
  - Q- 5A @ 120VAC; 2A @ 250VAC
  - G- 0.4VA @ 20VAC or DC max. or 5A @ 120VAC @ 250VAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Termination	Bushing	Contact Material	Price Each			
								1	25	100	250
Standard Round Actuator (.420" high)											
611-7101-054	7101SYCBE	A	SPDT	On-On	PC thru-hole	.350" high, keyway	B	4.29	4.10	3.92	3.64
611-7101-002	7101SYCQE	A	SPDT	On-On	PC thru-hole	.350" high, keyway	Q	4.29	4.10	3.92	3.64
611-7103-002	7103SYCQE	A	SPDT	On-Off-On	PC thru-hole	.350" high, keyway	Q	4.72	4.51	4.31	4.00
611-7105-002	7105SYCQE	A	SPDT	(On)-Off-(On)	PC thru-hole	.350" high, keyway	Q	4.81	4.60	4.39	4.08
611-7107-002	7107SYCQE	A	SPDT	On-Off-(On)	PC thru-hole	.350" high, keyway	Q	4.81	4.60	4.39	4.08
611-7201-054	7201SYCBE	B	DPDT	On-On	PC thru-hole	.350" high, keyway	B	6.33	6.05	5.78	5.36
611-7201-002	7201SYCQE	B	DPDT	On-On	PC thru-hole	.350" high, keyway	Q	6.33	6.05	5.78	5.36
611-7101-075	7101SD9CQE	C	SPDT	On-On	PC thru-hole	.280" high, keyway	Q	4.29	4.10	3.92	3.64
611-7101-004	7101SD9ABE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	B	4.74	4.53	4.33	4.02
611-7101-007	7101SH3ZQE	D	SPDT	On-On	Solder lug	.296" high, flat	Q	5.55	5.30	5.06	4.70
611-7101-005	7101SYZBE	D	SPDT	On-On	Solder lug	.350" high, keyway	B	4.17	3.99	3.81	3.54
611-7101-006	7101SYZGE	D	SPDT	On-On	Solder lug	.350" high, keyway	G	4.48	4.28	4.09	3.80
611-7101-001	7101SYZQE	D	SPDT	On-On	Solder lug	.350" high, keyway	Q	4.17	3.99	3.81	3.54
611-7103-005	7103SYZBE	D	SPDT	On-Off-On	Solder lug	.350" high, keyway	B	4.60	4.40	4.20	3.90
611-7103-001	7103SYZQE	D	SPDT	On-Off-On	Solder lug	.350" high, keyway	Q	4.60	4.40	4.20	3.90
611-7105-001	7105SYZQE	D	SPDT	(On)-Off-(On)	Solder lug	.350" high, keyway	Q	4.69	4.49	4.28	3.98
611-7107-001	7107SYZQE	D	SPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q	4.69	4.49	4.28	3.98
611-7201-005	7201SYZBE	E	DPDT	On-On	Solder lug	.350" high, keyway	B	6.14	5.87	5.60	5.20
611-7201-001	7201SYZQE	E	DPDT	On-On	Solder lug	.350" high, keyway	Q	6.14	5.87	5.60	5.20
611-7207-001	7207SYZQE	E	DPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q	7.06	6.75	6.45	5.99
611-7211-001	7211SYZQE	E	DPDT	On-On-On	Solder lug	.350" high, keyway	Q	7.42	7.10	6.77	6.29
611-7301-001	7301SYZQE	F	3PDT	On-On	Solder lug	.350" high, keyway	Q	10.45	9.99	9.54	8.86
611-7303-001	7303SYZQE	F	3PDT	On-Off-On	Solder lug	.350" high, keyway	Q	11.04	10.56	10.08	9.36
611-7401-001	7401SYZQE	G	4PDT	On-On	Solder lug	.350" high, keyway	Q	14.45	13.82	13.20	12.25
611-7101-076	7101SD9V3BE	H	SPDT	On-On	V bracket	.280" high, keyway	B	5.21	4.99	4.76	4.42
Standard Round Actuator (.420" high), Splashproof Bushing											
611-7101-071	7101SCWZQE	D	SPDT	On-On	Solder lug	.294" high, flat	Q	5.40	5.17	4.93	4.58
611-7105-071	7105SCWZQE	D	SPDT	(On)-Off-(On)	Solder lug	.294" high, flat	Q	5.92	5.67	5.41	5.02
611-7201-071	7201SCWZQE	E	DPDT	On-On	Solder lug	.294" high, flat	Q	7.68	7.26	6.64	6.43
Short Round Actuator (.200" high)											
611-7101-063	7101MDCQE	A	SPDT	On-On	PC thru-hole	.280" high, keyway	Q	4.29	4.10	3.92	3.64
611-7101-051	7101MD9ABE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	B	4.74	4.53	4.33	4.02
611-7101-053	7101MD9AQE	C	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	Q	4.74	4.53	4.33	4.02
611-7101-061	7101MD9AV2BE	I	SPDT	On-On	R/A PC thru-hole	.280" high, keyway	B	5.00	4.78	4.57	4.24
611-7103-061	7103MD9AV2BE	I	SPDT	On-Off-On	R/A PC thru-hole	.280" high, keyway	B	5.43	5.19	4.95	4.60
611-7105-051	7105MD9ABE	C	SPDT	(On)-Off-(On)	R/A PC thru-hole	.280" high, keyway	B	5.26	5.03	4.80	4.46
611-7201-051	7201MD9ABE	C	DPDT	On-On	R/A PC thru-hole	.280" high, keyway	B	7.18	6.87	6.56	6.09
611-7101-064	7101MDZQE	J	SPDT	On-On	Solder lug	.280" high, keyway	Q	4.17	3.99	3.81	3.54
611-7101-065	7101MYZQE	J	SPDT	On-On	Solder lug	.350" high, keyway	Q	4.17	3.99	3.81	3.54
611-7201-064	7201MDZQE	J	DPDT	On-On	Solder lug	.280" high, keyway	Q	6.14	5.87	5.60	5.20
611-7101-062	7101MD9V3QE	H	SPDT	On-On	V bracket	.280" high, keyway	Q	5.21	4.99	4.76	4.42
611-7103-062	7103MD9V3BE	H	SPDT	On-Off-On	V bracket	.280" high, keyway	B	5.64	5.39	5.15	4.78
Long Round Actuator (.640" high)											
611-7201-041	7201L1YZQE	E	DPDT	On-On	Solder lug	.350" high, keyway	Q	6.14	5.87	5.60	5.20
Flatted, Anti-Rotation Actuator (.450" high)											
611-7101-022	7101P3YCQE	K	SPDT	On-On	PC thru-hole	.350" high, keyway	Q	5.83	5.57	5.32	4.94
611-7105-022	7105P3YCQE	K	SPDT	(On)-Off-(On)	PC thru-hole	.350" high, keyway	Q	6.35	6.07	5.80	5.38
611-7101-021	7101P3YZQE	K	SPDT	On-On	Solder lug	.350" high, keyway	Q	5.71	5.46	5.21	4.84
611-7103-021	7103P3YZQE	K	SPDT	On-Off-On	Solder lug	.350" high, keyway	Q	6.14	5.87	5.60	5.20
611-7201-025	7201P3YZBE	L	DPDT	On-On	Solder lug	.350" high, keyway	B	7.68	7.34	7.01	6.51
611-7201-021	7201P3YZQE	L	DPDT	On-On	Solder lug	.350" high, keyway	Q	7.68	7.34	7.01	6.51
611-7205-021	7205P3YZQE	L	DPDT	(On)-Off-(On)	Solder lug	.350" high, keyway	Q	8.41	8.05	7.68	7.13
611-7207-021	7207P3YZQE	L	DPDT	On-Off-(On)	Solder lug	.350" high, keyway	Q	8.60	8.23	7.85	7.29
Large Round Actuator (.687" high)											
611-7101-081	7101TZQE	D	SPDT	On-On	Solder lug	.448" high, keyway	Q	6.47	6.19	5.91	5.48
611-7201-081	7201TZQE	E	DPDT	On-On	Solder lug	.448" high, keyway	Q	8.44	8.07	7.70	7.15
611-7203-081	7203TZQE	E	DPDT	On-Off-On	Solder lug	.448" high, keyway	Q	9.17	8.77	7.40	5.80
Locking Actuator (.704" high)											
611-7101-031	7101K2ZQE	M	SPDT	On-On	Solder lug	.260" high, keyway	Q	5.50	5.16	4.94	4.64
611-7201-031	7201K2ZQE	N	DPDT	On-On	Solder lug	.260" high, keyway	Q	9.10	8.70	8.31	7.71
611-7203-031	7203K2ZQE	N	DPDT	On-Off-On	Solder lug	.260" high, keyway	Q	9.83	9.41	8.98	8.34



CARLING POWER TOGGLE SWITCHES

Specifications:

- 6-20 A @ 125 VAC
- Actuator/Bushing Material: Brass/Nickel Plate
- 15/32" Threaded Bushing, 11/16" Toggle, 3/4" HP
- Combi Terminals Function as Both .250 QC Tabs and Solder Lug Terminal

✱1 HP.

For quantities of 100 and up, call for quote.

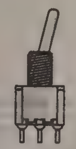
MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Switch Current (125VAC)	Contact Form	Circuit ( ) = Momentary	Termination	Price Each		
							1	25	50
691-110-73	110-73	A	6 A	SPST	ON-NONE-OFF	Solder lug terminals	4.51	3.40	3.12
691-110-S-73	110-S-73	A	6 A	SPST	ON-NONE-OFF	Screw terminals	6.06	4.59	4.21
691-111-16-73	111-16-73	A	6 A	SPST	ON-NONE-OFF	Wire leads	6.06	4.59	4.21
691-2BB62-73	2BB62-73	B	6 A	SPDT	ON-NONE-OFF	Solder lug terminals	5.69	4.30	3.94
691-2BK62-73	2BK62-73	B	6 A	DPST	ON-NONE-OFF	Solder lug terminals	8.19	6.19	5.68
691-2BK65-73	2BK65-73	B	6 A	DPST	ON-NONE-OFF	Wire leads	10.83	8.19	7.51
691-2BL62-73	2BL62-73	C	6 A	DPDT	ON-NONE-ON	Solder lug terminals	9.40	7.11	6.52
691-2FA52-73	2FA52-73	D	15 A	SPST	ON-NONE-OFF	Combi terminals	4.68	3.55	3.25
691-2FA53-73	2FA53-73	D	15 A	SPST	ON-NONE-OFF	Solder lug terminals	3.64	2.75	2.52
691-2FA53-73/TABS	2FA53-73/TABS	D	15 A	SPST	ON-NONE-OFF	.250 QC Tabs	3.64	2.75	2.52
691-2FA54-73	2FA54-73	D	15 A	SPST	ON-NONE-OFF	Screw terminals	4.17	3.15	2.89
691-2FB52-73	2FB52-73	D	15 A	SPST	ON-NONE-ON	Combi terminals	5.93	4.48	4.11
691-2FB53-73	2FB53-73	D	15 A	SPST	ON-NONE-ON	Solder lug terminals	4.48	3.38	3.10
691-2FB53-73/TABS	2FB53-73/TABS	D	15 A	SPST	ON-NONE-ON	.250 QC Tabs	4.48	3.38	3.10
691-2FB54-73	2FB54-73	D	15 A	SPST	ON-NONE-ON	Screw terminals	5.27	3.98	3.65
691-2FC52-73	2FC52-73	D	15 A	SPDT	ON-OFF-ON	Combi terminals	5.93	4.48	4.11
691-2FC53-73	2FC53-73	D	15 A	SPDT	ON-OFF-ON	Solder lug terminals	4.48	3.38	3.10
691-2FC53-73/TABS	2FC53-73/TABS	D	15 A	SPDT	ON-OFF-ON	.250 QC Tabs	4.48	3.38	3.10
691-2FC54-73	2FC54-73	D	15 A	SPDT	ON-OFF-ON	Screw terminals	5.27	3.98	3.65
691-6FA5H-73	6FA5H-73	D	15 A	SPST	(ON)-NONE-OFF	Combi terminals	7.41	5.60	5.13
691-6FA5Y-73	6FA5Y-73	D	15 A	SPST	ON-NONE-(OFF)	Combi terminals	9.05	6.85	6.27
691-6FB5H-73	6FB5H-73	D	15 A	SPST	ON-NONE-(ON)	Combi terminals	7.99	6.05	5.54
691-6FC54-73	6FC54-73	D	15 A	SPDT	(ON)-OFF-(ON)	Screw terminals	7.33	5.54	5.08
691-6FC5H-73	6FC5H-73	D	15 A	SPDT	(ON)-OFF-(ON)	Combi terminals	7.99	6.05	5.54
691-6FC5Y-73	6FC5Y-73	D	15 A	SPDT	ON-OFF-(ON)	Combi terminals	7.99	6.05	5.54
691-2GK50-73	2GK50-73	E	15 A	DPST	ON-NONE-OFF	Solder lug terminals	5.77	4.36	3.99
691-2GK51-73	2GK51-73	E	15 A	DPST	ON-NONE-OFF	.250 QC Tabs	5.77	4.36	3.99
691-2GK54-73	2GK54-73	E	15 A	DPST	ON-NONE-OFF	Solder lug terminals	6.83	5.17	4.74
691-2GK53-73	2GK57-73	E	15 A	DPST	ON-NONE-OFF	Combi terminals	6.31	4.77	4.37
691-2GL50-73	2GL50-73	E	15 A	DPST	ON-NONE-ON	Solder lug terminals	6.89	5.20	4.77
691-2GL51-73	2GL51-73	E	15 A	DPST	ON-NONE-ON	.250 QC Tabs	6.89	5.20	4.77
691-2GL54-73	2GL54-73	E	15 A	DPST	ON-NONE-ON	Screw terminals	8.47	6.41	5.87
691-2GL57-73	2GL57-73	E	15 A	DPST	ON-NONE-OFF	Combi terminals	9.58	7.24	6.63
691-2GM50-73	2GM50-73	E	15 A	DPDT	ON-OFF-ON	Solder lug terminals	6.89	5.70	5.05
691-2GM51-73	2GM51-73	E	15 A	DPDT	ON-OFF-ON	.250 QC Tabs	6.89	5.20	4.77
691-2GM54-73	2GM54-73	E	15 A	DPDT	ON-OFF-ON	Screw terminals	8.47	6.41	5.87
691-2GM57-73	2GM57-73	E	15 A	DPDT	ON-OFF-ON	Combi terminals	9.58	7.24	6.63
691-6GK5H-73	6GK5H-73	E	15 A	DPST	(ON)-NONE-OFF	Combi terminals	11.38	8.60	7.89
691-6GK5Y-73	6GK5Y-73	E	15 A	DPST	ON-NONE-(OFF)	Combi terminals	11.38	8.60	7.89
691-6GL5H-73	6GL5H-73	E	15 A	DPST	ON-NONE-(ON)	Combi terminals	14.60	11.03	10.11
691-6GM5H-73	6GM5H-73	E	15 A	DPDT	ON-OFF-(ON)	Combi terminals	14.60	11.03	10.11
691-6GM5Y-73	6GM5Y-73	E	15 A	DPDT	(ON)-OFF-(ON)	Combi terminals	14.60	11.03	10.11
691-HK250-73	HK250-73	F	15 A	3PST	OFF-NONE-ON	Solder lug terminals	10.59	8.01	7.34
691-HK251-73	HK251-73	F	15 A	3PST	OFF-NONE-ON	.250 QC Tabs	10.59	8.01	7.34
691-HK254-73	HK254-73	F	15 A	3PST	OFF-NONE-ON	Screw terminals	12.53	9.47	8.68
691-HL250-73	HL250-73	F	15 A	3PST	ON-NONE-ON	Solder lug terminals	13.01	9.83	9.01
691-HL251-73	HL251-73	F	15 A	3PST	ON-NONE-ON	.250 QC Tabs	13.01	9.83	9.01
691-HL254-73	HL254-73	F	15 A	3PST	ON-NONE-ON	Screw terminals	15.57	11.77	10.79
691-HM250-73	HM250-73	F	15 A	3PDT	ON-OFF-ON	Solder lug terminals	13.01	9.83	9.01
691-HM251-73	HM251-73	F	15 A	3PDT	ON-OFF-ON	.250 QC Tabs	13.01	9.83	9.01
691-HM254-73	HM254-73	F	15 A	3PDT	ON-OFF-ON	Screw terminals	15.57	11.77	10.79
691-IK250-73	IK250-73	G	15 A	4PST	OFF-NONE-ON	Solder lug terminals	14.51	10.96	10.05
691-IK251-73	IK251-73	G	15 A	4PST	OFF-NONE-ON	.250 QC Tabs	14.51	10.96	10.05
691-IK251-73	IK254-73	G	15 A	4PST	OFF-NONE-ON	Screw terminals	16.11	12.19	11.17
691-IL250-73	IL250-73	G	15 A	4PST	ON-NONE-ON	Solder lug terminals	17.72	13.39	12.28
691-IL251-73	IL251-73	G	15 A	4PST	ON-NONE-ON	.250 QC Tabs	17.72	13.39	12.28
691-IL254-73	IL254-73	G	15 A	4PST	ON-NONE-ON	Screw terminals	21.30	16.11	14.77
691-IM250-73	IM250-73	G	15 A	4PDT	ON-OFF-ON	Solder lug terminals	17.72	13.39	12.28
691-IM251-73	IM251-73	G	15 A	4PDT	ON-OFF-ON	.250 QC Tabs	17.72	13.39	12.28
691-IM254-73	IM254-73	G	15 A	4PDT	ON-OFF-ON	Screw terminals	21.30	16.11	14.77
✱691-DK284-73	DK284-73	H	16 A	DPST	ON-NONE-OFF	Screw terminals	8.42	6.37	5.84
✱691-EK204-73	EK204-73	I	20 A	DPST	ON-NONE-OFF	Screw terminals	13.10	9.90	9.08
691-728-15907	728-15907				Optional Lock Washer		.30	.23	.21

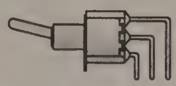
Miniature Toggle Switches

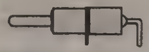
E•SWITCH™ MINIATURE TOGGLE SWITCHES, 100 AND 100A SERIES

Specifications for 100 and 100A Series:
- Contact resistance: 10mΩ max. initial @ 2-4VDC 100mA for both silver and gold plated contacts.
- Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000VRMS @ sea level
- Operating temperature: -30°c to 85°C

Contact Material Options:
- Q - Fixed terminal and moving contact: silver plated over copper alloy
  Contact rating: 5A with resistive load @ 120VAC or 28VDC, 2A with resistive load @ 250VAC
- R - Fixed terminal and moving contact: copper alloy with gold plate over nickel plate
  Contact rating: 0.4VA max. @ 20V max. (AC or DC)

A


B


C


( ) = Momentary

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Options			Contact Material Options	Price Each			
					Actuator	Bush.	Term.		1	10	50	100
100 Series - Metal Bushing												
612-100-A1421	100SP1T1B4M2QE	A	SPDT	On-On	T1	B4	M2	Q	3.42	3.08	2.62	2.05
612-100-A2111	100SP1T2B1M1QE	A	SPDT	On-On	T2	B1	M1	Q	3.42	3.08	2.62	2.05
612-100-A1112	100SP1T1B1M1RE	A	SPDT	On-On	T1	B1	M1	R	3.72	3.35	2.85	2.23
612-100-A1122	100SP1T1B1M2RE	A	SPDT	On-On	T1	B1	M2	R	3.81	3.43	2.92	2.29
612-100-A2472	100SP1T2B4M7RE	B	SPDT	On-On	T2	B4	M7	R	5.31	4.78	4.07	3.19
612-100-A6461	100SP1T6B12M6RE	C	SPDT	On-On	T6	B12	M6	R	6.21	5.59	4.76	3.73
612-100-A1482	100SP1T1B4VS2RE	A	SPDT	On-On	T1	B4	VS2	R	4.98	4.48	3.82	2.99
612-100-C1112	100SP3T1B1M1RE	A	SPDT	On-Off-On	T1	B1	M1	R	4.14	3.73	3.17	2.48
612-100-C1462	100SP3T1B4M6RE	C	SPDT	On-Off-On	T1	B4	M6	R	5.37	4.83	4.12	3.22
612-100-D1111	100SP4T1B1M1QE	A	SPDT	(On)-Off-(On)	T1	B1	M1	Q	4.35	3.92	3.34	2.61
612-100-D1121	100SP4T1B1M2QE	A	SPDT	(On)-Off-(On)	T1	B1	M2	Q	4.47	4.02	3.43	2.68
612-100-D6121	100SP4T6B11M2QE	A	SPDT	(On)-Off-(On)	T6	B11	M2	Q	5.61	5.05	4.30	3.37
612-100-E1111	100SP5T1B1M1QE	A	SPDT	On-Off-(On)	T1	B1	M1	Q	4.62	4.16	3.54	2.77
612-100-E2462	100SP5T2B4M6RE	C	SPDT	On-Off-(On)	T2	B4	M6	R	6.15	5.54	4.72	3.69
612-100-L1111	100DP6T1B1M1QE	A	DPDT	On-On-On	T1	B1	M1	Q	6.87	6.18	5.27	4.12
612-100-F1111	100DP1T1B1M1QE	A	DPDT	On-On	T1	B11	M1	Q	4.56	4.10	3.50	2.74
612-100-F1112	100DP1T1B1M1RE	A	DPDT	On-On	T1	B11	M1	R	5.04	4.54	3.86	3.02
612-100-F1122	100DP1T1B1M2RE	A	DPDT	On-On	T1	B1	M2	R	5.04	4.54	3.86	3.02
100A Series - Sealed (Plastic Bushing)												
612-100A-A1422	100AWSP1T1B4M2R	A	SPDT	On-On	T1	B4	M2	R	4.56	4.10	3.50	2.74
612-100A-A2462	100AWSP1T2B4M6R	C	SPDT	On-On	T2	B4	M6	R	6.12	5.51	4.69	3.67
612-100A-C1422	100AWSP3T1B4M2R	A	SPDT	On-Off-On	T1	B4	M2	R	4.98	4.48	3.82	2.99
612-100A-C2472	100AWSP3T2B4M7R	B	SPDT	On-Off-On	T2	B4	M7	R	6.93	6.24	5.31	4.16
612-100A-D1422	100AWSP4T1B4M2R	A	SPDT	(On)-Off-(On)	T1	B4	M2	R	5.61	5.05	4.30	3.37
612-100A-D2412	100AWSP4T2B4M1R	A	SPDT	(On)-Off-(On)	T2	B4	M1	R	5.61	5.05	4.30	3.37
612-100A-D2462	100AWSP4T2B4M6R	C	SPDT	(On)-Off-(On)	T2	B4	M6	R	7.14	6.43	5.47	4.28
612-100A-D2472	100AWSP4T2B4M7R	B	SPDT	(On)-Off-(On)	T2	B4	M7	R	7.53	6.78	5.77	4.52

E•SWITCH™ SUB-MINIATURE TOGGLE SWITCHES, 200 AND 200A SERIES

Specifications for 200 and 200A Series:
- Contact resistance: 20mΩ max. initial @ 2-4VDC 100mA for both silver and gold plated contacts.
- Insulation resistance: 1,000MΩ min.
- Dielectric strength: 1,000VRMS @ sea level
- Operating temperature: -30°c to 85°C

Contact Material Options:
- Q - Fixed terminal and moving contact: silver plated over copper alloy
  Contact rating: 5A with resistive load @ 120VAC or 28VDC, 2A with resistive load @ 250VAC
- R - Fixed terminal and moving contact: copper alloy with gold plate over nickel plate
  Contact rating: 0.4VA max. @ 20V max. (AC or DC)

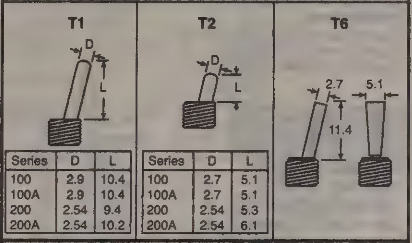
( ) = Momentary

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Options			Contact Material Options	Price Each			
					Actuator	Bush.	Term.		1	10	50	100
200 Series												
612-200-A1111	200MSP1T1B1M1QE	A	SPDT	On-On	T1	B1	M1	Q	3.45	3.11	2.65	2.07
612-200-A1121	200MSP1T1B1M2QE	A	SPDT	On-On	T1	B1	M2	Q	3.45	3.11	2.65	2.07
612-200-A2272	200MSP1T2B2M7RE	B	SPDT	On-On	T2	B2	M7	R	5.52	4.97	4.23	3.31
612-200-C1111	200MSP3T1B1M1QE	A	SPDT	On-Off-On	T1	B1	M1	Q	4.65	4.19	3.57	2.79
612-200-C1121	200MSP3T1B1M2QE	A	SPDT	On-Off-On	T1	B1	M2	Q	4.65	4.19	3.57	2.79
612-200-C2262	200MSP3T2B2M6RE	C	SPDT	On-Off-On	T2	B2	M6	R	6.21	5.59	4.76	3.73
200A Series-Sealed												
612-200A-A2182	200AWMSP1T2A1VS2R	A	SPDT	On-On	T2	A1	VS2	R	4.56	4.10	3.50	2.74
612-200A-A2162	200AWMSP1T2A1M6R	C	SPDT	On-On	T2	A1	M6	R	4.56	4.10	3.50	2.74

DIMENSIONS: mm

Actuator Options



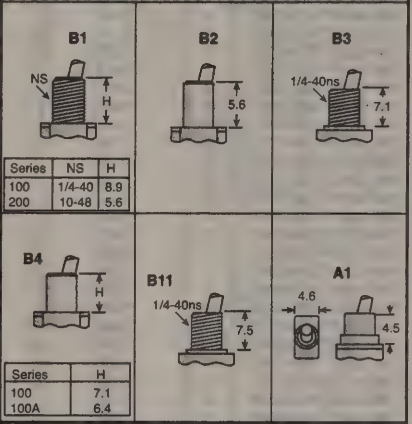
T1

Series	D	L
100	2.9	10.4
100A	2.9	10.4
200	2.54	9.4
200A	2.54	10.2

T2

Series	D	L
100	2.7	5.1
100A	2.7	5.1
200	2.54	5.3
200A	2.54	6.1

Bushing Options



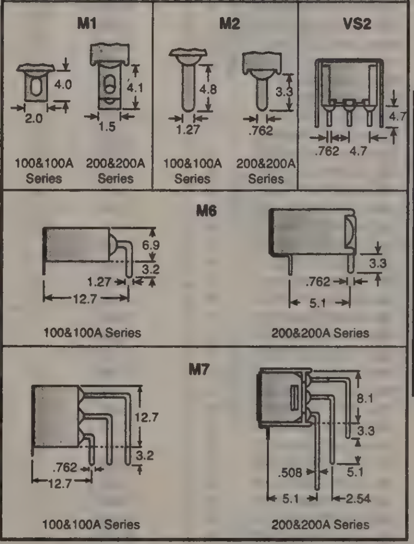
B1

Series	NS	H
100	1/4-40	8.9
200	10-48	5.6

B4

Series	H
100	7.1
100A	6.4

Termination Options



ELECTROSWITCH MINIATURE TOGGLE SWITCHES

( )Momentary

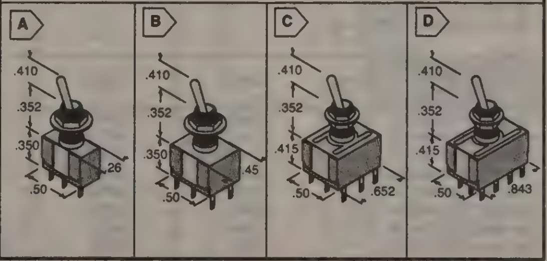
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Type	Circuit	Price Each			
					1	25	50	100
690-A121S1YZQ	A121S1YZQ	A	SPDT	On-Off-On	6.21	5.87	5.18	4.52
690-A123S1YZQ	A123S1YZQ	A	SPDT	On-None-On	5.67	5.36	4.73	4.13
690-A126S1YZQ	A126S1YZQ	A	SPDT	On-None-(On)	6.21	5.87	5.18	4.52
690-A127S1YZQ	A127S1YZQ	A	SPDT	(On)-Off-(On)	6.21	5.87	5.18	4.52
690-A131S1YZQ	A131S1YZQ	A	SPDT	On-Off-(On)	6.21	5.87	5.18	4.52
690-A221S1YZQ	A221S1YZQ	B	DPDT	On-Off-On	8.81	8.32	7.35	6.42
690-A223S1YZQ	A223S1YZQ	B	DPDT	On-None-On	7.64	7.22	6.37	5.56
690-A226S1YZQ	A226S1YZQ	B	DPDT	On-None-(On)	8.81	8.32	7.35	6.42
690-A227S1YZQ	A227S1YZQ	B	DPDT	(On)-Off-(On)	8.81	8.32	7.35	6.42
690-A232S1YZQ	A232S1YZQ	B	DPDT	On-On-On	9.53	9.00	7.94	6.94
690-A321S1YZQ	A321S1YZQ	C	3PDT	On-Off-On	14.21	13.42	11.84	10.34
690-A323S1YZQ	A323S1YZQ	C	3PDT	On-None-On	13.13	12.40	10.94	9.55
690-A327S1YZQ	A327S1YZQ	C	3PDT	(On)-Off-(On)	17.17	16.22	14.31	12.50
690-A421S1YZQ	A421S1YZQ	D	4PDT	On-Off-On	19.15	18.08	15.96	13.93
690-A423S1YZQ	A423S1YZQ	D	4PDT	On-None-On	17.89	16.90	14.91	13.02

Materials:
- Base (body): 1- and 2-pole - Diallyl Phthalate (DAP)
  3- and 4-pole - high strength phenolic
- Bushing: Brass, nickel plated
- Switching Contacts: Coin silver
- Center Terminal: Silver plated brass

Power Rating:
- 6A @ 125 VAC
- 3A @ 250 VAC

DIMENSIONS: in.



MOUNTAIN SWITCH Toggle Switches

SEALED MINIATURE TOGGLE SWITCHES

Specifications:
- Rating: 2A/250, 5A/120VAC or 28VDC
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (In.)	Type	Circuit	Price Each				
					1	10	100	500	1000
108-1AS1T1171-EVX	A	0.26	SPDT	ON-ON	2.67	2.22	2.02	1.84	1.56
108-1AS2T1172-EVX	A	0.26	SPDT	ON-(ON)	2.90	2.42	2.20	2.00	1.69
108-1AS3T1173-EVX	A	0.26	SPDT	ON-OFF-ON	3.59	2.99	2.72	2.48	2.10
108-1AS5T1174-EVX	A	0.26	SPDT	ON-OFF-(ON)	3.66	3.05	2.77	2.52	2.13
108-1AD1T1175-EVX	A	0.45	DPDT	ON-ON	3.66	3.05	2.77	2.52	2.13
108-1AD2T1176-EVX	A	0.45	DPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-1AD3T1177-EVX	A	0.45	DPDT	ON-OFF-ON	4.12	3.44	3.12	2.84	2.40
108-1AD4T1178-EVX	A	0.45	DPDT	(ON)-OFF-(ON)	4.36	3.63	3.31	3.08	2.83
108-1AD5T1179-EVX	A	0.45	DPDT	ON-OFF-(ON)	5.57	4.64	4.22	3.84	3.25
108-1A31T1280-EVX	B	0.642	3PDT	ON-ON	5.57	4.64	4.22	3.84	3.25
108-1A32T1281-EVX	B	0.642	3PDT	ON-(ON)	6.33	5.28	4.80	4.36	3.69
108-1A33T1282-EVX	B	0.642	3PDT	ON-OFF-ON	6.33	5.28	4.80	4.36	3.69
108-1A34T1283-EVX	B	0.642	3PDT	(ON)-OFF-(ON)	6.69	5.58	5.07	4.61	3.90
108-1AS1T2184-EVX	C	0.26	SPDT	ON-ON	2.67	2.22	2.02	1.84	1.56
108-1AS2T2185-EVX	C	0.26	SPDT	ON-(ON)	2.90	2.42	2.20	2.00	1.69
108-1AS3T2186-EVX	C	0.26	SPDT	ON-OFF-ON	3.59	2.99	2.72	2.48	2.10
108-1AS5T2187-EVX	C	0.26	SPDT	ON-OFF-(ON)	3.66	3.05	2.77	2.52	2.13
108-1AD1T2188-EVX	C	0.45	DPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-1AD2T2189-EVX	C	0.45	DPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-1AD3T2190-EVX	C	0.45	DPDT	ON-OFF-ON	4.12	3.44	3.12	2.84	2.40
108-1AD4T2191-EVX	C	0.45	DPDT	(ON)-OFF-(ON)	4.36	3.63	3.31	3.08	2.83
108-1AD5T2192-EVX	C	0.45	DPDT	ON-OFF-(ON)	5.57	4.64	4.22	3.84	3.25
108-1AS1T1693-EVX	D	0.26	SPDT	ON-ON	2.90	2.42	2.20	2.00	1.69
108-1AS2T1694-EVX	D	0.26	SPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-1AS3T1695-EVX	D	0.26	SPDT	ON-OFF-ON	3.59	2.99	2.72	2.48	2.10
108-1AS5T1696-EVX	D	0.26	SPDT	ON-OFF-(ON)	3.89	3.24	2.95	2.68	2.27
108-1AD1T1697-EVX	D	0.45	DPDT	ON-ON	4.12	3.44	3.12	2.84	2.40
108-1AD2T1698-EVX	D	0.45	DPDT	ON-(ON)	3.89	3.24	2.95	2.68	2.27
108-1AD3T1699-EVX	D	0.45	DPDT	ON-OFF-ON	4.12	3.44	3.12	2.84	2.40
108-1AD4T1600-EVX	D	0.45	DPDT	(ON)-OFF-(ON)	4.36	3.63	3.31	3.08	2.83
108-1AD5T1601-EVX	D	0.45	DPDT	ON-OFF-(ON)	4.36	3.63	3.31	3.08	2.83
108-1A31T1602-EVX	D	0.646	3PDT	ON-ON	6.33	5.28	4.80	4.36	3.69
108-1A32T1603-EVX	D	0.646	3PDT	ON-(ON)	6.33	5.28	4.80	4.36	3.69
108-1A33T1604-EVX	D	0.646	3PDT	ON-OFF-ON	6.69	5.58	5.07	4.61	3.90
108-1A34T1605-EVX	D	0.646	3PDT	(ON)-OFF-(ON)	6.69	5.58	5.07	4.61	3.90
108-1AS1T1706-EVX	E	0.26	SPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-1AS2T1707-EVX	E	0.26	SPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-1AS3T1708-EVX	E	0.26	SPDT	ON-OFF-ON	3.66	3.05	2.77	2.52	2.13
108-1AS5T1709-EVX	E	0.26	SPDT	ON-OFF-(ON)	4.12	3.44	3.12	2.84	2.40
108-1AD1T1710-EVX	E	0.45	DPDT	ON-ON	4.12	3.44	3.12	2.84	2.40
108-1AD2T1711-EVX	E	0.45	DPDT	ON-(ON)	4.12	3.44	3.12	2.84	2.40
108-1AD3T1712-EVX	E	0.45	DPDT	ON-OFF-ON	4.36	3.63	3.31	3.08	2.83
108-1AD4T1713-EVX	E	0.45	DPDT	(ON)-OFF-(ON)	4.36	3.63	3.31	3.08	2.83
108-1AD5T1714-EVX	E	0.45	DPDT	ON-OFF-(ON)	4.36	3.63	3.31	3.08	2.83
108-1A31T2715-EVX	F	0.646	3PDT	ON-ON	6.33	5.28	4.80	4.36	3.69
108-1A32T2716-EVX	F	0.646	3PDT	ON-(ON)	6.33	5.28	4.80	4.36	3.69
108-1A33T2717-EVX	F	0.646	3PDT	ON-OFF-ON	6.69	5.58	5.07	4.61	3.90
108-1A34T2718-EVX	F	0.646	3PDT	(ON)-OFF-(ON)	6.69	5.58	5.07	4.61	3.90
108-1AS1T2219-EVX	G	0.26	SPDT	ON-ON	2.90	2.42	2.20	2.00	1.69
108-1AS2T2220-EVX	G	0.26	SPDT	ON-(ON)	2.90	2.42	2.20	2.00	1.69
108-1AS3T2221-EVX	G	0.26	SPDT	ON-OFF-ON	3.59	2.99	2.72	2.48	2.10
108-1AS5T2222-EVX	G	0.26	SPDT	ON-OFF-(ON)	3.66	3.05	2.77	2.52	2.13
108-1AD1T2223-EVX	G	0.45	DPDT	ON-ON	3.66	3.05	2.77	2.52	2.13
108-1AD2T2224-EVX	G	0.45	DPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-1AD3T2225-EVX	G	0.45	DPDT	ON-OFF-ON	4.12	3.44	3.12	2.84	2.40
108-1AD4T2226-EVX	G	0.45	DPDT	(ON)-OFF-(ON)	4.36	3.63	3.31	3.08	2.83
108-1AD5T2227-EVX	G	0.45	DPDT	ON-OFF-(ON)	5.57	4.64	4.22	3.84	3.25
108-1A31T2228-EVX	G	0.642	3PDT	ON-ON	5.57	4.64	4.22	3.84	3.25
108-1A32T2229-EVX	G	0.642	3PDT	ON-(ON)	6.33	5.28	4.80	4.36	3.69
108-1A33T2230-EVX	G	0.642	3PDT	ON-OFF-ON	6.33	5.28	4.80	4.36	3.69
108-1A34T2231-EVX	G	0.642	3PDT	(ON)-OFF-(ON)	6.69	5.58	5.07	4.61	3.90

SEALED SUB-MINIATURE TOGGLE SWITCHES (SURFACE MOUNT)

Specifications:
- Rating: 0.4VA/20VAC or DC
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

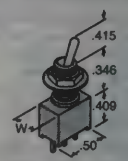
RoHS Compliant

For quantities of 2000 and up, call for quote.

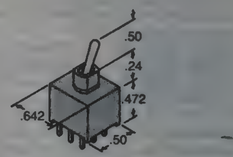
MOUSER STOCK NO.	Fig.	Width	Type	Circuit	Price Each				
					1	10	100	500	1000
108-2BS1T1T45-EVX	H	0.244	SPDT	ON-ON	2.80	2.34	2.12	1.93	1.76
108-2BS2T1T46-EVX	H	0.244	SPDT	ON-(ON)	3.20	2.67	2.43	2.21	1.87
108-2BS3T1T47-EVX	H	0.244	SPDT	ON-OFF-ON	3.60	3.00	2.73	2.49	2.11
108-2BS4T1T48-EVX	H	0.244	SPDT	(ON)-OFF-(ON)	4.01	3.35	3.04	2.77	2.55
108-2BS1T2Z49-EVX	I	0.234	SPDT	ON-ON	2.80	2.34	2.12	1.93	1.76
108-2BS2T2Z50-EVX	I	0.234	SPDT	ON-(ON)	3.20	2.67	2.43	2.21	1.87
108-2BS3T2Z51-EVX	I	0.234	SPDT	ON-OFF-ON	3.60	3.00	2.73	2.49	2.11
108-2BS4T2Z52-EVX	I	0.234	SPDT	(ON)-OFF-(ON)	4.01	3.35	3.04	2.77	2.55

DIMENSIONS: in.

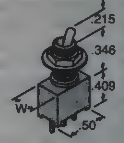
A



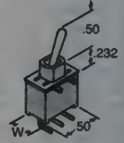
B



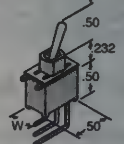
C



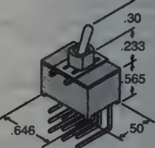
D



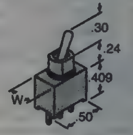
E



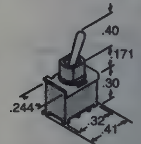
F



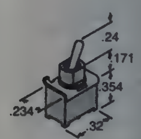
G



H



I



MOUNTAIN SWITCH Toggle Switches

Mountain Switch

SEALED SUB-MINIATURE TOGGLE SWITCHES

Specifications:
- Rating: 1A/250, 3A/120VAC or 28VDC
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (In.)	Type	Circuit	Price Each				
					1	10	100	500	1000
108-2AS1T1203-EVX	A	0.20	SPDT	ON-ON	2.67	2.22	2.02	1.84	1.56
108-2AS2T1204-EVX	A	0.20	SPDT	ON-(ON)	2.90	2.42	2.20	2.00	1.69
108-2AS3T1205-EVX	A	0.20	SPDT	ON-OFF-ON	3.59	2.99	2.72	2.48	2.10
108-2AD1T1206-EVX	A	0.36	DPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-2AD2T1207-EVX	A	0.36	DPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-2AD3T1208-EVX	A	0.36	DPDT	ON-OFF-ON	4.12	3.44	3.12	2.84	2.40
108-2AS1T1609-EVX	B	0.249	SPDT	ON-ON	2.90	2.42	2.20	2.00	1.69
108-2AS2T1610-EVX	B	0.249	SPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-2AS3T1611-EVX	B	0.249	SPDT	ON-OFF-ON	3.89	3.24	2.95	2.68	2.27
108-2AD1T1612-EVX	B	0.40	DPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-2AD2T1613-EVX	B	0.40	DPDT	ON-(ON)	3.66	3.05	2.77	2.52	2.13
108-2AD3T4214-EVX	B	0.40	DPDT	ON-OFF-ON	4.36	3.63	3.31	3.08	2.83
108-2AS1T1715-EVX	C	0.232	SPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-2AS2T1716-EVX	C	0.232	SPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-2AS3T1717-EVX	C	0.232	SPDT	ON-OFF-ON	4.12	3.44	3.12	2.84	2.40
108-2AD1T1718-EVX	C	0.398	DPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-2AD2T1719-EVX	C	0.398	DPDT	ON-(ON)	3.89	3.24	2.95	2.68	2.27
108-2AD3T1720-EVX	C	0.398	DPDT	ON-OFF-ON	4.36	3.63	3.31	3.08	2.83
108-2AS1T2221-EVX	D	0.20	SPDT	ON-ON	2.67	2.22	2.02	1.84	1.56
108-2AS2T2222-EVX	D	0.20	SPDT	ON-(ON)	2.90	2.42	2.20	2.00	1.69
108-2AS3T2223-EVX	D	0.20	SPDT	ON-OFF-ON	3.59	2.99	2.72	2.48	2.10
108-2AD1T2224-EVX	D	0.36	DPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-2AD2T2225-EVX	D	0.36	DPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-2AD3T2226-EVX	D	0.36	DPDT	ON-OFF-ON	4.36	3.63	3.31	3.08	2.83
108-2AS1T2627-EVX	E	0.249	SPDT	ON-ON	2.90	2.42	2.20	2.00	1.69
108-2AS2T2628-EVX	E	0.249	SPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-2AS3T2629-EVX	E	0.249	SPDT	ON-OFF-ON	3.89	3.24	2.95	2.68	2.27
108-2AD1T2630-EVX	E	0.40	DPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-2AD2T2631-EVX	E	0.40	DPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-2AD3T2632-EVX	E	0.40	DPDT	ON-OFF-ON	4.36	3.63	3.31	3.08	2.83
108-2AS1T3233-EVX	F	0.20	SPDT	ON-ON	2.90	2.42	2.20	2.00	1.69
108-2AS2T3234-EVX	F	0.20	SPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-2AS3T3235-EVX	F	0.20	SPDT	ON-OFF-ON	3.66	3.05	2.77	2.52	2.13
108-2AD1T3236-EVX	F	0.36	DPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-2AD2T3237-EVX	F	0.36	DPDT	ON-(ON)	3.66	3.05	2.77	2.52	2.13
108-2AD3T3238-EVX	F	0.36	DPDT	ON-OFF-ON	4.36	3.63	3.31	3.08	2.83
108-2AS1T3639-EVX	G	0.249	SPDT	ON-ON	3.59	2.99	2.72	2.48	2.10
108-2AS2T3640-EVX	G	0.249	SPDT	ON-(ON)	3.59	2.99	2.72	2.48	2.10
108-2AS3T3641-EVX	G	0.249	SPDT	ON-OFF-ON	4.12	3.44	3.12	2.84	2.40
108-2AD1T3642-EVX	G	0.40	DPDT	ON-ON	3.66	3.05	2.77	2.52	2.13
108-2AD2T3643-EVX	G	0.40	DPDT	ON-(ON)	3.89	3.24	2.95	2.68	2.27
108-2AD3T3644-EVX	G	0.40	DPDT	ON-OFF-ON	4.36	3.63	3.31	3.08	2.83

SEALED ULTRA-MINIATURE TOGGLE SWITCHES

Specifications:
- Rating: 0.4VA/20VAC or DC
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

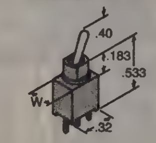
RoHS Compliant

For quantities of 2000 and up, call for quote.

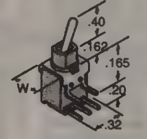
MOUSER STOCK NO.	Fig.	Width	Type	Circuit	Price Each				
					1	10	100	500	1000
108-2US1T1253-EV	H	0.178	SPDT	ON-ON	2.91	2.43	2.21	2.01	1.70
108-2US2T1254-EV	H	0.178	SPDT	ON-(ON)	3.09	2.58	2.34	2.13	1.80
108-2US3T1255-EV	H	0.178	SPDT	ON-OFF-ON	3.79	3.16	2.87	2.61	2.21
108-2UD1T1256-EV	H	0.178	DPDT	ON-ON	3.27	2.72	2.48	2.25	1.90
108-2UD2T1257-EV	H	0.178	DPDT	ON-(ON)	3.79	3.16	2.87	2.61	2.21
108-2UD3T1258-EV	H	0.178	DPDT	ON-OFF-ON	4.62	3.85	3.50	3.22	2.96
108-2US1T1659-EV	I	0.193	SPDT	ON-ON	3.09	2.58	2.34	2.13	1.80
108-2US2T1660-EV	I	0.193	SPDT	ON-(ON)	3.27	2.72	2.48	2.25	1.90
108-2US3T1661-EV	I	0.193	SPDT	ON-OFF-ON	3.79	3.16	2.87	2.61	2.21
108-2UD1T1662-EV	I	0.193	DPDT	ON-ON	3.79	3.16	2.87	2.61	2.21
108-2UD2T1663-EV	I	0.193	DPDT	ON-(ON)	3.79	3.16	2.87	2.61	2.21
108-2UD3T1664-EV	I	0.193	DPDT	ON-OFF-ON	4.62	3.85	3.50	3.22	2.96
108-2US1T1765-EV	J	0.209	SPDT	ON-ON	3.09	2.58	2.34	2.13	1.80
108-2US2T1766-EV	J	0.209	SPDT	ON-(ON)	3.79	3.16	2.87	2.61	2.21
108-2US3T1767-EV	J	0.209	SPDT	ON-OFF-ON	3.79	3.16	2.87	2.61	2.21
108-2UD1T1768-EV	J	0.209	DPDT	ON-ON	3.79	3.16	2.87	2.61	2.21
108-2UD2T1769-EV	J	0.209	DPDT	ON-(ON)	3.79	3.16	2.87	2.61	2.21
108-2UD3T1770-EV	J	0.209	DPDT	ON-OFF-ON	4.62	3.85	3.50	3.22	2.96

DIMENSIONS: In.

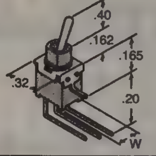
A



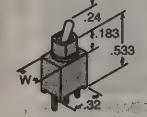
B



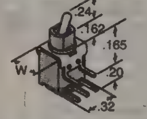
C



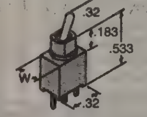
D



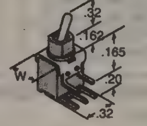
E



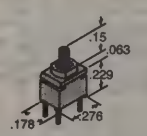
F



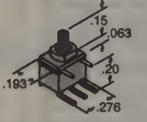
G



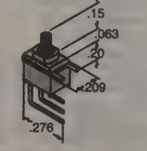
H



I



J



MOUNTAIN SWITCH Toggle Switches

MINIATURE TOGGLE SWITCHES

For quantities 1000 and up, call for quote.

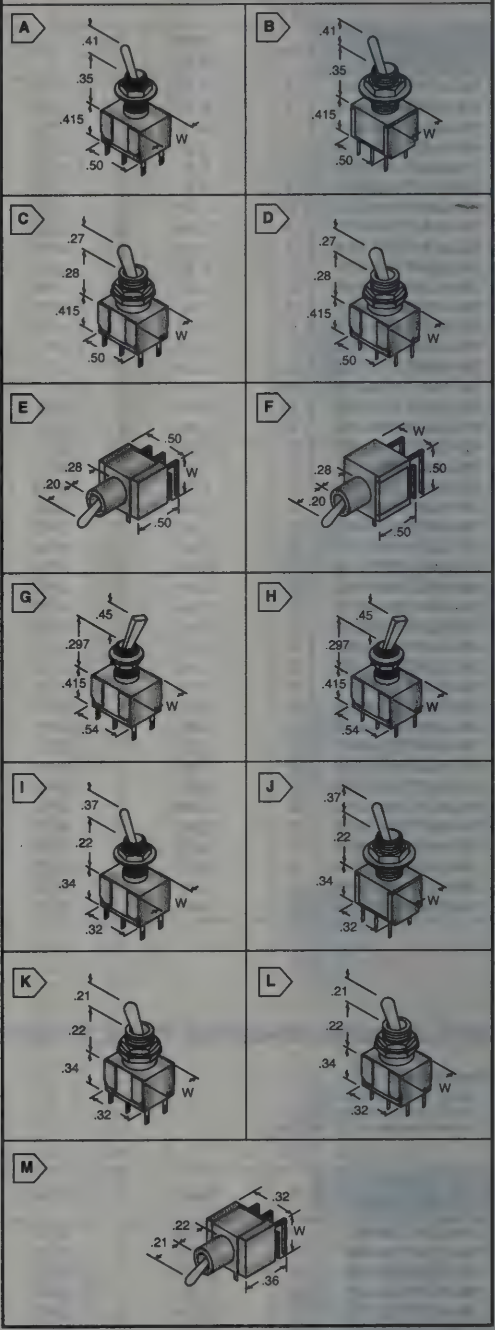
MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each			
					1	10	100	500
0.41" Toggle, 0.35" Threaded Bushing, Solder Lug Terminals								
108-1MS1T1B1M1QE-EVX	A	0.27	SPDT	On-On	1.90	1.33	1.24	1.20
108-1MS2T1B1M1QE-EVX	A	0.27	SPDT	On-(On)	2.05	1.43	1.33	1.29
108-1MS3T1B1M1QE-EVX	A	0.27	SPDT	On-Off-On	2.14	1.50	1.39	1.35
108-1MD1T1B1M1QE-EVX	A	0.45	DPDT	On-On	2.55	1.79	1.66	1.60
108-1MD2T1B1M1QE-EVX	A	0.45	DPDT	On-(On)	2.69	1.88	1.75	1.69
108-1MD3T1B1M1QE-EVX	A	0.45	DPDT	On-Off-On	2.98	2.08	1.94	1.87
108-1M31T1B1M1QE-EVX	A	0.65	3PDT	On-On	4.32	3.02	2.81	2.39
108-1M41T1B1M1QE-EVX	A	0.85	4PDT	On-On	6.74	4.72	4.38	3.66
0.41" Toggle, 0.35" Threaded Bushing, PC Mount Terminals								
108-1MS1T1B1M2QE-EVX	B	0.27	SPDT	On-On	1.90	1.33	1.24	1.20
108-1MS2T1B1M2QE-EVX	B	0.27	SPDT	On-(On)	2.05	1.43	1.33	1.29
108-1MS3T1B1M2QE-EVX	B	0.27	SPDT	On-Off-On	2.14	1.50	1.39	1.35
108-1MD1T1B1M2QE-EVX	B	0.45	DPDT	On-On	2.55	1.79	1.66	1.60
108-1MD2T1B1M2QE-EVX	B	0.45	DPDT	On-(On)	2.69	1.88	1.75	1.69
108-1MD3T1B1M2QE-EVX	B	0.45	DPDT	On-Off-On	2.98	2.08	1.94	1.87
108-1M31T1B1M2QE-EVX	B	0.65	3PDT	On-On	4.32	3.02	2.81	2.39
108-1M41T1B1M2QE-EVX	B	0.85	4PDT	On-On	6.74	4.72	4.38	3.66
0.27" Toggle, 0.28" Threaded Bushing, Solder Lug Terminals								
108-1MS1T2B3M1QE-EVX	C	0.27	SPDT	On-On	1.90	1.33	1.24	1.20
108-1MS2T2B3M1QE-EVX	C	0.27	SPDT	On-(On)	2.05	1.43	1.33	1.29
108-1MS3T2B3M1QE-EVX	C	0.27	SPDT	On-Off-On	2.14	1.50	1.39	1.35
108-1MD1T2B3M1QE-EVX	C	0.45	DPDT	On-On	2.55	1.79	1.66	1.60
108-1MD2T2B3M1QE-EVX	C	0.45	DPDT	On-(On)	2.69	1.88	1.75	1.69
108-1MD3T2B3M1QE-EVX	C	0.45	DPDT	On-Off-On	2.98	2.08	1.94	1.87
0.27" Toggle, 0.28" Threaded Bushing, PC Mount Terminals								
108-1MS1T2B3M2QE-EVX	D	0.27	SPDT	On-On	1.90	1.33	1.24	1.20
108-1MS2T2B3M2QE-EVX	D	0.27	SPDT	On-(On)	2.05	1.43	1.33	1.29
108-1MS3T2B3M2QE-EVX	D	0.27	SPDT	On-Off-On	2.14	1.50	1.39	1.35
108-1MD1T2B3M2QE-EVX	D	0.45	DPDT	On-On	2.55	1.79	1.66	1.60
108-1MD2T2B3M2QE-EVX	D	0.45	DPDT	On-(On)	2.69	1.88	1.75	1.69
108-1MD3T2B3M2QE-EVX	D	0.45	DPDT	On-Off-On	2.98	2.08	1.94	1.87
0.20" Horizontal Toggle, 0.28" Non-Threaded Bushing, Right Angle PC Mount Terminals								
108-1MS1T2B4M6QE-EVX	E	0.27	SPDT	On-On	2.75	1.93	1.79	1.63
108-1MS2T2B4M6QE-EVX	E	0.27	SPDT	On-(On)	2.91	2.03	1.89	1.72
108-1MS3T2B4M6QE-EVX	E	0.27	SPDT	On-Off-On	3.01	2.11	1.96	1.78
108-1MD1T2B4M6QE-EVX	E	0.45	DPDT	On-On	3.44	2.41	2.23	2.04
108-1MD2T2B4M6QE-EVX	E	0.45	DPDT	On-(On)	3.59	2.51	2.33	2.13
108-1MD3T2B4M6QE-EVX.	E	0.45	DPDT	On-Off-On	3.89	2.72	2.53	2.30
0.20" Vertical Toggle, 0.28" Non-Threaded Bushing, Right Angle PC Mount Terminals								
108-1MS1T2B4M7QE-EVX	F	0.27	SPDT	On-On	2.96	2.07	1.93	1.75
108-1MS2T2B4M7QE-EVX	F	0.27	SPDT	On-(On)	3.12	2.18	2.03	1.84
108-1MS3T2B4M7QE-EVX	F	0.27	SPDT	On-Off-On	3.22	2.25	2.09	1.90
108-1MD1T2B4M7QE-EVX	F	0.45	DPDT	On-On	3.65	2.55	2.37	2.16
108-1MD2T2B4M7QE-EVX	F	0.45	DPDT	On-(On)	3.80	2.66	2.47	2.25
108-1MD3T2B4M7QE-EVX	F	0.45	DPDT	On-Off-On	4.10	2.87	2.67	2.43
0.45" Flat Toggle, 0.297" Threaded Bushing, Solder Lug Terminals								
108-1MS1T6B1M1QE-EVX	G	0.27	SPDT	On-On	2.62	1.83	1.70	1.63
108-1MS2T6B1M1QE-EVX	G	0.27	SPDT	On-(On)	2.76	1.93	1.80	1.72
108-1MS3T6B1M1QE-EVX	G	0.27	SPDT	On-Off-On	2.86	2.00	1.86	1.78
108-1MD1T6B1M1QE-EVX	G	0.45	DPDT	On-On	3.26	2.28	2.12	2.04
108-1MD2T6B1M1QE-EVX	G	0.45	DPDT	On-(On)	3.41	2.39	2.22	2.13
108-1MD3T6B1M1QE-EVX	G	0.45	DPDT	On-Off-On	3.89	2.72	2.53	2.30
108-1MD4T6B1M1QE-EVX	G	0.45	DPDT	(On)-Off-(On)	3.89	2.72	2.53	2.30
0.45" Flat Toggle, 0.297" Threaded Bushing, PC Mount Terminals								
108-1MS1T6B1M2QE-EVX	H	0.27	SPDT	On-On	2.62	1.83	1.70	1.63
108-1MS2T6B1M2QE-EVX	H	0.27	SPDT	On-(On)	2.76	1.93	1.80	1.72
108-1MS3T6B1M2QE-EVX	H	0.27	SPDT	On-Off-On	2.86	2.00	1.86	1.78
108-1MD1T6B1M2QE-EVX	H	0.45	DPDT	On-On	3.26	2.28	2.12	2.04
108-1MD2T6B1M2QE-EVX	H	0.45	DPDT	On-(On)	3.41	2.39	2.22	2.13
108-1MD3T6B1M2QE-EVX	H	0.45	DPDT	On-Off-On	3.70	2.59	2.40	2.31

Specifications:

- Contact Rating: 5A/120VAC or 28VDC; 2A/250VAC
- Contact Resistance: 10mΩ max. initial @ 2-4VDC 100mA
- Insulation Resistance: 1,000MΩ min.
- Dielectric Strength: 1000VRMS @ sea level
- Operation Temperature: -30 °C to +85 °C

RoHS Compliant

DIMENSIONS: In.



SUB-MINIATURE TOGGLE SWITCHES

Specifications:

- Contact Rating: 3A/120VAC or 28VDC; 1A/250VAC
- Contact Resistance: 20mΩ max. initial @ 2-4VDC 100mA
- Insulation Resistance: 1,000MΩ min.
- Dielectric Strength: 1000VRMS @ sea level
- Operation Temperature: -30 °C to +85 °C

RoHS Compliant

For quantities 1000 and up, call for quote.

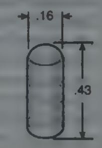
MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each			
					1	10	100	500
0.37" Toggle, 0.22" Bushing, Solder Lug Terminals								
108-2MS1T1B1M1QE-EVX	I	0.20	SPDT	On-On	2.54	2.10	1.77	1.47
108-2MS3T1B1M1QE-EVX	I	0.20	SPDT	On-Off-On	3.41	2.82	2.38	1.97
108-2MD1T1B1M1QE-EVX	I	0.36	DPDT	On-On	3.57	2.95	2.48	2.06
108-2MD3T1B1M1QE-EVX	I	0.36	DPDT	On-Off-On	4.20	3.46	2.92	2.42
0.37" Toggle, 0.22" Bushing, PC Mount Terminals								
108-2MS1T1B1M2QE-EVX	J	0.20	SPDT	On-On	2.54	2.10	1.77	1.47
108-2MS3T1B1M2QE-EVX	J	0.20	SPDT	On-Off-On	3.41	2.82	2.38	1.97
108-2MD1T1B1M2QE-EVX	J	0.36	DPDT	On-On	3.57	2.95	2.48	2.06
108-2MD3T1B1M2QE-EVX	J	0.36	DPDT	On-Off-On	4.20	3.46	2.92	2.42
0.21" Toggle, 0.22" Bushing, Solder Lug Terminals								
108-2MS1T2B3M1QE-EVX	K	0.20	SPDT	On-On	2.54	2.10	1.77	1.47
108-2MS3T2B3M1QE-EVX	K	0.20	SPDT	On-Off-On	3.41	2.82	2.38	1.97
108-2MD1T2B3M1QE-EVX	K	0.36	DPDT	On-On	3.57	2.95	2.48	2.06
108-2MD3T2B3M1QE-EVX	K	0.36	DPDT	On-Off-On	4.20	3.46	2.92	2.42
0.21" Toggle, 0.22" Bushing, PC Mount Terminals								
108-2MS1T2B3M2QE-EVX	L	0.20	SPDT	On-On	2.54	2.10	1.77	1.47
108-2MS3T2B3M2QE-EVX	L	0.20	SPDT	On-Off-On	3.41	2.82	2.38	1.97
108-2MD1T2B3M2QE-EVX	L	0.36	DPDT	On-On	3.57	2.95	2.48	2.06
108-2MD3T2B3M2QE-EVX	L	0.36	DPDT	On-Off-On	4.20	3.46	2.92	2.42
0.21" Horizontal Toggle, 0.22" Bushing, Right Angle PC Mount Terminals								
108-2MS1T2B2M6QE-EVX	M	0.20	SPDT	On-On	3.41	2.82	2.38	1.97
108-2MS3T2B2M6QE-EVX	M	0.20	SPDT	On-Off-On	4.20	3.46	2.92	2.42
108-2MD1T2B2M6QE-EVX	M	0.36	DPDT	On-On	4.52	3.72	3.14	2.61
108-2MD3T2B2M6QE-EVX	M	0.36	DPDT	On-Off-On	5.13	4.22	3.56	2.96

TOGGLE SWITCH CAPS

- Threaded bushing

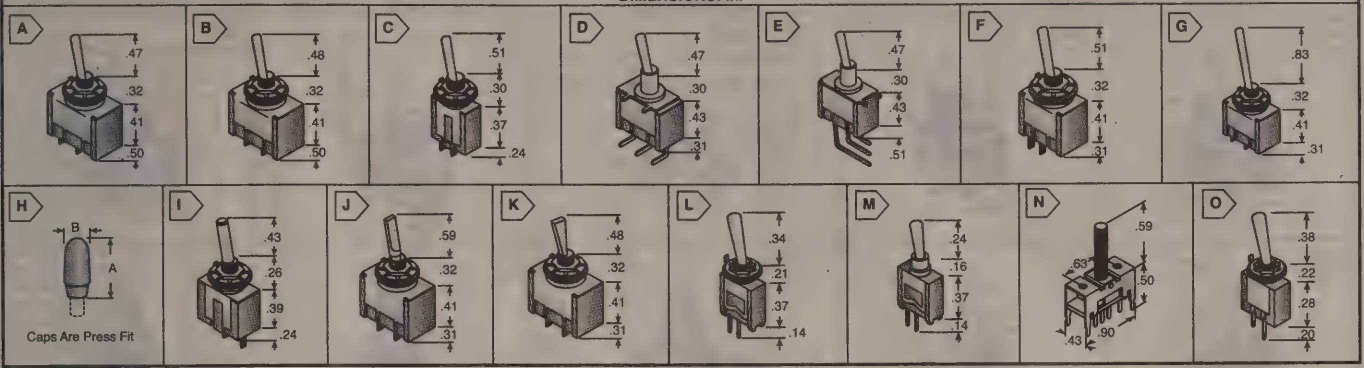
RoHS Compliant

MOUSER STOCK NO.	Color	Price Each		
		1	10	100
108-0032-EV	Red	.17	.15	.13
108-0033-EV	Black	.17	.15	.13
108-0034-EV	White	.17	.15	.13
108-0035-EV	Blue	.17	.15	.13
108-0036-EV	Yellow	.17	.15	.13
108-0037-EV	Green	.17	.15	.13



MOUNTAIN SWITCH Toggle Switches

DIMENSIONS: In.



MINIATURE TOGGLE SWITCHES

Specifications:

- Dielectric Strength: 1000VAC for 1 minute
- Insulation Resistance: 100MΩ min.
- Mechanical Life: over 30,000 operations
- Electrical Life: over 10,000 operations

Standard Lever

- Rating: 3A/125VAC, 1A/250VAC
- Solder Terminals

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each				
				1	10	100	500	1000
108-MS550K	A	SPST	On-Off	2.00	1.94	1.88	1.83	1.61
108-MS550A	A	SPDT	On-On	2.05	1.99	1.93	1.88	1.66
108-MS550C	A	SPDT	On-Off-On	2.33	2.26	2.20	2.13	1.87
108-MS550H	A	DPDT	On-Off-On	2.90	2.81	2.73	2.64	2.09

- Rating: 6A/125VAC, 3A/250VAC
- Solder Terminals

10TC220	B	SPST	On-Off	2.20	2.14	2.08	2.01	1.76
10TC230	B	SPDT	On-On	2.38	2.31	2.24	2.17	1.90
10TC232	B	SPDT	On-(On)	2.48	2.41	2.34	2.26	1.97
10TC235	B	SPDT	On-Off-On	2.59	2.52	2.44	2.36	2.06
10TC240	B	SPDT	On-Off-(On)	2.64	2.56	2.48	2.40	2.09
10TC245	B	SPDT	(On)-Off-(On)	2.64	2.56	2.48	2.40	2.09
10TC260	B	DPDT	On-On	3.08	2.99	2.89	2.80	2.21
10TC262	B	DPDT	On-(On)	3.24	3.13	3.03	2.93	2.30
10TC265	B	DPDT	On-Off-On	3.41	3.31	3.20	3.09	2.42
10TC270	B	DPDT	On-Off-(On)	3.52	3.41	3.30	3.19	2.49
10TC275	B	DPDT	(On)-Off-(On)	3.52	3.41	3.30	3.19	2.49
10TC280	B	3PDT	On-On	3.97	3.85	3.72	3.59	2.79
10TC285	B	3PDT	On-Off-On	4.59	4.43	4.28	4.13	3.19
10TC290	B	4PDT	On-On	4.94	4.78	4.56	4.45	3.52
10TC295	B	4PDT	On-Off-On	5.77	5.58	5.38	5.19	4.08
10TA820	C	SPST	On-Off	2.44	2.37	2.29	2.22	1.94
10TA830	C	SPDT	On-On	2.59	2.51	2.43	2.36	2.06

Standard Lever, Right Angle PC Mount

- Rating: 6A/125VAC, 3A/250VAC
- Gold plated terminals
- Right angle PC Mount

10TF230	D	SPDT	On-On	2.87	2.79	2.70	2.61	2.11
10TF260	D	DPDT	On-On	4.06	3.93	3.80	3.67	2.92
10TF265	D	DPDT	On-Off-On	4.32	4.18	4.04	3.90	3.02
10TF262	D	DPDT	On-(On)	4.57	4.42	4.27	4.12	3.18

Standard Lever, Vertical PC Mount

- Rating: 6A/125VAC, 3A/250VAC
- Gold plated terminals
- Vertical PC Mount

10TF130	E	SPDT	On-On	3.21	3.11	3.01	2.91	2.34
10TF135	E	SPDT	On-Off-On	3.44	3.33	3.23	3.12	2.44
10TF145	E	SPDT	(On)-Off-(On)	3.60	3.49	3.37	3.26	2.61
10TF160	E	DPDT	On-On	4.39	4.25	4.11	3.96	3.15

Hi-Current Standard Lever

- Rating: 10A/125VAC
- Solder Terminals

10TC320	F	SPST	On-Off	2.56	2.49	2.41	2.34	2.04
10TC330	F	SPDT	On-On	2.75	2.66	2.58	2.50	2.03
10TC360	F	DPDT	On-On	3.65	3.54	3.42	3.30	2.64

Long Metal Lever

- Rating: 6A/125VAC, 3A/250VAC
- Solder Terminals

10TA445	G	SPDT	(On)-Off-(On)	2.70	2.61	2.53	2.45	2.13

Decorative Miniature Toggle Lever

- Plastic caps for miniature toggle switches

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimensions (In.)		Price Each				
			A	B	1	10	100	500	1000
10TB001	H	Red	.45	.18	.17	.15	.13	.12	.11
10TB002	H	Black	.45	.18	.17	.15	.13	.12	.11
10TB003	H	White	.45	.18	.17	.15	.13	.12	.11
10TB004	H	Blue	.45	.18	.17	.15	.13	.12	.11
10TB005	H	Yellow	.45	.18	.17	.15	.13	.12	.11
10TB006	H	Green	.45	.18	.17	.15	.13	.12	.11

MINIATURE TOGGLE SWITCHES (CONT.)

Specifications:

- Contact Resistance: 20mΩ max.
- Insulation Resistance: 100MΩ min.
- Dielectric Strength: 1000VAC for 1 minute

Anodized Aluminum Baton Lever

- Rating: 3A/125VAC
- Solder Terminals

For quantities 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each				
				1	10	100	500	1000
10TF605	I	SPST	On-On	2.59	2.51	2.43	2.36	2.06
10TF615	I	DPDT	On-On	3.08	2.99	2.89	2.80	2.21

Black Plastic Flat Lever

- Rating: 6A/125VAC, 3A/250VAC
- Solder Terminals

( ) Momentary

10TA235	J	SPDT	On-Off-On	2.95	2.86	2.77	2.68	2.12
10TA260	J	DPDT	On-On	3.44	3.33	3.23	3.12	2.44
10TA275	J	DPDT	(On)-Off-(On)	3.86	3.73	3.61	3.49	2.72

Metallized Plastic Flat Lever

- Rating: 6A/125VAC, 3A/250VAC
- Solder Terminals

( ) = Momentary

10TA320	K	SPST	On-Off	2.64	2.56	2.48	2.40	1.99
10TA330	K	SPDT	On-Off	2.85	2.76	2.68	2.59	2.10
10TA335	K	SPDT	On-Off-On	3.06	2.96	2.87	2.77	2.24
10TA345	K	SPDT	(On)-Off-(On)	3.12	3.02	2.93	2.83	2.28
10TA360	K	DPDT	On-On	3.54	3.43	3.32	3.21	2.51

SUB-MINIATURE TOGGLE SWITCHES

Specifications:

- Insulation Resistance: 100MΩ @ 500VDC min.
- Dielectric Strength: 1000VAC for 1 minute
- Contact Resistance: 20mΩ @ 2.5VDC, 100mA max.

Low Current Switches

- PC Mount
- Rating: .3A/125VAC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
10TC405	L	SPST	On-Off	2.13	2.06	2.00	1.94
10TC410	L	SPDT	On-On	2.20	2.14	2.08	2.01
10TC415	L	DPDT	On-On	2.57	2.49	2.41	2.34

- PC Mount
- Rating: .3A/30VDC

10TC412	L	SPDT	On-Off-On	2.29	2.22	2.15	2.09
10TC418	L	DPDT	On-Off-On	2.72	2.63	2.55	2.47

- PC Mount
- Rating: .3A/125VAC

10TC605	M	SPST	On-Off	1.90	1.84	1.79	1.74
10TC610	M	SPDT	On-On	1.95	1.89	1.84	1.79
10TC615	M	DPDT	On-On	2.31	2.24	2.17	2.11

Brushed Aluminum Handle

- PC Mount
- Rating: .5A/50VDC

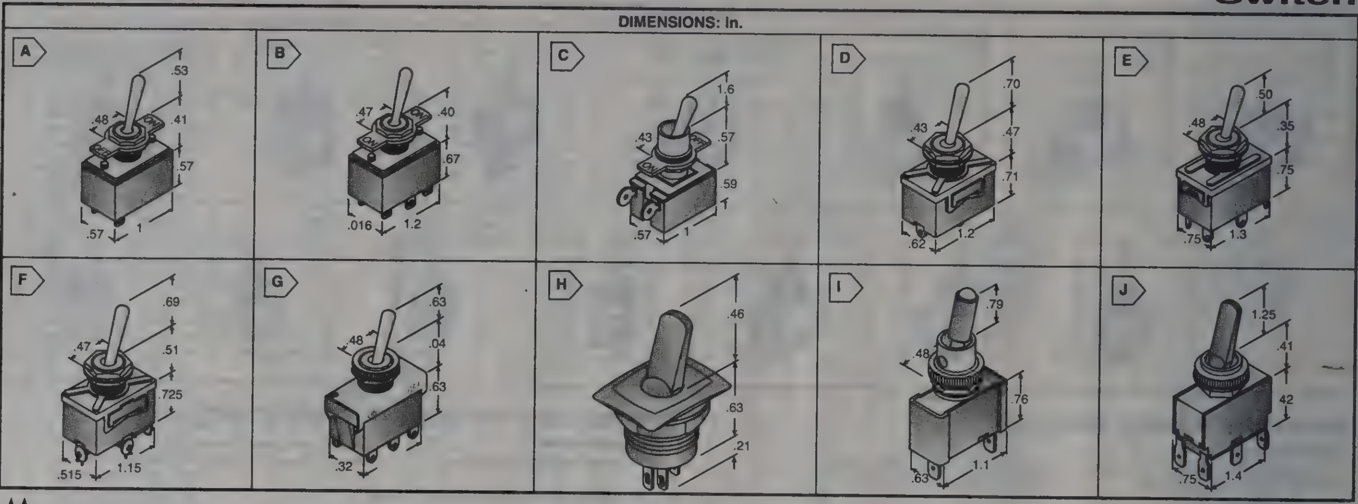
10TS003	N	DP3T	On-On-On	1.11	.92	.84	.71

Standard Lever Switches

- Solder Terminals
- Rating: 3A/125VAC
- Gold plated contacts and terminals

10TA805	O	SPST	On-Off	2.15	2.09	2.03	1.97
10TA810	O	SPDT	On-On	2.24	2.17	2.11	2.04
10TA815	O	DPDT	On-On	2.67	2.59	2.51	2.43

MOUNTAIN SWITCH Toggle Switches



TOGGLE SWITCHES

RoHS Compliant

Standard Duty

- Rating: 3A/125VAC • Insulation Resistance: 100MΩ min.

MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each			
						1	10	100	500
103-0132-EVX	A	SPST	On-Off	1000VAC	50mΩ	2.60	2.17	1.97	1.79
103-0008-EVX	B	DPDT	On-On	1000VAC	50mΩ	4.19	3.47	3.18	2.98

Low Profile

- Rating: 6A/125VAC, 3A/250VAC • Insulation Resistance: 100MΩ min.

103-0009-EVX	C	SPST	On-Off	1000VAC	50mΩ	2.98	2.78	2.33	2.13

Heavy Duty

- Insulation Resistance: 100MΩ min.

15A/125VAC, 10A/250VAC									
103-0010-EVX	D	SPST	On-Off	1500VAC	50mΩ	3.25	2.71	2.46	2.24
103-0011-EVX	D	SPST	On-Off	1500VAC	50mΩ	3.25	2.71	2.46	2.24
103-0012-EVX	E	DPDT	On-On	1500VAC	50mΩ	4.76	3.97	3.61	3.28
103-0013-EVX	E	DPDT	On-On	1500VAC	50mΩ	4.76	3.97	3.61	3.28
10A/125VAC, 6A/250VAC									
103-13293-EVX	F	SPDT	On-Off-On	1500VAC	50mΩ	3.19	2.66	2.42	2.20

Metal Lever

- Rating: 6A/250VAC, 3A/250VAC • Insulation Resistance: 100MΩ min.

103-0014-EVX	G	SPST	On-Off	1500VAC	50mΩ	2.98	2.86	2.27	2.09
103-0015-EVX	G	DPDT	On-On	1500VAC	50mΩ	4.38	4.17	3.59	3.41
103-0016-EVX	G	DPST	On-Off	1500VAC	50mΩ	4.87	4.68	4.16	3.99

Plastic Lever

- Insulation Resistance: 100MΩ min. • Rating: 6A/125VAC

MOUSER STOCK NO.	Fig.	Type	Circuit	Dielectric Strength	Contact Resistance (max.)	Price Each			
						1	10	100	500
103-4023-EV	H	SPDT	On-On	1500VAC	50mΩ	2.19	1.83	1.66	1.52
103-4024-EV	H	DPDT	On-On	1500VAC	50mΩ	2.90	2.61	2.47	2.32
103-4025-EV	H	DPDT	On-(On)	1500VAC	50mΩ	3.18	2.86	2.70	2.54

Illuminated (LED) Toggle Switch

- Contact Resistance: 50mΩ max.

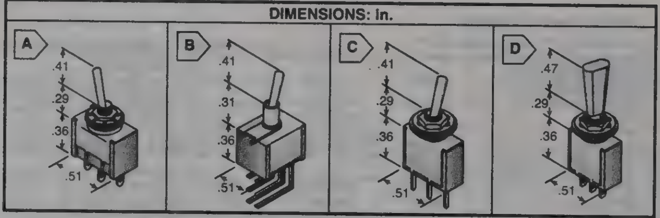
MOUSER STOCK NO.	Fig.	Color	Type	Circuit	Mtg. Hole (In.)	Price Each			
						1	10	100	500
20A/12VDC									
103-0003-EVX	I	Green	SPST	On-Off	0.59	4.36	3.63	3.03	2.51

Illuminated Toggle Switch

- Contact Resistance: 50mΩ max.

MOUSER STOCK NO.	Fig.	Color	Type	Circuit	Mtg. Hole (In.)	Price Each			
						1	10	100	500
30A/12VDC									
103-0006-EVX	J	Red/Green	SPDT	On-On	0.472	9.25	8.85	7.62	6.49

MINIATURE TOGGLE SWITCHES



Specifications:

- Contact Resistance: 20mΩ max.
- Insulation Resistance: 100MΩ min. 500VDC
- Dielectric Strength: 1000VAC 1 minute
- Operation Temperature: -20°C to 65°C
- Rating: 6A/125V, 3A/250VAC
- Electrical Life: 50,000 make-and-break cycles at full load

Standard Lever - PC Mount Terminals

( ) = Momentary

RoHS Compliant

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
1055-TA1220-EVX	B	SPST	On-Off	2.20	1.84	1.67	1.52
1055-TA1230-EVX	B	SPDT	On-On	2.44	2.03	1.85	1.68
1055-TA1320-EVX	C	SPST	On-Off	2.20	1.84	1.67	1.52
1055-TA1330-EVX	C	SPDT	On-On	2.44	2.03	1.85	1.68
1055-TA1360-EVX	C	DPDT	On-On	2.77	2.31	2.10	1.92
1055-TA1365-EVX	C	DPDT	On-Off-On	2.96	2.47	2.24	2.04

Standard Lever - Solder Terminals

( ) = Momentary

RoHS Compliant

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
1055-TA1120-EVX	A	SPST	On-Off	1.92	1.60	1.45	1.32
1055-TA1130-EVX	A	SPDT	On-On	2.06	1.72	1.56	1.42
1055-TA1135-EVX	A	SPDT	On-Off-On	2.20	1.84	1.67	1.52
1055-TA1160-EVX	A	DPDT	On-On	2.81	2.35	2.13	1.94
1055-TA1165-EVX	A	DPDT	On-Off-On	2.90	2.42	2.20	2.00

Flat Lever - Solder Terminals

( ) = Momentary

RoHS Compliant

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
1055-TA2120-EVX	D	SPST	On-Off	2.20	1.84	1.67	1.52
1055-TA2130-EVX	D	SPDT	On-On	2.38	1.98	1.80	1.64
1055-TA2135-EVX	D	SPDT	On-Off-On	2.67	2.23	2.02	1.84
1055-TA2160-EVX	D	DPDT	On-On	2.80	2.33	2.12	1.93

SUB-MINIATURE TOGGLE SWITCHES

Specifications:

- Rating: 1A/250VAC; 3A/120VAC or 28VDC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each				
					1	10	100	500	1000
108-0041-EVX	A	0.20	SPST	Off-On	1.97	1.81	1.74	1.67	1.26
108-0042-EVX	A	0.20	SPDT	On-On	1.97	1.81	1.74	1.67	1.26
108-0044-EVX	A	0.20	SPDT	On-Off-On	1.97	1.81	1.74	1.67	1.26
108-0043-EVX	A	0.36	DPDT	On-On	2.81	2.56	2.40	2.28	2.05
108-0046-EVX	A	0.36	DPDT	On-Off-On	4.20	3.46	2.92	2.42	2.30
108-0047-EVX	B	0.20	SPST	Off-On	2.98	2.66	2.24	1.80	1.59
108-0048-EVX	B	0.20	SPDT	On-On	2.98	2.66	2.24	1.80	1.59
108-0049-EVX	B	0.36	DPDT	On-On	2.81	2.56	2.40	2.28	2.05
108-0050-EVX	C	0.20	SPST	On-Off	2.98	2.66	2.24	1.80	1.59
108-0051-EVX	C	0.20	SPDT	On-On	1.97	1.81	1.74	1.67	1.26
108-0052-EVX	C	0.36	DPDT	On-On	2.74	2.49	2.33	2.21	1.99

MINIATURE TOGGLE SWITCHES

Specifications:

- Rating: 2A/250VAC; 5A/120VAC or 28VDC
- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Width (W) (in.)	Type	Circuit	Price Each				
					1	10	100	500	1000
108-0001-EVX	D	0.27	SPST	Off-On	1.70	1.64	1.58	1.51	1.26
108-0002-EVX	D	.027	SPDT	On-Off-(On)	2.81	2.56	2.40	2.28	2.05
108-0053-EVX	D	.027	SPDT	(On)-Off-(On)	2.81	2.56	2.40	2.28	2.05
108-0004-EVX	D	0.45	DPDT	On-Off-(On)	3.22	2.98	2.81	2.69	2.49
108-0005-EVX	D	0.45	DPDT	(On)-Off-(On)	3.62	3.06	2.87	2.71	2.44
108-0010-EVX	D	0.45	DPDT	On-On	2.74	2.49	2.33	2.21	1.99
108-0008-EVX	E	0.27	SPST	Off-On	2.04	1.47	1.38	1.28	1.07
108-0009-EVX	E	0.27	SPDT	On-On	2.04	1.47	1.38	1.28	1.07
108-0006-EVX	F	0.50	3PDT	On-Off-On	5.18	4.83	4.69	4.38	4.00
108-0007-EVX	F	0.50	4PDT	On-Off-On	8.99	7.80	7.09	6.45	5.94
108-0038-EVX	G	0.27	SPST	Off-On	2.83	2.58	2.42	2.30	2.07
108-0040-EVX	G	0.27	SPST	Off-On	2.83	2.58	2.42	2.30	2.07
108-0027-EVX	H	0.27	SPST	Off-On	1.97	1.81	1.74	1.67	1.26
108-0028-EVX	H	0.27	SPDT	(On)-Off-(On)	2.81	2.56	2.40	2.28	2.05
108-0029-EVX	H	0.45	DPDT	On-On	3.62	3.06	2.87	2.71	2.44
108-0031-EVX	H	0.45	DPDT	On-Off-On	3.62	3.06	2.87	2.71	2.44
108-0011-EVX	I	0.27	SPDT	On-On	1.97	1.81	1.74	1.67	1.26
108-0012-EVX	I	0.27	SPDT	On-Off-On	2.74	2.49	2.33	2.21	1.99
108-0014-EVX	I	0.27	SPDT	On-(On)	2.98	2.66	2.24	1.80	1.59
108-0015-EVX	I	0.27	SPDT	On-Off-(On)	3.62	3.06	2.87	2.71	2.44
108-0016-EVX	I	0.27	SPDT	(On)-Off-(On)	2.83	2.58	2.42	2.30	2.07
108-0017-EVX	J	0.45	DPDT	On-On	3.62	3.06	2.87	2.71	2.44
108-0018-EVX	J	0.45	DPDT	On-Off-On	3.62	3.06	2.87	2.71	2.44
108-0019-EVX	J	0.45	DPDT	On-(On)	3.62	3.06	2.87	2.71	2.44
108-0020-EVX	K	0.27	SPDT	On-On	2.98	2.66	2.24	1.80	1.59
108-0021-EVX	K	0.27	SPDT	On-Off-On	2.74	2.49	2.33	2.21	1.99
108-0022-EVX	K	0.27	SPDT	On-(On)	2.68	2.43	2.27	2.15	2.05
108-0023-EVX	K	0.27	SPDT	(On)-Off-(On)	2.83	2.58	2.42	2.30	2.07
108-0024-EVX	K	0.45	DPDT	On-On	3.62	3.06	2.87	2.71	2.44
108-0025-EVX	K	0.45	DPDT	On-Off-On	3.62	3.06	2.87	2.71	2.44

TOGGLE SWITCH CAPS

Specifications:

- Threaded bushing

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Price Each				
			1	10	100	500	1000
108-0032-EV	L	Red	.17	.15	.13	.12	.11
108-0033-EV	L	Black	.17	.15	.13	.12	.11
108-0034-EV	L	White	.17	.15	.13	.12	.11
108-0035-EV	L	Blue	.17	.15	.13	.12	.11
108-0036-EV	L	Yellow	.17	.15	.13	.12	.11
108-0037-EV	L	Green	.17	.15	.13	.12	.11

TOGGLE SWITCHES

Specifications:

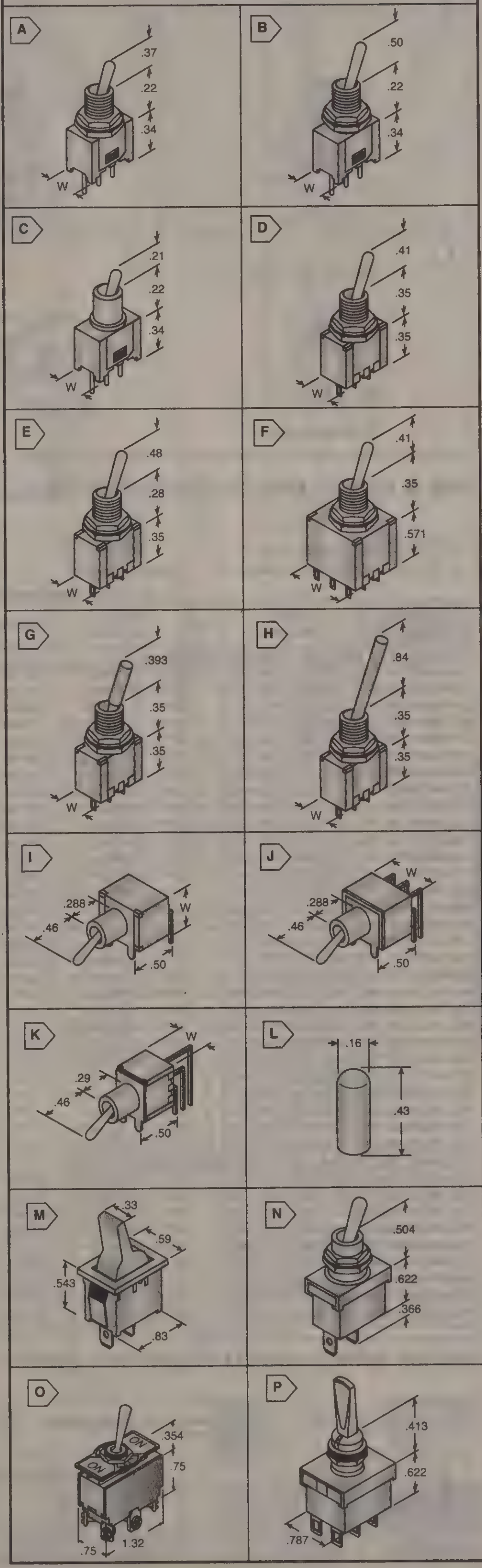
- Rating: 10A/125VAC; 6A/250VAC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 1000MΩ min.

* E67774 LR45128

For quantities of 2000 and up, call for quote.

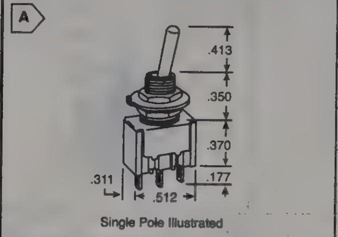
MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Price Each				
					1	10	100	500	1000
112-R13-66AP	R13-66APA-02-BB	M	SPST	On-Off	2.35	1.96	1.78	1.62	1.49
112-R13-66CP	R13-66CPA-02-BB	M	SPDT	On-On	2.35	1.96	1.78	1.62	1.49
112-R13-66DP	R13-66DPA-02-BB	M	SPDT	On-Off-On	2.35	1.96	1.78	1.62	1.49
112-R13-66HP	R13-66HPA-02-BB	M	SPDT	On-Off-(On)	2.35	1.96	1.78	1.62	1.49
112-R13-66IP	R13-66IPA-02-BB	M	SPDT	(On)-Off-(On)	2.35	1.96	1.78	1.62	1.49
Metal Levers									
*112-R13-25A2	R13-25A2-01	N	SPST	On-Off	4.51	3.76	3.41	3.10	2.85
*112-R13-25C2	R13-25C2-01	N	SPDT	On-On	4.51	3.76	3.41	3.10	2.85
112-R13-8E	R13-8E-06-HPH	O	DPDT	On-Off-On	4.51	3.76	3.41	3.10	2.85
Plastic Levers									
*112-R13-25B1	R13-25B1-05	P	DPDT	On-On	5.62	4.68	4.26	3.87	3.56
*112-R13-25E1	R13-25E1-05	P	DPDT	On-Off-On	5.62	4.68	4.26	3.87	3.56

DIMENSIONS: In.

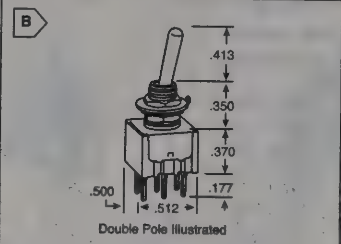


NKK Toggle and Tilt Switches

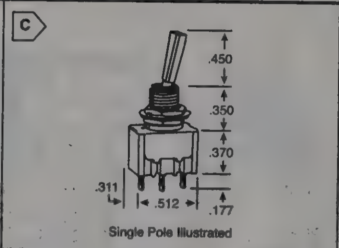
DIMENSIONS: in.



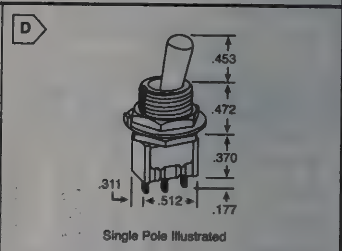
Single Pole Illustrated



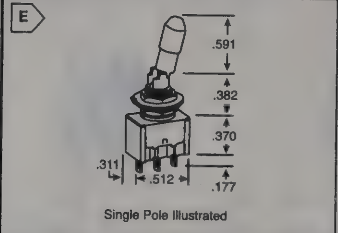
Double Pole Illustrated



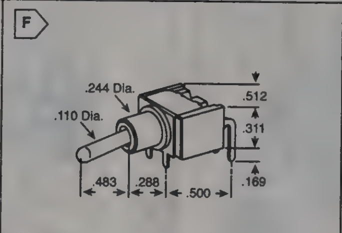
Single Pole Illustrated

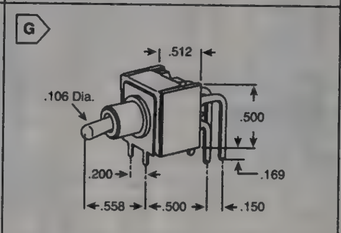


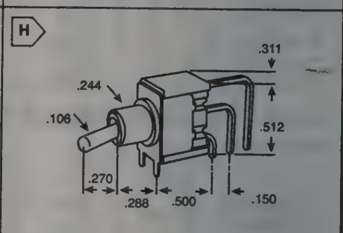
Single Pole Illustrated



Single Pole Illustrated







NKK M SERIES: MINI SWITCHES WITH SMALL TOGGLES

Power Rating:
- 6A @ 125VAC & 3A @ 250VAC/30DC
- 4A @ 30VDC for On-None-On & On-None-Off

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) Momentary	Terminal	Price Each		
					1	25	50
Actuator: .413" Bat; .350" Threaded with Keyway							
633-M201101-RO	M2011SS1W01-RO	A	SPST On-None-Off	Solder	3.41	2.99	2.56
633-M201201-RO	M2012SS1W01-RO	A	SPDT On-None-On	Solder	3.50	3.01	2.59
633-M201301-RO	M2013SS1W01-RO	A	SPDT On-Off-On	Solder	4.10	3.53	3.03
633-M201501-RO	M2015SS1W01-RO	A	SPDT On-None-(On)	Solder	4.60	3.96	3.40
633-M201801-RO	M2018SS1W01-RO	A	SPDT (On)-Off-(On)	Solder	4.70	4.04	3.48
633-M201901-RO	M2019SS1W01-RO	A	SPDT On-Off-(On)	Solder	4.70	4.04	3.48
633-M202401-RO	M2024SS1W01-RO	A	SP3T On-On-On	Solder	7.50	6.45	5.55
633-M202601-RO	M2026SS1W01-RO	A	SP3T (On)-On-(On)	Solder	7.90	6.79	5.85
633-M202701-RO	M2027SS1W01-RO	A	SP3T On-On-(On)	Solder	5.83	5.76	4.99
633-M202201-RO	M2022SS1W01-RO	A	DPDT On-None-On	Solder	5.25	4.52	3.89
633-M202301-RO	M2023SS1W01-RO	A	DPDT On-Off-On	Solder	6.10	5.25	4.51
633-M202501-RO	M2025SS1W01-RO	A	DPDT On-None-(On)	Solder	7.00	6.02	5.18
633-M202801-RO	M2028SS1W01-RO	A	DPDT (On)-Off-(On)	Solder	7.30	6.28	5.40
633-M202901-RO	M2029SS1W01-RO	A	DPDT On-Off-(On)	Solder	7.30	6.28	5.40
633-M204401-RO	M2044SS1W01-RO	A	DP3T On-On-On	Solder	14.90	11.10	10.49
633-M204601-RO	M2046SS1W01-RO	A	DP3T (On)-On-(On)	Solder	17.50	15.05	12.95
633-M204701-RO	M2047SS1W01-RO	A	DP3T On-On-(On)	Solder	17.50	15.05	12.95
633-M203201-RO	M2032SS1W01-RO	A	3PDT On-None-On	Solder	8.75	7.53	6.48
633-M204201-RO	M2042SS1W01-RO	A	4PDT On-None-On	Solder	12.05	10.36	8.92
633-M201203-RO	M2012SS1W03-RO	B	SPDT On-None-On	PC	3.62	3.11	2.68
633-M201303-RO	M2013SS1W03-RO	B	SPDT On-Off-On	PC	4.22	3.63	3.12
633-M201503-RO	M2015SS1W03-RO	B	SPDT On-None-(On)	PC	4.72	4.06	3.49
633-M201803-RO	M2018SS1W03-RO	B	SPDT (On)-Off-(On)	PC	5.01	4.34	3.76
633-M201903-RO	M2019SS1W03-RO	B	SPDT On-Off-(On)	PC	4.82	4.15	3.57
633-M202403-RO	M2024SS1W03-RO	B	SP3T On-On-On	PC	7.74	6.66	5.73
633-M202203-RO	M2022SS1W03-RO	B	DPDT On-None-On	PC	5.49	4.72	4.06
633-M202303-RO	M2023SS1W03-RO	B	DPDT On-Off-On	PC	6.34	5.45	4.69
633-M203203-RO	M2032SS1W03-RO	B	3PDT On-None-On	PC	9.11	7.83	6.74
633-M204203-RO	M2042SS1W03-RO	B	4PDT On-None-On	PC	10.05	8.10	7.20
Actuator: .450" Flatted, .350" Threaded with Keyway							
633-M201202-RO	M2012ES1W01-RO	C	SPDT On-None-On	Solder	4.50	3.87	3.33
633-M201502-RO	M2015ES1W01-RO	C	SPDT On-None-(On)	Solder	5.60	4.82	4.14
633-M201802-RO	M2018ES1W01-RO	C	SPDT (On)-Off-(On)	Solder	5.70	4.90	4.22
633-M201902-RO	M2019ES1W01-RO	C	SPDT On-Off-(On)	Solder	5.70	3.90	3.42
633-M202402-RO	M2024ES1W01-RO	C	SP3T On-On-On	Solder	8.50	7.31	6.29
633-M202202-RO	M2022ES1W01-RO	C	DPDT On-None-On	Solder	4.29	4.15	4.01
633-M202302-RO	M2023ES1W01-RO	C	DPDT On-Off-On	Solder	7.10	6.11	5.25
633-M202502-RO	M2025ES1W01-RO	C	DPDT On-None-(On)	Solder	8.00	6.88	5.92
633-M202802-RO	M2028ES1W01-RO	C	DPDT (On)-Off-(On)	Solder	8.30	7.14	6.14

NKK M SERIES: MINI SWITCHES WITH LARGE TOGGLES

Power Rating:
- 6A @ 125VAC & 3A @ 250VAC/30DC
- 4A @30VDC for On-None-On & On-None-Off

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) Momentary	Terminal	Price Each		
					1	25	50
Actuator: .453" Bat, .472" Threaded with Keyway							
633-M201104-RO	M2011BB1W01-RO	D	SPST On-None-Off	Solder	5.50	4.73	4.07
633-M201204-RO	M2012BB1W01-RO	D	SPDT On-None-On	Solder	5.85	4.99	4.35
633-M201504-RO	M2015BB1W01-RO	D	SPDT On-None-(On)	Solder	6.80	5.85	5.03
633-M201804-RO	M2018BB1W01-RO	D	SPDT (On)-Off-(On)	Solder	6.90	5.68	4.45
633-M202404-RO	M2024BB1W01-RO	D	SP3T On-On-On	Solder	9.70	8.34	7.18
633-M202204-RO	M2022BB1W01-RO	D	DPDT On-None-On	Solder	7.45	6.41	5.51
633-M203504-RO	M2035BB1W01-RO	D	3PDT On-None-(On)	Solder	15.70	13.50	11.62
633-M203804-RO	M2038BB1W01-RO	D	3PDT (On)-Off-(On)	Solder	15.70	13.50	11.62
633-M204504-RO	M2045BB1W01-RO	D	4PDT On-None-(On)	Solder	18.25	15.70	13.51
Actuator: .201" diameter Locking Lever, Threaded Keyway for Lever Lock							
633-M201205-RO	M2012LL1W01-RO	E	SPDT On-None-On	Solder	6.03	5.19	4.46
633-M201305-RO	M2013LL1W01-RO	E	SPDT On-Off-On	Solder	6.63	5.70	4.91
633-M201505-RO	M2015LL1W01-RO	E	SPDT On-None-(On)	Solder	7.13	6.13	5.28
633-M201905-RO	M2019LL1W01-RO	E	SPDT On-Off-(On)	Solder	7.23	6.22	5.35
633-M202205-RO	M2022LL1W01-RO	E	DPDT On-None-On	Solder	7.78	6.69	5.76
633-M204205-RO	M2042LL1W01-RO	E	4PDT On-None-On	Solder	13.14	9.51	8.98

NKK M SERIES: MINI PC MOUNT TOGGLE SWITCHES

Contact Rating:
- Silver: 6A @ 125V AC & 3A @ 250V AC
- Gold: 0.4VA max. @ 28V AC/DC max.

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) Momentary	Contact Material	Price Each	
					1	25
Right Angle PC						
633-M2013SA2G30-RO	M2013SA2G30-RO	F	SPDT On-Off-On	Gold	5.30	4.90
633-M2022S2A2W30-RO	M2022S2A2W30-RO	G	DPDT On-None-On	Silver	6.50	4.49
Vertical PC						
633-M2012S2A2G40-RO	M2012S2A2G40-RO	H	SPDT On-None-On	Gold	5.16	3.56
633-M2012S2A2W40-RO	M2012S2A2W40-RO	H	SPDT On-None-On	Silver	4.42	4.09

NKK DS SERIES - CONTACTLESS TILT SWITCH

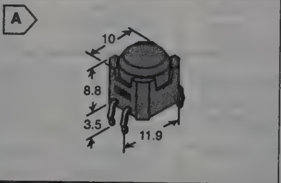
Specifications:
- Operating Angle: ±30° to ±60°
- Return Angle: 10° min.

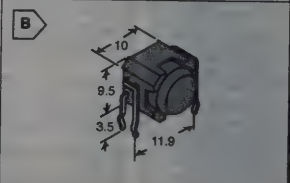
Features:
- Photo interrupter ensures high reliability
- Sealed Construction
- UL94V-0

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each		
				1	25	50
633-DS-BA1P	DSBA1P	A	On-Off Status, NC, Straight PC	4.75	4.31	3.92
633-DS-BA1H	DSBA1H	B	On-Off Status, NC, Right Angle PC	4.75	4.31	3.92

DIMENSIONS: mm





NKK Illuminated Toggle Switches

NKK SWITCHES

G Series

LED Specifications	Single Color			Bicolor
	Red	Amber	Green	Red/Green
Forward Peak Current	25mA	25mA	25mA	25mA/25mA
Continuous Forward Current	20mA	20mA	20mA	20mA/20mA
Forward Voltage	2.0V	2.1V	2.1V	2.0V/2.1V
Reverse Peak Voltage	4V	4V	4V	4V/4V
Current Reduction Rate Above 25°C	0.33mA/°C			
Ambient Temperature Range	-25°C ~ +55°C			

B Series

LED Specifications	Single Color			Bicolor
	Red	Amber	Green	Red/Green
Forward Peak Current	30mA	30mA	20mA	30mA/20mA
Continuous Forward Current	20mA	20mA	10mA	20mA/10mA
Forward Voltage	1.9V	1.9V	3.4V	1.9V/3.4V
Reverse Peak Voltage	5V	5V	5V	5V/5V
Current Reduction Rate Above 25°C	0.43mA/°C	0.43mA/°C	0.28mA/°C	0.43mA/°C/0.28mA/°C
Ambient Temperature Range	-10°C ~ +55°C			

TL Series

LED Specifications	Colored Toggles	Clear Toggles
	Bright	Super Bright
	Green	Blue
Forward Peak Current	50mA	30mA
Continuous Forward Current	20mA	20mA
Forward Voltage	2.27V	3.4V
Reverse Peak Voltage	4V	5V
Current Reduction Rate Above 25°C	0.50mA/°C	0.40mA/°C
Ambient Temperature Range	-10°C ~ +55°C	

M2100 Series

LED Specifications	Single Color	Bicolor
	Red	Red/Green
Forward Peak Current	25mA	25mA
Continuous Forward Current	20mA	10mA
Forward Voltage	2.1V	1.9V
Reverse Peak Voltage	4V	---
Current Reduction Rate Above 25°C	0.33mA/°C	0.33mA/°C
Ambient Temperature Range	-10°C ~ +55°C	

NKK G SERIES: ULTRA-MINIATURE FULLY ILLUMINATED TOGGLES

RoHS Compliant

- World's smallest illuminated toggle switch, available in red/green bicolor and washable.
- Power Rating: 0.4VA Max. @ 28V AC/DC Maximum
- Synchronous LED circuit
- Process Seal

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
PCB Straight							
633-G12JPC	G12JPC	A	SPDT On-None-On	Red	**4.70**	**4.43**	**4.15**
633-G12JPD	G12JPD	A	SPDT On-None-On	Amber	**4.70**	**4.43**	**4.15**
633-G12JPF	G12JPF	A	SPDT On-None-On	Green	**4.70**	**4.43**	**4.15**
633-G12JPCF	G12JPCF	A	SPDT On-None-On	Red/Green	**5.60**	**5.28**	**4.94**
633-G13JPCF	G13JPCF	A	SPDT On-Off-On	Red/Green	**5.80**	**5.46**	**4.12**
PCB Vertical							
633-G12JVC-RO	G12JVC-RO	B	SPDT On-None-On	Red	**5.28**	**4.98**	**4.66**
633-G12JVD-RO	G12JVD-RO	B	SPDT On-None-On	Amber	**5.28**	**4.98**	**4.66**
633-G12JVF-RO	G12JVF-RO	B	SPDT On-None-On	Green	**5.28**	**4.98**	**4.66**
633-G12JVCF-RO	G12JVCF-RO	B	SPDT On-None-On	Red/Green	**6.18**	**5.82**	**5.45**
633-G13JVCF-RO	G13JVCF-RO	B	SPDT On-Off-On	Red/Green	**6.38**	**6.00**	**5.62**
PCB Right Angle							
633-G12JHC-RO	G12JHC-RO	C	SPDT On-None-On	Red	**5.28**	**4.98**	**4.66**
633-G12JHD-RO	G12JHD-RO	C	SPDT On-None-On	Amber	**5.28**	**4.98**	**4.66**
633-G12JHCF-RO	G12JHCF-RO	C	SPDT On-None-On	Red/Green	**6.18**	**5.82**	**5.45**

NKK B SERIES: SUBMINIATURE FULLY ILLUMINATED TOGGLES

RoHS Compliant

- Power Rating: 0.4VA max. @ 28V AC/DC Maximum
- Fully illuminated Toggle
- Process sealed
- Highly visible LED

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
PCB Straight							
633-B12JJPC-RO	B12JJPC-RO	D	SPDT On-None-On	Red	**6.72**	**6.05**	**5.38**
633-B12JJPD-RO	B12JJPD-RO	D	SPDT On-None-On	Amber	**5.60**	**5.04**	**4.48**
633-B12JJPF-RO	B12JJPF-RO	D	SPDT On-None-On	Green	**6.50**	**5.85**	**5.20**
633-B12JJPCF-RO	B12JJPCF-RO	D	SPDT On-None-On	Red/Green	**7.40**	**6.66**	**5.92**
633-B13JJPCF-RO	B13JJPCF-RO	D	SPDT On-Off-On	Red/Green	**9.12**	**8.21**	**7.30**
PCB Vertical							
633-B12JJVF-RO	B12JJVF-RO	E	SPDT On-None-On	Green	**7.08**	**6.37**	**5.66**
PCB Right Angle							
633-B12JJHC-RO	B12JJHC-RO	F	SPDT On-None-On	Red	**6.18**	**5.56**	**4.94**
633-B12JJHD-RO	B12JJHD-RO	F	SPDT On-None-On	Amber	**6.18**	**5.56**	**4.94**
633-B12JJHF-RO	B12JJHF-RO	F	SPDT On-None-On	Green	**7.08**	**6.37**	**5.66**
633-B12JJHCF-RO	B12JJHCF-RO	F	SPDT On-None-On	Red/Green	**7.98**	**7.18**	**6.38**

NKK TL SERIES: FULLY ILLUMINATED TOGGLES

RoHS Compliant

- Available in Bright or Super Bright LED's.
- Interior o-ring protects contacts from oil, dust, water and other contaminants.
- Optional exterior o-ring provides panel sealing capabilities, conforms to IP65 of IEC529 standards

- Power Rating: 6A @ 125V AC or 3A @ 250V AC
- Solder Lug
- UL94V-0 Base

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
633-TL22DFAW015F-RO	TL22DFAW015F-RO	G	DPDT On-None-On	Bright Green	**12.05**	**11.35**	**10.63**
633-TL22DNAW016G-RO	TL22DNAW016G-RO	G	DPDT On-None-On	Super Bright Blue	**14.25**	**13.42**	**12.57**
Accessories			Description				
633-AT401P	AT401P		Exterior O-ring		**.53**	**.42**	**.37**

NKK M2100 SERIES: LED TIPPED MINIATURE TOGGLES

RoHS Compliant

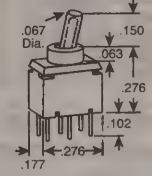
- Power Rating: 6A @ 125VAC OR 3A @ 250VAC/30VDC
- Synchronous LED circuit
- Solder lug
- UL94V-0 Base

For quantities of 100 and up, call for quote.

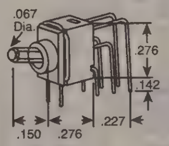
MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each 1	25	50
633-M2112C-RO	M2112TCW01-RO	H	SPDT On-None-On	Red	**8.96**	**8.22**	**7.97**
633-M2112CF-RO	M2112TCFW01-RO	H	SPDT On-None-On	Red/Green	**9.85**	**9.03**	**8.75**
633-M2113CF-RO	M2113TCFW01-RO	H	SPDT On-Off-On	Red/Green	**10.85**	**9.95**	**9.65**

DIMENSIONS: in.

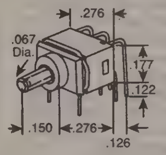
A



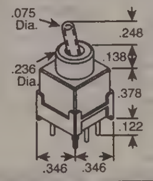
B



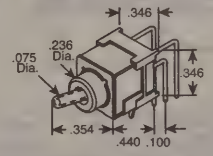
C



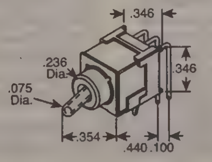
D



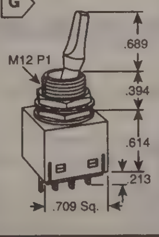
E



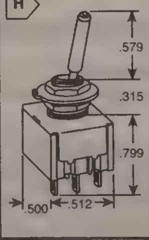
F



G



H



NKK Toggle Switches

G SERIES: PROCESS SEALED ULTRA-MINIATURE TOGGLES

RoHS Compliant

Specifications:
- 0.4 VA max. @ 28VAC/DC max.

Features:
- Ultra-miniature size for high density mounting
- Extremely light weight, 0.25 g
- Totally sealed body construction
- .100" x .100" terminal spacing

()=Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each		
					1	25	50
633-G12AP-RO	G12AP-RO	A	SPDT On-None-On	Straight	3.80	3.27	2.81
633-G13AP-RO	G13AP-RO	A	SPDT On-Off-On	Straight	4.00	3.44	2.96
633-G22AP	G22AP	A	DPDT On-None-On	Straight	5.35	4.60	3.96
633-G23AP	G23AP	A	DPDT On-Off-On	Straight	5.80	4.99	4.29
633-G12AH-RO	G12AH-RO	B	SPDT On-None-On	Right angle	4.38	3.77	3.24
633-G13AH-RO	G13AH-RO	B	SPDT On-Off-On	Right angle	4.58	3.94	3.39
633-G22AH-RO	G22AH-RO	B	DPDT On-None-On	Right angle	6.45	5.55	4.77
633-G23AH-RO	G23AH-RO	B	DPDT On-Off-On	Right angle	6.90	5.93	5.11
633-G12AV-RO	G12AV-RO	C	SPDT On-None-On	Vertical	4.38	3.77	3.24
633-G13AV-RO	G13AV-RO	C	SPDT On-Off-On	Vertical	4.58	3.94	3.39
633-G22AV-RO	G22AV-RO	C	DPDT On-None-On	Vertical	6.45	5.55	4.77
633-G23AV-RO	G23AV-RO	C	DPDT On-Off-On	Vertical	6.90	5.93	5.11

B SERIES: PROCESS SEALED ANTISTATIC SUBMINIATURE TOGGLES

RoHS Compliant

Specifications:
- Static capability: 3 kilovolts ESD
- 0.4 VA max. @ 28VAC/DC max.

Features:
- Saves space on PC boards
- Developed for logic-level applications
- Totally sealed body construction
- .100" x .100" terminal spacing

()=Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each		
					1	25	50
633-B12AB-RO	B12AB-RO	D	SPDT On-None-On	Straight w/bracket	3.80	3.27	2.81
633-B13AB-RO	B13AB-RO	D	SPDT On-Off-On	Straight w/bracket	3.95	3.40	2.92
633-B22AB-RO	B22AB-RO	D	DPDT On-None-On	Straight w/bracket	5.15	4.43	3.81
633-B23AB-RO	B23AB-RO	D	DPDT On-Off-On	Straight w/bracket	5.50	4.73	4.07
633-B12AH-RO	B12AH-RO	E	SPDT On-None-On	Right angle	4.10	3.53	3.03
633-B22AH-RO	B22AH-RO	E	DPDT On-None-On	Right angle	5.45	4.69	4.03
633-B25AH-RO	B25AH-RO	E	DPDT On-None-(On)	Right angle	5.95	5.12	4.40
633-B28AH-RO	B28AH-RO	E	DPDT (On)-Off-(On)	Right angle	6.70	5.76	4.96
633-B29AH-RO	B29AH-RO	E	DPDT On-Off-(On)	Right angle	6.70	5.76	4.96
633-B12AV-RO	B12AV-RO	F	SPDT On-None-On	Vertical	4.10	3.53	3.03
633-B22AV-RO	B22AV-RO	F	DPDT On-None-On	Vertical	5.45	4.69	4.03
Threaded Bushing							
633-B12A1P	B12A1P	G	SPDT On-None-On	Straight	8.25	6.60	6.19
633-B13A1P	B13A1P	G	SPDT On-Off-On	Straight	8.40	6.72	6.30
633-B22A1P	B22A1P	G	DPDT On-None-On	Straight	9.30	7.44	6.98
Locking Lever							
633-B12LB-RO	B12LB-RO	H	SPDT On-None-On	Straight w/bracket	5.92	5.33	4.74
633-B22LB-RO	B22LB-RO	H	DPDT On-None-On	Straight w/bracket	7.27	6.54	5.82
633-B23LB-RO	B23LB-RO	H	DPDT On-Off-On	Straight w/bracket	7.62	6.86	6.10

M2T SERIES: PROCESS SEALED MINIATURE TOGGLES

RoHS Compliant

Specifications:
- Silver: 6A @ 125VAC & 3A @ 250VAC
- Gold: 0.4VA max. @ 28VAC/DC max.
- UL94V-0 Rated

( ) Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Contact Material	Price Each		
					1	25	50
Straight PC							
633-M2T12SA5G03	M2T12SA5G03	I	SPDT On-None-On	Gold	4.31	4.00	3.56
633-M2T12SA5W03	M2T12SA5W03	I	SPDT On-None-On	Silver	3.77	3.50	3.12
633-M2T13SA5W03	M2T13SA5W03	I	SPDT On-Off-On	Silver	4.22	3.90	3.48
633-M2T18SA5G03	M2T18SA5G03	I	SPDT (On)-Off-(On)	Gold	5.31	3.60	3.40
633-M2T22SA5G03	M2T22SA5G03	J	DPDT On-None-On	Gold	6.72	6.22	5.54
633-M2T22SA5W03	M2T22SA5W03	J	DPDT On-None-On	Silver	5.64	5.22	4.65
Vertical PC							
633-M2T12S4A5G40-RO	M2T12S4A5G40-RO	L	SPDT On-None-On	Gold	5.11	4.74	4.22
633-M2T13S4A5G40-RO	M2T13S4A5G40-RO	K	SPDT On-Off-On	Gold	5.56	5.14	4.59

ENVIRONMENTALLY SEALED TOGGLE SWITCHES

RoHS Compliant

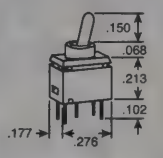
Specifications:
- Power rating: 10A @125VAC/30VDC, 6A @ 250VAC
- UL94V-O Standard
- Leads: AWG 16 heat resistant PVC
- Sealing at front and back panel meets IP67 & IP60 of IEC529

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each			
					1	25	50	100
633-WT11S-RO	WT11S-RO	L	SPST On-None-Off	Solder Lug	10.18	9.35	8.80	8.25
633-WT11T-RO	WT11T-RO	L	SPST On-None-Off	Screw Lug	10.90	10.01	9.42	8.83

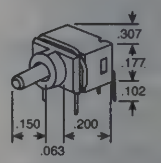
DIMENSIONS: In.

A



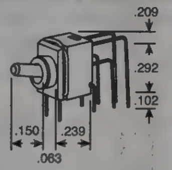
Single Pole Illustrated

B



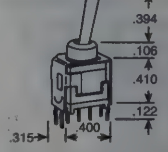
Single Pole Illustrated

C



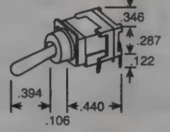
Double Pole Illustrated

D



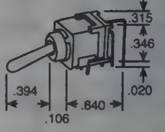
Single Pole Illustrated

E



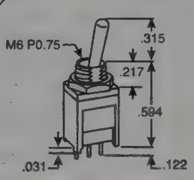
Single Pole Illustrated

F



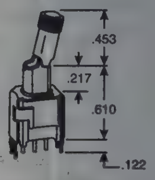
Single Pole Illustrated

G



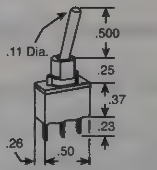
Single Pole Illustrated

H

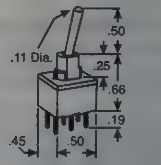


Single Pole Illustrated

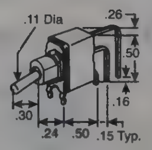
I



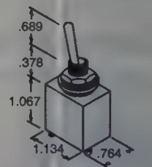
J



K



L



NKK Standard Size Med-High Capacity Toggle Switches

NKK SWITCHES

S SERIES

Specifications:

- 15A to 50A Rating
- 1 to 4 poles
- Bushing Mount
- Locking Lever available
- Panel Seal versions meet IP67 Standard

RoHS Compliant

()=Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Pt. No.	Fig.	Circuit	Resistive Load AC 125V	Resistive Load AC 250V	Resistive Load DC 30V	Inductive AC 125V PF 0.6	Price Each 1	Price Each 25	Price Each 50	Price Each 100
Medium Capacity, Solder Lug Termination											
633-S1A-RO	S1A-RO	A	SPST On-None-Off	15A	6A	20A	8A	3.25	2.95	2.69	2.51
633-S2A-RO	S2A-RO	A	SPDT On-None-On	15A	6A	20A	8A	3.70	3.37	3.06	2.86
633-S3A-RO	S3A-RO	A	SPDT On-Off-On	15A	6A	20A	8A	3.80	3.45	3.14	2.93
633-S21A-RO	S21A-RO	A	DPST On-None-Off	15A	15A	15A	8A	4.40	4.16	3.92	3.68
633-S6A-RO	S6A-RO	A	DPDT On-None-On	20A	10A	20A	8A	5.25	4.97	4.68	4.39
633-S7A-RO	S7A-RO	A	DPDT On-Off-On	20A	10A	20A	8A	5.30	5.01	4.72	4.43
Medium Capacity, Quick Connect Termination											
633-S1F-RO	S1F-RO	B	SPST On-None-Off	15A	6A	20A	8A	3.04	2.88	2.72	2.56
633-S2F-RO	S2F-RO	B	SPDT On-None-On	15A	6A	20A	8A	4.15	3.76	3.42	3.19
633-S3F-RO	S3F-RO	B	SPDT On-Off-On	15A	6A	20A	8A	4.30	3.91	3.56	3.32
633-S21F-RO	S21F-RO	B	DPST On-None-Off	15A	15A	15A	8A	5.20	4.72	4.29	4.00
633-S6F-RO	S6F-RO	B	DPDT On-None-On	20A	10A	20A	8A	6.35	5.76	5.24	4.89
633-S7F-RO	S7F-RO	B	DPDT On-Off-On	20A	10A	20A	8A	6.40	5.81	5.28	4.93
Medium Capacity, Solder Lug Termination with Locking Lever & Panel Seal											
633-S1AL-RO	S1AL-RO	C	SPST On-None-Off	15A	6A	20A	8A	10.25	9.70	9.13	8.57
633-S2AL-RO	S2AL-RO	C	SPDT On-None-On	15A	6A	20A	8A	11.35	10.74	10.11	9.49
633-S21AL-RO	S21AL-RO	C	DPST On-None-Off	15A	15A	15A	8A	12.60	11.92	11.23	10.53
633-S6AL-RO	S6AL-RO	C	DPDT On-None-On	20A	10A	20A	8A	13.60	12.87	12.12	11.37
633-S7AL-RO	S7AL-RO	C	DPDT On-Off-On	20A	10A	20A	8A	13.70	12.96	12.21	11.45
Medium Capacity, Solder Lug Termination with Panel Seal											
633-S1AW-RO	S1AW-RO	D	SPST On-None-Off	15A	6A	20A	-	8.10	7.67	7.23	6.78
633-S5AW-RO	S5AW-RO	D	SPDT On-None-(On)	15A	6A	20A	-	8.40	7.95	7.48	7.02
633-S8AW-RO	S8AW-RO	D	SPDT (On)-Off-(On)	15A	6A	20A	-	8.85	8.37	7.89	7.40
633-S21AW-RO	S21AW-RO	D	DPST On-None-Off	15A	15A	15A	-	10.15	9.60	9.04	8.49
633-S6AW-RO	S6AW-RO	D	DPDT On-None-On	20A	10A	20A	-	11.45	10.83	10.20	9.57
633-S25AW-RO	S25AW-RO	D	DPDT On-None-(On)	15A	6A	20A	-	11.50	10.88	10.25	9.61
633-S28AW-RO	S28AW-RO	D	DPDT (On)-Off-(On)	15A	6A	20A	-	11.95	11.30	10.65	9.99
Medium/High Capacity, Solder Lug Termination											
633-S305-RO	S305-RO	E	SPDT On-None-(On)	15A	6A	20A	8A	4.55	4.13	3.75	3.50
633-S308-RO	S308-RO	E	SPDT (On)-Off-(On)	15A	6A	20A	8A	4.65	4.22	3.84	3.58
633-S309-RO	S309-RO	E	SPDT On-Off-(On)	15A	6A	20A	8A	4.80	4.36	3.96	3.70
633-S335-RO	S335-RO	F	DPDT On-None-(On)	15A	6A	20A	8A	7.30	6.63	6.03	5.63
633-S338-RO	S338-RO	F	DPDT (On)-Off-(On)	15A	6A	20A	8A	7.95	7.21	6.56	6.12
633-S31-RO	S31-RO	G	3PST On-None-Off	25A	9A	20A	10A	8.76	7.95	7.23	6.75
633-S32-RO	S32-RO	G	3PDT On-None-On	25A	9A	20A	10A	9.00	8.17	7.43	6.93
633-S33-RO	S33-RO	G	3PDT On-Off-On	25A	9A	20A	10A	9.70	8.81	8.01	7.48
633-S41-RO	S41-RO	G	4PST On-None-Off	25A	9A	20A	10A	10.35	9.39	8.54	7.97
633-S42RO	S42-RO	G	4PDT On-None-On	25A	9A	20A	10A	10.35	9.39	8.54	7.97
633-S43-RO	S43-RO	G	4PDT On-Off-On	25A	9A	20A	10A	11.15	10.11	9.20	8.58
Medium/High Capacity, Quick Connect Termination											
633-S31F-RO	S31F-RO	H	3PST On-None-Off	25A	9A	20A	10A	9.45	8.58	7.80	7.28
633-S32F-RO	S32F-RO	H	3PDT On-None-On	25A	9A	20A	10A	9.70	8.81	8.01	7.48
633-S33F-RO	S33F-RO	H	3PDT On-Off-On	25A	9A	20A	10A	10.40	9.44	8.58	8.01
633-S41F-RO	S41F-RO	H	4PST On-None-Off	25A	9A	20A	10A	10.95	9.93	9.03	8.43
633-S42F-RO	S42F-RO	H	4PDT On-None-On	25A	9A	20A	10A	11.25	10.21	9.29	8.67
633-S43F-RO	S43F-RO	H	4PDT On-Off-On	25A	9A	20A	10A	12.05	10.94	9.95	9.28
Medium/High Capacity, Screw Lug Termination											
633-S301T-RO	S301T-RO	I	SPST On-None-Off	15A	6A	20A	10A	3.86	3.65	3.45	3.21
633-S302T-RO	S302T-RO	I	SPDT On-None-On	15A	6A	20A	10A	4.65	4.22	3.84	3.58
633-S303T-RO	S303T-RO	I	SPDT On-Off-On	15A	6A	20A	10A	4.90	4.46	4.05	3.78
633-S305T-RO	S305T-RO	I	SPDT On-None-(On)	15A	6A	20A	8A	4.80	4.36	3.96	3.70
633-S308T-RO	S308T-RO	I	SPDT (On)-Off-(On)	15A	6A	20A	8A	5.30	4.82	4.38	4.09
633-S309T-RO	S309T-RO	I	SPDT On-Off-(On)	15A	6A	20A	8A	5.30	4.82	4.38	4.09
633-S331T	S331T-RO	J	DPST On-None-Off	15A	15A	15A	10A	6.90	6.27	5.70	5.32
633-S332T-RO	S332T-RO	J	DPDT On-None-On	15A	15A	15A	10A	7.25	6.58	5.99	5.59
633-S333T-RO	S333T-RO	J	DPDT On-Off-On	15A	15A	15A	10A	8.15	7.39	6.72	6.27
633-S335T-RO	S335T-RO	J	DPDT On-None-(On)	15A	6A	20A	8A	8.35	7.57	6.89	6.43
633-S338T-RO	S338T-RO	J	DPDT (On)-Off-(On)	15A	6A	20A	8A	8.75	7.94	7.22	6.73
High Capacity, Screw Lug Termination											
633-S821-RO	S821-RO	K	DPST On-None-Off	30A	30A	30A	30A	20.90	18.98	17.25	16.10
633-S822-RO	S822-RO	K	DPDT On-None-On	30A	30A	30A	30A	21.70	19.70	17.91	16.72
633-S823-RO	S823-RO	K	DPDT On-Off-On	30A	30A	30A	30A	21.50	19.52	17.75	16.56
633-S831-RO	S831-RO	K	3PST On-None-Off	30A	30A	30A	30A	30.75	27.90	25.37	23.67
633-S832-RO	S832-RO	K	3PDT On-None-On	30A	30A	30A	30A	37.10	33.68	30.62	28.57
633-S833-RO	S833-RO	K	3PDT On-Off-On	30A	30A	30A	30A	37.15	33.71	30.65	28.60
633-S732	S732-RO	L	DPDT On-None-On	50A	30A	50A	25A	50.30	45.66	41.51	38.74

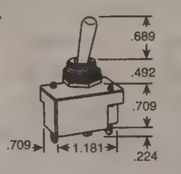
Accessories for S Series

RoHS Compliant

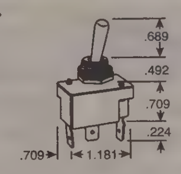
MOUSER STOCK NO.	NKK Pt. No.	Fig.	Description	Price Each 1	Price Each 25	Price Each 50	Price Each 100
633-AT201	AT201	M	On-Off Plate	.60	.48	.43	.38
633-AT202	AT202	N	On-Off Plate Red/Black	1.80	1.44	1.30	1.15
633-AT214	AT214	M	On-Off Plate Red/Black	1.80	1.44	1.30	1.15
633-AT401	AT401A	O	Splashproof Half-Boot, Black	2.60	2.08	1.87	1.66
633-AT402	AT402A	P	Splashproof Full-Boot, Black	3.40	2.72	2.45	2.18

DIMENSIONS: in.

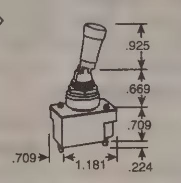
A



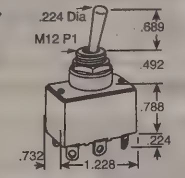
B



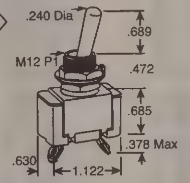
C



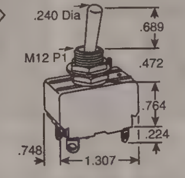
D



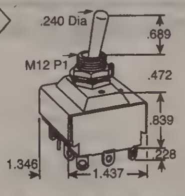
E



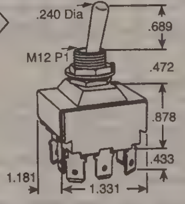
F



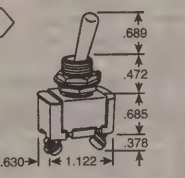
G



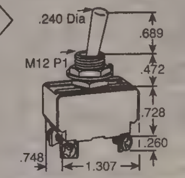
H



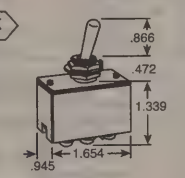
I



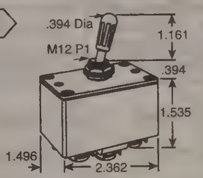
J



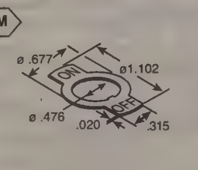
K



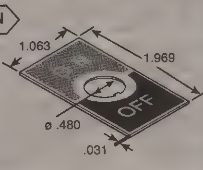
L



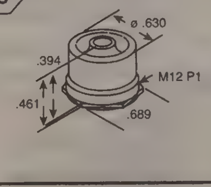
M



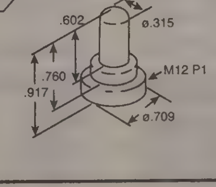
N



O



P



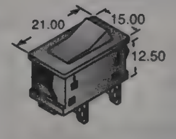
APEM APPLIANCE STYLE ROCKER SWITCHES

DIMENSIONS: In.

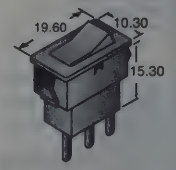
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Function	Terminal	Price Each			
					1	25	100	500
642-FMC12A220	FMC12A220	A	SPST On-Off	Solder	.92	.88	.82	.77
642-FMC32A220	FMC32A220	A	SPST Off-(On)	Solder	2.20	2.06	1.95	1.84
642-FMC62A220	FMC62A220	A	SPDT On-On	Solder	1.32	1.26	1.19	1.13
642-FML18A276A0	FML18A276A0	A	SPST On-Off Illum. Red	Quick-connect	2.12	2.01	1.89	1.77
642-FMC92A220	FMC92A220	A	SPDT On Off On	PC	1.23	1.16	1.09	1.02
642-AS36S010010	AS36S010010	B	SPDT On-On	Solder	2.23	2.11	1.98	1.86
642-AS39S010010	AS39S010010	B	SPDT On-Off-On	Solder	2.15	2.03	1.91	1.80
642-AS37S010010	AS37S010010	B	SPDT (On)-Off-(On)	Solder	2.60	2.45	2.31	2.16
642-AS36P0	AS36P0	B	SPDT On-On	PC	1.95	1.84	1.73	1.62
642-AS39P0	AS39P0	B	SPDT On-Off-On	PC	2.15	2.03	1.91	1.80

A



B

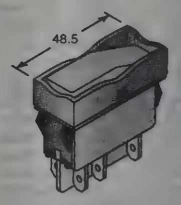


APEM POWER ROCKER SWITCHES

DIMENSIONS: In.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Function	Price Each			
			1	25	100	500
Non-Illuminated						
642-KG312A2XXA21	KG312A2XXA21	SPST On-Off	4.12	3.89	3.66	3.44
642-KG362A2XXA21	KG362A2XXA21	SPDT On-On	6.05	5.71	5.38	5.04
642-KG372A2XXA21	KG372A2XXA21	SPDT (On) -Off-(On)	8.32	7.85	7.39	6.93
642-KG412A2XXA21	KG412A2XXA21	DPST On-Off	4.57	4.32	4.06	3.81
642-KG452A2XXA21	KG452A2XXA21	DPDT (On)-On	9.62	9.09	8.55	8.02
642-KG462A2XXA21	KG462A2XXA21	DPDT On-On	7.67	7.25	6.82	6.39
Illuminated - Red lens - 12V Red LED						
642-KG312A2DXA246	KG312A2DXA246	SPST On-Off	8.98	8.48	7.98	7.48
642-KG352A2DXA246	KG352A2DXA246	SPDT (On)-On	11.30	10.67	10.05	9.42
642-KG362A2DXA246	KG362A2DXA246	SPDT On-On	8.98	8.48	7.98	7.48
642-KG412A2DXD246	KG412A2DXD246	DPST On-Off	8.10	7.65	7.20	6.75
642-KG452A2DXA246	KG452A2DXA246	DPDT (On)-On	12.51	11.82	11.12	10.43
642-KG462A2DXA246	KG462A2DXA246	DPDT On-On	10.66	10.07	9.48	8.88



Carling Technologies V SERIES: CONTURA SEALED ROCKER SWITCHES

Specifications:
- IP66/IP68 certified
- Meet UL1500/ISO8846 for ignition protection
- Temperature range: 40°C to +85°C
- Rating: 20A @ 12VDC
- Termination: 10 terminals, .250 QC without barriers

( ) Momentary

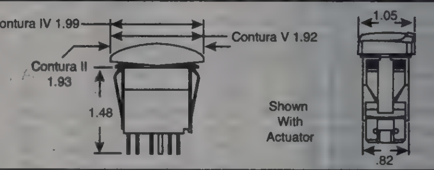
DIMENSIONS: In.

Flexibility of options with interchangeable actuators (sold separately below)

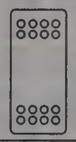
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
Switch Body Only, No Lamps								
691-V2D2S00B	V2D2S00B-00000-000	A	SPST	(ON)-OFF	4.45	3.20	2.94	2.58
Actuators for Switches With No Lamps or LEDs								
691-VVAZC	VVAZC00-000	B	Black, hard, raised bumps each end		1.11	.82	.78	.68
691-VVAZB	VVAZB00-000	B	Black, soft, raised bumps each end		1.78	1.32	1.25	1.09
Switch Body Only With 1 12V Amber LED and 1 12V Superbright Green LED								
691-V1D2GHNB	V1D2GHNB-00000-000	A	SPST	ON-OFF	9.68	6.97	6.39	5.61
691-V2D2GHNB	V2D2GHNB-00000-000	A	SPST	(ON)-OFF	10.18	7.33	6.72	5.90
691-VGD2GHNB	VGD2GHNB-00000-000	A	SPDT	OFF-ON-ON	13.18	9.49	8.70	7.64
691-V4D2GHNB	V4D2GHNB-00000-000	A	SPST	ON-ON	10.30	7.42	6.80	5.97
691-V6D2GHNB	V6D2GHNB-00000-000	A	SPDT	ON-OFF-ON	10.30	7.42	6.80	5.97
691-VED2GHNB	VED2GHNB-00000-000	A	SPDT	ON-ON-ON	14.13	10.17	9.32	8.19
691-V8D2GHNB	V8D2UHNB-00000-000	A	SPDT	(ON)-OFF-(ON)	10.95	7.88	7.23	6.35
691-VLD2GHNB	VLD2GHNB-00000-000	A	DPDT	(ON)-OFF-(ON)	13.60	9.79	8.98	7.89
Actuators for Switches With LEDs								
691-VVAAC	VVAAC00-000	C	Contura II, Black with white square lens, white bar		1.11	.82	.78	.68
691-VVEAC	VVEAC00-000	D	Contura IV, Black with white dual round lenses		1.62	1.20	1.14	.99
691-VVFAC	VVFAC00-000	E	Contura IV, Black with white dual round lenses		.88	.66	.62	.54
691-VVGAC	VVGAC00-000	F	Contura V, Black with white dual round lenses		1.20	.89	.84	.73
Switch Body Only With 1 12V Incandescent Lamp								
691-V1D2B60B	V1D2B60B-00000-000	A	SPST	ON-OFF	5.68	4.09	3.75	3.29
691-V8D2B60B	V8D2B60B-00000-000	A	SPDT	(ON)-OFF-(ON)	6.95	5.00	4.59	4.03
Switch Body Only With 2 12V Incandescent Lamps								
691-V4D2D66B	V4D2D66B-00000-000	A	SPST	ON-ON	8.05	5.80	5.31	4.67
691-V6D2D66B	V6D2D66B-00000-000	A	SPDT	ON-OFF-ON	8.05	5.80	5.31	4.67
Actuators for Switches With Incandescent Lamps								
691-VVCMC	VVCMC00-000	G	Contura III, Red bar lens one end		1.11	.82	.78	.68
691-VVCNC	VVCNC00-000	H	Contura III, 2 red bar lenses, 1 each end		1.11	.82	.78	.68
691-VVEMC	VVEMC00-000	I	Contura IV, Red bar lens one end		1.62	1.20	1.14	.99
691-VVFMC	VVFMC00-000	J	Contura IV, Red bar lens one end		1.62	1.20	1.14	.99
691-VVENC	VVENC00-000	K	Contura IV, 2 red bar lenses, 1 each end		1.62	1.20	1.14	.99
691-VVFNC	VVFNC00-000	L	Contura IV, 2 red bar lenses, 1 each end		1.19	.88	.84	.73
Tools and Accessories for Contura Switches								
691-VRT	VRT			Actuator removal tool	3.00	2.16	1.98	1.74
691-VPS-01	VPS-01			Panel seal	.89	.66	.62	.54
691-VC1-01	VC1-01			10 terminal connector	1.08	.80	.76	.66
691-VH2-01	VH2-01			Hole plug	1.35	1.00	.95	.83
691-VM3-01	VM3-01			3-gang mounting bracket	3.75	2.70	2.48	2.18

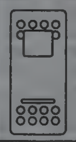
A



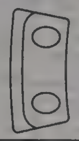
B



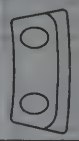
C



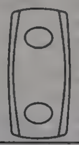
D



E



F



G

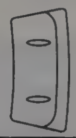
H

I

J

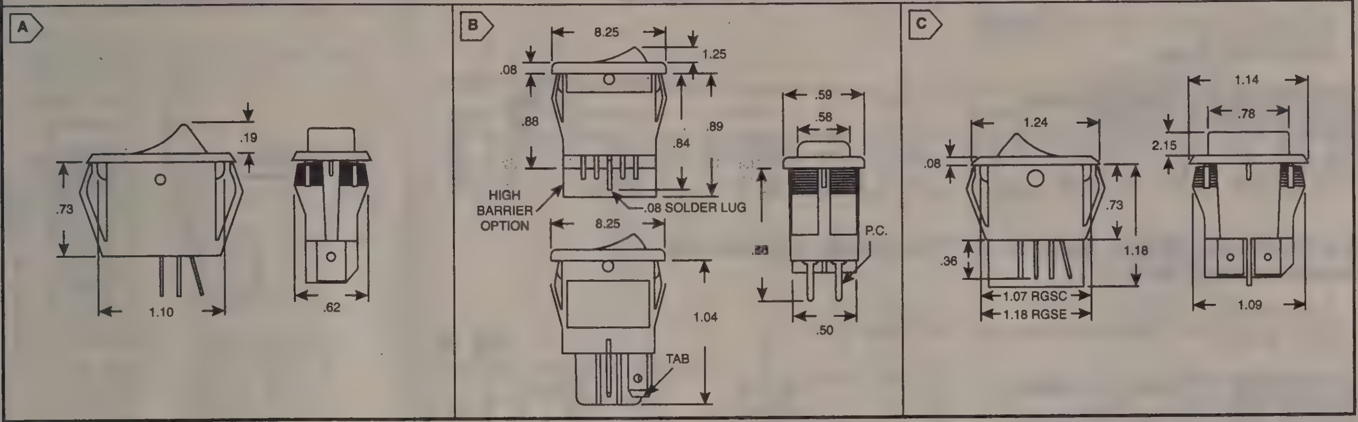
K

L



CARLING TECHNOLOGIES Rocker Switches

DIMENSIONS: in.



*125V Neon Lamp **12V Incandescent Lamp

CARLING R SERIES: CURVETTE SNAP-IN ROCKER SWITCHES

- Contact Form: SPST
- Rating: 10A @ 250VAC/16A @ 125VAC/3/4HP 125-250 VAC
- Termination: .250 QC Tab
- Contact Form: RA OFF-ON; RB ON-ON
- Actuator: Matte Finish
- Visi-Rocker Actuator Shows Red to Indicate "ON" Position

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Circuit	Actuator/ Bezel Color	Price Each			
					1	25	50	100
Standard Actuator								
691-RA901RBB0N	RA901-RB-B-0-N	A	None	Black/Black	1.17	.98	.93	.81
691-RA901RWB0N	RA901-RW-B-0-N	A	None	White/Black	1.17	.98	.93	.81
691-RA901RWW0N	RA901-RW-W-0-N	A	None	White/White	1.17	.98	.93	.81
691-RA901RBBAN	RA901-RB-B-A-N	A	OFF-ON vertical	Black/Black	1.27	1.07	1.01	.88
691-RA901RBBFN	RA901-RB-B-F-N	A	ON-OFF vertical	Black/Black	1.27	1.07	1.01	.88
691-RB901-RW-B-0-N	RB901-RW-B-0-N	A	None	White/Black	1.36	1.14	1.09	.94
691-RB901-RW-W-0-N	RB901-RW-W-0-N	A	None	White/White	1.36	1.14	1.09	.94
691-RB901-RB-B-A-N	RB901-RB-B-A-N	A	OFF-ON vertical	Black/Black	1.46	1.23	1.17	1.01
691-RB901-RB-B-F-N	RB901-RB-B-F-N	A	ON-OFF vertical	Black/Black	1.46	1.23	1.17	1.01
*691-LRA911RSB/125N	LRA911-RS-B/125N	A	None	Clear Red/Black	1.54	1.29	1.23	1.07
*691-LRA211RSB/125N	LRA211-RS-B/125N	A	None	Clear Red/Black	1.54	1.29	1.23	1.07
Visi-Rocker Actuator								
691-RA901VBB0V	RA901-VB-B-0-V	A	None	Black/Black	1.27	1.07	1.01	.88
691-RA901VBB1V	RA901-VB-B-1-V	A	OFF-ON Vert	Black/Black	1.27	1.07	1.01	.88
691-RA901VBB2V	RA901-VB-B-2-V	A	OFF-ON horizontal	Black/Black	1.27	1.07	1.01	.88
691-RA901VBB9V	RA901-VB-B-9-V	A	O-I vertical	Black/Black	1.27	1.07	1.01	.88
691-RA901VWW1V	RA901-VW-W-1-V	A	OFF-ON vertical	White/White	1.37	1.15	1.09	.95
691-RB901-VB-B-0-V	RB901-VB-B-0-V	A	None	Black/Black	1.46	1.23	1.17	1.01
691-RB901-VB-B-1-V	RB901-VB-B-1-V	A	OFF-ON Vert	Black/Black	1.46	1.23	1.17	1.01
691-RB901-VB-B-2-V	RB901-VB-B-2-V	A	OFF-ON horizontal	Black/Black	1.46	1.23	1.17	1.01
691-RB901-VB-B-9-V	RB901-VB-B-9-V	A	O-I vertical	Black/Black	1.46	1.23	1.17	1.01
691-RB901-VW-W-1-V	RB901-VW-W-1-V	A	OFF-ON vertical	White/White	1.56	1.31	1.24	1.08

CARLING 621 SERIES: SINGLE AND DOUBLE POLE ROCKER SWITCHES

RoHS Compliant

- Rating: 4A@250VAC, 8A@125VAC, 6(4)A 250V

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Terminals	†Actuator Color	Actuator Markings	Price Each			
								1	25	50	100
691-62115919-0-9-V	62115919-0-9-V	B	DPST	ON-NONE-OFF	Solder lug	Visi-Rocker	I-O vertical	1.90	1.60	1.52	1.32
691-62111421-0-0-N	62111421-0-0-N	B	SPDT	ON-NONE-ON	Solder lug	Black	None	1.52	1.28	1.21	1.05
691-62112421-0-0-N	62112421-0-0-N	B	DPDT	ON-NONE-ON	Solder lug	Black	None	1.93	1.62	1.54	1.34
691-62116919-0-0-N	62116919-0-0-N	B	SPST	ON-NONE-OFF	Solder lug	Black	None	1.29	1.08	1.03	.89
691-62115929-0-0-V	62115929-0-0-V	B	DPDT	ON-NONE-ON	.0187 QC tabs	Visi-Rocker	None	2.16	1.81	1.72	1.50
691-62116919-0-9-V	62116919-0-9-V	B	SPST	ON-NONE-OFF	.0187 QC tabs	Visi-Rocker	I-O vertical	1.39	1.17	1.11	.96

† Visi-Rocker is a black actuator with red molded on indicator.

CARLING RG SERIES: SINGLE AND DOUBLE POLE ROCKER SWITCHES

RoHS Compliant

- Rating: 15A @ 250VAC, 20A @ 125VAC, 3/4 HP@ 125-250 VAC, 14(6)A @ 250 VAC
- Circuit: OFF-NONE-ON
- Terminals: .250 QC Tabs

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Actuator Markings	Price Each			
						1	25	50	100
691-RGSCA901RB-B-0	RGSCA901-R-B-B-0	C	SPST	Black	None	1.87	1.57	1.49	1.30
691-RGSCA901RB-B-E	RGSCA901-R-B-B-E	C	SPST	Black	I-O vertical	1.97	1.65	1.57	1.37
691-RGSCC901RB-B-0	RGSCC901-R-B-B-0	C	DPST	Black	None	2.45	2.06	1.96	1.70
691-RGSCC901RB-B-E	RGSCC901-R-B-B-E	C	DPST	Black	I-O vertical	2.55	2.14	2.03	1.77
*691-LRGSCK611RSB0	LRGSCK611-RS-B-0/125N	C	DPST	Translucent Red	None	2.91	2.44	2.32	2.02
*691-LRGSCK61SBSBAN	LRGSCK611-RS-B-A/125N	C	DPST	Translucent Red	OFF-ON vertical	3.01	2.53	2.40	2.09
*691-LRGSCK61SBSBEN	LRGSCK611-RS-B-E/125N	C	DPST	Translucent Red	I-O vertical	3.01	2.53	2.40	2.09
**691-LRGSCK51SBSB0V	LRGSCK511-RS-B-0/012V	C	DPST	Translucent Red	None	2.91	2.44	2.32	2.02
**691-LRGSCK51SBSBAV	LRGSCK511-RS-B-A/012V	C	DPST	Translucent Red	OFF-ON vertical	3.01	2.53	2.40	2.09
**691-LRGSCK51SBSBEV	LRGSCK511-RS-B-E/012V	C	DPST	Translucent Red	I-O vertical	3.01	2.53	2.40	2.09

CARLING T SERIES: MINI-TIPPETTE SNAP-IN ROCKER SWITCHES

- Contact Rating: 10A 250VAC; 15A 125VAC; 3/4HP 125-250VAC
- Termination: .250 QC Tab
- Actuator/Bezel color: Black/Black

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
691-TA201-TB-B	TA201-TB-B	A	SPST	On-None-Off	1.62	1.20	1.14	.99
691-TB201-TB-B	TB201-TB-B	A	SPDT	On-None-On	2.16	1.60	1.52	1.32
691-TC201-TB-B	TC201-TB-B	A	SPDT	On-Off-On	2.21	1.64	1.56	1.35

CARLING LTA SERIES: MINI-TIPPETTE ILLUMINATED SNAP-IN ROCKER SWITCHES

- Circuit: SPST OFF-ON
- Contact Rating: 10A 250VAC; 15A 125VAC; 3/4HP 125-250VAC
- Actuator: Translucent
- Termination: 250 QC Tab
- Bezel color: Black

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Lens Color	Lamp Type and Voltage	Price Each			
					1	25	50	100
691-LTA201TAB/12V	LTA201-TA-B/12V	B	Amber	12 V Incandescent lamp	4.33	3.11	2.85	2.51
691-LTA201TRB/12V	LTA201-TR-B/12V	B	Red	12 V Incandescent lamp	4.33	3.11	2.85	2.51
691-LTA201TAB/125N	LTA201-TA-B/125N	B	Amber	125 V Neon lamp	4.05	2.92	2.67	2.35
691-LTA201TRB/125N	LTA201-TR-B/125N	B	Red	125 V Neon lamp	4.05	2.92	2.67	2.35
691-LTA201TAB/250N	LTA201-TA-B/250N	B	Amber	250 V Neon lamp	4.05	2.92	2.67	2.35
691-LTA201TRB/250N	LTA201-TR-B/250N	B	Red	250 V Neon lamp	4.05	2.92	2.67	2.35

CARLING TIG SERIES: FULL SIZE TIPPETTE ROCKER SWITCHES

- Rating: 10A @250VAC/15A@125VAC/3/4HP 125-250VAC
- Actuator: Black, glossy finish, smooth curved
- Bracket: Black glossy finish

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Terminals	Price Each			
						1	25	50	100
691-TIGA516SBLNBL	TIGA51-6S-BL-NBL	C	SPST	On-None-Off	.250 QC tab	4.80	4.03	3.83	3.33
691-TIGA576SBLNBL	TIGA57-6S-BL-NBL	C	SPST	On-None-Off	Combi terminal	5.85	4.91	4.67	4.05
691-TIGA5B6SBLNBL	TIGA5B-6S-BL-NBL	C	SPST	(On)-None-Off	.250 QC tab	5.82	4.89	4.64	4.03
691-TIGA5M6SBLNBL	TIGA5M-6S-BL-NBL	C	SPST	On-None-(Off)	.250 QC tab	5.82	4.89	4.64	4.03
691-TIGA5Y6SBLNBL	TIGA5Y-6S-BL-NBL	C	SPST	On-None-(Off)	Combi terminal	6.76	5.68	5.39	4.68
691-TIGB516SBLNBL	TIGB51-6S-BL-NBL	C	SPST	On-None-On	.250 QC tab	5.43	4.56	4.33	3.76
691-TIGB576SBLNBL	TIGB57-6S-BL-NBL	C	SPST	On-None-On	Combi terminal	6.89	5.79	5.50	4.77
691-TIGB5B6SBLNBL	TIGB5B-6S-BL-NBL	C	SPST	On-None-(On)	.250 QC tab	6.30	5.29	5.03	4.37
691-TIGC576SBLNBL	TIGC57-6S-BL-NBL	C	SPDT	On-Off-On	Combi terminal	6.89	5.79	5.50	4.77
691-TIGC5B6SBLNBL	TIGC5B-6S-BL-NBL	C	SPDT	On-Off-(On)	.250 QC tab	6.30	5.29	5.03	4.37
691-TIGC5H6SBLNBL	TIGC5H-6S-BL-NBL	C	SPDT	On-Off-On	Combi terminal	7.89	6.63	6.30	5.47
691-TIGC5M6SBLNBL	TIGC5M-6S-BL-NBL	C	SPDT	(On)-Off-(On)	.250 QC tab	6.30	5.29	5.03	4.37
691-TIGC5Y6SBLNBL	TIGC5Y-6S-BL-NBL	C	SPDT	(On)-Off-(On)	Combi terminal	7.89	6.63	6.30	5.47
691-TIGK516SBLNBL	TIGK51-6S-BL-NBL	C	DPST	On-None-Off	.250 QC tab	6.83	4.91	4.50	3.96
691-TIGK576SBLNBL	TIGK57-6S-BL-NBL	C	DPDT	On-Off-On	Combi terminal	8.32	6.99	6.64	5.77
691-TIGK5B6SBLNBL	TIGK5B-6S-BL-NBL	C	DPST	(On)-None-Off	.250 QC tab	7.37	5.46	5.19	4.50
691-TIGK5H6SBLNBL	TIGK5H-6S-BL-NBL	C	DPST	(On)-None-Off	Combi terminal	9.93	8.34	7.92	6.88
691-TIGK5M6SBLNBL	TIGK5M-6S-BL-NBL	C	DPST	On-None-(Off)	.250 QC tab	7.37	5.46	5.19	4.50
691-TIGL516SBLNBL	TIGL51-6S-BL-NBL	C	DPST	On-None-On	.250 QC tab	6.80	5.04	4.79	4.16
691-TIGL576SBLNBL	TIGL57-6S-BL-NBL	C	DPST	On-None-On	Combi terminal	10.03	8.43	8.00	6.95
691-TIGL5B6SBLNBL	TIGL5B-6S-BL-NBL	C	DPST	On-None-(On)	.250 QC tab	8.29	6.14	5.83	5.07
691-TIGM516SBLNBL	TIGM51-6S-BL-NBL	C	DPDT	On-Off-On	.250 QC tab	6.80	5.04	4.79	4.16
691-TIGM576SBLNBL	TIGM57-6S-BL-NBL	C	DPDT	On-Off-On	Combi terminal	10.03	8.43	8.00	6.95
691-TIGM5B6SBLNBL	TIGM5B-6S-BL-NBL	C	DPDT	On-Off-On	.250 QC tab	8.29	6.14	5.83	5.07
691-TIGM5H6SBLNBL	TIGM5H-6S-BL-NBL	C	DPDT	On-Off-(On)	Combi terminal	11.92	9.52	9.06	7.86
691-TIGM5M6SBLNBL	TIGM5M-6S-BL-NBL	C	DPDT	(On)-Off-(On)	.250 QC tab	8.29	6.14	5.83	5.07
691-TIGM5Y6SBLNBL	TIGM5Y-6S-BL-NBL	C	DPDT	(On)-Off-(On)	Combi terminal	11.35	9.53	9.06	7.87

CARLING LTIG SERIES: ILLUMINATED FULL SIZE TIPPETTE ROCKER SWITCHES

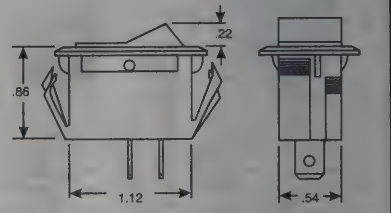
- Rating: 10A @250VAC/15A@125VAC/3/4HP 125-250VAC
- Termination: .250 QC Tab
- Illumination: 12VDC incandescent lamp
- Actuator: Red, glossy finish, smooth curved with red lens
- Bracket: Black glossy finish

For quantities of 250 and up, call for quote.

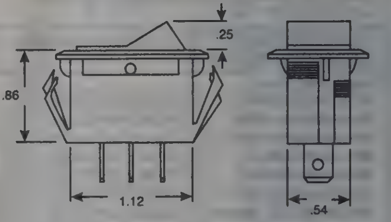
MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Price Each			
					1	25	50	100
691-LTIGK516SBLNBL	LTIGK51-6S-BL-RC-NBL-12V	D	DPST	On-Off	8.55	6.16	5.64	4.96
691-LTIGL516SBLNBL	LTIGL51-6S-BL-RC-NBL-12V	D	DPST	On-On	11.80	8.50	7.79	6.84
691-LTIGL5B6SBLNBL	LTIGL5B-6S-BL-RC-NBL-12V	D	DPST	On-(On)	12.68	9.13	8.37	7.35
691-LTIGM516SBLNBL	LTIGM51-6S-BL-RC-NBL-12V	D	DPDT	On-Off-On	11.80	8.50	7.79	6.84
691-LTIGM5B6SBLNBL	LTIGM5B-6S-BL-RC-NBL-12V	D	DPDT	On-Off-(On)	12.68	9.13	8.37	7.35
691-LTIGM5M6SBLNBL	LTIGM5M-6S-BL-RC-NBL-12V	D	DPDT	(On)-Off-(On)	12.68	9.13	8.37	7.35
691-LTILA516SBLRC	LTILA51-6S-BL-RC-NBL-12V	D	SPST	On-None-Off	6.30	5.29	5.03	4.37
691-LTILA5B6SBLRC	LTILA5B-6S-BL-RC-NBL-12V	D	SPST	(On)-None-Off	7.36	6.18	5.87	5.10
691-LTILA5M6SBLRC	LTILA5M-6S-BL-RC-NBL-12V	D	SPST	On-None-(Off)	7.36	6.18	5.87	5.10
691-LTILB516SBLRC	LTILB51-6S-BL-RC-NBL-12V	D	SPST	On-None-On	9.23	7.75	7.37	6.40
691-LTILB5B6SBLRC	LTILB5B-6S-BL-RC-NBL-12V	D	SPST	On-None-(On)	10.23	8.59	8.16	7.09
691-LTILC516SBLRC	LTILC51-6S-BL-RC-NBL-12V	D	SPDT	On-Off-On	9.23	7.75	7.37	6.40
691-LTILC5B6SBLRC	LTILC5B-6S-BL-RC-NBL-12V	D	SPDT	On-Off-(On)	10.23	8.59	8.16	7.09
691-LTILC5M6SBLRC	LTILC5M-6S-BL-RC-NBL-12V	D	SPDT	(On)-Off-(On)	9.02	8.57	8.12	7.67

DIMENSIONS: In.

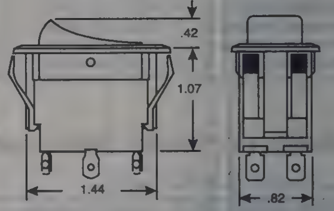
A



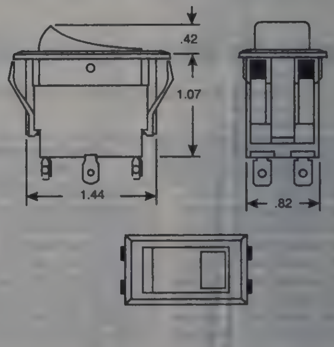
B



C



D



C&K Rocker Switches

C&K 7000 SERIES ROCKER SWITCHES

Specifications:
- Contact Material: End Contacts- Coin Ag over Ag plate Center contact and all terminals- Cu alloy over Ag plate
- Contact Rating: 5 AMPS @120 V AC or 28 V DC, 2 AMPS @250 V AC
- Termination: Solder lug

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Price Each 1	25	100	500
Rocker Switch - No Frame								
611-7101-008	7101J1ZQE2	A	SPDT	On-None-On	**5.09**	**4.87**	**4.65**	**4.32**
611-7105J1ZQE2	7105J1ZQE2	A	SPDT	(On)-Off-(On)	**5.67**	**5.43**	**5.18**	**4.81**
611-7105J3ZQE2	7105J3ZQE2	A	SPDT	(On)-Off-(On)	**6.44**	**6.16**	**5.88**	**5.46**
611-7205J3ZQE2	7205J3ZQE2	A	DPDT	(On)-Off-(On)	**8.64**	**8.26**	**7.89**	**7.32**
Rocker Switch - With Frame								
611-7101J51ZQE22	7101J51ZQE22	B	SPDT	On-None-On	**5.91**	**5.65**	**5.40**	**5.01**
611-7103J51ZQE22	7103J51ZQE22	B	SPDT	On-Off-On	**6.34**	**6.07**	**5.79**	**5.38**
611-7105J51ZQE22	7105J51ZQE22	B	SPDT	(On)-Off-(On)	**6.44**	**6.16**	**5.88**	**5.46**
611-7107-022	7107J51ZQE22	B	SPDT	On-Off-(On)	**6.44**	**6.16**	**5.88**	**5.46**
611-7108J51ZQE22	7108J51ZQE22	B	SPDT	On-None-(On)	**6.44**	**6.16**	**5.88**	**5.46**
611-7201J51ZQE22	7201J51ZQE22	B	DPDT	On-None-On	**7.90**	**7.55**	**7.21**	**6.69**
611-7205J51ZQE22	7205J51ZQE22	B	DPDT	(On)-Off-(On)	**8.64**	**8.26**	**7.89**	**7.32**
611-7203J51ZQE22	7203J51ZQE22	B	DPDT	On-Off-On	**8.64**	**8.26**	**7.89**	**7.32**
Lever Switch - With Frame								
611-7201J61ZQE2	7201J61ZQE22	C	DPDT	On-None-On	**7.90**	**7.55**	**7.21**	**6.69**
611-7203J61ZQE22	7203J61ZQE22	C	DPDT	On-Off-On	**8.64**	**8.26**	**7.89**	**7.32**
611-7205J61ZQE22	7205J61ZQE22	C	DPDT	(On)-Off-(On)	**8.64**	**8.26**	**7.89**	**7.32**

C&K D SERIES MINIATURE SNAP-IN POWER ROCKER SWITCHES

Specifications:
- Contact Material:
  - QA: Cu, Ag plated (UL/CSA)
  - QF: Cu, Ag top lay (UL/CSA/VDE)
- Contact Rating:
  - D10X: 4 AMPS @125 V AC; 2 AMPS @ 250 V AC
  - D50X & D60X: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC

RoHS Compliant

For quantities of 1000 or more, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit ( ) = Momentary	Contact Material	Actuator Marking	Price Each 1	25	100	500
Quick Connect										
611-D102J12S215PQA	D102J12S215PQA	D	SPST	On-None-On	QA	O -	**1.75**	**1.67**	**1.59**	**1.51**
611-D501J12S215PQA	D501J12S215PQA	D	SPDT	On-None-On	QA	O -	**2.08**	**1.99**	**1.89**	**1.79**
611-D501001	D501J12S215PQF	D	SPDT	On-None-On	QF	O -	**2.85**	**2.72**	**2.59**	**2.45**
611-D501J12S215QA	D501J12S215QA	D	SPDT	On-None-On	QA	None	**1.80**	**1.71**	**1.63**	**1.55**
611-D502J12S215PQF	D502J12S215PQF	D	SPST	On-None-Off	QF	O -	**2.63**	**2.51**	**2.39**	**2.26**
611-D502J12S215PQA	D502J12S215PQA	D	SPST	On-None-Off	QA	O -	**1.86**	**1.78**	**1.69**	**1.60**
611-D601J12S215PQA	D601J12S215PQA	E	DPDT	On-None-On	QA	O -	**3.31**	**3.16**	**3.00**	**2.85**
611-D601J12S215PQF	D601J12S215PQF	E	DPDT	On-None-On	QF	O -	**4.01**	**3.83**	**3.64**	**3.45**
611-D602J12S215PQF	D602J12S215PQF	E	DPST	On-None-Off	QF	O -	**3.79**	**3.62**	**3.44**	**3.27**
Twisted Quick Connect										
611-D105J12S205Q	D105J12S205QA	F	SPDT	(On)-Off-(On)	QA	None	**5.07**	**4.83**	**4.59**	**4.36**
611-D508J12S205QA	D508J12S205QA	F	SPDT	(On)-Off-On	QA	None	**3.32**	**3.14**	**2.87**	**2.78**
R/A PC Thru-hole										
611-D501J12S2AHQF	D501J12S2AHQF	G	SPDT	On-None-On	QF	O I	**3.62**	**3.45**	**3.28**	**3.11**
611-D501J12S2APQF	D501J12S2APQF	G	SPDT	On-None-On	QF	O -	**3.62**	**3.45**	**3.28**	**3.11**

C&K DM SERIES MINIATURE POWER ROCKER SWITCHES

Specifications:
- Contact Material:
  - Q: Cu alloy, Ag Plated
- Contact Rating: 10 AMPS @ 125 V AC; 5 AMPS @ 250 V AC

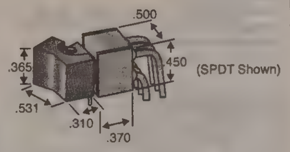
RoHS Compliant

For quantities of 1000 or more, call for quote.

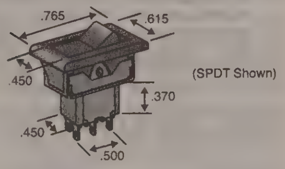
MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Termination	Contact Material	Actuator Marking	Price Each 1	25	100	500
Non-Illuminated											
611-DM61-122	DM61J12S205Q	H	DPDT	On-On	Quick Connect	Q	None	**4.24**	**4.01**	**3.67**	**3.55**
611-DM61J12S205PQ	DM61J12S205PQ	H	DPDT	On-On	Quick Connect	Q	O –	**4.51**	**4.27**	**3.90**	**3.78**
611-DM62J12S205PQ	DM62J12S205PQ	H	DPST	On-Off	Quick Connect	Q	O –	**4.14**	**3.92**	**3.58**	**3.47**
Illuminated											
611-DM54J72S205Q3	DM54J72S205Q3	I	SPST	On-Off	Quick Connect	Q	Red LED	**4.12**	**3.90**	**3.56**	**3.45**
611-DM64J72S205Q3	DM64J72S205Q3	I	DPST	On-Off	Quick Connect	Q	Red LED	**4.65**	**4.40**	**4.02**	**3.90**

DIMENSIONS: In.

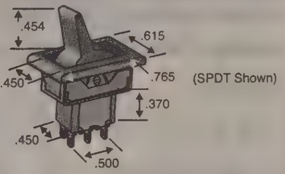
A



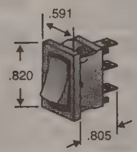
B



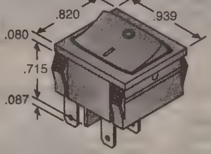
C



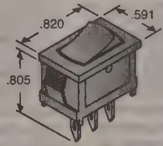
D



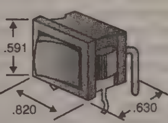
E



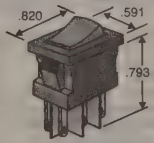
F



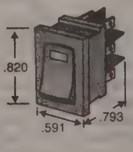
G



H



I



CHERRY Rocker Switches

This page of product is compliant.

CHERRY MINIATURE ROCKER SWITCHES

Specifications:
- Dielectric Strength: 1000 VAC for 1 minute
- Insulation Resistance: 10^8 Ω min at 500VDC
- All part numbers have a black bezel.
- .187" Q.C. Terminals

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color/ Legend	Price Each			
					1	50	100	250
FR Series - Power Rating: 12A 125/250VAC (UL, cUL) 16A (4) 250V~, T125/55 (VDE)								
540-FRH32A2BBBNN	FRH32A2BBBNN	A	DPST On-Off	Black / Blank	1.08	.86	.71	.65
540-FRH32A2DBBNN	FRH32A2DBBNN	A	DPST On-Off	Black / ON OFF	1.08	.86	.71	.65
540-FRH33A2BBBNN	FRH33A2BBBNN	A	DPST On-On	Black / Blank	1.22	.98	.81	.73
LR Series - Power Rating: 10A 125VAC and 8A 250VAC								
540-LRA32H2FBBNN	LRA32H2FBBNN	B	DPST On-Off	Black / O -	.96	.77	.64	.58
540-LRA22H2BBRLN	LRA22H2BBRLN	B	SPST On-Off	Red Illuminated / Blank	1.10	.88	.72	.66
540-LRA32H2BBRLN	LRA32H2BBRLN	B	DPST On-Off	Red Illuminated / Blank	1.18	.94	.78	.71
SR Series - Power Rating: 10A 125VAC and 6A 250VAC								
540-SRB22A2FBBNN	SRB22A2FBBNN	C	SPST On-Off	Black / O -	.75	.60	.50	.45
540-SRB23A2BBBNN	SRB23A2BBBNN	C	SPDT On-On	Black / Blank	.80	.64	.53	.48
540-SRB24A2HBBNN	SRB24A2HBBNN	C	SPDT On-Off-On	Black / I O II	.94	.75	.62	.56
540-SRB22A2DBBNN	SRB22A2DBBNN	C	SPST On-Off	Black / ON OFF	.72	.58	.48	.43

CHERRY POWER ROCKER SWITCHES

Specifications:
- Dielectric Strength: 1000VAC for 1 minute
- Insulation Resistance: 10^8 Ω min at 500VDC
- All part numbers have a black bezel.
- .250" Q.C. Terminals

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color/ Legend	Price Each			
					1	50	100	250
CR Series - Power Rating: 20A 125VAC and 16A 250VAC								
540-CRE22F2FBBNE	CRE22F2FBBNE	D	SPST On-Off	Black / O -	.91	.73	.60	.55
540-CRE22F4BBBNE	CRE22F4BBBNE	D	SPST On-Off	Black-Red / Blank	.94	.75	.62	.56
540-CRE24F2HBBNE	CRE24F2HBBNE	D	SPDT On-Off-On	Black / I O II	1.02	.81	.67	.61
540-CRE22F2BBRLE	CRE22F2BBRLE	D	SPST On-Off	Red Illuminated / Blank	1.15	.92	.76	.69
PR Series - Power Rating: 6A 125VAC and 3A 250VAC								
540-PRK22J5BBBNN	PRK22J5BBBNN	E	SPST On-Off	Black / Blank	1.03	.82	.68	.62
540-PRK22J5DBBNN	PRK22J5DBBNN	E	SPST On-Off	Black / On-Off	1.03	.82	.68	.62
TR Series - Power Rating: 16A 125VAC and 16A 250VAC								
540-TRG22F2FBBNN	TRG22F2FBBNN	F	SPST On-Off	Black / O -	1.02	.81	.67	.61
WR Series - Power Rating: 16A 125VAC and 16A 250VAC								
540-WRG32F2FBBNN	WRG32F2FBBNN	G	DPST On-Off	Black / O -	1.34	1.07	.88	.80

CHERRY ROUND ROCKER SWITCHES

Specifications:
- Dielectric Strength: 1000VAC for 1 minute
- Insulation Resistance: 10^8 Ω min at 500VDC
- .187" Q.C. Terminals

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color/ Legend	Bezel Color	Lamp	Price Each			
							1	50	100	250
RR Series - Power Rating: 10A 125VAC and 8A 250VAC										
540-RRA22H3BBBNN	RRA22H3BBBNN	H	SPST On-Off	Black / Blank	Black	----	.96	.77	.64	.58
540-RRA22H3BWWNN	RRA22H3BWWNN	H	SPST On-Off	White / Blank	White	----	.96	.77	.64	.58
540-RRA22H3BWRNN	RRA22H3BWRNN	H	SPST On-Off	Red / Blank	White	----	.96	.77	.64	.58
540-RRA22H3FBRNN	RRA22H3FBRNN	H	SPST On-Off	Red / O -	Black	----	.96	.77	.64	.58
540-RRA32H3FBBNN	RRA32H3FBBNN	H	DPST On-Off	Black / O -	Black	----	1.45	1.16	.95	.87
540-RRA22H3BBRLN	RRA22H3BBRLN	H	SPST On-Off	Red Illuminated / Blank	Black	125VAC	1.31	1.05	.86	.79
540-RRA22H3BBGLN	RRA22H3BBGLN	H	SPST On-Off	Green Illuminated / Blank	Black	125VAC	1.31	1.05	.86	.79
540-RRA22H3BBALN	RRA22H3BBALN	H	SPST On-Off	Amber Illuminated / Blank	Black	125VAC	1.31	1.05	.86	.79
540-RRA32H3BBRLN	RRA32H3BBRLN	H	DPST On-Off	Red Illuminated / Blank	Black	125VAC	1.74	1.39	1.15	1.04
540-RRA22H3BBRGN	RRA22H3BBRGN	H	SPST On-Off	Red Illuminated / Blank	Black	6VDC	1.31	1.05	.86	.79
540-RRA22H3BBRHN	RRA22H3BBRHN	H	SPST On-Off	Red Illuminated / Blank	Black	12VDC	1.31	1.05	.86	.79
SR Series - Power Rating: 20A 125VAC and 12A 250VAC										
540-SRJ22A3BBBNN	SRJ22A3BBBNN	I	SPST On-Off	Black / Blank	Black	----	1.10	.88	.73	.66
540-SRJ23A3BBBNN	SRJ23A3BBBNN	I	SPST On-On	Black / Blank	Black	----	1.30	1.04	.86	.78
540-SRJ24A3BBBNN	SRJ24A3BBBNN	I	SPDT On-Off-On	Black / Blank	Black	----	1.38	1.10	.91	.83
540-SRJ24A3HBBNN	SRJ24A3HBBNN	I	SPDT On-Off-On	Black / I O II	Black	----	1.33	1.06	.87	.80

CHERRY COMPACT ROCKER SWITCHES

Specifications:
- Dielectric Strength: 1000VAC for 1 minute
- Insulation Resistance: 10^8 Ω min at 500VDC
- All Part numbers have a black Bezel

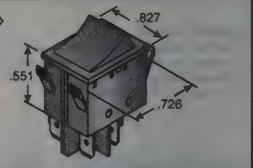
RoHS Compliant

For quantities of 500 and up, call for quote.

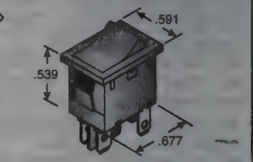
MOUSER STOCK NO.	Cherry Part No.	Fig.	Circuit	Rocker Color/ Legend	Termination	Price Each			
						1	50	100	250
GR Series - Rating: 15A 125VAC and 10A 250VAC									
540-GRF22N2BBBNN	GRF22N2BBBNN	J	SPST On-Off	Black / Blank	.250 Q.C.	.75	.60	.50	.45
540-GRF22N2FBBNN	GRF22N2FBBNN	J	SPST On-Off	Black / O -	.250 Q.C.	.75	.60	.50	.45
540-GRF23N2BBBNN	GRF23N2BBBNN	J	SPST On-On	Black / Blank	.250 Q.C.	.83	.66	.55	.50
540-GRF22N2BBRLN	GRF22N2BBRLN	J	SPST On-Off	Red Illuminated / Blank	.250 Q.C.	1.04	.83	.69	.63
540-GRF22W2BBBNN	GRF22W2BBBNN	J	SPST On-Off	Black / Blank	Wire Lead 16 AWG	1.10	.88	.72	.66
540-GRF23W2BBBNN	GRF23W2BBBNN	J	SPST On-On	Black / Blank	Wire Lead 16 AWG	1.37	1.09	.90	.82
540-GRF22N2DBBNN	GRF22N2DBBNN	J	SPST On-Off	Black / Off On	.250 Q.C.	.75	.60	.50	.45

DIMENSIONS: In.

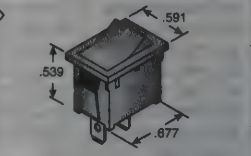
A



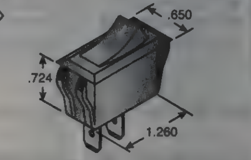
B



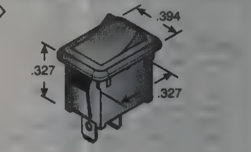
C



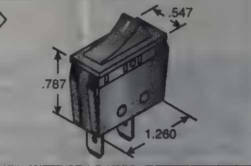
D



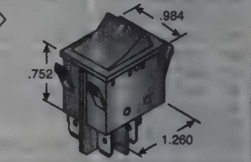
E



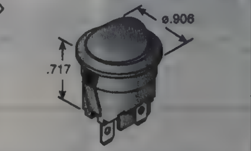
F



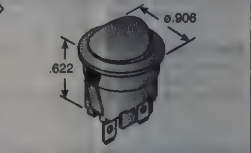
G



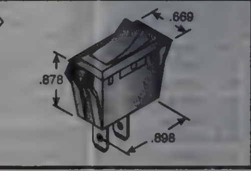
H



I



J



CW INDUSTRIES Rocker Switches

INDUSTRIES
An ISO 9001 Company

RoHS Compliant **This page of product is compliant.**

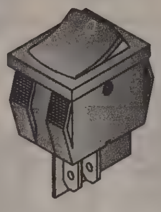
CW INDUSTRIES MINIATURE ROCKER INDICON SWITCHES

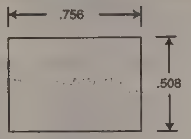
DIMENSIONS: in.

Specifications:
- Contact Resistance: <.01 @ 10mA
- Operating Temperature: 65C max.
- Rating: 16A 125 VAC
- Housing and actuator material: Nylon
- Terminals and contact material: Copper
- Terminal Type: .187" QC
- Actuator: Black with Red Indicator

Features:
- High current switching
- Markings are hot stamped
- Crisp detent action
- Self cleaning contacts

RoHS Compliant





For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Type	Circuit	Button	Price Each			
					1	10	25	50
629-GRS-4011-0138	GRS-4011-0138	SPST	On-Off	None	.97	.94	.87	.82
629-GRS-4011-0139	GRS-4011-0139	SPST	On-Off	Vert. On/Off	1.01	.98	.91	.85
629-GRS-4011-0140	GRS-4011-0140	SPST	On-Off	Vert. I/O	1.01	.98	.91	.85
629-GRS-4012-0065	GRS-4012-0065	SPDT	On-On	None	1.05	1.01	.94	.88
629-GRS-4021-0035	GRS-4021-0035	DPST	On-Off	None	1.32	1.27	1.18	1.11

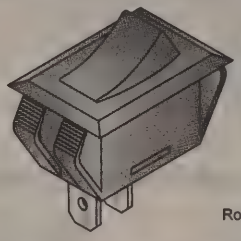
CW INDUSTRIES STANDARD ROCKER SWITCHES

DIMENSIONS: in.

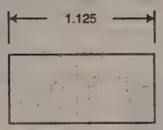
Specifications:
- Contact Resistance: < .01Ω @ 10mA
- Operating Temperature: 105°C max.
- Dielectric Strength: 2,500V, 60Hz for 1 minute
- Housing and actuator material: nylon
- Terminal and contact material: copper
- Terminal Type: .250" QC

- Illuminated style has 120VAC neon bulb
- Markings are hot stamped

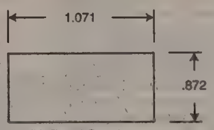
Features:
- Crisp detent action
- Self cleaning contacts
- High current switching
- All 16A and non-illuminated have UL, CSA, and VDE approvals
- All 13A and illuminated have UL, CSA approvals



RoHS Compliant



SP Panel Opening



DP Panel Opening

( ) = Momentary

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Type	Circuit	Current Rating	Button Color	Button Marking	Price Each			
							1	10	25	50
629-GRL20111600	GRL-2011-1600	SPST-NO	On-Off	16A	Red illum.	None	1.99	1.91	1.77	1.67
629-GRS20112019	GRS-2011-2019	SPST-NO	On-Off	16A	Red	None	.94	.90	.84	.78
629-GRS20112080	GRS-2011-2080	SPST-NO	On-Off	16A	Black	Vertical I/O	1.04	1.01	.93	.88
629-GRS2011C2000	GRS-2011C-2000	SPST-NC	On-Mom	13A	Black	None	.92	.88	.82	.77
629-GRS201126	GRS-2011-2600	SPST	On-Off	16A	Black	None	.94	.90	.84	.78
629-GRS2011B2	GRS-2011B-2000	SPST-NO	Off-Mom	13A	Black	None	.92	.89	.82	.77
629-GRS201226	GRS-2012-2600	SPDT	On-Off	16A	Black	None	1.12	1.08	1.00	.94
629-GRS20122028	GRS-2012-2028	SPDT	On-On	16A	Black	Vertical I/O	1.15	1.11	1.03	.97
629-GRS20123000	GRS-2012-3000	SPDT	On-On	16A	Black	None	1.01	.97	.90	.85
629-GRS2013A26	GRS-2013A-2600	SPDT	On-Off-On	16A	Black	None	1.30	1.25	1.16	1.09
629-GRS2013C13	GRS-2013C-1300	SPDT	(On)-Off-(On)	13A	Black	None	1.21	1.17	1.08	1.02
629-GR20220007	GR-2022-0007	DPDT	On-On	16A	Black	Vertical I/O	2.55	2.46	2.28	2.14
629-GR20221600	GR-2022-1600	DPDT	On-On	16A	Black	None	2.42	2.33	2.16	2.03

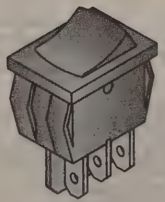
CW INDUSTRIES MINIATURE ROCKER SWITCHES

DIMENSIONS: in.

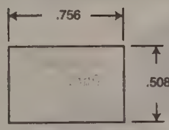
Specifications:
- Contact Resistance: < .01Ω @ 10mA
- Operating Temperature: 105°C max.
- Dielectric Strength: 2,500V, 60Hz for 1 min.
- Housing and knob material: nylon
- Terminal and contact material: copper
- Terminal Type: .187" QC, except GRS-4011-0024 which is solder

- Illuminated style has 120VAC neon bulb
- Markings are hot stamped

Features:
- Crisp detent action
- Self cleaning contacts
- High current switching
- All 16A and non-illuminated have UL, CSA, and VDE approvals
- All 13A and illuminated have UL, CSA approvals



RoHS Compliant



Panel Opening

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Type	Circuit	Current Rating	Button Color	Button Marking	Price Each			
							1	10	25	50
629-GRS401116	GRS-4011-1600	SPST	On-Off	16A	Black	None	.97	.93	.86	.81
629-GRS401140	GRS-4011-0040	SPST	On-Off	16A	Red	None	.97	.93	.86	.81
629-GRS40110024	GRS-4011-0024	SPST	On-Off	16A	Black	None	1.40	1.35	1.25	1.17
629-GRL40111600	GRL-4011-1600	SPST	On-Off	16A	Red Illum.	None	2.46	2.37	2.20	2.06
629-GRS40110068	GRS-4011-0068	SPST	On-Off	16A	Black	Horiz I/O	1.11	1.07	1.00	.94
629-GRS401176	GRS-4011-0076	SPST	On-Off	16A	Black	Vert I/O	1.01	.97	.90	.85
629-GRS4011B13	GRS-4011B-1300	SPST	Off-Mom	13A	Black	None	1.14	1.10	1.02	.96
629-GRS40120047	GRS-4012-0047	SPDT	On-On	16A	Black	Vert I/O	1.19	1.15	1.07	1.00
629-GRS4013A0008	GRS-4013A-0008	SPDT	On-Off-On	13A	Red	None	1.33	1.28	1.19	1.12
629-GRS401216	GRS-4012-1600	SPDT	On-On	16A	Black	None	1.05	1.01	.94	.88
629-GRS401226	GRS-4012-0026	SPDT	On-On	16A	Red	None	1.05	1.01	.94	.88
629-GRS4013A13	GRS-4013A-1300	SPDT	On-Off-On	13A	Black	None	1.33	1.28	1.19	1.12
629-GRS4013C01	GRS-4013C-0001	SPDT	(On)-Off-(On)	13A	Black	None	1.31	1.26	1.17	1.10
629-GRS4021B	GRS-4021B-0000	DPST	Off-(On)	13A	Black	None	1.56	1.51	1.40	1.31
629-GRS4023A0009	GRS-4023A-0009	DPDT	On-Off-On	13A	Red	None	1.78	1.71	1.59	1.49
629-GRS4023C0005	GRS-4023C-0005	DPDT	(On)-Off-(On)	13A	Red	None	1.78	1.71	1.59	1.49
629-GRS402216	GRS-4022-1600	DPDT	On-On	16A	Black	None	1.41	1.36	1.26	1.18
629-GRS402210	GRS-4022-0010	DPDT	On-On	16A	Red	None	1.49	1.44	1.33	1.25
629-GRS402213	GRS-4022-0013	DPDT	On-On	16A	Black	Vert I/O	1.50	1.45	1.34	1.26
629-GRS4023A13	GRS-4023A-1300	DPDT	On-Off-On	13A	Black	None	1.67	1.61	1.49	1.40
629-GRS4023C13	GRS-4023C-1300	DPDT	(On)-Off-(On)	13A	Black	None	1.67	1.61	1.49	1.40

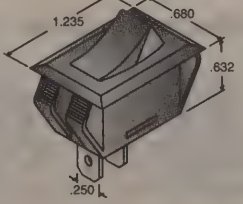
CW INDUSTRIES INDICON™ ROCKER SWITCHES

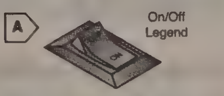
DIMENSIONS: in.

Specifications:
- Ratings: 16A 125VAC; 12A 250VAC
- Housing and knob material: nylon
- Terminal and contact material: copper

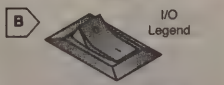
Features:
- Two-color knob provides positive indication of switch position
- Economical alternative to expensive lighted switches

RoHS Compliant

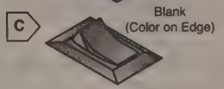




On/Off Legend



I/O Legend



Blank (Color on Edge)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Fig.	Type	Indicator Color	Panel Openings	Price Each			
						1	10	25	50
629-AA111B11	NAA-111-BI11-00	A	SPST	Red	1.125 x .550	.89	.86	.79	.74
629-AA211B11	NAA-211-BI11-00	A	SPST	Red	1.072 x .480	.89	.86	.79	.74
629-AA211B21	NAA-211-BI21-00	B	SPST	Red	1.072 x .480	.89	.86	.79	.74
629-AA111B21	NAA-111-BI21-00	B	SPST	Red	1.125 x .550	.89	.86	.79	.74
629-AA111B31	NAA-111-BI31-00	C	SPST	Red	1.125 x .550	.89	.86	.79	.74
629-AA211B31	NAA-211-BI31-00	C	SPST	Red	1.072 x .480	.89	.86	.79	.74
629-BA111B31	NBA-111-BI31-00	C	SPDT	Red	1.125 x .550	1.07	1.03	.96	.90
629-BA211B31	NBA-211-BI31-00	C	SPDT	Red	1.072 x .480	1.07	1.03	.96	.90

E-SWITCH Rocker Switches

E-SWITCH R1966 SERIES ROCKER SWITCHES

Specifications:
- Contact resistance: <10 mΩ
- Rating: 15A @ 125V
- Dielectric strength: >1500V for one minute, >3000V between poles
- Electric life: 10,000 cycle
- Mechanical life: 15,000 cycles
- Insulation resistance: >1,000 MΩ
- Contact form: SPST

Features:
- Black semi-gloss finish
- Contact material: coin silver, silver plated
- terminal material: silver plated copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit	Housing	Actuator	Price Each			
						1	10	50	100
Faston Terminal									
612-R1966ABKBKEF	R1966ABLKBLKEF	A	On-Off	Black	Black	1.43	1.29	1.10	.86
612-R1966FBKBKEF	R1966FBLKBLKEF	A	(On)-Off	Black	Black	2.05	1.84	1.57	1.23
612-R1966ABLKBLKIF	R1966ABLKBLKIF	B	On-Off	Black	Black	1.43	1.29	1.10	.86
612-R1966ABKBKFF	R1966ABLKBLKFF	C	On-Off	Black	Black	1.43	1.29	1.10	.86
612-R1966AGYGYFF	R1966AGRYGRYFF	C	On-Off	Gray	Gray	1.43	1.29	1.10	.86
612-R1966AWTWTFF	R1966AWHTWHTFF	C	On-Off	White	White	1.43	1.29	1.10	.86
612-R1966ABKBKGF	R1966ABLKBLKGF	D	On-Off	Black	Black	1.43	1.29	1.10	.86
612-R1966AGYGYGF	R1966AGRYGRYGF	D	On-Off	Gray	Gray	1.43	1.29	1.10	.86
*612-R1966DBKBKCF	R1966DBLKBLKCF	E	On-Off-On	Black	Black	1.43	1.29	1.10	.86
Solder Terminal									
612-R1966ABLKBLKES	R1966ABLKBLKES	A	On-Off	Black	Black	1.43	1.29	1.10	.86
612-R1966ABKBKIS	R1966ABLKBLKIS	B	On-Off	Black	Black	1.43	1.29	1.10	.86
612-R1966ABKBKFS	R1966ABLKBLKFS	C	On-Off	Black	Black	1.43	1.29	1.10	.86
612-R1966ABKBKGS	R1966ABLKBLKGS	D	On-Off	Black	Black	1.43	1.29	1.10	.86
R/A PCB Terminal									
612-R1966ABKBKFR	R1966ABLKBLKFR	F	On-Off	Black	Black	1.87	1.68	1.43	1.12
612-R1966ABKBKGR	R1966ABLKBLKGR	G	On-Off	Black	Black	1.43	1.29	1.10	.86

*Contact form: SPDT

E-SWITCH R1966 SERIES ILLUMINATED ROCKER SWITCHES

Specifications:
- Contact resistance: <10 mΩ
- Rating: 15A @ 125V
- Dielectric strength: >1500V for one minute, >3000V between poles
- Electric life: 10,000 cycles
- Mechanical life: 15,000 cycles
- Insulation resistance: >100MΩ
- Contact form: SPST

Features:
- Contact material: coin silver, silver plated
- Terminal material: Silver plated copper alloy

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Circuit	LED Color	Terminal	Price Each			
						1	10	50	100
612-R1966ABKBKEFR	R1966ABLKBLKEFRED	H	On-Off	Red	Faston	2.70	2.43	2.07	1.62
612-R1966ABKBKEFG	R1966ABLKBLKEFGRN	H	On-Off	Green	Faston	2.70	2.43	2.07	1.62
612-R1966ABKBKEFY	R1966ABLKBLKEFYEL	H	On-Off	Yellow	Faston	2.70	2.43	2.07	1.62
612-R1966ABKBKESR	R1966ABLKBLKESRED	H	On-Off	Red	Solder	2.70	2.43	2.07	1.62
612-R1966ABKBKESG	R1966ABLKBLKESGRN	H	On-Off	Green	Solder	2.70	2.43	2.07	1.62
612-R1966ABKBKESY	R1966ABLKBLKESYEL	H	On-Off	Yellow	Solder	2.70	2.43	2.07	1.62
612-R1966ABKBKER	R1966ABLKBLKERRED	H	On-Off	Red	R/A PCB	2.70	2.43	2.07	1.62

E-SWITCH R5 SERIES ROCKER SWITCHES

Specifications:
- Contact resistance: 20 mΩ initially
- Dielectric strength: >1500V for one minute, >3000V between poles
- Contact rating: 10A @ 250VAC, 15A @ 125VAC
- Mechanical life: >30,000 cycles
- Electrical life: >10,000 cycles
- Faston termination

Features:
- Black housing
- Contact material: Coin silver, silver plated

Non-Illuminated Switches

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Actuator	Price Each			
						1	10	50	100
612-R5ABLKBLKEF0	R5ABLKBLKEF0	I	DPST	On-Off	Black	1.92	1.73	1.47	1.15
612-R5CBLKBLKEF0	R5CBLKBLKEF0	I	DPDT	On-On	Black	2.40	2.16	1.84	1.44
612-R5DBLKBLKEF0	R5DBLKBLKEF0	I	DPDT	On-Off-On	Black	3.15	2.84	2.42	1.89
612-R5ABLKBLKFF0	R5ABLKBLKFF0	J	DPST	On-Off	Black	1.92	1.73	1.47	1.15
612-R5DBLKBLKCF0	R5DBLKBLKCF0	K	DPDT	On-Off-On	Black	3.15	2.84	2.42	1.89
612-R5DBLKBLKHF0	R5DBLKBLKHF0	L	DPDT	On-Off-On	Black	3.15	2.84	2.42	1.89

Illuminated Switches

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Actuator	Price Each			
						1	10	50	100
Neon Bulb Lamp Type with 125VAC									
612-R5BBLKREDEF1	R5BBLKREDEF1	I	DPST	On-Off	Red	3.15	2.84	2.42	1.89
612-R5BBLKGRNEF1	R5BBLKGRNEF1	I	DPST	On-Off	Green	3.15	2.84	2.42	1.89
612-R5BBLKREDFF1	R5BBLKREDFF1	J	DPST	On-Off	Red	3.15	2.84	2.42	1.89
612-R5BBLKGRNFF1	R5BBLKGRNFF1	J	DPST	On-Off	Green	3.15	2.84	2.42	1.89
Neon Bulb Lamp Type with 250VAC									
612-R5BBLKREDFF2	R5BBLKREDFF2	J	DPST	On-Off	Red	3.15	2.84	2.42	1.89
612-R5BBLKGRNFF2	R5BBLKGRNFF2	J	DPST	On-Off	Green	3.15	2.84	2.42	1.89
Incandescent Bulb Lamp Type with 12VDC									
612-R5BBLKREDFF3	R5BBLKREDFF3	J	DPST	On-Off	Red	3.15	2.84	2.42	1.89
612-R5BBLKGRNFF3	R5BBLKGRNFF3	J	DPST	On-Off	Green	3.15	2.84	2.42	1.89

E-SWITCH RR SERIES ROCKER SWITCHES

Specifications:
- Contact rating: 10A @125V, 6A 250VAC
- Contact resistance: 50m Ω max.

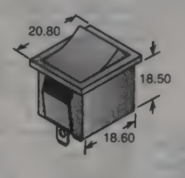
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Termination	Price Each			
						1	10	50	100
612-RR3130A	RR3130ANOMARKING	M	SPST	On-Off	Solder	3.06	2.75	2.35	1.84
612-RR3130B	RR3130BNOMARKING	M	DPDT	On-On	Solder	4.62	4.16	3.54	2.77
*612-RR3112ABLKBLKNAF	RR3112ABLKBLKNAF0	N	SPST	On-Off	Faston	1.56	1.40	1.20	.94

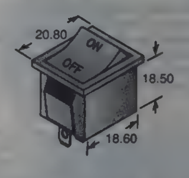
*Dot marking

DIMENSIONS: mm

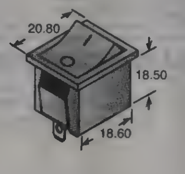
A



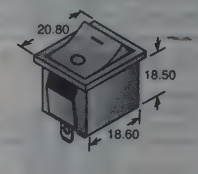
B



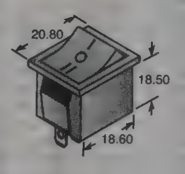
C



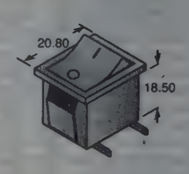
D



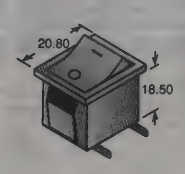
E



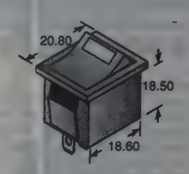
F



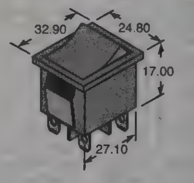
G



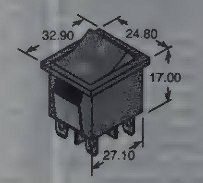
H



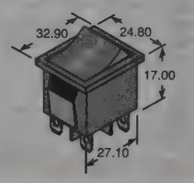
I



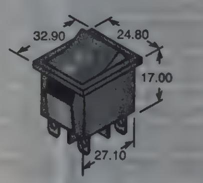
J



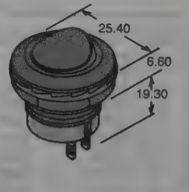
K



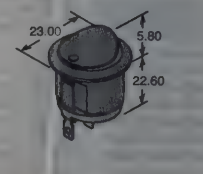
L



M



N



MOUNTAIN SWITCH Rocker Switches

SEALED SUB-MINIATURE ROCKER SWITCHES

- Rating: 1A/250VAC,3A/120VAC or 28VDC
- Contact Resistance: 20mΩ max.,
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
103-7024-EVX	A	SPDT	On-On	4.07	3.79	2.97	2.64
103-7025-EVX	B	SPDT	On-On	5.29	4.81	3.70	3.13
103-7027-EVX	B	SPDT	On-Off-On	5.56	5.25	3.95	2.95

SEALED MINIATURE ROCKER SWITCHES

- Rating: 2A/250VAC,5A/120VAC or 28VDC
- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
103-7013-EVX	C	SPDT	On-On	4.07	3.79	2.97	2.64
103-7015-EVX	C	SPDT	On-(On)	5.29	4.81	3.70	3.13
103-7017-EVX	C	SPDT	On-Off-On	5.29	4.81	3.70	3.13
103-7020-EVX	D	DPDT	On-On	4.07	3.79	2.97	2.64
103-7022-EVX	D	DPDT	On-(On)	7.60	6.90	5.25	4.45
103-7018-EVX	E	SPDT	(On)-Off-(On)	7.60	6.90	5.25	4.45

MINIATURE ROCKER SWITCHES

- Rating: 2A/250VAC,5A/120VAC or 28VDC
- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
103-7007-EVX	F	SPDT	On-On	4.00	3.72	2.89	2.69
103-7005-EVX	G	SPDT	On-On	4.65	4.23	3.22	2.96
103-7012-EVX	H	DPDT	On-On	3.04	2.89	2.53	2.37
103-7003-EVX	I	3PDT	On-On	7.60	6.90	5.25	4.45
103-7006-EVX	J	SPDT	On-On	3.04	2.89	2.53	2.37

ILLUMINATED ROCKER SWITCHES

Specifications:

- Body Color: Black
- Terminal Type: Solder
- 2VDC LED (included), except on Fig. A 10DS322 has a 110VAC neon lamp with internal dropping resistor

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating (AC)	Button Color	Mtg. Hole (in.)	Price Each			
							1	10	100	500
10DS322	K	SPST	On-Off	15A/125V	Amber	1.12x.55	3.65	3.51	3.38	3.24
107-DS850K-0R	L	SPST	On-Off	5A/125V	Red LED	.51x.76	2.53	2.43	2.34	2.25
107-DS850K-0G	L	SPST	On-Off	5A/125V	Green LED	.51x.76	2.53	2.43	2.34	2.25

ROCKER SWITCHES

Specifications:

- Insulation Resistance: 100MΩ min. / 500VDC
- Contact Resistance: 20mΩ / 1A 2.5VDC
- Dielectric Strength: 1500VAC for 1 minute
- Thread Pitch: M18 x 1 (Fig.'s D & E)
- Frame Color: Black

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating (AC)	Button Color	Mtg. Hole (in.)	Price Each			
							1	10	100	500
Solder Terminals										
10DS388	M	SPST	On-Off	6A/125V	White	.71	1.93	1.86	1.78	1.71
10DS389	M	SPDT	On-On	6A/125V	White	.71	2.31	2.23	2.14	2.06
10DS390	M	DPDT	On-On	6A/125V	White	.71	3.16	3.05	2.93	2.81
107-DS850K-00	N	SPST	On-Off	5A/125V	Black	.76x.51	1.29	1.24	1.19	1.15
107-DS850K-01	N	SPST	On-Off	5A/125V	White Dot	.76x.51	1.32	1.27	1.22	1.17
107-DS850K-02	O	SPST	On-Off	5A/125V	On-Off	.75x.51	1.40	1.35	1.29	1.24
.187" QC Terminals										
107-DS850S-22	P	DPST	On-Off	10A/250V	On-Off	.75x.51	2.47	2.38	2.29	2.20
107-DS850S-23	P	DPST	On-Off	10A/250V	I/O	.75x.51	2.47	2.38	2.29	2.20

Specifications:

- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100MΩ min.
- Dielectric Strength: 1500VAC for 1 minute

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Price Each			
					1	10	100	500
.250" QC Terminals								
103-R13-70A-EV	Q	SPST	On-Off	16A/125V	1.67	1.39	1.27	1.15
103-R13-91A-EV	R	SPST	On-Off	16A/125V	1.51	1.25	1.14	1.04
.187" QC Terminals								
103-R13-73A-EV	S	DPST	On-Off	10A/125V	2.03	1.69	1.54	1.40

Specifications:

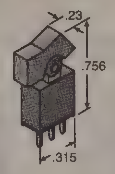
- Insulation Resistance: 100MΩ min.
- Dielectric Strength: 1500VAC for 1 minute
- Frame Color: Black

For quantities of 1000 and up, call for quote.

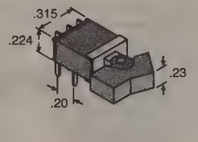
MOUSER STOCK NO.	Fig.	Type	Circuit	Button Color	Rating	Price Each			
						1	10	100	500
Solder Terminals									
10DS059SWD-B	T	DPST	On-Off	Black	5A/125 VAC	2.00	1.75	1.66	1.59
10DS059SWD-R	T	DPST	On-Off	Red	5A/125 VAC	2.00	1.75	1.66	1.59

DIMENSIONS: in.

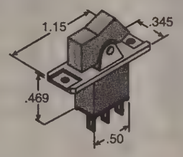
A



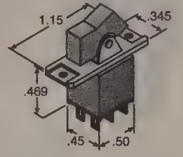
B



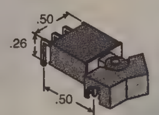
C



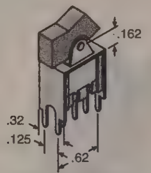
D



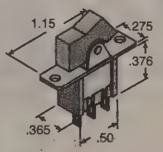
E



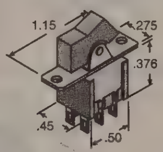
F



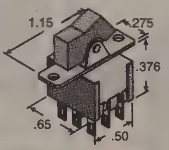
G



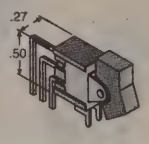
H



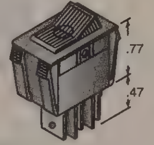
I



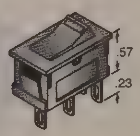
J



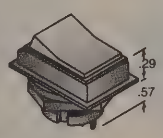
K



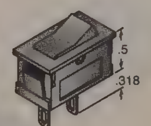
L



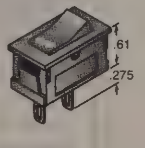
M



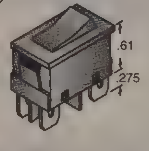
N



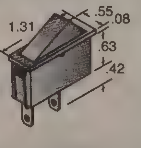
O



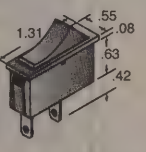
P



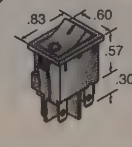
Q



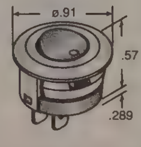
R



S



T



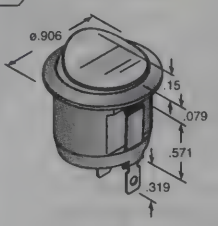
MOUNTAIN SWITCH Rocker Switches

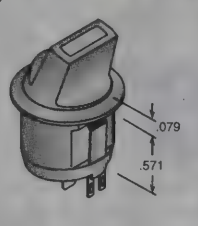
Mountain Switch ROCKER SWITCHES

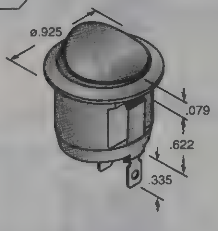
Features:
- Material: Frames are nylon (UL flame: 94V-2). Terminals are silver plated brass.
- Illuminated actuators are molded in PC, available with red, yellow, and green colors.

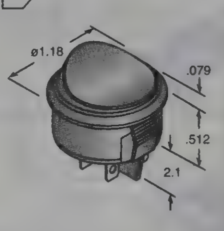
Specifications:
- Contact Resistance: 50mΩ
- Insulation Resistance: 500VDC 100MΩ min.
- Dielectric Strength: 1500VAC 1 minute
- Neon Illumination: 125VAC w/ 33kΩ dropping resistor
- LED Illumination: LED rating 10mA Vf=1.85V

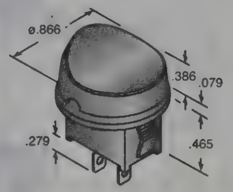
DIMENSIONS: In.

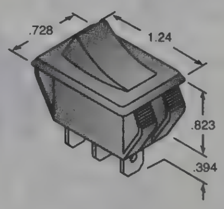
A


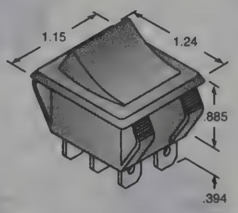
B


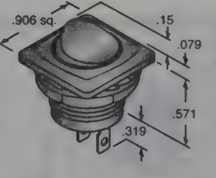
C


D


E


F


G


H


Snap-In Mounting

- Easy to install switch into panel
- Rating: 16A/125VAC, 10A/250VAC
- Terminal Type: .187" QC

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	100	500	1000
103-R13-112A-02-EV	A	Black	SPST	On-Off	.99	.91	.83	.75	.62
103-R13-112B-02R-EV	A	Red Illuminated / Neon	SPST	On-Off	1.29	1.15	1.03	.94	.84
103-R13-112B-02G-EV	A	Green Illuminated / Neon	SPST	On-Off	1.29	1.15	1.03	.94	.84
103-R13-112B2-02R-EV	A	Red Spot Illuminated / Neon	SPST	On-Off	1.39	1.25	1.13	.99	.90
103-R13-112C-02-EV	A	Black	SPDT	On-On	1.14	1.02	.92	.83	.76
103-R13-112D-02-EV	A	Black	SPDT	On-Off-On	1.19	1.07	.96	.87	.79

RoHS Compliant

- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: .187" QC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	100	500	1000
103-R13-112LP-02Y-EV	B	Yellow Paddle End / LED	SPST	On-Off	1.95	1.79	1.59	1.39	1.28
103-R13-112LP-02G-EV	B	Green Paddle End / LED	SPST	On-Off	1.95	1.79	1.59	1.39	1.28

RoHS Compliant

- Rating: 16A/125VAC, 10A/250VAC, 10(4)A/250VAC
- Terminal Type: .187" QC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	100	500	1000
103-R13-244C-02-EV	C	Black	DPDT	On-On	1.88	1.81	1.74	1.65	1.60
103-R13-244D-02-EVX	C	Black	DPDT	On-Off-On	1.88	1.81	1.74	1.65	1.60

RoHS Compliant

- Rating: 8A/125VAC/250VAC
- Terminal Type: .187" QC

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	100	500	1000
103-R13-245A-02-EV	D	Black	DPST	On-Off	1.90	1.83	1.75	1.68	1.61
103-R13-245B-02R-EV	D	Red Illuminated / Neon	DPST	On-Off	2.04	1.97	1.89	1.79	1.73
103-R13-245D-02-EV	D	Black	DPDT	On-Off-On	2.14	2.06	1.99	1.89	1.83

RoHS Compliant

- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: .187" QC

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	100	500	1000
103-R13-211C-02-EV	E	Black	SPDT	On-On	1.13	1.08	1.02	.92	.87
103-R13-211D-02-EV	E	Black	SPDT	On-Off-On	1.24	1.19	1.11	.99	.95

RoHS Compliant

- Rating: 16A/125VAC, 10A/250VAC
- Terminal Type: .250" QC

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	100	500	1000
103-R13-205A3-01-EV	F	Black	SPST	On-Off	1.14	1.02	.92	.83	.75
103-R13-205B-01R-EV	F	Red Illuminated / Neon	SPST	On-Off	1.49	1.42	1.35	1.21	1.15

RoHS Compliant

- Rating: 16A/125VAC 1/3HP, 10A/250VAC 1/2HP
- Terminal Type: .250" QC

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	100	500	1000
103-R13-240A-01-EV	G	Black	DPST	On-Off	1.53	1.39	1.26	1.15	1.06
103-R13-240B-01R-EV	G	Red Illuminated / Neon	DPST	On-Off	2.10	1.91	1.74	1.58	1.45
103-R13-240C-01-EV	G	Black	DPDT	On-On	1.94	1.77	1.61	1.46	1.34

Screw Type Mounting

- Easy to install switch into panel
- Rating: 16A/125VAC, 10A/250VAC
- Terminal Type: .187" QC

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each				
					1	10	100	500	1000
103-R13-135A-02-EV	H	Black	SPST	On-Off	1.18	1.09	1.02	.89	.82
103-R13-135A2-02-EV	H	Black / Red Indicator	SPST	On-Off	1.29	1.20	1.13	.99	.92
103-R13-135C-02-EV	H	Black	SPDT	On-On	1.39	1.31	1.24	1.09	1.03
103-R13-135D-02-EV	H	Black	SPDT	On-Off-On	1.49	1.42	1.36	1.21	1.15
103-R13-135B-02R-EV	H	Red Illuminated / Neon	SPST	On-Off	1.76	1.68	1.61	1.49	1.42
103-R13-135B-02G-EV	H	Green Illuminated / Neon	SPST	On-Off	1.76	1.68	1.61	1.49	1.42
103-R13-135B2-02R-EV	H	Red Spot Illuminated / Neon	SPST	On-Off	1.86	1.78	1.71	1.59	1.52

MOUNTAIN SWITCH Rocker Switches

ILLUMINATED ROCKER SWITCHES

Specifications:
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500VDC 100MΩ min.

RoHS Compliant

Rating: 8A/125 VAC, 8A/250 VAC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each			
					1	10	100	500
103-7062-EV	A	Red	SPST	On-Off	2.21	2.01	1.82	1.66

RoHS Compliant

Rating: 15A/125 VAC, 10A/250 VAC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each			
					1	10	100	500
103-7072-EV	B	Green	SPST	On-Off	1.73	1.57	1.43	1.30

RoHS Compliant

Rating: 16A/125 VAC, 10A/250 VAC

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each			
					1	10	100	500
103-7079-EV	C	Red	DPST	On-Off	1.94	1.77	1.61	1.46
103-7080-EV	C	Green	DPST	On-Off	1.94	1.77	1.61	1.46
103-7082-EV	D	Red	SPST	On-Off	1.52	1.38	1.26	1.15
103-7083-EV	D	Yellow	SPST	On-Off	1.52	1.38	1.26	1.15
103-7084-EV	D	Green	SPST	On-Off	1.52	1.38	1.26	1.15
103-7052-EV	E	Orange	SPST	On-Off	1.30	1.18	.98	.89
103-7053-EV	E	Red	SPST	On-Off	1.30	1.18	.98	.89
103-7055-EV	E	Green Dot	SPST	On-Off	1.30	1.18	.98	.89
103-7056-EV	E	Red Dot	SPST	On-Off	1.30	1.18	.98	.89
103-7048-EV	F	Green	SPST	On-Off	1.30	1.18	.98	.89
103-7049-EV	F	Orange	SPST	On-Off	1.30	1.18	.98	.89
103-7047-EV	F	Red	SPST	On-Off	1.30	1.18	.98	.89
103-7076-EV	G	Yellow Indicator Lamp/Red	SPST	On-Off	4.99	3.84	3.49	3.17

NON-ILLUMINATED ROCKER SWITCHES

Specifications:
- Rating: 16A/125VAC, 10A/250VAC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500VDC 100MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each			
					1	10	100	500
103-7081-EV	D	Black	SPST	On-Off	1.29	1.15	1.03	.94
103-7051-EV	E	Black	SPST	On-Off	1.01	.72	.64	.58
103-7061-EV	A	Black	SPST	On-Off	1.92	1.74	1.45	1.32
103-7035-EV	H	Black	SPST	On-Off	1.53	1.34	1.22	.91

SNAP-IN MOUNTING

Specifications:
- Rating: 16A/125VAC, 10A/250VAC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100MΩ min.
- Terminal Type: .250" QC

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each			
					1	10	100	500
103-7043-EVX	I	Black button marked On-Off	SPST	On-Off	3.38	2.42	2.20	2.00
103-7044-EVX	I	Black	DPDT	On-Off-On	5.11	3.65	3.02	2.81
103-7045-EVX	I	Black	DPST	On-Off	4.14	2.96	2.69	2.45

SCREW TYPE MOUNTING

Specifications:
- Rating: 16A/125VAC, 6A/250VAC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500MΩ min.
- Terminal Type: Solder

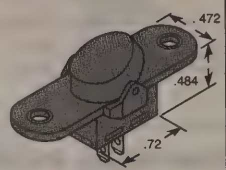
RoHS Compliant

For quantities of 1000 and up, call for quote.

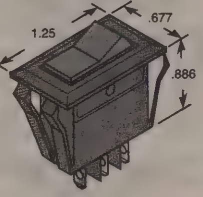
MOUSER STOCK NO.	Fig.	Button	Type	Circuit	Price Each			
					1	10	100	500
103-7058-EVX	J	Black button marked On-Off	SPST	On-Off	1.85	1.57	1.43	1.30
103-7059-EVX	J	Black with Dot	SPST	On-Off	1.85	1.57	1.43	1.30
103-7060-EVX	J	Black	SPST	On-Off	1.85	1.57	1.43	1.30

DIMENSIONS: In.

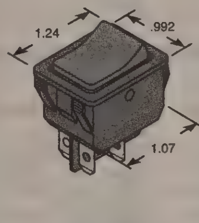
A



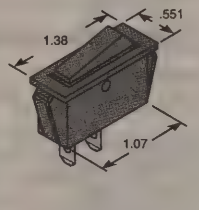
B



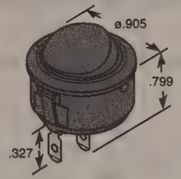
C



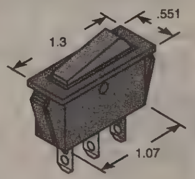
D



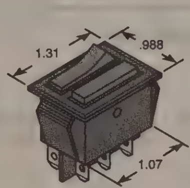
E



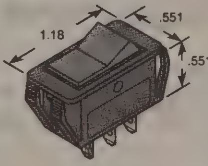
F



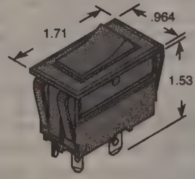
G



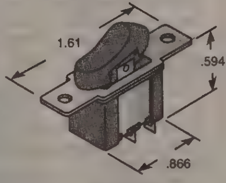
H



I



J



Mountain Switch SEALED SUB-MINIATURE ROCKER SWITCHES

Specifications:
- Rating: 1A/250VAC, 3A/120VAC or 28VDC
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
103-7026-EVX	A	SPDT	On-(On)	4.07	3.79	2.97	2.64
103-7028-EVX	A	SPDT	(On)-Off-(On)	7.44	6.76	5.14	4.35
103-7029-EVX	B	SPDT	On-Off-(On)	7.60	6.90	5.25	4.45

Mountain Switch SEALED SUB-MINIATURE SMD ROCKER SWITCHES

Specifications:
- Rating: 0.4 Volt-Amps (VA) max.20V max.
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	1	10	100	500
103-7031-EVX	C	SPDT	On-(On)	8.31	7.56	5.75	4.86
103-7033-EVX	C	SPDT	(On)-Off-(On)	8.31	7.56	5.75	4.86
103-7030-EVX	D	SPDT	On-On	7.60	6.90	5.25	4.45
103-7032-EVX	D	SPDT	On-Off-On	8.31	7.56	5.75	4.86
103-7034-EVX	D	SPDT	On-Off-(On)	7.97	7.28	5.54	4.69

Mountain Switch SEALED MINIATURE ROCKER SWITCHES

Specifications:
- Rating: 2A/250 VAC, 5A/120 VAC or 28VDC
- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
Rocker Actuator							
103-7023-EVX	E	DPDT	On-Off-On	7.60	6.90	5.25	4.45
Paddle Actuator							
103-7021-EVX	F	DPDT	On-On	6.97	6.34	4.82	4.07
103-7016-EVX	G	SPDT	On-(On)	5.29	4.81	3.70	3.13
103-7014-EVX	H	SPDT	On-On	5.29	4.81	3.70	3.13
103-7019-EVX	F	SPDT	On-Off-(On)	7.60	6.90	5.25	4.45

Mountain Switch MINIATURE ROCKER SWITCHES

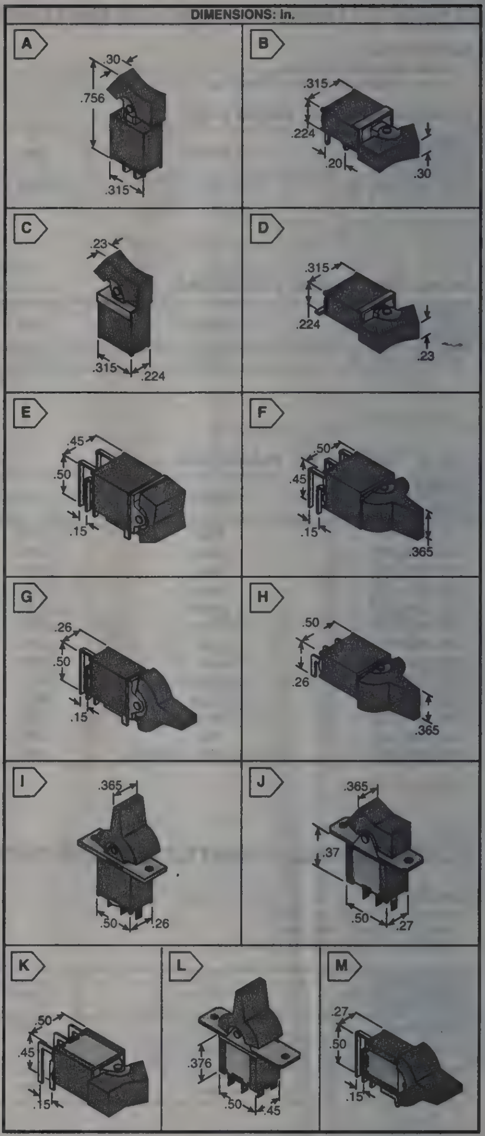
Specifications:
- Rating: 2A/250 VAC, 5A/120 VAC or 28VDC
- Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
Rocker Actuator							
103-7135-EVX	J	SPDT	On-Off-On	4.07	3.79	2.97	2.64
103-7010-EVX	J	SPDT	(On)-Off-(On)	4.07	3.79	2.97	2.64
103-7001-EVX	K	DPDT	On-(On)	5.38	4.89	3.17	2.68
103-7000-EVX	E	4PDT	On-On	10.57	9.61	8.74	7.95
Paddle Actuator							
103-7002-EVX	L	DPDT	On-Off-On	5.29	4.81	3.70	3.13
103-7008-EVX	L	SPDT	On-(On)	3.97	3.69	2.87	2.54
103-7009-EVX	M	SPDT	On-Off-On	4.07	3.79	2.97	2.64
103-7011-EVX	M	SPDT	On-Off-(On)	4.07	3.79	2.97	2.64

DIMENSIONS: In.



Rocker Switches

SCI ROCKER SWITCHES

DIMENSIONS: In.

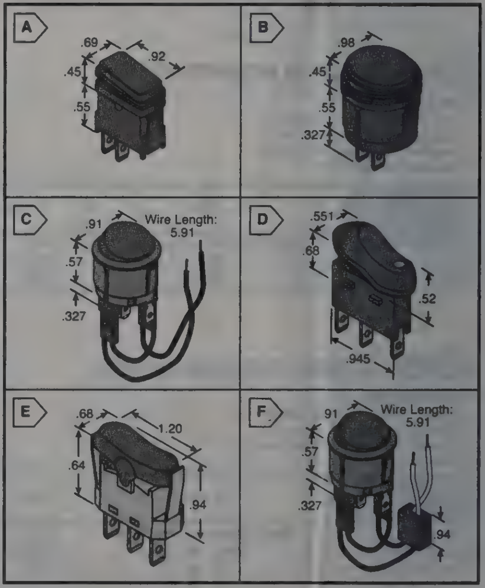
Specifications:
- Insulation Resistance: 500VDC 100MΩ min.
- Contact Resistance: 50mΩ max.
- Dielectric Strength: 1000VAC 1 minute
- Circuit: On-Off except R13-112CH-W4-02-UB On-On
- Terminal Type: .187" QC except R13-66A8-02-BB which is Solder

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Body Color	Button Color	Illumination Color	Rating	Price Each			
							1	10	100	500
R13-66A8 Series										
*112-R13-66A8	R13-66A8-02-BB	A	Black	Black	None	16A/125VAC	2.54	2.31	2.10	1.91
R13-112 Series										
112-R13-112A8	R13-112A8-02-BB	B	Black	Black	None	16A/125VAC	2.56	2.33	2.11	1.92
*112-R13-112B8W-BRR	R13-112B8W-02-BRR-N2	B	Black	Red	Red	10A/250VAC	3.27	2.98	2.71	2.46
*112-R13-112B8W-BUU	R13-112B8W-02-BUU-L1	B	Black	Blue	Blue	20A/12VDC	3.74	3.40	3.09	2.81
112-R13-112AH-W1	R13-112AH-W1-02-UB	C	Blue	Black	Blue	20A/12VDC	4.02	3.65	3.32	3.02
112-R13-112AH-W4	R13-112AH-W4-02-UB	D	Blue	Black	Blue	10A/250VAC	5.46	4.96	4.51	4.10
112-R13-112BH-W3	R13-112BH-W3-02-UU	D	Blue	Blue	Blue	16A/125VAC	5.92	5.38	4.90	4.45
112-R13-112CH-W4	R13-112CH-W4-02-UB	D	Blue	Black	Blue	10A/250VAC	5.83	5.30	4.82	4.38
R13-226 Series										
112-R13-226B-N1	R13-226B-01-WRR-N1	E	White	Red	Red	10A/125VAC	2.18	1.98	1.80	1.64
112-R13-226B-N2	R13-226B-01-WRR-N2	E	White	Red	Red	6A/250VAC	2.18	1.98	1.80	1.64
112-R13-226B3G-N1	R13-226B3-01-WSG-N1	E	White	Silver	Green	16A/125VAC	2.55	2.32	2.11	1.92
112-R13-226B3R-N2	R13-226B3-01-WSR-N2	E	White	Silver	Red	6A/250VAC	2.55	2.32	2.11	1.92
R13-239 Series										
112-R13-239B-N1	R13-239B-02-BBR-N1	F	Black	Black	Red	10A/125VAC	1.64	1.49	1.35	1.23
112-R13-239B-N2	R13-239B-02-BBR-N2	F	Black	Black	Red	6(2)A/250VAC	1.64	1.49	1.35	1.23

*Waterproof Cover



NKK Rocker Switches

NKK®
SWITCHES

NKK M SERIES: MINIATURE ROCKER SWITCHES

Specifications:
- Power rating: 6A @ 125VAC, 3A @ 250VAC
  4A @ 30V DC for On-None-On
  3A @ 30V DC for all other circuits
- Black actuator (Other colors available, call for quote)
- Panel Mount

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) =Momentary	Price Each			
				1	25	50	100
Rocker Actuator							
633-M201201D	M2012TNW01-DA	A	SPDT On-None-On	4.07	3.74	3.63	3.30
633-M201301D	M2013TNW01-DA	A	SPDT On-Off-On	4.63	4.25	4.13	3.75
633-M202201D	M2022TNW01-DA	B	DPDT On-None-On	5.68	5.22	5.07	4.61
633-M202301D	M2023TNW01-DA	B	DPDT On-Off-On	6.48	5.95	5.78	5.25
633-M202801D	M2028TNW01-DA	B	DPDT (On)-Off-(On)	7.59	6.97	6.77	6.15
633-M202901D	M2029TNW01-DA	B	DPDT On-Off-(On)	7.59	6.97	6.77	6.15
633-M203201D	M2032TNW01-DA	C	3PDT On-None-On	8.92	8.19	7.95	7.23
633-M204201D	M2042TNW01-DA	D	4PDT On-None-On	11.97	11.00	10.68	9.71
Paddle Actuator							
633-M201201E	M2012TNW01-EA	E	SPDT On-None-On	4.07	3.74	3.63	3.30
633-M201301E	M2013TNW01-EA	E	SPDT On-Off-On	4.63	4.25	4.13	3.75
633-M201501E	M2015TNW01-EA	E	SPDT On-None-(On)	5.09	4.68	4.54	4.13
633-M201801E	M2018TNW01-EA	E	SPDT (On)-Off-(On)	4.48	4.26	4.03	3.81
633-M201901E	M2019TNW01-EA	E	SPDT On-Off-(On)	5.18	4.76	4.62	4.20
633-M202201E	M2022TNW01-EA	F	DPDT On-None-On	5.68	5.22	5.07	4.61
633-M202301E	M2023TNW01-EA	F	DPDT On-Off-On	5.18	4.76	4.63	4.20
633-M202801E	M2028TNW01-EA	F	DPDT (On)-Off-(On)	7.59	6.97	6.77	6.15
633-M203201E	M2032TNW01-EA	G	3PDT On-None-On	8.92	8.19	7.95	7.23
633-M204201E	M2042TNW01-EA	H	4PDT On-None-On	11.97	11.00	10.68	9.71

NKK GW SERIES: ULTRA THIN ROCKER SWITCHES

- Power Rating: 0.4VA max. @ 28V AC/DC max.
- UL94V-0 case
- .100" x .100" terminal spacing
- Actuator available in three colors

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Actuator Color	Price Each			
					1	25	50	100
Straight PC								
633-GW12RBP-RO	GW12RBP-RO	I	SPDT On-None-On	Rocker/White	2.70	2.43	2.16	1.89
633-GW12LBP-RO	GW12LBP-RO	J	SPDT On-None-On	Paddle/White	2.70	2.43	2.16	1.89
633-GW12RCP-RO	GW12RCP-RO	I	SPDT On-None-On	Rocker/Red	2.70	2.43	2.16	1.89
633-GW12LCP-RO	GW12LCP-RO	J	SPDT On-None-On	Paddle/Red	2.70	2.43	2.16	1.89
633-GW12RHP-RO	GW12RHP-RO	I	SPDT On-None-On	Rocker/Gray	2.70	2.43	2.16	1.89
633-GW12LHP-RO	GW12LHP-RO	J	SPDT On-None-On	Paddle/Gray	2.70	2.43	2.16	1.89
633-GW22LBP	GW22LBP	J	DPDT On-None-On	Paddle/White	3.25	2.93	2.60	2.28
633-GW22RCP	GW22RCP	I	DPDT On-None-On	Rocker/Red	3.25	2.93	2.60	2.28
633-GW22LCP	GW22LCP	J	DPDT On-None-On	Paddle/Red	3.25	2.93	2.60	2.28
633-GW22RHP	GW22RHP	I	DPDT On-None-On	Rocker/Gray	3.25	2.93	2.60	2.28
Right Angle PC								
633-GW12RBH-RO	GW12RBH-RO	K	SPDT On-None-On	Rocker/White	2.70	2.43	2.16	1.89
633-GW12LBH-RO	GW12LBH-RO	L	SPDT On-None-On	Paddle/White	2.70	2.43	2.16	1.89
633-GW12RCH-RO	GW12RCH-RO	K	SPDT On-None-On	Rocker/Red	2.70	2.43	2.16	1.89
633-GW12LCH-RO	GW12LCH-RO	L	SPDT On-None-On	Paddle/Red	2.70	2.43	2.16	1.89
633-GW12RHH-RO	GW12RHH-RO	K	SPDT On-None-On	Rocker/Gray	2.70	2.43	2.16	1.89
633-GW12LHH-RO	GW12LHH-RO	L	SPDT On-None-On	Paddle/Gray	2.70	2.43	2.16	1.89
633-GW22LBH-RO	GW22LBH-RO	L	DPDT On-None-On	Paddle/White	3.25	2.93	2.60	2.28
633-GW22RHH-RO	GW22RHH-RO	K	DPDT On-None-On	Rocker/Gray	3.25	2.93	2.60	2.28
633-GW22LHH-RO	GW22LHH-RO	L	DPDT On-None-On	Paddle/Gray	3.25	2.93	2.60	2.28
Vertical PC								
633-GW12LBV-RO	GW12LBV-RO	N	SPDT On-None-On	Paddle/White	2.70	2.43	2.16	1.89
633-GW12RCV-RO	GW12RCV-RO	M	SPDT On-None-On	Rocker/Red	2.70	2.43	2.16	1.89
633-GW12LCV-RO	GW12LCV-RO	N	SPDT On-None-On	Paddle/Red	2.70	2.43	2.16	1.89
633-GW12RHV-RO	GW12RHV-RO	M	SPDT On-None-On	Rocker/Gray	2.70	2.43	2.16	1.89
633-GW12LHV-RO	GW12LHV-RO	N	SPDT On-None-On	Paddle/Gray	2.70	2.43	2.16	1.89
633-GW22LBV-RO	GW22LBV-RO	N	DPDT On-None-On	Paddle/White	3.25	2.93	2.60	2.28
633-GW22LCV-RO	GW22LCV-RO	N	DPDT On-None-On	Paddle/Red	3.25	2.93	2.60	2.28
633-GW22LHV-RO	GW22LHV-RO	N	DPDT On-None-On	Paddle/Gray	3.25	2.93	2.60	2.28

NKK GW SERIES: ULTRA THIN FULLY ILLUMINATED PADDLES

- Power rating: 0.4VA max. @ 28V AC/DC max.
- World smallest fully illuminated paddles
- Crisp actuation
- UL94V-0 case and base

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Color	Price Each			
					1	25	50	100
Straight PC								
633-GW12LJPF-RO	GW12LJPF-RO	J	SPDT On-None-On	Green	4.50	4.32	4.05	3.78
Right Angle PC								
633-GW12LJHF-RO	GW12LJHF-RO	L	SPDT On-None-On	Green	4.50	4.32	4.05	3.78
633-GW12LJHCF-RO	GW12LJHCF-RO	L	SPDT On-None-On	Red/Green	5.40	5.18	4.86	4.54
Vertical PC								
633-GW12LJVF-RO	GW12LJVF-RO	N	SPDT On-None-On	Green	4.50	4.32	4.05	3.78
633-GW12LJVCF-RO	GW12LJVCF-RO	N	SPDT On-None-On	Red/Green	5.40	5.18	4.86	4.54

NKK SW SERIES: MEDIUM AND HIGH CAPACITY ROCKER SWITCHES

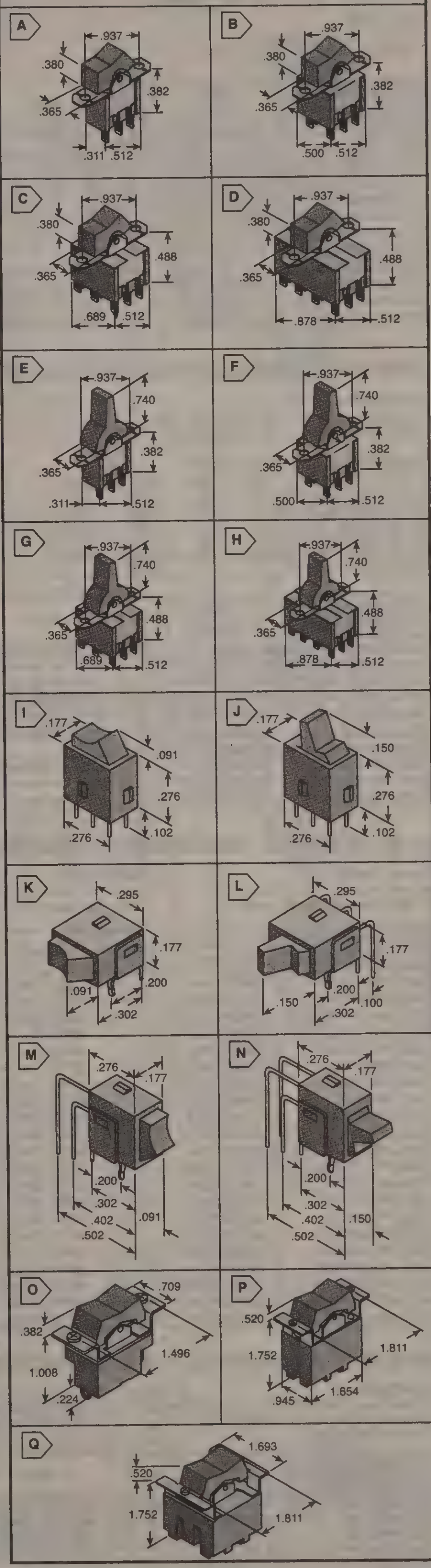
- Solder and screw lug terminals available
- Screw lug includes screws and mounting hardware
- Long electrical and mechanical life
- Actuator Color: White

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit ( ) =Momentary	Resistive Load			Inductive	Price Each			
				AC 125V	AC 250V	AC 30V	AC 125V PF 0.6	1	25	50	100
Medium Capacity, Solder Lug Termination											
633-SW3006A-RO	SW3006A-RO	O	DPDT On-None-On	20A	10A	20A	10A	5.72	5.03	4.86	4.71
633-SW3007A-RO	SW3007A-RO	O	DPDT On-Off-On	15A	6A	15A	10A	6.06	5.33	5.15	4.98
633-SW3008A-RO	SW3008A-RO	O	DPDT (On)-None-(On)	15A	6A	15A	10A	7.38	6.45	6.24	6.04
High Capacity, Screw Lug Termination											
633-SW3821-RO	SW3821-RO	P	DPST On-None-Off	30A	30A	30A	30A	19.85	19.20	18.56	17.97
633-SW3822-RO	SW3822-RO	P	DPDT On-None-On	30A	30A	30A	30A	20.60	19.93	19.26	18.64
633-SW3823	SW3823-RO	P	DPDT On-Off-On	30A	30A	30A	30A	21.00	20.31	19.64	19.00
633-SW3831-RO	SW3831-RO	Q	3PST On-None-Off	30A	30A	30A	30A	29.75	28.77	27.81	26.91
633-SW3832-RO	SW3832-RO	Q	3PDT On-None-On	30A	30A	30A	30A	36.15	34.96	33.80	32.71
633-SW3833-RO	SW3833-RO	Q	3PDT On-Off-On	30A	30A	30A	30A	36.15	34.96	33.80	32.71

DIMENSIONS: in.



NKK Rocker Switches

NKK SWITCHES

NKK CW SERIES: SNAP-IN POWER ROCKERS

Power Rating:
- CWSA & CWSB: 6A @ 250V AC
- CWT: 6A @ 125V AC; 3A @ 250V AC

CWSA & CWSB CWT

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Inscription	Termination	Price Each			
						1	25	50	100
633-CWSA11AANS	CWSA11AANS	A	SPST On-None-Off	None	Solder lug	1.60	1.45	1.36	1.28
633-CWSA11AAN1S	CWSA11AAN1S	A	SPST On-None-Off	Horizontal	Solder lug	1.70	1.55	1.46	1.36
633-CWSA11AAN2S	CWSA11AAN2S	A	SPST On-None-Off	Vertical	Solder lug	1.70	1.55	1.46	1.36
633-CWSA11AAN3S	CWSA11AAN3S	A	SPST On-None-Off	Dot	Solder lug	1.70	1.55	1.46	1.36
633-CWSA12AANS	CWSA12AANS	A	SPDT On-None-On	None	Solder lug	1.75	1.58	1.49	1.39
633-CWSB11AAF	CWSB11AAF	B	SPST On-None-Off	None	Quick connect	1.70	1.55	1.46	1.36
633-CWSB11AA1F	CWSB11AA1F	B	SPST On-None-Off	Horizontal	Quick connect	1.80	1.63	1.53	1.44
633-CWSB11AA2F	CWSB11AA2F	B	SPST On-None-Off	Vertical	Quick connect	1.80	1.63	1.53	1.44
633-CWSB11AA3F	CWSB11AA3F	B	SPST On-None-Off	Dot	Quick connect	1.80	1.63	1.53	1.44
633-CWSB21AA1F	CWSB21AA1F	B	DPST On-None-Off	Horizontal	Quick connect	2.50	2.28	2.14	2.00
633-CWSB21AA2F	CWSB21AA2F	B	DPST On-None-Off	Vertical	Quick connect	2.50	2.28	2.14	2.00
633-CWT12AAS1	CWT12AAS1	C	SPDT On-None-On	None	Solder lug	2.00	1.82	1.71	1.60

NKK CW SERIES: ILLUMINATED SNAP-IN MINIATURE ROCKERS

Termination:
- LED illuminated rockers: .110 solder/quick connect
- Neon illuminated rockers: .187 solder/quick connect

CWSC CWSB

RoHS Compliant

Single Element LED Specifications

Color	Red	Amber	Green
Forward Peak Current	30mA	30mA	30mA
Continuous Forward Current	20mA	20mA	20mA
Forward Voltage	1.95V	2.0V	2.1V
Reverse Peak Voltage	5V	5V	5V
Current Reduction Rate Above 25°C	0.41mA/°C	0.29mA/°C	0.39mA/°C
Ambient Temp. Range	-10~+50° C		

Neon Lamp Specifications

Color	Red	Amber	Green
Voltage AC	125V	125V	125V
Internal Series Resistance	33KΩ	33KΩ	68KΩ
Current	1.4mA	1.4mA	0.6mA
Endurance (Hours)	15,000	15,000	8,000

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Illumination	Rocker Description	Price Each			
						1	25	50	100
LED Illumination, Power Rating: 9A @ 125V AC or 6A @ 250V AC									
633-CWSC11JCACS	CWSC11JCACS	D	SPST On-None-Off	Red	Clear/Red Diffuser	3.27	3.15	3.04	2.84
633-CWSC11JFAFS	CWSC11JFAFS	D	SPST On-None-Off	Green	Clear/Green Diffuser	3.27	3.15	3.04	2.84
633-CWSC21JCACS	CWSC21JCACS	D	DPST On-None-Off	Red	Clear/Red Diffuser	5.34	5.15	4.96	4.64
633-CWSC21JDADS	CWSC21JDADS	D	DPST On-None-Off	Amber	Clear/Amber Diffuser	5.34	5.15	4.96	4.64
633-CWSC21JFAFS	CWSC21JFAFS	D	DPST On-None-Off	Green	Clear/Green Diffuser	5.34	5.15	4.96	4.64
Neon Illumination, Power Rating: 9A @ 125V AC									
633-CWSB21CACF	CWSB21CACF	E	DPST On-None-Off	Red	Red	2.64	2.53	2.45	2.39
633-CWSB21DADF	CWSB21DADF	E	DPST On-None-Off	Amber	Amber	2.75	2.64	2.56	2.39
633-CWSB21FAFF	CWSB21FAFF	E	DPST On-None-Off	Green	Green	2.75	2.64	2.56	2.39

NKK JW SERIES: HIGH INRUSH TV RATED ROCKERS

Power Rating:
- JWM: TV-5 Rated 10A @ 125/250V AC
- JWL: TV-8 Rated 16A @ 125/250V AC

Terminations:
- JWM: .110" solder/quick connect
- JWL: .187" solder/quick connect

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Cap Color	Inscription	Price Each			
						1	25	50	100
633-JWM11RAA	JWM11RAA	F	SPST On-Off	Black	None	4.70	4.27	4.01	3.76
633-JWM11RA1A	JWM11RA1A	F	SPST On-Off	Black	Horizontal	5.10	4.64	4.36	4.07
633-JWM11RA2A	JWM11RA2A	F	SPST On-Off	Black	Vertical	5.10	4.64	4.36	4.07
633-JWM12RAA	JWM12RAA	F	SPDT On-On	Black	None	5.70	5.18	4.87	4.55
633-JWM21RAA	JWM21RAA	F	DPST On-Off	Black	None	6.25	5.68	5.33	4.99
633-JWM21RA1A	JWM21RA1A	F	DPST On-Off	Black	Horizontal	6.65	6.04	5.67	5.31
633-JWM21RA2A	JWM21RA2A	F	DPST On-Off	Black	Vertical	6.65	6.04	5.67	5.31
633-JWM21RCA	JWM21RCA	F	DPST On-Off	Red	None	6.25	5.68	5.33	4.99
633-JWM22RAA	JWM22RAA	F	DPDT On-On	Black	None	7.45	6.77	6.36	5.95
633-JWM22RCA	JWM22RCA	F	DPDT On-On	Red	None	7.45	6.77	6.36	5.95
633-JWL11RAA	JWL11RAA	G	SPST On-Off	Black	None	6.25	5.68	5.33	4.99
633-JWL11RA2A	JWL11RA2A	G	SPST On-Off	Black	Vertical	6.65	6.04	5.67	5.31
633-JWL11RCA	JWL11RCA	G	SPST On-Off	Red	None	6.25	5.68	5.33	4.99
633-JWL12RAA	JWL12RAA	G	SPDT On-On	Black	None	7.45	6.77	6.36	5.95
633-JWL12RCA	JWL12RCA	G	SPDT On-On	Red	None	7.45	6.77	6.36	5.95
633-JWL21RAA	JWL21RAA	G	DPST On-Off	Black	None	8.65	7.85	7.38	6.90
633-JWL21RA1A	JWL21RA1A	G	DPST On-Off	Black	Horizontal	9.05	8.22	7.72	7.22
633-JWL21RA2A	JWL21RA2A	G	DPST On-Off	Black	Vertical	9.05	8.22	7.72	7.22
633-JWL21RC2A	JWL21RC2A	G	DPST On-Off	Red	Vertical	9.05	8.22	7.72	7.22
633-JWL22RAA	JWL22RAA	G	DPDT On-On	Black	None	10.75	9.75	9.16	8.57
633-JWL22RCA	JWL22RCA	G	DPDT On-On	Red	None	10.75	9.75	9.16	8.57

NKK ENVIRONMENTALLY SEALED ROCKER SWITCHES

Specifications:
- Power rating: 15A @ 125/250V AC or 15A @ 30V DC
- Wire leads: AWG 16 heat resistant PVC
- Actuator color: Black
- IP67 of IEC529
- UL 94V-0 Flammability Rating

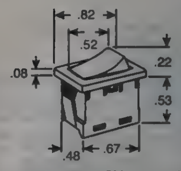
RoHS Compliant

For quantities of 500 and up, call for quote.

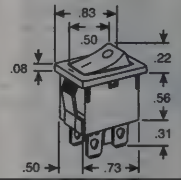
MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each			
					1	25	50	100
633-WR11AS	WR11AS	H	SPST On-None-Off	Solder lug	12.47	11.46	10.78	10.11
633-WR11AF	WR11AF	I	SPST On-None-Off	.250" QC	12.47	11.46	10.78	10.11
633-WR12AF	WR12AF	I	SPST On-None-On	.250" QC	12.47	11.46	10.78	10.11
633-WR13AF	WR13AF	I	SPDT On-Off-On	.250" QC	12.47	11.46	10.78	10.11

DIMENSIONS: In.

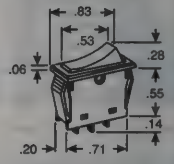
A



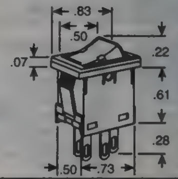
B



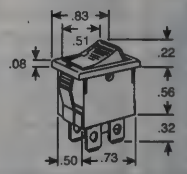
C



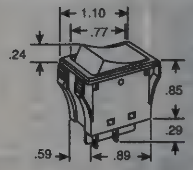
D



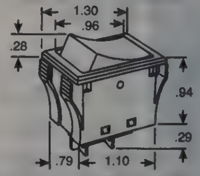
E



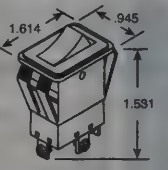
F



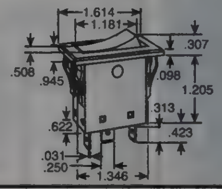
G



H



I



SHIN CHIN Rocker Switches

SCI PARTS

ROCKER SWITCHES

Features:
- Material: Frames are nylon (UL flame 94V-2 except R13-228 which is UL flame 94HB)
- Terminals: Silver plated brass
- Easy to install switches into panel

Specifications:
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500VDC 100MΩ min.
- Dielectric Strength: 1500VAC 1 minute
- Neon Illumination: 125VAC w/33kΩ dropping resistor
- LED Illumination: LED rating 10mA Vf=1.85V

R13-49 Series

LR45128

- Screw Type Mounting
- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: Solder

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button	Type	Circuit	Price Each				
						1	10	100	200	500
112-R13-49A-B/B	R13-49A-05-BB1	A	Black button white dot	SPST	On-Off	1.48	1.19	.90	.79	.61
112-R13-49A-R/B	R13-49A-05-BR1	A	Red button white dot	SPST	On-Off	1.48	1.19	.90	.79	.61
112-R13-49B-R/B	R13-49B-05-BR	A	Red button	DPDT	On-On	2.03	1.69	1.54	1.40	1.27

R13-66 Series

11037-4401 E67774 LR45128

- Snap-in Mounting
- Rating: 16A/125VAC, 10A/250VAC
- Terminal Type: .187" QC

For quantities of 1000 and up, call for quote.

112-R13-66A-B	R13-66A-02-BB2	B	Black button marked I-0	SPST	On-Off	1.05	.90	.70	.63	.59
112-R13-66B-R	R13-66B-02-BRR-N1	B	Neon illuminated red button	SPST	On-Off	1.35	1.17	1.07	.97	.89
112-R13-66B-G	R13-66B-02-BGG-N1	B	Neon illuminated green button	SPST	On-Off	1.35	1.17	1.07	.97	.89
112-R13-66C-B	R13-66C-02-BB	B	Black button	SPDT	On-On	1.25	1.07	.84	.76	.70
112-R13-66D	R13-66D-02-BB6	B	Black button marked I-0-II	SPDT	On-Off-On	1.25	1.07	.84	.76	.70
112-R13-66L-R	R13-66L-02-BBRR-L1	B	LED illuminated red button	SPST	On-Off	1.32	1.16	1.05	.96	.92
112-R13-66L-Y	R13-66L-02-BBYY-L1	B	LED illuminated yellow button	SPST	On-Off	1.32	1.16	1.05	.96	.92
112-R13-66L-G	R13-66L-02-BBGG-L1	B	LED illuminated green button	SPST	On-Off	1.32	1.16	1.05	.96	.92

R13-73 Series

11037-4401 E67774 LR45128

- Snap-in Mounting
- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: .187" QC

For quantities of 1000 and up, call for quote.

112-R13-73A2-B	R13-73A2-02-BB	C	Black button marked I-0	DPST	On-Off	1.84	1.66	1.49	1.34	1.23
112-R13-73B-Y	R13-73B-02-BYY-N1	C	Neon illuminated yellow button	SPST	On-Off	1.58	1.42	1.28	1.15	1.06
112-R13-73B-G	R13-73B-02-BGG-N1	C	Neon illuminated green button	SPST	On-Off	1.75	1.58	1.42	1.28	1.17
112-R13-73C-G	R13-73C-02-BGG-N1	C	Neon illuminated green button	DPST	On-Off	2.39	2.15	1.94	1.74	1.60

R13-104 Series

11037-4401 E67774 LR45128

- Snap-in Mounting
- Rating: 16A/125VAC, 10A/250VAC
- Terminal Type: .250" QC

For quantities of 1000 and up, call for quote.

112-R13-104B-G	R13-104B-BGG-N1	D	Neon illuminated green button	DPST	On-Off	3.23	2.91	2.62	2.35	2.17
112-R13-104D	R13-104D-01-BB	D	Black button	DPDT	On-Off-On	3.23	2.91	2.62	2.35	2.17

R13-130 Series

RoHS Compliant LR45128

- Screw Type Mounting
- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: Solder

For quantities of 1000 and up, call for quote.

112-R13-130A	R13-130A-05-BB2	E	Black button marked I-0	SPST	On-Off	1.83	1.52	1.39	1.26	1.16
112-R13-130B	R13-130B-05-BB	E	Black button	DPDT	On-On	2.21	2.01	1.83	1.66	1.53
112-R13-130C	R13-130C-05-BB	E	Black button	SPDT	On-On	2.10	1.75	1.60	1.45	1.33

R13-136 Series

LR45128

- Screw Type Mounting
- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: Solder

For quantities of 1000 and up, call for quote.

112-R13-136A-B	R13-136A-05-BB2	F	Black button marked I-0	SPST	On-Off	1.84	1.66	1.49	1.37	1.26
112-R13-136A-R	R13-136A-05-BR2	F	Red button marked I-0	SPST	On-Off	1.84	1.66	1.49	1.37	1.26
112-R13-136B-B	R13-136B-05-BB	F	Black button	DPDT	On-On	2.58	2.32	2.09	1.92	1.77
112-R13-136B-R	R13-136B-05-BR	F	Red button	DPDT	On-On	2.58	2.32	2.09	1.92	1.77

R13-213 Series

- Screw Type Mounting
- Rating: 6A/125VAC, 3A/250VAC
- Terminal Type: .110" QC

For quantities of 1000 and up, call for quote.

112-R13-213A-B	R13-213A-03-BB	G	Black button	SPST	On-Off	2.48	2.23	2.01	1.81	1.66
112-R13-213A-R	R13-213A-03-BR	G	Red button	SPST	On-Off	2.48	2.23	2.01	1.81	1.66
112-R13-213B-B	R13-213B-03-BB	G	Black button	DPDT	On-On	3.59	3.23	2.90	2.61	2.40
112-R13-213B-R	R13-213B-03-BR	G	Red button	DPDT	On-On	3.59	3.23	2.90	2.61	2.40
112-R13-213C	R13-213C-03-BB	G	Black button	SPDT	On-On	3.22	2.90	2.61	2.35	2.16
112-R13-213F	R13-213F-03-BB	G	Black button	DPST	On-Off	3.40	3.06	2.75	2.48	2.28

R13-228 Series

- Screw Type Mounting
- Rating: 10A/125VAC, 6A/250VAC
- Terminal Type: Solder

For quantities of 1000 and up, call for quote.

112-R13-228A	R13-228A-05-BB2	H	Black button marked I-0	SPST	On-Off	2.48	2.23	2.01	1.81	1.66
112-R13-228B-R	R13-228B-R-05-BRR-N1	H	Neon illuminated red button	SPST	On-Off	3.22	2.90	2.61	2.35	2.16
112-R13-228B-G	R13-228B-G-05-BGG-N1	H	Neon illuminated green button	SPST	On-Off	3.22	2.90	2.61	2.35	2.16

R13-241 Series

- Screw Type Mounting
- Rating: 6A/125VAC, 3A/250VAC
- Terminal Type: Solder

For quantities of 1000 and up, call for quote.

112-R13-241A	R13-241A-05-BB	I	Black button	SPST	On-Off	2.20	1.98	1.78	1.60	1.48
112-R13-241C	R13-241C-05-BB	I	Black button	SPDT	On-On	2.30	2.07	1.86	1.68	1.54
112-R13-241D	R13-241D-05-BB	I	Black button	SPDT	On-Off-On	2.48	2.23	2.01	1.81	1.66

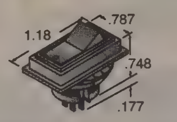
R13-243 Series

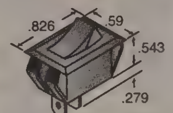
- Snap-in Mounting
- Rating: 8A/125VAC, 4A/250VAC
- Terminal Type: .187" QC

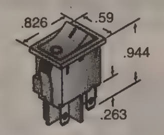
For quantities of 1000 and up, call for quote.

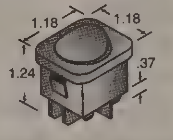
112-R13-243A	R13-243A-02-BB	J	Black button	SPST	On-Off	1.48	1.33	1.20	1.08	.99
112-R13-243F	R13-243F-02-BB	J	Black button	SPST	(On)-Off	2.20	1.98	1.78	1.60	1.48

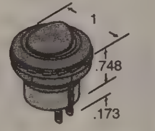
DIMENSIONS: in.

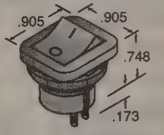
A


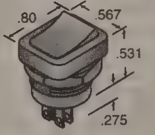
B


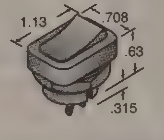
C


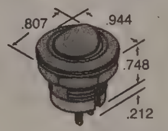
D


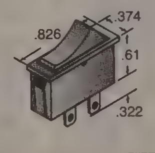
E


F


G


H


I


J


ALCOSWITCH Slide Switches

ASE/F SERIES SLIDE SWITCHES

DIMENSIONS: mm

Specifications:

- Terminal seal: Insert molded
- Contact timing: Shorting
- Contact resistance: 40 mΩ max.
- Contact rating: Gold, 0.4VA;
  Silver, 300mA @ 115VAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dim. "L"	Contact Form	Contact Material	Price Each			
						1	25	50	100
Extended Actuator, Open Ended Case									
506-ASE22	ASE22	A	10.2	DPDT	Silver	5.66	4.83	4.09	3.55
506-ASE22G	ASE22G	A	10.2	DPDT	Gold	3.45	3.11	2.76	2.55
506-ASE42	ASE42	A	17.8	4PDT	Silver	1.92	1.82	1.73	1.63
506-ASE62	ASE62	A	25.4	6PDT	Silver	3.26	3.04	2.87	2.71
Flush Actuator, Tape Seal, Sealed Case									
506-ASF22	ASF22	B	10.2	DPDT	Silver	1.52	1.37	1.22	1.12
506-ASF22G	ASF22G	B	10.2	DPDT	Gold	3.72	3.54	3.34	3.16
506-ASF42	ASF42	B	17.8	4PDT	Silver	3.76	3.40	3.04	2.72
506-ASF62	ASF62	B	25.4	6PDT	Silver	3.39	3.05	2.71	2.51

MSS SERIES INSTRUMENTATION GRADE SLIDE SWITCHES

- Contact rating: Gold: 0.4VA @ 20VDC
  Silver - 300mA @ 125VAC
- Contact material: Gold or silver over nickel
- Contact timing: Make-before-break

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Contact Form	Mounting Style	Contact Material	Price Each			
						1	25	50	100
506-MSS1200	MSS1200	C	SPDT	Upright	Silver	2.04	1.94	1.84	1.74
506-MSS1200G	MSS1200G	C	SPDT	Upright	Gold	2.60	2.47	2.34	2.21
506-MSS1200R	MSS1200R	D	SPDT	Right angle	Silver	2.18	2.08	1.97	1.86
506-MSS1200RG	MSS1200RG	D	SPDT	Right angle	Gold	2.30	2.07	1.84	1.70
506-MSS2250G	MSS2250G	E	DPDT	Upright	Gold	3.24	3.08	2.92	2.75
506-MSS2250R	MSS2250R	F	DPDT	Right angle	Silver	2.88	2.58	2.32	1.89
506-MSS2250RG	MSS2250RG	F	DPDT	Right angle	Gold	3.24	3.08	2.92	2.75
506-MSS4200	MSS4200	G	4PDT	Upright	Silver	3.96	3.57	3.20	2.86
506-MSS4200R	MSS4200R	H	4PDT	Right angle	Silver	2.66	2.53	2.39	2.26
506-MSS4350R	MSS4350R	I	4P3T	Right angle	Silver	3.14	2.98	2.83	2.67

MSSA SERIES INSTRUMENTATION GRADE SLIDE SWITCHES

- Operating force: 470 grams
- Contact timing: Shorting
- Contact rating: 300mA @ 125VAC
- Contact resistance: 30mΩ max.
- Case material: Cold rolled steel
- Contact material: Silver over copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Dim. A (mm)	Dim. B (mm)	Contact Form	Mounting Style	Contact Material	Price Each			
								1	25	50	100
506-MSSA1350	MSSA1350	J	11.5	10.2	SP3T	Upright	Silver	7.61	6.65	6.30	5.95
506-MSSA2350	MSSA2350	J	12.0	10.4	DP3T	Upright	Silver	11.18	10.63	10.06	9.50
506-MSSA2350R	MSSA2350R	K	- - -	- - -	DP3T	Rt. angle	Silver	10.68	10.15	9.62	9.08
506-MSSA2450	MSSA2450	J	12.0	10.4	DP4T	Upright	Silver	11.46	10.89	10.32	9.74

SL SERIES SLIDE SWITCHES W/ PC TAILS AND LEVER ACTUATORS

- Contact timing: Break-before-make
- Contact resistance: 30mΩ max.
- Contact rating: 250mA @ 125VAC
- Case material: Steel
- Contact material: Silver over copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	No. of Positions	Dim. A (mm)	Dim. B (mm)	Price Each			
						1	25	50	100
506-SL-330	SL330	L	3	28.19	23.10	2.94	2.65	2.35	2.18
506-SL550	SL550	L	5	36.07	30.99	2.18	1.95	1.74	1.61

SLS SERIES MINIATURE, ROLLING CONTACT SLIDE SWITCHES

- Contact timing: Break-before-make
- Contact material: Ag over Ni over Cu alloy
- Contact rating: 250mA @ 125VAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Contact Form	Mounting Style	Price Each			
					1	25	50	100
506-SLS121PC	SLS121PC	M	SPDT	Upright	.60	.54	.48	.44
506-SLS121RA	SLS121RA	N	SPDT	Right angle	.80	.76	.72	.68
506-SLS131PC	SLS131PC	O	SP3T	Upright	2.04	1.94	1.84	1.74
506-SLS131RA	SLS131RA	P	SP3T	Right angle	1.84	1.66	1.47	1.36

SSA SERIES MICRO SIZE INSTRUMENTATION GRADE SLIDE SWITCHES

- Contact timing: Break-before-make
- Contact rating: Gold - 250mA @ 20VDC
  Silver - 100mA @ 30 VDC
- Case material: Polyester PPS UL94V-0
- Contact material: Silver or gold plate

For quantities of 500 and up, call for quote.

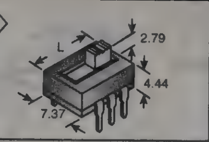
MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Contact Form	Contact Material	Price Each			
					1	25	50	100
506-SSA12	SSA12	Q	SPDT	Silver	1.22	1.11	1.02	.95
506-SSA12G	SSA12G	Q	SPDT	Gold	5.16	4.41	3.72	3.29
506-SSA22	SSA22	R	DPDT	Silver	4.84	4.11	3.47	3.03
506-SSA22G	SSA22G	R	DPDT	Gold	3.24	3.08	2.91	2.75

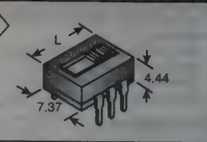
TSS SERIES SLIDE SWITCHES

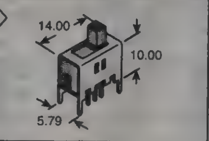
- Case material: Polyester UL94V-0
- Contact material: Cu w/ Au over Ni
- Contact rating: 250mA @ 20VDC
- Contact timing: Non-shorting
- Switch function: On-None-On

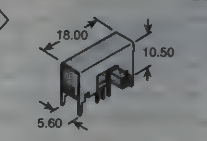
For quantities of 500 and up, call for quote.

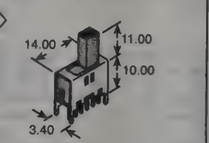
MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Contact Form	Mounting Style	Price Each			
					1	25	50	100
506-TSS11DGPC	TSS11DGPC	S	SPDT	Upright	8.04	7.26	6.05	5.10
506-TSS11DGRA	TSS11DGRA	T	SPDT	Right angle	5.38	5.11	4.85	4.58
506-TSS21NGPC	TSS21NGPC	U	DPDT	Upright	6.77	6.39	5.64	5.08
506-TSS21NGRA	TSS21NGRA	V	DPDT	Right angle	8.69	8.21	7.25	6.52
506-TSS41NGPC	TSS41NGPC	W	4PDT	Upright	15.48	14.71	13.93	13.16
506-TSS41NGRA	TSS41NGRA	X	4PDT	Right angle	14.62	13.76	12.90	12.04

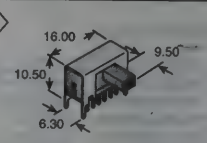
A


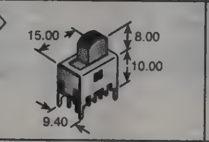
B


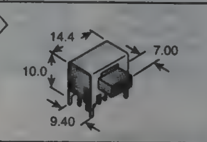
C


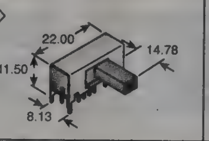
D


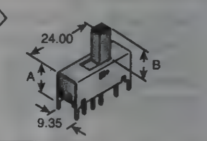
E


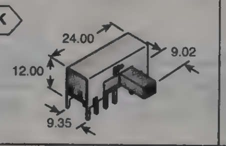
F


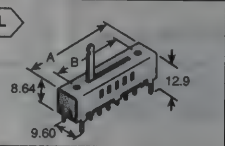
G


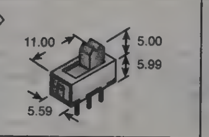
H


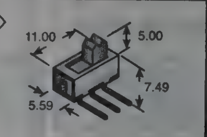
I


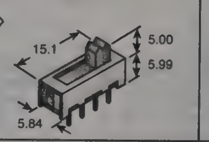
J


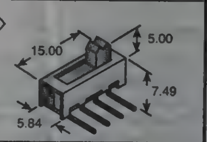
K


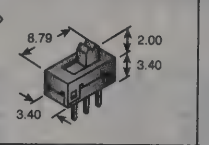
L


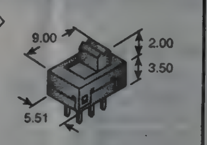
M


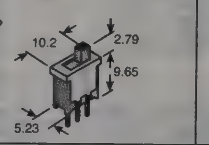
N


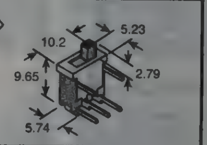
O


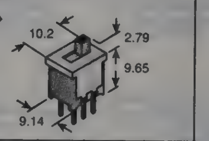
P


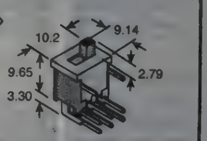
Q


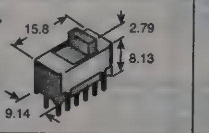
R


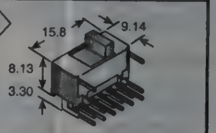
S


T


U


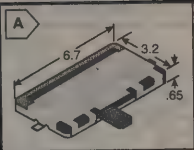
V


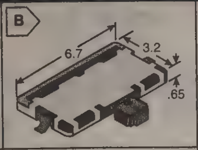
W


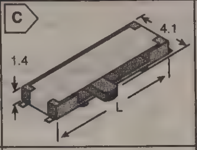
X


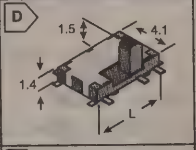
ALPS Slide Switches

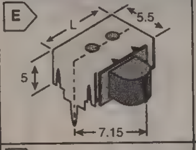
RoHS Compliant This page of product is compliant.

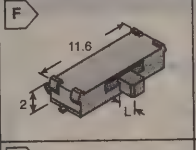
A


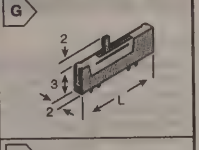
B


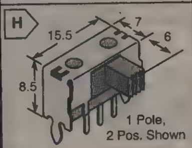
C


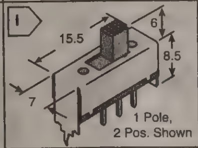
D


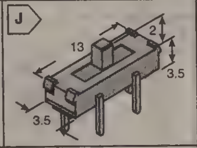
E


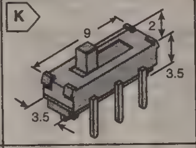
F


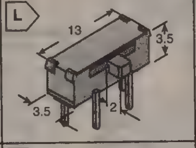
G


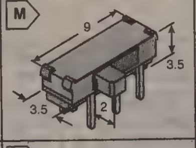
H


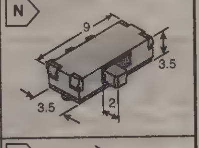
I


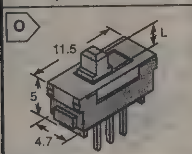
J


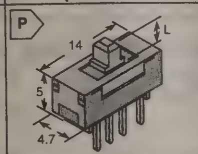
K


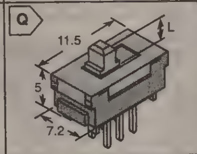
L


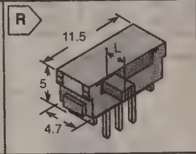
M


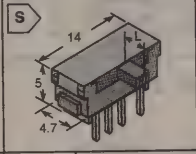
N


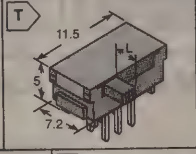
O


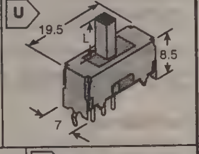
P


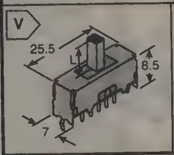
Q


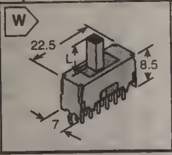
R


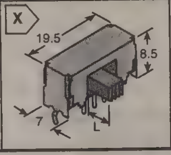
S


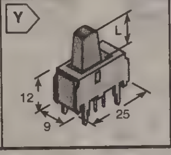
T


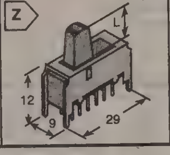
U


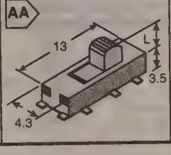
V


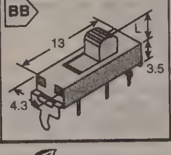
W


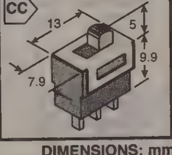
X


Y


Z


AA


BB


CC


DIMENSIONS: mm

ALPS SLIDE SWITCHES

RoHS Compliant For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Travel (mm)	No. of Poles	No. of Pos.	Contact Rating	Mounting Style	Actuation Direction	Changeover Timing	Location Lug	Dim. L (mm)	Features	Price Each 1	50	100	500
688-SSAD120100	SSAD120100	A	1.5	1	2	1mA @ 5VDC	SMD	Horizontal	Not specified	No	----	Low profile	1.01	1.00	.90	.65
688-SSAD110100	SSAD110100	B	1.5	1	2	1mA @ 5VDC	SMD	Horizontal	Not specified	Yes	----	Low profile	1.41	1.00	.90	.66
688-SSSS811101	SSSS811101	C	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	Yes	6.7	With ground	.71	.50	.45	.33
688-SSSS810201	SSSS810201	C	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	Yes	9.7	With ground	.99	.70	.63	.47
688-SSSS820201	SSSS820201	D	1.5	2	2	0.3A @ 4VDC	SMD	Vertical	Not specified	Yes	6.7	With ground	1.06	.75	.67	.50
688-SSSS820501	SSSS820501	D	1.5	2	3	0.3A @ 4VDC	SMD	Vertical	Not specified	Yes	9.7	With ground	1.20	.85	.76	.57
688-SSAC120100	SSAC120100	E	1.5	2	2	1mA @ 5VDC	PCB	Horizontal	Non-shorting	----	9.5	With external knob	.49	.35	.31	.23
688-SSAC120200	SSAC120200	E	1.5	2	3	1mA @ 5VDC	PCB	Horizontal	Not specified	----	11	With external knob	.57	.40	.36	.27
688-SSSS7C0101	SSSS7C0101	F	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	No	0.9	Double-side recoil	3.07	2.17	1.95	1.45
688-SSSS7C0201	SSSS7C0201	F	1.5	1	2	0.3A @ 4VDC	SMD	Horizontal	Not specified	No	1.5	Double-side recoil	3.07	2.17	1.95	1.45
688-SSSS710603	SSSS710603	G	2.0	1	2	0.3A @ 4VDC	PCB	Horizontal	Not specified	----	8.8	Standard type	1.56	1.10	.99	.73
688-SSSS711403	SSSS711403	G	2.0	1	3	0.3A @ 4VDC	PCB	Horizontal	Non-shorting	----	12.5	Standard type	1.76	1.25	1.12	.83
688-SSSS7A0101	SSSS7A0101	G	2.0	1	3	0.3A @ 4VDC	PCB	Horizontal	Non-shorting	----	12.5	Single-side recoil	2.00	1.41	1.27	.94
688-SSSS7B0101	SSSS7B0101	G	2.0	1	2	0.3A @ 4VDC	PCB	Horizontal	Non-shorting	----	12.5	Double-side recoil	2.00	1.41	1.27	.94
688-SSSF111800	SSSF111800	H	2.0	1	2	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose	1.06	.75	.67	.50
688-SSSF114900	SSSF114900	H	2.0	1	3	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose	1.20	.85	.76	.57
688-SSSF121900	SSSF121900	H	2.0	2	2	0.1A @ 30VDC	PCB	Horizontal	Non-shorting	----	----	Large size, general purpose	1.41	1.00	.90	.66
688-SSSF011700	SSSF011700	I	2.0	1	2	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose	1.06	.75	.67	.50
688-SSSF014800	SSSF014800	I	2.0	1	3	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose	1.20	.85	.76	.57
688-SSSF021500	SSSF021500	I	2.0	2	2	0.1A @ 30VDC	PCB	Vertical	Non-shorting	----	----	Large size, general purpose	1.41	1.00	.90	.66
688-SSSS211900	SSSS211900	J	2.0	1	3	0.3A @ 6VDC	PCB	Vertical	Non-shorting	----	----	High density mounting	1.06	.75	.67	.50
688-SSSS222700	SSSS222700	K	2.0	2	2	0.3A @ 6VDC	PCB	Vertical	Non-shorting	----	----	High density mounting	1.13	.80	.72	.53
688-SSSS212200	SSSS212200	L	2.0	1	3	0.3A @ 6VDC	PCB	Horizontal	Non-shorting	----	----	High density mounting	1.06	.75	.67	.50
688-SSSS223200	SSSS223200	M	2.0	2	2	0.3A @ 6VDC	PCB	Horizontal	Non-shorting	----	----	High density mounting	1.13	.80	.72	.53
688-SSSS211603	SSSS211603	N	2.0	1	2	0.3A @ 6VDC	SMD	Horizontal	Non-shorting	----	----	High density mounting	1.27	.90	.81	.60
688-SSSS912000	SSSS912000	O	2.0	1	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	2	High operability	.85	.60	.54	.40
688-SSSS912500	SSSS912500	O	2.0	1	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	4	High operability	.85	.60	.54	.40
688-SSSS919500	SSSS919500	P	2.0	1	3	0.1A @ 12VDC	PCB	Vertical	Not specified	----	2	High operability	.99	.70	.63	.47
688-SSSS919800	SSSS919800	P	2.0	1	3	0.1A @ 12VDC	PCB	Vertical	Not specified	----	4	High operability	.99	.70	.63	.47
688-SSSS922000	SSSS922000	Q	2.0	2	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	2	High operability	1.13	.80	.72	.53
688-SSSS922500	SSSS922500	Q	2.0	2	2	0.1A @ 12VDC	PCB	Vertical	Non-shorting	----	4	High operability	1.13	.80	.72	.53
688-SSSS916900	SSSS916900	R	2.0	1	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	2	High operability	.85	.60	.54	.40
688-SSSS916400	SSSS916400	R	2.0	1	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	4	High operability	.85	.60	.54	.40
688-SSSS91B900	SSSS91B900	S	2.0	1	3	0.1A @ 12VDC	PCB	Horizontal	Not specified	----	2	High operability	.99	.70	.63	.47
688-SSSS91B600	SSSS91B600	S	2.0	1	3	0.1A @ 12VDC	PCB	Horizontal	Not specified	----	4	High operability	.99	.70	.63	.47
688-SSSS926400	SSSS926400	T	2.0	2	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	2	High operability	1.13	.80	.72	.53
688-SSSS925800	SSSS925800	T	2.0	2	2	0.1A @ 12VDC	PCB	Horizontal	Non-shorting	----	4	High operability	1.13	.80	.72	.53
688-SSSU011700	SSSU011700	U	3.0	1	2	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	6	Large size, general purpose	1.06	.75	.67	.50
688-SSSU012200	SSSU012200	U	3.0	1	2	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	9	Large size, general purpose	1.06	.75	.67	.50
688-SSSU014800	SSSU014800	V	3.0	1	3	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	6	Large size, general purpose	1.20	.85	.76	.57
688-SSSU022800	SSSU022800	U	3.0	2	2	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	9	Large size, general purpose	1.41	1.00	.90	.66
688-SSSU042100	SSSU042100	W	3.0	4	2	0.1A @ 30VDC	Snap-inPCB	Vertical	Non-shorting	----	9	Large size, general purpose	2.19	1.55	1.39	1.03
688-SSSU121700	SSSU121700	X	3.0	2	2	0.1A @ 30VDC	Snap-inPCB	Horizontal	Non-shorting	----	6	Large size, general purpose	1.41	1.00	.90	.66
688-SSSU122200	SSSU122200	X	3.0	2	2	0.1A @ 30VDC	Snap-inPCB	Horizontal	Non-shorting	----	9	Large size, general purpose	1.41	1.00	.90	.66
688-SSSB021500	SSSB021500	Y	4.0	2	2	0.3A @ 30VDC	PCB	Vertical	Non-shorting	----	6	Reliable operational feel	3.53	2.49	2.24	1.66
688-SSSB022200	SSSB022200	Y	4.0	2	2	0.3A @ 30VDC	PCB	Vertical	Non-shorting	----	9	Reliable operational feel	3.53	2.49	2.24	1.66
688-SSSB042000	SSSB042000	Z	4.0	4	2	0.3A @ 30VDC	PCB	Vertical	Non-shorting	----	6	Reliable operational feel	4.24	2.99	2.69	1.99
688-SSST011000	SSST011000	AA	4.0	1	2	0.1A @ 12VDC	SMD	Vertical	Non-shorting	Yes	2	Self-return type	1.91	1.35	1.21	.90
688-SSST010600	SSST010600	BB	4.0	1	2	0.1A @ 12VDC	Snap-in PCB	Vertical	Non-shorting	----	2	Self-return type	1.91	1.35	1.21	.90
688-SSST010500	SSST010500	BB	4.0	1	2	0.1A @ 12VDC	Snap-in PCB	Vertical	Non-shorting	----	3	Self-return type	1.91	1.35	1.21	.90

ALPS POWER SLIDE SWITCH

RoHS Compliant For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Travel (mm)	Contact Form	Contact Rating	Mounting Style	Actuation Direction	Operating Force	Features	Price Each 1	50	100	500
688-SDKTA20100	SDKTA20100	CC	2.2	SPDT	6A @ 125 VAC	PCB	Vertical	0.98±3.92N	Smooth sliding operation	2.59	1.83	1.65	1.22

C&K Slide Switches

C&K AYZ SERIES MINIATURE SLIDE SWITCHES

Specifications:

- Dielectric Strength: 0.1 kV @ 50 Hz/1 min.
- Max Switching Power: 1.2 VA
- Max Switching Voltage: 12 VDC
- Max. Switching Current: 100 mA
- PC thru-hole termination
- Silver plated contacts

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
611-AYZ0102AGRL	AYZ0102AGRL	A	SPDT	On-On	.74	.71	.67	.64
611-AYZ0202AGRL	AYZ0202AGRL	B	DPDT	On-On	1.08	1.03	.98	.93
611-AYZ0103AGRL	AYZ0103AGRL	C	SP3T	On-On-On	.78	.75	.71	.68
611-AYZ0203AGRL	AYZ0203AGRL	D	DP3T	On-On-On	1.08	1.03	.98	.93

C&K ES SERIES SEALED TINY SLIDE SWITCHES

Specifications:

- Actuator Height: .121"
- Contact Rating: 0.4 VA max. @ 20 VAC or DC max.
- Lead free
- Mechanical and Electrical Life: 40,000 make-and-break cycles at full load
- Dielectric Strength: 500 Vrms min.

LEAD-FREE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
PC Thru-Hole								
611-ES02MCBE	ES02MCBE	E	SPST	Off-None-On	4.50	4.11	3.60	3.08
611-ES21MCBE	ES21MCBE	E	DPDT	On-None-On	5.06	4.62	4.05	3.66
Right-Angle PC Thru-Hole								
611-ES22MABE	ES22MABE	F	DPST	Off-None-On	5.90	5.39	4.72	4.32
611-ES01MAVBE	ES01MAVBE	G	SPDT	On-None-On	4.57	4.18	3.65	3.24
Right-Angle Surface Mount								
611-ES03MSABE	ES03MSABE	H	SPDT	On-Off-On	5.04	4.61	4.03	2.93

C&K OS SERIES MINIATURE SLIDE SWITCHES

Specifications:

- Dielectric Strength: 500 VAC for 1 minute
- Contact Rating: 0.2 A @ 30 VDC
- PC and panel mounting
- Mechanical and Electrical Life: 10,000 cycles
- Shorting or Non-shorting contacts
- Variety of actuators and terminations

RoHS Compliant

* Non-Shorting ** Shorting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
Vertical Termination								
*611-OS102011MS2QN1	OS102011MS2QN1	I	SPDT	On-On	.31	.29	.28	.26
**611-OS102011MS2QS1	OS102011MS2QS1	I	SPDT	On-On	.33	.32	.30	.29
611-OS103011MS8QP1	OS103011MS8QP1	J	SP3T	On-On-On	.40	.38	.36	.34
611-OS103012MU1QP1	OS103012MU1QP1	K	SP3T	On-On-On	.57	.54	.51	.49
611-OS103012MU2QP1	OS103012MU2QP1	L	SP3T	On-On-On	.56	.54	.51	.48
*611-OS202011MS2QN1	OS202011MS2QN1	M	DPDT	On-On	.46	.44	.42	.40
**611-OS202011MS2QS1	OS202011MS2QS1	M	DPDT	On-On	.46	.44	.42	.40
*611-OS202011MV4QN1	OS202011MV4QN1	N	DPDT	On-On	.52	.50	.47	.45
**611-OS202011MV4QS1	OS202011MV4QS1	N	DPDT	On-On	.53	.50	.48	.46
*611-OS202013MT5QN1	OS202013MT5QN1	O	DPDT	On-On	.47	.45	.43	.41
*611-OS202013MT8QN1	OS202013MT8QN1	P	DPDT	On-On	.56	.54	.51	.48
611-OS203011MS1QP1	OS203011MS1QP1	Q	DP3T	On-On-On	.58	.56	.53	.50
*611-OS203013MT6QN1	OS203013MT6QN1	R	DP3T	On-On-On	.46	.44	.42	.40
Right-Angle Termination								
611-OS102011MA1QN1	OS102011MA1QN1	S	SPDT	On-On	.29	.28	.26	.25
**611-OS102011MA1QS1	OS102011MA1QS1	S	SPDT	On-On	.30	.29	.27	.26
611-OS103011MA7QP1	OS103011MA7QP1	T	SP3T	On-On-On	.39	.37	.35	.34
*611-OS202011MA0QN1	OS202011MA0QN1	U	DPDT	On-On	.41	.39	.37	.35
**611-OS202011MA0QS1	OS202011MA0QS1	U	DPDT	On-On	.41	.39	.37	.35
611-OS203011MA2QP1	OS203011MA2QP1	V	DP3T	On-On-On	.50	.48	.45	.43

C&K LP SERIES: MINIATURE SNAP-IN SLIDE SWITCHES

Specifications:

- Dielectric Strength: 1000 Vrms min. @ sea level
- Contact Rating: 6A @ 125 VAC
- Easy Assembly - Snap-In Mounting
- Contamination resistant - extended actuator

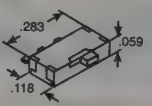
RoHS Compliant

For quantities of 500 and up, call for quote.

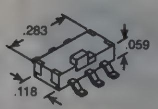
MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Price Each			
					1	25	50	100
611-LP02C21T203DQ	LP02C21T203DQ	W	SPDT	On-Off	2.59	2.45	2.24	2.17
611-LP02C31T203DQ	LP02C31T203DQ	W	SPDT	On-Off	2.78	2.63	2.41	2.33
611-LP22C31T203DQ	LP22C31T203DQ	W	DPDT	On-Off	3.55	3.36	3.07	2.98

DIMENSIONS: In.

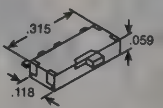
A



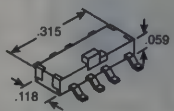
B



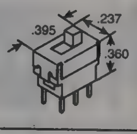
C



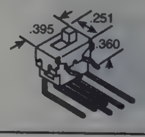
D



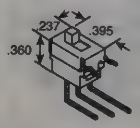
E



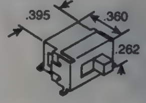
F



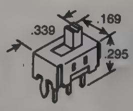
G



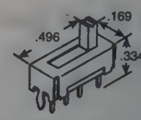
H



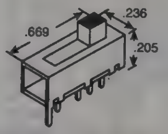
I



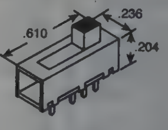
J



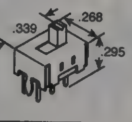
K



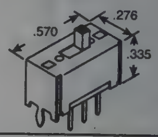
L



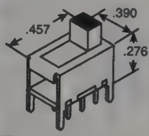
M



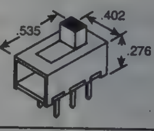
N



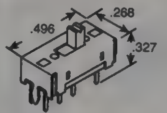
O



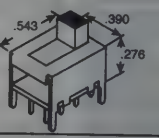
P



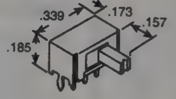
Q



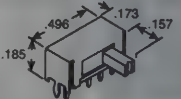
R



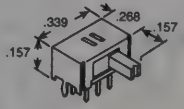
S



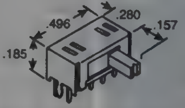
T



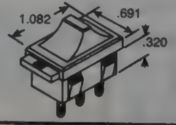
U



V



W



C&K TS SERIES: TINY SLIDE SWITCHES

Features:
- Epoxy terminal seal makes these compatible with bottom-wash cleaning

Applications:
- Instrumentation
- Computer peripherals

Specifications:
- Contact Material: B- Cu alloy, w/Au plate over Ni plate, Au plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
- Dielectric Strength: 1000 Vrms min. @ sea level
- Electrical Life: TS01 models - 60,000 cycles @ full load
  TS03 models - 30,000 cycles @ full load

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-TS01CBE	TS01CBE	A	SPDT	On-None-On	B	3.33	3.18	3.02	2.87
Right-Angle PC Thru-Hole									
611-TS01ABE	TS01ABE	B	SPDT	On-None-On	B	3.62	3.45	3.29	3.12

C&K 1000 SERIES: MINIATURE SLIDE SWITCHES

Features:
- Epoxy terminal seal makes these compatible with bottom-wash cleaning

Applications:
- Instrumentation
- Computer peripherals

Specifications:
- Contact Material: B- Cu alloy, w/ Au plate over Ni plate, Au plate terminal
  Q- Cu alloy, w/Ag plate, Ag plate terminal
- Contact Rating: B- 0.4VA @ 20VAC or DC max.
  Q- 6A @ 120VAC or 28VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-1101M2S3CBE2	1101M2S3CBE2	C	SPDT	On-None-On	B	3.69	3.50	3.32	3.13
611-1101M2S3CQE2	1101M2S3CQE2	C	SPDT	On-None-On	Q	2.33	2.19	2.06	1.92
611-1201M2S3CBE2	1201M2S3CBE2	D	DPDT	On-None-On	B	4.53	4.27	4.01	3.75
611-1201M2S3CQE2	1201M2S3CQE2	D	DPDT	On-None-On	Q	4.53	4.27	4.01	3.75
Right-Angle PC Thru-Hole									
611-1101M2S3ABE2	1101M2S3ABE2	E	SPDT	On-None-On	B	2.66	2.51	2.36	2.20
611-1101M2S3AQE2	1101M2S3AQE2	E	SPDT	On-None-On	Q	2.66	2.51	2.36	2.20
611-1101M2S3AV2BE2	1101M2S3AV2BE2	F	SPDT	On-None-On	B	3.53	3.32	3.12	2.92
611-1101M2S3AV2QE2	1101M2S3AV2QE2	F	SPDT	On-None-On	Q	2.66	2.51	2.36	2.20
Solder Lug									
611-1101M1S3ZQE2	1101M1S3ZQE2	G	SPDT	On-None-On	Q	2.26	2.13	2.00	1.87

C&K L SERIES: MINIATURE SLIDE SWITCHES

Features:
- Positive detent

Applications:
- Communications equipment
- Lighting devices

Specifications:
- Contact Material: Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Contact Rating: Q- 4A @ 120VAC or 28VDC
- Actuator Height: PC thru-hole models - 200";
  Right-angle PC thru-hole models - .335"

RoHS Compliant

() = Momentary

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Circuit	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-L202011MS02Q	L202011MS02Q	I	DPDT	On-Off	Q	2.19	2.09	1.99	1.89
611-L203011MS02Q	L203011MS02Q	K	DP3T	On-On-On	Q	2.33	2.22	2.11	2.00
Right-Angle PC Thru-Hole									
611-L102021ML04Q	L102021ML04Q	H	SPDT	On-None-On	Q	1.37	1.30	1.24	1.17
611-L202021MA04Q	L202021MA04Q	J	DPDT	On-None-On	Q	2.73	2.60	2.47	2.35
611-L212132MV02Q	L212132MV02Q	L	DPDT	(On)-None-On	Q	3.71	3.54	3.37	3.19

C&K S SERIES: POWER SLIDE SWITCHES

Features:
- Enclosed housing

Applications:
- Portable tools and small appliances

Specifications:
- Contact Material: Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Dielectric Strength: 1000 Vrms min. @ sea level
- Electrical Life: 10,000 cycles @ full load

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	AMP Rating	Contact Material	Price Each			
						1	25	100	250
PC Thru-Hole									
611-S202031MS02Q	S202031MS02Q	M	DPDT	6	Q	2.13	2.03	1.93	1.83
Panel Mount with Mounting Ears									
611-S101031SS03Q	S101031SS03Q	N	SPST	6	Q	1.52	1.45	1.38	1.31
611-S602031SS03Q	S602031SS03Q	N	DPDT	12	Q	2.21	2.11	2.01	1.91

C&K V SERIES: POWER AND LINE VOLTAGE SELECT

Applications:
- Appliances

Specifications:
- Contact Material: Q- Cu alloy, w/ Ag plate, Ag plate terminal
- Contact Form: DPDT On-On

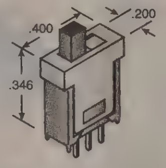
RoHS Compliant

For quantities of 500 and up, call for quote.

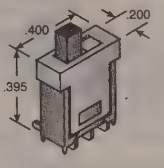
MOUSER STOCK NO.	C&K Part No.	Fig.	Contact Form	Mounting Style	Price Each			
					1	25	100	250
611-V80212MS02Q	V80212MS02Q	O	DPDT	PC thru-hole	3.35	3.19	3.03	2.88
611-V80212SS05Q	V80212SS05Q	P	DPDT	Mounting ears, QC	3.35	3.19	3.03	2.88
611-V80212MA08Q	V80212MA08Q	Q	DPDT	R/A PC thru-hole	4.10	3.91	3.72	3.53

DIMENSIONS: in.

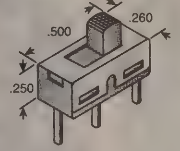
A



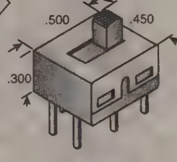
B



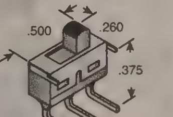
C



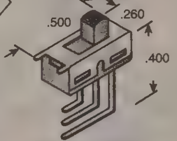
D



E

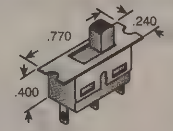


F

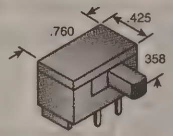


(SPDT Shown)

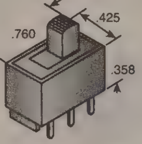
G



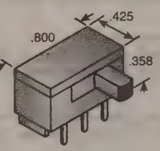
H



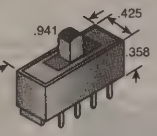
I



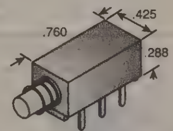
J



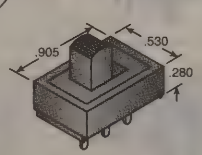
K



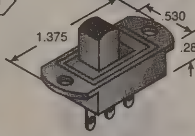
L



M

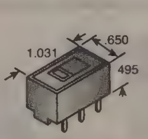


N

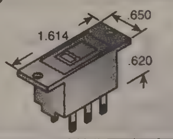


(DPDT Shown)

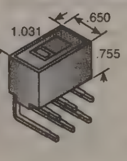
O



P



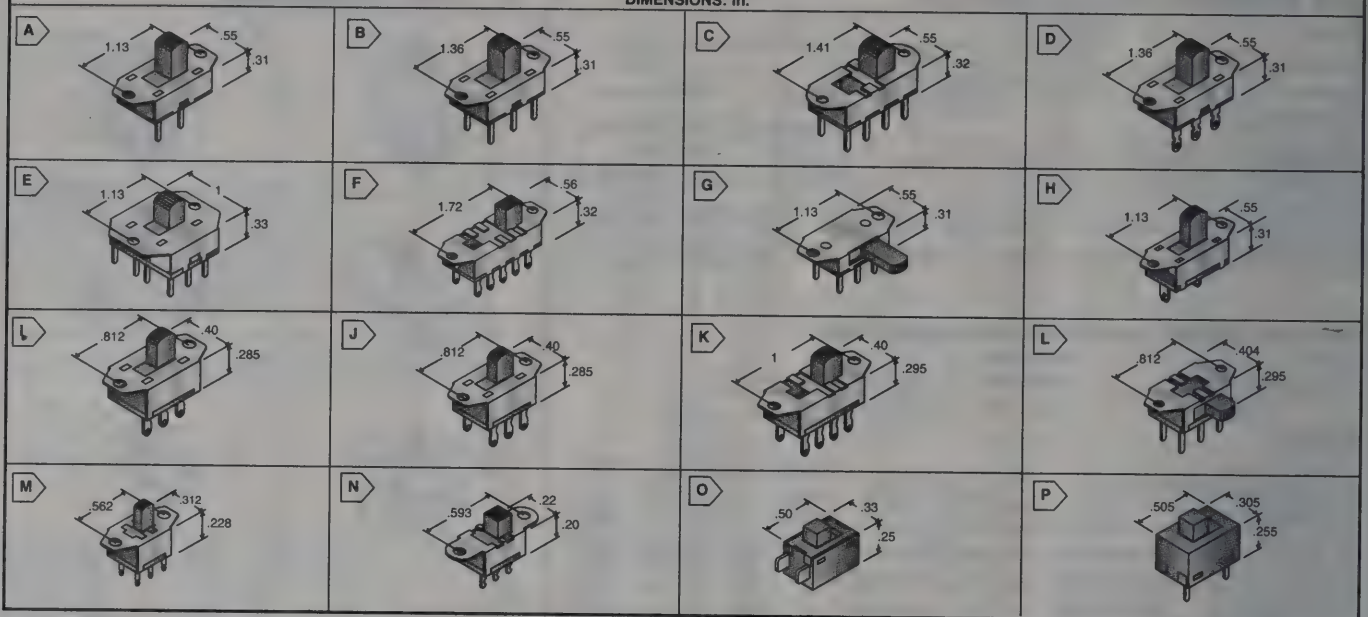
Q



Slide Switches

RoHS Compliant **This page of product is compliant.**

DIMENSIONS: in.



CW INDUSTRIES An ISO 9001 Company

SLIDE SWITCHES

Materials:
- Buttons: black type 6/6 nylon
- Housings: cold rolled steel
- Housing Plating: zinc followed by clear chromate
- Terminals: copper
- Terminal Plating: silver is standard
- Terminal Board: N.E.M.A. grade XP Phenolic Laminate

RoHS Compliant

Specifications:
- Contact Resistance: >0.01Ω @ 20mA DC
- Operating Temperature: 104°C MAX to -10°C MIN

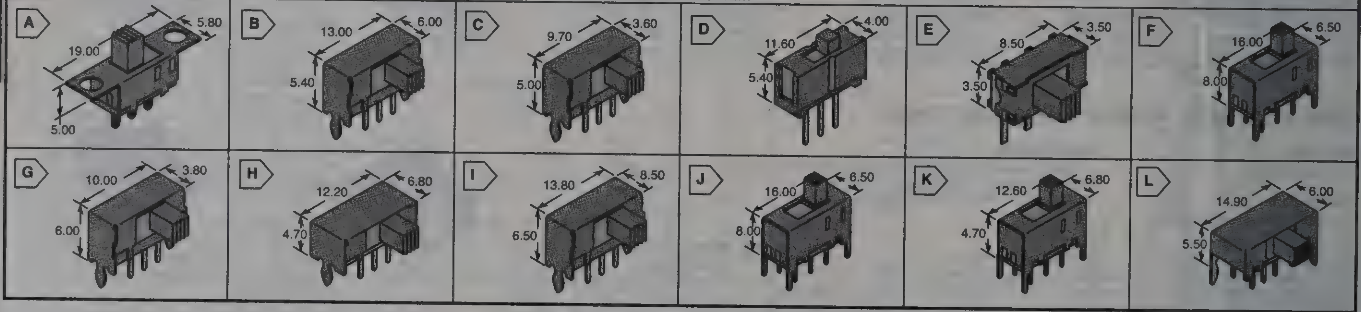
Life cycling (no load): Switch will be operative after 10,000 (minimum) cycles at the rate of 10 cycles per minute.

Life cycling (load): Switches will be operative after 6,000 (minimum) cycles at the rate of 10 cycles per minute at rated load.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	CW Industries Part Number	Fig.	Type	Rating	Price Each			
					1	10	100	500
Standard								
629-GF11231110	GF-1123-1110	A	SPST	11A125VAC	.93	.85	.72	.66
629-GF11261110	GF-1126-1110	B	DPDT	11A125VAC	1.08	.98	.83	.77
629-G1128S1110	G-1128S-1110	C	DP3T	11A125VAC	1.23	1.11	.94	.87
629-GF6246014	GF-624-6014	D	SPDT	6A125VAC	.50	.45	.38	.35
629-GF6426010	GF-642-6010	E	4PDT	6A125VAC	1.02	.93	.79	.73
629-G1138S1110	G-1138S-1110	F	DP4T	11A125VAC	1.24	.13	.96	.89
629-GG3503010	GG-350-3010	G	DPDT	.5A125VDC	.57	.52	.44	.41
629-GF16230001	GF1623-0001	H	SPST	16A125VDC	.68	.60	.45	.31
Miniature								
629-GF1233011	GF-123-3011	I	SPST	3A125VDC	.51	.45	.38	.35
629-GF1263011	GF-126-3011	J	DPDT	3A125VDC	.74	.68	.57	.53
629-G128S3011	G-128S-3011	K	DP3T	3A125VDC	.85	.78	.66	.61
629-GI1523011	GI-152-3010	L	DPDT	3A125VDC	1.00	.91	.77	.71
Micro-Miniature								
629-GS1130512	GS-113-0512	M	DPDT	.5A125VAC/VDC	1.11	1.01	.85	.79
629-GS1150511	GS-115-0511	N	SPDT	.5A125VAC/VDC	.84	.85	.72	.67
629-G1050513	G-105-0513	O	SPST	.5A125VAC/VDC	.76	.69	.59	.54
629-G1070513	G-107-0513	P	SPDT	.5A125VAC/VDC	1.23	1.12	.95	.88

DIMENSIONS: mm



E•SWITCH™

EG SERIES SLIDE SWITCHES

Specifications:
- Contact rating: 30VDC, 0.2A (except EG2308: 12VDC, 0.1A)
- Contact resistance: less than 20mΩ minimum initially
- Insulation resistance: 500VDC-100mΩ minimum
- Dielectric strength: 500VAC for one minute between any terminal and frame.
- Operating temperature: -20°C to +70°C (-4°F to +158°F)
- Life: 10,000 cycles minimum
- Soldering: Auto 270±5°C/ 3 seconds; Manual 350±10°C/ 3 seconds

RoHS Compliant

Materials:
- Contact: Silver plated copper alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	E-Switch Part No.	Fig.	Type	Circuit	Act. Length (mm)	Price Each			
						1	10	50	100
612-EG1201	EG1201	A	SPDT	On-On	4	.66	.59	.51	.40
612-EG1201A	EG1201A	A	SPDT	On-On	5.5	.66	.59	.51	.40
612-EG1206A	EG1206A	B	SPDT	On-On	6	.66	.59	.51	.40
612-EG1213	EG1213	C	SPDT	On-On	5.1	.66	.59	.51	.40
612-EG1218	EG1218	D	SPDT	On-On	2	.66	.59	.51	.40
612-EG1270	EG1270	E	SPDT	On-On	2	.84	.76	.64	.50
612-EG2201A	EG2201A	F	DPDT	On-On	6	.93	.84	.71	.56
612-EG2208	EG2208	G	DPDT	On-On	4	.84	.76	.64	.50
612-EG2215	EG2215	H	DPDT	On-On	3.5	.84	.76	.64	.50
612-EG2219	EG2219	I	DPDT	On-On	8.5	.93	.84	.71	.56
612-EG2301	EG2301	J	DP3T	On-On-On	3	.84	.76	.64	.50
612-EG2305	EG2305	K	DP3T	On-On-On	4	1.02	.92	.78	.61
612-EG2308	EG2308	L	DP3T	On-On-On	4	.87	.78	.67	.52
612-EG4208	EG4208	L	4PDT	On-On	4	1.62	1.46	1.24	.97
612-EG4208A	EG4208A	L	4PDT	On-On	4	1.53	1.38	1.17	.92

MOUNTAIN SWITCH Slide Switches

Specifications:
- Contact resistance: 10mΩ max.
- Electrical life: 30,000 cycles
- Insulation resistance: 1000MΩ min.
- Operating temperature: -30°C to +85°C

✱ Nickel plated

MINIATURE SLIDE SWITCHES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Knob Ht. (in.)	Price Each		
						1	10	100
PC Terminals								
10SP001	A	SPDT	On-On	.5A/50VDC	.15	.34	.29	.26
✱10SP003	B	SPDT	On-On	.5A/50VDC	.15	.36	.31	.27
10SP013	C	SPDT	On-On	.5A/50VDC	.14	.42	.34	.28

SUB-MINIATURE SLIDE SWITCHES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Knob Ht. (in.)	Price Each		
						1	10	100
PC Terminals								
10SP012	D	DPDT	On-On	.5A/50VDC	.28	.34	.31	.27
10SL005	E	DPDT	On-On	.5A/50VDC	.51	.45	.39	.36
10SP018	F	SPDT	On-On	.5A/50VDC	.15	.43	.36	.33
✱10SP019	F	SPDT	On-On	.5A/50VDC	.15	.43	.36	.33
10SP020	G	DPDT	On-On	.3A/50VDC	.20	.21	.17	.15
10SL009	H	DPDT	On-On	.5A/50VDC	.59	.50	.40	.36
102-1221-EV	I	SPDT	On-On	5A/120VAC	.20	2.58	2.23	1.88
102-1261-EV	J	SPDT	On-On	5A/120VAC	.186	2.92	2.52	2.13
102-1271-EV	K	SPDT	On-On	5A/120VAC	.186	2.92	2.52	2.13
Solder Terminals								
10SM002	L	DPDT	On-On	.5A/50VDC	.35	.34	.26	.21
10SL001	M	DPDT	On-On	.5A/50VDC	.47	.53	.45	.41
102-1211-EV	N	SPDT	On-On	5A/120VAC	.20	2.49	2.17	1.82
102-2211-EV	O	DPDT	On-On	5A/120VAC	.20	3.55	2.99	2.53
10SM003	L	DPDT	On-On	.5A/50VDC	.23	.34	.26	.21

SLIDE SWITCHES

For quantities of 500 and up, call for quote.

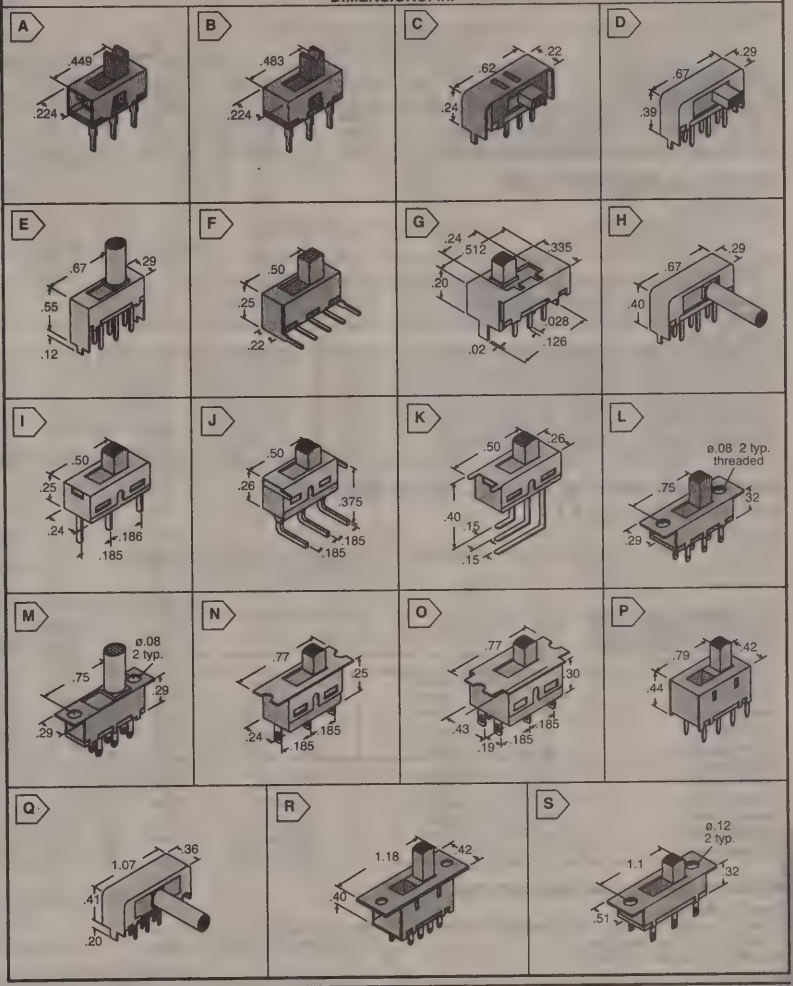
MOUSER STOCK NO.	Fig.	Type	Circuit	Rating	Knob Ht. (in.)	Price Each		
						1	10	100
PC Terminals								
10SP015	P	DP3T	On-On-On	.5A/50VDC	.36	.69	.59	.54
10SL008	Q	DP3T	On-On-On	.5A/50VDC	.59	.88	.70	.64
Solder Terminals								
10SP016	R	DP3T	On-On-On	.5A/50VDC	.36	.69	.59	.54
10SS002-EV	S	DPDT	On-On	.5A/125VDC	.35	1.08	.89	.82

SCREWS FOR 10SM002

For quantities of 25,000 and up, call for quote.

MOUSER STOCK NO.	Thread Size (mm)	Length (mm)	Price Each			
			1	100	1000	10,000
✱48SM004	M2 x 0.4	4	- - -	.16	.014	.013
48SM006	M2 x 0.4	6	- - -	.16	.014	.013

DIMENSIONS: in.


A
.449
.224
B
.483
.224
C
.62
.22
.24
D
.67
.29
.39
E
.67
.29
.55
.12
F
.50
.25
.22
G
.24
.512
.335
.20
.028
.126
.02
H
.67
.29
.40
I
.50
.25
.24
.186
.185
J
.50
.26
.375
.185
.185
K
.50
.26
.40
.15
.15
.185
L
ø.08 2 typ.
threaded
.75
.32
.29
M
ø.08
2 typ.
.75
.29
.29
N
.77
.25
.24
.185
.185
O
.77
.30
.43
.19
.185
.185
P
.79
.42
.44
Q
1.07
.36
.41
.20
R
1.18
.42
.40
S
ø.12
2 typ.
1.1
.32
.51

SLIDE SWITCHES

Sub-Miniature Slide Switches

Specifications:
- Rating: 1A/250VAC, 3A/120VAC or 28VDC
- Contact resistance: 20mΩ max.
- Insulation resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each			
				1	10	100	500
103-5000-EV	A	SPDT	On-On	3.38	3.19	2.40	1.79
103-5001-EV	B	SPDT	On-On	3.38	3.19	2.40	1.79

Miniature Slide Switches

Specifications:
- Rating: 1A/250VAC, 3A/120VAC or 28VDC
- Contact resistance: 50mΩ max.
- Insulation resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

103-5005-EV	C	DPDT	On-On	3.25	3.02	2.64	2.49
103-5002-EV	C	SPDT	On-On	2.97	2.76	2.41	2.28
103-5004-EV	C	SPDT	On-Off-On	3.55	3.30	2.88	2.72
103-5003-EV	D	SPDT	On-On	2.97	2.76	2.41	2.28

Slide Switches

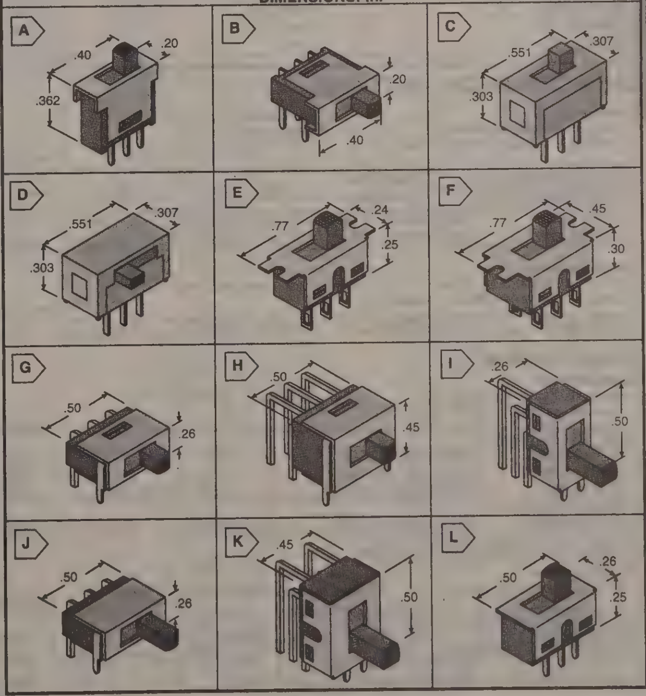
Specifications:
- Rating: 2A/250VAC, 5A/120VAC or 28VDC
- Contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.

RoHS Compliant

For quantities of 1000 and up, call for quote.

103-5006-EV	E	SPDT	On-On	3.29	2.94	2.49	2.27
103-5008-EV	E	SPDT	On-(On)	3.29	2.94	2.49	2.27
103-5012-EV	F	DPDT	On-On	2.98	2.77	2.40	2.20
103-5007-EV	G	SPDT	On-On	3.52	3.14	2.66	2.43
103-5014-EV	H	DPDT	On-Off-On	4.61	4.29	3.33	3.10
103-5009-EV	I	SPDT	On-(On)	2.98	2.77	2.42	2.29
103-5010-EV	E	SPDT	On-Off-On	2.98	2.77	2.42	2.29
103-5011-EV	J	SPDT	On-Off-On	3.04	2.89	2.53	2.37
103-5013-EV	K	DPDT	On-On	4.00	3.72	2.89	2.69
103-5015-EV	E	SPDT	On-On	3.29	2.94	2.49	2.27
103-5016-EV	L	SPDT	On-On	3.29	2.94	2.49	2.27

DIMENSIONS: in.


A
.40
.20
.362
B
.20
.40
C
.551
.307
.303
D
.551
.307
.303
E
.77
.24
.25
F
.77
.45
.30
G
.50
.26
H
.50
.45
I
.26
.50
J
.50
.26
K
.45
.50
L
.50
.26
.25

ALPHA MINIATURE SLIDE SWITCHES

Specifications:
- Contact Resistance: 10mΩ max
- Electrical Life: 30,000 cycles
- Operating Temperature: -30°C to +85°C
- Insulation Resistance: 1000MΩ min.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Type	Rating	Price Each 1	10	100	500	1000
106-SS60012F-12	SS60012F-12	A	SPDT	.3A/125 VDC	.75	.63	.57	.52	.48
106-SS70020F-22-6	SS70020F-0202-6T-NB	B	DPDT	.3A/125 VDC	.64	.53	.48	.44	.40
106-SS70020F-22-12	SS70020F-0202-12T-NB	B	DPDT	.3A/125 VDC	.64	.53	.48	.44	.40

ALPHA SLIDE SWITCHES

Specifications:
- Contact Resistance: 25mΩ max
- Dielectric Strength: 500VAC/1 minute
- Insulation Resistance: 500VDC-100MΩ min.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Type	Rating	Price Each 1	10	100	500	1000
Non-Shorting									
105-SV71030F-13NS	SV71030F-0103-9T-NP	C	SP3T	.1A/30VDC	1.49	1.30	.91	.81	.74
105-SV62010F-22NS	SV62010F-0202-4K-NN	D	DPDT	.3A/30VDC	1.02	.95	.81	.75	.68
105-SS40010F-12NS	SS40010F-0102-2.5G-NN	E	SPDT	.3A/125VAC	1.02	.95	.81	.75	.68
Free Timing									
105-SS65010F-22FT	SS65010F-0202-4.5H-FN	F	DPDT	.5A/50VDC	1.49	1.30	.91	.81	.74
105-SS65010F-23FT	SS65010F-0203-4.5H-FN	F	DP3T	.5A/50VDC	1.49	1.30	.91	.81	.74
105-SS91030F-23FT	SS91030F-0203-12T-FN	G	DP3T	.3A/125VAC	1.71	1.53	1.14	1.05	.98
105-SV65010F-12FT	SV65010F-0102-6H-FN	H	SPDT	.3A/125VAC	1.62	1.43	1.04	.95	.88
105-SV65020F-13FT	SV65020F-0103-6H-01-FN	H	SP3T	.3A/125VAC	1.62	1.43	1.04	.95	.88
105-SV68010F-23FT	SV68010F-0203-6V-FS	I	DP3T	.3A/125VAC	1.02	.95	.81	.75	.68

MOUNTAIN SWITCH TRAVEL SLIDE SWITCHES

2mm Travel Slide Switch

Specifications:
- Rating: Non-Switching-100mA/50VDC Switching-25mA/24VDC
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 100MΩ min.
- Operating Temperature: -20°C to +70°C
- Dielectric Strength: 500VAC/1 minute

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
Thru-Hole Type								
103-5026-EV	J	SPDT	On-On	3.08	2.57	2.14	1.79	1.63
103-5027-EV	J	SPDT	On-(On)	3.26	2.72	2.26	1.89	1.75
103-5028-EV	K	SP3T	On-On-On	3.32	2.77	2.31	1.93	1.81
103-5029-EV	K	SP3T	On-On-(On)	3.10	2.82	2.35	1.96	1.86
103-5030-EV	K	SP3T	(On)-On-(On)	3.45	2.88	2.40	1.99	1.90
SMD Type								
103-5031-EV	L	SPDT	On-On	3.08	2.57	2.14	1.79	1.63
103-5032-EV	L	SPDT	On-(On)	3.26	2.72	2.26	1.89	1.75
103-5033-EV	M	SP3T	On-On-On	3.32	2.77	2.31	1.93	1.81
103-5034-EV	M	SP3T	On-On-(On)	3.10	2.82	2.35	1.96	1.86
103-5035-EV	M	SP3T	(On)-On-(On)	3.45	2.88	2.40	1.99	1.90

Miniature 1.5mm Travel Slide Switches

Specifications:
- Rating: Non-Switching-300mA/4VDC Switching-25mA/24VDC
- Contact Resistance: 70mΩ max.
- Insulation Resistance: 100MΩ min.
- Operating Temperature: -20°C to +70°C
- Dielectric Strength: 100VAC/1 minute

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
SMD Type								
103-5040-EV	N	SPDT	On-On	3.08	2.57	2.14	1.89	1.75
103-5041-EV	O	SP3T	On-On-On	3.26	2.72	2.26	1.93	1.81
103-5042-EV	P	DPDT	On-On	3.10	2.82	2.35	1.96	1.86
103-5043-EV	Q	SP4T	On-On-On	3.45	2.88	2.40	1.99	1.90

SHIN CHIN SLIDE SWITCHES

Specifications:
- Rating: 6A/125VAC, 3A/250VAC
- Insulation Resistance: 500VDC 100MΩ min.
- Contact Resistance: 50mΩ max.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
112-R13-602A	R13-602A-05	R	SPST	On-Off	.79	.62	.58	.54	.50
112-R13-602B	R13-602B-05	R	DPDT	On-On	.79	.62	.58	.54	.50

Specifications:
- Rating: 3A/125VAC, 1.5A/250VAC
- Insulation Resistance: 500VDC 100MΩ min.
- Contact Resistance: 50mΩ max.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
112-R13-603C	R13-603C-05	S	SPDT	On-On	.79	.62	.58	.54	.50

Snap-In Mounting

Specifications:
- Rating: 16A/125VAC, 10A/250VAC
- Insulation Resistance: 500VDC 100MΩ min.
- Contact Resistance: 50mΩ max.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Type	Circuit	Price Each 1	10	100	500	1000
.187" QC Terminals									
112-R13-608A1	R13-608A1-02-BB9	T	SPST	On-Off	3.31	3.01	2.74	2.49	2.29
112-R13-608C-2	R13-608C1-02-BB5	T	SPDT	On-On	3.31	3.01	2.74	2.49	2.29
112-R13-608D	R13-608D1-02-BB5	T	SPDT	On-Off-On	3.31	3.01	2.74	2.49	2.29
Solder Terminals									
112-R13-608C-5	R13-608C1-05-BB5	T	SPDT	On-On	3.31	3.01	2.74	2.49	2.29

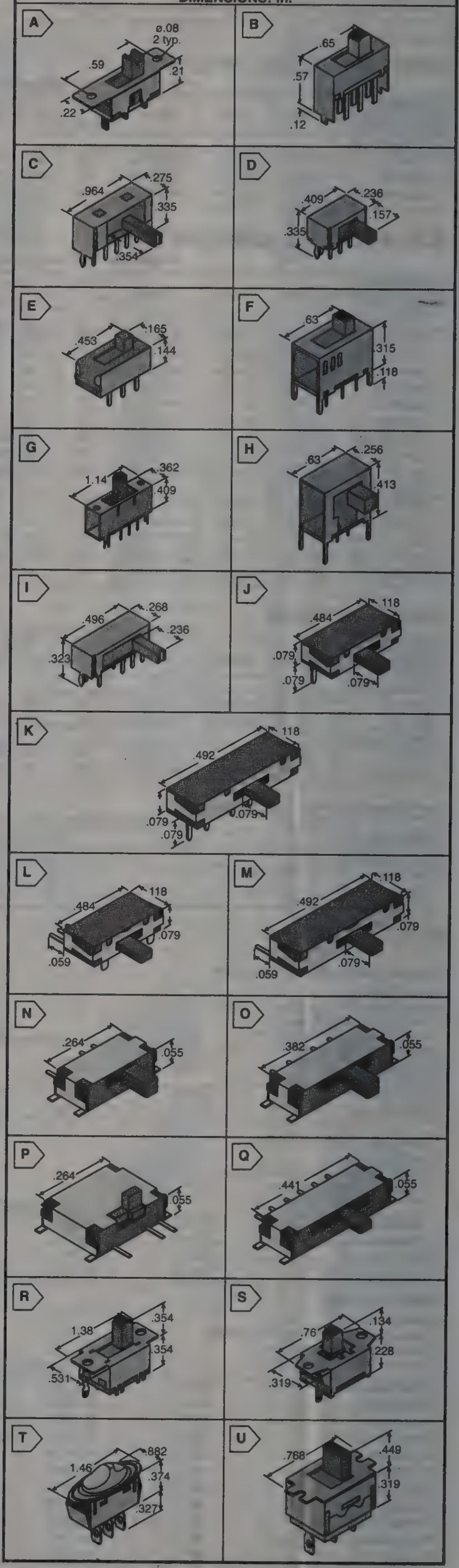
Illuminated (LED) Slide Switches

Specifications:
- Rating: 6A/125VAC, 3A/250VAC
- Contact Resistance: 50mΩ max.

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Shin Chin Part No.	Fig.	Button	Type	Circuit	Price Each 1	10	100	500	1000
112-R13-604C-R	R13-604C-05-BBR-L3	U	Red	SPDT	On-On	3.31	3.01	2.74	2.49	2.29
112-R13-604C-G	R13-604C-05-BBG-L3	U	Green	SPDT	On-On	3.31	3.01	2.74	2.49	2.29

DIMENSIONS: in.



NKK Slide Switches

SS SERIES: ULTRAMINIATURE PCB SLIDE SWITCHES

- Power rating: 0.1A @ 30VDC
- Polyamide housing
- Top or Side Actuation
- Compact and low profile design
- Crisp Actuation
- .100" x .100" terminal spacing (metric spacing also available, call for quote)

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Actuation	Price Each		
					1	25	50
633-SS12SDP2	SS12SDP2	A	SPDT On-None-On	Top	1.35	1.16	1.00
633-SS12SDH2	SS12SDH2	B	SPDT On-None-On	Side	1.35	1.16	1.00
633-SS14MDP2	SS14MDP2	C	SP3T On-On-On	Top	1.70	1.46	1.26
633-SS14MDH2	SS14MDH2	D	SP3T On-On-On	Side	1.70	1.46	1.26
633-SS22SDP2	SS22SDP2	E	DPDT On-None-On	Top	1.60	1.38	1.18
633-SS22SDH2	SS22SDH2	F	DPDT On-None-On	Side	1.60	1.38	1.18

MS SERIES: MINIATURE SLIDE SWITCHES

- Power rating: Silver 6A @ 125V AC & 3A @ 250V AC
  Gold 0.4VA max. @ 28V AC/DC max.
- UL94V-0 case
- Solder lug or straight PC terminals

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Mounting	Contact Material	Price Each	
						1	25
Right Angle PC							
633-MS13ASW30-RO	MS13ASW30-RO	G	SPDT On-Off-On	Support Bracket	Silver	4.72	4.37
633-MS23ASG30-RO	MS23ASG30-RO	H	DPDT On-Off-On	Support Bracket	Gold	8.34	7.71
Solder Lug							
633-MS22AFW01-RO	MS22AFW01-RO	I	DPDT On-None-On	Panel Mount	Silver	4.50	4.16
Straight PC							
633-MS12ANG03	MS12ANG03	J	SPDT On-None-On	Straight PC	Gold	3.46	3.20
633-MS13ANW03	MS13ANW03	J	SPDT On-Off-On	Straight PC	Silver	3.58	3.31
633-MS22ANG03	MS22ANG03	K	DPDT On-None-On	Straight PC	Gold	5.82	5.38
633-MS22ANW03-RO	MS22ANW03-RO	K	DPDT On-None-On	Straight PC	Silver	4.74	4.38
Vertical PC							
633-MS12ASW40-RO	MS12ASW40-RO	L	SPDT On-None-On	Support Bracket	Silver	4.66	4.31
633-MS22ASG40-RO	MS22ASG40-RO	M	DPDT On-None-On	Support Bracket	Gold	8.64	7.99
633-MS23ASG40-RO	MS23ASG40-RO	M	DPDT On-Off-On	Support Bracket	Gold	9.14	8.45

SS SERIES: ILLUMINATED ULTRAMINIATURE SLIDE SWITCHES

- Power rating: 0.1A @ 30VDC
- Polyamide housing
- Top or Side Actuation
- Compact and low profile design
- Crisp Actuation
- .100" x .100" terminal spacing (metric spacing also available, call for quote)
- Bright LED illumination

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each			
					1	25	50	100
Top Actuation								
633-SS12SDP2LC	SS12SDP2LC	N	SPDT On-None-On	Red	6.75	6.08	5.40	4.73
633-SS12SDP2LE	SS12SDP2LE	N	SPDT On-None-On	Yellow	6.75	6.08	5.40	4.73
633-SS12SDP2LF	SS12SDP2LF	N	SPDT On-None-On	Green	6.75	6.08	5.40	4.73
633-SS22SDP2LC	SS22SDP2LC	N	DPDT On-None-On	Red	7.00	6.30	5.60	4.90
633-SS22SDP2LE	SS22SDP2LE	N	DPDT On-None-On	Yellow	7.00	6.30	5.60	4.90
633-SS22SDP2LF	SS22SDP2LF	N	DPDT On-None-On	Green	7.00	6.30	5.60	4.90
Side Actuation								
633-SS12SDH2LC	SS12SDH2LC	O	SPDT On-None-On	Red	6.75	6.08	5.40	4.73
633-SS12SDH2LE	SS12SDH2LE	O	SPDT On-None-On	Yellow	6.75	6.08	5.40	4.73
633-SS12SDH2LF	SS12SDH2LF	O	SPDT On-None-On	Green	6.75	6.08	5.40	4.73
633-SS22SDH2LC	SS22SDH2LC	O	DPDT On-None-On	Red	7.00	6.30	5.60	4.90
633-SS22SDH2LE	SS22SDH2LE	O	DPDT On-None-On	Yellow	7.00	6.30	5.60	4.90
633-SS22SDH2LF	SS22SDH2LF	O	DPDT On-None-On	Green	7.00	6.30	5.60	4.90

MS SERIES: ILLUMINATED MINIATURE SLIDE SWITCHES

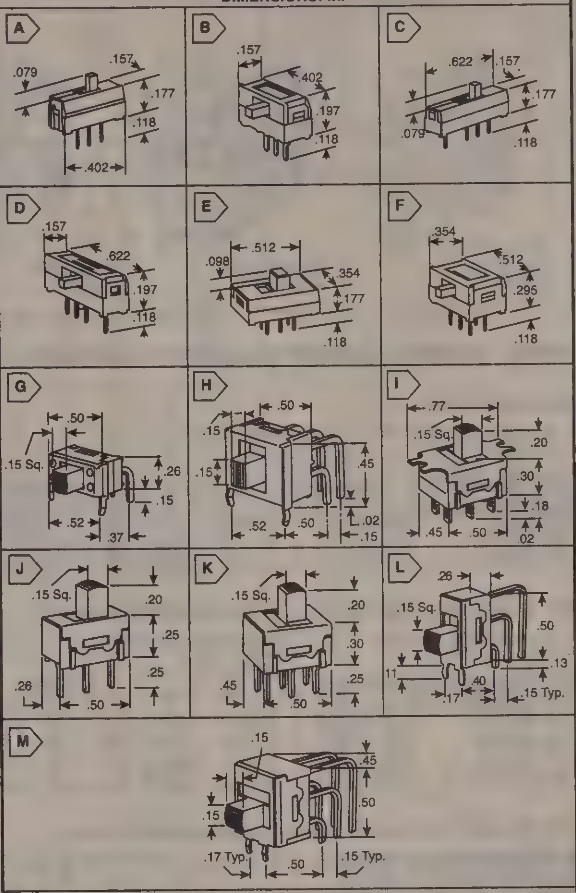
- Power rating: 6A @ 125V AC or 3A @ 250V AC
- Solder Lug or Straight PC Terminals
- Bright LED illumination
- UL94V-0 case

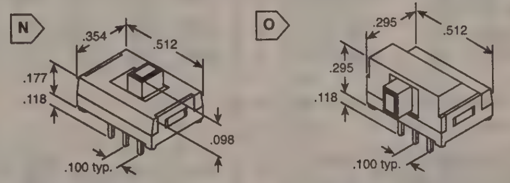
RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	LED Color	Price Each		
					1	25	50
Solder Lug							
633-MS13LFW01C	MS13LFW01C	P	SPDT On-Off-On	Red	7.45	7.15	6.71
633-MS13LFW01E	MS13LFW01E	P	SPDT On-Off-On	Yellow	7.45	7.15	6.71
633-MS13LFW01F	MS13LFW01F	P	SPDT On-Off-On	Green	7.45	7.15	6.71
Straight PC							
633-MS13LNW03C	MS13LNW03C	Q	SPDT On-Off-On	Red	7.57	7.27	6.81
633-MS13LNW03E	MS13LNW03E	Q	SPDT On-Off-On	Yellow	7.57	7.27	6.81
633-MS13LNW03F	MS13LNW03F	Q	SPDT On-Off-On	Green	7.57	7.27	6.81

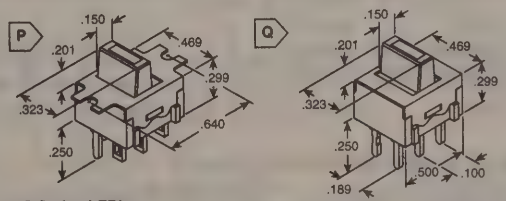
DIMENSIONS: In.





SS Series LED's

Isolated, LED Specifications	Color			Units
	Red	Yellow	Green	
Forward Peak Current	30	30	30	mA
Cont. Forward Current	16	16	16	mA
Forward Voltage	1.98	2.06	2.16	V
Reverse Peak Voltage	5	5	5	V
Crnt. Reduction Rate Above 25°C	.40	.42	.33	mA/°C
Ambient Temp. Range	-15°C ~ +60°C			

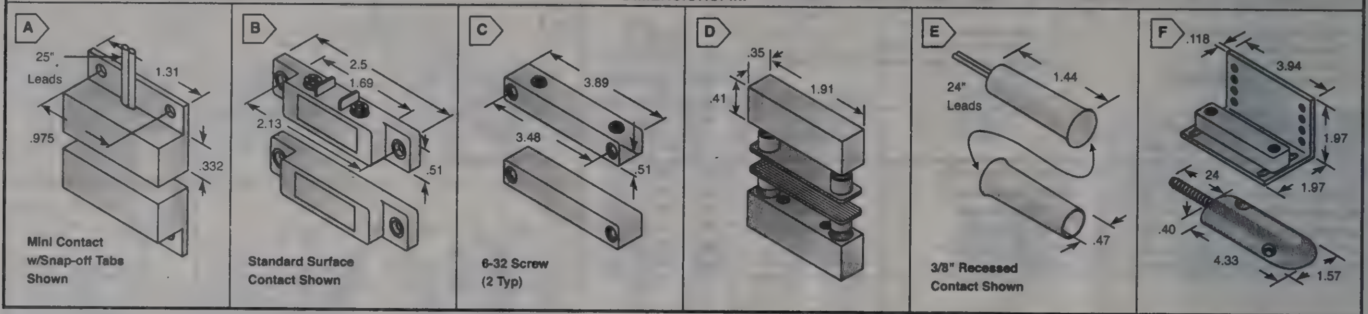


MS Series LED's

LED Specifications	Color			Units
	Red	Yellow	Green	
Forward Peak Current	30	30	30	mA
Cont. Forward Current	16	16	16	mA
Forward Voltage	1.98	2.06	2.15	V
Reverse Peak Voltage	5	5	5	V
Crnt. Reduction Rate Above 25°C	.40	.42	.33	mA/°C
Ambient Temp. Range	-15°C ~ +60°C			

AMSECO Magnetic Contacts

DIMENSIONS: in.



SURFACE MOUNT MAGNETIC CONTACTS

Micro Mini Contact

- 12 inch leads AWG #22 (UL1061)
- Operating gap: 1/2 inch
- Self adhesive and nail mount
- Magnet: Alnico 5

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-9B	505-90B	A	Brown	2.35	2.21	2.13	2.06	Call for Quote
507-AMS-9G	505-90G	A	Gray	2.35	2.21	2.13	2.06	
507-AMS-9I	505-90I	A	Ivory	2.35	2.21	2.13	2.06	

Mini Contact with Snap-Off Tabs and Center Leads (N/C Loop)

- 24 inch leads AWG #22 (UL1061)
- Operating gap: 3/4 inch
- Self adhesive and screw mount
- Magnet: Alnico 5

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-10B	505-101-BC	A	Brown	2.50	2.35	2.28	2.13	Call for Quote
507-AMS-10G	505-101-GC	A	Gray	2.50	2.35	2.28	2.13	
507-AMS-10I	505-101-IC	A	Ivory	2.50	2.35	2.28	2.13	
507-AMS-10W	505-101WC	A	White	2.50	2.35	2.28	2.13	

Mini Contact with Snap-Off Tabs and Side Leads (N/C Loop)

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-10BS	505-101-BS	A	Brown	2.50	2.35	2.28	2.13	Call for Quote
507-AMS-10GS	505-101-GS	A	Gray	2.50	2.35	2.28	2.13	
507-AMS-10IS	505-101IS	A	Ivory	2.50	2.35	2.28	2.13	
507-AMS-10WS	505-101-WS	A	White	2.50	2.35	2.28	2.13	

Standard Surface Contact (N/C Loop)

- Operating gap: 3/4 inch
- Magnet: Ferrite

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-39B	505-391B	B	Brown	2.80	2.73	2.55	2.40	Call for Quote
507-AMS-39G	505-391G	B	Gray	2.80	2.73	2.55	2.40	
507-AMS-39	505-391I	B	Ivory	2.80	2.73	2.55	2.40	
507-AMS-39W	505-391W	B	White	2.80	2.73	2.55	2.40	
Magnet Only								
507-AMS-505-392B	505-392B	-	Brown	1.23	1.15	1.12	1.08	Call for Quote
507-AMS-505-392G	505-392G	-	Gray	1.23	1.15	1.12	1.08	
507-AMS-505-392I	505-392I	-	Ivory	1.23	1.15	1.12	1.08	
507-AMS-505-392W	505-392W	-	White	1.23	1.15	1.12	1.08	

Industrial Magnetic Contact (N/C Loop)

- Operating gap: 2 inches
- Magnet: Alnico 5

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-37B	505-371B	C	Brown	5.63	5.49	5.28	4.93	Call
507-AMS-37	505-371G	C	Gray	5.63	5.49	5.28	4.93	

Magnetic Contact with Cover (N/C Loop)

- Operating gap: 3/4 inch
- 3/4 inch self-adhesive or screw mount
- Magnet: Alnico 5
- Patented design - no wire stripping required

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-51CVB	505-5114B	D	Brown	2.81	2.64	2.55	2.47	Call for Quote
507-AMS-51CVG	505-5114G	D	Gray	2.81	2.64	2.55	2.47	
507-AMS-51CVI	505-5114I	D	Ivory	2.81	2.64	2.55	2.47	
507-AMS-51CVW	505-5114W	D	White	2.81	2.64	2.55	2.47	
Magnet Only								
507-AMS-505-5124B	505-5124B	-	Brown	1.75	1.71	1.59	1.49	Call for Quote
507-AMS-505-5124I	505-5124I	-	Ivory	1.75	1.71	1.59	1.49	
507-AMS-505-5124W	505-5124W	-	White	1.75	1.71	1.59	1.49	

SURFACE MOUNT MAGNETIC CONTACTS (CONT.)

Mechanical Magnetic Contact (N/C, N/O Loop)

- SPDT (Form C) Switch
- Operating gap: 3/4 inch
- Gold plated silver point
- AC rating: 125V 3amps
- Magnet: Alnico 5

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-507-381BB	507-381BB	B	Brown	5.04	4.77	4.24	2.85	Call for Quote
507-AMS-507-381BG	507-381BG	B	Gray	5.04	4.77	4.24	2.85	
507-AMS-507-381BI	507-381BI	B	Ivory	5.04	4.77	4.24	2.85	
507-AMS-507-381BW	507-381BW	B	White	5.04	4.77	4.24	2.85	
Magnet Only								
507-AMS-507-382B	507-382B	-	Brown	2.57	2.43	2.16	1.35	Call for Quote
507-AMS-507-382I	507-382I	-	Ivory	2.57	2.43	2.16	1.35	
507-AMS-507-382W	507-382W	-	White	2.57	2.43	2.16	1.35	

PRESS FIT MAGNETIC CONTACTS

3/8" Mini Contact (N/C Loop)

- 12 inch leads AWG #22 (UL1061)
- Operating gap: 5/16 inch
- Magnet: Alnico 5

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-17B	505-171B	E	Brown	2.86	2.69	2.60	2.51	Call for Quote
507-AMS-17I	505-171I	E	Ivory	2.86	2.69	2.60	2.51	
507-AMS-17W	505-171W	E	White	2.86	2.69	2.60	2.51	
Magnet Only								
507-AMS-505-172B	505-172B	-	Brown	1.33	1.25	1.21	1.17	Call for Quote
507-AMS-505-172I	505-172I	-	Ivory	1.33	1.25	1.21	1.17	
507-AMS-505-172W	505-172W	-	White	1.33	1.25	1.21	1.17	

3/8" Recessed Contact (N/C Loop)

- 24 inch leads AWG #22 (UL1061)
- Operating gap: 5/8 inch
- Magnet: Alnico 5

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-21B	505-211B	E	Brown	2.55	2.45	2.40	2.20	Call
507-AMS-21I	505-211I	E	Ivory	2.55	2.45	2.40	2.20	
Magnet Only								
507-AMS-505-212B	505-212B	-	Brown	1.44	1.38	1.36	1.25	Call
507-AMS-505-212I	505-212I	-	Ivory	1.44	1.38	1.36	1.25	

1/4" Mini Contact (N/C Loop)

- 24 inch leads AWG #22 (UL1061)
- Operating gap: 5/8 inch
- Magnet: Alnico 5

MOUSER STOCK NO.	Amseco Part No.	Fig.	Color	Price Each				
				1	10	50	100	200+
507-AMS-20B	505-201B	E	Brown	2.55	2.45	2.40	2.20	Call for Quote
507-AMS-20I	505-201I	E	Ivory	2.55	2.45	2.40	2.20	
507-AMS-20W	505-201W	E	White	2.55	2.45	2.40	2.20	

OVERHEAD DOOR CONTACT

- Switch and magnet concealed in polished aluminum die-cast housing
- Magnet mounted on adjustable L bracket
- Operating gap: 2 inches
- 24 inch stainless armored cable

MOUSER STOCK NO.	Amseco Part No.	Fig.	Description	Price Each			
				1	10	50	100
507-ODC-59A	511-59A	F	SPST, N/C loop	12.29	11.55	11.18	10.80
507-ODC-59B	511-59B	F	SPDT, N/O, N/C loop	14.32	13.43	12.98	12.53

COTO Dry-Reed Switches

RoHS Compliant This page of product is compliant.

COMMERCIAL GRADE DRY-REED SWITCHES

Hermetically sealed in a gas-filled glass envelope. Single-pole, single-throw (SPST) type, having normally open contacts, and containing two magnetically actuated reeds. The switch is of the double-ended type and may be actuated by an electromagnet, a permanent magnet or a combination of both.

Features:
- Contact layers: Ruthenium on gold
- Superior glass-to-metal seal and blade alignment

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Switched Power (W)	Switched Current DC mA	Operate Range	Release Range	Dimensions In.			Price Each			
							A	B	C	1	10	25	50
RI-01C Series, Pico Dry-Reed													
816-RI-01CAA	RI-01CAA	A	10	250	7-19	3-16	0.531	1.811	0.071	.74	.61	.51	.41
816-RI-01CA	RI-01CA	A	10	500	16-25	4-18	0.531	1.811	0.071	.74	.61	.51	.41
RI-01B Series, Micro Dry-Reed													
816-RI-01BAAA	RI-01BAAA	A	5	250	6-16	3-15.5	0.591	1.811	0.100	.74	.61	.51	.41
816-RI-01BAA	RI-01BAA	A	10	500	14-23	4-21	0.591	1.811	0.100	.74	.61	.51	.41
816-RI-01BA	RI-01BA	A	10	500	18-32	5-27	0.591	1.811	0.100	.74	.61	.51	.41
RI-02 Series, Ultra-Miniature													
816-RI-02A	RI-02A	A	10	500	7-21	3-16	0.394	1.811	0.071	1.12	.95	.79	.64
RI-03 Series, Micro Dry-reed													
816-RI-03AAA	RI-03AAA	A	5	250	6-16	3-15.5	0.591	1.811	0.100	.80	.67	.55	.45
816-RI-03AA	RI-03AA	A	10	500	14-23	6-21	0.591	1.811	0.100	.80	.67	.55	.45
816-RI-03A	RI-03A	A	10	500	18-32	7-27	0.591	1.811	0.100	.80	.67	.55	.45
816-RI-03B	RI-03B	A	10	500	28-52	10-36	0.591	1.811	0.100	.80	.67	.55	.45
816-RI-03C	RI-03C	A	10	500	46-70	18-32	0.591	1.811	0.100	.80	.67	.55	.45
RI-05 Series, Close Differential Pico Dry-Reed													
816-RI-05AA	RI-05AA	A	10	400	7-19	80	0.531	1.811	0.071	1.20	1.01	.88	.81
816-RI-05A	RI-05A	A	10	400	16-25	75	0.531	1.811	0.071	1.20	1.01	.88	.81
RI-06 Series, Close Differential Micro Dry-Reed													
816-RI-06AA	RI-06AA	A	5	250	6-16	80	0.591	1.811	0.100	1.20	1.01	.88	.81
816-RI-06A	RI-06A	A	10	400	14-23	75	0.591	1.811	0.100	1.20	1.01	.88	.81
816-RI-06B	RI-06B	A	10	400	18-32	70	0.591	1.811	0.100	1.20	1.01	.88	.81
RI-07 Series, Pico Dry-Reed													
816-RI-07AAA	RI-07AAA	A	5	250	7-19	3-16	0.531	1.811	0.071	.80	.67	.55	.45
816-RI-07AA	RI-07AA	A	10	500	16-25	4-18	0.531	1.811	0.071	.80	.67	.55	.45
816-RI-07A	RI-07A	A	10	500	20-36	6-19.5	0.531	1.811	0.071	.80	.67	.55	.45

PROFESSIONAL GRADE DRY-REED SWITCHES

Hermetically sealed in a gas-filled glass envelope. Single-pole, single-throw (SPST) type, having normally open contacts, and containing two magnetically actuated reeds. The switch is of the double-ended type and may be actuated by an electromagnet, a permanent magnet or a combination of both.

Features:
- Superior glass-to-metal seal and blade alignment
- Excellent life expectancy and reliability

*SPDT

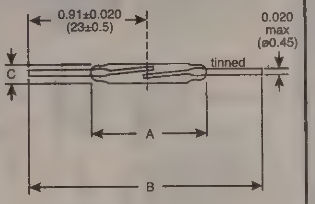
RoHS Compliant

For quantities of 100 and up, call for quote.

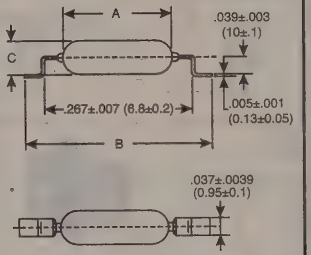
MOUSER STOCK NO.	Coto Part No.	Fig.	Switched Power (W)	Switched Current DC mA	Operate Range	Release Range	Dimensions In.			Price Each			
							A	B	C	1	10	25	50
RI-21 Series, Micro Dry-Reed													
816-RI-21AAA	RI-21AAA	A	10	500	8-16	4-14	0.591	1.811	0.100	1.20	1.01	.88	.81
816-RI-21AA	RI-21AA	A	10	500	14-23	7.5-17.5	0.591	1.811	0.100	1.20	1.01	.88	.81
816-RI-21A	RI-21A	A	10	500	18-32	8-22	0.591	1.811	0.100	1.20	1.01	.88	.81
816-RI-21B	RI-21B	A	10	500	28-52	12-29	0.591	1.811	0.100	1.20	1.01	.88	.81
816-RI-21C	RI-21C	A	10	500	46-70	16-32	0.591	1.811	0.100	1.20	1.01	.88	.81
RI-23 Series, Micro Dry-Reed													
816-RI-23AAA	RI-23AAA	A	10	250	8-16	4-14	0.591	1.811	0.100	.89	.74	.63	.51
816-RI-23AA	RI-23AA	A	10	500	14-23	7.5-17.5	0.591	1.811	0.100	.89	.74	.63	.51
816-RI-23A	RI-23A	A	10	500	18-32	8-22	0.591	1.811	0.100	.89	.74	.63	.51
816-RI-23B	RI-23B	A	10	500	28-52	12-29	0.591	1.811	0.100	.89	.74	.63	.51
816-RI-23C	RI-23C	A	10	500	46-70	16-32	0.591	1.811	0.100	.89	.74	.63	.51
RI-25 Series, Micro Dry-Reed													
816-RI-25AAA	RI-25AAA	A	10	750	8-16	4-14	0.591	1.811	0.100	.90	.75	.63	.51
816-RI-25AA	RI-25AA	A	15	1000	14-23	7.5-17.5	0.591	1.811	0.100	.90	.75	.63	.51
816-RI-25A	RI-25A	A	15	1000	18-32	8-22	0.591	1.811	0.100	.90	.75	.63	.51
816-RI-25B	RI-25B	A	25	1000	28-52	12-29	0.591	1.811	0.100	.90	.75	.63	.51
816-RI-25C	RI-25C	A	25	1000	46-70	16-32	0.591	1.811	0.100	.90	.75	.63	.51
RI-26 Series, Close Differential Micro Dry-Reed													
816-RI-26AA	RI-26AA	A	15	1000	14-23	80	0.591	1.811	0.100	1.17	.98	.83	.74
816-RI-26A	RI-26A	A	15	1000	18-32	75	0.591	1.811	0.100	1.17	.98	.83	.74
816-RI-26B	RI-26B	A	20	1000	28-52	70	0.591	1.811	0.100	1.17	.98	.83	.74
RI-27 Series, Pico Dry-Reed													
816-RI-27AAA	RI-27AAA	A	10	500	10-19	4-16	0.531	1.811	0.071	1.27	1.07	.89	.73
816-RI-27AA	RI-27AA	A	10	500	16-25	5-18	0.531	1.811	0.071	1.27	1.07	.89	.73
816-RI-27A	RI-27A	A	10	500	20-34	7-19.5	0.531	1.811	0.071	1.27	1.07	.89	.73
RI-29 Series, Pico Dry-Reed													
816-RI-29AA	RI-29AA	A	15	1000	16-25	5-18	0.531	1.811	0.071	1.27	1.07	.89	.73
816-RI-29A	RI-29A	A	20	1000	20-34	7-19.5	0.531	1.811	0.071	1.27	1.07	.89	.73
RI-46 Series, Micro Dry-Reed													
816-RI-46AA	RI-46AA	A	30	750	10.5-19	4-12	.807	2.157	.106	1.28	1.08	.90	.73
816-RI-46A	RI-46A	A	30	1000	15-28	5-16	.807	2.157	.106	1.28	1.08	.90	.73
816-RI-46B	RI-46B	A	40	1000	24-51	8-20.5	.807	2.157	.106	1.28	1.08	.90	.73
816-RI-46C	RI-46C	A	40	1000	46-70	12-22.5	.807	2.157	.106	1.28	1.08	.90	.73
RI-48 Series, Micro Dry-Reed													
816-RI-48AA	RI-48AA	A	70	1000	10.5-19	4-12	.807	2.157	.106	1.28	1.08	.90	.73
816-RI-48A	RI-48A	A	70	1000	15-28	8-20	.807	2.157	.106	1.28	1.08	.90	.73
816-RI-48B	RI-48B	A	70	1000	24-51	13-27	.807	2.157	.106	1.28	1.08	.90	.73
816-RI-48C	RI-48C	A	70	1000	46-70	18-32	.807	2.157	.106	1.28	1.08	.90	.73
RI-60, RI-70, and RI-80 Series, Ultra-Miniature Dry-Reed													
816-RI-60GP1020	RI-60GP1020	A	10	500	7-21	3-16	0.39	1.81	0.02	1.28	1.08	.90	.73
816-RI-70GP0715	RI-70GP0715	A	10	500	7-21	3-16	0.276	1.81	0.071	1.55	1.30	1.10	.89
816-RI-80GP0515	RI-80GP0515	A	5	350	5-15	2-13	0.19	1.81	0.07	2.28	1.90	1.52	1.25
816-RI-80SMD0515-G1	RI-80SMD0515-G1	B	5	350	5-15	2-13	0.196	0.342	0.07	2.50	2.10	1.75	1.43
816-RI-80SMD0515-G2	RI-80SMD0515-G2	C	5	350	5-15	2-13	0.196	0.4	0.07	2.50	2.10	1.75	1.43
816-RI-80SMD0515-J	RI-80SMD0515-J	D	5	350	5-15	2-13	0.196	0.279	0.07	2.69	2.28	1.90	1.55
RI-90 Series, Micro Changeover Dry-Reed													
***816-RI-90**	RI-90	E	5	400	10-30	Min 5	0.59	1.988	0.100	3.57	3.01	2.52	2.05

DIMENSIONS: in. (mm)

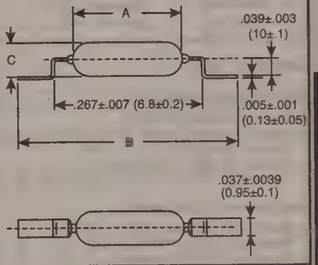
A



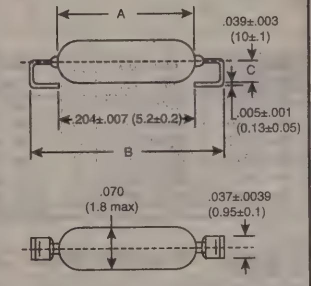
B



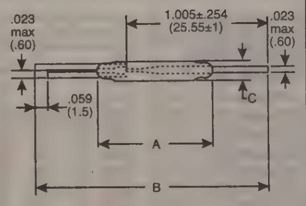
C



D



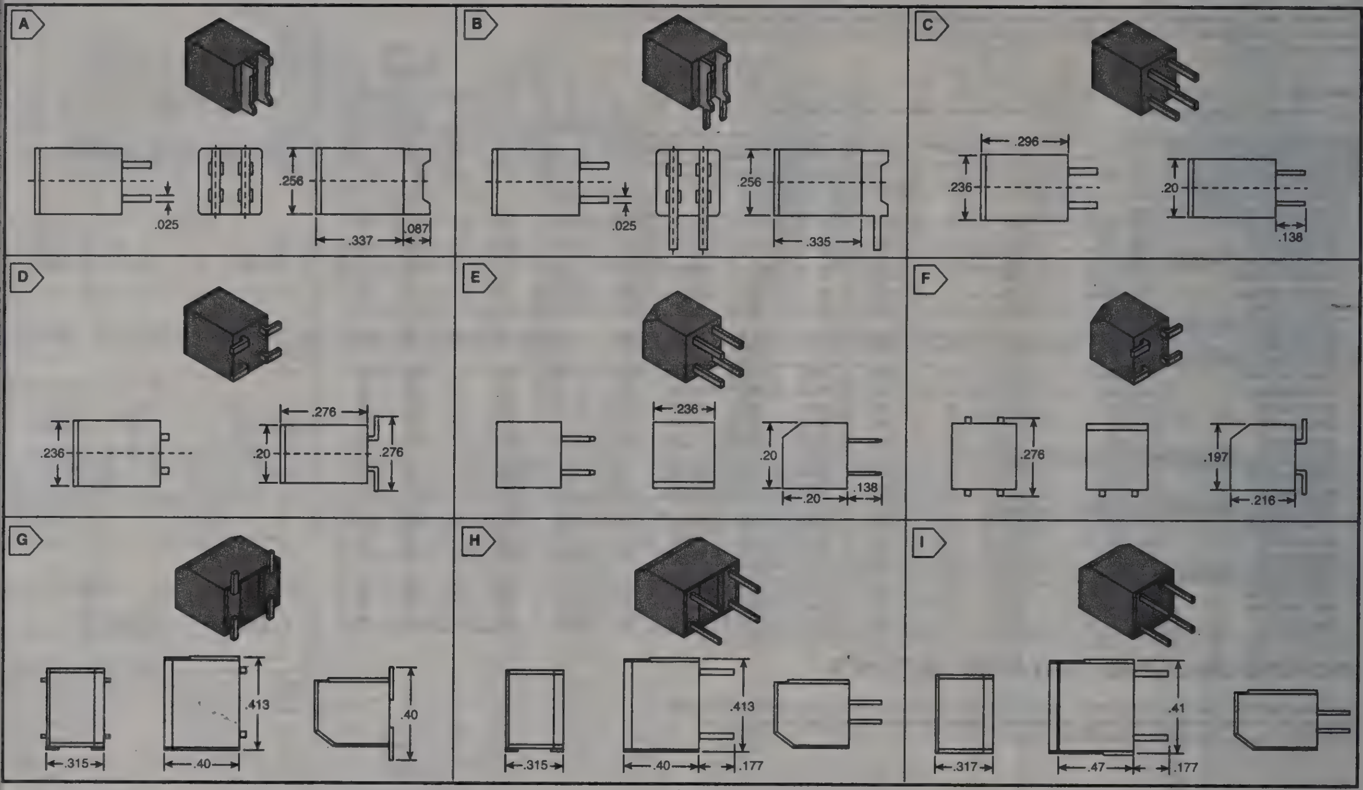
E



Tilt and Rolling-Ball Tilt Switches

OncQue® TILT SWITCHES

DIMENSIONS: in.



Contact Type

Electrical Specifications:

- Contact Rating: 25mA/24VDC
- Contact Resistance: (Initail) 5Ω max. (After Life Test) 10Ω
- Dielectric Strength: 500VDC 1 minute
- Insulation Resistance: 1000MΩ min.

Mechanical Specifications:

- Operating Temperature: -25˚C to +85˚C
- Storage Temperature: -40˚C to +85˚C
- Operation Life: 100,000 cycles
- Pull Force of Terminal: 500gF for 1 min.

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	OncQue Part No.	Fig.	Differential Angle	Switching Type	Price Each			
					1	10	100	1000
108-07050T	RBS070500T	A	45° +/ 15°	NC	1.57	1.31	1.19	2.31
108-07060	RBS070600	B	45° +/ 15°	NC	1.57	1.31	1.19	2.31
108-15110	RBS151100	C	15° +/ 10°	NO	1.68	1.40	1.28	1.16
108-15210T	RBS152100T	D	15° +/ 10°	NO	2.13	1.77	1.61	1.47
108-17010	RBS170100	E	15° + 15°, -10°	NO	1.57	1.31	1.19	1.08
108-17020T	RBS170200T	F	15° + 15°, -10°	NO	1.57	1.31	1.19	1.08

Optical Type

Electrical Specifications:

Items	Symbol	Min.	Typ.	Max.	Unit	Conditions
Input						
Forward Voltage	Vf	- - -	1.2	1.5	V	If = 20mA
Reverse Current	I r	- - -	- - -	10	μA	Vr = 5V
Output						
Dark Current	Iceo	- - -	- - -	2	μA	Vce = 10V
Coupled						
Output Current	Ic	0.5	5.0	- - -	mA	Vce = 5V
Rise Time	Tr	- - -	5.0	- - -	μs	Ic = 0.8mA Vcc = 30V
Fall Time	Tf	- - -	5.0	- - -	μs	RL = 1KΩ

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	OncQue Part No.	Fig.	Differential Angle	Price Each			
				1	10	100	1000
108-31090T	RBS310900T	G	45° +/ 10°	3.23	2.96	2.70	2.45
108-31091T	RBS310901T	G	30° +/ 10°	3.23	2.96	2.70	2.45
108-31092T	RBS310902T	G	20° +/ 10°	3.23	2.96	2.70	2.45
108-31093T	RBS310903T	G	15° +/ 10°	3.23	2.96	2.70	2.45
108-31110	RBS311100	H	45° +/ 10°	3.16	2.63	2.39	2.18
108-33030	RBS330300	I	45° +/ 10°	3.23	2.96	2.70	2.45
108-33031	RBS330301	I	30° +/ 10°	3.23	2.96	2.70	2.45
108-33032	RBS330302	I	20° +/ 10°	3.23	2.96	2.70	2.45
108-33033	RBS330303	I	15° +/ 10°	3.23	2.96	2.70	2.45

Mountain Switch ROLLING-BALL TILT SWITCHES

Electrical Specifications:

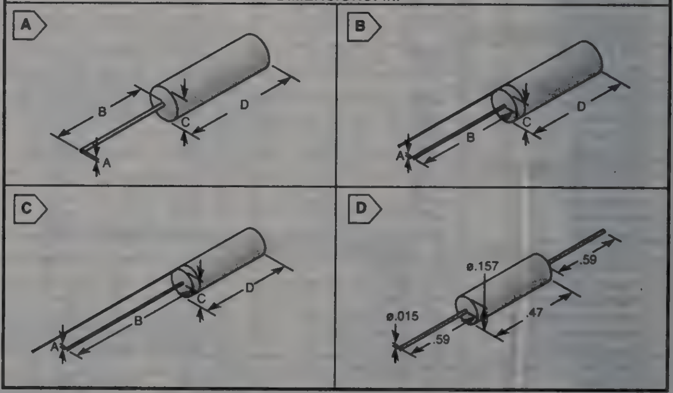
- Rating: <6mA/24VDC
- Differential Angle: 30° max.
- Electrical Life: >50,000 cycles
- Contact Resistance: 2Ω max. (measured at 45° tilt)

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Lead (In.)		Body (In.)		Price Each			
		øA	B	øC	D	1	10	100	1000
107-2002-EV	A	.035	.39	.157	.43	1.07	.89	.81	.74
107-2003-EV	A	.015	.59	.157	.43	1.51	1.26	1.14	1.04
107-2004-EV	A	.035	.39	.204	.55	1.51	1.26	1.14	1.04
107-2005-EV	B	.035	.39	.204	.55	1.51	1.26	1.14	1.04
107-2006-EV	B	.035	.39	.157	.43	1.51	1.26	1.14	1.04
107-2001-EV	C	.015	.59	.204	.55	1.51	1.26	1.14	1.04
107-2008-EV	C	.015	.59	.157	.43	1.51	1.26	1.14	1.04
107-2007-EV	C	.015	.59	.157	.275	1.82	1.52	1.38	1.25
107-2009-EV	C	.015	.59	.157	.43	1.82	1.52	1.38	1.25
107-2010-EV	D	- - -	- - -	- - -	- - -	2.72	2.26	2.06	1.87

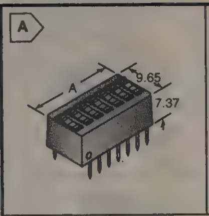
DIMENSIONS: in.



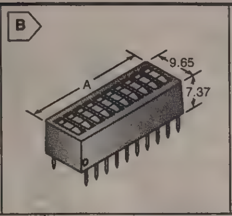
ALCOSWITCH DIP and SIP Switches

Tyco Electronics
Authorized Distributor

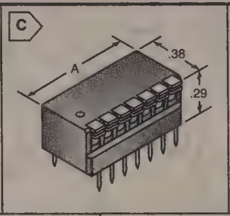
A



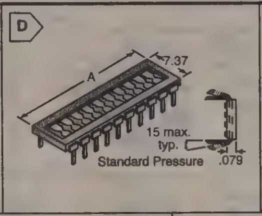
B



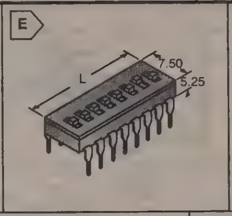
C



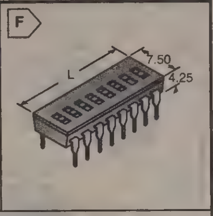
D



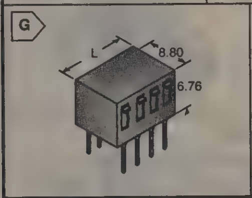
E



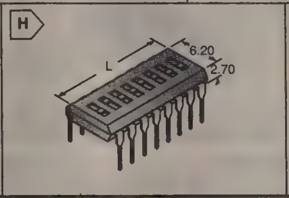
F



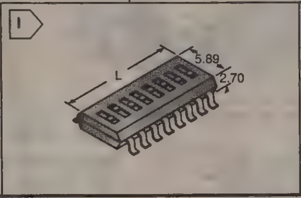
G



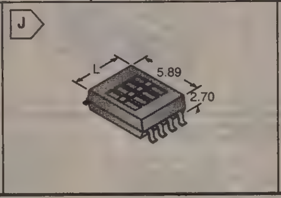
H



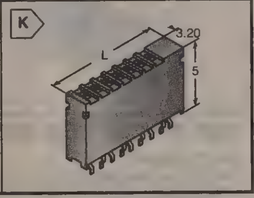
I



J



K



DIMENSIONS: mm

ALCOSWITCH 7100 SERIES STANDARD DIP SWITCHES

Current/voltage rating: Non-switching-1.0A max. @ 40VDC
Dielectric withstanding voltage: 500VDC min.
Capacitance: 5pF max.
Housing: Glass-filled polyester, UL 94V-0 rated, blue
Rocker: Polyester UL 94V-0 rated, white
Spring contacts and leads: Cu alloy with Au over Ni plating

Standard Profile

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each			
					1	25	50	100
Unsealed								
571-24356409	2-435640-9	A	7.11	2	3.28	3.01	2.62	2.36
571-4356402	435640-2	A	12.19	4	.74	.70	.67	.63
571-4356403	435640-3	A	14.73	5	.82	.78	.74	.70
571-4356405	435640-5	A	22.35	8	1.39	1.23	1.12	1.07
571-34356402	3-435640-2	A	32.51	12	2.34	2.23	2.10	1.99
Sealed								
571-34356405	3-435640-5	A	12.19	4	.99	.81	.74	.69
571-34356406	3-435640-6	A	14.73	5	1.79	1.53	1.45	1.28
571-34356407	3-435640-7	A	17.27	6	1.33	1.17	1.07	.98
571-34356409	3-435640-9	A	22.35	8	1.68	1.60	1.52	1.43
571-44356401	4-435640-1	A	27.43	10	1.60	1.46	1.28	1.15

Low Profile

Unsealed								
571-4356683	435668-3	B	17.27	4	1.06	1.01	.96	.90
571-4356687	435668-7	B	22.35	8	1.62	1.38	1.31	1.16
Sealed								
571-34356684	3-435668-4	B	12.19	4	1.11	.95	.90	.80
571-34356685	3-435668-5	B	14.73	5	1.18	1.02	.96	.90
571-24356688	2-435668-8	B	22.35	8	2.05	1.80	1.64	1.48

ALCOSWITCH 7000 SERIES PREMIUM DIP SWITCHES

Current and voltage rating: Non-switching-1.0A max. @ 50VDC
Dielectric withstanding voltage: 500 VDC min.
Capacitance: 5pF max.
Housing: Glass-filled polyester, UL 94V-0 rated, blue
Rocker: Polyester UL 94V-0 rated, white
Spring contacts and leads: BeCu alloy with Au over Ni plating

For quantities of 500 and up, call for quote.

Sealed - Piano Style Actuator								
571-14358025	1-435802-5	C	12.19	4	1.28	1.11	1.02	.95
571-14358026	1-435802-6	C	14.73	5	1.64	1.56	1.48	1.39
571-14358027	1-435802-7	C	17.27	6	2.03	1.78	1.62	1.44
571-4358029	435802-9	C	22.35	8	1.47	1.30	1.18	1.06
571-14358029	1-435802-9	C	24.89	9	2.67	2.46	2.14	1.92
571-24358020	2-435802-0	C	27.43	10	1.93	1.66	1.56	1.38
571-24358022	2-435802-2	C	32.51	12	2.62	2.49	2.35	2.23
Unsealed - Piano Style Actuator								
571-14358020	1-435802-0	C	7.11	2	6.35	5.84	5.08	4.59
571-4358023	435802-3	C	12.19	4	1.60	1.47	1.28	1.15
571-4358025	435802-5	C	17.27	6	1.93	1.77	1.54	1.38
571-4358021	435802-1	C	22.35	8	1.86	1.77	1.68	1.59
Sealed - Rocker Style Actuator								
571-44351669	4-435166-9	A	12.19	4	1.18	1.12	1.06	1.01
506-54351663	5-435166-3	A	22.35	8	1.99	1.71	1.33	1.22
Unsealed - Rocker Style Actuator								
571-435166-2	435166-2	A	12.19	4	3.06	2.62	2.48	2.19
506-54351665	5435166-5	A	22.35	8	3.04	2.89	2.74	2.59

ALCOSWITCH 7600 SERIES DIP SHUNTS

Specifications:

- Current rating per shunt: Standard pressure: 2A
- Insulation resistance: 1×10^{10} Ω min. @ 100VDC
- Dielectric withstanding voltage: 500VDC min.

For quantities of 500 and up, call for quote.

Standard								
571-4357044	435704-4	D	10.16	4	.59	.50	.48	.42
571-4357047	435704-7	D	17.78	7	.61	.52	.49	.44
571-4357048	435704-8	D	20.32	8	.80	.68	.65	.57
571-14357042	1-435704-2	D	25.40	10	.74	.63	.60	.53

ALCOSWITCH AD SERIES DIP SWITCHES

Specifications:

- Contact rating: 0.4VA @ 20VDC max.
- Contact resistance: 50mΩ max.
- Dielectric strength: 500 VAC
- Life expectancy: 1000 cycles
- High pressure wiping contact allows aqueous or solvent cleaning without tape seal
- Polyester base, cover, and actuator material
- Gas-tight contacts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each			
					1	25	50	100
Through-hole w/ Extended Actuator								
506-ADE0204	ADE0204	E	7.06	2	1.10	1.06	1.00	.94
506-ADE0404	ADE0404	E	12.14	4	1.25	1.07	1.01	.89
506-ADE05	ADE05	E	14.68	5	1.45	1.24	1.17	1.04
506-ADE06	ADE06	E	17.22	6	1.49	1.28	1.21	1.08
506-ADE07	ADE07	E	19.76	7	1.58	1.35	1.28	1.13
506-ADE0804	ADE0804	E	22.30	8	1.25	1.06	1.01	.89
Through-hole w/ Flush Actuator								
506-ADF02	ADF02	F	7.06	2	1.05	.90	.85	.75
506-ADF04	ADF04	F	12.14	4	.84	.72	.68	.60
506-ADF06	ADF06	F	17.22	6	1.30	1.12	1.05	.93
506-ADF0804	ADF0804	F	22.30	8	1.38	1.32	1.25	1.18
Through-hole w/ Piano Actuator (Lever Down "On")								
506-ADP02	ADP02	G	7.06	2	1.47	1.26	1.19	1.05
506-ADP0404	ADP0404	G	12.14	4	1.78	1.70	1.61	1.52

ALCOSWITCH GD SERIES LOW PROFILE DIP SWITCHES

Specifications:

- Contact rating: 0.4VA @ 24VDC max.
- Contact resistance: 100mΩ max.
- Contact material: Au over Ni over Cu alloy
- Tape seal standard

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each			
					1	25	50	100
Through-hole w/ Slide Actuator								
506-GDS04	GDS04	H	10.02	4	1.24	1.18	1.12	1.05
506-GDS08	GDS08	H	20.18	8	2.21	1.89	1.79	1.58
Half-pitch Surface Mount								
506-GDH02S04	GDH02S04	I	3.66	2	3.02	2.87	2.72	2.57
506-GDH04S04	GDH04S04	I	6.20	4	3.92	3.73	3.52	3.33
506-GDH06S04	GDH06S04	I	8.75	6	4.38	4.16	3.94	3.72
506-GDH08S04	GDH08S04	I	11.29	8	4.70	4.47	3.65	2.68
506-GDH10S	GDH10S	I	13.82	10	4.64	3.98	3.76	3.32

ALCOSWITCH MGDH SERIES ULTRA LOW PROFILE HALF-PITCH DIP SWITCH

Specifications:

- Contact rating: 0.4VA @ 24VDC max.
- Contact resistance: 100mΩ max.
- Contact material: Au over Ni over Cu alloy
- Life expectancy: 1000 cycles min.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each			
					1	25	50	100
506-MGDH04	MGDH04	J	6.19	4	2.84	2.43	2.30	2.03

ALCOSWITCH S SERIES VERTICAL, LOW PROFILE, SIP SWITCHES

Specifications:

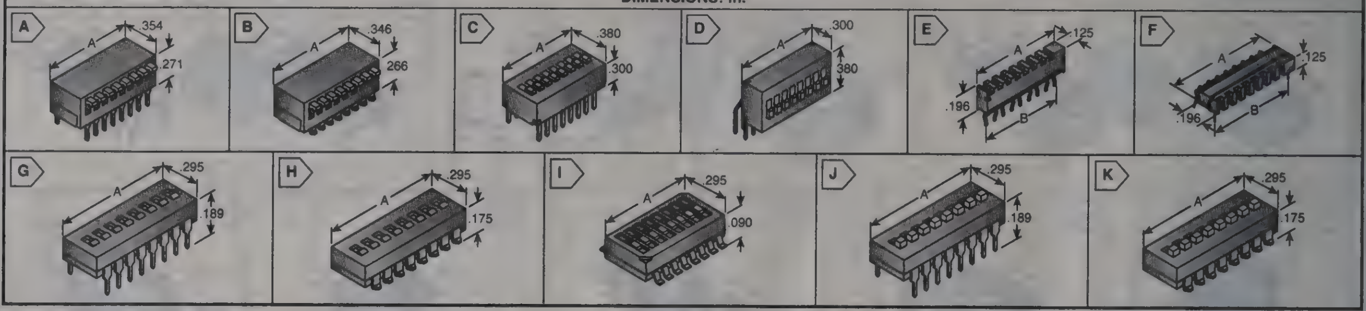
- Contact rating: 0.4VA @ 20VDC max.
- Contact resistance: 50 mΩ max.
- 2 SIP switches take up less space than DIP switch
- Gas tight contacts (280,000 PSI)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Dimension "A" (mm)	No. of Pos.	Price Each			
					1	25	50	100
506-SSV02	SSV02	K	7.57	2	2.50	2.26	2.02	1.79
506-SSV0404	SSV0404	K	12.65	4	2.18	2.09	1.95	1.84
506-SSV06	SSV06	K	17.73	6	4.03	3.17	3.02	2.27
506-SSV08	SSV08	K	22.81	8	4.51	3.38	3.22	2.82

C&K DIP Switches

DIMENSIONS: in.



C&K BPA SERIES: SIDE ACTUATED

Specifications:

- Mechanical and Electrical Life: 1,000 cycles min. @ 5 VDC 10mA
- Contact rating: 100 mA max. @ 5 VDC or 25 mA max. @ 24 VDC
- Dielectric withstand voltage: 300 VAC for 1 minute
- High pressure contact system does not require tape seal

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	No. of Positions	Dim. A (in.)	Price Each			
					1	25	50	100
Thru-hole								
611-BPA02B	BPA02B	A	2	.28	**.96**	**.92**	**.87**	**.83**
611-BPA04B	BPA04B	A	4	.48	**1.10**	**1.05**	**.99**	**.94**
611-BPA05B	BPA05B	A	5	.578	**1.55**	**1.47**	**1.39**	**1.32**
611-BPA06B	BPA06B	A	6	.68	**1.80**	**1.63**	**1.55**	**1.46**
611-BPA07B	BPA07B	A	7	.778	**1.67**	**1.60**	**1.53**	**1.39**
611-BPA08B	BPA08B	A	8	.878	**1.78**	**1.69**	**1.60**	**1.51**
611-BPA09B	BPA09B	A	9	.978	**1.61**	**1.54**	**1.46**	**1.39**
611-BPA10B	BPA10B	A	10	1.078	**1.52**	**1.45**	**1.38**	**1.31**
Surface Mount								
611-BPA02SB	BPA02SB	B	2	.28	**1.05**	**1.00**	**.95**	**.90**
611-BPA04SB	BPA04SB	B	4	.48	**1.21**	**1.15**	**1.10**	**1.04**
611-BPA05SB	BPA05SB	B	5	.578	**1.27**	**1.22**	**1.16**	**1.10**
611-BPA06SB	BPA06SB	B	6	.68	**1.60**	**1.53**	**1.47**	**1.33**
611-BPA07SB	BPA07SB	B	7	.778	**1.82**	**1.75**	**1.67**	**1.52**
611-BPA08SB	BPA08SB	B	8	.878	**1.65**	**1.58**	**1.51**	**1.37**
611-BPA09SB	BPA09SB	B	9	.978	**2.12**	**2.02**	**1.91**	**1.80**
611-BPA10SB	BPA10SB	B	10	1.078	**1.68**	**1.60**	**1.52**	**1.44**

C&K BD SERIES: STANDARD PROFILE

Specifications:

- Traditional full profile with extended actuator
- Mechanical and Electrical life: 10,000 make-and-break cycles at full load, each circuit.
- Contact rating: Carry: 100 mA max. @ 50 VDC
  Switch: 100 mA max. @ 5 VDC or
  25 mA max. @ 25 VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	No. of Positions	Dim. A (in.)	Price Each			
					1	25	50	100
Open Base								
611-BD01	BD01	C	1	.18	**.80**	**.77**	**.73**	**.69**
611-BD02	BD02	C	2	.28	**1.16**	**1.11**	**1.05**	**1.00**
611-BD03	BD03	C	3	.38	**1.16**	**1.11**	**1.05**	**1.00**
611-BD04	BD04	C	4	.48	**1.27**	**1.21**	**1.15**	**1.10**
611-BD05	BD05	C	5	.58	**1.29**	**1.23**	**1.17**	**1.11**
611-BD06	BD06	C	6	.68	**1.34**	**1.28**	**1.21**	**1.15**
611-BD07	BD07	C	7	.78	**1.40**	**1.34**	**1.27**	**1.21**
611-BD08	BD08	C	8	.88	**1.45**	**1.38**	**1.31**	**1.25**
611-BD09	BD09	C	9	.98	**1.51**	**1.44**	**1.37**	**1.30**
611-BD10	BD10	C	10	1.08	**1.56**	**1.48**	**1.41**	**1.34**
611-BD12	BD12	C	12	1.28	**1.67**	**1.59**	**1.51**	**1.43**
Open Base and Right Angle Terminal Style								
611-BD02AV	BD02AV	D	2	.28	**2.01**	**1.92**	**1.83**	**1.73**
611-BD04AV	BD04AV	D	4	.48	**2.12**	**2.03**	**1.93**	**1.83**
611-BD08AV	BD08AV	D	8	.88	**2.30**	**2.20**	**2.09**	**1.98**

C&K SP SERIES: SINGLE IN-LINE SWITCHES

Specifications:

- High pressure contact system does not require tape sealing
- Contact rating: Carry: 0.1mA @ 1mV min.; Switching: 10 mA @ 5 VDC
- Mechanical and Electrical Life: 1,000 cycles min.
- Dielectric strength: 1 minute @ 300 VAC

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	No. of Positions	Dim. A (in.)	Price Each			
					1	25	50	100
Vertical								
611-SP02B	SP02B	E	2	.298 .100	**1.68**	**1.60**	**1.52**	**1.44**
611-SP04B	SP04B	E	5	.498 .300	**1.90**	**1.81**	**1.72**	**1.64**
611-SP06B	SP06B	E	7	.698 .500	**2.21**	**2.11**	**2.01**	**1.91**
611-SP08B	SP08B	E	9	.898 .700	**2.57**	**2.45**	**2.33**	**2.21**
611-SP10B	SP10B	E	10	1.098 .900	**3.24**	**3.09**	**2.94**	**2.79**
Right Angle								
611-SP02AB	SP02AB	F	2	.338 .100	**2.35**	**2.24**	**2.13**	**2.02**
611-SP06AB	SP06AB	F	7	.738 .500	**3.02**	**2.88**	**2.74**	**2.60**

C&K SDA/TDA SERIES: LOW PROFILE

Specifications (SDA Series):

- Mechanical and electrical life: 1,000 cycles at rated loads
- Contact rating: 25 mA @ 24 VDC or 100 mA @ 50 VDC
- Dielectric strength: 300 VDC min. for 1 minute

RoHS Compliant

Specifications (TDA Series):

- Process sealed for surface mount soldering and washable processing
- .05" lead spacing
- Mechanical and Electrical life: 1,000 cycles
- Contact rating: 24 VDC @ 25 mA (switching); 50 VDC @ 100 mA (steady state)
- Dielectric strength: 300 VAC min.

Flush Actuator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	No. of Positions	Dim. A (in.)	Price Each			
					1	25	50	100
No Tape, Thru-Hole Terminals								
611-SDA02H0BD	SDA02H0BD	G	2	.278	**.78**	**.75**	**.71**	**.67**
611-SDA03H0BD	SDA03H0BD	G	3	.378	**.83**	**.79**	**.75**	**.71**
611-SDA04H0BD	SDA04H0BD	G	4	.476	**.87**	**.83**	**.79**	**.75**
611-SDA05H0BD	SDA05H0BD	G	5	.578	**.92**	**.88**	**.83**	**.79**
611-SDA06H0BD	SDA06H0BD	G	6	.676	**.94**	**.90**	**.85**	**.81**
611-SDA07H0BD	SDA07H0BD	G	7	.778	**1.01**	**.96**	**.91**	**.87**
611-SDA08H0BD	SDA08H0BD	G	8	.876	**1.46**	**1.39**	**1.32**	**1.24**
611-SDA09H0BD	SDA09H0BD	G	9	.978	**1.23**	**1.17**	**1.12**	**1.06**
611-SDA12H0BD	SDA12H0BD	G	12	1.279	**1.45**	**1.39**	**1.32**	**1.25**
With Top Tape, Thru-Hole Terminals								
611-SDA03H0B	SDA03H0B	G	3	.378	**.92**	**.88**	**.83**	**.79**
611-SDA04H0B	SDA04H0B	G	4	.476	**.96**	**.92**	**.87**	**.83**
611-SDA07H0B	SDA07H0B	G	7	.778	**1.12**	**1.07**	**1.01**	**.96**
611-SDA08H0B	SDA08H0B	G	8	.876	**1.23**	**1.17**	**1.12**	**1.06**
611-SDA09H0B	SDA09H0B	G	9	.978	**1.32**	**1.26**	**1.20**	**1.14**
611-SDA12H0B	SDA12H0B	G	12	1.279	**1.54**	**1.47**	**1.40**	**1.33**
With Top Tape, SMT								
611-SDA02H0SB	SDA02H0SB	H	2	.278	**1.25**	**1.20**	**1.14**	**1.08**
611-SDA04H0SB	SDA04H0SB	H	4	.476	**1.37**	**1.30**	**1.24**	**1.17**
611-SDA05H0SB	SDA05H0SB	H	5	.578	**1.43**	**1.37**	**1.30**	**1.23**
611-SDA06H0SB	SDA06H0SB	H	6	.676	**1.50**	**1.43**	**1.36**	**1.29**
611-SDA07H0SB	SDA07H0SB	H	7	.778	**1.57**	**1.49**	**1.42**	**1.35**
611-SDA08H0SB	SDA08H0SB	H	8	.876	**1.72**	**1.64**	**1.56**	**1.48**
611-SDA10H0SB	SDA10H0SB	H	10	1.076	**1.99**	**1.90**	**1.81**	**1.71**
611-SDA12H0SB	SDA12H0SB	H	12	1.279	**2.19**	**2.09**	**1.99**	**1.89**
No Tape, SMT								
611-SDA02H0SBD	SDA02H0SBD	H	2	.278	**1.14**	**1.09**	**1.04**	**.98**
611-SDA03H0SBD	SDA03H0SBD	H	3	.378	**1.21**	**1.15**	**1.10**	**1.04**
611-SDA07H0SBD	SDA07H0SBD	H	7	.778	**1.48**	**1.41**	**1.34**	**1.27**
611-SDA08H0SBD	SDA08H0SBD	H	8	.876	**2.14**	**2.04**	**1.93**	**1.82**
611-SDA10H0SBD	SDA10H0SBD	H	10	.076	**1.90**	**1.81**	**1.72**	**1.64**
Half Pitch, SMT								
611-TDA02H0SB1	TDA02H0SB1	I	2	.144	**1.61**	**1.54**	**1.46**	**1.39**
611-TDA04H0SB1	TDA04H0SB1	I	4	.244	**1.70**	**1.63**	**1.55**	**1.47**
611-TDA06H0SB1	TDA06H0SB1	I	6	.344	**2.03**	**1.93**	**1.84**	**1.74**
611-TDA08H0SB1	TDA08H0SB1	I	8	.444	**2.21**	**2.11**	**2.01**	**1.91**
611-TDA10H0SB1	TDA10H0SB1	I	10	.544	**4.10**	**3.88**	**3.55**	**3.44**

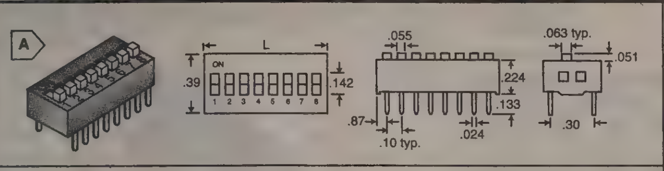
Extended Actuator

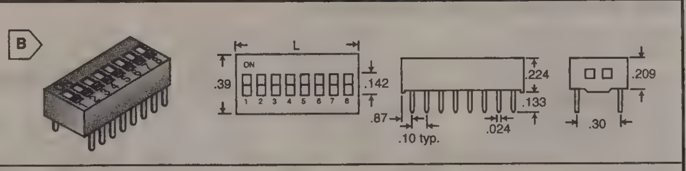
For quantities of 500 and up, call for quote.

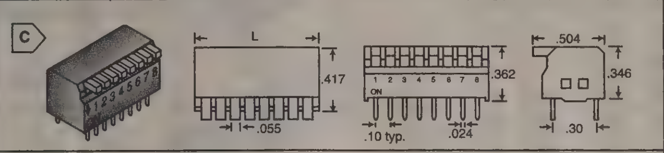
MOUSER STOCK NO.	C&K Part No.	Fig.	No. of Positions	Dim. A (in.)	Price Each			
					1	25	50	100
No Top Tape, Thru-Hole Terminals								
611-SDA02H1BD	SDA02H1BD	J	2	.278	**.78**	**.75**	**.71**	**.67**
611-SDA03H1BD	SDA03H1BD	J	3	.378	**.83**	**.79**	**.75**	**.71**
611-SDA04H1BD	SDA04H1BD	J	4	.476	**.87**	**.83**	**.79**	**.75**
611-SDA05H1BD	SDA05H1BD	J	5	.578	**.92**	**.88**	**.83**	**.79**
611-SDA06H1BD	SDA06H1BD	J	6	.676	**.94**	**.90**	**.85**	**.81**
611-SDA07H1BD	SDA07H1BD	J	7	.778	**1.01**	**.96**	**.91**	**.87**
611-SDA08H1BD	SDA08H1BD	J	8	.876	**1.12**	**1.07**	**1.01**	**.96**
611-SDA09H1BD	SDA09H1BD	J	9	.978	**1.23**	**1.17**	**1.12**	**1.06**
611-SDA10H1BD	SDA10H1BD	J	10	1.076	**1.32**	**1.26**	**1.20**	**1.14**
611-SDA12H1BD	SDA12H1BD	J	12	1.279	**1.45**	**1.39**	**1.32**	**1.25**
No Top Tape, SMT								
611-SDA02H1SBD	SDA02H1SBD	K	2	.278	**1.14**	**1.09**	**1.04**	**.98**
611-SDA03H1SBD	SDA03H1SBD	K	3	.378	**1.21**	**1.15**	**1.10**	**1.04**
611-SDA04H1SBD	SDA04H1SBD	K	4	.476	**1.27**	**1.22**	**1.16**	**1.10**
611-SDA05H1SBD	SDA05H1SBD	K	5	.578	**1.39**	**1.32**	**1.26**	**1.19**
611-SDA06H1SBD	SDA06H1SBD	K	6	.676	**1.48**	**1.41**	**1.34**	**1.27**
611-SDA08H1SBD	SDA08H1SBD	K	8	.876	**1.61**	**1.54**	**1.46**	**1.39**
611-SDA09H1SBD	SDA09H1SBD	K	9	.978	**1.79**	**1.71**	**1.62**	**1.54**
611-SDA10H1SBD	SDA10H1SBD	K	10	1.076	**1.90**	**1.81**	**1.72**	**1.64**
611-SDA12H1SBD	SDA12H1SBD	K	12	1.279	**2.10**	**2.00**	**1.91**	**1.81**

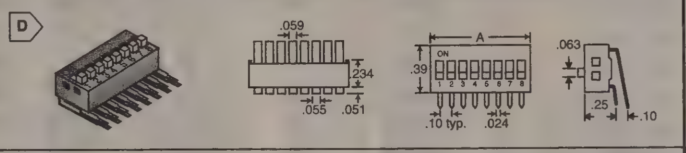
MOUNTAIN SWITCH DIP Switches

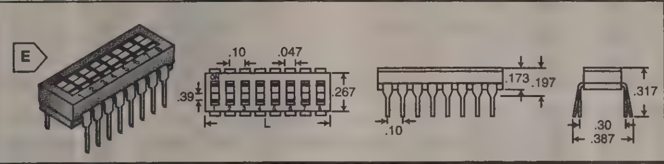
DIMENSIONS: In.

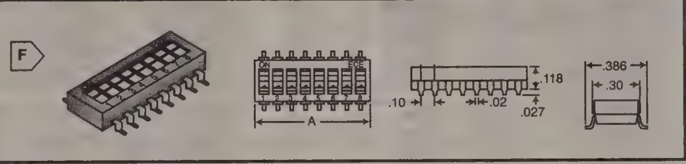












STANDARD DIP SWITCHES

Mechanical Specifications:
- Mechanical Life: 10,000 operation min. per switch
- Operation Force: less than 800g

Electrical Specifications:
- Rating: Non-switching:100mA/50VDC; Switching: 50mA/24VDC
- Electrical Life: '5000 operation min.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Length (in.)	Price Each				
					1	10	50	100	200
106-1202-EV	A	2	SPST	.239	1.08	.99	.94	.89	.76
106-1204-EV	A	4	SPST	.439	1.13	1.09	1.02	.96	.82
106-1206-EV	A	6	SPST	.639	1.22	1.12	1.07	1.02	.91
106-1208-EV	A	8	SPST	.839	1.31	1.16	1.10	1.05	.93

LOW PROFILE DIP SWITCH

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Length (in.)	Price Each				
					1	10	50	100	200
106-1218-EV	B	8	SPST	.839	1.31	1.16	1.10	1.05	.93

SIDE ACTUATED DIP SWITCHES

Mechanical Specifications:
- Mechanical Life: 5,000 operation min. per switch
- Operation Force: 400g ±200g

Electrical Specifications:
- Rating: Non-switching: 100mA/50VDC; Switching: 50mA/24VDC
- Electrical Life: 2000 operation min.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Length (in.)	Price Each				
					1	10	50	100	200
106-1234-EV	C	4	SPST	.446	1.49	1.37	1.30	1.24	1.08
106-1238-EV	C	8	SPST	.846	1.70	1.53	1.46	1.40	1.24

RIGHT ANGLE DIP SWITCHES

Mechanical Specifications:
- Mechanical Life: 10,000 operations
- Operation Force: less than 800g

Electrical Specifications:
- Rating: Non-switching: 100mA/50VDC; Switching: 50mA/24VDC
- Electrical Life: 5,000 operation min.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Dimension "A" (in.)	Price Each				
					1	10	50	100	200
106-1254-EV	D	4	SPST	.439	1.75	1.63	1.52	1.38	1.18
106-1258-EV	D	8	SPST	.839	2.16	1.80	1.64	1.49	1.32

MACHINE INSERTABLE ULTRA-LOW PROFILE DIP SWITCHES

Features:
- Splay terminals allow for automatic insertion by IC insertion machine
- Recessed actuator for low profile
- Double contact offers high reliability
- Insert molding of terminals and ultra-sonic welding improve flux resistance

Mechanical Specifications:
- Mechanical Life: 5,000 operation per switch
- Operation Force: less than 800g
- Stroke: 1.0mm
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C

Electrical Specifications:
- Electrical Life: 2000 operation
- Rating: Non-switching: 100mA/50VDC; Switching: 50mA/24VDC
- Contact Resistance: 30mΩ max. initial; 100mΩ max. at end of life
- Insulation Resistance: 100M min. at end of life
- Dielectric Strength: 500VDC / 1 minute
- Capacitance: 5pF max. between adjacent closed switch.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Length (in.)	Price Each				
					1	10	50	100	200
106-1222-EV	E	2	SPST	.198	1.35	1.13	1.02	.93	.86
106-1224-EV	E	4	SPST	.398	1.40	1.27	1.16	1.06	.98
106-1228-EV	E	8	SPST	.880	1.49	1.35	1.29	1.24	1.01

SMD DIP SWITCHES

Features:
- End stackable for standard 0.1" IC pitch
- Molded 0.3" IC packing outline for automatic insertion
- Top tape sealed
- Materials: UL 94V-0 grade fire retardant plastics
- Contacts: gold plated
- Terminal: tin plated

Electrical Specifications:
- Rating: Non-switching: 100mA/50VDC; Switching: 25mA/24VDC
- Contact Resistance: initial: 50mΩ max. after life test: 100mΩ max.
- Insulation Resistance: 1,000MΩ min. @ 100VDC
- Dielectric Strength: 500VDC min. for 1 minute
- Capacitance between adjacent switches: 5pF max.

Mechanical and Environmental Specifications:
- Operating Temperature: -25°C to +70°C
- Storage Temperature: -40°C to +85°C
- Operation Force: 800g max.
- Operation Life: 2,000 operations

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Type	Dimension "A" (in.)	Price Each				
					1	10	50	100	200
106-1242-EV	F	2	SPST	.237	1.58	1.46	1.35	1.23	1.13
106-1244-EV	F	4	SPST	.437	1.74	1.60	1.48	1.35	1.23
106-1248-EV	F	8	SPST	.837	1.86	1.71	1.63	1.56	1.44

SINGLE CIRCUIT DIP SWITCH

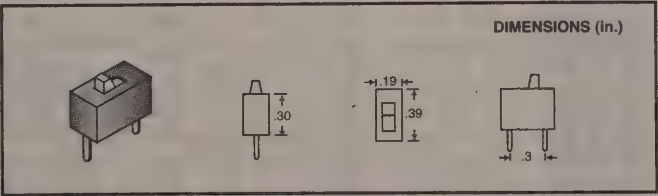
Leads are on 0.3" standard spacing centers. This DIP switch is sealed at the base with a thermo-setting plastic to provide complete protection against solder flux contamination.

Mechanical Specifications:
- Operation Force: 3.5 to 28 oz.
- Stroke: .078 ± .02
- Operating Temperature: -20°C to +60°C

Electrical Specifications:
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100MΩ min. between terminals
- Dielectric Strength: 500VDC for 1 minute
- Rating: Non-switching: 500mA/50VDC; Switching: 300mA/24VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Type	Length (in.)	Price Each				
			1	10	50	100	200
10JS001	SPST	.19	2.95	2.46	2.23	2.03	1.93



MOUNTAIN SWITCH DIP Switches

END STACKABLE DIP SWITCHES

Electrical Specifications:
- Rating: switching: 25mA/24VDC
  non-switching: 100mA/50VDC

Mechanical Specifications:
- Operation force: 1000gf max.
- Stroke: 1.0mm

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Actuator	No. of Positions	Dimensions: in.		Price Each				
				A	B	1	10	50	100	200
No Top Tape, Thru-Hole Terminals										
106-EI02-EV	A	Raised	2	0.196	0.1	1.86	1.69	1.54	1.40	1.32
106-EI03-EV	A	Raised	3	0.296	0.2	1.91	1.75	1.59	1.44	1.36
106-EI04-EV	A	Raised	4	0.396	0.3	1.91	1.75	1.59	1.44	1.36
106-EI06-EV	A	Raised	6	0.596	0.5	2.16	1.96	1.78	1.62	1.54
106-EI08-EV	A	Raised	8	0.796	0.7	2.28	2.10	1.88	1.71	1.63
106-EI10-EV	A	Raised	10	0.996	0.9	2.51	2.29	2.08	1.89	1.81
106-EIR2-EV	A	Recessed	2	0.196	0.1	1.86	1.69	1.54	1.40	1.32
106-EIR3-EV	A	Recessed	3	0.296	0.2	1.91	1.75	1.59	1.44	1.36
106-EIR4-EV	A	Recessed	4	0.396	0.3	1.91	1.75	1.59	1.44	1.36
With Top Tape, Thru-Hole Terminals										
106-EIR6T-EV	A	Recessed	6	0.596	0.5	2.43	2.03	1.84	1.68	1.63
106-EIR8T-EV	A	Recessed	8	0.796	0.7	2.52	2.10	1.91	1.74	1.69
106-EIR10T-EV	A	Recessed	10	0.996	0.9	2.78	2.32	2.11	1.92	1.87
No Top Tape, SMD										
106-EM02-EV	B	Raised	2	0.196	0.1	1.86	1.69	1.54	1.40	1.32
106-EM03-EV	B	Raised	3	0.296	0.2	1.91	1.75	1.59	1.44	1.36
106-EM04-EV	B	Raised	4	0.396	0.3	1.91	1.75	1.59	1.44	1.36
106-EM06-EV	B	Raised	6	0.596	0.5	2.16	1.96	1.78	1.62	1.54
106-EM08-EV	B	Raised	8	0.796	0.7	2.28	2.10	1.88	1.71	1.63
106-EM10-EV	B	Raised	10	0.996	0.9	2.51	2.29	2.08	1.89	1.81
With Top Tape, SMD										
106-EMR2T-EV	B	Recessed	2	0.196	0.1	1.91	1.75	1.59	1.44	1.36
106-EMR3T-EV	B	Recessed	3	0.296	0.2	1.94	1.78	1.62	1.47	1.39
106-EMR4T-EV	B	Recessed	4	0.396	0.3	1.94	1.78	1.62	1.47	1.39
106-EMR6T-EV	B	Recessed	6	0.596	0.5	2.43	2.03	1.84	1.68	1.63
106-EMR8T-EV	B	Recessed	8	0.796	0.7	2.52	2.10	1.91	1.74	1.69
106-EMR10T-EV	B	Recessed	10	0.996	0.9	2.78	2.32	2.11	1.92	1.87

TRI-STATE LOW PROFILE DIP SWITCHES

Electrical Specifications:
- Rating: switching: 25mA/24VDC
  non-switching: 100mA/50VDC

Mechanical Specifications:
- Operation force: 1000gf max.
- Stroke: 0.8mm

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Actuator	No. of Positions	Dimensions: in.		Price Each				
				A	B	1	10	50	100	200
No Top Tape, Thru-Hole Terminals										
106-TII8-EV	C	Raised	8	0.846	0.7	1.69	1.57	1.48	1.36	1.31
106-TII9-EV	C	Raised	9	0.946	0.8	1.77	1.67	1.58	1.46	1.41
With Top Tape, Thru-Hole Terminals										
106-TIR4T-EV	C	Recessed	4	0.446	0.3	1.52	1.41	1.32	1.20	1.15
106-TIR10T-EV	C	Recessed	10	1.046	0.9	1.80	1.78	1.69	1.57	1.52
No Top Tape, SMD										
106-TIM4-EV	D	Raised	4	0.446	0.3	1.46	1.33	1.27	1.14	1.09
106-TIM10-EV	D	Raised	10	1.046	0.9	1.86	1.73	1.67	1.53	1.48
With Top Tape, SMD										
106-TMR8T-EV	D	Recessed	8	0.846	0.7	1.77	1.67	1.58	1.46	1.41
106-TMR9T-EV	D	Recessed	9	0.946	0.8	1.87	1.77	1.68	1.56	1.51

TRI-STATE DIP SWITCHES

Electrical Specifications:
- Rating: switching: 25mA/24VDC
  non-switching: 100mA/50VDC

Mechanical Specifications:
- Operation force: 1000gf max.
- Stroke: 1.0mm

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Dimensions: in.		Price Each				
			A	B	1	10	50	100	200
106-TDS4-EV	E	4	0.557	0.3	1.52	1.40	1.29	1.18	1.12
106-TDS8-EV	E	8	0.957	0.7	2.17	1.81	1.65	1.50	1.44
106-TDS9-EV	E	9	1.057	0.8	2.57	2.14	1.95	1.77	1.71
106-TDS10-EV	E	10	1.157	0.9	2.92	2.43	2.21	2.01	1.95

HALF-PITCH DIP SWITCHES

Electrical Specifications:
- Rating: switching: 25mA/24VDC
  non-switching: 100mA/50VDC

Mechanical Specifications:
- Operation force: 500gf max.
- Stroke: 0.6mm

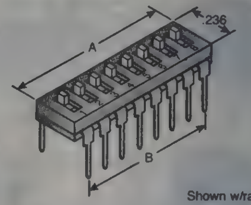
RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Positions	Dimensions: in.	Price Each				
			A	1	10	50	100	200
No Top Tape								
106-NHD2-EV	F	2	0.148	2.27	1.89	1.72	1.56	1.50
106-NHD4-EV	F	4	0.248	2.46	2.06	1.87	1.70	1.64
With Top Tape								
106-NHD6T-EV	F	6	0.348	2.74	2.29	2.08	1.89	1.74
106-NHD8T-EV	F	8	0.448	2.95	2.46	2.24	2.04	1.98
106-NHD10T-EV	F	10	0.548	3.09	2.58	2.34	2.13	2.07
No Top Tape								
106-FHD2-EV	G	2	0.148	2.27	1.89	1.72	1.56	1.50
106-FHD4-EV	G	4	0.248	2.46	2.06	1.87	1.70	1.64
106-FHD6-EV	G	6	0.348	2.66	2.22	2.01	1.84	1.78
106-FHD8-EV	G	8	0.448	2.85	2.36	2.14	1.94	1.88
106-FHD10-EV	G	10	0.548	2.99	2.48	2.24	2.03	1.97
With Top Tape								
106-FHD2T-EV	G	2	0.148	2.37	1.99	1.82	1.66	1.60
106-FHD4T-EV	G	4	0.248	2.56	2.16	1.97	1.80	1.74

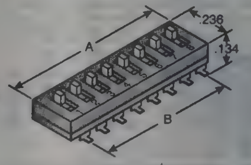
DIMENSIONS: in.

A



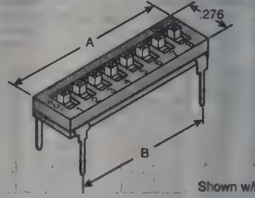
Shown w/raised actuator

B



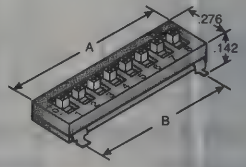
Shown w/raised actuator

C



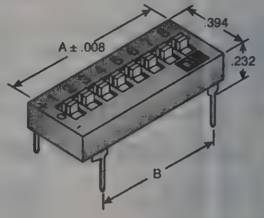
Shown w/raised actuator

D

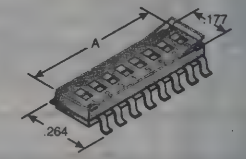


Shown w/raised actuator

E

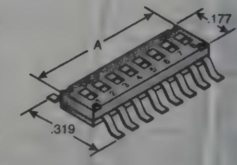


F



Shown w/top tape

G



OMRON DIP Switches

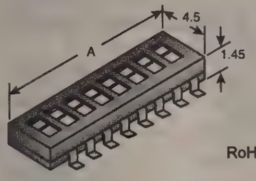
RoHS Compliant This page of product is compliant.

OMRON A6H SERIES: HALF-PITCH SURFACE MOUNT DIP SWITCHES

Specifications:
- Mechanical and Electrical life: 1,000 operations min.
- Dielectric strength: 300 VAC
- Operating force: 30gf
- Switching capacity: 25mA @ 24 VDC

Features:
- Ultra-low profile of 1.55mm
- Reduced mounting space

DIMENSIONS: mm



RoHS Compliant

With Seal Tape

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6H-4102	A6H-4102	4	6.31	1.89	1.74	1.63	1.51
653-A6H-8102	A6H-8102	8	11.39	2.47	2.27	2.13	1.98
653-A6H-0102	A6H-0102	10	13.93	2.81	2.58	2.41	2.24

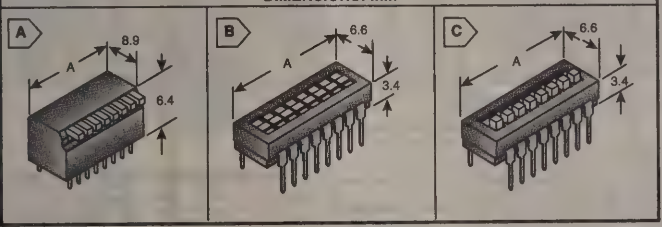
Standard Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6H-4101	A6H-4101	4	6.31	1.88	1.72	1.56	1.41
653-A6H-6101	A6H-6101	6	8.85	2.08	1.90	1.73	1.56
653-A6H-8101	A6H-8101	8	11.39	2.31	2.12	1.93	1.73
653-A6H-0101	A6H-0101	10	13.93	2.62	2.40	2.19	1.97

OMRON A6D SERIES: SUBMINIATURE DIP SWITCH

DIMENSIONS: mm



Specifications:
- Housing/Actuator: PBT (Polybutylene terephthalate)
- Movable contact: Beryllium copper
- Terminal: Nickel-iron alloy
- Switching capacity: 100mA, 5 VDC; 30mA, 30 VDC
- Operating force: 500 g max.
- Dielectric strength: 500 VAC
- Mechanical life: 5,000 operations min.
- Electrical life: 2,000 operations min.

Features:
- Internal rubber seal allows immersion-cleaning without taping
- Bifurcated movable contacts
- Smooth, sure switching action

RoHS Compliant

Side Actuated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6DR-2100	A	2	7.1	3.08	2.82	2.61	2.41
653-A6DR-4100	A	4	12.2	3.17	2.89	2.69	2.48
653-A6DR-6100	A	6	17.3	3.62	3.31	3.07	2.84
653-A6DR-8100	A	8	22.4	4.11	3.75	3.48	3.22
653-A6DR-0100	A	10	27.4	5.06	4.62	4.29	3.96

RoHS Compliant

Flat Actuated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6D-2100	B	2	7.1	2.11	1.92	1.79	1.65
653-A6D-4100	B	4	12.2	2.24	2.05	1.90	1.75
653-A6D-6100	B	6	17.3	2.50	2.29	2.12	1.96
653-A6D-8100	B	8	22.4	2.64	2.41	2.23	2.06
653-A6D-0100	B	10	27.4	5.19	4.74	4.40	4.06

RoHS Compliant

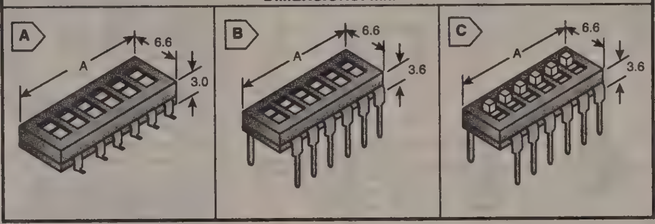
Raised Actuator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6D-2103	C	2	7.1	2.37	2.16	2.01	1.85
653-A6D-4103	C	4	12.2	2.37	2.16	2.01	1.85
653-A6D-6103	C	6	17.3	2.78	2.54	2.36	2.18
653-A6D-8103	C	8	22.4	2.92	2.66	2.47	2.28
653-A6D-0103	C	10	27.4	4.15	3.79	3.52	3.25

OMRON A6S & A6T SERIES: DIP SWITCHES WITH SLIDE PINS

DIMENSIONS: mm



Specifications:
- Switching capacity: 25mA, 24 VDC
- Contact resistance: 200m max. (initial value)
- Insulation resistance: 100M max. (initial value)
- Operating force: 30 gf
- Dielectric strength: 500 VAC
- Mechanical life: 1,000 operations min.
- Electrical life: 1,000 operations min.

Features:
- Allows automatic mounting with DIP IC insertion machines
- Flat actuated switches are tape sealed

RoHS Compliant

SMT Flat Actuated

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6S-2102	A	2	6.02	1.09	1.00	.93	.89
653-A6S-4102	A	4	11.10	1.15	1.05	.98	.93
653-A6S-5102	A	5	13.64	1.36	1.25	1.16	1.10
653-A6S-6102	A	6	16.18	1.43	1.31	1.22	1.16
653-A6S-7102	A	7	18.72	1.61	1.48	1.38	1.31
653-A6S-8102	A	8	21.26	1.56	1.43	1.33	1.27
653-A6S-9102	A	9	23.80	2.66	2.43	2.27	2.16
653-A6S-0102	A	10	26.34	2.56	2.34	2.18	2.08

RoHS Compliant

Flat Actuated Standard

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6T-2102	B	2	6.02	.92	.84	.79	.75
653-A6T-4102	B	4	11.10	1.03	.94	.88	.84
653-A6T-6102	B	6	16.18	1.07	.98	.91	.87
653-A6T-8102	B	8	21.26	1.59	1.45	1.36	1.29
653-A6T-0102	B	10	26.34	1.85	1.70	1.58	1.51

RoHS Compliant

Raised Actuator

For quantities of 500 and up, call for quote.

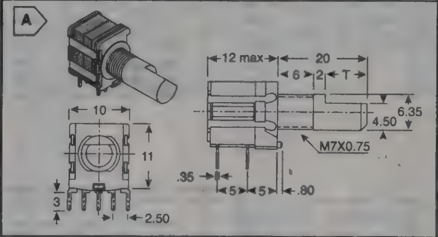
MOUSER STOCK NO.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6T-2104	C	2	6.02	.81	.74	.69	.66
653-A6T-4104	C	4	11.10	.91	.83	.77	.74
653-A6T-6104	C	6	16.18	1.00	.92	.85	.81
653-A6T-8104	C	8	21.26	1.33	1.22	1.14	1.08
653-A6T-0104	C	10	26.34	1.83	1.68	1.56	1.49

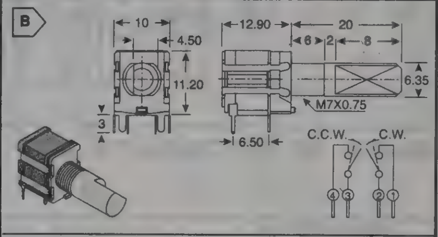
ALPHA Rotary Switches

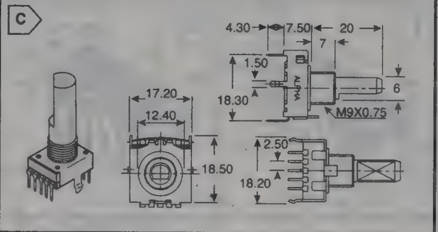
ALPHA

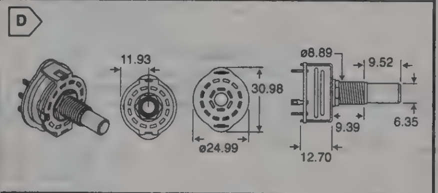
DIMENSIONS: mm

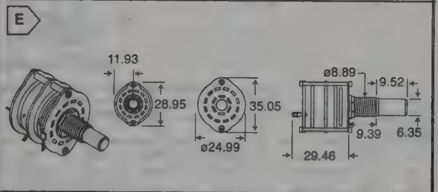
RoHS Compliant

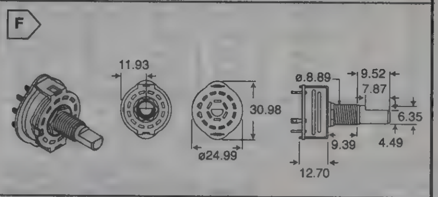


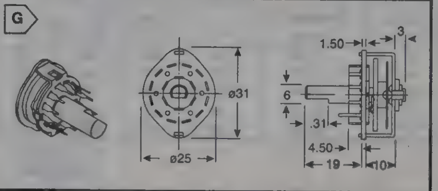












Replacement Hardware

The rotary switches are supplied with one nut and one washer. See hardware section for more hardware.

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Type	Size (mm)	Price Each	
			100	1000
48AN009	Nut	9	.027	.025
48CW009	Washer	9	.013	.011

RoHS Compliant **This page of product is compliant.**

SR10010F SERIES

- Rating: 0.1A/16VDC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100VDC-100MΩ min.
- Dielectric Strength: 100VAC for 1 minute
- Operating Life: 10000 cycles
- Shaft Type: 6.35mm D
- Timing: Non-shorting
- Terminals: PC mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
105-SR10010F-16NS	SR10010F-0106-20F0B-C7-N	A	1	6	20mm	5.86	5.33	4.84	4.40	4.00
105-SR10010F-22NS	SR10010F-0202-20F0B-C7-N	A	2	2	20mm	5.86	5.33	4.84	4.40	4.00
105-SR10010F-23NS	SR10010F-0203-20F0B-C7-N	A	2	3	20mm	5.86	5.33	4.84	4.40	4.00
105-SR10010F-24NS	SR10010F-0204-20F0B-C7-N	A	2	4	20mm	5.86	5.33	4.84	4.40	4.00
105-SR10010F-25NS	SR10010F-0205-20F0B-C7-N	A	2	5	20mm	5.86	5.33	4.84	4.40	4.00

SR10030F SERIES

- Rating: 0.1A/16VDC
- Contact Resistance (initial performance/after lifetime): 50mΩ max./ 150mΩ max.
- Shaft Type: 6.35mm D
- Terminal: PC mount
- Rotational Torque: 153 ± 71gf.cm
- Mechanical Life: 30000 cycles
- Electrical Life: 10000 cycles
- Pulse Switch Operation:
  C.W.: 1 & 2 on during change over
  C.C.W.: 3 & 4 on during change over

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Price Each				
				1	10	100	500	1000
105-SR10030F-PS	SR10030F-20F0B-C7	B	20mm	6.40	5.82	5.29	4.81	4.37

SR1712F SERIES

- Rating: 0.3A/16VDC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100VDC-100MΩ min.
- Dielectric Strength: 100VAC for 1 minute
- Operating Life: 10000 cycles
- Shaft Type: 6mm D
- Timing: Non-shorting
- Terminals: PC mount

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
105-SR1712F-16NS	SR1712F-0106-20F0A-N9-9	C	1	6	20mm	4.54	3.78	3.44	3.13	2.88
105-SR1712F-18NS	SR1712F-0108-20F0A-N9-9	C	1	8	20mm	4.54	3.78	3.44	3.13	2.88
105-SR1712F-22NS	SR1712F-0202-20F0A-N9-9	C	2	2	20mm	4.54	3.78	3.44	3.13	2.88
105-SR1712F-23NS	SR1712F-0203-20F0A-N9-9	C	2	3	20mm	4.54	3.78	3.44	3.13	2.88
105-SR1712F-24NS	SR1712F-0204-20F0A-N9-9	C	2	4	20mm	4.54	3.78	3.44	3.13	2.88

SR2511F, SR2512F, AND SR2921F SERIES

- Rating: 0.3A/125VAC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500VDC-100MΩ min.
- Dielectric Strength: 500VAC for 1 minute
- Rotational Torque: 1.0 ± 0.5Kg/cm

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
Non-Shorting Round Shaft with Solder Terminals										
105-SR2511F-25NS	SR2511F-0205-19R0B-E9-N-W	D	2	5	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-26RN	SR2511F-0206-19R0B-E9-N-W	D	2	6	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-34NS	SR2511F-0304-19R0B-E9-N-W	D	3	4	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-43RN	SR2511F-0403-19R0B-E9-N-W	D	4	3	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-62RN	SR2511F-0602-19R0B-E9-N-W	D	6	2	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-12RN	SR2511F-0112-19R0B-E9-N-W	D	1	12	19mm	2.20	1.84	1.67	1.52	1.35
Non-Shorting Round Shaft with PCB Pins										
105-SR2512F-18NS	SR2512F-0108-19R0B-E9-N-W	D	1	8	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2512F-25NS	SR2512F-0205-19R0B-E9-N-W	D	2	5	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2512F-26NS	SR2512F-0206-19R0B-E9-N-W	D	2	6	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2512F-34NS	SR2512F-0304-19R0B-E9-N-W	D	3	4	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2512F-43NS	SR2512F-0403-19R0B-E9-N-W	D	4	3	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2512F-62NS	SR2512F-0602-19R0B-E9-N-W	D	6	2	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2512F-110NS	SR2512F-0110-19R0B-E9-N-W	D	1	10	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2512F-112NS	SR2512F-0112-19R0B-E9-N-W	D	1	12	19mm	2.20	1.84	1.67	1.52	1.35
Shorting Round Shaft with Solder Terminals										
105-SR2511F-17S	SR2511F-0107-19R0B-E9-S-W	D	1	7	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-19S	SR2511F-0109-19R0B-E9-S-W	D	1	9	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-25S	SR2511F-0205-19R0B-E9-S-W	D	2	5	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-26S	SR2511F-0206-19R0B-E9-S-W	D	2	6	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-33S	SR2511F-0303-19R0B-E9-S-W	D	3	3	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-34S	SR2511F-0304-19R0B-E9-S-W	D	3	4	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-42S	SR2511F-0402-19R0B-E9-S-W	D	4	2	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-43S	SR2511F-0403-19R0B-E9-S-W	D	4	3	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-62S	SR2511F-0602-19R0B-E9-S-W	D	6	2	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-12S	SR2511F-0112-19R0B-E9-S-W	D	1	12	19mm	2.20	1.84	1.67	1.52	1.35
Shorting Round Shaft with Solder Terminals; 2 Layers (1 Pole per Layer)										
105-SR2921F-17S	SR2921F-0107-19R0B-E9-S-W	E	1	7	19mm	4.08	3.40	3.09	2.81	2.45
105-SR2921F-12S	SR2921F-0112-19R0B-E9-S-W	E	1	12	19mm	4.08	3.40	3.09	2.81	2.45
105-SR2921F-25S	SR2921F-0205-19R0B-E9-S-W	E	2	5	19mm	4.08	3.40	3.09	2.81	2.45
105-SR2921F-26S	SR2921F-0206-19R0B-E9-S-W	E	2	6	19mm	4.08	3.40	3.09	2.81	2.45
105-SR2921F-34S	SR2921F-0304-19R0B-E9-S-W	E	3	4	19mm	4.08	3.40	3.09	2.81	2.45
Non-Shorting D-Shaft with Solder Terminals										
105-SR2511F-25FN	SR2511F-0205-19F0B-E9-N-W	F	2	5	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-26FN	SR2511F-0206-19F0B-E9-N-W	F	2	6	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-34FN	SR2511F-0304-19F0B-E9-N-W	F	3	4	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-43FN	SR2511F-0403-19F0B-E9-N-W	F	4	3	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-62FN	SR2511F-0602-19F0B-E9-N-W	F	6	2	19mm	2.20	1.84	1.67	1.52	1.35
105-SR2511F-12FN	SR2511F-0112-19F0B-E9-N-W	F	1	12	19mm	2.20	1.84	1.67	1.52	1.35

SR2513F SERIES

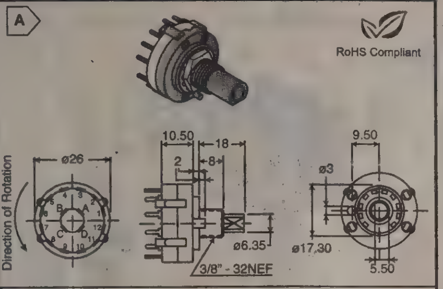
- Rating: 0.3A/125VAC
- Contact Resistance: 50mΩ max.
- Insulation Resistance: 500VDC-100MΩ min.
- Dielectric Strength: 500VAC for 1 minute
- Rotational Torque: 1.0 ± 0.5Kg/cm
- Shaft Type: 6mm D
- Timing: Non-shorting
- Terminals: PC mount

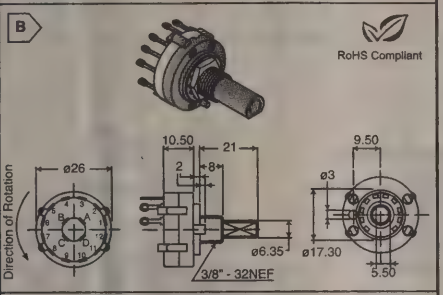
For quantities of 2000 and up, call for quote.

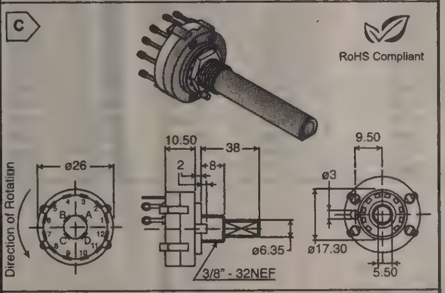
MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
105-SR2513F-110NS	SR2513F-0110-19F0A-T-N	G	1	10	19mm	1.61	1.34	1.22	1.11	1.02
105-SR2513F-112NS	SR2513F-0112-19F0A-T-N	G	1	12	19mm	1.61	1.34	1.22	1.11	1.02
105-SR2513F-24NS	SR2513F-0204-19F0A-T-N	G	2	4	19mm	1.61	1.34	1.22	1.11	1.02
105-SR2513F-25NS	SR2513F-0205-19F0A-T-N	G	2	5	19mm	1.61	1.34	1.22	1.11	1.02
105-SR2513F-26NS	SR2513F-0206-19F0A-T-N	G	2	6	19mm	1.61	1.34	1.22	1.11	1.02
105-SR2513F-34NS	SR2513F-0304-19F0A-T-N	G	3	4	19mm	1.61	1.34	1.22	1.11	1.02
105-SR2513F-43NS	SR2513F-0403-19F0A-T-N	G	4	3	19mm	1.61	1.34	1.22	1.11	1.02
105-SR2513F-62NS	SR2513F-0602-19F0A-T-N	G	6	2	19mm	1.61	1.34	1.22	1.11	1.02

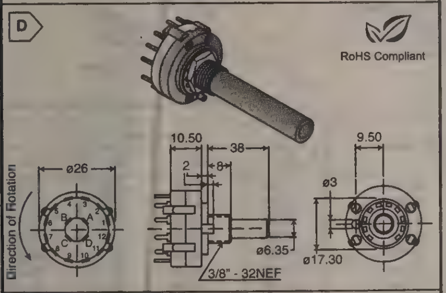
ALPHA Rotary Switches

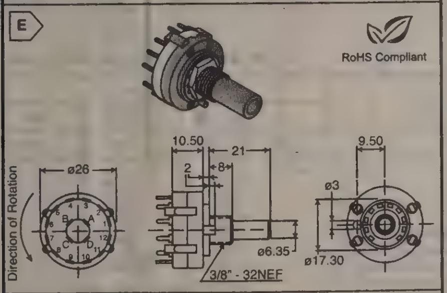
DIMENSIONS: mm

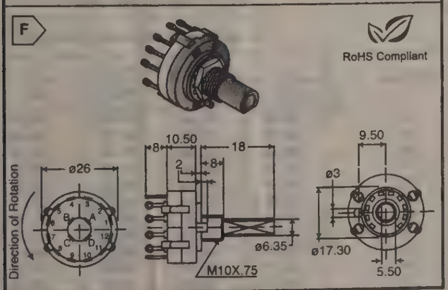












RoHS Compliant **This page of product is compliant.**

- Rating: 0.3A/125VAC
- Contact Resistance: 50mΩ max.
- Dielectric Strength: 500VAC for 1 minute
- Insulation Resistance: 500VDC-100MΩ min.

SR2611F SERIES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
Non-Shorting D Shaft with Solder Terminals - 30°										
105-SR2611F-17-18NS	SR2611F-0107-18F5B-D8-N	A	1	7	18mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-18-18NS	SR2611F-0108-18F5B-D8-N	A	1	8	18mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-25-18NS	SR2611F-0205-18F5B-D8-N	A	2	5	18mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-17-21NS	SR2611F-0107-21F5B-D8-N	B	1	7	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-18-21NS	SR2611F-0108-21F5B-D8-N	B	1	8	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-25-21NS	SR2611F-0205-21F5B-D8-N	B	2	5	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-17-38NS	SR2611F-0107-38F5B-D8-N	C	1	7	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-18-38NS	SR2611F-0108-38F5B-D8-N	C	1	8	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-25-38NS	SR2611F-0205-38F5B-D8-N	C	2	5	38mm	3.17	2.64	2.40	2.18	1.96
Non-Shorting Round Shaft with Solder Terminals - 30°										
105-SR2611F-17-38RN	SR2611F-0107-38R0B-D8-N	D	1	7	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-18-38RN	SR2611F-0108-38R0B-D8-N	D	1	8	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-12-38RN	SR2611F-0112-38R0B-D8-N	D	1	12	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-25-38RN	SR2611F-0205-38R0B-D8-N	D	2	5	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-26-38RN	SR2611F-0206-38R0B-D8-N	D	2	6	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-34-38RN	SR2611F-0304-38R0B-D8-N	D	3	4	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-43-38RN	SR2611F-0403-38R0B-D8-N	D	4	3	38mm	3.17	2.64	2.40	2.18	1.96
Shorting Round Shaft with Solder Terminals - 30°										
105-SR2611F-17-21RS	SR2611F-0107-21R0B-D8-S	E	1	7	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-18-21RS	SR2611F-0108-21R0B-D8-S	E	1	8	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-12-21RS	SR2611F-0112-21R0B-D8-S	E	1	12	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-25-21RS	SR2611F-0205-21R0B-D8-S	E	2	5	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-26-21RS	SR2611F-0206-21R0B-D8-S	E	2	6	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-34-21RS	SR2611F-0304-21R0B-D8-S	E	3	4	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2611F-43-21RS	SR2611F-0403-21R0B-D8-S	E	4	3	21mm	3.17	2.64	2.40	2.18	1.96

SR2612F SERIES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
Shorting D Shaft with PCB Pins - 30°										
105-SR2612F-17-18S	SR2612F-0107-18F5B-D8-S	A	1	7	18mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-18-18S	SR2612F-0108-18F5B-D8-S	A	1	8	18mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-25-18S	SR2612F-0205-18F5B-D8-S	A	2	5	18mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-12-38S	SR2612F-0112-38F5B-D8-S	C	1	12	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-26-38S	SR2612F-0206-38F5B-D8-S	C	2	6	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-34-38S	SR2612F-0304-38F5B-D8-S	C	3	4	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-43-38S	SR2612F-0403-38F5B-D8-S	C	4	3	38mm	3.17	2.64	2.40	2.18	1.96
Shorting Round Shaft with PCB Pins - 30°										
105-SR2612F-17-38RS	SR2612F-0107-38R0B-D8-S	D	1	7	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-18-38RS	SR2612F-0108-38R0B-D8-S	D	1	8	38mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-25-38RS	SR2612F-0205-38R0B-D8-S	D	2	5	38mm	3.17	2.64	2.40	2.18	1.96
Non-Shorting Round Shaft with PCB Pins - 30°										
105-SR2612F-17-21RN	SR2612F-0107-21R0B-D8-N	E	1	7	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-18-21RN	SR2612F-0108-21R0B-D8-N	E	1	8	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-12-21RN	SR2612F-0112-21R0B-D8-N	E	1	12	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-25-21RN	SR2612F-0205-21R0B-D8-N	E	2	5	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-26-21RN	SR2612F-0206-21R0B-D8-N	E	2	6	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-34-21RN	SR2612F-0304-21R0B-D8-N	E	3	4	21mm	3.17	2.64	2.40	2.18	1.96
105-SR2612F-43-21RN	SR2612F-0403-21R0B-D8-N	E	4	3	21mm	3.17	2.64	2.40	2.18	1.96

SR2613F SERIES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
Non-Shorting D Shaft with PCB Pins - 90°										
105-SR2613F-12-18NS	SR2613F-0102-18F5B-D8-N	A	1	2	18mm	3.68	3.07	2.79	2.54	2.34
105-SR2613F-13-18NS	SR2613F-0103-18F5B-D8-N	A	1	3	18mm	3.68	3.07	2.79	2.54	2.34
105-SR2613F-14-18NS	SR2613F-0104-18F5B-D8-N	A	1	4	18mm	3.68	3.07	2.79	2.54	2.34

SR2616F SERIES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
Non-Shorting D Shaft with PCB Pins - 60°										
105-SR2616F-14-18FN	SR2616F-0104-18F5B-D8-N	A	1	4	18mm	3.68	3.07	2.79	2.54	2.34
105-SR2616F-16-18FN	SR2616F-0106-18F5B-D8-N	A	1	6	18mm	3.68	3.07	2.79	2.54	2.34
105-SR2616F-22-18FN	SR2616F-0202-18F5B-D8-N	A	2	2	18mm	3.68	3.07	2.79	2.54	2.34

SR2617F SERIES

For quantities of 2000 and up, call for quote.

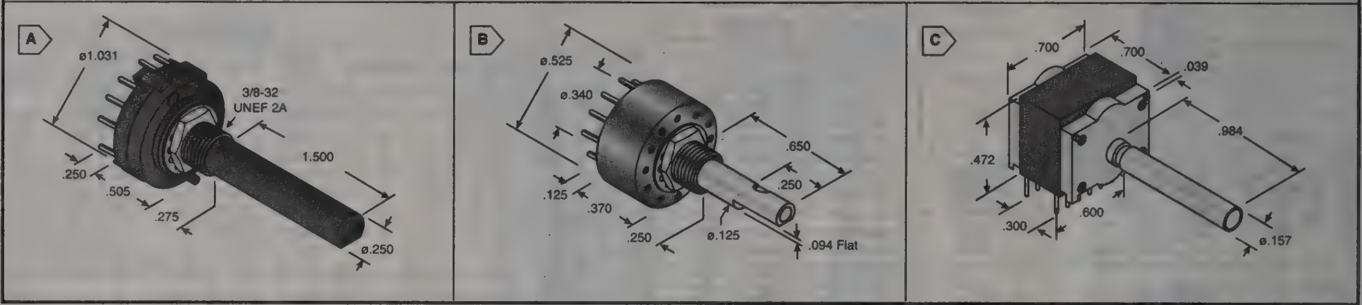
MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
Non-Shorting D Shaft with Solder Terminals - 60°										
105-SR2617F-13-18NS	SR2617F-0103-18F5B-D1-N	F	1	3	18mm	3.68	3.07	2.79	2.54	2.34
105-SR2617F-14-18NS	SR2617F-0104-18F5B-D1-N	F	1	4	18mm	3.68	3.07	2.79	2.54	2.34
105-SR2617F-16-18NS	SR2617F-0106-18F5B-D1-N	F	1	6	18mm	3.68	3.07	2.79	2.54	2.34

SR2619F SERIES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Alpha Part No.	Fig.	Poles	Positions	Shaft Length	Price Each				
						1	10	100	500	1000
Non-Shorting D Shaft with Solder Terminals - 90°										
105-SR2619F-12-38FN	SR2619F-0102-38F5B-D8-N	C	1	2	38mm	3.68	3.07	2.79	2.54	2.34
105-SR2619F-13-38FN	SR2619F-0103-38F5B-D8-N	C	1	3	38mm	3.68	3.07	2.79	2.54	2.34
105-SR2619F-14-38FN	SR2619F-0104-38F5B-D8-N	C	1	4	38mm	3.68	3.07	2.79	2.54	2.34

DIMENSIONS: in.



C&K SERIES A: 1-4 POLE ROTARY SWITCHES

Features/Benefits:
- Multi-pole and multi-position
- Positive detent
- Non-shorting contacts
- Panel and PCB mounting

Specifications:
- Contact Rating: 2.5A @ 125VAC; 350mA @ 125 VDC
- Dielectric Strength: 1000 Vrms min. @ sea level
- Insulation Resistance: $10^9\Omega$ min.
- Contact Material: Silver

Typical Application:
- Automotive
- Major and small appliances
- Industrial equipment

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Number of Positions	Number of Poles	Terminals	Price Each			
						1	25	50	100
* 611-A11205RNCQ	A11205RNCQ	A	12	SP	PCB	5.16	4.88	4.46	4.32
611-A112-15	A11215RNCQ	A	12	SP	PCB	4.99	4.72	4.31	4.18
611-A11215RNZQ	A11215RNZQ	A	12	SP	Solder	4.99	4.72	4.31	4.18
611-A20615RNCQ	A20615RNCQ	A	6	DP	PCB	5.28	4.99	4.57	4.42
611-A20615RNZQ	A20615RNZQ	A	6	DP	Solder	5.28	4.99	4.57	4.42
** 611-A30403RNZQ	A30403RNZQ	A	4	3P	Solder	5.40	5.10	4.67	4.52
611-A30415RNCQ	A30415RNCQ	A	4	3P	PCB	5.48	4.66	4.38	4.11
611-A30415RNZQ	A30415RNZQ	A	4	3P	Solder	5.22	4.94	4.52	4.37
611-A40315RNCQ	A40315RNCQ	A	3	4P	PCB	5.71	5.40	4.94	4.78
611-A40315RNZQ	A40315RNZQ	A	3	4P	Solder	5.71	5.40	4.94	4.78

* .50" Actuator shaft
** .375" Actuator shaft

C&K SERIES M: HALF-INCH ROTARY SWITCHES

Features/Benefits:
- Multi-pole and multi-positions
- Panel and PCB mounting
- Stainless steel actuator
- Non-shorting contacts

Specifications:
- Contact Rating: Carry 6A cont.; Switch 250mA max. @ 125 VAC or 28 VDC
- Dielectric Strength: 600 Vrms min. @ sea level
- Insulation Resistance: $10^{10}\Omega$ min.
- Contact Material: Copper alloy, silver plated
- MA, MB, and MD supplied with stop pins; MD, ME, and MH supplied with stop rings

Typical Application:
- Test equipment
- Industrial equipment
- Medical equipment

RoHS Compliant

Switches

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Number of Positions	Number of Poles	Terminals	Price Each			
						1	25	50	100
611-MA00L1NCQD	MA00L1NCQD	B	10	SP	PCB	8.72	8.32	7.91	7.51
611-ME00L1NCQD	ME00L1NCQD	B	10	SP	PCB	8.72	8.32	7.91	7.51
611-ME00L1NZQD	ME00L1NZQD	B	10	SP	Solder	8.39	8.00	7.61	7.22
611-MA00L1NZQD	MA00L1NZQD	B	10	SP	Solder	8.39	8.00	7.61	7.22
611-MD00L1NZQD	MD00L1NZQD	B	6	DP	Solder	9.60	9.15	8.70	8.26
611-MH00L1NZQD	MH00L1NZQD	B	6	DP	Solder	9.60	9.15	8.70	8.26
611-MB00L1NZQD	MB00L1NZQD	B	5	DP	Solder	9.33	8.89	8.46	8.03

Hardware

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Description	Price Each			
				1	25	50	100
611-537100000	537100000	- -	Replacement stop pins	.19	.16	.15	.14

C&K SERIES MIL: 1-4 POLES RIGHT ANGLE ROTARY SWITCHES

Features/Benefits:
- Bushing option for panel mount
- 1-4 poles per bank and up to 5 banks per switch
- Totally sealed, insert molded contact and terminals
- Low profile - 12mm above PCB

Specifications:
- Contact Rating: Carry 1A; Switch 20mA, 1 VA max.
- Dielectric Strength: 500 Vrms
- Insulation Resistance: $10^9\Omega$
- Contact Material: Brass, gold plated

Typical Application:
- Telecom switching equipment
- Military communications
- Instrumentation
- Medical monitors

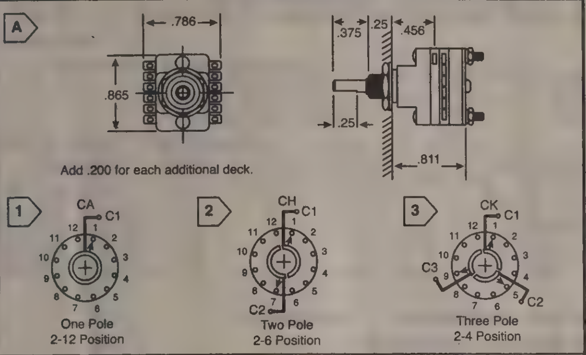
RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Number of Positions	Number of Poles	Terminals	Price Each			
						1	25	50	100
611-MIL1106B06NSD2	MIL1106B06NSD25	C	6	1	No	35.44	33.52	30.65	29.69
611-MIL1112B12NSD2	MIL1112B12NSD25	C	12	1	No	36.85	34.86	31.87	30.88
611-MIL1112SNSD25	MIL1112SNSD25	C	12 no stop	1	No	34.30	32.44	29.66	28.74
611-MIL1206B06NSD2	MIL1206B06NSD25	C	6	2	No	38.31	36.24	33.14	32.10
611-MIL1303B03NSD2	MIL1303B03NSD25	C	3	3	No	39.63	37.48	34.27	33.20
611-MIL2112B12NSD2	MIL2112B12NSD25	C	12	1	No	63.26	59.84	54.72	53.01
611-MIL1106B06NAD2	MIL1106B06NAD25	C	6	1	Yes	42.94	40.62	37.14	35.98
611-MIL1112B12NAD2	MIL1112B12NAD25	C	12	1	Yes	46.03	43.54	39.81	38.56
611-MIL1206B06NAD2	MIL1206B06NAD25	C	6	2	Yes	46.49	43.98	40.21	38.95
611-MIL1206SNAD25	MIL1206SNAD25	C	6 no stop	2	Yes	44.72	42.30	38.67	37.47
611-MIL1303B03NAD2	MIL1303B03NAD25	C	3	3	Yes	46.52	44.01	40.24	38.98

DIMENSIONS: in.

A



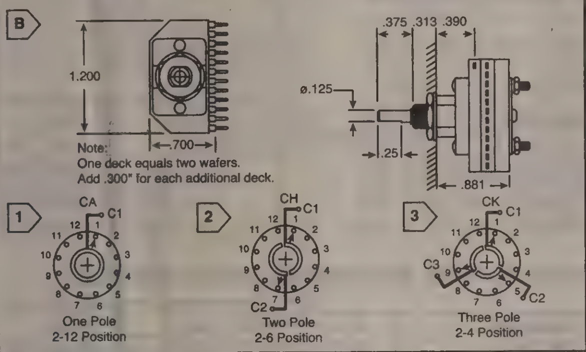
Add .200 for each additional deck.

One Pole
2-12 Position

Two Pole
2-6 Position

Three Pole
2-4 Position

B



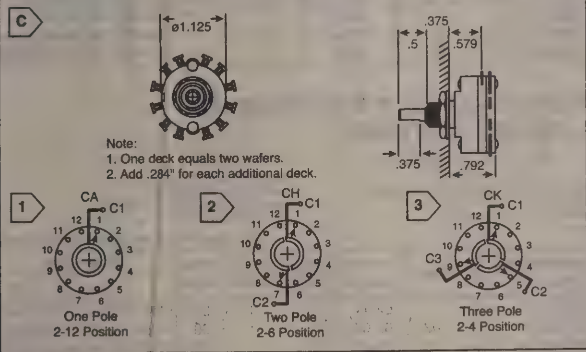
Note:
One deck equals two wafers.
Add .300" for each additional deck.

One Pole
2-12 Position

Two Pole
2-6 Position

Three Pole
2-4 Position

C



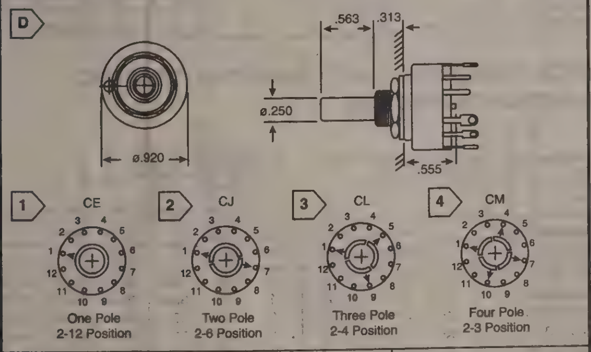
Note:
1. One deck equals two wafers.
2. Add .284" for each additional deck.

One Pole
2-12 Position

Two Pole
2-6 Position

Three Pole
2-4 Position

D



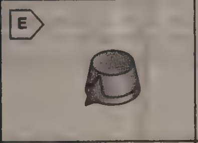
One Pole
2-12 Position

Two Pole
2-6 Position

Three Pole
2-4 Position

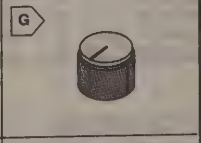
Four Pole
2-3 Position

E



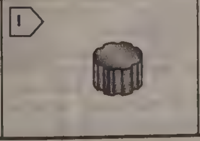
F

G

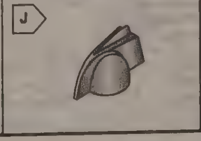


H

I



J



ELECTROSWITCH C1 SERIES: .865" WIDE ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

Specifications:
- Shaft diameter: .125"
- Current and Voltage Rating: .25A @28VDC; 0.1A @125VAC
- Current carrying capacity: 6A
- Dielectric Strength: 600VAC
- Insulation Material: Diallyl phthalate
- Terminals and contacts: Brass with silver plate
- Index: Dual-ball, hill and valley
- Termination: Solder lug
- Non-shorting
- Stops set at 2 pos.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-C1D0112N-A	C1D0112N-A	A1	01	02-12	1	1	30°	18.29	15.66	14.56	13.52
690-C1D0206N-A	C1D0206N-A	A2	02	02-06	2	1	30°	18.90	18.56	17.40	16.24
690-C1D0304N-A	C1D0304N-A	A3	03	02-04	3	1	30°	18.90	18.56	17.40	16.24
690-C1D0212N-A	C1D0212N-A	A1	02	02-12	1	2	30°	22.82	22.40	21.00	19.60
690-C1D0406N-A	C1D0406N-A	A2	04	02-06	2	2	30°	22.53	22.11	20.73	19.34
690-C1D0604N-A	C1D0604N-A	A3	06	02-04	3	2	30°	22.53	22.11	20.73	19.34

ELECTROSWITCH C3 SERIES: 1.2" WIDE ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

Specifications:
- Shaft diameter: .125"
- Current and Voltage Rating: .25A @28VDC; 0.1A @125VAC
- Current carrying capacity: 6A
- Insulation Material: Polyester
- Terminals and contacts: Brass with silver plate
- Termination: PC terminals
- Index: Dual-ball, hill and valley
- Non-shorting
- 12 pin construction
- Stops set at 2 pos.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-C3P0112N-A	C3P0112N-A	B1	01	02-12	1	1	30°	18.90	18.56	17.40	16.24
690-C3P0206N-A	C3P0206N-A	B2	02	02-06	2	1	30°	18.29	15.66	14.56	13.52
690-C3P0304N-A	C3P0304N-A	B3	03	02-04	3	1	30°	18.29	15.66	14.56	13.52
690-C3P0212N-A	C3P0212N-A	B1	02	02-12	1	2	30°	22.53	22.11	20.73	19.34
690-C3P0406N-A	C3P0406N-A	B2	04	02-06	2	2	30°	22.82	22.40	21.00	19.60
690-C3P0604N-A	C3P0604N-A	B3	06	02-04	3	2	30°	22.53	22.11	20.73	19.34

ELECTROSWITCH C4 SERIES: 1.5" DIAMETER ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: .5A @28VDC; 0.3A @125VAC
- Current carrying capacity: 15A
- Dielectric Strength: 1000VAC
- Insulation Material: Diallyl phthalate
- IP67 versions available. Please contact Mouser sales.
- Terminals and contacts: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Non-shorting
- Stops set at 2 pos.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-C4D0112N-A	C4D0112N-A	C1	01	02-12	1	1	30°	12.33	11.28	10.38	9.52
690-C4D0206N-A	C4D0206N-A	C2	02	02-06	2	1	30°	12.33	11.28	10.38	9.52
690-C4D0304N-A	C4D0304N-A	C3	03	02-04	3	1	30°	16.95	16.63	15.59	14.55
690-C4D0212N-A	C4D0212N-A	C1	02	02-12	1	2	30°	16.02	14.85	13.52	12.29
690-C4D0406N-A	C4D0406N-A	C2	04	02-06	2	2	30°	16.02	14.85	13.52	12.29
690-C4D0604N-A	C4D0604N-A	C3	06	02-04	3	2	30°	16.02	14.85	13.52	12.29
690-C4D0312N-A	C4D0312N-A	C1	03	02-12	1	3	30°	21.37	20.15	18.92	17.55
690-C4D0606N-A	C4D0606N-A	C2	06	02-06	2	3	30°	19.85	18.37	17.22	15.99
690-C4D0904N-A	C4D0904N-A	C3	09	02-04	3	3	30°	19.85	18.37	17.22	15.99
690-C4D0412N-A	C4D0412N-A	C1	04	02-12	1	4	30°	22.76	21.09	19.56	18.33
690-C4D0806N-A	C4D0806N-A	C2	08	02-06	2	4	30°	22.76	21.09	19.56	18.33
690-C4D1204N-A	C4D1204N-A	C3	12	02-04	3	4	30°	22.76	21.09	19.56	18.33

ELECTROSWITCH C5 SERIES: .92" SEALED ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

Specifications:
- Internal and external seals for washability
- Shaft diameter: .250"
- Current and Voltage Rating: 1A @28VDC; 1A @125VAC
- Current carrying capacity: 5A
- Insulation Material: Polyester
- Terminals and contacts: Brass with silver plate
- Termination: Solder lug
- Index: Molded live spring detent
- Non-shorting
- Stops set at 2 pos.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Sections	No. of Sections	Index Angle	Price Each			
								1	10	25	50
690-C5P0112N-A	C5P0112N-A	D1	01	02-12	1	1	30°	5.71	5.60	5.25	4.90
690-C5P0206N-A	C5P0206N-A	D2	02	02-06	2	1	30°	6.20	6.08	5.70	5.32
690-C5P0304N-A	C5P0304N-A	D3	03	02-04	3	1	30°	6.52	6.40	6.00	5.60
690-C5P0403N-A	C5P0403N-A	D4	04	02-03	4	1	30°	6.85	6.72	6.30	5.88

ELECTROSWITCH KNOBS

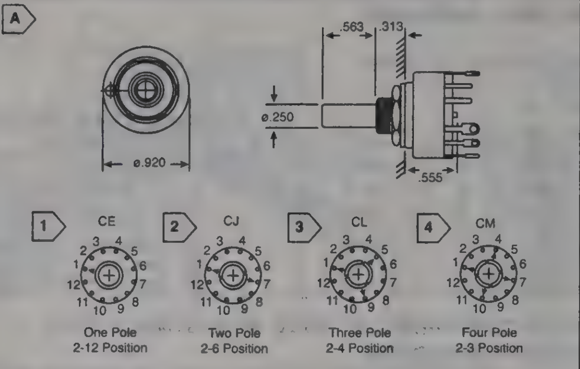
RoHS Compliant

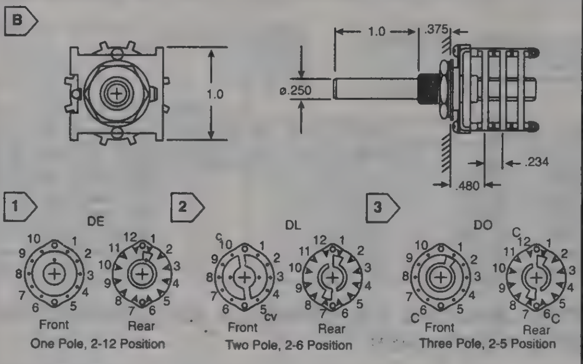
For quantities of 100 and up, call for quote.

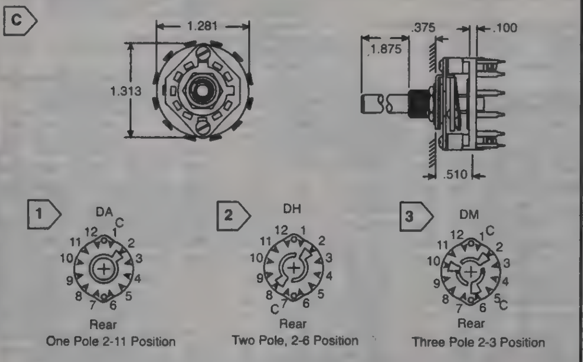
MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each			
				1	10	25	50
690-1400R	1400R	E	Pointer knob w/set screw	2.12	2.08	1.95	1.82
690-1910DG	1910DG	F	Inner knob w/ skirt and spun silver color cap	3.26	3.20	3.00	2.80
690-1202BJ	1202BJ	G	Round knob w/ spun silver cap, set screw	5.05	4.96	4.65	4.34
690-1930BP	1930BP	H	Large round knob w/ skirt, set screw	4.08	4.00	3.75	3.50
690-1914N	1914N	I	Round knob w/ brass insert, set screw	6.03	5.92	5.55	5.18
690-2300	2300	J	Pointer knob w/ set screw	1.79	1.76	1.65	1.54

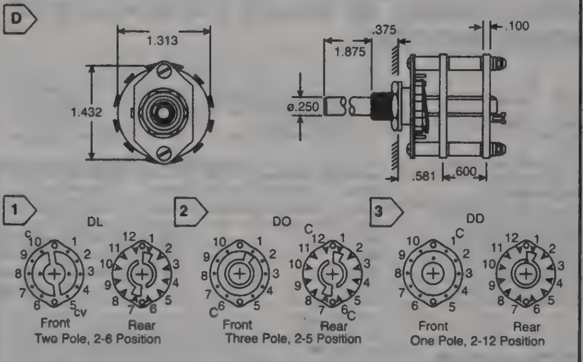
ELECTROSWITCH Rotary Switches

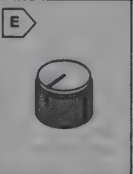
DIMENSIONS: In.

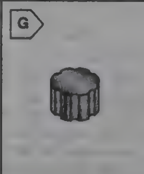

A
.563
.313
ø.250
ø.920
.555
1
CE
One Pole
2-12 Position
2
CJ
Two Pole
2-6 Position
3
CL
Three Pole
2-4 Position
4
CM
Four Pole
2-3 Position

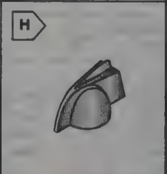

B
1.0
.375
1.0
ø.250
.234
.480
1
DE
Front
Rear
One Pole, 2-12 Position
2
DL
Front
Rear
Two Pole, 2-6 Position
3
DO
Front
Rear
Three Pole, 2-5 Position


C
1.281
1.313
.375
.100
1.875
.510
1
DA
Rear
One Pole 2-11 Position
2
DH
Rear
Two Pole, 2-6 Position
3
DM
Rear
Three Pole 2-3 Position


D
1.313
1.432
.375
.100
1.875
ø.250
.581
.600
1
DL
Front
Rear
Two Pole, 2-6 Position
2
DO
Front
Rear
Three Pole, 2-5 Position
3
DD
Front
Rear
One Pole, 2-12 Position







ELECTROSWITCH C6 SERIES: .92" UNSEALED ADJUSTABLE STOP ENCLOSED ROTARY SWITCHES

RoHS Compliant

Specifications:

- Shaft diameter: .250"
- Current and Voltage Rating: 1A @28VDC; 1A @125VAC
- Current carrying capacity: 5A
- Dielectric Strength: 1000VAC
- Insulation Material: Polyester
- Terminals and contacts: Brass with silver plate
- Termination: Solder lug
- Index: Molded live spring detent
- Non-shorting
- Stops set at 2 pos.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-C6P0112N-A	C6P0112N-A	A1	01	02-12	1	1	30°	5.55	5.44	5.10	4.76
690-C6P0206N-A	C6P0206N-A	A2	02	02-06	2	1	30°	6.20	6.08	5.70	5.32
690-C6P0304N-A	C6P0304N-A	A3	03	02-04	3	1	30°	6.52	6.40	6.00	5.60
690-C6P0403N-A	C6P0403N-A	A4	04	02-03	4	1	30°	6.85	6.72	6.30	5.88

ELECTROSWITCH D2 SERIES: 1" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:

- Shaft diameter: .250"
- Current and Voltage Rating: .55A @28VDC; .25A @115VAC
- Current carrying capacity: 7A
- Dielectric Strength: 750VAC
- Insulation Material: Diallyl phthalate
- Clips and rotors: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, side thrust design
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-D2D0112N	D2D0112N	B1	01	02-12	1	1	30°	29.51	26.97	25.29	23.60
690-D2D0206N	D2D0206N	B2	02	02-06	2	1	30°	35.53	32.48	30.45	28.42
690-D2D0305N	D2D0305N	B3	03	02-05	3	1	30°	29.51	26.97	25.29	23.60
690-D2D0406N	D2D0406N	B2	04	02-06	2	2	30°	43.96	43.16	40.46	37.76

ELECTROSWITCH SECTION ASSEMBLIES FOR D2 SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Poles	No. of Positions	Poles/ Sections	Index Angle	Price Each			
						1	10	25	50
690-D2D-51	D2D-51	01	02-12	1	30°	14.10	13.84	12.98	12.11
690-D2D-53	D2D-53	02	02-06	2	30°	15.65	15.36	14.40	13.44
690-D2D-55	D2D-55	03	02-05	3	30°	17.44	17.12	16.05	14.98

ELECTROSWITCH D3 SERIES: 1 5/16" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:

- Shaft diameter: .250"
- Current and Voltage Rating: 1.5A @28VDC; 0.5A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Ceramic
- Clips and rotors: Silver alloy
- Termination: Solder lug
- Index: Single-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-D3C0111N	D3C0111N	C1	01	02-11	1	1	30°	53.63	52.64	49.35	46.06
690-D3C0205N	D3C0205N	C2	02	02-05	2	1	30°	53.53	52.54	49.26	45.97
690-D3C0303N	D3C0303N	C3	03	02-03	3	1	30°	53.63	52.64	49.35	46.06
690-D3C0211N	D3C0211N	C1	02	02-11	1	2	30°	91.18	89.50	83.91	78.31
690-D3C0405N	D3C0405N	C2	04	02-05	2	2	30°	91.18	89.50	83.91	78.31

ELECTROSWITCH D4 SERIES: 1.437" DIAMETER CERAMIC OPEN FRAME ROTARY SWITCHES

Specifications:

- Shaft diameter: .250"
- Make I Break Current / Voltage Rating: 1.5A @28VDC; 0.5A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Ceramic
- Clips and rotors: Silver alloy
- Termination: Solder lug
- Index: Single-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-D4C0112N	D4C0112N	D3	01	02-12	1	1	30°	36.51	35.84	33.60	31.36
690-D4C0206N	D4C0206N	D1	02	02-06	2	1	30°	36.68	36.00	33.75	31.50
690-D4C0212N	D4C0212N	D3	02	02-12	1	2	30°	57.05	56.00	52.50	49.00
690-D4C0605N	D4C0605N	D2	06	02-05	3	2	30°	57.05	56.00	52.50	49.00
690-D4C0312N	D4C0312N	D3	03	02-12	1	3	30°	78.24	76.80	72.00	67.20
690-D4C0606N	D4C0606N	D1	06	02-06	2	3	30°	76.12	74.72	70.05	65.38
690-D4C0412N	D4C0412N	D3	04	02-12	1	4	30°	99.10	97.28	91.20	85.12
690-D4C0612N	D4C0612N	D3	06	02-12	1	6	30°	140.34	137.76	129.15	120.54

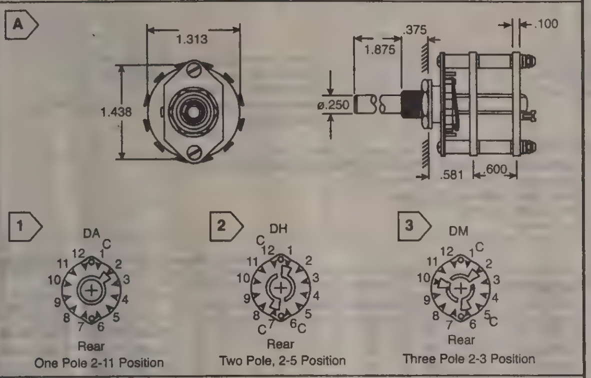
ELECTROSWITCH KNOBS

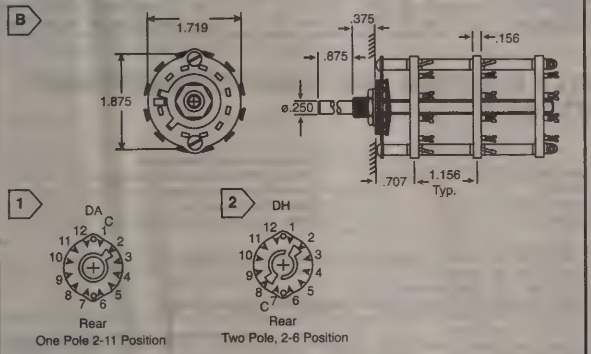
RoHS Compliant

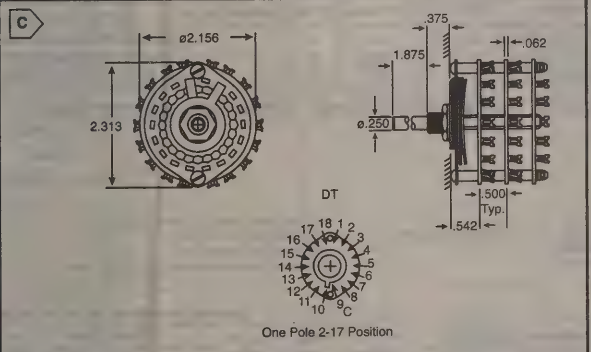
For quantities of 100 and up, call for quote.

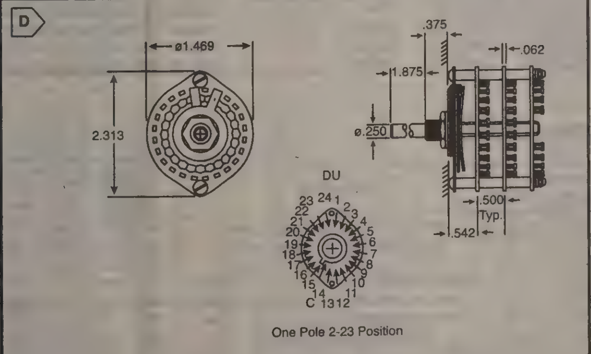
MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each			
				1	10	25	50
690-1202BJ	1202BJ	E	Round knob w/ spun silver cap, set screw	5.05	4.96	4.65	4.34
690-1930BP	1930BP	F	Large round knob w/ skirt, set screw	4.08	4.00	3.75	3.50
690-1914N	1914N	G	Round knob w/ brass insert, set screw	6.03	5.92	5.55	5.18
690-2300	2300	H	Pointer knob w/ set screw	1.79	1.76	1.65	1.54

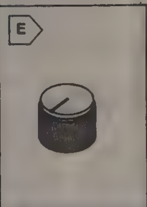
DIMENSIONS: in.

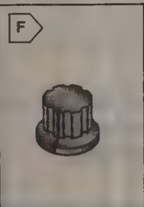


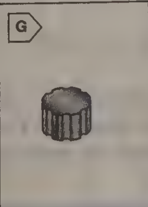


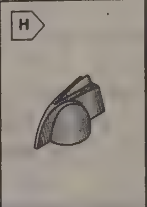












ELECTROSWITCH D4 SERIES: 1.437" DIAMETER GLASS EPOXY OPEN FRAME ROTARY SWITCHES

Specifications:
- Make I Break Current/Voltage Rating 1.5@28VDC; 0.5A@115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Glass epoxy
- Clips and rotors: Silver alloy
- Termination: Solder lug
- Index: Single-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-D4G0111N	D4G0111N	A1	01	02-11	1	1	30°	**24.45**	**24.00**	**22.50**	**21.00**
690-D4G0205N	D4G0205N	A2	02	02-05	2	1	30°	**24.45**	**24.00**	**22.50**	**21.00**
690-D4G0303N	D4G0303N	A3	03	02-03	3	1	30°	**24.45**	**24.00**	**22.50**	**21.00**
690-D4G0211N	D4G0211N	A1	02	02-11	1	2	30°	**33.07**	**32.47**	**30.44**	**28.41**
690-D4G0405N	D4G0405N	A2	04	02-05	2	2	30°	**33.07**	**32.47**	**30.44**	**28.41**
690-D4G0603N	D4G0603N	A3	06	02-03	3	2	30°	**33.08**	**32.48**	**30.45**	**28.42**
690-D4G0311N	D4G0311N	A1	03	02-11	1	3	30°	**41.57**	**40.80**	**38.25**	**35.70**
690-D4G0605N	D4G0605N	A2	06	02-05	2	3	30°	**41.57**	**40.80**	**38.25**	**35.70**
690-D4G0411N	D4G0411N	A1	04	02-11	1	4	30°	**50.13**	**49.20**	**46.13**	**43.05**
690-D4G0511N	D4G0511N	A1	05	02-11	1	5	30°	**58.51**	**57.44**	**53.85**	**50.26**

ELECTROSWITCH SECTION ASSEMBLIES FOR D4 SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Poles	No. of Positions	Poles/ Sections	Index Angle	Price Each			
						1	10	25	50
690-D4C-1	D4C-1	01	02-12	1	30°	**28.76**	**28.23**	**26.46**	**24.70**
690-D4C-3	D4C-3	02	02-06	2	30°	**30.55**	**29.99**	**28.11**	**26.24**
690-D4C-5	D4C-5	03	02-05	3	30°	**33.08**	**32.48**	**30.45**	**28.42**
690-D4G-31	D4G-31	01	02-11	1	30°	**11.74**	**11.52**	**10.80**	**10.08**
690-D4G-33	D4G-33	02	02-05	2	30°	**13.13**	**12.89**	**12.08**	**11.28**
690-D4G-35	D4G-35	03	02-03	3	30°	**14.02**	**13.76**	**12.90**	**12.04**

ELECTROSWITCH D7 SERIES: 1 7/8" DIAMETER OPEN FRAME ROTARY SWITCHES

RoHS Compliant

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 2.25A @28VDC; 1A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1500VAC
- Insulation material: D7C - Ceramic; D7G - Glass epoxy
- Clips and rotors: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-D7C0111N	D7C0111N	B1	01	02-11	1	1	30°	**38.31**	**37.60**	**35.25**	**32.90**
690-D7C0211N	D7C0211N	B1	02	02-11	1	2	30°	**61.29**	**60.16**	**56.40**	**52.64**
690-D7C0405N	D7C0405N	B2	04	02-05	2	2	30°	**61.29**	**60.16**	**56.40**	**52.64**
690-D7C0605N	D7C0605N	B2	06	02-05	2	3	30°	**84.05**	**82.50**	**77.34**	**72.19**
690-D7G0111N	D7G0111N	B1	01	02-11	1	1	30°	**28.85**	**28.32**	**26.55**	**24.78**

ELECTROSWITCH D8 SERIES: 2 5/16" DIAMETER OPEN FRAME ROTARY SWITCHES

RoHS Compliant

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 2.25A @28VDC; 1A @115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Glass epoxy
- Clips and rotors: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-D8G0117N	D8G0117N	C	01	02-17	1	1	20°	**38.99**	**38.27**	**35.88**	**33.49**
690-D8G0217N	D8G0217N	C	02	02-17	1	2	20°	**58.19**	**57.12**	**53.55**	**49.98**
690-D8G0417N	D8G0417N	C	04	02-17	1	4	20°	**96.66**	**94.88**	**88.95**	**83.02**

ELECTROSWITCH D9 SERIES: 2 5/16" DIAMETER OPEN FRAME ROTARY SWITCHES

RoHS Compliant

Specifications:
- Shaft diameter: .250"
- Current and Voltage Rating: 1.5A @ 28VDC; .25A @ 115VAC
- Current carrying capacity: 9A
- Dielectric Strength: 1000VAC
- Insulation Material: Glass epoxy
- Clips and rotors: Brass with silver plate
- Termination: Solder lug
- Index: Dual-ball, hill and valley
- Non-shorting

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Deck	No. of Decks	Index Angle	Price Each			
								1	10	25	50
690-D9G0123N	D9G0123N	D	01	02-23	1	1	15°	**38.63**	**37.92**	**35.55**	**33.18**
690-D9G0223N	D9G0223N	D	02	02-23	1	2	15°	**57.70**	**56.64**	**53.10**	**49.56**
690-D9G0423N	D9G0423N	D	04	02-23	1	4	15°	**96.01**	**94.24**	**88.35**	**82.46**

RoHS Compliant

ELECTROSWITCH KNOBS

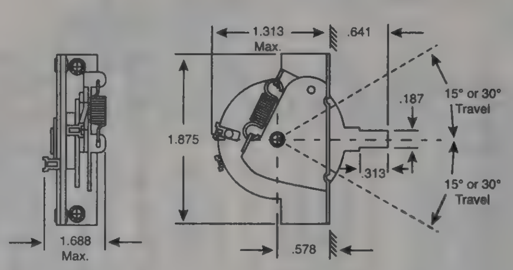
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each			
				1	10	25	50
690-1202BJ	1202BJ	E	Round knob w/ spun silver cap, set screw	**5.05**	**4.96**	**4.65**	**4.34**
690-1930BP	1930BP	F	Large round knob w/ skirt, set screw	**4.08**	**4.00**	**3.75**	**3.50**
690-1914N	1914N	G	Round knob w/ brass insert, set screw	**6.03**	**5.92**	**5.55**	**5.18**
690-2300	2300	H	Pointer knob w/ set screw	**1.79**	**1.76**	**1.65**	**1.54**

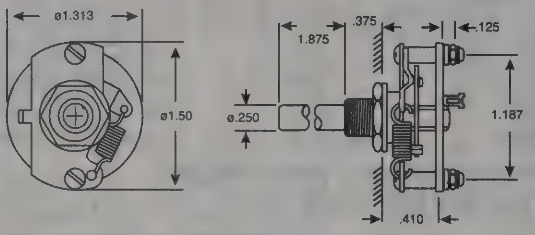
ELECTROSWITCH Lever and Rotary Switches

DIMENSIONS: In.

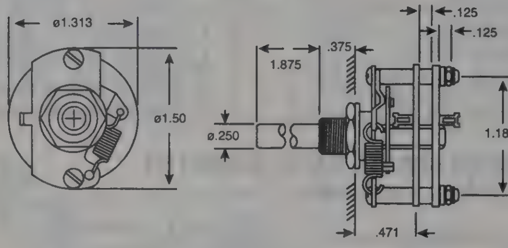
A



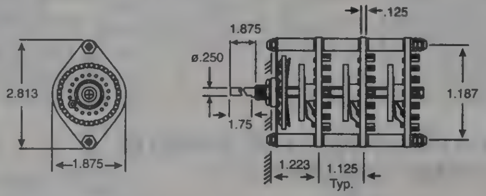
B



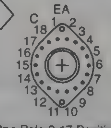
C



D

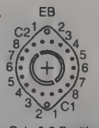


1



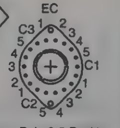
One Pole 2-17 Position

2



Two Pole 2-8 Position

3



Three Pole 2-5 Position

E

F

G

H

I

J

K

ELECTROSWITCH E2 SERIES: LEVER ACTION ROTARY SWITCHES

Specifications:

- Current and Voltage Rating: 1.5A @ 28VDC; 0.5A @ 115VAC
- Dielectric Strength: 1,000VAC
- Insulation Material: Glass epoxy
- Fixed stops
- Clips and Rotors: Brass with silver plate
- Index: Cam and roller with coil spring
- Termination: Solder Lug
- Index angles: Positive 30°, 15° and spring return
- Non-shorting

Spring return explanations (index angle)

1	Positive index one side to center, spring return opposite side to center
2	Positive index both sides of center
3	Spring return both sides to center
4	Spring return to center
5	Positive index

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Section	No. of Sections	Index Angle	Price Each			
								1	10	25	50
690-E2G0203N-1	E2G0203N-1	A	02	03	2	1	1	18.58	18.24	17.10	15.96
690-E2G0203N	E2G0203N	A	02	03	2	1	2	18.58	18.24	17.10	15.96
690-E2G0203N-2	E2G0203N-2	A	02	03	2	1	3	18.58	18.24	17.10	15.96
690-E2G0402N-3	E2G0402N-3	A	04	02	4	1	4	20.86	20.48	19.20	17.92
690-E2G0402N	E2G0402N	A	04	02	4	1	5	20.86	20.48	19.20	17.92

ELECTROSWITCH E3 SERIES: 1 1/2" DIAMETER OPEN FRAME ROTARY SWITCHES

Specifications:

- Shaft diameter: .250"
- Current and Voltage Rating: 1.5A @28VDC; 0.5A @115VAC
- Dielectric Strength: 1,500VAC
- Contact Resistance: 3.5mΩ (initially)
- Insulation Resistance: 750,000MΩ
- Insulation Material: Glass epoxy
- Clips and Rotors: Brass with silver plate
- Contact Type: Non-shorting
- Termination: Solder Lug
- Standard construction consists of a 30° index.

Spring return explanations (index angle)

1	Spring return from clockwise
2	Spring return both sides to center
3	Spring return clockwise to center, positive index counter clockwise of center

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Section	No. of Sections	Index Angle	Price Each			
								1	10	25	50
690-E3G0402N-1	E3G0402N-1	B	04	02	4	1	1	30.55	29.99	28.11	26.24
690-E3G0603N-2	E3G0603N-2	C	06	03	3	2	2	42.30	41.51	38.92	36.32
690-E3G0603N-3	E3G0603N-3	C	06	03	3	2	3	42.30	41.51	38.92	36.32

ELECTROSWITCH E4 SERIES: 2 13/16" OPEN FRAME ROTARY SWITCHES

RoHS Compliant

Specifications:

- Shaft Diameter: .250"
- Current and Voltage Rating: 11A @28VDC; 9A @115VAC
- Dielectric Strength: 3,000VAC
- Insulation Material: Ceramic
- Contact and Collector Rings: Coin silver
- Contact Type: Non-shorting
- Termination: Solder Lug
- Standard construction consists of a 20° index.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Poles	Active Positions	Poles/ Section	No. of Sections	Price Each			
							1	5	10	25
690-E4C0117N	E4C0117N	D1	01	02-17	1	1	132.85	130.40	122.25	114.10
690-E4C0208N	E4C0208N	D2	02	02-08	2	1	124.21	121.92	114.30	106.68
690-E4C0305N	E4C0305N	D3	03	02-05	3	1	132.85	130.40	122.25	114.10
690-E4C0605N	E4C0605N	D3	06	02-05	3	2	246.13	241.60	226.50	211.40

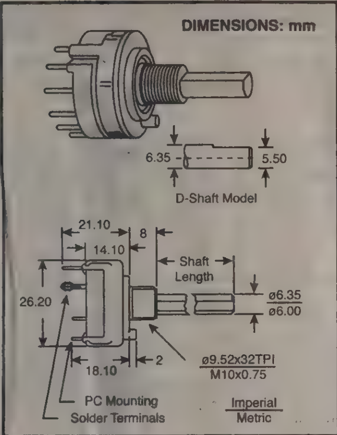
ELECTROSWITCH KNOBS

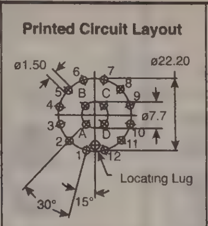
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Electroswitch Part No.	Fig.	Description	Price Each			
				1	10	25	50
690-5149A	5149A	E	Oval knob push on design, black	1.30	1.28	1.20	1.12
690-SSKW	SSKW	F	Switch tip push on design, white	1.30	1.28	1.20	1.12
690-SSKB	SSKB	G	Switch tip push on design, black	1.30	1.28	1.20	1.12
690-1202BJ	1202BJ	H	Round knob w/ spun silver cap, set screw	5.05	4.96	4.65	4.34
690-1930BP	1930BP	I	Large round knob with skirt, set screw	4.08	4.00	3.75	3.50
690-1914N	1914N	J	Round knob with brass insert, set screw	6.03	5.92	5.55	5.18
690-2300	2300	K	Pointer knob with set screw	1.79	1.76	1.65	1.54

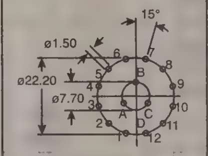
Mouser can support your custom rotary switch needs with a 2 week lead-time from Electroswitch. Call Mouser for items not listed.

LORLIN Fully Enclosed Adjustable Rotary Switches

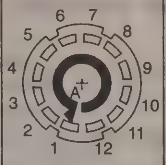




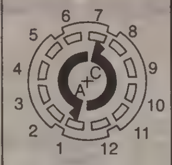
1, 2, and 4 Pole



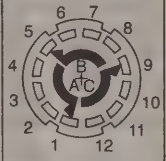
3 Pole Printed



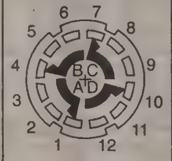
1 Pole
12 Position



2 Pole
6 Position



3 Pole
4 Position



4 Pole
3 Position

IMPERIAL ROTARY SWITCHES 6.35MM ROUND AND D-SHAFT

Features:

- Fully enclosed contacts
- Glass filled nylon
- Nylon design provides maximum shock hazard protection.

Specifications:

- Dielectric strength: 1000VRMS
- Contact resistance: less than 50mΩ max.
- Index angle: 30°
- Contact life: over 10,000 operations
- Rating: .15A/250VAC or DC
- Contact material: silver plated brass

For quantities of 5000 and up, call for quote.

Price Each					
1	10	100	500	1000	2000
4.33	3.61	3.28	2.71	2.49	2.29

Shorting D-Shaft

(Make-Before-Break)

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (mm.)
Solder Terminals				
10WA324	CK1034	1	2 - 12	30.0
10WA325	CK1035	2	2 - 6	30.0
10WA364	CK1454	1	2 - 12	12.7
10WA365	CK1455	2	2 - 6	12.7
10WA366	CK1456	3	2 - 4	12.7
10WA367	CK1457	4	2 - 3	12.7
10WA354	CK2393	1	2 - 12	9.5
10WA355	CK2441	2	2 - 6	9.5
10WA356	CK2818	3	2 - 4	9.5
PC Terminals				
10WA344	CK1054	1	2 - 12	30.0
10WA345	CK1055	2	2 - 6	30.0
10WA346	CK1056	3	2 - 4	30.0
10WA347	CK1057	4	2 - 3	30.0

Shorting Round Shaft

(Make-Before-Break)

RoHS Compliant

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (mm.)
Solder Terminals				
105-13571	CK1589	1	2 - 12	9.5
105-13572	CK1590	2	2 - 6	9.5
105-13573	CK1591	3	2 - 4	9.5
105-13574	CK1592	4	2 - 3	9.5

Non-Shorting Round Shaft

(Break-Before-Make)

RoHS Compliant

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (mm.)
Solder Terminals				
105-14571	CK1458	1	2 - 12	9.5
105-14572	CK1459	2	2 - 6	9.5
105-14573	CK1460	3	2 - 4	9.5
105-14574	CK1461	4	2 - 3	9.5
PC Terminals				
105-2454	CK2368	1	2 - 12	9.5
105-2455	CK2369	2	2 - 6	9.5
105-2456	CK2370	3	2 - 4	9.5
105-2457	CK2371	4	2 - 3	9.5

Non-Shorting D-Shaft

(Break-Before-Make)

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (mm.)
Solder Terminals				
10WA124	CK1024	1	2 - 12	30.0
10WA125	CK1025	2	2 - 6	30.0
10WA126	CK1026	3	2 - 4	30.0
10WA127	CK1027	4	2 - 3	30.0
10WA164	CK1450	1	2 - 12	12.7
10WA165	CK1451	2	2 - 6	12.7
10WA166	CK1452	3	2 - 4	12.7
10WA167	CK1453	4	2 - 3	12.7
10WA154	CK2425	1	2 - 12	9.5
10WA155	CK2394	2	2 - 6	9.5
10WA156	CK2395	3	2 - 4	9.5
10WA157	CK2396	4	2 - 3	9.5
PC Terminals				
10WA144	CK1044	1	2 - 12	30.0
10WA145	CK1045	2	2 - 6	30.0
10WA146	CK1046	3	2 - 4	30.0
10WA147	CK1047	4	2 - 3	30.0
10WA134	CK2376	1	2 - 12	12.7
10WA135	CK2377	2	2 - 6	12.7
10WA136	CK2378	3	2 - 4	12.7
10WA137	CK2379	4	2 - 3	12.7
10WA174	CK2372	1	2 - 12	9.5
10WA175	CK2373	2	2 - 6	9.5
10WA176	CK2374	3	2 - 4	9.5
10WA177	CK2375	4	2 - 3	9.5

Non-Shorting D-Shaft; Continuous Rotation

(Break-Before-Make)

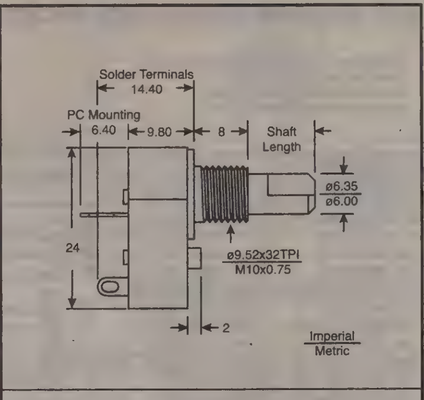
MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions	Shaft Length (mm.)
Solder Terminals				
10WC204	CK2403	1	12	9.5
10WC205	CK2407	2	6	9.5
10WC224	CK2401	1	12	12.7
10WC225	CK2405	2	6	12.7
10WC244	CK1023	1	12	30.0
PC Terminals				
10WC404	CK2404	1	12	9.5
10WC444	CK1043	1	12	30.0

METRIC ROTARY SWITCHES 6.00MM ROUND SHAFT

NEW FROM SUPPLIER

RoHS Compliant

MOUSER STOCK NO.	Lorlin Part No.	Poles	Positions (User Selectable)	Shaft Length (mm.)
Non-Shorting - Solder Terminals - (Break-Before-Make)				
10SM129	CK1029	1	2 - 12	42.0
10SM130	CK1030	2	2 - 6	42.0
10SM131	CK1031	3	2 - 4	42.0
10SM132	CK1032	4	2 - 3	42.0
Shorting - PC Terminals - (Make-Before-Break)				
10SM159	CK1059	1	2 - 12	42.0
10SM160	CK1060	2	2 - 6	42.0
10SM161	CK1061	3	2 - 4	42.0
10SM162	CK1062	4	2 - 3	42.0



DIMENSIONS: mm

ROUND SHAFT ROTARY SWITCHES

Features:

- Double pole single throw basic circuitry
- 45° Index Angle

NEW PRODUCT

Specifications:

- Contact Rating: 4/80A @ 250VAC, 10A/12VDC
- Proof Voltage: 3 K VAC (Initial)
- Insulation Resistance: >999 MΩ @ 500VDC (Initial)

For quantities of 5000 and up, call for quote.

Price Each			
1	10	100	500
6.42	5.35	4.86	4.47

Imperial - 6.35mm

RoHS Compliant

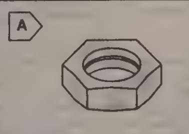
MOUSER STOCK NO.	Lorlin Part No.	Circuit	Terminal Type	Shaft Length (mm)
10RMS1100	RMS1100	Off-On	Solder	47.0
10RMS1159	RMS1159	Off-On	PCB	30.0

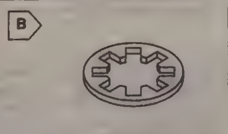
Metric - 6.00mm

RoHS Compliant

MOUSER STOCK NO.	Lorlin Part No.	Circuit	Terminal Type	Shaft Length (mm)
10RMS1035	RMS1035	Off-On	Solder	47.0
10RMS1130	RMS1130	Off-On	PCB	30.0

REPLACEMENT HARDWARE





Metric

Please order in multiples of 100.

MOUSER STOCK NO.	Fig.	Size (mm)	Price Each		
			100	1000	10,000
481-0095M	A	M10x.75	.24	.21	.16
481-0680M	B	10	.056	.05	.038

Imperial

Please order in multiples of 100.

MOUSER STOCK NO.	Fig.	Size (mm)	Price Each		
			100	1000	10,000
481-0095	A	M9.5 x .75	.24	.21	.16
481-0680	B	10	.056	.050	.038

NKK MR SERIES: HALF-INCH PROCESS SEALDED ROTARY SWITCHES

- Power rating: 125VAC for MRA, MRX, & MRY; 28VAC for MRF & MRK
- Shaft actuated switches are supplied with knob and mounting hardware

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Poles and Circuits	Power Rating	Price Each			
					1	25	50	50
Shaft Actuated w/ PC Terminals								
633-MRA112A	MRA112-A-RO	A	SP, 2-12 positions	250mA	11.29	10.35	10.03	9.30
633-MRA206A	MRA206-A-RO	A	DP, 2-6 positions	250mA	12.01	11.01	10.67	9.92
633-MRA403A	MRA403-A-RO	A	4P, 2-3 positions	250mA	13.27	12.16	11.79	11.01
Low Profile Shaft Actuated w/ PC Terminals								
633-MRK112A	MRK112-A-RO	B	SP, 2-12 positions	0.4VA	9.36	8.58	8.32	7.63
633-MRK206A-RO	MRK206-A-RO	B	DP, 2-6 positions	0.4VA	9.61	8.81	8.54	7.85
633-MRK403A-RO	MRK403-A-RO	B	4P, 2-3 positions	0.4VA	10.21	9.36	9.07	8.36
Shaft Actuated w/ PC Turret Terminals (Not Process Sealed)								
633-MRX108A-RO	MRX108-A-RO	C	SP, 2-8 positions	2A	10.15	9.31	9.02	7.57
633-MRX204A-RO	MRX204-A-RO	C	DP, 2-4 positions	2A	10.75	9.85	9.55	8.82
Shaft Actuated w/ Turret Terminals (Not Process Sealed)								
633-MRY106A-RO	MRY106-A-RO	D	SP, 2-6 positions	3A	9.65	8.84	8.58	7.89

NKK HIGH CAPACITY ROTARY SWITCHES

- Number of Positions: 2-11
- Nonshorting Circuits (Shorting Circuits are also available, call for details)
- D-Flat Shaft
- 30° Indexing
- HS, TS, and PS Series

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Pole	Number of Terminals	Termination	Price Each			
						1	25	50	100
Resistive Load: 6A @ 125/250VAC									
633-TS-1N-RO	TS1N-RO	E	1	1 COM, 11 LOAD	Screw terminals	29.00	26.32	24.72	23.13
633-TS-2N-RO	TS2N-RO	E	2	2 COM, 22 LOAD	Screw terminals	39.50	35.85	33.68	31.51
633-TS-3N-RO	TS3N-RO	E	3	3 COM, 33 LOAD	Screw terminals	50.25	45.61	42.84	40.08
633-TS-4N-RO	T4N-RO	E	4	4 COM, 44 LOAD	Screw terminals	80.90	73.43	68.98	64.53
633-TS-5N-RO	TS5N-RO	E	5	5 COM, 55 LOAD	Screw terminals	104.75	95.06	89.30	83.53
Resistive Load: 12A @ 125VAC; 6A @ 250VAC									
633-HS16-1N-RO	HS16-1N-RO	F	1	1 COM, 11 LOAD	Solder lug	17.00	15.43	14.49	13.56
633-HS16-2N	HS16-2N-RO	F	2	2 COM, 22 LOAD	Solder lug	24.40	22.14	20.80	19.46
633-HS16-3N-RO	HS16-3N-RO	F	3	3 COM, 33 LOAD	Solder lug	32.30	29.32	27.54	25.77
633-HS16-4N-RO	HS16-4N-RO	F	4	4 COM, 44 LOAD	Solder lug	56.60	51.36	48.25	45.14
Resistive Load: 30A @ 125/250VAC									
633-PS-1N-RO	PS1N-RO	G	1	1 COM, 11 LOAD	Screw terminals	32.30	29.32	27.54	25.77
633-PS-3N-RO	PS3N-RO	G	3	3 COM, 33 LOAD	Screw terminals	73.00	66.25	62.23	58.22
633-PS-4N-RO	PS4N-RO	G	4	4 COM, 44 LOAD	Screw terminals	94.00	85.31	80.14	74.97

NKK KNOBS

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each			
				1	25	50	100
633-AT431	AT431	H	Large Knob, Black	1.96	1.80	1.73	1.60
633-AT432	AT432	I	Small Knob, Black	1.96	1.80	1.73	1.60

NKK FR SERIES: 10MM ULTRA-THIN DIP ROTARY SWITCHES

Specifications:
- Power Rating: 100mA @ 5VDC switching; 100mA @50VDC non-switching
- Contact resistance: 100mΩ max.
- Insulation resistance: 1000MΩ min. @ 250VDC
- Dielectric strength: 250VAC min. for 1 minute

Features:
- Environmentally friendly
- Slim: .150" (3.8mm) body
- Highly visible legends
- Gold plated contacts
- Actuator knob available for screwdriver adjusted

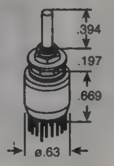
RoHS Compliant

For quantities of 500 and up, call for quote.

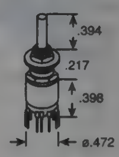
MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Terminal	Price Each			
					1	25	50	100
Shaft Actuated								
633-FR01KC10P	FR01KC10P	J	BCD, Complement	Straight PCB	3.00	2.70	2.40	2.10
633-FR01KC16P	FR01KC16P	J	Hexadecimal, Complement	Straight PCB	3.00	2.70	2.40	2.10
633-FR01KR10P	FR01KR10P	J	BCD, Real	Straight PCB	3.00	2.70	2.40	2.10
633-FR01KR16P	FR01KR16P	J	Hexadecimal, Real	Straight PCB	3.00	2.70	2.40	2.10
633-FR01KR10H	FR01KR10H-S	K	BCD, Real	R/A PCB	3.25	2.93	2.60	2.28
633-FR01KR16H	FR01KR16H	K	Hexadecimal, Real	R/A PCB	3.25	2.93	2.60	2.28
Screwdriver Actuated								
633-FR01FC10P	FR01FC10P	L	BCD, Complement	Straight PCB	3.00	2.70	2.40	2.10
633-FR01FC16P	FR01FC16P	L	Hexadecimal, Complement	Straight PCB	3.00	2.70	2.40	2.10
633-FR01FR10P	FR01FR10P	L	BCD, Real	Straight PCB	3.00	2.70	2.40	2.10
633-FR01FR16P	FR01FR16P	L	Hexadecimal, Real	Straight PCB	3.00	2.70	2.40	2.10
633-FR01FC16H	FR01FC16H	M	Hexadecimal, Complement	R/A PCB	3.25	2.93	2.60	2.28
633-FR01FR10H	FR01FR10H	M	BCD, Real	R/A PCB	3.25	2.93	2.60	2.28
Snap-On Knob for Screwdriver Actuated								
633-AT4180	AT4180	N	Snap-On Knob	—	.80	.68	.64	.60

DIMENSIONS: in.

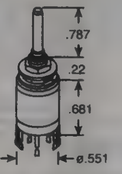
A



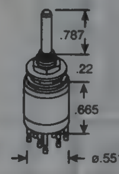
B



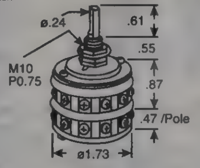
C



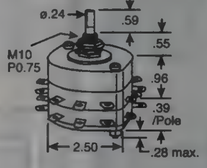
D



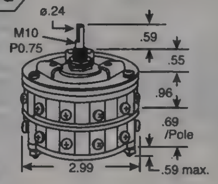
E



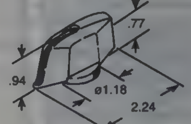
F



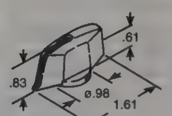
G



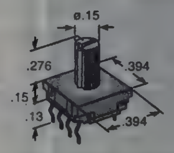
H



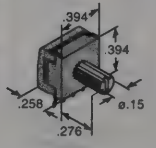
I



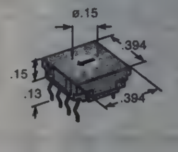
J



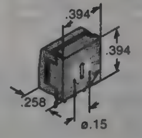
K



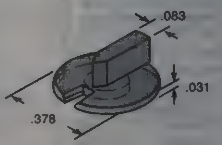
L



M



N



Coded Rotary DIP Switches

APEM ROTARY DIP SWITCHES

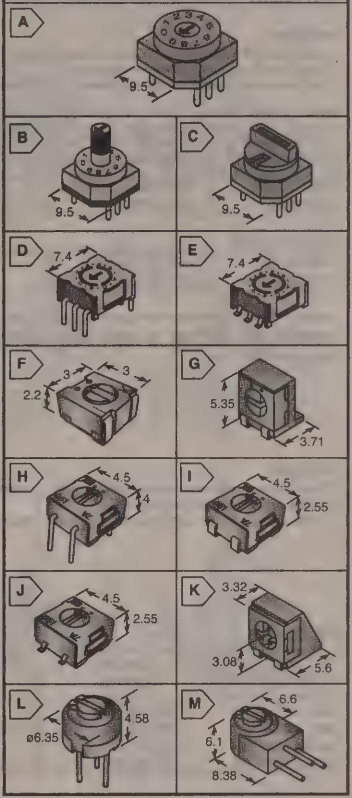
Specifications:
- Operating voltage: 24VDC max
- Contact rating, static: 400mA max

Features:
- 3 + 3 terminal layout
- Completely sealed for process compatibility
- Clockwise or counterclockwise settable
- Solder coated terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	No. of Positions	Description	Price Each 1	25	50	100
Thru-Hole								
642-PT65101	PT65101	A	10	True Binary coded decimal	2.68	2.53	2.38	2.24
642-PT65106	PT65106	A	16	Complimentary binary coded decimal	3.64	3.43	3.23	3.03
642-PT65301	PT65301	B	10	True Binary coded decimal	4.28	4.05	3.81	3.57
642-PT65303	PT65303	B	16	Complimentary binary coded hexadecimal	4.61	4.35	4.10	3.84
642-PT65501	PT65501	C	10	True Binary coded decimal	5.28	5.02	4.75	4.49
642-PT65503	PT65503	C	16	Complimentary binary coded hexadecimal	4.72	4.45	4.19	3.93
642-P36101	P36101	D	10	True Binary coded decimal	3.49	3.30	3.10	2.91
642-P36103	P36103	D	16	Complimentary binary coded hexadecimal	3.49	3.30	3.10	2.91
Surface Mount								
642-P36S101	P36S101	E	10	True Binary coded decimal	4.14	3.93	3.73	3.55
642-P36S103	P36S103	E	16	Complimentary binary coded decimal	4.14	3.93	3.73	3.52

DIMENSIONS: mm



BOURNS SEALED ROTARY SWITCHES

Specifications:
- Contact Form: SPST
- Max. Current Rating: 100mA
- Max. Voltage Rating: 16V
- Contact Timing: Non-Shorting
- Rotational Life: 2000 cycles

Features:
- Tape and Reel packaging on surface mount terminal types.

Applications:
- Security Systems
- Portable Electronics
- Instrumentation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bourns Part No.	Fig.	Size (mm)	Terminal Type	Package Quantity	Price Each 1	25	50	100
652-7813J-1-023E	7813J-1-023E	F	3	SMD J-Hook	1000	2.05	1.65	1.49	1.32
652-7813S-1-023E	7813S-1-023E	G	3	SMD Right angle	200	2.19	1.83	1.64	1.46
652-7814H-1-023	7814H-1-023	H	4	Through-hole	100	2.19	1.83	1.64	1.46
652-7814J-1-023E	7814J-1-023E	I	4	SMD J-Hook	500	2.05	1.65	1.49	1.32
652-7814G-1-023E	7814G-1-023E	J	4	SMD Gull wing	500	2.05	1.65	1.49	1.32
652-7814Z-1-023E	7814Z-1-023E	K	4	SMD Right angle	200	2.19	1.83	1.64	1.46
652-7829H-1-023	7829H-1-023	L	ø6	Through-hole	50	1.68	1.40	1.12	.90
652-7829S-1-023	7829S-1-023	M	ø6	Righ angle through-hole	50	1.89	1.58	1.26	1.00

C&K CD SERIES: 8MM ULTRA-MINIATURE CODED ROTARY

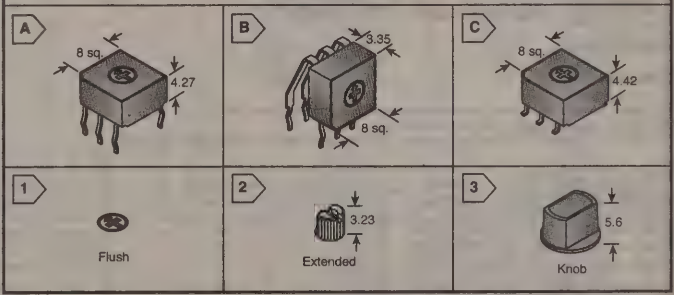
Specifications:
- Process sealed to withstand soldering and cleaning
- Contact rating: 0.4 VA max. @ 20 VAC or VDC max.
- Mechanical and Electrical life: 20,000 actuations
- Dielectric Strength: 250 V RMS min.

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Pos.	Code Configuration	Actuator	Price Each 1	25	50	100
PC Thru-Hole									
611—	CD10RM0CB	A	10	Binary Coded Decimal, TRUE	1	5.93	5.61	5.13	4.97
611—	CD10RL1CB	A	10	Binary Coded Decimal, TRUE	2	5.43	5.02	4.70	3.14
611—	CD16RL1CB	A	16	Hexadecimal, TRUE	2	7.17	6.78	6.20	6.01
611—	CD16RK1CB	A	16	Hexadecimal, TRUE	3	6.86	6.34	5.94	3.96
Right Angle, PC Thru - Hole									
611—	CD10RM0AB	B	10	Binary Coded Decimal, TRUE	1	4.58	4.37	4.15	3.94
611—	CD10RL1AB	B	10	Binary Coded Decimal, TRUE	2	7.52	7.12	6.51	6.30
611—	CD16RM0AB	B	16	Hexadecimal, TRUE	1	7.40	7.00	6.40	6.20
611—	CD16RL1AB	B	16	Hexadecimal, TRUE	2	8.05	7.62	6.97	6.75
611—	CD16RK1AB	B	16	Hexadecimal, TRUE	3	8.92	8.44	7.72	7.47
Surface Mount									
611—	CD10RM0SB	C	10	Binary Coded Decimal, TRUE	1	2.73	2.52	2.36	1.58
611—	CD16RM0SB	C	16	Hexadecimal, TRUE	1	7.03	6.65	6.08	5.89
611—	CD16RK1SB	C	16	Hexadecimal, TRUE	3	8.58	8.12	7.42	7.19

DIMENSIONS: mm



True

Type		Position	Code C	1	2	4	8
Hexadecimal	BCD	0	•				
		1	•	•			
		2	•		•		
		3	•	•	•		
		4	•			•	
		5	•	•		•	
		6	•		•	•	
		7	•	•	•	•	
		8	•				•
		9	•	•			•
		A	•		•		•
		B	•	•	•		•
		C	•			•	•
		D	•	•		•	•
		E	•		•	•	•
		F	•	•	•	•	•

Compliment

Type		Position	Code C	1	2	4	8
Hexadecimal	BCD	0	•	•	•	•	•
		1	•		•	•	•
		2	•	•		•	•
		3	•			•	•
		4	•	•	•		•
		5	•		•		•
		6	•	•			•
		7	•				•
		8	•	•	•	•	
		9	•		•	•	
		A	•	•		•	
		B	•			•	
		C	•	•	•		
		D	•		•		
		E	•	•			
		F	•				

C&K CRD SERIES: 10MM CODED ROTARY SWITCHES

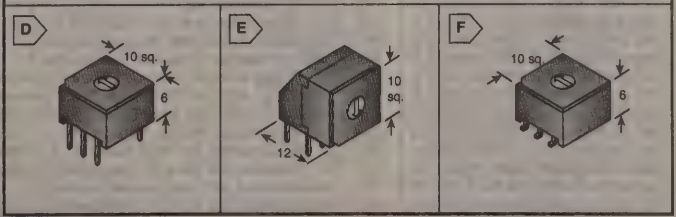
Specifications:
- Process sealed to withstand soldering and cleaning
- Flush, Screwdriver slot actuator
- Contact rating: 0.4 VA max. @ 20 VAC or VDC max.
- Mechanical Life: 20,000 actuations @ 5 VDC 10 mA
- Electrical Life: 30,000 actuations
- Dielectric Strength: 300 VAC for 1 minute

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Pos.	Code Configuration	Price Each 1	25	50	100
PC Thru-Hole								
611—	CRD10RM0CB	D	10	Binary Coded Decimal, True	3.67	3.50	3.33	3.16
611—	CRD10CM0CB	D	10	BCD, Compliment	4.26	3.94	3.69	2.46
611—	CRD16RM0CB	D	16	Hexadecimal, True	4.68	4.32	4.05	2.70
611—	CRD16CM0CB	D	16	Hexadecimal, Compliment	4.68	4.32	4.05	2.70
Right Angle, PC Thru-Hole								
611—	CRD10RM0AB	E	10	Binary Coded Decimal, True	4.34	4.14	3.94	3.73
611—	CRD10CM0AB	E	10	BCD, Compliment	5.32	5.03	4.60	4.46
611—	CRD16RM0AB	E	16	Hexadecimal, True	5.87	5.55	5.08	4.92
611—	CRD16CM0AB	E	16	Hexadecimal, Compliment	5.54	5.11	4.79	3.20
Surface Mount								
611—	CRD10RM0SB	F	10	Binary Coded Decimal, True	5.06	4.79	4.38	4.24
611—	CRD10CM0SB	F	10	BCD, Compliment	4.14	3.95	3.75	3.56
611—	CRD16RM0SB	F	16	Hexadecimal, True	5.59	5.29	4.84	4.69
611—	CRD16CM0SB	F	16	Hexadecimal, Compliment	5.57	5.27	4.82	4.67

DIMENSIONS: mm



LORLIN BINARY CODED ROTARY SWITCHES

Features:
- Binary coded Hexadecimal and Complimentary Versions
- Molded 27.5mm diameter single wafer switch
- Adjustable stop to restrict number of positions or continuous rotation

Specifications:
- Contact Rating: 150mA/50VAC/DC
- Proof Voltage: 250VAC Initial
- Insulation Resistance: >999MΩ @ 500VDC Initial

RoHS Compliant

With Stop

For quantities of 100 and up, call for quote.

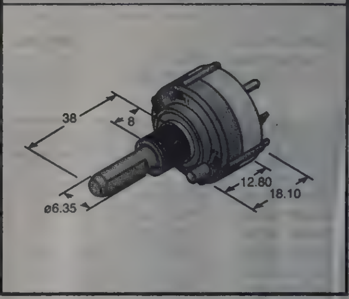
MOUSER STOCK NO.	Lorlin Part No.	No. of Positions	Code Configuration	Price Each			
				1	10	25	50
10BCK1008	BCK1008	2-15	Binary coded complimentary hexadecimal	7.34	6.16	5.57	5.06
10BCK1019	BCK1019	2-15	Binary coded hexadecimal	7.34	6.12	5.57	5.06

Without Stop

For quantities of 100 and up, call for quote.

10BCK1007	BCK1007	16	Binary coded complimentary hexadecimal	7.34	6.12	5.57	5.06
10BCK1020	BCK1020	16	Binary coded hexadecimal	7.34	6.12	5.57	5.06

DIMENSIONS: mm



OMRON HIGHLY RELIABLE SUBMINIATURE DIP SWITCHES

Features:
- Precision rotary cam and contactor drive provide high reliability
- Subminiature: 9(W)x6.6(L)x4.5(H) mm
- Molded base and rotor sealed by o-ring; eliminates the need for tape sealing

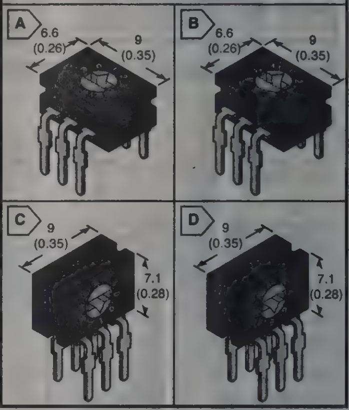
RoHS Compliant

A6C Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Output Code Type	Number of Positions	Actuation	Price Each			
						1	25	50	100
653-A6C-10RN	A6C-10RN	A	BCD	10	Top	3.13	3.04	2.95	2.78
653-A6C-16RN	A6C-16RN	B	BCD Hexidecimal	16	Top	3.31	3.21	3.12	2.93
653-A6CV-10R	A6CV-10R	C	BCD	10	Side	4.31	4.18	4.06	3.82
653-A6CV-16R	A6CV-16R	D	BCD Hexidecimal	16	Side	4.55	4.42	4.29	4.04

DIMENSIONS: mm



OMRON ROTARY DIP SWITCHES

A6RS Series

Features:
- Surface Mount
- Temperature-resistant resin allows use in peak reflow temperatures of 260° C.
- Series includes flat and extended-shaft models.
- Two different types of terminal arrangement are available to allow flexibility in the circuit design.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Number of Positions	Terminal Arrangement	Price Each			
					1	25	50	100
653-A6RS-101RF	A6RS-101RF	A	10	4 x 1	2.68	2.61	2.55	2.48
653-A6RS-102RF	A6RS-102RF	B	10	3 x 3	2.68	2.61	2.55	2.48
653-A6RS-161RF	A6RS-161RF	A	16	4 x 1	2.86	2.79	2.72	2.65
653-A6RS-162RF	A6RS-162RF	B	16	3 x 3	2.86	2.79	2.72	2.65
653-A6RS-101RS	A6RS-101RS	C	10	4 x 1	2.95	2.88	2.80	2.73
653-A6RS-102RS	A6RS-102RS	D	10	3 x 3	2.95	2.88	2.80	2.73
653-A6RS-161RS	A6RS-161RS	C	16	4 x 1	3.13	3.05	2.98	2.90
653-A6RS-162RS	A6RS-162RS	D	16	3 x 3	3.13	3.05	2.98	2.90

A6R/A6RV Series

Specifications:
- Rating: 25mA @ 24 VDC
- Contact resistance: 200mW
- Dielectric strength: 250VAC for 1 minute

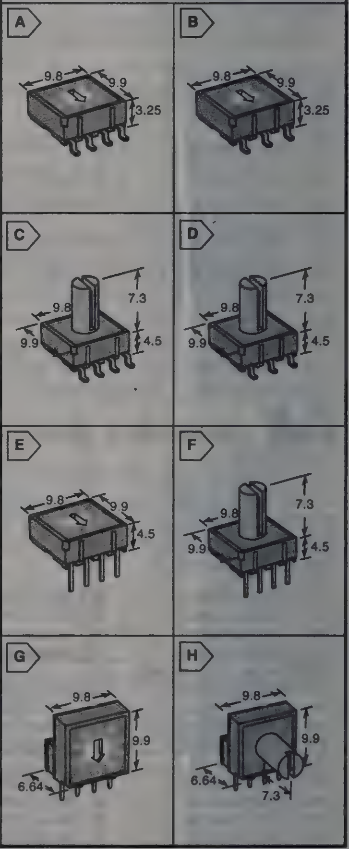
Features:
- Low-cost
- O-ring sealed construction

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Positions	Description	Price Each			
					1	25	50	100
653-A6R-101RF	A6R-101RF	E	10	Top actuated, flat, true BCD, 4 x 1 terminal arrangement	3.35	3.08	2.82	2.68
653-A6R-102RF	A6R-102RF	E	10	Top actuated, flat, true BCD, 3 x 3 terminal arrangement	3.35	3.08	2.82	2.68
653-A6R-161RF	A6R-161RF	E	16	Top actuated, flat, true hexadecimal, 4 x 1 terminal arrangement	3.58	3.29	3.01	2.86
653-A6R-162RF	A6R-162RF	E	16	Top actuated, flat, true hexadecimal, 3 x 3 terminal arrangement	3.58	3.29	3.01	2.86
653-A6R-101RS	A6R-101RS	F	10	Top actuated, ext. shaft, true BCD, 4 x 1 terminal arrangement	3.69	3.39	3.10	2.95
653-A6R-102RS	A6R-102RS	F	10	Top actuated, ext. shaft, true BCD, 3 x 3 terminal arrangement	3.69	3.39	3.10	2.95
653-A6R-161RS	A6R-161RS	F	16	Top actuated, ext. shaft, true hexadecimal, 4 x 1 terminal arrangement	3.92	3.60	3.29	3.13
653-A6R-162RS	A6R-162RS	F	16	Top actuated, ext. shaft, true hexadecimal, 3 x 3 terminal arrangement	3.92	3.60	3.29	3.13
653-A6RV-101RF	A6RV-101RF	G	10	Side actuated, flat, true BCD, 4 x 1 terminal arrangement	3.50	3.22	2.94	2.80
653-A6RV-102RF	A6RV-102RF	G	10	Side actuated, flat, true BCD, 3 x 3 terminal arrangement	3.80	3.50	3.20	3.04
653-A6RV-161RF	A6RV-161RF	G	16	Side actuated, flat, true hexadecimal, 4 x 1 terminal arrangement	4.03	3.70	3.38	3.22
653-A6RV-162RF	A6RV-162RF	G	16	Side actuated, flat, true hexadecimal, 3 x 3 terminal arrangement	4.03	3.70	3.38	3.22
653-A6RV-101RS	A6RV-101RS	H	10	Side actuated, ext. shaft, true BCD, 4 x 1 terminal arrangement	4.14	3.81	3.48	3.31
653-A6RV-102RS	A6RV-102RS	H	10	Side actuated, ext. shaft, true BCD, 3 x 3 terminal arrangement	4.14	3.81	3.48	3.31
653-A6RV-161RS	A6RV-161RS	H	16	Side actuated, ext. shaft, true hexadecimal, 4 x 1 terminal arrangement	4.36	4.01	3.66	3.49
653-A6RV-162RS	A6RV-162RS	H	16	Side actuated, ext. shaft, true hexadecimal, 3 x 3 terminal arrangement	4.14	3.81	3.48	3.31

DIMENSIONS: mm



MOUNTAIN SWITCH Rotary Dip Switches

ROTARY DIP SWITCHES

Specifications:

- Rating:
  Switching: 25mA/24VDC
  Non-Switching: 100mA/50VDC
- Insulation Resistance: 100 MΩ min.
- Operating Force: 200gf

RoHS Compliant

NEW PRODUCT

Thru-hole Terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Terminal Arrangement	Price Each			
				1	25	50	100
106-H2A10-EV	A	10	3x2	2.72	2.26	2.06	1.87
106-H2A16-EV	A	16	3x2	2.96	2.47	2.24	2.04
106-H2H10-EV	B	10	3x2	2.96	2.47	2.24	2.04
106-H2H16-EV	B	16	3x2	2.96	2.47	2.24	2.04
106-H3A10-EV	A	10	3x3	2.72	2.26	2.06	1.87
106-H3A16-EV	A	16	3x3	2.96	2.47	2.24	2.04
106-H3H10-EV	B	10	3x3	2.96	2.47	2.24	2.04
106-H3H16-EV	B	16	3x3	2.96	2.47	2.24	2.04
106-H4A10-EV	A	10	4x1	2.72	2.26	2.06	1.87
106-H4A16-EV	A	16	4x1	2.96	2.47	2.24	2.04
106-H4H10-EV	B	10	4x1	2.96	2.47	2.24	2.04
106-H4H16-EV	B	16	4x1	2.96	2.47	2.24	2.04

Right Angle Terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Terminal Arrangement	Price Each			
				1	25	50	100
106-V2A10-EV	C	10	3x2	2.96	2.47	2.24	2.04
106-V2A16-EV	C	16	3x2	3.18	2.65	2.41	2.19
106-V2H10-EV	D	10	3x2	3.18	2.65	2.41	2.19
106-V2H16-EV	D	16	3x2	3.30	2.75	2.50	2.27
106-V3A10-EV	C	10	3x3	2.96	2.47	2.24	2.04
106-V3A16-EV	C	16	3x3	3.18	2.65	2.41	2.19
106-V3H10-EV	D	10	3x3	3.18	2.65	2.41	2.19
106-V3H16-EV	D	16	3x3	3.30	2.75	2.50	2.27
106-V4A10-EV	C	10	4x1	2.96	2.47	2.24	2.04
106-V4A16-EV	C	16	4x1	3.18	2.65	2.41	2.19
106-V4H10-EV	D	10	4x1	3.18	2.65	2.41	2.19
106-V4H16-EV	D	16	4x1	3.30	2.75	2.50	2.27

SMD Terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Terminal Arrangement	Price Each			
				1	25	50	100
106-M2A10-EV	E	10	3x2	3.30	2.75	2.50	2.27
106-M2A16-EV	E	16	3x2	3.41	2.84	2.58	2.35
106-M2H10-EV	F	10	3x2	3.41	2.84	2.58	2.35
106-M2H16-EV	F	16	3x2	3.00	2.87	2.64	2.47
106-M3A10-EV	E	10	3x3	3.30	2.75	2.50	2.27
106-M3A16-EV	E	16	3x3	3.41	2.84	2.58	2.35
106-M3H10-EV	F	10	3x3	3.41	2.84	2.58	2.35
106-M3H16-EV	F	16	3x3	3.00	2.87	2.64	2.47
106-M4A10-EV	E	10	4x1	3.30	2.75	2.50	2.27
106-M4A16-EV	E	16	4x1	3.41	2.84	2.58	2.35
106-M4H10-EV	F	10	4x1	3.41	2.84	2.58	2.35
106-M4H16-EV	F	16	4x1	3.00	2.87	2.64	2.47
106-M7310A-EV	G	10	3x3	3.85	3.12	2.84	2.58
106-M7316A-EV	G	16	3x3	3.94	3.29	2.99	2.72
106-MH7310A-EV	H	10	3x3	3.94	3.29	2.99	2.72
106-MH7316A-EV	H	16	3x3	4.12	3.43	3.12	2.84

SMD with Ground Terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Terminal Arrangement	Price Each			
				1	25	50	100
106-M7310AG-EV	G	10	3x3	3.85	3.12	2.84	2.58
106-M7316AG-EV	G	16	3x3	3.94	3.29	2.99	2.72
106-MH7310AG-EV	H	10	3x3	3.94	3.29	2.99	2.72
106-MH7316AG-EV	H	16	3x3	4.12	3.43	3.12	2.84

MINIATURE BINARY CODED ROTARY SWITCHES

Specifications:

- Rating: Switching: 50mA/24VDC;
  Non-switching 100mA/50VDC
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 1000MΩ @ 100VDC
- Dielectric Strength: 250VAC for 1 minute

Features:

- Miniature size
- O ring flex seal
- Fully sealed construction
- Gold plated contacts

PC Mount, Top Adjust

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Code Configuration	Price Each		
				1	10	50
106-RS40012	I	10	TRUE binary coded decimal	2.15	1.99	1.89
106-RS40014	J	16	TRUE binary coded hexadecimal	2.15	1.99	1.89

Right Angle PC Mount

For quantities of 100 and up, call for quote.

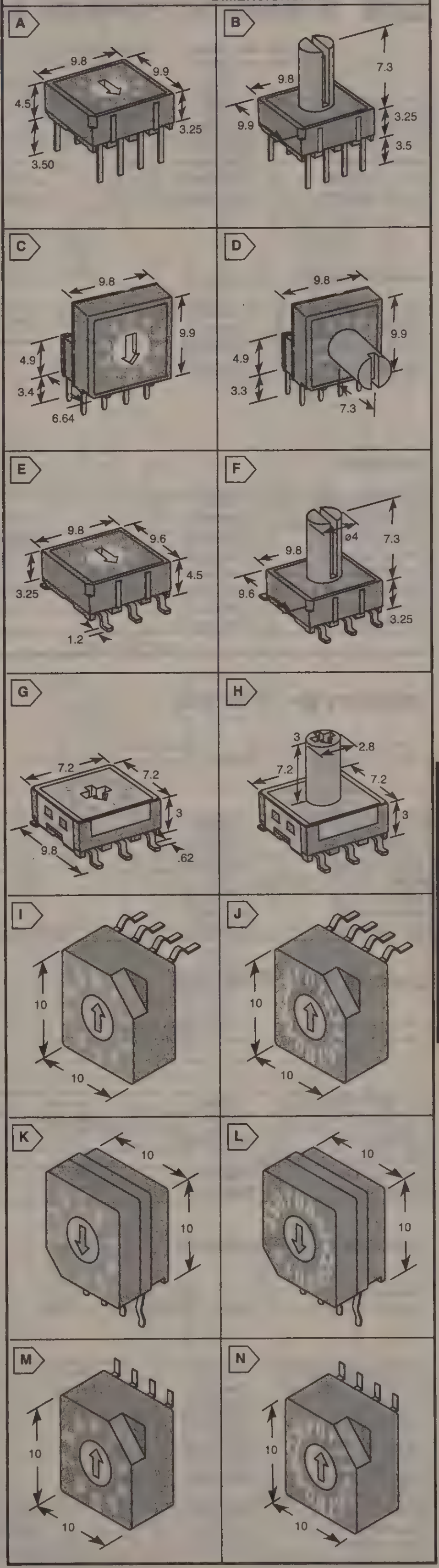
MOUSER STOCK NO.	Fig.	Number of Positions	Code Configuration	Price Each		
				1	10	50
106-RI40012	K	10	TRUE binary coded decimal	2.25	2.09	1.99
106-RI40014	L	16	TRUE binary coded hexadecimal	2.25	2.09	1.99

Surface Mount, Top Adjust

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Code Configuration	Price Each		
				1	10	50
106-RM40012	M	10	TRUE binary coded decimal	2.15	1.99	1.89
106-RM40014	N	16	TRUE binary coded hexadecimal	2.15	1.99	1.89

DIMENSIONS: mm



Pushwheel / Thumbwheel Switches

C&K 3U SERIES TINY PUSHWHEEL SWITCHES

- Matte black housing
- Gloss black wheel
- Extended actuator
- White vertical characters
- Black pushbuttons
- No stops

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Fig.	Description	Number of Positions	Price Each			
					1	25	50	100
611-3U0210000	3U0210000	A	BCD 1-2-4-8 without dust lens	0-9	7.58	7.24	6.89	6.55
611-3U0210002	3U0210002	A	BCD 1-2-4-8 with dust lens	0-9	7.93	7.57	7.21	6.85
611-113B02000	113B02000	---	Left end cap 3U series	---	.32	.31	.29	.28
611-114B02000	114B02000	---	Right end cap 3U series	---	.32	.31	.29	.28

RoHS Compliant

Assembly Screws (2 required)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Front Mount	Rear Mount	Price Each			
				1	25	50	100
611-412701000	412701000	3-4	3	1.73	1.64	1.50	1.45
611-412702000	412702000	5-7	4-6	1.75	1.65	1.51	1.46

RoHS Compliant

Accessories

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	C&K Part No.	Description	Price Each			
			1	25	50	100
611-413402000	413402000	End plate, front mount (2 required)	1.19	1.13	1.03	1.00
611-413502000	413502000	Spacer, front mount	1.47	1.39	1.27	1.23
611-400802000	400802000	Spacer, rear mount	1.11	1.05	.96	.93
611-402900000	402900000	Stop pin, front and rear mount	.21	.20	.19	.18
611-403500000	403500000	Hex nut (2 required)	.20	.19	.19	.18
611-406100652	406100652	Hex nut driver	6.40	6.06	5.54	5.36

CHERRY PA SERIES

- Front mounting
- Module dimensions: 7.62 x 15 x 18 mm
- Black housing
- Mounting depth: 24 or 34.5mm

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Number of Positions	Read-Out	Output Code	Finish	Price Each			
							1	50	100	250
540-PACA-3000	PACA-3000	B	10	0-9	BCD	Matte	16.00	12.80	10.56	9.60
Accessories for PA Series		Description								
540-0609-0799	0609-0799	Right End Cap					.55	.48	.44	.40
540-0609-0801	0609-0801	Left End Cap					.55	.48	.44	.40
540-C2K0-P107	C2K0-P107	Connector with Solder pins for PA series					3.91	3.12	2.58	2.34

CHERRY PB SERIES

- Front mounting
- Module dimensions: 6 x 18 x 15.6 mm
- Black housing
- Mounting depth: 19.5 mm

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Number of Positions	Read-Out	Output Code	Finish	Price Each			
							1	50	100	250
540-PBC1-E015	PBC1-E015	C	10	0-9	BCD w/PC Pins	Matte	9.15	7.32	6.04	5.49
Accessories for PB Series		Description								
540-0609-1346	0609-1346	Left End Cap					.55	.48	.44	.40
540-0609-1347	0609-1347	Right End Cap					.55	.48	.44	.40

CHERRY PE SERIES

- Front mounting
- Module dimensions: 7.62 x 24 x 26 mm
- Black housing
- Mounting depth: 32 or 42 mm

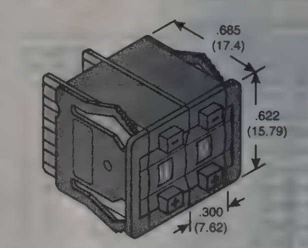
RoHS Compliant

For quantities of 500 and up, call for quote.

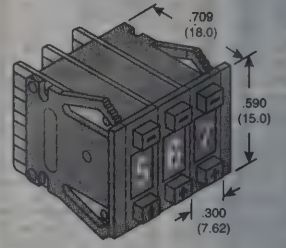
MOUSER STOCK NO.	Cherry Part No.	Fig.	Number of Positions	Read-Out	Output Code	Finish	Price Each			
							1	50	100	250
540-PEAA-3000	PEAA-3000	D	10	0-9	Decimal	Matte	18.49	14.79	12.20	11.09
540-PECA-3000	PECA-3000	D	10	0-9	BCD	Matte	18.03	14.42	11.90	10.82
540-PECA-4000	PECA-4000	D	10	0-9	BCD*	Matte	22.85	18.28	15.08	13.71
540-PEGA-3000	PEGA-3000	D	16	0-15	Hex	Matte	24.85	19.88	16.40	14.91
540-PEHA-3000	PEHA-3000	D	16	0-9,A-F	Hex	Matte	24.53	19.62	16.19	14.72
Accessories for PE Series		Description								
540-0609-0754	0609-0754	Left End Cap for PE series					.55	.48	.44	.40
540-0609-0756	0609-0756	Right End Cap for PE series					.55	.48	.44	.40
540-C2R0-P111	C2R0-P111	Connector with Solder pins for PE series					4.17	3.34	2.75	2.50

* With extended board for diodes

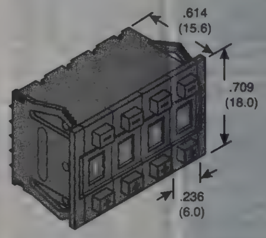
A



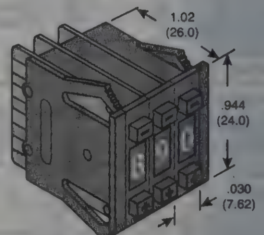
B



C

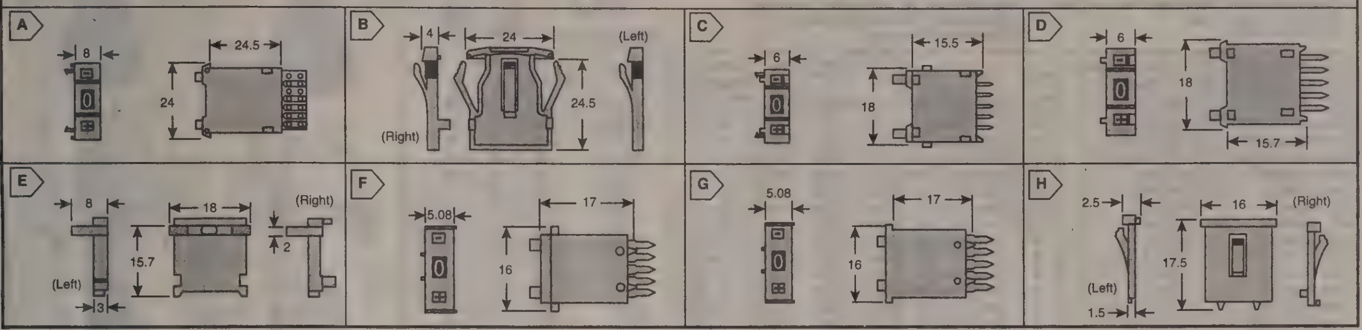


D



Thumbwheel Switches and Accessories

DIMENSIONS: mm



OMRON A7B, A7CN, A7D SERIES: THUMBWHEEL SWITCHES

Specifications:

- Switching capacity: (A7BS): 25mA/24VDC;
  (A7CN): 1mA-.1A/50VAC/28VDC;
  (A7D): 1mA-.1A/5~30VDC
- Contact resistance: 200mΩ max. (initial value)
- Insulation resistance: (A7BS): 100MΩ min.;
  (A7CN): 10MΩ min. between non-connected terminals (initial value)
- 1,000MΩ min. between each terminal and non-current-carrying part.
- Insulation resistance: (A7D): 10MΩ min. between non-connected terminals (initial value)
- 100MΩ min. between each terminal and non-current-carrying part.
- Operating force: 30gf (A7BS); 450gf (A7CN); 350gf (A7D)
- Dielectric strength: 500VAC (A7BS); 250VAC (A7CN & A7D)
- Mechanical life: 1,000 operations min. (A7BS); 30,000 op. (A7C & A7D)
- Electrical life: 1,000 operations min.; 20,000 operations (A7CN & A7D)

Truth Table

Pos.	Code			
	1	2	4	8
0				
1	•			
2		•		
3	•	•		
4			•	
5	•		•	
6		•	•	
7	•	•	•	
8				•
9	•			•

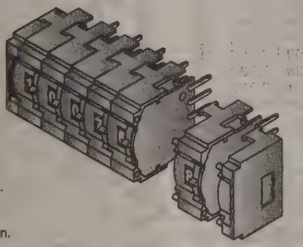
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	25	50	100
653-A7BS-206-1	A	Single section, binary	8.19	7.61	6.63	6.05
653-A7BS-207-1	A	Single section, binary w/ diode provision	8.82	8.19	7.14	6.51
653-A7B-M-1	B	End cap for A7BS, set of 2	1.33	1.23	1.07	.98
653-A7CN-106-1	C	Single section, binary, back mounting PCB	6.55	6.08	5.30	4.84
653-A7CN-206-1	D	Single section, binary, front mounting PCB	6.55	6.08	5.30	4.84
653-A7CN-1M-1	E	End cap for A7CN, set of 2	.80	.74	.65	.59
653-A7D-106-1	F	Single section, binary, back mounting PCB	5.06	4.70	4.10	3.73
653-A7D-206-1	G	Single section, binary, front mounting PCB	5.06	4.70	4.10	3.73
653-A7D-2M-1	H	End cap for A7D, set of 2	.74	.68	.60	.54

Mountain Switch MINIATURE THUMBWHEEL SWITCHES

Features:

- PC mounting
- True output
- Black color



Electrical Specifications:

- Rating: switching load capacity 50mA/28VDC (resistive load)
- Continuous current: 100mA max.
- Contact resistance (initial): 250mΩ max.
- Insulation resistance: 100MΩ min.
- Dielectric strength: 250VAC

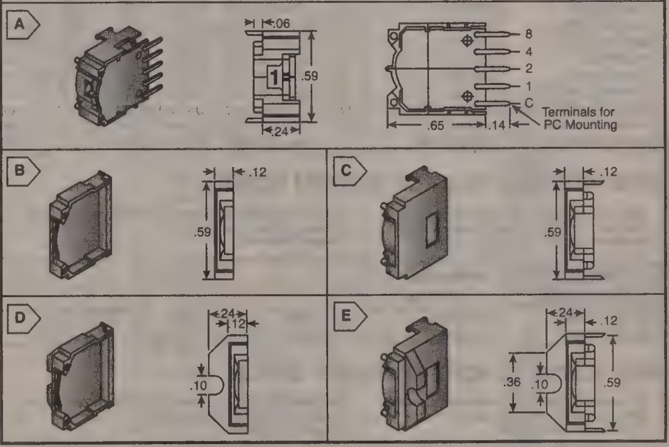
Truth Table

Dial	Terminal Connected to Common			
	8	4	2	1
0				
1				•
2			•	
3			•	•
4		•		
5		•		•
6		•	•	
7		•	•	•
8	•			
9	•			•

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
106-9801	A	Single section, decimal switch	5.79	4.99	4.57
106-9802	B	Flush mount end plate, left	1.15	.96	.88
106-9803	C	Flush mount end plate, right	1.15	.96	.88
106-9804	D	Rear mount end plate, left	1.15	.96	.88
106-9805	E	Rear mount end plate, right	1.15	.96	.88

DIMENSIONS: in.



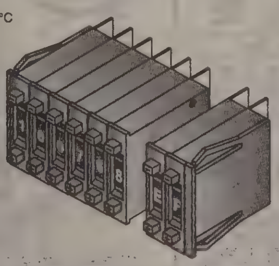
Mountain Switch HEXADECIMAL PUSHWHEEL SWITCHES AND ACCESSORIES

Mechanical Specifications:

- Mechanical life: 200,000 operations
- Operating temperature: -20°C to +65°C

Features:

- Pushwheel actuation
- Front mounting
- Hexadecimal switch
- Snap fit connects and mounts easily without rods or nuts
- Easy to read numbers
- Termination: PCB w/solder holes



Electrical Specifications:

- Rating: 100mA/50VAC/28VDC max.
- Carrying current: 1A max.
- Life: 100,000 operations
- Contact resistance: 200mΩ max.
- Insulation resistance: between common and any output: 10MΩ min.
  between output and non-carrying part: 1000MΩ min.
- Dielectric strength (for 1 minute): between common and any output: 800VAC
  between output and non-carrying part: 1000VAC

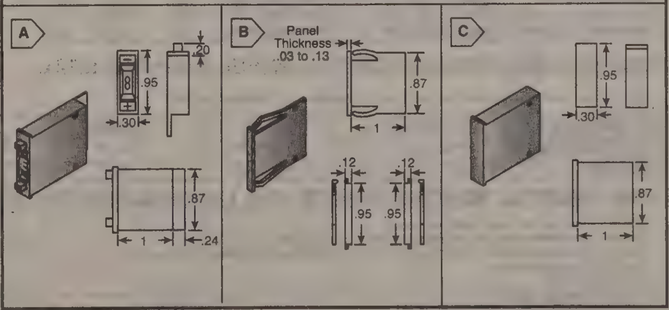
Material:

- Housing, blanks, endcaps, wheels, and pushwheel: black thermoplastic
- Contacts: hard gold on phosphor bronze
- Printed circuit boards: hard gold over nickel plate on .031" epoxy laminate

Truth Table

Wheel	C Connected to Terminals				
	1	2	4	8	C
0					•
1	•				•
2		•			•
3	•	•			•
4			•		•
5	•		•		•
6		•	•		•
7	•	•	•		•
8				•	•
9	•			•	•
A		•		•	•
B	•	•		•	•
C			•	•	•
D	•		•	•	•
E		•	•	•	•
F	•	•	•	•	•

DIMENSIONS: in.



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	50
106-9904	A	Single section, hexadecimal switch	6.77	6.15	5.59
106-9905	A	Single section, BCD 10 position	5.66	5.11	4.76
106-9901	B	Standard width end cap, right	.69	.55	.48
106-9902	B	Standard width end cap, left	.69	.55	.48
106-9903	C	Standard width blank	1.43	1.19	1.09

APM HEXSEAL PUSHBUTTON SWITCH BOOTS

- Silicone rubber boot, with molded-in mounting nut
- Completely covers actuator
- Meets MIL-B-5423
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- RFI suffix are EMI shielded

RoHS Compliant

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Dimensions: in.			Plunger Height (IN)	Color	Price Each		
				A	B	C			1	25	50
608-N3030	N3030	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Gray	2.70	2.54	2.38
608-N3030-2605	N3030 2605	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Green	3.65	3.43	3.21
608-N3030-2619	N3030 2619	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Yellow	3.65	3.43	3.21
608-N3030-2604	N3030 2604	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Red	3.65	3.43	3.21
608-NC3030	NC3030	A	15/32-32NS-2B	0.719	0.625	0.422	0.438	Gray	2.70	2.54	2.38
608-NH3030	NH3030	A	1/2-32NS-2B	0.547	0.625	0.422	0.281	Gray	2.83	2.66	2.49
608-N5040	N5040	A	1/4-40NS-2B	0.313	0.375	0.188	0.141	Gray	3.23	3.03	2.84
608-N5040G	N5040G	A	1/4-32NS-2B	0.313	0.375	0.188	0.203	Gray	3.23	3.03	2.84
608-N5040R	N5040R	A	1/4-40NS-2B	0.313	0.375	0.188	0.203	Gray	3.23	3.03	2.84
608-1231/8/49	1231/8/49	A	3/8-27NS-2B	0.653	0.500	0.300	0.545	Clear	3.23	3.03	2.84
608-1221/12	1221/12	B	3/8-27NS-2B	0.609	0.641	0.320	0.330	Gray	1.80	1.69	1.58
608-1221/15	1221/15	B	15/32-32NS-2B	0.719	0.766	0.375	0.400	Gray	1.88	1.76	1.65
608-C1221/21/4	C1221/21/4	B	3/8-27NS-2B	0.609	0.641	0.320	0.330	Clear	1.50	1.41	1.32
608-C1221/23	C1221/23	B	3/8-32NEF-2B	0.609	0.641	0.320	0.330	Clear	1.50	1.41	1.32
608-C1221/25	C1221/25	B	3/8-32NS-2B	0.609	0.500	0.320	0.545	Black	1.50	1.41	1.32
608-N3030-RFI	N3030 RFI	A	15/32-32NS-2B	0.547	0.625	0.422	0.281	Gray	7.75	7.29	6.82
608-NC3030-RFI	NC3030 RFI	A	15/32-32NS-2B	0.719	0.625	0.422	0.438	Gray	9.60	9.02	8.45
608-NH3030-RFI	NH3030 RFI	A	1/2-32NS-2B	0.547	0.625	0.422	0.281	Gray	10.53	9.89	9.26
608-1238/1	1238/1	C	15/32-32NS-2B	0.984	0.750	0.422	0.438	Armored	8.05	7.57	7.08

APM HEXSEAL TOGGLE SWITCH BOOTS

- Silicone rubber with molded-in hex mounting nut
- Seals both switch and panel cutout
- Meets MIL-B-5423
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- RFI suffix are EMI shielded

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Dimensions: in.			Plunger Height (IN)	Color	Price Each		
				A	B	C			1	25	50
608-N1030	N1030	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Gray	2.70	2.54	2.38
608-N1030-2504	N1030 2504	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Green	3.65	3.43	3.21
608-N1030-2503	N1030 2503	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Yellow	3.65	3.43	3.21
608-N1030-2508	N1030 2508	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Red	3.65	3.43	3.21
608-N1030A	N1030A	E	15/32-32NS-2B	0.219	0.875	0.625	0.660	Stainless-Steel	4.95	4.65	4.36
608-N1030B	N1030B	F	15/32-32NS-2B	0.078	0.437	0.625	—	Gray	2.70	2.54	2.38
608-N5030	N5030	D	1/4-40NS-2B	0.104	0.422	0.375	0.310	Gray	3.23	3.03	2.84
608-N5030L	N5030L	D	1/4-40NS-2B	0.062	0.500	0.375	0.370	Gray	3.23	3.03	2.84
608-N5032B	N5032B	F	1/4-40NS-2B	0.047	0.250	0.375	—	Gray	3.23	3.03	2.84
608-C1131/28	C1131/28	D	15/32-32NS-2B	0.219	0.937	0.625	0.710	Black	2.25	2.12	1.98
608-1131/26	1131/26	D	15/32-32NS-2B	0.219	1.093	0.625	0.900	Gray	2.70	2.54	2.38
608-50154	50154	D	15/32-32NS-2B	0.280	1.094	0.625	1.094	Gray	2.65	2.49	2.33
608-N5030S	N5030S	D	1/4-40NS-2B	0.062	0.594	0.375	0.500	Gray	3.23	3.03	2.84
608-IN1030-RFI	IN1030 RFI	D	15/32-32NS-2B	0.219	0.844	0.625	0.660	Gray	7.75	7.29	6.82
608-IN1030RFI1/232	IN1030 RFI 1/2-32	D	1/2-32NS-2B	0.219	0.844	0.625	0.660	Gray	11.08	10.41	9.75
608-N5030L-RFI	N5030L RFI	D	1/4-40NS-2B	0.062	0.500	0.375	0.360	Gray	9.65	9.07	8.49
608-N5030S-RFI	N5030S RFI	D	1/4-40NS-2B	0.062	0.594	0.750	0.500	Gray	9.65	9.07	8.49

APM HEXSEAL ROCKER SWITCH BOOTS

- High tear strength, transparent silicone rubber
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- Does not compromise switch operability, position status viewing, or legend visibility
- Meets MIL-B-5423

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Dimensions: in.					Color	Price Each		
			A	B	C	D	E		1	25	50
608-C1113/66	C1113/66	G	0.228	0.348	0.531	0.750	0.531	Clear	1.70	1.60	1.50
608-C1113/80	C1113/80	G	0.560	0.750	1.375	1.750	0.900	Clear	2.00	1.88	1.76

APM HEXSEAL ROTARY SHAFT SEALS

- For standard rotary switch/potentiometer shafts
- Seals boot shaft and panel cutout
- RFI suffix are EMI shielded
- Resistant to sunlight, weather, salt spray, ozone,fungus and most acids and lubricating oils
- Meets MIL-B-5423

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Thread Size	Shaft Dia. (IN)	Dimensions: in.		Color	Price Each		
					A	B		1	10	25
608-N9030-X-1/4	N9030 X 1/4	H	3/8-32NS-2B	.250	0.219	0.500	Gray	2.48	2.33	2.18
608-N9040-X-1/8	N9040 X 1/8	H	1/4-32NEF-2B	.125	0.219	0.375	Gray	2.48	2.33	2.18
608-N9030-X-1/4-RFI	N9030 X 1/4 RFI	H	3/8-32NS-2B	.250	0.219	0.500	Gray	7.03	6.60	6.18
608-N9040-X-1/8-RFI	N9040 X 1/8 RFI	H	1/4-32NEF-2B	.125	0.219	0.375	Gray	9.65	9.07	8.49

APM HEXSEAL SEALED-SWITCH PANEL BUSHING SEAL

- Seals panel cutout through which the switch bushing passes
- Meets MIL-B-5423

RoHS Compliant

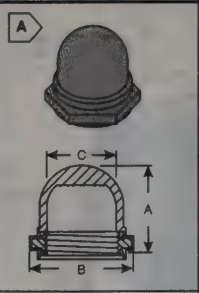
MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Shaft Brushing	Washer Dia.: in.	Thickness: in.	Price Each		
						1	25	50
608-60064	60064	I	15/32-32	.677	0.120	1.98	1.86	1.74

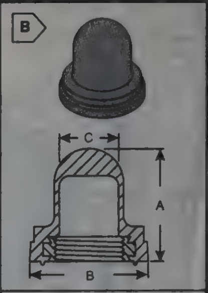
APM HEXSEAL SEALING BOOTS FOR LEVER-ACTUATED CIRCUIT BREAKERS

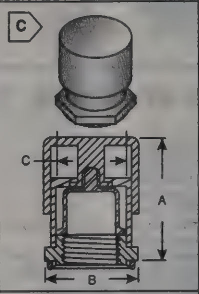
- High tear strength, transparent silicone rubber
- Does not compromise breaker operation or position status viewing
- Resistant to sunlight, weather, salt spray, ozone, fungus and most acids and lubricating oils
- Mounting hardware provided
- Meets MIL-B-5423

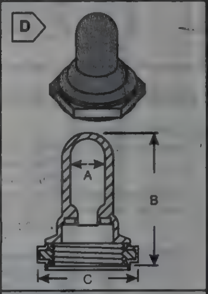
RoHS Compliant

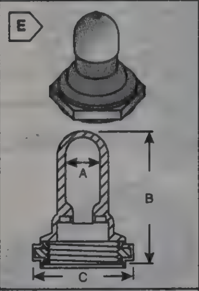
MOUSER STOCK NO.	APM Hexseal Part No.	Fig.	Poles	Dimensions: in.					Carling	Tyco/ P&B	Price Each		
				H	L1	L2	W1	W2			1	25	50
Front-Panel Mounted													
608-CT1015	CT1015	J	1	0.875	1.875	2.625	1.375	0.875	CA1/DA1	W91	13.03	12.24	11.46
608-CT1020	CT1020	J	2	0.875	1.875	2.656	2.219	1.594	CA2/DA2	W92	14.75	13.87	12.98
608-CT1050	CT1050	J	3	0.875	1.875	2.656	2.656	2.344	CA3/DA3	W93	17.10	16.08	15.05
Back-of-Panel Mounted													
608-C1113/40	C1113/40	K	1	0.813	1.813	2.00	0.75	0.656	BA1	W67/W68/W69	10.43	9.80	9.17
608-C1113/42	C1113/42	K	2	0.813	1.813	2.00	1.50	1.406	BA2	W68/W69	12.00	11.28	10.56
608-C1113/43	C1113/43	K	3	0.813	1.813	2.00	2.25	2.156	BA3	W69	12.98	12.20	11.42

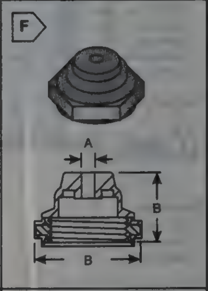


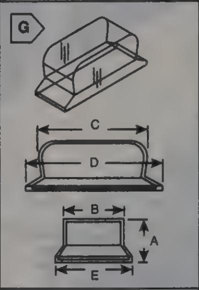


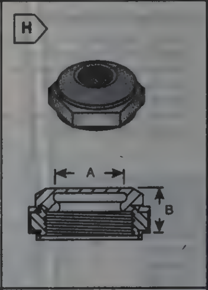


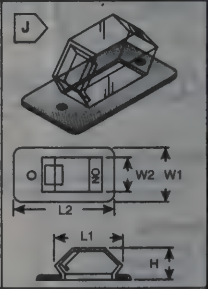


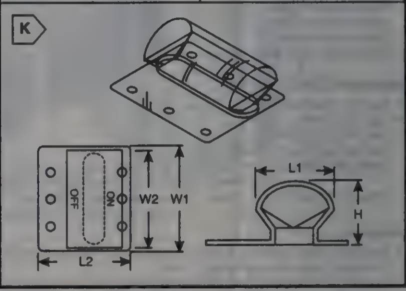












Security Switches

RoHS Compliant **This page of product is compliant.**

JD SERIES KEYLOCK SWITCHES

Electrical Specifications:
- Max. current/voltage rating with resistive load: 4A 125VAC, 2A 250VAC
- Electrical life: 6,000 Cycles at full load
- Initial contact resistance: 20 mΩ max.
- Insulation resistance: 10^9Ω min.
- Dielectric strength: 1,000 Vrms min. @ sea level

Materials:
- Lock: Nickel plated zinc alloy
- Keys: Two nickel plated brass keys with code number stamped on key face. Single bitted.
- Switch housing: Glass filled polyester
- Contacts/terminals: Silver plated copper alloy
- Mounting nut: Nickel plated zinc alloy

RoHS Compliant

E158071

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Description	Key Removes	Price Each		
					1	25	100
642-JD-7509O	JD-7509O	A	DP 90° Maintained	Position 1	7.89	7.53	7.17
642-JD-7509Q	JD-7509Q	A	DP 90° Maintained	Position 2	7.89	7.53	7.17
642-JD-7509S	JD-7509S	A	DP 90° Maintained	Position 1, 2	7.89	7.53	7.17
642-JD-7509B	JD-7509B	A	DP 45° Maintained	Position 1	8.07	7.70	7.33
642-JD-7509F	JD-7509F	A	DP 45° Maintained	Position 1, 3	8.07	7.70	7.33
642-JD-7509H	JD-7509H	A	DP 45° Maintained	Position 1	12.10	10.89	10.30
642-JD-7509J	JD-7509J	A	DP 45° Maintained	Position 1, 2, 3	8.07	7.70	7.33
642-JD-7510A	JD-7510A	A	SP 45° Momentary	Position 1	13.90	13.21	12.51
642-JD-7510E	JD-7510E	A	SP 45° Momentary	Position 1	9.28	8.86	8.43
642-JD-7510I	JD-7510I	A	SP 45° Momentary	Position 1	9.28	8.86	8.43

A01 SERIES KEY SECURITY SWITCHES

Specifications:
- Current/voltage rating: 10mA 5VAC min.; 6A 250VAC max. - 6A 12VDC max.
- Electrical life: 50,000 Cycles min.
- Initial contact resistance: 10 mΩ max. at 1A 4VDC
- Insulation resistance: 50 MΩ min.
- Dielectric strength: 750V Between open contacts 5KV live to accessible

Features:
- Modular construction
- Environmental seal: IP65
- Contacts: Gold plated silver
- Momentary or maintained action

RoHS Compliant

A Keylock Switch assembly requires: Operator and Switch Block

Operator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Fig.	Poles	Description	Key Removes	Price Each		
						1	25	100
642-A018301	A018301	B	1 or 2	2 Position Maintained	Position 1, 3	25.50	22.95	20.40
642-A018302	A018302	B	1 or 2	2 Position Momentary	Position 1	25.50	22.95	20.40
642-A018303	A018303	B	3 or 4	2 Position Maintained	Position 1, 3	25.50	22.95	20.40
642-A018304	A018304	B	3 or 4	2 Position Momentary	Position 1	25.50	22.95	20.40
642-A018305	A018305	B	1 or 2	3 Position Maintained	Position 1, 2, 3	25.50	22.95	20.40
642-A018306	A018306	B	1 or 2	3 Position Momentary	Position 1	25.50	22.95	20.40
642-A018307	A018307	B	1 or 2	3 Position Main. Left, Mom. Right	Position 1, 2	25.50	22.95	20.40

Switch Blocks

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Apem Part No.	Description	Price Each		
			1	25	100
642-A0151B	A0151B	Switch block, single pole, for A01 series	6.50	5.85	5.20
642-A0152B	A0152B	Switch block, double pole, for A01 series	9.36	8.42	7.49
642-A0155B	A0155B	Switch block, triple pole, for A01 series	15.98	14.38	12.78
642-A0153B	A0153B	Switch block, four pole, for A01 series	19.48	17.53	15.58

SK SERIES: LOW SECURITY COMPACT KEYLOCK SWITCHES

Specifications:
- Power rating: 3A @125VAC, 1A @ 250VAC
- Supplied with 2 keys per switch
- Solder lug

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Key Removes	Price Each		
					1	25	50
633-SK12AAW01-RO	SK12AAW01-RO	C	SPDT On-None-On	Positions 1 & 3	11.20	10.57	9.95
633-SK12BAW01-RO	SK12BAW01-RO	C	SPDT On-None-On	Position 1	11.20	10.57	9.95
633-SK13DAW01-RO	SK13DAW01-RO	C	SPDT On-Off-On	Positions 1, 2, 3	11.79	11.14	10.48
633-SK13EAW01-RO	SK13EAW01-RO	C	SPDT On-Off-On	Position 2	11.79	11.14	10.48

CK SERIES: HIGH SECURITY KEYLOCK SWITCHES

Specifications:
- Power rating: 3A @ 250VAC
- Contact timing: Break-before-make
- Solder lug
- One key per switch

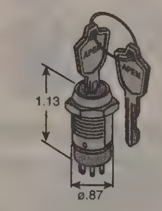
RoHS Compliant

For quantities of 100 and up, call for quote.

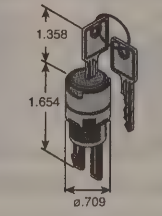
MOUSER STOCK NO.	NKK Part No.	Fig.	Circuit	Key Removes	Price Each		
					1	25	50
16mm Bushing w/ Flat Key							
633-CKM12AF	CKM12AFW01	D	SPDT On-None-On	Positions 1 & 3	12.56	11.54	10.86
633-CKM12BF	CKM12BFW01	D	SPDT On-None-On	Position 1	12.56	11.54	10.86
633-CKM13EF	CKM13EFW01	D	SPDT On-Off-On	Position 2	13.89	12.77	12.02
16mm Bushing w/ Tubular Key							
633-CKM12AT	CKM12ATW01	E	SPDT On-None-On	Positions 1 & 3	12.56	11.54	10.86
633-CKM12BT	CKM12BTW01	E	SPDT On-None-On	Position 1	12.56	11.54	10.86
633-CKM13ET	CKM13ETW01	E	SPDT On-Off-On	Position 2	13.89	12.77	12.02
19mm Bushing w/ Flat Key							
633-CKL12AF	CKL12AFW01	F	SPDT On-None-On	Positions 1 & 3	12.73	11.70	11.01
633-CKL12BF	CKL12BFW01	F	SPDT On-None-On	Position 1	12.73	11.70	11.01
633-CKL13EF	CKL13EFW01	F	SPDT On-Off-On	Position 2	14.04	12.90	12.14
19mm Bushing w/ Tubular Key							
633-CKL12AT	CKL12ATW01	G	SPDT On-None-On	Positions 1 & 3	12.73	11.70	11.01
633-CKL12BT	CKL12BTW01	G	SPDT On-None-On	Position 1	12.73	11.70	11.01
633-CKL13ET	CKL13ETW01	G	SPDT On-Off-On	Position 2	14.04	12.90	12.14

DIMENSIONS: in.

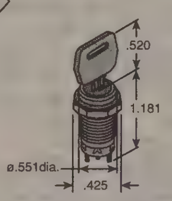
A



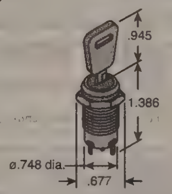
B



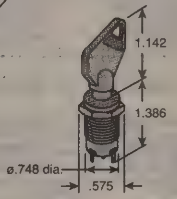
C



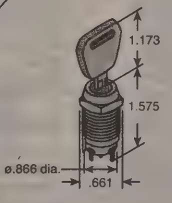
D



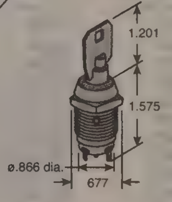
E



F

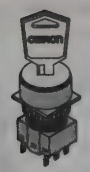


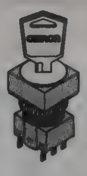
G

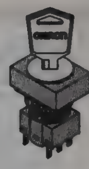


OMRON 16mm and 22mm Selector Switches

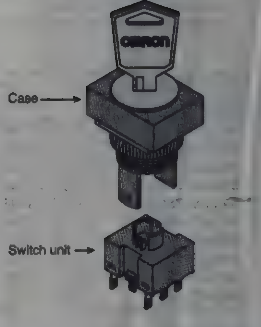
OMRON
INDUSTRIAL AUTOMATION

A


B


C


OMRON A165K SERIES: 16MM KEY-TYPE SELECTOR SWITCHES



Each unit includes protective case, switch unit, and 2 keys.

For quantities of 100 and up, call for quote.

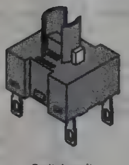
MOUSER STOCK NO.	Omron Part No.	Fig.	Shape of Flange	Key Release Position	Number of Positions Reset Method	Price Each			
						1	10	25	50
653-A165K-T2M-2	A165K-T2M-2	A	Round	All	2 Position Maintained	33.60	32.46	31.45	30.44
653-A165K-T2AL-2	A165K-T2AL-2	A	Round	Left	2 Position Spring return from right	33.60	32.46	31.45	30.44
653-A165K-T3M-2	A165K-T3M-2	A	Round	All	3 Position Maintained	33.60	32.46	31.45	30.44
653-A165K-A2M-2	A165K-A2M-2	B	Square	All	2 Position Maintained	33.60	32.46	31.45	30.44
653-A165K-A2AL-2	A165K-A2AL-2	B	Square	Left	2 Position Spring return from right	33.60	32.46	31.45	30.44
653-A165K-A3M-2	A165K-A3M-2	B	Square	All	3 Position Maintained	33.60	32.46	31.45	30.44
653-A165K-J2M-2	A165K-J2M-2	C	Rectangular	All	2 Position Maintained	34.70	33.56	32.55	31.64
653-A165K-J2AL-2	A165K-J2AL-2	C	Rectangular	Left	2 Position Spring return from right	33.60	32.46	31.45	30.44
653-A165K-J3M-2	A165K-J3M-2	C	Rectangular	All	3 Position Maintained	33.60	32.46	31.45	30.44

OMRON ACCESSORIES FOR 16MM SWITCHES

**Replacement switch units, cases, and switch guards are for pushbutton switches.
Replacement caps, LEDs, incandescent lamps, and neon lamps are also available.
Contact Mouser for these items.**

For quantities of 100 and up, call for quote.

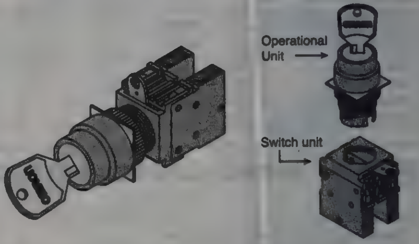
MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A16-1	A16-1	Replacement switch unit, SPDT Solder terminals	5.98	5.78	5.60	5.42
653-A16-2	A16-2	Replacement switch unit, DPDT Solder terminals	7.87	7.60	7.37	7.13
653-A16-1P	A16-1P	Replacement switch unit, SPDT PCB terminals	8.71	8.41	8.15	7.89
653-A16-2P	A16-2P	Replacement switch unit, DPDT PCB terminals	9.77	8.95	8.51	8.12
653-A165-CTM	A165-CTM	Replacement case, round, momentary action	3.88	3.75	3.63	3.52
653-A165-CAM	A165-CAM	Replacement case, square, momentary action	6.51	6.29	6.09	5.90
653-A165-CJM	A165-CJM	Replacement case, rectangular, momentary action	3.88	3.75	3.63	3.52
653-A165-CTA	A165-CTA	Replacement case, round, alternate action	4.72	4.56	4.42	4.28
653-A165-CAA	A165-CAA	Replacement case, square, alternate action	3.78	3.65	3.54	3.42
653-A165-CJA	A165-CJA	Replacement case, rectangular, alternate action	4.51	4.36	4.22	4.09


Switch unit

Case

OMRON A22K SERIES: 22MM KEY TYPE SELECTOR SWITCHES

- Locking lever ensures easy mounting and removal of switch
- Finger safe contact blocks
- Install using either round, forked crimp terminals or ferrules
- Contact form: SPST-NO + SPST-NC
- Degree of protection: IP65
- Contact rating: 3A @ 30VDC/250VAC; 5A @ 125VAC



Each unit includes operational unit and switch unit.

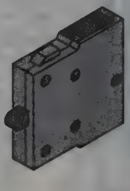
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type of Lever	Number of Positions/ Reset Method	Price Each			
				1	10	25	50
653-A22K-2M-11	A22K-2M-11	Left-Right	2 Position Maintained	34.65	33.47	32.43	31.39
653-A22K-2AL-11	A22K-2AL-11	Left	2 Position Spring return from right	30.18	29.15	28.25	27.34
653-A22K-3M-11	A22K-3M-11	Left-Right	3 Position Maintained	31.23	30.17	29.23	28.29
653-A22K-3AC-11	A22K-3AC-11	Center	3 Position Spring return from both	31.23	30.17	29.23	28.29

OMRON SWITCH BLOCKS FOR OMRON 22MM SWITCHES

Replacement caps, LEDs, and various other tools are also available. Contact Mouser for these items.

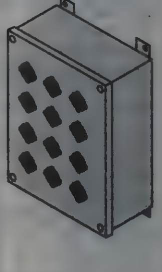
MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	6.30	6.09	5.90	5.71
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	15.22	14.70	14.25	13.79
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	6.30	6.09	5.90	5.71
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	16.33	15.83	15.34	14.94
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	15.45	14.15	13.45	12.85
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	26.41	24.19	23.00	21.96
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	24.41	23.58	22.85	22.12
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	26.41	24.19	23.00	21.96



ENCLOSURES FOR 22MM SWITCHES

MOUSER STOCK NO.	Hammond Part No.	Fig.	Type of Enclosure	Overall Dimensions	No. of Holes	Price Each			
						1	2	5	10
546-PJ744P221	PJ744P221	A	Polyester	6.74 x 3.93 x 3.88	1	27.89	26.49	25.17	23.91
546-PJ744P222	PJ744P222	A	Polyester	6.74 x 3.93 x 3.88	2	29.66	28.18	26.77	25.43
546-PJ944P223	PJ944P223	A	Polyester	8.99 x 3.93 x 3.88	3	31.46	29.89	28.39	26.97
546-MPB1	MPB1	B	Metallic	4.25 x 3.06 x 3.5	1	39.93	34.34	32.71	31.15
546-MPB2	MPB2	B	Metallic	6.13 x 3.06 x 3.5	2	44.80	38.53	36.69	34.94
546-MPB3	MPB3	B	Metallic	8.0 x 3.06 x 3.5	3	49.75	42.78	40.74	38.80
546-MPB4	MPB4	B	Metallic	9.88 x 3.06 x 3.05	4	54.68	47.02	44.78	42.65
546-MPB6	MPB6	B	Metallic, hinged	9.5 x 5.31 x 4.25	6	69.34	59.63	56.79	54.08
546-MPB9	MPB9	B	Metallic, hinged	9.5 x 6.81 x 4.25	9	77.49	66.64	63.46	60.44
546-MPB12	MPB12	B	Metallic, hinged	11.38 x 6.81 x 4.25	12	86.01	73.97	70.44	67.09
546-MPB16	MPB16	B	Metallic, hinged	11.38 x 8.31 x 4.25	16	107.17	92.16	87.78	83.60
546-MPB20	MPB20	B	Metallic, hinged	13.25 x 8.31 x 4.25	20	120.56	103.68	98.74	94.04
546-MPB25	MPB25	B	Metallic, hinged	13.25 x 9.81 x 4.25	25	136.39	117.29	111.71	106.39
546-MPB30	MPB30	B	Metallic, hinged	15.13 x 9.81 x 4.25	30	182.83	157.22	149.73	142.60

A

B


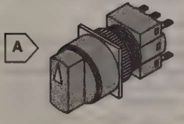
OMRON 16mm Selector Switches

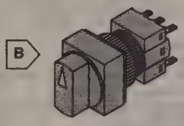
OMRON A165S SERIES: 16MM NON-ILLUMINATED KNOB-TYPE SELECTOR SWITCHES

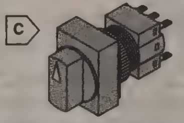
Each unit includes protective case and switch unit.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Shape of Flange	Number of Positions Reset Method	Price Each			
					1	10	25	50
653-A165S-T2M-2	A165S-T2M-2	A	Round	2 Position Maintained	19.54	17.89	17.01	16.24
653-A165S-T2A-2	A165S-T2A-2	A	Round	2 Position Spring return from right	20.58	19.88	19.26	18.65
653-A165S-T3M-2	A165S-T3M-2	A	Round	3 Position Maintained	19.54	17.89	17.01	16.24
653-A165S-T3A-2	A165S-T3A-2	A	Round	3 Position Spring return from both	20.58	19.88	19.26	18.65
653-A165S-A2M-2	A165S-A2M-2	B	Square	2 Position Maintained	19.54	17.89	17.01	16.24
653-A165S-A2A-2	A165S-A2A-2	B	Square	2 Position Spring return from right	20.58	19.88	19.26	18.65
653-A165S-A3M-2	A165S-A3M-2	B	Square	3 Position Maintained	20.58	19.88	19.26	18.65
653-A165S-A3A-2	A165S-A3A-2	B	Square	3 Position Spring return from both	20.58	19.88	19.26	18.65
653-A165S-J2M-2	A165S-J2M-2	C	Rectangular	2 Position Maintained	20.58	19.88	19.26	18.65
653-A165S-J2A-2	A165S-J2A-2	C	Rectangular	2 Position Spring return from right	20.58	19.88	19.26	18.65
653-A165S-J3M-2	A165S-J3M-2	C	Rectangular	3 Position Maintained	20.58	19.88	19.26	18.65
653-A165S-J3A-2	A165S-J3A-2	C	Rectangular	3 Position Spring return from both	20.58	19.88	19.26	18.65

A


B


C


OMRON A165W SERIES: 16MM ILLUMINATED KNOB-TYPE SELECTOR SWITCHES

Each unit includes protective case, LED, and switch unit.

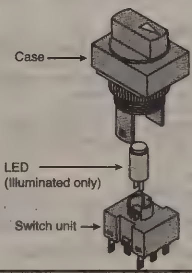
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Shape of Flange	Sel./LED Color	Number of Positions Reset Method	Price Each			
						1	10	25	50
653-A165W-T2MR-24D-2	A165W-T2MR-24D-2	A	Round	Red	2 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-T2MY-24D-2	A165W-T2MY-24D-2	A	Round	Yellow	2 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-T2MG-24D-2	A165W-T2MG-24D-2	A	Round	Green	2 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-T2AR-24D-2	A165W-T2AR-24D-2	A	Round	Red	2 Position Spring return from right	25.98	25.10	24.32	23.54
653-A165W-T2AY-24D-2	A165W-T2AY-24D-2	A	Round	Yellow	2 Position Spring return from right	25.98	25.34	24.49	23.65
653-A165W-T2AG-24D-2	A165W-T2AG-24D-2	A	Round	Green	2 Position Spring return from right	25.98	25.10	24.32	23.54
653-A165W-T3MR-24D-2	A165W-T3MR-24D-2	A	Round	Red	3 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-T3MY-24D-2	A165W-T3MY-24D-2	A	Round	Yellow	3 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-T3MG-24D-2	A165W-T3MG-24D-2	A	Round	Green	3 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-A2MR-24D-2	A165W-A2MR-24D-2	B	Square	Red	2 Position Maintained	25.98	25.05	24.27	23.49
653-A165W-A2MY-24D-2	A165W-A2MY-24D-2	B	Square	Yellow	2 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-A2MG-24D-2	A165W-A2MG-24D-2	B	Square	Green	2 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-A2AR-24D-2	A165W-A2AR-24D-2	B	Square	Red	2 Position Spring return from right	25.98	25.10	24.32	23.54
653-A165W-A2AY-24D-2	A165W-A2AY-24D-2	B	Square	Yellow	2 Position Spring return from right	25.98	25.10	24.32	23.54
653-A165W-A2AG-24D-2	A165W-A2AG-24D-2	B	Square	Green	2 Position Spring return from right	25.98	25.10	24.32	23.54
653-A165W-A3MR-24D-2	A165W-A3MR-24D-2	B	Square	Red	3 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-A3MY-24D-2	A165W-A3MY-24D-2	B	Square	Yellow	3 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-A3MG-24D-2	A165W-A3MG-24D-2	B	Square	Green	3 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-J2MR-24D-2	A165W-J2MR-24D-2	C	Rectangular	Red	2 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-J2MY-24D-2	A165W-J2MY-24D-2	C	Rectangular	Yellow	2 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-J2MG-24D-2	A165W-J2MG-24D-2	C	Rectangular	Green	2 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-J2AR-24D-2	A165W-J2AR-24D-2	C	Rectangular	Red	2 Position Spring return from right	25.98	25.10	24.32	23.54
653-A165W-J2AY-24D-2	A165W-J2AY-24D-2	C	Rectangular	Yellow	2 Position Spring return from right	25.98	25.10	24.32	23.54
653-A165W-J2AG-24D-2	A165W-J2AG-24D-2	C	Rectangular	Green	2 Position Spring return from right	25.98	25.10	24.32	23.54
653-A165W-J3MR-24D-2	A165W-J3MR-24D-2	C	Rectangular	Red	3 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-J3MY-24D-2	A165W-J3MY-24D-2	C	Rectangular	Yellow	3 Position Maintained	25.98	25.10	24.32	23.54
653-A165W-J3MG-24D-2	A165W-J3MG-24D-2	C	Rectangular	Green	3 Position Maintained	25.98	25.10	24.32	23.54

LED Specifications for Illuminated Switches:

- Rated current: 10mA
- Operating voltage: 24VDC
- Internal limiting resistor: 1600Ω

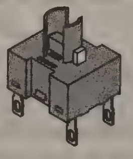
Note: Actual color of yellow pushbuttons more closely resembles amber than true yellow.

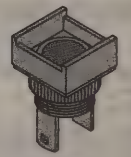


OMRON ACCESSORIES FOR 16MM SWITCHES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A16-1	A16-1	Replacement switch unit, SPDT Solder terminals	5.98	5.78	5.60	5.42
653-A16-2	A16-2	Replacement switch unit, DPDT Solder terminals	7.87	7.60	7.37	7.13
653-A16-1P	A16-1P	Replacement switch unit, SPDT PCB terminals	8.71	8.41	8.15	7.89
653-A16-2P	A16-2P	Replacement switch unit, DPDT PCB terminals	9.77	8.95	8.51	8.12
653-A165-CTM	A165-CTM	Replacement case, round, momentary action	3.88	3.75	3.63	3.52
653-A165-CAM	A165-CAM	Replacement case, square, momentary action	6.51	6.29	6.09	5.90
653-A165-CJM	A165-CJM	Replacement case, rectangular, momentary action	3.88	3.75	3.63	3.52
653-A165-CTA	A165-CTA	Replacement case, round, alternate action	4.72	4.56	4.42	4.28
653-A165-CAA	A165-CAA	Replacement case, square, alternate action	3.78	3.65	3.54	3.42
653-A165-CJA	A165-CJA	Replacement case, rectangular, alternate action	4.51	4.36	4.22	4.09


Switch unit


Case

Replacement switch units, cases, and switch guards are for pushbutton switches. Replacement caps, LEDs, incandescent lamps, and neon lamps are also available. Contact Mouser for these items.

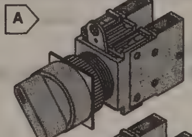
OMRON A22S SERIES: 22MM NON-ILLUMINATED SELECTOR SWITCHES

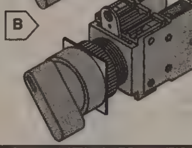
- Locking lever ensures easy mounting and removal of switch
- Finger safe contact blocks
- Install using either round, forked crimp terminals or ferrules
- Contact form: SPST-NO + SPST-NC
- Degree of protection: IP65
- Contact rating: 3A @ 30VDC/250VAC

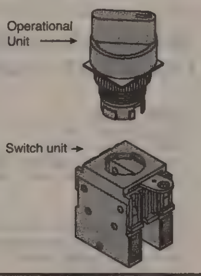
Each unit includes operational unit and switch unit with contact blocks

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Type of Lever	Number of Positions/ Reset Method	Price Each			
					1	10	25	50
653-A22S-2M-11	A22S-2M-11	A	Standard	2 Position Maintained	18.27	17.65	17.10	16.55
653-A22S-2A-11	A22S-2A-11	A	Standard	2 Pos. Spring return from right	19.53	18.87	18.28	17.69
653-A22S-3M-11	A22S-3M-11	A	Standard	3 Position Maintained	18.54	16.98	16.14	15.42
653-A22S-3A-11	A22S-3A-11	A	Standard	3 Pos. Spring return from both	19.53	18.87	18.28	17.69
653-A22S-C2M-11	A22S-C2M-11	B	Extended	2 Position Maintained	21.52	20.79	20.14	19.50
653-A22S-C2A-11	A22S-C2A-11	B	Extended	2 Pos. Spring return from right	21.52	20.79	20.14	19.50
653-A22S-C3M-11	A22S-C3M-11	B	Extended	3 Position Maintained	23.88	23.07	22.35	21.64
653-A22S-C3A-11	A22S-C3A-11	B	Extended	3 Pos. Spring return from both	23.88	23.07	22.35	21.64

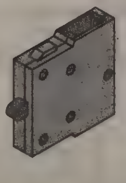
A


B




OMRON SWITCH BLOCKS FOR OMRON 22MM SWITCHES

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-A22-10	A22-10	Replacement switch block, SPST-NO, General Purp.	6.30	6.09	5.90	5.71
653-A22-10S	A22-10S	Replacement switch block, SPST-NO, Microload	15.22	14.70	14.25	13.79
653-A22-01	A22-01	Replacement switch block, SPST-NC, General Purp.	6.30	6.09	5.90	5.71
653-A22-01S	A22-01S	Replacement switch block, SPST-NC, Microload	16.33	15.83	15.34	14.94
653-A22-20	A22-20	Replacement switch block, DPST-NO, General Purp.	15.45	14.15	13.45	12.85
653-A22-20S	A22-20S	Replacement switch block, DPST-NO, Microload	26.41	24.19	23.00	21.96
653-A22-02	A22-02	Replacement switch block, DPST-NC, General Purp.	24.41	23.58	22.85	22.12
653-A22-02S	A22-02S	Replacement switch block, DPST-NC, Microload	26.41	24.19	23.00	21.96



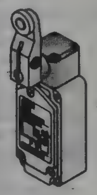
OMRON WL SERIES: ROBUST GENERAL PURPOSE LIMIT SWITCH

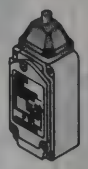
Specifications:
- Class I protection against electric shock
- Contact ratings: NEMA A600, 10A @ 125VAC
- Mechanical life: 15 million operations
- Contact configuration: SPDT
- Enclosure ratings: UL - 3, 4, 13; NEMA - 1, 2, 3, 3R, 4, 5, 6, 12, 13; IEC 144-IP67

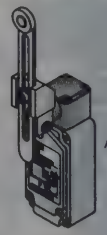
Features:
- Rugged diecast housing
- Oiltight, waterproof, dustproof construction
- High mechanical strength
- Switches with neon lamp or LED status indicator available

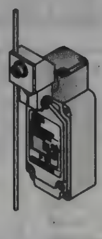
For quantities of 50 and up, call for quote.

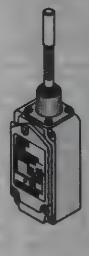
MOUSER STOCK NO.		Value	Actuator Type	Price Each		
Mfr.	Mfr. Part No.			1	10	25
653—	WLCA2-TS	1.36 kg	Short roller lever	72.98	66.83	63.55
653—	WLCA12-TS	1.36 kg	Adjustable roller lever	85.20	78.02	74.19
653—	WLCL-TS	142 g	Adjustable rod lever	79.24	72.57	69.00
653—	WLD-TS	2.72 kg	Plain top plunger	72.98	66.83	63.55
653—	WLNJ-TS	150 g	Coil spring, 6.5mm diameter	85.20	78.02	74.19
Levers for WL Series						
653—	WL-1A100	Short roller lever, 38mm radius		12.51	11.45	10.89
653—	WL-2A100	Adjustable roller lever		16.92	15.49	14.73
653—	WL-4A100	Adjustable rod lever, 140mm		19.41	17.78	16.91


Short roller lever
(WLCA2-TS)


Plain top plunger
(WLD-TS)


Adjustable roller lever
(WLCA12-TS)


Adjustable rod lever
(WLCL-TS)


Coil spring
(WLNJ-TS)

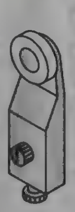
OMRON D4A-N SERIES: DIVERSE GENERAL PURPOSE LIMIT SWITCH

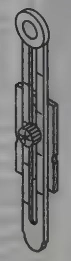
Specifications:
- Contact ratings: SPDT - NEMA A600, 10A @ 125VAC; DPDT - NEMAB600, 5A @ 120 VAC
- Mechanical life: SPDT - 50 million operations; DPDT - 30 million operations
- Conduit entrance: 1/2-14 NPT
- Enclosure ratings: UL - 3, 4, 4X, 6P,13; NEMA - 1, 2, 3, 4, 4X, 5, 6, 6P, 12, 13; IEC 144-IP67

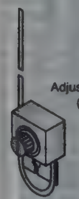
Features:
- Plug-in construction
- Oiltight, waterproof, dustproof construction
- Side rotary switches accept a wide selection of levers
- Switches with neon lamp or LED status indicator available

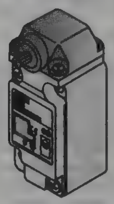
For quantities of 50 and up, call for quote.

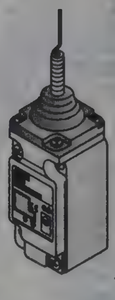
MOUSER STOCK NO.		Value	Actuator Type	Price Each		
Mfr.	Mfr. Part No.			1	10	25
Side Rotary Switches (Levers sold separately)						
653—	D4A-1101N	4kg-cm	Standard, SPDT double break	69.71	63.83	60.70
653—	D4A-1103N	2kg-cm	Low torque, SPDT double break	75.97	69.57	66.15
653—	D4A-2501N	4kg-cm	Standard, DPDT double break	116.49	106.67	101.44
Switches with Built-in Actuators						
653—	D4A-1116N	150g	Coil spring wobble lever, 6.5mm diameter	87.89	80.48	76.53
Levers for D4A Series						
653—	D4A-A00	Roller lever, front mount, 38.1mm radius		17.57	16.09	15.30
653—	D4A-C00	Adj. Roller lever, front mnt. ,33-91mm length		18.94	17.34	16.49
653—	D4A-D00	Adjustable Rod lever 150mm length		17.57	16.09	15.30


Roller lever
(D4A-A00)


Adjustable roller lever
(D4A-C00)


Adjustable rod lever
(D4A-D00)


Side rotary switches
(D4A-1101N)
(D4A-1103N)
(D4A-2501N)


With built-in coil spring wobble lever
(D4A-1116N)

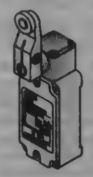
OMRON D4B-N SERIES: HEAVY DUTY SAFETY LIMIT SWITCHES

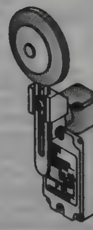
Specifications:
- Output current: 10A
- Supply voltage: 125 VAC
- Enclosure rating meets IP67 and NEMA 3, 4, 6P, and 13
- Contact configuration: SPDT 1NC/1NO

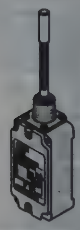
Features:
- Direct drive contacts to ensure contact opening of double break contacts even when contact welding occurs
- 4 position turret head

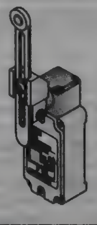
For quantities of 50 and up, call for quote.

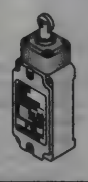
MOUSER STOCK NO.		Operating Force	Actuator Type	Price Each		
Mfr.	Mfr. Part No.			1	10	25
Side Rotary Switches (Levers sold separately)						
653—	D4B-3111N	960 g	Roller lever	50.00	48.30	46.80
653—	D4B-3113N	740 g	Adjustable roller lever	71.00	68.59	66.46
653—	D4B-3116N	960 g	Adjustable roller lever	80.75	78.00	75.58
653—	D4B-3117N	216 g	Adjustable rod lever	81.50	78.83	76.48
653—	D4B-3171N	1900 g	Top roller plunger	75.75	73.17	70.90
653—	D4B-3181N	150 g	Wobble stick	73.25	70.76	68.56

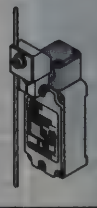

Roller lever
(D4B-3111N)


Adjustable roller lever
(D4B-3113N)


Wobble stick
(D4B-3181N)


Adjustable roller plunger
(D4B-3116N)


Top roller plunger
(D4B-3171N)

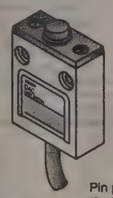

Adjustable rod lever
(D4B-3117N)

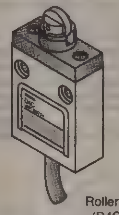
OMRON Limit and Safety Switches

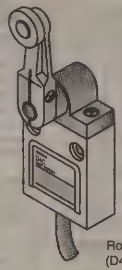
OMRON D4C SERIES: SLIM PRE-WIRED LIMIT SWITCHES

Specifications:
- Switching capacity: 5A @ 125 VAC
- Contact Configuration: SPDT
- Termination configuration: Plug-In
- Pre-wired with 3M (9.8ft.) of SJTO cable
- Mechanical Service Life: 10 million operations minimum
- Degree of protection: UL - 3, 4, 13; NEMA - 1, 3, 3R, 4, 5, 6, 12, 13; IEC 144 - IP67

Features:
- Rugged diecast housing
- Triple-sealed construction
- Designed for easy gang mounting
- Ideal for limited access areas


Pin plunger
(D4C-1601)


Roller plunger
(D4C-1602)


Roller lever
(D4C-1603)

For quantities of 50 and up, call for quote.

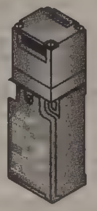
MOUSER STOCK NO.	Omron Part No.	Operating Force	Actuator Type	Price Each 1	10	25
653-D4C-1601	D4C-1601	1.2 kg	Pin plunger	62.05	59.94	58.08
653-D4C-1602	D4C-1602	1.2 kg	Roller plunger	62.05	59.94	58.08
653-D4C-1620	D4C-1620	580 g	Roller lever	75.96	73.38	71.10

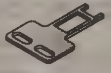
OMRON D4DS SERIES: MINIATURE SAFETY DOOR SWITCHES

Specifications:
- Switching capacity: 10A @ 125 VAC (Slow acting)
- Conduit Type: 1/2-1/4 NPT
- Degree of protection: IP67 (EN 60529); Type 4 (UL/CSA)
- Indoor use only
- Plastic body

Features:
- Compact and economical
- Entry points for insertion key on top and side
- Four unique head mounting positions
- Double insulation
- Protective insert for unused entry point

SUVA CNA INSAI


(D4DS-3AFS)
(D4DS-35FS)


Horizontal key
(D4DS-K1)

Vertical key
(D4DS-K1)

Adjustable
horizontal key
(D4DS-K3)

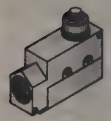
For quantities of 50 and up, call for quote.

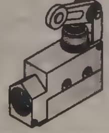
MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	10	25
653-D4DS-K1	D4DS-K1	Horizontal key	5.58	5.11	4.86
653-D4DS-K2	D4DS-K2	Vertical key	5.58	5.11	4.86
653-D4DS-K3	D4DS-K3	Adjustable horizontal key	19.20	18.55	17.97

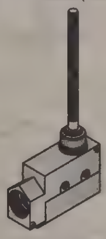
OMRON ZE SERIES: SIDE-MOUNTING ENCLOSED LIMIT SWITCHES

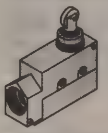
Specifications:
- Switching capacity: 15A @ 125 VAC
- Contact Configuration: SPDT
- Conduit Type: 1/2-1/4 NPT
- Mechanical Service Life: 10 million operations minimum
- Degree of protection: UL - 3, 4, 13; NEMA - 1, 2, 3, 4, 5, 6, 12, 13; IEC 144 - IP65

Features:
- Rugged diecast housing
- Sealed (booted) construction


Sealed pin plunger
(ZE-N-2S)


Sealed roller arm lever
(ZE-NA2-2S)


Sealed coil spring
(ZE-NJ-2S)


Sealed roller plunger
(ZE-N22-2S)

For quantities of 50 and up, call for quote.

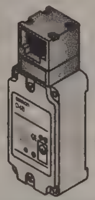
MOUSER STOCK NO.	Omron Part No.	Operating Force	Actuator Type	Price Each 1	10	25
653-ZE-N-2S	ZE-N-2S	800 g	Sealed pin plunger	36.56	35.32	34.22
653-ZE-NA2-2S	ZE-NA2-2S	640 g	Sealed roller arm lever	47.12	45.52	44.10
653-ZE-NJ-2S	ZE-NJ-2S	150 g	Sealed coil spring	48.15	46.51	45.07
653-ZE-N22-2S	ZE-N22-2S	500 g	Sealed roller plunger	48.92	47.26	45.79

OMRON D4BS SERIES: SAFETY DOOR SWITCHES

Specifications:
- Switching capacity: 10A @ 600 VAC
- Conduit Type: 1/2-1/4 NPT
- Degree of protection: IP67 (IEC 529)
- Mounting pitch and shape of switch box conforms to CENELEC EN50041

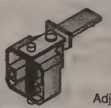
Features:
- Rugged diecast housing
- Entry points for insertion key on top and side
- Four unique head mounting positions
- Key pulls contacts apart
- Protective insert for unused entry point

SUVA CNA INSAI


(D4BS-3AFS)
(D4BS-35FS)

Horizontal key
(D4BS-K1)

Vertical key
(D4BS-K2)


Adjustable
horizontal key
(D4BS-K3)

For quantities of 50 and up, call for quote.

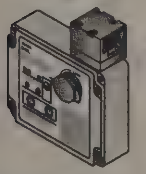
MOUSER STOCK NO.	Omron Part No.	Contact Configuration	Price Each 1	10	25
653-D4BS-3AFS	D4BS-3AFS	DPST 2NC	61.02	58.95	57.11
653-D4BS-35FS	D4BS-35FS	DPST 1NO/1NC	61.02	58.95	57.11
		Description			
653-D4BS-K1	D4BS-K1	Horizontal key	7.10	6.86	6.65
653-D4BS-K2	D4BS-K2	Vertical key	8.13	7.85	7.61
653-D4BS-K3	D4BS-K3	Adjustable horizontal key	25.23	24.37	23.62

OMRON D4BL SERIES: SAFETY DOOR LOCK SWITCHES

Specifications:
- Switching capacity: 10A @ 250 VAC
- Termination Configuration: Equipped with horizontal and vertical openings for 1/2-14 NPT conduit
- IP67 switch box enclosure rating (EN6059/IEC 529)
- Release voltage: D4BL -3CRA = 24 VDC
  D4BL -3CRB = 110 VAC

Features:
- This switch ensures that protected doors are locked until machine completely stops operation
- Dedicated release lock for easy maintenance and door-unlock at power failure
- Rugged aluminum diecast housing
- Four unique head mounting positions

SUVA CNA INSAI


(D4BL-3CRA)
(D4BL-3CRB)

Horizontal key
(D4BL-K1)

Vertical key
(D4BL-K2)

Adjustable
horizontal key
(D4BL-K3)

For quantities of 50 and up, call for quote.

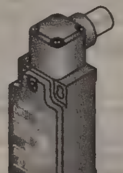
MOUSER STOCK NO.	Omron Part No.	Contact Configuration	Price Each 1	10	25
653-D4BL-3CRA	D4BL-3CRA	DPDB -1NC/1NO + DPDB - 1NC	347.11	335.31	324.89
653-D4BL-3CRB	D4BL-3CRB	DPDB -1NC/1NO + DPDB - 1NC	347.11	335.31	324.89
		Description			
653-D4BL-K1	D4BL-K1	Horizontal key	8.13	7.85	7.61
653-D4BL-K2	D4BL-K2	Vertical key	9.68	9.35	9.06
653-D4BL-K3	D4BL-K3	Adjustable horizontal key	25.23	24.37	23.62

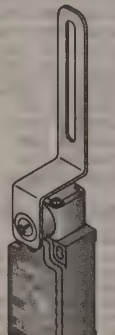
OMRON D4DH SERIES: SAFETY HINGED DOOR SWITCHES

Specifications:
- Switching capacity: 10A @ 125 VAC
- Conduit Type: 1/2-1/4 NPT
- IP67 polymer housing

Features:
- Double insulation structure
- Four unique head mounting positions

SUVA CNA INSAI


Shaft
(D4DH-35AS)


Arm lever
(D4DH-35BC)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Actuator Type	Contact Configuration	Price Each 1	10	25
653-D4DH-35BC	D4DH-35BC	Arm lever	DPST 1NO/1NC	83.49	80.63	78.13

OMRON Frequency Relays

OMRON
ELECTRONIC COMPONENTS

RoHS Compliant **This page of product is compliant.**

OMRON G6Y SERIES: 900MHZ SPDT HIGH FREQUENCY RELAYS

Features:
- Ideal for cable TV, HDTV, cellular, satellite communications, VCRs
- Fully sealed construction
- Form, fit, and function replacement to G5Y relay with improved characteristics

Specifications:
- Insertion loss: 0.5dB max. @ 900MHz
- Max. carry power: 10W
- Power consumption: 200mW
- Contact Rating: .5A

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
653-G6Y-1-DC4.5	G6Y-1-DC4.5	A1	45 mA	4.5	112	4.58	3.66	3.29	3.11
653-G6Y-1-DC5	G6Y-1-DC5	A1	40 mA	5	125	4.58	3.66	3.29	3.11
653-G6Y-1-DC12	G6Y-1-DC12	A1	16.7 mA	12	720	4.23	3.39	3.05	2.88
653-G6Y-1-DC24	G6Y-1-DC24	A1	8.3 mA	24	2880	5.38	4.30	3.87	3.66

OMRON G6K-RF SERIES: 1GHZ DPDT COMPACT HIGH FREQ. RELAYS

Features:
- Ideal for instrumentation and high-speed LAN network equipment
- Gull-wing surface mount terminals
- Handles 1A, 30VDC and 1W @ 1GHz high frequency load

Specifications:
- Insertion loss: 0.2dB max. @ 1GHz
- Max. transmission capacity: 3W
- Rated power consumption: 100mV

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	10	25	50
653-G6K-2F-RF-DC3	G6K-2F-RF-DC3	B2	33 mA	3	91	29.73	23.78	21.40	20.21
653-G6K-2F-RF-DC4.5	G6K-2F-RF-DC4.5	B2	23.2 mA	4.5	194	25.30	20.24	18.22	17.20
653-G6K-2F-RF-DC5	G6K-2F-RF-DC5	B2	21.1 mA	5	237	25.30	20.24	18.22	17.20
653-G6K-2F-RF-DC12	G6K-2F-RF-DC12	B2	9.1 mA	12	1315	25.30	20.24	18.22	17.20

OMRON G6W SERIES: 5 GHZ SPDT MINIATURE HIGH FREQ. RELAYS

Features:
- Applications include mobile phone base station, wireless LAN, and measurement devices.
- Y-shape terminal arrangement simplifies wiring to PCBs
- Fully sealed construction

Specifications:
- Insertion loss: 0.4 dB max. @ 5GHz
- Power consumption: 200mW
- Rated carry current: 0.5A
- Single-side stable function

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	10	25	50
PCB Thru-hole									
653-G6W-1F-DC4.5	G6W-1F-DC4.5	C3	44.4 mA	4.5	101	141.75	135.00	121.50	108.00
653-G6W-1F-DC12	G6W-1F-DC12	C3	16.7 mA	12	720	111.04	105.75	95.18	84.60
653-G6W-1F-DC24	G6W-1F-DC24	C3	8.3 mA	24	2880	141.75	135.00	121.50	108.00
Surface Mount									
653-G6W-1P-DC4.5	G6W-1P-DC4.5	D4	44.4 mA	4.5	101	141.75	135.00	121.50	108.00
653-G6W-1P-DC12	G6W-1P-DC12	D4	16.7 mA	12	720	111.04	105.75	95.18	84.60
653-G6W-1P-DC24	G6W-1P-DC24	D4	8.3 mA	24	2880	141.75	135.00	121.50	108.00

OMRON G6Z SERIES: 2.6 GHZ SPDT SURFACE MOUNT HIGH FREQUENCY RELAYS

Features:
- Non-latching
- Fully sealed construction
- Isolation: E-shape-30dB min @ 2.6GHz
  Y-shape-40dB min @ 2.6GHz

Specifications:
- Insertion loss: 75Ω - 0.5dB @ 2.6GHz; 50Ω - 0.3dB @ 2.6GHz
- Power consumption: 200mW
- Rated carry current: 0.5A

Packaged in tubes of 25 pcs.
Also available on tape and reel or in through-hole.
Contact Mouser for these options.

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res.	Price Each			
						1	25	50	100
E-Shape Terminals, 75Ω Impedance									
653-G6Z-1FE-DC3	G6Z-1FE-DC3	E5	66.7	3	45	4.55	4.14	3.64	3.33
653-G6Z-1FE-DC4.5	G6Z-1FE-DC4.5	E5	44.4	4.5	101.3	5.34	4.87	4.27	3.92
653-G6Z-1FE-DC5	G6Z-1FE-DC5	E5	40.0	5	125	4.55	4.14	3.64	3.33
653-G6Z-1FE-DC9	G6Z-1FE-DC9	E5	22.2	9	405	5.34	4.87	4.27	3.92
653-G6Z-1FE-DC12	G6Z-1FE-DC12	E5	16.7	12	720.4	5.57	5.07	4.45	4.08
E-Shape Terminals, 50Ω Impedance									
653-G6Z-1FE-A-DC3	G6Z-1FE-A-DC3	E5	66.7	3	45	5.78	5.27	4.63	4.24
653-G6Z-1FE-A-DC4.5	G6Z-1FE-A-DC4.5	E5	44.4	4.5	101.3	4.92	4.49	3.94	3.61
653-G6Z-1FE-A-DC5	G6Z-1FE-A-DC5	E5	40.0	5	125	4.92	4.49	3.94	3.61
653-G6Z-1FE-A-DC9	G6Z-1FE-A-DC9	E5	22.2	9	405	5.78	5.27	4.63	4.24
653-G6Z-1FE-A-DC12	G6Z-1FE-A-DC12	E5	16.7	12	720.4	4.92	4.49	3.94	3.61
653-G6Z-1FE-A-DC24	G6Z-1FE-A-DC24	E5	8.3	24	2880.1	5.79	5.27	4.63	4.24
Y-Shape Terminals, 75Ω Impedance									
653-G6Z-1F-DC3	G6Z-1F-DC3	E6	66.7	3	45	5.57	5.07	4.45	4.08
653-G6Z-1F-DC4.5	G6Z-1F-DC4.5	E6	44.4	4.5	101.3	5.56	5.07	4.45	4.08
653-G6Z-1F-DC5	G6Z-1F-DC5	E6	40.0	5	125	5.57	5.07	4.45	4.08
653-G6Z-1F-DC9	G6Z-1F-DC9	E6	22.2	9	405	5.57	5.07	4.45	4.08
653-G6Z-1F-DC12	G6Z-1F-DC12	E6	16.7	12	720.4	4.92	4.49	3.94	3.61

OMRON G9YA - HIGH FREQUENCY, HIGH CAPACITY COAXIAL SWITCHES

Features:
- Superior high-frequency characteristics, such as an isolation of 60 dB min. (26.5 GHz), insertion loss of 0.8 dB max., & V.SWR of 1.7 max. at 26.5 GHz (50 Ω).
- High sensitivity with rated power consumption of 700 mW for failsafe models and 500 mW for dual coil latching models.
- Models with TTL-driven dual coil latching and indicator terminals are available.

Specifications:
- Relay Function: Failsafe
- Terminals: Solder
- Impedence: 50 ohms
- Contact Form: SPDT
- Frequency Bandwidth: To 26.5 GHz
- Contact Carry: 120W@ 3GHz

RoHS Compliant

For quantities greater than listed, call for quote.

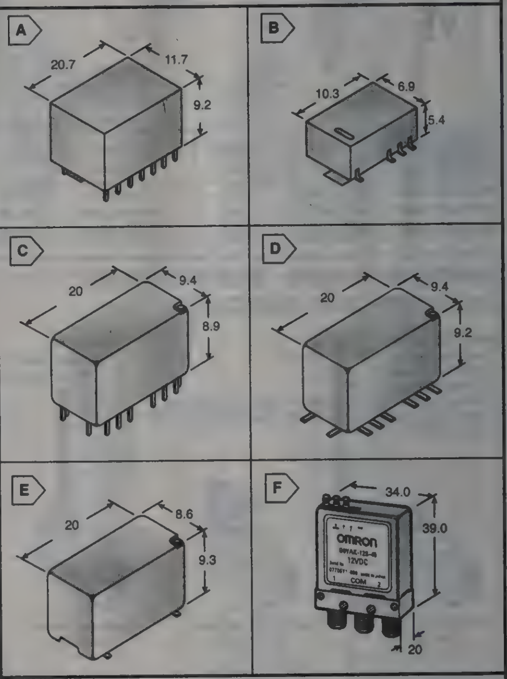
MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Current	Coil VDC	Price Each
653-G9YA-DC4.5	G9YA-12S-45-DC4.5	F	4.5 VDC	155.2mA	847.42
653-G9YA-DC12	G9YA-12S-45-DC12	F	12 VDC	58.5mA	830.24
653-G9YA-DC24	G9YA-12S-45-DC24	F	24 VDC	29.2mA	830.24

Meet the growing demand for wireless communication with Omron's new RF relays. The G6K-RF, G6Z, G6Y, and G6W are the smallest relays of their type on the market!

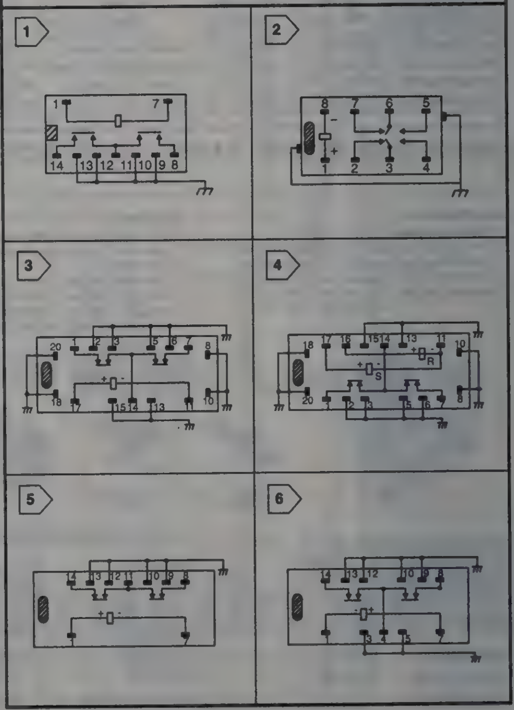
Features:
- Low power consumption
- Good isolation characteristics
- G6Z's characteristic impedance allows it to work at both 50Ω and 75Ω, which provides versatility & ease of use for varying design needs
- G6Z and G6W feature both a "Y" & "E" input/output arrangement that provides designers the ability to lay out a PC board without the need for extra tracings & patterns.

Applications:
- Wireless infrastructure equipment
  - Filter and duplex switching
  - Antenna switching
  - Amplifiers
- G6Z and G6Y may also be used in cable TV boxes & satellite equipment
- G6K-RF is ideal for instrumentation and high-speed LAN networks

DIMENSIONS: mm



TERMINAL ARRANGEMENT



TELEDYNE RF, General Purpose Centigrid & TO-5 Relays

TELEDYNE RELAYS
A Teledyne Technologies Company

RoHS Compliant This page of product is compliant.

GRF SERIES SURFACE MOUNT RF RELAYS

GRF100/103 Series

Features:
- GRF100/103 Series surface mount RF relays are designed to provide excellent RF signal repeatability.
- Repeatability = ±0.1dB

* High sensitivity

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-GRF100-5	GRF100-5	A	5V	DC-6GHz	0.10W	46.92	40.57
881-GRF100-12	GRF100-12	A	12V	DC-6GHz	0.10W	46.92	40.57
* 881-GRF103-5	GRF103-5	A	5V	DC-6GHz	0.10W	49.15	42.52
* 881-GRF103-12	GRF103-12	A	12V	DC-6GHz	0.10W	49.15	42.52

GRF172 Series

Features:
- GRF172 Series surface mount RF relays are designed to provide excellent RF signal repeatability.

† With internal diode

RoHS Compliant

For quantities of 50 and up, call for quote.

881-GRF172-5	GRF172-5	A	5V	DC-6GHz	0.15W	27.26	22.40
881-GRF172-12	GRF172-12	A	12V	DC-6GHz	0.15W	27.26	22.40
† 881-GRF172D-5	GRF172D-5	A	5V	DC-6GHz	0.15W	29.02	24.16
† 881-GRF172D-12	GRF172D-12	A	12V	DC-6GHz	0.15W	29.02	24.16

GRF300/303 Series

Features:
- GRF300/303 Series surface mount RF relays are designed to provide excellent RF signal repeatability.
- Repeatability = ±0.1dB

* High sensitivity

RoHS Compliant

For quantities of 50 and up, call for quote.

881-GRF300-5	GRF300-5	B	5V	DC-6GHz	0.10W	50.33	44.04
881-GRF300-12	GRF300-12	B	12V	DC-6GHz	0.10W	50.33	44.04
* 881-GRF303-5	GRF303-5	B	5V	DC-6GHz	0.10W	52.57	45.98
* 881-GRF303-12	GRF303-12	B	12V	DC-6GHz	0.10W	52.57	45.98

GRF SERIES HIGH ISOLATION LATCHING RELAYS

GRF180 Series

Features:
- GRF180 Series DPDT magnetic latching relays are designed to optimize isolation across contacts @4GHz Isolation = 36dB, Insertion Loss = 0.38dB, VSWR = 1.20:1

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-GRF180-5	GRF180-5	C	5V	DC-6GHz	0.15W	52.54	49.64
881-GRF180-12	GRF180-12	C	12V	DC-6GHz	0.15W	52.54	49.64

GRF342 Series

Features:
- GRF342 Series DPDT magnetic latching relays are designed to optimize isolation across contacts @4GHz Isolation = 36dB, Insertion Loss = 0.38dB, VSWR = 1.20:1

RoHS Compliant

For quantities of 50 and up, call for quote.

881-GRF342-5	GRF342-5	D	5V	DC-6GHz	0.15W	68.70	60.10
881-GRF342-12	GRF342-12	D	12V	DC-6GHz	0.15W	68.70	60.10

DPDT GENERAL PURPOSE CENTIGRID AND TO-5 RELAYS

Features:
- Hermetically sealed
- Surface mount (S172 Series)
- Gold-plated contacts
- Dry circuit to 1A, 28VDC
- Superb RF performance, DC to 1GHz

† With internal diode   * With internal transistor driver.

RoHS Compliant

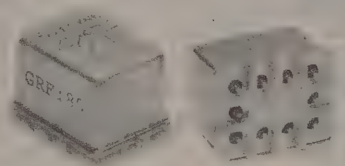
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-172-12	172-12	E	12V	DC-1GHz	0.15W	23.99	19.36
881-172-26	172-26	E	26V	DC-1GHz	0.15W	23.99	19.36
881-172-5	172-5	E	5V	DC-1GHz	0.15W	23.99	19.36
† 881-172D-12	172D-12	E	12V	DC-1GHz	0.15W	25.71	21.09
† 881-172D-26	172D-26	E	26V	DC-1GHz	0.15W	25.71	21.09
881-172D-5	172D-5	E	5V	DC-1GHz	0.15W	25.71	21.09
† 881-172DM4-12	172DM4-12	E	12V	DC-1GHz	0.15W	26.42	21.80
† 881-172DM4-26	172DM4-26	E	26V	DC-1GHz	0.15W	26.42	21.80
881-172M4-5	172M4-5	E	5V	DC-1GHz	0.15W	24.68	20.06
881-712-12	712-12	F	12V	DC-1GHz	0.15W	20.29	20.18
881-712-26	712-26	F	26V	DC-1GHz	0.15W	20.29	20.18
881-712-5	712-5	F	5V	DC-1GHz	0.15W	20.29	20.18
† 881-712D-12	712D-12	F	12V	DC-1GHz	0.15W	22.02	21.91
† 881-712D-26	712D-26	F	26V	DC-1GHz	0.15W	22.02	21.91
881-712D-5	712D-5	F	5V	DC-1GHz	0.15W	22.02	21.91
† 881-712DY-12	712DY-12	F	12V	DC-1GHz	0.15W	23.83	23.71
*† 881-712TN-5	712TN-5	F	5V	DC-1GHz	0.15W	24.05	23.95
Magnetic Latching							
881-722-12	722-12	F	12V	DC-1GHz	0.15W	56.23	53.48
881-722-26	722-26	F	26V	DC-1GHz	0.15W	56.23	53.48
881-722-5	722-5	F	5V	DC-1GHz	0.15W	56.23	53.48
High Sensitivity							
881-732-12	732-12	F	12V	DC-1GHz	0.15W	21.57	21.46
881-732-5	732-5	F	5V	DC-1GHz	0.15W	21.57	21.46
† 881-732D-12	732D-12	F	12V	DC-1GHz	0.15W	23.30	23.18
† 881-732D-5	732D-5	F	5V	DC-1GHz	0.15W	23.30	23.18
*† 881-732TN-5	732TN-5	F	5V	DC-1GHz	0.15W	25.36	25.26
*† 881-732TN-12	732TN-12	F	12V	DC-1GHz	0.15W	25.36	25.26
Surface Mount							
881-S172-12	S172-12	G	12V	DC-1GHz	0.15W	25.07	20.45
881-S172-5	S172-5	G	5V	DC-1GHz	0.15W	25.07	20.45
† 881-S172D-12	S172D-12	G	12V	DC-1GHz	0.15W	29.47	24.39
† 881-S172D-26	S172D-26	G	26V	DC-1GHz	0.15W	29.47	24.39
† 881-S172D-5	S172D-5	G	5V	DC-1GHz	0.15W	29.47	24.39

A

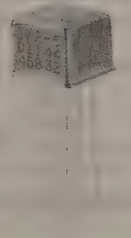
B

C

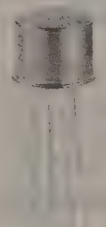


D

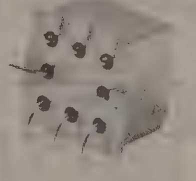
E



F



G



TELEDYNE RF, General Purpose Centigrid & TO-5 Relays

TELEDYNE RELAYS
A Teledyne Technologies Company

RoHS Compliant **This page of product is compliant.**

RF180 SERIES HIGH ISOLATION LATCHING RELAYS

Features:
- RF180 Series DPDT magnetic latching relays are designed to optimize isolation across contacts @4GHz Isolation = 30dB, Insertion Loss = 0.38dB, VSWR = 1.20:1

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-RF180-5	RF180-5	A	5V	DC-6GHz	0.15W	48.89	46.41
881-RF180-12	RF180-12	A	12V	DC-6GHz	0.15W	48.89	46.41
881-RF180-26	RF180-26	A	26V	DC-6GHz	0.15W	48.89	46.41

RF100/103 SERIES HIGH REPEATABILITY CENTIGRID® RELAYS

Features:
- RF100/103 Series DPDT high repeatability broadband relays are designed to provide improved RF signal repeatability over the frequency range.

* High Sensitivity

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-RF100-5	RF100-5	B	5V	DC-4GHz	0.10W	43.25	37.32
* 881-RF103-12	RF103-12	B	12V	DC-4GHz	0.10W	45.49	39.27
* 881-RF103-5	RF103-5	B	5V	DC-4GHz	0.10W	45.49	39.27

RF300/303 SERIES HIGH REPEATABILITY TO-5 RELAYS

Features:
- RF300/303 Series DPDT high repeatability broadband relays are designed to provide improved RF signal repeatability over the frequency range.

* High Sensitivity

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-RF300-12	RF300-12	C	12V	DC-3GHz	0.15W	45.62	39.74
881-RF300-5	RF300-5	C	5V	DC-3GHz	0.15W	45.62	39.74
* 881-RF303-12	RF303-12	C	12V	DC-3GHz	0.15W	47.85	41.68
* 881-RF303-5	RF303-5	C	5V	DC-3GHz	0.15W	47.85	41.68

RF313 SERIES HIGH REPEATABILITY, NORMALLY CLOSED BYPASS RF RELAYS

Features:
- RF313 Series normally closed high repeatability broadband relays are designed with an internal bypass to provide low insertion loss and VSWR through the bypass.

* High Sensitivity

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
* 881-RF313-12	RF313-12	D	12V	DC-3GHz	0.15W	50.28	44.00
* 881-RF313-5	RF313-5	D	5V	DC-3GHz	0.15W	50.28	44.00

412H/422H SERIES HI-TEMPERATURE, HI-PERFORMANCE TO-5 RELAY

Features:
- 412H/422H Series DPDT high-performance, high-temperature relays are designed for reliable operation in elevated ambient temperatures up to 200°C.

For quantities of 50 and up, call for quote.

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-412H-12	412H-12	E	12V	DC-1GHz	390	51.57	45.73
881-412H-26	412H-26	E	26V	DC-1GHz	1560	51.57	45.73
881-412H-5	412H-5	E	5V	DC-1GHz	50	51.57	45.73
881-422H-12	422H-12	E	12V	DC-1GHz	500	92.47	88.42
881-422H-26	422H-26	E	26V	DC-1GHz	2000	92.47	88.42

A150 SERIES ULTRAMINIATURE BROADBAND ATTENUATOR RELAY

Features:
- A150 Series ultraminiature attenuator relays are designed for attenuating RF signals in 50-ohm systems over a frequency range from DC-3GHz.

For quantities of 50 and up, call for quote.

RoHS Compliant

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
881-A150-20-5	A150-20-5	F	5V	DC-3GHz	50	69.91	60.86

S114 SERIES DPDT CENTIGRID® SMT RF RELAYS

Features:
- All welded construction
- High force/mass ratios

* With internal diode

†With internal diode and polarity reversal protection

RoHS Compliant

For quantities of 50 and up, call for quote.

881-S114-26	S114-26	G	26.5 V	1560	- - - - -	38.37	34.32
881-S114-5	S114-5	G	5 V	50	- - - - -	38.37	34.32
* 881-S114D-12	S114D-12	G	12 V	390	- - - - -	40.28	36.23
* 881-S114D-26	S114D-26	G	26.5 V	1560	- - - - -	40.28	36.23
* 881-S114D-5	S114D-5	G	5 V	50	- - - - -	40.28	36.23
† 881-S114DD-5	S114DD-5	G	5 V	39	93.2-128-2 mAdc	41.31	37.26

S134 SERIES DPDT SENSITIVE CENTIGRID® SMT RF RELAYS

Features:
- All welded construction
- High force/mass ratios

* With internal diode

RoHS Compliant

For quantities of 50 and up, call for quote.

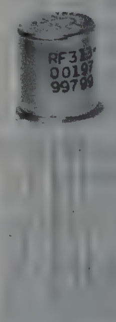
MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Coil Res. (Ω)	Price Each	
						1	25
* 881-S134D-12	S134D-12	H	12 V	800	- - - - -	42.76	38.36
* 881-S134D-26	S134D-26	H	26.5 V	3200	- - - - -	42.76	38.36
* 881-S134D-5	S134D-5	H	5 V	100	- - - - -	42.76	38.36

A

B

C

D



E

F

G

H

TELEDYNE RF General Purpose Centigrid & TO-5 Relays

TELEDYNE RELAYS
A Teledyne Technologies Company

SERIES 114 DPDT CENTRIGRID® RF RELAYS

RoHS Compliant **This page of product is compliant.**

Features:
- All welded construction
- High force/mass ratios

◆ With internal diode
✱ M4 pad included
† With internal diode and polarity reversal protection

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
T²R® Established Reliability								
881-ER114-26A	ER114-26A	A	26.5V	1560	------	A	35.48	31.62
◆ 881-ER114D-5A	ER114D-5A	A	5V	50	------	A	37.31	33.45
Military Qualified								
881-J114-26PM	J114-26PM	A	26.5V	1560	------	M	56.33	50.22
◆ 881-J114D-26M	J114D-26M	A	26.5V	1560	------	M	58.62	52.39
✱† 881-J114DDM4-26L	J114DDM4-26L	A	26.5V	1560	14.8-18.5 mAdc	L	60.34	54.11
✱† 881-J114DDM4-26M	J114DDM4-26M	A	26.5V	1560	14.8-18.5 mAdc	M	60.34	54.11

SERIIES 116C DPDT CENTIGRID® CMOS COMPATIBLE RF RELAYS

Features:
- All welded construction
- High force/mass ratios
- Internal MOSFET driver, Zener diode gate protection, & diode coil suppression
- **Military Qualified**

✱ M9 pad included

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
881-J116C-5M	J116C-5M	B	5V	------	132.3-96.5 mAdc	M	77.20	68.67
✱ 881-J116CM9-12M	J116CM9-12M	B	12V	------	36.1-24.9 mAdc	M	77.92	69.39
✱ 881-J116CM9-5M	J116CM9-5M	B	5V	------	132.3-96.5 mAdc	M	77.92	69.39

SERIES 134 DPDT SENSITIVE RF RELAYS

Features:
- All welded construction
- High force/mass ratios
- Internal diode
- **Military Qualified**

✱ M4 pad included

RoHS Compliant

For quantities of 50 and up, call for quote.

881-J134D-12M	J134D-12M	C	12 V	800	------	M	61.53	54.87
881-J134D-26M	J134D-26M	C	26.5 V	3200	------	M	61.53	54.87
✱ 881-J134DM4-26M	J134DM4-26M	C	26.5 V	3200	------	M	62.25	55.59
✱ 881-J134DM4-5M	J134DM4-5M	C	5 V	100	------	M	62.25	55.59

SERIES 136C DPDT CENTIGRID® SENSITIVE CMOS COMPATIBLE RF RELAY

Features:
- All welded construction
- High force/mass ratios
- **Military Qualified**
- High Sensitivity

✱ M9 pad included

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
✱ 881-J136CM9-5M	J136CM9-5M	C	5 V	----	56-43 mAdc	M	84.33	76.04

SERIES 411 SPDT TO-5 RELAYS

Features:
- All welded construction
- High force/mass ratios

†† With internal transistor driver and coil transient suppression diode

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
881-J411-26WL	J411-26WL	D	26.5 V	2000	------	L	61.49	55.26
†† 881-J411T-5M	J411T-5M	D	5 V	63	66.6-89.6 mAdc	M	60.29	54.69

SERIES 412 DPDT TO-5 RELAYS

Features:
- All welded construction
- High force/mass ratios

◆ With internal diode
† With internal diode and polarity reversal protection
✱✱ With Y ground pin included

RoHS Compliant

For quantities of 50 and up, call for quote.

T²R® Established Reliability								
881-ER412-12A	ER412-12A	E	12 V	390	------	A	35.60	31.62
881-ER412-26A	ER412-26A	E	26.5 V	1560	------	A	35.60	31.62
881-ER412-5A	ER412-5A	E	5 V	50	------	A	35.60	31.62
✱✱ 881-ER412YM-26A/SQ	ER412YM-26A/SQ	E	26.5 V	1560	------	A	41.83	39.21
Military Qualified								
881-J412-26L	J412-26L	E	26.5 V	1560	------	L	56.69	50.46
881-J412-26M	J412-26M	E	26.5 V	1560	------	M	56.69	50.46
881-J412-26WM	J412-26WM	E	26.5V	1560	------	M	61.49	55.26
◆ 881-J412D-12M	J412D-12M	E	12 V	390	------	M	58.62	52.39
◆ 881-J412D-26M	J412D-26M	E	26.5 V	1560	------	M	58.62	52.39
† 881-J412DD-26M	J412DD-26M	E	26.5V	1560	14.8-18.5 mAdc	M	59.62	53.39

SERIES 422 DPDT MAGNETIC-LATCHING TO-5 RELAY

Features:
- All welded construction
- High force/mass ratios
- **T²R® Established Reliability**

† With internal diode and polarity reversal protection

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Coil Res. (Ω)	Coil Current Range	Screening & Reliability Level	Price Each	
							1	25
† 881-ER422DD-12A	ER422DD-12A	F	12 V	500	20-25 mAdc	A	97.75	86.83

SERIES 432 DPDT SENSITIVE TO-5 RELAYS

Features:
- All welded construction
- High force/mass ratios

◆ With internal diode
†† With internal transistor driver and coil transient suppression diode

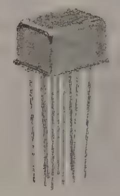
RoHS Compliant

For quantities of 50 and up, call for quote.

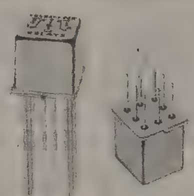
T²R® Established Reliability								
881-ER432-12A	ER432-12A	G	12 V	850	------	A	40.26	35.83
881-ER432-26A	ER432-26A	G	26.5 V	3300	------	A	40.26	35.83
◆ 881-ER432D-5A	ER432D-5A	G	5 V	100	------	A	42.07	37.64
Military Qualified								
881-J432-12M	J432-12M	G	12 V	850	------	M	62.44	55.54
†† 881-J432T-5L	J432T-5L	G	5 V	100	43.5-59.3 mAdc	L	66.67	59.77

A

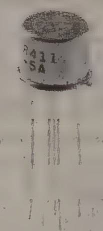
B



C

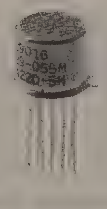


D



E

F



G

TELEDYNE RF and Microwave Coaxial Switches

RoHS Compliant **This page of product is compliant.**

CCR SERIES - COMMERCIAL SWITCHES

- Models with indicator contacts, TTL drivers, and other options are available.

RoHS Compliant

CCR-33 SPDT Coaxial Switches

- Operate from DC-18GHz @18GHZ Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
Failsafe									
881-CCR-33S1O	CCR-33S1O	A	28V Failsafe	DC-18GHz	SPDT	SMA	No	----	98.00
881-CCR-33S1O-N	CCR-33S1O-N	A	28V Failsafe	DC-18GHz	SPDT	SMA	No	Narrow body	100.00
881-CCR-33S1C	CCR-33S1C	A	28V Failsafe	DC-18GHz	SPDT	SMA	Yes	----	133.00
881-CCR-33S2O	CCR-33S2O	A	15V Failsafe	DC-18GHz	SPDT	SMA	No	----	110.00
881-CCR-33S3O	CCR-33S3O	A	12V Failsafe	DC-18GHz	SPDT	SMA	No	----	110.00
881-CCR-33S3O-N	CCR-33S3O-N	A	12V Failsafe	DC-18GHz	SPDT	SMA	No	Narrow body	113.00
881-CCR-33S3C	CCR-33S3C	A	12V Failsafe	DC-18GHz	SPDT	SMA	Yes	----	133.80
881-CCR-33S3C-N	CCR-33S3C-N	A	12V Failsafe	DC-18GHz	SPDT	SMA	Yes	Narrow body	145.00
Latching									
881-CCR-33S6O	CCR-33S6O	A	28V Latching	DC-18GHz	SPDT	SMA	No	----	98.00
881-CCR-33S6E-T	CCR-33S6E-T	A	28V Latching	DC-18GHz	SPDT	SMA	Yes	TTL driver	195.00
881-CCR-33S6O-N	CCR-33S6O-N	A	28V Latching	DC-18GHz	SPDT	SMA	No	Narrow body	101.00
881-CCR-33S6O-T	CCR-33S6O-T	A	28V Latching	DC-18GHz	SPDT	SMA	No	TTL driver	130.00
881-CCR-33S7O-T	CCR-33S7O-T	A	15V Latching	DC-18GHz	SPDT	SMA	No	TTL driver	142.50
881-CCR-33S6C	CCR-33S6C	A	28V Latching	DC-18GHz	SPDT	SMA	Yes	----	133.00
881-CCR-33S8O	CCR-33S8O	A	12V Latching	DC-18GHz	SPDT	SMA	No	----	110.00
881-CCR-33S8O-R	CCR-33S8O-R	A	12V Latching	DC-18GHz	SPDT	SMA	No	Pos + Com	110.00
881-CCR-33S8C	CCR-33S8C	A	12V Latching	DC-18GHz	SPDT	SMA	Yes	----	148.00
881-CCR-33S8C-T	CCR-33S8C-T	A	12V Latching	DC-18GHz	SPDT	SMA	Yes	TTL driver	177.50

CCR-33M Series SPDT Coaxial Switches

- Operate from DC-3GHz @3GHZ Isolation = 70dB, Insertion Loss = 0.3dB, VSWR = 1.30:1

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CCR-33M1O	CCR-33M1O	A	28V Failsafe	DC-3GHz	SPDT	SMB	No	----	115.00
881-CCR-33M8O	CCR-33M8O	A	12V Latching	DC-3GHz	SPDT	SMB	No	----	127.50

CCR-38 Series Multi-Throw Coaxial Switches

- Operate from DC-18GHz. @18GHZ Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

881-CCR-38S14O	CCR-38S14O	B	28V N.O.	DC-18GHz	SP4T	SMA	No	----	375.00
881-CCR-38S16O	CCR-38S16O	B	28V N.O.	DC-18GHz	SP6T	SMA	No	----	425.00

CCR-58 Series Multi-Throw Coaxial Switch

- Operate from DC-26.5GHz. @26.5GHZ Isolation = 50dB, Insertion Loss = 0.8dB, VSWR = 1.80:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CCR-58S26C	CCR-58S26C	B	15V N.O.	DC-26.5GHz	SP6T	SMA	Yes	----	550.00

CCRT-33 Series SPDT Coaxial Swtiches with Internal Terminations

- Operate from DC-18GHz @18GHZ Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CCRT-33S1O	CCRT-33S1O	C	28V Failsafe	DC-18GHz	SPDT	SMA	No	----	524.50
881-CCRT-33S6O	CCRT-33S6O	C	28V Latching	DC-18GHz	SPDT	SMA	No	----	549.50
881-CCRT-33S6O-T	CCRT-33S6O-T	C	28V Latching	DC-18GHz	SPDT	SMA	No	TTL driver	603.00

CCS-37 Series Minature Transfer Coaxial Switches

- Operate from DC-18GHz @18GHZ Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

For quantities greater than listed, call for quote.

881-CCS-37S2C	CCS-37S2C	D	15V Failsafe	DC-18GHz	SPDT	SMA	Yes	----	275.00
881-CCS-37S6O	CCS-37S6O	D	28V Latching	DC-18GHz	SPDT	SMA	No	----	235.00

CR SERIES - ELITE SWITCHES

- Models with indicator contacts, TTL drivers, and other options are available.

RoHS Compliant

CR-33 Series SPDT Failsafe/Latching Coaxial Switches

- Operate from DC-22GHz and offer an expanded temperature range @22GHZ Isolation = 50dB, Insertion Loss = 0.6dB, VSWR = 1.60:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CR-33S1O	CR-33S1O	A	28V Failsafe	DC-22GHz	SPDT	SMA	No	----	123.00
881-CR-33S1O-N	CR-33S1O-N	A	28V Failsafe	DC-22GHz	SPDT	SMA	No	Narrow body	126.00
881-CR-33S1C	CR-33S1C	A	28V Failsafe	DC-22GHz	SPDT	SMA	Yes	----	166.00
881-CR-33S3C	CR-33S3C	A	12V Failsafe	DC-22GHz	SPDT	SMA	Yes	----	166.75
881-CR-33S8C	CR-33S8C	A	12V Latching	DC-22GHz	SPDT	SMA	Yes	----	181.00

CR-38 Series Multi-Throw Coaxial Switches

- Operate from DC-22GHz and offer an expanded temperature range @22GHZ Isolation = 50dB, Insertion Loss = 0.6dB, VSWR = 1.80:1.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CR-38S13O	CR-38S13O	B	28V N.O.	DC-22GHz	SP3T	SMA	No	----	438.00
881-CR-38S16O	CR-38S16O	B	28V N.O.	DC-22GHz	SP6T	SMA	No	----	531.00

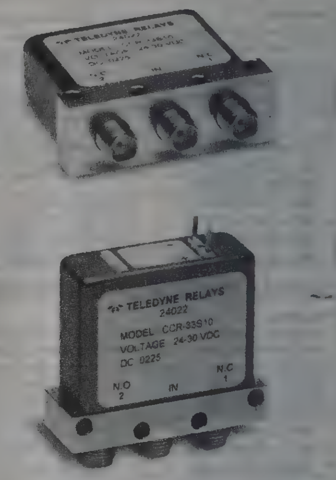
CS-37 Series Minature Transfer Coaxial Switch

- Operate from DC-18GHz @18GHZ Isolation = 60dB, Insertion Loss = 0.5dB, VSWR = 1.50:1.

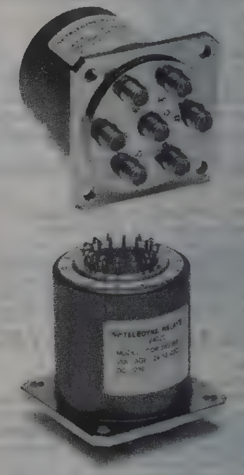
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Coil Voltage	Frequency	Type	Connector	Indicator Contacts	Features	Price Each
881-CS-37S1O	CS-37S1O	D	28V Failsafe	DC-18GHz	SPDT	SMA	No	----	281.25

A



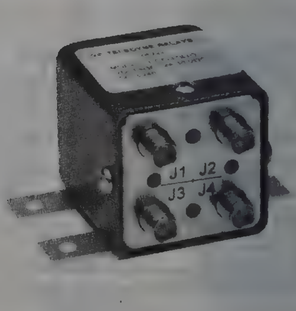
B



C

TELEDYNE RELAYS
MODEL CCRT-33S3C T
VOLTAGE 12 VDC
DC 0414
COM
N.O
2
N.C

D



AXICOM Low Signal Relays

RoHS Compliant This page of product is compliant.

Tyco Electronics Authorized Distributor

AXICOM IM SERIES: LOW PROFILE 2A POLARIZED LOW SIGNAL RELAYS

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Surface mount product tape and reel packaging
- Contact material: Palladium-ruthenium, gold-covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection

RoHS Compliant

UL Recognized File No. E111441

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	25	50	100
Non-latching										
655-IM03TS	IM03TS	A1	5	Through-hole	140mW	178	2.83	2.54	2.26	2.03
655-IM06TS	IM06TS	A1	12	Through-hole	140mW	1028	2.83	2.54	2.26	2.03
655-IM07TS	IM07TS	A1	24	Through-hole	200mW	2440	3.73	3.35	2.98	2.68
655-IM03GR	IM03GR	B1	5	SMD Gull Wing	140mW	178	3.18	2.86	2.54	2.29
655-IM06GR	IM06GR	B1	12	SMD Gull Wing	140mW	1028	3.50	3.15	2.80	2.52
655-IM07GR	IM07GR	B1	24	SMD Gull Wing	200mW	2440	2.21	2.03	1.92	1.84
Single-coil latching										
655-IM43TS	IM43TS	A2	5	Through-hole	100mW	250	3.28	2.95	2.62	2.36
655-IM46TS	IM46TS	A2	12	Through-hole	100mW	1028	3.70	3.33	2.96	2.66
655-IM47TS	IM47TS	A2	24	Through-hole	100mW	2440	4.75	4.28	3.80	3.42
655-IM43GR	IM43GR	B2	5	SMD Gull Wing	100mW	250	3.55	3.20	2.84	2.56
655-IM46GR	IM46GR	B2	12	SMD Gull Wing	100mW	1028	3.98	3.58	3.18	2.86
655-IM47GR	IM47GR	B2	24	SMD Gull Wing	100mW	2440	5.15	4.64	4.12	3.71

Tyco Electronics Authorized Distributor

AXICOM P2 (V23079): SLIM CASE 5A POLARIZED LOW SIGNAL RELAYS

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 5A
- Surface mount product tape and reel packaging
- Contact material: Silver nickel, gold-covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection

RoHS Compliant

UL Recognized File No. E111441

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	25	50	100
Non-latching										
655-V23079A1001B301	V23079A1001B301	C3	5	Through-hole	140 mW	178	2.23	2.00	1.78	1.60
655-V23079A1003B301	V23079A1003B301	C3	12	Through-hole	140 mW	1029	2.23	2.00	1.78	1.60
655-V23079A1005B301	V23079A1005B301	C3	24	Through-hole	140 mW	4114	2.43	2.18	1.94	1.75
655-V23079D1003B301	V23079D1003B301	D3	12	SMD long pins	140 mW	1029	2.45	2.21	1.96	1.76
655-V23079D1005B301	V23079D1005B301	D3	24	SMD long pins	140 mW	4114	2.68	2.41	2.14	1.93
Single-coil latching										
655-V23079C1101B301	V23079C1101B301	C4	5	Through-hole	70mW	357	2.33	2.10	1.86	1.68
655-V23079C1103B301	V23079C1103B301	C4	12	Through-hole	70mW	2057	2.48	2.23	1.98	1.78
Dual-coil latching										
655-V23079B1203B301	V23079B1203B301	C5	12	Through-hole	140mW	1029	2.60	2.34	2.08	1.87
655-V23079B1205B301	V23079B1205B301	C5	24	Through-hole	140mW	4114	2.90	2.61	2.32	2.09

Tyco Electronics Authorized Distributor

AXICOM FX2 SERIES: SLIM CASE 3A NON-POLARIZED LOW SIGNAL RELAYS

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 3A
- Contact material: Palladium-ruthenium, gold covered
- Contact assembly: Bifurcated contacts
- Immersion cleanable, IP67 degree of protection

RoHS Compliant

UL Recognized File No. E111441

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	25	50	100
Non-latching										
655-D3209	D3209	E6	5	Through-hole	140mW	178	2.18	1.96	1.74	1.57
655-D3202	D3202	E6	12	Through-hole	140mW	1028	2.18	1.96	1.74	1.57
655-D3212	D3212	E6	24	Through-hole	200mW	2880	2.38	2.14	1.90	1.71
Non-latching, high sensitivity										
655-D3223	D3223	E6	5	Through-hole	80mW	313	2.93	2.63	2.34	2.11
655-D3226	D3226	E6	12	Through-hole	80mW	1800	2.93	2.63	2.34	2.11
655-D3227	D3227	E6	24	Through-hole	140mW	4114	3.13	2.81	2.50	2.25
Single-coil latching										
655-D3243	D3243	E7	5	Through-hole	100mW	250	2.43	2.18	1.94	1.75
655-D3246	D3246	E7	12	Through-hole	100mW	1440	2.43	2.18	1.94	1.75
655-D3247	D3247	E7	24	Through-hole	150mW	3840	2.63	2.36	2.10	1.89

Tyco Electronics Authorized Distributor

AXICOM FT2 SERIES: SLIM CASE 2A NON-POLARIZED LOW SIGNAL RELAYS

Specifications:

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Contact assembly: Bifurcated contacts
- Contact material (Standard version): Silver nickel, gold-covered
- Contact material (High dielectric version): Palladium-ruthenium, gold covered
- Immersion cleanable, IP67 degree of protection

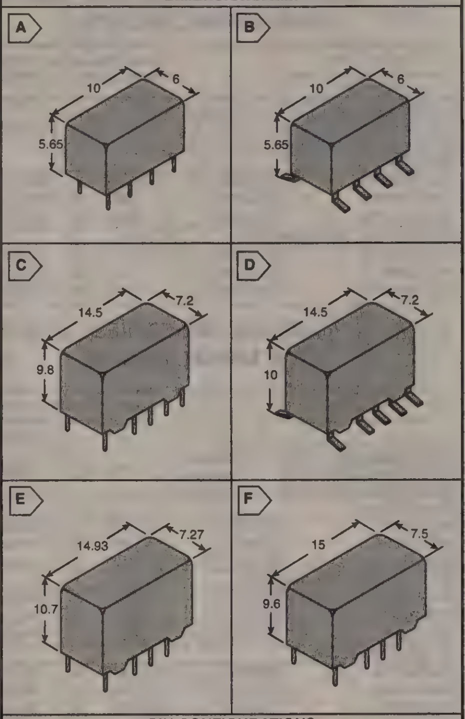
RoHS Compliant

UL Recognized File No. E111441

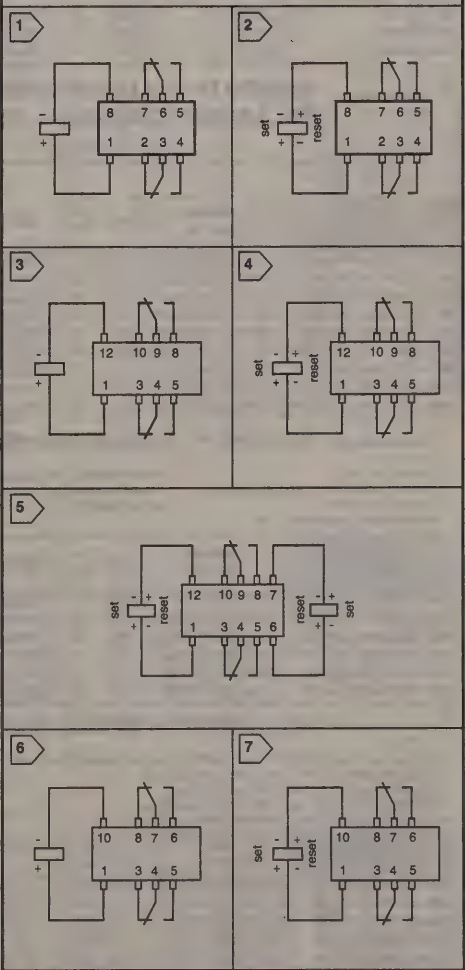
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	25	50	100
Non-latching										
655-D3403	D3403	F6	5	Through-hole	300mW	83	2.05	1.85	1.64	1.48
655-D3406	D3406	F6	12	Through-hole	300mW	480	2.05	1.85	1.64	1.48
655-D3407	D3407	F6	24	Through-hole	300mW	1920	2.25	2.03	1.80	1.62
Non-latching, high sensitivity										
655-D3423	D3423	F6	5	Through-hole	200mW	125	2.18	1.96	1.74	1.57
655-D3426	D3426	F6	12	Through-hole	200mW	720	2.18	1.96	1.74	1.57
655-D3427	D3427	F6	24	Through-hole	240mW	2400	2.38	2.14	1.90	1.71
Non-latching, high dielectric										
655-D3493	D3493	F6	5	Through-hole	200mW	125	2.55	2.30	2.04	1.84
655-D3496	D3496	F6	12	Through-hole	200mW	720	2.55	2.30	2.04	1.84

DIMENSIONS: mm



PIN CONFIGURATIONS



Low Signal Relays

Tyco Electronics
Authorized Distributor

RoHS Compliant This page of product is compliant.

Tyco Electronics AXICOM FU2 SERIES: SLIM CASE 2A NON-POLARIZED LOW SIGNAL RELAYS

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Contact material: Silver-nickel, gold-covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Bifurcated contacts

RoHS Compliant

UL Recognized File No. E111441

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	25	50	100
Non-latching										
655-D3503W	D3503W	A1	5	SMD long pins	300mW	83	2.28	2.05	1.82	1.64
655-D3506W	D3506W	A1	12	SMD long pins	300mW	480	2.28	2.05	1.82	1.64
655-D3507W	D3507W	A1	24	SMD long pins	300mW	1920	2.50	2.25	2.00	1.80
Non-latching, high sensitivity										
655-D3523W	D3523W	A1	5	SMD long pins	200mW	125	2.45	2.21	1.96	1.76
655-D3526W	D3526W	A1	12	SMD long pins	200mW	720	2.45	2.21	1.96	1.76
655-D3527W	D3527W	A1	24	SMD long pins	240mW	2400	2.68	2.41	2.14	1.93

Tyco Electronics AXICOM FP2 SERIES: LOW PROFILE 2A POLARIZED LOW SIGNAL RELAYS

- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 2A
- Contact material: Silver nickel, gold-covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Bifurcated contacts

RoHS Compliant

UL Recognized File No. E111441

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	25	50	100
Non-latching										
655-D3009	D3009	B2	5	Through-hole	140 mW	178	2.23	2.00	1.78	1.60
655-D3002	D3002	B2	12	Through-hole	140 mW	1028	2.23	2.00	1.78	1.60
655-D3012	D3012	B2	24	Through-hole	200mW	2880	2.43	2.18	1.94	1.75
Non-latching, high sensitivity										
655-D3023	D3023	B2	5	Through-hole	80mW	313	2.98	2.68	2.38	2.14
655-D3026	D3026	B2	12	Through-hole	80mW	1800	2.98	2.68	2.38	2.14
655-D3027	D3027	B2	24	Through-hole	140mW	4114	3.18	2.86	2.54	2.29
Single-coil latching										
655-D3043	D3043	B3	5	Through-hole	100mW	250	2.48	2.23	1.98	1.78
655-D3046	D3046	B3	12	Through-hole	100mW	1440	2.48	2.23	1.98	1.78
655-D3047	D3047	B3	24	Through-hole	150mW	3840	2.68	2.41	2.14	1.93
Dual-coil latching										
655-D3063	D3063	B4	5	Through-hole	200mW	125	2.60	2.34	2.08	1.87
655-D3066	D3066	B4	12	Through-hole	200mW	720	2.60	2.34	2.08	1.87
655-D3067	D3067	B4	24	Through-hole	300mW	1920	2.80	2.52	2.24	2.02

Tyco Electronics AXICOM D2N (V23105) SERIES: 3A NON-POLARIZED LOW SIGNAL RELAYS

- Non-latching coil
- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 3A
- Contact material: Silver-nickel, gold covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Single contacts

RoHS Compliant

UL Recognized File No. E111441

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	25	50	100
655-V23105A5001A201	V23105A5001A201	C5	5	Through-hole	150 mW	167	1.90	1.72	1.52	1.37
655-V23105A5003A201	V23105A5003A201	C5	12	Through-hole	150 mW	960	1.75	1.58	1.40	1.26
655-V23105A5005A201	V23105A5005A201	C5	24	Through-hole	150 mW	3480	1.85	1.67	1.48	1.33
655-V23105A5301A201	V23105A5301A201	C5	5	Through-hole	200 mW	125	1.75	1.58	1.40	1.26
655-V23105A5303A201	V23105A5303A201	C5	12	Through-hole	200 mW	720	1.85	1.67	1.48	1.33
655-V23105A5305A201	V23105A5305A201	C5	24	Through-hole	200 mW	2880	1.85	1.67	1.48	1.33
655-V23105A5401A201	V23105A5401A201	C5	5	Through-hole	400 mW	62	1.83	1.64	1.46	1.31
655-V23105A5403A201	V23105A5403A201	C5	12	Through-hole	400 mW	360	1.83	1.64	1.46	1.31
655-V23105A5405A201	V23105A5405A201	C5	24	Through-hole	400 mW	1440	1.92	1.73	1.54	1.39

Tyco Electronics AXICOM P1 (V23026) SERIES: 1A LOW SIGNAL RELAYS

- Non-latching coil
- High surge capability meets FCC Part 68
- Contact form: DPDT
- Maximum switching current: 1A
- Contact material: Palladium nickel, gold-ruthenium covered
- Immersion cleanable, IP67 degree of protection
- Contact assembly: Single contacts

RoHS Compliant

UL Recognized File No. E111441

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Axicom Part No.	Fig.	Coil VDC	Termination	Power Consumption	Coil Resistance (Ω)	Price Each			
							1	25	50	100
655-V23026A1001B201	V23026A1001B201	D6	5	Through-hole	68	370	4.22	3.80	3.37	3.03
655-V23026A1002B201	V23026A1002B201	D6	12	Through-hole	64	2250	4.22	3.80	3.37	3.03
655-V23026A1004B201	V23026A1004B201	D6	24	Through-hole	128	4500	4.28	3.85	3.42	3.08
655-V23026D1021XB	V23026D1021XB	E6	5	SMD Gull Wing	80	313	3.98	3.58	3.18	2.86
655-V23026D1022XB	V23026D1022XB	E6	12	SMD Gull Wing	80	1800	3.84	3.65	3.46	3.26
655-V23026D1024XB	V23026D1024XB	E6	24	SMD Gull Wing	128	4500	3.99	3.79	3.59	3.39

Tyco Electronics P&B T81N/T81H SERIES: ULTRAMINIATURE PCB RELAYS

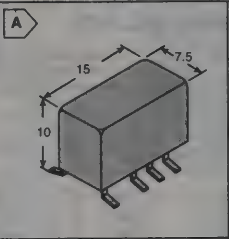
- High dielectric strength - 1000 Vrms, 50/60 Hz, for 1 minute contact to coil
- Contact material: Gold overlay silver-palladium alloy
- Contact rating: 1A @ 24VDC; 0.5A @ 120 VAC
- Enclosure: Immersion cleanable, plastic sealed case
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Excluding bounce): 5 ms/2 ms
- Nominal power: T81N - 450 mW; T81H - 200 mW
- T81N - standard coil; T81H - sensitive coil

For quantities of 500 and up, call for quote. RoHS Compliant

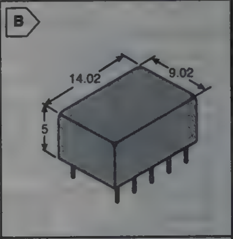
MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res (Ω)	Price Each			
						1	25	50	100
655-T81N5D312-12	T81N5D312-12	F	12 VDC	SPDT	320	3.58	3.40	3.22	3.05
655-T81N5D312-24	T81N5D312-24	F	24 VDC	SPDT	1280	2.82	2.68	2.54	2.40
655-T81H5D312-05	T81H5D312-05	F	5 VDC	SPDT	125	2.81	2.67	2.53	2.39
655-T81H5D312-12	T81H5D312-12	F	12 VDC	SPDT	700	3.08	2.92	2.77	2.62
655-T81H5D312-24	T81H5D312-24	F	24 VDC	SPDT	2800	2.69	2.30	2.05	1.66

DIMENSIONS: mm

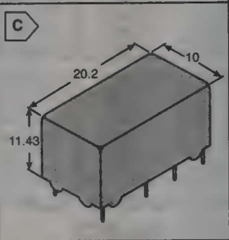
A



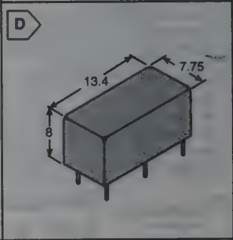
B



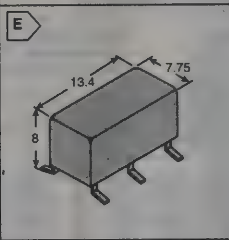
C



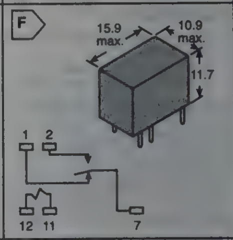
D



E

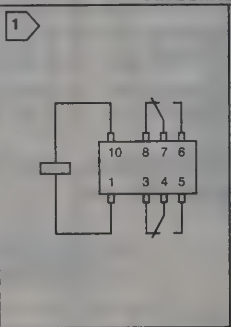


F

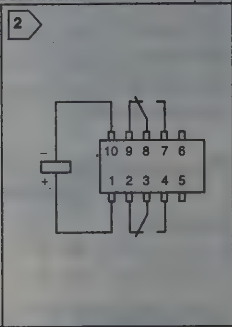


PIN CONFIGURATIONS

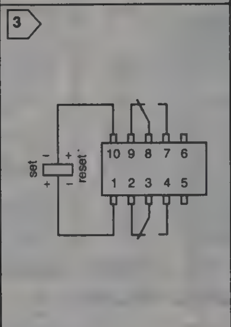
1



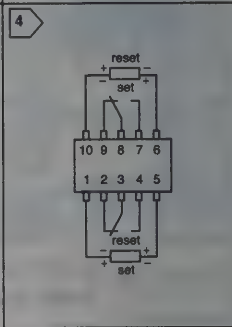
2



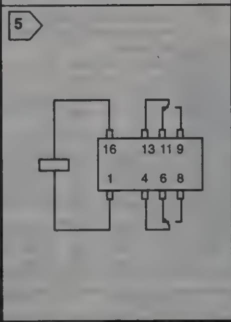
3



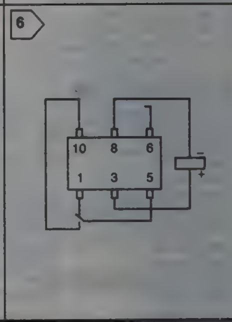
4



5



6



FUJITSU Signal Relays

A SERIES MINIATURE RELAYS

Features:
- 2 Poles - 1 to 2 A (for signal switching)
- Extremely low profile and light weight
- UL, CSA recognized
- High Reliability - bifurcated contacts
- Plastic Sealed type
- Contact Form: DPDT
- Height: 5mm
- Weight: approx. 1.2g
- Wide Operating range
- DIL through-hole terminals
- Contact Rating: .5A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-A-3W-K	A-3W-K	A	3	64.3Ω	140 mW	2.98	2.53	2.16	1.98
817-A-5W-K	A-5W-K	A	5	178Ω	140 mW	2.98	2.53	2.16	1.98
817-A-12W-K	A-12W-K	A	12	1,028Ω	140 mW	3.05	2.60	2.22	2.03
817-A-24W-K	A-24W-K	A	24	2,880Ω	200 mW	3.13	2.66	2.27	2.08
817-A-48W-K	A-48W-K	A	48	7,680Ω	300 mW	3.35	2.85	2.44	2.23

FBR46 SERIES MINIATURE RELAYS

Features:
- 2 Poles - 1 to 2 A (for signal switching)
- Miniature size
- Contact Form: DPDT
- Low power consumption
- High Surge Voltage
- Contact Rating: .5A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-FBR46ND012	FBR46ND012-P-CSA	B	12	960Ω	150 mW	2.40	2.04	1.75	1.60

FBR211 SERIES MINIATURE RELAYS

Features:
- 1 Pole - 1 to 2 A (for signal switching)
- 2 A maximum carrying current
- Superior reliability gold-overlay contacts
- Conforms to FCC 68.302 (high dielectric strength)
- Contact Form: SPDT
- International terminal pitch of one inch grid terminal layout
- UL Recognized File E63615
- CSA Recognized File LR64026
- Contact Rating: .5A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-FBR211NBD012-M	FBR211NBD012-M	C	12	320Ω	450 mW	1.85	1.57	1.35	1.23
817-FBR211NED024-M	FBR211NED024-M	C	24	2,800Ω	450 mW	1.95	1.66	1.42	1.30

FTR-B3 SERIES MINIATURE HORIZONTAL RELAYS

Features:
- 2-Contact 1A (for switching signals)
- Flat Type ultra miniature (SMT)
- Ultra slim and light weight
- High efficiency polar electromagnet structure
- Contact Form: DPDT
- Gold-plated silver alloy bifurcated contacts
- UL, CSA recognized
- Contact Rating: .3A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-B3GA003Z	FTR-B3GA003Z	D	Surface Mount	3	64.3Ω	140 mW	3.75	3.19	2.73	2.50
817-FTR-B3GA4.5Z	FTR-B3GA4.5Z	D	Surface Mount	4.5	145Ω	140 mW	3.75	3.19	2.73	2.50
817-FTR-B3GA012Z	FTR-B3GA012Z	D	Surface Mount	12	1,028Ω	140 mW	3.75	3.19	2.73	2.50

FTR-B4 SERIES ULTRA MINIATURE SLIM SIGNAL RELAYS

Features:
- High reliability bifurcated contacts
- Lower power consumption
- 10mm Max. height SMT
- Contact Form: DPDT
- Weight: Approx. 1.0g
- Conforms Bellcore and FCC part 68
- Contact Rating: 1A

∗ Reduced mounting area

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-B4CA003Z	FTR-B4CA003Z	E	Through-hole	3	64.3Ω	140 mW	3.75	3.19	2.73	2.50
817-FTR-B4GA003Z	FTR-B4GA003Z	F	Surface mount	3	64.3Ω	140 mW	3.75	3.19	2.73	2.50
817-FTR-B4GA012Z	FTR-B4GA012Z	F	Surface mount	12	1,028Ω	140 mW	3.75	3.19	2.73	2.50
∗817-FTR-B4SA003Z	FTR-B4SA003Z	F	Surface mount	3	64.3Ω	140 mW	4.53	3.85	3.29	3.02
∗817-FTR-B4SA012Z	FTR-B4SA012Z	F	Surface mount	12	1,028Ω	140 mW	4.53	3.85	3.29	3.02
∗817-FTR-B4SA4.5Z	FTR-B4SA4.5Z	F	Surface mount	4.5	145Ω	140 mW	4.53	3.85	3.29	3.02

FTR-C1 SERIES ULTRA MINIATURE RELAYS

Features:
- High reliability bifurcated contacts
- Lower power consumption
- Contact Form: DPDT
- Weight: Approx. 1.0g
- Surge Strength: 5000V
- Conforms to IEC 60950 / EN60950 / UL1950 / C22.2
- Contact Rating: 1A

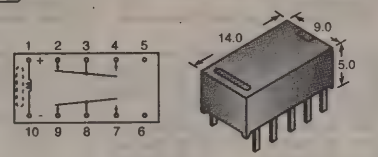
RoHS Compliant

For quantities of 2500 and up, call for quote.

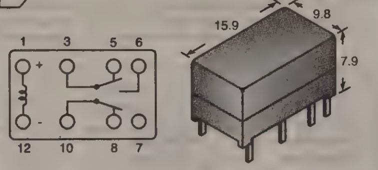
MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Terminal Type	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-FTR-C1GA003G	FTR-C1GA003G	G	Surface Mount	3	32.1	280 mW	3.80	3.23	2.75	2.52
817-FTR-C1GA4.5G	FTR-C1GA4.5G	G	Surface Mount	4.5	72.3	280 mW	3.80	3.23	2.75	2.52
817-FTR-C1GA012G	FTR-C1GA012G	G	Surface Mount	12	514	280 mW	3.80	3.23	2.75	2.52

DIMENSIONS: mm

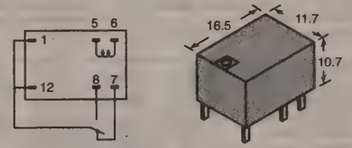
A



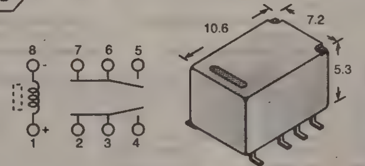
B



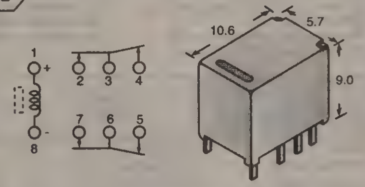
C



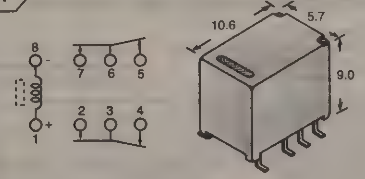
D



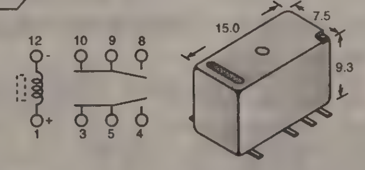
E



F



G



FUJITSU Signal Relays

FUJITSU

MZ SERIES MINIATURE RELAYS

Features:
- 1 Pole - 1 to 2 A (for signal switching)
- Subminiature size
- Standard and high sensitivity types available
- DIL through-hole terminals
- Contact Form: SPDT
- Plastic sealed type
- High reliability bifurcated contacts
- UL, CSA recognized
- Contact Rating: .5A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-MZ-5HS-K	MZ-5HS-K	A	5	120Ω	200 mW	2.35	2.00	1.71	1.57
817-MZ-12HS-K	MZ-12HS-K	A	12	700Ω	200 mW	2.35	2.00	1.71	1.57
817-MZ-24HS-K	MZ-24HS-K	A	24	2,800Ω	200 mW	2.65	2.26	1.93	1.77

NA SERIES MINIATURE RELAYS

Features:
- 2 Poles - 1 to 2 A (for signal switching)
- Slim type relay for high density mounting
- High sensitivity and low consumption power
- Maximum switching capacity - 4.2A 700VAC
- Contact Form: DPDT
- High reliability - bifurcated contacts
- DIL through-hole terminals
- Plastic sealed type
- Contact Rating: .5A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-NA-3W-K	NA-3W-K	B	3	64.3Ω	140 mW	3.33	2.83	2.42	2.22
817-NA-5W-K	NA-5W-K	B	5	178Ω	140 mW	3.33	2.83	2.42	2.22
817-NA-12W-K	NA-12W-K	B	12	1,028Ω	140 mW	3.33	2.83	2.42	2.22

RA SERIES MINIATURE RELAYS

Features:
- 2 Poles - 1 to 2 A (for signal switching)
- Ultra high sensitivity
- High reliability - bifurcated contacts
- Wide operating temperature range
- Contact Form: DPDT
- DIL through-hole terminals
- Plastic sealed type
- Latching type available
- Contact Rating: .5A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-RA-18W-K	RA-18W-K	C	18	2,160Ω	150 mW	3.67	3.11	2.65	2.43
817-RAL-5W-K	RAL-5W-K	C	5	335Ω	75 mW	4.13	3.51	3.00	2.75
817-RAL-D5W-K	RAL-D5W-K	D	5	167Ω	150 mW	4.50	3.83	3.27	3.00

RA4 SERIES MINIATURE RELAYS

Features:
- 4 Poles - 1 to 2 A (for signal switching)
- Ultra high sensitivity
- High reliability - bifurcated contacts
- Wide operating temperature range
- Contact Form: 4PDT
- DIL through-hole terminals
- Plastic sealed type
- Latching type available
- Contact Rating: .5A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-RA4-12W-K	RA4-12W-K	E	12	720Ω	200 mW	8.43	7.17	6.13	5.62
817-RA4-18W-K	RA4-18W-K	E	18	1,620Ω	200 mW	8.43	7.17	6.13	5.62

RY SERIES MINIATURE RELAYS

Features:
- 2 Poles - 1 to 2 A (for signal switching)
- Ultra high sensitivity
- Wide operating temperature range
- Contact Form: DPDT
- DIL through-hole terminals
- Plastic sealed type
- UL, CSA recognized

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Contact Rating	Coil Resistance (±10%)	Nominal Power	Price Each			
							1	100	500	1000
817-RY-12W-K	RY-12W-K	F	12	.5A	960Ω	150 mW	2.80	2.38	2.04	1.87
817-RY-24W-K	RY-24W-K	F	24	.5A	2,880Ω	200 mW	2.88	2.45	2.09	1.92
817-RY-12D-K	RY-12D-K	F	12	.3A	320Ω	450 mW	3.40	2.89	2.47	2.27
817-RY-12WFZ-K	RY-12WFZ-K	F	12	.5A	280Ω	510 mW	2.73	2.32	1.98	1.82

SY SERIES MINIATURE RELAYS

Features:
- 1 Pole - 1 A (for signal switching)
- Very small size and weight
- High sensitivity
- Contact Form: SPDT
- Wide operating temperature range
- DIL through-hole terminals
- Plastic sealed type
- Contact Rating: .5A

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-SY-5W-K	SY-5W-K	G	5	167Ω	150 mW	2.58	2.19	1.87	1.72
817-SY-12W-K	SY-12W-K	G	12	960Ω	150 mW	2.70	2.30	1.96	1.80
817-SY-6-K	SY-6-K	G	6	240Ω	150 mW	2.00	1.70	1.45	1.33
817-SY-9W-K	SY-9W-K	G	9	540Ω	150 mW	2.13	1.81	1.55	1.42

UM1 SERIES: 1 POLE, HIGH FREQUENCY MINIATURE RELAY

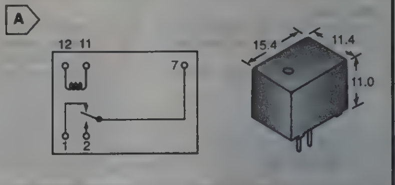
Features:
- Subminiature polarized relay
- Excellent high frequency characteristics
- High reliability - Bifurcated contacts
- Contact Form: SPDT
- DIL through-hole terminals
- Wide operating temperature range
- Plastic sealed type
- Contact Rating: 10mA

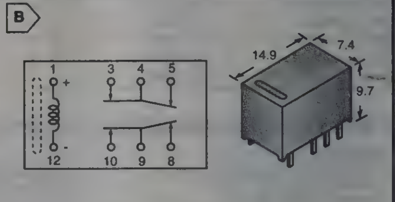
RoHS Compliant

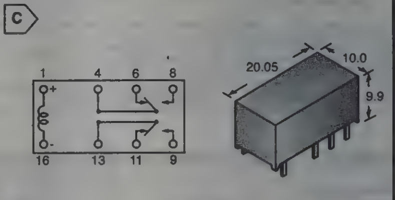
For quantities of 2500 and up, call for quote.

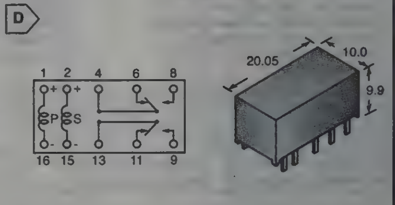
MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Coil Resistance (±10%)	Nominal Power	Price Each			
						1	100	500	1000
817-UM1-5W-K	UM1-5W-K	H	5	125Ω	200 mW	5.83	4.96	4.24	3.88

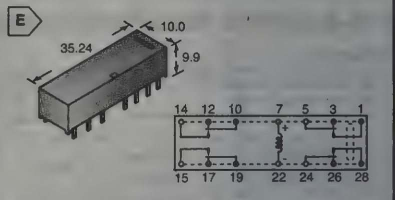
DIMENSIONS: mm

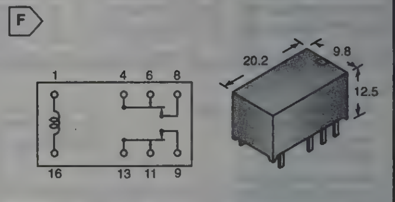


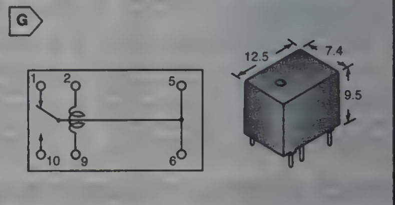


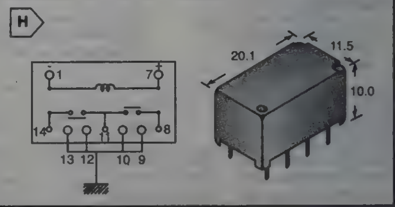












NEC Miniature Signal Relays

NEC

NEC UA2/UB2 SERIES: MINIATURE SIGNAL RELAYS

- Surge voltage: 2500V between coil and contact (Complies with Bellcore EN60950)
- Breakdown voltage between open contacts: 1000VAC (Complies with FCC Part 68)
- Contact form: DPDT
- Max. switching current: 1A
- Contact Rating: 1A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power	Price Each			
							1	25	50	100
Non-Latching Type										
551-UA2-3NJ	UA2-3NJ	A	1	3	64.3	140mW	3.36	3.00	2.58	2.40
551-UA2-4.5NJ	UA2-4.5NJ	A	1	4.5	145	140mW	3.36	3.00	2.58	2.40
551-UA2-5NJ	UA2-5NJ	A	1	5	178	140mW	3.36	3.00	2.58	2.40
551-UA2-12NJ	UA2-12NJ	A	1	12	1028	140mW	3.36	3.00	2.58	2.40
551-UA2-12NU	UA2-12NU	A	1	12	1028	140mW	4.14	3.70	3.13	2.66
551-UA2-24NJ	UA2-24NJ	A	1	24	2880	200mW	3.92	3.50	3.01	2.80
Single Coil Latch Type										
551-UA2-3SNJ	UA2-3SNJ	A	2	3	90	100mW	3.92	3.50	3.01	2.80
551-UA2-4.5SNJ	UA2-4.5SNJ	A	2	4.5	202.5	100mW	3.92	3.50	3.01	2.80
551-UA2-5SNJ	UA2-5SNJ	A	2	5	250	100mW	3.92	3.50	3.01	2.80
Non-Latching Surface Mount Type										
551-UB2-3NU	UB2-3NU	B	1	3	64.3	140mW	3.36	3.00	2.58	2.40
551-UB2-4.5NU	UB2-4.5NU	B	1	4.5	145	140mW	3.36	3.00	2.58	2.40
551-UB2-5NU	UB2-5NU	B	1	5	178	140mW	3.36	3.00	2.58	2.40
551-UB2-12NU	UB2-12NU	B	1	12	1028	140mW	3.36	3.00	2.58	2.40
Single Coil Latch Surface Mount Type										
551-UB2-4.5SNU	UB2-4.5SNU	B	1	4.5	202.5	100mW	3.92	3.50	3.01	2.80

NEC UC2/UD2 SERIES: MINIATURE SIGNAL RELAYS

- Surge voltage: 2500V between coil and contact (Complies with Bellcore EN60950)
- Breakdown voltage between open contacts: 1000VAC (Complies with FCC Part 68)
- Contact form: DPDT
- Max. switching current: 1A
- Contact Rating: 1A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power	Price Each			
							1	25	50	100
Non-Latching Type										
551-UC2-3NJ	UC2-3NJ	C	1	3	64.3	140mW	3.24	3.04	2.63	2.30
551-UC2-4.5NJ	UC2-4.5NJ	C	1	4.5	145	140mW	3.24	3.04	2.63	2.30
551-UC2-5NJ	UC2-5NJ	C	1	5	178	140mW	3.24	3.04	2.63	2.30
551-UC2-12NJ	UC2-12NJ	C	1	12	1028	140mW	3.24	3.04	2.63	2.30
Single Coil Latch Type										
551-UC2-3SNJ	UC2-3SNJ	C	2	3	90	100mW	3.92	3.50	3.01	2.80
551-UC2-4.5SNJ	UC2-4.5SNJ	C	2	4.5	202.5	100mW	3.92	3.50	3.01	2.80
551-UC2-5SNJ	UC2-5SNJ	C	2	5	250	100mW	3.92	3.50	3.01	2.80
551-UC2-12SNJ	UC2-12SNJ	C	2	12	1440	100mW	3.92	3.50	3.01	2.80
Non-Latching Surface Mount Type										
551-UD2-3NU	UD2-3NU	D	1	3	64.3	140mW	3.24	3.04	2.63	2.30
551-UD2-5NU	UD2-5NU	D	1	5	178	140mW	3.24	3.04	2.63	2.30
551-UD2-12NU	UD2-12NU	D	1	12	1028	140mW	3.24	3.04	2.63	2.30
Single Coil Latch Surface Mount Type										
551-UD2-3SNU	UD2-3SNU	D	2	3	90	100mW	3.92	3.50	3.01	2.80
551-UD2-4.5SNU	UD2-4.5SNU	D	2	4.5	202.5	100mW	3.92	3.50	3.01	2.80
551-UD2-5SNU	UD2-5SNU	D	2	5	250	100mW	3.92	3.50	3.01	2.80

NEC EA2 SERIES: MINIATURE SIGNAL RELAYS

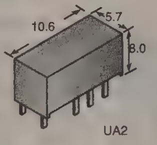
- Surge voltage: 1500V between coil and contact (Complies with FCC Part 68)
- Breakdown voltage between open contacts: 1000VAC (Complies with FCC Part 68)
- Contact form: DPDT
- Max. switching current: 1A
- Contact Rating: 2A

For quantities of 500 and up, call for quote.

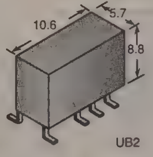
MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power	Price Each			
							1	25	50	100
Non-Latch Type										
551-EA2-3NJ	EA2-3NJ	E	3	3	64.3	140mW	2.60	2.39	2.12	1.80
551-EA2-4.5NJ	EA2-4.5NJ	E	3	4.5	145	140mW	2.60	2.39	2.12	1.80
551-EA2-5NJ	EA2-5NJ	E	3	5	178	140mW	2.60	2.39	2.12	1.80
551-EA2-12NJ	EA2-12NJ	E	3	12	1028	140mW	2.60	2.39	2.12	1.80
551-EA2-24NJ	EA2-24NJ	E	3	24	2880	200mW	3.09	2.85	2.61	2.38
Single Coil Latch Type										
551-EA2-3SNJ	EA2-3SNJ	E	4	3	90	140mW	3.09	2.85	2.61	2.38
551-EA2-5SNJ	EA2-5SNJ	E	4	5	250	140mW	3.09	2.85	2.61	2.38
551-EA2-12SNJ	EA2-12SNJ	E	4	12	1440	140mW	3.09	2.85	2.61	2.38
Double Coil Latch Type										
551-EA2-5TNJ	EA2-5TNJ	E	5	5	178	140mW	3.23	2.98	2.73	2.48
551-EA2-12TNJ	EA2-12TNJ	E	5	12	1028	140mW	3.23	2.98	2.73	2.48
551-EA2-24TNJ	EA2-24TNJ	E	5	24	2880	200mW	3.93	3.63	3.33	3.02

DIMENSIONS: mm

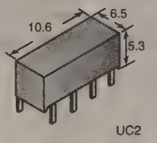
A



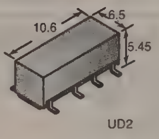
B



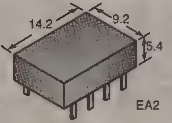
C



D

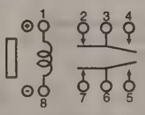


E



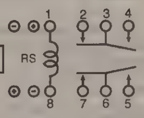
PIN CONFIGURATIONS

1



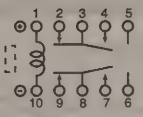
Non-Latch Type

2



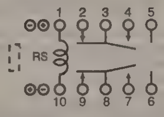
Single Coil Latch Type

3



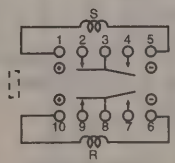
Non-Latch Type

4



Single Coil Latch Type

5



Double Coil Latch Type

NEC EB2 SERIES: MINIATURE SIGNAL RELAYS

- Surge voltage: 1500V between coil and contact (Complies with FCC Part 68)
- Breakdown voltage between open contacts: 1000VAC (Complies with FCC Part 68)
- Contact form: DPDT
- Max. switching current: 1A
- Contact Rating: 2A

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power	Price Each			
							1	25	50	100
Non-Latching Surface Mount Type										
551-EB2-3NU	EB2-3NU	A	1	3	64.3	140mW	2.67	2.46	2.26	2.04
551-EB2-4.5NU	EB2-4.5NU	A	1	4.5	145	140mW	2.67	2.46	2.26	2.04
551-EB2-5NU	EB2-5NU	A	1	5	178	140mW	2.67	2.46	2.26	2.04
551-EB2-12NU	EB2-12NU	A	1	12	1028	140mW	2.67	2.46	2.26	2.04
551-EB2-24NU	EB2-24NU	A	1	24	2880	200mW	3.09	2.85	2.61	2.38
Single Coil Latch Surface Mount Type										
551-EB2-3SNU	EB2-3SNU	A	1	3	90	140mW	3.09	2.85	2.61	2.38
551-EB2-5SNU	EB2-5SNU	A	1	5	250	140mW	3.09	2.85	2.61	2.38
551-EB2-12SNU	EB2-12SNU	A	1	12	1440	140mW	3.09	2.85	2.61	2.38

NEC EC2/EE2 SERIES: MINIATURE SIGNAL RELAYS

- Surge voltage: 2500V between coil and contact (Complies with Bellcore EN60950)
- Breakdown voltage between open contacts: 1000 VAC (Complies with FCC Part 68)
- Contact form: DPDT
- Max. switching current: 2A
- Contact Rating: 2A

For quantities of 500 and up, call for quote.

Non-Latch Type										
551-EC2-3NJ	EC2-3NJ	B	2	3	64.3	140mW	2.67	2.46	2.26	2.05
551-EC2-4.5NJ	EC2-4.5NJ	B	2	4.5	145	140mW	2.67	2.46	2.26	2.05
551-EC2-5NJ	EC2-5NJ	B	2	5	178	140mW	2.67	2.46	2.26	2.05
551-EC2-12NJ	EC2-12NJ	B	2	12	1028	140mW	2.67	2.46	2.26	2.05
551-EC2-24NJ	EC2-24NJ	B	2	24	2880	200mW	3.09	2.85	2.61	2.38
Single Coil Latch Type										
551-EC2-3SNJ	EC2-3SNJ	B	2	3	90	140mW	3.09	2.85	2.61	2.38
551-EC2-4.5SNJ	EC2-4.5SNJ	B	2	4.5	202.5	140mW	3.09	2.85	2.61	2.38
551-EC2-5SNJ	EC2-5SNJ	B	2	5	250	140mW	3.09	2.85	2.61	2.38
551-EC2-12SNJ	EC2-12SNJ	B	2	12	1440	140mW	3.09	2.85	2.61	2.38
Non-Latching Surface Mount Type										
551-EE2-3NU	EE2-3NU	C	2	3	64.3	140mW	2.67	2.46	2.26	2.05
551-EE2-4.5NU	EE2-4.5NU	C	2	4.5	145	140mW	2.67	2.46	2.26	2.05
551-EE2-5NU	EE2-5NU	C	2	5	178	140mW	2.67	2.46	2.26	2.05
Single Coil Latch Surface Mount Type										
551-EE2-3SNU	EE2-3SNU	C	2	3	90	140mW	3.09	2.85	2.61	2.38
551-EE2-4.5SNU	EE2-4.5SNU	C	2	4.5	202.5	140mW	3.09	2.85	2.61	2.38
551-EE2-5SNU	EE2-5SNU	C	2	5	250	140mW	3.09	2.85	2.61	2.38

NEC ED2/EF2 SERIES: MINIATURE SIGNAL RELAYS

- Surge voltage: 2500V between coil and contact (Complies with bellcore EN60950)
- Breakdown voltage between open contacts: 1000VAC (Complies with FCC part 68)
- Contact form: DPDT
- Max. switching current: 1A
- Contact Rating: 2A

For quantities of 500 and up, call for quote.

Non-Latch Type										
551-ED2-5NJ	ED2-5NJ	B	2	5	500	50mW	4.07	3.76	3.45	3.13
551-ED2-9NJ	ED2-9NJ	B	2	9	1473	55mW	6.96	6.43	5.90	5.35
551-ED2-12NJ	ED2-12NJ	B	2	12	2400	60mW	4.49	4.15	3.80	3.46
551-ED2-24NJ	ED2-24NJ	B	2	24	8229	70mW	5.05	4.67	4.28	3.89
Non-Latching Surface Mount Type										
551-EF2-5NU	EF2-5NU	C	2	5	500	50mW	4.07	3.76	3.45	3.13

NEC MR62 SERIES: MINIATURE SIGNAL RELAYS

- Plastic sealed for flow-soldering process
- Breakdown voltage between open contacts: 500VAC and (*) 1000VAC
- Contact form: DPDT
- Max. switching current: 2A
- Contact Rating: 2A

For quantities of 500 and up, call for quote.

551-MR62-5USRY	MR62-5USRY	D	3	5	62.5	400mW	2.67	2.46	2.26	2.05
551-MR62-12USRY	MR62-12USRY	D	3	12	360	400mW	2.67	2.46	2.26	2.05
551-MR62-24USRY	MR62-24USRY	D	3	24	1440	400mW	3.09	2.85	2.61	2.38
*551-MR625UKSRY	MR62-5UKSRY	D	3	5	62.5	400mW	2.67	2.46	2.21	1.99
*551-MR62-12UKSRY	MR62-12UKSRY	D	3	12	360	400mW	2.67	2.46	2.21	1.99
*551-MR62-24UKSRY	MR62-24UKSRY	D	3	24	1440	400mW	3.09	2.50	2.21	1.99
551-MR62-5USR	MR62-5USR	D	3	5	42	550mW	2.67	2.46	2.26	2.05
551-MR62-12USR	MR62-12USR	D	3	12	280	550mW	2.67	2.46	2.26	2.05
551-MR62-24USR	MR62-24USR	D	3	24	1050	550mW	3.09	2.85	2.61	2.38
551-MR62-48USR	MR62-48USR	D	3	48	4200	550mW	4.49	4.15	3.80	3.46

NEC MR82 SERIES: LOW SIGNAL RELAYS

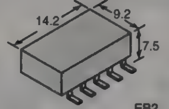
- Plastic sealed for flow soldering process
- Breakdown voltage between open contacts: 500VAC
- Contact form: DPDT
- Max. switching current: 2A
- Contact Rating: 2A

For quantities of 500 and up, call for quote.

551-MR82-5USR	MR82-5USR	A	1	5	125	200mW	2.67	2.46	2.26	2.05
551-MR82-12USR	MR82-12USR	A	1	12	720	200mW	2.67	2.46	2.26	2.05
551-MR82-24USR	MR82-24USR	A	1	24	2880	200mW	3.09	2.85	2.61	2.38

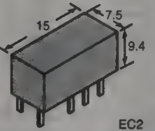
DIMENSIONS: mm

A



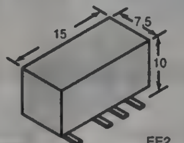
EB2

B



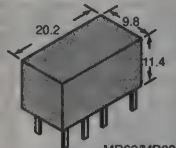
EC2

C



EE2

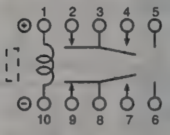
D



MR62/MR82

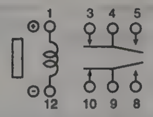
PIN CONFIGURATIONS

1



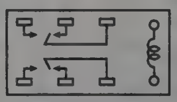
Non-Latch Type

2



Non-Latch Type

3



2 Form C

OMRON Low Signal Relays

OMRON G5A SERIES: SMALL 1A DPDT LOW SIGNAL RELAYS

Features:
- Omron's unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
- Low power consumption
- Bifurcated crossbar assures highly reliable switching of loads as low as 10mVDC, 0.1mA

Specifications:
- Contact resistance: 50mΩ max.
- Contact material: Ag (Au clad)
- Power consumption: 200mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
Sealed Construction, Non-Latching Coil									
653-G5A-234P-DC5	G5A-234P-DC5	A1	40 mA	5	125	4.12	3.85	3.40	3.04
653-G5A-234P-DC12	G5A-234P-DC12	A1	16.7 mA	12	720	4.12	3.85	3.40	3.04
653-G5A-234P-DC24	G5A-234P-DC24	A1	8.3 mA	24	2880	4.12	3.85	3.40	3.04
Vented Construction, Non-Latching Coil									
653-G5A-237P-DC5	G5A-237P-DC5	A1	40 mA	5	125	4.10	3.83	3.39	3.03
653-G5A-237P-DC12	G5A-237P-DC12	A1	16.7 mA	12	720	4.10	3.83	3.39	3.03
653-G5A-237P-DC24	G5A-237P-DC24	A1	8.3 mA	24	2880	4.21	3.94	3.48	3.11
Sealed Construction, Double-Winding Latching Coil									
653-G5AK-234P-DC5	G5AK-234P-DC5	A2	40 mA	5	125	5.16	4.83	4.26	3.82
653-G5AK-234P-DC6	G5AK-234P-DC6	A2	33.3 mA	6	180	5.16	4.83	4.26	3.82
653-G5AK-234P-DC9	G5AK-234P-DC9	A2	22.2 mA	9	405	5.16	4.83	4.26	3.82
653-G5AK-234P-DC12	G5AK-234P-DC12	A2	16.7 mA	12	720	5.62	5.26	4.64	4.16
653-G5AK-234P-DC24	G5AK-234P-DC24	A2	8.3 mA	24	2880	5.27	4.92	4.35	3.89

OMRON G5V-1 SERIES: SMALL 1A SPDT LOW SIGNAL RELAYS

Features:
- Ideal for use in telecommunications, security, and computer/peripheral equipment
- Conforms to FCC part 68 voltage surge
- Fully sealed construction

Specifications:
- Contact resistance: 100mΩ max.
- Contact material: Ag (Au clad)
- Power consumption: 150mW

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
653-G5V-1-DC3	G5V-1-DC3	B3	50 mA	3	60	2.15	2.09	2.03	1.91
653-G5V-1-DC5	G5V-1-DC5	B3	30 mA	5	166.7	1.74	1.65	1.60	1.51
653-G5V-1-DC6	G5V-1-DC6	B3	25mA	6	240	1.69	1.65	1.60	1.51
653-G5V-1-DC9	G5V-1-DC9	B3	16.7 mA	9	540	2.15	2.09	2.03	1.91
653-G5V-1-DC12	G5V-1-DC12	B3	12.5 mA	12	960	1.74	1.65	1.60	1.51
653-G5V-1-DC24	G5V-1-DC24	B3	6.3 mA	24	3840	1.74	1.65	1.60	1.51

OMRON G5V-2 SERIES: GENERAL USAGE 2A DPDT LOW SIGNAL RELAYS

Features:
- Ideal for use in telecommunications, security, and computer/peripheral equipment
- Conforms to FCC part 68 voltage surge
- Fully sealed construction

Specifications:
- Contact resistance: 50mΩ max.
- Power consumption:
  Standard type - 500 mW;
  High-sensitivity type - 360 mW
  Ultra-sensitive type - 150 mW

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
Standard Type									
653-G5V-2-DC3	G5V-2-DC3	C4	166.7 mA	3	18	3.13	2.50	2.21	1.99
653-G5V-2-DC5	G5V-2-DC5	C4	100 mA	5	50	2.08	2.03	1.97	1.85
653-G5V-2-DC12	G5V-2-DC12	C4	41.7 mA	12	288	2.08	2.03	1.97	1.85
653-G5V-2-DC24	G5V-2-DC24	C4	20.8 mA	24	1152	2.08	2.03	1.97	1.85
653-G5V-2-DC48	G5V-2-DC48	C4	12 mA	48	4000	3.13	2.50	2.21	1.99
High-Sensitivity Type									
653-G5V-2-H-DC5	G5V-2-H-DC5	C4	72 mA	5	70	2.42	2.35	2.28	2.15
653-G5V-2-H-DC12	G5V-2-H-DC12	C4	30 mA	12	400	2.42	2.35	2.28	2.15
653-G5V-2-H-DC24	G5V-2-H-DC24	C4	15 mA	24	1600	2.42	2.35	2.28	2.15
Ultra-Sensitive Type									
653-G5V-2-H1-DC5	G5V-2-H1-DC5	C4	30 mA	5	166.7	2.01	1.97	1.94	1.89
653-G5V-2-H1-DC12	G5V-2-H1-DC12	C4	12.5 mA	12	960	2.01	1.97	1.94	1.89
653-G5V-2-H1-DC24	G5V-2-H1-DC24	C4	8.3 mA	24	2880	2.49	2.42	2.35	2.21

OMRON G6L SERIES: LOW PROFILE 1A SPST-NO LOW SIGNAL RELAYS

Features:
- Reduction of 20% mounting space compared to Omron's G5V-1
- Conforms to FCC Part 68
- Plastic sealed construction

Specifications:
- Contact resistance: 100mΩ max.
- Max. switching current: 1A
- Power consumption: 180mW

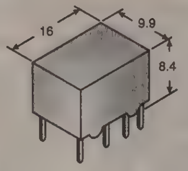
RoHS Compliant

For quantities of 500 and up, call for quote.

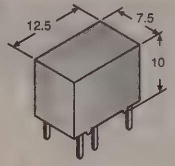
MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
SMT Gull-wing									
653-G6L-1F-DC3	G6L-1F-DC3	D5	60 mA	3	50	2.60	2.31	2.02	1.93
653-G6L-1F-DC4.5	G6L-1F-DC4.5	D5	40 mA	4.5	112.5	2.21	1.97	1.72	1.64
653-G6L-1F-DC5	G6L-1F-DC5	D5	36 mA	5	139	2.21	1.97	1.72	1.64
653-G6L-1F-DC12	G6L-1F-DC12	D5	15 mA	12	800	2.21	1.97	1.72	1.64
PCB Thru-hole									
653-G6L-1P-DC3	G6L-1P-DC3	E5	60 mA	3	50	2.60	2.31	2.02	1.93
653-G6L-1P-DC4.5	G6L-1P-DC4.5	E5	40 mA	4.5	112.5	2.32	2.07	1.81	1.72
653-G6L-1P-DC5	G6L-1P-DC5	E5	36 mA	5	139	2.05	1.82	1.59	1.52
653-G6L-1P-DC12	G6L-1P-DC12	E5	15 mA	12	800	2.21	1.97	1.72	1.64

DIMENSIONS: mm

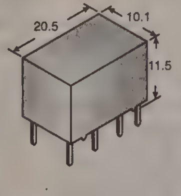
A



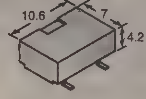
B



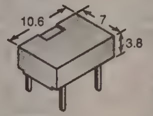
C



D

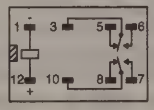


E

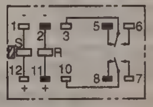


TERMINAL ARRANGEMENT

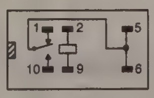
1



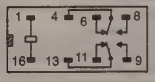
2



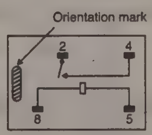
3



4



5



OMRON Low Signal Relays

OMRON G6J-Y SERIES: ULTRA-COMPACT 1A DPDT LOW SIGNAL RELAYS

- Reduction of approximately 56% in mounting area compared to the OMRON G6S, for higher-density mounting.
- Conforms to North American Telcordia specifications
- Conforms to FCC Part 68
- Function: G6J - Single side stable G6JU - Single-winding latching
- Contact mechanism: Twin crossbar Ag (Au-clad contact)
- Plastic sealed case

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Coil Voltage	Terminals	Power Consumption	Coil VDC	Price Each			
							1	25	50	100
653-G6J-2P-Y-DC5	G6J-2P-Y-DC5	A1	5 VDC	Thru-hole	140 mW	28.9 mA	4.10	3.44	3.12	2.87
653-G6J-2P-Y-DC12	G6J-2P-Y-DC12	A1	12 VDC	Thru-hole	140 mW	12.3 mA	4.82	4.05	3.66	3.37
653-G6J-2P-Y-DC24	G6J-2P-Y-DC24	A1	24 VDC	Thru-hole	140 mW	9.2 mA	4.82	4.05	3.66	3.37
653-G6J-2FS-Y-DC5	G6J-2FS-Y-DC5	B1	5 VDC	SMD, short leads	140 mW	28.9 mA	4.10	3.44	3.12	2.87
653-G6J-2FS-Y-DC12	G6J-2FS-Y-DC12	B1	12 VDC	SMD, short leads	140 mW	12.3 mA	4.10	3.44	3.12	2.87
653-G6J-2FS-Y-DC24	G6J-2FS-Y-DC24	B1	24 VDC	SMD, short leads	140 mW	9.2 mA	4.82	4.05	3.66	3.37

OMRON G6A SERIES: HIGH SENSITIVITY 3A LOW SIGNAL RELAYS

- Unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
- High sensitivity allowing for digital circuitry control
- Due to low magnetic leakage, units can be mounted side by side.
- Low profile design allows use in 12.70mm PC board rack
- Conforms to FCC part 68 voltage surge
- Contact material: G6A-234P and G6A-434P AgPd (Au clad); G6A-274P and G6A-474Ag(Au clad)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Type	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
								1	25	50	100
Non-Latching Coil											
653-G6A-234P-DC5	G6A-234P-ST-US-DC5	C2	DPDT	Standard	40 mA	5	125	3.50	3.29	3.14	2.99
653-G6A-234P-DC12	G6A-234P-ST-US-DC12	C2	DPDT	Standard	16.7 mA	12	720	3.50	3.29	3.14	2.99
653-G6A-234P-DC24	G6A-234P-ST-US-DC24	C2	DPDT	Standard	8.3 mA	24	2880	3.50	3.29	3.14	2.99
653-G6A-274P-DC5	G6A-274P-ST-US-DC5	C2	DPDT	Standard	40 mA	5	125	3.48	3.24	3.08	2.92
653-G6A-274P-DC6	G6A-274P-ST-US-DC6	C2	DPDT	Standard	33.3 mA	6	180	3.48	3.24	3.08	2.92
653-G6A-274P-DC12	G6A-274P-ST-US-DC12	C2	DPDT	Standard	16.7 mA	12	720	3.50	3.29	3.14	2.99
653-G6A-274P-DC24	G6A-274P-ST-US-DC24	C2	DPDT	Standard	8.3 mA	24	2880	3.50	3.29	3.14	2.99
653-G6A-274P-DC48	G6A-274P-ST-US-DC48	C2	DPDT	Standard	4.9 mA	48	9750	3.16	2.94	2.79	2.65
653-G6A-274P40-DC5	G6A-274P-ST40-US-DC5	C2	DPDT	Low-Sensitivity	80 mA	5	62.5	2.80	2.60	2.47	2.34
653-G6A-274P40-DC9	G6A-274P-ST40-US-DC9	C2	DPDT	Low-Sensitivity	44.3 mA	9	203	2.80	2.60	2.47	2.34
653-G6A-274P40-DC12	G6A-274P-ST40-US-DC12	C2	DPDT	Low-Sensitivity	33.3 mA	12	360	2.80	2.60	2.47	2.34
653-G6A-274P40-DC24	G6A-274P-ST40-US-DC24	C2	DPDT	Low-Sensitivity	16.7 mA	24	1440	2.80	2.60	2.47	2.34
653-G6A-274P40-DC48	G6A-274P-ST40-US-DC48	C2	DPDT	Low-Sensitivity	8.3 mA	48	5760	3.48	3.24	3.08	2.92
653-G6A-434P-DC5	G6A-434P-ST-US-DC5	D3	4PDT	Standard	72.5 mA	5	69	9.58	8.91	8.46	8.02
653-G6A-434P-DC12	G6A-434P-ST-US-DC12	D3	4PDT	Standard	30 mA	12	400	9.58	8.91	8.46	8.02
653-G6A-434P-DC24	G6A-434P-ST-US-DC24	D3	4PDT	Standard	15 mA	24	1600	9.58	8.91	8.46	8.02
653-G6A-474P20-DC5	G6A-474P-ST20-US-DC5	D3	4PDT	High-Sensitivity	40 mA	5	125	8.77	8.16	7.75	7.34
653-G6A-474P20-DC6	G6A-474P-ST20-US-DC6	D3	4PDT	High-Sensitivity	33.3 mA	6	180	8.77	8.16	7.75	7.34
653-G6A-474P20DC12	G6A-474P-ST20-US-DC12	D3	4PDT	High-Sensitivity	16.7 mA	12	720	9.03	8.40	7.98	7.56
653-G6A-474P20-DC24	G6A-474P-ST20-US-DC24	D3	4PDT	High-Sensitivity	8.3 mA	24	2880	9.03	8.40	7.98	7.56
653-G6A-474P40-DC5	G6A-474P-ST40-US-DC5	D3	4PDT	Low-Sensitivity	80 mA	5	62.5	5.72	5.32	5.05	4.79
653-G6A-474P40-DC12	G6A-474P-ST40-US-DC12	D3	4PDT	Low-Sensitivity	33.3 mA	12	360	6.24	5.80	5.51	5.22
653-G6A-474P40-DC24	G6A-474P-ST40-US-DC24	D3	4PDT	Low-Sensitivity	16.7 mA	24	1440	6.24	5.80	5.51	5.22
653-G6A-474P40-DC48	G6A-474P-ST40-US-DC48	D3	4PDT	Low-Sensitivity	8.3 mA	48	5760	6.86	6.38	6.06	5.74
Latching Dual Coil											
653-G6AK-234P-DC5	G6AK-234P-ST-US-DC5	C4	DPDT	Standard	36 mA	5	139	3.23	3.00	2.85	2.70
653-G6AK-234P-DC12	G6AK-234P-ST-US-DC12	C4	DPDT	Standard	15 mA	12	800	3.23	3.00	2.85	2.70
653-G6AK-234P-DC24	G6AK-234P-ST-US-DC24	C4	DPDT	Standard	7.5 mA	24	3200	3.23	3.00	2.85	2.70
653-G6AK-274P-DC5	G6AK-274P-ST-US-DC5	C4	DPDT	Standard	36 mA	5	139	3.23	3.00	2.85	2.70
653-G6AK-274P-DC12	G6AK-274P-ST-US-DC12	C4	DPDT	Standard	15 mA	12	800	3.23	3.00	2.85	2.70
653-G6AK-274P-DC24	G6AK-274P-ST-US-DC24	C4	DPDT	Standard	7.5 mA	24	3200	3.29	3.06	2.91	2.75
653-G6AK-274P-DC48	G6AK-274P-ST-US-DC48	C4	DPDT	Standard	4.2 mA	48	11520	4.90	4.56	4.33	4.10
653-G6AK-474P40-DC5	G6AK-474P-ST40-US-DC5	D5	4PDT	Low-Sensitivity	72.5 mA	5	69	9.25	8.60	8.17	7.74

OMRON G6K SERIES: ULTRA SMALL 1A DPDT LOW SIGNAL RELAYS

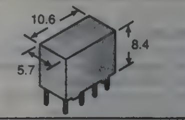
- Meets 2.5kV Bellcore surge requirements
- Fourth generation design based on worldwide communications, office automation, and computer peripheral relay requirements
- Contact resistance: 100mΩ max.
- Power consumption: 100mW
- Complies with UL 1950 Basic insulation at 125V

For quantities of 500 and up, call for quote.

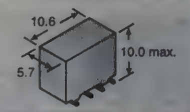
MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each			
						1	25	50	100
SMT Gullwing - Non-latching, 2.54mm lead spacing									
653-G6K-2F-DC4.5	G6K-2F-DC4.5	E6	23.2 mA	4.5	194	4.01	3.60	3.19	2.87
653-G6K-2F-DC5	G6K-2F-DC5	E6	21.1 mA	5	237	3.31	2.97	2.63	2.58
653-G6K-2F-DC12	G6K-2F-DC12	E5	9.1 mA	12	1315	3.71	3.33	2.95	2.65
653-G6K-2F-DC24	G6K-2F-DC24	E6	4.6 mA	24	5220	4.01	3.60	3.19	2.87
SMT Gullwing - Non-latching, 3.2mm coil-contact lead spacing									
653-G6K-2F-Y-DC3	G6K-2F-Y-DC3	E6	33 mA	3	91	3.31	2.97	2.63	2.36
653-G6K-2F-Y-DC4.5	G6K-2F-Y-DC4.5	E6	23.2 mA	4.5	194	3.31	2.97	2.63	2.36
653-G6K-2F-Y-DC5	G6K-2F-Y-DC5	E6	21.1 mA	5	237	4.01	3.60	3.19	2.87
653-G6K-2F-Y-DC12	G6K-2F-Y-DC12	E6	9.1 mA	12	1315	3.31	2.97	2.63	2.36
653-G6K-2F-Y-DC24	G6K-2F-Y-DC24	E6	4.6 mA	24	5220	3.31	2.97	2.63	2.36
SMT Inside "L" - Non-latching, 3.2mm coil-contact lead spacing									
653-G6K-2G-Y-DC4.5	G6K-2G-Y-DC4.5	F6	23.2 mA	4.5	194	3.31	2.97	2.63	2.36
653-G6K-2G-Y-DC5	G6K-2G-Y-DC5	F6	21.1 mA	5	237	3.31	2.97	2.63	2.36
653-G6K-2G-Y-DC12	G6K-2G-Y-DC12	F6	9.1 mA	12	1315	3.31	2.97	2.63	2.36
653-G6K-2G-Y-DC24	G6K-2G-Y-DC24	F6	4.6 mA	24	5220	3.31	2.97	2.63	2.36
PCB Thru-hole - Non-latching, 2.54mm lead spacing									
653-G6K-2P-DC4.5	G6K-2P-DC4.5	G6	23.2 mA	4.5	194	4.01	3.60	3.19	2.87
653-G6K-2P-DC5	G6K-2P-DC5	G6	21.1 mA	5	237	3.67	3.31	2.94	2.64
653-G6K-2P-DC12	G6K-2P-DC12	G6	9.1 mA	12	1315	3.31	2.97	2.63	2.36
653-G6K-2P-DC24	G6K-2P-DC24	G6	4.6 mA	24	5220	4.01	3.60	3.19	2.87
PCB thru-hole - Non-latching, 3.2mm coil-contact lead spacing									
653-G6K-2P-Y-DC3	G6K-2P-Y-DC3	G6	33 mA	3	91	3.31	2.97	2.63	2.36
653-G6K-2P-Y-DC4.5	G6K-2P-Y-DC4.5	G6	23.2 mA	4.5	194	3.31	2.97	2.63	2.36
653-G6K-2P-Y-DC5	G6K-2P-Y-DC5	G6	21.1 mA	5	237	3.31	2.97	2.63	2.36
653-G6K-2P-Y-DC12	G6K-2P-Y-DC12	G6	9.1 mA	12	1315	3.31	2.97	2.63	2.36
653-G6K-2P-Y-DC24	G6K-2P-Y-DC24	G6	4.6 mA	24	5220	3.31	2.97	2.63	2.36

DIMENSIONS: mm

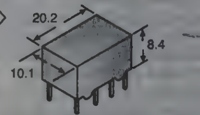
A



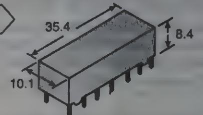
B



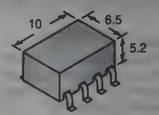
C



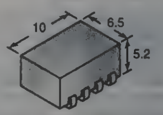
D



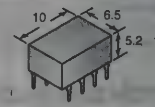
E



F

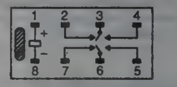


G

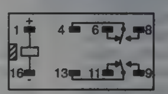


TERMINAL ARRANGEMENT

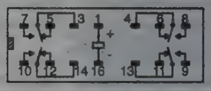
1



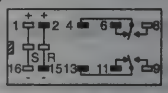
2



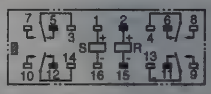
3



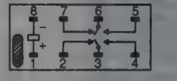
4



5



6



OMRON Low Signal Relays

OMRON
ELECTRONIC COMPONENTS

OMRON G6E SERIES: HIGH SENSITIVITY 3A SPDT LOW SIGNAL RELAYS

Features:
- High sensitivity allowing for digital circuitry control
- Unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
- Conforms to FCC part 68 voltage surge
- Bifurcated crossbar assures high reliability
- Highly resistant to shock and vibration

Specifications:
- Contact resistance: 50mΩ max.
- Contact material: Ag (Au clad)
- Power consumption: Standard coil - 200mW; Low-sensitivity coil - 400mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
Standard Non-Latching Coil									
653-G6E-134P-DC5	G6E-134P-ST-US-DC5	A1	40 mA	5	125	**3.90**	**3.54**	**3.15**	**2.83**
653-G6E-134P-DC12	G6E-134P-ST-US-DC12	A1	16.7 mA	12	720	**3.90**	**3.54**	**3.15**	**2.83**
653-G6E-134P-DC24	G6E-134P-ST-US-DC24	A1	8.3 mA	24	2880	**3.90**	**3.54**	**3.19**	**2.84**
Low-sensitivity Non-Latching Coil									
653-G6E-134PL-DC5	G6E-134PL-ST-US-DC5	A1	79.4 mA	5	63	**3.74**	**3.40**	**3.06**	**2.72**
653-G6E-134PL-DC12	G6E-134PL-ST-US-DC12	A1	33.3 mA	12	360	**3.74**	**3.40**	**3.06**	**2.72**
653-G6E-134PL-DC24	G6E-134PL-ST-US-DC24	A1	16.7 mA	24	1440	**3.74**	**3.40**	**3.06**	**2.72**
Standard Latching Dual Coil									
653-G6EK-134P-DC5	G6EK-134P-ST-US-DC5	A2	40 mA	5	125	**5.05**	**4.59**	**4.13**	**3.67**
653-G6EK-134P-DC12	G6EK-134P-ST-US-DC12	A2	16.7 mA	12	720	**5.05**	**4.59**	**4.13**	**3.67**
653-G6EK-134P-DC24	G6EK-134P-ST-US-DC24	A2	8.3 mA	24	2880	**5.23**	**4.75**	**4.28**	**3.80**

OMRON G6H SERIES: HIGH SENSITIVITY 1A DPDT LOW SIGNAL RELAYS

Specifications:
- Contact resistance: 50mΩ max.
- Carry current: 1A
- Power consumption:
  Standard non-latching coil - 3, 5, 9, and 12V - 140mW
  Standard non-latching coil - 24V - 200mW
  Standard non-latching coil - 48V - 300mW
  Standard latching dual coil - 3, 5, 9, and 12V - 200mW
  Standard latching dual coil - 24V - 300mW
  Standard latching single coil - 5 and 12V - 100mW
  Standard latching coil - 24V - 150mW

Features:
- Omron's unique moving magnet armature (Moving Loop System) reduces relay size, magnetic interference, and contact bounce time.
- Bifurcated crossbar assures high reliability
- Highly resistant to shock and vibration
- Low thermoelectromotive force
- Low magnetic interference allows for high density mounting

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
Standard Non-Latching Coil, PCB thru-hole									
653-G6H-2-DC3	G6H-2-DC3	B3	46.7 mA	3	64.3	**3.18**	**2.97**	**2.86**	**2.65**
653-G6H-2-DC5	G6H-2-DC5	B3	28.1 mA	5	178	**3.18**	**2.97**	**2.86**	**2.78**
653-G6H-2-DC9	G6H-2-DC9	B3	15.5 mA	9	579	**3.18**	**2.97**	**2.86**	**2.65**
653-G6H-2-DC12	G6H-2-DC12	B3	11.7 mA	12	1028	**3.18**	**2.97**	**2.86**	**2.78**
653-G6H-2-DC24	G6H-2-DC24	B3	8.3 mA	24	2880	**3.78**	**3.53**	**3.40**	**3.15**
653-G6H-2-DC48	G6H-2-DC48	B3	6.3 mA	48	7680	**4.92**	**4.59**	**4.43**	**4.10**
Standard Non-Latching Coil, SMT Gull-wing termination									
653-G6H-2F-DC3	G6H-2F-DC3	C3	46.7 mA	3	64.3	**3.60**	**3.36**	**3.24**	**3.00**
653-G6H-2F-DC5	G6H-2F-DC5	C3	28.1 mA	5	178	**3.60**	**3.36**	**3.24**	**3.00**
653-G6H-2F-DC12	G6H-2F-DC12	C3	11.7 mA	12	1028	**3.60**	**3.36**	**3.24**	**3.00**
653-G6H-2F-DC24	G6H-2F-DC24	C3	8.3 mA	24	2880	**4.29**	**4.00**	**3.86**	**3.58**
Standard Latching Single Coil, PCB thru-hole									
653-G6HU-2-DC5	G6HU-2-DC5	B4	20 mA	5	250	**3.78**	**3.53**	**3.40**	**3.15**
653-G6HU-2-DC12	G6HU-2-DC12	B4	8.3 mA	12	1440	**3.78**	**3.53**	**3.40**	**3.15**
653-G6HU-2-DC24	G6HU-2-DC24	B4	6.25 mA	24	3840	**4.29**	**4.00**	**3.86**	**3.58**
Standard Latching Dual Coil, PCB thru-hole									
653-G6HK-2-DC3	G6HK-2-DC3	B5	66.7 mA	3	45	**3.96**	**3.70**	**3.56**	**3.30**
653-G6HK-2-DC5	G6HK-2-DC5	B5	40 mA	5	125	**3.96**	**3.70**	**3.56**	**3.30**
653-G6HK-2-DC9	G6HK-2-DC9	B5	22.2 mA	9	405	**3.96**	**3.70**	**3.56**	**3.30**
653-G6HK-2-DC12	G6HK-2-DC12	B5	16.7 mA	12	720	**3.96**	**3.70**	**3.56**	**3.30**
653-G6HK-2-DC24	G6HK-2-DC24	B5	12.5 mA	24	1920	**4.53**	**4.23**	**4.08**	**3.78**

OMRON G6S SERIES: 2A DPDT LOW SIGNAL RELAYS

Features:
- Design based on worldwide communications, office automation, and computer peripheral relay requirements
- Conforms to FCC Part 68

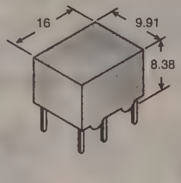
Specifications:
- Contact resistance: 75mΩ max.
- Max. carry current: 2A
- Power consumption: 5 and 12VDC - 140mW; 24VDC - 200mW

For quantities of 500 and up, call for quote.

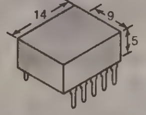
MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Curr.	Coil VDC	Coil Res. (Ω)	Price Each 1	25	50	100
SMT Gull-wing									
653-G6S-2F-DC5	G6S-2F-DC5	D6	28.1 mA	5	178	**4.68**	**4.10**	**3.80**	**3.61**
653-G6S-2F-DC12	G6S-2F-DC12	D6	11.7 mA	12	1028	**4.33**	**3.79**	**3.52**	**3.34**
653-G6S-2F-DC24	G6S-2F-DC24	D6	8.3 mA	24	2880	**5.34**	**4.67**	**4.34**	**4.12**
SMT Inside "L"									
653-G6S-2G-DC5	G6S-2G-DC5	E6	28.1 mA	5	178	**4.68**	**4.10**	**3.80**	**3.61**
653-G6S-2G-DC12	G6S-2G-DC12	E6	11.7 mA	12	1028	**4.68**	**4.10**	**3.80**	**3.61**
653-G6S-2G-DC24	G6S-2G-DC24	E6	8.3 mA	24	2880	**5.34**	**4.67**	**4.34**	**4.12**
PCB Thru-Hole									
653-G6S-2-DC45	G6S-2-DC4.5	F7	31 mA	4.5	145	**4.58**	**4.01**	**3.72**	**3.53**
653-G6S-2-DC5A	G6S-2-DC5	F7	28.1 mA	5	178	**4.58**	**4.01**	**3.72**	**3.53**
653-G6S-2-DC12A	G6S-2-DC12	F7	11.7 mA	12	1028	**4.58**	**4.01**	**3.72**	**3.53**
653-G6S-2-DC24A	G6S-2-DC24	F7	8.3 mA	24	2880	**5.14**	**4.50**	**4.18**	**3.96**

DIMENSIONS: mm

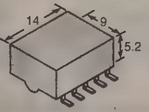
A



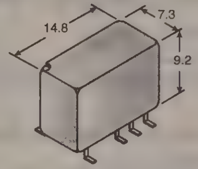
B



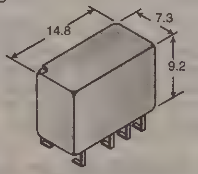
C



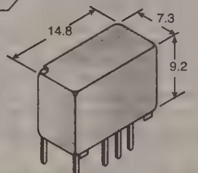
D



E

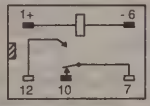


F

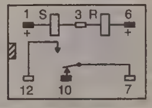


TERMINAL ARRANGEMENT

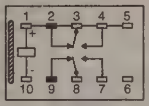
1



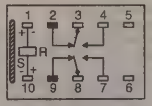
2



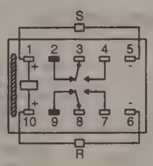
3



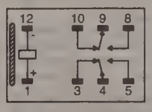
4



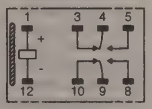
5



6



7



FUJITSU Power Relays

FBR160 SERIES : 1 POLE - 3, 5, 10 A

Features:

- Compact with high power (3 A to 10 A)
- UL/CSA recognized
- 6 types of contact materials for home electronics and automotive applications

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FBR161NED012U	FBR161NED012U-CSA	A	SPDT	12	3A	1.18	1.00	.85	.78

FTR-F1 SERIES : 2 POLES - 5 A LOW PROFILE TYPE

RoHS Compliant

Features:

- DPST/DPDT 5 A, TV-3 rating available
- Higher isolation by employing insulation construction
- Plastic sealed relay
- UL, CSA, VDE, SEMKO BSI recognized

For quantities of 2500 and up, call for quote.

817-FTR-F1CA005V	FTR-F1CA005V	B	DPDT	5	5A	2.28	1.94	1.65	1.52
817-FTR-F1CA006V	FTR-F1CA006V	B	DPDT	6	5A	2.28	1.94	1.65	1.52
817-FTR-F1CA012V	FTR-F1CA012V	B	DPDT	12	5A	2.28	1.94	1.65	1.52
817-FTR-F1CD012V	FTR-F1CD012V	B	DPDT	12	5A	2.50	2.13	1.82	1.67

FTR-F2 SERIES: 1 POLE, 5, 10 A CADMIUM FREE CONTACTS TYPE

RoHS Compliant

Features:

- High density mounting
- High Isolation
- High Noise resistance
- Heat resistance, flammability
- UL, CSA, VDE approved

For quantities of 2500 and up, call for quote.

817-FTR-F2AK048T	FTR-F2AK048T	C	SPST-NO	48	5A	1.78	1.51	1.29	1.18

FTR-H1 SERIES: 1 POLE - 10 A LOW PROFILE TYPE

RoHS Compliant

Features:

- Type of service: continuous duty
- UL class B (130°C) insulation
- High isolation in small package
- Plastic sealed relay
- UL, CSA, BSI, VDE, SEMKO, DEMKO approved

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-H1AA005V	FTR-H1AA005V	D	SPST-NO	5	10A	1.73	1.47	1.25	1.15
817-FTR-H1AA012V	FTR-H1AA012V	D	SPST-NO	12	10A	1.73	1.47	1.25	1.15
817-FTR-H1AA024V	FTR-H1AA024V	D	SPST-NO	24	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA005V	FTR-H1CA005V	E	SPDT	5	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA012V	FTR-H1CA012V	E	SPDT	12	10A	1.88	1.60	1.36	1.25
817-FTR-H1CA024V	FTR-H1CA024V	E	SPDT	24	10A	2.03	1.72	1.47	1.35

FTR-H3 SERIES: SILENT POWER RELAY 1 POLE - 10A LOW PROFILE TYPE

RoHS Compliant

Features:

- Pin compatible with widely used VS and FTR-H1 series
- Ultra silent relay unique U-shape design
- Noise level is about 50dB at 5cm
- High insolation in small package
- Contact Arrangement: 1 form A
- Lead free and cadmium free contacts
- Plastic sealed relay
- UL, CSA, BSI, VDE, SEMKO, DEMKO approved
- Low profile (height 16.5mm)
- Dielectric = 3,000VAC Surge =10,000V
- Contact Rating = 10A
- UL, CSA, VDE, CQC safety standards
- Sealed type relay
- Nominal Power = 530mW

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Material	Nominal Voltage (VDC)	Coil Resistance (± 10%)	Price Each			
						1	100	500	1000
817-FTR-H3AA005V	FTR-H3AA005V	F	Gold overlay silver alloy	5	47	2.57	2.19	1.87	1.71
817-FTR-H3AA009V	FTR-H3AA009V	F	Gold overlay silver alloy	9	155	2.77	2.35	2.01	1.84
817-FTR-H3AA012V	FTR-H3AA012V	F	Gold overlay silver alloy	12	270	2.77	2.35	2.01	1.84
817-FTR-H3AA024V	FTR-H3AA024V	F	Gold overlay silver alloy	24	1,100	2.92	2.49	2.13	1.95

FTR-K1 SERIES: 1 POLE - 16A LOW PROFILE TYPE

RoHS Compliant

Features:

- High density mounting
- High Isolation
- Heat Resistance, Flammability 94V-0
- Cadmium free contact for eco-program
- UL, CSA, VDE, SEMKO approved
- TV-5 rating approved, TV-8 available

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-K1CK024W	FTR-K1CK024W	G	SPDT	24	16A	3.00	2.55	2.18	2.00

FTR-K3 SERIES: 20A POWER RELAY

RoHS Compliant

Features:

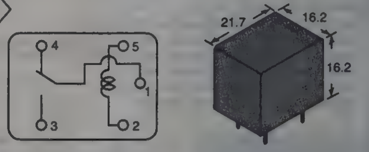
- Heavy duty for compressor and inverter loads
- High Sensitivity in small package
- Nominal Power 780mW
- High insulation with reinforced insulation system
- Clearance distance = 8mm Creepage distance = 9.5mm
- Dielectric = 5,000VAC Surge = 8,500V
- Contact Rating = 20A
- UL, CSA, VDE, CQC safety standards

For quantities of 2500 and up, call for quote.

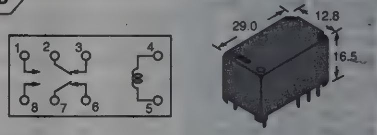
MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Coil Resistance (± 10%)	Price Each			
						1	100	500	1000
817-FTR-K3AB005W	FTR-K3AB005W	H	1 form A, PCB	5VDC	32	2.05	1.75	1.49	1.37
817-FTR-K3AB006W	FTR-K3AB006W	H	1 form A, PCB	6VDC	46	2.05	1.75	1.49	1.37
817-FTR-K3AB009W	FTR-K3AB009W	H	1 form A, PCB	9VDC	105	2.05	1.75	1.49	1.37
817-FTR-K3AB012W	FTR-K3AB012W	H	1 form A, PCB	12VDC	185	2.05	1.75	1.49	1.37
817-FTR-K3AB018W	FTR-K3AB018W	H	1 form A, PCB	18VDC	415	2.05	1.75	1.49	1.37
817-FTR-K3AB024W	FTR-K3AB024W	H	1 form A, PCB	24VDC	740	2.05	1.75	1.49	1.37
817-FTR-K3JB005W	FTR-K3JB005W	I	1 form A, TAB+PCB	5VDC	32	2.14	1.82	1.56	1.43
817-FTR-K3JB006W	FTR-K3JB006W	I	1 form A, TAB+PCB	6VDC.	46	2.14	1.82	1.56	1.43
817-FTR-K3JB009W	FTR-K3JB009W	I	1 form A, TAB+PCB	9VDC	105	2.14	1.82	1.56	1.43
817-FTR-K3JB012W	FTR-K3JB012W	I	1 form A, TAB+PCB	12VDC	185	2.14	1.82	1.56	1.43
817-FTR-K3JB018W	FTR-K3JB018W	I	1 form A, TAB+PCB	18VDC	415	2.14	1.82	1.56	1.43
817-FTR-K3JB024W	FTR-K3JB024W	I	1 form A, TAB+PCB	24VDC	740	2.14	1.82	1.56	1.43

DIMENSIONS: mm

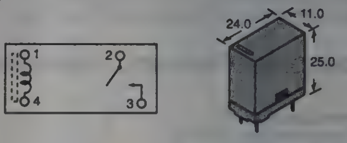
A



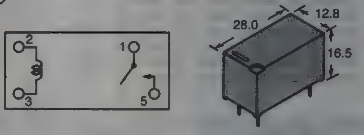
B



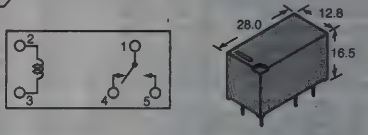
C



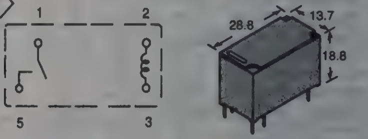
D



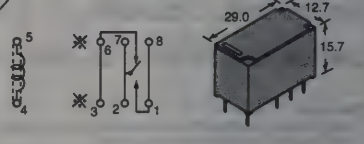
E



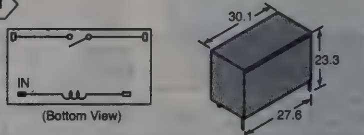
F



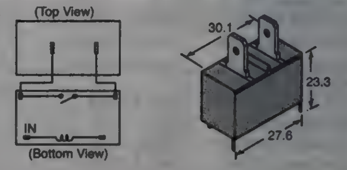
G



H



I



FUJITSU Power Relays

FTR-MY SERIES: 1 POLE - SLIM POWER RELAY

Features:
- Width: 5mm
- Height: 12mm
- Weight: 2.5g
- High Sensitive
- High reliability
- Dielectric Strength: 3000VAC

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FTR-MYAA005D	FTR-MYAA005D	A	SPST-NO	5	5A	3.58	3.04	2.75	2.35
817-FTR-MYAA012D	FTR-MYAA012D	A	SPST-NO	12	5A	3.58	3.04	2.75	2.35

JS SERIES: 1 POLE - 8 A (MEDIUM LOAD CONTROL)

Features:
- Low profile and space saving
- High sensitivity in small package
- Plastic sealed type
- UL Class B (130°C) insulation
- UL, CSA, VDE, SEV, SEMKO, FIMKO, BSI recognized

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-JS-24-K	JS-24-K	B	SPDT	24	8A	3.10	2.64	2.25	2.07
817-JS-5E-K	JS-5E-K	B	SPDT	5	8A	2.88	2.45	2.09	1.92
817-JS-12E-K	JS-12E-K	B	SPDT	12	8A	2.88	2.45	2.09	1.92
817-JS-24E-K	JS-24E-K	B	SPDT	24	8A	2.95	2.51	2.15	1.97

JV SERIES: 1 POLE - 5 A (MEDIUM LOAD CONTROL)

Features:
- Low profile and space saving
- High sensitivity in small package
- Plastic sealed type
- Cadmium free contacts
- High insulation with reinforced insulation system

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-JV-12S-KT	JV-12S-KT	C	SPST-NO	12	5A	2.00	1.70	1.45	1.33
817-JV-24S-KT	JV-24S-KT	C	SPST-NO	24	5A	2.20	1.87	1.60	1.47
817-JV-24-KT	JV-24-KT	C	SPST-NO	24	5A	2.08	1.77	1.51	1.38

JY SERIES: 1 POLE - 3, 5 A (MEDIUM LOAD CONTROL)

Features:
- High sensitivity and low power consumption
- High isolation
- Wide operating temperature range
- DIL through-hole terminals
- Plastic sealed type
- UL, CSA, VDE recognized

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-JY-12H-K	JY-12H-K	D	SPST-NO	12	5A	2.90	2.47	2.11	1.93
817-JY-24H-K	JY-24H-K	D	SPST-NO	24	5A	2.98	2.53	2.16	1.98

LZ SERIES: 1 POLE - 1, 3, 5, 10 A (MEDIUM LOAD CONTROL)

Features:
- 4 kinds of contact ratings
- Standard and high sensitivity types available
- High surge strength version available
- Printed circuit terminals - fits grid with 0.1 inch
- UL class B (130°C) insulation type

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-LZ-12H-K	LZ-12H-K	E	SPDT	12	5A	2.03	1.72	1.47	1.35
817-LZ-24HS-K	LZ-24HS-K	E	SPDT	24	5A	2.25	1.91	1.64	1.50
817-LZ-12VM-K	LZ-12VM-K	F	SPST-NO	12	10A	2.03	1.72	1.47	1.35

NY SERIES: 1 POLE - 5A ULTRA SLIM 5MM THICKNESS

Features:
- Ultra slim type with 5mm thickness
- Low power consumption and high sensitivity
- Wide operating range
- SIP through-hole terminals
- Plastic sealed type
- UL, CSA, VDE recognized
- Cadmium free contacts

RoHS Compliant

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-NY-12W-K	NY-12W-K	G	SPST-NO	12	5A	3.40	2.89	2.47	2.27
817-NY-24W-K	NY-24W-K	G	SPST-NO	24	5A	3.50	2.98	2.55	2.33

VE SERIES: 1 POLE - 5 A (MEDIUM LOAD CONTROL)

Features:
- Low cost, miniature relay with big performance in small package
- Slim type- for high density DIP through-hole mounting
- Wide operating temperature range
- Plastic sealed type
- UL, CSA, VDE recognized

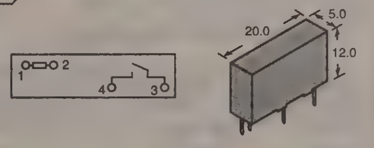
RoHS Compliant

For quantities of 2500 and up, call for quote.

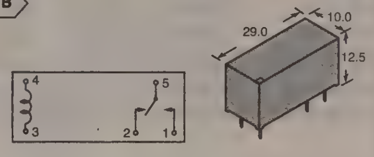
MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-VE-12H-K	VE-12H-K	H	SPDT	12	5A	2.15	1.83	1.56	1.43
817-VE-24HS-K	VE-24HS-K	H	SPDT	24	5A	2.25	1.91	1.64	1.50
817-VE-5HSE-K	VE-5HSE-K	H	SPDT	5	5A	2.15	1.83	1.56	1.43
817-VE-6HSE-K	VE-6HSE-K-UL	H	SPDT	6	5A	2.15	1.83	1.56	1.43
817-VE-24H5-K	VE-24H5-K	H	SPDT	24	5A	2.15	1.83	1.56	1.43

DIMENSIONS: mm

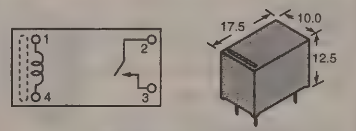
A



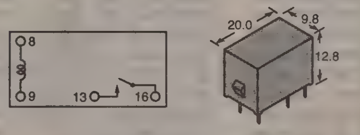
B



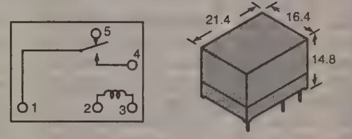
C



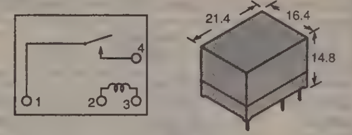
D



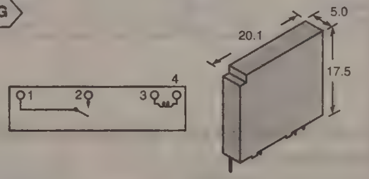
E



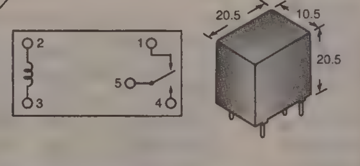
F



G



H



MAGNECRAFT Power Relays

CLASS 199 HEAVY DUTY POWER RELAYS

Specifications:

- Contact resistance: 50mΩ initially
- Coil power: 2.0 watts DC., 10 VA (60Hz) AC @ 25°C
- Panel mount, open style construction
- Contact material: Silver cadmium oxide, gold flashed
- Class 816 insulation
- Combination screw terminals
- Dielectric strength: 1500 Vrms

E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-199X-2	W199X-2	A	SPDT	40A	12 VDC	70	18.30	17.70	16.80	16.07
528-199X-12	W199X-12	B	DPDT	40A	12 VDC	70	24.53	23.05	22.06	21.08
528-199X-13	W199X-13	B	DPDT	40A	24 VDC	290	23.75	22.27	21.28	20.29
528-199X-7	W199X-7	C	DPST-NO	40A	12 VDC	70	20.87	19.59	18.23	17.87
528-199X-8	W199X-8	C	DPST-NO	40A	24 VDC	290	20.87	19.59	18.23	17.87
528-199AX-4	W199AX-4	A	SPDT	40A	120 VAC	290	19.46	18.26	17.46	16.67
528-199AX-14	W199AX-14	B	DPDT	40A	120 VAC	290	22.94	21.44	20.45	19.45
528-199AX-15	W199AX-15	B	DPDT	40A	240 VAC	1200	24.38	22.86	21.85	20.84
528-199AX-8	W199AX-8	C	DPST-NO	40A	24 VAC	12	20.79	19.54	18.65	17.79
528-199AX-9	W199AX-9	C	DPST-NO	40A	120 VAC	290	20.79	19.54	18.65	17.79

CLASS 782 GENERAL PURPOSE POWER RELAYS (FULL-FEATURED)

Specifications:

- Coil power: 0.9 watts DC, 1.2 VA (60Hz) AC @ 25°C
- Contact material: 3 amps bifurcated - silver gold plated
  3 amps - silver gold flashed
  10 & 15 amps - silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 1500 Vrms

Features:

- Lockdown door holds pushbutton and contacts in the operate position
- Flag indicator shows relay status of either manual or powered
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cove

Applications:

- Ideal in low light conditions
- Ideal to test control circuits

E43641 168986

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
Solder/Plug-in										
528-782X4-12D	782XBXM4L-12D	D1	DPDT	20A	12 VDC	160	7.70	7.12	6.79	6.45
528-782X4-24D	782XBXM4L-24D	D1	DPDT	20A	24 VDC	650	7.70	7.12	6.79	6.45
528-782X4-110D	782XBXM4L-110D	D1	DPDT	20A	110 VDC	11000	8.82	8.16	7.78	7.40
528-782X24-12D	782XDX2M4L-12D	D2	4PDT	10A	12 VDC	160	7.70	7.12	6.79	6.45
528-782X24-24D	782XDX2M4L-24D	D2	4PDT	10A	24 VDC	650	7.70	7.12	6.79	6.45
528-782X24-110D	782XDX2M4L-110D	D2	4PDT	10A	110 VDC	11000	8.82	8.16	7.78	7.40
528-782X4-24A	782XBXM4L-24A	D1	DPDT	20A	24 VAC	180	7.54	7.01	6.69	6.37
528-782X4-120A	782XBXM4L-120A	D1	DPDT	20A	120 VAC	4430	7.54	7.01	6.69	6.37
528-782X24-24A	782XDX2M4L-24A	D2	4PDT	10A	24 VAC	180	7.54	6.99	6.68	6.38
528-782X24-120A	782XDX2M4L-120A	D2	4PDT	10A	120 VAC	4430	7.54	6.99	6.68	6.34
528-782X24-240A	782XDX2M4L-240A	D2	4PDT	10A	240 VAC	15700	8.69	8.05	7.68	7.31
Q.C. Solder/Plug-In										
528-782X14-12D	782XDX1M4L-12D	D2	4PDT	3A	12 VDC	160	7.70	7.12	6.79	6.45
528-782X14-24D	782XDX1M4L-24D	D2	4PDT	3A	24 VDC	650	7.70	7.12	6.79	6.45
528-782X14-110D	782XDX1M4L-110D	D2	4PDT	3A	110 VDC	11000	8.82	8.16	7.78	7.40
528-782X14-120A	782XDX1M4L-120A	D2	4PDT	3A	120 VAC	4430	7.54	6.98	6.68	6.34
Solder/Plug-In, Bifurcated										
528-782X34-12D	782XDX3M4L-12D	D2	4PDT	3A	12 VDC	160	8.25	7.63	7.27	6.92
528-782X34-24D	782XDX3M4L-24D	D2	4PDT	3A	24 VDC	650	8.25	7.63	7.27	6.92
528-782X34-24A	782XDX3M4L-24A	D2	4PDT	3A	24 VAC	180	8.12	7.52	7.18	6.89

Sockets and Hold Down Clip for Class 782 Relays

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Description	Price Each			
				1	10	25	50
528-3781	70-378-1	----	14 Pin Solder terminals, 4 Pole	.81	.75	.72	.68
528-3791	70-379-1	----	14 Pin PC terminals, 4 Pole	1.11	1.03	.98	.93
528-401	70-401-1	----	8 Pin Solder terminals, 2 Pole	1.29	1.20	1.14	1.08
528-402	70-402-1	----	8 Pin PC terminals, 2 Pole	1.30	1.21	1.15	1.09
528-459	70-459-1	----	8 Pin DIN/Panel mount with screw terminals	4.75	4.41	4.18	3.95
528-461	70-461-1	----	14 Pin DIN/Panel mount with screw	3.30	3.05	2.89	2.72
528-16-1342	16-1342	----	Hold down clip for 782 relays	.53	.50	.45	.41

CLASS 9A SEALED GENERAL PURPOSE POWER RELAYS

Specifications:

- Rated at 30A; NC Contacts rated at 15A
- Contact resistance: 75mΩ @ 1A rated current
- Contact material: silver alloy
- Class F insulation
- Dielectric strength: 2500Vrms
- Mechanical Life: 10,000,000
- Flange Mounting
- 1/4" Quick-Connect Terminals for simple connection

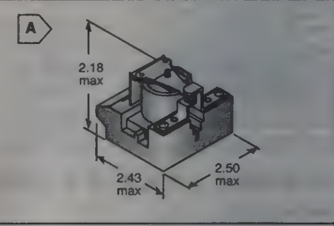
E43641

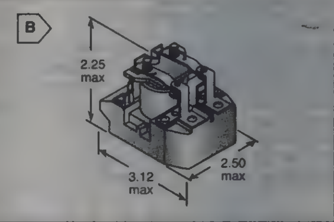
Flange Mount

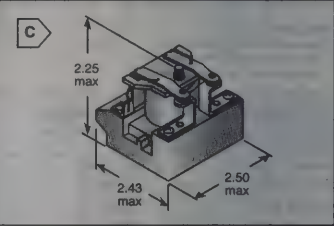
For quantities of 100 and up, call for quote.

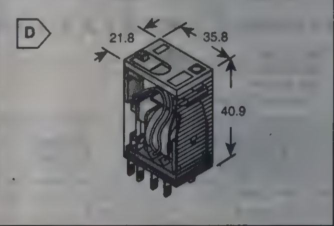
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-9152-5	W9AS1D52-5	E3	SPST-NO	30A	5 VDC	25	4.72	4.63	4.51	4.19
528-9152-12	W9AS1D52-12	E3	SPST-NO	30A	12 VDC	144	4.42	4.25	4.05	3.84
528-9152-24	W9AS1D52-24	E3	SPST-NO	30A	24 VDC	576	4.42	4.25	4.05	3.84
528-9552-5	W9AS5D52-5	E4	SPDT	20A	5 VDC	25	4.89	4.70	4.48	4.26
528-9552-12	W9AS5D52-12	E4	SPDT	20A	12 VDC	144	4.89	4.70	4.48	4.26

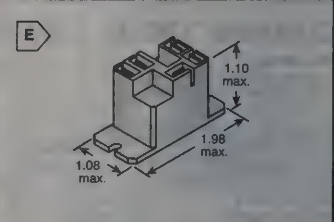
DIMENSIONS: mm



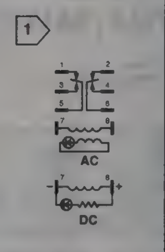


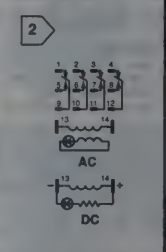


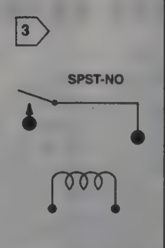


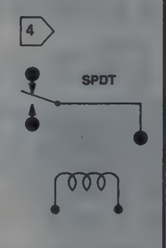


TERMINAL ARRANGEMENT









MAGNECRAFT PCB Relays

CLASS 276 SEALED LOW PROFILE POWER PCB RELAYS

Specifications:

- Contact resistance: 100mΩ initial @ 6 VDC, 1 Amp
- Coil power: 200mW approx
- Coil resistance: ±10%
- Contact material: silver alloy
- Dielectric strength: 2000 V rms
- Insulation resistance: 500 VDC exceeds 1000MΩ min
- Operating temperature: -40°C to +70°C
- Electrical life: 100,000 operations @ rated resistive load
- DTL compatible single-side stable design
- 5KV surge resistance coil to contact

RoHS Compliant

UL Recognized
File No. E190964

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-2761-5	276XAXH-5D	A1	SPDT	7A	5 VDC	125	5.50	5.13	4.89	4.64
528-2761-12	276XAXH-12D	A1	SPDT	7A	12 VDC	720	7.75	7.13	6.77	6.42
528-2761-24	276XAXH-24D	A1	SPDT	7A	24 VDC	2880	7.75	7.13	6.77	6.42
528-2762-5	276AXXH-5D	A2	SPST-NO	10A	5 VDC	125	8.28	7.76	7.43	7.09
528-2762-12	276AXXH-12D	A2	SPST-NO	10A	12 VDC	720	5.40	5.06	4.83	4.60
528-2762-24	276AXXH-24D	A2	SPST-NO	10A	24 VDC	2880	8.28	7.76	7.43	7.09

CLASS 976 SEALED SLIM-LINE PCB RELAYS

Specifications:

- Contact resistance: 100mΩ min
- Coil power: AC 1.2 VA, DC 0.54 watts
- Coil resistance: ±10% measured @ 25°C
- Contact material: silver cadmium oxide
- Dielectric strength: 5000 V rms
- Insulation resistance: 100MΩ 500 VDC
- Operating temperature: -20°C to +55°C
- Electrical life: 100,000 operations @ rated resistive load
- Class B insulation

TÜV

UL Recognized
File No. E191122

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-976A-5D	976XAXH-5D	B3	SPDT	12A	5 VDC	47	3.70	3.42	3.25	3.10
528-976A-12D	976XAXH-12D	B3	SPDT	12A	12 VDC	270	3.70	3.42	3.25	3.10
528-976A-120A	976XAXH-120A	B3	SPDT	12A	120 VAC	5600	5.45	5.04	4.80	4.56
528-976AH-12D	976XAX97H-12D	B4	SPDT	20A	12 VDC	270	4.14	3.82	3.64	3.45
528-976AH-24D	976XAX97H-24D	B4	SPDT	20A	24 VDC	1100	4.25	3.95	3.75	3.56
528-976AH-24A	976XAX97H-24A	B4	SPDT	20A	24 VAC	250	3.72	3.45	3.27	3.20
528-976AH-120A	976XAX97H-120A	B4	SPDT	20A	120 VAC	5600	5.98	5.53	5.27	5.00
528-976B-12D	976XBXH-12D	B5	DPDT	5A	12 VDC	270	4.37	4.08	3.84	3.65
528-976B-24D	976XBXH-24D	B5	DPDT	5A	24 VDC	1100	3.51	3.31	3.11	2.90
528-976B-24A	976XBXH-24A	B5	DPDT	5A	24 VAC	250	4.90	4.53	4.31	4.09
528-976B-120A	976XBXH-120A	B5	DPDT	5A	120 VAC	5600	5.99	5.59	5.32	5.06

CLASS 7 SEALED SUBMINIATURE PCB RELAYS

- Contact resistance: 100mΩ max @ 6 VDC 10mA
- Coil power: 200 mW min sensitivity
- Contact material: gold clad silver palladium
- Conforms to FCC Part 68. 1000 V dielectric withstanding voltage

UL Recognized
File No. E258297

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-720-1	W7PCX-1	C6	SPDT	2A	5 VDC	75	6.75	6.47	6.16	5.85
528-720-4	W7PCX-4	C6	SPDT	2A	24 VDC	1550	6.75	6.47	6.16	5.85
528-720-5	W7PCX-5	C7	DPDT	2A	5 VDC	75	8.70	8.36	7.95	7.54
528-720-7	W7PCX-7	C7	DPDT	2A	12 VDC	440	8.75	8.41	8.00	7.59
528-720-8	W7PCX-8	C7	DPDT	2A	24 VDC	1550	8.70	8.36	7.95	7.54

CLASS 60 MINIATURE PCB RELAYS

- Contact resistance: Initial 50mΩ @ 6 VDC, 10mA, 100mΩ max
- Coil power: 200 mW min sensitivity
- Contact material: gold clad silver palladium
- Conforms to FCC Part 68. 1000 V dielectric withstanding voltage
- Bifurcated contacts for low level switches

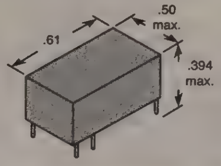
UL Recognized
File No. E258297

For quantities of 100 and up, call for quote.

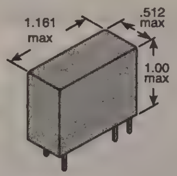
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-6001-12	W60HE1S-12DC	D8	SPDT	2A	12 VDC	440	18.95	17.47	16.61	15.77
528-6001-24	W60HE1S-24DC	D8	SPDT	2A	24 VDC	1550	18.95	17.47	16.61	15.77
528-6002-5	W60HE2S-5DC	D9	DPDT	2A	5 VDC	75	23.23	21.42	20.38	19.34
528-6002-12	W60HE2S-12DC	D9	DPDT	2A	12 VDC	440	23.23	21.42	20.38	19.34

DIMENSIONS: In.

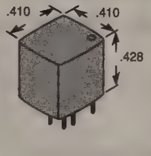
A



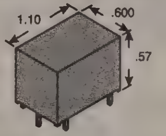
B



C

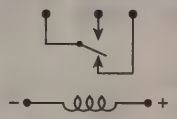


D



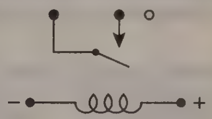
TERMINAL ARRANGEMENT

1



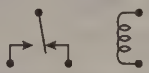
SPDT

2



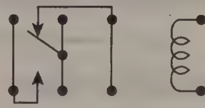
SPST-NO

3

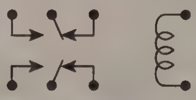


SPDT

4

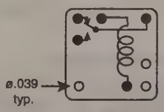


5



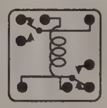
DPDT

6



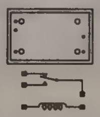
SPDT

7



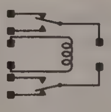
DPDT

8



SPDT

9



DPDT

OMRON Power PCB Relays

RoHS Compliant This page of product is compliant.

OMRON G4A SERIES: 20A MINIATURE POWER PCB RELAYS

- Vented construction
- Power consumption: 900 mW
- Highly noise-resistive insulation materials
- Contact rating: 20A @ 250VAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Termination	Price Each			
						1	25	50	100
653-G4A-1AE-DC5	G4A-1A-E-DC5	A1	SPST-NO	5 VDC	PCB & QC	5.76	4.56	4.08	3.84
653-G4A-1AE-DC12	G4A-1A-E-DC12	A1	SPST-NO	12 VDC	PCB & QC	5.76	4.56	4.08	3.84
653-G4A-1AE-DC24	G4A-1A-E-DC24	A1	SPST-NO	24 VDC	PCB & QC	5.76	4.56	4.08	3.84
653-G4A-1APE-DC12	G4A-1A-P-E-DC12	B2	SPST-NO	12 VDC	PCB	6.14	4.86	4.35	4.10
653-G4A-1APE-DC24	G4A-1A-P-E-DC24	B2	SPST-NO	24 VDC	PCB	6.14	4.86	4.35	4.10

OMRON G4W SERIES: 15A POWER PCB RELAYS

- Sealed Construction
- Power consumption: 800 mW
- Impulse dielectric strength: 10,000 VAC between coil and contact
- Contact material: AgCdO

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G4W-1114P-DC12	G4W-1114P-US-TV8HP-DC12	C3	SPST-NO	12 VDC	66.7 mA	5.73	4.53	4.06	3.82
653-G4W-1114P-DC24	G4W-1114P-US-TV8HP-DC24	C3	SPST-NO	24 VDC	33.3 mA	5.73	4.53	4.06	3.82
653-G4W-2214P-DC12	G4W-2214P-US-HP-DC12	C4	DPST-NO	12 VDC	66.7 mA	6.81	5.39	4.82	4.54
653-G4W-2214P-DC24	G4W-2214P-US-HP-DC24	C4	DPST-NO	24 VDC	33.3 mA	6.81	5.39	4.82	4.54

OMRON G5CA SERIES: POWER PCB RELAYS

Specifications:

- Contact rating: Standard type - 10A @ 250 VAC
  High-capacity type - 15A @ 110 VAC
- Contact material: Ag alloy
- Power consumption: Standard type - 200 mW
  High-sensitivity type: 150 mW

RoHS Compliant

Standard Type with Vented Construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5CA-1A-DC5	G5CA-1A-DC5	D4	SPST-NO	5 VDC	40 mA	3.43	3.01	2.68	2.43
653-G5CA-1A-DC12	G5CA-1A-DC12	D4	SPST-NO	12 VDC	16.7 mA	3.43	3.01	2.68	2.43

Standard Type with Sealed Construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5CA-1A4-DC5	G5CA-1A4-DC5	D4	SPST-NO	5 VDC	40 mA	3.26	2.87	2.55	2.31
653-G5CA-1A4-DC12	G5CA-1A4-DC12	D4	SPST-NO	12 VDC	16.7 mA	3.26	2.87	2.55	2.31
653-G5CA-1A4-DC24	G5CA-1A4-DC24	D4	SPST-NO	24 VDC	8.3 mA	3.37	2.96	2.63	2.38

Hi Capacity Type with Vented Construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5CA-1A-E-DC5	G5CA-1A-E-DC5	D4	SPST-NO	5 VDC	30 mA	3.09	2.71	2.41	2.19
653-G5CA-1A-E-DC12	G5CA-1A-E-DC12	D4	SPST-NO	12 VDC	12.5 mA	3.09	2.71	2.41	2.19
653-G5CA-1A-E-DC24	G5CA-1A-E-DC24	D4	SPST-NO	24 VDC	6.25 mA	3.09	2.71	2.41	2.19

OMRON G5LB SERIES: 10A "SUGAR CUBE" POWER PCB RELAYS

Specifications:

- Class B insulation
- Power Consumption: 380mW
- Contact rating: 10A @ 120VAC
- Contact material: AgSnO2

RoHS Compliant

Unsealed Construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5LB-1-DC5	G5LB-1-DC5	E5	SPDT	5 VDC	72 mA	1.91	1.72	1.54	1.36
653-G5LB-1-DC12	G5LB-1-DC12	E5	SPDT	12 VDC	30.7 mA	1.91	1.72	1.54	1.36
653-G5LB-1-DC24	G5LB-1-DC24	E5	SPDT	24 VDC	15.2 mA	1.91	1.72	1.54	1.36
653-G5LB-1A-DC5	G5LB-1A-DC5	E6	SPST-NO	5 VDC	72 mA	1.90	1.72	1.54	1.35
653-G5LB-1A-DC12	G5LB-1A-DC12	E6	SPST-NO	12 VDC	30.7 mA	1.90	1.72	1.54	1.35
653-G5LB-1A-DC24	G5LB-1A-DC24	E6	SPST-NO	24 VDC	15.2 mA	1.90	1.72	1.54	1.35

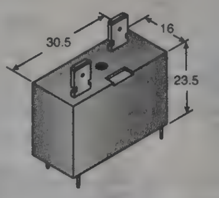
Sealed Construction

For quantities of 500 and up, call for quote.

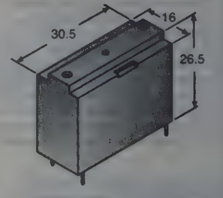
MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5LB-14-DC5	G5LB-14-DC5	E5	SPDT	5 VDC	72 mA	1.91	1.73	1.54	1.36
653-G5LB-14-DC12	G5LB-14-DC12	E5	SPDT	12 VDC	30.7 mA	1.91	1.73	1.54	1.36
653-G5LB-14-DC24	G5LB-14-DC24	E5	SPDT	24 VDC	15.2 mA	1.91	1.73	1.54	1.36
653-G5LB-1A4-DC5	G5LB-1A4-DC5	E6	SPST-NO	5 VDC	72 mA	1.95	1.77	1.58	1.40
653-G5LB-1A4-DC12	G5LB-1A4-DC12	E6	SPST-NO	12 VDC	30.7 mA	1.95	1.77	1.58	1.40
653-G5LB-1A4-DC24	G5LB-1A4-DC24	E6	SPST-NO	24 VDC	15.2 mA	1.91	1.72	1.54	1.36

DIMENSIONS: mm

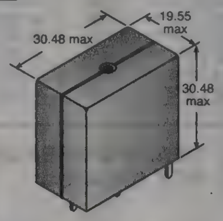
A



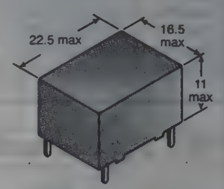
B



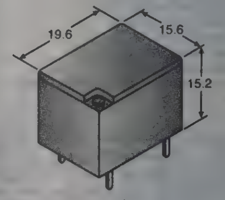
C



D

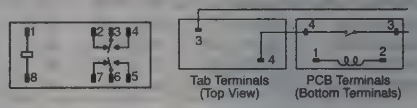


E

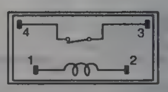


TERMINAL ARRANGEMENT

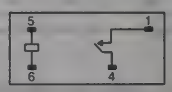
1



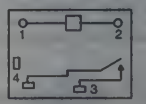
2



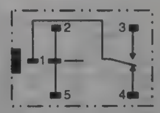
3



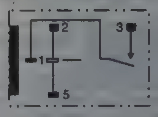
4



5



6



OMRON Power PCB Relays

OMRON G5LE SERIES: 10A "SUGAR CUBE" POWER PCB RELAYS

Specifications:
- Contact rating: 10A @ 120VAC
- Max. switching current: 10A AC 8A DC
- Power consumption: 400mW
- Class B insulation
- Contact material: $AgSnO_2$

Vented Construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5LE-1-DC5	G5LE-1-DC5	A1	SPDT	5 VDC	79.4 mA	1.45	1.41	1.37	1.30
653-G5LE-1-DC12	G5LE-1-DC12	A1	SPDT	12 VDC	33.3 mA	1.45	1.41	1.37	1.30
653-G5LE-1-DC24	G5LE-1-DC24	A1	SPDT	24 VDC	16.7 mA	1.45	1.41	1.37	1.30

Sealed Construction

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5LE-14-DC5	G5LE-14-DC5	A1	SPDT	5 VDC	79.4 mA	.96	.92	.88	.81
653-G5LE-14-DC6	G5LE-14-DC6	A1	SPDT	6 VDC	66.7 mA	.96	.93	.91	.86
653-G5LE-14-DC9	G5LE-14-DC9	A1	SPDT	9 VDC	45 mA	.96	.93	.91	.86
653-G5LE-14-DC12	G5LE-14-DC12	A1	SPDT	12 VDC	33.3 mA	.96	.92	.88	.81
653-G5LE-14-DC24	G5LE-14-DC24	A1	SPDT	24 VDC	16.7 mA	.96	.92	.88	.81
653-G5LE-1A4-DC5	G5LE-1A4-DC5	A2	SPST-NO	5 VDC	79.4 mA	.96	.93	.91	.86
653-G5LE-1A4-DC6	G5LE-1A4-DC6	A2	SPST-NO	6 VDC	66.7 mA	.98	.95	.93	.88
653-G5LE-1A4-DC9	G5LE-1A4-DC9	A2	SPST-NO	9 VDC	45 mA	.96	.93	.91	.86
653-G5LE-1A4-DC12	G5LE-1A4-DC12	A2	SPST-NO	12 VDC	33.3 mA	.96	.93	.91	.86
653-G5LE-1A4-DC24	G5LE-1A4-DC24	A2	SPST-NO	24 VDC	16.7 mA	.96	.93	.91	.86

OMRON G5LE-E SERIES: POWER PCB RELAY

Specifications:
- Contact Rating: 16A @250 VAC
- Power Consumption: 400mW / 700mW / 360mW
- Impulse Withstand Voltage: 4500V between coil and contacts
- Class F insulation

NEW FROM SUPPLIER

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5LE-1-E-36-DC5	G5LE-1-E-36-DC5	B3	SPDT	5 VDC	72.0 mA	3.05	2.84	2.35	1.89
653-G5LE-1-E-36-DC12	G5LE-1-E-36-DC12	B3	SPDT	12 VDC	30.0 mA	3.05	2.84	2.35	1.89
653-G5LE-1-E-36-DC24	G5LE-1-E-36-DC24	B3	SPDT	24 VDC	15.0 mA	3.05	2.84	2.35	1.89
653-G5LE-1-E-DC5	G5LE-1-E-DC5	B3	SPDT	5 VDC	80.0 mA	2.88	2.68	2.22	1.78
653-G5LE-1-E-DC12	G5LE-1-E-DC12	B3	SPDT	12 VDC	33.3 mA	2.88	2.68	2.22	1.78
653-G5LE-1-E-DC24	G5LE-1-E-DC24	B3	SPDT	24 VDC	16.7 mA	2.88	2.68	2.22	1.78
653-G5LE-1-G-DC12	G5LE-1-G-DC12	C4	SPDT	12 VDC	58.3 mA	2.64	2.45	2.03	1.63
653-G5LE-1-G-DC24	G5LE-1-G-DC24	C4	SPDT	24 VDC	29.2 mA	2.64	2.45	2.03	1.63
653-G5LE-1A-E-DC5	G5LE-1A-E-DC5	B5	SPST-NO	5 VDC	80.0 mA	2.90	2.70	2.23	1.80
653-G5LE-1A-E-DC12	G5LE-1A-E-DC12	B5	SPST-NO	12 VDC	33.3 mA	2.90	2.70	2.23	1.80
653-G5LE-1A-E-DC24	G5LE-1A-E-DC24	B5	SPST-NO	24 VDC	16.7 nA	2.90	2.70	2.23	1.80

OMRON G5NB SERIES: 3A PCB RELAY W/ HIGH WITHSTAND VOLTAGE

Specifications:
- Rated load: 3 A @ 125VAC/30VDC
- Power consumption: 200mW
- Impulse withstand voltage: 10,000 V between coil and contacts

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5NB-1A-DC5	G5NB-1A-DC5	D6	SPST-NO	5 VDC	40 mA	2.15	1.93	1.70	1.53
653-G5NB-1A-DC12	G5NB-1A-DC12	D6	SPST-NO	12 VDC	16.7 mA	2.15	1.93	1.70	1.53
653-G5NB-1A-DC24	G5NB-1A-DC24	D6	SPST-NO	24 VDC	8.3 mA	2.15	1.93	1.70	1.53

OMRON G5LA SERIES: FULLY SEALED POWER PCB RELAYS

Specifications:
- Sub miniature: "Sugar Cube" relay with universal terminal footprint.
- Conforms to VDE0435,UL508,CSA22.2,CQC
- High switching power: 10A 250VAC
- Withstands impulse of up to 4,500V
- Coil power consumption: 360mW
- UL class-F insulation type also available
- Tracking resistance: CTI>250
- Contains no lead inside and features cadmium-free contacts ensuring environment-friendly use
- Class F Classification
- Contact Rating: 10A @ 250 VAC (NO)/ 5A @ 125 VAC (NO./NC.)

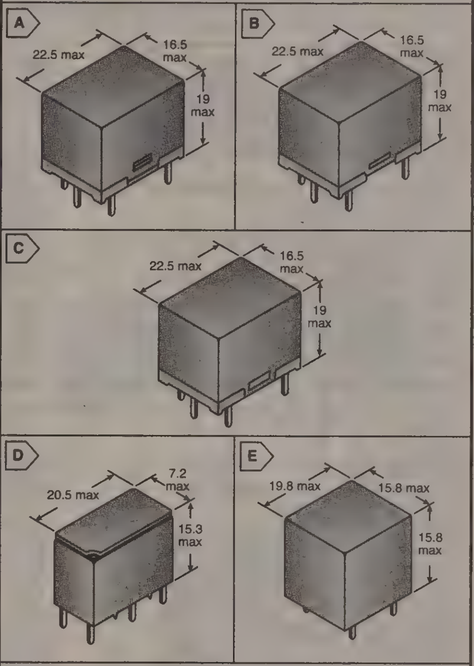
NEW FROM SUPPLIER

RoHS Compliant

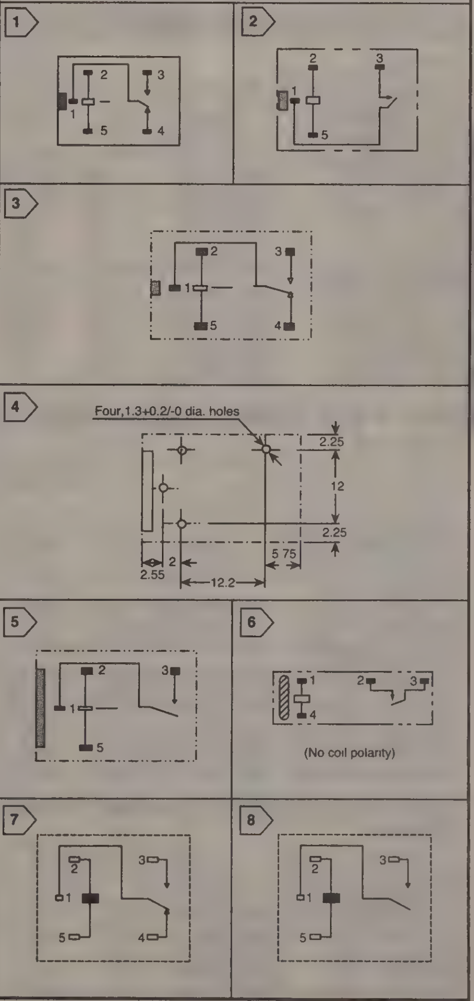
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5LA-14-DC9	G5LA-14-DC9	E7	SPDT	9 VDC	40 mA	.93	.86	.71	.57
653-G5LA-1A4-DC5	G5LA-1A4-DC5	E8	SPST-NO	5 VDC	72 mA	.90	.84	.69	.56
653-G5LA-1A4-DC9	G5LA-1A4-DC9	E8	SPST-NO	9 VDC	40 mA	.90	.84	.69	.56
653-G5LA-1A4-DC12	G5LA-1A4-DC12	E8	SPST-NO	12 VDC	30 mA	.90	.84	.69	.56
653-G5LA-1A4-DC24	G5LA-1A4-DC24	E8	SPST-NO	24 VDC	15 mA	.94	.87	.72	.58
653-G5LA-1A4-DC48	G5LA-1A4-DC48	E8	SPST-NO	48 VDC	10 mA	1.05	.98	.81	.65
653-G5LA-14-CF-DC5	G5LA-14-CF-DC5	E7	SPDT	5 VDC	72 mA	.99	.92	.76	.61
653-G5LA-14-CF-DC9	G5LA-14-CF-DC9	E7	SPDT	9 VDC	40 mA	.99	.92	.76	.61
653-G5LA-14-CF-DC12	G5LA-14-CF-DC12	E7	SPDT	12 VDC	30 mA	.99	.92	.76	.61
653-G5LA-14-CF-DC24	G5LA-14-CF-DC24	E7	SPDT	24 VDC	15 mA	1.02	.95	.79	.63
653-G5LA-14-CF-DC48	G5LA-14-CF-DC48	E7	SPDT	48 VDC	10 mA	1.14	1.06	.88	.71

DIMENSIONS: mm



TERMINAL ARRANGEMENT



OMRON Power PCB Relays

RoHS Compliant This page of product is compliant.

OMRON G2RG SERIES: FULLY SEALED POWER PCB RELAYS

- Contact rating: 8A @ 250VDC
- Power consumption: 800mW
- Dimensions and mounting holes same as G2R
- Contact material: Ag Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G2RG-2A4-DC12	G2RG-2A4-DC12	A1	DPST-NO	12 VDC	66.6 mA	4.75	4.35	4.02	3.57
653-G2RG-2A4-DC24	G2RG-2A4-DC24	A1	DPST-NO	24 VDC	33.3 mA	4.75	4.35	4.02	3.57

OMRON G2RL SERIES: HIGH ISOLATION POWER PCB RELAYS

Features:
- Ideal for high temperature applications: cooking ovens, HVAC, local heating, power supplies, etc.
- Low profile for total size reduction.
- Simplified and efficient harnessing with quick-connect terminals.

Specifications:
- Enclosure Ratings: Flux protection
- Contact Form: SPST-NO
- Switching Capacity: 16A@250VAC@105°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Ratings	Rated Coil Voltage	Rated Coil Voltage	Terminal Pitch	Price Each			
							1	25	50	100
653-G2RL1ATP5EDC12	G2RL-1ATP5-E-DC12	B2	16A	12 VDC	33.3mA	5mm	4.22	3.94	3.26	2.62
653-G2RL1ATP5EDC24	G2RL-1ATP5-E-DC24	B2	16A	24 VDC	16.7mA	5mm	4.22	3.94	3.26	2.62
653-G2RL1ATP7EDC12	G2RL-1ATP7-E-DC12	B2	16A	12 VDC	33.3mA	7mm	4.16	3.87	3.21	2.58
653-G2RL1ATP7EDC24	G2RL-1ATP7-E-DC24	B2	16A	24 VDC	16.7mA	7mm	4.16	3.87	3.21	2.58

OMRON G2RL SERIES: LOW PROFILE POWER PCB RELAYS

- Contact rating: 1-pole - 12A @ 250VAC/24VDC; 2-pole - 8A @ 250VAC/30VDC
- Contact material: 1-pole - AgSnO; 22-pole - AgNi
- Power consumption: 400 mW

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
Sealed Class F Insulation									
653-G2RL-14-DC5	G2RL-14-CF-DC5	C3	SPDT	5 VDC	80 mA	3.36	3.07	2.85	2.48
653-G2RL-14-DC12	G2RL-14-CF-DC12	C3	SPDT	12 VDC	33.33 mA	3.22	2.94	2.73	2.38
653-G2RL-14-DC24	G2RL-14-CF-DC24	C3	SPDT	24 VDC	16.7 mA	3.36	3.07	2.85	2.48
653-G2RL-24-DC5	G2RL-24-CF-DC5	C4	DPDT	5 VDC	80 mA	3.77	3.44	3.20	2.79
653-G2RL-24-DC12	G2RL-24-CF-DC12	C4	DPDT	12 VDC	33.33 mA	3.85	3.61	3.00	2,88
653-G2RL-24-DC24	G2RL-24-CF-DC24	C4	DPDT	24 VDC	16.7 mA	3.74	3.41	3.17	2.76
Vented Class F Insulation									
653-G2RL-1A-DC5	G2RL-1A-CF-DC5	C5	SPST-NO	5 VDC	80 mA	2.48	2.27	2.11	1.84
653-G2RL-1A-DC12	G2RL-1A-CF-DC12	C5	SPST-NO	12 VDC	33.33 mA	2.67	2.44	2.26	1.97
653-G2RL-1A-DC24	G2RL-1A-CF-DC24	C5	SPST-NO	24 VDC	16.7 mA	2.67	2.44	2.26	1.97

OMRON G5Q SERIES: COMPACT, HIGH ISOLATION POWER PCB RELAYS

Specifications:
- Contact rating: 10A (NO)/3A (NC)
- Power consumption: SPST-NO - 400mW SPDT - 200 mW
- Impulse withstand voltage: 8,000 V between coil and contacts
- Contact material: Ag Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
Vented Construction									
653-G5Q-1A-DC5	G5Q-1A-DC5	D6	SPST-NO	5 VDC	40 mA	1.89	1.81	1.72	1.55
653-G5Q-1A-DC12	G5Q-1A-DC12	D6	SPST-NO	12 VDC	16.7 mA	1.89	1.81	1.72	1.55
653-G5Q-1A-DC24	G5Q-1A-DC24	D6	SPST-NO	24 VDC	8.3 mA	1.89	1.81	1.72	1.55
653-G5Q-1-DC5	G5Q-1-DC5	D7	SPDT	5 VDC	80 mA	1.98	1.89	1.80	1.62
653-G5Q-1-DC12	G5Q-1-DC12	D7	SPDT	12 VDC	33.3 mA	1.98	1.89	1.80	1.62
653-G5Q-1-DC24	G5Q-1-DC24	D7	SPDT	24 VDC	16.7 mA	2.33	2.22	2.12	1.90
Sealed Construction									
653-G5Q-1A4-DC5	G5Q-1A4-DC5	D6	SPST-NO	5 VDC	40 mA	2.02	1.93	1.84	1.66
653-G5Q-1A4-DC12	G5Q-1A4-DC12	D6	SPST-NO	12 VDC	16.7 mA	2.02	1.93	1.84	1.66
653-G5Q-1A4-DC24	G5Q-1A4-DC24	D6	SPST-NO	24 VDC	8.3 mA	2.02	1.93	1.84	1.66
653-G5Q-14-DC5	G5Q-14-DC5	D7	SPDT	5 VDC	80 mA	2.11	2.02	1.92	1.73
653-G5Q-14-DC12	G5Q-14-DC12	D7	SPDT	12 VDC	33.3 mA	2.01	1.92	1.82	1.64
653-G5Q-14-DC24	G5Q-14-DC24	D7	SPDT	24 VDC	16.7 mA	2.11	2.02	1.92	1.73

OMRON G5RL SERIES: SINGLE-POLE, 16-A POWER PCB RELAYS

Specifications:
- Contact Rating: 16A @ 250 VAC (NO)/ 5A @ 24 VDC (NC)
- Clearance and creepage distance:
  Between coil and contacts: 8 mm/8 mm
  Between contacts of the same polarity: 3 mm/4 mm
- Inrush peak currents up to 100A (DC models only)
- High Capacity - Class F
- Flux Protection

* Rated Coil Current @ 60Hz

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
Hi-Capacity, SPDT									
*653-G5RL-1E-AC24	G5RL-1-E-AC24	E8	SPDT	24 VAC	28.3 mA	5.31	4.68	4.25	3.83
*653-G5RL-1E-AC120	G5RL-1-E-AC115/120	E8	SPDT	120 VAC	5.35/5.70 mA	6.48	5.70	5.18	4.66
*653-G5RL-1E-AC240	G5RL-1-E-AC230/240	E8	SPDT	240 VAC	2.76/2.88 mA	10.58	9.30	8.46	7.61
Hi-Inrush, SPST-NO									
653-G5RL-1AEHR-DC5	G5RL-1A-E-HR-DC5	E8	SPST-NO	5 VDC	80 mA	2.60	2.42	2.00	1.61
653-G5RL-1AEHR-DC12	G5RL-1A-E-HR-DC12	E8	SPST-NO	12VDC	33.3 mA	2.60	2.42	2.00	1.61
653-G5RL-1AEHR-DC24	G5RL-1A-E-HR-DC24	E8	SPST-NO	24VDC	16.7 mA	2.60	2.42	2.00	1.61
Hi-Inrush, SPST									
653-G5RL-1-E-HR-DC5	G5RL-1-E-HR-DC5	E8	SPDT	5 VDC	80.0 mA	2.92	2.72	2.52	1.81
653-G5RL-1-E-HR-DC12	G5RL-1-E-HR-DC12	E8	SPDT	12 VDC	33.3 mA	2.92	2.72	2.52	1.81
653-G5RL-1-E-HR-DC24	G5RL-1-E-HR-DC24	E8	SPDT	24 VDC	16.7 mA	2.92	2.72	2.52	1.81

OMRON G5SB SERIES: COMPACT POWER PCB RELAYS

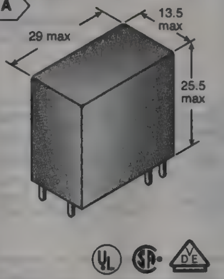
Specifications:
- Contact rating: 5A (NO)/ 3A (NC)
- Power consumption: 400mW
- Impulse withstand voltage: 8,000V between coil and contacts

For quantities of 500 and up, call for quote.

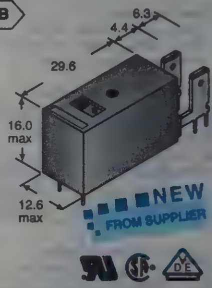
MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G5SB-14-DC5	G5SB-14-DC5	F9	SPDT	5 VDC	80 mA	1.72	1.54	1.26	1.15
653-G5SB-14-DC9	G5SB-14-DC9	F9	SPDT	9 VDC	44.4 mA	1.72	1.54	1.26	1.15
653-G5SB-14-DC12	G5SB-14-DC12	F9	SPDT	12 VDC	33.3 mA	1.39	1.25	1.02	.93
653-G5SB-14-DC24	G5SB-14-DC24	F9	SPDT	24 VDC	16.7 mA	1.57	1.41	1.15	1.05

DIMENSIONS: mm

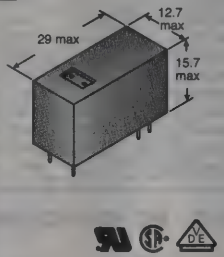
A



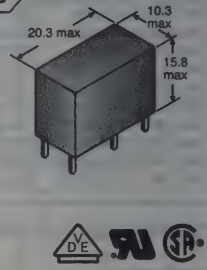
B



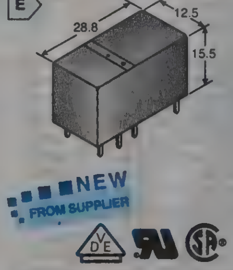
C



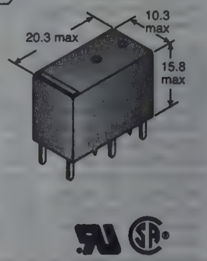
D



E

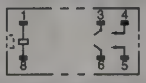


F

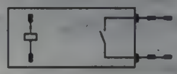


TERMINAL ARRANGEMENT

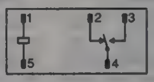
1



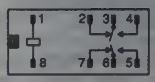
2



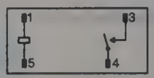
3



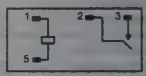
4



5

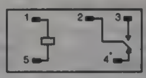


6



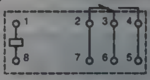
(No coil polarity)

7



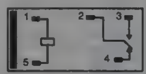
(No coil polarity)

8



Internal Connections
(Bottom View)

9



(No coil polarity)

OMRON Power PCB Relays

OMRON
ELECTRONIC COMPONENTS

OMRON G6B SERIES: SUBMINIATURE POWER PCB RELAYS

Specifications:
- Contact rating: Standard type - 5A @ 250 VAC; High-capacity type - 8A @ 250 VAC
- Power consumption: SPST-NO - 200mW 2-pole - 300mW
- Contact material: Ag Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
Standard Type with Sealed Construction, Non-Latching									
653-G6B-1114P-DC5	G6B-1114P-US-DC5	A1	SPST-NO	5 VDC	40 mA	3.65	3.52	3.37	2.92
653-G6B-1114P-DC12	G6B-1114P-US-DC12	A1	SPST-NO	12 VDC	16.7 mA	3.65	3.52	3.37	2.92
653-G6B1114P1-DC12	G6B-1114P-1-US-DC12	A1	SPST-NO	12 VDC	16.7 mA	4.43	4.28	4.10	3.55
653-G6B-1114P-DC24	G6B-1114P-US-DC24	A1	SPST-NO	24 VDC	8.3 mA	3.56	3.43	3.29	3.02
653-G6B1114PFDUSDC24	G6B-1114P-FD-US-DC24	A1	SPST-NO	24 VDC	8.3 mA	6.05	5.83	5.59	4.84
653-G6B1174PFDUSDC24	G6B-1174P-FD-US-DC24	A1	SPST-NO	24 VDC	8.3 mA	7.37	7.11	6.82	5.90
653-G6B-2114P-DC5	G6B-2114P-US-DC5	A2	SPST-NO+SPST-NC	5 VDC	60 mA	4.45	4.30	4.12	3.56
653-G6B-2114P-DC6	G6B-2114P-US-DC6	A2	SPST-NO+SPST-NC	6 VDC	33.3 mA	5.50	5.31	5.09	4.40
653-G6B-2114P-DC12	G6B-2114P-US-DC12	A2	SPST-NO+SPST-NC	12 VDC	25 mA	4.45	4.30	4.12	3.56
653-G6B2114P1USDC12	G6B-2114P-1-US-DC12	A2	SPST-NO+SPST-NC	12 VDC	16.7 mA	5.50	5.31	5.09	4.40
653-G6B-2114P-DC24	G6B-2114P-US-DC24	A2	SPST-NO+SPST-NC	24 VDC	12.5 mA	4.42	4.27	4.09	3.54
653-G6B-2214P-DC5	G6B-2214P-US-DC5	A3	DPST-NO	5 VDC	60 mA	4.45	4.30	4.12	3.56
653-G6B-2214P-DC12	G6B-2214P-US-DC12	A3	DPST-NO	12 VDC	25 mA	4.45	4.30	4.12	3.56
653-G6B-2214P-DC24	G6B-2214P-US-DC24	A3	DPST-NO	24 VDC	12.5 mA	4.66	4.49	4.31	3.72
High Capacity Type with Sealed Construction, Non-Latching									
653-G6B-1174P-DC5	G6B-1174P-US-DC5	A1	SPST-NO	5 VDC	40 mA	4.36	4.20	4.03	3.48
653-G6B-1174P-DC12	G6B-1174P-US-DC12	A1	SPST-NO	12 VDC	16.7 mA	4.36	4.20	4.03	3.48
653-G6B-1174P-DC24	G6B-1174P-US-DC24	A1	SPST-NO	24 VDC	8.3 mA	4.51	4.35	4.17	3.61
Sockets for G6B series		**Fits Series**				1	20	40	100
653-P6B-04P	P6B-04P	G6B-1114P, G6B-1174P				1.55	1.49	1.43	1.24
653-P6B-26P	P6B-26P	G6B-2114P, G6B-2214P				2.00	1.85	1.80	1.70

OMRON G6C SERIES: SUBMINIATURE POWER PCB RELAYS

Specifications:
- Contact rating: SPST-NO - 10A @ 250 VAC; SPST-NO+SPST-NC - 8A @ 250VAC
- Power consumption: 200mW
- Contact material: Ag Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G6C-1114P-DC5	G6C-1114P-US-DC5	B4	SPST-NO	5 VDC	40mA	4.38	4.05	3.94	3.72
653-G6C-1114P-DC12	G6C-1114P-US-DC12	B4	SPST-NO	12 VDC	16.7mA	4.38	4.05	3.94	3.72
653-G6C-1114P-DC24	G6C-1114P-US-DC24	B4	SPST-NO	24 VDC	8.3mA	4.52	4.18	4.06	3.84
653-G6C-2114P-DC5	G6C-2114P-US-DC5	B5	SPST-NO + SPST-NC	5 VDC	40mA	5.05	4.67	4.54	4.29
653-G6C-2114P-DC12	G6C-2114P-US-DC12	B5	SPST-NO + SPST-NC	12 VDC	16.7mA	5.05	4.67	4.54	4.29
653-G6C-2114P-DC24	G6C-2114P-US-DC24	B5	SPST-NO + SPST-NC	24 VDC	8.3mA	5.21	4.82	4.69	4.42
653-G6C-2117P-DC12	G6C-2117P-US-DC12	B5	SPST-NO + SPST-NC	12 VDC	16.7mA	5.61	5.19	5.05	4.77
653-G6C-2117P-US-DC5	G6C-2117P-US-DC5	B5	SPST-NO + SPST-NC	5 VDC	40mA	5.61	5.19	5.05	4.77
Sockets for G6C Series		**Fits Series**				1	20	40	100
653-P6C-06P	P6C-06P	G6C-1114P, G6C-2114P				1.94	1.87	1.79	1.55

OMRON G6D-ASI SERIES: SLIM POWER PCB RELAYS

Specifications:
- Contact rating: 5A @ 250VAC/30VDC fully sealed construction
- Power consumption: 200mW
- Contact material: Ag Alloy

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G6D1A-ASI-DC5	G6D-1A-ASI-DC5	C6	SPST-NO	5 VDC	40 mA	3.50	3.15	2.80	2.52
653-G6D1A-ASI-DC12	G6D-1A-ASI-DC12	C6	SPST-NO	12 VDC	16.7 mA	3.50	3.15	2.80	2.52
653-G6D1A-ASI-DC24	G6D-1A-ASI-DC24	C6	SPST-NO	24 VDC	8.3 mA	3.50	3.15	2.80	2.52
Sockets for G6D Series		**Description**							
653-P6D-04P	P6D-04P	PC mount for G6D-1A				2.78	2.51	2.23	2.00

OMRON G6DS SERIES: SLIM, MINIATURE PCB RELAYS

Specifications:
- Contact rating: 5A @ 250VAC/30VDC fully sealed construction
- Power consumption: Standard type - 180 mW; High-sensitivity type: 120 mW

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
Standard Type									
653-G6DS-1A-DC5	G6DS-1A-DC5	D7	SPST-NO	5 VDC	36 mA	4.75	4.28	3.80	3.42
653-G6DS-1A-DC12	G6DS-1A-DC12	D7	SPST-NO	12 VDC	15 mA	4.75	4.28	3.80	3.42
653-G6DS-1A-DC24	G6DS-1A-DC24	D7	SPST-NO	24 VDC	7.5 mA	5.18	4.66	4.15	3.73
High Sensitivity Type									
653-G6DS-1A-H-DC5	G6DS-1A-H-DC5	D7	SPST-NO	5 VDC	24 mA	4.96	4.46	3.97	3.57
653-G6DS-1A-H-DC12	G6DS-1A-H-DC12	D7	SPST-NO	12 VDC	10 mA	4.89	4.40	3.91	3.52
653-G6DS-1A-H-DC24	G6DS-1A-H-DC24	D7	SPST-NO	24 VDC	5 mA	5.32	4.79	4.26	3.83

OMRON G6M SERIES: SIL PACKAGE POWER PCB RELAYS

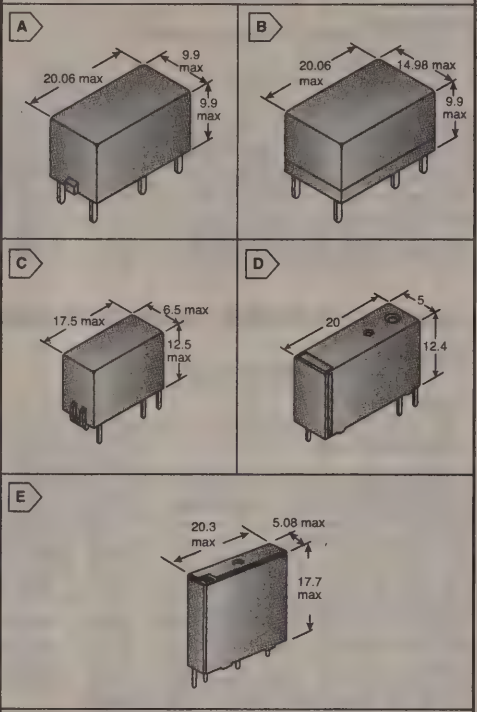
Specifications:
- Contact rating: 3A @ 250VAC/30VDC
- Max. switching current: 5A
- Power consumption: 120mW fully sealed construction

RoHS Compliant

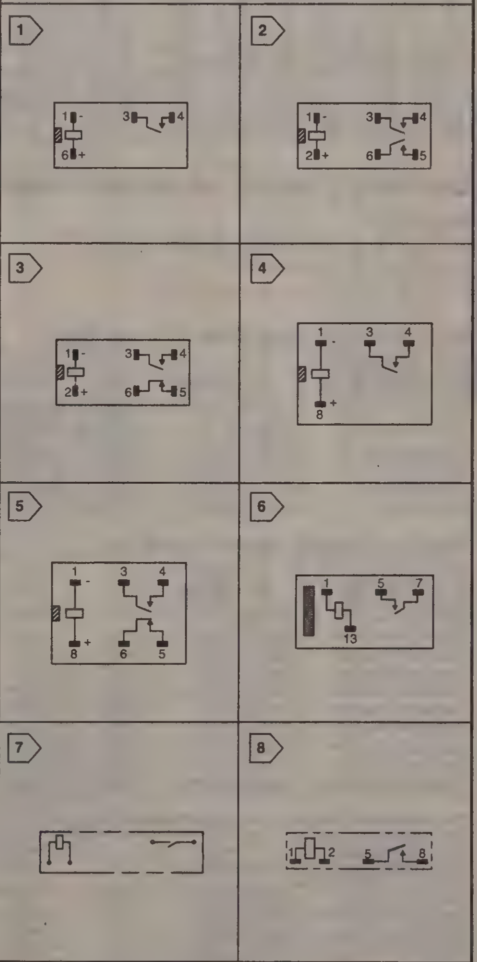
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G6M-1A-DC5	G6M-1A-DC5	E8	SPST-NO	5 VDC	24 mA	4.50	4.05	3.60	3.24
653-G6M-1A-DC12	G6M-1A-DC12	E8	SPST-NO	12 VDC	10 mA	4.50	4.05	3.60	3.24
653-G6M-1A-DC24	G6M-1A-DC24	E8	SPST-NO	24 VDC	5 mA	5.70	5.13	4.56	4.10

DIMENSIONS: mm



TERMINAL ARRANGEMENT



OMRON Power PCB Relays

OMRON G6RN SERIES: HEAVY DUTY MINIATURE RELAYS

Specifications:
- Rated switching current: 8A @ 250VAC/ 5A @ 30VDC
- Power consumption: 220mW
- Plastic-sealed construction
- Contact material: AgNi + gold plating

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G6RN-1-DC5	G6RN-1-DC5	A1	SPDT	5 VDC	44 mA	2.34	2.08	1.87	1.66
653-G6RN-1-DC12	G6RN-1-DC12	A1	SPDT	12 VDC	18.3 mA	2.34	2.08	1.87	1.66
653-G6RN-1-DC24	G6RN-1-DC24	A1	SPDT	24 VDC	9.2 mA	2.34	2.08	1.87	1.66
653-G6RN-1A-DC12	G6RN-1A-DC12	A1	SPST-NO	12 VDC	18.3 mA	2.27	2.02	1.82	1.62
653-G6RN-1A-DC24	G6RN-1A-DC24	A1	SPST-NO	24 VDC	9.2 mA	2.27	2.02	1.82	1.62

OMRON G8PT SERIES: HEAVY DUTY COMPACT POWER PCB RELAYS

Specifications:
- Contact rating: SPST-NO - 30A @ 250 VAC/20A @ 28VDC
  SPDT - 20A (NO)/10A (NC) @ 250VAC
- Power consumption: 900mW
- Class F insulation
- Impulse withstand voltage: 6,000 V between coil and contacts
- Contact material: Ag Alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
Open Frame, PCB Mount									
653-G8P-1AP-DC5	G8P-1AP-DC5	B2	SPST-NO	5 VDC	185 mA	2.90	2.61	2.32	2.09
653-G8P-1AP-DC12	G8P-1AP-DC12	B2	SPST-NO	12 VDC	77 mA	2.90	2.61	2.32	2.09
653-G8P-1AP-DC24	G8P-1AP-DC24	B2	SPST-NO	24 VDC	36 mA	3.41	3.07	2.73	2.45
Sealed with Ventable Nib, PCB Mount									
653-G8P-1A4P-DC12	G8P-1A4P-DC12	C3	SPST-NO	12 VDC	77 mA	3.20	2.88	2.56	2.30
653-G8P-1A4P-DC24	G8P-1A4P-DC24	C3	SPST-NO	24 VDC	36 mA	3.20	2.88	2.56	2.30
653-G8P-1C4P-DC12	G8P-1C4P-DC12	C3	SPDT	12 VDC	77 mA	3.30	2.97	2.64	2.38
653-G8P-1C4P-DC24	G8P-1C4P-DC24	C3	SPDT	24 VDC	36 mA	3.88	3.49	3.10	2.79
Sealed with Ventable Nib, PCB & QC Load Terminals									
653-G8P-1A4TP-DC12	G8P-1A4TP-DC12	D3	SPST-NO	12 VDC	77 mA	4.35	3.91	3.48	3.13
653-G8P-1A4TP-DC24	G8P-1A4TP-DC24	D3	SPST-NO	24 VDC	36 mA	4.35	3.91	3.48	3.13
653-G8P-1C4TP-DC12	G8P-1C4TP-DC12	D3	SPDT	12 VDC	77 mA	3.80	3.42	3.04	2.74
653-G8P-1C4TP-DC24	G8P-1C4TP-DC24	D3	SPDT	24 VDC	36 mA	4.47	4.02	3.57	3.21
Vented, Flange Mount with QC Terminals									
653-G8P-1A2T-F-DC12	G8P-1A2T-F-DC12	E3	SPST-NO	12 VDC	77 mA	4.00	3.60	3.20	2.88
653-G8P-1A2T-F-DC24	G8P-1A2T-F-DC24	E3	SPST-NO	24 VDC	36 mA	4.00	3.60	3.20	2.88
653-G8P-1C2T-F-DC12	G8P-1C2T-F-DC12	E3	SPDT	12 VDC	77 mA	4.10	3.69	3.28	2.95
653-G8P-1C2T-F-DC24	G8P-1C2T-F-DC24	E3	SPDT	24 VDC	36 mA	4.10	3.69	3.28	2.95

OMRON G2R SERIES: VERSATILE POWER PCB RELAYS

Specifications:
- Contact rating: 1-pole general purpose type - 10A @ 250VAC/30VDC; 2-pole general purpose type - 5A @ 250VAC/30VDC; 1-pole high-capacity type - 16A @ 250VAC/30VDC
- Contact material: Ag Alloy
- Power consumption: DC coil - 530 mW AC coil - 0.9 VA

Semi-Sealed Contruction, General Purpose Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G2R-1-AC120	G2R-1-AC120	F4	SPST-NO	120 VAC	7.5 mA	6.41	5.70	5.01	4.53
653-G2R-1-DC12	G2R-1-DC12	F4	SPST-NO	12 VDC	43.6 mA	3.34	2.96	2.61	2.35
653-G2R-1-DC24	G2R-1-DC24	F4	SPST-NO	24 VDC	21.8 mA	3.34	2.96	2.61	2.35
653-G2R-2-AC120	G2R-2-AC120	F5	DPST-NO	120 VAC	7.5 mA	7.87	6.99	6.16	5.56
653-G2R-2-DC12	G2R-2-DC12	F5	DPST-NO	12 VDC	43.6 mA	3.94	3.50	3.08	2.79
653-G2R-2-DC24	G2R-2-DC24	F5	DPST-NO	24 VDC	21.8 mA	3.94	3.50	3.08	2.79

Sealed Construction, General Purpose Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G2R-14-DC5	G2R-14-DC5	F4	SPDT	5 VDC	106 mA	3.73	2.98	2.63	2.37
653-G2R-14-DC12	G2R-14-DC12	F4	SPDT	12 VDC	43.6 mA	3.73	2.98	2.63	2.37
653-G2R-14-DC24	G2R-14-DC24	F4	SPDT	24 VDC	21.8 mA	3.73	2.98	2.63	2.37
653-G2R-14-AC24	G2R-14-AC24	F4	SPDT	24 VAC	37.5 mA	6.26	5.00	4.41	3.97
653-G2R-14-AC120	G2R-14-AC120	F4	SPDT	120 VAC	7.5 mA	6.88	5.66	5.01	4.53
653-G2R-24-DC5	G2R-24-DC5	F5	DPDT	5 VDC	106 mA	4.28	3.52	3.11	2.81
653-G2R-24-DC12	G2R-24-DC12	F5	DPDT	12 VDC	43.6 mA	3.18	3.05	2.99	2.85
653-G2R-24-DC24	G2R-24-DC24	F5	DPDT	24 VDC	21.8 mA	3.18	3.05	2.99	2.85
653-G2R-24-AC24	G2R-24-AC24	F5	DPDT	24 VAC	37.5 mA	7.15	5.88	5.21	4.70
653-G2R-24-AC120	G2R-24-AC120	F5	DPDT	120 VAC	7.5 mA	7.80	6.41	5.68	5.13

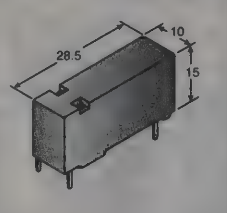
Semi-Sealed Construction, High-Capacity Type

For quantities of 500 and up, call for quote.

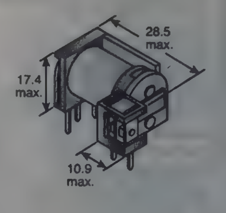
MOUSER STOCK NO.	Omron Part Number	Fig.	Contact Form	Rated Coil Voltage	Rated Coil Current	Price Each			
						1	25	50	100
653-G2R-1-E-DC5	G2R-1E-DC5	F6	SPDT	5 VDC	106 mA	3.79	3.12	2.76	2.49
653-G2R-1-E-DC12	G2R-1E-DC12	F6	SPDT	12 VDC	43.6 mA	3.02	2.81	2.63	2.42
653-G2R-1-E-DC24	G2R-1E-DC24	F6	SPDT	24 VDC	21.8 mA	3.79	3.12	2.76	2.49
653-G2R-1-E-AC120	G2R-1E-AC120	F6	SPDT	120 VAC	7.5 mA	7.01	5.76	5.11	4.61

DIMENSIONS: mm

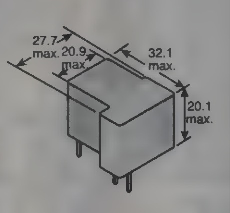
A



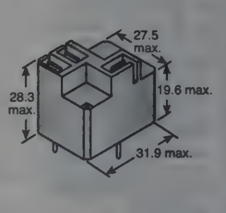
B



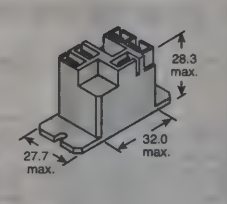
C



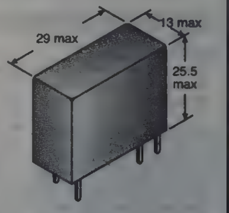
D



E

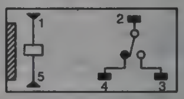


F



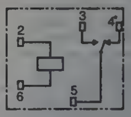
TERMINAL ARRANGEMENT

1



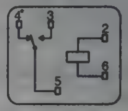
2

Note: Terminal #4 is omitted on SPST-NO version

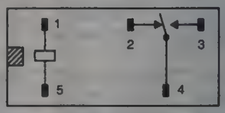


3

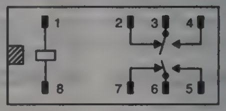
Note: Terminal #4 is omitted on SPST-NO version



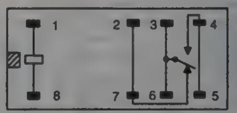
4



5



6



OEG Power PCB Relays

Tyco Electronics
Authorized Distributor

OEG OJ/OJE SERIES: MINIATURE PCB RELAYS

Specifications:
- Dielectric strength: OJ = 4kV; OJE = 3kV
- Sealed plastic case
- Contact form: SPST-NO
- Nominal power: Standard coil = 450 mW; Sensitive coil = 200 mW

Common Applications:
- Appliances
- HVAC
- Industrial Control

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Rating	Nominal Coil Current	Price Each			
						1	25	50	100
Standard Coil									
677-OJE-SH-105DM	OJE-SH-105DM,095	A	5 VDC	5 A	91.0mA	1.00	.95	.90	.85
677-OJE-SH-112DM	OJE-SH-112DM,095	A	12 VDC	5 A	37.5mA	1.02	.97	.92	.87
677-OJE-SH-124DM	OJE-SH-124DM,095	A	24 VDC	5 A	9.4mA	1.04	.99	.94	.88
677-OJ-SH-105HM	OJ-SH-105HM,095	A	5 VDC	10 A	91.0mA	1.12	1.06	1.01	.95
677-OJ-SH-112DM	OJ-SH-112DM,000	A	12 VDC	5 A	37.5mA	.76	.68	.65	.61
Sensitive Coil									
677-OJ-SH-112LM	OJ-SH-112LM,000	A	12 VDC	3 A	16.7mA	.88	.84	.79	.75
677-OJ-SH-124LM	OJ-SH-124LM,000	A	24 VDC	3 A	8.6mA	.86	.78	.73	.69

Tyco Electronics
Authorized Distributor

OEG OMI/OMIH SERIES: MINIATURE POWER PCB RELAYS

Specifications:
- Dielectric strength: OJ = 4kV; OJE = 3kV
- Sealed plastic case
- Contact rating: SPDT OMI = 10A; DPDT OMI = 5A; SPDT OMIH = 16A
- Nominal power: Standard coil = 720 mW; Sensitive coil = 540 mW

Common Applications:
- Appliances
- HVAC
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
Standard Coil									
677-OMI-SH-105D	OMI-SH-105D,300	B	5 VDC	SPDT	138.9mA	1.42	1.35	1.28	1.21
677-OMI-SH-112D	OMI-SH-112D,394	B	12 VDC	SPDT	60.0mA	1.24	1.18	1.12	1.05
677-OMI-SH-124D	OMI-SH-124D,300	B	24 VDC	SPDT	29.3mA	1.46	1.39	1.31	1.24
677-OMI-SH-205D	OMI-SH-205D,594	C	5 VDC	DPDT	138.9mA	3.01	2.04	1.93	1.83
677-OMI-SH-212D	OMI-SH-212D,594	C	12 VDC	DPDT	60.0mA	2.18	2.02	1.91	1.81
677-OMI-SH-224D	OMI-SH-224D,594	C	24 VDC	DPDT	29.3mA	2.72	2.45	2.32	2.04
677-OMIH-SH-105D	OMIH-SH-105D,394	B	5 VDC	SPDT	138.9mA	1.64	1.56	1.48	1.39
677-OMIH-SH-112D	OMIH-SH-112D,394	B	12 VDC	SPDT	60.0mA	1.78	1.69	1.60	1.51
677-OMIH-SH-124D	OMIH-SH-124D,394	B	24 VDC	SPDT	29.3mA	1.82	1.73	1.66	1.55
Sensitive Coil									
677-OMI-SH-105L	OMI-SH-105L,300	B	5 VDC	SPDT	106.4mA	1.44	1.37	1.30	1.26
677-OMI-SH-112L	OMI-SH-112L,394	B	12 VDC	SPDT	44.4mA	1.36	1.29	1.22	1.16
677-OMI-SH-124L	OMI-SH-124L,394	B	24 VDC	SPDT	21.8mA	1.48	1.41	1.33	1.26
677-OMI-SH-205L	OMI-SH-205L,594	C	5 VDC	DPDT	106.4mA	1.88	1.79	1.69	1.60
677-OMI-SH-212L	OMI-SH-212L,594	C	12 VDC	DPDT	44.4mA	1.90	1.81	1.71	1.62
677-OMI-SH-224L	OMI-SH-224L,594	C	24 VDC	DPDT	21.8mA	1.90	1.81	1.71	1.62
677-OMIH-SH-105L	OMIH-SH-105L,394	B	5 VDC	SPDT	106.4mA	1.78	1.69	1.60	1.51
677-OMIH-SH-112L	OMIH-SH-112L,394	B	12 VDC	SPDT	44.4mA	1.64	1.56	1.48	1.39
677-OMIH-SH-124L	OMIH-SH-124L,394	B	24 VDC	SPDT	21.8mA	1.82	1.73	1.66	1.55

Tyco Electronics
Authorized Distributor

OEG OSA SERIES: MINIATURE POWER PCB RELAYS

Specifications:
- DM5 type meet UL TV-3 and CSA TV-4 rating
- Semco and TUV approvals for DM5 type
- Sealed plastic case
- Contact form: DPST-NO
- Nominal power: 540 mW

Common Applications:
- Appliances
- Audio equipment
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Rating	Nominal Coil Current	Price Each			
						1	25	50	100
677-OSA-SH-205DM5	OSA-SH-205DM5,600	D	5 VDC	5 A	106.4 mA	1.18	1.14	1.06	1.00
677-OSA-SH-212DM3	OSA-SH-212DM3,000M	D	12 VDC	3 A	44.4 mA	1.12	1.06	1.01	.95
677-OSA-SH-212DM5	OSA-SH-212DM5,600	D	12 VDC	5 A	44.4 mA	1.18	1.14	1.06	1.00
677-OSA-SH-224DM3	OSA-SH-224DM3,000M	D	24 VDC	3 A	21.8 mA	.98	.93	.88	.83
677-OSA-SH-224DM5	OSA-SH-224DM5,600M	D	24 VDC	5 A	21.8 mA	1.22	1.16	1.10	1.07

Tyco Electronics
Authorized Distributor

OEG OSZ SERIES: MINIATURE POWER PCB RELAYS

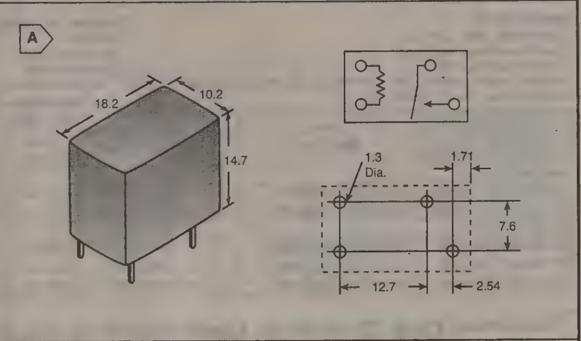
Specifications:
- Meets UL Tungsten TV-8 rating
- Vented (flux-tight) plastic case
- Contact form: DPST-NO
- Nominal power: 540 mW

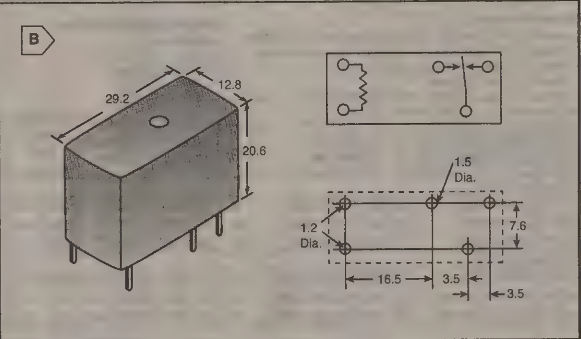
Common Applications:
- Appliances
- HVAC
- Office machines

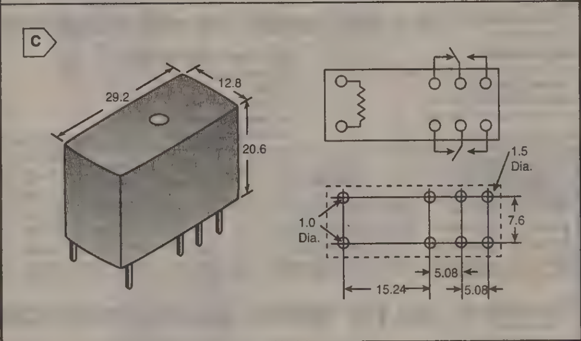
For quantities 500 and up, call for quote.

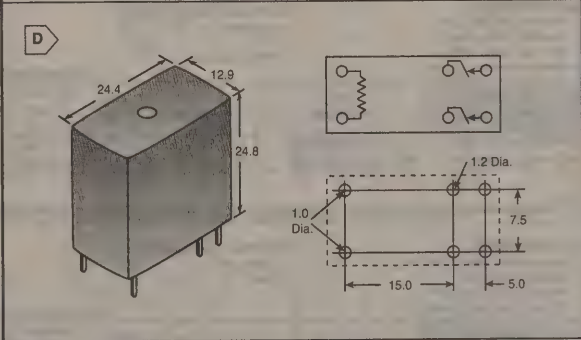
MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Rating	Nominal Coil Current	Price Each			
						1	25	50	100
677-OSZ-SS-105DM8	OSZ-SS-105DM8,000	E	5 VDC	16 A	106.4 mA	1.44	1.37	1.30	1.26
677-OSZ-SS-112DM8	OSZ-SS-112DM8,000	E	12 VDC	16 A	44.4 mA	1.84	1.75	1.66	1.56
677-OSZ-SS-124DM8	OSZ-SS-124DM8,000	E	24 VDC	16 A	21.8 mA	1.44	1.37	1.30	1.26

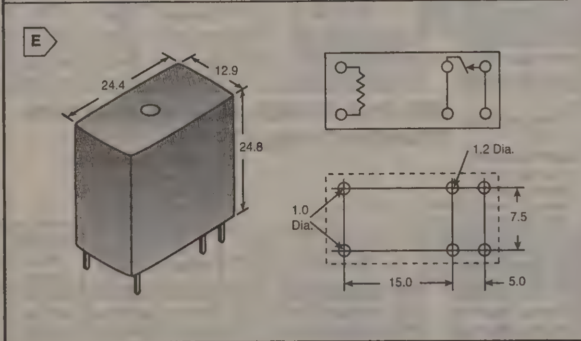
DIMENSIONS: mm











OEG PCB Relays

OEG OUAZ SERIES: MINIATURE PCB RELAYS

Specifications:
- Gold overlay silver palladium alloy contact suitable for low loads
- 2.54mm terminal pitch
- Nominal power: Standard coil = 450 mW; Sensitive coil = 200 mW
- Contact rating: 1A @ 120VAC

Common Applications:
- Appliances
- Audio equipment
- Office machines
- Telecommunications

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Rating	Nominal Coil Current	Price Each			
						1	25	50	100
Standard Coil									
677-OUAZ-SH-105D	OUAZ-SH-105D,405	A	5 VDC	SPDT	90.9 mA	1.02	.97	.92	.87
677-OUAZ-SH-112D	OUAZ-SH-112D,405	A	12 VDC	SPDT	37.5 mA	1.02	.97	.92	.87
Sensitive Coil									
677-OUAZ-SH-105L	OUAZ-SH-105L,405	A	5 VDC	SPDT	40.0 mA	1.20	.97	.92	.87
677-OUAZ-SH-112L	OUAZ-SH-112L,405	A	12 VDC	SPDT	17.0 mA	1.06	1.01	.95	.90
677-OUAZ-SH-124L	OUAZ-SH-124L,405	A	24 VDC	SPDT	8.6 mA	1.14	1.08	1.03	.97

OEG OZ SERIES: MINIATURE PCB RELAYS

Specifications:
- Meet 5,000V dielectric voltage between coil and contacts
- Meet 10,000V surge voltage between coil and contacts
- Nominal power: Standard coil = 720 mW; Sensitive coil = 540 mW
- Contact material: SPDT = Ag alloy; SPST_NO = AgSnO
- Contact rating: 16A @ 240VAC resistive

Common Applications:
- Appliances
- HVAC
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
Standard Coil									
677-OZ-SH-105D	OZ-SH-105D,294	B	5 VDC	SPDT	138.9 mA	2.18	2.07	1.96	1.85
677-OZ-SH-112D	OZ-SH-112D,294	B	12 VDC	SPDT	60.0 mA	1.84	1.75	1.66	1.56
677-OZ-SH-124D	OZ-SH-124D,294	B	24 VDC	SPDT	29.3 mA	1.84	1.75	1.66	1.56
Sensitive Coil									
677-OZ-SH-105LM1	OZ-SH-105LM1,294	B	5 VDC	SPST-NO	106.4 mA	1.44	1.37	1.30	1.22
677-OZ-SH-112LM1	OZ-SH-112LM1,294	B	12 VDC	SPST-NO	44.4 mA	1.48	1.41	1.33	1.26
677-OZ-SH-124LM1	OZ-SH-124LM1,294	B	24 VDC	SPST-NO	21.8 mA	1.66	1.58	1.49	1.41

OEG PCE SERIES: 10A MINIATURE POWER PCB RELAYS

Specifications:
- UL Class F insulation standard
- Sealed plastic case
- Nominal power: 360 mW
- Contact material: AgCdO

Common Applications:
- Appliances
- HVAC
- Office machines
- Security systems
- Emergency lighting

* Flux-tight plastic case

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
677-PCE-112D1H	PCE-112D1H,000	C	12 VDC	SPDT	30 mA	1.30	1.24	1.17	1.14
677-PCE-112D1MH	PCE-112D1MH,000	C	12 VDC	SPST-NO	30 mA	1.28	1.22	1.16	1.10
677-PCE-124D1M *	PCE-124D1M,000	C	24 VDC	SPST-NO	15 mA	1.05	.99	.93	.87
677-PCE-124D1MH	PCE-124D1MH,000	C	24 VDC	SPST-NO	15 mA	1.14	1.08	1.03	.97

OEG PCF SERIES: 25A MINIATURE POWER PCB RELAYS

Specifications:
- PCB/QC terminal type
- Flux-tight plastic case
- Nominal power: 900 mW
- Contact material: AgSnO

Common Applications:
- Appliances
- HVAC
- Office machines

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
677-PCF-112D2M	PCF-112D2M,000	D	12 VDC	SPST-NO	75.0 mA	2.64	2.51	2.38	2.24
677-PCF-124D2M	PCF-124D2M,000	D	24 VDC	SPST-NO	37.5 mA	2.58	2.45	2.32	2.19

OEG PCH SERIES: 5A MINIATURE POWER PCB RELAYS

Specifications:
- High surge voltage of 8000V
- Sealed plastic case
- Nominal power: 400 mW
- Contact material: AgSnO

Common Applications:
- Appliances
- HVAC

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
677-PCH-105D2H	PCH-105D2H,001	E	5 VDC	SPDT	80.0 mA	1.32	1.22	1.15	1.01
677-PCH-112D2H	PCH-112D2H,001	E	12 VDC	SPDT	33.3 mA	1.32	1.25	1.19	1.16
677-PCH-124D2H	PCH-124D2H,001	E	24 VDC	SPDT	11.1 mA	1.36	1.29	1.22	1.16

OEG PCJ SERIES: SLIM 5A MINIATURE POWER PCB RELAYS

Specifications:
- Cadmium-free contacts
- Sealed plastic case
- Nominal power: 200 mW
- Contact material: Ag Alloy

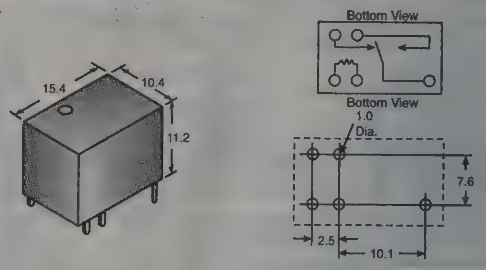
Common Applications:
- Air conditioners
- Refrigerators
- Microwave ovens

For quantities of 500 and up, call for quote.

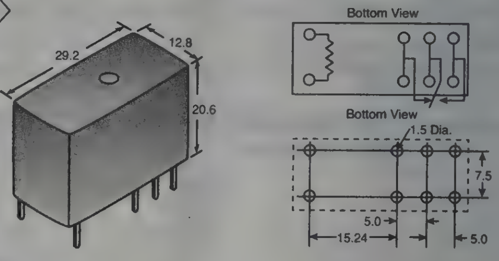
MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
677-PCJ-105D3MH	PCJ-105D3MH,000	F	5 VDC	SPST-NO	40.0 mA	1.16	1.10	1.04	.99
677-PCJ-112D3MH	PCJ-112D3MH,000	F	12 VDC	SPST-NO	16.7 mA	1.14	1.08	1.03	.97
677-PCJ-124D3MH	PCJ-124D3MH,000	F	24 VDC	SPST-NO	8.6 mA	1.18	1.12	1.06	1.00

DIMENSIONS: mm

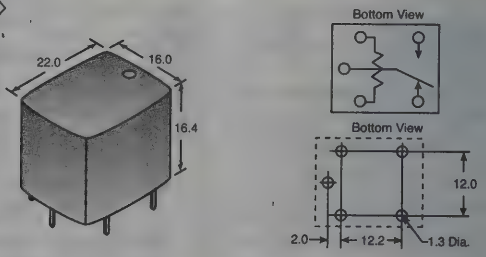
A



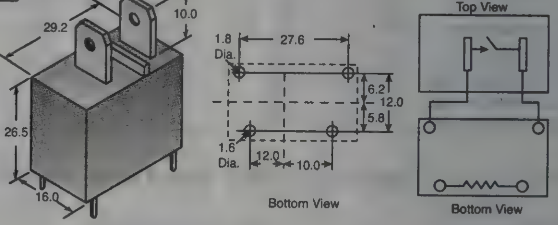
B



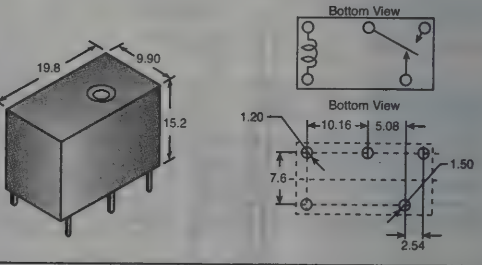
C



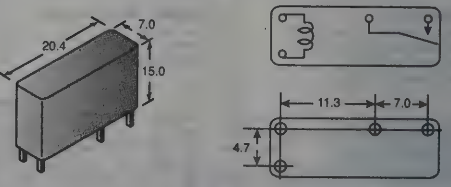
D



E



F



Tyco Electronics OEG SRUDH SERIES: 12A MINIATURE POWER PCB RELAYS

Specifications:
- Low cost, small package
- Sealed plastic case
- Nominal power: 360 mW
- Contact material: AgCdO

Common Applications:
- Appliances
- HVAC
- Office machines
- Security systems

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
677-SRUDH-SH-112D1	SRUDH-SH-112D1,000	A	12 VDC	SPDT	30 mA	.92	.87	.83	.78
677-SRUDH-SH-112DM1	SRUDH-SH-112DM1,000	A	12 VDC	SPST-NO	30 mA	.90	.86	.81	.77
677-SRUDH-SH-124D1	SRUDH-SH-124D1,000	A	24 VDC	SPDT	15 mA	1.22	.99	.94	.88
677-SRUDH-SH-124DM1	SRUDH-SH-124DM1,000	A	24 VDC	SPST-NO	15 mA	.84	.76	.67	.59

Tyco Electronics OEG TSC SERIES: 1A MINIATURE PCB RELAYS

Specifications:
- Low coil power requirement for IC compatibility
- Sealed plastic case
- Nominal power: Standard coil = 300 mW; Sensitive coil = 150 mW

Common Applications:
- Telecommunications
- Appliances
- Office machines
- Security systems

For quantities of 500 and up, call for quote.

Standard Coil									
677-TSC-105D3H	TSC-105D3H,000	B	5 VDC	SPDT	60 mA	1.14	1.03	.91	.80
677-TSC-112D3H	TSC-112D3H,000	B	12 VDC	SPDT	25 mA	1.38	1.31	1.24	1.17
677-TSC-124D3H	TSC-124D3H,000	B	24 VDC	SPDT	12.5 mA	1.46	1.39	1.31	1.24
Sensitive Coil									
677-TSC-105L3H	TSC-105L3H,000	B	5 VDC	SPDT	30 mA	1.38	1.31	1.24	1.17
677-TSC-112L3H	TSC-112L3H,000	B	12 VDC	SPDT	12.5 mA	1.46	1.29	1.17	1.03
677-TSC-124L3H	TSC-124L3H,000	B	24 VDC	SPDT	6.3 mA	1.56	1.48	1.40	1.33

Tyco Electronics OEG OUDH SERIES: 10A MINIATURE PCB RELAYS

Specifications:
- Meets 2kV dielectric between coil and contacts
- Meets 5kV surge voltage
- Nominal power: 450 mW
- Contact material: Ag Alloy

Common Applications:
- Appliances
- HVAC
- Office machines

E58304 LR48471

For quantities greater than listed, call for quote.

Vented (Flux-tight) Case									
677-OUDH-SS-105D	OUDH-SS-105D,000	C	5 VDC	SPDT	90.9 mA	1.20	1.08	.96	.84
677-OUDH-SS-106D	OUDH-SS-106D,000	C	6 VDC	SPDT	75 mA	1.20	1.08	.96	.84
677-OUDH-SS-112D	OUDH-SS-112D,000	C	12 VDC	SPDT	37.5 mA	1.22	1.09	.98	.85
Sealed Case									
677-OUDH-SH-105D	OUDH-SH-105D,000	C	5 VDC	SPDT	90.9 mA	1.36	1.29	1.22	1.16
677-OUDH-SH-106D	OUDH-SH-106D,000	C	6 VDC	SPDT	75 mA	1.20	1.08	.96	.84
677-OUDH-SH-112D	OUDH-SH-112D,000	C	12 VDC	SPDT	37.5 mA	1.36	1.29	1.22	1.16

Tyco Electronics OEG PCN SERIES: 3 AMP MINIATURE PCB RELAYS

Specifications:
- Contact form: SPST-NO
- Rated current: 3A
- Rated voltage: 250VAC
- Contact material: Silver nickel
- Contact assembly: Bifurcated contact
- Conforms to UL508

For quantities greater than listed, call for quote.

677-PCN-105D3MHZ	PCN-105D3MHZ	D	5 VDC	SPST-NO	120 mW	1.30	1.24	1.17	1.11
677-PCN-112D3MHZ	PCN-112D3MHZ	D	12 VDC	SPST-NO	120 mW	1.30	1.24	1.17	1.11
677-PCN-124D3MHZ	PCN-124D3MHZ	D	24 VDC	SPST-NO	120 mW	1.48	1.41	1.33	1.26

Tyco Electronics SCHRACK PE SERIES: 5 AMP MINIATURE PCB RELAYS

Specifications:
- Flux-light for wave soldering
- Contact material: Silver-Nickel 90/10
- Expected Mechanical life: 15 million operations min.
- Operate/Release/Bounce Time: 5 ms/2 ms/1 ms typical

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Contact Form	Nom. Coil Current	Price Each			
						1	25	50	100
655-PE014005	PE014005	E	5 VDC	SPDT	40 mA	3.70	3.51	3.33	3.14
655-PE014012	PE014012	E	12 VDC	SPDT	17.5 mA	3.70	3.51	3.33	3.14
655-PE014024	PE014024	E	24 VDC	SPDT	8.8 mA	3.44	3.05	2.75	2.24

Tyco Electronics SCHRACK RE SERIES: 6 AMP MINIATURE PCB RELAYS

Specifications:
- Fully sealed with vent hole
- Contact material: Silver-cadmium oxide
- Expected Mechanical life: 30 million operations min.
- Operate/Release/Bounce Time: 6 ms/1 ms/1 ms typical

For quantities of 500 and up, call for quote.

655-RE030005	RE030005	F	5 VDC	SPST-NO	40 mA	4.65	4.42	4.19	3.96
655-RE030012	RE030012	F	12 VDC	SPST-NO	16.7 mA	4.65	4.42	4.19	3.96
655-RE030024	RE030024	F	24 VDC	SPST-NO	4.2 mA	4.65	4.42	4.19	3.96

Tyco Electronics SCHRACK RYII SERIES: 8A MINIATURE POWER PCB RELAYS

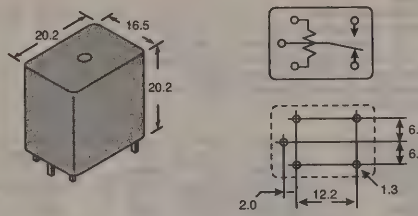
Specifications:
- Contact form: SPDT
- Rated current: 8A
- Rated voltage: 250VAC
- Contact material: Silver nickel 0.15
- Contact assembly: Single contact
- Conforms to UL508

For quantities of 500 and up, call for quote.

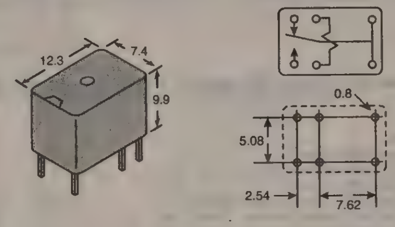
MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Case Type	Nom. Coil Current	Price Each			
						1	25	50	100
655-RY211012	RY211012	G	12 VDC	Flux proof	220 mW	3.30	3.13	2.97	2.80
655-RY211024	RY211024	G	24 VDC	Flux proof	220 mW	3.30	3.13	2.97	2.80
655-RY611005	RY611005	G	5 VDC	Washable	220 mW	2.86	2.72	2.57	2.43
655-RY611012	RY611012	G	12 VDC	Washable	220 mW	3.30	3.13	2.97	2.80
655-RY611024	RY611024	G	24 VDC	Washable	220 mW	3.30	3.13	2.97	2.80

DIMENSIONS: mm

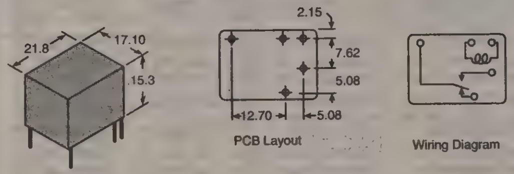
A



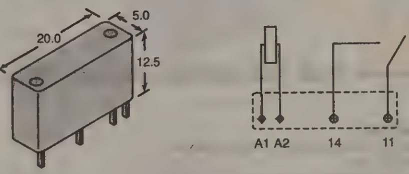
B



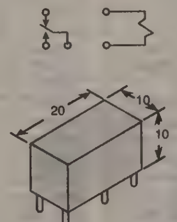
C



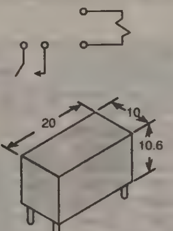
D



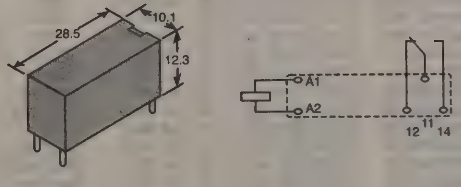
E



F



G



RoHS Compliant **This page of product is compliant.**

Tyco Electronics P&B T7C SERIES: MINIATURE 12 AMP POWER PCB RELAYS

Specifications:

- UL Class F coil insulation system
- Contact material: Silver-cadmium oxide
- Enclosure: T7CS - Immersion cleanable with knock-off nib;
  T7CV - Vented, flux-tight, plastic cover with knock-off nib
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Excluding bounce): 10 ms/5 ms
- Nominal power: 360 mW

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res (Ω)	Price Each			
						1	25	50	100
655-T7CS5D-05	T7CS5D-05	A	5 VDC	SPDT	70	1.36	1.29	1.22	1.16
655-T7CS5D-06	T7CS5D-06	A	6 VDC	SPDT	100	1.32	1.25	1.19	1.12
655-T7CV5D-12	T7CV5D-12	A	12 VDC	SPDT	400	1.40	1.33	1.26	1.19
655-T7CS5D-12	T7CS5D-12	A	12 VDC	SPDT	400	1.23	1.17	1.11	1.05
655-T7CS5D-24	T7CS5D-24	A	24 VDC	SPDT	1600	1.42	1.30	1.23	1.16

Tyco Electronics P&B T90 SERIES: LOW COST 30 AMP PCB RELAYS

Specifications:

- UL Class F coil insulation system
- Contact material: Silver-cadmium oxide
- Meets UL 508 & UL 873 spacing
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Including bounce): 15 ms/15 ms
- Max. coil power: 2.8 Watts

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res (Ω)	Price Each			
						1	25	50	100
Open Case Model									
655-T90N1D12-12	T90N1D12-12	B	12 VDC	SPST-NO	30A	2.08	1.97	1.87	1.77
655-T90N1D12-24	T90N1D12-24	B	24 VDC	SPST-NO	30A	1.96	1.77	1.58	1.35
655-T90N5D12-12	T90N5D12-12	B	12 VDC	SPDT	20A	2.16	2.05	1.94	1.83
655-T90N5D12-24	T90N5D12-24	B	24 VDC	SPDT	20A	2.20	2.09	1.98	1.87
Tape Sealed (Immersion Cleanable) Model									
655-T90S1D12-5	T90S1D12-5	C	5 VDC	SPST-NO	30A	2.38	2.26	2.14	2.02
655-T90S1D12-12	T90S1D12-12	C	12 VDC	SPST-NO	30A	2.28	2.17	2.05	1.94
655-T90S1D12-24	T90S1D12-24	C	24 VDC	SPST-NO	30A	2.06	1.96	1.86	1.76
655-T90S5D12-5	T90S5D12-5	C	5 VDC	SPDT	20A	2.38	2.26	2.14	2.02
655-T90S5D12-12	T90S5D12-12	C	12 VDC	SPDT	20A	2.08	1.97	1.87	1.77
655-T90S5D12-24	T90S5D12-24	C	24 VDC	SPDT	20A	2.44	2.32	2.27	2,14
Accessories for T90 Series		**Description**							
655-35C620A	35C620A	Black dust cover for open style relay				.70	.60	.56	.49

Tyco Electronics P&B T92 SERIES: 30 AMP PCB OR PANEL MOUNT RELAYS

Specifications:

- Designed to control compressor loads to 3.5 tons, 25.3 FLA, 110 LRA
- UL Class F coil insulation construction
- Meets UL 508 & UL 873 spacing
- Expected Mechanical life: 5 million operations min.
- Operate/Release Time (Typical): 15 ms/10 ms
- UL approved for 600 VAC switching (1.5HP)

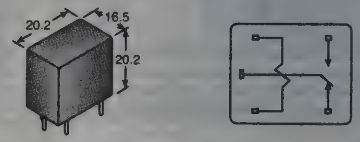
RoHS Compliant

For quantities of 500 and up, call for quote.

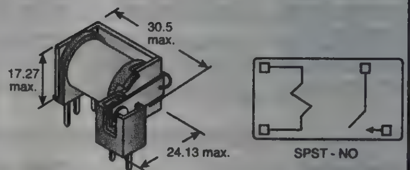
MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Mounting Type	Price Each			
						1	25	50	100
Dust Cover (Unsealed) Model									
655-T92P11A22-120	T92P11A22-120	D	120 VAC	DPDT	Flange	9.74	8.52	7.79	6.33
655-T92P11A22-240	T92P11A22-240	D	240 VAC	DPDT	Flange	11.61	11.03	10.45	9.87
655-T92P11D22-12	T92P11D22-12	D	12 VDC	DPDT	Flange	9.31	8.84	8.38	7.91
655-T92P11D22-24	T92P11D22-24	D	24 VDC	DPDT	Flange	9.57	9.11	8.63	8.15
655-T92P7A22-24	T92P7A22-24	D	24 VAC	DPST-NO	Flange	8.76	7.68	6.87	5.66
655-T92P7A22-120	T92P7A22-120	D	120 VAC	DPST-NO	Flange	9.46	8.98	8.51	8.04
655-T92P7A22-240	T92P7A22-240	D	240 VAC	DPST-NO	Flange	10.47	9.95	9.42	9.18
655-T92P7D12-12	T92P7D12-12	E	12 VDC	DPST-NO	PCB	7.91	7.44	6.97	6.51
655-T92P7D22-12	T92P7D22-12	D	12 VDC	DPST-NO	Flange	7.18	6.19	5.41	5.24
655-T92P7D12-24	T92P7D12-24	E	24 VDC	DPST-NO	PCB	8.75	8.31	7.87	7.44
Tape Sealed (Immersion Cleanable) Model									
655-T92S11A22-24	T92S11A22-24	D	24 VAC	DPDT	Flange	11.00	9.63	8.56	6.96
655-T92S11A22-120	T92S11A22-120	D	120 VAC	DPDT	Flange	11.29	10.72	10.16	9.59
655-T92S11D12-12	T92S11D12-12	E	12 VDC	DPDT	PCB	10.03	9.53	9.03	8.52
655-T92S11D12-24	T92S11D12-24	E	24 VDC	DPDT	PCB	9.50	8.32	7.60	6.18
655-T92S11D22-12	T92S11D22-12	D	12 VDC	DPDT	Flange	10.64	10.11	9.58	9.05
655-T92S11D22-24	T92S11D22-24	D	24 VDC	DPDT	Flange	10.03	9.53	9.03	8.52
655-T92S7A22-24	T92S7A22-24	D	24 VAC	DPST-NO	Flange	10.25	9.75	9.23	8.72
655-T92S7A22-120	T92S7A22-120	D	120 VAC	DPST-NO	Flange	9.95	9.45	8.95	8.46
655-T92S7A12-240	T92S7A12-240	E	240 VAC	DPST-NO	PCB	11.61	11.03	10.45	9.87
655-T92S7D12-12	T92S7D12-12	E	12 VDC	DPST-NO	PCB	9.61	9.13	8.65	8.17
655-T92S7D12-24	T92S7D12-24	E	24 VDC	DPST-NO	PCB	8.84	7.74	7.07	5.75
655-T92S7D22-12	T92S7D22-12	D	12 VDC	DPST-NO	Flange	9.35	8.88	8.41	7.95
655-T92S7D22-24	T92S7D22-24	D	24 VDC	DPST-NO	Flange	9.63	9.15	8.66	8.18

DIMENSIONS: mm

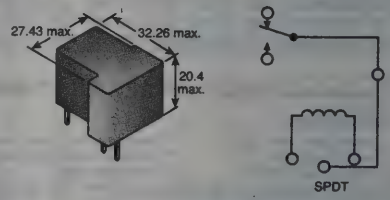
A



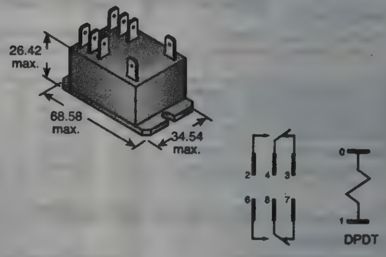
B



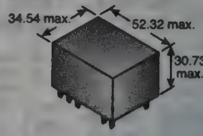
C



D



E



P&B T9A SERIES: LOW COST 30 AMP PCB OR PANEL MOUNT RELAYS

Specifications:
- UL Class F coil insulation system
- Contact material: Silver-cadmium oxide
- Meets UL 508 & UL 873 spacing
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time (Including bounce): 15 ms/15 ms
- Max. coil power: 2.8 Watts
- Enclosure: T9AP - unsealed plastic dust cover; T9AS - Immersion cleanable with knock-off nib sealed plastic case

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
PCB Terminals Coil & Contacts									
655-T9AS1D12-12	T9AS1D12-12	A	12 VDC	SPST-NO	30 A	2.47	2.18	1.95	1.83
655-T9AS1D12-24	T9AS1D12-24	A	24 VDC	SPST-NO	30 A	2.44	2.32	2.19	2.07
655-T9AS5D12-12	T9AS5D12-12	A	12 VDC	SPDT	20 A	1.96	1.77	1.57	1.50
655-T9AS5D12-24	T9AS5D12-24	A	24 VDC	SPDT	20 A	2.27	2.16	2.05	1.93
PCB Terminals Coil & Contacts, and .250" Contact QC									
655-T9AS1D22-12	T9AS1D22-12	B	12 VDC	SPST-NO	30 A	2.46	2.34	2.21	2.09
655-T9AS1D22-24	T9AS1D22-24	B	24 VDC	SPST-NO	30 A	2.45	2.33	2.21	2.09
655-T9AS5D22-12	T9AS5D22-12	B	12 VDC	SPDT	20 A	2.45	2.33	2.21	2.09
655-T9AS5D22-24	T9AS5D22-24	B	24 VDC	SPDT	20 A	2.45	2.33	2.21	2.09
Flange Mount w/ .187" Coil QC and .250" Contact QC									
655-T9AP5D52-12	T9AP5D52-12	C	12 VDC	SPDT	20 A	2.79	2.41	2.28	2.14
655-T9AP5D52-24	T9AP5D52-24	C	24 VDC	SPDT	20 A	2.67	2.51	2.36	2.20

P&B RT SERIES: MINIATURE PCB RELAYS

Specifications:
- Enclosure: RT 1,3,4 - Flux-light, top vented, plastic case
  RT B,D,E - Immersion cleanable, plastic case
- Pin spacing: RT 1,B - 3.5mm; RT 3,4,D,E - 5mm
- Contact material: Silver-Nickel 90/10
- Expected Mechanical life: 10 million operations min.
- Operate/Release Time: 7 ms/3 ms typical
- DC - UL Class F coil insulation; AC -UL Class A coil insulation

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each 1	25	50	100
655-RT114012F	RT114012F	D	12 VDC	SPDT	12A	3.24	3.08	2.92	2.75
655-RT114024F	RT114024F	D	24 VDC	SPDT	12A	3.24	3.08	2.92	2.75
655-RTB14005F	RTB14005F	D	5 VDC	SPDT	12A	1.70	1.61	1.53	1.44
655-RTB14012F	RTB14012F	D	12 VDC	SPDT	12A	1.67	1.59	1.50	1.42
655-RTB14024F	RTB14024F	D	24 VDC	SPDT	12A	1.65	1.56	1.48	1.40
655-RTB14615	RTB14615	D	115 VAC	SPDT	12A	4.94	4.69	4.44	4.20
655-RTB34012F	RTB34012F	D	12 VDC	SPST-NO	12A	3.24	3.08	2.92	2.75
655-RTB34024F	RTB34024F	D	24 VDC	SPST-NO	12A	3.02	2.87	2.72	2.57
655-RTD14005F	RTD14005F	D	5 VDC	SPDT	16 A	2.48	2.36	2.23	2.11
655-RTD14012F	RTD14012F	D	12 VDC	SPDT	16 A	2.87	2.73	2.58	2.44
655-RTD14024F	RTD14024F	D	24 VDC	SPDT	16 A	2.86	2.72	2.57	2.43
655-RTD14615	RTD14615	D	115 VAC	SPDT	16 A	5.10	4.84	4.59	4.33
655-RTD34012F	RTD34012F	D	12 VDC	SPST-NO	16 A	3.24	3.08	2.92	2.75
655-RTD34024F	RTD34024F	D	24 VDC	SPST-NO	16 A	3.24	3.08	2.92	2.75
655-RTE24005F	RTE24005F	D	5 VDC	DPDT	8A	2.37	2.03	1.81	1.47
655-RTE24012F	RTB24012F	D	12 VDC	DPDT	8A	2.41	2.29	2.17	2.05
655-RTE24024F	RTE24024F	D	24 VDC	DPDT	8A	2.31	2.20	2.08	1.97
655-RTE44012F	RTE44012F	D	12 VDC	DPST-NO	8A	1.96	1.86	1.76	1.67
Sockets for RT Series									
655-RT78624	RT78624	DIN screw terminal 3.5mm pinning				5.75	4.93	4.38	3.93
655-RT78625	RT78625	DIN screw terminal 5mm pinning				6.81	5.88	5.27	4.54

P&B T73/T77/T7N SERIES: 10 AMP MINIATURE PCB RELAYS

Specifications:
- Enclosure: T7CS - Immersion cleanable, plastic sealed case;
  T7CV - Vented flux-tight plastic cover
- UL Class F coil insulation system

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res. (Ω)	Price Each 1	25	50	100
655-T73S5D15-05	T73S5D15-05	E	5 VDC	SPDT	56	1.86	1.77	1.67	1.58
655-T73S5D15-12	T73S5D15-12	E	12 VDC	SPDT	320	1.76	1.67	1.58	1.49
655-T73S5D15-24	T73S5D15-24	E	24 VDC	SPDT	1150	2.06	1.96	1.85	1.75
655-T77S1D10-05	T77S1D10-05	F	5 VDC	SPST-NO	55	1.48	1.32	1.19	.95
655-T77S1D10-12	T77S1D10-12	F	12 VDC	SPST-NO	320	1.48	1.32	1.25	1.18
655-T77S1D10-24	T77S1D10-24	F	24 VDC	SPST-NO	1280	1.44	1.29	1.17	.94
* 655-T77S1D3-05	T77S1D3-05	F	5 VDC	SPST-NO	125	1.44	1.29	1.17	.94
* 655-T77S1D3-12	T77S1D3-12	F	12 VDC	SPST-NO	720	1.34	1.27	1.21	1.14
* 655-T77S1D3-24	T77S1D3-24	F	24 VDC	SPST-NO	2800	1.34	1.27	1.21	1.14
655-T77V1D10-24	T77V1D10-24	F	24 VDC	SPST-NO	1280	1.36	1.30	1.24	1.16
655-T7NS5D1-05	T7NS5D1-05	G	5 VDC	SPDT	70	1.20	1.14	1.08	1.02
655-T7NS5D1-12	T7NS5D1-12	G	12 VDC	SPDT	400	1.10	1.04	.99	.93
655-T7NS5D1-24	T7NS5D1-24	G	24 VDC	SPDT	1600	1.20	1.14	1.08	1.02
655-T7NS5D1-48	T7NS5D1-48	G	48 VDC	SPDT	6400	1.58	1.40	1.26	1.05

* Contact rating is 3A for T77S1D3-05, T77S1D3-12, and T77S1D3-24

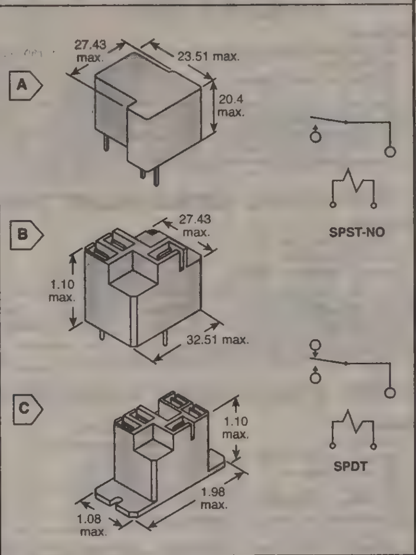
P&B T75 SERIES: LOW PROFILE, HIGH CURRENT PCB RELAYS

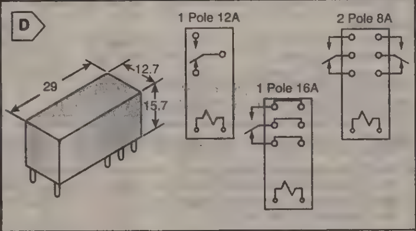
Specifications:
- Enclosure: Immersion cleanable, ultrasonically sealed case
- Contact rating: 14A

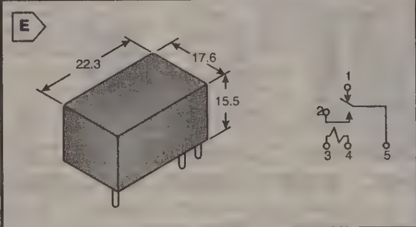
For quantities of 500 and up, call for quote.

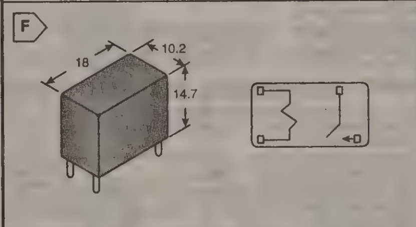
MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Coil Res. (Ω)	Price Each 1	25	50	100
655-T75S5D112-05	T75S5D112-05	H	5 VDC	SPDT	118	3.08	2.92	2.77	2.62
655-T75S5D112-12	T75S5D112-12	H	12 VDC	SPDT	650	3.92	3.72	3.52	3.33
655-T75S5D112-24	T75S5D112-24	H	24 VDC	SPDT	2270	3.04	2.89	2.74	2.59

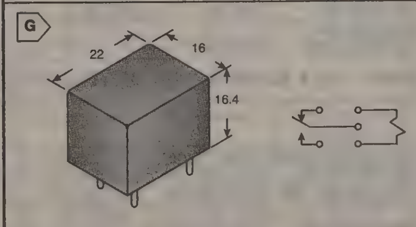
DIMENSIONS: mm

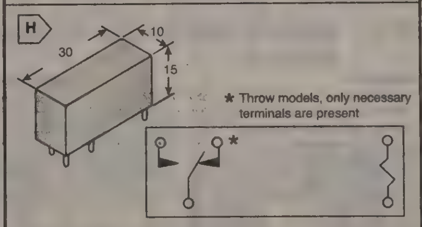












* Throw models, only necessary terminals are present

FUJITSU FBR512 SERIES COMPACT POWER TWIN AUTOMOTIVE RELAY: 1 POLE X 2 - 25 A

Features:
- Two independent relays mounted in a single package
- Miniature size
- High current contact capacity
- High resistance to vibration and shock
- Two contact gap options
- Improved heat resistance and extended operating temperature range

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Contact Form	Nominal Voltage (VDC)	Contact Rating	Price Each			
						1	100	500	1000
817-FBR512ND10-W1	FBR512ND10-W1	A	SPDT	10	25A	3.40	2.89	2.47	2.27

FUJITSU FTR-P2 SERIES: SILENT TWIN AUTOMOTIVE RELAYS

Features:
- 1 POLE x 2, H-Bridge, 25 A
- Low operating sound
- Compact, high density package
- High capacity
- Ease of PCB layout
- High breaking capability

Applications:
- Power windows
- Doorlocks
- Power seat
- Wiper (for H-bridge circuit)

For quantities of 2500 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance (±10% at 20°C)	Price Each			
						1	100	500	1000
817-FTR-P2CN010W1	FTR-P2CN010W1	B	10	455mW	220Ω	6.25	5.32	4.55	4.17

FUJITSU FTR-P3 SERIES: AUTOMOTIVE RELAYS

Features:
- 1 POLE - 25 A
- Compact, high density package
- High contact capacity

Applications:
- Power windows/seat
- Doorlocks
- Sun roof
- Wiper/IWW

For quantities of 2500 and up, call for quote.

817-FTR-P3CN009W1	FTR-P3CN009W1	C	9	0.6W	135Ω	1.63	1.28	1.18	1.08
817-FTR-P3CN010W1	FTR-P3CN010W1	C	10	0.6W	167Ω	1.63	1.38	1.18	1.08

FUJITSU FTR-P4 SERIES: COMPACT TWIN AUTOMOTIVE RELAYS

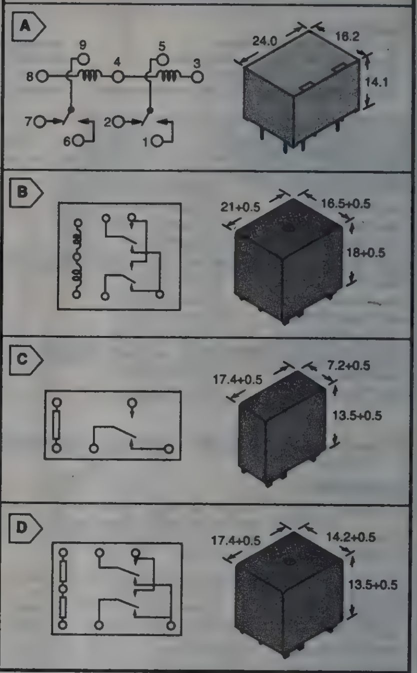
Features:
- 1 POLE x 2, H-Bridge - 25 A
- High density package
- High contact capacity
- Coil power savings

Applications:
- Power windows/seat
- Doorlocks
- Sun roof
- Tilt steering
- Retractable antenna

For quantities of 2500 and up, call for quote.

817-FTR-P4CN009W1	FTR-P4CN009W1	D	9	0.6W	135Ω	2.95	2.51	2.15	1.97
817-FTR-P4CN010W1	FTR-P4CN010W1	D	10	0.6W	167Ω	2.95	2.51	2.15	1.97

DIMENSIONS: mm



NEC EP2/EP1 SERIES: 25A AUTOMOTIVE RELAYS

- The EP2 H bridge type is a twin relay for forward and reverse control of motors (SPDT x 2 contact form)
- The EP2 separate type contains 2 separated relays in 1 package (SPDT x 2 contact form)
- The EP1 series is a single SPDT relay
- Nom. Operating Power: 640 mW
- Flux tight housing

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power (W)	Price Each			
							1	25	50	100
H Bridge Type										
551-EP2-3N1S	EP2-3N1S	A	1	12	225	0.64	3.93	3.63	3.33	3.02
Separate Type										
551-EP2-3N1ST	EP2-3N1ST	A	2	12	225	0.64	3.93	3.63	3.33	3.02
Single										
551-EP1-3N1S	EP1-3N1S	B	3	12	225	0.64	2.11	1.94	1.78	1.62

NEC ET2/ET1 SERIES: 25A AUTOMOTIVE RELAYS

- The ET2 is a twin type relay with SPDT x 2 contact form
- The ET1 is a single SPDT relay
- Flux tight housing
- Nom. operating power: 640mW

For quantities of 500 and up, call for quote.

551-ET2-B3M1S	ET2-B3M1S	C	1	12	225	640	5.34	4.92	4.51	4.10
551-ET1-B3M1S	ET1-B3M1S	D	4	12	225	640	2.81	2.59	2.38	2.16

NEC EN2 SERIES: 35A AUTOMOTIVE TWIN RELAYS

- The H bridge type is for forward and reverse control of motors
- The separate type contains 2 separated relays in 1 package
- Flux tight housing
- Contact form: SPDT x 2
- Nom. operating power: 1.15W

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power (W)	Price Each			
							1	25	50	100
H Bridge Type										
551-EN2-1N1S	EN2-1N1S	E	1	12	125	1.15	4.91	4.54	4.16	3.78
Separate Type										
551-EN2-1N1ST	EN2-1N1ST	E	2	12	125	1.15	4.91	4.54	4.16	3.78

NEC EQ1 SERIES: 35A AUTOMOTIVE RELAYS

- Nom. operating power: 640 mW for motor control; 800 mW for lamp control
- Contact form: SPDT for motor control; SPST for lamp control
- Flux tight housing

For quantities of 500 and up, call for quote.

For General Purpose Motor Control										
551-EQ1-31000S	EQ1-31000S	F	4	12	225	640mW	1.68	1.56	1.43	1.30
For Lamp and LCR Circuit Control										
551-EQ1-22111S	EQ1-22111S	F	5	12	180	800mW	1.68	1.56	1.43	1.30
551-EQ1-11111S	EQ1-11111S	F	5	12	144	1000mW	3.38	2.70	2.57	2.30

NEC EX1/EX2 SERIES: 25A PC BOARD MOUNT AUTOMOTIVE RELAYS

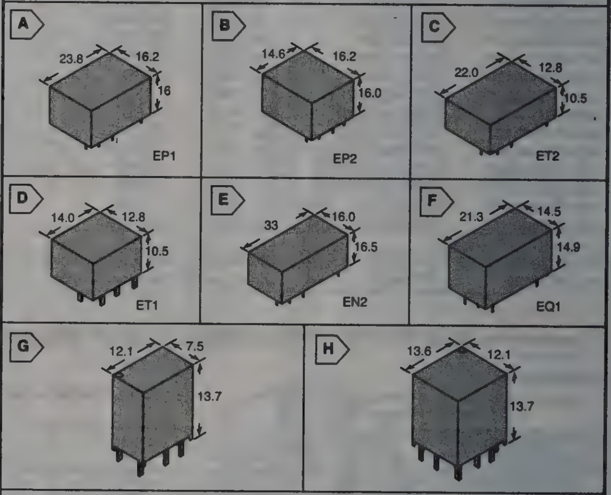
Features:
- Approx. 75% relay volume of ET2; 65% of ET1
- Approx. 88% relay weight of ET2; 78% of ET1
- Approx. 60% relay space of ET2; 50% of ET1

Applications:
- Motor control
- Heater control
- Soleniod control

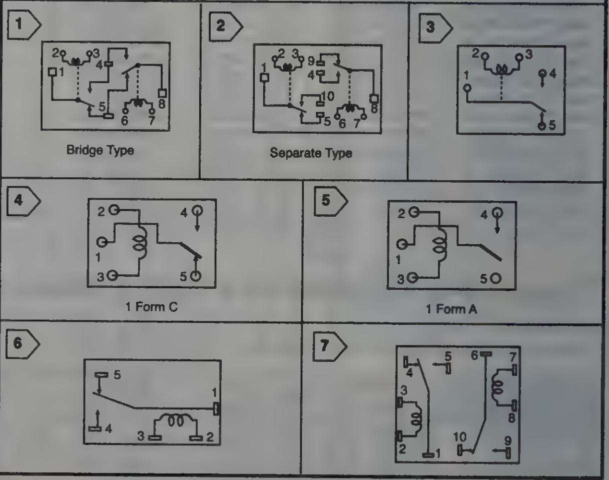
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Pin Config.	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Nominal Power	Price Each			
							1	25	50	100
551-EX1-2U1S	EX1-2U1S	G	6	12	160	900mW	3.78	3.51	3.21	2.90
551-EX2-2U1S	EX2-2U1S	H	7	12	160	900mW	4.56	4.16	3.80	3.44

DIMENSIONS: mm



PIN CONFIGURATIONS



Automotive Relays

OMRON G8HN SERIES: MICRO ISO AUTOMOTIVE RELAYS

- Max. switching current: 60A (NO, 30A (NC), steady 20A (NO), 10A (NC)
- Electrical service life: 100,000 cycles min.
- Contact material: Silver tin oxide (cadmium free)
- Rated voltage: 12VDC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Power Consumption	Price Each			
					1	25	50	100
653-G8HN1C2TRDC12	G8HN-1C2T-R-DC12	A	SPDT	1309 mW	4.38	3.94	3.50	3.15

OMRON G8JN SERIES: AUTOMOTIVE RELAYS

- Contact form: SPDT
- Standard ISO terminal footprint
- Resistance without suppression resistor: 78Ω ±15%
- Rated voltage: 12VDC
- Max. resistive load 35A (NO)/ 20A (NC)
- Max. inrush current (inductive load): 100A (NO)/ 40A (NC)
- Electrical service life: 100,000 cycles min.

Standard Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Supp. Resistor	Bracket	Price Each			
					1	25	50	100
653-G8JN1C7TDC12	G8JN-1C7T-DC12	B	-----	-----	5.22	4.70	4.17	3.65
653-G8JN1C7TMFDC12	G8JN-1C7T-MF-DC12	C	-----	Plastic	4.52	4.15	3.76	3.58
653-G8JN1C7TRDC12	G8JN-1C7T-R-DC12	B	680 W	-----	5.31	4.78	4.25	3.72
653-G8JN1C7TMFRDC12	G8JN-1C7T-MF-R-DC12	C	680 W	Plastic	4.52	4.15	3.76	3.58

Weatherproof Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Supp. Resistor	Bracket	Price Each			
					1	25	50	100
653-G8JN1C6TDC12	G8JN-1C6T-DC12	D	-----	-----	5.26	4.74	4.21	3.68
653-G8JN1C6TFDC12	G8JN-1C6T-F-DC12	E	-----	Metal	6.49	5.84	5.19	4.54
653-G8JN1C6TRDC12	G8JN-1C6T-R-DC12	D	680 W	-----	5.36	4.82	4.29	3.75
653-G8JN1C6TFRDC12	G8JN-1C6T-F-R-DC12	E	680 W	Metal	6.58	5.92	5.26	4.61

OMRON G8W SERIES: PLUG-IN MINI-280 ISO AUTOMOTIVE RELAYS

- Supplied with suppression resistor 680Ω
- Resistance without suppression resistor: 91Ω ±15%
- Rated voltage: 12VDC
- Max. resistive load 35A (NO)/ 20A (NC)
- Max. inrush current (inductive load): 100A (NO)/ 20A break (NC)
- Electrical service life: 100,000 cycles min.

Standard Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Bracket	Price Each			
					1	25	50	100
653-G8W1A7TRDC12	G8W-1A7T-R-DC12	F	SPST-NO	-----	5.10	4.75	4.51	4.39
653-G8W1C7TRDC12	G8W-1C7T-R-DC12	F	SPDT	-----	5.25	4.89	4.64	4.52

Weatherproof Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Bracket	Price Each			
					1	25	50	100
653-G8W1A6TRDC12	G8W-1A6T-R-DC12	G	SPST-NO	-----	5.46	5.08	4.82	4.70
653-G8W1C6TRDC12	G8W-1C6T-R-DC12	G	SPDT	-----	5.66	5.26	5.00	4.87
653-G8W1A6TFRDC12	G8W-1A6T-F-R-DC12	H	SPST-NO	Metal	6.06	5.64	5.36	5.22
653-G8W1C6TFRDC12	G8W-1C6T-F-R-DC12	H	SPDT	Metal	6.21	5.78	5.49	5.35

Tyco Electronics P&B VKP SERIES: AUTOMOTIVE RELAYS

Authorized Distributor

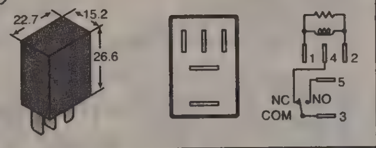
- Contact material: AgNiO.15
- Electrical service life: 100,000 cycles min.
- Rated voltage: 12VDC
- Max. resistive load 35A (NO)/ 20A (NC)
- Max. inrush current (lamp load): 100A
- Open style

For quantities of 500 and up, call for quote.

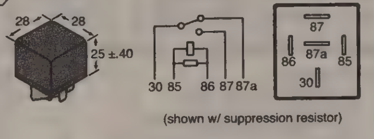
MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Terminals	Price Each			
					1	25	50	100
655-VKP-11F42	VKP-11F42	I	SPST-NO	PCB	2.25	1.84	1.75	1.38
655-VKP-15F42	VKP-15F42	I	SPDT	PCB	2.70	2.20	2.09	1.65

DIMENSIONS: mm

A

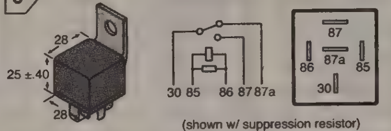


B



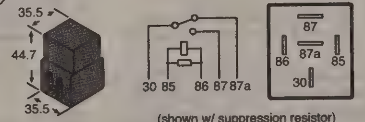
(shown w/ suppression resistor)

C



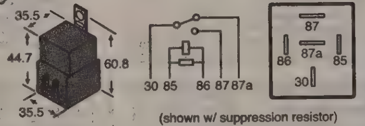
(shown w/ suppression resistor)

D



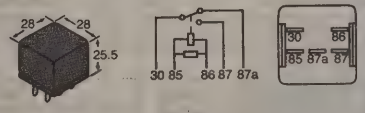
(shown w/ suppression resistor)

E

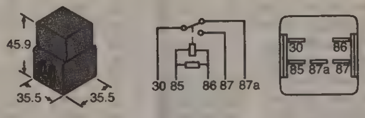


(shown w/ suppression resistor)

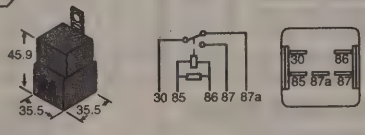
F



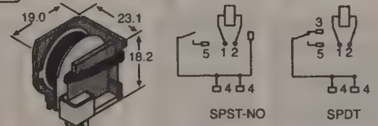
G



H



I



MICROMINIATURE REED RELAY

DIMENSIONS: In. (mm)

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- High Insulation Resistance
- High Speed Switching
- Very Small (0.17 IN)
- High Reliability

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-2200-2301	2200-2301	A	SPST	5	0.5	1	6.66	6.33	6.04	5.53
816-2200-2302	2200-2302	A	SPST	5	0.5	1	6.83	6.49	6.19	5.66
816-2204-05-401	2204-05-401	A	SPST	5	0.5	1	6.02	5.73	5.46	5.00
816-2204-05-411	2204-05-411	A	SPST	5	0.5	1	6.21	5.90	5.63	5.18

MICROMINIATURE FORM C REED RELAY

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- High Insulation Resistance
- High Speed Switching
- Very Small (0.20 IN)
- High Reliability

For quantities of 250 and up, call for quote.

816-2211-05-301	2211-05-301	A	SPDT	5	0.25	0.5	10.41	9.90	9.44	8.64
816-2211-12-301	2211-12-301	A	SPDT	12	0.25	0.5	10.61	10.09	9.62	8.80
816-2911-05-301	2911-05-301	B	SPDT	5	0.25	1	9.59	9.11	8.67	7.97
816-2911-05-311	2911-05-311	B	SPDT	5	0.25	1	11.13	10.58	9.53	8.10
816-2911-05-321	2911-05-321	B	SPDT	5	0.25	1	11.30	9.89	8.93	8.02
816-2911-12-311	2911-12-311	B	SPDT	12	0.25	1	9.86	9.36	8.91	8.19
816-2911-12-321	2911-12-321	B	SPDT	12	0.25	1	10.41	9.90	9.44	8.64

LOW THERMAL EMF REED RELAY

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- High Insulation Resistance: 10Ω
- Control/ Signal Isolation of 1500VDC
- Low Power Coils To Ensure Low Thermal EMF
- Patented Low Thermal Design

RoHS Compliant

For quantities of 250 and up, call for quote.

816-3501-05-511	3501-05-511	C	SPST	5	0.5	1.5	18.73	17.82	16.92	15.91
816-3502-05-511	3502-05-511	D	DPST	5	0.5	1.5	22.12	20.75	19.38	18.70
816-3602-05-52	3602-05-52	E	DPST	5	0.25	1.5	17.39	16.46	14.77	13.93

HIGH VOLTAGE REED RELAY

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec. max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- High Dielectric Strength
- High Contact Rating: 200 Watts
- Low Contact Resistance: 0.03Ω typical
- Magnetic Shield Standard

RoHS Compliant

For quantities of 250 and up, call for quote.

816-5501-05-1	5501-05-1	F	SPST	5	3.0	5	26.46	24.02	22.53	19.54
816-5501-12-1	5501-12-1	F	SPST	12	3.0	5	22.53	20.04	19.62	18.52
816-5501-24-1	5501-24-1	F	SPST	24	3.0	5	21.54	20.98	19.71	18.30

SPARTAN DIP RELAY

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

Features:
- Available Coils in 5V, 12V, 24V
- Molded Thermoset Body On Integral Lead Frame Design
- Drop-In Low Cost Replacement For Standard DIP Packages

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-8L01-05-011	8L01-05-011	G	SPST	5	0.5	1	1.71	1.62	1.55	1.44
816-8L01-05-111	8L01-05-111	G	SPST	5	0.5	1	1.84	1.76	1.67	1.54
816-8L01-12-001	8L01-12-001	G	SPST	12	0.5	1	1.57	1.49	1.42	1.31
816-8L01-12-101	8L01-12-101	G	SPST	12	0.5	1	1.71	1.62	1.55	1.44
816-8L01-12-111	8L01-12-111	G	SPST	12	0.5	1	1.83	1.76	1.67	1.54
816-8L02-05-00	8L02-05-00	G	DPST	5	0.5	1	2.35	2.24	2.13	1.50
816-8L02-05-01	8L02-05-01	G	DPST	5	0.5	1	2.46	2.35	2.22	2.05
816-8L02-05-11	8L02-05-11	G	DPST	5	0.5	1	2.63	2.49	2.37	2.19
816-8L02-12-00	8L02-12-00	G	DPST	12	0.5	1	2.35	2.24	2.13	1.97
816-8L02-12-11	8L02-12-11	G	DPST	12	0.5	1	2.63	2.49	2.37	2.19
816-8L41-05-001	8L41-05-001	G	SPDT	5	0.25	0.5	3.28	2.78	2.57	2.32
816-8L41-05-101	8L41-05-101	G	SPDT	5	0.25	0.5	3.52	3.35	3.19	2.93
816-8L41-05-111	8L41-05-111	G	SPDT	5	0.25	0.5	3.66	3.49	3.31	3.06
816-8L41-12-001	8L41-12-001	G	SPDT	12	0.25	0.5	3.39	3.23	3.07	2.84
816-8L41-12-011	8L41-12-011	G	SPDT	12	0.25	0.5	3.05	2.90	2.75	2.53
816-8L41-12-101	8L41-12-101	G	SPDT	12	0.25	0.5	3.05	2.90	2.75	2.53
816-8L41-12-111	8L41-12-111	G	SPDT	12	0.25	0.5	3.18	3.02	2.87	2.64

SIP REED RELAY

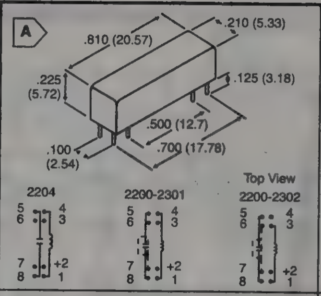
Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

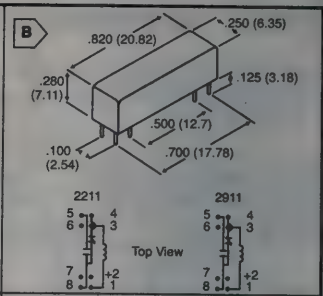
Features:
- Magnetic Shielding Reduces Interaction
- High Speed Switching
- UL File # E67117
- 9012 is the smallest 10W SIP Relay
- 9011 is the smallest 3W SIP Relay
- 9091 is a 10W SIP Relay

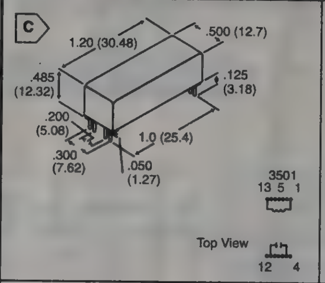
RoHS Compliant

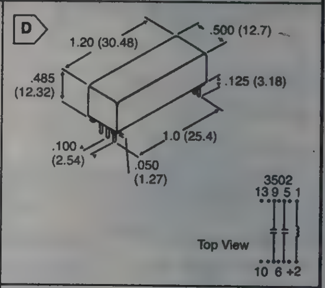
For quantities of 250 and up, call for quote.

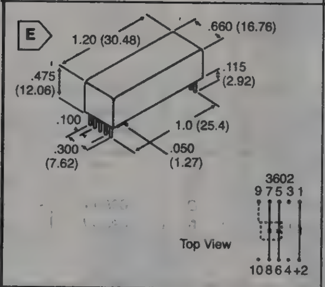
816-9001-05-00	9001-05-00	H	SPST	5	0.5	1.5	2.37	2.26	2.15	1.97
816-9001-12-00	9001-12-00	H	SPST	12	0.5	1.5	2.37	2.26	2.15	1.97
816-9002-05-00	9002-05-00	I	SPST	5	0.5	1.5	3.10	2.95	2.82	2.57
816-9002-05-01	9002-05-01	I	SPST	5	0.5	1.5	3.20	3.04	2.89	2.64
816-9011-05-10	9011-05-10	J	SPST	5	0.25	0.5	4.91	4.67	4.43	4.08
816-9012-05-10	9012-05-10	K	SPST	5	0.5	1.5	4.00	3.80	3.61	3.32
816-9091-05-00	9091-05-00	L	SPST	5	0.5	1.5	2.68	2.54	2.43	2.22

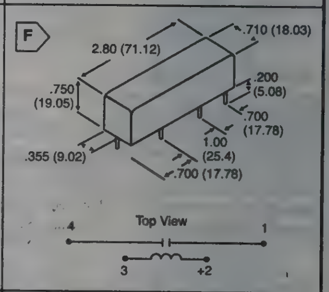

A
.810 (20.57)
.210 (5.33)
.225 (5.72)
.125 (3.18)
.500 (12.7)
.100 (2.54)
.700 (17.78)
Top View
2204
2200-2301
2200-2302
5 6 4 3 7 8 +2 1

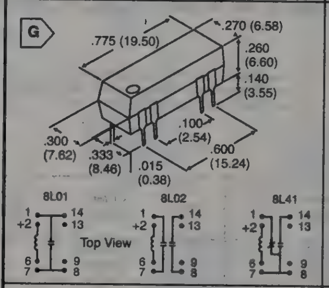

B
.820 (20.82)
.250 (6.35)
.280 (7.11)
.125 (3.18)
.500 (12.7)
.100 (2.54)
.700 (17.78)
2211
2911
Top View
5 6 4 3 7 8 +2 1

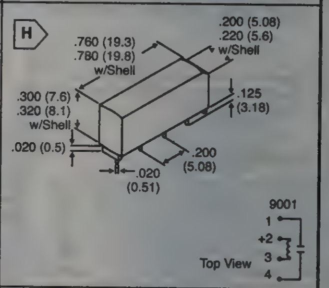

C
1.20 (30.48)
.500 (12.7)
.485 (12.32)
.125 (3.18)
.200 (5.08)
.300 (7.62)
1.0 (25.4)
.050 (1.27)
3501
13 5 1
Top View
12 4

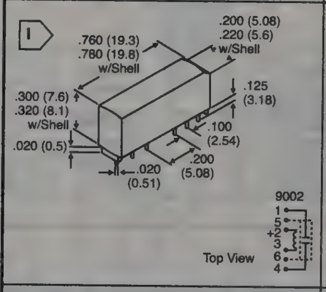

D
1.20 (30.48)
.500 (12.7)
.485 (12.32)
.125 (3.18)
.100 (2.54)
1.0 (25.4)
.050 (1.27)
3502
13 9 5 1
Top View
10 6 +2

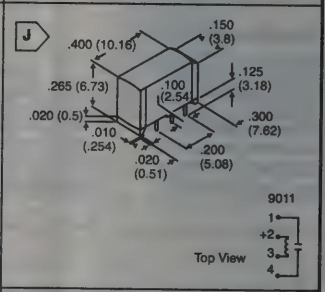

E
1.20 (30.48)
.660 (16.76)
.475 (12.06)
.115 (2.92)
.100
.300 (7.62)
1.0 (25.4)
.050 (1.27)
3602
9 7 5 3 1
Top View
10 8 6 4 +2

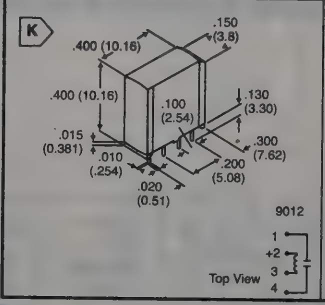

F
2.80 (71.12)
.710 (18.03)
.750 (19.05)
.200 (5.08)
.700 (17.78)
1.00 (25.4)
.355 (9.02)
.700 (17.78)
Top View
4 1
3 +2

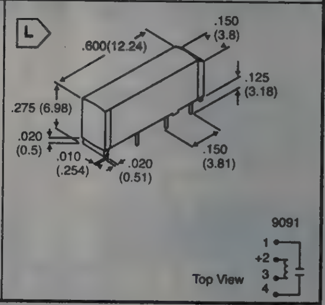

G
.775 (19.50)
.270 (6.58)
.260 (6.60)
.140 (3.55)
.100 (2.54)
.300 (7.62)
.333 (8.46)
.015 (0.38)
.600 (15.24)
8L01
8L02
8L41
Top View
1 +2 14 13 6 7 9 8


H
.760 (19.3)
.780 (19.8) w/Shell
.200 (5.08)
.220 (5.6) w/Shell
.300 (7.6)
.320 (8.1) w/Shell
.125 (3.18)
.020 (0.5)
.200 (5.08)
.020 (0.51)
9001
1 +2 3 4
Top View


I
.760 (19.3)
.780 (19.8) w/Shell
.200 (5.08)
.220 (5.6) w/Shell
.300 (7.6)
.320 (8.1) w/Shell
.125 (3.18)
.100 (2.54)
.020 (0.5)
.200 (5.08)
.020 (0.51)
9002
1 5 +2 3 6 4
Top View


J
.400 (10.16)
.150 (3.8)
.265 (6.73)
.100 (2.54)
.125 (3.18)
.020 (0.5)
.300 (7.62)
.010 (.254)
.020 (0.51)
.200 (5.08)
9011
1 +2 3 4
Top View


K
.400 (10.16)
.150 (3.8)
.400 (10.16)
.100 (2.54)
.130 (3.30)
.015 (0.381)
.010 (.254)
.300 (7.62)
.200 (5.08)
.020 (0.51)
9012
1 +2 3 4
Top View


L
.600(12.24)
.150 (3.8)
.125 (3.18)
.275 (6.98)
.020 (0.5)
.010 (.254)
.020 (0.51)
.150 (3.81)
9091
1 +2 3 4
Top View

COTO Reed Relays

SPARTAN SIP RELAY

Features:
- High Insulation Resistance: $10^{10}\Omega$
- High Speed Switching
- UL File # E67117, CSA File # LR 28537
- Coaxial Shield for 50Ω Impedance & Switching

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Solder Temp: 270°C max; 10 sec max
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9007-05-00	9007-05-00	A	SPST	5	0.5	1	.98	.94	.89	.82
816-9007-12-00	9007-12-00	A	SPST	12	0.5	1	1.02	.96	.89	.82
816-9081-05-00	9081-05-00	B	SPST	5	0.5	1	1.09	1.03	.99	.91
816-9081-12-00	9081-12-00	B	SPST	12	0.5	1	1.14	1.09	1.03	.96

SURFACE MOUNT REED RELAY

Features:
- 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching
- External Magnetic Shield

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9201-05-00	9201-05-00	C	SPST	5	0.5	1.5	4.54	3.86	3.49	3.12
816-9202-05-00	9202-05-00	D	SPST	5	0.5	1.5	4.19	3.99	3.79	3.47
816-9202-05-20	9202-05-20	E	SPST	5	0.5	1.5	4.19	3.99	3.79	3.47
816-9290-05-00	9290-05-00	F	SPST	5	0.5	1.5	4.51	4.31	4.08	3.79
816-9402-05-00	9402-05-00	G	SPST	5	0.5	1	4.97	4.73	4.50	4.12
816-9402-05-20	9402-05-20	H	SPST	5	0.5	1	4.97	4.73	4.50	4.12
816-9802-05-00	9802-05-00	I	SPST	5	0.25	0.5	6.49	6.18	5.86	5.38
816-9802-05-20	9802-05-20	J	SPST	5	0.25	0.5	6.49	6.18	5.86	5.38

MAGNETICALLY SHIELDED SURFACE MOUNT REED RELAY

Features:
- High Insulation Resistance: $10^{12}\Omega$
- High Speed Switching
- Small Surface Mount Package (0.225" x 0.550")
- 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching

Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9814-03-00	9814-03-00	K	SPST	3.3	0.25	0.5	7.31	6.96	6.61	6.06
816-9814-03-20	9814-03-20	L	SPST	3.3	0.25	0.5	7.31	6.96	6.61	6.06
816-9814-05-00	9814-05-00	K	SPST	5	0.25	0.5	7.31	6.92	6.61	6.06
816-9814-05-20	9814-05-20	L	SPST	5	0.25	0.5	7.31	6.96	6.61	6.06

SURFACE MOUNT FORM C REED RELAY

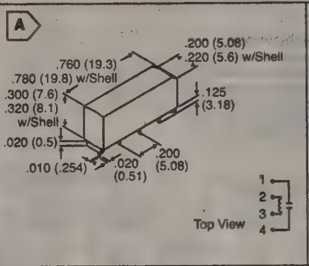
Features:
- High Insulation Resistance: $10^{12}\Omega$
- High Speed Switching
- Small Surface Mount Package (0.225" x 0.550")
- 50Ω Coaxial Shield for RF and Fast Rise Time Pulse Switching
- External Magnetic Shield

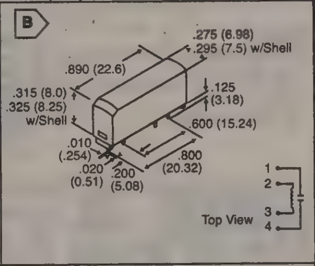
Specifications:
- Storage Temp: -35°C to +100°C
- Operating Temp: -20° to +85°C
- Vibration: 20 G's to 2000 Hz; Shock: 50 G's

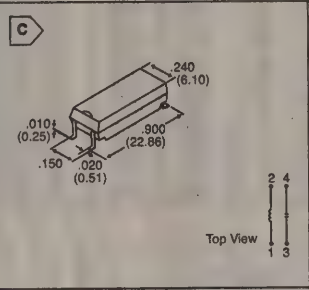
For quantities of 250 and up, call for quote.

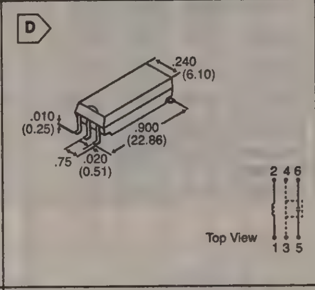
MOUSER STOCK NO.	Coto Part No.	Fig.	Circuit	Coil Voltage DC	Switching Current	Carry Current (A)	Price Each			
							1	10	50	100
816-9852-05-00	9852-05-00	K	SPDT	5	0.1	0.2	27.55	26.22	24.89	22.83

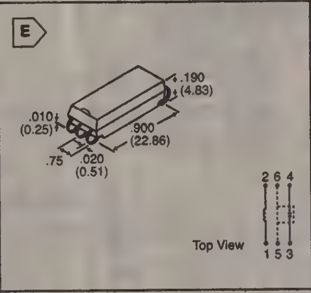
DIMENSIONS: in. (mm)

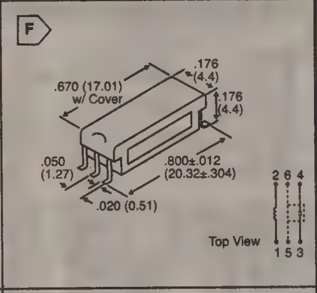

A
.200 (5.08)
.220 (5.6) w/Shell
.760 (19.3)
.780 (19.8) w/Shell
.300 (7.6)
.320 (8.1)
w/Shell
.125
(3.18)
.020 (0.5)
.010 (.254)
.020
(0.51)
.200
(5.08)
1
2
3
4
Top View

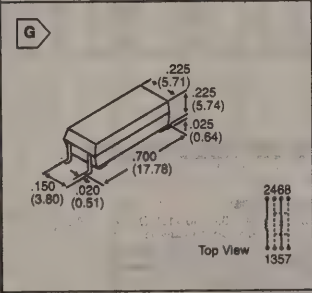

B
.275 (6.98)
.295 (7.5) w/Shell
.890 (22.6)
.315 (8.0)
.325 (8.25)
w/Shell
.125
(3.18)
.600 (15.24)
.010
(.254)
.020
(0.51)
.200
(5.08)
.800
(20.32)
1
2
3
4
Top View

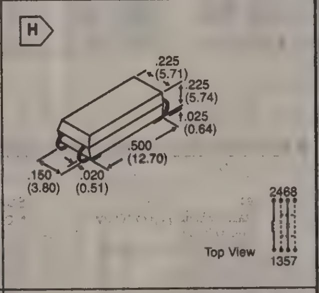

C
.240
(6.10)
.010
(0.25)
.900
(22.86)
.150
.020
(0.51)
2 4
1 3
Top View

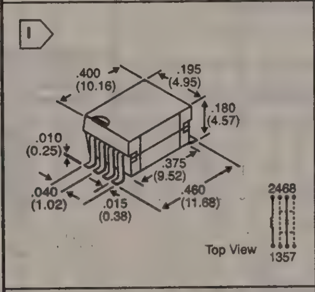

D
.240
(6.10)
.010
(0.25)
.900
(22.86)
.75
.020
(0.51)
2 4 6
1 3 5
Top View

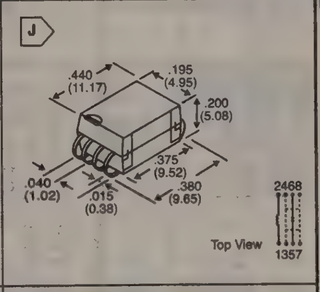

E
.190
(4.83)
.010
(0.25)
.900
(22.86)
.75
.020
(0.51)
2 6 4
1 5 3
Top View

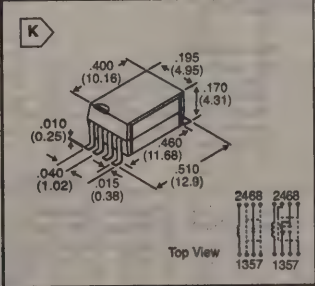

F
.176
(4.4)
.670 (17.01)
w/ Cover
.176
(4.4)
.050
(1.27)
.800±.012
(20.32±.304)
.020 (0.51)
2 6 4
1 5 3
Top View

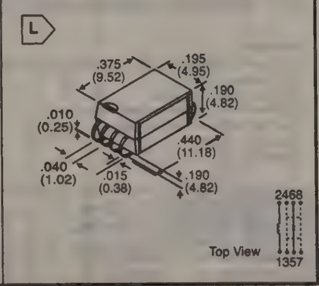

G
.225
(5.71)
.225
(5.74)
.025
(0.64)
.700
(17.78)
.150
(3.80)
.020
(0.51)
2468
1357
Top View


H
.225
(5.71)
.225
(5.74)
.025
(0.64)
.500
(12.70)
.150
(3.80)
.020
(0.51)
2468
1357
Top View


I
.400
(10.16)
.195
(4.95)
.180
(4.57)
.010
(0.25)
.375
(9.52)
.040
(1.02)
.015
(0.38)
.460
(11.68)
2468
1357
Top View


J
.440
(11.17)
.195
(4.95)
.200
(5.08)
.375
(9.52)
.040
(1.02)
.015
(0.38)
.380
(9.65)
2468
1357
Top View


K
.400
(10.16)
.195
(4.95)
.170
(4.31)
.010
(0.25)
.460
(11.68)
.040
(1.02)
.015
(0.38)
.510
(12.9)
2468
1357
2468
1357
Top View


L
.375
(9.52)
.195
(4.95)
.190
(4.82)
.010
(0.25)
.440
(11.18)
.040
(1.02)
.015
(0.38)
.190
(4.82)
2468
1357
Top View

COTO Reed Relays

9081 SERIES: SPARTAN SIP REED RELAYS

Features:
- Hermetically sealed contacts for long life
- High speed switching
- Molded thermoset body on integral lead frame design
- Magnetic Shield Option

Specifications:
- Storage Temperature: -35°C to +100°C
- Operate Temperature: -20°C to +85°C
- Solder Temperature: 270°C max 10 sec. max
- Vibration: 20 G's to 2000 Hz Shock: 50 G's
- Switching Current: .4
- Carry Current (A): 1.0

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9081C-05-00	9081C-05-00	A	5	125	3.75	0.4	2.64	2.50	2.34	2.25
816-9081C-05-10	9081C-05-10	A	5	125	3.75	0.4	2.84	2.69	2.54	2.43
816-9081C-12-00	9081C-12-00	A	12	500	9.00	1.0	2.69	2.53	2.39	2.31
816-9081C-12-10	9081C-12-10	A	12	500	9.00	1.0	2.91	2.75	2.58	2.46
816-9081C-24-00	9081C-24-00	A	24	2000	18.00	2.0	2.75	2.59	2.43	2.33
816-9081C-24-10	9081C-24-10	A	24	2000	18.00	2.0	2.96	2.80	2.63	2.52
816-9081C1-05-00	9081C1-05-00	B	5	125	3.75	0.4	2.64	2.50	2.34	2.25
816-9081C1-05-10	9081C1-05-10	B	5	125	3.75	0.4	2.84	2.69	2.54	2.43
816-9081C1-12-00	9081C1-12-00	B	12	500	9.00	1.0	2.69	2.53	2.39	2.31
816-9081C1-12-10	9081C1-12-10	B	12	500	9.00	1.0	2.91	2.75	2.58	2.46
816-9081C1-24-00	9081C1-24-00	B	24	2000	18.00	2.0	2.75	2.59	2.43	2.33
816-9081C1-24-10	9081C1-24-10	B	24	2000	18.00	2.0	2.96	2.80	2.63	2.52

9092 SERIES: MINIATURE SIP RELAYS

Features:
- 10W SIP relay measuring .600" x .150" x .350"
- High speed switching
- Molded thermoset body on integral lead frame design
- High insulation resistance
- Magnetic Shield Option
- Diode Option

Specifications:
- Storage Temperature: -35°C to +100°C
- Operate Temperature: -20°C to +85°C
- Solder Temperature: 270°C max 10 sec. max
- Vibration: 20 G's to 2000 Hz Shock: 50 G's
- Switching Current (A): 0.5
- Carry Current (A): 1.2

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9092-05-10	9092-05-10	C	5	375	3.75	0.4	7.03	6.66	6.24	5.99
816-9092-05-11	9092-05-11	C	5	375	3.75	0.4	7.13	6.75	6.33	6.08
816-9092-12-10	9092-12-10	C	12	750	9.0	1.0	7.06	6.65	6.27	6.02
816-9092-12-11	9092-12-11	C	12	750	9.0	1.0	7.15	6.73	6.35	6.09

9104 SERIES: HIGH VOLTAGE SIP REED RELAYS

Features:
- High voltage switching up to 1000V
- High speed switching
- Molded thermoset body on integral lead frame design
- High insulation resistance
- High dielectric strength 2000 VDC
- Diode Option

Specifications:
- Storage Temp: -35°C to +100°C
- Operate Temp: -20°C to +85°C
- Solder Temp: 270°C max 10 sec. max
- Vibration: 20 G's to 2000 Hz Shock: 50 G's
- Switching Current (A): .5
- Carry Current (A): 1.3

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9104-05-10	9104-05-10	D	5	175	3.75	0.5	7.03	6.66	6.24	5.99
816-9104-05-11	9104-05-11	D	5	175	3.75	0.5	7.13	6.75	6.33	6.08
816-9104-12-10	9104-12-10	D	12	500	9.0	1.0	7.06	6.65	6.27	6.02
816-9104-12-11	9104-12-11	D	12	500	9.0	1.0	7.15	6.73	6.35	6.09

9117 SERIES: MINIATURE SIP RELAYS

Features:
- 9117 is the smallest 3W SIP relay (.270"x.150"x.385")
- High speed switching
- High insulation resistance
- High reliability, hermetically sealed contacts
- Molded thermoset body on integral lead frame design
- Diode Option

Specifications:
- Storage Temperature: -35°C to +100°C
- Operate Temperature: -20°C to +85°C
- Solder Temperature: 270°C max 10 sec. max
- Vibration: 20 G's to 2000 Hz Shock: 50 G's
- Switching Current (A): .25
- Carry Current (A): .5

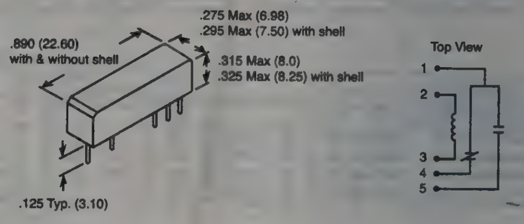
RoHS Compliant

For quantities of 250 and up, call for quote.

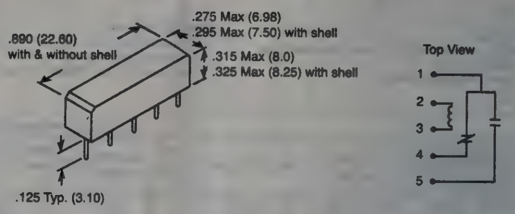
MOUSER STOCK NO.	Coto Part No.	Fig.	Coil Voltage	Coil Resist.	Operate Voltage	Release Voltage	Price Each			
							1	10	50	100
816-9117-05-10	9117-05-10	E	5	400	3.75	0.5	7.23	6.85	6.42	6.16
816-9117-05-11	9117-05-11	E	5	400	3.75	0.5	7.33	6.94	6.51	6.25

DIMENSIONS: In. (mm)

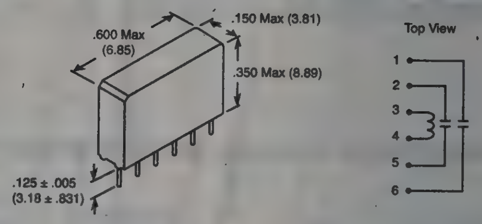
A


.275 Max (6.98)
.295 Max (7.50) with shell
.890 (22.60)
with & without shell
.315 Max (8.0)
.325 Max (8.25) with shell
.125 Typ. (3.10)
Top View
1
2
3
4
5

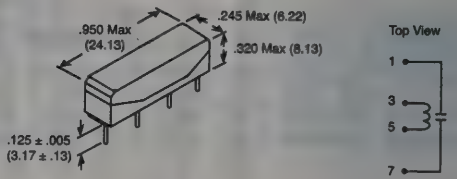
B


.275 Max (6.98)
.295 Max (7.50) with shell
.890 (22.60)
with & without shell
.315 Max (8.0)
.325 Max (8.25) with shell
.125 Typ. (3.10)
Top View
1
2
3
4
5

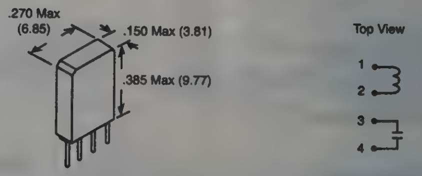
C


.600 Max
(6.85)
.150 Max (3.81)
.350 Max (8.89)
.125 ± .005
(3.18 ± .831)
Top View
1
2
3
4
5
6

D


.950 Max
(24.13)
.245 Max (6.22)
.320 Max (8.13)
.125 ± .005
(3.17 ± .13)
Top View
1
3
5
7

E


.270 Max
(6.85)
.150 Max (3.81)
.385 Max (9.77)
Top View
1
2
3
4

MAGNECRAFT Reed Relays

RoHS Compliant **This page of product is compliant.**

117 SIP 4 PIN REED RELAYS

Specifications:

- Contact resistance: 200mΩ max.
- Pin spacing of 0.2 between pins
- Standard 0.1 grid spacing
- Rated @ 10VA, 0.5 amp switching and can carry up to 1.5 amps
- Dielectric strength: 500Vrms (coil to frame)

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft Part No.	Fig.	Nom. Volts	Coil (Ω)	Max. Pick-up VDC	Nom. Power mW	Price Each			
							1	10	25	50
Class 117SIP, SPST-NO, Without Clamping Diode										
528-117-1	W117SIP-1	A1	5	500	4	50	2.25	2.08	1.97	1.87
528-117-3	W117SIP-3	A1	12	1000	9.6	144	2.25	2.08	1.97	1.87
528-117-5	W117SIP-5	A1	24	2000	19.2	288	3.35	3.10	2.94	2.77
Class 117SIP, SPST-NO, With Clamping Diode										
528-117-6	W117SIP-6	A2	5	500	4	50	2.32	2.25	2.13	2.01
528-117-8	W117SIP-8	A2	12	1000	9.6	144	3.35	3.10	2.94	2.77
528-117-10	W117SIP-10	A2	24	2000	19.2	288	3.60	3.32	3.15	2.97
Class 117SIP, SPST-NC, With Clamping Diode										
528-117-18	W117SIP-18	A3	5	500	4	50	4.98	4.61	4.36	4.11
528-117-25	W117SIP-25	A3	12	1200	9.6	120	5.22	4.83	4.57	4.31
528-117-26	W117SIP-26	A3	24	2200	19.2	220	6.10	5.64	5.34	5.03
Class 117SIP, SPST-NC, Without Clamping Diode										
528-117-22	W117SIP-22	A4	5	500	4	50	4.98	4.61	4.36	4.11
528-117-23	W117SIP-23	A4	12	1200	9.6	120	4.98	4.61	4.36	4.11

CLASS 107, 171, & 172 DRY REED RELAYS

Specifications:

- Contact resistance: 200mΩ max.
- Insulation resistance: 100MΩ @ 500VDC min.
- Dielectric withstanding voltage between contacts: 200Vrms

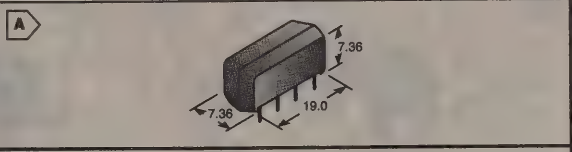
RoHS Compliant

For quantities of 100 and up, call for quote.

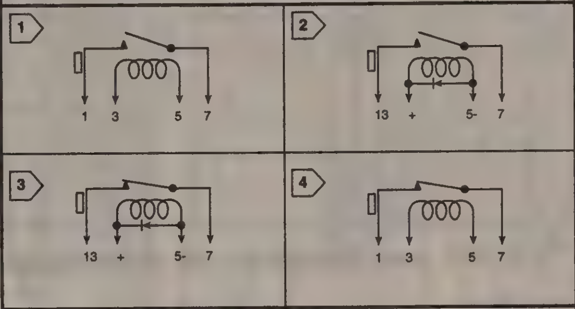
* With clamping diode

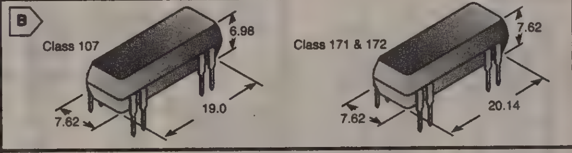
MOUSER STOCK NO.	Magnecraft Part No.	Fig.	Nom. Volts	Coil (Ω)	Max. Pick-up VDC	Nom. Power mW	Price Each			
							1	10	25	50
Class 107DIP, SPST-NO, 0.5 Amp										
528-107-1	W107DIP-1	B1	5	500	3.8	50	2.90	2.68	2.54	2.39
528-107-3	W107DIP-3	B1	12	1000	9	144	3.10	2.88	2.74	2.59
528-107-4	W107DIP-4	B1	24	2000	18	288	3.76	3.53	3.38	3.22
*528-107-5	W107DIP-5	B2	5	500	3.8	50	3.06	2.83	2.68	2.52
*528-107-7	W107DIP-7	B2	12	1000	9	144	3.29	3.06	2.91	2.75
*528-107-8	W107DIP-8	B2	24	2000	18	288	3.93	3.67	3.50	3.33
Class 171DIP, SPST-NO, 0.5 Amp (No Connection Pin 9 & 13)										
528-171-2	W171DIP-2	B3	5	500	3.8	50	2.84	2.63	2.49	2.34
528-171-4	W171DIP-4	B3	12	1200	9	120	2.04	1.89	1.79	1.68
528-171-5	W171 DIP-5	B3	24	2200	18	270	3.22	2.99	2.84	2.68
*528-171-7	W171DIP-7	B4	5	500	3.8	50	2.20	2.04	1.93	1.82
*528-171-9	W171DIP-9	B4	12	1200	9	144	3.10	2.85	2.70	2.55
*528-171-10	W171DIP-10	B4	24	2200	18	270	3.60	3.32	3.15	2.97
Class 171DIP, SPST-NC, 0.5 Amp										
528-171-12	W171DIP-12	B5	5	200	3.8	50	4.67	4.33	4.10	3.87
528-171-14	W171DIP-14	B5	12	1200	9	120	4.56	4.22	3.99	3.76
528-171-15	W171DIP-15	B5	24	2200	18	270	5.19	4.83	4.58	4.34
*528-171-17	W171DIP-17	B6	5	500	3.8	50	4.99	4.63	4.38	4.15
*528-171-19	W171DIP-19	B6	12	1200	9	120	5.05	4.69	4.44	4.20
*528-171-20	W171DIP-20	B6	24	2200	18	270	5.47	5.07	4.81	4.55
Class 171DIP, DPST-NO, 0.5 Amp										
528-171-21	W171DIP-21	B7	5	200	3.8	50	3.36	3.12	2.95	2.79
528-171-23	W171DIP-23	B7	12	1000	9	144	4.63	4.41	4.18	3.95
528-171-24	W171DIP-24	B7	24	2200	18	270	5.00	4.64	4.39	4.15
*528-171-25	W171DIP-25	B8	5	500	3.8	50	4.91	4.55	4.30	4.06
*528-171-27	W171DIP-27	B8	12	1000	9	144	3.58	3.32	3.15	2.97
*528-171-28	W171DIP-28	B8	24	2200	18	270	5.37	4.97	4.71	4.45
Class 172DIP, SPDT, 0.25 Amp										
528-172-1	W172DIP-1	B9	5	200	3.8	125	6.12	5.69	5.40	5.11
528-172-3	W172DIP-3	B9	12	500	9	300	6.74	6.25	5.93	5.60
528-172-4	W172DIP-4	B9	24	2200	18	270	6.78	6.29	5.97	5.64
*528-172-5	W172DIP-5	B10	5	200	3.8	125	4.52	4.19	3.98	3.76
*528-172-7	W172DIP-7	B10	12	500	9	300	6.78	6.29	5.97	5.64
Class 172DIP, SPDT, 0.25 Amp										
528-172-141	W172DIP-141	B11	5	200	3.8	125	6.00	5.59	5.31	5.04
528-172-145	W172DIP-145	B11	12	1000	9	144	6.48	6.00	5.69	5.37
528-172-146	W172DIP-146	B11	24	3200	18	180	6.62	6.18	5.87	5.56
Class 172DIP, SPDT, 0.25 Amp										
*528-172-147	W172DIP-147	B12	5	200	3.8	125	4.52	4.19	3.98	3.76
*528-172-149	W172DIP-149	B12	12	1000	9	144	4.52	4.19	3.98	3.76
*528-172-150	W172DIP-150	B12	24	3200	18	180	8.30	7.68	7.26	6.85
Class 172DIP, SPDT, 0.25 Amp										
528-172-33	W172DIP-33	B13	12	500	9	290	6.29	5.85	5.55	5.26
528-172-34	W172DIP-34	B13	24	2200	18	270	6.70	6.27	5.96	5.64
*528-172-35	W172DIP-35	B14	5	200	3.8	125	6.51	6.05	5.74	5.43
*528-172-37	W172DIP-37	B14	12	500	9	290	6.51	6.05	5.74	5.43
*528-172-38	W172DIP-38	B14	24	2200	18	270	6.69	6.47	6.15	5.81
Class 172DIP, DPDT, 0.5 Amp										
528-172-19	W172DIP-19	B15	12	266	9	540	31.76	29.38	27.79	26.20
*528-172-21	W172DIP-21	B16	5	46	3.8	540	35.48	32.82	31.05	29.27
*528-172-23	W172DIP-23	B16	12	266	9	540	35.48	32.82	31.05	29.27
*528-172-24	W172DIP-24	B16	24	1066	18	540	35.48	32.82	31.05	29.27

DIMENSIONS: mm

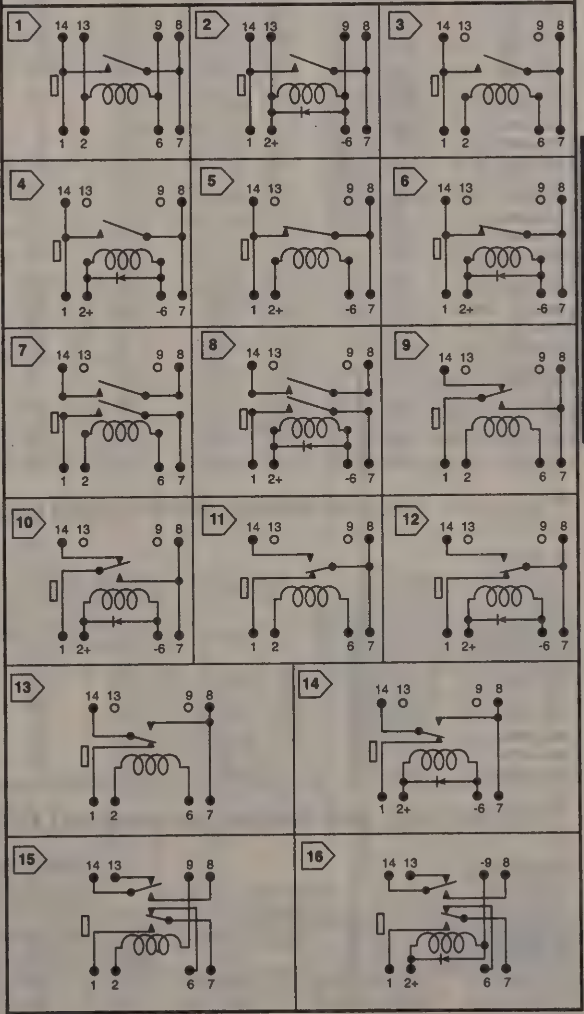


TERMINAL ARRANGEMENT



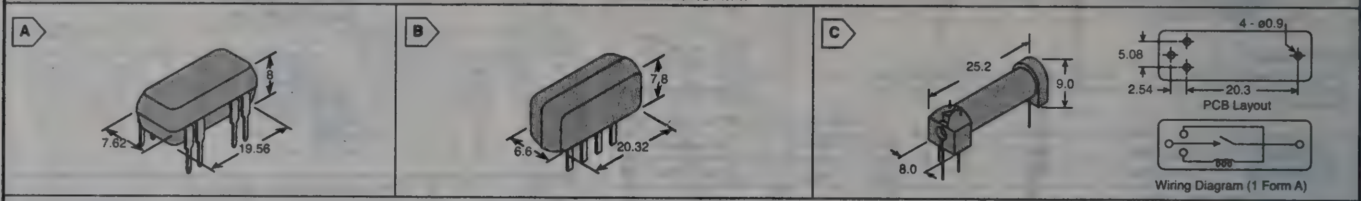


TERMINAL ARRANGEMENT

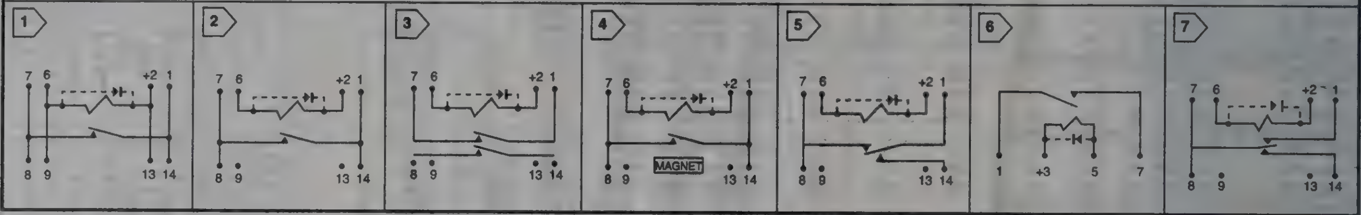


MOUSER ELECTRONICS a tti company

DIMENSIONS: mm



WIRING DIAGRAMS



P&B JWD SERIES: DIP DRY REED RELAYS

Specifications:
- Contact Material: Ruthenium
- Mechanical Life: 100 million operations
- Maximum Switched Current:500mA
- Operating Time (including bounce): 1.5ms max.
- Release Time (including bounce): 0.5ms max.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Max. Switched Power	Suppression Diode	Nominal Voltage	Must Operate Voltage	Must Release Voltage	Max. Voltage	Coil Res. (Ω)	Nominal Current	Price Each			
												1	25	50	100
655-JWD-107-1	JWD-107-1	A1	SPST-NO	10 W	No	5/6 VDC	3.8 VDC	0.5 VDC	19 VDC	500	50/72 mW	3.54	3.36	3.18	3.01
655-JWD-107-5	JWD-107-5	A1	SPST-NO	10 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	19 VDC	500	50/72 mW	4.64	4.41	4.18	3.94
655-JWD-107-3	JWD-107-3	A1	SPST-NO	10 W	No	12 VDC	9.6 VDC	1.0 VDC	19 VDC	1200	120 mW	3.10	2.95	2.79	2.64
655-JWD-107-7	JWD-107-7	A1	SPST-NO	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	1200	120 mW	4.21	4.00	3.79	3.58
655-JWD-171-5	JWD-171-5	A2	SPST-NO	10 W	No	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2150	268 mW	6.58	6.26	5.93	5.60
655-JWD-171-10	JWD-171-10	A2	SPST-NO	10 W	Yes	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2150	268 mW	5.00	4.78	4.51	4.25
655-JWD-171-21	JWD-171-21	A3	DPST-NO	10 W	No	5/6 VDC	3.8 VDC	0.5 VDC	14 VDC	200	125/180 mW	5.80	5.51	5.22	4.93
655-JWD-171-25	JWD-171-25	A3	DPST-NO	10 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	14 VDC	200	125/180 mW	6.05	5.75	5.44	5.14
655-JWD-171-23	JWD-171-23	A3	DPST-NO	10 W	No	12 VDC	9.6 VDC	1.0 VDC	19 VDC	500	288 mW	5.08	4.78	4.49	4.19
655-JWD-171-27	JWD-171-27	A3	DPST-NO	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	500	288 mW	6.05	5.75	5.45	5.14
655-JWD-171-24	JWD-171-24	A3	DPST-NO	10 W	No	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2200	262 mW	7.23	6.31	5.66	4.48
655-JWD-171-28	JWD-171-28	A3	DPST-NO	10 W	Yes	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2200	262 mW	7.51	7.15	6.77	6.40
655-JWD-171-12	JWD-171-12	A4	SPST-NC	10 W	No	5/6 VDC	3.8 VDC	0.5 VDC	7 VDC	500	50/72 mW	5.44	5.17	4.89	4.62
655-JWD-171-17	JWD-171-17	A4	SPST-NC	10 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	7 VDC	500	50/72 mW	6.06	5.75	5.45	5.15
655-JWD-171-14	JWD-171-14	A4	SPST-NC	10 W	No	12 VDC	9.6 VDC	1.0 VDC	16 VDC	1200	120 mW	7.23	6.31	5.66	4.48
655-JWD-171-19	JWD-171-19	A4	SPST-NC	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	16 VDC	1200	120 mW	5.49	5.21	4.94	4.66
655-JWD-171-15	JWD-171-15	A4	SPST-NC	10 W	No	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2200	262 mW	5.10	4.55	4.15	3.75
655-JWD-171-20	JWD-171-20	A4	SPST-NC	10 W	Yes	24 VDC	19.2 VDC	2.0 VDC	40 VDC	2200	262 mW	6.06	5.75	5.46	5.15
655-JWD-172-1	JWD-172-1	A5	SPDT	3 W	No	5/6 VDC	3.8 VDC	0.5 VDC	12 VDC	200	125/180 mW	7.56	7.18	6.80	6.43
655-JWD-172-5	JWD-172-5	A5	SPDT	3 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	12 VDC	200	125/180 mW	7.56	7.18	6.80	6.43
655-JWD-172-3	JWD-172-3	A5	SPDT	3 W	No	12 VDC	9.6 VDC	1.0 VDC	19 VDC	500	288 mW	7.70	7.31	6.93	6.54
655-JWD-172-7	JWD-172-7	A5	SPDT	3 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	500	288 mW	7.36	6.63	5.89	5.16
655-JWD-172-4	JWD-172-4	A5	SPDT	3 W	No	24 VDC	19.2 VDC	2.0 VDC	38 VDC	2200	262 mW	7.77	7.31	6.86	6.40
655-JWD-172-8	JWD-172-8	A5	SPDT	3 W	Yes	24 VDC	19.2 VDC	2.0 VDC	38 VDC	2200	262 mW	7.62	7.24	6.86	6.47
655-JWD-172-155	JWD-172-155	A7	SPDT	3 W	No	5/6 VDC	3.8 VDC	0.5 VDC	12 VDC	200	125/180 mW	7.70	7.31	6.93	6.54
655-JWD-172-159	JWD-172-159	A7	SPDT	3 W	Yes	5/6 VDC	3.8 VDC	0.5 VDC	12 VDC	200	125/180 mW	7.70	7.31	6.93	6.54
655-JWD-172-161	JWD-172-161	A7	SPDT	3 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	1000	144 mW	8.04	7.64	7.23	6.83
655-JWD-172-158	JWD-172-158	A7	SPDT	3 W	No	24 VDC	19.2 VDC	2.0 VDC	38 VDC	2150	268 mW	7.76	7.12	6.68	6.23
655-JWD-172-162	JWD-172-162	A7	SPDT	3 W	Yes	24 VDC	19.2 VDC	2.0 VDC	38 VDC	2150	268 mW	7.96	7.31	6.86	6.40

P&B JWS SERIES: SIP DRY REED RELAYS

Specifications:
- Contact Material: Ruthenium
- Mechanical Life: 100 million operations
- Maximum Switched Current:500mA
- Operating Time (including bounce): 1.5ms max.
- Release Time (including bounce): 0.5ms max.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Max. Switched Power	Suppression Diode	Nominal Voltage	Must Operate Voltage	Must Release Voltage	Max. Voltage	Coil Res. (Ohm)	Nominal Current	Price Each			
												1	25	50	100
655-JWS-117-1	JWS-117-1	B6	SPST-NO	10 W	No	5 VDC	3.8 VDC	0.5 VDC	16 VDC	500	50 mW	3.88	3.68	3.49	3.30
655-JWS-117-6	JWS-117-6	B6	SPST-NO	10 W	Yes	5 VDC	3.8 VDC	0.5 VDC	16 VDC	500	50 mW	7.16	6.43	5.93	4.97
655-JWS-117-3	JWS-117-3	B6	SPST-NO	10 W	No	12 VDC	9.6 VDC	1.0 VDC	19 VDC	530	272 mW	3.88	3.68	3.49	3.30
655-JWS-117-8	JWS-117-8	B6	SPST-NO	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	19 VDC	530	272 mW	6.48	6.10	5.72	5.33
655-JWS-117-18	JWS-117-18	B6	SPST-NO	10 W	Yes	12 VDC	9.6 VDC	1.0 VDC	30 VDC	1850	78 mW	4.86	4.58	4.29	4.00
655-JWS-117-5	JWS-117-5	B6	SPST-NO	10 W	No	24 VDC	19.2 VDC	2.0 VDC	36 VDC	2150	268 mW	6.89	5.90	4.96	4.09

OEG OMR SERIES: DRY REED RELAYS

Specifications:
- Small package
- Contact rating: 0.5A @ 120VAC
- Nominal power: 100 - 280mW
- Contact material: Rh, Ru

Common Applications:
- Telecommunications
- Office machines

E82292

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Contact Form	Max. Switched Power	Suppression Diode	Nominal Voltage	Must Operate Voltage	Must Release Voltage	Max. Voltage	Coil Res. (Ω)	Nominal Current	Price Each			
												1	25	50	100
677-OMR-106H	OMR-106H,V000	C	SPST-NO	10 W	No	5/6 VDC	3.5 VDC	0.5 VDC	60 VDC	250	24 mA	1.13	.95	.91	.85
677-OMR-112H	OMR-112H,V000	C	SPST-NO	10 W	No	12 VDC	8.4 VDC	1.2 VDC	60 VDC	1050	11.4 mA	1.94	1.84	1.75	1.65

Cii Solid State Relays

PANEL MOUNT POWER RELAYS

- Superior Surge Survival™
- 4000V Isolation
- Zero Cross Turn-On
- Direct Copper Bonded SCR's
- Current Limited Inputs
- Rated @ 40°C
- Safety Cover Included
- 800V Peak Blocking V (300V)
- 1200V Peak Blocking V (600V)
- High Surge Capability
- Built in Snubber

CE compliant EN60947

SVAA Series, 100VAC Input, Current Limited to 19mA Max.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Turn-Off Voltage	Price Each			
								1	10	25	50
AC Control											
518-4410	SVAA/3V10	A	24-330	.05-10A	100-280VAC	2mA/19mA	20V/2mA	22.28	20.05	17.82	15.60
518-4425	SVAA/3V25	A	24-330	.10-25A	100-280VAC	2mA/19mA	20V/2mA	24.37	21.94	19.50	17.07
518-4450	SVAA/3V50	A	24-330	.10-50A	100-280VAC	2mA/19mA	20V/2mA	34.59	31.14	27.67	24.22
518-4475	SVAA/3V75	A	24-330	.10-75A	100-280VAC	2mA/19mA	20V/2mA	52.88	47.59	42.30	37.02
518-4650	SVAA/6V50	A	24-660	.10-50A	100-280VAC	2mA/19mA	20V/2mA	47.84	43.06	38.27	33.49
518-4675	SVAA/6V75	A	24-660	.10-75A	100-280VAC	2mA/19mA	20V/2mA	58.60	52.74	46.88	41.02

SVDA Series, 4-32VDC Input, Current Limited to 10mA Max.

For quantities of 100 and up, call for quote.

DC Control											
518-4310	SVDA/3V10	A	24-330	.05-10A	4-32VDC	5.4mA/10mA	1VDC	17.23	15.52	13.78	12.07
518-4325	SVDA/3V25	A	24-330	.10-25A	4-32VDC	5.4mA/10mA	1VDC	21.36	19.22	17.09	14.95
518-4350	SVDA/3V50	A	24-330	.10-50A	4-32VDC	3.5mA/8mA	1VDC	30.55	27.50	24.44	21.39
518-4375	SVDA/3V75	A	24-330	.10-75A	4-32VDC	3.5mA/8mA	1VDC	49.92	44.93	39.94	34.94
518-4550	SVDA/6V50	A	24-660	.10-50A	4-32VDC	3.5mA/8mA	1VDC	37.09	33.39	29.67	25.97
518-4575	SVDA/6V75	A	24-660	.10-75A	4-32VDC	3.5mA/8mA	1VDC	52.84	47.56	42.27	36.99

SVDD Series, DC-DC Solid State Relay

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (DC Volts)	Output Current (Amps)	Control Voltage (VDC)	Control Current (mA) (min/max)	Turn On-Off Time (μsec.)	Price Each			
								1	10	25	50
DC Control											
518-1312	SVDD/1V12	A	100	12	4-32	6	25	37.30	33.57	29.84	26.11
518-1320	SVDD/1V20	A	100	20	4-32	6	25	43.00	38.70	34.40	30.10
518-1340	SVDD/1V40	A	100	40	4-32	6	25	56.39	50.76	45.11	39.48

SOLID STATE RELAY ACCESSORIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Description	Price Each			
				1	10	25	50
518-1400	COVER-SAFETY-000	A	Safety Cover for SV Series Hockey Puck Relays	3.50	3.33	3.29	2.98

DIN RAIL MOUNT RELAYS, 48-660VAC OUTPUT

- Rugged Snubber Circuit
- Current Limited Inputs
- 4000V Isolation
- Superior Surge Survival™
- DIN Rail or Panel Mount
- Zero Cross Turn On
- Wide Input Ranges
- Rated @ 40°C
- No Need for Burden Resistor on AC Circuits
- Oversized SCR's (1400 Blocking Volts on 600v units)
- Super Efficient, 1.0W dissipated per Amp switches

CE compliant EN60947

RVAA Series, Single Phase AC Control

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release (VAC/IAC)	Price Each			
								1	10	25	50
518-2425	RVAA/6V25	B	24-660	.10-25	100-280VAC	9mA/25mA	20/2mA	52.65	47.39	42.13	36.86
518-2440	RVAA/6V40	C	24-660	.10-40	100-280VAC	9mA/25mA	20/2mA	64.43	57.99	51.95	45.75

RVDA Series, Single Phase DC Control

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release (VDC)	Price Each			
								1	10	25	50
518-2325	RVDA/6V25	B	24-660	.10-25	4-32VDC	3.5mA/8mA	1	48.71	43.85	38.98	34.10
518-2340	RVDA/6V40	C	24-660	.10-40	4-32VDC	3.5mA/8mA	1	60.18	57.18	54.15	51.16

RVMA Series, Single Phase 4-20mA Input, Time Proportioning Output

- All of the RV Series features above
- 4-20mA Process Input; High Speed, Time Proportioning AC Output
- Output Resolution of 1/2 Sinewave (8.3ms at 60 Hz)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Max Voltage Drop at 20mA (VDC)	Price Each			
						1	10	25	50
518-6625	RVMA/6V25	B	24-660	.10-25	6	91.33	82.21	73.07	63.94
518-6640	RVMA/6V40	C	24-660	.10-40	6	101.69	91.53	81.36	71.19

THREE PHASE SOLID STATE RELAYS

- Superior Surge Survival™
- Rugged Snubber Circuit
- Current Limited Inputs
- MOV Option Available
- Din Rail or Panel Mount
- Rated @ 40°C
- No Need for Burden Resistor on AC Circuits
- Oversized SCR's (1400 Blocking Volts on 600v units)
- 4000V Isolation

These units can be wired for 3 phase 2 leg with a rating of 37.5 Amps per leg. 500V units have internal MOV installed

RVA3 Series, Three Phase AC Control

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release	Price Each			
								1	10	25	50
518-3475	RVA3/6V75T/H	D	48-660	.10-30/leg	100-280VAC	10-33	20VAC	132.40	119.16	105.92	92.68
518-2533	RVA3/5V75T/H	D	48-560	.10-30/leg	100-280VAC	10-33	20VAC	155.75	142.25	133.75	119.75

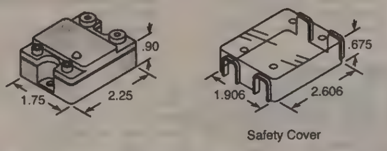
RVD3 Series, Three Phase DC Control

For quantities of 100 and up, call for quote.

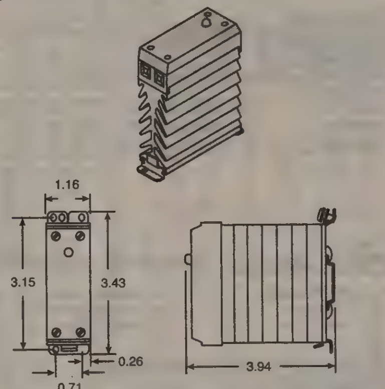
MOUSER STOCK NO.	Cii Part No.	Fig.	Output Voltage (VAC)	Output Current (Amps)	Control Voltage (min/max)	Control Current (mA) (min/max)	Must Release	Price Each			
								1	10	25	50
518-3575	RVD3/6V75T/L	D	48-660	.10-30/leg	4-32VDC	10-18	1VDC	125.92	113.33	100.74	88.14
518-2333	RVD3/5V75T/H	D	48-560	.10-30/leg	4-32VDC	10-18	1VDC	147.00	136.00	123.00	99.75

DIMENSIONS: in.

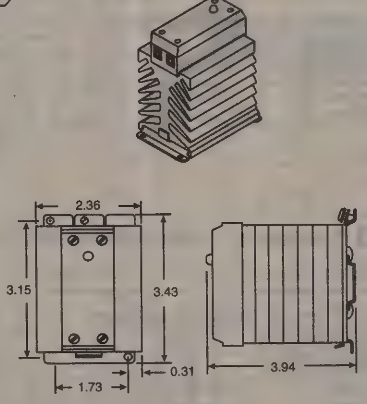
A



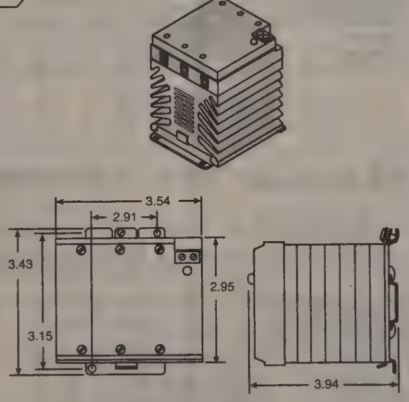
B



C



D



FULLY INTEGRATED "INTELLIGENT" SOLID STATE RELAY

- DIN Rail or Panel Mount
- 4000V Isolation
- Zero Voltage Turn-On
- Direct Copper Bonded SCR's
- LED Indicator (Function & Alarm)
- Auto Shutdown on Over Temperature
- Touch Safe
- Safety Cover Included
- 1200V Peak Blocking V
- Built in, Replaceable Semiconductor Fuse

CE compliant EN60947

RSDA Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Line Voltage Range	Load Current Range	Min. Control Voltage and Current Draw	Price Each			
						1	10	25	50
DC Control									
518-6101	RSDA-660-50-100	A	48-660VAC	.10-50A	4VDC/6mA	108.90	98.01	87.12	76.23
518-6102	RSDA-660-75-100	B	48-660VAC	.10-75A	4VDC/6mA	156.06	140.45	124.85	109.24
518-6103	RSDA-660-100-100	C	48-660VAC	.10-100A	4VDC/6mA	281.52	253.37	225.22	197.06

RSAA Series

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Line Voltage Range	Load Current Range	Min. Control Voltage and Current Draw	Price Each			
						1	10	25	50
AC Control									
518-6104	RSAA-660-50-100	A	48-660VAC	.10-50A	100VAC/5mA	112.20	100.98	89.76	78.54
518-6105	RSAA-660-75-100	B	48-660VAC	.10-75A	100VAC/5mA	159.12	143.21	127.30	111.38
518-6106	RSAA-660-100-100	C	48-660VAC	.10-100A	100VAC/5mA	284.58	256.12	227.66	199.21

MINI RAIL MOUNT INPUT MODULES

- High Density Design
- 0-70°C Operating
- LED Logic Indicator
- Color Coded Cases
- Positive or Negative Logic
- Optically Isolated
- TTL Compatible
- 4000 Volt Isolation
- 100% Tested

CE compliant EN60947

IAC Series, AC Input (Yellow Case)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Output Voltage	Max. Load Current (mA)	Turn On/Off Time Max.	Price Each			
						1	10	25	50
518-3401	I.O.-IAC-R0-280	D	4-28VDC	100	20/20ms	21.98	19.78	17.58	15.39
518-3403	I.O.-IAC+R0-280	D	4-28VDC	100	20/20ms	21.52	19.37	17.22	15.06

IDC Series, DC Input (White Case)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Output Voltage	Max. Load Current (mA)	Turn On/Off Time Max.	Price Each			
						1	10	25	50
518-3406	I.O.-IDC-R0-028	D	4-28VDC	100	30/60μs	27.30	21.84	20.75	19.66
518-3407	I.O.-IDC+R0-028	D	4-28VDC	100	30/60μs	21.52	19.37	17.22	15.06

MINI RAIL MOUNT OUTPUT MODULES

- High Density Design
- Positive or Negative Logic
- Color Coded Cases
- LED Logic Indicator
- 0-70°C Operating
- Optically Isolated

CE compliant EN60947

OAC Series, AC Output (Black Case)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Input Voltage	Logic Input Impedance (Ω)	Field (Output) Voltage	Price Each			
						1	10	25	50
518-3404	I.O.-OAC-R0-280	E	4-28VDC	1500	12-280VAC	24.29	21.87	19.44	17.01
518-3405	I.O.-OAC-RA-280	E	90-280VAC	40,000	12-280VAC	27.72	24.95	22.18	19.40

ODC Series, DC Output (Red Case)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cii Part No.	Fig.	Logic Input Voltage	Logic Input Impedance (Ω)	Field (Output) Voltage	Price Each			
						1	10	25	50
518-3411	I.O.-ODC-R0-060	E	4-28VDC	1500	5-60VDC	23.49	21.15	18.80	16.45
518-3409	I.O.-ODC-RL-060	E	4-28VDC	1500	5-60VDC	25.56	23.00	20.45	17.89

RELAY ACCESSORIES

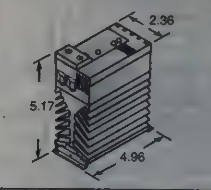
- Ten position jumper strips used to interconnect logic terminals, eliminating the need for small jumper wires. Plated and insulated. Can be cut to length.
- Thermal Transfer Pads are Die-cut to fit the base of our panel mount relays - an excellent replacement for thermal greases.
- DIN Rail mountable Heat Sinks are Drilled & Tapped to Fit Panel Mount Relays.

For quantities of 100 and up, call for quote.

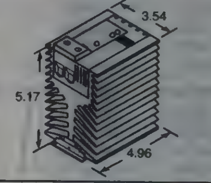
MOUSER STOCK NO.	Cii Part No.	Fig.	Description	Price Each			
				1	10	25	50
518-1401	I.O.-JUMPER-010	F	Ten position mini I/O jumper strip	5.18	4.98	4.67	4.35
518-1402	THERMAL-PAD-005	G	Set of 5 Thermal tranfer pads	6.90	6.05	5.70	5.02
518-1403	THERMAL-PAD-025	G	Set of 25 Thermal tranfer pads	20.00	18.00	16.80	15.90
518-1423	HEATSK-DIN-1.6	H	Heat Sink 1.6°C/W (for most 10-40 Amp applications)	18.30	17.39	16.47	15.56
518-1411	HEATSK-DIN-1.0	I	Heat Sink 1.0°C/W (for most 35-60 Amp applications)	31.50	29.90	27.30	26.02

DIMENSIONS: In.

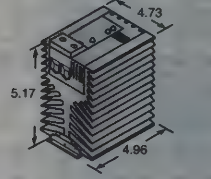
A



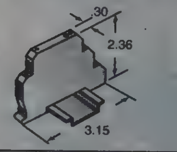
B



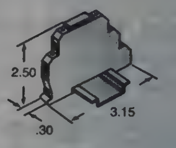
C



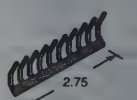
D



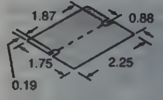
E



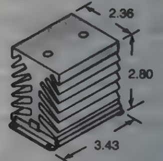
F



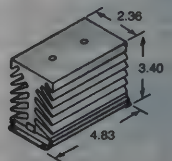
G



H



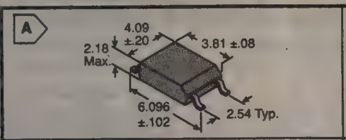
I

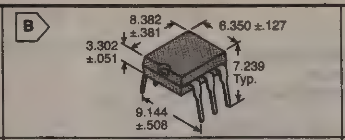


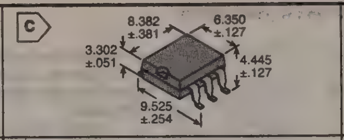
CLARE OptoMOS and Power Solid State Relays

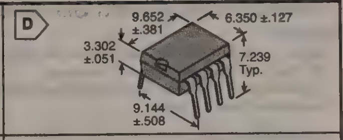
CLARE
An IXYS Company

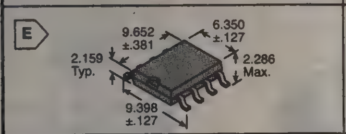
DIMENSIONS: mm

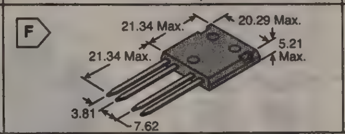
A

4.09
±.20
2.18
Max.
3.81 ±.08
6.096
±.102
2.54 Typ.

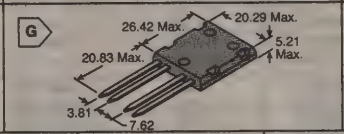
B

8.382
±.381
6.350 ±.127
3.302
±.051
7.239
Typ.
9.144
±.508

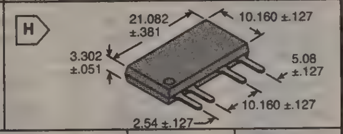
C

8.382
±.381
6.350
±.127
3.302
±.051
4.445
±.127
9.525
±.254

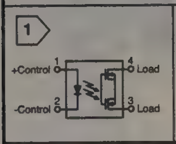
D

9.652
±.381
6.350 ±.127
3.302
±.051
7.239
Typ.
9.144
±.508

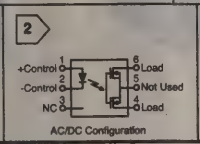
E

9.652
±.381
6.350
±.127
2.159
Typ.
2.286
Max.
9.398
±.127

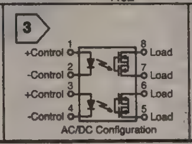
F

21.34 Max.
20.29 Max.
21.34 Max.
5.21
Max.
3.81
7.62

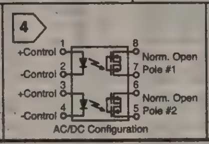
G

26.42 Max.
20.29 Max.
20.83 Max.
5.21
Max.
3.81
7.62

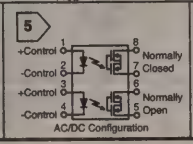
H

21.082
±.381
10.160 ±.127
3.302
±.051
5.08
±.127
10.160 ±.127
2.54 ±.127

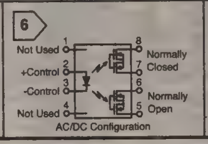
1

+Control
1
4
Load
-Control
2
3
Load

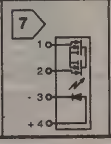
2

+Control
1
6
Load
-Control
2
5
Not Used
NC
3
4
Load
AC/DC Configuration

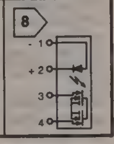
3

+Control
1
8
Load
-Control
2
7
Load
+Control
3
6
Load
-Control
4
5
Load
AC/DC Configuration

4

+Control
1
8
Norm. Open
Pole #1
-Control
2
7
+Control
3
6
Norm. Open
Pole #2
-Control
4
5
AC/DC Configuration

5

+Control
1
8
Normally
Closed
-Control
2
7
+Control
3
6
Normally
Open
-Control
4
5
AC/DC Configuration

6

Not Used
1
8
Normally
Closed
+Control
2
7
-Control
3
6
Normally
Open
Not Used
4
5
AC/DC Configuration

7


8


CLARE OPTICALLY ISOLATED SOLID STATE RELAYS

The OptoMOS® line of solid state relays uses discrete semiconductor components and the patented OptoMOS architecture to deliver fast, reliable, bounce-free switching in a compact design. The small 4-pin SOP relays combine state-of-the-art, double-molded, vertical-construction packaging with high performance to give you a reliable product. The dual pole OptoMOS relays combine two independent relays into a single component. And, the common input OptoMOS relays provide a design alternative where two independent outputs are driven by the same input signal.

Features:
- Low drive current
- High reliability
- Optically isolated I/O
- Operating Temp: -40°C to 85°C
- Machine washable, wave solderable
- AC/DC switching

Applications:
- Telecommunications
- Instrumentation
- Datacommunications
- Electronic switching
- Industrial controls
- Medical equipment
- Security

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Load Voltage	Current Handling	On Resistance	Isolation Voltage	Input Control Current	Turn On/ Turn Off	Standard Package	Price Each		
											1	25	50
Single Pole Normally-Open: 1-Form-A													
849-CPC1008N	CPC1008N	A	1	100	150 mA	8Ω	1500 Vrms	2 mA	2/0.5 ms	4 Pin SOP	1.39	1.23	1.12
849-CPC1030N	CPC1030N	A	1	350	120 mA	30Ω	1500 Vrms	2 mA	2/1 ms	4 Pin SOP	1.85	1.63	1.48
849-CPC1035N	CPC1035N	A	1	350	100 mA	35Ω	1500 Vrms	2 mA	2/1 ms	4 Pin SOP	1.61	1.42	1.29
849-CPC1230N	CPC1230N	A	1	350	120 mA	30Ω	1500 Vrms	2 mA	2/1 ms	4 Pin SOP	2.14	1.89	1.72
849-LCA110	LCA110	B	2	350	120 mA	35Ω	3750 Vrms	2 mA	3/3 ms	6 Pin DIP	1.90	1.68	1.53
849-LCA110S	LCA110S	C	2	350	120 mA	35Ω	3750 Vrms	2 mA	3/3 ms	6 Pin SMD	1.93	1.70	1.55
849-XCA170	XCA170	B	2	350	100 mA	50Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	2.01	1.77	1.61
849-XCA170S	XCA170S	C	2	350	100 mA	50Ω	3750 Vrms	5 mA	5/5 ms	6 Pin SMD	2.04	1.79	1.63
849-LCA120	LCA120	B	2	250	170 mA	20Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	2.84	2.50	2.28
849-LCA120S	LCA120S	C	2	250	170 mA	20Ω	3750 Vrms	5 mA	5/5 ms	6 Pin SMD	2.87	2.53	2.30
849-LCA710	LCA710	B	2	60	1000 mA	0.5Ω	3750 Vrms	10 mA	2.5/0.25 ms	6 Pin DIP	5.28	4.65	4.24
849-LCA710S	LCA710S	C	2	60	1000 mA	0.5Ω	3750 Vrms	10 mA	2.5/0.25 ms	6 Pin SMD	5.28	4.65	4.24
849-PLA110	PLA110	B	2	400	150 mA	22Ω	3750 Vrms	5 mA	1/0.25 ms	6 Pin DIP	3.46	3.04	2.77
849-PLA110S	PLA110S	C	2	400	150 mA	22Ω	3750 Vrms	5 mA	1/0.25 ms	6 Pin SMD	3.48	3.07	2.80
849-PLA140	PLA140	B	2	400	250 mA	8Ω	3750 Vrms	5 mA	3/1 ms	6 Pin DIP	4.34	3.82	3.48
849-PLA140S	PLA140S	C	2	400	250 mA	8Ω	3750 Vrms	5 mA	3/1 ms	6 Pin SMD	4.37	3.85	3.50
849-PLA160	PLA160	B	2	300	50 mA	100Ω	3750 Vrms	10 mA	0.05/0.05 ms	6 Pin DIP	3.51	3.09	2.82
849-PLA192	PLA192	B	2	600	150 mA	22Ω	5000 Vrms	5 mA	5/5 ms	6 Pin DIP	3.97	3.49	3.18
849-PLA193	PLA193	B	2	600	100 mA	50Ω	5000 Vrms	5 mA	5/5 ms	6 Pin DIP	3.38	2.97	2.71
849-LCA182	LCA182	B	2	350	120 mA	35Ω	3750 Vrms	0.25 mA	3/3 ms	6 Pin DIP	2.30	2.03	1.85
Single Pole Normally Closed: 1-Form-B													
849-CPC1135N	CPC1135N	A	1	350	120 mA	35Ω	1500 Vrms	1 mA	2/2 ms	4 Pin SOP	2.14	1.89	1.72
849-LCB110	LCB110	B	2	350	120 mA	35Ω	3750 Vrms	5 mA	3/3 ms	6 Pin DIP	2.68	2.36	2.15
849-LCB110S	LCB110S	C	2	350	120 mA	35Ω	3750 Vrms	5 mA	3/3 ms	6 Pin SMD	2.71	2.38	2.17
849-LCB120	LCB120	B	2	250	170 mA	20Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	3.35	2.95	2.69
849-LCB127	LCB127	B	2	250	200 mA	10Ω	3750 Vrms	5 mA	5/5 ms	6 Pin DIP	3.89	3.42	3.12
Dual Pole Normally-Open: 2-Form-A													
849-PAA110	PAA110	D	3	400	150 mA	22Ω	3750 Vrms	5 mA	1/0.25 ms	8 Pin DIP	6.59	5.81	5.29
849-PAA140	PAA140	D	3	400	250 mA	8Ω	3750 Vrms	5 mA	1.5/0.25 ms	8 Pin DIP	7.24	6.37	5.81
849-LAA110P	LAA110P	E	3	350	120 mA	25Ω	3750 Vrms	5 mA	5/5 ms	8 Pin SMD	4.37	3.85	3.50
849-LAA127P	LAA127P	E	3	250	200 mA	10Ω	3750 Vrms	5 mA	5/5 ms	8 Pin SMD	6.30	5.55	5.05
849-OAA160	OAA160	D	4	25	50 mA	100Ω	3750 Vrms	3 mA	0.125/0.125 ms	8 Pin DIP	5.82	5.12	4.67
849-PAA132	PAA132	D	3	50	600 mA	1Ω	3750 Vrms	5 mA	5/2 ms	8 Pin DIP	7.77	6.84	6.24
849-PAA190	PAA190	D	3	400	150 mA	22Ω	5000 Vrms	5 mA	1/0.5 ms	8 Pin DIP	7.37	6.49	5.91
849-PAA191	PAA191	D	3	400	250 mA	8Ω	5000 Vrms	5 mA	3/1 ms	8 Pin DIP	8.44	7.43	6.77
849-PAA193	PAA193	D	3	600	100 mA	50Ω	5000 Vrms	5 mA	5/5 ms	6 Pin DIP	6.00	5.29	4.82
849-LAA710	LAA710	D	3	60	1000 mA	0.5Ω	3750 Vrms	10 mA	2.5/0.25 ms	8 Pin DIP	11.10	9.77	8.90
Dual Combination: Form-A & B													
849-LBA110	LBA110	D	5	350	120 mA	35Ω	3750 Vrms	5 mA	3/3 ms	8 Pin DIP	4.72	4.15	3.78
849-LBA120	LBA120	D	5	250	170 mA	20Ω	3750 Vrms	5 mA	5/5 ms	8 Pin DIP	5.87	5.17	4.71
Dual Pole Normally Closed: 2-Form-B													
849-LBB110	LBB110	D	3	350	120 mA	35Ω	3750 Vrms	5 mA	3/3 ms	8 Pin DIP	5.09	4.48	4.09
849-XBB170	XBB170	D	3	350	100 mA	50Ω	3750 Vrms	5 mA	5/5 ms	8 Pin DIP	4.77	4.20	3.83
Common Input: 1-Form-C													
849-LCC110	LCC110	D	6	350	120 mA	35Ω	3750 Vrms	8 mA	4/4 ms	8 Pin DIP	4.23	3.73	3.40
849-LCC110P	LCC110P	E	6	350	120 mA	35Ω	3750 Vrms	8 mA	4/4 ms	8 Pin SMD	4.26	3.75	3.42
849-LCC120	LCC120	D	6	250	170 mA	20Ω	3750 Vrms	10 mA	5/5 ms	8 Pin DIP	5.41	4.77	4.34

CLARE POWER SOLID STATE RELAYS

This new family of of normally open 1-Form-A solid state relays combines the best of both Clare and IXYS technology. The i4-PAC™ is a part of the IXYS family of iso PLUS packages and features a unique process where silicon is soft soldered onto the Direct Copper Bond (DCB) substrate instead of the usual copper frame. The DCB ceramic not only provides 2500V isolation capability from the leads to the backside of the package but also enables a very low thermal resistance (0.45 K/W from junction to heatsink) compared to conventional external mounted isolation material.

Features:
- Handles loads up to 10A (rms)
- Voltage Ratings up to 1000V
- Switching speed (on/off): 20/5(ms)
- Isolation Voltage - 2500Vrms
- Input Control Current - 10mA

Applications:
- Consumer Appliances
- Test and Measurement equipment
- Industrial controls
- Medical Equipment
- Transportation equipment
- Robotics/Motor controls

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Clare Part No.	Fig.	Pin Conf	Function	Breakdown Voltage (V)	Current Handling	On Resistance	Standard Package	Price Each		
									1	25	50
849-CPC1908J	CPC1908J	F	7	1 Form A	60	8 A(rms)	0.3Ω	i4-PAC	14.95	13.17	12.00
849-CPC1977J	CPC1977J	F	7	1 Form A	600	4 A(rms)	1Ω	i4-PAC	17.13	15.08	13.74
849-CPC1979J	CPC1979J	G	7	1 Form A	600	5 A(rms)	0.75Ω	iso PLUS-264	15.72	13.84	12.61
849-CPC1978J	CPC1978J	F	7	1 Form A	800	2.5 A(rms)	2.3Ω	i4-PAC	11.63	10.24	9.33
849-CPC1906Y	CPC1906Y	H	8	1 Form A	60	10.0 A(rms)	.01Ω	Power SIP	6.38	5.62	5.12

CROUZET Solid State Relays

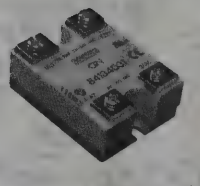
CROUZET GN SERIES SOLID STATE RELAYS

Features:

- Epoxy-Free Design Eliminates Internal Component Stress
- DBC Substrate for Superior Thermal Performance
- 100k-cycle UL508 Endurance Rating for Enhanced reliability
- Back-to-Back Dual SCR Output
- No External Transient Protection Required (Internal TVS)
- UL / CSA / TUV Approved, CE Compliant
- EMC Compliant for Reliable Operation in harsh environments
- Zero-Crossing Output

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Crouzet Part No.	Control Voltage	Output Current	Max. Output	Price Each	
					1	5
IP00						
874-84134010	84134010	4-32VDC	25A	24-280VAC	27.41	26.64
874-84134020	84134020	4-32VDC	50A	24-280VAC	31.82	30.92
874-84134011	84134011	90-280VAC	25A	24-280VAC	30.24	29.39
874-84134021	84134021	90-280VAC	50A	24-280VAC	35.39	34.39
874-84134110	84134110	4-32VDC	25A	48-660VAC	33.18	32.25
874-84134120	84134120	4-32VDC	50A	48-660VAC	39.59	38.48
874-84134111	84134111	90-280VAC	25A	48-660VAC	35.70	34.70
874-84134121	84134121	90-280VAC	50A	48-660VAC	43.47	42.25
IP20						
874-84137010	84137010	4-32VDC	25A	24-280VAC	29.93	29.09
874-84137020	84137020	4-32VDC	50A	24-280VAC	34.34	33.37
874-84137011	84137011	90-280VAC	25A	24-280VAC	32.76	31.84
874-84137021	84137021	90-280VAC	50A	24-280VAC	38.01	36.95
874-84137110	84137110	4-32VDC	25A	48-660VAC	35.70	34.70
874-84137120	84137120	4-32VDC	50A	48-660VAC	42.11	40.93
874-84137111	84137111	90-280VAC	25A	48-660VAC	38.22	37.15
874-84137121	84137121	90-280VAC	50A	48-660VAC	45.89	44.60


IP00

IP20

RoHS Compliant

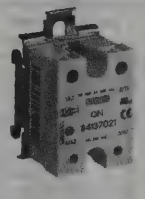
CROUZET DR SERIES SOLID STATE RELAY ASSEMBLIES

Features:

- DIN Rail Mount SSR/ Heat Sink Assemblies
- No Heat Sink Calculations Required
- Standard Ratings up to 45A @ 660Vac
- No External Transient Protection Required (Internal TVS)
- LED Input Status Indicator
- With or Without IP20 Touch-Safe Housing
- AC or DC Inputs
- SSR's are UL / CSA / TuV Approved
- CE Certified & EMC Compliant

For quantities of 10 and up, call for quote.

IP00						
874-DR4110	DR4110	4-32VDC	14A	48-660VAC	42.48	40.36
874-DR4111	DR4111	90-250VAC	14A	48-660VAC	47.28	44.92
874-DR454120.3	DR454120.3	4-32VDC	22A	48-660VAC	79.20	75.24
874-DR454121.3	DR454121.3	90-250VAC	22A	48-660VAC	84.00	79.80
IP20						
874-DR7110	DR7110	4-32VDC	14A	48-660VAC	43.03	40.88
874-DR7111	DR7111	90-250VAC	14A	48-660VAC	48.24	45.83
874-DR457121.3	DR457121.3	90-250VAC	22A	48-660VAC	86.40	82.08


DR7

DR45

RoHS Compliant

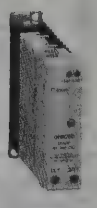
CROUZET GNR SERIES DIN-RAIL MOUNT SOLID STATE RELAYS

Features:

- Epoxy-Free Design Minimizes Internal Component Stress
- DBC Substrate for Superior Thermal Performance
- 100k-cycle UL508 Endurance Rating for Enhanced reliability
- Back-to-Back Dual SCR Output
- No External Transient Protection Required (Internal TVS)
- UL / CSA / TUV Approved, CE Compliant
- EMC Compliant for Reliable Operation in harsh environments
- Zero-Crossing Output

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Crouzet Part No.	Control Voltage	Output Current	Max. Output	Price Each	
					1	5
22.5mm						
874-GNR10DHZ	GNR10DHZ	4-32VDC	10	280VAC	41.60	40.44
874-GNR10BHZ	GNR10BHZ	90-140VAC	10	280VAC	42.20	41.02
874-GNR20DHZ	GNR20DHZ	4-32VDC	10	660VAC	45.20	43.93
874-GNR20BHZ	GNR20BHZ	90-140VAC	10	660VAC	51.00	49.57
874-GNR30DHZ	GNR30DHZ	4-32VDC	30	660VAC	49.72	48.33
874-GNR30BHZ	GNR30BHZ	90-140VAC	30	660VAC	56.10	54.53
45mm						
874-GNR35DHZ	GNR35DHZ	4-32VDC	35	660VAC	57.00	55.40
874-GNR35BHZ	GNR35BHZ	90-140VAC	35	660VAC	59.00	57.35
874-GNR45DHZ	GNR45DHZ	4-32VDC	45	660VAC	62.70	60.94
874-GNR45BHZ	GNR45BHZ	90-140VAC	45	660VAC	64.90	63.08
90mm						
874-GNR25DCZ	GNR25DCZ	4-32VDC	25	660VAC	152.00	147.74
874-GNR25BCZ	GNR25BCZ	90-140VAC	25	660VAC	155.00	150.66


22.5mm

45mm

90mm

RoHS Compliant

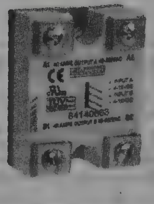
CROUZET DUAL SOLID STATE RELAYS

Features:

- True 40 amp per Channel Rating @ 240 and 480Vac
- Dual Input Channels for Independent Output Operation
- No External Transient Protection Required (Internal TVS)
- Zero-crossing (resistive loads) or random-fire (inductive loads) outputs
- UL / CSA / TuV Approved
- CE Certified & EMC Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Crouzet Part No.	Control Voltage	Output Current	Max. Output	Price Each	
					1	5
QC, Mated/Locking Input						
874-84140800	84140800	4-15VDC	25A	24-280VAC	42.11	40.93
874-84140810	84140810	17-32VDC	25A	24-280VAC	42.11	40.93
874-84140900	84140900	4-15VDC	40A	24-280VAC	45.78	44.50
874-84140910	84140910	17-32VDC	40A	24-280VAC	45.78	44.50
Screw Terminals						
874-84140003	84140003	4-15VDC	25A	24-280VAC	44.94	43.68
874-84140013	84140013	17-32VDC	25A	24-280VAC	44.94	43.68
874-84140203	84140203	4-15VDC	40A	24-280VAC	48.62	47.25
874-84140213	84140213	17-32VDC	40A	24-280VAC	48.62	47.25
874-84140503	84140503	4-15VDC	25A	48-660VAC	50.09	48.68
874-84140513	84140513	17-32VDC	25A	48-660VAC	50.09	48.68
874-84140603	84140603	4-15VDC	40A	48-660VAC	54.60	53.07
874-84140613	84140613	17-32VDC	40A	48-660VAC	54.60	53.07


Screw Terminals

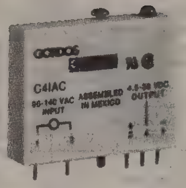
Locking Input

RoHS Compliant

CROUZET Input/Output Modules

CROUZET C4 SERIES I/O MODULES

- New Industry Standard Package
- Replaceable Fuse in Output Modules
- Color Coded Housing for AC or DC Input



RoHS Compliant

Input Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Input Voltage	Maximum Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	C4IAC	90-140 VAC	14 mA	4.5-30 VDC	50 mA	9.66	9.39
874	C4IACA	140-280 VAC	50mA	4.5-30 VDC	50 mA	10.19	9.90
874	C4IDC	10-32 VDC	20 mA	4.5-30 VDC	50 mA	9.66	9.39

Output Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Maximum Output Current	Nominal Input Voltage	Maximum Input Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	C4OAC	12-140 VAC	3.0 Amps	4-32 VDC	22 mA	11.13	10.82
874	C4OACA	12-280 VAC	3.0 Amps	4-32 VDC	22 mA	11.45	11.12
874	C4ODC	5-60 VDC	3.0 Amps	4-32 VDC	16 mA	11.13	10.82
874	C4ODCA	1-250 VDC	1.0 Amps	4-32 VDC	16 mA	13.34	12.96

Mounting Boards for C4 Series I/O Modules

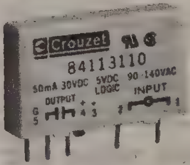
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Max. No. of I/O	Dimensions (LxWxH) *	Logic Connection	Load Connection	Price Each	
Mfr.	Mfr. Part No.					1	5
874	PB4C4	4	6.4 X 3.5 X 2.57	Screw Term.	Screw Term.	34.99	34.01
874	PB16C4	16	10 x 3.25 x 2.57	50-Pin Header	Screw Term.	87.00	84.56
874	PB16C4T	16	9.5 x 3.25 x 2.57	Screw Term.	Screw Term.	99.91	97.11

* Including I/O modules and standoffs

CROUZET SM SERIES 0.6" I/O MODULES

- New Industry Standard Package
- Output Ratings up to 5 Amps
- Color Coded Housing for AC or DC Input



RoHS Compliant

Input Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Input Voltage	Maximum Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	SMIAC5	90-140 VAC/DC	5 mA rms	5 VDC	50 mA	8.93	8.68
874	SMIAC5A	180-280 VAC	5 mA rms	5 VDC	50 mA	9.14	8.88
874	SMIDC5	3.3-32 VDC	35 mA	5 VDC	50 mA	8.93	8.68

Output Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Maximum Output Current	Nominal Input Voltage	Maximum Input Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	SMOAC5	12-140 VAC	3.5 Arms	5 VDC	20 mA	8.93	8.68
874	SMOAC5A	24-280 VAC	3.5 Arms	5 VDC	20 mA	9.24	8.98
874	SMOAC5AH	24-280 VAC	5 Arms	5 VDC	20 mA	10.50	10.21
874	SMODC5	3-60 VDC	3.0 A	5 VDC	18 mA	8.93	8.68

Mounting Boards for SM Series I/O Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Max. No. of I/O	Dimensions (LxWxH) *	Logic Connection	Load Connection	Price Each	
Mfr.	Mfr. Part No.					1	5
874	PB8SM	8	6.4 x 3.5 x 1.9	Card-Edge	Screw Term.	48.93	47.56
874	PB16SM	16	10.4 x 3.5 x 1.9	Card-Edge	Screw Term.	87.00	84.56
874	PB24SM	24	13 x 3.75 x 1.9	Card-Edge	Screw Term.	128.00	124.42

* Including I/O modules and standoffs

CROUZET QUAD SERIES I/O MODULES

- Industry Standard Package
- Color Coded Housing for AC or DC Input
- Built in LED Status Indicator
- 4 Modules in one package

RoHS Compliant

Input Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Input Voltage	Max. Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	IAC5Q	90-140 VAC	6 mA	5 VDC	50 mA	44.31	43.07
874	IAC5AQ	140-280 VAC	5 mA	5 VDC	50 mA	46.73	45.42
874	IDC5Q	10-60 VDC	34 mA	5 VDC	50 mA	44.31	43.07
874	IDC5BQ	4-32 VDC	68 mA	5 VDC	50 mA	48.09	46.74

Output Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Maximum Output Current	Nominal Input Voltage	Maximum Input Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	OAC5Q	12-140 VAC	3.5 Amps	5 VDC	20 mA	43.37	42.15
874	OAC5AQ	24-280 VAC	3.5 Amps	5 VDC	20 mA	45.68	44.40
874	ODC5Q	3-60 VDC	3.0 Amps	5 VDC	18 mA	45.68	44.40
874	ODC5Q.11	3-60 VDC	3.0 Amps	5 VDC	18 mA	49.35	47.97

Mounting Boards for Quad Series I/O Modules

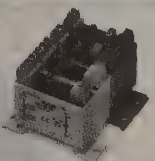
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Max. No of I/O	Dimensions (LxWxH)*	Logic Connection	Load Connection	Price Each	
Mfr.	Mfr. Part No.					1	5
874	PB16Q	4	5.8 X 6.0 X 3.9	Edge Card	Screw Term.	97.00	94.28
874	PB24Q	6	8 x 6 x 3.9	Edge Card	Screw Term.	131.23	127.56
874	PB32Q	8	10.2 x 6.2 x 3.9	Edge Card	Screw Term.	165.47	160.84

* Including I/O modules and standoffs

CROUZET EPOXY ENCAPSULATED DIN RAIL INPUT MODULES

- DIN Rail Mountable I/O Modules
- Color Coded Housing for AC or DC Input
- Built in LED Status Indicator



RoHS Compliant

Input Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Input Voltage	Maximum Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	DRIAC5	90-140 VAC/DC	5 mA rms	5 VDC	50 mA	21.60	20.52
874	DRIDC5	4-32 VDC	34 mA	5 VDC	50 mA	18.90	18.37

Output Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Maximum Output Current	Nominal Input Voltage	Maximum Input Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	DROAC5	12-280 VAC	5 A rms	4-32 VDC	18 mA	20.69	20.11
874	DRODC5	3-60 VDC	3A	5 VDC	18 mA	20.69	20.11

CROUZET 17.5 MM DIN RAIL INPUT MODULES

- DIN Rail Mountable I/O Modules
- Color Coded Housing for AC or DC Input
- Built in LED Status Indicator

RoHS Compliant

Input Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Input Voltage	Maximum Input Current	Logic Supply Voltage	Max. Logic Supply Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	84115501	90-140 VAC/DC	14 mA	4.5-30 VDC	50 mA	21.95	21.33
874	84115503	4-32 VDC	35 mA	4.5-30 VDC	50 mA	24.36	23.68

Output Modules

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Maximum Output Current	Nominal Input Voltage	Maximum Input Current	Price Each	
Mfr.	Mfr. Part No.					1	5
874	84130104	12-280 VAC	5 Arms	4-32 VDC	22 mA	19.64	19.09
874	84130105	3-60 VDC	3A	4-32 VDC	22 mA	23.94	23.27

CRYDOM PC Mount Solid State Relays

CRYDOM SERIES DPA, SDV (1-1.5A, 240V SCR OUTPUT)

Features/Specifications:
- 16 Pin DIP package
- Voltage or current operated versions
- High packaging density
- Operating temperature: -30°C to 80°C
- Isolation voltage: 3750Vrms
- Load current: 0.01 - 1.0 Arms
- Control current: 15mA @ 5 VDC

* Control Current Range

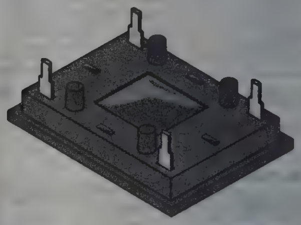
LR81689 E116950 RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage (VAC)	Control Voltage (VDC)	Price Each			
				1	10	25	50
558-DPA4111	DPA4111	20-140	* 10-50mA	8.17	7.78	7.55	7.42
558-DPA4119	DPA4119	20-140	3.5-10	8.17	7.78	7.55	7.42
558-DPA6111	DPA6111	20-280	* 10-50mA	8.42	8.02	7.78	7.66
558-DPA6119	DPA6119	20-280	3.5-10	8.42	8.02	7.78	7.66
558-SDV2415	SDV2415	12-280	3.5-10	8.70	8.28	8.03	7.90

CRYDOM SERIES LR (25-40 AMP, 120/240/480 VAC, AC OUTPUT)

Features/Specifications:
- DC Control, AC Output
- Zero cross switching
- Up to 1200V transient capability
- SCR Output
- Switching voltage mode: AC
- Min. load current: 15mA
- Min. turn off voltage: 1 VDC
- Control voltage: 4-32 VDC



For quantities of 100 and up, call for quote.

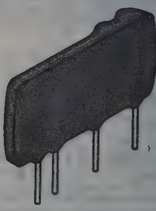
MOUSER STOCK NO.	Crydom Part No.	Load Current Max.	Load Voltage Range	Price Each			
				1	10	25	50
558-LR600240D25	LR600240D25	25 Arms	24-280 Vrms	24.38	23.22	22.53	22.16
558-LR600240D40	LR600240D40	40 Arms	24-280 Vrms	26.68	25.41	24.66	24.26
558-LR1200480D40	LR1200480D40	40 Arms	48-530 Vrms	31.96	30.44	29.53	29.06

CRYDOM SERIES D2W (2-3.5 AMPS, 120/240 VAC, AC OUTPUT SIP)

Features/Specifications:
- Triac output
- Zero voltage switching
- Internal snubber
- Operating temperature: -30°C to 80°C
- Isolation voltage: 2500Vrms
- Line voltage: 24-280 VDC
- Control voltage: 3-32 VDC
- Control current: 3mA @ 5VDC
- Must release voltage: 1 VDC

RoHS Compliant

LR81689 E116950



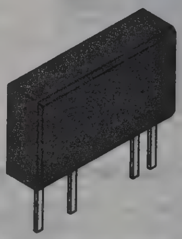
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current Range	Price Each			
			1	10	25	50
558-D2W202F	D2W202F	.06-2.0 ADC	8.30	7.91	7.67	7.55
558-D2W203F	D2W203F	.06-3.0 ADC	8.80	8.38	8.13	8.00
558-D2W203F-11	D2W203F-11	.06-3.5 ADC	9.31	8.87	8.60	8.46

CRYDOM SERIES LC: (1.5 AMP, 120/240 VAC - AC OUTPUT MINI-SIP)

The LC241 series is rated up to 1.5A (SPST-NO) and is designed for general purpose AC loads. In most applications a snubber is not required.

Features/Specifications:
- Compact for high density PCB mount
- Cost effective solution
- DC Control, AC Output
- Control voltage: 4-10 VDC
- Control current: 15mA @ 5 VDC
- Line voltage: 12-280 VAC
- Load current: 0.025 - 1.5 Arms



RoHS Compliant

E116950 E116950

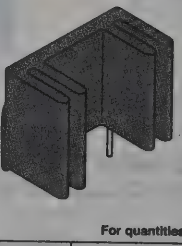
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Price Each			
		1	10	25	50
558-LC241	LC241	7.21	6.87	6.66	6.55
558-LC241R	LC241R	7.21	6.87	6.66	6.55

CRYDOM SERIES PF (25A, 280VAC OUTPUT, MINI-SIP)

Crydom's PowerFin™ series delivers the highest ratings of any single in-line package (SIP). The integral heat sink design can operate at 25 amps RMS in forced air at 85° C case temp. With natural convection in free air, it rates 10 amps RMS at 25° C ambient. Built-in advantages include Surface Mount Technology and SCR output.

Features/Specifications:
- SCR Output
- DC Control
- Operating temperature: -30°C to 80°C
- Isolation voltage: 4000Vrms
- Line voltage: 12-280 VAC
- Load current: 0.06-25 Arms
- Control current: 15mA @ 5 VDC
- Must release voltage: 1 VDC



RoHS Compliant

70938 E116950

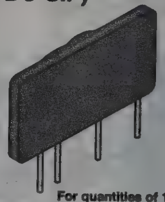
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Price Each			
		1	10	25	50
558-PF240D25	PF240D25	18.84	17.95	17.41	17.13
558-PF240D25R	PF240D25R	18.84	17.95	17.41	17.13

CRYDOM SERIES CMX (5-10A, DC SIP)

Features/Specifications:
- MOSFET Output
- Extra low on-state resistance
- Operating temperature: -30°C to 80°C
- Isolation voltage: 2500Vrms
- Line voltage: 0-60 VDC
- Control voltage: 13-9 VDC
- Control current: 15mA @ 5 VDC
- Must release voltage: 1 VDC

† Load current 0-10 ADC



RoHS Compliant

E116950

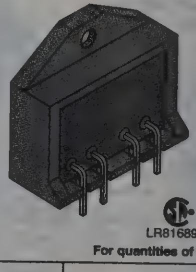
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Price Each			
		1	10	25	50
558-CMX60D5	CMX60D5	22.98	21.88	21.23	20.89
†558-CMX60D10	CMX60D10	28.32	26.98	26.17	25.75

CRYDOM SERIES LS (8-12 AMP, 120/240 VAC, AC OUTPUT SIP)

Crydom's LS family of SPST-NO relays achieves the highest power switching capability in a PC-mounted air-cooled package. Output consists of an SCR AC switch and is available in zero-cross and random turn-on (Suffix R). Advanced features include exceptional steady state current, plus high surge ratings. Metal baseplate design for direct attachment of external heatsink to achieve higher current rating.

Features/Specifications:
- High surge rated SCR output
- No moving parts
- Load voltage: 24-280 Vrms
- Zero cross turn on
- Control voltage: LS4-10 VDC; LSE 20-28 VDC
- Min. load current: 15mA
- Min. turn off voltage: 1 VDC



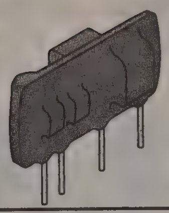
LR81689 E116950 TÜV E2072777

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Load Current	Price Each			
			1	10	25	50
558-LS240D8	LS240D8	8	13.92	13.26	12.86	12.66
558-LS240D12	LS240D12	12	15.48	14.74	14.30	14.07
558-LSE240D8	LSE240D8	8	13.92	13.26	12.86	12.66
558-LSE240D12	LSE240D12	12	15.48	14.74	14.30	14.07

CRYDOM PC Mount Solid State Relays

CRYDOM SERIES DO PC MOUNT RELAYS



Features/Specifications:

- Load current range: 0.02-1.0A
- Operating voltage range: 3-60 VDC
- DC Switching- SPST-NC
- Mini-SIP mounting
- DC control
- Low profile package.

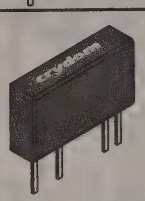
NEW FROM SUPPLIER

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Input Voltage	Output Voltage	Price Each			
				1	10	25	50
558-DO061A-B	DO061A-B	3-9 VDC	3-60 VDC	7.69	7.32	7.10	6.99
558-DO061B-B	DO061B-B	1.7-9 VDC	3-60 VDC	7.69	7.32	7.10	6.99

CRYDOM SERIES MPDC PC MOUNT RELAYS



Features/Specifications:

- Bipolar transistor output
- Load current range: 0.02-3.0A Vrms
- Operating voltage range: 0-60 VDC
- DC Switching- SPST-NC
- SIP mount

NEW FROM SUPPLIER

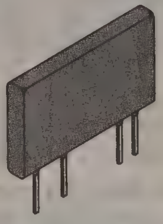
RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Input Voltage	Output Voltage	Price Each			
				1	10	25	50
558-MPDCD3-B	MPDCD3-B	3-32 VDC	3-60 VDC	17.08	16.27	15.79	15.53

CRYDOM SERIES AO/ASO (1-2A, AC MINI-SIP)

AO models offer Triac output, ASO models are SCR output. The AO241 (R) are rated up to 1.0A, the ASO241(R) up to 1.5A SPST-NO, and the ASO242(R) up to 2.0A. ASO models are designed for switching highly inductive, low current loads such as solenoids. Available in either zero voltage or random switching (R) versions.



Features/Specifications:

- Triac (AO) or SCR (ASO) output
- DC Control, AC Output
- Operating temperature: -30°C to 80°C
- Control voltage: 4-10 VDC
- Control current: 15mA @ 5VDC
- Must release voltage: 1 VDC
- Isolation voltage: 2500Vrms

RoHS Compliant LR81689 E116950

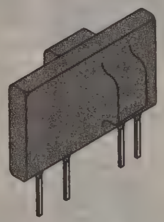
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range	Price Each			
				1	10	25	50
558-AO241	AO241	24-280 VAC	.025-1.0 Arms	8.49	8.09	7.85	7.72
*558-AO241R	AO241R	24-280 VAC	.025-1.0 Arms	8.49	8.09	7.85	7.72
558-ASO241	ASO241	12-280 VAC	.025-1.5 Arms	8.49	8.09	7.85	7.72
558-ASO242	ASO242	12-280 VAC	0.6-2.0 Arms	10.23	9.75	9.46	9.30
*558-ASO242R	ASO242R	12-280 VAC	0.6-2.0 Arms	10.23	9.75	9.46	9.30

*R suffix indicates random turn-on

CRYDOM SERIES DO/DMO (1-3A, DC MINI-SIP)

SPST-NO DC output relays in epoxy coated packages utilize the popular .10" grid lead spacing. They are available with either bipolar transistor output (DO), or the DMO063 with MOSFET output rated at 3A/60 VDC.



Features/Specifications:

- Bipolar (DO) or MOSFET (DMO) Output
- DC Control, DC Output
- Operating temperature: -30°C to 80°C
- Isolation voltage: 2500Vrms, 4000Vrms (DO)

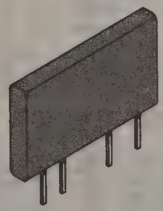
RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range (ADC)	Control Voltage	Control Current @ 5VDC (mA)	Must Release Voltage (VDC)	Price Each			
							1	10	25	50
558-DO061A	DO061A	3-60 VDC	.02-1.0 ADC	3-9 VDC	15	1.0	7.69	7.32	7.10	6.99
558-DO061B	DO061B	3-60 VDC	.02-1.0 ADC	1.7-9 VDC	15	0.8	7.69	7.32	7.10	6.99
558-DMO063	DMO063	0-60 VDC	0-3.0 ADC	3-10 VDC	20	1.0	14.61	13.91	13.50	13.28

CRYDOM SERIES CX (5A, AC SIP)

Crydom's family of SPST-NO relays achieves the highest power switching capability in a PC-mounted air-cooled package. Advanced features include exceptional steady state current, plus ultra-high surge ratings. Models are available to switch up to 669 Vrms with AC or DC control, and either zero-cross or random turn-on (R) switching versions. Pinout is compatible with OAC type I/O modules.



Features/Specifications:

- SCR Output
- Ultra high surge rating
- Operating temperature: -30°C to 80°C
- Isolation voltage: 4000Vrms

70938 LR81689 E116949

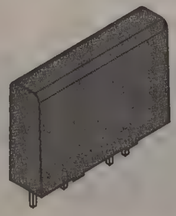
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range	Control Voltage	Control Current	Price Each			
						1	10	25	50
DC Input									
558-CX240D5	CX240D5	12-280 VAC	.06-5.0 ADC	3-15 VDC	15mA @ 5 VDC	10.32	9.83	9.53	9.38
*558-CX240D5R	CX240D5R	12-280 VAC	.06-5.0 ADC	3-15 VDC	15mA @ 5 VDC	10.32	9.83	9.53	9.38
558-CXE240D5	CXE240D5	12-280 VAC	.06-5.0 ADC	15-32 VDC	15mA @ 24VDC	10.32	9.83	9.53	9.38
558-CX380D5	CX380D5	48-530 VAC	.06-5.0 ADC	4-15 VDC	15mA @ 5 VDC	13.15	12.53	12.15	11.96
558-CXE380D5	CXE380D5	48-530 VAC	.06-5.0 ADC	15-32 VDC	15mA @ 24VDC	13.15	12.53	12.15	11.96
558-CX480D5	CX480D5	48-660 VAC	.06-5.0 ADC	4-15 VDC	15mA @ 5 VDC	14.47	13.78	13.37	13.15
AC Input									
558-CXE240A5	CXE240A5	12-280 VAC	.06-5.0 Arms	18-36 VAC	5mA @ 24 VDC	10.61	10.11	9.65	9.37

*R suffix indicates random turn-on

CRYDOM SERIES MP TRIAC AC OUTPUT SIP PC MOUNT SSR'S (3-4A, 120/240VAC)

Available in 3Arms and 4Arms ratings, all are SPST-NO PC-mount relays that provide greater packaging density and compatibility with pinout of Series 6 and OAC output modules.



Features/Specifications:

- Triac AC Output SIP
- 5,15, & 24 Volt logic system compatible
- SPST-NO
- Must release voltage: 1 VDC
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms
- Control voltage: 3-32 VDC
- Control current: 2.6mA @ 5 VDC

RoHS Compliant 5902 UG LR81689 E116950

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current Range (Arms)	Surge Voltage	Price Each			
					1	10	25	50
558-MP120D3	MP120D3	12-140	.02-3.0	90	15.99	15.23	14.77	14.54
558-MP240D3	MP240D3	24-280	.02-3.0	90	15.99	15.23	14.77	14.54
558-MP240D4	MP240D4	24-280	.02-4.0	130	16.52	15.73	15.26	15.02

CRYDOM Panel Mount Solid State Relays

crydom

Products may be RoHS compliant.
Check mouser.com for RoHS status.

CRYDOM SERIES 1 (10-125A,120/240VAC OUTPUT)

Features/Specifications:
- Output - SCR AC switch
- Zero voltage and random
- Internal snubber
- Operating temperature: -40°C to 80°C

DC Control:
- Control voltage: 3-32 VDC
- Control current: 3.4mA @ 5VDC
- Higher Amps Available

AC Control:
- Control voltage: 90-280 VAC
- Control current: 2mA @ 120VAC

E116949

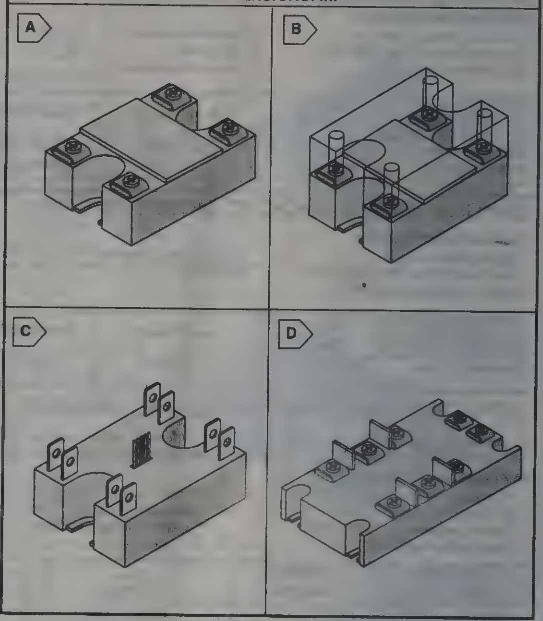
10143UG LR81689

* Non-zero cross, phase controllable

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current (Amps)	Isolation Voltage	Must Release Voltage	Price Each		
							1	10	25
DC Control									
558-D1202	D1202	A	24-140	.04-2.0	4000Vrms	1 VDC	**19.24**	**18.32**	**17.77**
558-D1210	D1210	A	24-140	.04-10	4000Vrms	1 VDC	**28.43**	**27.07**	**26.27**
558-D1225	D1225	A	24-140	.04-25	4000Vrms	1 VDC	**28.84**	**27.46**	**26.65**
558-D1240	D1240	A	24-140	.04-40	4000Vrms	1 VDC	**31.40**	**29.90**	**29.01**
558-D2402	D2402	A	48-280	.04-2.0	4000Vrms	1 VDC	**19.36**	**18.43**	**17.88**
558-D2410	D2410	A	48-280	.04-10	4000Vrms	1 VDC	**29.13**	**27.74**	**26.91**
558-D2425	D2425	A	48-280	.04-25	4000Vrms	1 VDC	**29.42**	**28.02**	**27.18**
***558-D2425-10**	D2425-10	A	48-280	.04-25	4000Vrms	1 VDC	**29.42**	**28.02**	**27.18**
558-D2440	D2440	A	48-280	.04-40	4000Vrms	1 VDC	**33.28**	**31.69**	**30.75**
***558-D2440-10**	D2440-10	A	48-280	.04-40	4000Vrms	1 VDC	**33.28**	**31.69**	**30.75**
558-D2450	D2450	A	48-280	.04-50	4000Vrms	1 VDC	**34.35**	**32.72**	**31.74**
***558-D2450-10**	D2450-10	A	48-280	.04-50	4000Vrms	1 VDC	**34.35**	**32.72**	**31.74**
558-D2475	D2475	A	48-280	.04-75	4000Vrms	1 VDC	**54.89**	**52.28**	**50.72**
558-D2490	D2490	A	48-280	.04-90	4000Vrms	1 VDC	**60.42**	**57.55**	**55.83**
558-D4825	D4825	A	80-530	.04-25	4000Vrms	1 VDC	**37.52**	**35.73**	**34.66**
558-D4840	D4840	A	80-530	.04-40	4000Vrms	1 VDC	**41.65**	**39.67**	**38.48**
558-D4850	D4850	A	80-530	.04-50	4000Vrms	1 VDC	**41.65**	**39.67**	**38.48**
558-D4875	D4875	A	80-530	.04-75	4000Vrms	1 VDC	**66.54**	**63.37**	**61.48**
AC Control									
558-A1225	A1225	A	24-140	.04-25	4000Vrms	10 VAC	**29.90**	**28.47**	**27.62**
558-A1240	A1240	A	24-140	.04-40	4000Vrms	10 VAC	**33.07**	**31.50**	**30.56**
558-A2410	A2410	A	48-280	.04-10	4000Vrms	10 VAC	**30.80**	**29.33**	**28.46**
558-A2425	A2425	A	48-280	.04-25	4000Vrms	10 VAC	**31.40**	**29.90**	**29.01**
558-A2440	A2440	A	48-280	.04-40	4000Vrms	10 VAC	**34.66**	**33.01**	**32.03**
558-A2450	A2450	A	48-280	.04-50	4000Vrms	10 VAC	**35.55**	**33.86**	**32.85**
558-A2475	A2475	A	48-280	.04-75	4000Vrms	10 VAC	**57.26**	**54.54**	**52.91**
558-A4850	A4850	A	80-530	.04-50	4000Vrms	10 VAC	**45.49**	**43.33**	**42.04**
558-A4875	A4875	A	80-530	.04-75	4000Vrms	10 VAC	**67.74**	**64.51**	**62.59**

DIMENSIONS: in.



CRYDOM CW SERIES (10-125A, 120/240/480/600 VAC)

The CW series offers a SCR AC switch output featuring low off-state leakage (1mA, snubberless), zero cross or random turn-on (-10) switching and a wide operating range (28-280Vrms) for optimum performance at 120Vac and 240Vac line voltages. High thermal ratings with reduced power dissipation result in reduced heat sink requirements for optimum performance. Additional features include integrated, removable finger-proof cover, LED status indication and user-friendly connectors.

Features/Specifications:
- SCR AC switch output
- Integrated fingerproof cover
- EMC compliant design
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000 Vrms

RoHS Compliant

E116949

10143UG LR81689

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (Vrms)	Load Current (Arms)	Control Voltage	Control Current	Must Release Voltage	Surge Current 1-Cycle (Apk)	Price Each		
									1	10	25
DC											
558-CWD2410	CWD2410	B	24-280	.15-10	3-32 VDC	10mA @ 5VDC	1 VDC	400	**30.58**	**29.12**	**28.26**
558-CWD2425	CWD2425	B	24-280	.15-25	3-32 VDC	10mA @ 5VDC	1 VDC	600	**30.89**	**29.42**	**28.54**
558-CWD2450	CWD2450	B	24-280	.15-50	3-32 VDC	10mA @ 5VDC	1 VDC	850	**36.08**	**34.36**	**33.34**
558-CWD2490	CWD2490	B	24-280	.25-90	3-32 VDC	10mA @ 5VDC	1 VDC	1350	**63.45**	**60.43**	**58.63**
558-CWD24125	CWD24125	B	24-280	.25-125	3-32 VDC	10mA @ 5VDC	1 VDC	2000	**72.98**	**69.50**	**67.43**
558-CWD4810	CWD4810	B	48-660	.15-10	4-32 VDC	10mA @ 5VDC	1 VDC	400	**37.21**	**35.44**	**34.38**
558-CWD4825	CWD4825	B	48-660	.15-25	4-32 VDC	10mA @ 5VDC	1 VDC	600	**39.39**	**37.52**	**36.40**
558-CWD4850	CWD4850	B	48-660	.15-50	4-32 VDC	10mA @ 5VDC	1 VDC	850	**43.73**	**41.65**	**40.41**
558-CWD4890	CWD4890	B	48-660	.25-90	4-32 VDC	10mA @ 5VDC	1 VDC	1350	**70.91**	**67.54**	**65.52**
558-CWD48125	CWD48125	B	48-660	.25-125	4-32 VDC	10mA @ 5VDC	1 VDC	2000	**81.47**	**77.59**	**75.28**
AC											
558-CWA2410	CWA2410	B	24-280	.15-10	90-280 Vrms	6mA @ 120Vrms	10 Vrms	400	**32.34**	**30.80**	**29.88**
558-CWA2425	CWA2425	B	24-280	.15-25	90-280 Vrms	6mA @ 120Vrms	10 Vrms	600	**32.97**	**31.40**	**30.47**
558-CWA2450	CWA2450	B	24-280	.15-50	90-280 Vrms	6mA @ 120Vrms	10 Vrms	850	**37.33**	**35.55**	**34.49**
558-CWA2490	CWA2490	B	24-280	.25-90	90-280 Vrms	6mA @ 120Vrms	10 Vrms	1350	**65.94**	**62.80**	**60.93**
558-CWA24125	CWA24125	B	24-280	.25-125	90-280 Vrms	6mA @ 120Vrms	10 Vrms	2000	**75.78**	**72.17**	**70.02**
558-CWA4810	CWA4810	B	48-660	.15-10	90-280 Vrms	6mA @ 120Vrms	10 Vrms	400	**42.40**	**40.38**	**39.18**
558-CWA4825	CWA4825	B	48-660	.15-25	90-280 Vrms	6mA @ 120Vrms	10 Vrms	600	**42.73**	**40.69**	**39.48**
558-CWA4850	CWA4850	B	48-660	.15-50	90-280 Vrms	6mA @ 120Vrms	10 Vrms	850	**47.77**	**45.49**	**44.13**
558-CWA4890	CWA4890	B	48-660	.25-90	90-280 Vrms	6mA @ 120Vrms	10 Vrms	1350	**74.23**	**70.69**	**68.59**
558-CWA48125	CWA48125	B	48-660	.25-125	90-280 Vrms	6mA @ 120Vrms	10 Vrms	2000	**85.33**	**81.27**	**78.85**

CRYDOM DUAL RELAYS & QUAD RELAYS

Dual

Two totally independent AC output relays come in a single standard panel-mount package. Utilizing an AC switch output with internal snubber, relays provide greater protection against false triggering.

Quad

Four independent AC output relays come in a single standard panel-mount package. Utilizing an AC switch output with internal snubber, relays provide greater protection against false triggering.

RoHS Compliant

Features/Specifications:
- Industry standard package
- Zero voltage switching
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms (Dual) 2500Vrms (Quad)
- Control current: 15mA @ 5VDC
- Must release voltage: 1 VDC
- Random turn-on, phase controllable

E116949

10143UG LR81689

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Load Current (VAC)	Control Voltage (VDC)	Line Voltage (VAC)	Price Each	
						1	10
Dual - SCR Output							
558-D2425D	D2425D	C	.15-25	4-15	24-280	**52.92**	**50.40**
558-D2440D	D2440D	C	.15-40	4-15	24-280	**59.93**	**57.07**
558-D2440D-10	D2440D-10	C	.15-40	4-15	24-280	**59.93**	**57.07**
Quad - Triac Output, UL Recognized Only							
558-TD2420Q	TD2420Q	C	.15-20	4-15	24-280	**87.69**	**83.51**

CRYDOM HEATSINKS

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Description	Price Each	
			1	10
558-HS-2	HS-2	Up to 25A	**11.86**	**11.29**
558-HE54	HE-54	Up to 50A	**11.86**	**11.29**

CRYDOM 53TP SERIES (25-30 AMP, 240-480 VAC, 3 PHASE)

Three-phase solid state relays switch up to 530 Vrms directly to loads such as motors, transformers, heating elements, etc. Available with either AC or DC input (coil) control in zero-voltage or random turn-on switching versions.

Features/Specifications:
- SCR Output
- LED Status indicator
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms
- Control voltage: DC - 32 VDC; AC - 90-280 VAC
- Control current: DC - 10mA@5VDC; AC - 2.2mA@ 12 Vrms

E116949

10143UG LR81689

For quantities of 25 and up, call for quote.

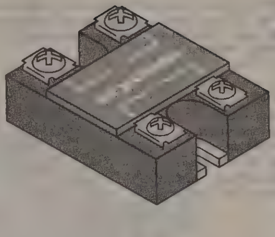
MOUSER STOCK NO.	Crydom Part No.	Fig.	Load Current (VAC)	Must Release Voltage	Line Voltage (VAC)	Price Each	
						1	10
DC Control							
558-D53TP25D	D53TP25D	D	.05-25	1 VDC	48-530	**117.89**	**112.28**
558-D53TP50D	D53TP50D	D	.05-50	1 VDC	48-530	**129.01**	**122.87**
AC Control							
558-A53TP25D	A53TP25D	D	.05-25	1 VDC	48-530	**122.95**	**117.09**

CRYDOM 1-DC SERIES (7-40A, DC OUTPUT 100-400 VDC)

Features/Specifications:

- Output - DC, MOSFET
- Input - DC control
- Low on-state resistance
- Paralleling capability
- Operating temperature: -30°C to 80°C
- Isolation voltage: 2500Vrms
- Control current: 1.6mA
- Control voltage: 3.5-32 VDC
- Must release voltage: 1 VDC

† E116949



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range (VDC)	Control Voltage Range (VDC)	Price Each	
				1	10
†558-D1D07	D1D07	0-100	.02-7	42.06	40.06
†558-D1D12	D1D12	0-100	.02-12	46.48	44.27
†558-D1D20	D1D20	0-100	.02-20	50.94	48.52
†558-D1D40	D1D40	0-100	.02-40	63.28	60.26
558-D2D07	D2D07	0-200	.02-7	48.57	46.26
558-D2D12	D2D12	0-200	.02-12	55.98	53.32
558-D4D07	D4D07	0-400	.02-7	57.06	54.34

CRYDOM DC60 SERIES (3-7 AMP, 60VDC OUTPUT)

Features/Specifications:

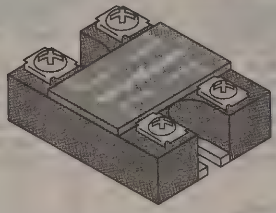
- Input - DC or AC control
- Isolation voltage: 4000Vrms

DC Control:

- Control voltage: 3.5-32 VDC
- Control current: 2.2mA @ 5VDC
- Must release voltage: 1 VDC

AC Control:

- Control voltage: 90-280 VAC
- Control current: 2mA @ 120VAC
- Must release voltage: 10 VDC



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range (VDC)	Control Voltage Range (VDC)	Price Each	
				1	10
DC Control					
558-DC60S3	DC60S3	3-60	.02-3	12.64	12.04
558-DC60S5	DC60S5	3-60	.02-5	19.83	18.89
558-DC60S7	DC60S7	3-60	.02-7	24.77	23.59
AC Control					
558-DC60SA3	558-DC60SA3	3-60	.02-3	14.61	13.91

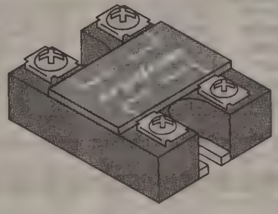
CRYDOM SSC SERIES: SOLID STATE DC CONTACTOR (25 AMP, 0-1000 VDC, DC OUTPUT)

Series SSC solid state DC contactors feature IGBT technology for high voltage DC switching applications. All models come in Crydom's standard panel-mount package.

Features/Specifications:

- Control voltage: 12, 24, 36 VDC
- IGBT Output
- High voltage
- Switching voltage mode: DC
- Min. load current: 2mA
- Min. turn off voltage: 1 VDC
- Load Current Max. (ADC): 25

RoHS Compliant



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range (VDC)	Control Voltage Range (VDC)	Price Each	
				1	10
558-SSC800-25-12	SSC800-25-12	0-800	8-16	132.62	126.30
558-SSC800-25-24	SSC800-25-24	0-800	20-28	132.62	126.30
558-SSC1000-25-24	SSC1000-25-24	0-1000	20-28	159.13	151.55

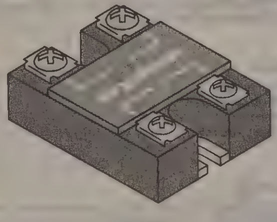
CRYDOM D06D SERIES PANEL MOUNT SSR'S (0-60 VDC DC OUTPUT)

DC output relays feature MOSFET technology for low on-state resistance, assuring easy paralleling and switching capabilities to 100 amps at 60 Vdc. Lower current models are also available to 500 Vdc. All models come in Crydom's standard panel mount package.

Features/Specifications:

- MOSFET Output
- Low on-state resistance
- High current ratings
- Switching voltage mode: DC
- Min. load current: 5mA
- Min. turn off voltage: 1 VDC
- Control voltage: 3.5-32 VDC

RoHS Compliant



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range (VDC)	Control Voltage Range (VDC)	Price Each	
				1	10
558-D06D60	D06D60	0-60	60	70.91	67.54
558-D06D80	D06D80	0-60	80	89.24	84.99
558-D06D100	D06D100	0-60	100	112.51	107.15

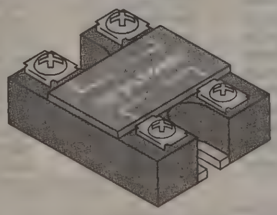
CRYDOM PCV SERIES ANALOG INPUT POWER CONTROLLER (15-90 AMP, 120/240, 480VAC, AC OUTPUT)

The PCV Series proportional controllers are self contained power control modules integrating a complete phase fired logic control system and a solid state relay in the same standard package. Typical applications include heaters, vibratory feeders and tungsten lamps.

Features/Specifications:

- Internal snubber
- Industry standard package
- Control circuit requires no adjustment or calibration
- Operates at 60Hz and 50 Hz
- Isolation voltage: 2500Vrms
- Operating temperature: -30°C to 80°C
- Control current: 4mA @ 5VDC
- Must release voltage: 1 VDC

RoHS Compliant



For quantities of 25 and up, call for quote.

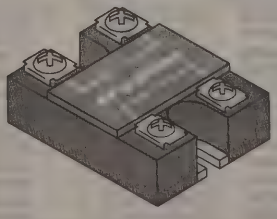
MOUSER STOCK NO.	Crydom Part No.	Load Current	Line Voltage	Control Voltage	Price Each	
					1	10
558-10PCV2415	10PCV2415	.15-15 VAC	100-240 VAC	2-10VDC	72.59	69.13
558-10PCV2425	10PCV2425	.15-25 VAC	100-240 VAC	2-10VDC	80.39	76.57

CRYDOM H12 SERIES (28-90 AMP, 40 VAC, AC OUTPUT)

Features/Specifications:

- 1200 Volt blocking
- SCR Output
- Up to 660 VAC
- Isolation voltage: 4000Vrms
- Operating temperature: -30°C to 80°C
- Control voltage: 4-32 VDC
- Control current: 15mA @ 5 VDC
- Must release voltage: 1 VDC

10143 UG LR81689 E116949



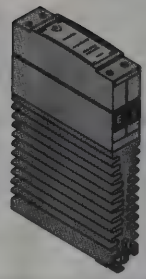
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current	Price Each	
				1	10
558-H12WD4850	H12WD4850	48-660 VAC	.04-50 Arms	40.73	38.79
558-H12WD4890	H12WD4890	48-660 VAC	.04-90 Arms	53.03	50.50
558-H12D4850	H12D4850	48-530 VAC	.04-50 Arms	39.00	37.14
558-H12D4890	H12D4890	48-530 VAC	.04-90 Arms	50.04	47.65

CRYDOM DIN Rail Mount SSRs

CRYDOM CKR SERIES DIN RAIL MOUNT SSR'S (10-30A, 120/240/480 VAC)

Crydom's proprietary thermal management technology makes for an efficient and compact package. Safe and easy-to-se box clamp terminals with integral heat sink complex the package. Model choices include zero-voltage or random turn-on (phase controllable) switching.



Specifications:
- SCR AC switch output
- Zero cross or random turn-on
- LED status indicator
- Slim package - 22mm Wide
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000 Vrms

10143UG LR81689 E116949 RoHS Compliant

DC-Zero Cross

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range (Vrms)	Load Current Range (Arms)	Control Voltage Range	Control Current	Must Release Voltage	Surge Current 1-Cycle (Apk)	Price Each		
								1	10	25
558-CKRD2410	CKRD2410	24-280	.15-10	4.5-32 VDC	15mA @ 12VDC	1 VDC	120	35.14	33.47	32.47
558-CKRD2420	CKRD2420	24-280	.15-20	4.5-32 VDC	15mA @ 12VDC	1 VDC	250	37.60	35.81	34.74
558-CKRD2430	CKRD2430	24-280	.15-30	4.5-32 VDC	15mA @ 12VDC	1 VDC	625	40.09	38.19	37.05
558-CKRD4810	CKRD4810	48-530	.15-10	4.5-32 VDC	15mA @ 12VDC	1 VDC	120	41.34	39.37	38.20
558-CKRD4820	CKRD4820	48-530	.15-20	4.5-32 VDC	15mA @ 12VDC	1 VDC	250	44.26	42.16	40.90
558-CKRD4830	CKRD4830	48-530	.15-30	4.5-32 VDC	15mA @ 12VDC	1 VDC	625	47.17	44.92	43.58

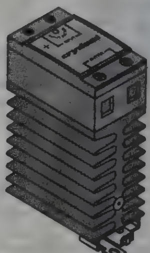
AC-Zero Cross

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range (Vrms)	Load Current Range (Arms)	Control Voltage Range	Control Current	Must Release Voltage	Surge Current 1-Cycle (Apk)	Price Each		
								1	10	25
558-CKRA2410	CKRA2410	24-280	.15-10	90-280 Vrms	2mA @ 120Vrms	10 Vrms	120	37.58	35.79	34.73
558-CKRA2420	CKRA2420	24-280	.15-20	90-280 Vrms	2mA @ 120Vrms	10 Vrms	250	42.91	40.87	39.65
558-CKRA2430	CKRA2430	24-280	.15-30	90-280 Vrms	2mA @ 120Vrms	10 Vrms	625	45.85	43.67	42.37
558-CKRA4810	CKRA4810	48-530	.15-10	90-280 Vrms	2mA @ 120Vrms	10 Vrms	120	44.25	42.14	40.88
558-CKRA4820	CKRA4820	48-530	.15-20	90-280 Vrms	2mA @ 120Vrms	10 Vrms	250	47.36	45.10	43.76
558-CKRA4830	CKRA4830	48-530	.15-30	90-280 Vrms	2mA @ 120Vrms	10 Vrms	625	50.50	48.09	46.66

CRYDOM CMR SERIES DIN RAIL MOUNT SSR'S (35-65A, 120/240/480 VAC)

Crydom's Coolpak TM integral heat sink technology creates a package that is efficient with the convenience of DIN rail mounting. These SPST-NO solid state relays offer box clamp connections for safety and ease-of-use. The on-board LED provides visible status indication. Model choices include zero-voltage or random thru-on (phase controllable) switching.



Specifications:
- SCR AC switch output
- Zero cross or random turn-on
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000 Vrms

10143UG LR81689 E116949

DC-Zero Cross

For quantities 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current (Arms)	Control Voltage	Control Current	Must Release Voltage	Surge Current 1-Cycle (Apk)	Price Each	
								1	10
558-CMRD2435	CMRD2435	24-280	.15-35	3-32 VDC	17mA @ 5VDC	1 VDC	250	57.23	54.50
558-CMRD2445	CMRD2445	24-280	.15-45	3-32 VDC	17mA @ 5VDC	1 VDC	625	61.53	58.60
558-CMRD2455	CMRD2455	24-280	.25-55	3-32 VDC	17mA @ 5VDC	1 VDC	1000	74.40	70.86
558-CMRD2465	CMRD2465	24-280	.25-65	3-32 VDC	17mA @ 5VDC	1 VDC	1200	85.86	81.77
558-CMRD4835	CMRD4835	48-530	.15-35	4-32 VDC	14mA @ 5VDC	1 VDC	250	59.60	56.77
558-CMRD4845	CMRD4845	48-530	.15.45	4-32 VDC	14mA @ 5VDC	1 VDC	625	64.06	61.01
558-CMRD4855	CMRD4855	48-530	.25-55	4-32 VDC	14mA @ 5VDC	1 VDC	100	77.46	73.77
558-CMRD4865	CMRD4865	48-530	.25-65	4-32 VDC	14mA @ 5VDC	1 VDC	1200	89.40	85.14
558-CMRD6035	CMRD6035	48-660	.15.35	4-32 VDC	14mA @ 5VDC	1 VDC	250	61.93	58.98
558-CMRD6045	CMRD6045	48-660	.15-45	4-32 VDC	14mA @ 5VDC	1 VDC	625	66.57	63.40
558-CMRD6055	CMRD6055	48-660	.25-55	4-32 VDC	14mA @ 5VDC	1 VDC	100	80.50	76.66
558-CMRD6065	CMRD6065	48-660	.25-65	4-32 VDC	14mA @ 5VDC	1 VDC	1200	92.90	88.48

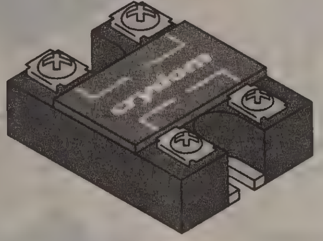
AC-Zero Cross

For quantities 25 and up, call for quote.

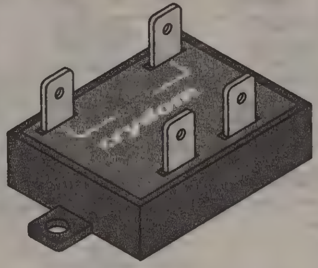
MOUSER STOCK NO.	Crydom Part No.	Line Voltage	Load Current (Arms)	Control Voltage	Control Current	Must Release Voltage	Surge Current 1-Cycle (Apk)	Price Each	
								1	10
558-CMRA2435	CMRA2435	24-280	.15-35	90-140 Vrms	15mA @ 120Vrms	10 Vrms	250	59.74	56.90
558-CMRA2445	CMRA2445	24-280	.15-45	90-140 Vrms	15mA @ 120Vrms	10 Vrms	625	64.05	61.00
558-CMRA2455	CMRA2455	24-280	.25-55	90-140 Vrms	15mA @ 120Vrms	10 Vrms	100	76.93	73.26
558-CMRA2465	CMRA2465	24-280	.25-65	90-140 Vrms	15mA @ 120Vrms	10 Vrms	1200	88.37	84.16
558-CMRA4835	CMRA4835	48-530	.15-35	90-140 Vrms	15mA @ 120Vrms	10 Vrms	250	62.12	59.16
558-CMRA4845	CMRA4845	48-530	.15.45	90-140 Vrms	15mA @ 120Vrms	10 Vrms	625	66.57	63.40
558-CMRA4855	CMRA4855	48-530	.25-55	90-140 Vrms	15mA @ 120Vrms	10 Vrms	1000	79.97	76.16
558-CMRA4865	CMRA4865	48-530	.25-65	90-140 Vrms	15mA @ 120Vrms	10 Vrms	1200	91.91	87.53
558-CMRA6035	CMRA6035	48-660	.15.35	90-140 Vrms	15mA @ 120Vrms	10 Vrms	250	64.44	61.37
558-CMRA6045	CMRA6045	48-660	.15-45	90-140 Vrms	15mA @ 120Vrms	10 Vrms	625	69.12	65.83
558-CMRA6055	CMRA6055	48-660	.25-55	90-140 Vrms	15mA @ 120Vrms	10 Vrms	1000	83.01	79.06
558-CMRA6065	CMRA6065	48-660	.25-65	90-140 Vrms	15mA @ 120Vrms	10 Vrms	1200	95.41	90.87

CRYDOM Panel Mount Solid State Relays

A



B



CRYDOM T SERIES (TRIAC OUTPUT, 5-25 AMP AC OUTPUT)

Features/Specifications:
- Zero voltage switching
- AC and DC control
- Operating temperature: -30°C to 80°C
- Isolation voltage: 4000Vrms

E116949 10143UG LR81689

RoHS Compliant

DC Control:
- Control voltage: 3-32 VDC
- Control current: 2.2mA @ 5VDC
- Must release voltage: 1 VDC

AC Control:
- Control voltage: 90-280 Vrms
- Control current: 2mA @ 120VAC
- Must release voltage: 10 VDC

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current (Arms)	Price Each		
					1	10	25
DC Control							
558-TD1210	TD1210	A	24-140	.05-10	**28.41**	**27.06**	**26.25**
558-TD1225	TD1225	A	24-140	.05-25	**28.84**	**27.46**	**26.65**
558-TD2425	TD2425	A	48-280	.05-25	**29.42**	**28.02**	**27.18**
AC Control							
558-TA2425	TA2425	A	48-280	.05-25	**31.40**	**29.90**	**29.01**

CRYDOM NTD SERIES (10-25A, 120/240VAC OUTPUT)

Features/Specifications:
- Output - SCR AC switch
- Zero voltage switching
- 1200 Volt Blocking
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms
- Control voltage: 3-32 VDC
- Line voltage: 24-280 VAC
- Must release voltage: 1 VDC

E116949

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Load Current (Arms)	Price Each		
				1	10	25
558-NTD2425	NTD2425	A	.15-25	**19.48**	**18.56**	**18.12**

Protective Covers

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Description	Price Each		
			1	10	25
558-KS-100	KS-100	1 Series Pkgs.	**2.60**	**2.47**	**2.40**

CRYDOM HD/HA SERIES (25-90A, 480 VAC OUTPUT)

Features/Specifications:
- Output - SCR AC Switch
- Zero voltage switching
- 1200 Volt blocking
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms
- Line voltage: 48-530 VAC
- Control current: DC - 2mA @ 5VDC;
  AC - 2mA @ 120VAC

LR81689 E116949 10143UG

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Control Voltage	Load Current (Arms)	Must Release Voltage	Price Each		
						1	10	25
DC Control								
558-HD4825	HD4825	A	3-32 VDC	.04-25	1 VDC	**38.45**	**36.62**	**35.53**
558-HD4850	HD4850	A	3-32 VDC	.04-50	1 VDC	**42.69**	**40.66**	**39.45**
558-HD4890	HD4890	A	3-32 VDC	.04-90	1 VDC	**69.22**	**65.93**	**63.96**
AC Control								
558-HA4825	HA4825	A	90-280 VAC	.04-25	10 VAC	**41.72**	**39.73**	**38.55**
558-HA4890	HA4890	A	90-280 VAC	.04-90	10 VAC	**72.45**	**69.00**	**66.94**

CRYDOM CS SERIES (10-90 AMP, 120/240 VAC, AC OUTPUT)

Features/Specifications:
- Low leakage
- SCR Output
- Zero voltage switching
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000Vrms
- Must release voltage: 1 VDC

DC Control:
- Control voltage: 3.5-15 VDC
- Control current: 15mA @ 5VDC

AC Control:
- Control voltage: 15-32 VDC
- Control current: 7mA @ 15V

RoHS Compliant

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Line Voltage (VAC)	Load Current (Arms)	Price Each		
					1	10	25
DC Control							
558-CSD2410	CSD2410	A	24-280	.15-10	**23.99**	**22.84**	**22.16**
558-CSD2450	CSD2450	A	24-280	.15-50	**34.51**	**32.87**	**31.89**
AC Control							
558-CSE2425	CSE2425	A	24-280	.15-25	**29.37**	**27.97**	**27.13**

CRYDOM CSW SERIES LOW LEAKAGE (10-90A, 120/240 VAC)

RoHS Compliant

The series CSW has an SCR AC switch output featuring low off-state leakage (1mA, snubberless), zero-voltage switching and broadened operating range (24-280Vrms). This wide range permits optimum performance at both 120Vac and 240Vac line voltages.

LR81689-10

Features/Specifications:
- Low leakage
- SCR AC switch output
- Operating temperature: -40°C to 80°C
- Isolation voltage: 4000 Vrms
- Line voltage: 24-280 Vrms
- Control voltage: 3-32 VDC
- Control current: 13mADC
- Must release voltage: 1.0

E116949 10143UG

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Load Current (Arms)	Surge Current 1-Cycle (Apk)	Price Each		
					1	10	25
558-CSW2410	CSW2410	A	.15-10	120	**23.99**	**22.84**	**22.16**
558-CSW2425	CSW2425	A	.15-25	250	**29.37**	**27.97**	**27.13**
558-CSW2450	CSW2450	A	.15-50	625	**34.51**	**32.87**	**31.89**
558-CSW2475	CSW2475	A	.25-75	1000	**55.86**	**53.20**	**51.62**
558-CSW2490	CSW2490	A	.25-90	1200	**61.53**	**58.60**	**56.86**

CRYDOM EZ SERIES PC MOUNT SSR'S (5-18 AMP, 120/240, 480 VAC, AC OUTPUT)

LR81689 E116949

Features/Specifications:
- Low leakage
- SCR Output
- Quick connect terminals
- Isolation voltage: 4000Vrms
- Line voltage: 24-280 Vrms
- Operating temperature: -30°C to 80°C
- Load current: .15-18 ADC
- Must release voltage: 1 VDC

RoHS Compliant

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Fig.	Control Voltage	Control Current @ 5VDC (mADC)	Price Each		
					1	10	25
558-EZ240D12	EZ240D12	B	3-15	15	**15.58**	**14.84**	**14.40**
558-EZ240D18	EZ240D18	B	3-15	15	**20.04**	**19.08**	**18.52**
558-EZ240D18R	EZ240D18R	B	3-15	15	**20.04**	**19.08**	**18.52**
558-EZ240A18S	EZ240A18S	B	90-140	10	**21.76**	**20.73**	**20.11**

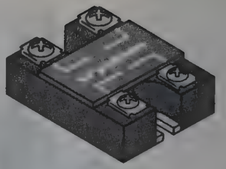
CRYDOM SERIES DC60 PANEL MOUNT RELAYS

Features/Specifications:

- Bi-polar transistor output
- Load current range: 3-7A
- Operating voltage range: 0-60 VDC
- DC Switching- SPST-NC
- Isolation range: 4000 V
- Panel Mount

NEW FROM SUPPLIER

RoHS Compliant



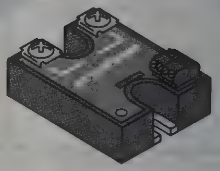
MOUSER STOCK NO.	Crydom Part No.	Fig.	Input Voltage	Output Voltage	Price Each			
					1	10	25	50
558-DC60S3-B	DC60S3-B	C	3.5-32 VDC	3-60 VDC	12.64	12.04	11.68	11.49
558-DC60S5-B	DC60S5-B	C	3.5-32 VDC	3-60 VDC	19.83	18.89	18.33	18.03
558-DC60S7-B	DC60S7-B	C	3.5-32 VDC	3-60 VDC	24.77	23.59	22.89	22.52
558-DC60SA3-B	DC60SA3-B	C	90-280 VAC	3-60 VDC	14.61	13.91	13.50	13.28
558-DC60SA5-B	DC60SA5-B	C	90-280 VAC	3-60 VDC	21.82	20.78	20.16	19.83
558-DC60SA7-B	DC60SA7-B	C	90-280 VAC	3-60 VDC	26.75	25.48	24.72	24.32

CRYDOM PC SERIES: PHASE CONTROL PANEL MOUNT SSR, (25-90AMP, 120/480 VAC - AC OUTPUT)

Proportional Controllers PC Series incorporate a complete phase-fired logic system and SSR to provide phase control function within industrial standard package.

Features/Specifications:

- Output SCR AC switching
- Angle firing load control
- Loads up to 90 Amps
- 0-100% Control range



For quantities of 25 and up, call for quote.

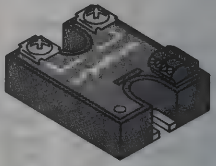
MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range	Rated Current	Analog Input	Price Each	
					1	10
558-MCPC1250E	MCPC1250E	12: 48-140	50 A	Potentiometer	72.60	69.15
558-MCPC1250C	MCPC1250C	12: 48-140	50 A	0-10Vdc	72.60	69.15
558-MCPC2425E	MCPC2425E	24: 180-280	25 A	Potentiometer	67.48	64.27
558-MCPC2425C	MCPC2425C	24: 180-280	25 A	0-10Vdc	67.48	64.27
558-MCPC4825E	MCPC4825E	48: 330-530	25 A	Potentiometer	76.88	73.21
558-MCPC4825C	MCPC4825C	48: 330-530	25 A	0-10Vdc	76.88	73.21

CRYDOM ST SERIES: SOFT START PANEL MOUNT SSR, (25-90AMP, 120/480 VAC - AC OUTPUT)

This family of relays is designed to provide surge-reducing switching soft-start functions for any type of load which benefits from a gradual application or released or both of supply voltage.

Features/Specifications:

- Output SCR AC switching
- Soft-start
- LED status indicator
- Internal snubber
- Microcontroller based



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range	Rated Current	Analog Input	Delay Range	Price Each	
						1	10
558-MCST1250ES	MCST1250ES	12: 90-140	50 A	Potentiometer	0.1-1.0 sec.	72.60	69.15
558-MCST1250CM	MCST1250CM	12: 90-140	50 A	0-10Vdc	1.0-10 sec	72.60	69.15
558-MCST2425ES	MCST2425ES	24: 180-280	25 A	Potentiometer	0.1-1.0 sec.	67.48	64.27
558-MCST2425CM	MCST2425CM	24: 180-280	25 A	0-10Vdc	1.0-10 sec	67.48	64.27
558-MCST4825ES	MCST4825ES	48: 300-550	25 A	Potentiometer	0.1-1.0 sec.	76.88	73.21
558-MCST4825CM	MCST4825CM	48: 300-550	25 A	0-10Vdc	1.0-10 sec	76.88	73.21

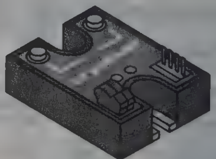
CRYDOM TC SERIES: TEMPERATURE CONTROLLER, PANEL MOUNT SSR, (25-90AMP, 120/480 VAC - AC OUTPUT)

Temperature controller is a state of the art microcontroller based Silicon Controlled Rectified(SCR) that is intended for controlling industrial heaters.

Features/Specifications:

- Output SCR AC switching
- Temperature controller
- Proportional derivative
- Burst firing feature
- provides longer heater life

RoHS Compliant



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Line Voltage Range	Rated Current	Analog Input	Price Each	
					1	10
558-MCTC2425JLC	MCTC2425JLC	24: 24-280	25 A	0-10Vdc	88.83	84.60
558-MCTC2425KHD	MCTC2425KHD	24: 24-280	25 A	4-20mA	88.83	84.60
558-MCTC2450JLC	MCTC2450JLC	24: 24-280	50 A	0-10Vdc	97.38	92.74
558-MCTC2450KHD	MCTC2450KHD	24: 24-280	50 A	4-20mA	97.38	92.74
558-MCTC4825JLC	MCTC4825JLC	48: 48-530	25 A	0-10Vdc	93.96	89.48
558-MCTC4825KHD	MCTC4825KHD	48: 48-530	25 A	4-20mA	93.96	89.48

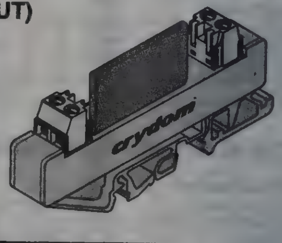
CRYDOM MS11-CMX SERIES DIN RAIL MOUNT I/O MODULES (6-10A, 0-100 VDC, DC OUTPUT)

DC output SPST-NO solid state relays use MOSFET output for high switching capabilities in a DIN Rail (TS-35) mount air-cooled package.

Features/Specifications:

- MOSFET output
- Extra low on state resistance
- Input status LED

RoHS Compliant



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Input Specifications		Output Specifications		Price Each		
		Voltage (VDC)	Typical Current	Load Current Overload Voltage	Maximum Turn-on/ Turn-off Time	1	10	25
558-MS11CMX60D10	MS11-CMX60D10	5-10	12mA	0-10 Adc	5 / 1.0	42.54	40.51	39.30
558-MS11-CMX100D6	MS11-CMX100D6	5-10	12mA	0-6 Adc	5 / 1.0	44.43	42.32	41.06

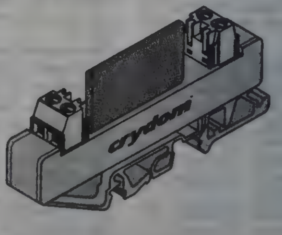
CRYDOM MS11-CX SERIES DIN RAIL MOUNT I/O MODULES (5A, 240 VAC, AC OUTPUT)

Crydom's family of SPST-NO relays achieves the highest power switching capability in a DIN mounted air-cooled package. Advanced features include exceptional steady state current, plus ultra-high surge ratings.

Features/Specifications:

- SCR output rating
- Ultra high surge
- Input status LED

RoHS Compliant



For quantities of 50 and up, call for quote.

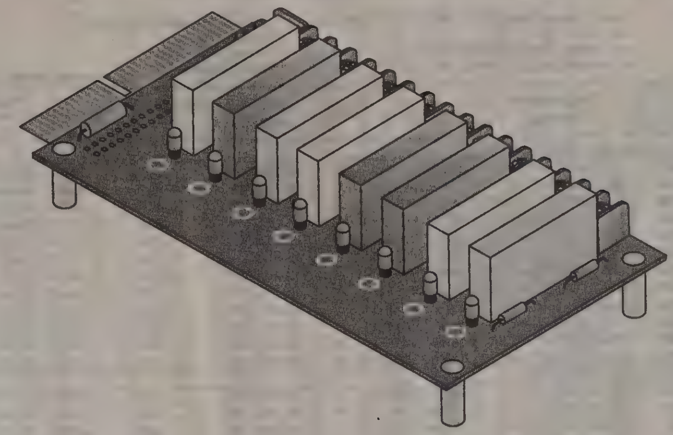
MOUSER STOCK NO.	Crydom Part No.	Input Specifications		Output Specifications		Price Each		
		Voltage (VDC)	Typical Current	Load Current Overload Voltage	Maximum Turn-on/ Turn-off Time	1	10	25
558-MS11-CX240A5	MS11-CX240A5	90-140 rms	10mArms	.06-5 Arms	10 msec/40 msec	27.73	26.42	25.33
558-MS11-CX240D5	MS11-CX240D5	4-5	12mA	.06-5 Arms	1/2 cycle/1/2 cycle	26.48	25.22	24.47
558-MS11-CXE240D5	MS11-CXE240D5	15-32	8mA	.06-5 Arms	1/2 cycle/1/2 cycle	26.48	25.22	24.47

CRYDOM Solid State I/O Modules

crydom™

RoHS Compliant This page of product is compliant.

CRYDOM SOLID STATE OPTO-ISOLATED BOARD MOUNT I/O MODULES



Solid State I/O switching modules deliver an electrically clean, photo-isolated noise-free 'output' interface from logic level control systems to external loads such as motors, valves, solenoids, etc. - or an 'input' interface from the load or sensors to microprocessor or computer-based logic level systems. Designed for long, reliable service in demanding industrial environments.

Features:

- Maximum turn-on / turn off time: 20 / 30 msec
- Zero-Cross switching on AC only output

LR81689 E116949 RoHS Compliant

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	Voltage Input Type	Color	Input Specifications		Output	Price Each			
				Voltage (Vrms/VDC)	Typical Current Max. (mA)	Load Current Overload Voltage	1	10	25	50
Standard Pack										
558-IAC5	IAC5	AC or DC	Yellow	90-140	10	.1-50mA@.4-30VDC	8.93	8.50	8.25	8.11
558-IAC-5A	IAC5A	AC or DC	Yellow	180-280	8	.1-50mA@.4-30VDC	9.14	8.70	8.44	8.30
558-IAC-15	IAC15	AC or DC	Yellow	90-141	10	.1-50mA@.4-30VDC	10.50	10.00	9.70	9.55
558-IAC15A	IAC15A	AC or DC	Yellow	180-281	8	.1-50mA@.4-30VDC	10.50	10.00	9.70	9.55
558-IAC-24	IAC24	AC or DC	Yellow	90-142	10	.1-50mA@.4-30VDC	10.50	10.00	9.70	9.55
558-IAC24A	IAC24A	AC or DC	Yellow	180-282	8	.1-50mA@.4-30VDC	10.82	10.30	9.99	9.83
558-IDC5	IDC5	DC only	White	10-36	16	.1-50mA@.4-30VDC	8.93	8.50	8.25	8.11
558-IDC5D	IDC5D	DC only	White	3.3-32	32	.1-50mA@.4-30VDC	8.93	8.50	8.25	8.11
558-IDC-15	IDC15	DC only	White	10-36	16	.1-50mA@.4-30VDC	11.13	10.60	10.28	10.12
558-IDC15D	IDC15D	DC only	White	3.3-32	32	.1-50mA@.4-30VDC	11.13	10.60	10.28	10.12
558-IDC-24	IDC24	DC only	White	10-36	16	.1-50mA@.4-30VDC	10.50	10.00	9.70	9.55
558-IDC24D	IDC24D	DC only	White	3.3-32	32	.1-50mA@.4-30VDC	10.50	10.00	9.70	9.55
558-OAC5	OAC5	AC only	Black	3-8	27	.05-3A@.12-140Vrms	8.93	8.50	8.25	8.11
558-OAC5A	OAC5A	AC only	Black	3-8	27	.05-3A@.24-280Vrms	9.24	8.80	8.54	8.40
558-OAC15	OAC15	AC only	Black	8.5-18.5	20	.05-3A@.12-140Vrms	11.13	10.60	10.28	10.12
558-OAC15A	OAC15A	AC only	Black	8.5-18.5	20	.05-3A@.24-280Vrms	11.13	10.60	10.28	10.12
558-OAC24	OAC24	AC only	Black	16.5-29	13.5	.05-3A@.12-140Vrms	10.82	10.30	9.99	9.83
558-OAC24A	OAC24A	AC only	Black	16.5-29	13.5	.05-3A@.24-280Vrms	11.13	10.60	10.28	10.12
558-ODC5	ODC5	DC only	Red	2.5-7.5	27	.01-3A@3-60VDC	8.93	8.50	8.25	8.11
558-ODC5A	ODC5A	DC only	Red	2.5-7.5	27	.01-3A@5-200VDC	11.45	10.90	10.58	10.40
558-ODC15	ODC15	DC only	Red	8.5-20	20	.01-3A@3-60VDC	12.29	11.70	11.35	11.17
558-ODC15A	ODC15A	DC only	Red	8.5-20	20	.01-3A@5-200VDC	8.15	7.76	7.58	7.41
558-ODC24	ODC24	DC only	Red	16.5-30.5	15	.01-3A@3-60VDC	12.29	11.70	11.35	11.17
558-ODC24A	ODC24A	DC only	Red	16.5-30.5	15	.01-3A@5-200VDC	13.02	12.40	12.03	11.84
Mini-Pack										
558-MIAC5	MIAC5	AC or DC	Yellow	90-140	10	.1-50mA@.4-30VDC	8.93	8.50	8.25	8.11
558-MIAC5A	MIAC5A	AC or DC	Yellow	180-280	8	.1-50mA@.4-30VDC	9.14	8.70	8.44	8.30
558-MIAC15	MIAC15	AC or DC	Yellow	90-141	10	.1-50mA@.4-30VDC	7.25	6.90	6.74	6.59
558-MIAC15A	MIAC15A	AC or DC	Yellow	180-281	8	.1-50mA@.4-30VDC	7.25	6.90	6.74	6.59
558-MIAC24	MIAC24	AC or DC	Yellow	90-142	10	.1-50mA@.4-30VDC	10.50	10.00	9.70	9.55
558-MIAC24A	MIAC24A	AC or DC	Yellow	180-282	8	.1-50mA@.4-30VDC	10.82	10.30	9.99	9.83
558-MIDC5	MIDC5	DC only	White	10-36	16	.1-50mA@.4-30VDC	8.93	8.50	8.25	8.11
558-MIDC5D	MIDC5D	DC only	White	3.3-32	32	.1-50mA@.4-30VDC	8.93	8.50	8.44	8.11
558-MIDC15	MIDC15	DC only	White	10-36	16	.1-50mA@.4-30VDC	7.25	6.90	6.74	6.59
558-MIDC15D	MIDC15D	DC only	White	3.3-32	32	.1-50mA@.4-30VDC	7.25	6.90	6.74	6.59
558-MIDC24	MIDC24	DC only	White	10-36	16	.1-50mA@.4-30VDC	10.50	10.00	9.70	9.55
558-MIDC24D	MIDC24D	DC only	White	3.3-32	32	.1-50mA@.4-30VDC	10.50	10.00	9.99	9.55
558-MOAC5	MOAC5	AC only	Black	3-8	27	.05-3A@.12-140Vrms	8.93	8.50	8.25	8.11
558-MOAC5A	MOAC5A	AC only	Black	3-8	27	.05-3A@.24-280Vrms	9.24	8.80	8.54	8.40
558-MOAC15	MOAC15	AC only	Black	8.5-18.5	20	.05-3A@.12-140Vrms	11.13	10.60	10.28	10.12
558-MOAC15A	MOAC15A	AC only	Black	8.5-18.5	20	.05-3A@.24-280Vrms	7.25	6.90	6.74	6.59
558-MOAC24	MOAC24	AC only	Black	16.5-29	13.5	.05-3A@.12-140Vrms	10.82	10.30	9.99	9.83
558-MOAC24A	MOAC24A	AC only	Black	16.5-29	13.5	.05-3A@.24-280Vrms	11.13	10.60	10.28	10.12
558-MODC5	MODC5	DC only	Red	2.5-7.5	27	.01-3A@3-60VDC	8.93	8.50	8.25	8.11
558-MODC5A	MODC5A	DC only	Red	2.5-7.5	27	.01-3A@5-200VDC	11.45	10.90	10.58	10.40
558-MODC15	MODC15	DC only	Red	8.5-20	20	.01-3A@3-60VDC	12.29	11.70	11.35	11.17
558-MODC15A	MODC15A	DC only	Red	8.5-20	20	.01-3A@5-200VDC	13.02	12.40	12.03	11.84
558-MODC24	MODC24	DC only	Red	16.5-30.5	15	.01-3A@3-60VDC	12.29	11.70	11.35	11.17
558-MODC24A	MODC24A	DC only	Red	16.5-30.5	15	.01-3A@5-200VDC	13.02	12.40	12.03	11.84

RoHS Compliant

CRYDOM MOUNTING BOARDS FOR I/O MODULES

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Crydom Part No.	No. of Module Pos. and I/O Channels	Connection Type	Price Each			
				1	10	25	50
558-PB-4	PB-4	4	Screw terminal	30.56	29.10	28.24	27.78
558-PB-4H	PB-4H	4	26, 50 pin card edge	48.27	45.97	44.60	43.88
558-PB-8	PB-8	8	26, 50 pin card edge	48.93	46.60	45.21	44.48
558-PB-16A	PB-16A	16	50 pin card edge	129.47	123.30	120.40	117.70
558-PB-16T	PB-16T	16	Screw terminal	92.70	88.29	85.65	84.27
558-PB-24	PB-24	24	50 pin card edge	128.00	121.90	118.27	116.36

MAGNECRAFT Solid State Relays

CLASS 6 SOLID STATE RELAYS WITH LED LAMP INDICATOR

Specifications:

- Screw (AXX) or Blade (BXX) Terminals Available
- Control Voltage Range: AC90 = 90-280 VAC (50/60 Hz), DC3 = 3-32 VDC
- Load Voltage Range: 62 = 40-280 VAC, 64 = 48-480 VAC, 66 = 48-600 VAC
- 10 to 125 Amp Switching Capacity
- Optically Coupled
- AC or DC Controlled
- Panel Mountable

E258297

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supercedes	Fig.	Load Voltage	Current Rating (RMS)	Price Each			
						1	10	25	50
AC Controlled Input, 90-280 VAC (SPST-NO)									
528-6210AXXSZS-AC90	6210AXXSZS-AC90	W6210ASX-1	A	24-280 VAC	10A	26.77	22.28	21.05	19.82
528-6225AXXSZS-AC90	6225AXXSZS-AC90	W6225ASX-1	A	24-280 VAC	25A	35.89	29.88	28.23	26.58
528-6240AXXSZS-AC90	6240AXXSZS-AC90	W6240ASX-1	A	24-280 VAC	40A	42.74	35.58	33.62	31.65
528-6250AXXSZS-AC90	6250AXXSZS-AC90	W6250ASX-1	A	24-280 VAC	50A	47.30	39.39	37.21	35.03
528-6275AXXSZS-AC90	6275AXXSZS-AC90	W6275ASX-1	A	24-280 VAC	75A	73.73	61.40	58.00	54.61
528-6410AXXSZS-AC90	6410AXXSZS-AC90	W6410ASX-1	A	48-480 VAC	10A	23.26	19.37	18.30	17.23
528-6425AXXSZS-AC90	6425AXXSZS-AC90	W6425ASX-1	A	48-480 VAC	25A	29.94	24.92	23.55	22.17
528-6440AXXSZS-AC90	6440AXXSZS-AC90	W6440ASX-1	A	48-480 VAC	40A	54.42	45.30	42.80	40.30
528-6450AXXSZS-AC90	6450AXXSZS-AC90	W6450ASX-1	A	48-480 VAC	50A	57.04	47.49	44.87	42.25
528-6475AXXSZS-AC90	6475AXXSZS-AC90	W6475ASX-1	A	48-480 VAC	75A	84.03	69.96	66.09	62.23
528-6690AXXSZS-AC90	6690AXXSZS-AC90	W6690ASX-1	A	48-600 VAC	90A	86.25	71.82	67.85	63.88
528-66125AXXSZS-AC90	66125AXXSZS-AC90	W66125ASX-1	A	48-600 VAC	125A	103.39	86.08	81.33	76.57
DC Controlled Input, 3-32 VDC (SPST-NO)									
528-6210AXXSZS-DC3	6210AXXSZS-DC3	W6210DSX-1	A	24-280 VAC	10A	22.98	19.13	18.07	17.02
528-6225AXXSZS-DC3	6225AXXSZS-DC3	W6225DSX-1	A	24-280 VAC	25A	26.27	21.86	20.66	19.45
528-6240AXXSZS-DC3	6240AXXSZS-DC3	W6240DSX-1	A	24-280 VAC	40A	42.74	35.58	33.62	31.65
528-6250AXXSZS-DC3	6250AXXSZS-DC3	W6250DSX-1	A	24-280 VAC	50A	47.30	39.39	37.21	35.03
528-6275AXXSZS-DC3	6275AXXSZS-DC3	W6275DSX-1	A	24-280 VAC	75A	73.73	61.40	58.00	54.61
528-6425AXXSZS-DC3	6425AXXSZS-DC3	W6425DSX-1	A	48-480 VAC	25A	28.27	23.53	22.23	20.93
528-6440AXXSZS-DC3	6440AXXSZS-DC3	W6440DSX-1	A	48-480 VAC	40A	52.75	43.93	41.50	39.07
528-6450AXXSZS-DC3	6450AXXSZS-DC3	W6450DSX-1	A	48-480 VAC	50A	56.20	46.79	44.20	41.62
528-6475AXXSZS-DC3	6475AXXSZS-DC3	W6475DSX-1	A	48-480 VAC	75A	83.47	69.50	65.66	61.82
528-6690AXXSZS-DC3	6690AXXSZS-DC3	W6690DSX-1	A	48-600 VAC	90A	83.47	69.50	65.66	61.82
528-66125AXXSZS-DC3	66125AXXSZS-DC3	W66125DSX-1	A	48-600 VAC	125A	90.59	75.42	71.26	67.09

CLASS 226 MINIATURE SOLID STATE RELAYS

Specifications:

- Contact arrangement: SPST-NO
- Load current range: 50mA to 7A

E258297

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Input	Load Voltage	Max. Output Current	Price Each			
						1	10	25	50
PC Terminals									
528-226RE75	W226RE-7-5A1	B	5 VDC	140 VAC	7AMP	21.50	19.78	18.79	17.80
528-226RE85	W226RE-8-5A1	B	5 VDC	280 VAC	7AMP	21.50	19.78	18.79	17.80
Push on Terminals									
528-226R75	W226R-7-5A1	B	5 VDC	140 VAC	7AMP	21.50	19.78	18.79	17.80
528-226R712	W226R-7-12A1	B	12 VDC	140 VAC	7AMP	21.50	19.78	18.79	17.80
528-226R85	W226R-8-5A1	B	5 VDC	280 VAC	7AMP	21.50	19.78	18.79	17.80
528-226R812	W226R-8-12A1	B	12 VDC	280 VAC	7AMP	21.50	19.78	18.79	17.80

SERIES 861 SOLID STATE RELAYS

NEW FROM SUPPLIER

Specifications:

- Integral Heatsink
- Factory Tested Thermal Management
- Solid State Circuitry
- Isolation From Inputs to Outputs
- No Interference Between Separate Circuits
- Internal Snubber
- Protects From Transients
- Flexible Mounting
- Mount Directly on DIN Rail or Panel

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Rated Load Current	Contact Form	Input Voltage	Load Voltage Range	Price Each			
							1	10	25	50
AC Operated										
528-861SSR210-AC-1	861SSR210-AC-1	C	10	SPST-NO	90-280 VAC	24-280 VAC	44.62	37.16	35.11	33.05
DC Operated										
528-861SSR210-DC-1	861SSR210-DC-1	C	10	SPST-NO	3-32 VDC	24-280 VAC	36.12	30.06	28.40	26.74
528-861SSRA208-DC-1	861SSRA208-DC-1	C	8	SPST-NO	3-32 VDC	24-280 VAC	27.12	22.57	21.32	20.08
528-861SSR115-DD	861SSR115-DD	C	15	SPST-NO	3.5-32 VDC	3-50 VDC	41.62	34.66	32.75	30.83
528-861SSR208-DD	861SSR208-DD	C	8	SPST-NO	3.5-32 VDC	3-150 VDC	45.36	37.76	35.67	33.58

SSRDIN SOLID STATE RELAYS

NEW FROM SUPPLIER

Features:

Integral Heatsink
Finger-Safe Safety Cover
Solid State Circuitry
DIN or Panel Mountable
LED Status Indicator

Specifications:

Typical Input Current: AC - 12 mA; DC - 16 mA
Operating Temperature: –30°C to +80°C
Zero-voltage switching
Leakage Current: 10 mA maximum

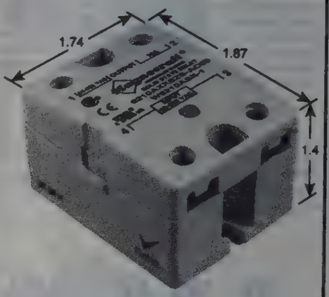
RoHS Compliant

For quantities of 100 and up, call for quote.

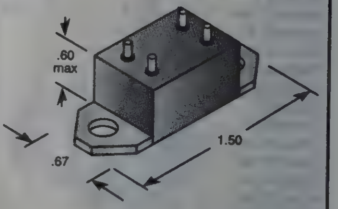
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Rated Load Current	Contact Form	Price Each			
					1	10	25	50
AC Controlled Input, 90-280 VAC with LED Lamp Indicator								
528-SSR210DIN-AC	SSR210DIN-AC	D	24-280 VAC	10A	52.36	43.60	41.19	38.78
528-SSR225DIN-AC	SSR225DIN-AC	D	24-280 VAC	25A	65.16	54.26	51.27	48.27
528-SSR240DIN-AC	SSR240DIN-AC	D	24-280 VAC	40A	79.24	65.97	62.33	58.68
528-SSR610DIN-AC	SSR610DIN-AC	D	48-660 VAC	10A	73.45	61.18	57.80	54.42
528-SSR625DIN-AC	SSR625DIN-AC	D	48-660 VAC	25A	94.60	78.77	74.42	70.07
528-SSR640DIN-AC	SSR640DIN-AC	D	48-660 VAC	40A	112.41	93.60	88.42	83.25
DC Controlled Input, 3-32 VDC with LED Lamp Indicator								
528-SSR210DIN-DC	SSR210DIN-DC	D	24-280 VAC	10A	43.46	36.20	34.20	32.20
528-SSR225DIN-DC	SSR225DIN-DC	D	24-280 VAC	25A	61.27	51.01	48.19	45.37
528-SSR240DIN-DC	SSR240DIN-DC	D	24-280 VAC	40A	79.24	65.97	62.33	58.68
528-SSR610DIN-DC	SSR610DIN-DC	D	48-660 VAC	10A	61.10	50.88	48.07	45.26
528-SSR625DIN-DC	SSR625DIN-DC	D	48-660 VAC	25A	79.02	65.79	62.16	58.52

DIMENSIONS: in.

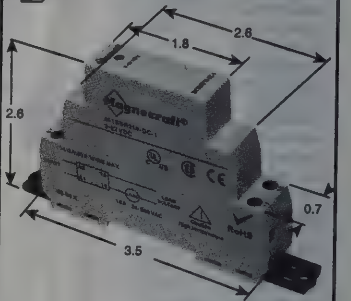
A



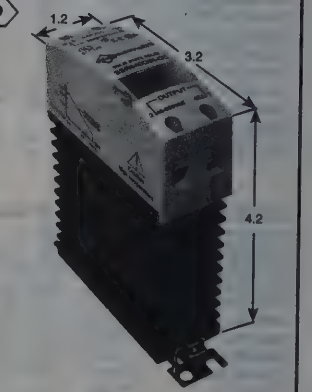
B



C



D



NEC Solid State Relays

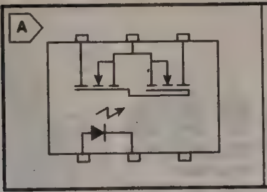
NEC

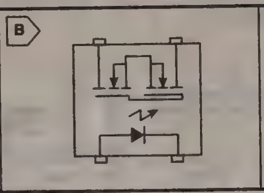
Applications:

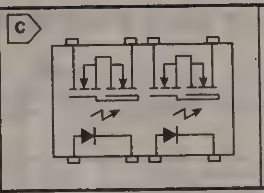
- Measurement equipment
- Exchange equipment
- Voice telephony
- Audio equipment
- Audio instrumentation
- Telecommunications equipment

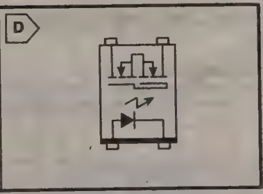
Safety Standards:

- UL = UL Recognized (E72422(S))
- UL/CSA/VDE = UL Recognized (E72422(S)),
- CSA Approved (CA101391) & VDE Recognized









All of these devices are available in leaded and lead-free versions. Lead-free versions are denoted by a "-A" at the end of NEC's part number. Please contact your sales representative if you need assistance.

E72422(S) · CA101391

SOLID STATE RELAYS FOR POWER APPLICATIONS

◆ **Surface Mount Device**

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	RON (Ω)	t_{ON} (ms)	t_{OFF} (ms)	V_L (V)	I_L (mA)	P_D (mW)	Isolation Voltage (Vrms)	Output Type	Price Each			
													1	10	100	1000
High Current, Low RON - 1 Form A																
551-PS710A-1A-A	PS710A-1A-A	A	DIP-6	UL/CSA/VDE	0.1	1.0	0.05	60	1800	560	1500	1a	4.61	4.15	3.84	3.26
551-PS710B-1A-A	PS710B-1A-A	A	DIP-6	UL/CSA/VDE	0.05	2.5	0.05	60	2500	625	1500	1a	7.83	6.89	5.63	4.70
551-PS710E-1A-A	PS710E-1A-A	A	DIP-6	UL/CSA/VDE	0.083	1.0	0.02	80	2000	600	1500	1a	7.88	6.93	5.67	4.73
551-PS7113-1A-A	PS7113-1A-A	A	DIP-6	UL/CSA	0.9	1.3	0.06	100	350	560	1500	1a	3.20	2.88	2.67	2.05
◆ 551-PS7205B-1A-A	PS7205B-1A-A	B	SOP-4	None	0.9	0.18	0.04	80	500	300	1500	1a	6.55	5.76	4.72	3.93
◆ 551-PS7206-1A-A	PS7206-1A-A	B	SOP-4	None	0.6	0.4	0.08	60	600	300	1500	1a	4.25	3.74	3.06	2.55
◆ 551-PS7214-1A-A	PS7214-1A-A	B	SOP-4	None	1	1.3	0.1	100	400	300	1500	1a	4.13	3.63	2.97	2.48
High Current, Low RON - 2 Form A																
551-PS7113-2A-A	PS7113-2A-A	C	DIP-8	UL/CSA	0.9	1.3	0.06	100	350	100	1500	1a + 1a	6.40	5.76	5.33	4.10

SOLID STATE RELAYS FOR TELECOM APPLICATIONS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	RON (Ω)	t_{ON} (ms)	t_{OFF} (ms)	V_L (V)	I_L (mA)	P_D (mW)	Isolation Voltage (Vrms)	Output Type	Price Each			
													1	10	100	1000
250V Load Voltage, 200 mA Load Current																
551-PS7122A-1A-A	PS7122A-1A-A	A	DIP-6	UL/CSA	4.5	0.5	0.004	250	200	560	1500	1a	5.25	4.62	3.78	3.15
551-PS7122A-1B-A	PS7122A-1B-A	A	DIP-6	CSA	4.5	0.004	0.500	250	200	560	1500	1b	4.15	3.65	2.99	2.49
551-PS7122A-2A-A	PS7122A-2A-A	C	DIP-8	UL/CSA	4.5	0.5	0.004	250	200	375	1500	1a + 1a	5.83	5.13	4.19	3.50
551-PS7122A-2B-A	PS7122A-2B-A	C	DIP-8	CSA	4.5	0.004	0.5	250	200	375	1500	1b + 1b	8.75	7.70	6.30	5.25
551-PS7122A-1C-A	PS7122A-1C-A	C	DIP-8	None	4.5	0.5/0.004	0.004/0.5	250	200	375	1500	1a + 1b	6.20	5.46	4.46	3.72
400V Load Voltage, 150-200 mA Load Current																
551-PS7141-1A-A	PS7141-1A-A	A	DIP-6	UL/CSA	20	0.35	0.06	400	150	50	1500	1a	2.50	2.20	1.80	1.50
◆ 551-PS7141L-1A-A	PS7141L-1A-A	A	SOP-6	UL/CSA	20	0.35	0.06	400	150	50	1500	1a	2.22	1.96	1.60	1.33
551-PS7141-1B-A	PS7141-1B-A	A	DIP-6	CSA	20	0.02	0.2	400	150	560	1500	1b	3.23	2.84	2.32	1.94
◆ 551-PS7141L-1B-A	PS7141L-1B-A	A	SOP-6	CSA	20	0.02	0.2	400	150	560	1500	1b	3.38	2.97	2.43	2.03
551-PS7141-2A-A	PS7141-2A-A	C	DIP-8	UL/CSA	20	0.35	0.06	400	150	375	1500	1a + 1a	4.95	4.36	3.56	2.97
◆ 551-PS7141L-2A-A	PS7141L-2A-A	C	SOP-8	UL/CSA	20	0.35	0.06	400	150	375	1500	1a + 1a	3.85	3.39	2.77	2.31
551-PS7141-2B-A	PS7141-2B-A	C	DIP-8	CSA	20	0.02	0.2	400	150	375	1500	1b + 1b	6.33	5.57	4.55	3.80
◆ 551-PS7141L-2B	PS7141L-2B	C	SOP-8	CSA	20	0.02	0.2	400	150	375	1500	1b + 1b	4.20	3.80	3.40	2.80
551-PS7141-1C-A	PS7141-1C-A	C	DIP-8	UL/CSA	20	0.35/0.02	0.06/0.2	400	150	100	1500	1a + 1b	6.78	5.96	4.88	4.07
551-PS7141C-2A-A	PS7141C-2A-A	C	DIP-8	UL/CSA	20	0.6	0.003	400	120	375	1500	1a + 1a	7.43	6.53	5.35	4.46
551-PS7141E-1A-A	PS7141E-1A-A	A	DIP-6	None	37	0.5	0.07	400	120	560	1500	1a	1.75	1.54	1.26	1.05
551-PS7142-1A-A	PS7142-1A-A	A	DIP-6	UL/CSA	6	0.8	0.02	400	200	50	1500	1a	3.10	2.73	2.23	1.86
551-PS7142-1B-A	PS7142-1B-A	A	DIP-6	None	7	0.03	1.1	400	200	560	1500	1b	5.25	4.62	3.78	3.15
551-PS7142-2A-A	PS7142-2A-A	C	DIP-8	UL/CSA	7.5	0.5	0.03	400	200	100	1500	1a + 1a	8.30	7.30	5.98	4.98
551-PS7142-2B-A	PS7142-2B-A	C	DIP-8	None	7	0.03	1.1	400	200	375	1500	1b + 1b	8.75	7.70	6.30	5.25
551-PS7142-1C-A	PS7142-1C-A	C	DIP-8	None	8	0.8/0.03	0.02/1.1	400	200	375	1500	1a + 1b	8.75	7.70	6.30	5.25
◆ 551-PS7241-1A-A	PS7241-1A-A	B	SOP-4	UL/CSA	18	0.5	0.07	400	120	50	1500	1a	2.01	1.77	1.45	1.21
◆ 551-PS7241-1B-A	PS7241-1B-A	B	SOP-4	UL/CSA	21	0.07	0.8	400	120	50	1500	1b	4.80	4.22	3.46	2.88
◆ 551-PS7241-2A-A	PS7241-2A-A	C	SOP-8	CSA	21	0.2	0.02	60	1800	560	1500	1a + 1a	8.75	7.70	6.30	5.25
◆ 551-PS7241-2B-A	PS7241-2B-A	C	SOP-8	CSA	21	0.02	0.1	400	120	180	1500	1b + 1b	5.18	4.55	3.73	3.11
◆ 551-PS7241-1C-A	PS7241-1C-A	C	SOP-8	CSA	21	0.5/0.07	0.07/0.8	400	120	100	1500	1a + 1b	11.03	9,70	7.94	6.62
◆ 551-PS7241E-1A-A	PS7241E-1A-A	B	SOP-4	None	22	0.5	0.07	400	120	300	1500	1a	1.79	1.57	1.29	1.07
551-PS7341-1A-A	PS7341-1A-A	A	DIP-6	UL/CSA/VDE	20	0.35	0.03	400	150	50	3750	1a	2.50	2.20	1.80	1.50
◆ 551-PS7341L-1A-A	PS7341L-1A-A	A	SOP-6	UL/CSA/VDE	20	0.35	0.03	400	150	50	3750	1a	2.50	2.20	1.80	1.50
551-PS7341-1B-A	PS7341-1B-A	A	DIP-6	UL/CSA	20	0.03	0.6	400	200	560	3750	1b	3.93	3.45	2.83	2.36
551-PS7341C-1A-A	PS7341C-1A-A	A	DIP-6	UL/CSA	27	0.55	0.07	400	120	560	3750	1a	3.73	3.28	2.68	2.24
551-PS7342-1A-A	PS7342-1A-A	A	DIP-6	UL/CSA	6	1.2	0.06	400	200	50	3750	1a	4.68	4.11	3.37	2.81
◆ 551-PS7431-1A-A	PS7431-1A-A	B	SOP-4	None	24	0.8	0.07	350	120	310	3000	1a	3.83	3.37	2.75	2.30
600V Load Voltage, 90 mA Load Current																
551-PS7160-1A-A	PS7160-1A-A	A	DIP-6	UL/CSA	50	1.5	0.2	600	90	50	1500	1a	4.80	4.22	3.46	2.88
551-PS7160-2A	PS7160-2A	C	DIP-8	UL/CSA	50	1.5	0.2	600	90	100	1500	1a + 1a	6.49	5.87	5.25	4.33
551-PS7360-1A	PS7360-1A	A	DIP-6	UL/CSA/VDE	50	2.0	0.2	600	90	560	3750	1a	3.38	3.06	2.74	2.25
551-PS7360L-1A-A	PS7360L-1A-A	A	SOP-6	UL/CSA/VDE	50	2.0	0.2	600	90	560	3750	1a	5.38	4.73	3.87	3.23

SOLID STATE RELAYS FOR HIGH FREQUENCY SWITCHING

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	NEC Part No.	Fig.	Package	Safety Standard	RON (Ω)	t_{ON} (ms)	t_{OFF} (ms)	V_L (V)	I_L (mA)	P_D (mW)	Isolation Voltage (Vrms)	Output Type	Price Each			
													1	10	100	1000
Low CxR, Miniature SOP Packages, 1 Form A																
◆ 551-PS7200A-1A-A	PS7200A-1A-A	B	SOP-4	None	9.3	0.01	0.07	40	100	50	1500	1a	5.38	4.73	3.87	3.23
◆ 551-PS7200B-1A-A	PS7200B-1A-A	B	SOP-4	None	1	0.05	0.02	40	250	50	1500	1a	6.65	5.85	4.79	3.99
◆ 551-PS7200E-1A-A	PS7200E-1A-A	B	SOP-4	None	0.8	0.48	0.15	40	250	100	1500	1a	8.40	7.39	6.05	5.04
◆ 551-PS7200H-1A-A	PS7200H-1A-A	B	SOP-4	None	2.2	0.04	0.25	40	160	100	1500	1a	7.55	6.64	5.44	4.53
◆ 551-PS7200K-1A-A	PS7200K-1A-A	B	SOP-4	None	1.1	0.10	0.10	40	200	100	1500	1a	7.55	6.64	5.44	4.53
◆ 551-PS7200R-1A-A	PS7200R-1A-A	B	SOP-4	None	10	0.03	0.30	40	120	200	1500	1a	4.35	3.83	3.13	2.61
Low CxR, Ultra Miniature Packages, 1 Form A																
◆ 551-PS7801-1A-A	PS7801-1A-A	D	MiniFlat-4	None	11.5	0.02	0.15	40	120	310	500	1a	7.83	6.89	5.63	4.70
◆ 551-PS7802-1A-A	PS7802-1A-A	D	MiniFlat-4	None	1.1	0.1	0.08	40	250	100	500	1a	8.75	7.70	6.30	5.25

OMRON SIP Solid State Relays

OMRON G3M SERIES: SIP SOLID STATE RELAYS

Specifications:
- Surge current: 2A output - 30A; 3A & 5A output - 45A
- Dielectric strength: 2A output - 20000VAC; 3A & 5A output 500VAC

Features:
- Thin design for high-density PCB applications
- DC input-AC output up to 5A load

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	Output Load	Zero Cross Function	Price Each			
						1	25	50	100
7.62mm Input terminal pitch									
653-G3M202PUSDC5	G3M-202P-US-DC5	A	5 VDC	2A @ 100-240VAC	Yes	6.54	6.00	5.82	5.45
653-G3M202PUSDC12	G3M-202P-US-DC12	A	12 VDC	2A @ 100-240VAC	Yes	6.54	6.00	5.82	5.45
653-G3M202PUSDC24	G3M-202P-US-DC24	A	24 VDC	2A @ 100-240VAC	Yes	6.54	6.00	5.82	5.45
653-G3M203PDC5	G3M-203P-DC5	A	5 VDC	3A @ 100-240VAC	Yes	9.36	8.58	8.32	7.80
653-G3M203PDC12	G3M-203P-DC12	A	12 VDC	3A @ 100-240VAC	Yes	9.36	8.58	8.32	7.80
653-G3M203PDC24	G3M-203P-DC24	A	24 VDC	3A @ 100-240VAC	Yes	9.36	8.58	8.32	7.80
653-G3M203PLDC24	G3M-203PL-DC24	A	24 VDC	3A @ 100-240VAC	No	9.36	8.58	8.32	7.80
653-G3M205PLDC5	G3M-205PL-DC5	B	5 VDC	5A @ 100-240VAC	No	10.89	9.98	9.68	9.08
653-G3M205PLDC12	G3M-205PL-DC12	B	12 VDC	5A @ 100-240VAC	No	10.89	9.98	9.68	9.08
653-G3M205PLDC24	G3M-205PL-DC24	B	24 VDC	5A @ 100-240VAC	No	10.89	9.98	9.68	9.08
5.08mm Input terminal pitch									
653-G3M202PUS4DC5	G3M-202P-US-4-DC5	A	5 VDC	2A @ 100-240VAC	Yes	6.54	6.00	5.82	5.45
653-G3M202PUS4DC12	G3M-202P-US-4-DC12	A	12 VDC	2A @ 100-240VAC	Yes	6.54	6.00	5.82	5.45

OMRON G3MB SERIES: SUBMINIATURE SIP SOLID STATE RELAYS

Specifications:
- 7.62mm output terminal pitch
- Surge current: 30 A (60 Hz, 1 cycle)
- Leakage current: 5mA @ 100 VAC; 10mA @ 200 VAC
- Rated output load: 2A @ 100-240VAC
- Phototriac isolation

Features:
- Built-in snubber circuit and input resistor
- Dedicated, compact aluminum PCB and power elements used
- No heat sink needed due to mono block lead frame

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	Output Load	Zero Cross Function	Price Each			
						1	25	50	100
653-G3MB-202PL-DC5	G3MB-202PL-DC5	C	5 VDC	2A @ 100-240 VAC	No	3.86	3.53	3.36	3.11
653-G3MB-202PLDC12	G3MB-202PL-DC12	C	12 VDC	2A @ 100-240 VAC	No	3.86	3.53	3.36	3.11
653-G3MB-202PLDC24	G3MB-202PL-DC24	C	24 VDC	2A @ 100-240 VAC	No	4.54	4.15	3.95	3.65
653-G3MB-202P-DC5	G3MB-202P-DC5	C	5 VDC	2A @ 100-240 VAC	Yes	4.27	3.90	3.71	3.43
653-G3MB-202P-DC12	G3MB-202P-DC12	C	12 VDC	2A @ 100-240 VAC	Yes	4.05	3.70	3.53	3.26
653-G3MB-202P-DC24	G3MB-202P-DC24	C	24 VDC	2A @ 100-240 VAC	Yes	5.01	4.58	4.36	4.03

OMRON G3MC SERIES: COMPACT SIP SOLID STATE RELAYS

Specifications:
- Surge current: 1A output - 8A; 2A output - 30A
- Dielectric strength: 2500VAC

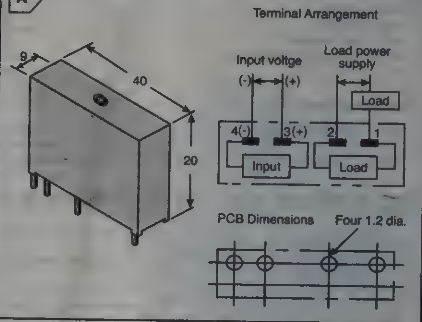
Features:
- Built-in snubber circuit
- Smaller footprint (20% smaller than G3MB)
- Compact thin-profile of monoblock construction with an all-in-one frame incorporates a PCB, terminals, and a heatsink

For quantities of 500 and up, call for quote.

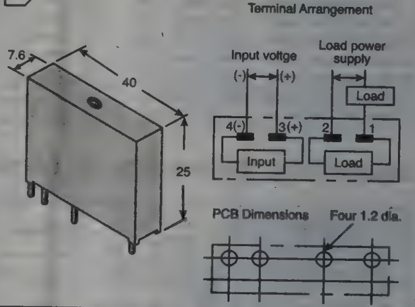
MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	Output Load	Zero Cross Function	Price Each			
						1	25	50	100
653-G3MC-101P-DC5	G3MC-101P-DC5	D	5 VDC	1A @ 100-120VAC	Yes	3.76	3.50	3.32	3.15
653-G3MC-101P-DC12	G3MC-101P-DC12	D	12 VDC	1A @ 100-120VAC	Yes	3.76	3.50	3.32	3.15
653-G3MC-101P-DC24	G3MC-101P-DC24	D	24 VDC	1A @ 100-120VAC	Yes	3.76	3.50	3.32	3.15
653-G3MC-101PL-DC5	G3MC-101PL-DC5	D	5 VDC	1A @ 100-120VAC	No	3.45	3.21	3.05	2.88
653-G3MC101PL-DC12	G3MC-101PL-DC12	D	12 VDC	1A @ 100-120VAC	No	3.45	3.21	3.05	2.88
653-G3MC101PL-DC24	G3MC-101PL-DC24	D	24 VDC	1A @ 100-120VAC	No	3.45	3.21	3.05	2.88
653-G3MC-201P-DC5	G3MC-201P-DC5	D	5 VDC	1A @ 100-240VAC	Yes	3.98	3.70	3.52	3.33
653-G3MC-201P-DC12	G3MC-201P-DC12	D	12 VDC	1A @ 100-240VAC	Yes	3.98	3.70	3.52	3.33
653-G3MC-201P-DC24	G3MC-201P-DC24	D	24 VDC	1A @ 100-240VAC	Yes	3.98	3.70	3.52	3.33
653-G3MC-201PL-DC5	G3MC-201PL-DC5	D	5 VDC	1A @ 100-240VAC	No	3.67	3.41	3.24	3.07
653-G3MC201PL-DC12	G3MC-201PL-DC12	D	12 VDC	1A @ 100-240VAC	No	3.67	3.41	3.24	3.04
653-G3MC201PL-DC24	G3MC-201PL-DC24	D	24 VDC	1A @ 100-240VAC	No	3.67	3.41	3.24	3.04
653-G3MC-202P-DC5	G3MC-202P-DC5	E	5 VDC	2A @ 100-240VAC	Yes	4.69	4.36	4.14	3.93
653-G3MC-202P-DC12	G3MC-202P-DC12	E	12 VDC	2A @ 100-240VAC	Yes	4.69	4.36	4.14	3.93
653-G3MC-202P-DC24	G3MC-202P-DC24	E	24 VDC	2A @ 100-240VAC	Yes	4.69	4.36	4.14	3.93
653-G3MC-202PL-DC5	G3MC-202PL-DC5	E	5 VDC	2A @ 100-240VAC	No	4.69	4.36	4.14	3.93
653-G3MC202PL-DC12	G3MC-202PL-DC12	E	12 VDC	2A @ 100-240VAC	No	4.69	4.36	4.14	3.93
653-G3MC202PL-DC24	G3MC-202PL-DC24	E	24 VDC	2A @ 100-240VAC	No	4.69	4.36	4.14	3.93

DIMENSIONS: mm

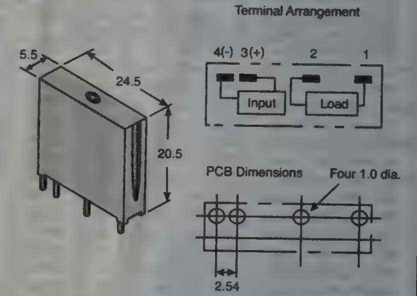
A



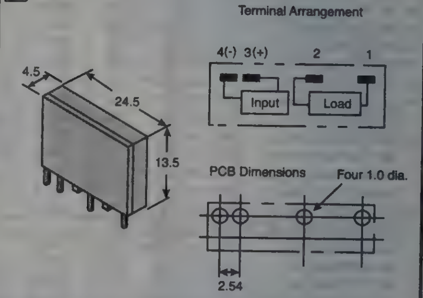
B



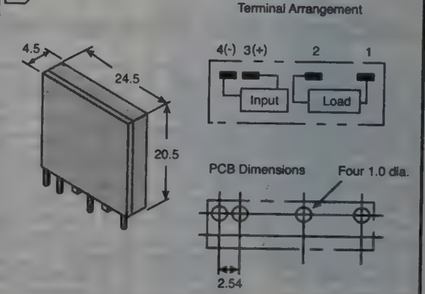
C



D



E

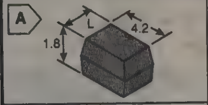


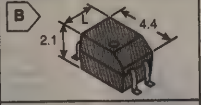
OMRON MOSFET Relays

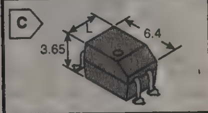
OMRON
ELECTRONIC COMPONENTS

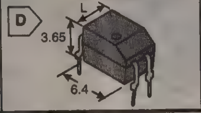
RoHS Compliant **This page of product is compliant.**

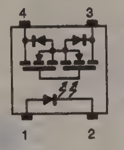
DIMENSIONS: mm



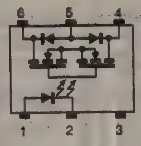




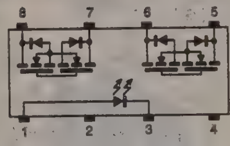




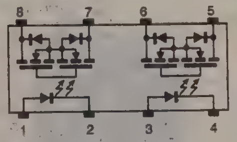
4-pin SPST-NO
4-pin SPST-NC



6-pin SPST-NO
6-pin SPST-NC



8 Pin SPST-NO



8 Pin DPST-NO
8 Pin DPST-NC

OMRON G3VM SERIES: MOSFET RELAYS

Features:

- Industry's smallest MOSFET relays
- Solid state technology means hundreds of millions of operations
- Cast in white mold resin which reflects more light from the LED back to the MOSFET driver than black resin. White resin also dissipates heat better than black resin, so relays can be placed closer together on the board.
- G3VM-3FL has a current limiting feature

Applications:

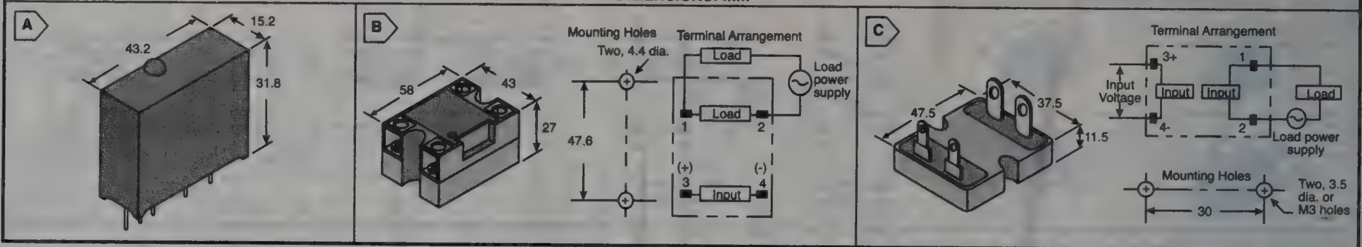
- Automated test equipment
- Communications
- Security
- Medical ultrasound equipment
- Automotive diagnostic equipment

An independent firm ran a test on the only part of the G3VM that could waver in performance - the LED. After simulated operation of 100,000 hours (equivalent to 11+ years!) the G3VM was still operating successfully!

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dim. L	No. Pins	Contact Form	Package Style	Voltage Withstand	ON res. (Max.)	Output Capacitance	Load Current	Load Voltage	Price Each			
												1	25	50	100
653-G3VM-21LR	G3VM-21LR	A	2.04	4	SPST-NO	SSOP	1500 VAC	8 Ω	12 pF max.	150 mA	20 V	15.60	14.51	13.78	13.42
653-G3VM-21LR1	G3VM-21LR1	A	2.04	4	SPST-NO	SSOP	1500 VAC	1.5 Ω	12 pF max.	300 mA	20 V	15.60	14.51	13.78	13.42
653-G3VM-21GR	G3VM-21GR	B	3.9	4	SPST-NO	SOP	1500 VAC	8 Ω	2.5 pF max.	160 mA	20 V	4.77	4.44	4.21	4.10
653-G3VM-21GR1	G3VM-21GR1	B	3.9	4	SPST-NO	SOP	1500 VAC	1.5 Ω	12 pF max.	300 mA	20 V	4.06	3.78	3.59	3.49
653-G3VM-41LR3	G3VM-41LR3	A	2.04	4	SPST-NO	SSOP	1500 VAC	35 Ω	1.4 pF max.	80 mA	40 V	15.60	14.51	13.78	13.42
653-G3VM-41LR4	G3VM-41LR4	A	2.04	4	SPST-NO	SSOP	1500 VAC	3 Ω	7 pF max.	250 mA	40 V	11.25	10.88	10.51	9.79
653-G3VM-41LR5	G3VM-41LR5	A	2.04	4	SPST-NO	SSOP	1500 VAC	1.5 Ω	14 pF max.	300 mA	40 V	13.27	12.35	11.73	11.42
653-G3VM-41LR6	G3VM-41LR6	A	2.04	4	SPST-NO	SSOP	1500 VAC	15 Ω	2 pF max.	120 mA	40 V	15.60	14.51	13.78	13.42
653-G3VM-41GR5	G3VM-41GR5	B	3.9	4	SPST-NO	SOP	1500 VAC	1.5 Ω	14 pF max.	300 mA	40 V	4.77	4.44	4.21	4.10
653-G3VM-41GR6	G3VM-41GR6	B	3.9	4	SPST-NO	SOP	1500 VAC	15 Ω	2 pF max.	120 mA	40 V	4.77	4.44	4.21	4.10
653-G3VM-S1	G3VM-S1	B	3.9	4	SPST-NO	SOP	1500 VAC	2 Ω	140 pF max.	400 mA	60 V	4.36	4.05	3.85	3.75
653-G3VM-61G1	G3VM-61G1	B	3.9	4	SPST-NO	SOP	1500 VAC	2 Ω	130 pF typ.	400 mA	60 V	3.92	3.65	3.46	3.37
653-G3VM-401H	G3VM-401H	B	6.3	6	SPST-NO	SOP	1500 VAC	35Ω	0.8pF typ.	120mA	400 V	3.80	3.54	3.36	3.27
653-G3VM-61H1	G3VM-61H1	B	6.3	6	SPST-NO	SOP	1500 VAC	2 Ω	130 pF typ.	400 mA	60 V	3.58	3.33	3.16	3.08
653-G3VM-62J1	G3VM-62J1	B	9.4	8	SPST-NO	SOP	1500 VAC	2 Ω	130 pF typ.	400 mA	60 V	6.79	6.32	6.00	5.84
653-G3VM-VF	G3VM-VF	C	7.12	6	SPST-NO	SMT	2500 VAC	2 Ω	170 pF typ.	300 mA	60 V	2.94	2.73	2.59	2.53
653-G3VM-61D1	G3VM-61D1	C	4.58	4	SPST-NO	SMT	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	3.04	2.83	2.69	2.62
653-G3VM-61E1	G3VM-61E1	C	7.12	6	SPST-NO	SMT	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	3.72	3.46	3.29	3.20
653-G3VM-62F1	G3VM-62F1	C	9.66	8	SPST-NO	SMT	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	5.66	5.26	5.00	4.87
653-G3VM-61A1	G3VM-61A1	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	3.58	3.33	3.16	3.08
653-G3VM-V	G3VM-V	D	7.12	6	SPST-NO	Thru-hole	2500 VAC	2 Ω	170 pF typ.	300 mA	60 V	2.94	2.73	2.59	2.53
653-G3VM-61B1	G3VM-61B1	D	7.12	6	SPST-NO	Thru-hole	2500 VAC	2 Ω	130 pF typ.	500 mA	60 V	3.58	3.33	3.16	3.08
653-G3VM-81HR	G3VM-81HR	B	6.3	6	SPST-NO	SOP	1500 VAC	0.15 Ω	1000 pF max.	1250 mA	80 V	18.08	16.82	15.98	15.56
653-G3VM-S5	G3VM-S5	B	3.9	4	SPST-NO	SOP	1500 VAC	8 Ω	1000 pF max.	150 mA	200 V	3.39	3.15	2.99	2.91
653-G3VM-S2	G3VM-S2	B	3.9	4	SPST-NO	SOP	1500 VAC	35 Ω	75 pF typ.	120 mA	350 V	3.31	3.08	2.89	2.76
653-G3VM-351G	G3VM-351G	B	3.9	4	SPST-NO	SOP	1500 VAC	35 Ω	30 pF typ.	110 mA	350 V	3.92	3.64	3.46	3.37
653-G3VM-351H	G3VM-351H	B	6.3	6	SPST-NO	SOP	1500 VAC	35 Ω	30 pF typ.	110 mA	350 V	5.51	5.13	4.87	4.74
653-G3VM-S3	G3VM-S3	B	6.3	6	SPST-NO	SOP	1500 VAC	35 Ω	75 pF typ.	120 mA	350 V	3.12	2.90	2.76	2.68
653-G3VM-SY	G3VM-SY	B	9.4	8	DPST-NO	SOP	1500 VAC	2 Ω	140 pF max.	300 mA	350 V	7.54	7.01	6.66	6.49
653-G3VM-352J	G3VM-352J	B	9.4	8	DPST-NO	SOP	1500 VAC	35 Ω	30 pF typ.	110 mA	350 V	3.22	3.11	3.01	2.80
653-G3VM-2F	G3VM-2F	C	4.58	4	SPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.83	1.70	1.62	1.57
653-G3VM-351D	G3VM-351D	C	4.58	4	SPST-NO	SMT	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	3.20	2.98	2.83	2.75
653-G3VM-353D	G3VM-353D	C	4.58	4	SPST-NC	SMT	2500 VAC	25 Ω	100 pF typ.	150 mA	350 V	8.57	7.98	7.58	7.38
653-G3VM-351B	G3VM-351B	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	3.05	2.84	2.70	2.63
653-G3VM-351E	G3VM-351E	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	3.10	2.89	2.74	2.67
653-G3VM-3F	G3VM-3F	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.83	1.70	1.62	1.57
653-G3VM-3FL	G3VM-3FL	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	2.19	2.04	1.94	1.89
653-G3VM-353E	G3VM-353E	C	7.12	6	SPST-NC	SMT	2500 VAC	25 Ω	100 pF typ.	150 mA	350 V	8.66	8.06	7.65	7.45
653-G3VM-WF	G3VM-WF	C	9.66	8	DPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	3.70	3.44	3.27	3.18
653-G3VM-352F	G3VM-352F	C	9.66	8	DPST-NO	SMT	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	4.46	4.15	3.94	3.84
653-G3VM-354F	G3VM-354F	C	9.66	8	DPST-NC	SMT	2500 VAC	35 Ω	100 pF typ.	120 mA	350 V	13.05	12.61	11.77	11.35
653-G3VM-351A	G3VM-351A	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	3.10	2.89	2.74	2.67
653-G3VM-2	G3VM-2	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.83	1.70	1.62	1.57
653-G3VM-353A	G3VM-353A	D	4.58	4	SPST-NC	Thru-hole	2500 VAC	25 Ω	100 pF typ.	150 mA	350 V	8.66	8.06	7.65	7.45
653-G3VM-3	G3VM-3	D	7.12	6	SPST-NO	Thru-hole	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	1.83	1.70	1.62	1.57
653-G3VM-353B	G3VM-353B	D	7.12	6	SPST-NC	Thru-hole	2500 VAC	25 Ω	100 pF typ.	150 mA	350 V	8.50	7.91	7.51	7.31
653-G3VM-352C	G3VM-352C	D	9.66	8	DPST-NO	Thru-hole	2500 VAC	35 Ω	30 pF typ.	120 mA	350 V	4.47	4.15	3.95	3.84
653-G3VM-W	G3VM-W	D	9.66	8	DPST-NO	Thru-hole	2500 VAC	35 Ω	75 pF typ.	120 mA	350 V	3.70	3.44	3.27	3.18
653-G3VM-354C	G3VM-354C	D	9.66	8	DPST-NC	Thru-hole	2500 VAC	25 Ω	100 pF typ.	120 mA	350 V	12.85	12.43	11.60	11.19
653-G3VM-401G	G3VM-401G	B	3.9	4	SPST-NO	SOP	1500 VAC	35 Ω	70 pF typ.	120 mA	400 V	4.10	3.82	3.63	3.53
653-G3VM-402J	G3VM-402J	B	9.4	8	DPST-NO	SOP	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	6.58	6.12	5.81	5.66
653-G3VM-401D	G3VM-401D	C	4.58	4	SPST-NO	SMT	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	4.56	4.24	4.03	3.92
653-G3VM-401E	G3VM-401E	C	7.12	6	SPST-NO	SMT	2500 VAC	35 Ω	75 pF typ.	120 mA	400 V	4.56	4.24	4.03	3.92
653-G3VM-401EY	G3VM-401EY	C	7.12	6	SPST-NO	SMT	5000 VAC	35 Ω	75 pF typ.	120 mA	400 V	4.91	4.57	4.34	4.23
653-G3VM-402F	G3VM-402F	C	9.66	8	DPST-NO	SMT	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	6.58	6.12	5.81	5.66
653-G3VM-401A	G3VM-401A	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	4.56	4.24	4.03	3.92
653-G3VM-401B	G3VM-401B	D	7.12	6	SPST-NO	Thru-hole	2500 VAC	35 Ω	75 pF typ.	120 mA	400 V	3.45	3.17	3.07	2.86
653-G3VM-401BY	G3VM-401BY	D	7.12	6	SPST-NO	Thru-hole	5000 VAC	35 Ω	75 pF typ.	120 mA	400 V	4.78	4.45	4.22	4.11
653-G3VM-402C	G3VM-402C	D	9.66	8	DPST-NO	Thru-hole	2500 VAC	35 Ω	70 pF typ.	120 mA	400 V	6.58	6.12	5.82	5.66
653-G3VM-601EY	G3VM-601EY	C	7.12	6	SPST-NO	SMT	5000 VAC	35 Ω	100 pF typ.	100 mA	600 V	8.87	8.25	7.84	7.63
653-G3VM-601BY	G3VM-601BY	D	7.12	6	SPST-NO	Thru-hole	5000 VAC	45 Ω	100 pF typ.	100 mA	600 V	8.66	8.05	7.65	7.45
653-G3VM-22CO	G3VM-22CO	D	9.66	8	DPST-NO	Thru-hole	2500 VAC	4	8 pF typ.	150 mA	20 V	8.24	7.75	7.16	6.39
653-G3VM-201G	G3VM-201G	B	3.90	4	SPST-NO	SOP	1500 VAC	50	15 pF typ.	40 mA	200 V	6.43	6.04	5.59	4.98
653-G3VM-202J1	G3VM-202J1	B	9.40	8	DPST-NO	SOP	1500 VAC	8	100 pF typ.	200 mA	200 V	6.43	6.04	5.59	4.98
653-G3VM-353A1	G3VM-353A1	D	4.58	4	SPST-NC	DIP4	2500 VAC	50	.8 pF typ.	100 mA	350 V	4.47	4.20	3.89	3.47
653-G3VM-353D1	G3VM-353D1	C	4.58	4	SPST-NC	DIP4	2500 VAC	50	.8 pF typ.	100 mA	350 V	4.53	4.26	3.94	3.51
653-G3VM-353G1	G3VM-353G1	B	3.90	4	SPST-NC	SOP4	1500 VAC	50	.8 pF typ.	90 mA	350 V	5.25	4.93	4.56	4.07
653-G3VM-354C1	G3VM-354C1	D	9.66	8	DPST-NC	DIP8	2500 VAC	50	.8 pF typ.	100 mA	350 V	8.95	8.41	7.78	6.94
653-G3VM-354F1	G3VM-354F1	C	9.66	8	DPST-NC	DIP8	2500 VAC	50	.8 pF typ.	100 mA	350 V	9.01	8.47	7.83	6.99
653-G3VM-354J1	G3VM-354J1	B	9.40	8	DPST-NC	SOP8	1500 VAC	50	.8 pF typ.	90 mA	350 V	10.44	9.82	9.08	8.10
653-G3VM-201H1	G3VM-201H1	B	6.30	6	SPST-NO	SOP	1500 VAC	8	100 pF typ.	200 mA	200 V	3.93	3.70	3.42	3.05
653-G3VM-353B1	G3VM-353B1	D	7.12	6	SPST-NC	DIP6	2500 VAC	50	.8 pF typ.	100 mA	350 V	4.83	4.54	4.20	3.74
653-G3VM-353E1	G3VM-353E1	C	7.12	6	SPST-NC	DIP6	2500 VAC	50	.8 pF typ.	100 mA	350 V	4.95	4.65	4.30	3.84
653-G3VM-353H1	G3VM-353H1	B	6.30	6	SPST-NC	SOP6	1500 VAC	50	.8 pF typ.	90 mA	350 V	5.60	5.27	4.87	4.34
653-G3VM-62C1	G3VM-62C1	D	9.66	8	DPST-NO	Thru-hole	2500 VAC	2	130 pF typ.	500 mA	60 V	5.59	5.26	4.86	4.34
653-G3VM-81G1	G3VM-81G1	B	3.90	4	SPST-NO	SOP	1500 VAC	1.2	.8 pF typ.	350 mA	80 V	8.21	7.72	7.14	6.37
653-G3VM-2L	G3VM-2L	D	4.58	4	SPST-NO	Thru-hole	2500 VAC	35	40 pF typ.	120 mA	350 V	3.51	3.30	3.05	2.72
653-G3VM-21LR10	G3VM-21LR10	A	3.65	4	SPST-NO	SSOP	1500 VAC	5	.8 pF typ.	200 mA	20 V	19.62	17.10	15.82	14.11
653-G3VM-41LR10	G3VM-41LR10	A	3.65	4	SPST-NO	SSOP	1500 VAC	14	.3 pF typ.	120 mA	40 V	18.20	17.10	15.82	14.11
653-G3VM-41LR11	G3VM-41LR11	A	3.65	4	SPST-NO	SSOP	1500 VAC	10	.3 pF typ.	140 mA	40 V	18.20	17.10	15.82	14.11
653-G3VM-61LR	G3VM-61LR	A	3.65	4	SPST-NO	SSOP	1500 VAC	1.5	.3 pF typ.	400 mA	60 V	16.25	15.28	14.13	12.60
653-G3VM-81LR	G3VM-81LR	A	3.65	4	SPST-NO	SSOP	1500 VAC	12	.8 pF typ.	120 mA	80 V	16.14	15.17	14.03	12.52
653-G3VM-81GR1	G3VM-81GR1	B	3.90	4	SPST-NO	SOP	1500 VAC	8	.7 pF typ.	200 mA	80 V	10.16	8.13	7.52	6.71
653-G3VM-81GR	G3VM-81GR	B	4.20	4	SPST-NO	SOP	1500 VAC	25	.7 pF typ.	40 mA	80 V	10.16	8.13	7.52	6.71

DIMENSIONS: mm



OMRON G3TC SERIES: SOLID STATE RELAYS I/O MODULES

Features:

- Zero cross function on AC models
- AC and DC versions incorporate a rectifier to accept both AC or DC inputs
- Use I/O SSRs as an interface between logic circuitry and the load
- Industry standard footprint and color coding
- Built-in hold down screw fastens relay to board to eliminate loosening by vibration

Input Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Color	Input	Input Operating Voltage Range	Logic Level Output Supply Voltage	Price Each			
							1	25	50	100
653-G3TC-IAC15-A120	G3TC-IAC15-AC/DC120	A	Yellow	AC	90-140 VDC/AC	15 VDC	10.28	9.71	9.14	8.57
653-G3TC-IAC5A-A240	G3TC-IAC5A-AC/DC240	A	Yellow	AC	180-280 VDC/AC	5 VDC	11.34	10.71	10.08	9.45
653-G3TC-IDC5-D24	G3TC-IDC5-DC/AC24	A	White	DC	10-32 VDC/AC	5 VDC	10.18	9.62	9.05	8.48
653-G3TC-IDC15-D24	G3TC-IDC15-DC/AC24	A	White	DC	10-32 VDC/AC	15 VDC	10.18	9.62	9.05	8.48
653-G3TC-IDC24-D24	G3TC-IDC24-DC/AC24	A	White	DC	10-32 VDC/AC	24 VDC	10.18	9.62	9.05	8.48

Output Modules

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Color	Output	Rated Input Voltage	Rated Output Voltage	Price Each			
							1	25	50	100
653-G3TC-OAC5-DC5	G3TC-OAC5-DC5	A	Black	AC	5 VDC	3 A @ 120 VAC	10.68	10.09	9.50	8.90
653-G3TC-OAC15-DC15	G3TC-OAC15-DC15	A	Black	AC	15 VDC	3 A @ 120 VAC	10.68	10.09	9.50	8.90
653-G3TC-OAC24-DC24	G3TC-OAC24-DC24	A	Black	AC	24 VDC	3 A @ 120 VAC	10.68	10.09	9.50	8.90
653-G3TC-OAC5A-DC5	G3TC-OAC5A-DC5	A	Black	AC	5 VDC	3 A @ 240 VAC	11.34	10.71	10.08	9.45
653-G3TC-ODC5-DC5	G3TC-ODC5-DC5	A	Red	DC	5 VDC	3 A @ 60 VDC	10.79	10.19	9.59	8.99
653-G3TC-ODC15-DC15	G3TC-ODC15-DC15	A	Red	DC	15 VDC	3 A @ 60 VDC	10.79	10.19	9.59	8.99
653-G3TC-ODC24-DC24	G3TC-ODC24-DC24	A	Red	DC	24 VDC	3 A @ 60 VDC	10.79	10.19	9.59	8.99
653-G3TC-ODC5A-DC5	G3TC-ODC5A-DC5	A	Red	DC	5 VDC	1 A @ 200 VDC	11.69	11.04	10.39	9.74

OMRON G3NA SERIES: 5-40A SOLID STATE RELAY

Specifications:

- Zero cross function
- Leakage current: 5mA @ 100 VAC; 10mA @ 200 VAC

*** Output load is rated with use of heat sink.**

Features:

- Built-in MOV to absorb external surges
- Operation indicator (red LED) for monitoring operation
- Protective cover

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	* Rated Load	Isolation	Price Each			
						1	25	50	100
AC Operated									
653-G3A-205B-AC1	G3NA-205B-AC100-120	B	100-200 VAC	5 A	Photocoupler	16.76	15.77	14.79	13.80
653-G3A-205B-AC2	G3NA-205B-AC200-240	B	200-240 VAC	5 A	Photocoupler	16.76	15.77	14.79	13.80
653-G3A-210B-AC1	G3NA-210B-AC100-120	B	100-200 VAC	10 A	Photocoupler	17.11	16.11	15.10	14.09
653-G3A-210B-AC2	G3NA-210B-AC200-240	B	200-240 VAC	10 A	Photocoupler	17.11	16.11	15.10	14.09
653-G3A-225B-AC1	G3NA-225B-AC100-120	B	100-200 VAC	25 A	Photocoupler	21.34	20.09	18.83	17.58
653-G3A-225B-AC2	G3NA-225B-AC200-240	B	200-240 VAC	25 A	Photocoupler	21.34	20.09	18.83	17.58
653-G3A-240B-AC1	G3NA-240B-AC100-120	B	100-200 VAC	40 A	Phototriac	30.77	28.96	27.15	25.34
653-G3A-240B-AC2	G3NA-240B-AC200-240	B	200-240 VAC	40 A	Phototriac	30.77	28.96	27.15	25.34
DC Operated									
653-G3A-205B-DC5	G3NA-205B-DC5-24	B	5-24 VDC	5 A	Phototriac	12.61	11.87	11.13	10.39
653-G3A-210B-DC5	G3NA-210B-DC5-24	B	5-24 VDC	10 A	Photocoupler	12.99	12.89	12.85	12.82
653-G3A-225B-DC5	G3NA-225B-DC5-24	B	5-24 VDC	25 A	Photocoupler	15.82	14.89	13.96	13.03
653-G3A-240B-DC5	G3NA-240B-DC5-24	B	5-24 VDC	40 A	Phototriac	27.60	25.97	24.35	22.73
Heat Sinks		Description							
653-Y92B-A100	Y92B-A100	Standard mount for 5, 10 and 40 A relays				11.61	10.93	10.24	9.56
653-Y92B-A150N	Y92B-A150N	Standard mount for 25 and 40 A relays				14.93	14.05	13.17	12.29
653-Y92B-N50	Y92B-N50	Track mount for 5 and 10 A relays				9.23	8.69	8.15	7.60
653-Y92B-N150	Y92B-N150	Track mount for 25 and 40 A relays				20.37	19.17	17.98	16.78
Mounting Track and Accessories									
653-R99-11	R99-11	Mounting bracket for G3NA-240B				3.57	3.36	3.15	2.94
653-PFP-50N	PFP-50N	DIN rail track, 50cm (1.64 ft.)				5.86	5.52	5.17	4.83
653-PFP-100N	PFP-100N	DIN rail track, 1 m (3.28 ft.)				6.56	5.60	5.15	4.65
653-PFP-S	PFP-S	Spacer				.35	.33	.31	.29
653-PFP-M	PFP-M	End cap				.52	.49	.46	.43
653-R9912FORG3NA	R99-12 FOR G3NA	One-touch mounting plates				17.85	16.80	15.75	14.70

OMRON G3NE SERIES: COMPACT 5-20A SOLID STATE RELAYS

Specifications:

- Zero cross function
- Leakage current: 5mA @ 100VAC; 10mA @ 200VAC

*** Output load is rated with use of heat sink.**

Features:

- Built-in MOV to absorb external surges
- Dedicated, compact aluminum PCB and power elements used
- Quick-connect #110 input terminals and #250 output connections

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Voltage	* Rated Load	Isolation	Price Each			
						1	25	50	100
653-G3E-210T-US5	G3NE-210T-US-DC5	C	5 VDC	0.1-10 A	Phototriac	11.29	10.62	9.96	9.29
653-G3E-220T-US5	G3NE-220T-US-DC5	C	5 VDC	0.1-20 A	Phototriac	13.32	12.54	11.76	10.97
653-G3E-210T-US12	G3NE-210T-US-DC12	C	12 VDC	0.1-10 A	Phototriac	12.02	11.32	10.61	9.90
653-G3E-220T-US12	G3NE-220T-US-DC12	C	12 VDC	0.1-20 A	Phototriac	14.08	13.25	12.42	11.59
653-G3E-210T-US24	G3NE-210T-US-DC24	C	24 VDC	0.1-10 A	Phototriac	11.38	10.71	10.04	9.37
653-G3E-220T-US24	G3NE-220T-US-DC24	C	24 VDC	0.1-20 A	Phototriac	13.32	12.54	11.76	10.97
Heat Sinks		Description							
653-Y92B-N50	Y92B-N50	Track mount for 10 A relays				9.23	8.69	8.15	7.60
653-Y92B-N150	Y92B-N150	Track mount for 20 A relays				20.37	19.17	17.98	16.78

Tyco Electronics P&B SLIM LINE AND STANDARD I/O MODULES

Specifications:
- Form: SPST-NO

Features:
- Color coded by function

** Zero voltage turn-on

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Case Color	Function	Input Voltage	Output	Price Each			
							1	25	50	100
655-IACM-5	IACM-5	A	Yellow case	AC input	90-140 VAC/VDC	5 VDC	12.64	11.38	10.12	9.48
655-IDCM-5	IDCM-5	A	White case	DC input	3.3-32 VDC	5 VDC	10.22	9.09	7.95	7.38
** 655-OACM-5	OACM-5	A	Black case	AC input	5 VDC	3A, 24-280 VAC	12.17	11.56	10.95	10.34
** 655-OACM-5H	OACM-5H	A	Black case	AC output	5 VDC	5A, 24-280 VAC	12.33	10.96	9.59	8.91
** 655-OACM-UH	OACM-UH	A	Black case	AC output	3-15 VDC	5A, 24-280 VAC	14.68	13.95	13.21	12.48
655-ODCM-5	ODCM-5	A	Red case	DC output	5 VDC	3A, 3-60 VDC	12.53	11.91	11.28	10.65
655-IAC-5	IAC-5	B	Yellow case	AC input	90-140 VAC/VDC	5 VDC	12.17	11.56	10.95	10.34
655-IAC-15	IAC-15	B	Yellow case	AC input	90-140 VAC/VDC	15 VDC	12.84	12.20	11.56	10.92
655-IDC-5	IDC-5	B	White case	DC input	3.3-32 VDC	5 VDC	12.17	11.56	10.95	10.34
** 655-OAC-5	OAC-5	B	Black case	AC output	5 VDC	3A, 24-280 VAC	8.70	8.30	7.90	7.60
655-OAC-5A	OAC-5A	B	Black case	AC output	5 VDC	3A, 24-280 VAC	10.22	9.09	7.95	7.38
** 655-OAC-15	OAC-15	B	Black case	AC output	15 VDC	3A, 24-280 VAC	10.78	9.58	8.39	7.79
** 655-OAC-5H	OAC-5H	B	Black case	AC output	5 VDC	5A, 24-280 VAC	14.68	13.95	13.21	12.48
655-ODC-5	ODC-5	B	Red case	DC output	5 VDC	3A, 3-60 VDC	12.17	11.56	10.95	10.34
655-ODC-24	ODC-24	B	Red case	DC output	24 VDC	3A, 3-60 VDC	12.84	12.20	11.56	10.92

Tyco Electronics P&B SSR SERIES: PAIRED SCR OUTPUT "HOCKEY PUCK" SOLID STATE RELAY

Specifications:
- Form: SPST-NO
- Inverse parallel SCR output

Features:
- LED Indicator
- Floating terminal design

* Maximum output when mounted to heatsink

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Input Voltage	Line Voltage	Maximum Output *	Options	Price Each			
							1	10	25	50
AC Input										
655-SSR-240A25	SSR-240A25	C	90-280 VAC	24-240 VAC	.1-25 A rms	Zero voltage turn-on	44.39	42.17	39.95	37.73
655-SSR-240A50	SSR-240A50	C	90-280 VAC	24-240 VAC	.1-50 A rms	Zero voltage turn-on	61.53	58.45	55.37	52.30
DC Input										
655-SSR-240D25	SSR-240D25	C	3-32 VDC	24-240 VAC	.1-25 A rms	Zero voltage turn-on	38.62	36.69	34.76	32.83
655-SSR-240D25R	SSR-240D25R	C	3-32 VDC	24-240 VAC	.1-25 A rms	Random turn-on	40.93	38.89	36.84	34.79
655-SSR-240D50	SSR-240D50	C	3-32 VDC	24-240 VAC	.1-50 A rms	Zero voltage turn-on	42.50	40.00	35.00	32.50
655-SSR-480D125	SSR-480D125	C	3-32 VDC	48-660 VAC	.1-125 A rms	Zero voltage turn-on	83.66	79.48	75.29	71.11

Tyco Electronics P&B SSRT SERIES: SNUBBERLESS TRIAC OUTPUT "HOCKEY PUCK" SOLID STATE RELAY

Specifications:
- Form: SPST-NO
- Low cost snubberless triac outputs

Features:
- LED Indicator
- Floating terminal design

* Maximum output when mounted to heatsink

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Input Voltage	Line Voltage	Maximum Output*	Input Current (max.)	Price Each			
							1	10	25	50
AC Input										
655-SSRT-240A10	SSRT-240A10	C	90-280 VAC linear	24-280 VAC	.1-10 A rms	8.5mA	32.44	30.82	29.20	27.58
655-SSRT-240A25	SSRT-240A25	C	90-280 VAC linear	24-280 VAC	.1-25 A rms	8.5mA	31.84	29.97	26.22	24.35
DC Input										
655-SSRT-240D10	SSRT-240D10	C	3-32 VDC constant current	24-280 VAC	.1-10 A rms	14mA	29.07	27.61	26.16	24.71
655-SSRT-240D25	SSRT-240D25	C	3-32 VDC constant current	24-280 VAC	.1-25 A rms	14mA	29.01	27.56	26.11	24.66

Tyco Electronics P&B SSRD SERIES: DUAL AC OUTPUT "HOCKEY PUCK" SOLID STATE RELAY

Specifications:
- Form: 2 SPST-NO
- Inverse parallel SCR outputs

Features:
- Two independent AC output solid state relays in one standard package
- Quick connect style terminals

* Maximum output when mounted to heatsink

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Input Voltage	Line Voltage	Maximum Output*	Options	Price Each			
							1	10	25	50
655-SSRD-240D25	SSRD-240D25	D	4-15 VDC	24-280 VAC	.1-25 A rms	Zero voltage turn-on	68.24	64.83	61.42	58.00
655-SSRD-240D40	SSRD-240D40	D	4-15 VDC	24-280 VAC	.1-40 A rms	Zero voltage turn-on	76.96	72.43	67.91	63.38

Tyco Electronics P&B SSRQ SERIES: QUAD AC OUTPUT "HOCKEY PUCK" SOLID STATE RELAY

Specifications:
- Form: 4 SPST-NO
- Triac outputs

Features:
- Four independent AC output solid state relays in one standard package
- Quick connect style terminals

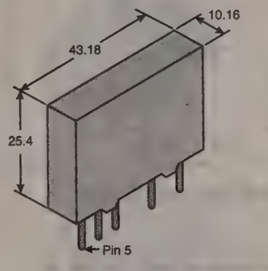
* Maximum output when mounted to heatsink

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Input Voltage	Line Voltage	Maximum Output*	Options	Price Each			
							1	10	25	50
655-SSRQ-240D20	SSRQ-240D20	E	4-15 VDC	24-280 VAC	- - -	Zero voltage turn-on	116.10	110.30	104.49	98.69

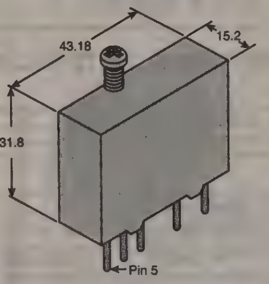
DIMENSIONS: mm

A



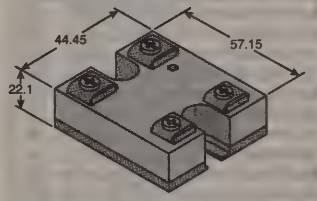
Pin 5 is not present on Output Modules

B

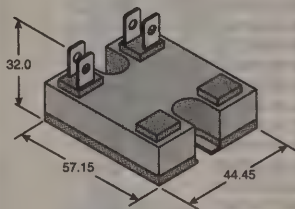


Pin 5 is not present on Output Modules

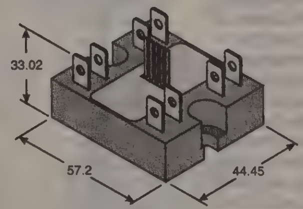
C



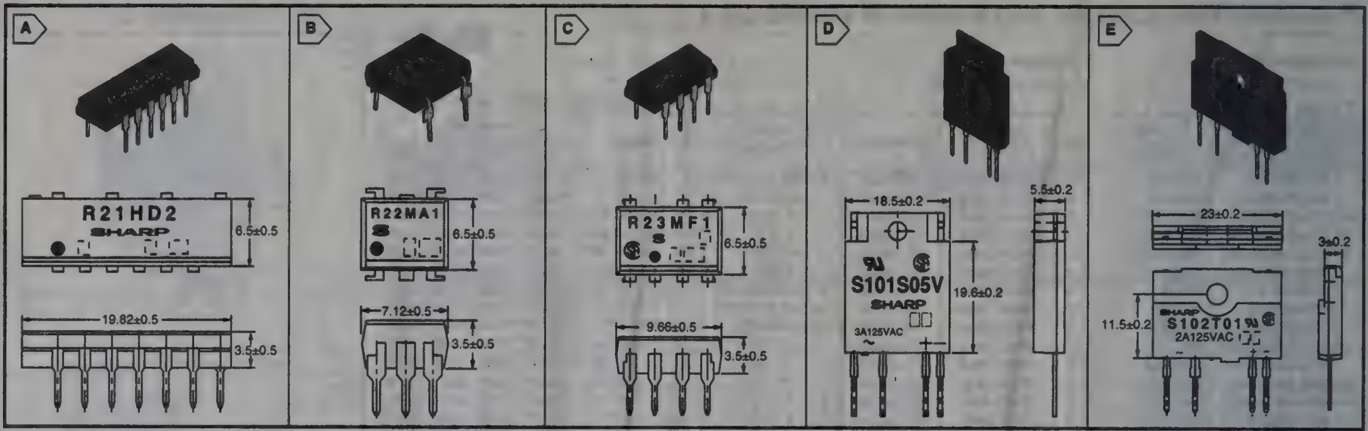
D



E



SHARP Solid State Relays



DIMENSIONS: mm

SHARP SOLID STATE RELAYS

These solid state relays are an integration of an infrared emitting diode (IRED), a Phototriac Detector and a main output Triac. These devices are ideally suited for controlling high voltage AC loads with solid state reliability while providing 4.0kV - 5.0kV [Viso (rms)] isolation from input to output.

Features:
- Lead Free

Applications:
- Isolated interface between high voltage AC devices and lower voltage DC control circuitry.
- Switching small capacity motors, fans, heaters, solenoids, and valves.
- Phase or power control in applications such as lighting and temperature control equipment.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Sharp Part No.	Fig.	Package Type	Lead Form	Function Type	dV/dt MIN	Trigger Current	ON-state current IT (rms)	Vdrm	Price Each			
										1	10	25	50
852-PR21HD22NSZF	PR21HD22NSZF	A	16-DIP	Through-Hole	Zero Cross	100	5 mA	1.5A	400	1.33	1.29	1.24	1.19
852-PR22MA11NTZF	PR22MA11NTZF	B	6-DIP	Through-Hole	Non-Zero Cross	100	10 mA	.15A	400	.78	.73	.68	.62
852-PR23MF11NSZF	PR23MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.3A	400	.90	.84	.78	.72
852-PR26MF11NSZF	PR26MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	400	1.27	1.07	.98	.78
852-PR26MF12NSZF	PR26MF12NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	400	1.30	1.10	1.00	.80
852-PR26MF21NSZF	PR26MF21NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.6A	400	1.40	1.18	1.08	.86
852-PR29MF11NSZF	PR29MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	400	1.53	1.29	1.18	.94
852-PR31HD22NSZF	PR31HD22NSZF	A	16-DIP	Through-Hole	Zero Cross	100	5 mA	1.5A	600	2.73	2.27	1.93	1.68
852-PR31MA11NTZF	PR31MA11NTZF	B	6-DIP	SMT Gull Wing	Non-Zero Cross	500	10 mA	.06A	600	.56	.54	.52	.50
852-PR32MA11NTZF	PR32MA11NTZF	B	6-DIP	Through-Hole	Non-Zero Cross	100	10 mA	.15A	600	.78	.73	.68	.62
852-PR33MF11NSZF	PR33MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.3A	600	.47	.45	.44	.42
852-PR36MF11NSZF	PR36MF11NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	600	1.50	1.26	1.15	.92
852-PR36MF12NSZF	PR36MF12NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.6A	600	.70	.68	.65	.63
852-PR36MF21NSZF	PR36MF21NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.6A	600	1.63	1.37	1.25	1.00
852-PR36MF22NSZF	PR36MF22NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.6A	600	1.65	1.37	1.17	1.02
852-PR39MF12NSZF	PR39MF12NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	600	1.68	1.40	1.19	1.04
852-PR39MF12YSZF	PR39MF12YSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	600	1.65	1.37	1.15	1.00
852-PR39MF21NSZF	PR39MF21NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.9A	600	1.74	1.45	1.23	1.07
852-PR39MF22NSZF	PR39MF22NSZF	C	8-DIP	Through-Hole	Zero Cross	100	10 mA	0.9A	600	1.83	1.52	1.30	1.13
852-PR39MF51NSZF	PR39MF51NSZF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	0.9A	600	1.50	1.26	1.15	.92
852-PR3BMF51NSKF	PR3BMF51NSKF	C	8-DIP	Through-Hole	Non-Zero Cross	100	10 mA	1.2A	600	1.56	1.32	1.20	.96
852-S101D02F	S101D02F	A	16-DIP	Through-Hole	Non-Zero Cross	200	10 mA	1.2A	400	2.55	2.12	1.81	1.57
852-S101DH1F	S101DH1F	A	16-DIP	Through-Hole	Non-Zero Cross	200	10 mA	1.5A	400	2.22	1.85	1.57	1.37
852-S101DH2F	S101DH2F	A	16-DIP	Through-Hole	Non-Zero Cross	200	10 mA	1.5A	400	1.32	1.27	1.22	1.18
852-S101S05F	S101S05F	D	4-SIP	Through-Hole	Non-Zero Cross	30	15 mA	3A	400	3.98	3.57	3.18	2.78
852-S101S06F	S101S06F	D	4-SIP	Through-Hole	Zero Cross	30	15 mA	3A	400	4.28	3.84	3.42	2.99
852-S101S16F	S101S16F	D	4-SIP	Through-Hole	Zero Cross	30	15 mA	3A	400	5.40	4.86	4.32	3.78
852-S102S01F	S102S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	400	4.13	3.71	3.30	2.88
852-S102S02F	S102S02F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	400	4.33	3.89	3.46	3.03
852-S102S11F	S102S11F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	400	8.15	7.33	6.52	5.71
852-S102S12F	S102S12F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	400	8.98	8.07	7.18	6.28
852-S102T01F	S102T01F	E	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	2A	400	3.18	2.85	2.54	2.22
852-S102T02F	S102T02F	E	4-SIP	Through-Hole	Zero Cross	30	8 mA	2A	400	3.65	3.28	2.92	2.55
852-S108T01F	S108T01F	E	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	400	4.13	3.71	3.20	2.88
852-S108T02F	S108T02F	E	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	400	4.35	3.91	3.48	3.04
852-S112S01F	S112S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	12A	400	5.00	4.50	4.00	3.50
852-S116S01F	S116S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	16A	400	5.55	4.99	4.44	3.89
852-S116S02F	S116S02F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	16A	400	6.05	5.44	4.84	4.24
852-S201DH1F	S201DH1F	A	16-DIP	Through-Hole	Non-Zero Cross	100	10 mA	1.5A	600	2.43	2.02	1.72	1.50
852-S201S06F	S201S06F	D	4-SIP	Through-Hole	Zero Cross	30	15 mA	3A	600	4.60	4.14	3.68	3.22
852-S202S01F	S202S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	600	4.28	3.84	3.42	2.99
852-S202S02F	S202S02F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	600	5.25	4.72	4.20	3.67
852-S202S11F	S202S11F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	600	8.70	7.83	6.96	6.09
852-S202S12F	S202S12F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	600	9.40	8.46	7.52	6.58
852-S202SE1F	S202SE1F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	600	4.73	4.25	3.78	3.31
852-S202T01F	S202T01F	E	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	2A	600	4.00	3.60	3.20	2.80
852-S202T02H	S202T02H	E	4-SIP	Through-Hole	Zero Cross	30	8 mA	2A	600	4.33	3.89	3.46	3.03
852-S208T01F	S208T01F	E	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	8A	600	5.00	4.50	4.00	3.50
852-S208T02F	S208T02F	E	4-SIP	Through-Hole	Zero Cross	30	8 mA	8A	600	5.00	4.50	4.00	3.50
852-S212S01F	S212S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	12A	600	5.20	4.68	4.16	3.64
852-S216S01F	S216S01F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	16A	600	5.50	4.95	4.40	3.85
852-S216S02F	S216S02F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	16A	600	5.83	5.24	4.66	4.08
852-S216SE1F	S216SE1F	D	4-SIP	Through-Hole	Non-Zero Cross	30	8 mA	16A	600	6.08	5.46	4.86	4.25
852-S216SE2F	S216SE2F	D	4-SIP	Through-Hole	Zero Cross	30	8 mA	16A	600	6.23	5.60	4.98	4.36

TELEDYNE Solid State Power Relays

TELEDYNE
RELAYS
A Teledyne Technologies Company

S SERIES SINGLE OUTPUT, AC/DC CONTROL SOLID STATE RELAYS

Features:

- Industry standard package
- Internal Snubber
- Excellent thermal performance
- Tight zero-cross window for low EMI
- UL High Immunity to surges
- UL Recognized

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-S24A25	S24A25	A	25A	240 VAC	90-240 VAC/DC	Zero-Cross	29.24	27.78
881-S24A40	S24A40	A	40A	240 VAC	90-240 VAC/DC	Zero-Cross	31.77	30.18
881-S24D12	S24D12	A	12A	240 VAC	4-30 VDC	Zero-Cross	20.76	19.72
881-S24D25	S24D25	A	25A	240 VAC	4-30 VDC	Zero-Cross	24.00	22.80
881-S24D40	S24D40	A	40A	240 VAC	4-30 VDC	Zero-Cross	25.11	23.86
881-S24R25	S24R25	A	25A	240 VAC	3-30 VDC	Random	23.83	22.64
881-S24R40	S24R40	A	40A	240 VAC	3-30 VDC	Random	28.36	26.94
881-S48A125	S48A125	A	125A	480 VAC	90-240 VAC/DC	Zero-Cross	75.96	72.16
881-S48A25	S48A25	A	25A	480 VAC	90-240 VAC/DC	Zero-Cross	33.01	31.35
881-S48A50	S48A50	A	50A	480 VAC	90-240 VAC/DC	Zero-Cross	35.50	33.73
881-S48A75	S48A75	A	75A	480 VAC	90-240 VAC/DC	Zero-Cross	54.90	52.16
881-S48D125	S48D125	A	125A	480 VAC	5-30 VDC	Zero-Cross	72.10	68.50
881-S48D25	S48D25	A	25A	480 VAC	5-30 VDC	Zero-Cross	29.74	28.25
881-S48D50	S48D50	A	50A	480 VAC	5-30 VDC	Zero-Cross	35.00	33.25
881-S48D75	S48D75	A	75A	480 VAC	5-30 VDC	Zero-Cross	51.85	49.25
881-S48R50	S48R50	A	50A	480 VAC	4-30 VDC	Random	33.63	31.95
881-S60D125	S60D125	A	125A	600 VAC	7-30 VDC	Zero-Cross	73.86	70.17
881-S60D50	S60D50	A	50A	600 VAC	7-30 VDC	Zero-Cross	40.69	38.66

SD SERIES DUAL OUTPUT SOLID STATE RELAYS

- Dual output (2 in 1)
- Low zero cross level
- Excellent thermal performance
- Fast-on and screw terminals available
- Available with EZ Mount ™ thermal pad installed (-12 Option)

** Fast-on terminals included.

For quantities of 50 and up, call for quote.

** 881-SD24D40-06	SD24D40-06	B	40A	280 VAC	4-30 VDC	Zero-Cross	40.95	38.90
881-SD48D40	SD48D40	B	40A	510 VAC	5-30 VDC	Zero-Cross	59.12	56.16
** 881-SD24D50-06	SD24D50-06	B	50A	280 VAC	4-30 VDC	Zero-Cross	53.04	50.39
** 881-SD48D40-06	SD48D40-06	B	40A	500 VAC	5-30 VDC	Zero-Cross	59.12	56.16
881-SD48D50A	SD48D50A	B	50A	600 VAC	10-30 VDC	Zero-Cross	64.90	61.65
881-SD24R50	SD24R50	B	50A	280 VAC	4-30 VDC	Random	53.04	50.39
** 881-SD24R50-06	SD24R50-06	B	50A	280 VAC	4-30 VDC	Random	53.04	50.39

SQ SERIES QUAD OUTPUT SOLID STATE RELAYS

- Quad output (4 in 1)
- Low zero cross level
- Excellent thermal performance
- Fast-on terminals

* EZ Mount ™ thermal pad installed (-12 Option)

For quantities of 50 and up, call for quote.

881-SQ24D25	SQ24D25	C	25A	280 VAC	3-32 VDC	Zero-Cross	63.55	60.37
* 881-SQ24D25-12	SQ24D25-12	C	25A	280 VAC	3-32 VDC	Zero-Cross	64.80	61.62

ST SERIES SINGLE OUTPUT, AC/DC CONTROL SOLID STATE RELAYS

- Excellent thermal performance
- High immunity for surges
- Tight zero-cross window for low EMI
- UL Recognized

For quantities of 50 and up, call for quote.

881-ST24D12	ST24D12	D	12A	240 VAC	4-30 VDC	Zero-Cross	15.63	14.85
881-ST24D25	ST24D25	D	25A	240 VAC	4-30 VDC	Zero-Cross	18.50	17.58
881-ST48D50	ST48D50	D	50A	480 VAC	5-30 VDC	Zero-Cross	30.24	28.73

X SERIES DC CONTROL SOLID STATE RELAYS

- Compact Size
- Spring terminals
- Tight zero-cross window for low EMI
- Touch-proof terminals

For quantities of 50 and up, call for quote.

881-X24D12	X24D12	E	12A	240 VAC	7-30 VDC	Zero-Cross	21.53	20.45
881-X24D16	X24D16	E	16A	240 VAC	7-30 VDC	Zero-Cross	22.04	20.94

XV SERIES SINGLE OUTPUT, NO HEAT SINK, HYBRID SOLID STATE RELAY

- Internal output protection
- Control LED
- Tight zero-cross window for low EMI
- High immunity for surges

For quantities of 50 and up, call for quote.

881-XV46D30K	XV46D30K	F	30A	420 VAC	20-30 VDC	Zero-Cross	45.92	43.62

HIGH INDUSTRIAL PERFORMANCE (HIPPAK) SOLID STATE RELAYS

SH Series

Features:

- Low zero cross turn on voltage
- Input and output protection and control LED
- IP20 touch proof flaps
- Connectors for power wiring and heat sinks available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each
881-SH24A25	SH24A25	G	25A	12-275 VAC	20-265 VAC/DC	Zero-Cross	27.00
881-SH24D25	SH24D25	G	25A	12-275 VAC	3-32 VDC	Zero-Cross	23.50
881-SH24D50	SH24D50	G	50A	12-275 VAC	3-32 VDC	Zero-Cross	32.00
881-SH24D75	SH24D75	G	75A	12-275 VAC	3-32 VDC	Zero-Cross	35.00
881-SH48A125	SH48A125	G	125A	24-510 VAC	20-265 VAC/DC	Zero-Cross	94.76
881-SH48A50	SH48A50	G	50A	24-510 VAC	20-265 VAC/DC	Zero-Cross	37.00
881-SH48D125	SH48D125	G	125A	24-510 VAC	3.5-32 VDC	Zero-Cross	66.95
881-SH48D50	SH48D50	G	50A	24-510 VAC	3.5-32 VDC	Zero-Cross	37.00
881-SH48D95	SH48D95	G	95A	24-510 VAC	3.5-32 VDC	Zero-Cross	65.91
881-SH48R125	SH48R125	G	125A	24-510 VAC	3.5-32 VDC	Random	92.71
881-SH48R50	SH48R50	G	50A	24-510 VAC	3.5-32 VDC	Random	48.00
881-SH60D125	SH60D125	G	125A	24-690 VAC	3.5-32 VDC	Zero-Cross	108.16
881-SH60D50	SH60D50	G	50A	24-690 VAC	3.5-32 VDC	Zero-Cross	50.00
881-SH60D75	SH60D75	G	75A	24-690 VAC	3.5-32 VDC	Zero-Cross	77.26

STH Series

Features:

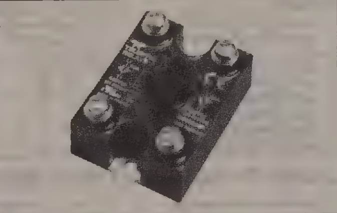
- Zero cross
- Regulated input current
- Voltage protection on input (transil)
- Control status LED

For quantities of 50 and up, call for quote.

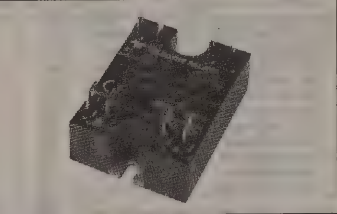
MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-STH24D12	STH24D12	H	12A	12-280 VAC	3-32 VDC	Zero-Cross-Resistive	15.50	14.73
881-STH24D25	STH24D25	H	25A	12-280 VAC	3-32 VDC	Zero-Cross-Resistive	18.00	17.10
881-STH48D50	STH48D50	H	50A	24-600 VAC	3.5-32 VDC	Zero-Cross-Resistive	30.00	28.50

A

B

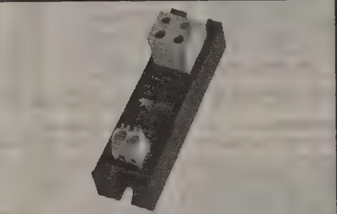


C

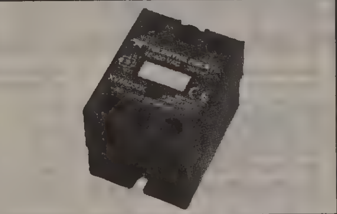


D

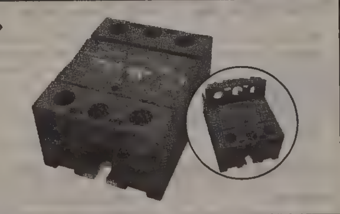
E



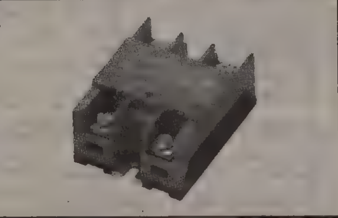
F



G



H



TELEDYNE Solid State Power Relays

TELEDYNE
RELAYS
A Teledyne Technologies Company

S20DC30/S20DC100 DC SOLID STATE RELAYS

Features:
- Output to 100 Amps, 200 VDC
- Ultra low on state resistance
- Ultra low output leakage current
- Low control current consumption

✻ Available with EZ Mount ™ thermal pad installed (-12 Option)

For quantities greater then listed, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each
✻ 881-S20DC30	S20DC30	A	30A	200 VDC	4.5-32 VDC	DC	134.41
✻ 881-S20DC100	S20DC100	A	100A	200 VDC	4.5-32 VDC	DC	159.66

E3P SERIES THREE-PHASE SOLID STATE RELAYS

Features:
- Internal output protection
- Control LED on all models
- High immunity to surges
- Low zero cross level
- UL recognized

† Includes MOV

For quantities greater then listed, call for quote.

881-E3P48D25	E3P48D25	B	25A	600 VAC	8.5 -30 VDC	Zero-Cross	87.52
881-E3P48D50	E3P48D50	B	50 A	600 VAC	8.5 -30 VDC	Zero-Cross	113.32
881-E3P48D75	E3P48D75	B	75 A	600 VAC	8.5 -30 VDC	Zero-Cross	129.32
† 881-E3P48D50-16	E3P48D50-16	B	50A	520 VAC	8.5 -30 VDC	Zero-Cross	118.25
881-E3P48A50	E3P48A50	B	50A	600 VAC	90-240 VAC/dc	Zero-Cross	126.69
† 881-E3P48D75-16	E3P48D75-16	B	75A	520 VAC	8.5 -30 VDC	Zero-Cross	120.37

AS/BS/DS SERIES LOW CURRENT SOLID STATE SIP RELAYS

- Industry standard package
- High In rush capabilities
- Low input current draw
- High DV/DT capability

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-AS24D4E	AS24D4E	C	4A	275 VAC	4-30 VDC	Zero-Cross	10.90	10.36
881-AS24R4E	AS24R4E	C	4A	275 VAC	4-30 VDC	Random	10.90	10.36
881-AS46D4E	AS46D4E	C	4A	460 VAC	4-30 VDC	Zero-Cross	13.29	12.62
881-BS24D4A	BS24D4A	C	4A	280 VAC	3-10 VDC	Zero-Cross	8.07	7.67
881-BS24D4F	BS24D4F	C	4A	280 VAC	8-30 VDC	Zero-Cross	7.79	7.40
881-BS60D4A	BS60D4A	C	4A	600 VAC	3.7-10 VDC	Zero-Cross	10.51	9.99
881-DS6R3E	DS6R3E	C	3A	60 VDC	3-30 VDC	Random	9.91	9.42
881-DS22R1E	DS22R1E	C	1A	220 VDC	3-30 VDC	Random	16.14	15.34

C3P SERIES THREE-PHASE SOLID STATE SIP RELAYS

Features:
- Industry standard package
- High Temp plastic housing
- Tight zero-cross window for low EMI
- Exposed ceramic baseplate for reduced thermal resistance

For quantities of 50 and up, call for quote.

881-C3P24D25	C3P24D25	D	25A	280 VAC	10-30 VDC	Zero-Cross	76.01	72.21
881-C3P24D25C	C3P24D25C	D	25A	280 VAC	3.5-10 VDC	Zero-Cross	76.01	72.21

DR SERIES SINGLE OUTPUT DIN-RAIL SOLID STATE RELAY

Features:
- Thyristor Output
- Green control LED
- Internal transient suppression
- Low leakage current

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-DR48D25	DR48D25	E	25A	510 VAC	3.5-32 VDC	Zero-Cross	68.42	65.00

DX SERIES DIN-RAIL SOLID STATE RELAY, AC/DC CONTROL

Features:
- Control visualization by LED
- AC/DC control
- High immunity to surges

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-DX6R3E-02	DX6R3E-02	F	3A	60 VDC	3-30 VDC	Random	24.21	23.00

FS SERIES DC CONTROL SOLID STATE RELAYS

- Miniature size package
- Tight zero-cross window for low EMI
- High immunity to surges
- UL Recognized

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-FS24D10-06	FS24D10-06	G	10A	280 VAC	4-30 VDC	Zero-Cross	22.29	21.18
881-FS24D20-06	FS24D20-06	G	20A	280 VAC	4-30 VDC	Zero-Cross	24.60	23.37

G SERIES DC CONTROL SOLID STATE RELAY

- Miniature size package
- Internal VDR protection
- High immunity to surges
- Excellent thermal performance

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-G24D12-06	G24D12-06	H	12A	280 VAC	4-32 VDC	Zero-Cross	17.00	16.15

L SERIES SINGLE OUPUT, DC CONTROL SOLID STATE RELAYS

Features:
- Ultraminiature package
- PCB Switch Type
- Optional thermal pad available

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Teledyne Part No.	Fig.	Load Current	Voltage	Control Voltage	Switch Type	Price Each	
							1	25
881-L24D25C	L24D25C	I	25A	280 VAC	3.5-15 VDC	Zero-Cross	25.11	23.86
881-L24D25G	L24D25G	I	25A	280 VAC	12.5-32 VDC	Zero-Cross	26.14	24.83

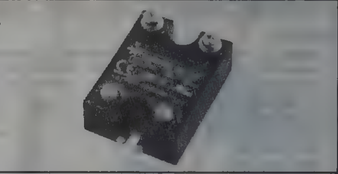
LS SERIES DC CONTROL SOLID STATE SIP RELAY

- Industry standard package
- Designed for an external heat-sink attachement
- Over-sized thyristor ratings
- Direct-copper bonding technology
- UL Recognized

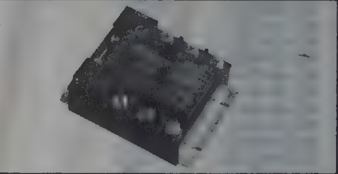
For quantities of 50 and up, call for quote.

881-LS24D16C-HS1	LS24D16C-HS1	J	16A	240 VAC	4-14 VDC	Zero-Cross	23.58	22.40

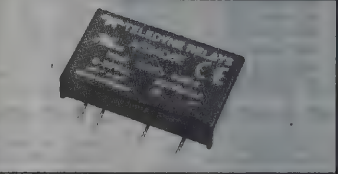
A



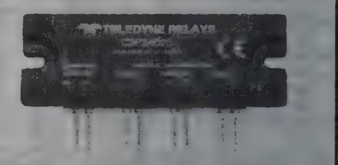
B



C



D

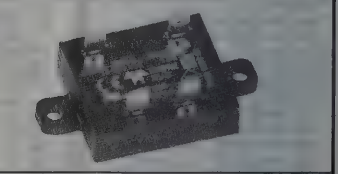


E

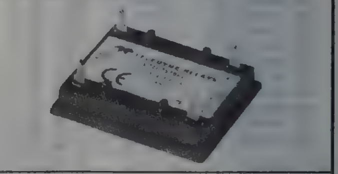
F

G

H

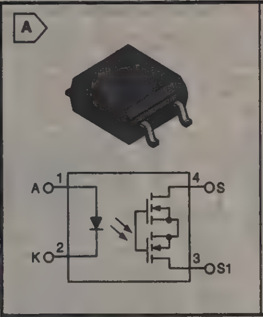


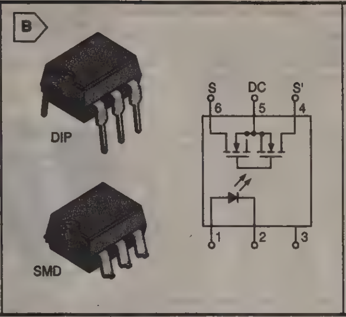
I

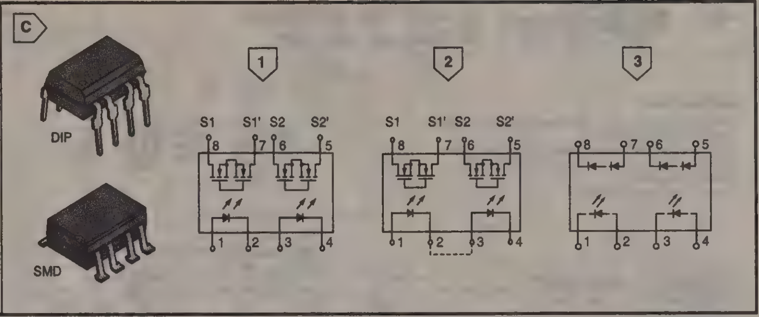


J

VISHAY Solid State Relays







Vishay's Solid State Relays (SSRs), previously sold under the Infineon, Siemens, and AT&T brand names, deliver fast switching while optically isolating and protecting equipment from damaging external high-voltage spikes. By eliminating the majority of wire bonds found in other SSRs, Vishay's monolithic structure has set the performance standard. With no moving parts, our solid state relays are noiseless, bounce-free and reliable, commonly replacing electromechanical relays. Used in industrial, automotive, and communication applications, all of our solid state relays feature low power consumption, small packaging, and low turn-on current. Exceeding industry standards, they are approved by VDE, UL, CSA and other safety regulatory agencies.

Applications:

- General Telecom Switching
  On/off-hook
  Ring Relay/Dial Pulse
  Ground Start/Fault Protection
- Instrumentation
  Automatic Tuning/Balancing
  Flying Capacitor
  Analog MultiplexOn/off-hook
- Industrial Controls
  Triac Predrivers
  Output Modules

Safety Standards:

UL/BSI = UL Recognized (E52744) & BSI (7980)
UL/VDE = UL Recognized (E300068) & VDE (VDE0884)
UL/CSA = UL Recognized (E52744) & CSA Approved (093751)
UL/BSI/CSA = UL Recognized (E52744), BSI (7980) & CSA Approved (093751)

♦ **Surface Mount Device**

1 FORM A

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Package	Safety Standard	R_{ON} (Ω) (Typ)	Test Cond. I_F (mA)	Test Cond. I_L (mA)	t_{on} (ms) (Typ)	t_{off} (ms) (Typ)	V_L (V) (max)	I_L (mA) (max)	P_{diss} (mW) (max)	Isolation Voltage (Vrms)	Output Type	Price Each 1	10	100	1000
♦782	LH1546AEFTR	A	SOP-4	UL/BSI	28.00	5.0	50	2.0	0.08	350	120	550	3000	SPST NO	1.96	1.57	1.30	1.14
782	VO1400AEFTR	A	SOP-4	UL/VDE	2.30	10.0	100	52.0	36.0	60	100	400	1500	SPST NO	1.13	.90	.74	.65
♦782	LH1510AABTR	B	SMD-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO	3.14	2.51	2.07	1.82
♦782	LH1510AAB	B	SMD-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO	3.04	2.43	2.00	1.76
782	LH1510AT	B	DIP-6	UL/BSI/CSA	11.27	5.0	50	0.5	0.7	200	200	550	5300	SPST NO	2.98	2.39	1.97	1.73
♦782	LH1500AABTR	B	SMD-6	UL/BSI/CSA	20.00	5.0	50	0.3	0.60	350	150	----	5300	SPST NO	2.55	2.04	1.68	1.48
782	LH1500AT	B	DIP-6	UL/BSI/CSA	20.00	5.0	50	0.3	0.60	350	150	----	5300	SPST NO	2.42	1.94	1.60	1.41
♦782	LH1540AAB	B	SMD-6	UL/BSI/CSA	20.00	5.0	50	1.2	0.50	350	120	550	5300	SPST NO	2.30	1.84	1.52	1.33
782	LH1540AT	B	DIP-6	UL/BSI/CSA	20.00	5.0	50	1.2	0.50	350	120	550	5300	SPST NO	2.30	1.84	1.52	1.33
♦782	LH1546AABTR	B	SMD-6	UL/BSI/CSA	28.00	5.0	50	1.14	0.71	350	120	550	5300	SPST NO	2.12	1.69	1.40	1.23
♦782	LH1525AABTR	B	SMD-6	UL/BSI/CSA	26.00	1.5	50	1.25	0.60	400	125	550	5300	SPST NO	3.27	2.61	2.16	1.89

DUAL FORM A

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Package	Safety Standard	R_{ON} (Ω) (Typ)	Test Cond. I_F (mA)	Test Cond. I_L (mA)	t_{on} (ms) (Typ)	t_{off} (ms) (Typ)	V_L (V) (max)	I_L (mA) (max)	P_{diss} (mW) (max)	Isolation Voltage (Vrms)	Output Type	Price Each 1	10	100	1000
♦782	LH1522AAC	C1	SMD-8	UL/BSI/CSA	10.00	5.0	50	1.0	0.70	200	200	600	5300	SPST NO	5.36	4.29	3.54	3.11
782	LH1522AB	C1	DIP-8	UL/BSI/CSA	10.00	5.0	50	1.0	0.70	200	200	600	5300	SPST NO	5.36	4.29	3.54	3.11
♦782	LH1520AAC	C1	SMD-8	UL/BSI/CSA	20.00	5.0	50	1.4	0.70	350	150	600	5300	SPST NO	5.36	4.29	3.54	3.11

1 FORM B

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Package	Safety Standard	R_{ON} (Ω) (Typ)	Test Cond. I_F (mA)	Test Cond. I_L (mA)	t_{on} (ms) (Typ)	t_{off} (ms) (Typ)	V_L (V) (max)	I_L (mA) (max)	P_{diss} (mW) (max)	Isolation Voltage (Vrms)	Output Type	Price Each 1	10	100	1000
782	LH1501BT	B	DIP-6	UL/CSA	20.00	0.0	50	2.0	1.0	350	150	550	3750	SPST NC	3.24	2.59	2.14	1.88

DUAL FORM A, B/C

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Package	Safety Standard	R_{ON} (Ω) (Typ)	Test Cond. I_F (mA)	Test Cond. I_L (mA)	t_{on} (ms) (Typ)	t_{off} (ms) (Typ)	V_L (V) (max)	I_L (mA) (max)	P_{diss} (mW) (max)	Isolation Voltage (Vrms)	Output Type	Price Each 1	10	100	1000
♦782	LH1502BAC	C2	SMD-8	UL/CSA	20.00	5/0	50/50	3.2/3.8	1.6/0.8	350	150	600	3750	NO or NC	5.10	4.08	3.37	2.96
782	LH1512BB	C2	DIP-8	UL/CSA	10.00	5/0	50/50	1.4/1.2	0.7/2.0	200	200	600	3750	NO or NC	5.48	4.39	3.62	3.18

DUAL PHOTOVOLTAIC MOSFET DRIVER

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Package	Safety Standard	R_{ON} (Ω) (Typ)	Test Cond. I_F (mA)	Test Cond. I_L (mA)	t_{on} (ms) (Typ)	t_{off} (ms) (Typ)	V_L (V) (max)	I_L (mA) (max)	P_{diss} (mW) (max)	Isolation Voltage (Vrms)	Output Type	Price Each 1	10	100	1000
782	LH1262CB	C3	DIP-8	UL/BSI	50	1.26	5.0	35	90	15	14	14	200	5300	3.95	3.16	2.61	2.29
♦782	VO1263AACTR	C3	SMD-8	UL	50	1.3	5.0	26	73	- - -	- - -	1.3	350	5300	4.23	3.38	2.79	2.45

CLASS 782 GENERAL PURPOSE RELAYS

Specifications:

- Contact material: 3 amps bifurcated - silver gold plated
- 3 amps - silver gold flashed
- 5, 10 & 15 Amps - silver cadmium oxide, gold flashed
- Coil power: 0.9 - 1.1 watts DC., 1.0 - 1.2 VA (60Hz) AC. @ 25°C
- Class B insulation
- Dielectric strength: 1500Vrms

UL Recognized
File No. E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
Solder/Plug-in Mount										
528-7880-97	782XAXC-12D	A1	SPDT	20A	12 VDC	160	6.58	6.08	5.79	5.51
528-7880-6	782XBXC-6D	A2	DPDT	20A	6 VDC	40	6.40	5.95	5.66	5.36
528-7880-7	782XBXC-12D	A2	DPDT	20A	12 VDC	160	5.80	4.26	3.96	3.77
528-7880-8	782XBXC-24D	A2	DPDT	20A	24 VDC	650	5.80	4.26	3.96	3.77
528-7810-1	782XDXIC-6D	A3	4PDT	3A	6 VDC	40	5.83	5.42	5.14	4.87
528-7810-2	782XDXIC-12D	A3	4PDT	3A	12 VDC	160	4.16	3.86	3.67	3.47
528-7810-3	782XDXIC-24D	A3	4PDT	3A	24 VDC	650	4.16	3.86	3.67	3.47
528-7895-13	782XDX2C-24D	A3	4PDT	10A	24 VDC	650	5.83	5.42	5.14	4.87
528-7870-9	782XBXC-24A	A2	DPDT	20A	24 VAC	180	5.80	4.26	3.96	3.77
528-7870-11	782XBXC-120A	A2	DPDT	20A	120 VAC	4430	5.80	4.26	3.96	3.77
528-7870-12	782XBXC-240A	A2	DPDT	20A	240 VAC	15,700	7.77	7.25	6.87	6.51
528-7840-3	782XDXIC-24A	A3	4PDT	3A	24 VAC	180	6.40	5.95	5.66	5.36
528-7840-5	782XDXIC-120A	A3	4PDT	3A	120 VAC	4430	6.39	5.94	5.65	5.35
528-7840-6	782XDXIC-240A	A3	4PDT	3A	240 VAC	15,700	7.77	7.25	6.87	6.51
Solder/Plug-in Mount, Bifurcated										
528-7815-2	782XDX3C-12A	A3	4PDT	3A	12 VAC	46	7.25	6.74	6.40	6.06
528-7815-6	782XDX3C-240A	A3	4PDT	3A	240 VAC	15,700	8.60	8.00	7.61	7.21
Solder/Plug-in Mount, with Indicator Lamp										
528-7850-10	782XAXCL-24D	A1	SPDT	20A	24 VDC	650	7.78	7.20	6.87	6.53
528-7885-8	782XAXCL-24A	A1	SPDT	20A	24 VAC	180	7.63	7.07	6.75	6.43
528-7885-9	782XAXCL-120A	A1	SPDT	20A	120 VAC	4430	7.57	7.05	6.38	6.30
Enclosed, Printed Circuit Mount										
528-7830-1	782XBXCT-6D	A2	DPDT	20A	6 VDC	40	5.60	5.19	4.91	4.64
528-7830-2	782XBXCT-12D	A2	DPDT	20A	12 VDC	160	5.83	5.42	5.14	4.87
528-7830-3	782XBXCT-24D	A2	DPDT	20A	24 VDC	650	5.83	5.42	5.14	4.87
528-7820-2	782XDX3CT-12D	A3	4PDT	3A	12 VDC	160	3.96	3.66	3.47	3.27
528-7820-3	782XDX3CT-24D	A3	4PDT	3A	24 VDC	650	5.50	5.09	4.81	4.54
528-7850-5	782XBXCT-120A	A2	DPDT	20A	120 VAC	4430	6.40	5.95	5.66	5.36
528-7835-6	782XBXCT-240A	A2	DPDT	20A	240 VAC	15,700	8.23	7.69	7.33	6.97
528-7825-3	782XDX3CT-24A	A3	4PDT	3A	24 VAC	180	5.52	5.11	4.83	4.55
528-7825-5	782XDX3CT-120A	A3	4PDT	3A	120 VAC	4430	5.52	5.11	4.83	4.55
Sockets and Hold Down Clip for Class 782 Relays										
528-3781	70-378-1	14 Pin Solder terminals, 4 Pole					.81	.75	.72	.68
528-3791	70-379-1	14 Pin PC terminals, 4 Pole					1.11	1.03	.98	.93
528-401	70-401-1	8 Pin Solder terminals, 2 Pole					1.29	1.20	1.14	1.08
528-402	70-402-1	8 Pin PC terminals, 2 Pole					1.30	1.21	1.15	1.09
528-459	70-459-1	8 Pin DIN/Panel mount w/screw terminals					4.75	4.41	4.18	3.95
528-461	70-461-1	14 Pin DIN/Panel mount w/screw terminals					3.30	3.05	2.89	2.72
528-16-1342	16-1342	Hold down clip					.53	.50	.45	.41

CLASS 67 MINIATURE ENCLOSED INDUSTRIAL RELAYS

Specifications:

- Contact resistance: 50MΩ max.
- Coil power: 0.5 -1.5 watts DC, 1.5 VA - 2 VA (60 Hz) AC @ 25°C
- Contact material: silver gold overlay
- Dielectric strength: 1500Vrms

UL Recognized
File No. E52197

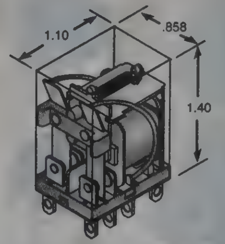
168986

For quantities of 100 and up, call for quote.

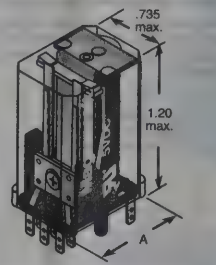
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
Solder/Plug-in Mount										
528-6710-1	W67RCSX-1	B4	DPDT	5A	5 VDC	52	13.50	12.42	11.79	11.18
528-6710-2	W67RCSX-2	B4	DPDT	5A	12 VDC	185	12.55	11.93	11.31	10.70
528-6710-3	W67RCSX-3	B4	DPDT	5A	24 VDC	700	12.77	12.15	11.53	10.91
528-6710-6	W67RCSX-6	B5	4PDT	5A	5 VDC	52	16.05	15.26	14.46	13.67
528-6710-7	W67RCSX-7	B5	4PDT	5A	12 VDC	185	17.50	16.64	15.77	14.91
528-6710-8	W67RCSX-8	B5	4PDT	5A	24 VDC	700	17.50	16.64	15.77	14.91
528-6710-12	W67RCSX-12	B6	6PDT	5A	12 VDC	90	20.93	19.88	18.84	17.79
528-6710-13	W67RCSX-13	B6	6PDT	5A	24 VDC	430	22.54	21.41	20.29	19.16
528-6710-18	W67RCSX-18	B7	8PDT	5A	24 VDC	350	47.14	43.60	41.25	38.89
Sockets for Class 67 Relays										
528-303	70-303-1	----	Solder terminals, DPDT, Chassis mount				2.75	2.53	2.40	2.28
528-304	70-304-1	----	PC terminals, DPDT, Chassis mount				2.75	2.53	2.40	2.28
528-305	70-305-1	----	Solder terminals, 4PDT, Chassis mount				3.00	2.76	2.62	2.48
528-306	70-306-1	----	PC terminals, 4PDT, Chassis mount				3.00	2.76	2.62	2.48
528-307	70-307-1	----	Solder terminals, 6PDT, Chassis mount				3.00	2.76	2.62	2.48
528-308	70-308-1	----	PC terminals, 6PDT, Chassis mount				3.00	2.76	2.62	2.48
528-309	70-309-1	----	Solder terminals, 8PDT, Chassis mount				3.00	2.76	2.62	2.48
528-310	70-310-1	----	PC terminals, 8PDT, Chassis mount				3.00	2.76	2.62	2.48

DIMENSIONS: in.

A



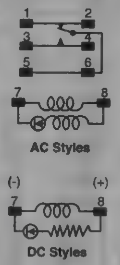
B



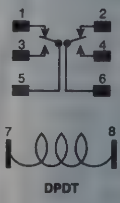
Form	A Dim.
DPDT	0.978
4PDT	1.156
6PDT	1.374
8PDT	1.592

TERMINAL ARRANGEMENT

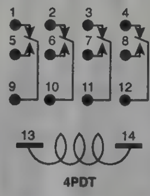
1



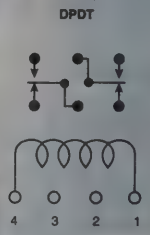
2



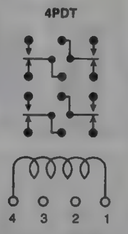
3



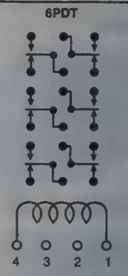
4



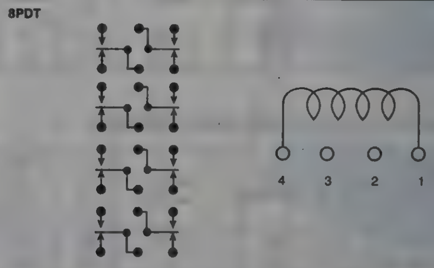
5



6



7



MAGNECRAFT General Purpose Relays

CLASS 782H HERMETICALLY SEALED RELAYS

Specifications:
- UL Class 1 Div. 2 for use in hazardous locations.
- UL Listed when used with DIN mount socket 528-461 and hold down clip 528-1328 listed below
- Coil power: 0.9 watts DC. 1.2 VA (60Hz) AC @ 25°C
- Class B insulation
- Dielectric strength: 1240 Vrms

Features:
- Vacuum baked and dry nitrogen filled
- Removes contaminants and provides a clean and dry atmosphere for contacts
- Hermetically sealed metal enclosure

Applications:
- Ideal for use in hazardous locations

UL Recognized
File No. E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
Solder/Plug-in										
528-782XH21-12D	782XDXH21-12D	A1	4PDT	5A	12 VDC	160	**59.00**	**56.20**	**53.63**	**50.05**
528-782XH10-24D	782XDXH10-24D	A1	4PDT	3A	24 VDC	650	**60.00**	**57.20**	**54.63**	**51.05**
528-782XH21-24D	782XDXH21-24D	A1	4PDT	5A	24 VDC	650	**59.00**	**56.20**	**53.63**	**50.05**
528-782XH10-110D	782XDXH10-110D	A1	4PDT	3A	110 VDC	11,000	**64.00**	**61.20**	**58.63**	**55.05**
528-782XH10-120A	782XDXH10-120A	A1	4PDT	3A	120 VAC	3900	**65.00**	**62.20**	**59.63**	**58.50**
Sockets and Hold Down Clip for Class 782XDXH Relays										
528-3781	70-378-1	----	14 Pin Solder terminals, 4 Pole				**.81**	**.75**	**.72**	**.68**
528-3791	70-379-1	----	14 Pin PC terminals, 4 Pole				**1.11**	**1.03**	**.98**	**.93**
528-461	70-461-1	----	14 Pin DIN/Panel mount with screw terminals				**3.30**	**3.05**	**2.89**	**2.72**
528-16-1342	16-1342	----	Metal hold down clip for 782 relays				**.58**	**.55**	**.50**	**.46**

CLASS 788 SQUARE BASE RELAYS

Specifications:
- Contact resistance: 50mΩ max. initial resistance @ rated current
- Coil power: 1.2 watts for DC coils, 2 VA to 2.75 VA for AC @ 25°C
- Class B insulation
- Contact material: silver alloy, gold flashed
- Dielectric strength: 1500Vrms

UL Recognized
File No. E43641

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supercedes	Fig.	Contact		Coil		Price Each			
				Form	Rating	Volts	Ω	1	10	25	50
Plain Cover, AC or DC Operated											
528-788XBXC-12D	788XBXC-12D	A283XBXC-12D	B3	DPDT	16 Amp	12 VDC	120	**10.09**	**8.40**	**7.93**	**7.47**
528-788XBXC-24D	788XBXC-24D	A283XBXC-24D	B3	DPDT	16 Amp	24 VDC	472	**10.09**	**8.40**	**7.93**	**7.47**
528-788XCXC-12D	788XCXC-12D	A283XCXC-12D	B4	3PDT	16 Amp	12 VDC	120	**12.54**	**10.44**	**9.87**	**9.29**
528-788XCXC-24D	788XCXC-24D	A283XCXC-24D	B4	3PDT	16 Amp	24 VDC	472	**12.54**	**10.44**	**9.87**	**9.29**
528-788XCXC-24A	788XCXC-24A	A283XCXC-24A	B4	3PDT	16 Amp	24 VAC	72	**13.14**	**10.93**	**10.33**	**9.72**
528-788XCXC-120A	788XCXC-120A	A283XCXC-120A	B4	3PDT	16 Amp	120 VAC	1700	**13.14**	**10.93**	**10.33**	**9.72**
Flange Mount Cover, AC or DC Operated											
528-788XAXC1-24D	788XAXC1-24D	A283XAXC1-24D	B2	SPDT	16 Amp	24 VDC	472	**9.97**	**8.31**	**7.85**	**7.39**
528-788XBXC1-120A	788XBXC1-120A	A283XBXC1-120A	B3	DPDT	16 Amp	120 VAC	2250	**11.05**	**9.19**	**8.69**	**8.18**
528-788XBXC1-12D	788XBXC1-12D	A283XBXC1-12D	B3	DPDT	16 Amp	12 VDC	120	**10.45**	**8.71**	**8.23**	**7.74**
528-788XBXC1-24D	788XBXC1-24D	A283XBXC1-24D	B3	DPDT	16 Amp	24 VDC	472	**10.45**	**8.71**	**8.23**	**7.74**
528-788XCXC1-24D	788XCXC1-24D	A283XCXC1-24D	B4	3PDT	16 Amp	24 VDC	472	**12.24**	**10.19**	**9.63**	**9.06**
Plain Cover with Blowout Magnet											
528-788XBX69C-24D	788XBX69C-24D	A283XBX69C-24D	C3	DPDT	16 Amp	24 VDC	472	**13.26**	**11.04**	**10.43**	**9.82**
528-788HXX69C-12D	788HXX69C-12D	A283HXX69C-12D	C5	SPST-NO-DM	10 Amp	12 VDC	120	**12.18**	**10.15**	**9.59**	**9.03**
528-788HXX69C-110D	788HXX69C-110D	A283HXX69C-110D	C5	SPST-NO-DM	10 Amp	110 VDC	10000	**13.20**	**10.99**	**10.38**	**9.77**
Sockets and Hold Down Clip for Series 788 Square Base Relays											
528-1241	70-124-1	----	----	11 Pin Solder terminals with mounting tabs				**1.18**	**1.10**	**1.04**	**.99**
528-1242	70-124-2	----	----	11 Pin Q.C. terminals with mounting tabs				**1.18**	**1.10**	**1.04**	**.99**
528-1781	70-178-1	----	----	11 Pin PC terminals with mounting tabs				**1.14**	**1.06**	**1.00**	**.95**
528-1782	70-178-2	----	----	11 Pin PC terminals without mounting tabs				**1.14**	**1.06**	**.96**	**.91**
528-4631	70-463-1	----	----	11 Pin DIN/Panel mount with screw terminals				**3.20**	**2.95**	**2.80**	**2.64**
528-16-1351	16-1351	----	----	Metal hold down clip				**.66**	**.54**	**.51**	**.48**

CLASS 785/388ML SQUARE BASE MAGNETIC LATCHING RELAYS

Specifications:
- Contact resistance: 50mΩ maximum initial at rated current
- Coil power: 1.9 watts DC, 2.1 VA(60 Hz) AC @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Dielectric strength: 1500 Vrms

UL Recognized
File No. E258297

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supercedes	Fig.	Contact		Coil		Price Each			
				Form	Rating	Volts	Ω	1	10	25	50
Single Coil Latching											
528-785XBXC-12D	785XBXC-12D	W388MLCPX-6	B6	DPDT	16A	12 VDC	120	**14.75**	**12.29**	**11.61**	**10.93**
528-785XBXC-24D	785XBXC-24D	W388MLCPX-7	B6	DPDT	16A	24 VDC	470	**14.75**	**12.29**	**11.61**	**10.93**
528-785XBXC-120A	785XBXC-120A	W388AMLCPX-9	B7	DPDT	16A	120 VAC	10000	**14.16**	**11.78**	**11.13**	**10.48**
Dual Coil Latching											
528-785XBXCD-12D	785XBXCD-12D	W388ML2CPX-6	B8	DPDT	16A	12 VDC	88/88	**13.50**	**11.24**	**10.62**	**10.00**
528-785XBXCD-24D	785XBXCD-24D	W388ML2CPX-7	B8	DPDT	16A	24 VDC	350/350	**13.50**	**11.24**	**10.62**	**10.00**
Sockets and Hold Down Clips for 785/388ML Relays											
528-1241	70-124-1	----	----	11 Pin Solder terminals with mounting tabs				**1.18**	**1.10**	**1.04**	**.99**
528-1242	70-124-2	----	----	11 Pin QC terminals with mounting tabs				**1.18**	**1.10**	**1.04**	**.99**
528-1781	70-178-1	----	----	11 Pin PC terminals with mounting tabs				**1.14**	**1.06**	**1.00**	**.95**
528-1782	70-178-2	----	----	11 Pin PC terminals without mounting tabs				**1.14**	**1.06**	**.96**	**.91**
528-4631	70-463-1	----	----	11 Pin DIN/Panel mount with screw terminals				**3.20**	**2.95**	**2.80**	**2.64**

CLASS 755/250ML OCTAL BASE MAGNETIC LATCHING RELAYS

Specifications:
- Contact resistance: 50mΩ maximum initial at rated current
- Coil power: 1.64 watts DC, 2.0 VA(60 Hz) AC @ 25°C
- Contact material: 0.187 silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 1500 Vrms

RoHS Compliant

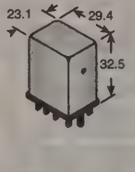
UL Recognized
File No. E43641

For quantities of 100 and up, call for quote.

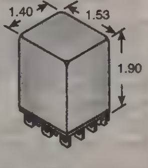
MOUSER STOCK NO.	Magnecraft® Part No.	Supercedes	Fig.	Contact		Coil		Price Each			
				Form	Rating	Volts	Ω	1	10	25	50
528-2507-7	755XBXCD-24D	W250ML2CPX-7	D9	DPDT	16A	24 VDC	350/350	**13.56**	**11.29**	**10.67**	**10.05**
528-2505-8	755XBXC-24A	W250AML2CPX-8	D10	DPDT	16A	24 VAC	470	**14.28**	**11.89**	**11.23**	**10.58**
528-2505-9	755XBXC-110/120A	W250AML2CPX-9	D10	DPDT	16A	120 VAC	10000	**14.28**	**11.89**	**11.23**	**10.58**
Sockets for Class 755/250ML Relays											
528-464	70-464-1	----	----	8 Pin Octal DIN/Panel mount with screw terminals				**1.87**	**1.73**	**1.64**	**1.55**
528-465	70-465-1	----	----	11 Pin Octal DIN/Panel mount with screw terminals				**2.76**	**2.56**	**2.43**	**2.30**

DIMENSIONS: in.

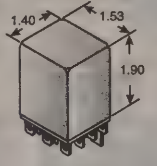
A



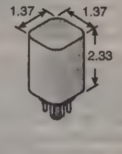
B



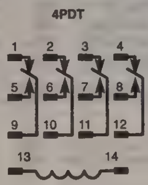
C



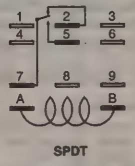
D



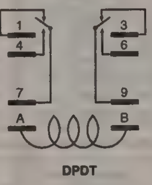
1



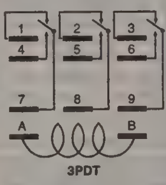
2



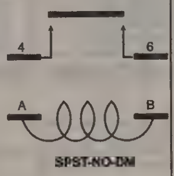
3



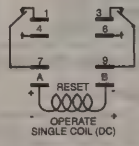
4



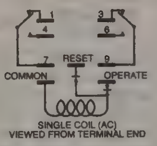
5



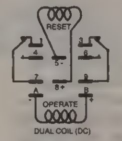
6



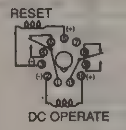
7



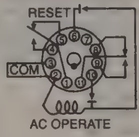
8



9



10



MAGNECRAFT General Purpose Relays

a company of Schneider Electric

Magnecraft
Your Contact for Industrial Relays

SERIES 712 ALTERNATING RELAYS

NEW FROM SUPPLIER

Specifications:
- Input Voltage: 12, 24, 120, VAC/VDC, 240 VAC
- Time delay-fixed, approximately 0.5 seconds
- SPDT or DPDT
- AC1 Rating: 12 A resistive @120, 240 VAC
- DC1 Rating: 12 A resistive 1/3 hp @120 VAC; 1/2 @ 240 VAC

Features:
- Alternating or Electrically Locked Operation
- Normally Alternate the Load or Electrically Lock During Service Calls
- 2 LED Status Indicators
- Quickly Review the Internal Relay Status
- 12 AMP Load Rating

RoHS Compliant
168986

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Price Each			
			Form	Rating	1	10	25	50
528-712XAXC-120	712XAXC-120	A	SPDT	12A	105.00	87.42	82.59	77.76
528-712XBXC-120	712XBXC-120	A	DPDT	12A	106.00	88.26	83.38	78.50
528-712XBXCK1-120	712XBXCK1-120	A	DPDT	12A	108.00	89.92	84.95	79.98
528-712XBXCK-120	712XBXCK-120	A	DPDT	12A	108.00	89.92	84.95	79.98

CLASS 389F FLANGE MOUNT POWER RELAYS

Specifications:
- Contact resistance: 50mΩ max. initially
- Coil power: 1.44 watts for DC coils, 2 VA to 3.5 VA for AC coils
- Contact material: 0.250 silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 1600 Vrms

E43641 168986

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supercedes	Fig.	Contact		Coil		Price Each			
				Form	Rating	Volts	Ω	1	10	25	50
528-389FXBXC1-12D	389FXBXC1-12D	W389CX-7	B2	DPDT	25A	12 VDC	100	17.92	14.91	14.09	13.27
528-389FXBXC1-24D	389FXBXC1-24D	W389CX-8	B2	DPDT	25A	24 VDC	400	17.92	14.91	14.09	13.27
528-389FXCXC1-12D	389FXCXC1-12D	W389CX-12	B3	3PDT	20A	12 VDC	100	17.92	14.91	14.09	13.27
528-389FXCXC1-24D	389FXCXC1-24D	W389CX-13	B3	3PDT	20A	24 VDC	400	17.92	14.91	14.09	13.27
528-389FXBXC1-24A	389FXBXC1-24A	W389ACX-8	B2	DPDT	25A	24 VAC	72	17.56	14.62	13.82	13.01
528-389FXBXC1-120A	389FXBXC1-120A	W389ACX-9	B2	DPDT	25A	120 VAC	1700	16.13	13.43	12.69	11.95
528-389FXBXC1-240A	389FXBXC1-240A	W389ACX-10	B2	DPDT	25A	240 VAC	7200	18.58	15.46	14.60	13.75
528-389FXCXC1-120A	389FXCXC1-120A	W389ACX-14	B3	3PDT	20A	120 VAC	1200	17.98	14.97	14.14	13.31
528-389FXCXC1-240A	389FXCXC1-240A	W389ACX-15	B3	3PDT	20A	240 VAC	4600	14.16	11.78	11.13	10.48

CLASS 781 SLIM POWER RELAYS (FULL-FEATURED)

Specifications:
- Coil power: 0.7 watts DC, 0.9 VA (60Hz) AC @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 1500 Vrms

Features:
- Pushbutton allows for manual operation of the relay without coil power
- Flag indicator shows relay status of either manual or powered
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cover

E43641 168986

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supercedes	Fig.	Contact		Coil		Price Each			
				Form	Rating	Volts	Ω	1	10	25	50
528-781XAXM4L-24A	781XAXM4L-24A	781XAXML-24A	C4	SPDT	20A	24VAC	160	6.21	5.18	4.89	4.60
528-781XAXM4L-120A	781XAXM4L-120A	781XAXML-120A	C4	SPDT	20A	120VAC	4430	6.21	5.18	4.89	4.60
528-781XAXM4L-240A	781XAXM4L-240A	781XAXML-240A	C4	SPDT	20A	240VAC	15720	6.81	5.67	5.35	5.04
528-781XAXM4L-12D	781XAXM4L-12D	781XAXML-12D	C4	SPDT	20A	12VDC	188	6.33	5.27	4.98	4.69
528-781XAXM4L-24D	781XAXM4L-24D	781XAXML-24D	C4	SPDT	20A	24VDC	750	6.33	5.27	4.98	4.69
528-781XAXM4L-110D	781XAXM4L-110D	781XAXML-110D	C4	SPDT	20A	110VDC	13800	6.93	5.77	5.45	5.14

Sockets and Hold Down Clip for Class 781 Relays

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Description	Price Each			
			1	10	25	50
528-70781D5-1	70-781D5-1	5 Pin DIN/Panel mount with screw terminals	4.65	4.29	4.08	3.88
528-70781F1	70-781F-1	5 Pin Solder terminals for Panel Mount	1.83	1.69	1.61	1.54
528-70781T1	70-781T-1	5 Pin PC terminals	1.82	1.68	1.60	1.52
528-16-781SC	16-781SC	Metal hold down clip for 70781D5-1	1.27	1.16	1.10	1.04

CLASS 788 SQUARE BASE GENERAL PURPOSE RELAYS (FULL-FEATURED)

Specifications:
- UL Listed when used with DIN mount socket 528-4631
- Contact resistance: 50mΩ max. @10 amps
- Coil power: 1.4 watts DC, 2 VA to 3.55 VA (60Hz) AC @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 2500 Vrms

Features:
- Lock-down door holds pushbutton and contacts in the operate position
- Flag indicator shows relay status
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cover

E43641 168986

Solder/Plug-in

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-788X4-12D	788XBXM4L-12D	D5	DPDT	16A	12 VDC	120	12.01	11.16	10.60	10.04
528-788X4-24D	788XBXM4L-24D	D5	DPDT	16A	24 VDC	470	12.01	11.16	10.60	10.04
528-788X4-110D	788XBXM4L-110D	D5	DPDT	16A	110 VDC	10,000	11.95	11.72	10.39	9.83
528-788XC4-12D	788XCXM4L-12D	D6	3PDT	16A	12 VDC	120	13.81	12.84	12.20	11.56
528-788XC4-24D	788XCXM4L-24D	D6	3PDT	16A	24VDC	470	13.81	12.84	12.20	11.56
528-788XC4-110D	788XCXM4L-110D	D6	3PDT	16A	110 VDC	10,000	13.88	12.91	12.27	11.63
528-788X4-240A	788XBXM4L-240A	D5	DPDT	16A	240 VAC	9100	11.93	11.08	10.52	9.96
528-788XC4-24A	788XCXM4L-24A	D6	3PDT	16A	24 VAC	72	14.07	13.10	12.46	11.82
528-788XC4-120A	788XCXM4L-120A	D6	3PDT	16A	120 VAC	1700	14.07	13.10	12.46	11.82

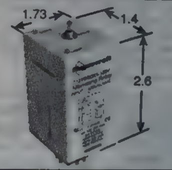
Sockets and Hold Down Clip for Class 788 Relays

For quantities of 100 and up, call for quote.

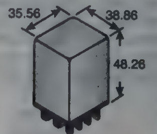
MOUSER STOCK NO.	Magnecraft® Part No.	Description	Price Each			
			1	10	25	50
528-1241	70-124-1	11 Pin Solder terminals with mounting tabs	1.18	1.10	1.04	.99
528-1242	70-124-2	11 Pin Q.C. terminals with mounting tabs	1.18	1.10	1.04	.99
528-1781	70-178-1	11 Pin PC terminals with mounting tabs	1.14	1.06	1.00	.95
528-1782	70-178-2	11 Pin PC terminals without mounting tabs	1.14	1.06	.96	.91
528-4631	70-463-1	11 Pin DIN/Panel mount with screw terminals	3.20	2.95	2.80	2.64
528-16-1351	16-1351	Metal hold down clip	.66	.54	.51	.48

DIMENSIONS: mm

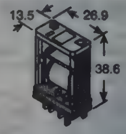
A



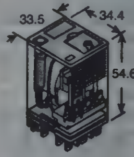
B



C

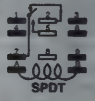


D

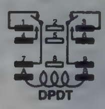


TERMINAL ARRANGEMENT

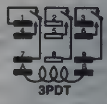
1



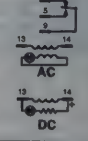
2



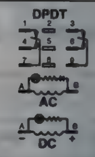
3



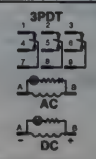
4



5



6



MAGNECRAFT General Purpose & Time Delay Relays

a company of Schneider Electric

Magnecraft *Your Contact for Industrial Relays*

CLASS 750 OCTAL POWER RELAYS

Specifications:
- Contact resistance: 50mΩ max. @10A
- Coil power: 1.2W DC. 2 VA -2.75 (60Hz) AC. @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Dielectric strength: 1500 Vrms
- Class B insulation

E43641 LR40787

8 Pin

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-2503-8	750XBXC-24A	A1	DPDT	16A	24 VAC	72	9.24	8.60	8.18	7.75
528-2503-9	750XBXC-120A	A1	DPDT	16A	120 VAC	1700	9.22	8.58	8.16	7.73
528-2503-13	750XCXC-24A	A2	3PDT	16A	24 VAC	72	11.31	10.53	10.01	9.49

8 and 11 Pin

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-2506-6	750XBXC-12D	A1	DPDT	16A	12 VDC	120	8.99	8.35	7.93	7.50
528-2506-7	750XBXC-24D	A1	DPDT	16A	24 VDC	470	8.99	8.35	7.93	7.50
528-2506-10	750XCXC-12D	A2	3PDT	16A	12 VDC	120	11.04	10.26	9.74	9.22

Sockets for Class 750 Relays

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Description	Price Each			
				1	10	25	50
528-464	70-464-1	----	8 Pin Octal DIN/Panel mount with screw terminals	1.87	1.73	1.64	1.55
528-465	70-465-1	----	11 Pin Octal DIN/Panel mount with screw terminals	2.76	2.56	2.43	2.30

CLASS 750 OCTAL BASE GENERAL PURPOSE RELAYS (FULL-FEATURED)

Specifications:
- UL Listed when used with DIN mount sockets 528-464 or 528-465 listed below
- Contact resistance: 50mΩ max. @10 amps
- Coil power: 1.4 watts DC, 2 VA to 3.55 VA (60Hz) AC @ 25°C
- Contact material: silver cadmium oxide, gold flashed
- Class B insulation
- Dielectric strength: 2500 Vrms

Features:
- Lock-down door holds pushbutton and contacts in the operate position
- Flag indicator shows relay status
- LED status lamp shows coil "on" or "off" status
- Polycarbonate dust cover

Applications:
- Ideal in low light conditions
- Ideal to test control circuits
- Excellent to analyze circuit problems

E43641 LR40787

8 Pin

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-750X4-12D	750XBXM4L-12D	B3	DPDT	16A	12 VDC	120	12.12	11.26	10.68	10.11
528-750X4-24D	750XBXM4L-24D	B3	DPDT	16A	24 VDC	470	12.12	11.26	10.68	10.11
528-750X4-24A	750XBXM4L-24A	B3	DPDT	16A	24 VAC	72	12.31	11.45	10.87	10.30
528-750X4-120A	750XBXM4L-120A	B3	DPDT	16A	120 VAC	1700	12.31	11.45	10.87	10.30
528-750X4-240A	750XBXM4L-240A	B3	DPDT	16A	240 VAC	9100	12.27	11.41	10.83	10.26

11 Pin

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
528-750XC4-12D	750XCXM4L-12D	B4	3PDT	16A	12 VDC	120	14.23	13.23	12.56	11.90
528-750XC4-24D	750XCXM4L-24D	B4	3PDT	16A	24 VDC	470	14.23	13.23	12.56	11.90
528-750XC4-120A	750XCXM4L-120A	B4	3PDT	16A	120 VAC	1700	14.48	13.48	13.01	12.35
528-750XC4-240A	750XCXM4L-240A	B4	3PDT	16A	240 VAC	9100	15.07	14.07	13.40	12.74

Sockets for Class 750 Relays

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Description	Price Each			
				1	10	25	50
528-464	70-464-1	----	8 Pin Octal DIN/Panel mount with screw terminals	1.87	1.73	1.64	1.55
528-465	70-465-1	----	11 Pin Octal DIN/Panel mount with screw terminals	2.76	2.56	2.43	2.30
528-16-1351	16-1351	----	Metal hold down clip	.66	.54	.51	.48

CLASS 750 OCTAL BASE GENERAL PURPOSE RELAYS (FULL-FEATURED)

Specifications:
- Rated at 30A Switching; NC Contacts rated at 3A
- Contact resistance: 100;000,000 @ initial rated current (switched)
- Contact material: silver alloy
- Class F insulation
- Dielectric strength: 1500Vrms
- Mechanical Life: 5,000,000
- Flange Mounting
- 1/4" Quick-Connect Terminals for simple connection

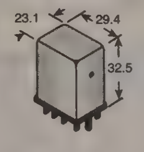
E43641

For quantities of 100 and up, call for quote.

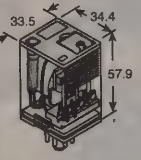
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact		Coil		Price Each			
			Form	Rating	Volts	Ω	1	10	25	50
Flange Mount										
528-92722-12	W92S7D22D-12D	C5	DPST-NO	30A	12 VDC	86	9.02	8.36	7.93	7.49
528-92722-24	W92S7D22D-24D	C5	DPST-NO	30A	24 VDC	350	9.02	8.36	7.93	7.49
528-921122-12	W92S11D22D-12D	C5	DPDT	30A	12 VDC	86	10.13	9.39	8.89	8.39
528-921122-24	W92S11D22D-24D	C5	DPDT	30A	24 VDC	350	10.13	9.39	8.89	8.39
528-92S7A22-24	W92S7A22D-24A	C6	DPST-NO	30A	24 VAC	250	10.85	10.07	9.55	9.03
528-92722-120	W92S7A22D-120A	C7	DPST-NO	30A	120 VAC	1600	11.91	11.05	10.48	9.91
528-92S11A22-24	W92S11A22D-24A	C8	DPDT	30A	24 VAC	250	12.30	11.41	10.81	10.22
528-921122-120	W92S11A22D-120A	C8	DPDT	30A	120 VAC	1600	12.30	11.41	10.81	10.22

DIMENSIONS: mm

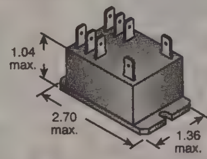
A



B

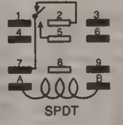


C

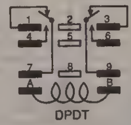


TERMINAL ARRANGEMENT

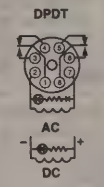
1



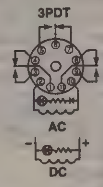
2



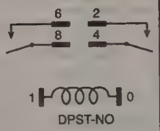
3



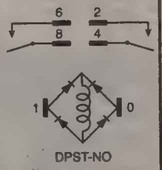
4



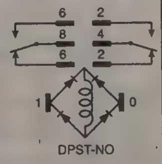
5



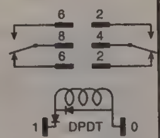
6



7



8



MAGNECRAFT Time Delay and Heavy-Duty Relays

a company of Schneider Electric

Magnecraft
Your Contact for Industrial Relays

CLASS 781 SLIM POWER RELAYS (FULL-FEATURED)

Specifications:

- Contact rating: 12A
- Contact material: silver cadmium oxide, gold flashed
- Nominal input: 24-240 VAC/VDC
- Operating modes available: on delay, repeat, one shot, off delay, and interval
- 10 Timing functions available.
- 10 Timing scales ranging from 0.1 sec. to 10 hours.

Features:

- Unique and versatile with up to 10 functions in a single package.
- 2 LED lamp indicator
- Class F insulation
- Panel mount adapter included.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Supercedes	Fig.	Contact Form	Style	No. of Function	Price Each			
							1	10	25	50
528-TDRPRO-5100	TDRPRO-5100	TDRPRO-5000	A1	DPDT	11-Pin, 12 Amp	10	87.20	72.60	68.59	64.58
528-TDRPRO-5101	TDRPRO-5101	TDRPRO-5001	A2	SPDT	8-Pin, 12 Amp	10	87.20	72.60	68.59	64.58
528-TDRPRO-5102	TDRPRO-5102	TDRPRO-5002	A3	DPDT	8-Pin, 12 Amp	3	87.20	72.60	68.59	64.58

Sockets for Series TDRPRO Programmable Time-Delay Relays

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Description	Price Each			
			1	10	25	50
528-464	70-464-1	8 Pin Octal DIN/Panel mount with screw terminals	1.87	1.73	1.64	1.55
528-465	70-465-1	11 Pin Octal DIN/Panel mount with screw terminals	2.76	2.56	2.43	2.30

CLASS TDRSOX/SRX COMPACT TIME DELAY RELAYS

E43641

Specifications:

- Contact material: Silver alloy
- Contact rating: 12A
- Temp Range: -20°C to + 55°C
- Wide Time Range: 0.1 seconds to 10 hour, 8 scales, fine adjustment with knob
- Indicator LED's: Green-power applied, Red-output energized
- Compact Size: 36mm wide to optimize DIN Rail space

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact Form	Input Voltage	Mating Socket Part No.	Price Each			
						1	10	25	50
8 Pin Octal Base - On Delay / Interval									
528-TDRSOXP-24V	TDRSOXP-24V	B	DPDT	24 VAC/VDC	528-464	36.00	30.64	28.98	27.32
528-TDRSOXP-120V	TDRSOXP-120V	B	DPDT	120 VAC/VDC	528-464	36.00	30.64	28.98	27.32
11 Pin Octal Base - Off Delay / Retriggerable One Shot									
528-TDRSRXP-24V	TDRSRXP-24V	B	DPDT	24 VAC/VDC	528-465	36.32	30.96	29.30	27.64
528-TDRSRXP-120V	TDRSRXP-120V	B	DPDT	120 VAC/VDC	528-465	36.32	30.96	29.30	27.64
8 Blade Square Base - On Delay / Interval									
528-TDRSOXB-24V	TDRSOXB-24V	C	DPDT	24 VAC/VDC	528-4631	36.00	30.64	28.98	27.32
528-TDRSOXB-120V	TDRSOXB-120V	C	DPDT	120 VAC/VDC	528-4631	36.00	30.64	28.98	27.32
10 Blade Square Base - Off Delay / Retriggerable One Shot									
528-TDRSRXB-24V	TDRSRXB-24V	C	DPDT	24 VAC/VDC	528-4631	36.32	30.96	29.30	27.64
528-TDRSRXB-120V	TDRSRXB-120V	C	DPDT	120 VAC/VDC	528-4631	36.32	30.96	29.30	27.64

TDR782 MINIATURE TIME DELAY RELAYS

NEW FROM SUPPLIER

Features:

- A Single-function, single-voltage time delay relay with multiple time ranges.
- Available as a DPDT and 4PDT to meet your individual needs.
- Switching capabilities of either 3 or 5 amps.
- Two LED status indicators which indicate status at a glance.

Specifications:

- Timing Range: 0.1s to 100hrs.
- Tolerance: Mechanical Setting 5%.
- Reset Time: Maximum 50mS.

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Input Voltage	Price Each			
				1	10	25	50
DPDT, 5 Amps							
528-TDR782XBXA-12D	TDR782XBXA-12D	D	12 VDC	36.91	30.73	29.04	27.34
528-TDR782XBXA-24D	TDR782XBXA-24D	D	24VDC	36.91	30.73	29.04	27.34
528-TDR782XBXA-24A	TDR782XBXA-24A	D	24 VAC	36.91	30.73	29.04	27.34
528-TDR782XBXA-110A	TDR782XBXA-110A	D	110 VAC	37.45	31.19	29.46	27.74
4PDT, 3 Amps							
528-TDR782XDXA-12D	TDR782XDXA-12D	D	12 VDC	37.63	31.33	29.60	27.87
528-TDR782XDXA-24D	TDR782XDXA-24D	D	24VDC	37.63	31.33	29.60	27.87
528-TDR782XDXA-24A	TDR782XDXA-24A	D	24 VAC	37.63	31.33	29.60	27.87
528-TDR782XDXA-110A	TDR782XDXA-110A	D	110 VAC	38.29	31.87	30.11	28.35

Sockets for TDR782 Relays

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Description	Price Each			
			1	10	25	50
528-3781	70-378-1	14 Pin Solder terminals, 4 Pole.	.81	.75	.72	.68
528-3791	70-379-1	14 Pin PC terminals, 4 Pole.	1.11	1.03	.98	.93
528-461	70-461-1	14 Pin Screw terminals, DIN Mount, 2 Pole.	3.30	3.05	2.89	2.72

CLASS TDRSOX/SRX COMPACT TIME DELAY RELAYS

NEW FROM SUPPLIER

Features:

- Hybrid Circuitry.
- Variable Trip Point.
- 24 to 240 VAC.
- Solid State for Timing Electromechanical Relay for Switching.
- Timing Capabilities
- Capable for Sensing Over/Under Loads
- Wide Input Voltage Range
- Defines How Long After the Trip-Point Has Been Violated, the Contacts Should Change Status

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact Form	Input Voltage	Mating Socket Part No.	Price Each			
						1	10	25	50
528-841CS1-UNI	841CS1-UNI	E	1	SPDT	24-240 VAC	67.80	56.45	53.33	50.22
528-841CS2-UNI	841CS2-UNI	E	2	SPDT	24-240 VAC	67.80	56.45	53.33	50.22
528-841CS5-UNI	841CS5-UNI	E	5	SPDT	24-240 VAC	67.80	56.45	53.33	50.22
528-841CS8-UNI	841CS8-UNI	E	8	SPDT	24-240 VAC	67.80	56.45	53.33	50.22

TYPE 821 TIME DELAY AND TYPE 831 VOLTAGE SENSING RELAYS

Features for Type 821:

- SPDT or DPDT
- 10 Timing Functions
- 2 Status LEDs
- Output Terminals DPDT (822 Version)
- 0.1 second to 10 days
- Clips directly to Din Rail

Features for Type 831:

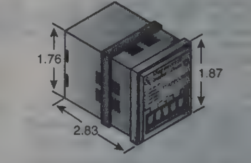
- 10 Time ranges available.
- Two Status LEDs
- Sense over voltage, under voltage or both
- Clips directly to 35mm Din Rail

For quantities of 100 and up, call for quote.

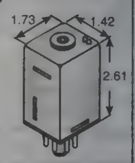
MOUSER STOCK NO.	Magnecraft® Part No.	Fig.	Contact Form	Input Voltage	Mating Socket Part No.	Price Each			
						1	10	25	50
820 Series Time Delay Relays, 15A									
528-821TDR10H-UNI	821TDR10H-UNI	F	SPDT	12-240 VAC/VDC	0.1 Sec. to 10 Days	63.72	53.05	50.12	47.19
528-822TDR10H-UNI	822TDR10H-UNI	F	DPDT	12-240 VAC/VDC	0.1 Sec. to 10 Days	73.63	61.30	57.92	54.53
831 Voltage Sensing Relays, 15A									
528-831VS-120A	831VS-120A	G	SPDT	120VAC	Upper: 80...150 VAC Lower: 30...99%	67.80	56.45	53.33	50.22

DIMENSIONS: in.

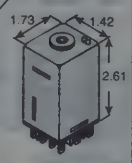
A



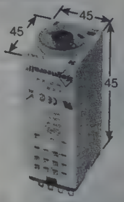
B



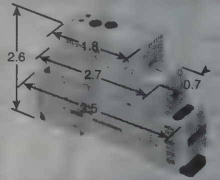
C



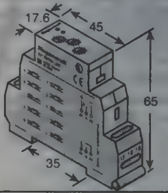
D



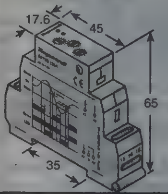
E



F

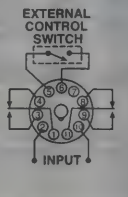


G

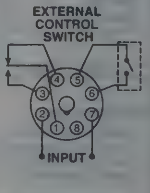


TERMINAL ARRANGEMENT

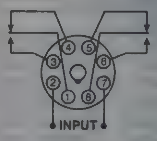
1



2



3



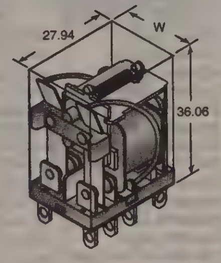
OMRON LY SERIES: GENERAL PURPOSE RELAYS

Specifications:
- Operate/Release time: 25/25 ms
- Mechanical Life: AAC-50 million operations min. (at 18,000/hr.)
  DC-1 billion operations min. (at 18,000/hr.)

Features:
- Arc barrier equipped
- High dielectric strength (2000 VAC)

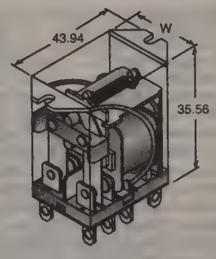
DIMENSIONS: mm

A



Shown w/plug-in/solder terminals

B



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Terminal Type	Mounting Type	Coil Voltage	Contact Form	Contact Rating	Dim. "W"(mm)	Price Each			
									1	25	50	100
653-LY1-0-DC12	LY1-0-DC12	A	PCB	Standard	12VDC	SPDT	15 A	21.59	6.68	6.00	5.65	5.48
653-LY1-0-DC24	LY1-0-DC24	A	PCB	Standard	24VDC	SPDT	15 A	21.59	6.68	6.00	5.65	5.48
653-LY1-0-AC24	LY1-0-AC24	A	PCB	Standard	24VAC	SPDT	15 A	21.59	6.68	6.00	5.65	5.48
653-LY1-0-AC1	LY1-0-AC110/120	A	PCB	Standard	110/120VAC	SPDT	15 A	21.59	6.68	6.00	5.65	5.48
653-LY2-0-DC12	LY2-0-DC12	A	PCB	Standard	12VDC	DPDT	10A	21.59	6.38	5.72	5.40	5.23
653-LY2-0-DC24	LY2-0-DC24	A	PCB	Standard	24VDC	DPDT	10A	21.59	7.50	6.73	6.34	6.15
653-LY2-0-AC24	LY2-0-AC24	A	PCB	Standard	24VAC	DPDT	10A	21.59	7.50	6.73	6.34	6.15
653-LY2-0-AC1	LY2-0-AC110/120	A	PCB	Standard	110/120VAC	DPDT	10A	21.59	6.38	5.72	5.40	5.23
653-LY4-0-DC24	LY4-0-DC24	A	PCB	Standard	24VDC	4PDT	10A	41.4	11.96	10.73	10.12	9.81
653-LY1-DC12	LY1-DC12	A	Plug-in/Solder	Standard	12VDC	SPDT	15 A	21.59	6.37	5.72	5.39	5.23
653-LY1-DC24	LY1-DC24	A	Plug-in/Solder	Standard	24VDC	SPDT	15 A	21.59	5.42	4.87	4.59	4.45
653-LY1-AC24	LY1-AC24	A	Plug-in/Solder	Standard	24VAC	SPDT	15 A	21.59	6.68	6.00	5.65	5.48
653-LY1-AC1	LY1-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	SPDT	15 A	21.59	5.69	5.10	4.81	4.67
653-LY2-DC12	LY2-DC12	A	Plug-in/Solder	Standard	12VDC	DPDT	10A	21.59	6.38	5.72	5.40	5.23
653-LY2-DC24	LY2-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59	6.38	5.72	5.40	5.23
653-LY2-DC48	LY2-DC48	A	Plug-in/Solder	Standard	48VDC	DPDT	10A	21.59	7.50	6.73	6.34	6.15
653-LY2-AC12	LY2-AC12	A	Plug-in/Solder	Standard	12VAC	DPDT	10A	21.59	7.50	6.73	6.34	6.15
653-LY2-AC24	LY2-AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10A	21.59	6.38	5.72	5.40	5.23
653-LY2-AC1	LY2-AC110/120	A	Plug-in/Solder	Standard	110/120VAC	DPDT	10A	21.59	7.50	6.73	6.34	6.15
653-LY3-DC12	LY3-DC12	A	Plug-in/Solder	Standard	12VDC	3PDT	10A	31.49	10.26	9.21	8.69	8.42
653-LY3-DC24	LY3-DC24	A	Plug-in/Solder	Standard	24VDC	3PDT	10A	31.49	10.26	9.21	8.69	8.42
653-LY3-AC24	LY3-AC24	A	Plug-in/Solder	Standard	24VAC	3PDT	10A	31.49	10.26	9.21	8.69	8.42
653-LY3-AC1	LY3-AC120	A	Plug-in/Solder	Standard	120VAC	3PDT	10A	31.49	10.26	9.21	8.69	8.42
653-LY4-DC12	LY4-DC12	A	Plug-in/Solder	Standard	12VDC	4PDT	10A	41.4	10.18	9.14	8.61	8.35
653-LY4-DC24	LY4-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.4	11.96	10.73	10.12	9.81
653-LY4-AC24	LY4-AC24	A	Plug-in/Solder	Standard	24VAC	4PDT	10A	41.4	11.96	10.73	10.12	9.81
653-LY4-AC1	LY4-AC120	A	Plug-in/Solder	Standard	120VAC	4PDT	10A	41.4	11.96	10.73	10.12	9.81
653-LY4-AC240	LY4-AC240	A	Plug-in/Solder	Standard	240VAC	4PDT	10A	41.4	12.45	11.17	10.54	10.22
653-LY1F-DC12	LY1F-DC12	B	Plug-in/Solder	Upper	12VDC	SPDT	15 A	22.6	6.79	6.09	5.74	5.57
653-LY1F-DC24	LY1F-DC24	B	Plug-in/Solder	Upper	24VDC	SPDT	15 A	22.6	6.79	6.09	5.74	5.57
653-LY1F-AC24	LY1F-AC24	B	Plug-in/Solder	Upper	24VAC	SPDT	15 A	22.6	6.79	6.09	5.74	5.57
653-LY1F-AC1	LY1F-AC110/120	B	Plug-in/Solder	Upper	110/120VAC	SPDT	15 A	22.6	6.79	6.09	5.74	5.57
653-LY2F-DC12	LY2F-DC12	B	Plug-in/Solder	Upper	12VDC	DPDT	10A	22.6	7.66	6.87	6.48	6.28
653-LY2F-DC24	LY2F-DC24	B	Plug-in/Solder	Upper	24VDC	DPDT	10A	22.6	6.52	5.85	5.51	5.35
653-LY2F-AC24	LY2F-AC24	B	Plug-in/Solder	Upper	24VAC	DPDT	10A	22.6	7.66	6.87	6.48	6.28
653-LY2F-AC1	LY2F-AC110/120	B	Plug-in/Solder	Upper	110/120VAC	DPDT	10A	22.6	7.66	6.87	6.48	6.28
653-LY2F-AC220-240	LY2F-AC220-240	B	Plug-in/Solder	Upper	220/240VAC	DPDT	10A	22.6	8.17	7.33	6.91	6.70
653-LY3F-DC12	LY3F-DC12	B	Plug-in/Solder	Upper	12VDC	3PDT	10A	32	10.26	9.21	8.69	8.42
653-LY3F-DC24	LY3F-DC24	B	Plug-in/Solder	Upper	24VDC	3PDT	10A	32	10.26	9.21	8.69	8.42
653-LY3F-AC24	LY3F-AC24	B	Plug-in/Solder	Upper	24VAC	3PDT	10A	32	10.26	9.21	8.69	8.42
653-LY3F-AC1	LY3F-AC120	B	Plug-in/Solder	Upper	120VAC	3PDT	10A	32	10.26	9.21	8.69	8.42
653-LY4F-DC12	LY4F-DC12	B	Plug-in/Solder	Upper	12VDC	4PDT	10A	41.4	11.96	10.73	10.12	9.81
653-LY4F-DC24	LY4F-DC24	B	Plug-in/Solder	Upper	24VDC	4PDT	10A	41.4	11.96	10.73	10.12	9.81
653-LY4F-AC24	LY4F-AC24	B	Plug-in/Solder	Upper	24VAC	4PDT	10A	41.4	11.96	10.73	10.12	9.81
653-LY4F-AC1	LY4F-AC120	B	Plug-in/Solder	Upper	120VAC	4PDT	10A	41.4	11.96	10.73	10.12	9.81
653-LY2N-D2-DC24	LY2N-D2-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59	16.54	14.84	13.99	13.57
653-LY2N-DC24	LY2N-DC24	A	Plug-in/Solder	Standard	24VDC	DPDT	10A	21.59	10.06	9.03	8.52	8.26
653-LY2N-AC24	LY2N-AC24	A	Plug-in/Solder	Standard	24VAC	DPDT	10A	21.59	10.06	9.03	8.52	8.26
653-LY2N-AC110-120	LY2N-AC110-120	A	Plug-in/Solder	Standard	110/120VAC	DPDT	10A	21.59	8.17	7.33	6.91	6.70
653-LY2N-AC220-240	LY2N-AC220-240	A	Plug-in/Solder	Standard	220/240VAC	DPDT	10A	21.59	10.51	9.44	8.90	8.63
653-LY4N-AC110-120	LY4N-AC110-120	A	Plug-in/Solder	Standard	110/120VAC	4PDT	10A	41.4	12.08	10.84	10.22	9.91
653-LY4N-AC120	LY4N-AC120	A	Plug-in/Solder	Standard	120VAC	4PDT	10A	41.4	16.44	14.75	13.91	13.49
653-LY4N-DC24	LY4N-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.4	16.44	14.75	13.91	13.49
653-LY4N-D2-DC24	LY4N-D2-DC24	A	Plug-in/Solder	Standard	24VDC	4PDT	10A	41.4	16.54	14.84	13.99	13.57

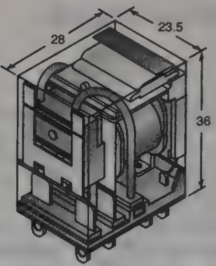
Accessories for LY Series		Description				
653-PT08	PT08	Back connecting socket for SPDT & DPDT, solder	1.58	1.42	1.34	1.30
653-PT08-0	PT08-0	PC terminal socket for SPDT & DPDT, PCB	1.58	1.42	1.34	1.30
653-PT14-0	PT14-0	PC terminal socket for 4PDT, PCB	2.44	2.19	2.06	2.00
653-PTF08A-E	PTF08A-E	Track mounted socket for SPDT and DPDT	3.89	3.75	3.68	3.56
653-PTF11A	PTF11A	Track mounted socket for 3PDT	6.96	6.24	5.89	5.71
653-PTF14A-E	PTF14A-E	Track mounted socket for 4PDT	7.65	6.87	6.48	6.28
653-PYC-P	PYC-P	Hold-down clip for back connecting socket	.24	.22	.20	.20
653-PFP-M	PFP-M	DIN rail end stop plate	.52	.49	.46	.43
653-PFP-S	PFP-S	Spacer	.35	.33	.31	.29
653-PFP-50N	PFP-50N	DIN rail 50cm (19.5")	5.86	5.52	5.17	4.83
653-PFP-100N	PFP-100N	DIN rail 100cm (39")	6.56	5.60	5.15	4.65

OMRON General Purpose Relays

OMRON MY/MY-S SERIES: GENERAL PURPOSE RELAYS

Specifications:
- Operate/Release time: 25/25 ms
- Mechanical Life: AAC-50 million operations min. (at 18,000/hr.) DC-1 billion operations min. (at 18,000/hr.)

Features:
- Arc barrier equipped
- High dielectric strength (2000 VAC)



DIMENSIONS: mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Rating	Coil Voltage	Contact Form	Price Each			
					1	25	50	100
653-MY2-DC12	MY2-DC12(S)	10A	12VDC	DPDT	4.50	4.04	3.80	3.69
653-MY2-DC24	MY2-DC24(S)	10A	24VDC	DPDT	5.28	4.74	4.47	4.34
653-MY2-AC24	MY2-AC24(S)	10A	24VAC	DPDT	5.28	4.74	4.47	4.34
653-MY2-AC1	MY2-AC110/120(S)	10A	110/120VAC	DPDT	5.48	4.92	4.64	4.50
653-MY2N-D2-DC24S	MY2N-D2-DC24(S)	10A	24VDC	DPDT	11.85	10.63	10.02	9.72
653-MY2N-DC12S	MY2N-DC12(S)	10A	12VDC	DPDT	6.55	5.88	5.55	5.38
653-MY2N-DC24S	MY2N-DC24(S)	10A	24VDC	DPDT	5.92	5.32	5.01	4.86
653-MY4-02-AC110-120	MY4-02-AC110-120	5A	110/120VAC	4PDT	6.78	6.09	5.74	5.56
653-MY4-DC12	MY4-DC12(S)	5A	12VDC	4PDT	5.38	4.83	4.55	4.42
653-MY4-DC24	MY4-DC24(S)	5A	24VDC	4PDT	5.38	4.83	4.55	4.42
653-MY4-AC24	MY4-AC24(S)	5A	24VAC	4PDT	6.32	5.68	5.35	5.19
653-MY4-AC1	MY4-AC110/120(S)	5A	110/120VAC	4PDT	5.52	4.95	4.67	4.53
653-MY4-AC220-240S	MY4-AC220-240S	5A	220/240VAC	4PDT	7.32	6.57	6.19	6.00
653-MY4N-D2-DC24S	MY4N-D2-DC24(S)	5A	24VDC	4PDT	13.13	11.78	11.11	10.77
653-MY4N-DC12(S)	MY4N-DC12(S)	5A	12VDC	4PDT	7.00	6.29	5.93	5.75
653-MY4N-DC24S	MY4N-DC24(S)	5A	12VDC	4PDT	7.00	6.29	5.93	5.75
653-MY4N-AC24S	MY4N-AC24(S)	5A	24VAC	4PDT	7.41	6.65	6.27	6.08
653-MY4IN-DC24(S)	MY4IN-DC24(S)	5A	24VDC	4PDT	7.41	6.65	6.27	6.08
653-MY4ZN-DC24S	MY4ZN-DC24(S)	5A	24VDC	4PDT	13.13	11.78	11.11	10.77

Accessories for MY Series

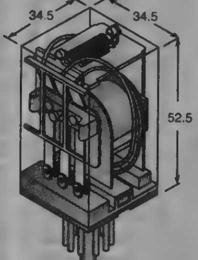
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-PY08	PY08	Back connecting socket for DPDT, solder terminals	1.11	1.00	.94	.91
653-PY08-02	PY08-02	Back connecting socket for DPDT, PCB terminals	1.11	1.00	.94	.91
653-PYF08A-E	PYF08A-E	Track mounted socket for DPDT	4.46	4.01	3.78	3.66
653-PYF08S	PYF08S	Screwless clamp terminal socket for DPDT	5.97	5.36	5.05	4.90
653-PY14	PY14	Back connecting socket for 4PDT, solder terminals	1.82	1.63	1.54	1.49
653-PY14-02	PY14-02	Back connecting socket for 4PDT, PCB terminals	1.55	1.39	1.31	1.27
653-PYF14A-E	PYF14A-E	Track mounted socket for 4PDT	6.18	5.83	5.49	5.33
653-PYF14S	PY14S	Screwless clamp termianl socket for 4PDT	9.83	8.82	8.32	8.07
653-PYC-A1	PYC-A1	Hold-down clip for track mounted socket	.24	.22	.20	.20
653-PYC-P	PYC-P	Hold-down clip for back connecting socket	.24	.22	.20	.20
653-PFP-M	PFP-M	DIN rail end stop plate	.52	.49	.46	.43
653-PFP-100N	PFP-100N	DIN rail 100cm (39")	6.56	5.60	5.15	4.65

OMRON MK SERIES: OCTAL BASE GENERAL PURPOSE RELAYS

Specifications:
- Operate/Release time: 20/20 ms (AC); 30/20 ms (DC)
- Contact resistance: 50mΩ max.

Features:
- Mechanical indicator and push-to-test button
- Silver contacts



DIMENSIONS: mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Rating	Coil Voltage	Contact Form	Price Each			
					1	25	50	100
653-MK2P-S-DC12	MK2P-S-DC12	DPDT	12VDC	10A	10.98	9.86	9.29	9.01
653-MK2P-S-DC24	MK2P-S-DC24	DPDT	24VDC	10A	10.98	9.86	9.29	9.01
653-MK2P-S-AC24	MK2P-S-AC24	DPDT	24VAC	10A	11.68	10.48	9.89	9.59
653-MK2P-S-AC120	MK2P-S-AC120	DPDT	120VAC	10A	11.95	10.72	10.11	9.80
653-MK2P-S-AC240	MK2P-S-AC240	DPDT	240VAC	10A	14.44	12.96	12.22	11.85
653-MK3P5-S-DC12	MK3P5-S-DC12	3PDT	12VDC	10A	13.35	11.98	11.30	10.96
653-MK3P5-S-DC24	MK3P5-S-DC24	3PDT	24VDC	10A	12.55	11.26	10.62	10.30
653-MK3P5-S-AC24	MK3P5-S-AC24	3PDT	24VAC	10A	12.55	11.26	10.62	10.30
653-MK3P5-S-AC120	MK3P5-S-AC120	3PDT	120VAC	10A	14.30	12.83	12.10	11.73
653-MK3P-5-S-AC240	MK3P-5-S-AC240	3PDT	240VAC	10A	14.19	12.74	12.01	11.65
653-MK2PN-S-AC24	MK2PN-S-AC24	DPDT	24VAC	10A	13.24	11.88	11.20	10.86
653-MK2PN-S-DC24	MK2PN-S-DC24	DPDT	24VDC	10A	13.24	11.88	11.20	10.86
653-MK3PN-5-S-AC120	MK3PN-5-S-AC120	3PDT	120VAC	10A	15.70	14.09	13.28	12.88

Accessories for MK Series

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	25	50	100
653-PTF11QDC	PTF11QDC	11-pin QC terminal, screw mount	1.66	1.49	1.40	1.36
653-PF083A-E	PF083A-E	8-pin octal for DPDT, track mount	4.69	4.21	3.97	3.85
653-PF113A-E	PF113A-E	11-pin octal for 3PDT, track mount	6.73	6.04	5.69	5.52
653-PFP-M	PFP-M	DIN rail end stop plate	.52	.49	.46	.43
653-PFP-S	PFP-S	Spacer	.35	.33	.31	.29
653-PFP-50N	PFP-50N	DIN rail 50 cm (19.5")	5.86	5.52	5.17	4.83
653-PFP-100N	PFP-100N	DIN rail 100cm (39")	6.56	5.60	5.15	4.65

OMRON General Purpose Relays

OMRON
ELECTRONIC COMPONENTS

OMRON MJN SERIES: SQUARE BASE GENERAL PURPOSE RELAYS

Specifications:
- Contact resistance: 50mΩ max.
- Plug-in terminals
- Power consumption: AC DPDT - 1.7VA, 3PDT-2.0VA; DC-1.2W

∗ Socket not required for 20A models; they are flange mounted and do not require terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Coil Voltage	Contact Rating	Price Each 1	25	50	100
Standard Mount (Plug-In)									
653-MJN2C-DC12	MJN2C-DC12	A	DPDT	12VDC	10A	11.41	10.24	9.65	9.36
653-MJN2C-DC24	MJN2C-DC24	A	DPDT	24VDC	10A	11.41	10.24	9.65	9.36
653-MJN2C-AC24	MJN2C-AC24	A	DPDT	24VAC	10A	12.13	10.89	10.26	9.95
653-MJN2C-AC1	MJN2C-AC120	A	DPDT	120VAC	10A	11.94	10.72	10.11	9.80
653-MJN3C-DC12	MJN3C-DC12	A	3PDT	12VDC	10A	11.81	10.60	9.99	9.69
653-MJN3C-DC24	MJN3C-DC24	A	3PDT	24VDC	10A	11.10	9.96	9.39	9.11
653-MJN3C-AC24	MJN3C-AC24	A	3PDT	24VAC	10A	12.62	11.32	10.68	10.35
653-MJN3C-AC1	MJN3C-AC120	A	3PDT	120VAC	10A	13.28	11.92	11.24	10.90
Flange Mount									
653-MJN2CF-DC12	MJN2CF-DC12	B	DPDT	12VDC	10A	11.09	9.95	9.38	9.10
653-MJN2CF-DC24	MJN2CF-DC24	B	DPDT	24VDC	10A	10.97	9.84	9.28	9.00
653-MJN2CF-AC24	MJN2CF-AC24	B	DPDT	24VAC	10A	11.77	10.56	9.96	9.66
653-MJN2CF-AC1	MJN2CF-AC120	B	DPDT	120VAC	10A	11.77	10.56	9.96	9.66
∗ 653-MJN2CE-DC12	MJN2CE-DC12	B	DPDT	12VDC	20A	12.56	11.27	10.62	10.30
∗ 653-MJN2CE-DC24	MJN2CE-DC24	B	DPDT	24VDC	20A	13.36	11.99	11.30	10.96
∗ 653-MJN2CE-AC24	MJN2CE-AC24	B	DPDT	24VAC	20A	14.99	13.45	12.68	12.30
∗ 653-MJN2CE-AC1	MJN2CE-AC120	B	DPDT	120VAC	20A	15.41	13.83	13.04	12.65
653-MJN3CF-DC12	MJN3CF-DC12	B	3PDT	12VDC	10A	12.09	10.85	10.23	9.92
653-MJN3CF-DC24	MJN3CF-DC24	B	3PDT	24VDC	10A	11.94	10.72	10.10	9.80
653-MJN3CF-AC24	MJN3CF-AC24	B	3PDT	24VAC	10A	13.43	12.05	11.36	11.02
653-MJN3CF-AC1	MJN3CF-AC120	B	3PDT	120VAC	10A	13.68	12.28	11.57	11.22
Sockets for MJN Series			Description						
653-PTFPCB	PTFPCB		11-pin PCB terminal, screw mount			1.53	1.37	1.30	1.26
653-PTF11QDC	PTF11QDC		11-pin QC terminal, screw mount			1.66	1.49	1.40	1.36
653-PTF21PC	PTF21PC		11-pin screw terminal, screw mount			7.15	6.42	6.05	5.87
653-PTF11PC	PTF11PC		11-pin screw terminal, DIN mount			7.83	7.03	6.62	6.42
653-PFP-M	PFP-M		DIN rail end stop plate			.52	.49	.46	.43
653-PFP-100N	PFP-100N		DIN rail 100cm (39")			7.25	6.82	6.39	5.97

OMRON G7L SERIES: HIGH CAPACITY GENERAL PURPOSE RELAY

Specifications:
- Contact rating: Single-pole type - 30A @ 220 VAC
  Double-pole type: - 25A @ 220 VAC
- Power consumption: AC coil - 1.70 to 2.50 VA DC coil - 1.90 W
- Contact material: Ag Alloy
- Impulse withstand voltage: 10,000 V between coil and contacts
- Conforms to IEC 950
- Class B insulation
- E-bracket type requires E-bracket or socket to mount.

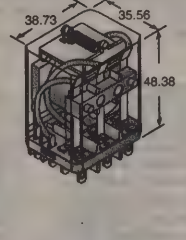
∗ E-Bracket R99-07G5D sold separately

For quantities of 500 and up, call for quote.

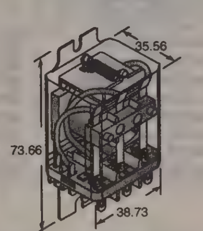
MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	Terminal Type	Price Each 1	25	50	100
E-Bracket∗Type with Test Button									
653-G7L-1A-BJ-DC12	G7L-1A-BJ-CB-DC12	C	SPST-NO	12 VDC	Screw terminals	11.68	10.48	9.88	9.58
653-G7L-1A-TJ-DC12	G7L-1A-TJ-CB-DC12	C	SPST-NO	12 VDC	.250" Quick Connect	8.35	7.49	7.07	6.85
653-G7L-2A-TJ-DC12	G7L-2A-TJ-CB-DC12	C	DPST-NO	12 VDC	.250" Quick Connect	8.67	7.78	7.34	7.12
653-G7L-1A-BJ-DC24	G7L-1A-BJ-CB-DC24	C	SPST-NO	24 VDC	Screw terminals	18.45	16.55	15.60	15.13
653-G7L-1A-TJ-DC24	G7L-1A-TJ-CB-DC24	C	SPST-NO	24 VDC	.250" Quick Connect	8.35	7.49	7.07	6.85
653-G7L-2A-BJ-DC24	G7L-2A-BJ-CB-DC24	C	DPST-NO	24 VDC	Screw terminals	13.45	12.89	12.22	11.89
653-G7L-2A-TJ-DC24	G7L-2A-TJ-CB-DC24	C	DPST-NO	24 VDC	.250" Quick Connect	8.67	7.78	7.34	7.12
653-G7L-2A-TJ-DC48	G7L-2A-TJ-CB-DC48	C	DPST-NO	48 VDC	.250" Quick Connect	8.26	7.41	6.99	6.78
653-G7L-1A-TJ-AC24	G7L-1A-TJ-CB-AC24	C	SPST-NO	24 VAC	.250" Quick Connect	8.96	8.04	7.58	7.35
653-G7L-1A-BJ-AC1	G7L-1A-BJ-CB-AC100/120	C	SPST-NO	100/120 VAC	Screw terminals	12.34	11.08	10.44	10.13
653-G7L-2A-BJ-AC1	G7L-2A-BJ-CB-AC100/120	C	DPST-NO	100/120 VAC	Screw terminals	17.71	15.90	14.99	14.53
653-G7L-2A-TJ-AC1	G7L-2A-TJ-CB-AC100/120	C	DPST-NO	100/120 VAC	.250" Quick Connect	9.28	8.33	7.85	7.61
653-G7L-2A-TJ-AC2	G7L-2A-TJ-CB-AC200/240	C	DPST-NO	200/240 VAC	.250" Quick Connect	9.73	8.74	8.24	7.99
Upper Bracket Type with Test Button									
653-G7L-2AB-DC12	G7L-2A-BUBJ-CB-DC12	D	DPST-NO	12 VDC	Screw terminals	15.20	13.64	12.86	12.47
653-G7L-1A-BUB-JDC12	G7L-1A-BUBJ-CB-DC12	D	SPST-NO	12 VDC	Screw terminals	16.66	14.81	13.03	11.77
653-G7L-2AJ-DC12	G7L-2A-TUBJ-CB-DC12	D	DPST-NO	12 VDC	.250" Quick Connect	11.71	9.74	8.52	7.98
653-G7L-1A-DC24	G7L-1A-TUBJ-CB-DC24	D	SPST-NO	24 VDC	.250" Quick Connect	8.79	7.89	7.44	7.21
653-G7L-2AB-DC24	G7L-2A-BUBJ-CB-DC24	D	DPST-NO	24 VDC	Screw terminals	15.20	13.64	12.86	12.47
653-G7L-1A-BUB-JDC24	G7L-1A-BUBJ-CB-DC24	D	SPST-NO	24 VDC	Screw terminals	16.66	14.81	13.03	11.77
653-G7L-2A-DC24	G7L-2A-TUBJ-CB-DC24	D	DPST-NO	24 VDC	.250" Quick Connect	10.73	9.63	9.08	8.80
653-G7L-1A-AC24	G7L-1A-TUBJ-CB-AC24	D	SPST-NO	24 VAC	.250" Quick Connect	11.08	9.94	9.37	9.09
653-G7L-2AB-AC24	G7L-2A-BUBJ-CB-AC24	D	DPST-NO	24 VAC	Screw terminals	16.01	14.37	13.55	13.14
653-G7L-2A-AC24	G7L-2A-TUBJ-CB-AC24	D	DPST-NO	24 VAC	.250" Quick Connect	9.77	8.77	8.27	8.01
653-G7L-1A-AC1	G7L-1A-TUBJ-CB-AC100/120	D	SPST-NO	100/120 VAC	.250" Quick Connect	9.43	8.46	7.98	7.73
653-G7L-2AB-AC1	G7L-2A-BUBJ-CB-AC100/120	D	DPST-NO	100/120 VAC	Screw terminals	16.01	14.37	13.55	13.14
653-G7L-2A-AC1	G7L-2A-TUBJ-CB-AC100/120	D	DPST-NO	100/120 VAC	.250" Quick Connect	11.48	10.30	9.71	9.42
653-G7L-1A-AC2	G7L-1A-TUBJ-CB-AC200/240	D	SPST-NO	200/240 VAC	.250" Quick Connect	11.70	10.50	9.90	9.60
653-G7L-2AB-AC2	G7L-2A-BUBJ-CB-AC200/240	D	DPST-NO	200/240 VAC	Screw terminals	16.64	14.93	14.08	13.65
653-G7L-2A-AC2	G7L-2A-TUBJ-CB-AC200/240	D	DPST-NO	200/240 VAC	.250" Quick Connect	12.04	10.80	10.19	9.88
Accessories for G7L Series			Description						
653-R99-07G5D	R99-07G5D		E-Bracket for G7L-1A(2A)-TJ, -BJ			.70	.63	.59	.58
653-P7LF-C	P7LF-C		Cover for QC terminal type			.94	.84	.79	.77
653-P7LF-D	P7LF-D		Track mounting adapter			6.51	5.84	5.51	5.34
653-P7LF-06	P7LF-06		Front connecting socket for QC terminal. Includes P7LF-C			14.10	12.65	11.93	11.57

DIMENSIONS: mm

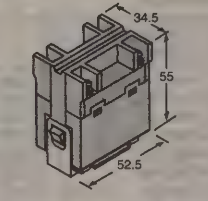
A



B

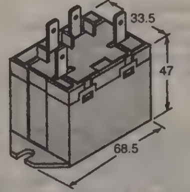


C



Shown with E Bracket Attached

D



QC Type Shown

OMRON General Purpose Relays

OMRON G2RS SERIES: SLIM POWER PLUG-IN RELAYS

RoHS Compliant

LEAD-FREE

Specifications:

- Contact rating: SPDT - 10A @ 250VAC/30VDC
  DPDT - 5a @ 250VAC/30VDC
- Power consumption: AC coil - 0.90 VA @ 60Hz
  DC coil - 530 mW

- Provided with nameplate
- AC/DC coil ratings
- Built-in mechanical operation indicator

✱ Rated coil current @ 60Hz for AC Models

General Purpose Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	Rated ✱ Coil Current	Price Each			
						1	25	50	100
653-G2R-1S-DC12S	G2R-1S-DC12S	A2	SPDT	12 VDC	43.2 mA	4.15	3.72	3.51	3.40
653-G2R-1S-DC24S	G2R-1S-DC24S	A2	SPDT	24 VDC	21.6 mA	4.15	3.72	3.51	3.40
653-G2R-1S-AC24S	G2R-1S-AC24S	A2	SPDT	24 VAC	37.4 mA	5.52	4.95	4.67	4.53
653-G2R-1S-AC120S	G2R-1S-AC120S	A2	SPDT	120 VAC	7.5 mA	6.05	5.43	5.12	4.96
653-G2R-2S-DC12S	G2R-2S-DC12S	A1	DPDT	12 VDC	43.2 mA	4.74	4.26	4.01	3.89
653-G2R-2S-DC24S	G2R-2S-DC24S	A1	DPDT	24 VDC	21.6 mA	4:74	4.26	4.01	3.89
653-G2R-2S-AC24S	G2R-2S-AC24S	A1	DPDT	24 VAC	37.4 mA	6.14	5.51	5.20	5.04
653-G2R-2S-AC120S	G2R-2S-AC120S	A1	DPDT	120 VAC	7.5 mA	6.62	5.94	5.60	5.43

With LED Indicator

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	Rated ✱ Coil Current	Price Each			
						1	25	50	100
653-G2R-1-SN-DC12S	G2R-1-SN-DC12S	A2	SPDT	12 VDC	43.2 mA	7.95	7.14	6.73	6.53
653-G2R-1-SN-DC24S	G2R-1-SN-DC24S	A2	SPDT	24 VDC	21.6 mA	7.95	7.14	6.73	6.53
653-G2R-1-SN-AC24S	G2R-1-SN-AC24S	A2	SPDT	24 VAC	37.4 mA	8.14	7.30	6.89	6.68
653-G2R-1-SN-AC120S	G2R-1-SN-AC120S	A2	SPDT	120 VAC	7.5 mA	10.49	9.41	8.87	8.60
653-G2R-2-SN-DC12S	G2R-2-SN-DC12S	A1	DPDT	12 VDC	43.2 mA	10.93	9.81	9.25	8.97
653-G2R-2-SN-DC24S	G2R-2-SN-DC24S	A1	DPDT	24 VDC	21.6 mA	9.95	8.93	8.42	8.16
653-G2R-2-SN-AC24S	G2R-2-SN-AC24S	A1	DPDT	24 VAC	37.4 mA	10.56	9.47	8.93	8.66
653-G2R-2-SN-AC120S	G2R-2-SN-AC120S	A1	DPDT	120 VAC	7.5 mA	11.33	10.17	9.59	9.29

With LED Indicator and Diode

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	Rated ✱ Coil Current	Price Each			
						1	25	50	100
653-G2R-1SND-DC12S	G2R-1SND-DC12S	A3	SPDT	12VDC	43.2 mA	10.20	9.16	8.63	8.37
653-G2R-1SND-DC24S	G2R-1SND-DC24S	A3	SPDT	24VDC	21.6 mA	9.17	8.23	7.76	7.52
653-G2R-1SNDI-DC24S	G2R-1SNDI-DC24S ✱	A3	SPDT	24VDC	21.6 mA	10.76	9.66	9.10	8.83
653-G2R-2SND-DC24S	G2R-2SND-DC24S	A1	DPDT	24VDC	21.6 mA	11.12	9.98	9.41	9.12

Accessories

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Form	Price Each			
			1	25	50	100
653-P2RF-05	P2RF-05	Track mount socket for G2R-1S and G2R-1-SN, solder termnals	7.11	6.38	6.02	5.83
653-P2RF-05-E	P2RF-05-E	Track mount socket for G2R-1S and G2R-1-SN, screw terminal	3.14	2.82	2.66	2.58
653-P2RF-08	P2RF-08	Track mount socket for G2R-2S and G2R-2-SN, solder termnals	7.98	7.16	6.75	6.55
653-P2RF-08-E	P2RF-08-E	Track mount socket for G2R-2S and G2R-2-SN, screw terminal	5.08	4.56	4.30	4.17
653-P2RF-05S	P2RF-05S	Track mount socket for G2R-1S and G2R-1-SN, screwless clamp	4.01	3.60	3.40	3.29
653-P2RF-08S	P2RF-08S	Track mount socket for G2R-2S and G2R-2-SN, screwless clamp	6.50	5.83	5.50	5.33
653-P2R-05P	P2R-05P	Back mount socket for G2R-1S and G2R-1-SN, PCB terminals	1.75	1.57	1.48	1.44
653-P2R-08P	P2R-08P	Back mount socket for G2R-2S and G2R-2-SN, PCB terminals	1.75	1.57	1.48	1.44
653-P2CM-S	P2CM-S	Clip and release lever for use with screwless clamp terminals	.27	.25	.23	.23
653-PFP-100N	PFP-100N	DIN rail 100 cm (39") length	6.56	5.60	5.15	4.65
653-PFP-M	PFP-M	Din rail end stop plate	.52	.49	.46	.43

OMRON G4B SERIES: MINIATURE GENERAL PURPOSE RELAYS

Specifications:

- Contact rating: 15A @ 220VAC/24VDC
- Maximum operating current: 20A
- Power consumption: 1.3 VA
- Contact terminal: .250" Quick connect

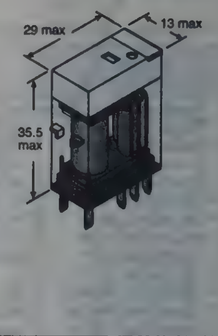
- Upper mounting bracket for easy wiring and mounting
- Ideal for switching motor load, lamp load, heater, etc.
- Class F insulation

For quantities of 500 and up, call for quote.

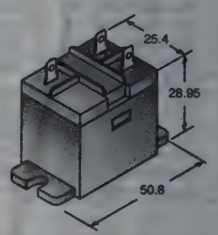
MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Rated Coil Voltage	Coil Terminal	Price Each			
						1	25	50	100
653-G4B-112T-AC120	G4B-112T-US-AC120	B	SPST-NO	120 VAC	QC #110	8.85	7.95	7.49	7.26
653-G4B-112TC-AC120	G4B-112T-C-US-AC120	B	SPDT	120 VAC	QC #110	8.02	7.20	6.79	6.58
653-G4B-112T1C-AC24	G4B-112T1-C-US-AC24	B	SPDT	24 VAC	QC #187	7.74	6.95	6.55	6.35
653-G4B-112T1C-AC120	G4B-112T1-C-US-AC120	B	SPDT	120 VAC	QC #187	9.43	8.46	7.98	7.73
653-G4B-112T1-F-AC1	G4B-112T1-FD-C-USRP-AC120	B	SPDT	120 VAC	QC #187	10.63	9.54	8.99	8.72
653-G4B-112T1-F-AC24	G4B-112T1-FD-C-US-RP-AC24	B	SPDT	24 VAC	QC #187	10.63	9.54	8.99	8.72
653-G4B-112T1-DC-AC1	G4B-112T1-FD-US-RP-AC120	B	SPST-NO	120 VAC	QC #187	10.63	9.54	8.99	8.72

DIMENSIONS: mm

A

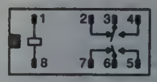


B

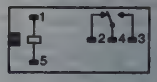


TERMINAL ARRANGEMENT

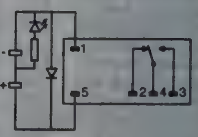
1



2



3



OMRON MGN SERIES: HEAVY-DUTY 30A OPEN FRAME POWER RELAYS

Specifications:
- Contact Ratings: 30A or 1-1/2 HP @ 120 or 240 VAC
- Class F coil insulation system
- Coil molded in DuPont Rynite® for environmental protection
- Terminals riveted to base

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Coil Voltage	Terminal Type	Price Each			
						1	25	50	100
653-MGN1C-DC12	MGN1C-DC12	A	12VDC	SPDT	Short	21.54	19.33	18.22	17.67
653-MGN1C-DC24	MGN1C-DC24	A	24VDC	SPDT	Short	20.53	18.43	17.37	16.85
653-MGN1C-AC24	MGN1C-AC24	A	24VAC	SPDT	Short	20.87	18.73	17.66	17.12
653-MGN1C-AC120	MGN1C-AC120	A	120VAC	SPDT	Short	22.79	20.45	19.28	18.70
653-MGN1X-DC12	MGN1X-DC12	A	12VDC	SPST-NO-DM	Short	19.64	17.62	16.62	16.11
653-MGN1X-DC24	MGN1X-DC24	A	24VDC	SPST-NO-DM	Short	20.61	18.50	17.44	16.91
653-MGN1X-AC24	MGN1X-AC24	A	24VAC	SPST-NO-DM	Short	18.46	16.56	15.62	15.14
653-MGN1X-AC120	MGN1X-AC120	A	120VAC	SPST-NO-DM	Short	18.47	16.57	15.63	15.15
653-MGN2A-DC12	MGN2A-DC12	A	12VDC	DPST-NO	Short	23.44	21.04	19.83	19.23
653-MGN2A-DC24	MGN2A-DC24	A	24VDC	DPST-NO	Short	23.40	21.00	19.80	19.20
653-MGN2A-AC24	MGN2A-AC24	A	24VAC	DPST-NO	Short	25.12	22.54	21.25	20.61
653-MGN2A-AC120	MGN2A-AC120	A	120VAC	DPST-NO	Short	27.22	24.43	23.03	22.34
653-MGN2C-DC12	MGN2C-DC12	B	12VDC	DPDT	Long	33.40	29.98	28.26	27.41
653-MGN2C-DC24	MGN2C-DC24	B	24VDC	DPDT	Long	32.33	29.02	27.36	26.53
653-MGN2C-AC24	MGN2C-AC24	B	24VAC	DPDT	Long	33.79	30.33	28.59	27.73
653-MGN2C-AC120	MGN2C-AC120	B	120VAC	DPDT	Long	28.96	25.99	24.50	23.76

OMRON G9EA-1 SERIES: 60A AND 100A DC POWER RELAYS

Specifications:
- Contact form: SPST-NO
- Power consumption: 5W
- Contact terminals: M5 Screw terminals
- Switching section and driving section are gas-injected and hermetically sealed.
- Sealed construction requires no arc space and ensures safe applications
- No restrictions on the mounting direction
- Maximum interruption current: G9EA-1(-B) - 600A at 300 VDC (5 times)

Relays come with 2 M5 screws for the contact terminals.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Voltage	Rated Contact Carry Current	Coil Terminals	Price Each			
						1	5	10	20
653-G9EA-1-B-DC12	G9EA-1-B-DC12	C	12 VDC	60 A	M3.5 Screw terminals	120.12	107.80	101.64	98.56
653-G9EA-1-B-DC24	G9EA-1-B-DC24	C	24 VDC	60 A	M3.5 Screw terminals	120.12	107.80	101.64	98.56
653-G9EA-1-DC12	G9EA-1-DC12	D	12 VDC	60 A	220mm Lead wires	120.12	107.80	101.64	98.56
653-G9EA-1-DC24	G9EA-1-DC24	D	24 VDC	60 A	220mm Lead wires	120.12	107.80	101.64	98.56
653-G9EA-1-B-CA-DC12	G9EA-1-B-CA-DC12	C	12 VDC	100 A	M3.5 Screw terminals	141.96	127.40	120.12	116.48
653-G9EA-1-B-CA-DC24	G9EA-1-B-CA-DC24	C	24 VDC	100 A	M3.5 Screw terminals	141.96	127.40	120.12	116.48
653-G9EA-1-CA-DC12	G9EA-1-CA-DC12	D	12 VDC	100 A	220mm Lead wires	141.96	127.40	120.12	116.48
653-G9EA-1-CA-DC24	G9EA-1-CA-DC24	D	24 VDC	100 A	220mm Lead wires	141.96	127.40	120.12	116.48

OMRON G9EB-1 SERIES: 25A DC POWER RELAYS

Specifications:
- Contact form: SPST-NO
- Power consumption: 2W
- Contact terminals: M4 Screw terminals
- Gas-filled, fully sealed, non-ceramic construction achieved by using resin with a metal case. This reduces the need for special processing and materials previously required
- Maximum interruption current: 100A @ 250 VDC (5 times)

RoHS Compliant

Relays come with 2 M4 screws for the contact terminals

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Voltage	Rated Contact Carry Current	Coil Terminals	Price Each			
						1	5	10	20
653-G9EB-1-B-DC12	G9EB-1-B-DC12	E	12 VDC	166.7 mA	M4 Screw terminals	101.83	91.39	86.16	83.55
653-G9EB-1-B-DC24	G9EB-1-B-DC24	E	24 VDC	83.3 mA	M4 Screw terminals	101.83	91.39	86.16	83.55

OMRON G9EC-1 SERIES: 200A DC POWER RELAYS

Specifications:
- Contact form: SPST-NO
- Power consumption: 11W
- Maximum interruption current: 1000 A at 400 VDC (10 times)
- Switching section and driving section are gas-injected and hermetically sealed.
- Sealed construction requires no arc space and ensures safe applications
- No restrictions on the mounting direction

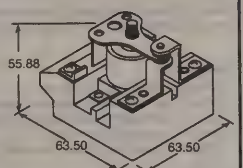
Relays come with 2 M8 nuts for the contact terminals

For quantities of 50 and up, call for quote.

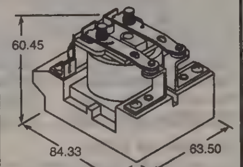
MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Coil Voltage	Rated Contact Carry Current	Coil Terminals	Price Each			
						1	5	10	20
653-G9EC-1-B-DC12	G9EC-1-B-DC12	F	12 VDC	200 A	M3.5 Screw terminals	240.24	215.60	203.28	197.12
653-G9EC-1-B-DC24	G9EC-1-B-DC24	F	24 VDC	200 A	M3.5 Screw terminals	240.24	215.60	203.28	197.12
653-G9EC-1-DC12	G9EC-1-DC12	G	12 VDC	200 A	220mm Lead wires	240.24	215.60	203.28	197.12
653-G9EC-1-DC24	G9EC-1-DC24	G	24 VDC	200 A	220mm Lead wires	240.24	215.60	203.28	197.12

DIMENSIONS: mm

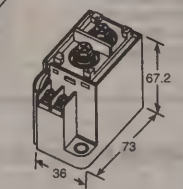
A



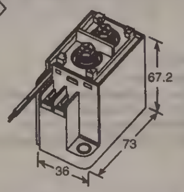
B



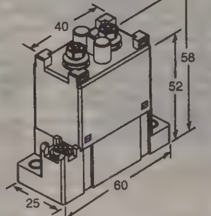
C



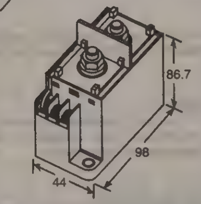
D



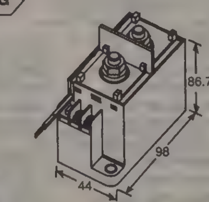
E



F



G



OMRON Safety Relays

OMRON
ELECTRONIC COMPONENTS

OMRON G7SA SERIES: SLIM PLUG-IN SAFETY RELAY FOR MACHINE CONTROL

World's slimmest safety relay (13mm wide). Available in 4 and 6 pole models and can switch 6A. The terminal arrangement simplifies PCB pattern design and with optional sockets, users can mount them on either a DIN rail or panel.

Features:
- Slim body only 13 x 24 x 50mm
- 4-pole and 6-pole models are available
- Terminal arrangement simplifies PCB pattern design
- Positive, force-guided contacts
- DIN rail-mounting and panel-mounting sockets available

Specifications:
- Rated voltage: 24VDC
- Rated load: 6A @ 250VAC/30VDC
- Operate/Release time: 20ms max.
- Electrical life expectancy: 100,000 operations min.

G7SA Relays

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	No. of Contacts	Contact Form	NO Contacts	NC Power	Price Each			
							1	10	25	50
653-G7SA-3A1B-DC24	G7SA-3A1B-DC24	A	4	3PST-NO, SPST-NC	3	1	24.18	22.00	20.90	20.59
653-G7SA-2A2B-DC24	G7SA-2A2B-DC24	A	4	DPST-NO, DPST-NC	2	2	24.18	22.00	20.90	20.59
653-G7SA-5A1B-DC24	G7SA-5A1B-DC24	B	6	5PST-NO, SPST-NC	5	1	32.74	29.79	28.31	27.89
653-G7SA-4A2B-DC24	G7SA-4A2B-DC24	B	6	4PST-NO, DPST-NC	4	2	32.74	29.79	28.31	27.89
653-G7SA-3A3B-DC24	G7SA-3A3B-DC24	B	6	3PST-NO, 3PST-NC	3	3	32.74	29.79	28.31	27.89

Sockets for G7SA

MOUSER STOCK NO.	Omron Part No.	Description	Price Each			
			1	10	25	50
653-P7SA-10F	P7SA-10F	4-pole DIN rail and screw mounting	25.69	23.37	22.21	21.88
653-P7SA-14F	P7SA-14F	6-pole DIN rail and screw mounting	26.20	23.83	22.65	22.31
653-P7SA-10P	P7SA-10P	4-Pole PCB terminal	6.85	6.23	5.92	5.83
653-P7SA-14P	P7SA-14P	6-pole PCB terminal	5.90	5.37	5.10	5.03

OMRON G9SA SERIES: SAFETY RELAY UNIT

Safety relay unit used in designing safety systems to meet the most stringent international standards. Features 3 or 5 pole internal OSHA, ANSI, and EN compliant force guided safety relays. Use as the controller component in combination with other safety products.

Features:
- 45mm wide
- Easy-to-connect expansion units available
- OFF-delay time can be adjusted
- Positive, force-guided contacts
- DIN-rail mounting and panel mounting available

Specifications:
- Rated voltage: 24VAC/VDC, 100-240VAC
- Electrical life expectancy: 100,000 operations min.
- Emergency stop OFF-delay unit (G9SA-321-T15) has 15 s OFF-Delay time
- The 15-step OFF-delay time settings are:
  1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, and 15 s.
- Expansion unit (G9SA-EX301) connects to G9SA-301 or G9SA-501

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Input Channels	Main Contacts	Auxiliary Contacts	Price Each			
						1	5	10	25
Emergency Stop Units									
653-G9SA-301	G9SA-301	C	1 or 2	3PST-NO	SPST-NC	260.47	236.94	225.18	221.82
653-G9SA-501	G9SA-501	C	1 or 2	5PST-NO	SPST-NC	322.73	293.58	279.01	274.84
Emergency Stop OFF-Delay Unit									
653-G9SA-321-T15	G9SA-321-T15	C	1 or 2	3PST-NO	SPST-NC	431.69	392.70	373.21	367.64
Expansion Unit									
653-G9SA-EX301	G9SA-EX301	D	1 or 2	3PST-NO	SPST-NC	223.67	203.46	193.36	190.48

OMRON G9SB SERIES: ULTRA SLIM SAFETY RELAY UNIT

Industry's smallest force-guided safety relay unit. This safety relay unit takes up less width in control panels than comparable products.
Designed to support Category 2 or 4 installations and can partner with Omron's safety light curtains, safety door switches, and emergency stop pushbuttons.

Features:
- 17.5mm wide models available with 2 or 3 poles
- 22.5mm wide 3 pole models available
- DIN-track mounting possible

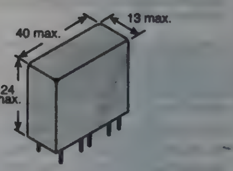
Specifications:
- Rated load: 5A@250 VAC
- Electrical life expectancy: 100,000 operations min.

For quantities of 50 and up, call for quote.

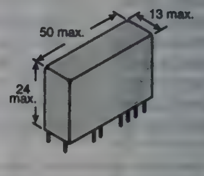
MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Voltage	Main Contacts	Auxiliary Contacts	Input Channels	Input Type	Price Each			
								1	5	10	25
Auto-Reset Mode											
653-G9SB-200-B	G9SB-200-B	E	24 VAC/DC	DPST-NO	None	1 or 2	+ common	215.06	195.64	185.93	183.15
653-G9SB-2002-A	G9SB-2002-A	E	24 VAC/DC	DPST-NO	None	2	inverse(+/-)	186.39	169.55	161.14	158.73
653-G9SB-3010	G9SB-3010	E	24 VDC	3PST-NO	SPST-NC	None	-----	215.06	195.64	185.93	183.15
653-G9SB-3012-A	G9SB-3012-A	F	24 VAC/DC	3PST-NO	SPST-NC	2	inverse(+/-)	268.54	244.28	232.16	228.69
653-G9SB-301-B	G9SB-301-B	F	24 VAC/DC	3PST-NO	SPST-NC	1 or 2	+ common	268.54	244.28	232.16	228.69
Manual-Reset Mode											
653-G9SB-200-D	G9SB-200-D	E	24 VAC/DC	DPST-NO	None	1 or 2	+ common	215.06	195.64	185.93	183.15
653-G9SB-2002-C	G9SB-2002-C	E	24 VAC/DC	DPST-NO	None	2	inverse(+/-)	215.06	195.64	185.93	183.15
653-G9SB-301-D	G9SB-301-D	F	24 VAC/DC	3PST-NO	SPST-NC	1 or 2	+ common	268.54	244.28	232.16	228.69
653-G9SB-3012-C	G9SB-3012-C	F	24 VAC/DC	3PST-NO	SPST-NC	2	inverse(+/-)	232.73	211.71	201.20	198.20

DIMENSIONS: mm

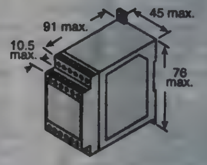
A



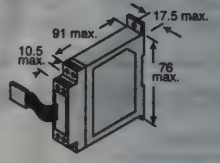
B



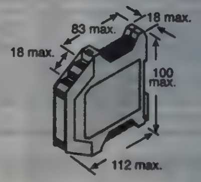
C



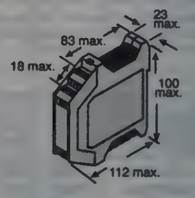
D



E



F



OMRON General Purpose Relays

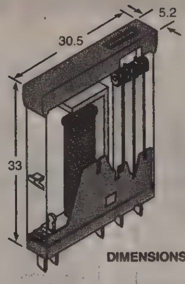
OMRON
ELECTRONIC COMPONENTS

OMRON G2RV SERIES: SLIM RELAYS

Relay Only

Features:
- LED indicator, clear case, and mechanical flag allows easy and immediate visual operation verification.
- Rated at full 6 A @ 250 VAC/30 VDC over 6,000 operations at 40°C, far exceeding other ratings in this profile.
- Slim outline to save space in high volume rack and PLC applications.
- Low power consumption for system energy savings

Specifications:
- Contact Form: SPDT
- Terminals: Relay only: Plug In; Relay/Socket Combo: Screw



DIMENSIONS: mm

CE VDE c UL us LISTED

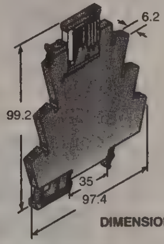
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Rating	Rated Coil Current	Price Each			
				1	25	50	100
653-G2RV-1-S-DC11	G2RV-1-S DC11	6A	11 VDC	6.30	5.86	4.85	4.27
653-G2RV-1-S-DC21	G2RV-1-S DC21	6A	21 VDC	6.30	5.86	4.85	4.27
653-G2RV-1-S-DC48	G2RV-1-S DC48	6A	48 VDC	6.70	6.23	5.16	4.53

Relay and Socket Combinations - Screw In Terminals

Features:
- LED indicator, clear case, and mechanical flag allows easy and immediate visual operation verification.
- Rated at full 6 A @ 250 VAC/30 VDC over 6,000 operations at 40°C, far exceeding other ratings in this profile.
- Slim outline to save space in high volume rack and PLC applications.
- Low power consumption for system energy savings

Specifications:
- Contact Form: SPDT
- Terminals: Relay only: Plug In; Relay/Socket Combo: Screw



DIMENSIONS: mm

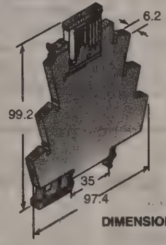
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Rating	Input Voltage	Rated Coil Current	Price Each			
					1	25	50	100
653-G2RV-SL-DC12	G2RV-SL700-DC12(DC11)	6A	12 VDC	27.2mA	16.55	15.39	12.74	11.20
653-G2RV-SL-DC24	G2RV-SL700-DC24(DC24)	6A	24 VDC	13.3mA	16.55	15.39	12.74	11.20
653-G2RV-SL-ACDC24	G2RV-SL700-AC/DC24	6A	24 VAC/DC	22.5mA / 13.0mA	16.55	15.39	12.74	11.20
653-G2RV-SL-ACDC48	G2RV-SL700-AC/DC48	6A	48 VAC/DC	9.0mA / 5.2mA	17.75	16.51	13.67	12.01
653-G2RV-SL0AC110	G2RV-SL700-AC110	6A	110 VAC	7.5mA	20.15	18.74	15.52	13.63

Relay and Socket Combinations - Push In Terminals

Features:
- LED indicator, clear case, and mechanical flag allows easy and immediate visual operation verification.
- Rated at full 6 A @ 250 VAC/30 VDC over 6,000 operations at 40°C, far exceeding other ratings in this profile.
- Slim outline to save space in high volume rack and PLC applications.
- Low power consumption for system energy savings

Specifications:
- Contact Form: SPDT
- Terminals: Relay only: Plug In; Relay/Socket Combo: Push In



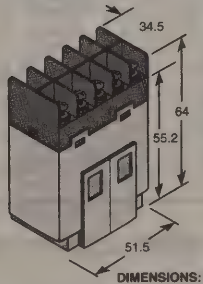
DIMENSIONS: mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Rating	Input Voltage	Rated Coil Current	Price Each			
					1	25	50	100
653-G2RV-SL5-AC110	G2RV-SL500 AC110	6A	110 VAC	7.5mA	20.85	19.39	16.05	14.10
653-G2RV-SL5-AC230	G2RV-SL500 AC230	6A	230 VAC	7.9mA	20.85	19.39	16.05	14.10
653-G2RV-SL5-ACDC24	G2RV-SL500 AC/DC24	6A	24 V AC/DC	22.5mA / 13.0mA	17.44	16.22	13.43	11.80
653-G2RV-SL5-ACDC48	G2RV-SL500 AC/DC48	6A	48 V AC/DC	9.0mA / 5.2mA	19.00	17.67	14.63	12.85
653-G2RV-SL5-DC11	G2RV-SL500 DC12 (DC11)	6A	12 VDC	27.2mA	17.00	15.81	13.09	11.50
653-G2RV-SL5-DC21	G2RV-SL500 DC24 (DC21)	6A	24 VDC	13.3mA	17.00	15.81	13.09	11.50

OMRON G7J SERIES: GENERAL PURPOSE RELAYS

Specifications:
- Contact rating: 25A (NO) @ 250 VAC/30 VDC, 8A (NC) @ 220 VAC/30 VDC
- Maximum switching current: 25A (NO), 8A (NC)
- Power consumption: AC coil - 1.8 to 2.6 VA
  DC coil - 2.0 W
- Impulse withstand voltage: 10,000 V between coil and contacts
- Push-to-test button on all models
- Ideal for 3-phase motor control applications
- Class F insulation
- Required W-bracket included
- UL508 and 1950 approved



DIMENSIONS: mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Contact Form	Rated Coil Voltage	Coil Terminal	Price Each			
					1	25	50	100
653-G7J-2A2BBW-AC1	G7J-2A2B-B-W1-AC100/120	DPST-NO/DPST-NC	100/120 VAC	18-21.6 mA	36.38	32.65	30.79	29.85
653-G7J-2A2BBW-AC2	G7J-2A2B-B-W1-AC200/240	DPST-NO/DPST-NC	200/240 VAC	9-10.8 mA	43.31	38.87	36.65	35.54
653-G7J-2A2BBW-DC24	G7J-2A2B-B-W1-DC24	DPST-NO/DPST-NC	24 VDC	83 mA	38.20	34.29	32.33	31.35
653-G7J-3A1BBW-AC1	G7J-3A1B-B-W1-AC100/120	3PST-NO/3PST-NC	100/120 VAC	18-21.6 mA	41.98	37.67	35.52	34.44
653-G7J-3A1BBW-AC2	G7J-3A1B-B-W1-AC200/240	3PST-NO/3PST-NC	200/240 VAC	9-10.8 mA	43.31	38.87	36.65	35.54
653-G7J-3A1BBW-DC24	G7J-3A1B-B-W1-DC24	3PST-NO/3PST-NC	24 VDC	83 mA	38.20	34.29	32.33	31.35
653-G7J-4ABW-AC1	G7J-4A-B-W1-AC100/120	4PST-NO	100/120 VAC	18-21.6 mA	41.98	37.67	35.52	34.44
653-G7J-4ABW-AC2	G7J-4A-B-W1-AC200/240	4PST-NO	200/240 VAC	9-10.8 mA	37.54	33.69	31.76	30.80
653-G7J-4ABW-DC24	G7J-4A-B-W1-DC24	4PST-NO	24 VDC	83 mA	29.93	26.86	25.32	24.56

Tyco Electronics P&B R10 SERIES: MULTICONTACT GENERAL PURPOSE RELAYS

- Enclosure: Clear polycarbonate cover
- Contact material: 3A - Fine Silver; 5A & 7.5A - AgCdO
- Expected Mechanical life: 3 & 5 Amp rating - 100 million operations; 7.5 Amp rating - 1 million operations

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	P&B Part Number	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-R10-E1Y4-V52	R10-E1Y4-V52	A	6 VDC	4PDT	3A	16.03	13.73	12.21	9.92
655-R10-E1Y4-V185	R10-E1Y4-V185	A	12 VDC	4PDT	3A	14.46	13.74	13.02	12.29
655-R10-E1Y4-V700	R10-E1Y4-V700	A	24 VDC	4PDT	3A	16.03	13.73	12.21	9.92
655-R10-E1Y4-V2.5K	R10-E1Y4-V2.5K	A	48 VDC	4PDT	3A	16.03	13.73	12.21	9.92
655-R10-E1Y2-V52	R10-E1Y2-V52	B	6 VDC	DPDT	3A	14.95	12.81	11.39	9.26
655-R10-E1Y2-V185	R10-E1Y2-V185	B	12 VDC	DPDT	3A	14.95	12.81	11.39	9.26
655-R10-E1Y2-V700	R10-E1Y2-V700	B	24 VDC	DPDT	3A	14.95	12.81	11.39	9.26
655-R10-E1Y2-V2.5K	R10-E1Y2-V2.5K	B	48 VDC	DPDT	3A	14.95	12.81	11.39	9.26
655-R10-E1X4-V185	R10-E1X4-V185	A	12 VDC	4PDT	5A	17.09	14.66	13.02	10.59
655-R10-E1X4-V700	R10-E1X4-V700	A	24 VDC	4PDT	5A	17.09	14.66	13.02	10.59
655-R10-E1X4-V2.5K	R10-E1X4-V2.5K	A	48 VDC	4PDT	5A	17.09	14.66	13.02	10.59
655-R10-E1X2-V52	R10-E1X2-V52	B	6 VDC	DPDT	5A	14.61	12.53	11.13	9.05
655-R10-E1X2-V185	R10-E1X2-V185	B	12 VDC	DPDT	5A	14.61	12.53	11.13	9.05
655-R10-E1X2-V700	R10-E1X2-V700	B	24 VDC	DPDT	5A	15.22	14.46	13.70	12.94
655-R10-E1X2-V2.5K	R10-E1X2-V2.5K	B	48 VDC	DPDT	5A	14.61	12.53	11.13	9.05
655-R10-E1W2-V700	R10-E1W2-V700	B	24 VDC	DPDT	7.5A	15.77	13.52	12.01	9.76
Sockets for R10 Series									
655-27E125	27E125	Solder socket with grounding strip, rated 10A, for 2 pole relays				1.41	1.21	1.07	.88
655-27E126	27E126	Solder socket with grounding strip, rated 10A, for 4 pole relays				1.55	1.33	1.18	.96
655-27E128	27E128	PCB terminals (stag.) socket with grounding strip or 2 pole relays				1.35	1.29	1.22	1.15
655-27E129	27E129	PCB terminals (stag.) socket with grounding strip for 4 pole relays				1.55	1.33	1.18	.96
655-27E193	27E193	PCB terminals (stag.) socket with grounding terminal for 2 pole relays				1.28	1.10	.97	.88
655-27E194	27E194	PCB terminals (stag.) socket with grounding terminal for 4 pole relays				1.61	1.38	1.23	1.17
655-27E629	27E629	PCB terminals (in-line) socket without grounding for 4 pole relays				1.43	1.28	1.14	.93
655-20C249	20C249	Hold down spring for 2 pole sockets				.25	.23	.20	.17
655-20C250	20C250	Hold down spring for 4 pole sockets				.25	.23	.20	.17
655-20C259	20C259	Hold down strap for PCB terminal sockets				.26	.24	.21	.18
655-24A110	24A110	Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81
655-24A071	24A071	Steel mounting clip with screw				.57	.45	.42	.39
655-40G432	40G432	Plastic insulator				.74	.65	.58	.50

Tyco Electronics OEG PCLH SERIES: GENERAL PURPOSE MINIATURE RELAYS

- Low cost, small size
- Snap-on cover
- Nominal power: AC = 1.4VA/1.2VA; DC = 0.9W
- Contact material: Silver Nickel alloy

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	OEG Part No.	Fig.	Coil Voltage	Contact Form	Nominal Coil Current	Price Each			
						1	25	50	100
Plug-in Terminals									
677-PCLH-202A1S	PCLH-202A1S,000	C	12 VAC	DPDT	15 A	5.88	5.59	5.29	5.00
677-PCLH-203A1S	PCLH-203A1S,000	C	24 VAC	DPDT	15 A	5.92	5.62	5.33	5.03
677-PCLH-206A1S	PCLH-206A1S,000	C	110/120 VAC	DPDT	15 A	5.98	5.68	5.38	5.08
677-PCLH-208A1S	PCLH-208A1S,000	C	220/240 VAC	DPDT	15 A	6.96	6.61	6.26	5.92
677-PCLH-202D1S	PCLH-202D1S,000	C	12 VDC	DPDT	15 A	5.58	5.30	5.02	4.74
677-PCLH-203D1S	PCLH-203D1S,000	C	24 VDC	DPDT	15 A	6.22	5.91	5.60	5.29
677-PCLH-204D1S	PCLH-204D1S,000	C	48 VDC	DPDT	15 A	5.64	5.36	5.08	4.79
677-PCLH-205D1S	PCLH-205D1S,000	C	100/110 VDC	DPDT	15 A	5.92	5.62	5.33	5.03
PCB Terminals									
677-PCLH-206A1SP	PCLH-206A1SP,000	C	110/120 VAC	DPDT	15 A	5.98	5.68	5.38	5.08
677-PCLH-202D1SP	PCLH-202D1SP,000	C	12 VDC	DPDT	15 A	5.31	4.82	4.32	3.77
677-PCLH-203D1SP	PCLH-203D1SP,000	C	24 VDC	DPDT	15 A	5.58	5.30	5.02	4.74
677-PCLH-205D1SP	PCLH-205D1SP,000	C	100/110 VDC	DPDT	15 A	6.60	6.27	5.94	5.61

Tyco Electronics SCHRACK V23047 SERIES: SAFETY RELAYS SR2M

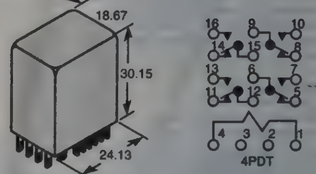
Specifications:
- Forcibly guided contacts
- Current rating: 6A @ 250 VAC
- Sealed case construction
- 2 Pole
- Ideal for emergency shut off, machine control.
- Contact material: Silver nickel alloy

For quantities of 500 and up, call for quote.

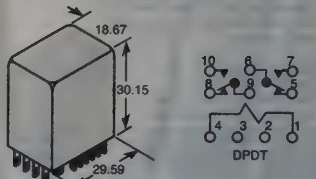
MOUSER STOCK NO.	Schrack Part No.	Fig.	Coil Voltage	Contact Form	Rated Coil Power	Price Each			
						1	25	50	100
655-V23047A1005A501	V23047-A1005-A501	D	5 VDC	2 C/O	700 mW	7.18	6.50	6.11	5.46
655-V23047A1012A501	V23047-A1012-A501	D	12 VDC	2 C/O	699 mW	7.66	6.57	5.84	4.74
655-V23047A1024A501	V23047-A1024-A501	D	24 VDC	2 C/O	700 mW	7.66	6.57	5.84	4.74
655-V23047A1024A511	V23047-A1024-A511	D	24 VDC	1 N/O +1 N/C	700 mW	7.66	6.57	5.84	4.74
655-V23047A1012A511	V23047-A1012-A511	D	12 VDC	1 N/O + 1 N/C	699 mW	7.66	6.57	5.84	4.74

DIMENSIONS: mm

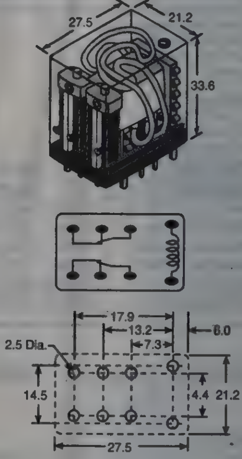
A



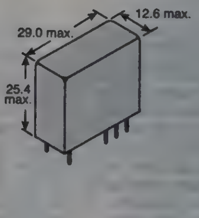
B



C



D



PCB Terminal type shown

Tyco Electronics Authorized Distributor

P&B KUHP SERIES: 20 & 30 AMP ENCLOSED GENERAL PURPOSE RELAYS

Specifications:

- Enclosure: Clear polycarbonate cover
- Contact material: AgCdO
- Expected mechanical life: 10 million operations min.
- Terminals: .250" QC/Solder

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
Plain Case									
655-KUHP-5A51-24	KUHP-5A51-24	A1	24 VAC	SPDT	30 A	13.50	11.57	10.28	8.36
655-KUHP-5A51-120	KUHP-5A51-120	A1	120 VAC	SPDT	30 A	13.50	11.57	10.28	8.36
655-KUHP-5D51-12	KUHP-5D51-12	A1	12 VDC	SPDT	30 A	12.13	10.40	9.24	7.51
655-KUHP-5D51-24	KUHP-5D51-24	A1	24 VDC	SPDT	30 A	17.09	15.60	14.30	13.50
655-KUHP-11A51-24	KUHP-11A51-24	A2	24 VAC	DPDT	20 A	13.55	11.61	10.32	8.39
655-KUHP-11A51-120	KUHP-11A51-120	A2	120 VAC	DPDT	20 A	13.55	11.61	10.32	8.39
655-KUHP-11D51-12	KUHP-11D51-12	A2	12 VDC	DPDT	20 A	19.63	16.83	14.96	12.16
655-KUHP-11D51-24	KUHP-11D51-24	A2	24 VDC	DPDT	20 A	19.63	16.83	14.96	12.16
Top Flange Case									
655-KUHP-5AT1-120	KUHP-5AT1-120	B1	120 VAC	SPDT	30 A	13.50	11.57	10.28	8.36
655-KUHP-5DT1-12	KUHP-5DT1-12	B1	12 VDC	SPDT	30 A	12.60	10.80	9.60	7.80
655-KUHP-5DT1-24	KUHP-5DT1-24	B1	24 VDC	SPDT	30 A	12.60	10.80	9.60	7.80
655-KUHP-11AT1-120	KUHP-11AT1-120	B2	120 VAC	DPDT	20 A	21.00	18.00	16.00	13.00
655-KUHP-11DT1-12	KUHP-11DT1-12	B2	12 VDC	DPDT	20 A	13.09	11.22	9.97	8.10
655-KUHP-11DT1-24	KUHP-11DT1-24	B2	24 VDC	DPDT	20 A	13.09	11.22	9.97	8.10

Tyco Electronics Authorized Distributor

P&B KUL SERIES: 10 AMP MAGNETIC LATCHING RELAY

Specifications:

- Enclosure: Clear polycarbonate cover
- Contact material: AgCdO
- Expected mechanical life: 100,000 operations min.
- Terminals: .250" QC/Solder

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Number of Coils	Price Each			
						1	25	50	100
655-KUL-11A15S-120	KUL-11A15S-120	C3	120 VAC	DPDT	1	42.68	38.41	34.14	27.74
655-KUL-11D15D-12	KUL-11D15D-12	C4	12 VDC	DPDT	2	58.25	49.93	44.39	36.06
655-KUL-11D15D-24	KUL-11D15D-24	C4	24 VDC	DPDT	2	49.01	42.00	37.33	31.26
Sockets and Accessories for KUL Series									
655-27E043	27E043	Solder eyelet socket, rated 15 A, for 1-3 pole relays				1.85	1.58	1.41	1.14
655-27E067	27E067	PCB terminal socket, rated 15 A, for 1-3 pole relays				3.36	2.88	2.56	2.08
655-27E121	27E121	Screw terminal socket, rated 15 A, for 1-3 pole relays				7.06	6.05	5.38	4.37
655-27E396	27E396	.187" quick connect socket, rated 15A, for 1-3 pole relays				2.96	2.54	2.26	1.83
655-27E893	27E893	Screw term., DIN rail snap-mnt socket, for 1-3 pole relays				8.42	7.22	6.42	5.21
655-20C247	20C247	Hold down spring for 27E043 and 27E067				1.04	.90	.81	.66
655-20C314	20C314	Hold down spring for 27E121				.50	.39	.35	.33
655-20C318	20C318	Hold down spring for 27E893				.35	.30	.28	.26
655-24A110	24A110	Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

Tyco Electronics Authorized Distributor

P&B KUMP SERIES: 15 AMP ENCLOSED GENERAL PURPOSE RELAYS

Specifications:

- Enclosure: Clear polycarbonate cover
- Contact material: AgCdO
- Expected mechanical life: 100,000 operations min.
- Terminals: .187" QC/Solder

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-KUMP-11A18-24	KUMP-11A18-24	D5	24 VAC	DPDT	15 A	19.32	16.56	14.72	11.96
655-KUMP-11A18-120	KUMP-11A18-120	D5	120 VAC	DPDT	15 A	19.32	16.56	14.72	11.96
655-KUMP-11A18-240	KUMP-11A18-240	D5	240 VAC	DPDT	15 A	20.83	17.86	15.87	12.90
655-KUMP-11D18-12	KUMP-11D18-12	D5	12 VDC	DPDT	15 A	17.93	15.37	13.66	11.10
655-KUMP-11D18-24	KUMP-11D18-24	D5	24 VDC	DPDT	15 A	17.93	15.37	13.66	11.10
655-KUMP-11D18-110	KUMP-11D18-110	D5	110 VDC	DPDT	15 A	19.32	16.56	14.72	11.96
655-KUMP-14A18-24	KUMP-14A18-24	D6	24 VAC	3PDT	15 A	14.75	12.64	11.24	9.13
655-KUMP-14A18-120	KUMP-14A18-120	D6	120 VAC	3PDT	15 A	10.83	10.65	10.25	10.07
655-KUMP-14D18-12	KUMP-14D18-12	D6	12 VDC	3PDT	15 A	13.82	11.85	10.53	8.56
655-KUMP-14D18-24	KUMP-14D18-24	D6	24 VDC	3PDT	15 A	13.82	11.85	10.53	8.56
Sockets and Accessories for KUMP Series									
655-27E043	27E043	Solder eyelet socket, rated 15 A, for 1-3 pole relays				1.85	1.58	1.41	1.14
655-27E067	27E067	PCB terminals socket, rated 15 A, for 1-3 pole relays				3.36	2.88	2.56	2.08
655-27E121	27E121	Screw terminal socket, rated 15 A, for 1-3 pole relays				7.06	6.05	5.38	4.37
655-27E396	27E396	.187" quick connect socket, rated 15A, for 1-3 pole relays				2.96	2.54	2.26	1.83
655-27E867	27E867	Screw terminal socket, rated 15 A, for 4 pole relays				20.94	18.03	16.28	15.12
655-27E893	27E893	Screw term., DIN rail snap-mnt socket, for 1-3 pole relays				8.42	7.22	6.42	5.21
655-20C228	20C228	Hold down spring with screw for 27E043 and 27E067				.52	.40	.36	.34
655-20C254	20C254	Snap-on hold down spring for 27E043 and 27E067				.35	.30	.28	.26
655-20C318	20C318	Hold down spring for 27E893				.35	.30	.28	.26
655-24A110	24A110	Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

Tyco Electronics Authorized Distributor

P&B MT SERIES: 4 & 10 AMP GENERAL PURPOSE RELAY

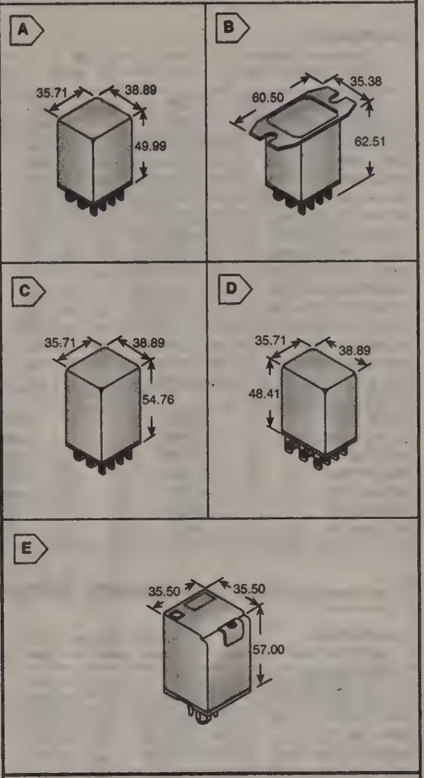
Specifications:

- Enclosure: Clear polycarbonate cover
- Contact rating/material: 10 A / AgNi (90/10)
- Expected mechanical life: 20 million operations min.
- Mechanical indicator (test-button)

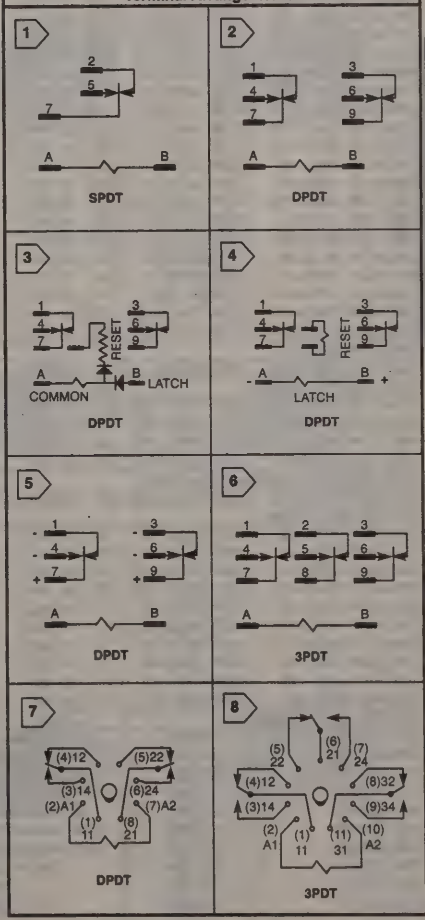
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Number of Pins	Price Each			
						1	25	50	100
655-MT226024	MT226024	E7	24 VAC	DPDT	8 pin	12.37	10.60	9.42	7.66
655-MT226115	MT226115	E7	115 VAC	DPDT	8 pin	14.47	12.40	11.02	8.96
655-MT221012	MT221012	E7	12 VDC	DPDT	8 pin	11.91	10.20	9.07	7.37
655-MT221024	MT221024	E7	24 VDC	DPDT	8 pin	11.91	10.20	9.07	7.37
655-MT326115	MT326115	E8	115 VAC	3PDT	11 pin	12.54	10.75	9.56	7.76
655-MT321012	MT321012	E8	12 VDC	3PDT	11 pin	14.47	12.40	11.02	8.96
655-MT321024	MT321024	E8	24 VDC	3PDT	11 pin	11.47	9.83	8.74	7.10

DIMENSIONS: mm



Terminal Arrangements



Tyco Electronics P&B K10 SERIES: 15 AMP GENERAL PURPOSE RELAYS

Specifications:
- DPDT contact arrangement
- UL Class B insulation system
- Continuous duty cycle
- Contact Materials: AgCdO
- Expected Mechanical life: 100,000 operations min.
- Max. Coil Power: 2 Watts

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Mounting Type	Terminal Type	Price Each 1	25	50	100
655-K10P-11A15-6	K10P-11A15-6	A1	6 VAC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11A15-12	K10P-11A15-12	A1	12 VAC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11A15-24	K10P-11A15-24	A1	24 VAC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11A15-120	K10P-11A15-120	A1	120 VAC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11D15-6	K10P-11D15-6	A1	6 VDC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11D15-12	K10P-11D15-12	A1	12 VDC	Socket	.187" QC/Solder	7.48	6.74	6.07	4.72
655-K10P-11D15-24	K10P-11D15-24	A1	24 VDC	Socket	.187" QC/Solder	9.50	8.85	8.53	8.22
655-K10P-11D15-110	K10P-11D15-110	A1	110 VDC	Socket	.187" QC/Solder	7.53	6.56	5.98	5.02
655-K10P-11D55-12	K10P-11D55-12	B1	12 VDC	PCB terminals	.160" length	7.53	6.56	5.98	5.02
655-K10P-11D55-24	K10P-11D55-24	B1	24 VDC	PCB terminals	.160" length	7.53	6.56	5.98	5.02
655-K10P-11D55-110	K10P-11D55-110	B1	110 VDC	PCB terminals	.160" length	7.53	6.56	5.98	5.02
655-K10P-11DT5-12	K10P-11DT5-12	C1	12 VDC	Top Flange/Panel	.187" QC/Solder	7.96	6.77	6.17	5.18
655-K10P-11DT5-24	K10P-11DT5-24	C1	24 VDC	Top Flange/Panel	.187" QC/Solder	7.96	6.77	6.17	5.18
655-K10P-11AT5-120	K10P-11AT5-120	C1	120 VAC	Top Flange/Panel	.187" QC/Solder	7.96	6.77	6.17	5.18
Sockets and Accessories		Description							
655-27E487	27E487	Screw terminal socket, rated 10 A				5.42	4.64	4.13	3.35
655-27E488	27E488	Solder terminal socket, rated 10 A				1.85	1.58	1.41	1.14
655-27E489	27E489	PCB terminal socket, rated 10 A				1.70	1.46	1.30	1.05
655-27E895	27E895	DIN mount screw terminal, 10 A				5.65	4.84	4.30	3.50
655-20C217	20C217	Hold down spring for 27E488 and 27E489				.51	.48	.46	.43
655-20C297	20C297	Hold down spring for 27E487				.50	.39	.35	.33
655-24A110	24A110	Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

Tyco Electronics P&B KUP SERIES: ENCLOSED GENERAL PURPOSE RELAYS

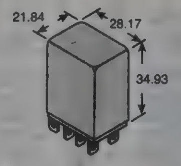
Specifications:
- Clear polycarbonate dust cover
- UL Class B insulation system
- Contact material: 5A - Silver; 10A - AgCdO
- Expected Mechanical life: 100,000 operations min.

For quantities of 500 and up, call for quote.

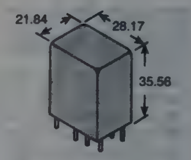
MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Terminal Type	Contact Form	Contact Rating	Price Each 1	25	50	100
655-KUP-11A11-120	KUP-11A11-120	D2	120 VAC	.187" QC/Solder	DPDT	5A	16.21	13.90	12.35	10.04
655-KUP-11D11-24	KUP-11D11-24	D2	24 VDC	.187" QC/Solder	DPDT	5A	14.85	12.73	11.31	9.19
655-KUP-11A15-24	KUP-11A15-24	D2	24VAC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11A15-120	KUP-11A15-120	D2	120 VAC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11D15-12	KUP-11D15-12	D2	12 VDC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11D15-24	KUP-11D15-24	D2	24 VDC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11D15-110	KUP-11D15-110	D2	110 VDC	.187" QC/Solder	DPDT	10A	16.21	13.90	12.35	10.04
655-KUP-14A11-120	KUP-14A11-120	D3	120 VAC	.187" QC/Solder	3PDT	5A	18.90	16.20	14.40	11.70
655-KUP-14D11-24	KUP-14D11-24	D3	24 VDC	.187" QC/Solder	3PDT	5A	17.02	14.59	12.97	10.54
655-KUP-14A15-12	KUP-14A15-12	D3	12 VAC	.187" QC/Solder	3PDT	10A	13.06	11.20	9.95	8.09
655-KUP-14A15-24	KUP-14A15-24	D3	24 VAC	.187" QC/Solder	3PDT	10A	12.60	10.80	9.60	7.80
655-KUP-14A15-120	KUP-14A15-120	D3	120 VAC	.187" QC/Solder	3PDT	10A	12.60	10.80	9.60	7.80
655-KUP-14D15-12	KUP-14D15-12	D3	12 VDC	.187" QC/Solder	3PDT	10A	11.35	9.73	8.65	7.24
655-KUP-14D15-24	KUP-14D15-24	D3	24 VDC	.187" QC/Solder	3PDT	10A	9.76	8.54	7.81	6.35
655-KUP-14D15-48	KUP-14D15-48	D3	48 VDC	.187" QC/Solder	3PDT	10A	18.90	16.20	14.40	11.70
655-KUP-14D15-110	KUP-14D15-110	D3	110 VDC	.187" QC/Solder	3PDT	10A	18.23	15.62	13.89	11.28
655-KUP-5A15-24	KUP-5A15-24	D4	24 VAC	.187" QC/Solder	SPDT	10A	20.27	17.37	15.44	12.55
655-KUP-5A15-120	KUP-5A15-120	D4	120 VAC	.187" QC/Solder	SPDT	10A	20.27	17.37	15.44	12.55
655-KUP-5A15-240	KUP-5A15-240	D4	240 VAC	.187" QC/Solder	SPDT	10A	20.27	17.37	15.44	12.55
655-KUP-5D15-12	KUP-5D15-12	D4	12 VDC	.187" QC/Solder	SPDT	10A	17.56	15.05	13.38	10.87
655-KUP-5D15-24	KUP-5D15-24	D4	24 VDC	.187" QC/Solder	SPDT	10A	17.56	15.05	13.38	10.87
655-KUP-17A19-120	KUP-17A19-120	D5	120 VAC	.110" QC/Solder	4PDT	10A	86.42	74.07	65.84	53.50
655-KUP-17D19-24	KUP-17D19-24	D5	24 VDC	.110" QC/Solder	4PDT	10A	54.01	46.30	41.15	33.44
With Test Button										
655-KUP-14A25-120	KUP-14A25-120	E3	120 VAC	.187" QC/Solder	3PDT	10A	20.27	17.37	15.44	12.55
With Indicator Lamp										
655-KUP-11A35-120	KUP-11A35-120	D2	120 VAC	.187" QC/Solder	DPDT	10A	17.02	14.59	12.97	10.54
655-KUP-14A35-24	KUP-14A35-24	D3	24 VAC	.187" QC/Solder	3PDT	10A	13.90	11.91	10.59	10.00
655-KUP-14A35-120	KUP-14A35-120	D3	120 VAC	.187" QC/Solder	3PDT	10A	13.50	11.57	10.29	8.36
655-KUP-14D35-24	KUP-14D35-24	D3	24 VDC	.187" QC/Solder	3PDT	10A	13.50	11.57	10.29	8.36
With Test Button and Indicator Lamp										
655-KUP-14A45-120	KUP-14A45-120	E3	120 VAC	.187" QC/Solder	3PDT	10A	14.41	12.35	10.98	8.92
Bracket Mount Case										
655-KUP-11D55-12	KUP-11D55-12	F2	12 VDC	.187" QC/Solder	DPDT	10A	9.86	8.63	7.89	6.41
655-KUP-11D55-24	KUP-11D55-24	F2	24 VDC	.187" QC/Solder	DPDT	10A	9.86	8.63	7.89	6.41
655-KUP-11A55-24	KUP-11A55-24	F2	24 VAC	.187" QC/Solder	DPDT	10A	10.28	8.98	8.23	6.68
655-KUP-11A55-120	KUP-11A55-120	F2	120 VAC	.187" QC/Solder	DPDT	10A	11.26	9.65	8.58	6.97
655-KUP-14A55-24	KUP-14A55-24	F3	24 VAC	.187" QC/Solder	3PDT	10A	13.06	11.20	9.95	8.09
655-KUP-14A55-120	KUP-14A55-120	F3	120 VAC	.187" QC/Solder	3PDT	10A	13.06	11.20	9.95	8.09
655-KUP-14D55-12	KUP-14D55-12	F3	12 VDC	.187" QC/Solder	3PDT	10A	18.23	15.62	13.89	11.28
655-KUP-14D55-24	KUP-14D55-24	F3	24 VDC	.187" QC/Solder	3PDT	10A	18.23	15.62	13.89	11.28
655-KUP-5A55-120	KUP-5A55-120	F4	120 VAC	.187" QC/Solder	SPDT	10A	20.27	17.37	15.44	12.55
655-KUP-5D55-24	KUP-5D55-24	F4	24 VDC	.187" QC/Solder	SPDT	10A	18.23	15.62	13.89	11.28
Sockets and Accessories		Description								
655-27E043	27E043	Solder eyelet socket, rated 15 A, for 1-3 pole relays					1.85	1.58	1.41	1.14
655-27E067	27E067	PCB terminals socket, rated 15 A, for 1-3 pole relays					3.36	2.88	2.56	2.08
655-27E121	27E121	Screw terminal socket, rated 15 A, for 1-3 pole relays					7.06	6.05	5.38	4.37
655-27E396	27E396	.187" quick connect socket, rated 15 A, for 1-3 pole relays					2.96	2.54	2.26	1.83
655-27E867	27E867	Screw terminal socket, rated 15 A, for 4 pole relays					20.94	18.03	16.28	15.12
655-27E893	27E893	Screw terminal, DIN rail snap-mount socket, 1-3 pole relays					8.42	7.22	6.42	5.21
655-20C228	20C228	Hold down spring with screw for 27E043, 27E067, 27E121					.52	.40	.36	.34
655-20C254	20C254	Snap-on hold down spring for 1-4 pole sockets					.35	.30	.28	.26
655-20C318	20C318	Hold down spring for 27E893					.35	.30	.28	.26
655-24A110	24A110	Aluminum DIN rail track, 36"					10.48	9.43	8.38	6.81

DIMENSIONS: mm

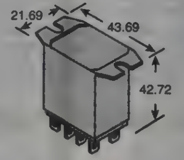
A



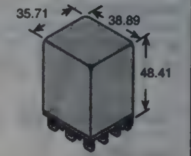
B



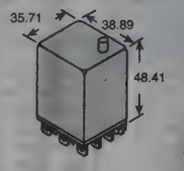
C



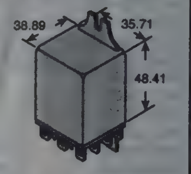
D



E

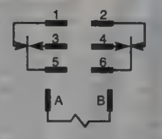


F

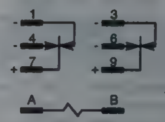


Terminal Arrangements

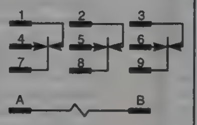
1 DPDT



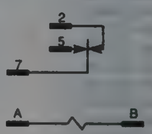
2 SPDT



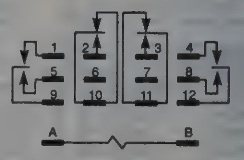
3 2DPDT



4 3PDT



5 4PDT



POTTER & BRUMFIELD General Purpose Relays

Tyco Electronics
Authorized Distributor

P&B KRPA SERIES: 5 & 10 AMP OCTAL-TYPE GENERAL PURPOSE RELAYS

Specifications:
- Enclosure: Clear polycarbonate cover
- Expected Mechanical life: 100,000 operations min.
- Contact material: 5A - Silver; 10A - AgCdO

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-KRPA-11AG-12	KRPA-11AG-12	A1	12 VAC	DPDT	10A	19.24	16.49	14.66	11.91
655-KRPA-11AG-24	KRPA-11AG-24	A1	24 VAC	DPDT	10A	12.46	10.68	9.49	7.94
655-KRPA-11AG-120	KRPA-11AG-120	A1	120 VAC	DPDT	10A	13.73	11.77	10.46	8.50
655-KRPA-11AG-240	KRPA-11AG-240	A1	240 VAC	DPDT	10A	21.95	18.81	16.72	13.59
655-KRPA-11DG-12	KRPA-11DG-12	A1	12 VDC	DPDT	10A	12.83	11.00	9.78	7.94
655-KRPA-11DG-24	KRPA-11DG-24	A1	24 VDC	DPDT	10A	12.83	11.00	9.78	7.94
655-KRPA-11DG-48	KRPA-11DG-48	A1	48 VDC	DPDT	10A	17.64	17.12	15.21	12.75
655-KRPA-11DG-110	KRPA-11DG-110	A1	110 VDC	DPDT	10A	13.73	11.77	10.46	8.50
655-KRPA-11DN-12	KRPA-11DN-12	A1	12 VDC	DPDT	10	19.91	17.06	15.17	12.33
655-KRPA-11DN-24	KRPA-11DN-24	A1	24 VDC	DPDT	10A	13.27	11.38	10.11	8.22
655-KRPA-11DN-110	KRPA-11DN-110	A1	110 VDC	DPDT	10A	19.91	17.06	15.17	12.33
655-KRPA-11AN-12	KRPA-11AN-12	A1	12 VAC	DPDT	10A	19.91	17.06	15.17	12.33
655-KRPA-11AN-24	KRPA-11AN-24	A1	24 VAC	DPDT	10A	19.91	17.06	15.17	12.33
655-KRPA-11AN-120	KRPA-11AN-120	A1	120 VAC	DPDT	10A	14.18	12.15	10.80	8.78
655-KRPA-11AN-240	KRPA-11AN-240	A1	240 VAC	DPDT	10A	22.62	19.39	17.23	14.01
655-KRPA-11AY-12	KRPA-11AY-12	A1	12 VAC	DPDT	5A	19.24	16.49	14.66	11.91
655-KRPA-11AY-24	KRPA-11AY-24	A1	24 VAC	DPDT	5A	19.24	16.49	14.66	11.91
655-KRPA-11AY-120	KRPA-11AY-120	A1	120 VAC	DPDT	5A	21.44	19.30	18.23	16.08
655-KRPA-11DY-12	KRPA-11DY-12	A1	12 VDC	DPDT	5A	19.24	16.49	14.66	11.91
655-KRPA-11DY-24	KRPA-11DY-24	A1	24 VDC	DPDT	5A	19.24	16.49	14.66	11.91
655-KRPA-14AG-12	KRPA-14AG-12	A2	12 VAC	3PDT	10A	21.26	18.22	16.19	13.16
655-KRPA-14AG-24	KRPA-14AG-24	A2	24 VAC	3PDT	10A	14.18	12.15	10.80	8.78
655-KRPA-14AG-120	KRPA-14AG-120	A2	120 VAC	3PDT	10A	15.08	12.92	11.49	9.33
655-KRPA-14AG-240	KRPA-14AG-240	A2	240 VAC	3PDT	10A	22.37	19.17	17.04	13.85
655-KRPA-14DG-12	KRPA-14DG-12	A2	12 VDC	3PDT	10A	21.61	18.52	16.46	13.38
655-KRPA-14DG-24	KRPA-14DG-24	A2	24 VDC	3PDT	10A	14.56	13.83	13.10	12.38
655-KRPA-14DG-48	KRPA-14DG-48	A2	48 VDC	3PDT	10A	22.95	19.67	17.49	14.21
655-KRPA-14DG-110	KRPA-14DG-110	A2	110 VDC	3PDT	10A	24.30	20.83	18.51	15.04
655-KRPA-14AN-24	KRPA-14AN-24	A2	24 VAC	3PDT	10A	21.95	18.81	16.72	13.59
655-KRPA-14AN-120	KRPA-14AN-120	A2	120 VAC	3PDT	10A	15.54	13.32	11.84	9.62
655-KRPA-14AN-240	KRPA-14AN-240	A2	240 VAC	3PDT	10A	22.63	19.40	17.24	15.27
655-KRPA-14DN-24	KRPA-14DN-24	A2	24 VDC	3PDT	10A	22.28	19.10	16.98	13.79
655-KRPA-14AY-24	KRPA-14AY-24	A2	24 VAC	3PDT	5A	21.26	18.22	16.19	13.16
655-KRPA-14AY-120	KRPA-14AY-120	A2	120 VAC	3PDT	5A	22.62	19.39	17.23	14.01
655-KRPA-14AY-240	KRPA-14AY-240	A2	240 VAC	3PDT	5A	23.97	20.54	18.26	14.84
655-KRPA-14DY-24	KRPA-14DY-24	A2	24 VDC	3PDT	5A	21.61	18.52	16.46	13.38

Tyco Electronics
Authorized Distributor

P&B KHAU/KHS SERIES: MULTICONTACT GENERAL PURPOSE RELAYS

Specifications:
- Enclosure: KHAU - Clear polycarbonate cover
- Expected life: 100,000 operations at rated load
- Contact material: 1A - Bifurcated cross bar, Au over Ag; 3A - Ag; 5A-AgCdO

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Price Each			
						1	25	50	100
655-KHAU-17A11-24	KHAU-17A11-24	B	24VAC	4PDT	3A	6.86	6.01	5.32	4.46
655-KHAU-17A11-120	KHAU-17A11-120	B	120VAC	4PDT	3A	7.53	6.56	5.98	5.02
655-KHAU-17A11N-120	KHAU-17A11N-120	B	120VAC	4PDT	3A	9.42	8.25	7.54	6.12
655-KHAU-17A12-120	KHAU-17A12-120	B	120VAC	4PDT	5A	6.86	6.01	5.32	4.46
655-KHAU-17D12-24	KHAU-17D12-24	B	24VDC	4PDT	5A	6.72	5.76	5.12	4.16
655-KHAU-17D11-12	KHAU-17D11-12	B	12VDC	4PDT	3A	6.07	5.14	4.76	4.43
655-KHAU-17D11-24	KHAU-17D11-24	B	24VDC	4PDT	3A	6.72	5.76	5.12	4.16
655-KHAU-17A16-24	KHAU-17A16-24	B	24VAC	4PDT	1A	33.47	29.34	26.55	22.42

Tyco Electronics
Authorized Distributor

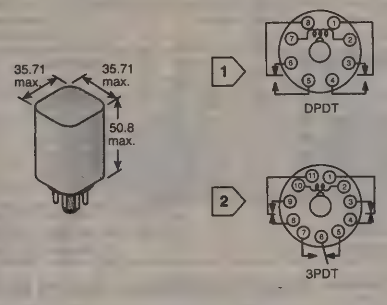
P&B SOCKETS AND ACCESSORIES

For quantities of 500 and up, call for quote.

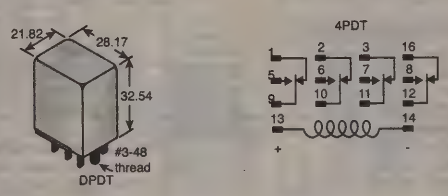
MOUSER STOCK NO.	P&B Part No.	Fig.	Description	Price Each			
				1	25	50	100
KRPA Series							
655-27E122	27E122	C	8-pin screw terminal socket, 10 A, for KRPA11	4.66	4.23	3.86	3.57
655-27E123	27E123	D	11-pin screw terminal socket, 10 A, for KRPA14	5.58	5.30	5.02	4.74
655-27E891	27E891	E	8-pin DIN rail snap mount socket, 10 A, for KRPA11	5.56	5.28	5.00	4.73
655-27E892	27E892	F	11-pin DIN rail snap mount socket, 10 A, for KRPA14	7.98	6.84	6.08	4.94
655-20C176	20C176	--	Hold down spring. Mounts to socket with socket screws	2.10	1.88	1.67	1.50
655-20C318	20C318	--	Hold down spring for use with 27E891, 27E892	.35	.30	.28	.26
655-24A110	24A110	--	Aluminum DIN rail track, 36"	10.48	9.43	8.38	6.81
655-24A071	24A071	--	Steel mounting clip with screw	.57	.45	.42	.39
655-24A072	24A072	--	Plastic twist mounting clip	.93	.80	.74	.49
655-40G432	40G432	--	Plastic insulator	.74	.65	.58	.50
KHAU/KHS Series							
655-27E006	27E006	G	Solder socket w/ grounding provision for KHAU, KHS	1.43	1.28	1.14	.93
655-27E007	27E007	G	PCB terminals socket w/ grounding provision, for KHAU, KHS	1.41	1.21	1.07	.88
655-27E023	27E023	G	PCB terminals socket w/out grounding provision, for KHAU, KHS	1.22	1.04	.93	.75
655-27E166	27E166	H	Screw terminal socket w/ grounding provision for KHAU, KHS	10.58	9.07	8.06	6.55
655-27E894	27E894	H	Screw terminal, DIN rail snap-mount socket, for KHAU, KHS	7.33	6.28	5.58	4.54
655-24A110	24A110	--	Aluminum DIN rail track, 36"	10.48	9.43	8.38	6.81
655-20C217	20C217	--	Hold down spring for 27E006, 27E007, and 27E023	.51	.48	.46	.43
655-20C297	20C297	--	Hold down spring for 27E166 and 27E894	.50	.39	.35	.33

DIMENSIONS: mm

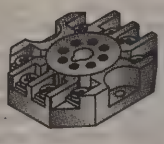
A



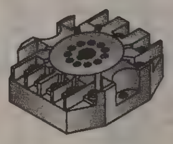
B



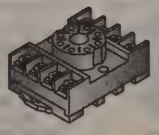
C



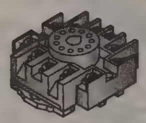
D



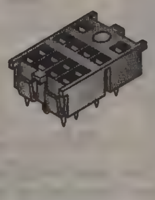
E



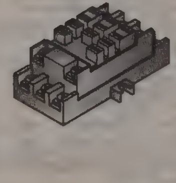
F



G



H



POTTER & BRUMFIELD Time Delay Relays

Tyco Electronics
Authorized Distributor

P&B CB SERIES: CMOS IC TIME DELAY RELAYS

Specifications:
- Choice of timing modes - Delay on operate, delay on release, interval on with or without control switch
- Contact rating: 10A @ 30 VDC
- Termination: 8-pin octal style plug
- Enclosure: White plastic case
- Contact form: DPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Input Voltage	Min./Max. Voltage	Adjust Type	Time Delay (Sec.)	Price Each 1	25	50	100
655	CB-1003B-70	A1	120 VAC	105/130 VAC	Knob	0.1-10	88.24	75.99	68.63	63.73
655	CB-1004B-70	A1	120 VAC	105/130 VAC	Knob	0.6-60	88.24	75.99	68.63	63.73
655	CB-1005B-70	A1	120 VAC	105/130 VAC	Knob	1.8-180	88.24	75.99	68.63	63.73
655	CB-1028D-30	A1	24 VDC	20/32 VDC	Knob	0.1-10	88.24	75.99	68.63	63.73
655	CB-1047D-20	A1	12 VDC	11/13 VDC	Knob	0.1-10	88.24	75.99	68.63	63.73
Sockets and Accessories for CB Series										
655	27E122		8-pin screw terminal socket, rated 10 A				5.96	5.44	4.87	4.30
655	27E891		8-pin DIN rail snap mount socket, rated 10 A				5.29	4.54	4.03	3.28
655	24A110		Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

Tyco Electronics

P&B CD SERIES: CMOS IC TIME DELAY RELAYS

Specifications:
- 1% Repeatability
- Delay on operate timing mode
- Contact rating: 10A @ 30 VDC
- Termination: 8-pin octal style plug
- Enclosure: Yellow plastic case
- Contact form: DPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Input Voltage	Min./Max. Voltage	Adjust Type	Time Delay (Sec.)	Price Each 1	25	50	100
655	CDB-38-70003	A1	120 VAC	105/130 VAC	Knob	0.1-10	171.43	162.00	151.20	140.40
655	CDB-38-70004	A1	120 VAC	105/130 VAC	Knob	0.6-60	172.81	154.53	144.57	129.61
655	CDB-38-70005	A1	120 VAC	105/130 VAC	Knob	1.8-180	172.81	154.53	144.57	129.61
Sockets and Accessories for CD Series										
655	27E122		8-pin screw terminal socket, rated 10 A				5.96	5.44	4.87	4.30
655	27E891		8-pin DIN rail snap mount socket, rated 10 A				5.29	4.54	4.03	3.28
655	24A110		Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

Tyco Electronics
Authorized Distributor

P&B CL SERIES: COMPACT TIME DELAY RELAYS

Specifications:
- Delay on operate timing mode
- No timing cycle interrupt transfer
- Contact rating: 10A @ 30 VDC
- Termination: .187" QC/solder
- Enclosure: Yellow plastic case
- Contact form: DPDT

For quantities of 500 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Case Style	Adjust Type	Time Delay (Sec.)	Price Each 1	25	50	100
655	CLF-41-70010	B2	Plain	Resistor	0.1-10	80.37	75.71	70.84	63.51
655	CLF-42-70010	C2	Bracket mount	Resistor	0.1-10	80.37	75.71	70.84	63.51
655	CLB-51-70010	D3	Bracket mount with test button	Knob	0.1-10	79.71	75.12	70.28	64.27
655	CLB-51-70120	D3	Bracket mount with test button	Knob	1.2-120	79.71	75.12	70.28	64.27
Sockets and Accessories for CL Series									
655	27E043		Solder eyelet socket, rated 15 A			1.85	1.58	1.41	1.14
655	27E067		PCB terminals socket, rated 15 A			3.36	2.88	2.56	2.08
655	27E121		Screw terminal socket, rated 15 A			7.06	6.05	5.38	4.37
655	27E893		Screw terminal, DIN rail snap-mount socket			8.42	7.22	6.42	5.21
655	20C228		Hold down spring with screw for 27E043 and 27E067			.52	.40	.36	.34
655	20C254		Snap-on hold down spring for 27E043 and 27E067			.35	.30	.28	.26
655	20C314		Snap-on hold down spring for 27E121			.50	.39	.35	.33
655	24A110		Aluminum DIN rail track, 36"			10.48	9.43	8.38	6.81

Tyco Electronics
Authorized Distributor

P&B CNT/CNS SERIES: MULTIFUNCTIONAL, DIGITAL TIME DELAY RELAY/COUNTER

Specifications:
- CNT: 10 programmable timing modes + 2 counting modes
- CNS: 8 programmable timing modes (4 on 8 pin models)
- LCD digital display on CNT
- Contact Rating: 10A
- Termination: 11-pin octal style plug, except CNS-35-92 which is 8 pin octal
- Enclosure: Beige plastic 1/16 DIN case
- Contact form: DPDT

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Input Type	Input Voltage	Time Delay	Price Each 1	10	25	50
655	CNT-35-76	E4	Fixed	120 VAC	0.1 sec.- 9990 hr.	75.54	71.24	66.65	59.75
655	CNT-35-96	E4	Universal	24-240 VAC/DC	0.1 sec.- 9990 hr.	98.51	92.54	86.57	77.61
655	CNT-35-26	E4	Fixed	12 VDC	0.1 sec.- 9990 hr.	98.51	92.54	86.57	77.61
655	CNS-35-92	F5	Universal	24-240 VAC/DC	0.1 sec.- 100 min.	66.20	58.64	54.85	49.18
655	CNS-35-96	F6	Universal	24-240 VAC/DC	0.1 sec.- 100 min.	82.90	73.43	68.69	61.58
Sockets for CNT/CNS Series									
655	27E122		8-pin screw terminal socket, rated 10 A			5.96	5.44	4.87	4.30
655	27E123		11-Pin screw terminal socket, 10 A			5.58	5.30	5.02	4.74
655	27E891		8-pin DIN rail snap mount socket, rated 10 A			5.29	4.54	4.03	3.28
655	27E892		11-pin screw terminal, DIN rail snap-mount socket, 10 A			7.98	6.84	6.08	4.94
655	24A110		Aluminum DIN rail track, 36"			10.48	9.43	8.38	6.81

Tyco Electronics
Authorized Distributor

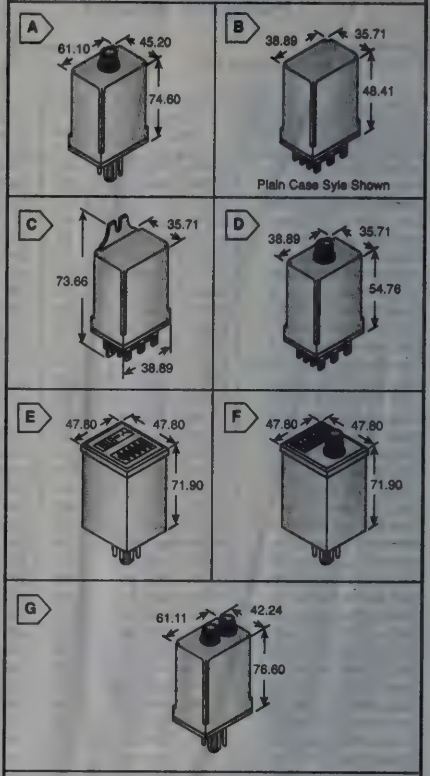
P&B CS SERIES: SOLID STATE HYBRID VOLTAGE SENSORS

Specifications:
- Termination: 8-pin octal style plug
- Enclosure: Plastic dust cover
- Contact form: DPDT on output relay
- Can be used as an over- or undervoltage sensor, depending upon whether the normally closed (NC) or normally open (NO) contacts of the sensor's output relay are used. NC = overvoltage NO = undervoltage

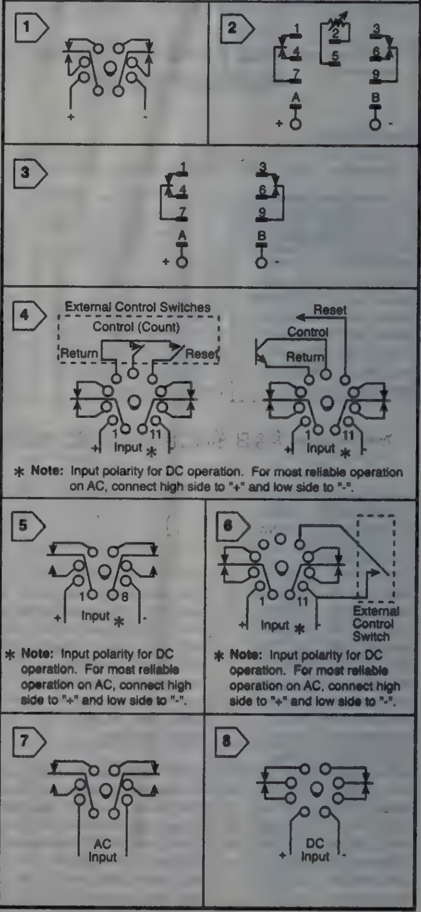
For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Pick-Up Range (Volts)	Drop-Out Range (Volts)	Max. Voltage	Contact Rating	Price Each 1	10	25	50
655	CSJ-38-70010	G7	92-140	90-138	150 VAC	10 A	131.78	117.85	110.24	98.84
655	CSL-38-30010	G8	20-30	18-28	32 VDC	10 A	154.72	146.98	139.24	131.51
655	CSL-38-40010	G8	40-58	38-56	60 VDC	10 A	131.78	117.85	110.24	98.84
655	CSL-38-60010	G8	92-140	90-138	150 VDC	10 A	131.78	117.85	110.24	98.84
Sockets and Accessories for CS Series										
655	27E122		8-pin screw terminal socket, rated 10 A				5.96	5.44	4.87	4.30
655	27E891		8-pin DIN rail snap mount socket, rated 10 A				5.29	4.54	4.03	3.28
655	24A110		Aluminum DIN rail track, 36"				10.48	9.43	8.38	6.81

DIMENSIONS: mm



WIRING DIAGRAM



* **Note:** Input polarity for DC operation. For most reliable operation on AC, connect high side to "+" and low side to "-".

* **Note:** Input polarity for DC operation. For most reliable operation on AC, connect high side to "+" and low side to "-".

* **Note:** Input polarity for DC operation. For most reliable operation on AC, connect high side to "+" and low side to "-".

P&B PRD SERIES: HEAVY DUTY POWER RELAYS

Specifications:
- Initial breakdown voltage: 2000 Vrms between all elements and ground.
- Expected mechanical life: 100,000 operations
- Screw terminal termination

* With magnetic blow-out

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Main Contact Arrangement	Contact Rating	Contact Material	Price Each			
							1	25	50	100
655-PRD-3AY0-120	PRD-3AY0-120	A	120 VAC	SPST-NO-DM	25 A	Silver	19.14	18.58	16.90	14.64
655-PRD-5AY0-120	PRD-5AY0-120	A	120 VAC	SPDT	25 A	Silver	21.95	21.30	19.37	16.79
655-PRD-5DY0-12	PRD-5DY0-12	A	12 VDC	SPDT	25 A	Silver	21.26	20.64	18.77	16.27
655-PRD-7AG0-120	PRD-7AG0-120	B	120 VAC	DPST-NO	30 A	AgCdO	23.63	22.94	20.86	18.07
655-PRD-7AY0-120	PRD-7AY0-120	B	120 VAC	DPST-NO	25 A	Silver	23.75	23.05	20.96	18.16
655-PRD-7AY0-240	PRD-7AY0-240	B	240 VAC	DPST-NO	25 A	Silver	24.26	23.54	21.41	18.55
655-PRD-7DY0-12	PRD-7DY0-12	B	12 VDC	DPST-NO	25 A	Silver	23.00	22.33	20.30	17.59
655-PRD-7DY0-24	PRD-7DY0-24	B	24 VDC	DPST-NO	25 A	Silver	23.00	22.33	20.30	17.59
* 655-PRD-11AH0-120	PRD-11AH0-120	C	120 VAC	DPDT	20 A	Silver	32.87	31.90	29.00	25.13
655-PRD-11AY0-24	PRD-11AY0-24	C	24 VAC	DPDT	25 A	Silver	29.50	28.63	26.03	22.56
655-PRD-11AY0-120	PRD-11AY0-120	C	120 VAC	DPDT	25 A	Silver	28.90	28.05	25.50	22.56
655-PRD-11AG0-120	PRD-11AG0-120	C	120 VAC	DPDT	30 A	AgCdO	28.78	27.93	25.40	22.45
655-PRD-11AY0-240	PRD-11AY0-240	C	240 VAC	DPDT	25 A	Silver	29.98	29.11	26.47	22.94
655-PRD-11DH0-24	PRD-11DH0-24	C	24 VDC	DPDT	20 A	Silver	32.08	31.14	28.31	24.53
655-PRD-11DY0-24	PRD-11DY0-24	C	24 VDC	DPDT	25 A	Silver	28.24	27.41	24.92	22.02
655-PRD-11DY0-110	PRD-11DY0-110	C	110 VDC	DPDT	25 A	Silver	31.62	30.69	27.90	24.18
655-PRD-11DG0-24	PRD-11DG0-24	C	24 VDC	DPDT	30 A	AgCdO	28.75	27.90	25.37	21.98
* 655-PRD-11DH0-110	PRD-11DH0-110	C	110 VDC	DPDT	20 A	Silver	34.31	33.30	30.27	26.75

P&B S86/S87 SERIES: LOW COST INDUSTRIAL RELAYS

Specifications:
- UL Class B coil insulation system
- Coil terminal locations: S86 - Same side as switch terminals; S87 - Perpendicular to switch terminals
- Expected mechanical life: 1 million operations
- Applications include spa controls, vending machines, and HVAC

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Coil Current	Price Each			
							1	25	50	100
655-S87R5A2B1D1-120	S87R5A2B1D1-120	D	120 VAC	SPDT	20 A	33 mA	19.13	15.18	14.62	14.62
655-S87R11A2B1D1120	S87R11A2B1D1-120	D	120 VAC	DPDT	20 A	33 mA	32.55	30.92	29.29	27.67
655-S86R11A1B1D1120	S86R11A1B1D1-120	E	120 VAC	DPDT	20 A	33 mA	34.31	32.59	30.88	29.16

P&B S89/S90 SERIES: BISTABLE IMPULSE RELAYS

Specifications:
- Operates on 75ms min. pulse
- Expected mechanical life: 100,000 operations
- UL Class B coil insulation system
- Applications include garage door controls, motor reversing, and lighting controls

***With dust cover and octal plug-in base**

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Form	Contact Rating	Coil/Switch Terminals	Price Each			
							1	25	50	100
* 655-S89R11APP1-120	S89R11APP1-120	F	120 VAC	DPDT	15 A	-----	50.93	48.38	45.84	43.29
655-S89R11DAC1-12	S89R11DAC1-12	G	12 VDC	DPDT	15 A	.187 QC	43.62	41.45	39.27	37.08
655-S89R11DAC1-24	S89R11DAC1-24	G	24 VDC	DPDT	15 A	.187 QC	42.34	40.22	38.10	35.99
655-S89R5AAC1-120	S89R5AAC1-120	G	120 VAC	SPDT	15 A	.187" QC	28.12	26.46	23.16	21.50
655-S89R5AAC1-24	S89R5AAC1-24	G	24 VAC	SPDT	15 A	.187" QC	28.12	26.46	23.16	21.50
655-S89R5DAC1-12	S89R5DAC1-12	G	12 VDC	SPDT	15 A	.187" QC	26.63	25.07	21.94	20.37
655-S90R5ABD1-120	S90R5ABD1-120	G	120 VAC	SPDT	20 A	.250" QC	39.64	37.66	35.68	33.70

P&B DEFINITE PURPOSE MAGNETIC CONTACTORS

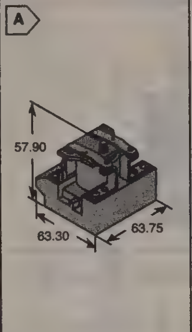
Specifications:
- Contact material: Silver-cadmium oxide
- Expected mechanical life: AC coil - 2 million operations
  DC coil - 10 million operations
- For controlling motors, power supplies, heating elements, and lighting
- Minimum contact load: 3A @ 120 VAC
- Class A insulation class
- Coil terminals: 8-32 Screw terminals and .250" QC

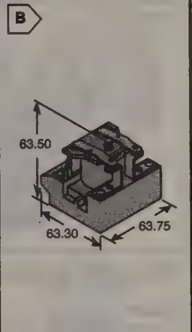
*** With SPDT auxiliary switch**

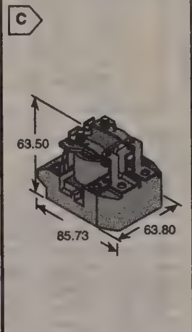
For quantities of 500 and up, call for quote.

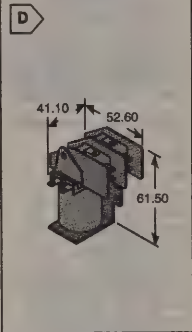
MOUSER STOCK NO.	P&B Part No.	Fig.	Coil Voltage	Contact Arrangement	Contact Rating	Contact Material	Price Each			
							1	25	50	100
655-P25P42A22P1-120	P25P42A22P1-120	H	120 VAC	3PST-NO-DM	25 A	AgCdO	75.53	73.31	66.65	57.77
655-P25P42A22P1-240	P25P42A22P1-240	H	240 VAC	3PST-NO-DM	25 A	AgCdO	75.53	73.31	66.65	57.77
655-P25P42D22P1-24	P25P42D22P1-24	I	24 VDC	3PST-NO-DM	25 A	AgCdO	66.52	64.57	58.70	50.87
655-P30P42D12P1-24	P30P42D12P1-24	J	24 VDC	3PST-NO-DM	30 A	AgCdO	78.43	76.12	69.22	59.99
* 655-P40P42D12P1-24	P40P42D12P1-24	J	24 VDC	3PST-NO-DM	40 A	AgCdO	95.96	91.16	86.36	81.56

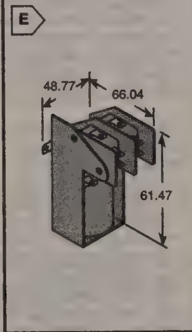
DIMENSIONS: mm

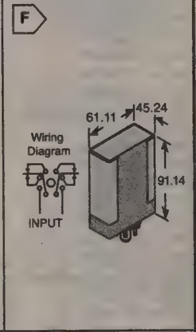


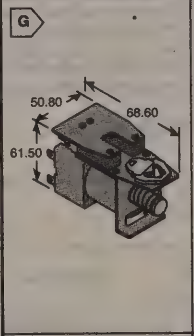


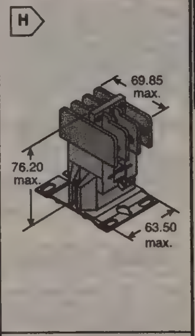


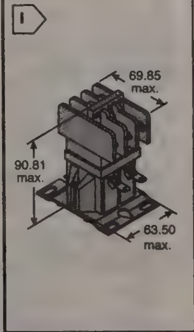


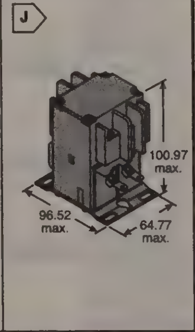






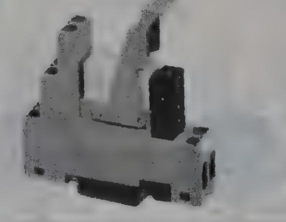


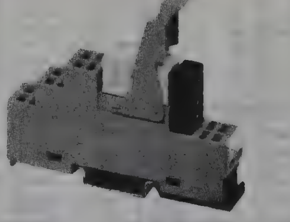


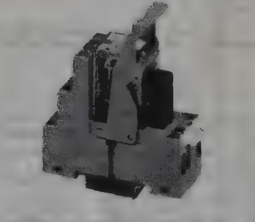


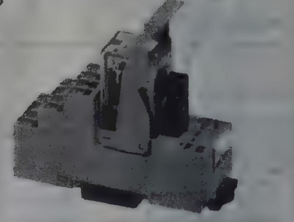
PHOENIX CONTACT DIN Rail Relays

AC Version Shown

A


B


C


D


PR1 SERIES DIN RAIL RELAYS

Features:

- Fully assembled relays: includes relay, base, protection circuit, locking/ejection lever
- Connection type: Screw or Spring
- Solid State Relays
- Service friendly pluggable components
- LED indication

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Input Voltage	Continous Current	Contact Type	Max Switching Voltage	Protective Circuit Type	Price Each		
Mfr.	Mfr. Part Number								1	10	50
Screw Cage Connection											
651	2834326	PRI-RSC3-LDP-24DC/21	A	24V DC	12A	SPDT	250V AC/DC	status LED and free-wheeling diode	14.34	12.93	11.95
651	2834339	PRI-RSC3-LV-24AC/21	A	24V AC	12A	SPDT	250V AC/DC	status LED and varistor	15.50	13.98	12.92
651	2834342	PRI-RSC3-LV-120AC/21	A	120V AC	12A	SPDT	250V AC/DC	status LED and varistor	17.72	15.97	14.76
651	2834355	PRI-RSC3-LV-230AC/21	A	230V AC	12A	SPDT	250V AC/DC	status LED and varistor	16.87	15.21	14.06
651	2834481	PRI-RSC3-LDP-24DC/2X21	A	24V DC	8A	DPDT	250V AC/DC	status LED and free-wheeling diode	14.34	12.93	11.95
651	2834494	PRI-RSC3-LV-24AC/2X21	A	24V AC	8A	DPDT	250V AC/DC	status LED and varistor	14.76	13.31	12.30
651	2834504	PRI-RSC3-LV-120AC/2X21	A	120V AC	8A	DPDT	250V AC/DC	status LED and varistor	17.72	15.97	14.76
651	2834517	PRI-RSC3-LV-230AC/2X21	A	230V AC	8A	DPDT	250V AC/DC	status LED and varistor	16.87	15.21	14.06
Screw Cage Connection - Gold Plated Contact											
651	2834368	PRI-RSC3-LDP-24DC/21AU	A	24V DC	50mA	SPDT	30V AC/36V DC	status LED and free-wheeling diode	22.15	19.97	18.45
651	2834371	PRI-RSC3-LV-24AC/21AU	A	24V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor	22.15	19.97	18.45
651	2834384	PRI-RSC3-LV-120AC/21AU	A	120V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor	27.42	24.72	22.85
651	2834397	PRI-RSC3-LV-230AC/21AU	A	230V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor	32.69	29.48	27.24
651	2834520	PRI-RSC3-LDP-24DC/2X21AU	A	24V DC	50mA	DPDT	30V AC/36V DC	status LED and free-wheeling diode	23.25	20.97	19.38
651	2834533	PRI-RSC3-LV-24AC/2X21AU	A	24V AC	50mA	DPDT	30V AC/36V DC	status LED and varistor	22.15	19.97	18.45
651	2834546	PRI-RSC3-LV-120AC/2X21AU	A	120V AC	50mA	DPDT	30V AC/36V DC	status LED and varistor	27.42	24.72	22.85
651	2834559	PRI-RSC3-LV-230AC/2X21AU	A	230V AC	50mA	DPDT	30V AC/36V DC	status LED and varistor	32.69	29.48	27.24
Spring Cage Connection											
651	2834407	PRI-RSP3-LDP-24DC/21	B	24V DC	10A	SPDT	250V AC/DC	status LED and free-wheeling diode	15.29	13.79	12.74
651	2834410	PRI-RSP3-LV-24AC/21	B	24V AC	10A	SPDT	250V AC/DC	status LED and varistor	16.35	14.74	13.62
651	2834423	PRI-RSP3-LV-120AC/21	B	120V AC	10A	SPDT	250V AC/DC	status LED and varistor	18.82	16.97	15.69
651	2834436	PRI-RSP3-LV-230AC/21	B	230V AC	10A	SPDT	250V AC/DC	status LED and varistor	18.98	17.11	15.82
651	2834562	PRI-RSP3-LDP-24DC/2X21	B	24V DC	8A	DPDT	250V AC/DC	status LED and free-wheeling diode	15.29	13.79	12.74
651	2834575	PRI-RSP3-LV-24AC/2X21	B	24V AC	8A	DPDT	250V AC/DC	status LED and varistor	16.35	14.74	13.62
651	2834588	PRI-RSP3-LV-120AC/2X21	B	120V AC	8A	DPDT	250V AC/DC	status LED and varistor	17.93	16.16	14.94
651	2834591	PRI-RSP3-LV-230AC/2X21	B	230V AC	8A	DPDT	250V AC/DC	status LED and varistor	18.98	17.11	15.82
Spring Cage Connection - Gold Plated Contact											
651	2834449	PRI-RSP3-LDP-24DC/21AU	B	24V DC	50mA	SPDT	30V AC/36V DC	status LED and free-wheeling diode	23.20	20.92	19.33
651	2834452	PRI-RSP3-LV-24AC/21AU	B	24V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor	23.20	20.92	19.33
651	2834465	PRI-RSP3-LV-120AC/21AU	B	120V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor	28.47	25.67	23.73
651	2834478	PRI-RSP3-LV-230AC/21AU	B	230V AC	50mA	SPDT	30V AC/36V DC	status LED and varistor	33.75	30.43	28.12
651	2834601	PRI-RSP3-LDP-24DC/2X21AU	B	24V DC	50mA	DPDT	30V AC/36V DC	status LED and free-wheeling diode	23.20	20.92	19.33
651	2834614	PRI-RSP3-LV-24AC/2X21AU	B	24V AC	50mA	DPDT	30V AC/36V DC	status LED and varistor	23.20	20.92	19.33
651	2834627	PRI-RSP3-LV-120AC/2X21AU	B	120V AC	50mA	DPDT	30V AC/36V DC	status LED and varistor	28.47	25.67	23.73
651	2834630	PRI-RSP3-LV-230AC/2X21AU	B	230V AC	50mA	DPDT	30V AC/36V DC	status LED and varistor	33.75	30.43	28.12

PR2 SERIES DIN RAIL RELAYS

Features:

- Fully assembled relays: includes relay, base, protection circuit, locking /ejection lever
- Connection type: Screw or Spring
- Industrial "ice cube" style relay
- Manual test button
- Service friendly pluggable components
- LED indication

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Phoenix Type	Fig.	Input Voltage	Continous Current	Contact Type	Max Switching Voltage	Protective Circuit Type	Price Each		
Mfr.	Mfr. Part Number								1	10	50
Screw Cage Connection											
651	2834643	PR2-RSC3-LDP-24DC/2X21	C	24V DC	10A	DPDT	250V AC/125V DC	status LED and free-wheeling diode	15.50	13.98	12.92
651	2834656	PR2-RSC3-LV-24AC/2X21	C	24V AC	10A	DPDT	250V AC/125V DC	status LED and varistor	18.45	16.64	15.38
651	2834669	PR2-RSC3-LV-120AC/2X21	C	120V AC	10A	DPDT	250V AC/125V DC	status LED and varistor	19.38	17.48	16.15
651	2834672	PR2-RSC3-LV-230AC/2X21	C	230V AC	10A	DPDT	250V AC/125V DC	status LED and varistor	19.51	17.59	16.26
Screw Cage Connection - Gold Plated Contacts											
651	2834724	PR2-RSC3-LDP-24DC/4X21AU	C	24V DC	5A	4PDT	250V AC/125V DC	status LED and free-wheeling diode	16.06	14.48	13.38
651	2834737	PR2-RSC3-LV-24AC/4X21AU	C	24V AC	5A	4PDT	250V AC/125V DC	status LED and varistor	19.93	17.97	16.61
651	2834740	PR2-RSC3-LV-120AC/4X21AU	C	120V AC	5A	4PDT	250V AC/125V DC	status LED and varistor	18.98	17.11	15.82
651	2834753	PR2-RSC3-LV-230AC/4X21AU	C	230V AC	5A	4PDT	250V AC/125V DC	status LED and varistor	20.04	18.07	16.70
Spring Cage Connection											
651	2834685	PR2-RSP3-LDP-24DC/2X21	D	24V DC	10A	DPDT	250V AC/125V DC	status LED and free-wheeling diode	16.87	15.21	14.06
651	2834698	PR2-RSP3-LV-24AC/2X21	D	24V AC	10A	DPDT	250V AC/125V DC	status LED and varistor	20.56	18.54	17.14
651	2834708	PR2-RSP3-LV-120AC/2X21	D	120V AC	10A	DPDT	250V AC/125V DC	status LED and varistor	20.56	18.54	17.14
651	2834711	PR2-RSP3-LV-230AC/2X21	D	230V AC	10A	DPDT	250V AC/125V DC	status LED and varistor	21.09	19.02	17.58
Spring Cage Connection - Gold Plated Contacts											
651	2834766	PR2-RSP3-LDP-24DC/4X21AU	D	24V DC	5A	4PDT	250V AC/125V DC	status LED and free-wheeling diode	17.40	15.69	14.50
651	2834779	PR2-RSP3-LV-24AC/4X21AU	D	24V AC	5A	4PDT	250V AC/125V DC	status LED and varistor	21.09	19.02	17.58
651	2834782	PR2-RSP3-LV-120AC/4X21AU	D	120V AC	5A	4PDT	250V AC/125V DC	status LED and varistor	22.15	19.97	18.45
651	2834795	PR2-RSP3-LV-230AC/4X21AU	D	230V AC	5A	4PDT	250V AC/125V DC	status LED and varistor	22.15	19.97	18.45

PHOENIX CONTACT DIN Rail Relays

PLC SERIES DIN RAIL RELAYS

Features:

- All relay terminal blocks come with pluggable relay installed
- Terminal blocks have screw clamp contacts
- Terminal blocks have a indicator LED
- Convenient and cost saving plug-in bridge system available
- Relays are easily replaced without wiring being removed
- Solid State Optocouplers versions are available
- Terminal block width: 6.2mm for SPDT and OPTO; 14mm for DPDT

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Input Voltage	Contact Type	Contact Material	Description	Price Each	
Mfr.	Mfr. Part No.							1	10
Universal PLC Series with Pluggable Relay									
651	2966906	A	PLC-RSC-12DC/21	12 V DC	SPDT	AgSnO	Standard Power Contact	15.90	14.87
651	2966171	A	PLC-RSC-24DC/21	24 V DC	SPDT	AgSnO	Standard Power Contact	12.78	12.14
651	2966184	A	PLC-RSC-24UC/21	24 V AC/DC	SPDT	AgSnO	Standard Power Contact	18.00	16.84
651	2966197	A	PLC-RSC-120UC/21	120 V AC	SPDT	AgSnO	Standard Power Contact	18.17	17.00
651	2967060	A	PLC-RSC-24DC/21-21	24 V DC	DPDT	AgNi	Standard Power Contact	21.58	20.19
651	2967073	A	PLC-RSC-24UC/21-21	24 V AC/DC	DPDT	AgNi	Standard Power Contact	29.53	27.62
651	2967086	A	PLC-RSC-120UC/21-21	120 V AC	DPDT	AgNi	Standard Power Contact	26.11	24.43
651	2966919	A	PLC-RSC-12DC/21AU	12 V DC	SPDT	Ag+Au	Multi-Layer Contact	23.85	22.31
651	2966265	A	PLC-RSC-24DC/21AU	24 V DC	SPDT	Ag+Au	Multi-Layer Contact	21.58	20.19
651	2966278	A	PLC-RSC-24UC/21AU	24 V AC/DC	SPDT	Ag+Au	Multi-Layer Contact	21.58	20.19
651	2966281	A	PLC-RSC-120UC/21AU	120 V AC	SPDT	Ag+Au	Multi-Layer Contact	27.26	25.50
651	2967125	A	PLC-RSC-24DC/21-21AU	24 V DC	DPDT	AgNi+Au	Multi-Layer Contact	30.66	28.68
651	2967112	A	PLC-RSC-24UC/21-21AU	24 V AC/DC	DPDT	AgNi+Au	Multi-Layer Contact	31.79	29.74
651	2967138	A	PLC-RSC-120UC/21-21AU	120 V AC	DPDT	AgNi+Au	Multi-Layer Contact	40.88	38.24
651	2967604	A	PLC-RSC-24DC/1IC/ACT	24 V DC	1 N/O	AgSnO	High Inrush Current (80A)	28.39	26.56
651	2967617	A	PLC-RSC-12DC/21HC	12 V DC	SPDT	AgNi	High Continuous Current (10A)	27.26	25.50
651	2967620	A	PLC-RSC-24DC/21HC	24 V	SPDT	AgNi	High Continuous Current (10A)	21.58	20.19
651	2967662	A	PLC-RSC-120UC/21HC	120 V AC	SPDT	AgNi	High Continuous Current (10A)	26.11	24.43
651	2966210	A	PLC-RSC-24DC/1/ACT	24 V DC	1 N/O	AgSnO	Actuator Type (6A)	13.63	12.75
651	2967109	A	PLC-RSC-24DC/1-1/ACT	24 V DC	2 N/O	AgNi	Actuator Type (6A)	19.88	18.60
651	2966320	A	PLC-RSC-120UC/1AU/SEN	120 V AC	1 N/O	AgAu	Sensor Type	23.25	21.75
651	5603593	A	PLC-RSC-120UC/21/SO46	120 V AC	SPDT	AgSnO	RCZ Interference Filter	36.00	33.68
651	5603678	A	PLC-RSC-24DC/21-21/AEx	24 V DC	DPDT	AgNi	Class 1, Division 2 Rated	32.00	29.94
651	5603154	A	PLC-RSC-24DC/21 C1D2	24 V DC	SPDT	AgSnO	Class 1, Division 2 Rated	21.00	19.65
651	5603157	A	PLC-RSC-120UC/21 C1D2	120 V AC	SPDT	AgSnO	Class 1, Division 2 Rated	25.00	23.39
Universal PLC Series with Pluggable Optocoupler									
651	2966634	A	PLC-OSC-24DC/24DC/2	24 V DC	OPTO	----	33 VDC Max Switching (3A)	31.79	29.74
651	2966650	A	PLC-OSC-120UC/24DC/2	120 V AC	OPTO	----	33 VDC Max Switching (3A)	49.97	46.75
651	2966676	A	PLC-OSC-24DC/24DC/2/ACT	24 V DC	OPTO	----	33 VDC Max Switching, Actuator	35.13	32.86
651	2966728	A	PLC-OSC-24DC/48DC/100	24 V DC	OPTO	----	48 VDC Max Switching (100mA)	24.12	22.56
651	2966744	A	PLC-OSC-120UC/48DC/100	120 V AC	OPTO	----	48 VDC Max Switching (100mA)	29.16	27.28
PLC Series DIN Rail Relay Accessories									
651	2296870	---	PLC-VT	----	----	----	Green Standard Feed Thru Terminal Block (6A)	8.53	7.98
651	2966508	---	PLC-ESK GY	----	----	----	Gray Power Feed Thru Terminal Block (32A)	17.03	15.93
651	2966841	---	PLC-ATP BK	----	----	----	Black Separation Plate	1.71	1.60
651	2295554	---	PLC-V8/FLK 14/OUT	----	----	----	Rapid Output Plug Adapter to 14 Pin Ribbon Connection	37.17	34.77
651	2966692	---	FBST 500-PLC BU	----	----	----	Blue Continuous Plug-in Bridge (500mm Long)	18.17	17.00
651	2966786	---	FBST 500-PLC RD	----	----	----	Red Continuous Plug-In Bridge (500mm Long)	18.17	17.00
651	2966838	---	FBST 500-PLC GY	----	----	----	Gray Continuous Plug-In Bridge (500mm Long	18.17	17.00
651	1051003	---	ZB 6:UNBEDRUCKT	----	----	----	ZB 6 Unprinted Marker Strip 10 section	.80	.70

UMK 22 PLUGGABLE DIN RAIL POWER RELAY MODULES

Features:

- Modules comes with a installed pluggable relay
- Standard relay socket installed on module
- Terminal Block has screw clamp contacts
- Modules have a coil indicator LED
- Relays are easily replaced without wiring being removed
- Built in dampening diode circuit for DC

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Input Voltage	Contact Type	Cont. Current	Description	Price Each	
Mfr.	Mfr. Part No.							1	10
651	5520695	B	UMK 22 REL 24/21-ST	24 V DC	SPDT	10A	Pluggable Relay w/Mounting Base	36.94	34.56
651	5520705	B	UMK 22 REL 120/21-ST	120 V DC	SPDT	10A	Pluggable Relay w/Mounting Base	47.89	44.80
651	5520734	B	UMK 22 REL 24/21-21-ST	24 V DC	DPDT	5A	Pluggable Relay w/Mounting Base	47.89	44.80
651	5520721	B	UMK 22 REL 120/21-21-ST	120 V DC	DPDT	5A	Pluggable Relay w/Mounting Base	56.09	52.47

ELECTRONIC LOAD RELAY

NEW FROM SUPPLIER

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Input Voltage	Contact Type	Cont. Current	Description	Price Each
Mfr.	Mfr. Part No.							
651	2297138	C	ELR 1-24DC/600AC/20	24V DC	20 A	20A	Single phase	109.00
651	2297154	C	ELR 1-24DC/600AC/30	24V DC	30 A	30A	Single phase	128.00
651	2297170	C	ELR 1-24DC/600AC/50	24V DC	50 A	50A	Single phase	154.00
651	2297141	C	ELR 1-230AC/600AC/20	230 VAC	20 A	20A	Single phase	118.00
651	2297167	C	ELR 1-230AC/600AC/30	230 VAC	30 A	30A	Single phase	141.00
651	2297183	C	ELR 1-230AC/600AC/50	230 VAC	50 A	50A	Single phase	171.00

PSR DIN RAIL SAFETY RELAYS

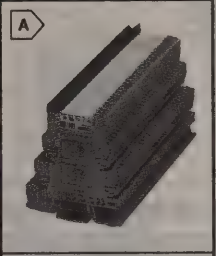
Features:

- Applications include emergency stops, safety doors, safe time, and two-handed control
- 22.5mm Housing made from polyamide PA material
- Input Voltage: 24V AC/DC
- Housing Color: Yellow or Green
- For more safety contacts use expansion module

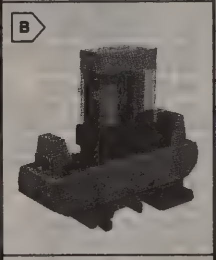
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Safety Standard	Contacts	Activation	Description	Price Each
Mfr.	Mfr. Part No.							
651	2963718	D	PSR-SCP-24UC/ESM4/2X1/1X2	Cat. 4 (EN 954-1)	2 N/O, 1 N/C	Manual	1 or 2-channel for normally closed emergency stop and safety doors	169.73
651	2963750	D	PSR-SCP-24UC/ESA4/2X1/1X2	Cat. 4 (EN 954-1)	2 N/O, 1 N/C	Manual / Auto	1 or 2-channel for normally closed emergency stop and safety doors	169.73
651	2963776	D	PSR-SCP-24UC/ESM4/3X1/1X2/B	Cat. 4 (EN 954-1)	3 N/O, 1 N/C	Manual	1 or 2-channel for normally closed emergency stop and safety doors	202.59
651	2963763	D	PSR-SCP-24UC/ESA4/3X1/1X2/B	Cat. 4 (EN 954-1)	3 N/O, 1 N/C	Manual / Auto	1 or 2-channel for normally closed emergency stop and safety doors	202.59
651	2963912	D	PSR-SCP-24UC/ESAM4/8X1/1X2	Cat. 4 (EN 954-1)	8 N/O, 1 N/C	Manual / Auto	1 or 2-channel for emergency stop and safety doors, and solid state	385.46
651	2963802	D	PSR-SCP-24UC/ESA2/4X1/1X2/B	Cat. 2 (EN954-1)	4 N/O, 1 N/C	Manual / Auto	1 channel for normally closed emergency stop and safety doors	189.45
651	2963721	D	PSR-SCP-24UC/THC4/2X1/1X2	Cat. 4 (EN954-1)	2 N/O, 1 N/C	Auto	2 channel two hand control and safety door	217.22
651	2963734	D	PSR-SCP-24UC/URM4/5X1/2X2	Cat. 4 (EN954-1)	5 N/O, 2 N/C	-------	1 or 2-channel expansion module	160.41
651	2981114	D	PSR-SCP-24-230UC/ESAM4/3X1/1X2	Cat. 4 (EN 954-1)	3 NO, 1NC	Manual / Auto	1 or 2-channel for emergency stop and safety doors, and solid state	249.90
651	2981020	D	PSR-SCP-24UC/ESP4/2X1/1X2	Cat. 2/4 (EN 954-1)	2NO, 1NC	Manual / Auto	1channel "safe PLC outputs" emergency stop, safety door	172.66
651	2981059	D	PSR-SCP-24UC/ESL4/2X1/1X2	Cat. 4 (EN 954-1)	3NO, 1NC	Manual / Auto	2 channel emergency stop, safety door, solid state	217.12
651	2981428	D	PSR-SCP-24UC/ESD/5X1/1X2/300	Cat. 3/4 (EN 954-1)	3NO, 2NO, 1NC	Manual / Auto	2 channel emergency stop, safety door, solid state	313.64
651	2981033	D	PSR-SCP-24UC/URM4/5X1/2X2B	Cat. 4 (EN 954-1)	5N/O, 2N/C	-------	1 channel 24V expansion module	172.66
651	2963747	E	PSR-SCP-24UC/URM/5X1/2X2	Type A (EN50-205)	5N/O, 2N/C	-------	Force guided relay, green housing	95.80
651	2981402	E	PSR-SCP-24UC/URM/5X1/2X2	Type A (EN50-205)	5N/O, 2N/C	-------	120V Force guided relay, green housing	112.51
651	2981363	E	PSR-SCP-24UC/URM/2X21	Type C (EN50-205)	DPDT	-------	24V Force guided relay	46.79
651	2981376	E	PSR-SCP-120UC/URM/2X21	Type C (EN50-205)	DPDT	-------	120V Force guided relay	46.79
651	2981444	E	PSR-SCF-24UC/URM/4X1/2X2	Type A (EN50-205)	4N/O, 2N/C	-------	Force guided relay, 24V coil	72.45
651	2981460	E	PSR-SCF-120UC/URM/4X1/2X2	Type A (EN50-205)	4N/O, 2N/C	-------	Force guided relay, 24V coil	82.95

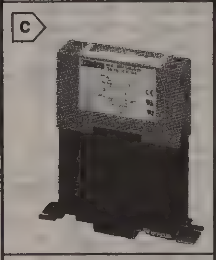
A



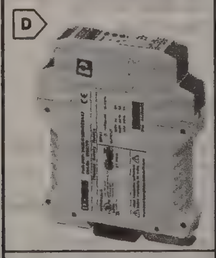
B



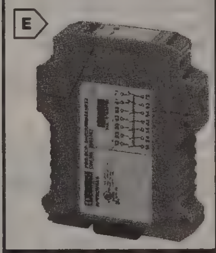
C



D



E

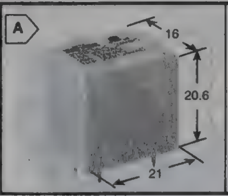


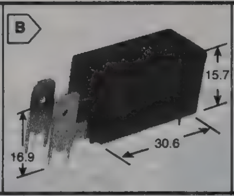
SONG CHUAN General Purpose Relays

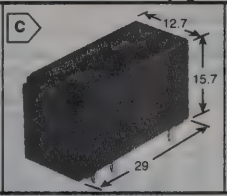
SONG CHUAN
U.S.A

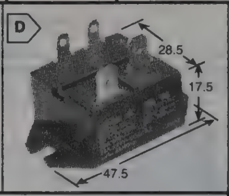
DIMENSIONS: mm

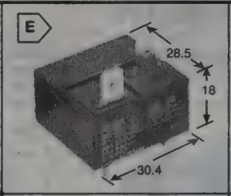
RoHS Compliant This page of product is compliant.

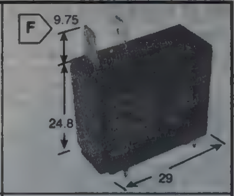
A


B


C


D


E


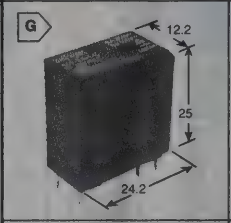
F


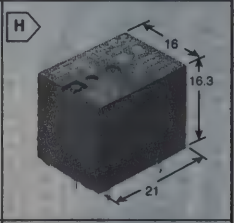
GENERAL PURPOSE RELAYS

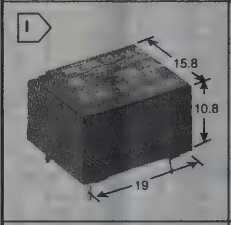
RoHS Compliant

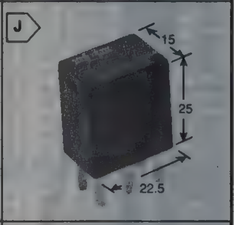
For quantities of 500 and up, call for quote.

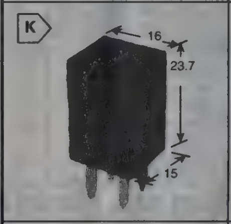
MOUSER STOCK NO.	Song Chuan Part No.	Fig.	Contact Form	Contact Rating	Coil Voltage	Price Each			
						1	25	50	100
Miniature PCB Surge Relays									
893-875B1CCFS12VDC	875B-1CC-F-S-12VDC	A	SPDT	16A	12VDC	2.72	2.04	1.84	1.56
893-875B1CCFS24VDC	875B-1CC-F-S-24VDC	A	SPDT	16A	24VDC	2.72	2.04	1.84	1.56
Low Profile Relays w/Fasten Terminals									
893-881WP11ACFS12VDC	881WP1-1AC-F-S-12VDC	B	SPNO	18A	12VDC	3.56	2.67	2.40	1.78
893-881WP11ACFS24VDC	881WP1-1AC-F-S-24VDC	B	SPNO	18A	24VDC	3.56	2.67	2.40	1.78
High Inrush Miniature PCB Relays									
893-888HN1AHFSIR12	888HN-1AH-F-S-IR-12VDC	C	SPNO	17A	12VDC	2.92	2.19	1.97	1.74
893-888HN1AHFSIR24V	888HN-1AH-F-S-IR-24VDC	C	SPNO	17A	24VDC	2.92	2.19	1.97	1.74
Miniature Power Relays									
893-852W1AFC112VDC	852W-1A-F-C1-12VDC	D	SPNO	25A	12VDC	3.16	2.37	2.13	1.99
893-852W1AFC124VDC	852W-1A-F-C1-24VDC	D	SPNO	25A	24VDC	3.16	2.37	2.13	1.99
893-852WP1AFC12VDC	852WP-1A-F-C-12VDC	E	SPNO	25A	12VDC	3.16	2.37	2.13	1.91
893-852WP1AFC24VDC	852WP-1A-F-C-24VDC	E	SPNO	25A	24VDC	3.16	2.37	2.13	1.91
893-302WP1AHFC12VDC	302WP-1AH-F-C-12VDC	F	SPNO	20A	12VDC	2.68	2.01	1.81	1.63
893-302WP1AHFC24VDC	302WP-1AH-F-C-24VDC	F	SPNO	20A	24VDC	2.68	2.01	1.81	1.63
893-4012AHS12VDC	401-2AH-S-12VDC	G	DPNO	5A	12VDC	1.92	1.44	1.30	1.06
893-4012AHS24VDC	401-2AH-S-24VDC	G	DPNO	5A	24VDC	1.92	1.44	1.30	1.06
893-812H1CS12VDC	812H-1C-S-12VDC	H	SPDT	10A	12VDC	1.28	.96	.86	.71
893-812H1CS24VDC	812H-1C-S-24VDC	H	SPDT	10A	24VDC	1.28	.96	.86	.71
Flat Pack Miniature Relays									
893-8341AFS12VDC	834-1A-F-S-12VDC	I	SPNO	12A	12VDC	1.88	1.41	1.27	1.10
893-8341AFS24VDC	834-1A-F-S-24VDC	I	SPNO	24A	24VDC	1.88	1.41	1.27	1.10
Automotive Relays									
893-301CCS12VDC	301-1C-C-12VDC	J	SPDT	35A	12VDC	3.36	2.52	2.27	1.77
893-3031AHC12VDC	303-1AH-C-12VDC	K	SPNO	35A	12VDC	3.56	2.67	2.40	1.93
893-896H1CHC12VDC	896H-1CH-C-12VDC	L	SPDT	30A	12VDC	2.88	2.16	1.94	1.61
893-896HP1CHC12VDC	896HP-1CH-C-12VDC	L	SPDT	50A	12VDC	2.88	2.16	1.94	1.61
893-8971AHC12VDC	897-1AH-C-12VDC	M	SPNO	70A	12VDC	4.28	3.21	2.89	2.39
893-897P1AHC12VDC	897P-1AH-C-12VDC	M	SPNO	70A	12VDC	4.28	3.21	2.89	2.39
893-898H1CHC12V	898H-1CH-C-12VDC	N	SPDT	50A	12VDC	3.24	2.43	2.19	1.81
Miniature PCB Sugar Cube Relays									
893-833H1CS12VDC	833H-1C-S-12VDC	O	SPDT	10A	12VDC	1.00	.75	.68	.57
893-833H1CS24VDC	833H-1C-S-24VDC	O	SPDT	10A	24VDC	1.00	.75	.68	.57
Heavy Duty General Purpose Relays									
893-832A1CFS12VDC	832A-1C-F-S-12VDC	P	SPDT	30A	12VDC	2.88	2.16	1.94	1.84
893-832A1CFS24VDC	832A-1C-F-S-24VDC	P	SPDT	30A	24VDC	2.88	2.16	1.94	1.84
893-832AW1CFC112VDC	832AW-1C-F-C1-12VDC	P	SPDT	30A	12VDC	3.00	2.25	2.03	1.70
893-832AW1CFC124VDC	832AW-1C-F-C1-24VDC	P	SPDT	30A	24VDC	3.00	2.25	2.03	1.70
893-832AWP1CS12VDC	832AWP-1C-S-12VDC	P	SPDT	30A	12VDC	3.24	2.43	2.19	1.84
893-832AWP1CS24VDC	832AWP-1C-S-24VDC	P	SPDT	30A	24VDC	3.24	2.43	2.19	1.84
High Rating Miniature PCB Relays									
893-8811CCFS12VDC	881-1CC-F-S-12VDC	Q	SPDT	12A	12VDC	2.84	2.13	1.92	1.67
893-8811CCFS24VDC	881-1CC-F-S-24VDC	Q	SPDT	12A	24VDC	2.84	2.13	1.92	1.67
893-881H1CCFS12VDC	881H-1CC-F-S-12VDC	Q	SPDT	16A	12VDC	2.84	2.13	1.92	1.67
893-881H1CCFS24VDC	881H-1CC-F-S-24VDC	Q	SPDT	16A	24VDC	2.84	2.13	1.92	1.67
General Purpose Power Relays									
893-703XB12VDC	703XB-12VDC	R	DPDT	10A	12VDC	10.72	8.04	7.24	6.31
893-703XB24VDC	703XB-24VDC	R	DPDT	10A	24VDC	10.72	8.04	7.24	6.31
893-703XB120VAC	703XB-120VAC	R	DPDT	10A	120VAC	10.72	8.04	7.24	6.31
893-703XB240VAC	703XB-240VAC	R	DPDT	10A	240VAC	11.56	8.67	7.80	6.31
893-703XC12VDC	703XC-12VDC	R	3PDT	10A	12VDC	12.40	9.30	8.37	7.45
893-703XC24VDC	703XC-24VDC	R	3PDT	10A	24VDC	12.40	9.30	8.37	7.45
893-703XC120VAC	703XC-120VAC	R	3PDT	10A	120VAC	12.40	9.30	8.37	7.45
893-703XC240VAC	703XC-240VAC	R	3PDT	10A	240VAC	13.20	9.90	8.91	7.45
893-731DPDTC12VDC	731-DPDT-C-12VDC	S	DPDT	10A	12VDC	11.32	8.49	7.64	6.31
893-731DPDTC24VDC	731-DPDT-C-24VDC	S	DPDT	10A	24VDC	11.32	8.49	7.64	6.31
893-731DPDTC120VAC	731-DPDT-C-120VAC	S	DPDT	10A	120VAC	11.32	8.49	7.64	6.31
893-731DPDTC240VAC	731-DPDT-C-240VAC	S	DPDT	10A	240VAC	12.12	9.09	8.18	6.31
893-731TPDTC12VDC	731-TPDT-C-12VDC	S	3PDT	10A	12VDC	12.76	9.57	8.61	7.55
893-731TPDTC24VDC	731-TPDT-C-24VDC	S	3PDT	10A	24VDC	12.76	9.57	8.61	7.55
893-731TPDTC120VAC	731-TPDT-C-120VAC	S	3PDT	10A	120VAC	12.76	9.57	8.61	7.55
893-731TPDTC240VAC	731-TPDT-C-240VAC	S	3PDT	10A	240VAC	13.56	10.17	9.15	7.55
893-SCLDPDT12VDC	SCL-DPDT-12VDC	T	DPDT	12A	12VDC	6.32	4.74	4.27	3.55
893-SCLDPDT24VDC	SCL-DPDT-24VDC	T	DPDT	12A	24VDC	6.32	4.74	4.27	3.55
893-SCLDPDT24VAC	SCL-DPDT-24VAC	T	DPDT	12A	24VAC	6.32	4.74	4.27	3.55
893-SCLDPDT120VAC	SCL-DPDT-120VAC	T	DPDT	12A	120VAC	6.60	4.95	4.46	3.55
893-SCLBWDPDTC12VDC	SCLB-W-DPDT-C-12VDC	T	DPDT	5A	12VDC	5.16	3.87	3.48	3.01
893-SCLBWDPDTC24VDC	SCLB-W-DPDT-C-24VDC	T	DPDT	5A	24VDC	5.16	3.87	3.48	3.01
893-SCLBWDPDTC120VAC	SCLB-W-DPDT-C120VAC	T	DPDT	5A	120VAC	5.20	3.90	3.51	3.01
893-SCLDWB4PDTC	SCLD-W-B-4PDT-C	T	4PDT	5A	12VDC	6.64	4.98	4.48	3.72
893-SCLDWB4PDTC	SCLD-W-B-4PDT-C	T	4PDT	5A	24VDC	6.64	4.98	4.48	3.72
893-SCLDWB4PDTC	SCLD-W-B-4PDT-C	T	4PDT	5A	120VAC	6.88	5.16	4.64	3.72

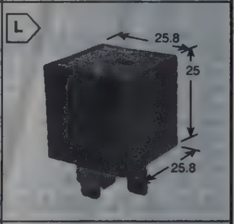
G


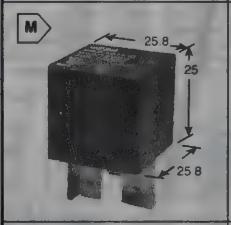
H


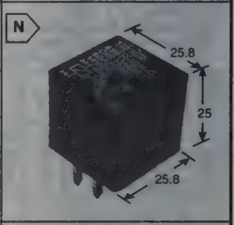
I


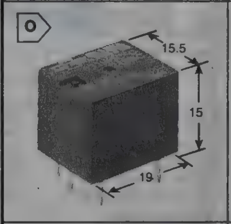
J


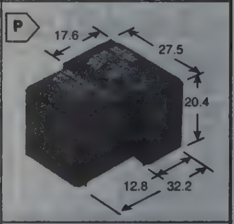
K


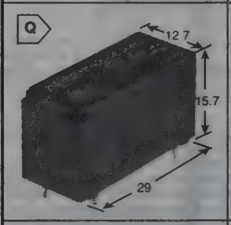
L


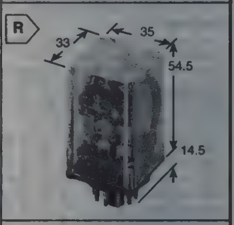
M


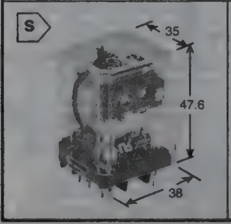
N


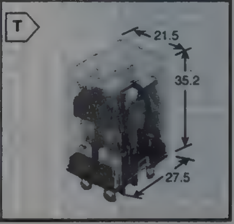
O


P


Q


R


S


T


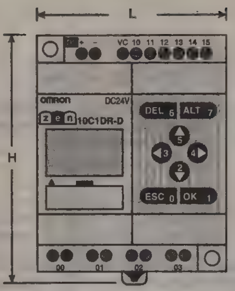
OMRON ZEN PROGRAMMABLE NANO CONTROLLER

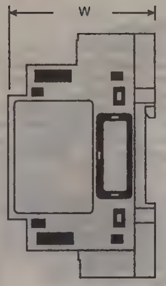
Nano sized controller has the features and functions of both a programmable controller and smart relay to allow simple yet powerful control. Apply the ZEN to small-scale control applications where simple functionality and low cost are critical. Provides an economical alternative to discrete timers, counters and general-purpose relays. Control programs can be created using the 32-bit, Windows-based ZEN support software or using the operation buttons on the front panel (LCD models only). The ZEN is also flexible, with five CPU types, multiple expansion options, and a wide selection of accessories.

Specifications:
- CPUs have relay outputs
- ZEN support software runs on Windows 95, 98, 2000, ME, XP, or NT 4.0

DIMENSIONS: mm			
	L	W	H
ZEN-10	70	56	90
ZEN-20	122.5	56	90

Features:
- Accurate analog inputs ±1.5% FS.
- Wide supply voltage range of 10.8 to 28.8 VDC.
- Flexible mounting - either horizontal or vertical.
- New CPUs with built-in RS-485 communications for data sharing.
- Advanced high-value counting with 8-digit counter and 8-digit comparators,in addition to 16 standard counters.
- One 150-Hz high-speed counter available on models with DC power supply.
- Twin-timer operation allows you to set ON and OFF times separately, greatly simplifying intermittent operation.
- Password function ensures security.
- Display user-set messages or analog-converted values.





CPU

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	No. of I/O Points	Input Voltage	No. of Inputs	No. of Outputs	LCD and Buttons	Calendar and Clock	Analog Input	Price Each 1	2	5	10
653-ZEN-10C1AR-A	ZEN-10C1AR-A-V2	LCD	10	100-240 VAC	6	4	Yes	Yes	No	161.05	147.48	140.24	133.91
653-ZEN-20C1AR-A	ZEN-20C1AR-A-V2	LCD	20	100-240VAC	12	8	Yes	Yes	No	277.67	254.27	241.79	230.87
653-ZEN-20C2AR-A-V2	ZEN-20C2AR-A-V2	LED	20	100-240VAC	12	8	No	No	No	140.00	132.05	123.85	115.16
653-ZEN-20C1DR-D2	ZEN-20C1DR-D-V2	LCD	20	12-24VDC	12	8	Yes	Yes	Yes	277.67	254.27	241.79	230.87
653-ZEN-20C2DR-D-V2	ZEN-20C2DR-D-V2	LED	20	12-24VDC	12	8	No	No	Yes	240.73	220.44	209.62	200.15

Expansion I/O

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Input Voltage	Number of Inputs	Number of Outputs	Price Each 1	2	5	10
653-ZEN-8E1AR	ZEN-8E1AR	100-240VAC	4	4	69.52	65.32	62.15	59.50
653-ZEN-8E1DR	ZEN-8E1DR	12-24VDC	4	4	69.69	63.81	60.68	57.94

Supporting Materials

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each 1	2	5	10
653-ZEN-ME01	ZEN-ME01	Memory cassette, copy program to multiple units	31.25	30.19	29.25	27.75
653-ZEN-CIF01	ZEN-CIF01	2m RS-323C Connecting cable	80.08	77.36	74.95	71.11
653-ZEN-BAT01	ZEN-BAT01	Battery unit, memory back-up	37.33	36.06	34.94	33.15
653-ZEN-SOFT01-V4	ZEN-SOFT01-V4	ZEN support software	59.87	54.83	52.14	49.78
653-W385-E1-3	W385-E1-3	ZEN programmable relays operation manual	20.12	18.43	17.52	16.73

OMRON ZEN STARTER KIT

ZEN Starter Kit includes CPU (ZEN-10C1AR-A), programming cable (ZEN-CIF01), support software (ZEN-SOFT01-V.X) manuals (W385 AND W386) simulator switches (ZEN-ETL01)

BEST BUY

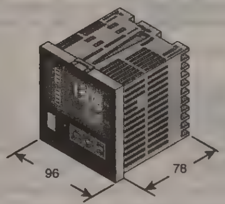
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Version	Price Each
653-ZEN-STARTER0-V2	ZEN-STARTER-01-V2	AC	292.01
653-ZENSTARTER2-V2	ZEN-STARTER-02-V2	DC	296.00

OMRON E5AN SERIES 1/4 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:
- Thermocouple input: K, J, T, E, L, U, N, R, S, B RTD input available upon request
- Relay output: SPST-NO, 250 VAC, 5 A (resistive load), electrical life: 100,000 operations
- Voltage output: 12 VDC +15%/20% (PNP), max. load current: 40 mA, with short-circuit protection circuit
- Current output: 4 to 20 mA DC, load: 600 & max., resolution: approximately 2,600
- Voltage output is for driving SSR

Features:
- Water-resistant construction (NEMA 4X)
- Reduced panel depth of only 78mm
- 3 Alarm points
- 3-year warranty



DIMENSIONS: mm

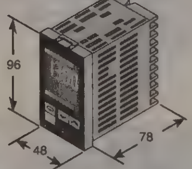
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each 1	2	5	10
653-E5ANQ3MT-5AC1	E5AN-Q3MT-500 AC100-240	100-240 VAC	No	Voltage	339.64	311.02	295.75	282.40
653-E5ANR3MT-5AC1	E5AN-R3MT-500 AC100-240	100-240 VAC	No	Relay	293.55	286.21	284.53	282.40
653-E5ANC3MT-5AC1	E5AN-C3MT-500 AC100-240	100-240 VAC	No	Current	337.84	329.39	327.45	325.00

OMRON E5EN SERIES 1/8 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:
- Thermocouple input: K, J, T, E, L, U, N, R, S, B RTD input available upon request
- Relay output: SPST-NO, 250 VAC, 5 A (resistive load), electrical life: 100,000 operations
- Voltage output: 12 VDC +15%/20% (PNP), max. load current: 40 mA, with short-circuit protection circuit
- Current output: 4 to 20 mA DC, load: 600 & max., resolution: approximately 2,600
- Voltage output is for driving SSR

Features:
- Water-resistant construction (NEMA 4X)
- Reduced panel depth of only 78mm
- 3 Alarm points
- 3-year warranty



DIMENSIONS: mm

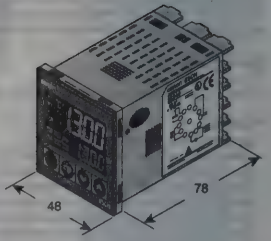
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each 1	2	5	10
653-E5ENQ3HMT-5AC1	E5EN-Q3HMT-500 AC100-240	100-240 VAC	Yes	Voltage	276.48	253.18	240.75	229.88
653-E5ENR3HMT-5AC1	E5EN-R3HMT-500 AC100-240	100-240 VAC	Yes	Relay	276.48	253.18	240.75	229.88
653-E5ENC3MT-5AC1	E5EN-C3MT-500 AC100-240	100-240 VAC	No	Current	302.69	277.19	263.58	251.68

OMRON E5CN SERIES 1/16 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:
- Thermocouple input: K, J, T, E, L, U, N, R, S, B
- Platinum resistance thermometer input: Pt100 or JPt100
- Infrared temperature sensor input: 10-70°C, 60-120°C, 115-165°C, or 160-260°C
- Voltage input: 0-50mV
- Relay output: SPST-NO, 250 VAC, 3 A (resistive load), electrical life: 100,000 operations
- Voltage output: 12 VDC ±15% (PNP), max. load current: 21 mA, with short-circuit protection circuit
- Current output: 4 to 20 mA DC, load: 600 W max., resolution: approx. 2,600
- Voltage output is for driving SSR

Features:
- Connect to either thermocouple or platinum resistance thermometer with the same model
- Water-resistant construction (NEMA 4X)
- Reduced panel depth of only 78mm
- 2 alarms
- 3-year warranty



DIMENSIONS: mm

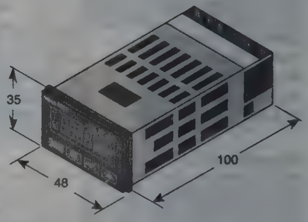
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each			
					1	2	5	10
653-E5CN-Q2MT-5AC1	E5CN-Q2MT-500-AC100-240	100-240 VAC	No	Voltage	204.79	187.53	178.33	170.27
653-E5CN-R2MT-5AC1	E5CN-R2MT-500-AC100-240	100-240 VAC	No	Relay	204.79	187.53	178.33	170.27
653-E5CN-C2MT-5AC1	E5CN-C2MT-500-AC100-240	100-240 VAC	No	Current	271.90	248.98	236.76	226.07

OMRON E5GN SERIES 1/32 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:
- Thermocouple input: K, J, T, E, L, U, N, R, S, B RTD input available upon request
- Voltage output: 12 VDC +15%/20% (PNP), max. load current: 21 mA, with short-circuit protection circuit
- Relay output: SPST-NO, 250 VAC, 2 A (resistive load), electrical life: 100,000 operations
- Voltage output is for driving SSR

Features:
- Water-resistant construction (NEMA 4X)
- 1 alarm
- 3-year warranty



DIMENSIONS: mm

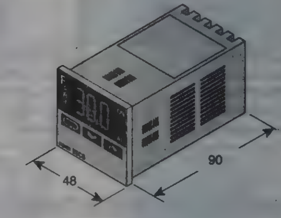
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Heater Burnout Alarm	Output Type	Price Each			
					1	2	5	10
653-E5GN-Q1TC-AC1	E5GN-Q1TC-AC100-240	100-240 VAC	No	Voltage	241.81	221.44	210.57	201.06
653-E5GN-R1TC-AC1	E5GN-R1TC-AC100-240	100-240 VAC	No	Relay	241.81	221.44	210.57	201.06

OMRON E5CSV SERIES 1/16 DIN SIZE DIGITAL TEMPERATURE CONTROLLERS

Specifications:
- Thermocouple input: Type K and J
- V thermocouple input models are factory-set to switch position 2 for a temperature range of 0°C to 400°C, using a type K thermocouple
- Relay output: SPDT, 250 VAC, 3 A (resistive load)
- Voltage output: 12 VDC, 20 mA, with short-circuit protection circuit

Features:
- Accurate to ±0.5% of full scale
- 8-Function alarm
- Field selectable temperature range
- 3-year warranty
- 3 1/2 digit display for high temperature work



DIMENSIONS: mm

For quantities of 25 and up, call for quote.

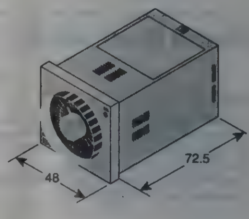
MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Connection	Output Type	Price Each			
					1	2	5	10
653-E5CSVQ1KJWAC1002	E5CSV-Q1KJW-AC100-240	100-240 VAC	Screw terminals	Voltage	219.83	201.31	191.43	182.78
653-E5CSVR1KJWAC1002	E5CSV-R1KJW-AC100-240	100-240 VAC	Screw terminals	Relay	219.83	201.31	191.43	182.78

OMRON E5C2 SERIES 1/16 DIN SIZE ANALOG TEMPERATURE CONTROLLERS

Specifications:
- Temperature range: 32-392° F/0-200°C. Other temperature ranges available upon request
- Thermocouple type J input. Type K, platinum RTD, and thermistor input available upon request
- Relay (contact) output: SPDT, 3A, 250 VAC (resistive load) Voltage output available upon request

*PD - Proportional-derivative

Features:
- Fits standard 8-pin round sockets
- Front panel offset adjustment on PD controllers
- Dual scale dial



DIMENSIONS: mm

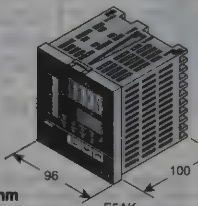
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	Control Type	Output Type	Price Each			
					1	2	5	10
653-E5C2R20J	E5C2-R20J-0-200C-32-392F-AC120	110/120 VAC	ON/OFF	Relay	115.70	105.95	100.75	96.20
653-E5C2R40J	E5C2-R40J-0-200C-32-392F-AC120	110/120 VAC	PD*	Relay	115.70	105.95	100.75	96.20

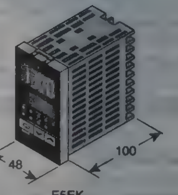
OMRON E5AK/E5CK/E5EK DIGITAL PROCESS CONTROLLERS

Specifications:
- Inputs: Thermocouple - K, J, T, E, L, U, N, R, S, B, W, PLII
  Platinum resistance thermometer (RTD) - JPt100, Pt100
  Current input - 4-20mA, 0-20mA
  Voltage input - 1-5 V, 0-5 V, 0-10 V
- Control method: ON/OFF, Advanced PID Control (with auto-tuning) or Self-tuning

Features:
- Water-resistant construction (NEMA 4X)
- Advanced PID, or fuzzy self-tuning
- Field configurable outputs, options
- Field-selectable input - RTD, thermocouple, current/voltage
- 3-year warranty

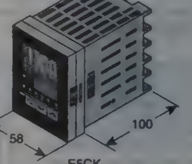


E5AK



E5EK

DIMENSIONS: mm



E5CK

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Supply Voltage	DIN Size	Number/Type of Auxiliary outputs	Price Each			
					1	2	5	10
653-E5AK-AA2-500	E5AK-AA2-500	100-240 VAC	1/4	2/SPST-NO 3A	547.26	501.14	476.55	455.03
653-E5EK-AA2-500	E5EK-AA2-500	100-240 VAC	1/8	2/SPST-NO 3A	532.69	487.80	463.86	442.91
653-E5CK-AA1-500	E5CK-AA1-500	100-240 VAC	1/16	1/SPST-NO 1A	316.99	290.28	276.03	263.57

OMRON Counters

OMRON
INDUSTRIAL AUTOMATION

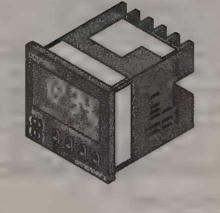
OMRON H7CX SERIES 1/16 DIN MULTIFUNCTION DIGITAL COUNTER

Specifications:
- Sensor Power Supply: 12VDC
- PNP/NPN selectable input
- NEMA4/IP66 front
- SPDT contact output rating: 5A @ 250VAC
- Adapter and waterproof packing provided with screw terminal connection types

Features:
- High speed response up to 5KHz can be scaled to 10KHz
- Programmable display color
- Key protect function

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Connection	No. of Digits	Price Each		
					1	5	10
Standard Counters (1 Stage)							
653-H7CX-A11-AC100	H7CX-A11-AC100-240	100-240 VAC	11-pin socket	6	209.74	192.07	182.64
653-H7CX-A11D-DC12	H7CX-A11D1-DC12-24/AC24	12-24 VDC/24VAC	11-pin socket	6	209.74	192.07	182.64
653-H7CX-A-AC100	H7CX-A-AC100-240	100-240 VAC	Screw terminal	6	199.02	182.24	173.30
653-H7CX-A114-AC100	H7CX-A114-AC100-240	100-240 VAC	11-pin socket	4	203.78	186.61	177.45
653-H7CX-A114D1-DC12	H7CX-A114D1-DC12-24/AC24	12-24 VDC/24VAC	11-pin socket	4	203.78	186.61	177.45
653-H7CX-A4-AC100	H7CX-A4-AC100-240	100-240 VAC	Screw terminal	4	199.02	182.24	173.30
Advance Counters (2 Stage)							
653-H7CX-AW-AC100	H7CX-AW-AC100-240	100-240 VAC	Screw terminal	6	245.49	224.80	213.77
653-H7CX-AWD1-DC12	H7CX-AWD1-DC12-24/AC24	12-24 VDC/24VAC	Screw terminal	6	245.49	224.80	213.77
653-H7CX-A4W-AC100	H7CX-A4W-AC100-240	100-240 VAC	Screw terminal	4	245.49	224.80	213.77
Accessories					1	25	50
653-Y92F-30	Y92F-30	Flush mounting adapter			7.33	6.71	6.38
653-P2CF-11	P2CF-11	11-pin socket, track mounting/front connecting			8.78	8.04	7.64
653-P3GA-11	P3GA-11	11-Pin Track Mounting Back Connecting Socket			8.78	8.04	7.64
653-PFP-100N	PFP-100N	DIN rail 1m x 7.3mm			7.25	6.82	6.39
653-PFP-M	PFP-M	DIN rail end plate			.52	.49	.46


H7CX-A Shown

OMRON H7EC SERIES: SUBMINIATURE, SELF-POWERED TOTAL COUNTER

Specifications:
- Max. counting speed: H7EC-NFV-B - 20 Hz; H7EC-NV-BH, H7EC-NV-B, and H7EC-N-B - 30 Hz or 1 kHz (Selectable)
- Operating mode: Up type
- External connections: Screw terminals
- H7EC-NV-BH (backlight model) requires 24 VDC supply voltage for backlight

Features:
- 8-digit counting range 0 to 99999999
- Key-protect switch to prevent front resetting
- NEMA 4/IP66 front
- Replaceable battery

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Count Input	Display	Price Each		
				1	5	10
653-H7EC-N-B	H7EC-N-B	No-voltage	7-segment LCD	52.65	48.22	45.85
653-H7EC-NFV-B	H7EC-NFV-B	AC/DC multi-voltage	7-segment LCD	54.72	50.11	47.65
653-H7EC-NV-B	H7EC-NV-B	PNP/NPN universal DC voltage	7-segment LCD	54.72	50.11	47.65
653-H7EC-NVBH	H7EC-NV-BH	PNP/NPN universal DC voltage	7-segment LCD with backlight	64.27	58.85	55.96
Accessories		Description		1	25	50
653-Y92F-75	Y92F-75	Panel adapter (26x45mm) used with mounting bracket provided w/ counter		3.61	3.31	3.15
614-CR2477N	CR2477NTS	Replacement battery, 3V lithium button cell		2.90	2.77	2.64

OMRON H7ER SERIES: SUBMINIATURE, SELF-POWERED TACHOMETER

Specifications:
- Max. counting speed: 1 kHz
- Number of digits: 4
- Operating mode: Up type
- External connections: Screw terminals
- H7EC-NV-BH (backlight model) requires 24 VDC supply voltage for backlight

Features:
- Dual revolution display according to encoder resolution used
- Black case
- NEMA 4/IP66 front
- Replaceable battery

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Count Input	Display	Price Each		
				1	5	10
653-H7ER-N-B	H7ER-N-B	No-voltage	7-segment LCD	70.20	64.29	61.13
653-H7ER-NV-B	H7ER-NV-B	PNP/NPN universal DC voltage	7-segment LCD	70.20	64.29	61.13
653-H7ER-NV-BH	H7ER-NV-BH	PNP/NPN universal DC voltage	7-segment LCD with backlight	76.40	69.96	66.53
Accessories		Description		1	25	50
653-Y92F-75	Y92F-75	Panel adapter (26x45mm) used with mounting bracket provided with counter		3.61	3.31	3.15
653-Y92F-75	Y92F-76	Panel adapter (27.5x52.5mm) used with mounting bracket provided with counter		3.61	3.31	3.15
653-Y92F-77	Y92F-77	Panel adapter (24.8x48.8mm) used with mounting bracket provided with counter		4.05	3.71	3.53
614-CR2477N	CR2477NTS	Replacement battery, 3V lithium button cell		2.90	2.77	2.64

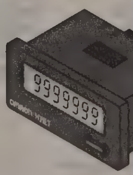
OMRON H7ET SERIES: SUBMINIATURE, SELF-POWERED TIME COUNTER

Specifications:
- Minimum pulse width: 1 second
- External/Manual reset
- Operating mode: Up type
- External connections: Screw terminals
- Backlight models requires 24 VDC supply voltage for backlight

Features:
- 7 digits, time range 0 to 3999d23.9h
- Key-protect switch to prevent front resetting
- Black case
- NEMA 4/IP66 front
- Replaceable battery

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Count Input	Display	Selectable Time Range	Price Each		
					1	5	10
653-H7ET-N-B	H7ET-N-B	No-voltage	7-segment LCD	999999.9h or 3999d23.9h	64.27	58.85	55.96
653-H7ET-N1-B	H7ET-N1-B	No-voltage	7-segment LCD	999h59m59s or 9999h59.9m	64.27	58.85	55.96
653-H7ET-NFV-B	H7ET-NFV-B	AC/DC multi-voltage	7-segment LCD	999999.9h or 3999d23.9h	82.85	75.87	72.14
653-H7ET-NFV1-B	H7ET-NFV1-B	AC/DC multi-voltage	7-segment LCD	999h59m59s or 9999h59.9m	82.85	75.87	72.14
653-H7ET-NV-B	H7ET-NV-B	PNP/NPN universal DC voltage	7-segment LCD	999999.9h or 3999d23.9h	64.27	58.85	55.96
653-H7ET-NV1-B	H7ET-NV1-B	PNP/NPN universal DC voltage	7-segment LCD	999h59m59s or 9999h59.9m	70.20	64.29	61.13
653-H7ET-NV-BH	H7ET-NV-BH	PNP/NPN universal DC voltage	7-segment LCD w/ backlight	999999.9h or 3999d23.9h	70.20	64.29	61.13
653-H7ET-NV1-BH	H7ET-NV1-BH	PNP/NPN universal DC voltage	7-segment LCD w/ backlight	999h59m59s or 9999h59.9m	70.20	64.29	61.13
Accessories			Description		1	25	50
653-Y92F-75	Y92F-75	Panel adapter (26x45mm) used with mounting bracket provided with counter			3.61	3.31	3.15
653-Y92F-76	Y92F-76	Panel adapter (27.5x52.5mm) used with mounting bracket provided with counter			3.61	3.31	3.15
653-Y92F-77	Y92F-77	Panel adapter (24.8x48.8mm) used with mounting bracket provided with counter			4.05	3.71	3.53
614-CR2477N	CR2477NTS	Replacement battery, 3V lithium button cell			2.90	2.77	2.64

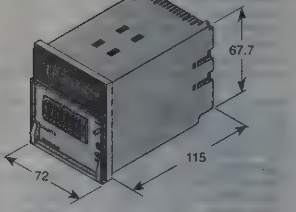


OMRON Counters

OMRON H7AN SERIES SOLID STATE DIGITAL COUNTERS

Specifications:
- Supply voltage: 100-240 VAC
- Mounting: Panel mount, 2 mounting brackets included
- Output modes: 2 sustained, 5 one-shot output modes
  Double preset - 2 SPST-NO contacts and 2 solid-state open collector outputs
- Models with memory backup have 3V lithium battery that provides 10 years of memory retention

Features:
- Draw-out construction allows setting and servicing without disconnecting wiring
- Built-in DC power supply for input devices
- Panel-mounting hardware included



DIMENSIONS: mm

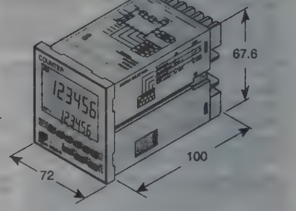
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Counting Method	Preset	Memory Backup	Display Type	Price Each		
						1	2	5
653-H7AN-2D-AC100	H7AN-2D-AC100-240	UP or DOWN (selectable)	Single	Not provided	2-digit LED	485.03	444.15	422.35
653-H7AN-4D-AC100	H7AN-4D-AC100-240	UP or DOWN (selectable)	Single	Not provided	4-digit LED	513.63	470.34	447.26
653-H7AN-4DM-AC1	H7AN-4DM-AC100-240	UP or DOWN (selectable)	Single	Provided	4-digit LED	523.16	479.07	455.56
653-H7AN-WE4DM-AC1	H7AN-WE4DM-AC100-240	Reversible	Double	Provided	4-digit LED	585.13	535.82	509.52
653-H7AN-R6DM-AC1	H7AN-R6DM-AC100-240	UP/DOWN and Reversible	Single	Provided	6-digit LED	750.78	687.51	653.77

OMRON H7BR SERIES DIGITAL COUNTERS

Specifications:
- Supply voltage: 100-240 VAC
- No voltage input via opening and closing of contact
- Voltage input via high and low signal voltage
- Backup time for power interruption: 10 years

Features:
- Backlit LCD display
- H7BR-C provides large/small discrimination mode
- H7BR-B batch counter allows count in dozens, hundreds, or any count preset



DIMENSIONS: mm

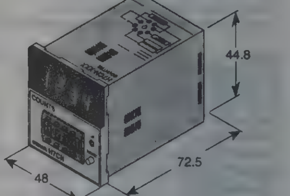
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Teaching Function	Function	Number of Presets	Display Type	Price Each		
						1	2	5
653-H7BR-B-AC100	H7BR-B-AC100-240	No voltage	No	Standard	1	518.39	474.71	451.41
653-H7BR-BV-AC100	H7BR-BV-AC100-240	Voltage	No	Standard	1	518.39	474.71	451.41
653-H7BR-BW-AC100	H7BR-BW-AC100-240	No voltage	No	Standard	2	533.89	488.90	464.90
653-H7BR-BWV-AC100	H7BR-BWV-AC100-240	Voltage	No	Standard	2	533.89	488.90	464.90
653-H7BR-C-AC100	H7BR-C-AC100-240	No voltage	Yes	± range	1	628.03	575.11	546.88

OMRON H7CN SERIES 1/16 DIN DIGITAL COUNTERS

Specifications:
- Supply voltage: 100-240 VAC
- Output mode: Sustained until reset
- Reversible counting type has individual input operating mode
- Only the solid-state input signal is available for the 5 kcps counting speed models

Features:
- Easy to read 8mm high 4-digit LED display
- Contact and solid-state inputs for count and reset



DIMENSIONS: mm

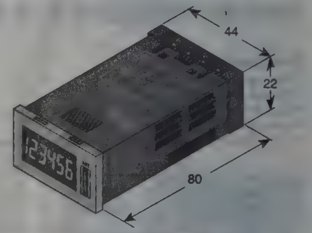
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Operating Mode	Output Type	Max. Counting Speed	Memory Backup	Price Each		
						1	2	5
653-H7CNXLNAC100240	H7CN-XLN-AC100-240	UP counting	SPST-NO	30 cps	Not provided	269.33	246.63	234.53
653-H7CNXHNAC100240	H7CN-XHN-AC100-240	UP counting	SPST-NO	5 kcps	Not provided	269.33	246.63	234.53
653-H7CNYLNMAC100240	H7CN-YLNM-AC100-240	DOWN counting	SPDT	30 cps	Provided	269.33	246.63	234.53
653-H7CNBLNAC100240	H7CN-BLN-AC100-240	Reversible counting	SPST-NO	30 cps	Not provided	269.33	246.63	234.53

OMRON H7GP SERIES COUNT/TIME TOTALIZERS

Specifications:
- Supply voltage: 100-240 VAC
- Panel mount
- Screw terminal connections
- Memory backup: EEPROM 200,000 operations min.

Features:
- High-visibility 8.5mm 6-digit negative transmissive LCD display
- NEMA 4 protection when used with Y92S-32 rubber gasket supplied with each unit
- Switch between NPN and PNP operation



DIMENSIONS: mm

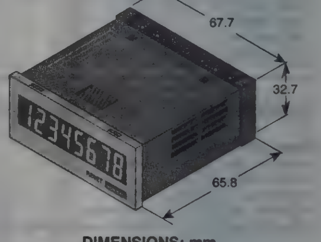
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Classification	Input Mode	Color of Front Section	Price Each		
					1	2	5
653-H7GP-C	H7GP-C	Totalizing counter	Up(incremental)	Light gray	200.21	183.34	174.34
653-H7GP-CB	H7GP-CB	Totalizing counter	Up(incremental)	Black	200.21	183.34	174.34
653-H7GP-T	H7GP-T	Time totalizer	Accumulative	Light gray	200.21	183.34	174.34
653-H7GP-TB	H7GP-TB	Time totalizer	Accumulative	Black	200.21	183.34	174.34

OMRON H7HP SERIES COUNT/TIME TOTALIZERS

Specifications:
- Panel mount
- Screw terminal connections
- Input mode: H7HP-A, H7HP-AB, and H7HP-AD - Up/down (total counter) or accumulative (time counter) H7HP-C8, H7C8B - Up/down

Features:
- Compact and easy to read negative transmissive LCD displays with red LED backlight
- NEMA 4 protection when used with Y92S-33 rubber gasket supplied with each unit



DIMENSIONS: mm

For quantities of 10 and up, call for quote.

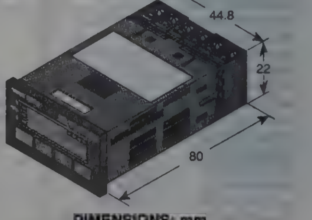
MOUSER STOCK NO.	Omron Part No.	Classification	Number of Digits	Supply Voltage	Color of Front Section	Price Each		
						1	2	5
653-H7HP-A	H7HP-A	Count/time counter	6	100-240 VAC	Light gray	258.60	236.81	225.19
653-H7HP-AB	H7HP-AB	Count/time counter	6	100-240 VAC	Black	258.60	236.81	225.19
653-H7HP-C8	H7HP-C8	Totalizing counter	8	100-240 VAC	Light gray	272.90	249.90	237.64
653-H7HP-C8B	H7HP-C8B	Totalizing counter	8	100-240 VAC	Black	272.90	249.90	237.64
653-H7HP-AD	H7HP-AD	Count/time counter	6	12-24 VDC	Light gray	206.17	188.79	179.53

OMRON H8GN SERIES 1/32 DIN ADVANCED COUNTER/TIMERS

Specifications:
- Supply voltage: 24 VDC
- Flush mounting
- Screw terminal connections

World's smallest combination counter/timer with communications

Features:
- 4-digit preset counter or 4-digit timer operation 8-digit totalizer
- NEMA 4X with IP66 front panel
- Built-in scaling



DIMENSIONS: mm

For quantities of 10 and up, call for quote.

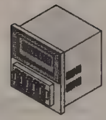
MOUSER STOCK NO.	Omron Part No.	Output	Communications	Price Each		
				1	2	5
653-H8GN-AD-DC24	H8GN-AD-DC24	SPDT contact (3A @ 250 VAC/ 30VDC)	----	265.75	243.36	231.41
653-H8GN-FLK-DC24	H8GN-AD-FLK-DC24	SPDT contact (3A @ 250 VAC/30 VDC)	RS-485 Communications	287.20	263.00	250.09

OMRON Solid-State Timers

OMRON H3CA SERIES: 1/16 DIN, DIGITAL-SET, SOLID-STATE TIMER

Specifications:
- Control Output: Time limit - SPDT; Instantaneous - N/A
- Connection: 11-pin socket (P2CF-11) required for mounting
- Mechanical service life: 10 million operation min.
- Electrical service life: 100,000 operations min.
- Timing functions: ON-delay, Repeat cycle, signal interval/ OFF-delay; signal OFF-delay I; interval; Cycle; signal ON-delay/OFF-delay; signal OFF-delay II

Features:
- 8 field-selectable operation modes
- Selectable no-voltage start, reset, gate and check input
- Time remaining LCD bar graph and LCD output status indicator
- Universal AC/DC supply voltage



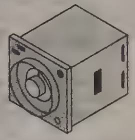
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Maximum Load	Price Each 1	5	10
653-H3CA-A	H3CA-A	24 to 240 VAC; 12 to 240 VDC	3 Amps @ 250 VAC	112.00	108.19	104.83
Accessories		Description		1	25	50
653-P2CF-11	P2CF-11	11-pin round socket, bottom surface or track mounting, top screw terminals		8.50	7.96	7.45
653-P3GA-11	P3GA-11	11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		8.50	7.96	7.45
653-Y92F-30	Y92F-30	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets		7.10	6.65	6.22
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		7.25	6.82	6.39
653-PFP-M	PFP-M	DIN rail spacer		.52	.49	.46

OMRON H3CR-A SERIES: 1/16 DIN, ANALOG-SET, SOLID-STATE TIMER

Specifications:
- Control output type: DPDT relay
- Supply voltage: 100-240 VAC/24 VAC or 12 VDC or 24 VDC
- Maximum load: 5A @ 250 VAC
- Timing functions for 11-pin round: ON-delay, Repeat cycle, signal ON/OFF delay, signal OFF delay, interval
- Timing Functions for 8-pin round: ON-delay, interval

Features:
- Field selectable time ranges from 0.05 seconds to 300 hours.
- Choose 6- or 2-function models to fit most applications
- Wide range AC supply voltage models (100-240 VAC) fit most applications and reduce spare parts inventories
- Short (80 mm) panel mounting depth with socket allows for more space-efficient control panel design



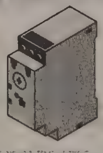
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Output	Terminal Form	Price Each 1	5	10
653-H3CRA-AC1	H3CR-A-AC100-240/DC100-125	100-240 VAC	11-pin round	72.02	65.95	62.72
653-H3CRA8-AC1	H3CR-A8-AC100-240/DC100-125	100-240 VAC	8-pin round	72.02	65.95	62.72
653-H3CRA-24	H3CR-A-AC24-48/DC12-48	24 VAC/VDC	11-pin round	72.02	65.95	62.72
Accessories		Description		1	25	50
653-P2CF-08	P2CF-08	8-pin round socket, bottom surface or track mounting, top screw terminals		7.20	7.02	6.83
653-P3G-08	P3G-08	8-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		7.20	6.74	6.31
653-P2CF-11	P2CF-11	11-pin round socket, bottom surface or track mounting, top screw terminals		8.50	7.96	7.45
653-P3GA-11	P3GA-11	11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		8.50	7.96	7.45
653-Y92F-30	Y92F-30	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets		7.10	6.65	6.22
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		7.25	6.82	6.39
653-PFP-M	PFP-M	DIN rail spacer		.52	.49	.46

OMRON H3DE-M/-S SERIES: MULTIFUNCTION AND STANDARD SOLID-STATE TIMER

Specifications:
- Supply voltage: 24-230 VAC/DC
- Control DPDT relay output: 5A @ 250 VAC/30 VDC
- Mechanical life expectancy: 10 million operations min.
- Electrical life expectancy: 100,000 operations min
- Timing Functions H3DE-M: ON-delay, flicker-OFF start, flicker-ON start, signal ON/OFF-delay, signal OFF-delay, interval, signal ON/OFF-delay, one-shot
- Timing Functions H3DE-S: ON-delay, flicker-ON start, interval, one-shot

Features:
- Programmable contact enables the building of a self-holding relay circuit in H3DE-x2 models
- Wide AC/DC power supply range minimizes inventory
- Wide time setting range of 0.10 seconds to 120 hours
- High immunity to inverter noise
- Finger protection terminal block



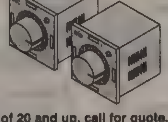
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Outputs	Price Each 1	5	10
Multifunction Timers					
653-H3DE-M1	H3DE-M1 AC/DC24-230	SPDT (time-limit output SPDT)	45.75	44.61	43.72
653-H3DE-M2	H3DE-M2 AC/DC24-230	DPDT (time-limit output SPDT) and switchable SPDT	64.79	59.33	56.42
Standard Timers					
653-H3DE-S1	H3DE-S1 AC/DC 24-230	SPDT (time-limit output SPDT)	40.21	36.82	35.01
653-H3DE-S2	H3DE-S2 AC/DC 24-230	DPDT (time-limit output SPDT) and switchable SPDT	45.75	44.61	43.72
Accessories		Description			
653-PFP-100N	PFP-100N	DIN rail, 1 m in length	7.25	6.82	6.39
653-PFP-M	PFP-M	DIN rail spacer	.52	.49	.46

OMRON H3JA SERIES: ECONOMICAL, COMPACT SOLID-STATE TIMER

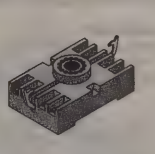
Specifications:
- Time-limit contact: DPDT
- Operation/Resetting system: Time-limit/self-resetting
- Supply voltage: 100-120 VAC
- Power consumption: 3VA (1.3W)

Features:
- Replaces H3G Series
- Dual LED indication for power and output status
- Large transparent knob
- DIN size 36x36mm fits 8-pin sockets

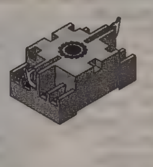


For quantities of 20 and up, call for quote.

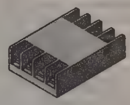
MOUSER STOCK NO.	Omron Part No.	Time Range	Price Each 1	5	10
653-H3JA-8C-10S	H3JA-8C-AC100-120-10S	1 to 10 seconds	50.33	46.09	43.83
653-H3JA-8C-30S	H3JA-8C-AC100-120-30S	3 to 30 seconds	50.33	46.09	43.83
653-H3JA-8C-60S	H3JA-8C-AC100-120-60S	6 to 60 seconds	50.33	46.09	43.83
653-H3JA-8C-5M	H3JA-8C-AC100-120-5M	0.5 to 5 minutes	50.33	46.09	43.83
Accessories		Description	1	25	50
653-PF085A	PF085A	8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals	9.14	8.37	7.96
653-P3G-08	P3G-08	8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals	7.20	6.74	6.31
653-Y92F-31	Y92F-31	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets	4.30	4.02	3.77
653-PFP-100N	PFP-100N	DIN rail, 1 m in length	7.25	6.82	6.39
653-PFP-M	PFP-M	DIN rail spacer	.52	.49	.46
653-Y92H-6	Y92H-6	Timer hold down clips, one pair. Supplied with H3G timer.	1.62	1.48	1.41



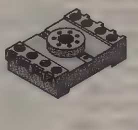
P2CF-08



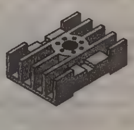
P2CF-11



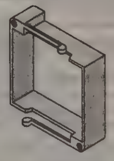
P3G-08, P3FA-11



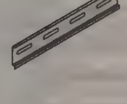
PF083A-E



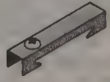
PF085A



Y92F-30, Y92F-31



PFP-100N



PFP-M

OMRON Solid-State Timers

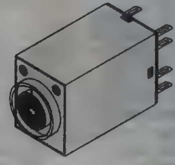
OMRON H3YN SERIES: MINIATURE SOLID-STATE TIMERS

Specifications:
- Supply voltage: 100-120 VAC
- Control outputs: DPDT - 5A @ 250 VAC; 4PDT - 3A @ 250 VAC
- Mechanical service life: 10 million operation min.
- Electrical service life: DPDT - 500,000 operations; 4PDT - 200,000 operations
- Timing functions: ON-delay, interval, repeat cycle, ON-start/OFF start (DIP switch selectable)

Features:
- Ultra-slim package - 21.5mm max.
- Simplifies ordering and inventory by combining multiple functions and time ranges in one unit
- LED power-ON and time-UP indicators

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Time Range	Time-Limit Contact	Price Each 1	5	10
653-H3YN-2-AC1	H3YN-2 AC100-120	0.1 seconds to 10 minutes	DPDT	50.91	46.62	44.33
653-H3YN-4-AC1	H3YN-4 AC100-120	0.1 seconds to 10 minutes	4PDT	45.00	43.47	42.12
653-H3YN-21-AC1	H3YN-21 AC100-120	0.1 minutes to 10 hours	DPDT	50.91	46.62	44.33
Accessories		Description		1	25	50
653-PYF08A-E	PYF08A-E	Track mount/front connect socket for DPDT time (H3YN-2,H3YN-21)		4.46	4.01	3.78
653-PYF14A-E	PYF14A-E	Track mount/front connect socket for 4PDT time (H3YN-4)		6.49	5.83	5.49
653-PY08	PY08	Back connect, solder terminal socket for DPDT (H3YN-2, H3YN-21)		1.11	1.00	.94
653-PY14	PY14	Back connect, solder terminal socket for 4PDT (H3YN-4)		1.82	1.63	1.54
653-PY08-02	PY08-02	Back connect, PC terminal socket for DPDT (H3YN-2, H3YN-21)		1.11	1.00	.94
653-PY14-02	PY14-02	Back connect, PC terminal socket for 4PDT (H3YN-4)		1.55	1.39	1.31
653-Y92H-3	Y92H-3	Hold down clip for sockets PYF08A-E, PYF14A-E		1.39	1.27	1.21
653-Y92H-4	Y92H-4	Hold down clip for sockets PY08, PY08-02, PY14, PY14-02		1.62	1.48	1.41



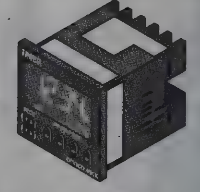
OMRON H5CX SERIES 1/16 DIN MULTIFUNCTION DIGITAL TIMERS

Specifications:
- Supply voltage: 100-240VAC
- Control output: Time limit
- Time ranges: 0.001 seconds to 9999 hours
- NEMA4/IP66 front
- SPDT contact output rating: 5A @ 250VAC
- Adapter and waterproof packing provided with H5CX-A and H5CX-AD

Features:
- 11 field selectable timing modes
- 4 Digit Display
- Twin timer function
- Programmable display color
- Key protect function

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Connection	Signal Input	Socket Mountable	Price Each 1	5	10
653-H5CX-L8-AC100	H5CX-L8-AC100-240	8-pin socket	No	Yes	142.31	130.32	123.92
653-H5CX-L8D-AC24	H5CX-L8D-AC24/DC12-24	8-pin socket	No	Yes	142.31	130.32	123.92
653-H5CX-A11-AC100	H5CX-A11-AC100-240	11-pin socket	PNP/NPN	Yes	164.29	150.45	143.07
653-H5CX-A11D-AC24	H5CX-A11D-AC24/DC12-24	11-pin socket	PNP/NPN	Yes	164.29	150.45	143.07
653-H5CX-A-AC100	H5CX-A-AC100-240	Screw terminals	PNP/NPN	No	166.61	152.57	145.08
653-H5CX-AD-AC24	H5CX-AD-AC24/DC12-24	Screw terminals	PNP/NPN	No	166.61	152.57	145.08
Accessories		Description			1	25	50
653-P2CF-08	P2CF-08	8-pin socket, track mounting/front connecting			7.20	7.02	6.83
653-P2CF-11	P2CF-11	11-pin socket, track mounting/front connecting			8.50	7.96	7.45
653-P3G-08	P3G-08	8-pin socket, back connecting for panel mount			7.20	6.74	6.31
653-Y92F-30	Y92F-30	Flush mounting adapter			7.10	6.65	6.22
653-PFP-100N	PFP-100N	DIN rail 1m x 7.3mm			7.25	6.82	6.39
653-PFP-M	PFP-M	DIN rail end plate			.52	.49	.46



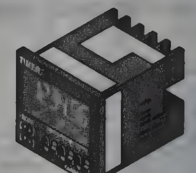
OMRON H5CX-B 1/16 DIN 2-STAGE DIGITAL TIMERS

Specifications:
- Supply voltage: 12-24VDC
- Control output: Time limit
- Time ranges: 0.01 seconds to 99,999.9 hours
- NEMA4/IP66 front
- NPN open collector transistor output rating: 100mA @ 30VDC
- Adapter, waterproof packing, and unit label provided

Features:
- Cumulative or on-delay timing functions
- 6 Digit Display
- Programmable display color
- Key protect function

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Connection	Signal Input	Socket Mountable	Price Each 1	5	10
653-H5CX-BWSD	H5CX-BWSD	Screw terminals	PNP/NPN	No	197.85	181.17	172.28



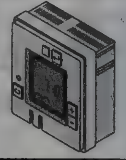
OMRON H5L SERIES: 1/4 DIN SIZE WEEKLY TIMERS

Specifications:
- Control output: 2 independent SPST relays with manual override switches
- Terminal form: Screw terminals accessible from front and back
- Service life: 100,00 operations min.

Features:
- 24 hours x 7 days programming using just 5 switches
- 16 program steps and cycle operation
- Easy-to-read, large, 0.5 inch high LCD display
- 10-year battery backup
- Hardware for panel and surface mounting included: designed for track mounting

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Maximum Load	Price Each 1	5	10
653-H5L-A	H5L-A	100 to 240 VAC	10 A@ 250 VAC	231.40	211.90	201.50
Accessories		Description		1	25	50
653-Y92A-96A	Y92A-96A	Clear, hard plastic cover for H5L		10.76	9.85	9.37
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		7.25	6.82	6.39
653-PFP-M	PFP-M	DIN rail spacer		.52	.49	.46



OMRON H5S SERIES: WEEKLY TIMERS

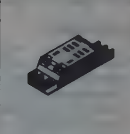
Specifications:
- Control output: 2 SPST - NO time limit contacts with manual override switches
- Terminal form: Screw terminals
- Electrical service life: 50,000 operations min
- Cycle length: 1 minute to a full week
- Maximum load: 15A @ 250 VAC

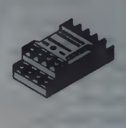
Features:
- ON/OFF and cycle operations up to one week
- AM/PM display
- Over midnight settings possible
- Battery backup for memory protection
- Wide supply voltage range
- Field-adjustable ON/OFF, cycle and pulse output

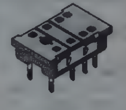
RoHS Compliant

For quantities of 20 and up, call for quote.

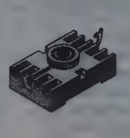
MOUSER STOCK NO.	Omron Part No.	Connection	Supply Voltage	Price Each 1	5	10
653-H5S-WB2	H5S-BW2	Panel mounting	100-240 VAC	247.60	206.72	200.30
653-H5S-WFB2	H5S-WFB2	Surface or track mounting	100-240 VAC	247.60	226.73	215.61
Accessories		Description		1	25	50
653-Y92A-72C	Y92A-72C	Clear, hard plastic cover for H5S-B		4.98	4.56	4.33
653-Y92F-90	Y92F-90	Track mounting adapter for H5S-FB		4.98	4.56	4.33
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		7.25	6.82	6.39
653-PFP-M	PFP-M	DIN rail spacer		.52	.49	.46


PYF08A-E

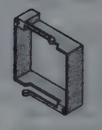

PYF14A-E

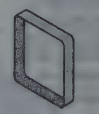

PY08
PY08-02

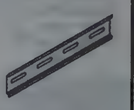
PY14
PY14-02


P2CF-08

P3G-08


Y92F-30


Y92A-96A
Y92A-72C


PFP-100N

PFP-M

APPLIED MOTION Stepper Motors

Applied Motion Products

HIGH-TORQUE STEP MOTORS

Size HT08

Specifications:
- Operating Temp: -20°C to 50°C
- Lead Wire gauge: 26 AWG
- Insulation Class: 130°C Class B (HT08-020)
- Insulation Class: 130°C Class E (HT08-021)
- Radial Play: .001 max @ 1.1 Lb.
- No. of Leads: 4
- Step Angle: 1.8

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in²/G-CM²)	Price Each	
											1	5
834-HT08-020	HT08-020	A	Bi-polar	1.18	2.4	2.8	0.35	8.5	3.4	0.01/1.9	**70.72**	**66.56**
834-HT08-021	HT08-021	A	Bi-polar	1.83	4.44	5.6	0.35	16	7.2	0.022/4	**81.12**	**78.58**

Size HT11

Specifications:
- Operating Temp: -20°C to 50°C
- Lead Wire gauge: 26 AWG
- Insulation Class: 130°C Class B
- Step Angle: 1.8
- No. of Leads: 4
- Radial Play: .001 max @ 1.1 Lb.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in²/G-CM²)	Price Each	
											1	5
834-HT11-012	HT11-012	A	Parallel	1.32	7.0	1.4	1.0	1.4	1.4	.044/8	**79.45**	**75.88**
834-HT11-013	HT11-013	A	Parallel	1.87	15.0	2.0	1.0	2.0	2.6	.098/18	**95.16**	**92.18**

Size HT17

Specifications:
- Operating Temp: -20°C to 50°C
- Lead Wire gauge: 22 AWG
- Insulation Class: 130°C Class B
- Step Angle: 1.8
- No. of Leads: 8
- Radial Play: .001 max @ 1.1 Lb.
- Motor Connections: series, parallel, and unipolar (Series specifications listed below)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in²/G-CM²)	Price Each	
											1	5
834-HT17-068	HT17-068	B	Series	1.30	31.4	5.7	0.7	8.4	11.2	.190/35.0	**56.16**	**54.40**
834-HT17-071	HT17-071	B	Series	1.54	51.0	5.7	0.85	6.6	14.4	.29/54.0	**59.28**	**57.42**
834-HT17-075	HT17-075	B	Series	1.85	62.8	5.7	0.85	6.6	12.0	.37/68.0	**69.68**	**67.50**

Size HT23

Specifications:
- Operating Temp: -20°C to 50°C
- Lead Wire gauge: 22 AWG
- Insulation Class: 130°C Class B
- Step Angle: 1.8
- No. of Leads: 8
- Radial Play: .001 max @ 1.1 Lb.
- Motor Connections: series, parallel, and unipolar (Series specifications listed below)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in²/G-CM²)	Price Each	
											1	5
834-HT23-393	HT23-393	C	Series	1.54	76.6	7.4	0.71	10.4	21.6	0.66/120	**84.24**	**81.60**
834-HT23-396	HT23-396	C	Series	2.13	177.0	10.2	0.7	14.4	44.0	1.64/300	**97.59**	**94.64**
834-HT23-397	HT23-397	C	Series	2.13	177.0	5.1	1.4	3.6	10.0	1.64/300	**94.00**	**89.30**
834-HT23-398	HT23-398	C	Series	2.13	177.0	3.3	2.12	1.5	4.8	1.64/300	**94.00**	**89.30**
834-HT23-399	HT23-399	D	Series	2.99	264.0	11.6	0.71	16.4	56.0	2.62/480	**113.84**	**110.17**
834-HT23-400	HT23-400	D	Series	2.99	264.0	4.2	2.12	2.0	6.4	2.62/480	**113.50**	**108.00**
834-HT23-401	HT23-401	D	Series	2.99	264.0	4.2	2.12	2.0	6.4	2.62/480	**116.00**	**109.45**

SIZE HT34

Specifications:
- Operating Temp: -20°C to 50°C
- Lead Wire gauge: 18 AWG
- Insulation Class: 130°C Class B
- Step Angle: 1.8
- No. of Leads: 8
- Radial Play: .001 max @ 1Lb.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Connection	Motor Length (In.)	Min. Holding Torque (oz.-In.)	Volts (DC)	Amps	Ohms	mH	Rotor Inertia (oz-in²/G-CM²)	Price Each	
											1	5
834-HT34-474	HT34-474	E	Series	2.60	389	2.8	3.15	0.96	7.6	7.65/1400	**235.36**	**221.52**
834-HT34-476	HT34-476	E	Series	3.78	855	3.92	3.15	1.32	12.0	14.8/2700	**301.66**	**283.92**
834-HT34-478	HT34-478	E	Series	4.96	1284	5.3	2.8	1.94	22.0	27.9/4000	**367.96**	**346.32**

STEP MOTORS - STAC6

Size HT23

Specifications:
- Rated Current: 1.4A
- Dual Shaft
- 10' Cable and connector
- Recommended motors for use with STAC6 stepper drives

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Resistance (Ω)	Inductance (Mh)	Min. Holding Torque (oz.-In.)	Rotor Inertia (oz-in²/G-CM²)	Diameter	Length	Price Each	
									1	5
834-HT23-548D	HT23-548D	F	3.4	5.60	52	0.66	.25" (6.35mm)	1.7" (43.8mm)	**167.31**	**162.24**
834-HT23-549D	HT23-549D	F	4.2	12.8	118	1.64	.25" (6.35mm)	2.16" (54.8mm)	**173.68**	**168.25**
834-HT23-550D	HT23-550D	F	5.1	15.2	180	2.62	.25" (6.35mm)	3.05" (77.47mm)	**199.48**	**193.05**

Size HT34

Specifications:
- Rated Current: 5.1A
- 10' Cable and connector
- Recommended motors for use with STAC6 stepper drives

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Resistance (Ω)	Inductance (Mh)	Min. Holding Torque (oz.-In.)	Rotor Inertia (oz-in²/G-CM²)	Diameter	Length	Price Each	
									1	5
834-HT34-488	HT34-488	G	0.76	5.20	650	7.8	0.5" (12.7mm)	3.11" (79mm)	**224.67**	**217.42**
834-HT34-489	HT34-489	G	1.08	8.8	1200	14.6	0.5" (12.7mm)	4.63" (117.6mm)	**290.16**	**280.80**
834-HT34-490	HT34-490	G	1.08	9.6	1845	21.9	0.625" (15.875mm)	6.14" (155.9mm)	**365.69**	**353.06**

VALUELINE SERVO BRUSHLESS MOTORS

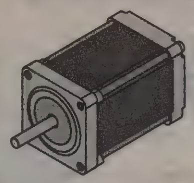
Valueline series are ideal for replacing stepper motors in applications that require more speed and closed loop control.

Specifications:
- Voltage Rating: 24VDC
- Rated /Max Speed: 3000/5000 rpm
- Max Radial Shaft Load: 8.8 lbf
- Max Thrust Shaft Load: 4 lbf

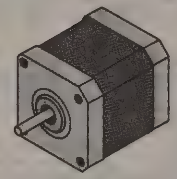
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Power Output (W)	Rated Torque (lb/in)	Peak Torque (lb/in)	Rotor Inertia (oz-insec²)	Torque Constant (lb/A)	Voltage Constant (Vo-pk/rpm)	Price Each	
									1	5
834-VL23-020D	VL23-020D	H	72	2.03	4.05	1.45×10^{-3}	0.32	3.8×10^{-3}	**169.40**	**160.93**
834-VL23-030D	VL23-030D	H	132	3.72	7.43	2.69×10^{-3}	0.48	6.74×10^{-3}	**273.00**	**259.35**

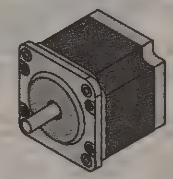
A



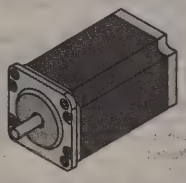
B



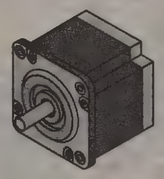
C



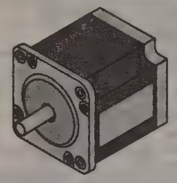
D



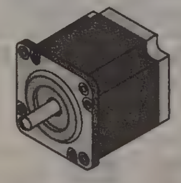
E



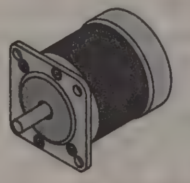
F



G



H



APPLIED MOTION Drives

STEP MOTOR DRIVES

1030

- Quarter Stepping*
- 30W of usable power
- 1.0 Amps
- CE compliant
- Drives 4, 6, or 8 lead size 11,14, 17 & 23 step motors
- MOSFET, dual H-bridge, inaudible PWM amplifier

* Full and Half Stepping also available. Contact a Mouser Service Representative.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each	
							1	5
834-1030	1030	A	0 - 1.0	12-30 VDC	200-800	Open Frame	100.00	95.00

2035

- Full or Half drive
- 70W of usable power
- 2.0 Amps
- Drives 4, 6, or 8 lead size 11, 14, 17 & 23 step motors
- CE compliant
- Screw terminal connectors
- Dual H-bridge, inaudible PWM amplifier

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each 1	Price Each 5
834-2035	2035	B	0.125 - 2.0	12-35 VDC	200/400	Open Frame	140.00	133.00

3535

- Full and Half Stepping
- 122W of usable power
- 3.5 Amps
- CE compliant
- Drives 4, 6, or 8 lead size 11, 14, 17, and 23 step motors
- MOSFET, dual H-bridge, inaudible PWM amplifier

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each 1	Price Each 5
834-3535	3535	C	0.4 - 3.5	12-35 VDC	200/400	Open Frame	173.00	164.35

3540M & 7080

- Microstepping
- CE Compliant
- Drives 4, 6, or 8 lead size 11, 14, 17, 23, and 34 step motors
- MOSFET, dual H-bridge, inaudible PWM amplifier

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Usable Power	Price Each	
							1	5
834-3540M	3540M	D	0.4 - 3.5	12-42 VDC	400 - 12,800	140 watts	240.00	228.00
834-7080	7080	E	0.8 - 7.0	24-80 VDC	200 - 50,800	560 watts	405.00	384.75

PROGRAMMABLE STEP MOTOR DRIVES

1240i

The 1240i is a programmable step motor driver suited for a wide range of motion control applications. It includes a sophisticated controller integrated with a 48 watt microstepping amplifier.

- Software and programming cable included
- Built-in Indexer

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each	
							1	5
834-1240	1240i	F	0.2 - 1.2	12-42 VDC	2,000-50,800	Open Frame	260.00	247.00

3540i

The 3540i is a programmable step motor driver suited for a wide range of motion control applications. It includes a sophisticated controller integrated with a 140 watt microstepping amplifier.

- Software and programming cable included
- Built-in Indexer

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Construction Type	Price Each 1	Price Each 5
834-3540	3540i	G	0.2 - 3.5	12-42 VDC	2,000-50,800	Open Frame	395.00	375.25

7080i Indexer/Drive

The 7080i is a programming step motor driver suitable for a wide range of motion control applications. It includes a sophisticated controller integrated with a 560 watt microstepping amplifier.

Specifications:
- CE Compliant
- Drives 4, 6, or 8 lead size 11, 14, 17, 23, & 34 step motors
- MOSFET, dual H-bridge, inaudible PWM Amplifier

Features:
- Software and programming cable included
- PC Board mounted on an aluminum angle heat transfer chassis.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Programmable Inputs	Price Each
834-7080A	7080i	H	0.8 - 7.0	24-80 VDC	2,000 - 50,800	8	690.00

SI 2035 PROGRAMMABLE STEPPER DRIVE

The Si2035 is a programmable stepper motor driver/indexer packaged in a rugged steel case. Integral heat sink, mounting brackets, switch covers and connectors are included.

Specifications:
- 70 Watts of usable power
- CE Compliant
- Drives 4, 6, or 8 lead size 11, 14, 17, 23, & 34 step motors
- MOSFET, dual H-bridge, inaudible PWM Amplifier

Features:
- Software and programming cable included
- 8 user programmable inputs
- PC Board mounted on an aluminum angle heat transfer chassis.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Size	Price Each
834-SI2035	Si2035	I	0.2 - 2.0	110VAC or 220VAC	2,000 - 50,800	1.75" x 4.0" x 6.80"	500.00

SI 2035 EVALUATION STARTER KIT

A complete motion control solution in one box.

Kit Includes:
- Si2035 step motor driver with integrated Si controller
- NEMA 23 step motor
- Power Cable
- Programming Cable
- Programming Software

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Description	Price Each
834-SI2035KIT	Si2035KIT-1	J	Programmable Stepper Drive Evaluation Kit	575.00

PDO2035 PACKAGED PULSE & DIRECTION STEP MOTOR DRIVE WITH DIGITAL OSCILLATOR

- 70 Watts of usable power
- 2.0 Amps
- Full or half step switch selectable
- Drives 4, 6, or 8 lead motors, NEMA sizes 11-23
- Dual H-bridge, pulse with modulated amplifier switching at 20-30 KHz

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Motor Current (Amps)	Voltage Range	Step Resolution per. Rev.	Size	Price Each	
							1	5
834-PD02035	PDO2035	K	0.125 -2.0	110VAC or 220VAC	10 - 12,000	1.75" x 4.0" x 6.80"	395.00	375.25

STAC6-S DRIVE & STAC6-SI PROGRAMMABLE DRIVE

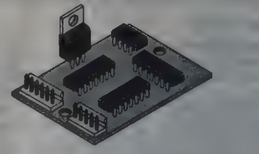
- STAC6-S is a basic drive; analog, digital and host command input.
- STAC6-Si can be programmed for stand-alone operation with the easy to use Si Programmer™ Windows software with integrated tuning.

Specifications:
- Power Supply: Line operated nominal 120VAC, 50/60Hz
- MOSFET, Dual H-Bridge, 4 Quadrant

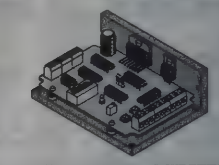
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Applied Motion Part No.	Fig.	Current Control at 20 KHz	Nominal DC Bus Voltage	AC Input Voltage	Output Current in 0.01 Amp Increments	Price Each
834-STAC6S	STAC6-S	L	4 state PWM	165 VDC	94-135VAC 50/60Hz	0.5 - 6.0 (6A Peak)	875.00
834-STAC6SP	STAC6-Si	L	4 state PWM	165 VDC	94-135VAC 50/60Hz	0.5 - 6.0 (6A Peak)	1075.00

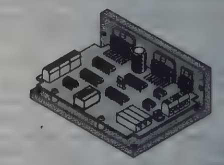
A



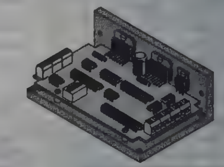
B



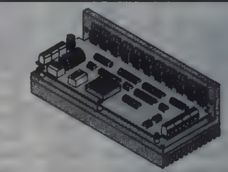
C



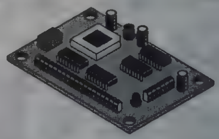
D



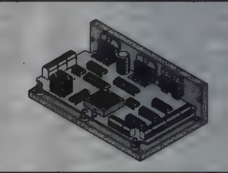
E



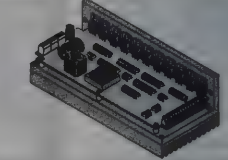
F



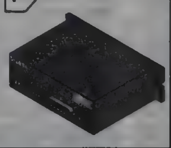
G



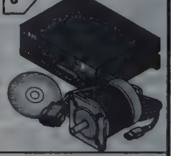
H



I



J



K

L

AUTOTROL DC Motors

SIZE 12 MM - DC SPUR GEAR CORELESS MOTORS

Specifications:
- Rated Voltage: 12 VDC
- Mounting Screw Size: M5.5-2
- Shaft Length: 7.5 mm
- Shaft Diameter: 2 mm
- Shaft Flat Depth x Length: 1.5 x 5 mm

Applications:
- Optical Equipment
- Monitoring Cameras
- Door Locks
- Fiber Optic Equipment

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Autotrol Part No.	Fig.	Rated Torque (mNm)	Rated Speed	Total Length	Price Each			
						1	5	10	25
708-2100109A	210-0109A	A	1.5	1725	31.3 mm	103.82	98.63	96.55	93.44
708-2100110A	210-0110A	A	9.8	188	31.3 mm	122.26	116.15	113.70	110.03
708-2100111A	210-0111A	A	24.5	65	31.3 mm	128.48	122.06	119.49	115.63

SIZE 16 MM - DC SPUR GEAR CORELESS MOTORS

Specifications:
- Rated Voltage: 24 VDC
- Mounting Screw Size: M2-2
- Shaft Length: 7.5 mm
- Shaft Diameter: 3 mm
- Shaft Flat Depth x Length: 2.5 x 5 mm

Applications:
- Optical Equipment
- Card Conveyors
- Medical Equipment

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Autotrol Part No.	Fig.	Rated Torque (mNm)	Rated Speed	Total Length	Price Each			
						1	5	10	25
708-2160101A	216-0101A	B	7.4	1014	52.75 mm	171.85	163.26	159.82	154.67
708-2160102A	216-0102A	B	58.8	75	52.75 mm	183.23	174.07	170.40	164.91
708-2160103A	216-0103A	B	58.8	8.4	52.75 mm	193.27	183.61	179.74	173.94

SIZE 21 MM - DC PLANETARY GEAR CORED MOTORS

Specifications:
- Rated Voltage: 24 VDC
- Mounting Screw Size: M2-4
- Shaft Length: 7 mm
- Shaft Diameter: 4 mm
- Shaft Flat Depth x Length: 3.5 x 6.6 mm

Applications:
- Ticket Dispenser
- Card Conveyors
- Medical Equipment

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Autotrol Part No.	Fig.	Rated Torque (mNm)	Rated Speed	Total Length	Price Each			
						1	5	10	25
708-2200105A	220-0105A	C	6.9	2913	52.4mm	78.62	74.69	73.12	70.76
708-2200106A	220-0106A	C	98.1	123	55.6mm	97.58	92.70	90.75	87.82
708-2200107A	220-0107A	C	196.0	29	58.8mm	108.99	103.54	101.36	98.09

SIZE 35 MM - DC SPUR GEAR CORED MOTORS WITH 7 MM SHAFT OFFSET

Specifications:
- Rated Voltage: 12 VDC
- Mounting Hole Size: 3.5-4
- Shaft Length: 15 mm
- Shaft Diameter: 6 mm
- Shaft Flat Depth x Length: 5.5 x 12 mm

Applications:
- Quality Control Equipment
- Label Printers
- Vending Machines
- Massage Equipment

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Autotrol Part No.	Fig.	Rated Torque (mNm)	Rated Speed	Total Length	Price Each			
						1	5	10	25
708-2400116A	240-0116A	D	19.6	887	50.8mm	78.08	74.18	72.61	70.27
708-2400117A	240-0117A	D	579.0	26	55.8mm	96.78	91.94	90.01	87.10
708-2400118A	240-0118A	D	588.0	8.3	58.3mm	104.92	99.67	97.58	94.43

SIZE 51X51X25.4 MM - SPUR GEAR AC SYNCHRONOUS MOTORS

Specifications:
- Rated Voltage: 115/60 AC/Hz
- Mounting Hole Size: 3.6-2
- Shaft Length: 15.7 mm from mounting face
- Shaft Configuration: 8-32, 2A Threaded

Applications:
- Time Clocks
- HVAC
- Point of Purchase Displays

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Autotrol Part No.	Fig.	Rated Torque (mNm)	Rated Speed	Total Length	Price Each			
						1	5	10	25
708-1501529A	150-1529A	E	125.0	1	51x51x25.4	35.63	33.85	33.14	32.07

SIZE 76X51X51 MM - SPUR GEAR DC MOTORS WITH INTERNAL SLIP CLUTCH

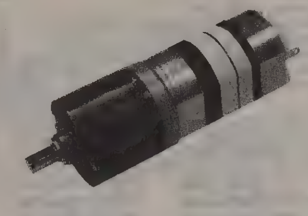
Specifications:
- Integral Clutch
- Rated Voltage: 12 VDC
- Mounting Hole Size: 4.5-2
- Shaft Length: 10.9
- Shaft Configuration: 12 Tooth, 24 DP Pinion

Applications:
- Automotive
- Water Control Valves
- Metering Equipment

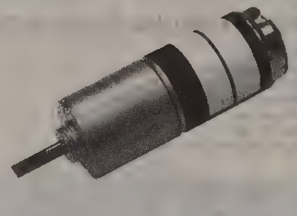
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Autotrol Part No.	Fig.	Rated Clutch Torque (mNm)	Rated Speed	Total Length	Price Each			
						1	5	10	25
708-2000512A	200-0512A	F	700.0	40	76x51x51	63.95	60.75	59.47	57.56

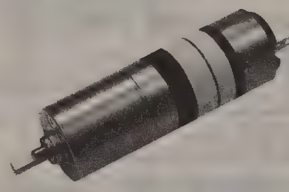
A



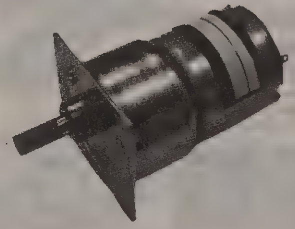
B



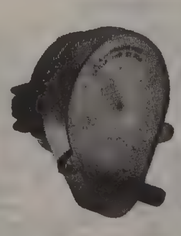
C



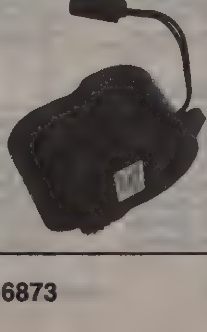
D



E



F



FUJITSU Thermal Printers and Accessories

RoHS Compliant This page of product is compliant.

PRINTER MECHANISMS

Features:
- Ultra high speed printing
- Rear paper insertion mechanism with lock type
- Multi-featuring diecast frame
- Compact size
- High resolution
- RoHS Compliant per Fujitsu documentation

Applications:
- POS/ECR
- KioskTerminals
- Ticket Machines
- Label Printers
- Banking Machines
- Measuring Devices
- Medical Equipment

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Description	Price Each	
				1	5
817-FTP-628MCL053	FTP-628MCL053	A	5V Mechanism	50.60	46.00
817-FTP-628MCL054	FTP-628MCL054	A	5V Mechanism	48.40	44.00
817-FTP-628MCL103	FTP-628MCL103	A	5V Mechanism	46.20	42.00
817-FTP-638MCL103	FTP-638MCL103	B	5V Mechanism	68.20	62.00
817-FTP-629MCL054R	FTP-629MCL054R	C	24V Mechanism	81.40	74.00
817-FTP-639MCL054R	FTP-639MCL054R	D	24V Mechanism	94.60	86.00

PRINTER MECHANISMS WITH CUTTER

Features:
- Easy paper insertion
- Auto cutter
- Multi-featuring diecast frame
- Compact size
- High resolution
- RoHS Compliant per Fujitsu documentation

Applications:
- POS/ECR
- KioskTerminals
- Ticket Machines
- Label Printers
- Banking Machines
- Measuring Devices
- Medical Equipment

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Description	Price Each	
				1	5
817-FTP-629MCL354R	FTP-629MCL354R	C	24V Mechanism with Cutter	143.00	130.00
817-FTP-639MCL354R	FTP-639MCL354R	D	24V Mechanism with Cutter	158.40	144.00

KIOSK PRINTER UNIT

Features:
- Ultra high speed printing
- Easy paper insertion
- Auto cutter
- Multi-featuring diecast frame
- Compact size
- High resolution
- RoHS Compliant per Fujitsu documentation

Applications:
- POS/ECR
- KioskTerminals
- Ticket Machines
- Banking Machines
- Measuring Devices
- Medical Equipment

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Description	Price Each	
				1	5
817-FTP-627USL401R	FTP-627USL401R	E	24V Printer Unit	297.00	270.00

MOBILE PRINTERS

Features:
- Easy paper insertion
- Multi-featuring diecast frame
- Compact size
- High resolution
- RoHS Compliant per Fujitsu documentation

Applications:
- POS/ECR
- Delivery
- Hospitality
- Measuring Devices
- Medical Equipment

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Description	Price Each	
				1	5
817-FTP-628WSL120	FTP-628WSL120#10	F	Serial Mobile Printer	462.00	420.00
817-FTP-628WSL110	FTP-628WSL110#10	F	Bluetooth Mobile Printer	528.00	480.00

SERIAL BOARDS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Description	Price Each	
				1	5
817-FTP-628DSL305R	FTP-628DSL305R	G	5V Serial Board	90.20	82.00
817-FTP-629DSL034R	FTP-629DSL034R	H	24V Serial Board	127.60	116.00

ACCESSORIES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Description	Price Each	
			1	5
817-FTP-628Y302	FTP-628Y302	Serial Cable	6.93	6.30
817-FTP-628Y303	FTP-628Y303	Serial Mobile Cable	55.00	50.00
817-FTP-629Y301	FTP-629Y301	USB Cable	19.25	17.50
817-FTP-629Y401	FTP-629Y401	5V Logic Cable	3.30	3.00
817-FTP-628Y402	FTP-628Y402	5V Power Cable	5.50	5.00
817-FTP-629Y601	FTP-629Y601	24V Power Cable	7.92	7.20

THERMAL PAPER

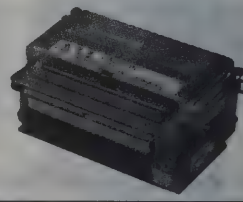
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Paper Width (mm)	Paper Thickness (μ)	Roll Length (m)	Price Per Roll	
					1	5
817-FTP-020P0704	FTP-020P0704	58	65	13.5	2.09	1.90
817-FTP-020PU001	FTP-020PU001	58	75	56	2.51	2.28
817-FTP-020P0020	FTP-020P0020	60	65	30	2.20	2.00
817-FTP-030PU001	FTP-030PU001	80	75	25	3.12	2.84
817-FTP-030P0020	FTP-030P0020	85	65	30	2.93	2.66

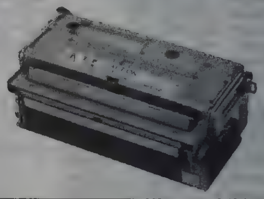
A

B

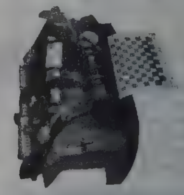
C



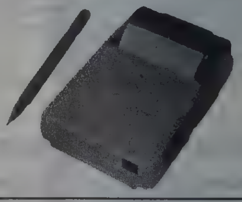
D



E



F



G

H

SEIKO INSTRUMENTS Thermal Printers and Accessories

SII

SEIKO MTP SERIES THERMAL PRINT MECHANISMS

MTP Series thermal printers offer a wide range of features, making them ideal for applications where size, portability, low power consumption, battery operation and affordability are important factors. This series provide the benefit of hardcopy printouts for verifying results or retaining records from an array of small or handheld portable instruments.

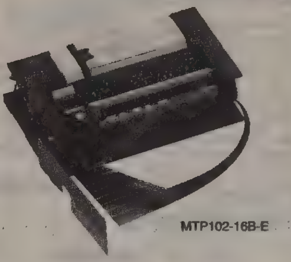
Features:

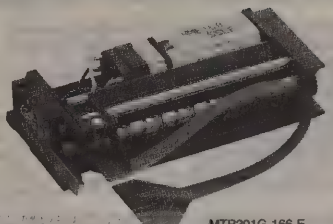
- Compact, lightweight design
- High reliability
- Suitable for battery operation
- Designed for versatile applications
- Silent, non-impact system
- Voltage: 5 VDC
- Current: 3.2A Max. printing

Applications:

- Calculators
- Measuring instruments
- Medical devices

RoHS Compliant


MTP102-16B-E


MTP201G-166-E

For quantities of 10 and up, call for a quote.

MOUSER STOCK NO.	Seiko Part No.	Dots Per Line	Paper Width (mm)	Character Per Line	Print Speed	Weight (g)	Dimensions (mm)			Price Each	
							W	D	H	1	5
628-MTP102-16BE	MTP102-16B-E	7 x 110	26.4	16	1.2 cl/s, 19cps	35	48	31	13.8	41.80	38.00
628-MTP201-24BE	MTP201-24B-E	7 x 166	46	24	0.9 cl/s, 22 cps	40	70	34	14.4	41.80	38.00
628-MTP201-G166E	MTP201-G166-E	8 x 166	46	24 (Graphic)	0.9 cl/s, 22 cps	40	70	34	14.4	44.00	40.00
Accessories		Description									
628-IFM001-01BCE	IFM001-01B-C-E	Interface Board with Connector Board for MTP Series				20	71.5	59	11.5	90.20	82.00
628-PTM01P01E	PTM01P01-01-E	CPU - 64pin DIP package, Operating Freq: 4.91 ± 0.5%					57.6	17	5.08	24.20	22.00

SEIKO STP SERIES THERMAL PRINTERS

STP Series offers an advanced dual-step motor system that supports independent paper feed and head movement functions for greater efficiency and dependability in a compact, light-weight design.

Features:

- Simple and silent operation
- High quality character and graphic printing
- Advanced mechanism design for increased reliability
- Up to 4 dots/mm
- Compact, lightweight design

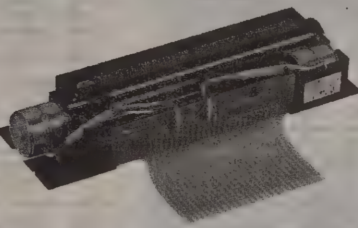
Applications:

- POS
- Measuring instruments
- Medical equipment
- Amusement

Specifications:

- Voltage: 5 VDC
- Current: 3.5A Max.

RoHS Compliant



For quantities of 10 and up, call for a quote.

MOUSER STOCK NO.	Seiko Part No.	Dots Per Line	Paper Width (mm)	Character Per Line	Print Speed	Weight (g)	Dimensions (mm)			Price Each	
							W	D	H	1	5
628-STP411G-320E	STP411G-320-E	9 x 320	112	40	0.8 cl/s, 31cps	135	153	44.5	20	88.00	80.00

SEIKO LTP1245 SERIES THERMAL LINE PRINTER

The LTP1245 is a superior, next-generation thermal line printer that offers high-speed, high-resolution printing in a compact, lightweight mechanism ideal for today's 5V portable applications. The LTP1245 maximizes printer functionality in applications where minimizing power consumption, size and weight is a priority.

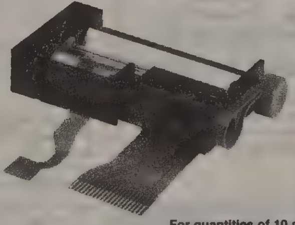
Features:

- Wide opening head for easy access
- Low 4.2V to 8.5V power supply operation
- Curved paper path
- High Resolution printing (8 dots/mm)
- Compact, lightweight design

Applications:

- Measuring instruments
- POS
- Analyzers
- Portable communications devices

RoHS Compliant



For quantities of 10 and up, call for a quote.

MOUSER STOCK NO.	Seiko Part No.	Dots Per Line	Paper Width (mm)	Character Per Line	Print Speed	Weight (g)	Dimensions (mm)			Price Each	
							W	D	H	1	5
-628-LTP1245R-C384E	LTP1245R-C384-E	384	58	24	62.5mm @ 8V	45	72	39.5	16	88.00	80.00
Accessories		Description									
628-IF1101-01BE	IF1101-01B-E	Interface Board for LTP1245				40	70	100	12	254.20	241.50
628-ACU6205AE	ACU6205A-E	Circular Auto Cutter with Full Cutting Condition; 58mm paper width				-	81.9	54	12	88.00	80.00
628-OP-L1245AE	OP-L1245A-E	Mounting Plate for LTP1245				-	-	-	-	2.64	2.40
628-OP-L1200AE	OP-L1200A-E	Mounting Plate for ACU6205-A				-	-	-	-	5.28	4.80

SEIKO LTP-H245 EZ-OP AND LTP-2000 SERIES MECHANISMS

The versatile line of EZ-OP thermal mechanisms, make changing and reloading the paper stock literally a snap. And the rugged and reliable LTP-2000 series, offering long service life. All are ideal solutions for applications where quiet, high-performance, cost-effective printing component are required.

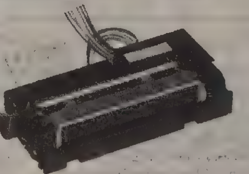
Features:

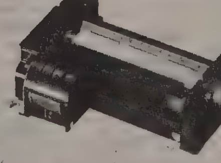
- LTP-H245 offers EZ-OP quick platen release and paper loading mechanism
- Quiet and compact design
- High Resolution printing (8 dots/mm)
- High print speeds up to 90mm/sec

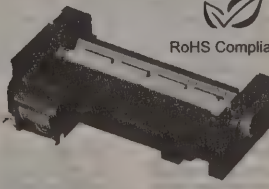
Applications:

- Hand-held terminals
- POS
- Kiosk
- Test equipment
- Medical

RoHS Compliant


LTPH245D-C384-E


LTP2242C-S432A-E


LTP2342C-S576A-E

For quantities of 10 and up, call for a quote.

MOUSER STOCK NO.	Seiko Part No.	Dots Per Line	Paper Width (mm)	Character Per Line	Print Speed	Voltage	Weight (g)	Dimensions (mm)			Price Each	
								W	D	H	1	5
628-LTPH245D-C384E	LTPH245D-C384-E	384	48	24	25.0mm @ 5.0V	5 V	48	76.8	38	16	90.64	82.40
628-LTP2242C-S432AE	LTP2242C-S432A-E	432	54	27	90mm/s, 18 cl/s	24 V	120	85.2	61.4	27	124.30	113.00
628-LTP2342C-S576AE	LTP2342C-S576A-E	576	72	36	75mm/s, 15 cl/s	24 V	140	106.4	61.4	27	144.98	131.80
628-LTP2342D-C576AE	LTP2342D-C576A-E	576	72	36	75mm/s, 15 cl/s	24 V	140	106.4	61.4	27	144.98	131.80
Accessories		Description										
628-IFH002-01BE	IFH002-01B-E	Interface Board with no Auto Cutter support for LTPH245						70	70	11.3	155.32	141.20
628-IF2301-01BE	IF2301-01B-E	Interface Board with DIP Switch for LTP2000 Series						90	100	22	188.15	178.75
628-ACUH205AE	ACUH205A-E	Circular Auto Cutter w/Partial Cutting Condition; 58mm Paper Width; Op Voltage - Motor: 4.2-8.5						91	47.6	12.7	62.04	56.40
628-OP-LH200AE	OP-LH200A-E	Support Plate for ACUH205						-	-	-	5.28	4.80
628-ACU2224A-AE	ACU2224A-A-E	Slide Auto Cutter w/ Full or Partial Cutting Condition; 60mm Paper Width; Op Volt.-Motor: 21.6-26.4						79	66.5	16.5	90.64	82.40
628-ACU2324A-AE	ACU2324A-A-E	Slide Auto Cutter w/ Full or Partial Cutting Condition; 60mm Paper Width; Op Volt.-Motor: 21.6-26.4						100	66.5	17	108.68	98.80

SEIKO INSTRUMENTS Thermal Printers and Accessories SII

SEIKO LTP3000 SERIES THERMAL LINE PRINTERS

The LTP3000 Series thermal line printers combine a compact, light-weight battery-powered design with an array of advanced features.
This is an ideal solution for any application where small size, speed, versatility and low-power consumption are critical.

Features:

- Low voltage operation
- High reliability
- Quiet and compact design
- Head-up and paper-out sensors
- High resolution printing (8 dots/mm)
- 5V operation

RoHS Compliant

MOUSER STOCK NO.	Seiko Part No.	Fig.	Dots Per Line	Paper Width (mm)	Character Per Line	Print Speed	Weight (g)	Dimensions (mm)			Price Each	
								W	D	H	1	5
628-LTP3245D-S384E	LTP3245D-S384-E	A	394	58	24	54.5mm/sec@7V	80	76.3	50	20	142.00	134.90

SEIKO LTP5000 SERIES THERMAL LINE PRINTERS

The LTP5000 Series offers advanced line print technology with a design that eliminates moving heads and greatly reduces the number of moving parts.

Features:

- Wide opening head
- High reliability
- Quiet and compact design
- Head-up and paper-out sensors
- High resolution printing (8 dots/mm)

Applications:

- Measuring Instrument
- Barcode
- Ticket printer
- Medical equipment

RoHS Compliant

MOUSER STOCK NO.	Seiko Part No.	Fig.	Dots Per Line	Paper Width (mm)	Character Per Line	Print Speed	Weight (g)	Dimensions (mm)			Price Each	
								W	D	H	1	5
628-LTP5442B-C832E	LTP5442B-C832-E	B	832	112	52	50mm @ 24V	380	158	60	37	218.00	207.10
Accessories		Description										
628-ACU5424A-AE	ACU5424A-A-E	Guillotine Auto Cutter w/Full or Partial Cutting condition; 122mm Paper Width, Operating Voltage - Motor: 24 ± 2.4, Detector: 12 ± 1.2						130	58	21.5	132.00	120.00

SEIKO DPU-414 STAND ALONE PRINTER

For a compact desktop or portable thermal printer, the DPU-414 is an excellent selection. It incorporates their STP printer mechanism to ensure silent and high-quality printing of characters plus high-density graphics.

Features:

- Dual-Power supply
- CRT display hardcopy, HEX dump copy
- Built-in buffer (approx. 28kb)
- Support for Centronics and serial data input

Applications:

- Measuring Instrument
- Medical equipment

RoHS Compliant

MOUSER STOCK NO.	Seiko Part No.	Fig.	Dots/ Character Per Line	Paper Width (mm)	Character Per Line Normal/ Condensed	Print Speed Normal/ Condensed	Weight (g)	Dimensions (mm)			Price Each	
								W	D	H	1	5
628-DPU414-30BE	DPU-414-30B-E	C	320/24	112	40 / 80	1.3 / 1.0 CLS	580	160	170	66.5	220.00	209.00
Accessories		Description										
628-BP-4005E	BP-4005-E	Ni-MH Rechargeable battery for DPU-414									44.00	40.00
628-PW4007-JU1-E	PW-4007-JU1-E	6.5VDC AC adapter power supply for DPU-414									39.25	35.80
628-CB-US01-18B-E	CB-US01-18B-E	Cable Power for PW-4007									4.76	4.52

SEIKO DPU-3445 PORTABLE PRINTER

Capable of meeting the mobile environment's demand for durability and reliability, this compact performer features a Lithium-ion battery with an optional external charger and 4K-bit internal memory.

Features:

- Excellent resolution
- 50mm/sec print speed
- Easy to carry
- Compact and lightweight
- Serial & IRDA interface

Applications:

- Measuring Instrument
- PDA
- Barcode
- Medical Equipment

RoHS Compliant

MOUSER STOCK NO.	Seiko Part No.	Fig.	Dots Per Line	Print Width (mm)	Paper Width (mm)	Print Speed	Weight (g)	Dimensions (mm)			Price Each
								W	D	H	
628-DPU-3445-30AE	DPU-3445-30A-E	D	832	104	112mm	50mm/sec	250	160	89	29.5	505.80
Accessories		Description									
628-BP-3007-A1E	BP-3007-A1-E	Battery Pack for DPU-3445									148.20
628-RH-48-00E	RH-48-00-E	Paper Holder for DPU-3445									31.02
628-PW-0904-W1E	PW-0904-W1-E	AC Adapter without AC Cable for DPU-3445									69.96

SEIKO DPU-V445 PORTABLE PRINTER

An innovative, compact portable design makes the new DPU-V445 an ideal solution for medical, testing, and other portable printer applications.

Features:

- Advanced direct thermal technology
- High reliability

Applications:

- Medical
- Testing

Specifications:

- No. of dots/line: 832
- Operating Temp: 0 to 40°C

RoHS Compliant

MOUSER STOCK NO.	Seiko Part No.	Fig.	Resolution	Paper Width (mm)	Print Method	Print Speed	Weight (g)	Dimensions (mm)			Price Each
								W	D	H	
628-DPU-V445	DPU-V445-10B-E	E	203 dpi; 8 dots/mm	112	Direct Thermal	80mm/sec	500	154	129	66.3	617.66
Accessories		Description									
628-PW0903W1E	PW-0903-W1-E	Power Supply for DPU-V445									70.59
628-CBUS0218AE	CB-US02-18A-E	Cable Power for PW-0903/PWC-L07B1-E									7.94
628-BPL0717B1E	BP-L0717-B1-E	Battery Pack for DPU-V445									105.88
628-NC-LSC05	NC-LSC05	Battery Charger for DPU-V445									174.71

SEIKO MPU PORTABLE WIRELESS PRINTER

The durable MPU-L465 mobile thermal printer offers embedded Class 2 Bluetooth® wireless communications capabilities for convenient mobile printing in a wide variety of applications.

Features:

- Durable outer housing
- Fast, simple EZ-OP paper loading
- Top-of-form calibration

Applications:

- Label
- PDA
- Barcode
- Ticket printer

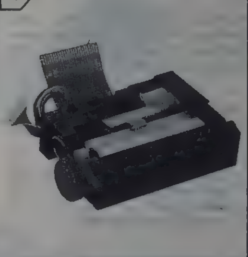
Specifications:

- MPU mobile pack comes with BlueTooth®, Battery, Belt Clip and Strap

RoHS Compliant

MOUSER STOCK NO.	Seiko Part No.	Fig.	Resolution	Paper Width (mm)	Print Method	Print Speed	Weight (g)	Dimensions (mm)			Price Each
								W	D	H	
628-MPU-L465-16CE	MPU-L465-16C-03-E	F	300dpi; 11.8 dots/mm	70 - 115	Direct Thermal	85mm/sec.max	950	168	155	87	1338.80
Accessories		Description									
628-BP-L0720-A1E	BP-L0720-A1-E	Replacement Battery Pack for MPU Series									113.96
628-PW-0904-W1E	PW-0904-W1-E	AC Adapter without AC Cable for MPU Series									69.96

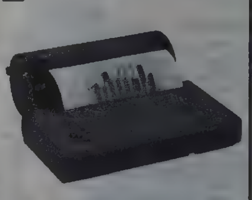
A



B

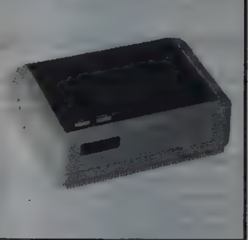
C

D

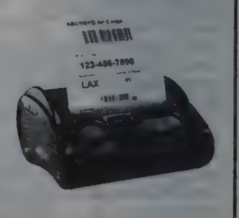


Shown With Paper Holder

E



F



CHERRY Keyboards and Computer Input Devices

CHERRY

CHERRY CYMOTION KEYBOARD

Features:

- Linux-Key: opens main menu of the Linux operating system
- Internet-Keys
- Multimedia-Keys
- Xpress-Keys
- 20% larger key surface

NEW FROM SUPPLIER

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Price Each		
				1	10	25
540-G86-21070EUAAAC	G86-21070EUAAAC	A	Silver/black Linux multimedia kbd. US Int'l 133 layout w/ 29 add. prog. keys. USB, PS2, wrist rest, special SUSE Linux & Keym@n config SW. Support for Win, other OSs.	69.56	61.05	52.91

CHERRY 6240 SERIES COMPACT KEYBOARDS WITH INTEGRATED TOUCHPAD

NEW FROM SUPPLIER

Features:

- Full QWERTY key layout in compact 14" USB keyboard
- IP54 spill and dust resistant key field
- Yellow status LEDs for impoved visibility with artificial lighting
- Numeric pad included 00 key for fast currency typing

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Price Each		
				1	10	25
540-86-62401EUADAA	G86-62401EUADAA	B	Black, US 109 layout with 4 add. keys. IP 54 key field	142.50	127.50	112.50
540-86-62401EUAEAA	G86-62401EUAEAA	B	Light Gray, US 109 layout with 4 add. keys. IP 54 key field	142.50	127.50	112.50

CHERRY TOUCH BOARD SERIES KEYBOARDS

NEW FROM SUPPLIER

Features:

- Compact - space saving & ergonomic
- Integrated, high-quality touchpad with mouse keys
- Operating life of individual keys > 50 million operations
- International layouts available

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Conn.	Price Each		
					1	10	25
540-G80-11900LTMUS-2	G80-11900LTMUS-2	C	16" PS2 kbd w/ Touchp. 104 Keys, Black. Option for serial Touchp. interface w/ includ. adapter. MX switches.	2 PS/2	193.64	169.95	147.29
540-G80-11900LPMUS-0	G80-11900LPMUS-0	C	19" PC kbd, 104 Keys, Lt Gray, Integrated Touch Pad	PS/2	179.25	156.75	135.71
540-G80-11900LUMEU-0	G80-11900LUMEU-0	C	19" PC kbd, 104 Keys, Lt Gray, Integrated Touch Pad	USB	186.79	163.35	141.43
540-G80-11900LUMEU-2	G80-11900LUMEU-2	C	19" PC kbd, 104 Keys, Black, Integrated Touch Pad	USB	186.79	163.35	141.43

CHERRY HIGH QUALITY COMPACT KEYBOARDS

Features:

- Compact, space saving design
- FTSC membrane contact system
- Operating life of individual keys > 50 million operations
- High-quality keyboard for professional users

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Conn.	Price Each		
					1	10	25
540-G81-1800LPMUS-0	G81-1800LPMUS-0	D	Compact, 104 Keys, Light Gray	PS/2	75.47	66.00	57.14
540-G81-1800LPMUS-2	G81-1800LPMUS-2	D	Compact, 104 Keys, Black	PS/2	75.47	66.00	57.14
540-G81-1800LUMUS-0	G81-1800LUMUS-0	D	Compact, 104 Keys, Light Gray	USB	75.47	66.00	57.14
540-G81-1800LUMUS-2	G81-1800LUMUS-2	D	Compact, 104 Keys, Black	USB	81.13	70.95	61.43

CHERRY BUSINESS K-1 KEYBOARDS

Features:

- Comfortable key selection
- Cost Advantage
- Abrasion-proof writing on keycaps

RoHS Compliant

NEW FROM SUPPLIER

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Conn.	Price Each		
					1	10	25
540-J82-16001LPNEU-0	J82-16001LPNEU-0	E	Standard Business Design, 104 Keys, Light Gray	PS/2	14.25	12.75	11.25
540-J82-16001LPNEU-2	J82-16001LPNEU-2	E	Standard Business Design, 104 Keys, Black	PS/2	14.25	12.75	11.25
540-J82-16001LUNEU-0	J82-16001LUNEU-0	E	Standard Business Design, 104 Keys, Light Gray	USB	14.25	12.75	11.25
540-J82-16001LUNEU-2	J82-16001LUNEU-2	E	Standard Business Design, 104 Keys, Black	USB	14.25	12.75	11.25

CHERRY BUSINESS KEYBOARDS

Features:

- Operating life of individual keys >20 million operations
- Keycap symbols are wear-resistant laser printed technology
- International layouts available

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Conn.	Price Each		
					1	10	25
540-G83-6104LPNUS-0	G83-6104LPNUS-0	E	Full Size, 104 Keys, Light Gray	PS/2	28.30	24.75	21.43
540-G83-6104LRNUS-2	G83-6104LRNUS-2	E	Full Size, 104 Keys, Black with Lasered Cherry Logo	PS/2	33.02	28.88	25.00
540-G83-6104LUNUS-0	G83-6104LUNUS-0	E	Full Size, 104 Keys, Light Gray, Hubless	USB	33.02	28.88	25.00
540-G83-6104LUNUS-2	G83-6104LUNUS-2	E	Full Size, 104 Keys, Black, Hubless, No Cherry Logo	USB	34.91	30.53	26.43

CHERRY SLIM LINE SERIES KEYBOARDS

Features:

- Notebook size with 83 keys
- Exceptionally space-efficient, lightweight
- Individual keys have long service life: approx. 20 million key operations
- International layouts available

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Conn.	Price Each		
					1	10	25
Compact							
540-G84-4100PPAUS	G84-4100PPAUS	F	Ultra-low profile, Beige	PS/2	75.47	66.00	57.14
540-G84-4100PRAUS	G84-4100PRAUS	F	Ultra-low profile, Black	PS/2	86.79	75.90	65.71
540-G84-4100PCAUS-0	G84-4100PCAUS-0	F	Ultra-low profile, Light Gray	USB	84.91	74.25	64.29
540-G84-4100PTMUS	G84-4100PTMUS	F	Ultra-low profile, Black	USB	96.23	84.15	72.86
Compact with Trackball	• Two functions combined in one device						
540-G84-4400PPBUS-0	G84-4400PPBUS-0	G	w/ Integrated high-quality 16mm Trackball, Gray	PS/2	186.79	163.35	141.43
540-G84-4400PRBUS	G84-4400PRBUS	G	w/ Integrated high-quality 16mm Trackball, Black	PS/2	198.11	173.25	150.00
540-G84-4400PTBUS	G84-4400PTBUS	G	Hubless, Integrated high-quality 16mm Trackball, Black	USB	198.11	173.25	150.00

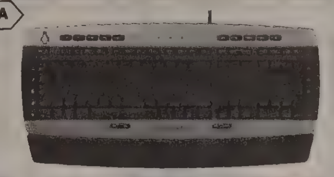
CHERRY COMPUTER INPUT DEVICES

- IBM compatible PC
- USB or PS/2 connection

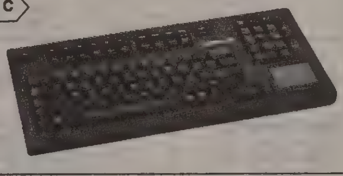
NEW FROM SUPPLIER

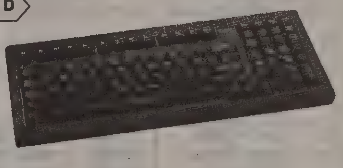
For quantities of 50 and up, call for quote.

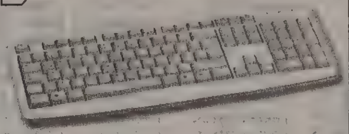
MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Price Each		
				1	10	25
540-M-5400	M-5400	H	Optical mouse w/ scroll wheel. PS2, USB connectors. Std. Business Design, Lt Gray	11.40	10.20	9.00
540-M-5450	M-5450	I	Optical mouse w/ scroll wheel. PS2, USB connectors. Std. Business Design, Black	11.40	10.20	9.00
540-ST-1044UB	ST-1044UB	J	Smart Card Stand Alone Reader, USB, X-Chip, Light Gray and Black Base	45.28	39.60	34.29

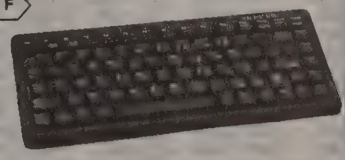
A


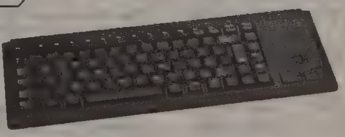
B

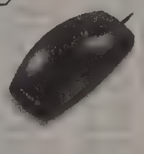
C


D


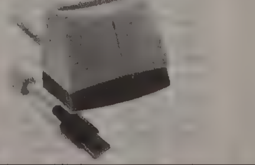
E


F


G


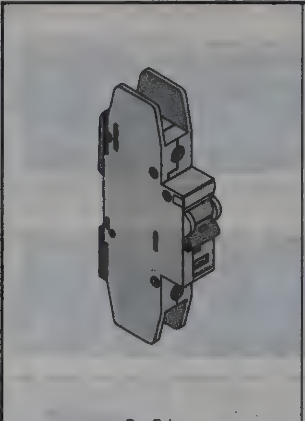
H


I

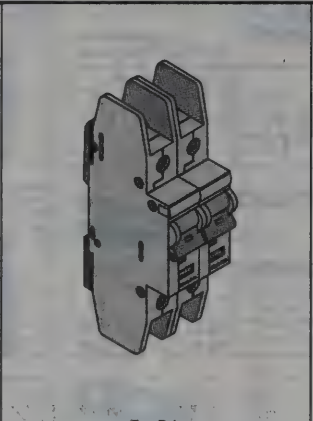
J


ALTECH UL489 Circuit Breakers

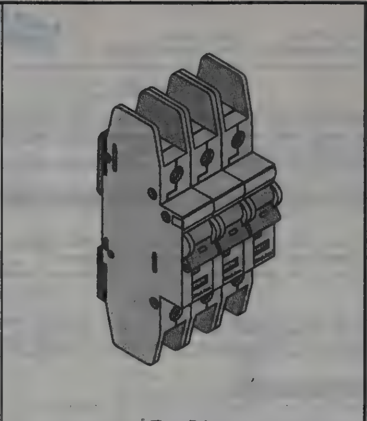
Altech Corp.®



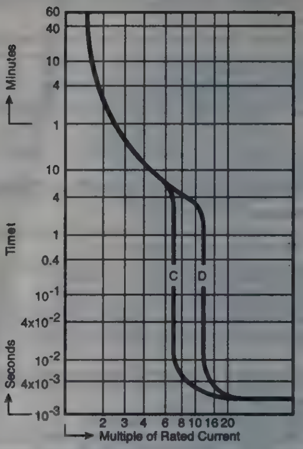
One Pole



Two Pole



Three Pole



Altech Corp.® L-SERIES CIRCUIT BREAKERS

Specifications:

- UL489 Listed
- DIN Rail Mounted
- 17.5mm width
- Thermal Magnetic
- 0.2-63A / 240VAC, 50/60Hz
- 0.2-32A / 480Y/277VAC, 50/60Hz
- Short Circuit Interrupt Capacity 10kA
- HACR Type 40°C
- Positive Trip Indicator (Green - off/tripped, Red-on)
- Line/Load reversible
- DC versions available:*
- 125V (1 pole) and 250V (2 pole)

RoHS Compliant

CE cULus

C*- Characteristic · Thermal one-hour trip zone 1.05-1.3 times rated current (RC): magnetic 100 ms trip boundary 5 to 10 times RC.

For quantities of 100 and up, call for quote.

Rated Current	One Pole						Two Pole						Three Pole					
	MOUSER STOCK NO.	Altech Part No.	Price Each				MOUSER STOCK NO.	Altech Part No.	Price Each				MOUSER STOCK NO.	Altech Part No.	Price Each			
			1	10	25	50			1	10	25	50			1	10	25	50
0.2	845-1CU02L	1CU02L	32.92	31.30	29.38	28.50	845-2CU02L	2CU02L	65.84	62.60	58.75	57.00	845-3CU02L	3CU02L	98.76	93.91	88.13	85.50
0.5	845-1CU05L	1CU05L	32.92	31.30	29.38	28.50	845-2CU05L	2CU05L	65.84	62.60	58.75	57.00	845-3CU05L	3CU05L	98.76	93.91	88.13	85.50
1	845-1CU1L	1CU1L	32.92	31.30	29.38	28.50	845-2CU1L	2CU1L	65.84	62.60	58.75	57.00	845-3CU1L	3CU1L	98.76	93.91	88.13	85.50
2	845-1CU2L	1CU2L	32.92	31.30	29.38	28.50	845-2CU2L	2CU2L	65.84	62.60	58.75	57.00	845-3CU2L	3CU2L	98.76	93.91	88.13	85.50
3	845-1CU3L	1CU3L	32.92	31.30	29.38	28.50	845-2CU3L	2CU3L	65.84	62.60	58.75	57.00	845-3CU3L	3CU3L	98.76	93.91	88.13	85.50
4	845-1CU4L	1CU4L	32.92	31.30	29.38	28.50	845-2CU4L	2CU4L	65.84	62.60	58.75	57.00	845-3CU4L	3CU4L	98.76	93.91	88.13	85.50
5	845-1CU5L	1CU5L	32.92	31.30	29.38	28.50	845-2CU5L	2CU5L	65.84	62.60	58.75	57.00	845-3CU5L	3CU5L	98.76	93.91	88.13	85.50
6	845-1CU6L	1CU6L	32.92	31.30	29.38	28.50	845-2CU6L	2CU6L	65.84	62.60	58.75	57.00	845-3CU6L	3CU6L	98.76	93.91	88.13	85.50
8	845-1CU8L	1CU8L	32.92	31.30	29.38	28.50	845-2CU8L	2CU8L	65.84	62.60	58.75	57.00	845-3CU8L	3CU8L	98.76	93.91	88.13	85.50
10	845-1CU10L	1CU10L	32.92	31.30	29.38	28.50	845-2CU10L	2CU10L	65.84	62.60	58.75	57.00	845-3CU10L	3CU10L	98.76	93.91	88.13	85.50
12	845-1CU12L	1CU12L	32.92	31.30	29.38	28.50	845-2CU12L	2CU12L	65.84	62.60	58.75	57.00	845-3CU12L	3CU12L	98.76	93.91	88.13	85.50
13	845-1CU13L	1CU13L	32.92	31.30	29.38	28.50	845-2CU13L	2CU13L	65.84	62.60	58.75	57.00	845-3CU13L	3CU13L	98.76	93.91	88.13	85.50
15	845-1CU15L	1CU15L	32.92	31.30	29.38	28.50	845-2CU15L	2CU15L	65.84	62.60	58.75	57.00	845-3CU15L	3CU15L	98.76	93.91	88.13	85.50
16	845-1CU16L	1CU16L	32.92	31.30	29.38	28.50	845-2CU16L	2CU16L	65.84	62.60	58.75	57.00	845-3CU16L	3CU16L	98.76	93.91	88.13	85.50
20	845-1CU20L	1CU20L	32.92	31.30	29.38	28.50	845-2CU20L	2CU20L	65.84	62.60	58.75	57.00	845-3CU20L	3CU20L	98.76	93.91	88.13	85.50
25	845-1CU25L	1CU25L	32.92	31.30	29.38	28.50	845-2CU25L	2CU25L	65.84	62.60	58.75	57.00	845-3CU25L	3CU25L	98.76	93.91	88.13	85.50
30	845-1CU30L	1CU30L	32.92	31.30	29.38	28.50	845-2CU30L	2CU30L	65.84	62.60	58.75	57.00	845-3CU30L	3CU30L	98.76	93.91	88.13	85.50
32	845-1CU32L	1CU32L	32.92	31.30	29.38	28.50	845-2CU32L	2CU32L	65.84	62.60	58.75	57.00	845-3CU32L	3CU32L	98.76	93.91	88.13	85.50
40	845-1CU40L	1CU40L	32.92	31.30	29.38	28.50	845-2CU40L	2CU40L	65.84	62.60	58.75	57.00	845-3CU40L	3CU40L	98.76	93.91	88.13	85.50
50	845-1CU50L	1CU50L	32.92	31.30	29.38	28.50	845-2CU50L	2CU50L	65.84	62.60	58.75	57.00	845-3CU50L	3CU50L	98.76	93.91	88.13	85.50
60	845-1CU60L	1CU60L	32.92	31.30	29.38	28.50	845-2CU60L	2CU60L	65.84	62.60	58.75	57.00	845-3CU60L	3CU60L	98.76	93.91	88.13	85.50
63	845-1CU63L	1CU63L	32.92	31.30	29.38	28.50	845-2CU63L	2CU63L	65.84	62.60	58.75	57.00	845-3CU63L	3CU63L	98.76	93.91	88.13	85.50

* DC versions available, contact a Mouser service representative

D*- Characteristic Thermal one-hour trip zone 1.05-1.3 times rated current (RC): magnetic 100 ms trip boundary 10 to 16 times RC.

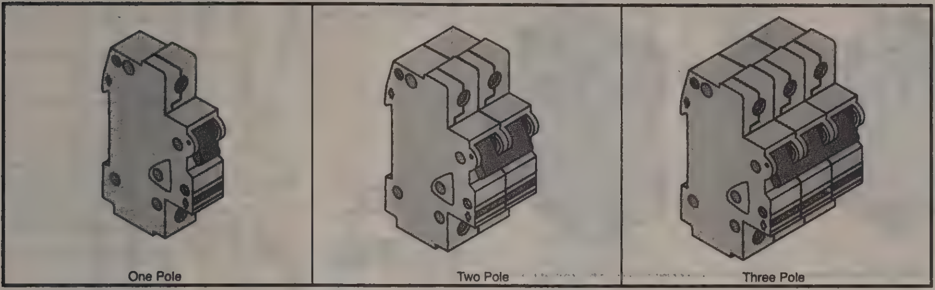
For quantities of 100 and up, call for quote.

Rated Current	One Pole						Two Pole						Three Pole					
	MOUSER STOCK NO.	Altech Part No.	Price Each				MOUSER STOCK NO.	Altech Part No.	Price Each				MOUSER STOCK NO.	Altech Part No.	Price Each			
			1	10	25	50			1	10	25	50			1	10	25	50
0.2	845-1DU02L	1DU02L	32.92	31.30	29.38	28.50	845-2DU02L	2DU02L	65.84	62.60	58.75	57.00	845-3DU02L	3DU02L	98.76	93.91	88.13	85.50
0.5	845-1DU05L	1DU05L	32.92	31.30	29.38	28.50	845-2DU05L	2DU05L	65.84	62.60	58.75	57.00	845-3DU05L	3DU05L	98.76	93.91	88.13	85.50
1	845-1DU1L	1DU1L	32.92	31.30	29.38	28.50	845-2DU1L	2DU1L	65.84	62.60	58.75	57.00	845-3DU1L	3DU1L	98.76	93.91	88.13	85.50
2	845-1DU2L	1DU2L	32.92	31.30	29.38	28.50	845-2DU2L	2DU2L	65.84	62.60	58.75	57.00	845-3DU2L	3DU2L	98.76	93.91	88.13	85.50
3	845-1DU3L	1DU3L	32.92	31.30	29.38	28.50	845-2DU3L	2DU3L	65.84	62.60	58.75	57.00	845-3DU3L	3DU3L	98.76	93.91	88.13	85.50
4	845-1DU4L	1DU4L	32.92	31.30	29.38	28.50	845-2DU4L	2DU4L	65.84	62.60	58.75	57.00	845-3DU4L	3DU4L	98.76	93.91	88.13	85.50
5	845-1DU5L	1DU5L	32.92	31.30	29.38	28.50	845-2DU5L	2DU5L	65.84	62.60	58.75	57.00	845-3DU5L	3DU5L	98.76	93.91	88.13	85.50
6	845-1DU6L	1DU6L	32.92	31.30	29.38	28.50	845-2DU6L	2DU6L	65.84	62.60	58.75	57.00	845-3DU6L	3DU6L	98.76	93.91	88.13	85.50
8	845-1DU8L	1DU8L	32.92	31.30	29.38	28.50	845-2DU8L	2DU8L	65.84	62.60	58.75	57.00	845-3DU8L	3DU8L	98.76	93.91	88.13	85.50
10	845-1DU10L	1DU10L	32.92	31.30	29.38	28.50	845-2DU10L	2DU10L	65.84	62.60	58.75	57.00	845-3DU10L	3DU10L	98.76	93.91	88.13	85.50
12	845-1DU12L	1DU12L	32.92	31.30	29.38	28.50	845-2DU12L	2DU12L	65.84	62.60	58.75	57.00	845-3DU12L	3DU12L	98.76	93.91	88.13	85.50
13	845-1DU13L	1DU13L	32.92	31.30	29.38	28.50	845-2DU13L	2DU13L	65.84	62.60	58.75	57.00	845-3DU13L	3DU13L	98.76	93.91	88.13	85.50
15	845-1DU15L	1DU15L	32.92	31.30	29.38	28.50	845-2DU15L	2DU15L	65.84	62.60	58.75	57.00	845-3DU15L	3DU15L	98.76	93.91	88.13	85.50
16	845-1DU16L	1DU16L	32.92	31.30	29.38	28.50	845-2DU16L	2DU16L	65.84	62.60	58.75	57.00	845-3DU16L	3DU16L	98.76	93.91	88.13	85.50
20	845-1DU20L	1DU20L	32.92	31.30	29.38	28.50	845-2DU20L	2DU20L	65.84	62.60	58.75	57.00	845-3DU20L	3DU20L	98.76	93.91	88.13	85.50
25	845-1DU25L	1DU25L	32.92	31.30	29.38	28.50	845-2DU25L	2DU25L	65.84	62.60	58.75	57.00	845-3DU25L	3DU25L	98.76	93.91	88.13	85.50
30	845-1DU30L	1DU30L	32.92	31.30	29.38	28.50	845-2DU30L	2DU30L	65.84	62.60	58.75	57.00	845-3DU30L	3DU30L	98.76	93.91	88.13	85.50
32	845-1DU32L	1DU32L	32.92	31.30	29.38	28.50	845-2DU32L	2DU32L	65.84	62.60	58.75	57.00	845-3DU32L	3DU32L	98.76	93.91	88.13	85.50
40	845-1DU40L	1DU40L	32.92	31.30	29.38	28.50	845-2DU40L	2DU40L	65.84	62.60	58.75	57.00	845-3DU40L	3DU40L	98.76	93.91	88.13	85.50
50	845-1DU50L	1DU50L	32.92	31.30	29.38	28.50	845-2DU50L	2DU50L	65.84	62.60	58.75	57.00	845-3DU50L	3DU50L	98.76	93.91	88.13	85.50
60	845-1DU60L	1DU60L	32.92	31.30	29.38	28.50	845-2DU60L	2DU60L	65.84	62.60	58.75	57.00	845-3DU60L	3DU60L	98.76	93.91	88.13	85.50
63	845-1DU63L	1DU63L	32.92	31.30	29.38	28.50	845-2DU63L	2DU63L	65.84	62.60	58.75	57.00	845-3DU63L	3DU63L	98.76	93.91	88.13	85.50

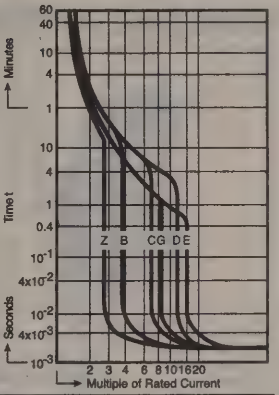
* DC versions available, contact a Mouser service representative

RoHS Compliant This page of product is compliant.

Altech Corp.® UL508 MINIATURE CIRCUIT BREAKERS/MANUAL MOTOR CONTROLLERS, DIN RAIL MOUNT


One Pole Two Pole Three Pole

RoHS Compliant



D - Characteristic

- Thermal one-hour trip zone 1.13-1.45 times rated current (RC): magnetic 100ms trip boundary 10 to16 times RC.

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
One Pole						
845-1DU1	1DU1	1.0A	23.42	21.08	18.97	17.07
845-1DU2	1DU2	2.0A	23.42	21.08	18.97	17.07
845-1DU3	1DU3	3.0A	23.42	21.08	18.97	17.07
845-1DU4	1DU4	4.0A	23.42	21.08	18.97	17.07
845-1DU5	1DU5	5.0A	23.42	21.08	18.97	17.07
845-1DU6	1DU6	6.0A	23.42	21.08	18.97	17.07
845-1DU8	1DU8	8.0A	23.42	21.08	18.97	17.07
845-1DU10	1DU10	10A	22.46	20.22	18.19	16.37
845-1DU13	1DU13	13A	22.46	20.22	18.19	16.37
845-1DU15	1DU15	15A	22.46	20.22	18.19	16.37
845-1DU16	1DU16	16A	22.46	20.22	18.19	16.37
845-1DU20	1DU20	20A	22.46	20.22	18.19	16.37
845-1DU25	1DU25	25A	22.46	20.22	18.19	16.37
845-1DU30	1DU30	30A	22.46	20.22	18.19	16.37
845-1DU32	1DU32	32A	22.46	20.22	18.19	16.37
845-1DU40	1DU40	40A	25.10	22.59	20.33	18.29
845-1DU50	1DU50	50A	26.98	24.28	21.86	19.67
845-1DU60	1DU60	60A	29.13	26.23	23.60	21.24

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
Two Pole						
845-2DU1	2DU1	1.0A	48.52	43.67	39.30	35.37
845-2DU2	2DU2	2.0A	48.52	43.67	39.30	35.37
845-2DU3	2DU3	3.0A	48.52	43.67	39.30	35.37
845-2DU4	2DU4	4.0A	48.52	43.67	39.30	35.37
845-2DU5	2DU5	5.0A	48.52	43.67	39.30	35.37
845-2DU6	2DU6	6.0A	48.52	43.67	39.30	35.37
845-2DU8	2DU8	8.0A	47.25	42.53	38.27	34.45
845-2DU10	2DU10	10A	47.25	42.53	38.27	34.45
845-2DU13	2DU13	13A	47.25	42.53	38.27	34.45
845-2DU15	2DU15	15A	47.25	42.53	38.27	34.45
845-2DU16	2DU16	16A	47.25	42.53	38.27	34.45
845-2DU20	2DU20	20A	47.25	42.53	38.27	34.45
845-2DU25	2DU25	25A	47.25	42.53	38.27	34.45
845-2DU30	2DU30	30A	47.25	42.53	38.27	34.45
845-2DU32	2DU32	32A	47.25	42.53	38.27	34.45
845-2DU40	2DU40	40A	56.29	50.66	45.60	41.04
845-2DU50	2DU50	50A	61.21	55.09	49.58	44.62
845-2DU60	2DU60	60A	67.10	60.39	54.35	48.91

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
Three Pole						
- - - - - -	- - -	- -	- -	- -	- -	- -
845-3DU2	3DU2	2.0A	81.48	73.33	66.00	59.40
845-3DU3	3DU3	3.0A	81.48	73.33	66.00	59.40
845-3DU4	3DU4	4.0A	81.48	73.33	66.00	59.40
845-3DU5	3DU5	5.0A	81.48	73.33	66.00	59.40
845-3DU6	3DU6	6.0A	78.75	70.88	63.79	57.41
845-3DU8	3DU8	8.0A	78.75	70.88	63.79	57.41
845-3DU10	3DU10	10A	78.75	70.88	63.79	57.41
845-3DU13	3DU13	13A	78.75	70.88	63.79	57.41
845-3DU15	3DU15	15A	78.75	70.88	63.79	57.41
845-3DU16	3DU16	16A	78.75	70.88	63.79	57.41
845-3DU20	3DU20	20A	78.75	70.88	63.79	57.41
845-3DU25	3DU25	25A	78.75	70.88	63.79	57.41
845-3DU30	3DU30	30A	78.75	70.88	63.79	57.41
845-3DU32	3DU32	32A	78.75	70.88	63.79	57.41
845-3DU40	3DU40	40A	97.65	87.89	79.10	71.19
845-3DU50	3DU50	50A	105.73	95.16	85.65	77.08
845-3DU60	3DU60	60A	113.71	102.34	92.10	82.89

G - Characteristic

- Thermal one-hour trip zone 1.05-1.35 times rated current (RC): magnetic 100ms trip boundary 8 to 10 times RC.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
One Pole						
845-1GU03	1GU03	0.3A	19.42	17.48	15.74	14.16
845-1GU05	1GU05	0.5A	19.42	17.48	15.74	14.16
845-1GU08	1GU08	0.8A	19.42	17.48	15.74	14.16
845-1GU1	1GU1	1.0A	19.42	17.48	15.74	14.16
845-1GU2	1GU2	2.0A	19.42	17.48	15.74	14.16
845-1GU3	1GU3	3.0A	19.42	17.48	15.74	14.16
845-1GU4	1GU4	4.0A	19.42	17.48	15.74	14.16
845-1GU5	1GU5	5.0A	19.42	17.48	15.74	14.16
845-1GU6	1GU6	6.0A	19.42	17.48	15.74	14.16
845-1GU8	1GU8	8.0A	19.42	17.48	15.74	14.16
845-1GU10	1GU10	10A	19.42	17.48	15.74	14.16
845-1GU12	1GU12	12A	19.42	17.48	15.74	14.16
845-1GU125	1GU125	12.5A	19.42	17.48	15.74	14.16
845-1GU13	1GU13	13A	19.42	17.48	15.74	14.16
845-1GU15	1GU15	15A	19.42	17.48	15.74	14.16
845-1GU16	1GU16	16A	19.42	17.48	15.74	14.16
845-1GU20	1GU20	20A	19.42	17.48	15.74	14.16
845-1GU25	1GU25	25A	19.42	17.48	15.74	14.16
845-1GU30	1GU30	30A	19.42	17.48	15.74	14.16
845-1GU32	1GU32	32A	19.42	17.48	15.74	14.16
845-1GU50	1GU50	50A	22.37	20.13	18.11	16.31
845-1GU60	1GU60	60A	23.00	20.70	18.63	16.77

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
Two Pole						
845-2GU03	2GU03	0.3A	43.37	39.03	35.12	31.62
845-2GU05	2GU05	0.5A	43.37	39.03	35.12	31.62
845-2GU08	2GU08	0.8A	43.37	39.03	35.12	31.62
845-2GU1	2GU1	1.0A	43.37	39.03	35.12	31.62
845-2GU2	2GU2	2.0A	43.37	39.03	35.12	31.62
845-2GU3	2GU3	3.0A	43.37	39.03	35.12	31.62
845-2GU4	2GU4	4.0A	43.37	39.03	35.12	31.62
845-2GU5	2GU5	5.0A	43.37	39.03	35.12	31.62
845-2GU6	2GU6	6.0A	40.54	36.48	32.84	29.55
845-2GU8	2GU8	8.0A	40.54	36.48	32.84	29.55
845-2GU10	2GU10	10A	40.54	36.48	32.84	29.55
845-2GU12	2GU12	12A	40.54	36.48	32.84	29.55
845-2GU125	2GU125	12.5A	40.54	36.48	32.84	29.55
845-2GU13	2GU13	13A	40.54	36.48	32.84	29.55
845-2GU15	2GU15	15A	40.54	36.48	32.84	29.55
845-2GU16	2GU16	16A	40.54	36.48	32.84	29.55
845-2GU20	2GU20	20A	41.58	37.42	33.68	30.31
845-2GU25	2GU25	25A	41.58	37.42	33.68	30.31
845-2GU30	2GU30	30A	43.37	39.03	35.12	31.62
845-2GU32	2GU32	32A	43.37	39.03	35.12	31.62
845-2GU50	2GU50	50A	54.08	48.67	43.81	39.43
845-2GU60	2GU60	60A	59.21	53.29	47.96	43.16

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
Three Pole						
845-3GU03	3GU03	0.3A	66.06	59.45	53.51	48.16
845-3GU05	3GU05	0.5A	66.06	59.45	53.51	48.16
845-3GU08	3GU08	0.8A	66.06	59.45	53.51	48.16
845-3GU1	3GU1	1.0A	66.06	59.45	53.51	48.16
845-3GU2	3GU2	2.0A	66.06	59.45	53.51	48.16
845-3GU3	3GU3	3.0A	66.06	59.45	53.51	48.16
845-3GU4	3GU4	4.0A	66.06	59.45	53.51	48.16
845-3GU5	3GU5	5.0A	66.06	59.45	53.51	48.16
845-3GU6	3GU6	6.0A	62.06	55.85	50.27	45.24
845-3GU8	3GU8	8.0A	62.06	55.85	50.27	45.24
845-3GU10	3GU10	10A	62.06	55.85	50.27	45.24
845-3GU12	3GU12	12A	62.06	55.85	50.27	45.24
845-3GU125	3GU125	12.5A	62.06	55.85	50.27	45.24
845-3GU13	3GU13	13A	62.06	55.85	50.27	45.24
845-3GU15	3GU15	15A	62.06	55.85	50.27	45.24
845-3GU16	3GU16	16A	62.06	55.85	50.27	45.24
845-3GU20	3GU20	20A	62.06	55.85	50.27	45.24
845-3GU25	3GU25	25A	62.06	55.85	50.27	45.24
845-3GU30	3GU30	30A	62.06	55.85	50.27	45.24
845-3GU32	3GU32	32A	62.06	55.85	50.27	45.24
845-3GU50	3GU50	50A	83.79	75.41	67.87	61.09
845-3GU60	3GU60	60A	90.71	81.64	73.47	66.12

Z - Characteristic

- Thermal one-hour trip zone 1.05-1.35 times rated current (RC): magnetic 100ms trip boundary 2 to 3 times RC.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
One Pole						
845-1ZU03	1ZU03	0.3A	28.98	26.08	23.48	21.13
845-1ZU05	1ZU05	0.5A	28.98	26.08	23.48	21.13
845-1ZU075	1ZU08	0.8A	29.98	26.08	23.48	21.13
845-1ZU1	1ZU1	1.0A	28.98	26.08	23.48	21.13
845-1ZU2	1ZU2	2.0A	28.98	26.08	23.48	21.13
845-1ZU3	1ZU3	3.0A	28.98	26.08	23.48	21.13
845-1ZU4	1ZU4	4.0A	28.98	26.08	23.48	21.13
845-1ZU5	1ZU5	5.0A	28.98	26.08	23.48	21.13
845-1ZU6	1ZU6	6.0A	28.98	26.08	23.48	21.13
845-1ZU8	1ZU8	8.0A	28.98	26.08	23.48	21.13
845-1ZU10	1ZU10	10A	26.67	24.01	21.60	19.44
845-1ZU12	1ZU12	12A	26.67	24.00	21.60	19.43
845-1ZU125	1ZU125	12.5A	26.67	24.01	21.60	19.44
845-1ZU13	1ZU13	13A	26.67	24.01	21.60	19.44
845-1ZU15	1ZU15	15A	26.67	24.01	21.60	19.44
845-1ZU16	1ZU16	16A	26.67	24.01	21.60	19.44
845-1ZU20	1ZU20	20A	26.67	24.01	21.60	19.44
845-1ZU25	1ZU25	25A	26.67	24.01	21.60	19.44
845-1ZU30	1ZU30	30A	26.67	24.01	21.60	19.44
845-1ZU32	1ZU32	32A	26.67	24.01	21.60	19.44
845-1ZU40	1ZU40	40A	25.40	22.86	20.57	18.51
845-1ZU50	1ZU50	50A	25.40	22.86	20.57	18.51

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
Two Pole						
845-2ZU03	2ZU03	0.3A	58.27	52.44	47.20	42.48
845-2ZU05	2ZU05	0.5A	58.27	52.44	47.20	42.48
845-2ZU075	2ZU08	0.8A	58.27	52.44	47.20	42.48
845-2ZU1	2ZU1	1.0A	58.29	52.46	47.22	42.49
845-2ZU2	2ZU2	2.0A	58.29	52.46	47.22	42.49
845-2ZU3	2ZU3	3.0A	58.29	52.46	47.22	42.49
845-2ZU4	2ZU4	4.0A	58.29	52.46	47.22	42.49
845-2ZU5	2ZU5	5.0A	58.29	52.46	47.22	42.49
845-2ZU6	2ZU6	6.0A	58.29	52.46	47.22	42.49
845-2ZU8	2ZU8	8.0A	58.29	52.46	47.22	42.49
845-2ZU10	2ZU10	10A	55.96	50.37	45.33	40.79
845-2ZU12	2ZU12	12A	55.96	50.37	45.33	40.79
845-2ZU125	2ZU125	12.5A	55.96	50.37	45.33	40.79
845-2ZU13	2ZU13	13A	55.96	50.37	45.33	40.79
845-2ZU15	2ZU15	15A	55.96	50.37	45.33	40.79
845-2ZU16	2ZU16	16A	55.96	50.37	45.33	40.79
845-2ZU20	2ZU20	20A	55.96	50.37	45.33	40.79
845-2ZU25	2ZU25	25A	55.96	50.37	45.33	40.79
845-2ZU30	2ZU30	30A	55.96	50.37	45.33	40.79
845-2ZU32	2ZU32	32A	55.96	50.37	45.33	40.79
845-2ZU40	2ZU40	40A	56.00	50.40	45.36	40.82
845-2ZU50	2ZU50	50A	65.00	58.50	52.65	47.39

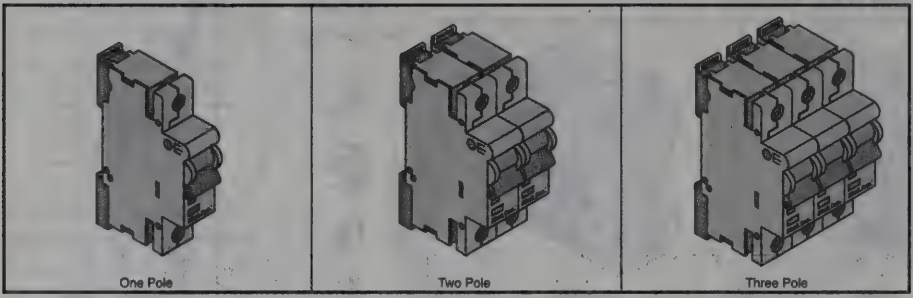
MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each			
			1	10	25	50
Three Pole						
845-3ZU03	3ZU03	0.3A	116.87	105.18	94.66	85.20
845-3ZU05	3ZU05	0.5A	116.87	105.18	94.66	85.20
845-3ZU075	3ZU08	0.8A	116.87	105.18	94.66	85.20
845-3ZU1	3ZU1	1.0A	116.87	105.18	94.66	85.20
845-3ZU2	3ZU2	2.0A	116.87	105.18	94.66	85.20
845-3ZU3	3ZU3	3.0A	116.87	105.18	94.66	85.20
845-3ZU4	3ZU4	4.0A	116.87	105.18	94.66	85.20
845-3ZU5	3ZU5	5.0A	116.87	105.18	94.66	85.20
845-3ZU6	3ZU6	6.0A	116.87	105.18	94.66	85.20
845-3ZU8	3ZU8	8.0A	116.87	105.18	94.66	85.20
845-3ZU10	3ZU10	10A	110.67	99.61	89.64	80.67
845-3ZU12	3ZU12	12A	110.67	99.61	89.64	80.67
845-3ZU125	3ZU125	12.5A	110.67	99.61	89.64	80.67
845-3ZU13	3ZU13	13A	110.67	99.61	89.64	80.67
845-3ZU15	3ZU15	15A	110.67	99.61	89.64	80.67
845-3ZU16	3ZU16	16A	110.67	99.61	89.64	80.67
845-3ZU20	3ZU20	20A	110.67	99.61	89.64	80.67
845-3ZU25	3ZU25	25A	110.67	99.61	89.64	80.67
845-3ZU30	3ZU30	30A	110.67	99.61	89.64	80.67
845-3ZU32	3ZU32	32A	110.67	99.61	89.64	80.67
845-3ZU40	3ZU40	40A	105.40	94.86	85.37	76.83
845-3ZU50	3ZU50	50A	105.40	94.86	85.37	76.83

ALTECH UL1077 DIN Rail Circuit Breakers

Altech Corp.®

RoHS Compliant This page of product is compliant.

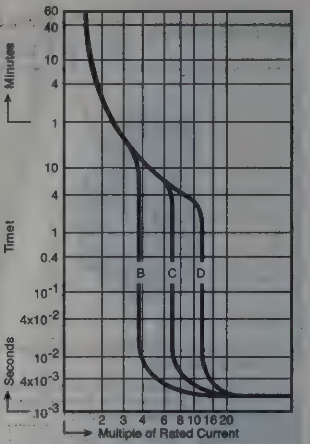
Altech Corp.® UL1077 R-SERIES SUPPLEMENTARY PROTECTORS



RoHS Compliant

CE

c UL us



Specifications:

- DIN rail mounted
- 17.5mm width
- Thermal magnetic
- 480Y/277V AC, 50/60Hz
- Short circuit withstand capacity 10kA
- Positive trip indicator (green - off/tripped, red - on)
- Applications (on the load side of branch circuit protection) Include: sensitive electronics (PLC, computers, Communication equipment, etc.), power supplies, appliance circuits, etc.

B - Characteristic

- Thermal one-hour trip zone 1.13-1.45 times rated current (RC): magnetic 100ms trip boundary 3 to 5 times RC.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
One Pole						
845-1BU1R	1BU1R	1.0A	10.11	9.10	8.19	7.37
845-1BU2R	1BU2R	2.0A	10.11	9.10	8.19	7.37
845-1BU3R	1BU3R	3.0A	10.11	9.10	8.19	7.37
845-1BU4R	1BU4R	4.0A	10.11	9.10	8.19	7.37
845-1BU5R	1BU5R	5.0A	10.11	9.10	8.19	7.37
845-1BU6R	1BU6R	6.0A	10.11	9.10	8.19	7.37
845-1BU8R	1BU8R	8.0A	10.11	9.10	8.19	7.37
845-1BU10R	1BU10R	10A	10.11	9.10	8.19	7.37
845-1BU12R	1BU12R	12A	10.11	9.10	8.19	7.37
845-1BU13R	1BU13R	13A	10.11	9.10	8.19	7.37
845-1BU15R	1BU15R	15A	10.11	9.10	8.19	7.37
845-1BU16R	1BU16R	16A	10.11	9.10	8.19	7.37
845-1BU20R	1BU20R	20A	10.11	9.10	8.19	7.37
845-1BU25R	1BU25R	25A	10.11	9.10	8.19	7.37
845-1BU30R	1BU30R	30A	10.11	9.10	8.19	7.37
845-1BU32R	1BU32R	32A	10.11	9.10	8.19	7.37
845-1BU40R	1BU40R	40A	10.11	9.10	8.19	7.37
845-1BU50R	1BU50R	50A	10.11	9.10	8.19	7.37
845-1BU60R	1BU60R	60A	10.11	9.10	8.19	7.37

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
Two Pole						
845-2BU1R	2BU1R	1.0A	20.20	18.19	16.37	14.73
845-2BU2R	2BU2R	2.0A	20.20	18.19	16.37	14.73
845-2BU3R	2BU3R	3.0A	20.20	18.19	16.37	14.73
845-2BU4R	2BU4R	4.0A	20.20	18.19	16.37	14.73
845-2BU5R	2BU5R	5.0A	20.20	18.19	16.37	14.73
845-2BU6R	2BU6R	6.0A	20.20	18.19	16.37	14.73
845-2BU8R	2BU8R	8.0A	20.20	18.19	16.37	14.73
845-2BU10R	2BU10R	10A	20.20	18.19	16.37	14.73
845-2BU12R	2BU12R	12A	20.20	18.19	16.37	14.73
845-2BU13R	2BU13R	13A	20.20	18.19	16.37	14.73
845-2BU15R	2BU15R	15A	20.20	18.19	16.37	14.73
845-2BU16R	2BU16R	16A	20.20	18.19	16.37	14.73
845-2BU20R	2BU20R	20A	20.20	18.19	16.37	14.73
845-2BU25R	2BU25R	25A	20.20	18.19	16.37	14.73
845-2BU30R	2BU30R	30A	20.20	18.19	16.37	14.73
845-2BU32R	2BU32R	32A	20.20	18.19	16.37	14.73
845-2BU40R	2BU40R	40A	20.20	18.19	16.37	14.73
845-2BU50R	2BU50R	50A	20.20	18.19	16.37	14.73
845-2BU60R	2BU60R	60A	20.20	18.19	16.37	14.73

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
Three Pole						
845-3BU1R	3BU1R	1.0A	30.31	27.27	24.54	22.08
845-3BU2R	3BU2R	2.0A	30.31	27.27	24.54	22.08
845-3BU3R	3BU3R	3.0A	30.31	27.27	24.54	23.00
845-3BU4R	3BU4R	4.0A	30.31	27.27	24.54	22.08
845-3BU5R	3BU5R	5.0A	30.31	27.27	24.54	23.00
845-3BU6R	3BU6R	6.0A	30.31	27.27	24.54	22.08
845-3BU8R	3BU8R	8.0A	30.31	27.27	24.54	23.00
845-3BU10R	3BU10R	10A	30.31	27.27	24.54	23.00
845-3BU12R	3BU12R	12A	30.31	27.27	24.54	22.08
845-3BU13R	3BU13R	13A	30.31	27.27	24.54	22.08
845-3BU15R	3BU15R	15A	30.31	27.27	24.54	23.00
845-3BU16R	3BU16R	16A	30.31	27.27	24.54	22.08
845-3BU20R	3BU20R	20A	30.31	27.27	24.54	22.08
845-3BU25R	3BU25R	25A	30.31	27.27	24.54	23.00
845-3BU30R	3BU30R	30A	30.31	27.27	24.54	23.00
845-3BU32R	3BU32R	32A	30.31	27.27	24.54	23.00
845-3BU40R	3BU40R	40A	30.31	27.27	24.54	22.08
845-3BU50R	3BU50R	50A	30.31	27.27	24.54	22.08
845-3BU60R	3BU60R	60A	30.31	27.27	24.54	23.00

C - Characteristic

- Thermal one-hour trip zone 1.13-1.45 times rated current (RC): magnetic 100ms trip boundary 5 to 10 times RC.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
One Pole						
845-1CU05R	1CU05R	0.5A	10.11	9.10	8.19	7.37
845-1CU1R	1CU1R	1.0A	10.11	9.10	8.19	7.37
845-1CU2R	1CU2R	2.0A	10.11	9.10	8.19	7.37
845-1CU3R	1CU3R	3.0A	10.11	9.10	8.19	7.37
845-1CU4R	1CU4R	4.0A	10.11	9.10	8.19	7.37
845-1CU5R	1CU5R	5.0A	10.11	9.10	8.19	7.37
845-1CU6R	1CU6R	6.0A	10.11	9.10	8.19	7.37
845-1CU8R	1CU8R	8.0A	10.11	9.10	8.19	7.37
845-1CU10R	1CU10R	10A	10.11	9.10	8.19	7.37
845-1CU12R	1CU12R	12A	10.11	9.10	8.19	7.37
845-1CU13R	1CU13R	13A	10.11	9.10	8.19	7.37
845-1CU15R	1CU15R	15A	10.11	9.10	8.19	7.37
845-1CU16R	1CU16R	16A	10.11	9.10	8.19	7.37
845-1CU20R	1CU20R	20A	10.11	9.10	8.19	7.37
845-1CU25R	1CU25R	25A	10.11	9.10	8.19	7.37
845-1CU30R	1CU30R	30A	10.11	9.10	8.19	7.37
845-1CU32R	1CU32R	32A	10.11	9.10	8.19	7.37
845-1CU50R	1CU50R	50A	10.11	9.10	8.19	7.37
845-1CU60R	1CU60R	60A	10.11	9.10	8.19	7.37

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
Two Pole						
845-2CU05R	2CU05R	0.5A	20.20	18.19	16.37	14.73
845-2CU1R	2CU1R	1.0A	20.20	18.19	16.37	14.73
845-2CU2R	2CU2R	2.0A	20.20	18.19	16.37	14.73
845-2CU3R	2CU3R	3.0A	20.20	18.19	16.37	14.73
845-2CU4R	2CU4R	4.0A	20.20	18.19	16.37	14.73
845-2CU5R	2CU5R	5.0A	20.20	18.19	16.37	14.73
845-2CU6R	2CU6R	6.0A	20.20	18.19	16.37	14.73
845-2CU8R	2CU8R	8.0A	20.20	18.19	16.37	14.73
845-2CU10R	2CU10R	10A	20.20	18.19	16.37	14.73
845-2CU12R	2CU12R	12A	20.20	18.19	16.37	14.73
845-2CU13R	2CU13R	13A	20.20	18.19	16.37	14.73
845-2CU15R	2CU15R	15A	20.20	18.19	16.37	14.73
845-2CU16R	2CU16R	16A	20.20	18.19	16.37	14.73
845-2CU20R	2CU20R	20A	20.20	18.19	16.37	14.73
845-2CU25R	2CU25R	25A	20.20	18.19	16.37	14.73
845-2CU30R	2CU30R	30A	20.20	18.19	16.37	14.73
845-2CU32R	2CU32R	32A	20.20	18.19	16.37	14.73
845-2CU50R	2CU50R	50A	20.20	18.19	16.37	14.73
845-2CU60R	2CU60R	60A	20.20	18.19	16.37	14.73

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
Three Pole						
845-3CU05R	3CU05R	0.5A	30.31	27.27	24.54	22.08
845-3CU1R	3CU1R	1.0A	30.31	27.27	24.54	22.08
845-3CU2R	3CU2R	2.0A	30.31	27.27	24.54	22.08
845-3CU3R	3CU3R	3.0A	30.31	27.27	24.54	22.08
845-3CU4R	3CU4R	4.0A	30.31	27.27	24.54	23.00
845-3CU5R	3CU5R	5.0A	30.31	27.27	24.54	22.08
845-3CU6R	3CU6R	6.0A	30.31	27.27	24.54	22.08
845-3CU8R	3CU8R	8.0A	30.31	27.27	24.54	23.00
845-3CU10R	3CU10R	10A	30.31	27.27	24.54	22.08
845-3CU12R	3CU12R	12A	30.31	27.27	24.54	23.00
845-3CU13R	3CU13R	13A	30.31	27.27	24.54	22.08
845-3CU15R	3CU15R	15A	30.31	27.27	24.54	23.00
845-3CU16R	3CU16R	16A	30.31	27.27	24.54	22.08
845-3CU20R	3CU20R	20A	30.31	27.27	24.54	23.00
845-3CU25R	3CU25R	25A	30.31	27.27	24.54	22.08
845-3CU30R	3CU30R	30A	30.31	27.27	24.54	23.00
845-3CU32R	3CU32R	32A	30.31	27.27	24.54	22.08
845-3CU50R	3CU50R	50A	30.31	27.27	24.54	22.08
845-3CU60R	3CU60R	60A	30.31	27.27	24.54	22.08

D - Characteristic

- Thermal one-hour trip zone 1.13-1.45 times rated current (RC): magnetic 100ms trip boundary 10 to 20 times RC.

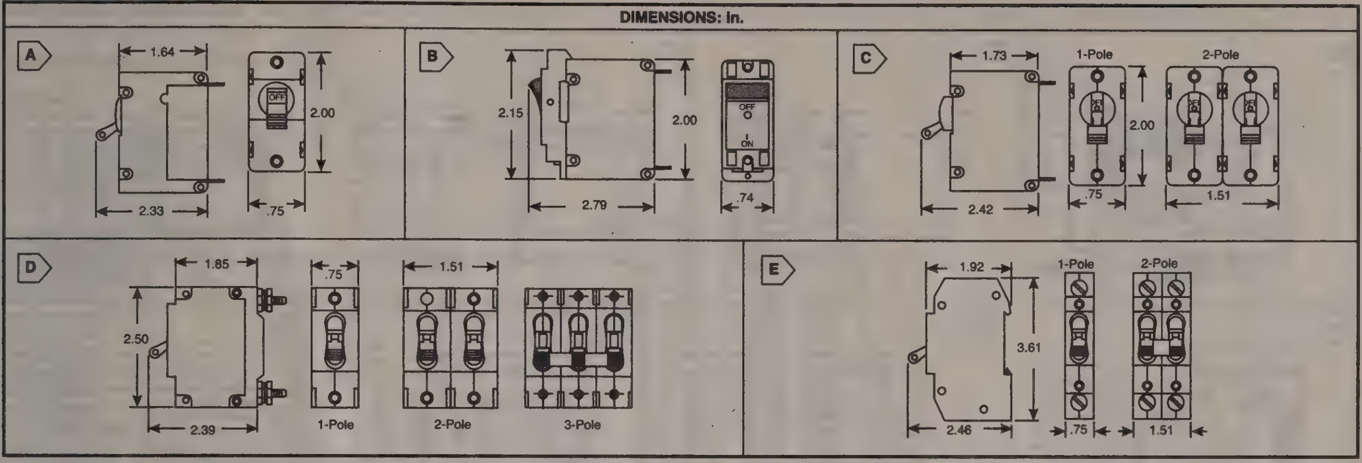
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
One Pole						
845-1DU05R	1DU05R	0.5A	10.11	9.10	8.19	7.37
845-1DU1R	1DU1R	1.0A	10.11	9.10	8.19	7.37
845-1DU2R	1DU2R	2.0A	10.11	9.10	8.19	7.37
845-1DU3R	1DU3R	3.0A	10.11	9.10	8.19	7.37
845-1DU4R	1DU4R	4.0A	10.11	9.10	8.19	7.37
845-1DU5R	1DU5R	5.0A	10.11	9.10	8.19	7.37
845-1DU6R	1DU6R	6.0A	10.11	9.10	8.19	7.37
845-1DU8R	1DU8R	8.0A	10.11	9.10	8.19	7.37
845-1DU10R	1DU10R	10A	10.11	9.10	8.19	7.37
845-1DU12R	1DU12R	12A	10.11	9.10	8.19	7.37
845-1DU13R	1DU13R	13A	10.11	9.10	8.19	7.37
845-1DU15R	1DU15R	15A	10.11	9.10	8.19	7.37
845-1DU16R	1DU16R	16A	10.11	9.10	8.19	7.37
845-1DU20R	1DU20R	20A	10.11	9.10	8.19	7.37
845-1DU25R	1DU25R	25A	10.11	9.10	8.19	7.37
845-1DU30R	1DU30R	30A	10.11	9.10	8.19	7.37
845-1DU32R	1DU32R	32A	10.11	9.10	8.19	7.37
845-1DU40R	1DU40R	40A	10.11	9.10	8.19	7.37
845-1DU50R	1DU50R	50A	10.11	9.10	8.19	7.37
845-1DU60R	1DU60R	60A	10.11	9.10	8.19	7.37

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
Two Pole						
845-2DU05R	2DU05R	0.5A	20.20	18.19	16.37	14.73
845-2DU1R	2DU1R	1.0A	20.20	18.19	16.37	14.73
845-2DU2R	2DU2R	2.0A	20.20	18.19	16.37	14.73
845-2DU3R	2DU3R	3.0A	20.20	18.19	16.37	14.73
845-2DU4R	2DU4R	4.0A	20.20	18.19	16.37	14.73
845-2DU5R	2DU5R	5.0A	20.20	18.19	16.37	14.73
845-2DU6R	2DU6R	6.0A	20.20	18.19	16.37	14.73
845-2DU8R	2DU8R	8.0A	20.20	18.19	16.37	14.73
845-2DU10R	2DU10R	10A	20.20	18.19	16.37	14.73
845-2DU12R	2DU12R	12A	20.20	18.19	16.37	14.73
845-2DU13R	2DU13R	13A	20.20	18.19	16.37	14.73
845-2DU15R	2DU15R	15A	20.20	18.19	16.37	14.73
845-2DU16R	2DU16R	16A	20.20	18.19	16.37	14.73
845-2DU20R	2DU20R	20A	20.20	18.19	16.37	14.73
845-2DU25R	2DU25R	25A	20.20	18.19	16.37	14.73
845-2DU30R	2DU30R	30A	20.20	18.19	16.37	14.73
845-2DU32R	2DU32R	32A	20.20	18.19	16.37	14.73
845-2DU40R	2DU40R	40A	20.20	18.19	16.37	14.73
845-2DU50R	2DU50R	50A	20.20	18.19	16.37	14.73
845-2DU60R	2DU60R	60A	20.20	18.19	16.37	14.73

MOUSER STOCK NO.	Altech Part No.	Rated Current	Price Each 1	10	25	50
Three Pole						
845-3DU05R	3DU05R	0.5A	30.31	27.27	24.54	22.08
845-3DU1R	3DU1R	1.0A	30.31	27.27	24.54	23.00
845-3DU2R	3DU2R	2.0A	30.31	27.27	24.54	22.08
845-3DU3R	3DU3R	3.0A	30.31	27.27	24.54	22.08
845-3DU4R	3DU4R	4.0A	30.31	27.27	24.54	22.08
845-3DU5R	3DU5R	5.0A	30.31	27.27	24.54	22.08
845-3DU6R	3DU6R	6.0A	30.31	27.27	24.54	22.08
845-3DU8R	3DU8R	8.0A	30.31	27.27	24.54	22.08
845-3DU10R	3DU10R	10A	30.31	27.27	24.54	22.08
845-3DU12R	3DU12R	12A	30.31	27.27	24.54	23.00
845-3DU13R	3DU13R	13A	30.31	27.27	24.54	22.08
845-3DU15R	3DU15R	15A	30.31	27.27	24.54	23.00
845-3DU16R	3DU16R	16A	30.31	27.27	24.54	22.08
845-3DU20R	3DU20R	20A	30.31	27.27	24.54	23.00
845-3DU25R	3DU25R	25A	30.31	27.28	24.55	22.09
845-3DU30R	3DU30R	30A	30.31	27.27	24.54	22.08
845-3DU32R	3DU32R	32A	30.31	27.27	24.54	22.08
845-3DU40R	3DU40R	40A	30.31	27.27	24.54	22.08
845-3DU50R	3DU50R	50A	30.31	27.27	24.54	22.08
845-3DU60R	3DU60R	60A	30.31	27.27	24.54	23.00

DIMENSIONS: In.



CARLING A SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current)
- Poles: One
- Frequency & Delay: DC, 50/60Hz Medium
- Actuator/Legend color: Black/White
- Terminal: 10-30 A rating - Screw 8-32 (bus type); 50 A rating - Screw 10-32 (bus type)
- Mounting: Threaded insert 6-32 x 0.195" deep, 2/pole

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-AA1B0346103B1C	AA1-B0-34-610-3B1-C	A	10 A	20.90	15.05	13.79	12.12
691-AA1B0346153B1C	AA1-B0-34-615-3B1-C	A	15 A	20.90	15.05	13.79	12.12
691-AA1B0346203B1C	AA1-B0-34-620-3B1-C	A	20 A	20.90	15.05	13.79	12.12
691-AA1B0346253B1C	AA1-B0-34-625-3B1-C	A	25 A	20.90	15.05	13.79	12.12
691-AA1B0346303B1C	AA1-B0-34-630-3B1-C	A	30 A	20.90	15.05	13.79	12.12
691-AA1B0346505B1C	AA1-B0-34-650-5B1-C	A	50 A	20.90	15.05	13.79	12.12

CARLING A SERIES: CIRCUIT BREAKERS WITH VISI-ROCKER® ACTUATOR

- Type: Hydraulic/Magnetic
- Dual-color rocker actuator indicates either ON mode for AC1 items or TRIPPED/OFF mode for AF1 items
- Indicator/Legend Color: Red
- Rocker color: Black
- Circuit: Series Trip (Current)
- Poles: One
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Mounting: Thread Insert 6-32 x 0.195" deep
- Approvals: D suffix - UL Rec.; CSA & VDE Certified
- C suffix: UL Recognized; CSA Certified

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-AC1B034610131D	AC1-B0-34-610-131-D	B	10 A	24.08	17.33	15.89	13.96
691-AC1B034615131D	AC1-B0-34-615-131-D	B	15 A	24.08	17.33	15.89	13.96
691-AC1B034620131D	AC1-B0-34-620-131-D	B	20 A	24.08	17.33	15.89	13.96
691-AC1B034630131D	AC1-B0-34-630-131-D	B	30 A	24.08	17.33	15.89	13.96
691-AC1B0344501G1C	AC1-B0-34-450-1G1-C	B	5 A	24.08	17.33	15.89	13.96
691-AC1B0346101G1C	AC1-B0-34-610-1G1-C	B	10 A	24.08	17.33	15.89	13.96
691-AC1B0346151G1C	AC1-B0-34-615-1G1-C	B	15 A	24.08	17.33	15.89	13.96
691-AC1B0346201G1C	AC1-B0-34-620-1G1-C	B	20 A	24.08	17.33	15.89	13.96
691-AC1B0346251G1C	AC1-B0-34-625-1G1-C	B	25 A	24.08	17.33	15.89	13.96
691-AC1B0346301G1C	AC1-B0-34-630-1G1-C	B	30 A	24.08	17.33	15.89	13.96
691-AF1B0346201G1C	AF1-B0-34-620-1G1-C	B	20 A	24.08	17.33	15.89	13.96
691-AF1B0346251G1C	AF1-B0-34-625-1G1-C	B	25 A	24.08	17.33	15.89	13.96
691-AF1B0346301G1C	AF1-B0-34-630-1G1-C	B	30 A	24.08	17.33	15.89	13.96

CARLING B SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

- Type: Hydraulic/Magnetic
- Actuator: Handle, one per pole
- Poles: BA1 - 1 pole; BA2 - 2 poles
- Circuit: Series Trip (Current)
- Actuator/Legend color: Black/White
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Approvals: D suffix - UL Recognized; CSA & VDE Certified
- C suffix: UL Recognized; CSA Certified

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-BA1B034425121D	BA1-B0-34-425-121-D	C	2.5 A	19.40	13.97	12.80	11.25
691-BA1B034450121D	BA1-B0-34-450-121-D	C	5 A	19.40	13.97	12.80	11.25
691-BA1B034610121D	BA1-B0-34-610-121-D	C	10 A	19.40	13.97	12.80	11.25
691-BA1B034615121D	BA1-B0-34-615-121-D	C	15 A	19.40	13.97	12.80	11.25
691-BA1B034620121D	BA1-B0-34-620-121-D	C	20 A	19.40	13.97	12.80	11.25
691-BA1B034630121C	BA1-B0-34-630-121-C	C	30 A	19.40	13.97	12.80	11.25
691-BA2B034425121D	BA2-B0-34-425-121-D	C	2.5 A	49.58	35.69	32.72	28.75
691-BA2B034450121D	BA2-B0-34-450-121-D	C	5 A	49.58	35.69	32.72	28.75
691-BA2B034610121D	BA2-B0-34-610-121-D	C	10 A	49.58	35.69	32.72	28.75
691-BA2B034615121D	BA2-B0-34-615-121-D	C	15 A	49.58	35.69	32.72	28.75
691-BA2B034620121D	BA2-B0-34-620-121-D	C	20 A	49.58	35.69	32.72	28.75
691-BA2B034630121C	BA2-B0-34-630-121-C	C	30 A	49.58	35.69	32.72	28.75

CARLING C SERIES: CIRCUIT BREAKERS WITH HANDLE ACTUATOR

- Type: Hydraulic/Magnetic
- Max. interrupting capacity: 10,000 Amps
- Circuit: Series Trip (Current)
- Poles: CA1 - 1 pole; CA2 - 2 poles
- Actuator/Legend color: Black/White
- Frequency and Delay: DC, 50/60Hz Medium
- Actuator: Handle, 1 per pole
- Terminal: 10-32 THD Stud, .625 long
- Voltage: <300
- Approvals: All - UL489 listed; UL Recognized; CSA & VDE Certified

Designed for applications requiring higher amperage and voltage handling capabilities.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-CA1B034450121D	CA1-B0-34-450-121-D	D	5 A	24.28	17.48	16.02	14.08
691-CA1B034610121D	CA1-B0-34-610-121-D	D	10 A	24.27	17.47	16.02	14.08
691-CA1B034615121D	CA1-B0-34-615-121-D	D	15 A	24.28	17.48	16.02	14.08
691-CA1B034620121D	CA1-B0-34-620-121-D	D	20 A	24.28	17.48	16.02	14.08
691-CA1B034630121D	CA1-B0-34-630-121-D	D	30 A	24.28	17.48	16.02	14.08
691-CA1B034640121D	CA1-B0-34-640-121-D	D	40 A	24.28	17.48	16.02	14.08
691-CA1B034650121D	CA1-B0-34-650-121-D	D	50 A	24.28	17.48	16.02	14.08
691-CA2B034450121D	CA2-B0-34-450-121-D	D	5 A	66.55	47.92	43.92	38.60
691-CA2B034610121D	CA2-B0-34-610-121-D	D	10 A	66.55	47.92	43.92	38.60
691-CA2B034615121D	CA2-B0-34-615-121-D	D	15 A	66.55	47.92	43.92	38.60
691-CA2B034620121D	CA2-B0-34-620-121-D	D	20 A	66.55	47.92	43.92	38.60
691-CA2B034630121D	CA2-B0-34-630-121-D	D	30 A	66.55	47.92	43.92	38.60
691-CA2B034640121D	CA2-B0-34-640-121-D	D	40 A	66.55	47.92	43.92	38.60
691-CA2B034650121D	CA2-B0-34-650-121-D	D	50 A	66.55	47.92	43.92	38.60
691-CA3B034450121D	CA3-B0-34-450-121-D	D	5 A	105.00	75.60	69.30	60.90
691-CA3B034610121D	CA3-B0-34-610-121-D	D	10 A	105.00	75.60	69.30	60.90
691-CA3B034615121D	CA3-B0-34-615-121-D	D	15 A	105.00	75.60	69.30	60.90
691-CA3B034620121D	CA3-B0-34-620-121-D	D	20 A	105.00	75.60	69.30	60.90
691-CA3B034630121D	CA3-B0-34-630-121-D	D	30 A	105.00	75.60	69.30	60.90
691-CA3B034640121D	CA3-B0-34-640-121-D	D	40 A	105.00	75.60	69.30	60.90
691-CA3B034650121D	CA3-B0-34-650-121-D	D	50 A	105.00	75.60	69.30	60.90

C-Series with Push-In Stud Terminals Removal Tool

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Description	Price Each
691-8C1-X0-08-639	8C1-X0-08-639	Removal Tool, C Series	11.00

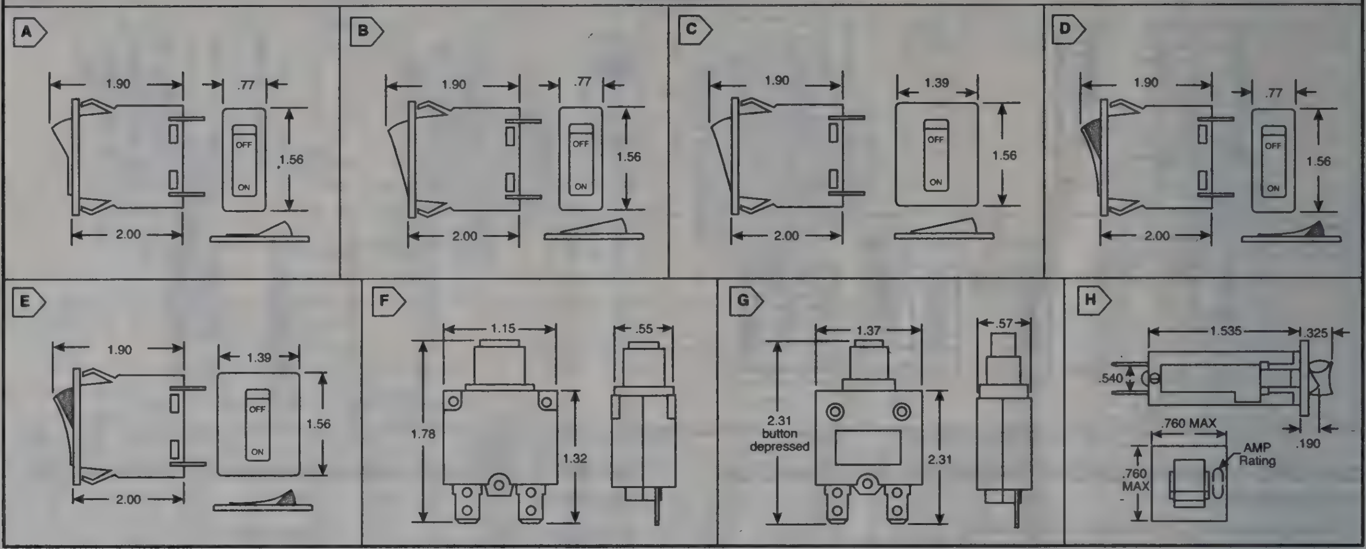
CARLING D SERIES: DIN RAIL MOUNT CIRCUIT BREAKERS

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current)
- Poles: DA1 - 1 pole; DA2 - 2 poles
- Actuator/Legend color: Black/White
- Actuator: Handle, one per pole
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Captured #10 Screw & Pressure Plate for Direct Wire or Fork Terminal Connection.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	10	25	50
691-DA1B034450121C	DA1-B0-34-450-121-C	E	5 A	28.33	20.39	18.69	16.43
691-DA1B034610121C	DA1-B0-34-610-121-C	E	10 A	28.33	20.39	18.69	16.43
691-DA1B034615121C	DA1-B0-34-615-121-C	E	15 A	28.33	20.39	18.69	16.43
691-DA1B034620121C	DA1-B0-34-620-121-C	E	20 A	28.33	20.39	18.69	16.43
691-DA2B034450121C	DA2-B0-34-450-121-C	E	5 A	74.58	53.69	49.22	43.25
691-DA2B034610121C	DA2-B0-34-610-121-C	E	10 A	74.58	53.69	49.22	43.25
691-DA2B034615121C	DA2-B0-34-615-121-C	E	15 A	74.58	53.69	49.22	43.25
691-DA2B034620121C	DA2-B0-34-620-121-C	E	20 A	74.58	53.69	49.22	43.25

DIMENSIONS: in.



CARLING M SERIES: MINIATURE CIRCUIT BREAKERS

- Type: Hydraulic/Magnetic
- Circuit: Series Trip (Current Coil)
- Actuator/Legend color: Black/White
- Snap-in front panel mounting
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- Bezel Color: Black

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Pole	Coil Rating	Price Each			
					1	10	25	50
691-MA1B344501A26BC	MA1-B-34-450-1-A26-B-C	A	1	5 A	18.53	13.34	12.23	10.74
691-MA1B346101A26BC	MA1-B-34-610-1-A26-B-C	A	1	10 A	18.53	13.34	12.23	10.74
691-MA1B346151A26BC	MA1-B-34-615-1-A26-B-C	A	1	15 A	18.53	13.34	12.23	10.74
691-MA1B346201A26BC	MA1-B-34-620-1-A26-B-C	A	1	20 A	18.53	13.34	12.23	10.74
691-MA1B346251A26BC	MA1-B-34-625-1-A26-B-C	A	1	25 A	18.53	13.34	12.23	10.74
691-MA1B344501A12BC	MA1-B-34-450-1-A12-B-C	A	1	5 A	18.53	13.34	12.23	10.74
691-MA1B344751A12BC	MA1-B-34-475-1-A12-B-C	A	1	7.5 A	18.53	13.34	12.23	10.74
691-MA1B346101A12BC	MA1-B-34-610-1-A12-B-C	A	1	10 A	18.53	13.34	12.23	10.74
691-MA1B346151A12BC	MA1-B-34-615-1-A12-B-C	A	1	15 A	18.53	13.34	12.23	10.74
691-MA1B346201A12BC	MA1-B-34-620-1-A12-B-C	A	1	20 A	18.53	13.34	12.23	10.74
691-MA1B346251A12BC	MA1-B-34-625-1-A12-B-C	A	1	25 A	18.53	13.34	12.23	10.74
691-MB1B344501A26BC	MB1-B-34-450-1-A26-B-C	B	1	5 A	18.53	13.34	12.23	10.74
691-MB1B346101A26BC	MB1-B-34-610-1-A26-B-C	B	1	10 A	18.53	13.34	12.23	10.74
691-MB1B346151A26BC	MB1-B-34-615-1-A26-B-C	B	1	15 A	18.53	13.34	12.23	10.74
691-MB1B346201A26BC	MB1-B-34-620-1-A26-B-C	B	1	20 A	18.53	13.34	12.23	10.74
691-MB1B346251A26BC	MB1-B-34-625-1-A26-B-C	B	1	25 A	18.53	13.34	12.23	10.74
691-MB1B344501A27BC	MB1-B-34-450-1-A27-B-C	B	1	5 A	18.53	13.34	12.23	10.74
691-MB1B346101A27BC	MB1-B-34-610-1-A27-B-C	B	1	10 A	18.53	13.34	12.23	10.74
691-MB1B346151A27BC	MB1-B-34-615-1-A27-B-C	B	1	15 A	18.53	13.34	12.23	10.74
691-MB1B346201A27BC	MB1-B-34-620-1-A27-B-C	B	1	20 A	18.53	13.34	12.23	10.74
691-MB1B346251A27BC	MB1-B-34-625-1-A27-B-C	B	1	25 A	18.53	13.34	12.23	10.74
691-MB2B344201A24BC	MB2-B-34-420-1-A24-B-C	C	2	2 A	39.80	28.66	26.27	23.08
691-MB2B344701A24BC	MB2-B-34-470-1-A24-B-C	C	2	7 A	39.80	28.66	26.27	23.08
691-MB2B346101A24BC	MB2-B-34-610-1-A24-B-C	C	2	10 A	39.80	28.66	26.27	23.08
691-MB2B346151A24BC	MB2-B-34-615-1-A24-B-C	C	2	15 A	39.80	28.66	26.27	23.08
691-MB2B346101A27BC	MB2-B-34-610-1-A27-B-C	C	2	10 A	39.80	28.66	26.27	23.08
691-MB2B346151A27BC	MB2-B-34-615-1-A27-B-C	C	2	15 A	39.80	28.66	26.27	23.08
691-MB2B346201A27BC	MB2-B-34-620-1-A27-B-C	C	2	20 A	39.80	28.66	26.27	23.08
691-MB2B346251A27BC	MB2-B-34-625-1-A27-B-C	C	2	25 A	39.80	28.66	26.27	23.08

CARLING M SERIES: MINIATURE CIRCUIT BREAKERS WITH VISI-ROCKER® AND ILLUMINATED ROCKER

- Type: Hydraulic/Magnetic
- Dual-color rocker actuator indicates ON mode.
- Snap-in front panel mounting
- Circuit: Series Trip (Current Coil)
- Frequency and Delay: DC, 50/60Hz Medium
- Terminal: Push-On 0.250 Tab (Q.C.)
- (Visi-Rocker) Indicator/Legend Color: Red
- (Visi-Rocker) color: Black
- (Visi-Rocker) Bezel Color: Black
- (Illuminated Rocker) color: Transparent red
- (Illuminated Rocker) illumination: Red LED (w/o resistor)
- (Illuminated Rocker) guard color: Gray

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Pole	Coil Rating	Price Each			
					1	10	25	50
Visi-Rocker								
691-MD1B346151A36BC	MD1-B-34-615-1-A36-B-C	D	1	15 A	21.70	15.62	14.32	12.59
691-MD2B346101A36BC	MD2-B-34-610-1-A36-B-C	E	2	10 A	41.50	29.88	27.39	24.07
691-MD2B346151A36BC	MD2-B-34-615-1-A36-B-C	E	2	15 A	41.50	29.88	27.39	24.07
Illuminated Rocker								
691-MF1B346101DB7BC	MF1-B-34-610-1-DB7-B-C	A	1	10 A	26.63	19.17	17.57	15.44
691-MF1B346151DB7BC	MF1-B-34-615-1-DB7-B-C	A	1	15 A	26.63	19.17	17.57	15.44
691-MF1B346201DB7BC	MF1-B-34-620-1-DB7-B-C	A	1	20 A	26.63	19.17	17.57	15.44

CARLING CMB SERIES: THERMAL CIRCUIT PROTECTORS WITH PLASTIC BUSHING

c UL us TUV

Specifications:

- Dielectric Strength: 1500 VAC/ 1 minute
- Interrupting Capacity: 1000 amps
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100MΩ
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Telecommunications
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Carling Technologies Part No.	Fig.	Coil Rating	Price Each			
				1	25	50	100
691-CMB03311C3NBA	CMB-033-11-C-3-N-B-A	F	3 A	4.11	3.06	2.91	2.54
691-CMB04311C3NBA	CMB-043-11-C-3-N-B-A	F	4 A	4.11	3.06	2.91	2.54
691-CMB05311C3NBA	CMB-053-11-C-3-N-B-A	F	5 A	4.11	3.06	2.91	2.54
691-CMB06311C3NBA	CMB-063-11-C-3-N-B-A	F	6 A	2.96	2.21	2.10	1.83
691-CMB07311C3NBA	CMB-073-11-C-3-N-B-A	F	7 A	2.96	2.21	2.10	1.83
691-CMB10311C3NBA	CMB-103-11-C-3-N-B-A	F	10 A	2.36	1.76	1.67	1.46
691-CMB12311C3NBA	CMB-123-11-C-3-N-B-A	F	12 A	2.36	1.76	1.67	1.46
691-CMB13311C3NBA	CMB-133-11-C-3-N-B-A	F	13 A	2.49	1.86	1.77	1.54
691-CMB14311C3NBA	CMB-143-11-C-3-N-B-A	F	14 A	2.49	1.86	1.77	1.54
691-CMB15311C3NBA	CMB-153-11-C-3-N-B-A	F	15 A	2.49	1.86	1.77	1.54
691-CMB16311C3NBA	CMB-163-11-C-3-N-B-A	F	16 A	2.22	1.66	1.58	1.37
691-CMB20311C3NBA	CMB-203-11-C-3-N-B-A	F	20 A	2.76	2.06	1.96	1.71

CARLING CLB SERIES: THERMAL CIRCUIT PROTECTORS WITH METAL BUSHING

c UL us TUV

Specifications:

- Dielectric Strength: 1500 VAC/ 1 minute
- Interrupting Capacity: 1000 amps
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100MΩ
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Telecommunications
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies

For quantities of 500 and up, call for quote.

691-CLB03311B3ABA	CLB-033-11-B-3-A-B-A	G	3 A	4.38	3.26	3.11	2.71
691-CLB04311B3ABA	CLB-043-11-B-3-A-B-A	G	4 A	4.38	3.26	3.11	2.71
691-CLB05311B3ABA	CLB-053-11-B-3-A-B-A	G	5 A	4.38	3.26	3.11	2.71
691-CLB06311B3ABA	CLB-063-11-B-3-A-B-A	G	6 A	3.37	2.51	2.39	2.08
691-CLB07311B3ABA	CLB-073-11-B-3-A-B-A	G	7 A	3.37	2.51	2.39	2.08
691-CLB10311B3ABA	CLB-103-11-B-3-A-B-A	G	10 A	2.76	2.06	1.96	1.71
691-CLB12311B3ABA	CLB-123-11-B-3-A-B-A	G	12 A	2.76	2.06	1.96	1.71
691-CLB13311B3ABA	CLB-133-11-B-3-A-B-A	G	13 A	2.76	2.06	1.96	1.71
691-CLB15311B3ABA	CLB-153-11-B-3-A-B-A	G	15 A	2.49	1.86	1.77	1.54
691-CLB20311B3ABA	CLB-203-11-B-3-A-B-A	G	20 A	3.17	2.36	2.25	1.96
691-CLB25311B3ABA	CLB-253-11-B-3-A-B-A	G	25 A	3.44	2.56	2.44	2.12
691-CLB30311B3ABA	CLB-303-11-B-3-A-B-A	G	30 A	3.44	2.56	2.44	2.12
691-CLB35311B3ABA	CLB-353-11-B-3-A-B-A	G	35 A	3.44	2.56	2.44	2.12
691-CLB40311B3ABA	CLB-403-11-B-3-A-B-A	G	40 A	4.24	3.16	3.01	2.62

CARLING CTB SERIES: PANEL MOUNT ROCKER THERMAL CIRCUIT PROTECTORS

c UL us TUV

Specifications:

- Dielectric Strength: 1500 VAC/ 1 minute
- Interrupting Capacity: 1000 amps
- Resettable Overload Capacity: 10 x rated current
- Insulation Resistance: 100M Ω
- Operating Temperature: -10°C to 60°C

Applications:

- Appliances
- Transportation
- Marine
- Power Strips
- A-V Equipment
- Medical Equipment
- Power Supplies
- Exercise Equipment

For quantities of 500 and up, call for quote.

691-CTB-B-B-03	CTB-B-B-03	H	3 A	2.36	1.76	1.67	1.46
691-CTB-B-B-05	CTB-B-B-05	H	5 A	2.36	1.76	1.67	1.46
691-CTB-B-B-06	CTB-B-B-06	H	6 A	2.36	1.76	1.67	1.46
691-CTB-B-B-07	CTB-B-B-07	H	7 A	2.36	1.76	1.67	1.46
691-CTB-B-B-08	CTB-B-B-08	H	8 A	2.36	1.76	1.67	1.46
691-CTB-B-B-10	CTB-B-B-10	H	10 A	2.36	1.76	1.67	1.46
691-CTB-B-B-12	CTB-B-B-12	H	12 A	2.36	1.76	1.67	1.46
691-CTB-B-B-15	CTB-B-B-15	H	15 A	2.36	1.76	1.67	1.46

PHOENIX CONTACT DIN Rail Circuit Breakers

PHOENIX CONTACT
INSPIRING INNOVATIONS

THERMAL MINIATURE CIRCUIT BREAKERS, TCP

TCP Pushbutton Circuit Breakers

Features:
- Can be switched back on after tripping
- Can be used for switching purposes
- Plugs into DIN Rail terminal blocks (listed below)
- Values can be swapped quickly for testing
- No searching for replacement fuses
- Pluggable Circuit Breakers

Specifications:
- Rated Surge Voltage: 2.5 kV
- Max Amperage: 0.25-4A Types is 6x Rated Current
  6-10A Types is 8x Rated Current
- Contamination Class: 2
- Color: Black

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Nominal Voltage	Operating Temperature	Price Each		
						1	5	10
651-0712123	A	TCP 0.25	0.25A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0712152	A	TCP 0.5	.5A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0712194	A	TCP 1	1A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0712217	A	TCP 2	2A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0712233	A	TCP 3	3A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0712259	A	TCP 4	4A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0712275	A	TCP 6	6A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0712291	A	TCP 8	8A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0712314	A	TCP 10	10A	250VAC/ 65VDC	-20° to 60°C	9.72	9.10	8.69
651-0803595	-	ZBFM 5/WH:UNPRINTED	White Unprinted Labels (10 strips of 12)			6.65	6.22	5.94

TCP Terminal Blocks

Features:
- Mounts to standard 35mm DIN Rails
- Use with TCP push button circuit breakers
- Can be used with Automotive Type Fuses
- Bridgeable

Specifications:
- Color: Black
- Max Current: 30A
- Max Voltage: 300V

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Terminal Width	Connection Type	AWG	Price Each		
						1	5	10
651-3118203	B	UK 6-FSI/C	8.2mm	Screw-Clamp	26-8	5.99	5.61	5.36
651-3036372	C	ST 4-FSI/C	8.2mm	Spring-Cage	24-10	3.89	3.64	3.48
651-1052002	-	ZB 8: UNPRINTED	White Unprinted Labels (1 strip of 10)			.88	.77	.70

THERMO MAGNETIC CIRCUIT BREAKERS

TMC1 Thermo Magnetic Circuit Breaker - Switch Type

Features:
- Direct DIN Rail Mount (Universal Mounting Foot)
- 1-Position main current path with 1 N/O status contact
- Screw Clamp Connection

Specifications:
- Housing Width: 12.5mm
- AWG: 24-10
- Typical Life: 10,000 Operations
- Color: Black

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage	Operating Temperature	Price Each		
						1	5	10
651-5531370	D	TMC 1 M1 100 0.5A	.5A	250VAC/ 65VDC	-10° to 60°C	52.91	49.55	47.30
651-5531723	D	TMC 1 M1 100 1.0A	1A	250VAC/ 65VDC	-10° to 60°C	52.91	49.55	47.30
651-5531820	D	TMC 1 M1 100 2.0A	2A	250VAC/ 65VDC	-10° to 60°C	52.91	49.55	47.30
651-5530931	D	TMC 1 M1 100 5.0A	5A	250VAC/ 65VDC	-10° to 60°C	52.91	49.55	47.30
651-5531037	D	TMC 1 M1 100 8.0A	8A	250VAC/ 65VDC	-10° to 60°C	52.91	49.55	47.30
651-5531862	D	TMC 1 M1 100 10.0A	10A	250VAC/ 65VDC	-10° to 60°C	52.91	49.55	47.30
651-5510757	D	TMC 1 M1 100 15A	15A	250VAC/ 65VDC	-10° to 60°C	52.91	49.55	47.30

TMC42 Thermo Magnetic Circuit Breaker - Pushbutton Type

Features:
- Direct DIN Rail Mount (Universal Mounting Foot)
- Screw Clamp Connection

Specifications:
- Housing Width: 12.5mm
- AWG: 24-10
- Typical Life: 5000 Operations
- Color: Black

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage	Operating Temperature	Price Each		
						1	5	10
651-5650106	E	TMC 42-01-0.5A	.5A	250VAC/ 80VDC	-10° to 60°C	35.28	33.04	31.53
651-5650108	E	TMC 42-01-1.0A	1A	250VAC/ 80VDC	-10° to 60°C	35.28	33.04	31.53
651-5600314	E	TMC 42-01-2.0A	2A	250VAC/ 80VDC	-10° to 60°C	35.28	33.04	31.53
651-5531082	E	TMC 42-01-5.0A	5A	250VAC/ 80VDC	-10° to 60°C	35.28	33.04	31.53
651-5650120	E	TMC 42-01-8.0A	8A	250VAC/ 80VDC	-10° to 60°C	35.28	33.04	31.53
651-5650121	E	TMC 42-01-10A	10A	250VAC/ 80VDC	-10° to 60°C	35.28	33.04	31.53
651-5600310	E	TMC 42-01-15A	15A	250VAC/ 80VDC	-10° to 60°C	35.28	33.04	31.53

TMC91 Thermo Magnetic Circuit Breaker - Switch Type

Features:
- Direct DIN Rail Mount (Universal Mounting Foot)
- S-Type CBE according to IEC 934
- VDE, EN, UL and CSA Approvals

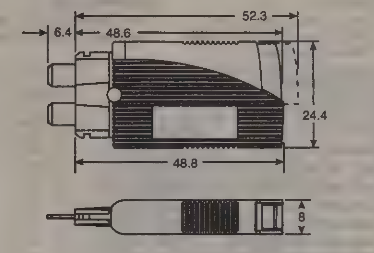
Specifications:
- Housing Width: 18mm
- AWG: 2 (Line Side)/ 3 (Load Side)
- Rupture Capacity: 10kA
- Typical Life: 6000 Operations
- Color: White

For quantities of 25 and up, call for quote.

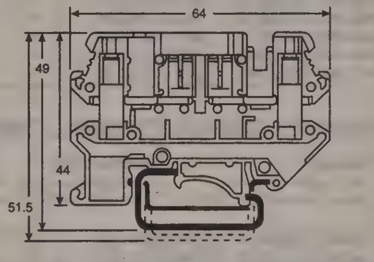
MOUSER STOCK NO.	Fig.	Phoenix Type	Nominal Current	Max Voltage (UL)	Operating Temperature	Price Each		
						1	5	10
651-5650220	F	TMC 91-H-1-10A	10A	347VAC	-25° to 55°C	30.86	28.90	27.59
651-5650219	F	TMC 91-H-1-20A	20A	347VAC	-25° to 55°C	30.86	28.90	27.59
651-5650309	F	TMC 91-H-1-32A	32A	347VAC	-25° to 55°C	30.86	28.90	27.59
651-5650312	F	TMC 91-H-1-63A	63A	277 VAC	-25° to 55°C	39.68	37.16	35.47

DIMENSIONS: mm

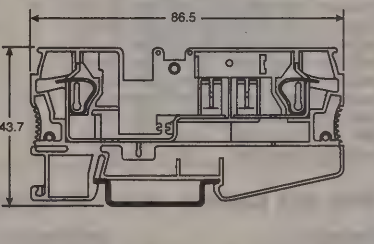
A



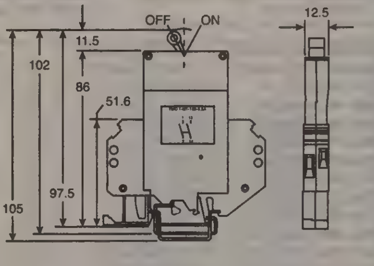
B



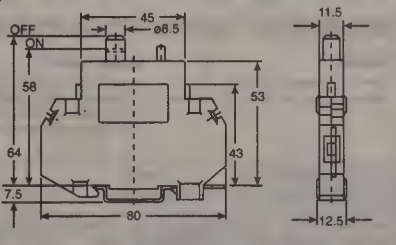
C



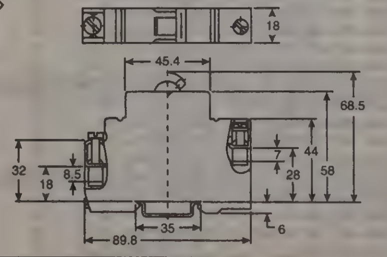
D



E



F



POTTER & BRUMFIELD Circuit Breakers

P&B W23 SERIES: THERMAL CIRCUIT BREAKERS W/ PUSH/PULL ACTUATOR

Features:
- SPDT contact configuration
- May be used as ON/OFF switch
- Visible trip indicator

Specifications:
- Max. operating voltage: 50VDC or 250VAC
- Resettable overload capacity: ten times rated current
- Dielectric strength: > 1500 volts RMS
- Termination: two #8-32 screw terminals

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Current Rating	Maximum Resistance	Price Each			
					1	25	50	100
655-W23-X1A1G-1	W23-X1A1G-1	A	1 A	610 mΩ	31.44	29.86	28.29	26.72
655-W23-X1A1G-2	W23-X1A1G-2	A	2 A	190 mΩ	31.44	29.86	28.29	26.72
655-W23-X1A1G-3	W23-X1A1G-3	A	3 A	40 mΩ	25.40	23.29	21.87	18.34
655-W23-X1A1G-5	W23-X1A1G-5	A	5 A	30 mΩ	20.50	19.48	18.45	17.43
655-W23-X1A1G-7.50	W23-X1A1G-7.50	A	7.5 A	20 mΩ	20.50	19.48	18.45	17.43
655-W23-X1A1G-10	W23-X1A1G-10	A	10 A	10 mΩ	20.50	19.48	18.45	17.43
655-W23-X1A1G-15	W23-X1A1G-15	A	15 A	6 mΩ	21.12	20.07	19.00	17.95
655-W23-X1A1G-20	W23-X1A1G-20	A	20 A	4 mΩ	20.50	19.48	18.45	17.43
655-W23-X1A1G-25	W23-X1A1G-25	A	25 A	4 mΩ	20.50	19.48	18.45	17.43
655-W23-X1A1G-30	W23-X1A1G-30	A	30 A	3 mΩ	20.50	19.48	18.45	17.43
655-W23-X1A1G-35	W23-X1A1G-35	A	35 A	3 mΩ	20.50	19.48	18.45	17.43
655-W23-X1A1G-40	W23-X1A1G-40	A	40 A	2 mΩ	20.50	19.48	18.45	17.43
655-W23-X1A1G-50	W23-X1A1G-50	A	50 A	2 mΩ	20.50	19.48	18.45	17.43

P&B W31 SERIES: THERMAL CIRCUIT BREAKERS W/ PUSH/PULL ACTUATOR

Features:
- SPDT contact configuration
- May be used as ON/OFF switch

Specifications:
- Max. operating voltage: 50VDC or 250VAC
- Resettable overload capacity: ten times rated current
- Dielectric strength: > 1500 volts RMS
- Termination: two #8-32 screw terminals

For quantities of 500 and up, call for quote.

655-W31-X2M1G-1	W31-X2M1G-1	B	1 A	610 mΩ	36.87	35.03	33.18	31.34
655-W31-X2M1G-2	W31-X2M1G-2	B	2 A	190 mΩ	36.87	35.03	33.18	31.34
655-W31-X2M1G-3	W31-X2M1G-3	B	3 A	40 mΩ	36.87	35.03	33.18	31.34
655-W31-X2M1G-5	W31-X2M1G-5	B	5 A	30 mΩ	26.25	24.94	23.63	22.32
655-W31-X2M1G-7.50	W31-X2M1G-7.50	B	7.5 A	20 mΩ	25.50	24.23	22.95	21.68
655-W31-X2M1G-10	W31-X2M1G-10	B	10 A	10 mΩ	25.50	24.23	22.95	21.68
655-W31-X2M1G-15	W31-X2M1G-15	B	15 A	6 mΩ	25.50	24.23	22.95	21.68
655-W31-X2M1G-20	W31-X2M1G-20	B	20 A	4 mΩ	25.50	24.23	22.95	21.68
655-W31-X2M1G-25	W31-X2M1G-25	B	25 A	4 mΩ	25.50	24.23	22.95	21.68
655-W31-X2M1G-30	W31-X2M1G-30	B	30 A	3 mΩ	25.50	24.23	22.95	21.68
655-W31-X2M1G-35	W31-X2M1G-35	B	35 A	3 mΩ	25.50	24.23	22.95	21.68
655-W31-X2M1G-40	W31-X2M1G-40	B	40 A	2 mΩ	25.50	24.23	22.95	21.68
655-W31-X2M1G-50	W31-X2M1G-50	B	50 A	2 mΩ	25.50	24.23	22.95	21.68

P&B W28 SERIES: PUSH TO RESET CIRCUIT BREAKERS

Features:
- Replaces slow-blow glass cartridge fuse
- Snap-in mounting
- Button extends for visual trip indication

Specifications:
- Dielectric strength: over 1500 volts RMS
- Max. operating voltage: 32VDC; 250VAC
- Termination: .250" quick connects. Soldering not recommended
- Mounting: snaps into panel from front

For quantities of 500 and up, call for quote.

655-W28-XQ1A-0.25	W28-XQ1A-0.25	C	0.25 A	14 Ω	4.14	3.83	3.52	2.72
655-W28-XQ1A-0.50	W28-XQ1A-0.50	C	0.5 A	3.55 Ω	4.14	3.83	3.52	2.72
655-W28-XQ1A-1	W28-XQ1A-1	C	1 A	890 mΩ	3.87	3.67	3.48	3.29
655-W28-XQ1A-2	W28-XQ1A-2	C	2 A	170 mΩ	4.10	3.71	3.32	2.73
655-W28-XQ1A-3	W28-XQ1A-3	C	3 A	69 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-4	W28-XQ1A-4	C	4 A	43 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-5	W28-XQ1A-5	C	5 A	30 mΩ	1.99	1.82	1.68	1.56
655-W28-XQ1A-6	W28-XQ1A-6	C	6 A	26 mΩ	2.34	2.12	1.98	1.51
655-W28-XQ1A-7	W28-XQ1A-7	C	7 A	17 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-8	W28-XQ1A-8	C	8 A	16 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-10	W28-XQ1A-10	C	10 A	11 mΩ	2.08	1.98	1.87	1.77
655-W28-XQ1A-12	W28-XQ1A-12	C	12 A	9 mΩ	2.34	2.12	1.98	1.51
655-W28-XQ1A-15	W28-XQ1A-15	C	15 A	7 mΩ	2.32	2.10	1.96	1.49
655-W28-XQ1A-20	W28-XQ1A-20	C	20 A	6 mΩ	2.32	2.10	1.96	1.49

P&B W54/W57 SERIES: PUSH-TO-RESET THERMAL CIRCUIT BREAKERS

Features:
- Cannot be manually tripped
- Button extends for visual trip indication

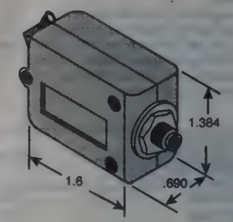
Specifications:
- Max. operating voltage: 250VAC
- Dielectric strength: 1500 VAC (60 seconds)
- Termination: .250" QC, straight
- Resettable overload capacity: Ten times rated current
- Button: White with red rate marking (vertical)

For quantities of 500 and up, call for quote.

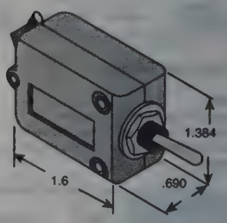
MOUSER STOCK NO.	P&B Part No.	Fig.	Current Rating	Maximum Resistance	Price Each			
					1	25	50	100
9.8mmx12.6mm Long Metal Bushing w/ Metal Knurled Nut and Hex Nut Assembled on Bushing								
655-W54-XB1A4A10-5	W54-XB1A4A10-5	D	5 A	50 mΩ	2.12	1.93	1.68	1.46
655-W54-XB1A4A10-10	W54-XB1A4A10-10	D	10 A	25 mΩ	2.12	1.93	1.68	1.46
655-W54-XB1A4A10-15	W54-XB1A4A10-15	D	15 A	17 mΩ	2.12	1.93	1.68	1.46
655-W54-XB1A4A10-20	W54-XB1A4A10-20	D	20 A	12 mΩ	2.12	1.93	1.68	1.46
655-W54-XB1A4A10-25	W54-XB1A4A10-25	D	25 A	10 mΩ	2.56	2.20	1.95	1.59
655-W54-XB1A4A10-30	W54-XB1A4A10-30	D	30 A	8 mΩ	2.56	2.20	1.95	1.59
10.8mmx12.6mm Long Metal Bushing w/ Metal Knurled Nut and Hex Nut Assembled on Bushing								
655-W57-XB7A4A10-5	W57-XB7A4A10-5	E	5 A	50 mΩ	1.46	1.32	1.16	.98
655-W57-XB7A4A10-10	W57-XB7A4A10-10	E	10 A	25 mΩ	1.46	1.32	1.16	.98
655-W57-XB7A4A10-15	W57-XB7A4A10-15	E	15 A	17 mΩ	1.46	1.32	1.16	.98
655-W57-XB7A4A10-20	W57-XB7A4A10-20	E	20 A	12 mΩ	2.06	1.85	1.65	1.34
9.8mmx9.6mm Long Plastic Bushing w/ Plastic Knurled Nut and Hex Nut Assembled on Bushing								
655-W57-XB1A5A10-5	W57-XB1A5A10-5	E	5 A	50 mΩ	1.96	1.76	1.57	1.38
655-W57-XB1A5A10-10	W57-XB1A5A10-10	E	10 A	25 mΩ	1.96	1.76	1.57	1.38
655-W57-XB1A5A10-15	W57-XB1A5A10-15	E	15 A	17 mΩ	2.00	1.90	1.70	1.65
655-W57-XB1A5A10-20	W57-XB1A5A10-20	E	20 A	12 mΩ	1.96	1.76	1.57	1.38

DIMENSIONS: In.

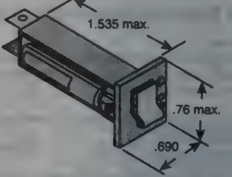
A



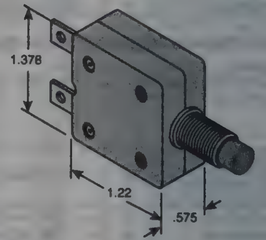
B



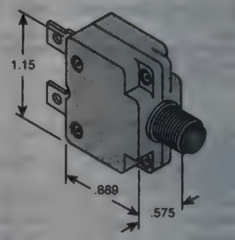
C



D



E



POTTER & BRUMFIELD Circuit Breakers

Tyco Electronics
Authorized Distributor

DIMENSIONS: In.

P&B W58 SERIES: PUSH-TO-RESET THERMAL CIRCUIT BREAKERS

Features:
- Cannot be manually tripped
- Button extends for visual trip indication

Specifications:
- Max. operating voltage: 50VDC or 250VAC
- Resettable overload capacity: ten times rated current
- Dielectric strength: > 1500 volts RMS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Current Rating	Maximum Resistance	Price Each 1	25	50	100
With .250" QC Terminals								
655-W58-XB1A4A-1	W58-XB1A4A-1	A	1 A	1.35 Ω	5.20	4.68	4.16	3.82
655-W58-XB1A4A-2	W58-XB1A4A-2	A	2 A	320 mΩ	5.20	4.68	4.16	3.82
655-W58-XB1A4A-3	W58-XB1A4A-3	A	3 A	180 mΩ	5.20	4.68	4.16	3.82
655-W58-XB1A4A-4	W58-XB1A4A-4	A	4 A	100 mΩ	5.20	4.68	4.16	3.82
655-W58-XB1A4A-5	W58-XB1A4A-5	A	5 A	26 mΩ	3.79	3.42	3.02	2.51
655-W58-XB1A4A-6	W58-XB1A4A-6	A	6 A	26 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-7	W58-XB1A4A-7	A	7 A	20 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-8	W58-XB1A4A-8	A	8 A	20 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-10	W58-XB1A4A-10	A	10 A	14 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-12	W58-XB1A4A-12	A	12 A	10 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-15	W58-XB1A4A-15	A	15 A	10 mΩ	3.26	2.94	2.70	2.51
655-W58-XB1A4A-20	W58-XB1A4A-20	A	20 A	5 mΩ	3.79	3.42	3.02	2.51
655-W58-XB1A4A-25	W58-XB1A4A-25	A	25 A	6 mΩ	3.72	3.53	3.14	2.55
655-W58-XB1A4A-30	W58-XB1A4A-30	A	30 A	4 mΩ	3.72	3.53	3.14	2.55
With 6-32 Screw Terminals								
655-W58-XC4C12A-1	W58-XC4C12A-1	A	1 A	1.35 Ω	5.20	4.68	4.16	3.82
655-W58-XC4C12A-2	W58-XC4C12A-2	A	2 A	320 mΩ	5.20	4.68	4.16	3.82
655-W58-XC4C12A-3	W58-XC4C12A-3	A	3 A	180 mΩ	5.20	4.68	4.16	3.82
655-W58-XC4C12A-5	W58-XC4C12A-5	A	5 A	100 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-7	W58-XC4C12A-7	A	7 A	26 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-10	W58-XC4C12A-10	A	10 A	20 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-15	W58-XC4C12A-15	A	15 A	20 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-20	W58-XC4C12A-20	A	20 A	14 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-25	W58-XC4C12A-25	A	25 A	10 mΩ	4.20	3.78	3.43	2.87
655-W58-XC4C12A-30	W58-XC4C12A-30	A	30 A	10 mΩ	4.20	3.78	3.43	2.87

P&B W51 SERIES: THERMAL CIRCUIT BREAKERS W/ ROCKER ACTUATOR

Features:
- Provides circuit protection and power switching in single unit.
- Compact, trip-free rocker-actuated design
- Snaps into same cutout as many common power switches

Specifications:
- Max. operating voltage: 50VDC; 125 or 250VAC
- Resettable overload capacity: Ten times rated current
- Dielectric strength: 1500 VAC (60 seconds)
- Reset time: 60 seconds
- Termination: .250" quick connects.
- Mounting: snaps into panel from front

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Current Rating	Maximum Resistance	Price Each 1	25	50	100
125VAC, Illuminated, Black Base, Red Rocker								
655-W51-A121B1-5	W51-A121B1-5	B	5 A	50 mΩ	2.54	2.29	2.13	1.86
655-W51-A121B1-10	W51-A121B1-10	B	10 A	25 mΩ	2.54	2.29	2.13	1.86
655-W51-A121B1-15	W51-A121B1-15	B	15 A	17 mΩ	2.54	2.29	2.13	1.86
655-W51-A121B1-20	W51-A121B1-20	B	20 A	12.5 mΩ	2.54	2.29	2.13	1.86
250VAC, Illuminated, Black Base, Red Rocker								
655-W51-A122B1-5	W51-A122B1-5	B	5 A	50 mΩ	2.54	2.29	2.13	1.86
655-W51-A122B1-10	W51-A122B1-10	B	10 A	25 mΩ	2.54	2.29	2.13	1.86
655-W51-A122B1-15	W51-A122B1-15	B	15 A	17 mΩ	2.54	2.29	2.13	1.86
655-W51-A122B1-20	W51-A122B1-20	B	20 A	12.5 mΩ	2.54	2.29	2.13	1.86
250VAC, Non-Illuminated, Black Base, Black Rocker								
655-W51-A152A1-5	W51-A152A1-5	B	5 A	50 mΩ	2.54	2.40	2.06	1.91
655-W51-A152A1-10	W51-A152A1-10	B	10 A	25 mΩ	2.54	2.40	2.06	1.91
655-W51-A152A1-15	W51-A152A1-15	B	15 A	17 mΩ	2.54	2.40	2.06	1.91
655-W51-A152A1-20	W51-A152A1-20	B	20 A	12.5 mΩ	2.54	2.40	2.06	1.91

P&B W6/W9 SERIES: MAGNETIC HYDRAULIC CIRCUIT BREAKERS

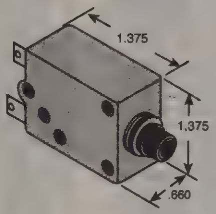
Features:
- Designed for international market
- Trip-free operation
- W6-White toggle actuator (one per pole)
- W9-Black toggle actuator (one per pole)

Specifications:
- All have standard time delay curve (W67-X2Q10-5 has instantaneous time delay curve)
- Circuit function: series trip
- Dielectric strength: 1500 VAC; 1100 VDC
- Insulation resistance: 100 MΩ @ 500 VDC

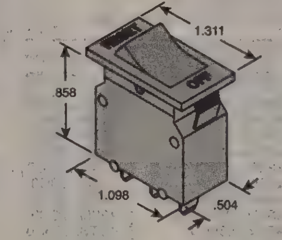
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	P&B Part No.	Fig.	Current Rating	Maximum Resistance	No.of Poles	Price Each 1	25	50	100
655-W67-X2Q10-5	W67-X2Q10-5	C	5 A	40 mΩ	1	17.52	15.77	14.02	11.83
655-W67-X2Q52-10	W67-X2Q52-10	C	10 A	13 mΩ	1	18.20	16.68	15.67	13.14
655-W67-X2Q12-15	W67-X2Q12-15	C	15 A	10 mΩ	1	17.31	16.45	15.58	14.72
655-W68-X2Q12-10	W68-X2Q12-10	C	10 A	13 mΩ	2	42.21	38.69	36.35	30.49
655-W68-X2Q12-15	W68-X2Q12-15	C	15 A	10 mΩ	2	42.21	38.69	36.35	30.49
655-W68-X2Q12-20	W68-X2Q12-20	C	20 A	4 mΩ	2	42.21	38.69	36.35	30.49
655-W69-X2Q12-10	W69-X2Q12-10	C	10 A	13 mΩ	3	57.37	52.59	49.40	41.43
655-W91-X112-10	W91-X112-10	D	10 A	13 mΩ	1	20.74	19.70	18.67	17.63
655-W91-X112-20	W91-X112-20	D	20 A	4 mΩ	1	21.36	20.30	19.23	18.16
655-W92-X112-1	W92-X112-1	D	1 A	1.2 Ω	2	43.34	40.48	37.95	35.42
655-W92-X112-15	W92-X112-15	D	15 A	10 mΩ	2	42.21	38.69	36.35	30.49
655-W92-X112-20	W92-X112-20	D	20 A	4 mΩ	2	48.16	45.75	43.35	40.94
655-W92-X112-30	W92-X112-30	D	30 A	2.7 mΩ	2	48.16	45.75	43.35	40.94
655-W92-X112-50	W92-X112-50	D	50 A	1.5 mΩ	2	48.16	45.75	43.35	40.94
655-W93-X112-50	W93-X112-50	D	50 A	1.5 mΩ	3	77.76	71.28	66.96	56.16

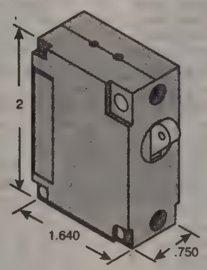
A



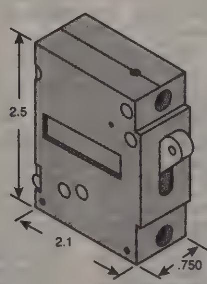
B



C



D



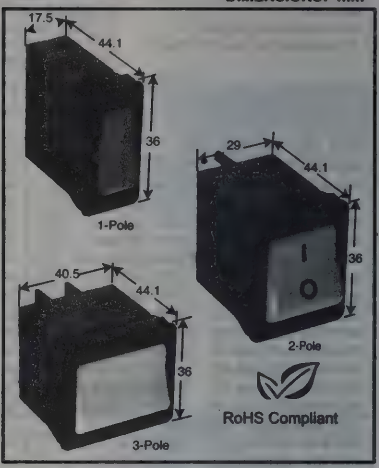
SCHURTER TA35 SERIES: THERMAL CIRCUIT BREAKER WITH ROCKER ACTUATOR

- TA35 is positively trip-free
- Ratings: 240VAC (3-pole: 415Y/240)
- Snap-in mount from front
- Quick-connect terminals

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	No. of Poles	No. of Terminals	Rated Current	Switch Color / Markings	Price Each			
						1	10	25	50
693-CFTWKJ20C0	CFTWKJ20C0	1	1	2 A	White / ON-OFF	7.57	6.73	6.05	5.72
693-CFTWF030C0	CFTWF030C0	1	1	3 A	White / I-0	6.64	5.90	5.31	5.02
693-CFTBF040C0	CFTBF040C0	1	1	4 A	Black / I-0	6.64	5.90	5.31	5.02
693-CFTRF050C0	CFTRF050C0	1	1	5 A	Red / I-0	6.64	5.90	5.31	5.02
693-CFTWF070C0	CFTWF070C0	1	1	7 A	White / I-0	6.64	5.90	5.31	5.02
693-CFTRF100C0	CFTRF100C0	1	1	10 A	Red / I-0	6.64	5.90	5.31	5.02
693-CFTWF150C0	CFTWF150C0	1	1	15 A	White / I-0	6.64	5.90	5.31	5.02
693-CFTWF200C0	CFTWF200C0	1	1	20 A	White / I-0	6.64	5.90	5.31	5.02
693-CBTWF060C0	CBTWF060C0	2	1	6 A	White / I-0	10.45	9.29	8.36	7.89
693-CBTWF080C0	CBTWF080C0	2	1	8 A	White / I-0	10.45	9.29	8.36	7.89
693-CBTWF100C0	CBTWF100C0	2	1	10 A	White / I-0	10.45	9.29	8.36	7.89
693-CBTWF160C0	CBTWF160C0	2	1	16 A	White / I-0	10.45	9.29	8.36	7.89
693-CBDWF030C0	CBDWF030C0	2	2	3 A	White / I-0	11.89	10.57	9.51	8.98
693-CBDWF050C0	CBDWF050C0	2	2	5 A	White / I-0	11.89	10.57	9.51	8.98
693-CBDWF070C0	CBDWF070C0	2	2	7 A	White / I-0	11.89	10.57	9.51	8.98
693-CBDWF150C0	CBDWF150C0	2	2	15 A	White / I-0	11.89	10.57	9.51	8.98
693-CBDWF200C0	CBDWF200C0	2	2	20 A	White / I-0	11.89	10.57	9.51	8.98
693-CKDWF050C0	CKDWF050C0	3	3	5 A	White / I-0	16.94	15.05	13.55	12.80
693-CKDWF100C0	CKDWF100C0	3	3	10 A	White / I-0	16.94	15.05	13.55	12.80
693-CKDWF120C0	CKDWF120C0	3	3	12 A	White / I-0	16.94	15.05	13.55	12.80
693-CKDWF200C0	CKDWF200C0	3	3	20 A	White / I-0	16.94	15.05	13.55	12.80
Accessories:									
693-CZZ11	CZZ11	Waterproof cover - 1 pole				.84	.75	.68	.64
693-CZZ21	CZZ21	Waterproof cover - 2 pole				.89	.79	.71	.67
693-CZZ31	CZZ31	Waterproof cover - 3 pole				1.22	1.08	.97	.92

DIMENSIONS: mm

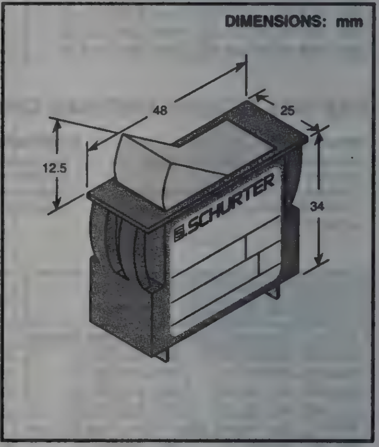


SCHURTER TA45 SERIES: THERMAL CIRCUIT BREAKERS WITH ROCKER ACTUATOR

- TA45 is positively trip-free
- Ratings: 240VAC/60VDC
- Black switch has white printed I/O legend
- Orange switch is transparent illuminated with white printed I/O legend
- Other rocker switch colors and legends available. Call for more information.
- Snap-in mount
- IP40 degree of protection on front side
- Terminals: .250" quick connect
- DPST switch (On-Off); 3-pole also available, Call for more information
- I-Pole units use 120 Volt illumination; Z-Pole units use 240 Volt

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Rated Current	Thermal Overload Protection	Switch Color	Price Each			
					1	10	25	50
693-ABTBLJ05C0	ABTBLJ05C0	0.5 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126LJ05C0	A126LJ05C0	0.5 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBLJ05C0	ABDBLJ05C0	0.5 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326LJ05C0	A326LJ05C0	0.5 A	2-pole	Orange	22.29	19.82	17.83	16.84
693-ABTBLJ20C0	ABTBLJ20C0	2 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126LJ20C0	A126LJ20C0	2 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBLJ20C0	ABDBLJ20C0	2 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326LJ20C0	A326LJ20C0	2 A	2-pole	Orange	23.81	21.31	19.22	18.08
693-ABTBL050C0	ABTBL050C0	5 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126L050C0	A126L050C0	5 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBL050C0	ABDBL050C0	5 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326L050C0	A326L050C0	5 A	2-pole	Orange	22.29	19.82	17.83	16.84
693-ABTBL100C0	ABTBL100C0	10 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126L100C0	A126L100C0	10 A	1-pole	Orange	16.02	14.21	12.87	12.01
693-ABDBL100C0	ABDBL100C0	10 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326L100C0	A326L100C0	10 A	2-pole	Orange	22.29	19.82	17.83	16.84
693-ABTBL150C0	ABTBL150C0	15 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126L150C0	A126L150C0	15 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBL150C0	ABDBL150C0	15 A	2-pole	Black	16.45	14.68	13.18	12.48
693-A326L150C0	A326L150C0	15 A	2-pole	Orange	23.84	21.56	19.24	18.18
693-ABTBL200C0	ABTBL200C0	20 A	1-pole	Black	11.81	10.50	9.45	8.93
693-A126L200C0	A126L200C0	20 A	1-pole	Orange	15.44	13.72	12.35	11.66
693-ABDBL200C0	ABDBL200C0	20 A	2-pole	Black	15.44	13.72	12.35	11.66
693-A326L200C0	A326L200C0	20 A	2-pole	Orange	22.29	19.82	17.83	16.84



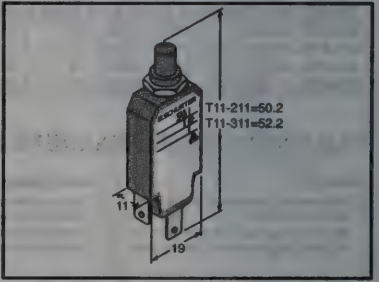
SCHURTER T11 SERIES: PUSH-TO-RESET THERMAL CIRCUIT BREAKERS

- Positively trip-free with single pole thermal overload protection
- Mounting style: Threaded neck type _ - 27UNS - 2 A
- Terminals: .250" quick connect
- Mounting hardware: Hexagonal nut

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Rated Current	Length of Threaded Neck	Price Each			
				1	10	25	50
693-T11-211-1	T11-211-1	1 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-1.5	T11-211-1.5	1.5 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-2	T11-211-2	2 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-3	T11-211-3	3 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-4	T11-211-4	4 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-5	T11-211-5	5 A	6mm	6.41	5.70	5.13	4.84
693-T11-211-10	T11-211-10	10 A	6mm	6.41	5.70	5.13	4.84
693-T11-311-1	T11-311-1	1 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-1.5	T11-311-1.5	1.5 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-2	T11-311-2	2 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-3	T11-311-3	3 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-4	T11-311-4	4 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-5	T11-311-5	5 A	8mm	6.41	5.70	5.13	4.84
693-T11-311-10	T11-311-10	10 A	8mm	6.41	5.70	5.13	4.84

DIMENSIONS: mm



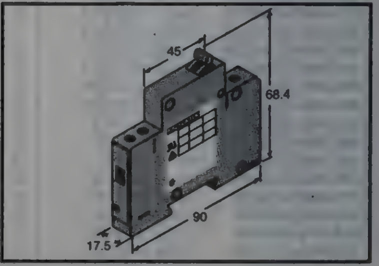
SCHURTER AS 168X SERIES: DIN RAIL MOUNT THERMAL-MAGNETIC HIGH PERFORMANCE CIRCUIT BREAKER

- Finger safe per IEC 529, IP20
- Ratings: UL/CSA - 1 pole - 277VAC/65VDC; 2-3 pole - 480VAC/65VDC
  VDE - 1 pole - 420/240VAC/65VDC; 2 pole - 420VAC/65VDC;
  3 pole - 420VAC/65VDC
- Manual on/off actuation with positively trip-free mechanism
- UL 508 Listed
- High Voltage DC types also available

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Rated Current	Number of Poles	Price Each			
				1	10	25	50
693-AS168X-CB1G010	AS168X-CB1G010	1 A	1	26.54	23.59	21.23	20.05
693-AS168X-CB1G020	AS168X-CB1G020	2 A	1	27.32	24.44	22.51	21.32
693-AS168X-CB1G050	AS168X-CB1G050	5 A	1	26.54	23.59	21.23	20.05
693-AS168X-CB1G100	AS168X-CB1G100	10 A	1	26.54	23.59	21.23	20.05
693-AS168X-CB1G150	AS168X-CB1G150	15 A	1	21.16	18.81	16.93	15.99
693-AS168X-CB1G200	AS168X-CB1G200	20 A	1	21.16	18.81	16.93	15.99
693-AS168X-CB2G020	AS168X-CB2G020	2 A	2	58.64	52.13	46.91	44.31
693-AS168X-CB2G100	AS168X-CB2G100	10 A	2	58.64	52.13	46.91	44.31
693-AS168X-CB2G150	AS168X-CB2G150	15 A	2	47.88	42.56	38.31	36.18
693-AS168X-CB2G200	AS168X-CB2G200	20 A	2	47.88	42.56	38.31	36.18
693-AS168X-CB3G150	AS168X-CB3G150	15 A	3	72.63	64.56	58.10	54.88
693-AS168X-CB3G300	AS168X-CB3G300	30 A	3	72.63	64.56	58.10	54.88

DIMENSIONS: mm

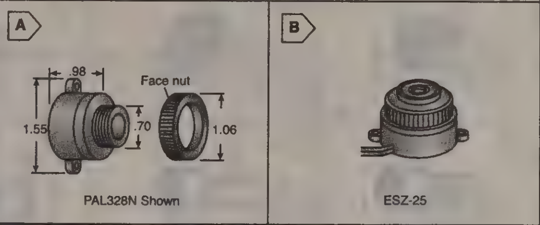


Piezo Alarms, Buzzers and Microspeakers

PIEZO-A-LERT

*

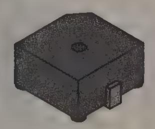
DIMENSIONS: In.

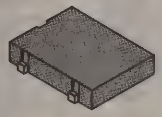


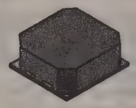
PAL328N Shown

ESZ-25

MOUSER STOCK NO.	Fig.	Description	Operating Voltage VDC		Sound Pressure dB (A) @ 2 ft.		Current Drain (mA)	Price Each			
			Min.	Max.	@ V Min.	@ V Max.		1	10	25	50
*507-PAL328	A	W/out face nut	3.0	28.0	68	100	20	8.00	7.60	7.20	6.98
*507-PAL328N	A	W/face nut	3.0	28.0	68	100	20	9.40	8.93	8.46	7.99
507-ESZ-25S	B	Single tone	3.0	28.0	68	100	20	13.20	12.54	11.88	11.22
507-ESZ-25B	B	Dual tone	3.0	28.0	68	100	20	14.03	13.16	12.72	12.27

A


B


C


D

E

F

G

H

I

DIGISOUND BUZZERS

SMT Buzzer Applications:
- Automotive
- PCB
- Industrial

Magnetic Buzzer with Oscillator Applications:
- Industrial
- Office Equipment
- Automotive

Mechanical Buzzer Applications:
- Industrial
- Security

For quantities of 500 and up, call for quote.

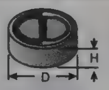
MOUSER STOCK NO.	Digisound Part No.	Fig.	Resonant Frequency	Rated Voltage	dBA @ 10 cm (typ.)	Dimensions (mm) L x W x H	Price Each			
							1	25	50	100
SMT Buzzer										
847-FSWI-155	F/SWI-155	A	2300 ± 300	1.5	± 85	12.8 X 12.8 X 10.0	1.88	1.73	1.58	1.50
847-FSWI-165	F/SWI-165	A	2300 ± 300	12	± 85	12.8 X 12.8 X 10.0	1.88	1.73	1.58	1.50
847-FSWT-08	F/SWT-08	A	2400	5	± 90	12.8 X 12.8 X 10.0	1.50	1.38	1.26	1.20
847-FSWT-09	F/SWT-09	A	2400	12	± 90	12.8 X 12.8 X 10.0	1.50	1.38	1.26	1.20
847-FBM1212ESB	F-B-M1212ESB	A	2000	12	± 95	12.8 X 12.8 X 10.0	1.50	1.38	1.26	1.20
847-FBM1212ESL	F-B-M1212ESL	A	2000	12	± 95	12.8 X 12.8 X 10.0	1.50	1.38	1.26	1.20
847-FSMD-01A	F/SMD-01A	B	3200	1.5	± 85	14.0 X 11.0 X 3.5	1.88	1.73	1.58	1.50
847-FSMD-03A	F/SMD-03A	B	3200	3	± 87	14.0 X 11.0 X 3.5	1.88	1.73	1.58	1.50
847-FSMD8585JS	F/SMD 8585 JS	C	2730	3	± 85	8.5 X 8.5 X 3.6	1.63	1.50	1.37	1.30
Magnetic Buzzer with Oscillator										
847-FHCW-06	F/HCW-06	D	2200 ± 300	6	± 85	16.0 X 14.0	1.50	1.38	1.26	1.20
847-FHCW-12	F/HCW-12	D	2200 ± 300	12	± 85	16.0 X 14.0	1.50	1.38	1.26	1.20
847-FTCW-05	F/TCW-05	E	2300 ± 300	5	± 85	12.0 X 9.5	1.35	1.24	1.13	1.08
847-FTCW-12	F/TCW-12	E	2300 ± 300	12	± 85	12.0 X 9.5	1.35	1.24	1.13	1.08
Mechanical Buzzer										
847-FPWB-06	F/PWB-06	F	400	6	± 92	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FPWB-12	F/PWB-12	F	400	12	± 92	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FPWB-24	F/PWB-24	F	400	24	± 92	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FYWB-06	F/YWB-06	G	400	6	± 95	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FYWB-12	F/YWB-12	G	400	12	± 95	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76
847-FYWB-24	F/YWB-24	G	400	24	± 95	26.0 X 26.0 X 19.5	3.45	3.17	2.90	2.76

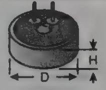
DIGISOUND MICROSPEAKERS

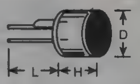
For quantities of 500 and up, call for quote.

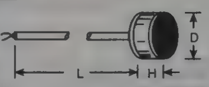
MOUSER STOCK NO.	Digisound Part No.	Fig.	Resonant Frequency	Rated Voltage	dBA @ 10 cm (typ.)	Dimensions (mm) L x W x H	Price Each			
							1	25	50	100
847-FE36100	FE36100PC/W	H	450 ± 20%	100 ± 20%	90 ± 10%	42.5 X 39.6 X 6.0	1.63	1.50	1.37	1.30
847-FE5050	FE5050 PCS/W	I	360 ± 20%	50 ± 20%	48 ± 5%	50.0 X 18.2	1.13	1.04	.95	.90

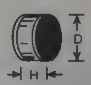
Microphone Elements and Earphones

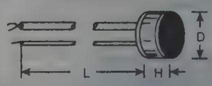
A


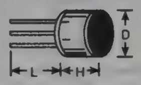
B


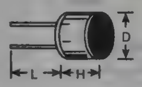
C


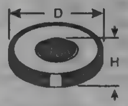
D


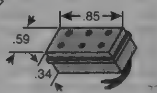
E


F


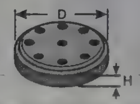
G


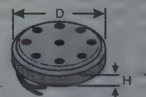
H


I


J


With Leads

K


L


6 Inch Solid Leads

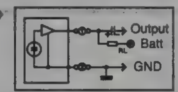
HORN ELECTRET CONDENSER MICROPHONES

RoHS Compliant per Horn documentation

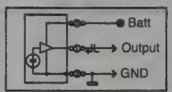
MOUSER STOCK NO.	Fig.	Size DxH (mm)	Directivity	Type	Sensitivity	Frequency Range	Operating Voltage	S/N Ratio	Price Each			
									1	25	50	100
252-EM4530-44-LF	A	4.5x3.0	Omni-Directional	Terminal	-44 ± 4dB	100-10k	2.0V	>60dB	2.79	2.09	1.52	1.39
252-EM6022-40BC10-LF	A	6.0x2.2	Omni-Directional	Terminal	-40 ± 3dB	100-10k	2.0V	>58dB	2.79	2.09	1.59	1.45
252-EM6027-423-LF	A	6.0x2.7	Omni-Directional	Terminal	-42 ± 3dB	100-15k	2.0V	>58dB	2.38	1.79	1.30	1.19
252-EM6027P-42BC10LF	B	6.0x2.7	Omni-Directional	Pin	-42 ± 3dB	100-15k	2.0V	>58dB	2.66	1.99	1.46	1.33
252-EM6027P-42BC33LF	B	6.0x2.7	Omni-Directional	Pin	-42 ± 3dB	100-15k	2.0V	>58dB	2.66	1.99	1.46	1.33
252-EM6035P-40-LF	B	6.0x3.5	Omni-Directional	Pin	-40 ± 3dB	100-15k	2.0V	>60dB	2.38	1.79	1.30	1.19
252-EM6050-40-LF	A	6.0x5.0	Omni-Directional	Terminal	-40 ± 3dB	100-15k	2.0V	>60dB	1.00	.74	.54	.49
252-EM6050-443-LF	A	6.0x5.0	Omni-Directional	Terminal	-44 ± 3dB	100-15k	2.0V	>60dB	1.00	.74	.54	.49
252-EM6050P-443-LF	B	6.0x5.0	Omni-Directional	Pin	-44 ± 3dB	100-15k	2.0V	>60dB	1.00	.74	.54	.49
252-EM9465-442-LF	A	9.4x6.5	Omni-Directional	Terminal	-44 ± 2dB	100-10k	4.5V	>60dB	.88	.67	.50	.45
252-EM9465P-442-LF	B	9.4x6.5	Omni-Directional	Pin	-44 ± 2dB	100-10k	4.5V	>60dB	.99	.74	.54	.49
252-EM9745-442-LF	A	9.7x4.5	Omni-Directional	Terminal	-44 ± 3dB	100-10k	4.5V	>60dB	.88	.67	.50	.45
252-EM9745P-40-LF	B	9.7x4.5	Omni-Directional	Pin	-40 ± 3dB	100-10k	4.5V	>60dB	.95	.72	.53	.48
252-EM9745P-422-LF	B	9.7x4.5	Omni-Directional	Pin	-42 ± 3dB	100-10k	4.5V	>60dB	.95	.72	.53	.48
252-EM9765-40-LF	A	9.7x6.5	Omni-Directional	Terminal	-40 ± 2dB	100-10k	4.5V	>60dB	.78	.59	.43	.39
252-EM9765-422-LF	A	9.7x6.5	Omni-Directional	Terminal	-42 ± 2dB	100-10k	4.5V	>60dB	.78	.59	.43	.39
252-EM9765P-422-LF	B	9.7x6.5	Omni-Directional	Pin	-42 ± 2dB	100-10k	4.5V	>60dB	.78	.59	.43	.39
252-EM1050-36-LF	A	10.0x5.0	Omni-Directional	Terminal	-36 ± 3dB	100-9k	4.5V	>60dB	1.29	.99	.71	.65
252-EM6050U-514-LF	A	6.0x5.0	Uni-Directional	Terminal	-51 ± 4 dB	100-15k	2.0V	>58dB	2.66	1.99	1.46	1.33
252-EM9752U-514-LF	A	9.7x5.2	Uni-Directional	Terminal	-51 ± 4 dB	100-15k	1.5V	>58dB	2.66	1.99	1.46	1.33
252-EM6050N-514-LF	A	6.0x5.0	Noise-Canceling	Terminal	-51 ± 4 dB	100-15k	2.0V	>58dB	2.66	1.99	1.46	1.33
252-EM9752N-51-LF	A	9.7x5.2	Noise-Canceling	Terminal	-51 ± 4 dB	100-8k	1.5V	>58dB	2.58	1.95	1.44	1.31

KOBITONE OMNI-DIRECTIONAL ELECTRET CONDENSER MICROPHONE ELEMENTS

Features:
- Less than 1mA current drain
- More than 40dB signal-to-noise ratio
- Operates from 2 to 10VDC
- Solid aluminum housings

1


Impedance is same value as R_L

2


Impedance is 25K

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Circuit Diagram	Frequency Response (Hz)	Sensi-tivity (dB)	Lead Length (L)	Dimensions: in.		Price Each			
						Dia.	Ht.	1	25	50	100
254-05KP0B-RO	C	1	50 - 16K	-61	.27	.38	.35	1.56	1.27	1.16	1.05
25LM041	D	1	50 - 10K	-64	5.9	.39	.22	4.60	3.84	3.49	3.17
25LM042	D	1	50 - 10K	-64	5.9	.26	.22	4.71	4.24	3.78	3.57
254-FN004-RO	E	1	50 - 16K	-44	- - -	.38	.26	1.51	1.26	1.14	1.04
25LM046	E	1	50 - 15K	-65	- - -	.197	.098	6.23	5.19	4.73	4.29
25LM044	F	2	50 - 10K	-64	11.75	.39	.29	4.65	3.88	3.53	3.21
25LM047	E	2	50 - 10K	-64	- - -	.39	.29	4.42	3.98	3.58	3.35
25LM048	G	2	50 - 10K	-64	.98	.39	.29	4.08	3.67	3.31	3.09
25LM051	F	2	50 - 10K	-64	5.9	.39	.29	4.65	3.88	3.53	3.21
252LM041	E	1	50 - 8K	-64	- - -	.39	.22	2.99	2.69	2.43	2.26
252LM042	E	1	50 - 10K	-64	- - -	.255	.22	3.85	3.47	3.12	2.91
254-FP270-RO	H	1	50 - 16K	-40	.47	.38	.26	1.89	1.55	1.40	1.26

KOBITONE DYNAMIC MICROPHONE ELEMENT

Features:
- Frequency Response: 100-20KHz
- Impedance: 500Ω
- Sensitivity: -97dB

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Magnet Type	Dimensions: in.		Price Each			
			Dia.	Ht.	1	25	50	100
25LM032	I	Ferrite	1.2	.41	7.69	6.41	5.83	5.30

KOBITONE CRYSTAL AND CERAMIC MICROPHONE ELEMENTS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type Element	Freq. Resp. (Hz)	Imped-ance (Ω)	Sensi-tivity (dB)	Dimen.: in.		Price Each			
						Dia.	Ht.	1	25	50	100
25LM021	J	Ceramic	100-7K	230K	-70	- - -	.34	4.49	3.74	3.40	3.09
25LM022	K	Crystal	50-8K	25K	-55	1.38	.46	4.54	3.79	3.44	3.13
25LM024	K	Crystal	50-8K	9K	-55	2.0	.65	5.26	4.38	3.98	3.62
25LM025	K	Crystal	30-15K	12K	-55	1.0	.42	4.49	3.74	3.40	3.09
25LM037	L	Ceramic	30-15K	8K	-60	1.0	.39	4.91	4.09	3.72	3.38

KOBITONE EARPHONES

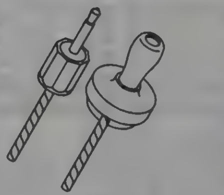
✻ Not designed for use with Earphone Support
✻✻ Includes Earphone Support

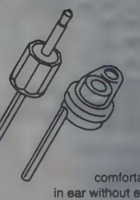
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Impedance (Ω)	Plug	Cord Length (Ft)	Color	Price Each			
							1	25	50	100
✻25CR025	A	Ceramic	20M min.	2.5mm	3	Tan	2.03	1.69	1.54	1.40
✻25CR035	A	Ceramic	20M min.	3.5mm	3	Tan	2.03	1.69	1.54	1.40
✻25CR060	A	Ceramic	20M min.	Tinned	3	Tan	1.99	1.66	1.50	1.37
25DE024	B	Dynamic	8±20%	2.5mm	6	Gray	1.40	1.09	.99	.90
✻25DE025	C	Dynamic	8±20%	2.5mm	3	White	.80	.67	.61	.55
25DE034	B	Dynamic	8±20%	3.5mm	6	Gray	1.30	1.08	.99	.90
25DE035	B	Dynamic	8±20%	3.5mm	3	Gray	1.21	1.01	.92	.84
✻✻25DE136	C	Dynamic	8±20%	3.5mm	3	Flesh	1.27	1.06	.96	.88
✻✻25DE138	C	Dynamic	15±20%	3.5mm	6	Flesh	1.95	1.63	1.48	1.35
✻✻25DE139	C	Dynamic	1K±20%	3.5mm	3	Flesh	1.95	1.63	1.48	1.35

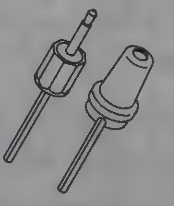
Earphone Support

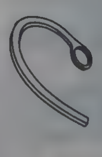
MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	25	50	100
25DE001	D	White ear support	.11	.09	.06	.052

A


B


Curved earpiece, comfortable, stays in ear without ear support

C


D


Earphone Support

KOBITONE Buzzers and Speakers

PIEZOELECTRIC BUZZERS

External Drive

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each			
							1	25	50	100
254-152-ROX	A	4000	30Vp-p	3@9Vp-p	80	Wire	1.66	1.28	1.16	1.06
254-15231-ROX	B	3200	15Vp-p	3@9Vp-p	80	Pin	2.89	2.41	2.19	1.99
254-15240-ROX	C	4096	20Vp-p	3@9Vp-p	80	Pin	1.42	1.18	1.07	.97
254-20205-ROX	D	4096	30Vp-p	3@9Vp-p	80	Pin	1.42	1.18	1.07	.97
254-272-ROX	E	4400	30Vp-p	4@9Vp-p	90	Wire	1.42	1.18	1.07	.97
254-352-ROX	F	2500	30Vp-p	5@9Vp-p	90	Wire	2.32	1.93	1.75	1.59

Self Drive

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each			
							1	25	50	100
254-27346-ROX	G	4400	3-27VDC	9@9VDC	83	Wire	1.42	1.18	1.07	.97

Built-In Drive

† Pulse tone

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Res. Freq. (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each			
							1	25	50	100
254-15210-ROX	B	4400	3-15VDC	8@9VDC	85	Pin	3.86	3.22	2.93	2.66
254-20C6-ROX	H	3400	3-30VDC	8@9VDC	80	Wire	3.28	2.73	2.49	2.26
254-27C0-ROX	I	3500	3-20VDC	8@9VDC	97	Wire	3.89	3.24	2.95	2.68
†254-35C1-ROX	F	2800	3-30VDC	8@9VDC	88	Wire	3.53	2.94	2.67	2.43
254-35C5-ROX	J	2800	3-15VDC	45@9VDC	103	Wire	4.93	4.10	3.73	3.39

TELEPHONE RINGER

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each			
							1	25	50	100
254-35T2-ROX	K	1200	40Vp-p	3@9Vp-p	80	Wire	1.72	1.33	1.21	1.10

DYNAMIC MULTI-FUNCTION SPEAKERS

For quantities of 200 and up, call for quote.

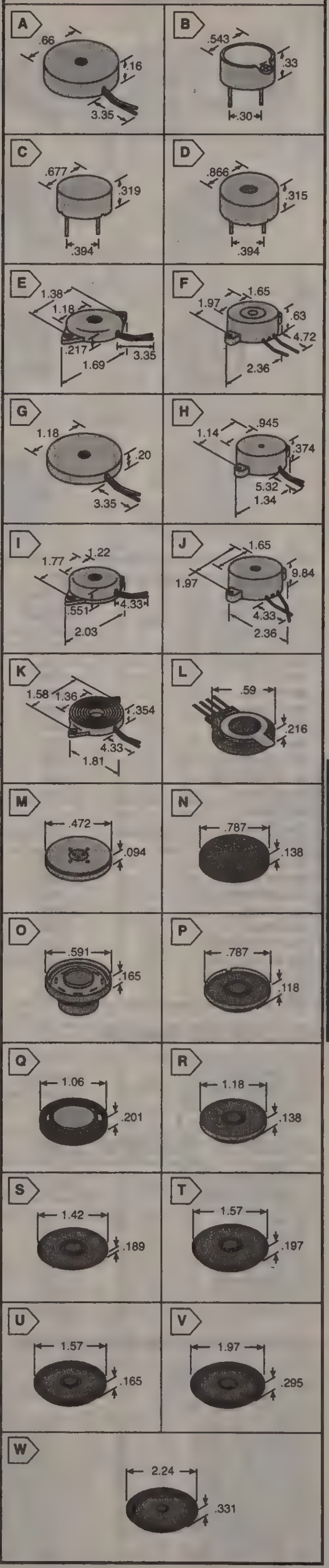
MOUSER STOCK NO.	Fig.	Multi-Function	Impedance (Ω)	Power Rating (mW) Max.	Frequency Range (Hz)	Sound Pressure Level (dB)	Price Each			
							1	25	50	100
254-PR651	L	Speaker	8Ω	300	80 - 20000	87	4.69	3.91	3.55	3.23
		Receiver	32Ω	20	300 - 3400	109				

MYLAR SPEAKERS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance (Ω)	Power Rating (mW) Normal	Power Rating (mW) Max.	Frequency Range (Hz)	Sound Pressure Level (dB)	Price Each			
							1	25	50	100
254-PS600	M	8Ω	300	500	1000 - 20000	83	1.48	1.23	1.12	1.02
254-PS601-RO	N	8Ω	200	300	700 - 7000	85	2.18	1.82	1.69	1.50
254-PS602-RO	O	32Ω	30	50	400 - 20000	102	.93	.71	.65	.59
254-PS603-RO	P	8Ω	200	400	400 - 6500	75	1.22	1.02	.92	.84
254-PS604-RO	Q	32Ω	200	500	360 - 2800	80	1.22	1.02	.92	.84
254-PS605-RO	T	8Ω	100	200	350 - 6800	76	1.45	1.21	1.10	1.00
254-PS606-RO	S	25Ω	200	500	320 - 7200	83	1.48	1.23	1.12	1.02
254-PS607-RO	T	8Ω	500	1000	350 - 6200	84	1.45	1.21	1.10	1.00
254-PS608-RO	U	8Ω	200	500	350 - 11000	82	1.45	1.21	1.10	1.00
254-PS609-RO	V	8Ω	250	500	350 - 8500	85	1.48	1.23	1.12	1.02
254-PS610-RO	W	8Ω	500	1000	350 - 13000	88	1.73	1.44	1.31	1.19

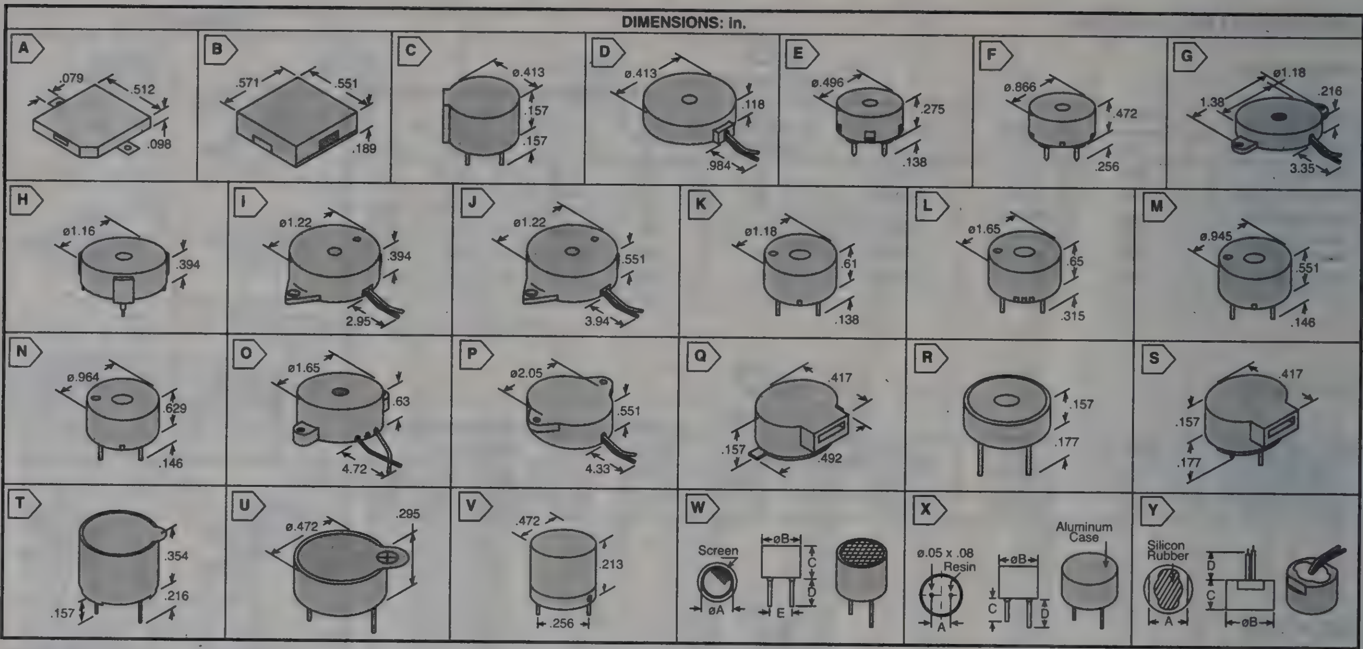
DIMENSIONS: in.



KOBITONE Buzzers and Transducers

KOBITONE™ AUDIO COMPANY

DIMENSIONS: in.


A
.079
.512
.098
B
.571
.551
.189
C
ø.413
.157
.157
D
ø.413
.118
.984
E
ø.496
.275
.138
F
ø.866
.472
.256
G
ø1.18
1.38
.216
3.35
H
ø1.16
.394
I
ø1.22
.394
2.95
J
ø1.22
.551
3.94
K
ø1.18
.61
.138
L
ø1.65
.65
.315
M
ø.945
.551
.146
N
ø.964
.629
.146
O
ø1.65
.63
4.72
P
ø2.05
.551
4.33
Q
.417
.157
.492
R
.157
.177
S
.417
.157
.177
T
.354
.216
.157
U
ø.472
.295
V
.472
.213
.256
W
Screen
øB
C
D
øA
E
X
ø.05 x .08 Resin
øB
Aluminum Case
C
D
A
Y
Silicon Rubber
D
C
A
øB

PIEZOELECTRIC BUZZERS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each			
							1	25	50	100
External Drive										
254-PB501	A	4000	15Vp-p	3@9Vp-p	80	SMT	2.61	2.18	1.98	1.80
254-PB502	B	4000	15Vp-p	3@9Vp-p	80	SMT	2.61	2.18	1.98	1.80
254-PB503	C	4000	15Vp-p	3@9Vp-p	72	Pin	1.27	1.06	.96	.87
254-PB504	D	4000	15Vp-p	3@9Vp-p	72	Wire	1.49	1.24	1.13	1.03
254-PB506	D	5000	15Vp-p	3@9Vp-p	80	Wire	1.27	1.06	.96	.87
254-PB507-ROX	E	4000	15Vp-p	3@9Vp-p	80	Pin	1.10	.91	.83	.75
254-PB508-ROX	F	4000	30Vp-p	4@12Vp-p	90	Pin	1.10	.91	.83	.75
254-PB514	G	3500	30Vp-p	4@9Vp-p	85	Wire	1.10	.91	.83	.75
Self Drive										
254-PB516	H	2500	3-27VDC	9@9VDC	83	Pin	.97	.75	.68	.62
Built-In Drive										
254-PB518	I	3500	3-30VDC	8@9VDC	85	Wire	2.18	1.82	1.69	1.50
254-PB511	I	5000	3-30VDC	8@9VDC	80	Wire	2.18	1.82	1.69	1.50
254-PB519-ROX	J	3500	3-30VDC	10@9VDC	87	Wire	2.18	1.82	1.69	1.50
254-PB520	K	3400	5-20VDC	6@9VDC	87	Pin	3.40	2.83	2.57	2.34
254-PB521	L	2800	3-20VDC	12@9VDC	100	Pin	4.10	3.42	3.11	2.83
254-PB509-ROX	M	3800	3-30VDC	8@9VDC	83	Pin	2.18	1.82	1.69	1.50
254-PB510-ROX	N	5000	3-15VDC	7@9VDC	93	Pin	3.40	2.83	2.57	2.34
254-PB512	O	3000	5-20VDC	20@9VDC	97	Wire	5.72	4.77	4.33	3.94
254-PB513	O	5000	5-20VDC	12@9VDC	93	Wire	5.20	4.33	3.61	3.01

TELEPHONE RINGER

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each			
							1	25	50	100
254-PB500-ROX	P	800	40Vp-p	4@9Vp-p	80	Wire	1.48	1.21	1.10	1.00

MAGNETIC TRANSDUCERS

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Resonant Frequency (Hz)	Rated Voltage	Current Consumption (mA)	Sound Pressure Level (dB)	Terminal Type	Price Each			
							1	25	50	100
254-MB553	Q	2730	5VDC	80	85	SMT	2.18	1.82	1.69	1.50
254-MB555-RO	R	2730	3VDC	80	85	Pin	1.72	1.33	1.21	1.10
254-MB556	S	2700	1.5VDC	80	85	Pin	1.72	1.33	1.21	1.10
254-MB557-RO	T	2400	12VDC	40	85	Pin	.99	.83	.75	.68
254-MB563-RO	T	2048	5VDC	50	82	Pin	.99	.83	.75	.68
254-MB561-RO	U	2300	5VDC	30	83	Pin	.99	.83	.75	.68
254-12GP	V	2048	1.5VDC	30	85	Pin	1.69	1.30	1.19	1.08

ULTRASONIC TRANSDUCERS

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	SPL Min. (dB)	Sensitivity Min. (dB)	Center Frequency (kHz)	Bandwidth (kHz)	Max. Input Voltage	Dimensions: in.					Price Each			
								A	B	C	D	E	1	25	50	100
255-400PT16-ROX	W	Pulse Transit	117	-53	40 ± 1.0	2	20	.51	.64	.48	.39	.39	6.27	5.70	5.18	4.71
255-400SR12-ROX	W	Receiver	- - -	-67	40 ± 1.0	2	20	.39	.50	.39	.39	.33	5.24	4.76	4.32	3.93
255-400ST12-ROX	W	Transmitter	115	- - -	40 ± 1.0	2	20	.39	.50	.39	.39	.33	5.24	4.76	4.32	3.93
255-400SR16-ROX	W	Receiver	- - -	-65	40 ± 1.0	2.5	20	.47	.64	.47	.39	.39	4.89	4.45	4.05	3.68
255-400ST16-ROX	W	Transmitter	119	- - -	40 ± 1.0	2	20	.47	.64	.47	.39	.39	4.89	4.45	4.05	3.68
255-400ER18-ROX	X	Receiver	- - -	-70	40 ± 1.0	1.5	20	.45	.71	.53	.69	- - -	7.84	7.13	6.48	5.89
255-400ET18-ROX	X	Transmitter	115	- - -	40 ± 1.0	1.5	20	.45	.71	.53	.69	- - -	7.84	7.13	6.48	5.89
255-400ER25-ROX	X	Receiver	- - -	-70	40 ± 1.0	1.0	20	0.39	0.98	0.35	0.43	- - -	9.39	8.48	7.74	7.09
255-400ET25-ROX	X	Transmitter	115	- - -	40 ± 1.0	1.0	20	0.39	0.98	0.35	0.43	- - -	9.39	8.48	7.74	7.09
255-400EP14D-ROX	Y	Pulse Transit	98	-80	40 ± 1.0	1.5	20	0.48	0.56	0.36	1.57	- - -	8.93	8.06	7.35	6.74

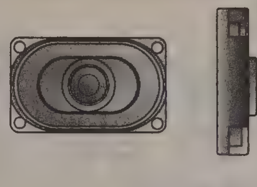
KOBITONE Speakers

KOBITONE™ LOW PROFILE RECTANGULAR SPEAKERS

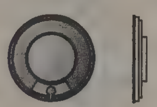
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Frame Material	Size (WxLxH)	Imp. (Ω)	Power (W)	Max. Power (W)	Frequency Response (Hz)	Price Each			
							1	10	100	500
253-1635CP08-RO	Plastic	16.1x35x7.4mm	8	1.0	2.0	450-20k	3.59	3.06	2.61	2.44
253-2027CP08-RO	Plastic	20.4x27.6x6.5mm	8	1.0	2.0	350-20k	3.59	3.06	2.61	2.44
253-2035CP08-RO	Metal	20x35x5.4mm	8	1.0	2.0	400-20k	3.59	3.06	2.61	2.44
253-2040CP08-RO	Metal	20x40x6.5mm	8	1.0	2.0	300-20k	3.59	3.06	2.61	2.44
253-2040CP08-8-RO	Plastic	20x40x10.3mm	8	1.0	2.0	200-20k	3.75	3.19	2.71	2.44
253-2840CP08-RO	Plastic	28x40x11.2mm	8	1.0	2.0	280-20k	3.75	3.19	2.71	2.44

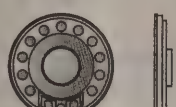
RoHS Compliant



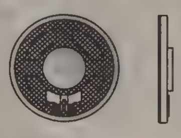
A



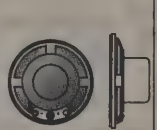
B



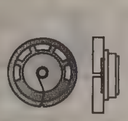
C



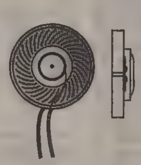
D



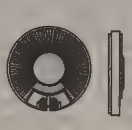
E



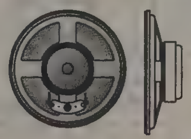
F



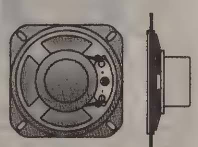
G



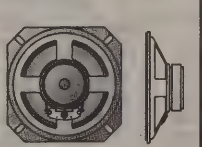
H



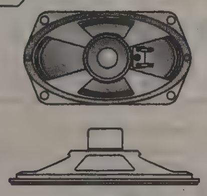
I



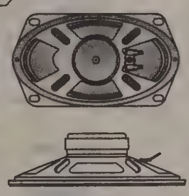
J



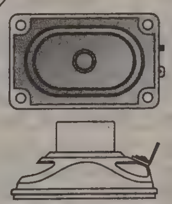
K



L



M



Features:

- High quality speakers
- Pre-tinned speaker lugs

KOBITONE™ MYLAR SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each		
								1	10	100
253-5008	A	.8	.18	8	0.1	600-7K	ND	2.75	2.28	2.07
253-CE221-RO	A	1.10	0.22	8	0.8	250-20KHz	ND	4.31	3.83	3.45
253-CE285-RO	A	1.1	.20	8	0.1	550-6K	ND	2.85	2.37	2.15
253-5011	A	1.1	.20	8	0.1	550-6K	ND	2.85	2.37	2.15
253-5014	B	1.42	.17	8	0.2	550-6K	ND	3.15	2.62	2.38
253-CE405-RO	C	1.57	0.20	8	1.0	230-20KHz	ND	4.09	3.37	3.05
253-5015	B	1.57	.24	8	0.1	400-10K	ND	3.19	2.66	2.42
253-3015	D	1.50	.64	8	0.1	800-4.5K	Alnico	2.68	2.37	2.20
253-CE502-RO	A	1.97	0.30	8	0.8	350-20KHz	ND	4.29	3.57	3.25
253-3020	D	2.0	.75	8	0.2	500-4.5K	Alnico	3.44	2.87	2.61

KOBITONE™ PLASTIC FRAME MYLAR SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each		
								1	10	100
25RF006	E	1.06	.35	8	0.1	800-5K	Ferrite	2.85	2.38	2.16
253-CE301-RO	G	1.18	0.20	32	0.2	300-6KHz	ND	2.22	1.79	1.61
25CE224-RO	F	1.57	.39	32	0.03	150-18K	Ferrite	3.25	2.71	2.46
25CE500-RO	F	1.57	.32	600	0.025	20-20K	Alnico	5.14	4.28	3.89

KOBITONE™ ROUND SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each		
								1	10	100
Standard Performance Speakers										
253-2015	D	1.50	.65	8	0.2	700-4K	Alnico	2.35	1.95	1.78
253-2115	D	1.50	.64	100	0.2	700-5K	Alnico	2.62	2.18	1.98
253-2020	D	2.0	.75	8	0.2	500-4K	Alnico	2.26	1.89	1.72
253-2121	D	2.0	.75	100	0.2	500-4.5K	Alnico	2.45	2.05	1.86
253-4020	H	2.0	.70	8	0.2	500-4K	Ferrite	1.87	1.57	1.42
253-2022	D	2.25	.76	8	0.2	400-4.5K	Alnico	2.34	1.95	1.85
253-2025	D	2.6	.84	8	0.25	330-4.5K	Alnico	2.44	2.04	1.85
253-2030	D	3.0	.96	8	0.5	280-5K	Alnico	2.39	1.99	1.72
Top Quality Communication Speakers										
25SP015	D	1.5	.65	8	0.1	800-4K	Alnico	3.38	2.82	2.56
25SP007	D	1.5	.65	100	0.1	650-4K	Alnico	3.72	3.10	2.82
25SP002	D	2.0	.77	8	0.2	500-4K	Alnico	2.90	2.42	2.20
25SP008	D	2.0	.73	100	0.2	450-4K	Alnico	3.37	2.81	2.55
25SP024	D	2.25	.82	8	0.2	450-4K	Alnico	2.98	2.48	2.26
25SP029	D	2.25	.87	100	0.25	450-4K	Alnico	3.30	2.75	2.50
25SP025	D	2.5	.82	8	0.2	350-4K	Alnico	3.16	2.63	2.39
25RF123	H	2.75	.83	8	0.5	300-3.5K	Ferrite	2.57	1.98	1.80
25SP027	D	2.75	.87	8	0.5	300-3.5K	Alnico	3.16	2.63	2.39
25SP005	D	2.75	.91	40	0.3	300-3.5K	Alnico	3.95	3.29	2.99
25SP013	D	3.0	.93	8	0.5	260-6K	Alnico	3.23	2.69	2.45

KOBITONE™ SQUARE SPEAKERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each		
								1	10	100
Standard Performance Speakers										
253-2120	I	2.0	.77	8	0.2	500-4.5K	Alnico	2.23	1.86	1.71
253-2032	I	3.0	1.15	40	0.8	220-10K	Alnico	2.34	2.12	1.83
253-2130	I	3.0	1.06	8	0.8	220-10K	Alnico	2.58	2.26	2.01
253-4130	J	3.0	1.02	8	0.8	220-15K	Ferrite	1.91	1.65	1.51
253-2040	I	4.0	1.36	8	1.5	150-12K	Alnico	3.30	2.81	2.56
253-2041	I	4.0	1.52	8	2.0	160-10K	Alnico	5.21	4.34	3.95
253-2044	I	4.0	1.50	4	2.0	160-12K	Alnico	5.21	4.34	3.95
Top Quality Communications Speakers										
25SP016	I	1.50	.65	8	0.1	650-3.5K	Alnico	3.60	3.00	2.73
25SP003	I	2.0	.75	8	0.2	450-4K	Alnico	3.32	2.77	2.52
25SP023	I	2.0	.75	100	0.2	460-4K	Alnico	2.98	2.48	2.26
25SP104	I	2.25	.75	8	0.25	450-4K	Alnico	3.37	2.81	2.55
25SP105	I	2.5	.85	8	0.3	350-4.0K	Alnico	3.23	2.69	2.45
25SP030	I	3.0	1.16	8	0.3	250-5K	Alnico	3.58	2.99	2.72
25SF236	J	3.50	1.02	8	0.8	200-5K	Ferrite	3.10	2.42	2.20
25SP035	I	3.5	1.16	8	0.5	200-5K	Alnico	4.32	3.60	3.27
25SP041	I	4.0	.91	8	1.0	190-10K	Alnico	5.01	4.17	3.79

KOBITONE™ OVAL SPEAKERS

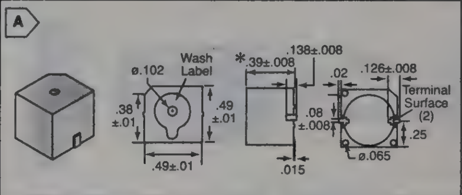
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (In.)	Depth (In.)	Imp. (Ω)	Rated Power (W)	Frequency Response (Hz)	Magnet Type	Price Each		
								1	10	100
25SP101	K	3x5	1.42	8	1.0	170-20K	Alnico	6.13	5.11	4.64
253-4350	L	3x5	1.41	8	1.5	160-12K	Ferrite	4.82	4.02	3.66
253-5070	M	2x2.75	1.59	8	3.0	200-20K	Ferrite	3.58	3.10	2.68

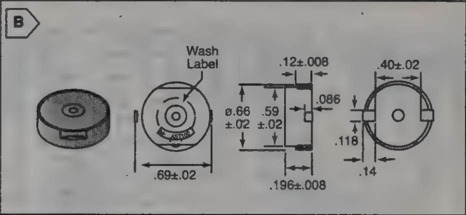
MALLORY SONALERT® Audible Alarms and Buzzers

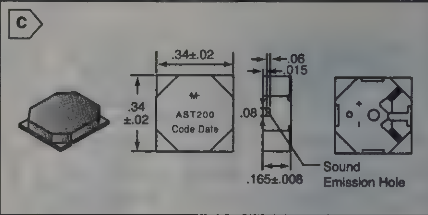
MALLORY

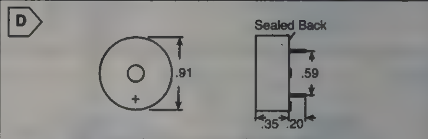
DIMENSIONS: In.


A
ø.102
Wash Label
.38 ±.01
.49 ±.01
.49±.01
*.39±.008
.138±.008
.02
.126±.008
Terminal Surface (2)
.08 ±.008
.25
ø.065
.015

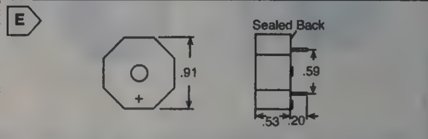
*AST501, AST605 = .295"


B
Wash Label
AST100
.69±.02
.12±.008
ø.66 ±.02
.59 ±.02
.086
.196±.008
.40±.02
.118
.14

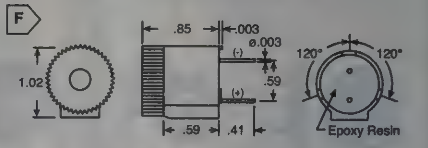

C
.34±.02
.34 ±.02
AST200
Code Date
.06
.015
.08
.165±.008
Sound Emission Hole


D
Sealed Back
.91
+
.59
.35
.20

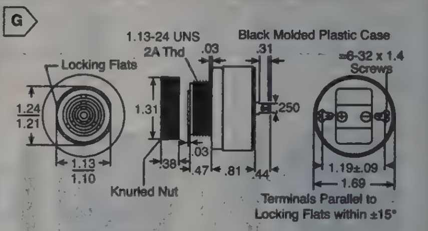
Add "S" to part number for wash label

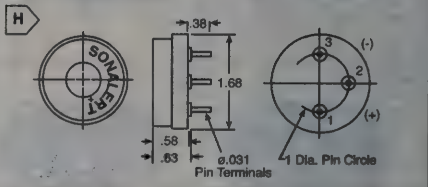

E
Sealed Back
.91
+
.59
.53
.20

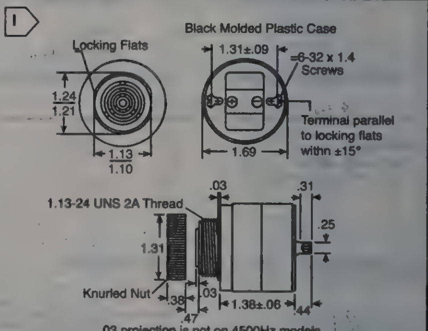
Add "S" to part number for wash label


F
1.02
.85
.003
ø.003
(-)
(+)
.59
.59
.41
120°
120°
Epoxy Resin

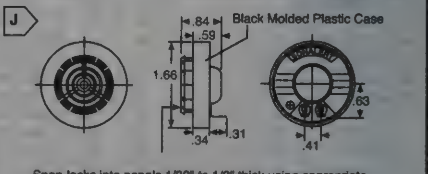
Add "S" to part number for wash label


G
1.13-24 UNS 2A Thd
.03
.31
Black Molded Plastic Case
=6-32 x 1.4 Screws
Locking Flats
1.24
1.21
1.31
.250
1.13
1.10
.38
.03
.47
.81
.44
1.19±.09
1.69
Knurled Nut
Terminals Parallel to Locking Flats within ±15°


H
SONALERT
.38
1.68
.58
.63
ø.031
Pin Terminals
3
(-)
2
1
(+)
1 Dia. Pin Circle


I
Black Molded Plastic Case
Locking Flats
1.31±.09
=6-32 x 1.4 Screws
1.24
1.21
1.13
1.10
1.69
Terminal parallel to locking flats within ±15°
1.13-24 UNS 2A Thread
.03
.31
.25
1.31
Knurled Nut
.38
.03
.47
1.38±.06
.44

.03 projection is not on 4500Hz models


J
.84
.59
Black Molded Plastic Case
1.66
.63
.34
.31
.41

Snap-locks into panels 1/32" to 1/8" thick using appropriate compression washer 1.063" dia. panel hole required

MALLORY SONALERT II™ - SURFACE MOUNT (WITH AND WITHOUT CIRCUITRY)

MOUSER STOCK NO.	Fig.	Resonate/ Oscillating Frequency (Hz)	Rated Voltage Vpp	Operating Voltage (max.)	Sound Pressure dB (min.)	Current Consumption (max.)	Price Each		
							1	25	50
539-ASI301	A	2300 ±300 Hz	5 VDC	4~7 VDC	90 dB	30 mA	2.41	2.21	2.04
539-ASI401	A	2300 ±300 Hz	12 VDC	9~15 Vpp	90 dB	50 mA	1.93	1.74	1.54
539-AST100	B	4000 ±500 Hz	5 Vpp	15 Vpp	80 dB	1.5 mA	1.29	1.16	1.04
539-AST200	C	2700 ±500 Hz	3 Vpp	2~5 Vpp	80 dB	80 mA	3.77	3.37	3.03
539-AST501	A	2400 ±500 Hz	1.5 Vpp	1~2 Vpp	85 dB	70 mA	1.90	1.70	1.53
539-AST605	A	2400 ±500 Hz	5 Vpp	4~7 Vpp	87 dB	50 mA	1.59	1.46	1.34

MALLORY SONALERT®

NEW FROM SUPPLIER

- Board mount with circuitry
- Low profile and compact
- Piezo tone quality
- Made in the USA

MOUSER STOCK NO.	Fig.	Frequency	Minimum Sound Pressure (dB/2 ft.)	Rated Voltage	Maximum Current	Price Each			
						1	25	50	100
539-MSR320	D	3.40KHz ± .4KHz	75 @ 12V	3-20VDC	3-16mA @ 3-20VDC	4.35	3.91	3.24	2.97
539-MSR320S	D	3.40KHz ± .4KHz	62 @ 3V	3-20VDC	3-16mA @ 3-20VDC	3.85	3.54	3.24	2.93
539-MSR516N	D	3.90KHz ± .4KHz	85 @ 12V	5-16VDC	3-16mA @ 5-16VDC	7.07	6.68	6.29	5.90
539-MSO320	E	3.15KHz ± .4KHz	75 @ 12V	3-20VDC	3-16mA @ 3-20VDC	3.50	3.32	3.17	2.11
539-MAS800	F	2.8KHz ± .5KHz	103 @ 12V	9-12VDC	50mA @ 12VDC	7.20	6.98	6.11	5.45
539-MAS800S	F	2.8KHz ± .5KHz	103 @ 12V	9-12VDC	50mA @ 12VDC	4.94	4.79	4.20	3.75
539-MAS803	F	2.8KHz ± .5Hz	95 @ 3V	3-7VDC	130mA @ 7VDC	5.44	4.66	3.89	3.73
539-MAS806	F	2.8KHz ± .5Hz	95 @ 6V	5-14VDC	50mA @ 14VDC	5.45	4.67	3.89	3.50
539-MSR516NSR	D	3.90KHz	85 @ 12V	5-16VDC	3-16mA @ 5-16VDC	7.38	5.90	5.31	4.72
539-MAS806SQ	F	2.8KHz	95 @ 6V	5-14VDC	3-16mA @ 5-16VDC	7.03	5.62	5.06	4.49

MALLORY SONALERT II™ - SPECIALTY BOARD MOUNT WITH CIRCUITRY

NEW FROM SUPPLIER

MOUSER STOCK NO.	Fig.	Sound Type	Freq.	Minimum Sound Pressure (dB/2 ft.)	Rated Voltage	Maximum Current	Price Each			
							1	25	50	100
539-MSR516NPR	D	Fast Pulse	3.9KHz	85 @ 12V	5-16VDC	3-12mA @ 5-16VDC	7.63	6.10	5.59	4.88
539-MSR516NJR	D	Slow Pulse	3.9KHz	85 @ 12V	5-16VDC	3-12mA @ 5-16VDC	8.08	6.46	5.81	5.17
539-MSR516WR	D	Whooping	3.9KHz	85 @ 12V	5-16VDC	3-12mA @ 5-16VDC	10.50	9.70	8.70	7.85
539-MSR516XR	D	Siren	3.9KHz	85 @ 12V	5-16VDC	3-12mA @ 5-16VDC	10.50	9.70	8.70	7.85

MALLORY SONALERT® INTERMITTENT TONES

MOUSER STOCK NO.	Fig.	Mounting Method	Freq. ±500 (Hz)	Operating Voltage † AC/DC Non-Polar All others DC only		Sound Pressure dB (A) @ 2 ft.		Typical Operating Current (mA)		Price Each		
				Min.	Max.	@ V Min.	@ V Max.	@ Min. V	@Max. V	1	25	50
Fast Pulse												
539-SC616NP	G	Panel	2900	6	16	80	95	4	16	22.80	20.26	18.75
539-SC628P	H	Panel	2900	6	28	68	80	6	22	23.83	21.18	19.60
539-SC110P	H	Panel	2900	† 30	† 120	68	80	6	21	37.60	33.42	30.92
Slow Pulse												
539-SC616NJ	G	Panel	2900	6	16	80	95	4	16	22.80	20.26	18.75
539-SC628J	H	Panel	2900	6	28	68	80	6	22	23.92	21.26	19.67
539-SC110NJ	H	Panel	2900	† 30	† 120	80	95	8	28	39.18	34.82	32.21
539-SC110J	H	Panel	2900	† 30	† 120	68	80	6	21	37.71	33.52	31.01
Chime Tone												
539-SC616CP	H	Panel	2900	6	16	68	78	3	8	28.00	25.20	22.90
Chirp												
539-SC110Q	G	Panel	2900	30AC	120AC	68	80	6	22	37.00	33.62	28.55

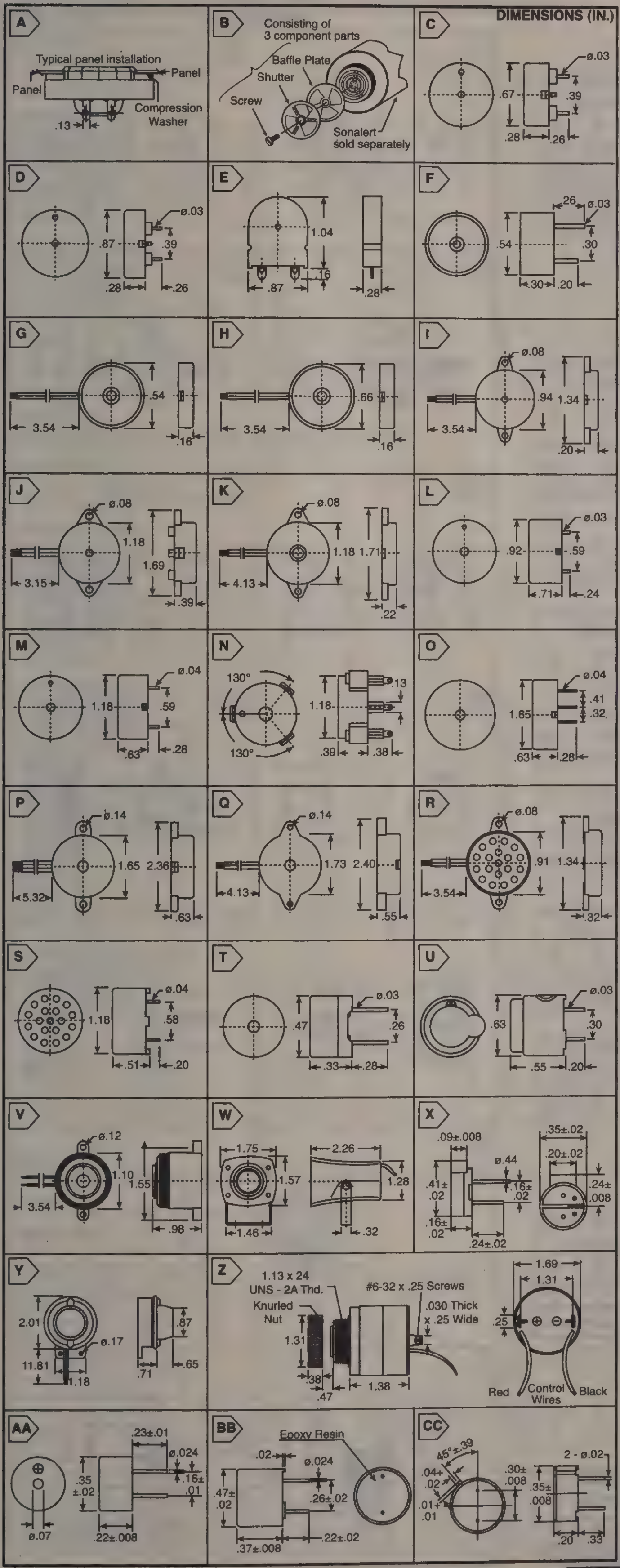
MALLORY SONALERT® CONTINUOUS TONES

- Medium loudness

*

MOUSER STOCK NO.	Fig.	Mounting Method	Freq. ±500 (Hz)	Operating Voltage † AC/DC Non-Polar All others DC only		Sound Pressure dB (A) @ 2 ft.		Typical Operating Current (mA)		Price Each		
				Min.	Max.	@ V Min.	@ V Max.	@ Min. V	@Max. V	1	25	50
* 539-SBM428	I	PC Board	2900	4	28	64	78	3	16	20.44	18.98	16.79
* 539-SC105	G	Panel	2900	1	5	60	75	3	16	14.28	12.85	11.68
* 539-SC307N	G	Panel	2900	3	7	80	90	3	8	22.02	19.82	18.01
* 539-SC628	G	Panel	2900	6	28	68	80	3	18	14.28	12.85	11.68
* 539-SC628A	H	Panel	2900	† 6	† 28	68	80	6	23	24.87	22.39	20.36
* 539-SC628AN	H	Panel	2900	6	28	80	95	8	28	30.65	27.86	25.08
* 539-SC628D	G	Panel	1900	6	28	60	75	6	23	17.15	15.78	14.41
539-SC628N	G	Panel	2900	6	28	80	90	3	14	15.63	14.06	12.78
* 539-SC616N	G	Panel	2900	† 6	† 16	80	95	4	16	15.48	15.07	14.23
* 539-SC110	H	Panel	2900	† 30	† 120	68	80	6	21	28.38	25.80	23.22
* 539-SC110N	H	Panel	2900	† 30	† 120	80	95	8	28	37.82	34.38	30.95
* 539-SNP428	J	Snap in	2900	† 4	† 28	64	78	3	18	13.95	12.83	11.72

MALLORY Audible Alarms, Buzzers, and Transducers


DIMENSIONS (IN.)
A
Typical panel installation
Panel
Panel
Compression Washer
.13
B
Consisting of 3 component parts
Baffle Plate
Shutter
Screw
Sonalert sold separately
C
ø.03
.67
.39
.28
.26
D
ø.03
.87
.39
.28
.26
E
1.04
.87
.16
.28
F
.26
ø.03
.54
.30
.30
.20
G
.54
3.54
.16
H
.66
3.54
.16
I
ø.08
.94
1.34
3.54
.20
J
ø.08
1.18
1.69
3.15
.39
K
ø.08
1.18
1.71
4.13
.22
L
ø.03
.92
.59
.71
.24
M
ø.04
1.18
.59
.63
.28
N
130°
.13
1.18
130°
.39
.38
O
ø.04
1.65
.41
.32
.63
.28
P
ø.14
1.65
2.36
5.32
.63
Q
ø.14
1.73
2.40
4.13
.55
R
ø.08
.91
1.34
3.54
.32
S
ø.04
1.18
.58
.51
.20
T
ø.03
.47
.26
.33
.28
U
ø.03
.63
.30
.55
.20
V
ø.12
1.10
1.55
3.54
.98
W
1.75
2.26
1.57
1.28
1.46
.32
X
.09±.008
.35±.02
ø.44
.20±.02
.41±.02
.16±.02
.24±.008
.16±.02
.24±.02
Y
2.01
.87
ø.17
11.81
.65
.71
1.18
Z
1.13 x 24 UNS - 2A Thd.
#6-32 x .25 Screws
Knurled Nut
.030 Thick x .25 Wide
1.69
1.31
.25
1.31
.38
1.38
.47
Red
Control Wires
Black
AA
.23±.01
ø.024
.35±.02
.16±.01
ø.07
.22±.008
BB
Epoxy Resin
.02
ø.024
.47±.02
.26±.02
.22±.02
.37±.008
CC
45°±.39
2 - ø.02
.04±.02
.30±.008
.35±.008
.01±.01
.20
.33

COMPRESSION WASHERS

- For mounting 539-SNP Series
- Compression 5:1
- Size 1.06" I.D. x 1.50" O.D.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Material	Washer Thickness	Panel Thickness	Price Each		
					1	25	50
539-PW1	A	Black ester foam	.063	11-12 GA (.125-.109)	.18	.16	.15
539-PW2	A	Black ester foam	.125	13-17 GA (.093-.056)	.34	.31	.28
539-PW3	A	Black ester foam	.187	18-22 GA (.050-.031)	.45	.40	.37

VOLUME CONTROL

- Manual
- Produces approximately -10dB to -15dB attenuation

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Material	Description	Price Each		
				1	25	50
539-SCVC	B	Black plastic	For SC series only	.96	.86	.72

MOUNTED PIEZO TRANSDUCERS

NEW FROM SUPPLIER

- No Circuitry

External Drive, No Feedback

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins / Leads	Resonant Frequency ±500 (Hz)	Operating Voltage (max.)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PT1540P	C	2 pins	4000	25Vp-p	1.5	85	1.30	1.12	1.01
539-PT2040P	D	2 pins	4000	30Vp-p	1.5	90	1.58	1.19	1.01
539-PT2020P	E	2 pins	2000	30Vp-p	1.5	80	1.65	1.48	1.33
539-PT1240P	F	2 pins	4100	20Vp-p	2.0	80	2.44	2.10	1.88
539-PT1250W	G	2 wires	4800	30Vp-p	1.5	80	1.94	1.68	1.51
539-PT1550W	H	2 wires	5000	25Vp-p	1.5	80	1.10	.95	.84
539-PT2060W	I	2 wires	6000	30Vp-p	1.5	90	1.03	.89	.79
539-PT2725W	J	2 wires	2500	30Vp-p	1.5	90	.85	.79	.77
539-PT2745W	K	2 wires	4500	30Vp-p	1.5	90	1.07	.92	.82
539-PT2130PQ	L	2 pins	3000	30Vp-p	5.0	90	1.54	1.20	1.14
539-PT2726PQ	M	2 pins	2500	30Vp-p	1.5	90	1.90	1.52	1.45

Self Drive, With Feedback

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins / Leads	Resonant Frequency ±500 (Hz)	Operating Voltage (max.)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PT2735FPL	N	3 pins	3500	3-28VDC	10	88	1.73	1.50	1.34
539-PT3529FP	O	3 pins	2900	3-28VDC	8	90	2.18	1.89	1.68
539-PT2038FW	I	3 wires	3800	3-28VDC	8	85	1.22	1.08	.97
539-PT2065FW	I	3 wires	6500	3-28VDC	8	85	1.62	1.53	1.17
539-PT2745FW	K	3 wires	4000	3-28VDC	8	85	.99	.85	.76
539-PT3529FW	P	3 wires	2900	3-28VDC	8	90	1.45	1.26	1.15

Telephone Ringer

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Pins / Leads	Resonant Frequency ±500 (Hz)	Operating Voltage (max.)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PT4175W	Q	2 wires	750	40Vp-p	1.5	87	2.26	1.96	1.76

PIEZO AUDIO TRANSDUCERS, MINIATURE SPEAKERS

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Type	Resonant Frequency ±200 (Hz)	Operating Voltage (max.)	Impedance (Ω)	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PB2015W	R	Cone	1500	2-5Vp-p	8.0	75	3.65	3.22	2.87
539-PB2712P	S	Cone	1250	2-5Vp-p	8.0	85	3.65	3.24	2.89

PIEZO ELECTRO-MAGNETIC TRANSDUCERS, SMALL SIZE

NEW FROM SUPPLIER

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rated Voltage (V)	Resonant Frequency (Hz)	Operating Voltage (V)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PB1220P	T	1.5	2048	1.25 - 2.5	40	85	1.53	1.42	1.12
539-PB1221P	T	1.5	2048	1.25 - 2.5	18	80	1.44	1.37	1.05
539-PB1621P	U	5	2048	4-7	60	85	2.23	1.94	1.72
539-PB1622P	U	12	2048	10-14	40	85	1.82	1.58	1.40
539-PB09C27PE01AQ	V	1.5	2731	1.25-2.0	70	80	1.88	1.50	1.35
539-PB09C27PE03AQ	W	3.0	2731	2.0-5.0	70	80	1.88	1.50	1.35
539-PB09C27PE05AQ	X	5.0	2731	4.5-5.5	70	85	1.88	1.50	1.35
539-PB1820PL06AQ	Y	6.0	3250	3.0-10.0	40	85	1.93	1.54	1.39
539-PB0627PE05AQ	Z	5.0	2731	4.0-5.0	90	70	3.13	2.50	2.25
539-PB0927PD1AQ	AA	5.0	2700	3.0-7.0	80	85	1.93	1.54	1.39
539-PB1226PEAQ	BB	1.5	2600	1.1-3.0	30	85	.53	.42	.38
539-PB1420PL03AQ	CC	3.0	2000	1.0-4.0	35	85	2.03	1.62	1.46

MALLORY Audible Alarms and Buzzers

ELECTRO-MAGNETIC INDICATORS

Small Size

NEW FROM SUPPLIER

- With Circuitry

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Rated Voltage (V)	Resonant Frequency (Hz)	Operating Voltage (V)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PB12N23P01	A	1	2300	1.25-2.5	25	80	3.79	3.27	3.01
539-PB12N23P05	A	5	2300	4.5-5.5	50	85	3.46	3.10	2.83
539-PB12N23P12	A	12	2300	9.0-15	50	85	2.93	2.68	2.31
539-PB12N32MP05AQ	B	5	3200	3-7	50	85	2.70	2.16	1.95
539-PK26N04P06AQ	C	6	450	4-8	40	95	3.53	2.82	2.54
539-PK26N04P12AQ	D	12	400	8-14	45	95	3.53	2.82	2.54

PIEZO INDICATORS

- With Circuitry

PC Mount, 2 Pins

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pulse Rate	Oscillating Freq. ±.5 (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PB12N23P01	A	1	2300	1.25-2.5	25	80	3.79	3.27	3.01
539-PK20A38P	E	Constant	3.8	3-24	15	95	3.72	3.55	3.05
539-PK20A25P	E	Constant	2.5	3-24	25	95	3.92	3.76	3.26
539-PK27A25PS	F	Constant	2.5	3-24	10	95	4.33	3.89	3.54
539-PK27A35PS	F	Constant	3.5	3-24	10	95	4.65	4.48	3.98
539-PK12N40P	G	Constant	4.1	3-15	10	83	3.43	3.09	2.82
539-PK21A31P	B	Constant	3.0	3-24	18	85	8.14	7.01	4.98
539-PF21A31P	B	Fast	3.0	3-24	18	85	7.67	6.97	6.69
539-PL21A31P	B	Slow	3.0	3-24	18	85	6.27	5.70	5.46

Flange Mount, 2 Wires

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pulse Rate	Oscillating Freq. ±.5 (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PK21N30W	C	Constant	3.0	1.5-30	12	80	3.17	2.85	2.74
539-PK27N26W	D	Constant	2.5	3-28	15	90	4.38	3.97	3.62
539-PF27N36W	D	Fast	3.5	3-28	15	90	4.80	4.33	4.18
539-PL27N26W	D	Slow	2.5	3-28	15	90	6.16	5.56	5.36
539-PK27N36W	D	Constant	3.5	3-28	15	90	3.59	3.25	2.97

Flange Mount, 3 Wires

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pulse Rate	Oscillating Freq. ±.5 (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PLD27N36W	D	Con.+Slow	3.5	3-28	12	90	3.79	3.41	3.03

Panel and Flange Mount, 2 Wires

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pulse Rate	Oscillating Freq. ±.5 (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PK20A35EW	H	Constant	3.5	3-24	10	95	3.63	3.30	3.02
539-PF20A35EW	H	Fast	3.5	3-24	10	95	4.08	3.71	3.54

Panel and Flange Mount, 3 Wires

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Pulse Rate	Oscillating Freq. ±.5 (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	25	50
539-PFD20A35EW	H	Con.+Fast	3.5	3-24	10	95	4.56	4.13	3.96

PIEZOELECTRIC SIRENS

- Extra Loud

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Tone	Operating Frequency (kHz)	Operating Voltage (VDC)	Current (max.) mA	Sound Pressure dB (min.)	Price Each		
							1	10	25
539-PS520	I	Constant	3.0±.5	5-15	200	105	12.71	12.16	11.05
539-PS562	J	Hi-Low	2.5 / 3.5	5-15	40	100	7.14	6.84	6.21
539-PS983	K	Sweep	1.5-3.5	5-15	150	105	15.12	14.47	13.15

MULTI-TONES

The SC616WY tone patterns are pulsated high frequency, pulsated low frequency, and warble.

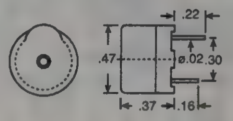
- Pulse rate per sec.: .5 - 1.2
- Operating temperature: -30°C to +65°C
- Operating voltage: 6 min., 16 max.

For quantities 100 and up, call for quote.

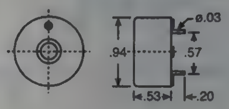
MOUSER STOCK NO.	Fig.	Frequency ±500 (kHz)		Sound Pressure dB (A) @ 2 ft.		Typical Operating Current (mA)		Price Each		
		Low	High	@ V Min.	@ V Max.	@ V Min.	@ V Max.	1	25	50
539-SC616WY	L	1.75	3.0	60	72	2	18	51.60	47.47	43.34

DIMENSIONS: In.

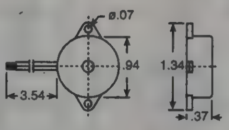
A



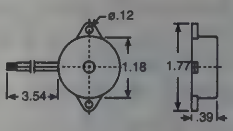
B



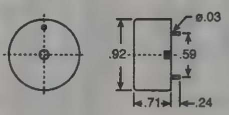
C



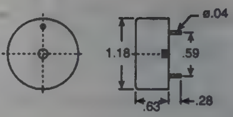
D



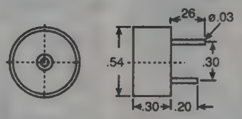
E



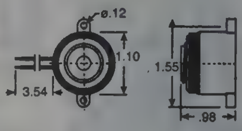
F



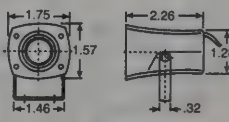
G



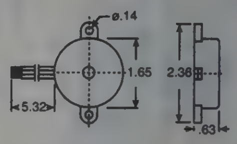
H



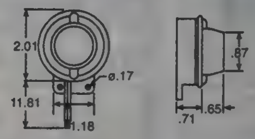
I



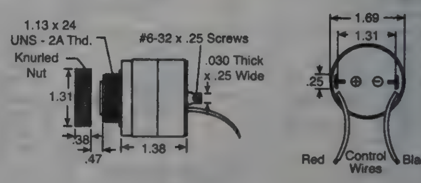
J



K



L



PROJECTS UNLIMITED Audio Transducers and Elements

ELECTROMECHANICAL AUDIO TRANSDUCERS

Specifications:

- Surface mount transducers are compatible with convection, IR and vapor phase
- Resonant frequency is typical
- Externally driven-require driver circuit to operate
- Tone dependent upon driver circuit used

SMT Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
665-SMT1028-SR	SMT-1028-S-R	A	2830 Hz	3.6 Vp-p	100 mA	93	10.0 x 10.0 x 3.5	2.88	2.62	2.29	1.94
665-SMT-0927-S4R	SMT-0927-S-4-R	A	2730 Hz	3.6 Vp-p	100 mA	85	9.0 x 9.0 x 4.0	3.64	3.37	2.91	2.55
665-SMT-05	SMT-05	A	2700 Hz	5.0 Vdc	80mA	85	14.0 x 11.0 x 3.4	3.76	3.23	2.79	2.44

PCB Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
*665-AT-1620-TWTR	AT-1620-TWT-R	D	2048 Hz	6 Vp-p	40 mA	85	ø16.0 x 14.0	1.43	1.30	1.14	1.08
665-MAT-001	MAT-001	D	3100 Hz	1.5 Vp-p	80 mA	85	ø9.6 x 6.5	4.84	4.40	3.85	3.25
665-AT-10Z	AT-10Z	E	2048 Hz	1.5 Vp-p	10 mA	85	ø12.0 x 8.5	.81	.74	.62	.54
*665-AT-1224TWTR	AT-1224-TWT-R	E	2400 Hz	5 Vp-p	40 mA	85	ø12.0 x 9.5	1.14	1.04	.91	.86
665-AT-101Z	AT-101Z	F	2048 Hz	1.5 Vp-p	10 mA	85	ø12.0 x 5.4	.73	.66	.58	.55

* Wave solderable and washable.

PIEZO AUDIO TRANSDUCERS

Specifications:

- Resonant frequency is typical
- Surface mount transducers are compatible with convection, IR and vapor phase
- Externally driven-require driver circuit to operate
- AT-121 has a third wire for feedback connection

SMT Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
665-SMT-1325	SMT-1325	B	4100 Hz	5 Vp-p	3 mA	75	12.8 x 12.8 x 2.5	2.05	1.86	1.63	1.38
665-SMT-1625	SMT-1625	B	4000 Hz	5 Vp-p	3 mA	70	16.0 x 16.0 x 2.5	1.80	1.64	1.44	1.22
665-SMT-2114A	SMT-2114A	C	4300 Hz	5 Vp-p	8 mA	90	14.8 x 14.2 x 10.7	3.15	2.86	2.50	2.11
665-SMT2118	SMT-2118	C	3000 Hz	5 Vp-p	7 mA	86	14.8 x 17.9 x 11.9	3.19	2.90	2.54	2.15

PCB Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
665-AT-124	AT-124	G	5800 Hz	5 Vp-p	2.5 mA	85	ø24.0 x 4.5	1.87	1.70	1.49	1.26
665-AT-132	AT-132	G	4600 Hz	5 Vp-p	1.8 mA	94	ø30.0 x 7.5	1.85	1.68	1.47	1.24
665-AT-4228-TWT-F-R	AT-4228-TWT-F-R	H	2800 Hz	12 Vp-p	7 mA	92	ø42.0 x 14.0	2.11	1.92	1.68	1.58
665-AT-148	AT-148	H	1300 Hz	10 Vp-p	11 mA	90	ø43.8 x 16.5	2.66	2.42	2.12	1.79
665-AT-1740-TT2R	AT-1740-TT-2-R	E	3800 Hz	5 Vp-p	1 mA	80	ø13.8 x 6.8	2.16	1.96	1.72	1.62
665-AT-2240-TWTR	AT-2240-TWT-R	G	4000 Hz	3 Vp-p	1 mA	85	ø24.0 x 7.3	1.30	1.18	1.03	.98
665-AT-22	AT-22	H	2800 Hz	12 Vp-p	8 mA	90	ø24.0 x 12.2	1.94	1.76	1.54	1.30
665-AT-23K	AT-23	I	3100 Hz	15 Vp-p	9 mA	94	ø28.5 x 6.2	2.35	2.14	1.87	1.58
665-AT-24K	AT-24	I	3600 Hz	15 Vp-p	8 mA	105	ø22.5 x 6.0	2.13	1.94	1.70	1.44
665-AT-33K	AT-33	I	2700 Hz	15 Vp-p	8 mA	96	ø23.6 x 8.1	3.56	3.24	2.84	2.40
665-AT-152	AT-152	J	4000 Hz	3 Vp-p	11 mA	80	ø16.5 x 4.0	1.30	1.18	1.03	.98
665-AT-2220-1	AT-2220-1	J	2048 Hz	10Vp-p	4mA	88	ø23.0 x 9.0	1.50	1.40	1.28	1.20

Flush and Flange Mount Type

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
665-AT-150	AT-150	K	4000 Hz	3 Vp-p	11 mA	80	ø16.5 x 4.0	1.10	1.00	.88	.82
665-AT-12	AT-12	L	5500 Hz	15 Vp-p	----	95	ø24.0 x 4.0	1.76	1.50	1.31	1.11
665-AT-121	AT-121	M	5000 Hz	12 VDC	8 mA	95	ø24.0 x 5.2	1.23	1.12	.98	.84
665-AT-142	AT-142	M	750 Hz	5 Vp-p	-----	85	ø44.0 x 14.0	2.11	1.92	1.68	1.42
665-AT-15	AT-15	M	3900 Hz	15 Vp-p	----	105	ø30.0 x 5.1	1.21	1.10	.96	.81
665-AT-14	AT-14	N	3300	16 Vp-p	----	110	ø41.8 x 16.0	2.11	1.92	1.68	1.59
665-AT-173	AT-173	N	3700 Hz	12 VDC	7 mA	98	ø32.0 x 13.5	1.80	1.64	1.44	1.22

PIEZO CERAMIC BENDERS (ELEMENTS)

Features:

- Variety of tones available if connected to an IC (TTL or CMOS drive)

Applications:

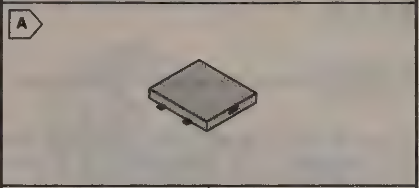
- Appliances, office equipment, cameras, calculators, pagers, telephones.

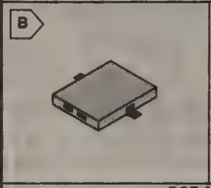
RoHS Compliant

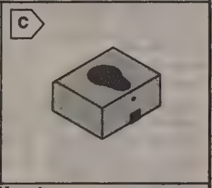
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Feedback Electrode	Resonant Freq. (Hz)	Input Volt.	Electrostatic Cap. (±30%)	Resonant Resist (max)	Dimensions (mm)		Price Each		
								øA	øB	1	25	50
665-AB2065B	AB2065B	O	No	6500	30Vp-p	14 nF	500 Ω	20.0 ± 0.1	15.0 ± 0.3	.20	.18	.16
665-KBI-2020	AB2020A	O	No	2000	20Vp-p	90 nF	300 Ω	20.0 ± 0.1	15.0 ± 0.3	.53	.48	.42
665-AB2746B	AB2746B	O	No	4600	20Vp-p	16 nF	500 Ω	27.0 ± 0.1	20.0 ± 0.4	.68	.62	.54
665-AB2745BF	AB2745BF	P	Yes	4500	20Vp-p	16 nF	500 Ω	27.0 ± 0.1	20.0 ± 0.4	.75	.68	.60
665-KBI-2036F	AB2036AF	P	Yes	3700	30Vp-p	20 nF	500 Ω	20.0 ± 0.1	15.0 ± 0.3	.86	.78	.68
665-KBI-1541	AB1541	O	No	4100	15Vp-p	8 nF	2000 Ω	15.0 ± 0.1	8.9 ± 0.1	.97	.83	.72
665-KBI-2734	AB2734B	O	No	3400	30Vp-p	13 nF	1000 Ω	27.0 ± 0.1	14.6 ± 0.5	.97	.83	.72
665-AB2737BF	AB2737BF	P	Yes	3700	20Vp-p	20 nF	400 Ω	27.0 ± 0.1	20.0 ± 0.4	1.01	.92	.81
665-KBI-2727	AB2728B	O	No	2800	30Vp-p	30 nF	300 Ω	27.0 ± 0.1	20.0 ± 0.5	1.08	.98	.86
665-AB2720B	AB2720B	O	No	2000	30Vp-p	45 nF	300 Ω	27.0 ± 0.1	20.0 ± 0.5	1.21	1.10	.96
665-KBI-3526	AB3526B	O	No	2600	30Vp-p	30 nF	300 Ω	35.0 ± 0.1	25.0 ± 0.5	1.21	1.10	.96
665-KBI-3529F	AB3529BF	P	Yes	2900	30Vp-p	25 nF	500 Ω	35.0 ± 0.1	25.0 ± 0.5	1.25	1.14	1.00
665-AB2720BF	AB2720BF	P	Yes	2000	30Vp-p	35 nF	500 Ω	27.0 ± 0.1	20.0 ± 0.3	1.54	1.40	1.23
665-KBI-4406	AB4406B	O	No	600	20Vp-p	70 nF	1000 Ω	44.0 ± 0.1	25.0 ± 0.4	1.69	1.54	1.35
665-AB2040B	AB2040B	O	No	4000	30Vp-p	25 nF	500 Ω	20.0 ± 0.1	15.0 ± 0.3	.18	.17	.14
665-AB2038BF	AB2038BF	P	Yes	3800	30Vp-p	17 nF	350 Ω	20.0 ± 0.1	15.0 ± 0.5	.72	.56	.48

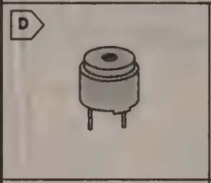
Surface Mount

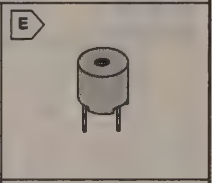
A


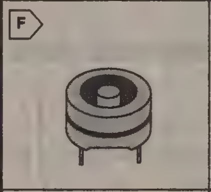
B


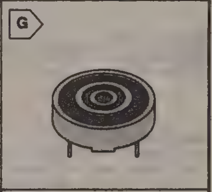
C


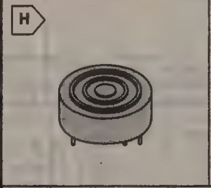
PCB Mount

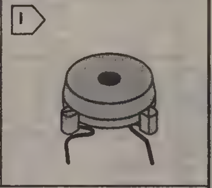
D


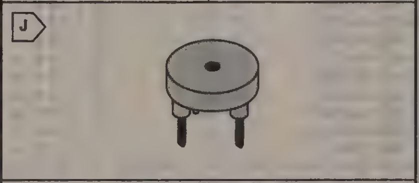
E


F


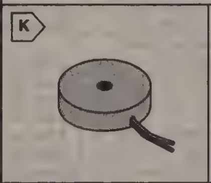
G


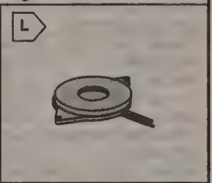
H


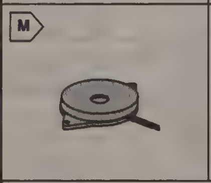
I


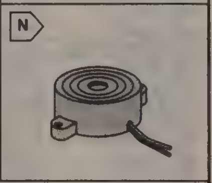
J


Flush and Flange Mount

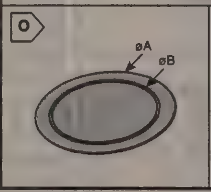
K


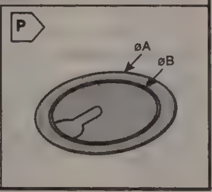
L


M


N


Elements

O


P


PROJECTS UNLIMITED Audio Indicators

ELECTROMECHANICAL AUDIO INDICATORS

Specifications:
- Self-contained drive circuitry-only require DC voltage supply to turn on
- Continuous tone

∗ Wave solderable and washable. † Lead Free ♦ Lead Free, wave solderable, and washable For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part Number	Fig.	Resonant Frequency	Rated Voltage	Rated Current	dBA @ 10 cm (typ.)	Dimen. (mm)	Price Each			
								1	25	50	100
PCB Mount Type											
∗665-AI-165	AI-165	A	2300 Hz	12 VDC	30 mA	85	ø12 x 9.5	2.64	2.40	2.10	1.99
∗665-AI-185	AI-185	B	2200 Hz	5 VDC	30 mA	85	ø16 x14	3.12	2.84	2.49	2.10
∗665-AI-195	AI-195	B	2200 Hz	12 VDC	30 mA	85	ø16 x14	2.79	2.54	2.22	1.87
† 665-AI-1223TWT12VR	AI-1223-TWT-12-VR	C	2300±400	12 VDC	30 mA	85	ø12 x 9.5	2.70	2.40	2.28	1.99
† 665-AI-1622TWT12VR	AI-1622-TWT-12VR	D	2200±300	12 VDC	30 mA	85	ø16 x 14.0	2.86	2.54	2.41	1.87
† 665-AI-1622WT5VR	AI-1622-TWT-5VR	D	2200±300	5 VDC	30 mA	85	ø16 x 14.0	3.20	2.84	2.70	2.10
♦ 665-AI-1223TWT5VR	AI-1223-TWT-5V-R	C	2300±300	5 VDC	30 mA	85	ø12 x 9.5	2.70	2.40	2.28	1.99
Flange Mount Type											
665-AI-606	AI-606	M	400 Hz	6 VDC	22 mA	89	ø26 x16.2	3.92	3.56	3.12	2.64
665-AI-612	AI-612	M	400 Hz	12 VDC	50 mA	89	ø26 x16.2	3.92	3.56	3.12	2.64
665-AI-624	AI-624	M	400 Hz	24 VDC	25 mA	92	ø26 x16.2	3.92	3.56	3.12	2.64

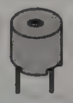
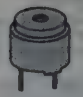
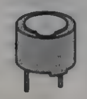
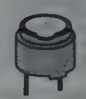
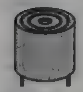
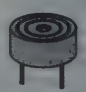
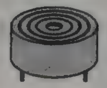
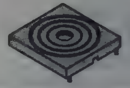
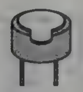
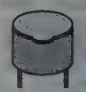
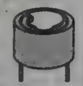
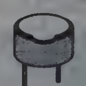
PIEZO AUDIO INDICATORS

Specifications:
- Self-contained drive circuitry - only require DC voltage supply to turn on.
- AC voltages listed are non-polar
- AI-400, X-10P have ceramic elements
- AI-256/258 have black ABS case
- AI-3120S has continuous/pulsing tone, depending on wiring combination used

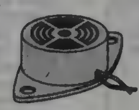
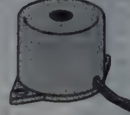
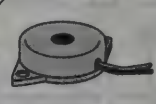
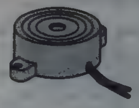
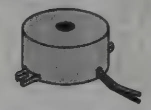
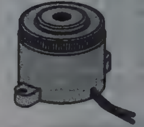
∗ Wave solderable and washable. † Lead Free ◊ Lead Free, wave solderable and washable For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part Number	Fig.	Resonant Frequency	Rated Voltage	Rated Current	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
PCB Mount Type - Continuous Tone											
665-X-80	X-80	B	2900 Hz	12VDC	35 mA	107	ø25 x 22.8	4.03	3.81	3.59	3.43
665-AI-254K	AI-254	E	3700 Hz	12 VDC	8 mA	100	ø24 x 18	3.68	2.95	2.60	2.50
665-AI-254H	AI-254H	E	3800 Hz	12 VDC	8 mA	95	ø24 x 18	4.44	4.04	3.54	2.99
∗665-AI-254KS	AI-254S	E	3700 Hz	12 VDC	8 mA	100	ø24 x 18	4.03	3.66	3.20	3.03
665-AI-258	AI-258	F	3200 Hz	12 VDC	13 mA	85	ø23.3 x 10.2	3.15	2.86	2.50	2.11
∗665-AI-278	AI-278	F	1800 Hz	12 VDC	13 mA	87	ø30 x 17.5	3.81	3.46	3.03	2.56
∗665-AI-400K	AI-400	G	2800 Hz	12 VDC	10 mA	99	ø42 x 14	3.26	2.96	2.59	2.45
665-AI-550	AI-550	E	2900 Hz	12 VDC	8 mA	90	ø23.8 x 16	2.77	2.52	2.21	2.08
∗665-AI-550KS	AI-550S	E	2900 Hz	12 VDC	8 mA	90	ø23.8 x 16	3.45	3.14	2.75	2.60
∗665-AI-550AS	AI-550AS	E	2900 Hz	12 VDC	8 mA	100	ø23.8 x 16	4.11	3.74	3.27	3.10
665-X10PK	X-10P	H	3300 Hz	12 VDC	8 mA	100	40 x 40 x 8.1	7.35	6.68	5.85	4.95
♦665-AI-1440TWT12VR	AI-1440-TWT-12VR	I	4000±500	12 VDC	7 mA	80	ø13.8 x 7.5	3.24	2.88	2.74	2.38
†665-AI-2331TWTR	AI-2331-TWT-R	J	3100±500	12 VDC	15 mA	85	ø23.4 x 9.7	2.75	2.44	2.32	2.02
†665-AI-2429TWTR	AI-2429-TWT-R	K	2900±500	12 VDC	8 mA	100	ø23.8 x 16.0	3.42	3.04	2.89	2.52
†665-AI-2437TWTR	AI-2437-TWT-R	L	3700±500	12 VDC	8 mA	100	ø24.0 x 18.0	4.11	3.66	3.48	3.03
Flange Mount Type - Continuous Tone											
665-AI-250	AI-250	N	3700 Hz	12 VDC	8 mA	100	ø23 x 17	3.50	3.18	2.78	2.63
665-AI-250H	AI-250H	N	3500 Hz	12 VDC	12 mA	97	ø23 x 17	4.44	4.04	3.54	2.99
665-AI-251	AI-251	O	4500 Hz	12 VDC	5 mA	90	ø22 x 11	2.77	2.52	2.21	2.09
665-AI-430	AI-430	P	2800 Hz	12 VDC	7 mA	95	ø41.8 x 16	3.12	2.84	2.49	2.27
665-AI4228-TFLW1403R	AI-4228-TFLW140-3-R	P	2800 Hz	12 VDC	10 mA	105	ø41.8 x 16	3.59	3.26	2.85	2.70
665-AI-431H	AI-431H	P	2800 Hz	12 VDC	15 mA	105	ø41.8 x 16	3.59	3.26	2.85	2.70
† 665-AI-4228TFLW140R	AI-4228-TFLW-140-R	O	2800±500	12 VDC	10 mA	105	ø60 x 10	3.66	3.26	3.10	2.70
665-X-30	X-30	Q	3300 Hz	12 VDC	6 mA	106	ø40 x 23	6.93	6.30	5.51	4.67
665-XL-450	XL-450	R	3500 Hz	12 VDC	10 mA	100	ø28 x 25.4	4.93	4.48	3.92	3.32
Flange Mount Type - Fast Pulse Tone											
665-AI-433	AI-433	P	2800 Hz	12 VDC	10 mA	98	ø41.8 x 16	5.94	5.40	4.73	4.47
665-XL-451	XL-451	R	3500 Hz	12 VDC	10 mA	95	ø28 x 25.4	6.69	6.08	5.32	4.51
Panel Mount Type - Continuous Tone											
665-AI-3120D	AI-3120D	S	2900 Hz	12 VDC	25 mA	90	ø33.5 x 34.5	10.12	9.20	8.05	6.81
665-AI-3120S	AI-3120S	S	2900 Hz	12 VDC	30 mA	95	ø33.5 x 34.5	8.23	7.48	6.55	5.55
665-AI-380K	AI-380	T	2800 Hz	12 VDC	18 mA	105	ø43 x 43.5	9.04	8.22	7.19	6.80
665-AI-382	AI-382	T	2800 Hz	120 VDC	18 mA	105	ø43 x 43.5	13.64	12.40	10.85	10.26
665-AI-383	AI-383	T	2800 Hz	12 VDC	7 mA	91	ø43 x 43.5	18.39	16.72	14.63	12.39
665-AI-390	AI-390	U	2900 Hz	24 VDC	15 mA	85	ø42 x 20.5	5.06	4.60	4.03	3.41
665-AI-750S	AI-750S	V	3600 Hz	12 VDC	8mA	90	ø36.5 x 23.6	12.50	11.36	9.94	9.37
665-X-4028-P-C32-R	X-4028-P-C32-R	W	2800 Hz	32 VDC	22 mA	105	40 x 40 x 23	7.90	7.18	6.28	5.32
665-X70K	X-70	X	2800 Hz	6 VDC	20 mA	103	ø53 x 31	11.88	10.80	9.45	8.00
Panel Mount Type - Slow Pulse Tone											
665-AI-381P	AI-381P	T	2900 Hz	28 VDC	6 mA	88	ø43 x 43.5	9.92	9.02	7.89	7.46
665-XL-453	XL-453	X	3500 Hz	12 VDC	6 mA	97	ø28 x 25.4	6.69	6.08	5.32	4.51
Panel Mount Type - Fast Pulse Tone											
665-AI-381	AI-381	T	2900 Hz	12 VDC	6 mA	88	ø43 x 43.5	9.92	9.02	7.89	7.46
665-X-21	X-21	W	2800 Hz	32 VDC	18 mA	95	40 x 40 x 23	9.46	8.60	7.53	6.38

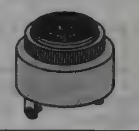
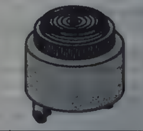
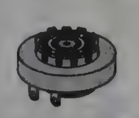
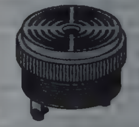
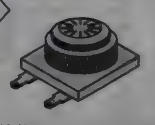
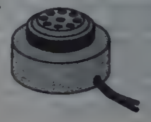
PCB Mount

A

B

C

D

E

F

G

H

I

J

K

L


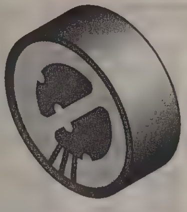
Flange Mount

M

N

O

P

Q

R


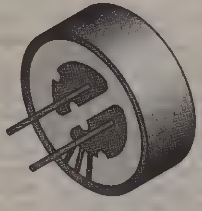
Flush and Panel Mount

S

T

U

V

W

X


PROJECTS UNLIMITED Electret Condenser Microphones



Solder Pad



Pin

OMNI-DIRECTIONAL PIN ELECTRET CONDENSER MICROPHONES

Features:

- Standard Supply Voltage: 2VDC
- Signal-Noise Ratio: >60dB
- Terminal Type: Pin

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Dimensions	Sensitivity	Maximum Impedance	Power Supply	Price Each			
						1	25	50	100
665-TOM1545P	TOM-1545P	4 x 1.5	-45 ± 3 dB	2.20 kΩ	2.0 Vdc	**2.02**	**1.84**	**1.61**	**1.38**
665-ROM-2244P-NF	ROM-2244P-NF	5.8 x 2.2	-47 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.61**	**1.46**	**1.28**	**1.09**
665-SOM-1547P	SOM-1547P	6 x 1.5	-44 ± 3 dB	2.20 kΩ	2.0 Vdc	**2.60**	**2.37**	**2.07**	**1.78**
665-SOM-1844P	SOM-1844P	6 x 1.8	-54 ± 3 dB	2.20 kΩ	2.0 Vdc	**2.93**	**2.66**	**2.33**	**1.97**
665-POM-2246P-2	POM-2246P-2	6 x 2.2	-46 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.61**	**1.46**	**1.28**	**1.09**
665-POM-2244P	POM-2244P	6 x 2.2	-44 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.74**	**1.58**	**1.38**	**1.18**
665-POM-2244P-2	POM-2244P-2	6 x 2.2	-44 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.61**	**1.46**	**1.28**	**1.09**
665-POM-2246P	POM-2246P	6 x 2.2	-46 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.74**	**1.58**	**1.38**	**1.18**
665-POM-2735P	POM-2735P	6 x 2.7	-38 ± 3 dB	2.20 kΩ	2.0 Vdc	**.66**	**.59**	**.53**	**.44**
665-POM-2738P	POM-2738P	6 x 2.7	-40 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.52**	**1.38**	**1.21**	**1.03**
665-POM-2742P	POM-2742P	6 x 2.7	-42 ± 3 dB	2.20 kΩ	3.0 Vdc	**1.50**	**1.36**	**1.19**	**1.01**
665-POM-2746P	POM-2746P	6 x 2.7	-42 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.52**	**1.38**	**1.21**	**1.03**
665-POM-2744P	POM-2744P	6 x 2.7	-44 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.50**	**1.36**	**1.19**	**1.01**
665-POM-3042P	POM-3042P	6 x 3.0	-44 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.52**	**1.38**	**1.21**	**1.03**
665-POM-3546P	POM-3546P	6 x 3.5	-38 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.47**	**1.34**	**1.17**	**1.01**
665-PUM-5050P-2	PUM-5050P-2	6 x 5.0	-38 ± 3 dB	2.20 kΩ	2.0 Vdc	**2.60**	**2.37**	**2.07**	**1.78**
665-POM-5242P	POM-5242P	6 x 5.2	-46 ± 3 dB	2.20 kΩ	2.0 Vdc	**.97**	**.88**	**.77**	**.66**
665-POM-5246P	POM-5246P	6 x 5.2	-46 ± 4 dB	2.20 kΩ	2.0 Vdc	**.97**	**.88**	**.77**	**.66**
665-AOM-6540P	AOM-6540P	9.4 x 6.5	-40 ± 2 dB	1.50 kΩ	1.5 Vdc	**.73**	**.66**	**.58**	**.48**
665-AOM-6545P	AOM-6545P	9.4 x 6.5	-45 ± 2 dB	1.00 kΩ	4.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4540P	AOM-4540P	9.7 x 4.5	-40 ± 3 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4540P-NF	AOM-4540P-NF	9.7 x 4.5	-40 ± 3 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4542P	AOM-4542P	9.7 x 4.5	-42 ± 3 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4542P-NF	AOM-4542P-NF	9.7 x 4.5	-42 ± 3 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4544P	AOM-4544P	9.7 x 4.5	-44 ± 2 dB	2.20 kΩ	3.0 Vdc	**.62**	**.56**	**.49**	**.42**
665-AOM-4544P-2	AOM-4544P-2	9.7 x 4.5	-44 ± 2 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4544P-3	AOM-4544P-3	9.7 x 4.5	-44 ± 2 dB	3.00 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4544P-NF	AOM-4544P-NF	9.7 x 4.5	-44 ± 2 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4546P	AOM-4546P	9.7 x 4.5	-46 ± 3 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-4546P-NF	AOM-4546P-NF	9.7 x 4.5	-46 ± 3 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**
665-AOM-6738P	AOM-6738P	9.7 x 6.7	-38 ± 3 dB	2.20 kΩ	1.5 Vdc	**.88**	**.81**	**.70**	**.60**

UNI-DIRECTIONAL ELECTRET CONDENSER MICROPHONES

Features:

- Standard Supply Voltage: 2VDC
- Signal-Noise Ratio: >60dB
- Terminal Type: Solder Pad

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Dimensions	Sensitivity	Maximum Impedance	Power Supply	Price Each			
						1	25	50	100
665-PUM-3046L	PUM-3046L	6 x 3.0	-50 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.78**	**1.61**	**1.42**	**1.21**
665-PUM-3546L	PUM-3546L	6 x 3.5	-50 ± 4 dB	2.20 kΩ	2.0 Vdc	**1.78**	**1.61**	**1.42**	**1.21**
665-PUM-5250L	PUM-5250L	6 x 5.2	-38 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.10**	**.99**	**.88**	**.75**
665-DUM-5246L	DUM-5246L	8 x 5.2	-46 ± 4 dB	2.20 kΩ	2.0 Vdc	**1.39**	**1.27**	**1.10**	**.95**
665-CUM-4537L	CUM-4537L	9.7 x 4.5	-37 ± 3 dB	1.80 kΩ	1.5 Vdc	**2.66**	**2.43**	**2.12**	**1.82**
665-AUM-5247L	AUM-5247L	9.7 x 5.2	-44 ± 4 dB	0.68 kΩ	1.5 Vdc	**1.30**	**1.17**	**1.03**	**.88**

NOISE CANCELING ELECTRET CONDENSER MICROPHONES

Features:

- Standard Supply Voltage: 2VDC
- Signal-Noise Ratio: >60dB
- Terminal Type: Solder Pad

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Dimensions	Sensitivity	Maximum Impedance	Power Supply	Price Each			
						1	25	50	100
665-TNM-3054L	TNM-3054L	4.5 x 3.0	-45 ± 3 dB	2.20 kΩ	2.0 Vdc	**1.78**	**1.61**	**1.42**	**1.21**
665-PNM-2751L	PNM-2751L	6 x 2.7	-51 ± 4 dB	2.20 kΩ	2.0 Vdc	**2.42**	**2.20**	**1.93**	**1.62**
665-PNM-3546L	PNM-3546L	6 x 3.5	-46 ± 4 dB	2.20 kΩ	2.0 Vdc	**1.61**	**1.46**	**1.28**	**1.09**
665-PNM-5250L	PNM-5250L	6 x 5.2	-50 ± 4 dB	2.20 kΩ	1.5 Vdc	**1.01**	**.92**	**.81**	**.69**
665-ANM-5254L	ANM-5254L	9.7 x 5.2	-54 ± 4 dB	0.68 kΩ	1.5 Vdc	**.92**	**.84**	**.74**	**.63**

PROJECTS UNLIMITED Speakers

DYNAMIC SPEAKERS

- Variety of sizes
- Variety of impedances
- Light weight

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Shape	Terminal Type	Frequency Range (Hz)	Rated Input (W)	Imp (Ω)	Dimensions (mm) H x W x L	Price Each 1	25	50	100
665-AS01832MR-S	AS01832MR-S	A	Round	Solder Pad	700 - 5500	0.25 W	32	3.6 x 18 x 18	3.04	2.84	2.49	2.13
665-AS02032MR	AS02032MR	A	Round	Solder Pad	840 - 4500	0.08 W	32	4.1 x 20 x 20	2.09	1.95	1.72	1.47
665-AS02332MR	AS02332MR	A	Round	Solder Pad	590 - 7000	0.1 W	32	2.9 x 23 x 23	1.46	1.36	1.19	1.02
665-AS02508CO	AS02508CO	B	Oval	Solder Pad	750 - 20000	1.5 W	8	4.5 x 14 x 25	2.72	2.55	2.22	1.91
665-AS02808MR-2	AS02808MR-2	A	Round	Solder Pad	600 - 20000	0.5 W	8	4.4 x 28 x 28	1.46	1.36	1.19	1.02
665-AS03008MR	AS03008MR	A	Round	Solder Pad	650 -15,000	0.5 W	8	4.8 x 30 x 30	5.38	5.03	4.41	3.78
665-AS04004MR	AS04004MR	A	Round	Solder Pad	600 - 7500	1.0 W	4	5.1 x 40 x 40	4.11	3.85	3.36	2.89
665-AS05708PR	AS05708PR	A	Round	Solder Pad	450 - 4000	0.5 W	8	13 x 57 x 57	2.09	1.95	1.72	1.47
665-AS07008PO	AS07008PO	B	Oval	Leads For Wires	100 - 20000	2.0 W	8	23 x 30.5 x 70	3.48	3.26	2.85	2.44
665-AS07104PO	AS07104PO	B	Oval	Leads For Wires	100 - 20000	3.0 W	4	25 x 41 x 71	2.22	2.07	1.82	1.55
665-AS10208PS	AS10208PS	A	Round	Leads For Wires	180 - 12000	4.0 W	8	48 x 102 x 102	5.38	5.03	4.41	3.78
665-AS1332-02	AS1332-02	A	Round	Solder Pad	700 - 5000	0.2 W	32	2.8 x 13 x 13	2.22	2.07	1.82	1.55
665-AS1508-33	AS1508-33	A	Round	Solder Pad	920 - 5000	0.5 W	8	2.9 x 15 x 15	2.47	2.31	2.01	1.73
665-AS2016-03	AS2016-03	A	Round	Solder Pad	600 - 7000	0.3 W	16	3 x 20 x 20	3.04	2.84	2.49	2.13
665-AS2308-31	AS2308-31	A	Round	Solder Pad	400 - 10000	0.4 W	8	5.2 x 23 x 23	1.46	1.36	1.19	1.02
665-AS2804-72	AS2804-72	A	Round	Solder Pad	500 - 20000	1.0 W	4	5.3 x 28 x 28	4.37	4.09	3.57	3.06
665-AS2832M-32	AS2832M-32	A	Round	Solder Pad	600 - 6500	0.25 W	32	4.4 x 28 x 28	.89	.83	.72	.62
665-AS351604	AS351604-2	B	Oval	Solder Pad	500 - 1200	1.0 W	4	4.9 x 16 x 35.3	4.36	3.37	3.20	3.06
665-AS3608-34	AS3608-34	A	Round	Solder Pad	500 - 4500	0.5 W	8	4.6 x 36 x 36	1.33	1.24	1.09	.93
665-AS3608-72	AS3608-72	A	Round	Solder Pad	600 - 9000	0.25 W	8	4.4 x 36 x 36	1.58	1.48	1.30	1.11
665-AS4008-33	AS4008-33	A	Round	Leads For Wires	500 - 5000	1.0 W	8	14 x 40 x 40	.76	.71	.63	.53
665-AS4008S-33	AS4008S-33	C	Square	Leads For Wires	530 - 8000	0.2 W	8	15.7 x 40.5 x 40.5	2.52	1.95	1.82	1.77
665-AS4016M-32	AS4016M-32	A	Round	Leads For Wires	600 - 5200	1.0 W	16	10.6 x 40 x 40	1.52	1.42	1.24	1.07
665-AS403008-32	AS403008-32	B	Oval	Leads For Wires	450 - 20000	1.0 W	8	11.5 x 28.3 x 40	2.47	2.31	2.01	1.73
665-AS403016-32	AS403016-32	B	Oval	Leads For Wires	450 - 20000	1.0 W	16	11.5 x 40 x 28.3	2.72	2.55	2.22	1.91
665-AS4032-32	AS4032-32	A	Round	Leads For Wires	600 - 5000	0.1 W	32	10.6 x 40 x 40	1.65	1.54	1.35	1.28
665-AS4508M	AS4508M	A	Round	Solder Pad	450 - 5000	1.0 W	8	5.2 x 45 x 45	2.66	2.49	2.17	1.87
665-AS5008-32	AS5008-32	A	Round	Leads For Wires	550 - 4500	0.2 W	8	18.5 x 50 x 50	1.39	1.30	1.14	.98
665-AS05008MR-3	AS05008MR-3	A	Round	Leads For Wires	800 - 5000	1.5 W	8	10.5 x 50 x 50	1.71	1.60	1.40	1.20
665-AS5008M-33	AS5008M-33	A	Round	Solder Pad	350 - 20000	1.0 W	8	7.2 x 50 x 50	1.20	1.13	.98	.84
665-AS06608MR	AS06608MR	A	Round	Solder Pad	380 - 7500	0.5 W	8	12.5 x 66 x 66	2.32	1.80	1.70	1.60
665-AS704008-32	AS704008-32	B	Oval	Leads For Wires	100 - 20000	3.0 W	8	23.5 x 71 x 41	4.08	3.14	3.00	2.86
665-AS7708-31	AS7708-31	A	Round	Leads For Wires	200 - 5000	0.5 W	8	17 x 77 x 77	1.58	1.48	1.31	1.11
665-AS7708-32	AS7708-32	A	Round	Leads For Wires	200 - 5000	0.5 W	8	20.5 x 77 x 77	1.84	1.72	1.45	1.29
665-AS7708M-32	AS7708M-32	A	Round	Leads For Wires	200 - 5000	0.5 W	8	20.5 x 77 x 77	1.77	1.66	1.40	1.24
665-AS905008-33	AS905008-33	B	Oval	Leads For Wires	200 - 20000	4.0 W	16	42.7 x 50 x 90	3.73	3.49	2.96	2.62

THIN DYNAMIC SPEAKERS

- Low profile, light weight.
- Impedance: 8Ω
- Part numbers ending in "M" have mylar cones

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Input (W)	Dimensions (mm) A	B	Price Each 1	25	50	100
665-AT-38008M	AT-38008M	D	700-4K	0.1	38	8	7.15	6.50	5.69	4.82
665-AT-50008M	AT-50008M	D	450-4K	0.2	50	9	6.64	6.04	5.29	4.48
665-AT-57008M	AT-57008M	D	400-4K	0.25	57	9.6	7.15	6.50	5.69	4.82

SUPER THIN FLAT SPEAKERS

- Low profile
- Impedance: 8Ω
- Stainless steel diaphragm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Input (W)	Dimensions (mm) A	B	Price Each 1	25	50	100
665-FS-30R	FS-30R	E	1.3K-8K	0.4	30	5	2.60	2.36	2.07	1.75
665-FS-30S	FS-30S	F	1.3K-8K	0.4	30	5	2.60	2.36	2.07	1.75
665-FS-40R	FS-40R	E	600-6K	0.4	40	5	2.77	2.52	2.21	1.87
665-FS-40S	FS-40S	F	600-6K	0.4	40	5	2.77	2.52	2.21	1.87
665-FS-50R	FS-50R	E	500-4K	0.4	50	5	2.95	2.68	2.35	1.99
665-FS-50S	FS-50S	F	500-4K	0.4	50	5	2.95	2.68	2.35	1.99

PIEZO CERAMIC SPEAKERS

- Surface or flush mount w/ lead wires
- Voltage range: 1-30V
- 900 Hz resonant frequency

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Voltage	dBA @ 10cm (typ.)	Price Each 1	25	50	100
665-APS-100	APS-100	G	500-20K	5 Vp-p	85	2.05	1.86	1.63	1.38

MICRO SPEAKERS

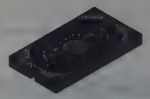
- Flat design
- High output level

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Input (W)	Impedance (Ω)	Price Each 1	25	50	100
665-AS1308-02	AS1308-02	H	800-5K	0.2	8	2.71	2.46	2.15	1.83

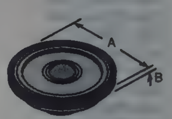
A

B

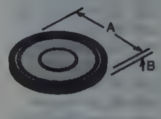


C

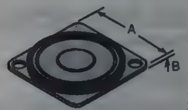
D



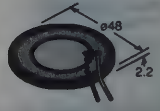
E



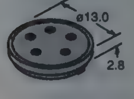
F



G



H



PROJECTS UNLIMITED Speakers and Vibration Motors

PIEZO AUDIO INDICATORS

- UL Recognized

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	SPL @ 10 cm (min)	Mounting Type	Price Each			
							1	25	50	100
Continuous Tone										
665-AI-380H	AI-380H	A	2900 ± 500	12VDC	107dBA	Panel Mount	17.12	14.86	14.08	13.26
665-AI-4228PC28	AI-4228-P-C28	A	2800 ± 500	12VDC	88dBA	Panel Mount	14.14	13.11	11.45	10.60
665-AI-4219PC48	AI-4219-P-C48	A	1900 ± 500	24VDC	81dBA	Panel Mount	27.26	24.41	22.95	19.95
Fast Pulse										
665-AI-4228PFP120	AI-4228-P-FP120	A	2800 ± 500	110VAC	92dBA	Panel Mount	46.79	43.87	42.58	35.30
Slow Pulse										
665-AI-4228PSP28	AI-4228-P-SP28	A	2800 ± 500	12VDC	88dBA	Panel Mount	23.20	21.05	19.08	16.58
Chime										
665-AI-4228PCH16	AI-4228-P-CH16	A	2900 ± 500	12VDC	86dBA	Panel Mount	27.41	23.64	22.09	19.64

SPEAKER AUDIO TRANSDUCERS

Features:

- PCB mount, except AT-263, which has solder terminals.
- AT-2308 and AT-3108 have mylar cones.
- AT-2308 and AT-3108 are wave solderable.

Applications:

- AT-2308 and AT-3108 can be used in miniaturized systems such as keyboards and hand-held devices.
- AT-261 and AT-262 are suitable for voice synthesizing.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency (Hz)	Rated Input (W)	Impedance (Ω)	Price Each			
						1	25	50	100
665-AT-41	AT-41	B	1400 ± 280	0.15	8	1.50	1.36	1.19	1.13
665-AT-42	AT-42	B	1400 ± 280	0.15	32	2.66	2.42	2.12	1.79
665-AT-40	AT-40	B	1400 ± 280	0.15	100	2.73	2.48	2.17	1.99
665-AT-261	AT-261	C	1000 ± 200	0.1	8	6.82	6.20	5.43	4.59
665-AT-263	AT-263	D	1000 ± 200	0.1	8	8.14	7.40	6.48	5.48
665-AST-02308MR-R	AST-02308MR-R	E	1500 ± 300	0.08	8	2.40	2.18	1.91	1.81
665-AT-3108	AT-3108	E	1500 ± 300	0.1	8	2.18	1.98	1.73	1.64
* 665-AST03008MRR	AST-03008MR-R	B	1400 ± 280	0.89	8	1.53	1.36	1.29	1.13
* 665-AT-1220TTR	AT-1220-TT-R	F	2048 ± 500	1.5	42	.83	.74	.70	.62
* 665-AT-1438TWTR	AT-1438-TWT-R	F	3800 ± 500	5	-	2.21	1.96	1.86	1.62
* 665-AT-1620TWT12VR	AT-1620-TWT12V-R	G	2048 ± 500	12	115	1.73	1.54	1.46	1.15
* 665-AT-2440TWTR	AT-2440-TWT-R	H	4000 ± 500	3	-	1.33	1.18	1.12	.98
* 665-AT-1220TT2R	AT-1220-TT2-R	I	2048 ± 500	1.5	16	.83	.74	.70	.62
* 665-AT-1220TTSLR	AT-1220-TTSL-R	I	2048 ± 500	1.5	50	.92	.84	.78	.70
* 665-AT-1224TWTR	AT-1224-TWT-R	F	2400 ± 500	5	47	1.17	1.04	.99	.86
* 665-AT-1620-TWT-LF	AT-1620-TWT-LF	G	2048 ± 500	6	50	2.22	1.67	1.48	1.30

* Lead Free Product

MINIATURE SPEAKER TRANSDUCERS

Features: • Small size, low profile. • Broad frequency range. • High reliability. • Mylar cone, nickel finish.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Frequency Range (Hz)	Rated Input (W)	Impedance (Ω)	Price Each			
						1	25	50	100
665-ADS-2008	ADS-2008	J	750-5000	0.08	8	2.13	1.94	1.70	1.44
665-ADS-2908	ADS-2908	K	650-4000	0.1	8	1.76	1.60	1.40	1.19

VIBRATION MOTORS

Features: • Coreless motor • Low noise • MV4020-13CN has subminiature connector. • MV4020-13HL has lead wires only & is PCB mount.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	PUI Part No.	Fig.	Rated Voltage	Rated Speed	Rated Current	Price Each			
						1	25	50	100
665-MV4020-13HL	MV4020-13HL	L	1.3 VDC	9000 RPM	90 mA	6.82	6.20	5.43	4.60

MINIATURE PIEZO SIREN

- Frequency sweep: 1500-2000 Hz • Sweep rate: 4.5 Hz ± 20% • Adjustable mounting bracket of black, cold-rolled steel. • Black ABS case.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Fig.	dBA @ 10 cm (typ.)	Supply Voltage	Dimensions (mm)	Price Each			
						1	25	50	100
665-XL-1200	XL-1200	M	110	6-12 VDC	57.7 x 44.5 x 40.5	12.94	11.76	10.29	8.71

EXTREMELY LOUD PIEZO SIREN

RoHS Compliant

- Rated voltage: 12 VDC • Frequency range: 1500-4000 Hz • Black ABS case • Metal mounting brackets.

For quantities of 500 and up, call for quote.

665-XL5530LW300S-R	XL-5530-LW300-S-R	N	123	6-16 VDC	ø54.5 x 56	22.73	20.66	18.08	15.30

HIGH OUTPUT ALARM

- 115 dBA @ 10 cm • Continuous tone • Flush mounting • Interchangeable with Star-Micronics p/n PDB-09

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Fig.	Resonant Frequency	Supply Voltage	Dimensions (mm)	Price Each			
						1	25	50	100
665-AI-500	AI-500	O	2500 Hz	5-13 VDC	ø50.0 x 28.9	13.09	11.90	10.41	8.99

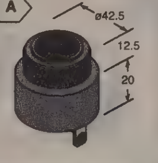
ELECTROMECHANICAL BUZZERS

- Continuous tone • QC tabs on AI-291, -292, -293, -294 are .250"

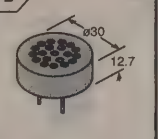
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Projects Unlimited Part No.	Fig.	Resonant Frequency	Rated Voltage	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
							1	25	50	100
PCB Mount Type										
665-AI-227	AI-227	P	400 Hz	12 VDC	77	22.5 x 16.7 x 15.5	4.16	3.78	3.31	2.79
665-AI-228	AI-228	P	400 Hz	24 VDC	76	22.5 x 16.7 x 15.5	4.16	3.78	3.31	2.79
Flange Mount Type										
665-AI-221	AI-221	Q	400 Hz	4.5 VDC	70	22.8 x 17.0 x 15.55	3.92	3.56	3.12	2.64
665-AI-222	AI-222	Q	400 Hz	12 VDC	79	22.8 x 17.0 x 15.55	3.92	3.56	3.12	2.64
665-AI-223	AI-223	Q	400 Hz	24 VDC	76	22.8 x 17.0 x 15.55	3.92	3.56	3.12	2.64
QC Tabs - Open Type										
665-AI-291	AI-291	R	50-60 Hz	12 VAC	86	23.0 x 29.0 x 19.5	3.48	3.16	2.77	2.33
665-AI-292	AI-292	R	50-60 Hz	24 VAC	88	23.0 x 29.0 x 19.5	3.48	3.16	2.77	2.33
665-AI-293	AI-293	R	50-60 Hz	110 VAC	90	23.0 x 29.0 x 19.5	3.81	3.46	3.03	2.56
665-AI-294	AI-294	R	50-60 Hz	220 VAC	90	23.0 x 29.0 x 19.5	3.81	3.46	3.03	2.56
Flange Mount - Enclosed Type										
665-AI-295	AI-295	S	50-60 Hz	6 VAC	84	31.7 x 60.5 x 26.0	4.09	3.72	3.26	2.75
665-AI-296	AI-296	S	50-60 Hz	12 VAC	86	31.7 x 60.5 x 26.0	4.09	3.72	3.26	2.75
665-AI-297	AI-297	S	50-60 Hz	24 VAC	88	31.7 x 60.5 x 26.0	4.09	3.72	3.26	2.75
665-AI-298	AI-298	S	50-60 Hz	110 VAC	92	31.7 x 60.5 x 26.0	4.38	3.98	3.48	2.95

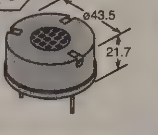
A



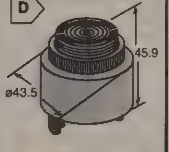
B



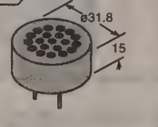
C



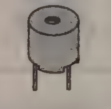
D



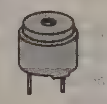
E



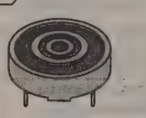
F



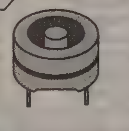
G



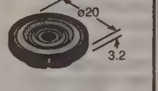
H



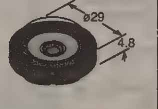
I



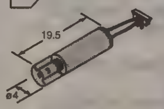
J



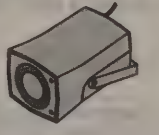
K



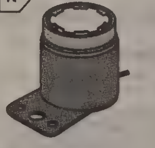
L



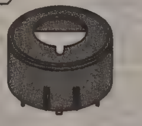
M



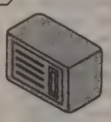
N



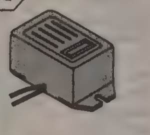
O



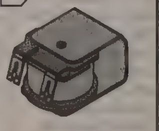
P



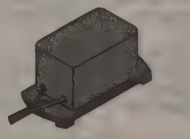
Q



R



S



ALCOSWITCH Knobs

A

B

C

D

E

F

G

H

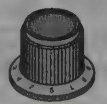
I

J

K

L

M

N


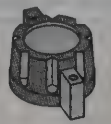
O

P

Q

R

S

T


U

V

W

ALCOSWITCH K SERIES MACHINED ALUMINUM CONTROL KNOBS

Specifications:

- Made of machined aluminum alloy stock
- Finish is gloss anodize
- Set screws: steel, type 303, hex head, cup point

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Description	Dia. Inches (mm)	Height Inches (mm)	Price Each			
						1	25	50	100
506-KB500B1/4	KB500B1/4	A	Black with straight knurl and top line indicator, 1/4" shaft	.500 (12.7)	.787 (20.0)	6.43	5.84	5.37	4.97
506-KB500B1/8	KB500B1/8	A	Black with straight knurl and top line indicator, 1/8" shaft	.500 (12.7)	.787 (20.0)	8.78	8.34	7.73	7.29
506-KD1250A-1/4	KD1250A1/4	B	Natural with diamond knurl with side indicator line, 1/4" shaft	1.25 (31.8)	.750 (19.1)	15.28	14.52	13.76	13.01
506-KFS400B1/8	KFS400B1/8	C	Black matte with straight knurl with indicator dot on skirt, 1/8" shaft	.380 (9.65)	.500 (12.7)	22.80	20.57	18.46	15.49
506-KLN1250B1/4	KLN1250B1/4	D	Black with straight knurl with top and side indicator, 1/4" shaft	1.25 (31.8)	.591 (15.0)	24.70	21.33	16.68	13.85
506-KLN500A1/8	KLN500A1/8	D	Natural with straight knurl with top and side indicator, 1/8" shaft	.500 (12.7)	.625 (15.9)	7.16	6.80	6.45	6.09
506-KLN500B1/8	KLN500B1/8	D	Black with straight knurl with top and side indicator, 1/8" shaft	.500 (12.7)	.625 (15.9)	8.20	7.54	6.18	5.47
506-KLN700A-1/4	KLN700A1/4	D	Natural with straight knurl with top and side indicator, 1/4" shaft	.740 (18.8)	.625 (15.9)	8.32	7.90	7.49	7.07
506-KLN700B1/4	KLN700B1/4	D	Black with straight knurl with top and side indicator, 1/4" shaft	.740 (18.8)	.625 (15.9)	6.00	5.50	5.00	4.60
506-KLN900B1/4	KLN900B1/4	D	Black with straight knurl with top and side indicator, 1/4" shaft	.937 (23.8)	.625 (15.9)	9.88	9.39	8.89	8.40
506-KN1751AS1/4	KN1751AS1/4	E	Natural with straight knurl with fingertip spinner, 1/4" shaft	1.75 (44.5)	.620 (15.8)	24.24	22.90	21.00	19.36
506-KN1751BS1/4	KN1751BS1/4	E	Black with straight knurl with fingertip spinner, 1/4" shaft	1.75 (44.5)	.620 (15.8)	21.50	19.90	18.22	17.27
506-KN500B-1/4	KN500B1/4	F	Black with straight knurl with side indicator line, 1/4" shaft	.500 (12.7)	.625 (15.9)	6.88	6.54	6.19	5.16
506-KN500B1/8	KN500B1/8	F	Black with straight knurl with side indicator line, 1/8" shaft	.500 (12.7)	.625 (15.9)	14.53	12.69	9.87	8.25
506-KN501B1/8	KN501B1/8	G	Black with straight knurl with arrowhead indicator on top, 1/8" shaft	.500 (12.7)	.625 (15.9)	4.78	4.54	4.30	4.06
506-KNS501BA1/8	KNS501BA1/8	H	Blk. body, nat. skirt & top w/ straight knurl w/ arrowhead indicator on skirt, 1/8" shaft	.500 (12.7)	.625 (15.9)	10.44	9.50	7.83	6.88
506-KNS701BA1/4	KNS701BA1/4	H	Blk. body, nat. skirt & top w/ straight knurl w/ arrowhead indicator on skirt, 1/4" shaft	.750 (19.1)	.625 (15.9)	11.22	10.20	8.42	7.40
506-KPN500B1/8	KPN500B1/8	I	Black with straight knurl with pointer and indicator line, 1/8" shaft	.500 (12.7)	.625 (15.9)	14.64	13.91	13.17	12.45
506-KR1	KR1	W	Shaft hole adapter, 1/4" to 1/8"	- - -	- - -	.57	.52	.43	.38

ALCOSWITCH P SERIES MOLDED PHENOLIC KNOBS

Specifications:

- Made of general purpose phenolic (thermoset)
- Finish is gloss
- Insert is made of Cu alloy
- Set screws: steel, hex head, cup point
- Inlays and skirts are aluminum alloy, spun finish

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alcoswitch Part Number	Fig.	Description	Dia. Inches (mm)	Height Inches (mm)	Price Each			
						1	25	50	100
506-PK1100B1/4	PK1100B1/4	J	Serrated with white indicator on top and spun alum. inlay, 1/4" shaft	.700 (17.8)	.530 (13.5)	2.18	1.96	1.77	1.67
506-PK50B1/4	PK50B1/4	K	Straight knurl with white dot indicator on skirt and spun alum. inlay, 1/4" shaft	.748 (19.0)	.550 (14.0)	3.76	3.38	3.03	2.59
506-PK50B1/8	PK50B1/8	K	Straight knurl with white dot indicator on skirt and spun alum. inlay, 1/8" shaft	.748 (19.0)	.550 (14.0)	1.58	1.46	1.34	1.25
506-PK70B1/4	PK70B1/4	K	Straight knurl with white dot indicator on skirt and spun alum. inlay, 1/4" shaft	.984 (25.0)	.590 (15.0)	2.66	2.53	2.39	2.26
506-PK90B-1/4	PK90B1/4	K	Straight knurl with white dot indicator on skirt and spun alum. inlay, 1/4" shaft	1.25 (31.8)	.595 (15.1)	2.66	2.53	2.39	2.26
506-PKA50B1/4	PKA50B1/4	L	Ribbed with white line indicator on skirt and spun alum. inlay, 1/4" shaft	.795 (20.2)	.590 (15.0)	1.48	1.41	1.34	1.26
506-PKA50B1/8	PKA50B1/8	L	Ribbed with white line indicator on skirt and spun alum. inlay, 1/8" shaft	.795 (20.2)	.590 (15.0)	1.50	1.35	1.23	1.14
506-PKA70B1/4	PKA70B1/4	L	Ribbed with white line indicator on skirt and spun alum. inlay, 1/4" shaft	.980 (24.9)	.750 (19.1)	2.08	1.89	1.74	1.60
506-PKB90B1/4	PKB90B1/4	M	Fluted with white line indicator on skirt and spun alum. inlay, 1/4" shaft	1.50 (38.1)	.820 (20.8)	4.76	4.53	4.28	4.05
506-PKD70B101/4	PKD70B101/4	N	Straight knurl with 0-10 numerals on skirt and spun alum. inlay, 1/4" shaft	1.02 (25.9)	.610 (15.5)	2.36	2.15	2.02	1.83
506-PKE90-B	PKE90B1/4	O	Fluted with white line indicator on side and spun alum. inlay, 1/4" shaft	.890 (22.6)	.512 (13.0)	5.80	5.00	3.91	3.24
506-PKES120B1/4	PKES120B1/4	P	Fluted with skirt and white indicator line and spun alum. inlay, 1/4" shaft	1.30 (32.9)	.628 (16.0)	2.57	2.42	2.27	2.11
506-PKES60B1/4	PKES60B1/4	P	Fluted with skirt and white indicator line and spun alum. inlay, 1/4" shaft	.748 (19.0)	.470 (11.9)	2.60	2.48	2.35	2.21
506-PKES60B1/8	PKES60B1/8	P	Fluted with skirt and white indicator line and spun alum. inlay, 1/8" shaft	.748 (19.0)	.470 (11.9)	1.86	1.70	1.56	1.44
506-PKES90B1/4	PKES90B1/4	P	Fluted with skirt and white indicator line and spun alum. inlay, 1/4" shaft	1.01 (25.7)	.570 (14.5)	2.15	1.97	1.80	1.66
506-PKG40B1/8	PKG40B1/8	Q	Ribbed with white indicator line and spun alum. inlay, 1/8" shaft	.437 (11.1)	.472 (12.0)	1.40	1.33	1.26	1.18
506-PKG50B1/4	PKG50B1/4	Q	Ribbed with white indicator line and spun alum. inlay, 1/4" shaft	.551 (14.0)	.512 (13.0)	1.52	1.38	1.14	1.00
506-PKG50B1/8	PKG50B1/8	Q	Ribbed with white indicator line and spun alum. inlay, 1/8" shaft	.551 (14.0)	.512 (13.0)	1.78	1.64	1.56	1.48
506-PKG70B1/8	PKG70B1/8	Q	Ribbed with white indicator line and spun alum. inlay, 1/8" shaft	.740 (18.8)	.559 (14.2)	4.48	4.26	4.03	3.81
506-PKGP-70B-1/4	PKGP70B1/4	R	Ribbed with bar pointer, white indicator line, and spun alum. inlay, 1/4" shaft	.740 (18.8)	.460 (11.7)	4.36	4.03	3.70	3.40
506-PKJT50B1/8	PKJT50B1/8	S	Straight knurl with bar pointer, white indicator line, and alum. spin plate, 1/8" shaft	.515 (13.1)	.585 (14.9)	2.88	2.73	2.60	2.45
506-PKP194B1/4	PKP194B1/4	T	Serrated with bar point, white dot indicator, and spun alum. inlay, 1/4" shaft	1.00 (25.4)	.840 (21.3)	2.79	2.57	2.50	2.29
506-PKS1106B1/4	PKS1106B1/4	U	Straight knurl, black line indicator on alum. skirt, spun alum. inlay, 1/4" shaft	1.17 (29.6)	.670 (17.0)	4.84	4.60	4.35	4.12
506-PKS90B1/4	PKS90B1/4	V	Straight knurl, black arrow indicator on alum. skirt, spun alum. inlay, 1/4" shaft	1.42 (36.1)	.596 (15.1)	6.93	5.98	4.69	3.89
506-PKS90B101/4	PKS90B101/4	V	Straight knurl, black numbers 1-10 on alum. skirt, spun alum. inlay, 1/4" shaft	1.42 (36.1)	.596 (15.1)	5.86	5.56	5.28	4.98
506-KR1	KR1	W	Shaft hole adapter, 1/4" to 1/8"	- - -	- - -	.57	.52	.43	.38

DAVIES MOLDING Knobs

RoHS Compliant This page of product is compliant.

POINTER CONTROL KNOBS

- Hole Size: .25"
- Set Screw Size: 8-32
- High Gloss Phenolic

†- No indicator line.

RoHS Compliant

*Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	* Dia. (in.)	Height (in.)	Price Each			
					1	10	100	250
†5164-1400	1400	A	1/2	13/32	1.11	1.05	.90	.85
†5164-1450	1450	B	11/16	13/32	1.09	1.03	.85	.80
5164-1470AQ	1470AQ	C	1 1/8	1/2	1.65	1.56	1.55	1.50
†5164-1475	1475	D	1	1/2	1.09	1.03	.99	.93
5164-1500	1500AU	E	1 1/8	9/16	1.33	1.25	1.18	1.15
5164-1510AH	1510AH	F	3/4	3/16	1.32	1.22	1.18	1.15
5164-1520S	1520-S	G	1 1/2	3/4	1.95	1.85	1.79	1.73
5164-1520X	1520-X	G	1 1/2	3/4	2.06	1.96	1.91	1.82
5164-1550AG	1550AG	H	1 1/8	5/8	1.48	1.40	1.38	1.30
5164-2300	2300BM	I	1 13/64	5/8	1.50	1.44	1.40	1.29
†5164-2300A	2300	I	1 13/64	5/8	1.29	1.16	.90	.75
5164-2300BT	2300BT	I	1 13/64	5/8	1.72	1.63	1.60	1.50
†5164-2310	2310	J	1 3/16	1/2	1.79	1.65	1.45	1.38
5164-2350AH	2350AH	K	2	5/8	2.32	2.19	2.13	1.89

FLUTED INSTRUMENT KNOBS

- Fluted for precise controls
- Terrific range of sizes, including a family of skirted knobs
- High gloss phenolic
- Hole size: .25" (1910EL= .125")

†- No indicator line.

RoHS Compliant

*Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	* Dia. (in.)	Height (in.)	Set Screw	Price Each			
						1	10	100	250
5164-1600BM	1600BM	L	1 1/2	11/16	8-32	1.34	1.27	1.23	1.19
5164-1610AA	1610AA	M	29/32	19/32	8-32	1.43	1.36	1.31	1.27
5164-1900	1900-H	N	15/32	5/8	6-32	1.71	1.65	1.54	1.32
†5164-1910CQ	1910CQ	O	3/4	1/2	8-32	2.72	2.59	2.50	2.40
5164-1910CS	1910CS	O	3/4	1/2	8-32	1.24	1.19	1.14	1.11
5164-1910EL	1910EL	O	3/4	1/2	6-32	2.96	2.79	2.67	2.58
†5164-1913BC	1913BC	P	1 1/8	5/8	8-32	2.99	2.79	2.70	2.60
5164-1913BW	1913BW	P	1 1/8	5/8	8-32	1.35	1.24	1.19	1.14
5164-1919AE	1919AE	Q	1 1/4	5/8	8-32	1.99	1.86	1.81	1.75
†5164-1930BQ	1930BQ	R	1 1/2	27/32	8-32	3.14	3.00	2.74	2.65
†5164-1940BE	1940BE	R	2 1/32	15/16	8-32	3.94	3.74	3.60	3.45

MINIATURE CLAMP KNOBS

Available with a wide flange female insert for positive contact. Good electrical properties in small clamp knobs.

- Hole Size = Insert Size

‡ - Projecting Stud

RoHS Compliant

*Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Insert Size (in.)	Insert Depth (in.)	Price Each			
							1	10	100	250
5164-1770	1770	S	31/64	1/2	8-32	1/4	.47	.43	.41	.38
5164-2700E	2700-E	T	9/16	1/2	10-32	5/16	.90	.81	.73	.69
5164-2710B	2710-B	U	3/4	1/2	8-32	5/16	.56	.52	.50	.49
5164-2715L	2715-L	V	45/64	35/64	10-32	5/16	.74	.70	.68	.65
‡5164-2720L	2720-L	W	5/8	9/16	8-32	3/8	.84	.77	.75	.72
5164-2720Q	2720-Q	W	5/8	9/16	8-32	1/4	.88	.84	.79	.76

INSTRUMENT AND CONTROL KNOBS

- Distinctive knobs for special applications
- Glossy or satin finish Phenolic for durability and good appearance
- Hole Size: .25"

RoHS Compliant

*Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	* Dia. (in.)	Height (in.)	Set Screw	Price Each			
						1	10	100	250
5164-1100	1100	X	25/32	15/32	6-32	.86	.82	.76	.71
5164-1105	1105	Y	1	39/64	8-32	1.15	1.10	1.05	1.02
5164-1110	1110	Z	1 9/32	21/32	8-32	1.31	1.14	1.03	.96
5164-1120	1120	AA	1-3/4	51/64	10-32	2.38	2.07	1.89	1.73
5164-1200W	1200-W	BB	1/2	5/8	6-32	2.72	2.58	2.50	2.40
5164-1202BA	1202BA	CC	25/32	5/8	8-32	2.81	2.67	2.56	2.46
5164-1204AZ	1204AZ	DD	1	11/16	8-32	2.89	2.73	2.62	2.52

THREE ARM KNOB

Perfect for the smaller, everyday clamping needs and applications

- Material: Phenolic
- Insert: Brass
- Hole Size: 1/4-20"

‡ - Projecting Stud

RoHS Compliant

*Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Insert Size (in.)	Insert Depth (in.)	Price Each			
							1	10	100	250
‡5164-3025AG	3025AG	EE	1 1/8	3/4	1/4-20	1	1.16	1.09	1.03	.98

KNURLED CLAMPING KNOB

These knobs have been designed with straight knurls on the side to create an attractive and effective gripping surface

- Material: Phenolic
- Insert: Brass
- Hole Size: 5/16-18"

RoHS Compliant

* Diameter in table measured at knob base or skirt.

MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Insert Size (in.)	Insert Depth (in.)	Price Each			
							1	10	100	250
5164-3055BA	3055BA	FF	1 1/4	3/4	5/16-18	1/2	1.56	1.48	1.40	1.33

BAR KNOB

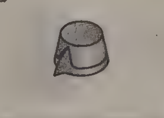
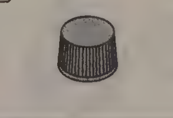
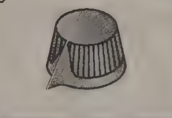
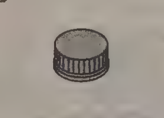
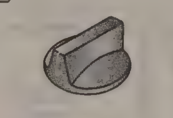
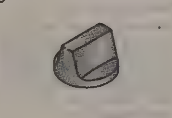
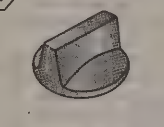
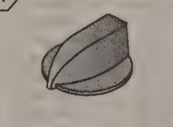
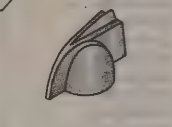
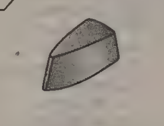
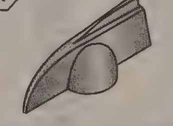
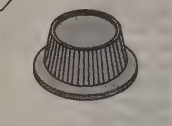
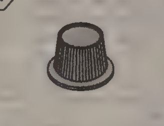
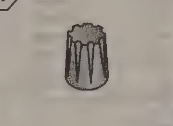
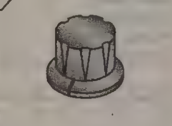
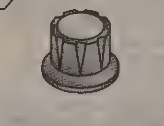
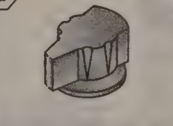
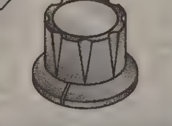
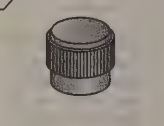
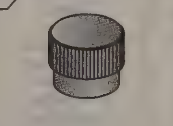
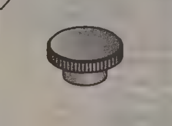
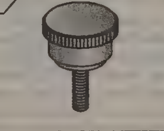
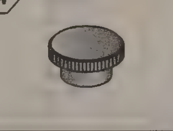
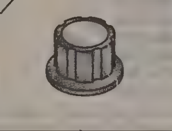
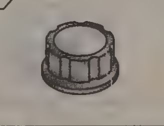
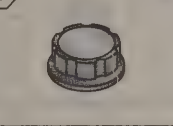
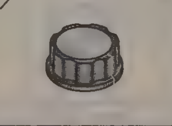
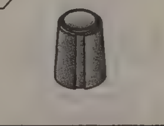
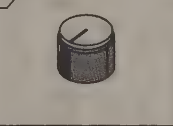
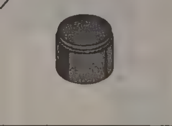
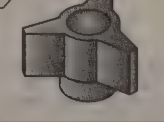
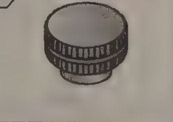
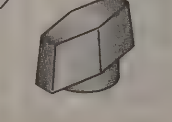
No matter what your application may be, a bar knob is perfect for your clamping needs.

- Material: Phenolic
- Hole Size: 5/16-18"
- Insert: Brass

RoHS Compliant

*Diameter in table measured at knob base or skirt.

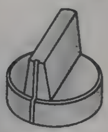
MOUSER STOCK NO.	Davies Molding Part No.	Fig.	*Dia. (in.)	Height (in.)	Insert Size (in.)	Insert Depth (in.)	Price Each			
							1	10	100	250
5164-3085	3085	GG	1-1/8	3/4	1/4-20	3/5	.93	.86	.83	.81

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC

DD

EE

FF

GG


EAGLE PLASTIC DEVICES Control and Instrument Knobs

eagle plastic devices

A

B


C

D

E

F

Tuning Knob

ALUMINUM KNOBS

Features:

- Machined from solid aluminum
- Spin polished finish

MOUSER STOCK NO.	Fig.	Color	Features	Shaft Size	Dia. In.	Dimension In. H	Price Each				
							1	10	100	500	1000
450-MAS51	A	Natural	Dual set screws	1/8	0.74	0.625	4.87	4.06	3.69	3.35	2.90
450-MAS52	A	Black	Dual set screws	1/8	0.74	0.625	4.87	4.06	3.69	3.35	2.90
450-MAS53	A	Natural	Dual set screws	1/4	0.74	0.625	4.87	4.06	3.69	3.35	2.90
450-MAS54	A	Black	Dual set screws	1/4	0.74	0.625	4.87	4.06	3.69	3.35	2.90
450-MAS71	A	Natural	Dual set screws	1/4	1.14	0.625	5.70	4.75	4.32	3.93	3.62
450-MAS72	A	Black	Dual set screws	1/4	1.14	0.625	5.70	4.75	4.32	3.93	3.62
450-MAS91	A	Natural	Dual set screws	1/4	1.40	0.625	7.26	6.05	5.50	5.00	4.60
450-MAS92	A	Black	Dual set screws	1/4	1.40	0.625	7.26	6.05	5.50	5.00	4.60
450-MCB51	B	Natural	Dual set screws	1/4	0.50	0.75	4.31	3.59	3.27	2.86	2.63
450-MCB61	B	Natural	Dual set screws	1/4	0.62	0.75	4.66	3.88	3.53	2.92	2.68
450-MCB62	B	Black	Dual set screws	1/4	0.62	0.75	4.66	3.88	3.53	2.92	2.68
450-MCB71	B	Natural	Dual set screws	1/4	0.74	0.90	4.96	4.13	3.76	3.42	3.14
450-MCB72	B	Black	Dual set screws	1/4	0.74	0.90	4.96	4.13	3.76	3.42	3.14
450-MCB91	B	Natural	Dual set screws	1/4	0.94	0.90	5.95	4.96	4.51	4.10	3.77
450-MCB92	B	Black	Dual set screws	1/4	0.94	0.90	5.95	4.96	4.51	4.10	3.77
450-MLNS51	C	Natural	Dual set screws	1/4	0.75	0.63	4.71	3.93	3.57	3.25	2.99
450-MLNS52	C	Black	Dual set screws	1/4	0.75	0.63	4.71	3.93	3.57	3.25	2.99
450-MPN71	D	Natural	Dual set screws	1/4	0.89	0.625	4.71	3.93	3.57	3.25	2.99
450-MPN72	D	Black	Dual set screws	1/4	0.89	0.625	4.71	3.93	3.57	3.25	2.99
450-MPN91	D	Natural	Dual set screws	1/4	1.10	0.625	5.63	4.69	4.26	3.88	3.56
450-MPN92	D	Black	Dual set screws	1/4	1.10	0.625	5.63	4.69	4.26	3.88	3.56
450-MLN54	E	Black	Dual set screws	1/4	0.50	0.625	3.11	2.59	2.36	2.15	1.98
450-MLN72	E	Black	Dual set screws	1/4	0.74	0.625	3.83	3.19	2.90	2.64	2.42
450-1755	F	Black	Dual set screws	1/4	1.75	1.14	8.55	7.77	7.07	6.43	5.92

A

Light Weight

B

Light Weight

C

Light Weight

UNIQUE COMBINATION ALUMINUM & PLASTIC KNOBS

- Machined aluminum shell with plastic insert knob

MOUSER STOCK NO.	Fig.	Color	Features	Shaft Size	Dia. In.	Dimension In. H	Price Each				
							1	10	100	500	1000
450-ME51	A	Natural/Black	Dual set screws	1/8	0.50	0.65	3.53	2.94	2.67	2.32	2.13
450-ME52	A	Natural/Black	Dual set screws	1/4	0.50	0.65	3.53	2.94	2.67	2.32	2.13
450-ME71	A	Natural/Black	Dual set screws	1/4	0.74	0.65	4.31	3.59	3.27	2.86	2.63
450-MES51	B	Natural/Black	Dual set screws	1/8	0.74	0.63	4.47	3.72	3.39	3.09	2.84
450-MES52	B	Natural/Black	Dual set screws	1/4	0.74	0.63	4.47	3.72	3.39	3.09	2.84
450-MES71	B	Natural/Black	Dual set screws	1/4	1.13	0.63	5.95	4.96	4.51	4.10	3.77
450-3825	C	Natural	Brass insert single set screw	1/4	1.50	0.63	3.16	2.64	2.40	2.18	2.01
450-3225	C	Natural	Brass insert single set screw	1/4	1.26	0.55	3.16	2.64	2.40	2.18	2.01
450-2925	C	Natural	Brass insert single set screw	1/4	1.14	0.55	2.17	1.81	1.65	1.50	1.38
450-2225	C	Natural	Brass insert single set screw	1/4	0.87	0.51	2.00	1.66	1.51	1.38	1.27
450-1825	C	Natural	Brass insert single set screw	1/4	0.71	0.47	1.85	1.54	1.40	1.28	1.17
450-1425	C	Natural	Brass insert single set screw	1/4	0.55	0.63	1.81	1.51	1.38	1.15	1.05

A

B

C

D

E

F

PLASTIC KNOBS

∗ T18 is a 6mm, 18 tooth knurled shaft.

MOUSER STOCK NO.	Fig.	Color	Features	Shaft Size	Dia. In.	Dimension In. H	Price Each				
							1	10	100	500	1000
450-3618	A	Black	Spun aluminum inlay	T18 ∗	1.06	0.63	.57	.38	.35	.32	.29
450-4618	A	Black	Spun aluminum inlay	T18 ∗	0.79	0.47	.57	.38	.35	.32	.29
450-7618	B	Black	Soft touch	T18 ∗	0.52	0.61	.57	.38	.35	.32	.29
450-4760	B	Black	Soft touch	D	0.52	0.61	.57	.38	.35	.32	.29
450-4660	B	Gray	Soft touch black ind. Line	D	0.52	0.61	.57	.38	.35	.32	.29
450-4661	B	Gray	Soft touch red ind. Line	D	0.52	0.61	.57	.38	.35	.32	.29
450-AE181	C	White	- - - - - - - - -	T18 ∗	0.71	0.68	.35	.24	.22	.20	.17
450-AE185	C	Gray	- - - - - - - - -	T18 ∗	0.71	0.68	.35	.24	.22	.20	.17
450-AE186	C	Black	- - - - - - - - -	T18 ∗	0.71	0.68	.35	.24	.22	.20	.17
450-AE141	C	Black	- - - - - - - - -	T18 ∗	0.55	0.65	.31	.21	.19	.17	.15
450-CE15	D	Black	Brass insert single set screw	1/4	0.59	0.59	.95	.74	.67	.61	.55
450-3102-GR	E	Black	Spun aluminum inlay	D	0.78	0.62	.96	.74	.68	.62	.57
450-2401-GR	F	Black	Spun aluminum inlay	D	0.79	0.67	.82	.63	.57	.52	.48

COLOR CONTROL KNOBS

A

Fits .25 shafts
Black Indicator

B

Fits 6mm, 18 tooth shaft
White Indicator

C

Fits 6mm, 18 tooth shaft
White Indicator

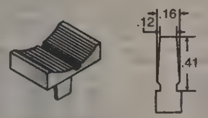
- Black plastic with white indicator except where noted
- Brass insert w/set screw .25" knobs only

For quantities of 500 and up, call for quote.

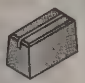
MOUSER STOCK NO.	Fig.	Color Top	Dimension In.		Price Each		
			Dia.	H	1	10	100
450-2040-GRX	A	BLK/RED	.52	.62	.99	.78	.69
450-2050-GRX	A	BLK/YEL	.52	.62	.99	.78	.69
450-2060-GRX	A	BLK/GRN	.52	.62	.99	.78	.69
450-2070-GRX	A	BLK/BLU	.52	.62	.99	.78	.69
450-3180-GRX	A	BLK/GRN	.75	.64	1.08	.83	.75
450-3181-GRX	A	BLK/RED	.75	.64	1.08	.83	.75
450-3182-GRX	A	BLK/YEL	.75	.64	1.08	.83	.75
450-3183-GRX	A	BLK/BLU	.75	.64	1.08	.83	.75
450-3021	B	BLK/RED	.52	.65	.54	.36	.33
450-3022	B	BLK/YEL	.52	.65	.54	.36	.33
450-3023	B	BLK/BLU	.52	.65	.54	.36	.33
450-3024	B	BLK/GRN	.52	.65	.54	.36	.33
450-3031	C	BLK/RED	.63	.59	.54	.36	.33
450-3033	C	BLK/BLU	.63	.59	.54	.36	.33
450-3034	C	BLK/GRN	.63	.59	.54	.36	.33

KNOBS FOR SLIDE POTENTIOMETERS

- Fits 312-9000, 9100, and 9302 series

A


Shaft Configuration

B


MOUSER STOCK NO.	Fig.	Color	Dimension In.			Price Each		
			L	W	H	1	10	100
450-3051	A	Black	.79	.68	.62	.49	.33	.30
450-3052	A	Gray	.79	.68	.62	.49	.33	.30
450-0154	B	Black	.46	.25	.36	.44	.30	.27
450-0155	B	Black	.68	.41	.44	.49	.33	.30

KNOBS FOR 1/8" SHAFTS

- Fits 148, 248, and PRV6 series
- Brass insert

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color Top	Dimension In.		Price Each		
		Dia.	H	1	10	100
450-0125	Body BLK/Top BLK	.46	.41	1.04	.80	.73
450-0126	Body BLK/Top RED	.46	.41	1.04	.80	.73

KNOB FOR 4MM SHAFTS

- Fits our 31CX series controls
- Hole size: 4.1mm

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
45KN050	Black	.50	.43	1.09	.92	.84

SOFT TOUCH KNOBS

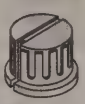
- Plastic shell covered by a thick rubber finish
- Knob fits 6mm, 18 tooth knurled shaft
- Diameter measured at knob base

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
450-4010	Gray	.51	.71	.60	.40	.36
450-4011	Black	.51	.71	.60	.40	.36

SOLID COLOR KNOBS

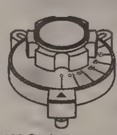
- Knob fits 6mm, 18 tooth shaft
- Fits 313-2401, 31VF, 31CA, 31CB, and 31CR Series



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
450-2051	Gray	.80	.64	.47	.32	.29
450-2061	Black	.80	.64	.47	.32	.29
450-2062	Black	.60	.59	.40	.27	.24

VERNIER DIAL KNOBS


0-100 Scale

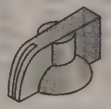
- Knobs fit .25" shafts
- 8 to 1 turns ratio calibrated over 180°
- Graduated 0-100

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
45KN100	Natural	1.50	.85	14.79	12.59	11.79
45KN102	Natural	2.00	.85	15.69	14.46	14.27

POINTER KNOB

RoHS Compliant



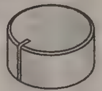
- Brass insert
- Knobs fit .25" shafts

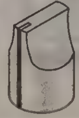
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Color	Dimension In.		Price Each		
		Dia.	H	1	10	100
45KN012-GRX	Black	1.25	.65	.69	.46	.42

ALUMINUM CONTROL KNOBS

A

B


C


D

- Brass inserts
- Knobs fit .25" shafts

For quantities of 500 and up, call for quote.

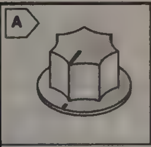
MOUSER STOCK NO.	Fig.	Color	Dimension In.		Price Each		
			Dia.	H	1	10	100
45KN030	A	Mirror	.79	.77	2.32	2.08	1.89
45KN031	A	Mirror	.61	.65	1.98	1.78	1.62
45KN032	A	Mirror	.87	.75	2.67	2.39	2.17
450-7030	A	Black	.79	.77	2.37	2.14	1.95
450-7031	A	Black	.61	.65	2.17	1.81	1.65
450-7032	A	Black	.87	.75	3.16	2.64	2.40
450-6015	B	Natural	.63	.55	2.17	1.95	1.77
450-6016	B	Natural	.87	.55	2.43	2.20	2.00
450-6017	B	Natural	1.10	.55	3.09	2.81	2.55
450-7015	B	Black	.63	.55	2.24	2.03	1.85
450-7016	B	Black	.87	.55	2.51	2.27	2.06
450-3000	C	Natural	1.00	1.00	6.05	5.34	4.98
450-6003	D	Natural	.50	.62	1.82	1.61	1.46
450-6005	D	Natural	.75	.62	2.24	2.03	1.85
450-6006	D	Natural	.94	.62	2.61	2.38	2.17
450-6007	D	Natural	1.25	.62	3.02	2.74	2.49
450-6008	D	Black	1.25	.62	3.02	2.74	2.49
450-7005	D	Black	.75	.62	2.32	2.08	1.89
450-6009	D	Black	.50	.62	1.82	1.61	1.46
450-6010	D	Black	.94	.62	2.67	2.39	2.17

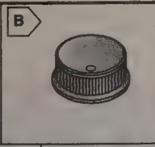
CONTROL AND INSTRUMENT KNOBS

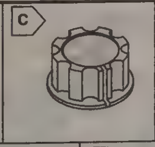
- Brass inserts
- Knobs fit .25" shafts

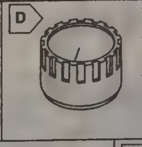
† with spun aluminum inlay

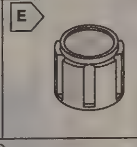
RoHS Compliant

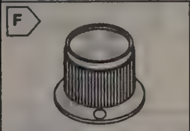
A


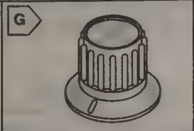
B


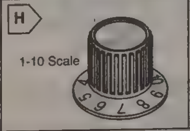
C


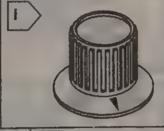
D


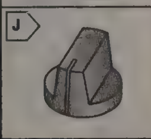
E


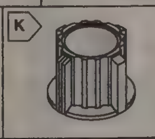
F


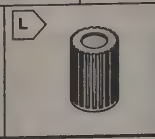
G


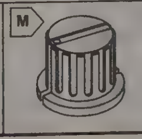
H

1-10 Scale

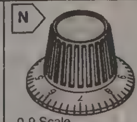
I


J


K


L


M


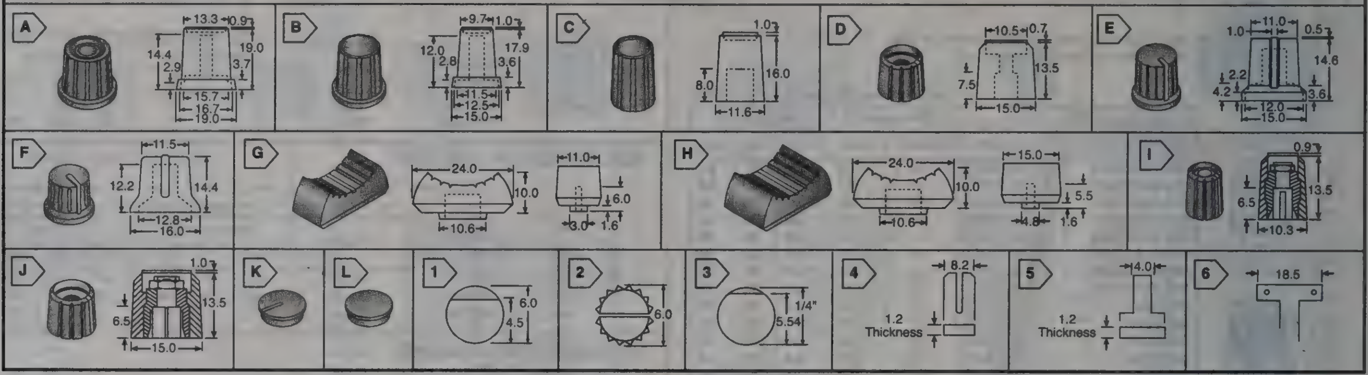
N

0-9 Scale

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimension In.		Price Each		
			Dia.	H	1	10	100
45KN013-GRX	A	Black	.94	.59	.74	.50	.46
45KN014-GRX	A	Black	1.32	.69	.80	.61	.56
45KN015-GRX	B	Black	.70	.38	.52	.39	.35
†45KN016-GRX	C	Black	1.29	.63	.97	.75	.68
†45KN017-GRX	C	Black	1.04	.56	.81	.63	.57
†45KN018-GRX	C	Black	.75	.46	.73	.56	.51
45KN019-GRX	D	Black	1.00	.60	.99	.83	.76
†45KN023-GRX	E	Black	.75	.63	.81	.63	.57
†45KN026-GRX	E	Black	.78	.63	.81	.63	.57
†45KN024-GRX	F	Black	.98	.57	1.05	.81	.73
†45KN025-GRX	G	Black	1.31	.87	1.05	.88	.80
†45KN021-GRX	H	Black	1.45	.90	1.26	1.06	.96
†45KN022-GRX	I	Black	1.45	.90	1.26	1.06	.96
†450-1170-GRX	H	Black	.93	.56	1.27	.98	.89
†450-1171-GRX	I	Black	.93	.56	1.27	.98	.89
450-1017-GRX	J	Black	1.04	.62	.69	.46	.42
450-2016-GRX	K	Black	.90	.71	.97	.75	.68
450-2023-GRX	L	Black	.50	.61	.62	.42	.38
450-2034-GRX	M	Black	.59	.55	.73	.56	.51
450-2035-GRX	M	Black	.77	.59	.89	.66	.60
450-2036-GRX	M	Black	.95	.78	1.09	.76	.68
450-2039-GRX	M	Black	1.39	.71	1.16	.93	.84
†450-2037-GRX	N	Black	1.16	.71	1.08	.91	.82

RE'AN Control Knobs

DIMENSIONS: mm



PUSH-ON COLOR CODED CONTROL KNOBS

These control knobs feature a selection of color coded caps to assist engineers when coding different functions. Three colors are available from stock. **Other colors are also available. Ask your service representative for details.** Order color-coded caps separately.

RoHS Compliant

MOUSER STOCK NO.	Re'an Part No.	Fig.	Body Color	Size (In.)		Price Each		
				Dia.	Ht.	1	10	25
† 550-86102	P861H-0X-S6	A2	Black	0.75	0.75	.39	.35	.32
† 550-86103	P861H-0X-D25	A3	Black	0.75	0.75	.39	.35	.32
† 550-85901	P859H-0-S6	B2	Black	0.59	0.7	.40	.36	.33
† 550-13801	P138H-0-S6	C2	Black	0.46	0.63	.31	.28	.25
† 550-15031	P150-H-09-D25-N	D3	Black	0.59	0.53	.56	.51	.46

† Knobs require color coded cap

Color-Coded Caps

Other colors are available.
Call your Mouser Service Representative.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Re'an Part No.	Fig.	Cap Color	Pointer Color	Fits Knob	Price Each		
						1	10	25
550-86301	T890H-09	K	Black	White	550-89001	.51	.46	.42
550-86302	T890H-69	K	Blue	White	550-86101	.51	.46	.42
550-86303	T890H-89	K	Gray	White	550-86102 550-86103	.51	.46	.42
550-86401	T859H-09	K	Black	White	550-85901 550-13801	.51	.46	.42
550-86402	T859H-69	K	Blue	White		.51	.46	.42
550-86403	T859-H-89	K	Gray	White		.51	.46	.42
550-15021	T150-H-0X	L	Black	None	550-15031	.20	.18	.17
550-15023	T150-H-6X	L	Blue	None		.20	.18	.17
550-15022	T150-H-8X	L	Gray	None		.20	.18	.17

TWO-COLOR HARD BODY CONTROL KNOB

This knob is a product of the latest developments in computer two-color technology. It features a matte black body with a white colored pointer molded in the body. The result is a control knob which keeps its crisp look permanently. **Other pointer colors are available; call your Mouser Service Representative.**

RoHS Compliant

MOUSER STOCK NO.	Re'an Part No.	Fig.	Body Color	Pointer Color	Size (In.)		Price Each		
					Dia.	Ht.	1	10	25
550-57001	P570H-09-S6	E2	Black	White	0.59	0.57	.48	.44	.40

TWO-COLOR "SOFT TOUCH" CONTROL KNOBS

"Soft Touch" technology is now available in a two-color control knob. Styled with today's front panels in mind, these control knobs offer superb looks at competitive costs. **Other pointer colors are available; call your Mouser Service Representative.**

RoHS Compliant

MOUSER STOCK NO.	Re'an Part No.	Fig.	Body Color	Pointer Color	Size (In.)		Price Each		
					Dia.	Ht.	1	10	25
550-67001	P670S-08-D6N	F1	Black	Gray	0.63	0.57	.49	.45	.41
550-67002	P670S-06-D6-N	F1	Black	Blue	0.63	0.57	.49	.45	.41
550-P82-90F	P670S-09-D6S	E1	Black	White	0.63	0.57	.46	.43	.32
550-67003	P670S-08-S6	F2	Black	Gray	0.63	0.57	.49	.45	.41
550-67004	P670S-06-S6	F2	Black	Blue	0.63	0.57	.49	.45	.41
550-67005	P670S-09-S6	F2	Black	White	0.63	0.57	.49	.45	.41
550-67081	P670S-08-D6S	F1	Black	Gray	0.63	0.57	.49	.45	.41

SLIDE CONTROL KNOBS

Superb ergonomics and aesthetics at a competitive price. Low profile design and Reán's two-color process. It has been designed to compliment Mouser Stock No. 550-57001. **Other colors are available. Call your Mouser Service Representative.**

RoHS Compliant

MOUSER STOCK NO.	Re'an Part No.	Fig.	Body Color	Pointer Color	Size (In.)		Price Each		
					W	L	1	10	25
550-77301	S773H-09-K	G4	Black	White	0.43	0.94	.33	.30	.28
550-77304	S773H-09-M	G5	Black	White	0.43	0.94	.33	.30	.28
550-77309	S773H-09-P	G6	Black	White	0.43	0.94	.33	.30	.28
550-77801	S778H-09-K	H4	Black	White	0.59	0.94	.39	.38	.37
550-77804	S778H-09-M	H5	Black	White	0.59	0.94	.39	.38	.37

10MM COLLET KNOBS

Featuring the latest in computer controlled two-color manufacturing technology. Ask your service representative about other sizes and colors.

RoHS Compliant

- Indicator lines are molded into the knob body
- Available with full length white indicator line
- Caps available with or without indicator line
- Color coded cap, available from stock in 3 colors.

Other colors are available. Call your Mouser Service Representative.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Re'an Part No.	Fig.	Shaft Size	Body Color	Pointer Color	Size		Price Each		
						Dia.	Ht.	1	10	25
†550-10501	C100-H-09-R12	I	1/8"	Black	White	10mm	.53"	1.42	1.29	1.18

† Knobs require color coded cap

10mm Color-Coded Caps (Fits knob 550-10501)

MOUSER STOCK NO.	Re'an Part No.	Fig.	Body Color	Pointer Color	Price Each		
					1	10	25
550-10001	T100-H-09	K	Black	White	.33	.30	.27
550-10002	T100-H-89	K	Gray	White	.33	.30	.27
550-10003	T100-H-69	K	Blue	White	.33	.30	.27
550-10011	T100-H-0X	L	Black	None	.20	.18	.17

15MM COLLET KNOBS

RoHS Compliant

MOUSER STOCK NO.	Re'an Part No.	Fig.	Shaft Size	Body Color	Pointer Color	Size		Price Each		
						Dia.	Ht.	1	10	25
†550-15601	C150H-09-R6	J	6mm	Black	White	15mm	.53"	1.89	1.73	1.68
†550-15001	C150H-09-R025	J	1/4"	Black	White	15mm	.53"	1.53	1.39	1.27

† Knobs require color coded cap

15mm Color-Coded Caps (Fits knobs: 550-15601, 550-15001)

MOUSER STOCK NO.	Re'an Part No.	Fig.	Cap Color	Pointer Color	Price Each		
					1	10	50
550-15011	T150-H-09	K	Black	White	.32	.29	.26
550-15012	T150-H-89	K	Gray	White	.32	.29	.26
550-15013	T150-H-69	K	Blue	White	.32	.29	.26
550-15021	T150-H-0X	L	Black	None	.20	.18	.17
550-15022	T150-H-8X	L	Gray	None	.20	.18	.17
550-15023	T150-H-6X	L	Blue	None	.20	.18	.17

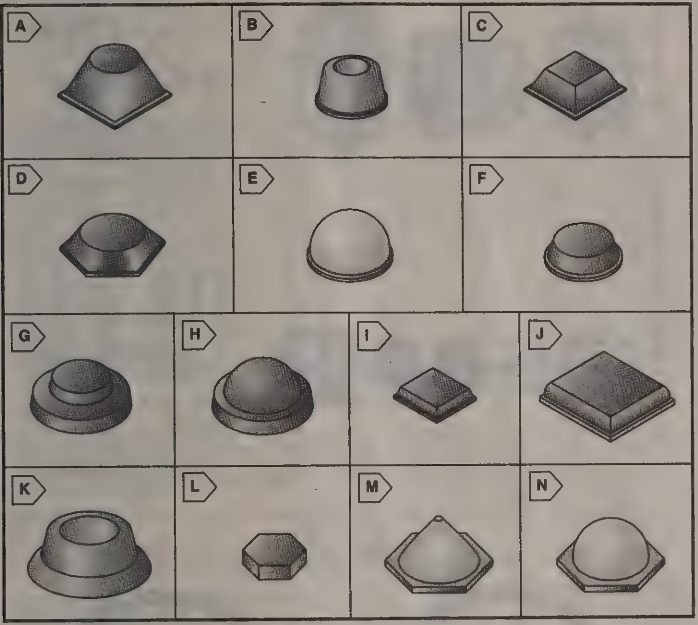
Bumpers and Grommets

RoHS Compliant **This page of product is compliant.**

3M BUMPON PROTECTIVE PRODUCTS

DIMENSIONS: in.

Bumpon Protective Products are self-sticking polyurethane bumpers that serve as high performance cushions, feet, spacers, and protectors. No need for screws, glue, rivets, or holes of any kind!



Specifications:

- Non-marring
- Crack resistant
- Non-slip

*** Available in 4 colors.** Replace the blank (__) in the part number with: **BK** for Black, **GY** for Gray, **BR** for Brown, **WH** for White

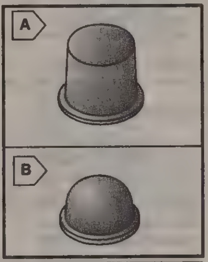
Note: all dimensions are height x width (inches)

MOUSER STOCK NO.	Fig.	Description	Size	Color	Std Qty. Per Pad	Price Per Indiv. Bumpon			
						1	24	1000	5000
517-SJ-5514__	A	Square Base Cone	.52x.81	*	24	.83	.39	.25	.22
517-SJ-5009__	B	Circle Depressed	.40x.88	*	24	.61	.28	.18	.16
						1	36	1000	5000
517-SJ-5023__	C	Tapered Square	.30x.81	*	36	.35	.16	.10	.09
						1	39	2000	4000
517-SJ-5077BK	D	Hexagon	.16x.65	Black	39	.31	.14	.10	.08
						1	40	1000	5000
517-SJ-5027__	E	Hemisphere	.31x.63	*	40	.24	.19	.12	.10
517-SJ-5017__	E	Large Hemisphere	.38x.75	*	40	.46	.22	.14	.12
						1	40	2600	5200
517-SJ-5744BK	F	Cylindrical	.16x.75	Black	40	.24	.19	.12	.10
						1	40	3000	6000
517-SJ5001BK	F	Cycle Depressed	.14x.50	Black	40	.20	.10	.06	.05
517-SJ-6115BK	G	Top Hat	.187x.625	Black	40	.24	.19	.12	.10
517-SJ-6125BK	H	Top Hat	.25x.625	Black	40	.24	.19	.12	.10
						1	48	3000	6000
517-SJ-5306CL	E	Hemisphere	.15x.375	Clear	48	.19	.09	.04	.04
517-SJ-5406WH	E	Hemisphere	.15x.375	White	48	.20	.10	.06	.05
						1	56	3000	6000
517-SJ-5303CL	E	Small Hemisphere	.20x.44	Clear	56	.20	.10	.06	.05
517-SJ-5003__	E	Small Hemisphere	.20x.44	*	56	.13	.07	.05	.04
517-SJ-5012__	F	Cylindrical	.14x.50	*	56	.13	.07	.05	.04
517-SJ-5312CL	F	Cylindrical	.14x.50	Clear	56	.20	.10	.06	.05
517-SJ-6512CL	F	Cylindrical	.14x.50	Clear	56	.16	.082	.049	.041
517-SJ-5412WH	E	Hemisphere	.14x.50	White	56	.20	.10	.06	.05
						1	64	1000	3000
517-SJ5508__	C	Tapered Square	.12x.50	*	64	.14	.08	.06	.05
517-SJ5518__	C	Tapered Square	.23x.50	*	64	.24	.14	.10	.09
						1	80	3000	6000
517-SJ-5008__	I	Tapered Square	.12x.50	*	80	.13	.07	.05	.04
517-SJ-5018__	I	Tapered Square	.23x.50	*	80	.22	.10	.057	.055
						1	96	2400	4800
517-SJ-6506CL	E	Hemispherical	.15x.375	Clear	96	.15	.068	.044	.039
						1	100	500	1000
517-SJ5523__	C	Tapered Square	.30x.81	Bk/Gy/Wh	4	.19	.17	.15	.13
517-SJ-5705BK	J	Square	.24x1.25	Black	1	1.28	.60	.37	.34
517-SJ-5532__	K	Cir. Depressed	.66x1.88	*	1	1.71	1.58	1.45	1.34
						1	108	3000	6000
517-SJ-5007BK	I	Tapered Square	.10x.40	Black	54	.13	.07	.05	.04
						1	132	3000	6000
517-SJ-5201BR	L	Hexagon	.125x.433	Brown	132	.06	.04	.03	.02
517-SJ-5202BR	L	Hexagon	.063x.433	Brown	132	.06	.04	.03	.02
517-SJ-6553CL	M	Hexagonal Cone	.12x.433	Clear	132	.13	.087	.065	.043
517-SJ-6561CL	N	Hex. Hemisphere	.15x.433	Clear	132	.09	.059	.044	.029
						1	144	3000	6000
517-SJ-5302CL	E	Sm. Hemisphere	.085x.312	Clear	144	.18	.09	.07	.05

3M BUMPON PCB SPACERS

Pressure sensitive adhesive backed feet that are designed for use as a printed circuit board spacer. High performance adhesive offers excellent initial and ultimate adhesion to a wide variety of surfaces including FR4, plastics and various metal surfaces. These products protect sensitive components from heat build up, short circuiting, vibration, & board flexing.

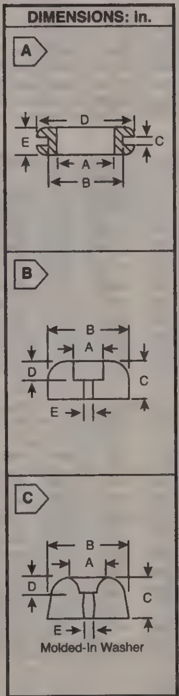
MOUSER STOCK NO.	Fig.	Size (In.)	Qty. Per Pad	Price Per Bumpon			
				1	48	3000	6000
517-SJ-67A4	A	.311x.375	48	.34	.16	.09	.09
517-SJ-67A6	A	.215x.312	144	.19	.09	.05	.05
517-SJ-67A8	A	.135x.375	144	.32	.15	.08	.08
				1	96	2400	4800
517-SJ-67A2	B	.235x.375	96	.30	.15	.13	.12
				1	144	3000	6000
517-SJ-67A1	A	.200x.312	144	.14	.08	.06	.05



KEYSTONE ELECTRONICS CORP.

BUMPERS AND GROMMETS

Rubber Grommets



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)					Price Each		
		A	B	C	D	E	1	1000	2500
534-730	A	.125	.187	.062	.312	.187	.09	.07	.06
534-733	A	.125	.250	.062	.343	.187	.08	.06	.05
534-734	A	.125	.437	.062	.625	.187	.89	.63	.54
534-735	A	.125	.375	.093	.500	.312	.36	.25	.22
534-736	A	.187	.312	.062	.437	.218	.11	.09	.07
534-731	A	.187	.312	.062	.437	.218	.14	.11	.09
534-737	A	.187	.281	.093	.437	.218	.28	.19	.17
534-738	A	.250	.437	.062	.625	.187	.27	.19	.17
534-739	A	.250	.375	.062	.562	.250	.15	.11	.09
534-740	A	.250	.375	.093	.500	.250	.24	.18	.15
534-741	A	.312	.562	.062	.812	.312	.48	.35	.30
534-742	A	.312	.437	.062	.625	.281	.22	.15	.13
534-743	A	.312	.437	.093	.625	.312	.33	.22	.18
534-744	A	.375	.625	.062	.875	.312	.51	.36	.31
534-745	A	.375	.500	.062	.625	.250	.16	.12	.10
534-732	A	.437	.562	.062	.750	.250	.20	.14	.12
534-746	A	.437	.687	.062	.937	.312	.58	.40	.35
534-747	A	.500	.812	.062	1.062	.312	.58	.40	.35
534-749	A	.500	.750	.093	.968	.281	.39	.25	.21
534-750	A	.562	.812	.062	1.062	.312	.69	.49	.41
534-752	A	.625	.875	.062	1.125	.312	.45	.29	.25
534-753	A	.625	1.250	.062	1.500	.250	1.02	.72	.62
534-755	A	.750	1.062	.062	1.375	.375	1.05	.75	.64
534-756	A	.750	1.437	.062	1.812	.375	2.65	1.80	1.50
534-757	A	.875	1.250	.062	1.625	.437	1.58	1.12	.96

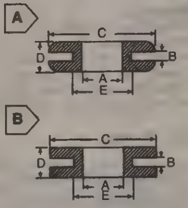
Rubber Bumpers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions (In.)					Price Each		
			A	B	C	D	E	1	100	1000
534-720	B	4	.25	.50	.25	.187	.125	.26	.13	.08
534-721	B	4	.25	.625	.312	.187	.125	.42	.21	.14
534-722	B	4	.25	.718	.437	.218	.125	.80	.40	.22
534-723	C	8	.375	.937	.375	.187	.187	.77	.40	.21

RUBBER GROMMETS

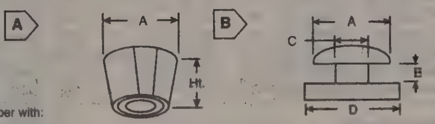
Designed for insulating sharp edged holes to protect electrical cables and tubing.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.					Price Each		
		A	B	C	D	E	1	1000	2500
5167-208	A	9/32	1/16	9/16	1/4	3/8	.07	.05	.04
5167-211	A	3/16	1/16	7/16	1/4	5/16	.06	.04	.03
5167-159	B	1/4	1/16	5/8	3/8	7/16	.11	.08	.07
5167-210	A	3/8	1/16	5/8	1/4	1/2	.07	.05	.04

BUMPERS



Available in black or gray.
Replace the (_) in the part number with:
B for **Black** or **G** for **Medium Gray**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.				Screw Size	Price Each	
		A	B	C	D		1	100
Vinyl								
5162-F4_	A	.562	.375	-----	-----	4	.35	.30
5162-F6_	A	.750	.437	-----	-----	6	.36	.31
5162-F8_	A	.937	.625	-----	-----	8	.57	.46
5162-SF6_	A	.687	.250	-----	-----	6	.32	.25
5162-SF8_	A	.875	.312	-----	-----	8	.39	.35
5162-SF10_	A	1.062	.437	-----	-----	10	.60	.44
Rubber								
5167-202	B	5/16	3/64	1/4	7/16	-----	.07	.04

ALTECH Liquid Tight Metal Strain Reliefs

Altech Corp.®

Altech Corp.® METAL CABLE GLAND

RoHS Compliant

Material:
- Body: Nickel-plated brass
- Seal: Neoprene
- Clamping insert: PA 6
- Sealing ring for outer thread: Nitril

Extended threads available.
Contact a Mouser Service Representative

Technical Properties:
- Seal rings included for PG and Metric sizes only
- Maximum strain relief through clamp rang
- Gas and water-tight
- Temperature Range: -25 to 120° C (-13 to 248° F)
- IP68 protection rating

PG Thread

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range		Price Each			
				mm	In.	1	25	50	100
845-4220351	4220351	A	PG 7	1.5 - 5	.059 - .197	1.95	1.90	1.84	1.78
845-4220307	4220307	A	PG 7	2.5 - 6.5	.098 - .256	2.88	2.80	2.71	2.63
845-4220352	4220352	A	PG 9	2.5 - 7	.098 - .276	2.07	2.01	1.96	1.89
845-4220309	4220309	A	PG 9	4 - 9.5	.157 - .374	1.89	1.84	1.79	1.73
845-4220353	4220353	A	PG 11	3 - 8.5	.118 - .335	2.42	2.34	2.27	2.19
845-4220311	4220311	A	PG 11	6 - 11.5	.236 - .453	2.42	2.34	2.27	2.19
845-4220354	4220354	A	PG 13	4 - 10	.157 - .394	2.77	2.69	2.60	2.52
845-4220313	4220313	A	PG 13	7 - 13	.276 - .512	2.61	2.53	2.47	2.38
845-4220355	4220355	A	PG 16	5 - 12	.197 - .472	3.31	3.21	3.12	3.01
845-4220316	4220316	A	PG 16	8 - 15	.315 - .591	3.25	3.16	3.07	2.97
845-4220356	4220356	A	PG 21	8 - 16	.315 - .630	4.66	4.53	4.39	4.26
845-4220321	4220321	A	PG 21	11 - 19	.433 - .748	4.50	4.37	4.24	4.11

NPT Thread

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range		Price Each			
				mm	In.	1	25	50	100
845-4220810	4220810	A	NPT 3/8"	2.5-7	.098-.276	2.88	2.80	2.72	2.63
845-4220800	4220800	A	NPT 3/8"	4-9.5	.157-.374	2.77	2.69	2.60	2.52
845-4220811	4220811	A	NPT 1/2"	4-10	.157-.394	4.13	4.00	3.89	3.77
845-4220801	4220801	A	NPT 1/2"	7-13	.276-.512	3.98	3.86	3.74	3.63
845-4220812	4220812	A	NPT 3/4"	5-13	.197-.512	5.20	5.04	4.90	4.74
845-4220802	4220802	A	NPT 3/4"	8-16	.315-.630	5.06	4.92	4.76	4.62
845-4220813	4220813	A	NPT 1"	7-17	.276-.669	13.17	12.79	12.39	12.01
845-4220803	4220803	A	NPT 1"	11-21	.433-.827	13.01	12.63	12.24	11.87

Metric Thread

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range		Price Each			
				mm	In.	1	25	50	100
845-4220712	4220712	A	M 12 x 1.5	1.5-5	.059-.197	2.39	2.32	2.25	2.18
845-4220612	4220612	A	M 12 x 1.5	2.5-6.5	.098-.256	2.21	2.15	2.08	2.01
845-4220716	4220716	A	M 16 x 1.5	2.5-7	.098-.276	2.61	2.53	2.45	2.38
845-4220616	4220616	A	M 16 x 1.5	4-9.5	.157-.374	3.36	3.26	3.16	3.06
845-4220720	4220720	A	M 20 x 1.5	4-10	.157-.394	3.35	3.25	3.15	3.05
845-4220620	4220620	A	M 20 x 1.5	7-13	.276-.512	2.93	2.84	2.75	2.67
845-4220725	4220725	A	M 25 x 1.5	5-13	.197-.512	5.80	5.63	5.46	5.29
845-4220625	4220625	A	M 25 x 1.5	8-16	.315-.630	5.11	4.97	4.81	4.66
845-4220732	4220732	A	M 32 x 1.5	7-17	.276-.669	10.02	9.73	9.43	9.14
845-4220632	4220632	A	M 32 x 1.5	11-21	.433-.827	8.78	8.53	8.27	8.02

Altech Corp.® EMC METAL CABLE GLAND

RoHS Compliant

Material:
- Body: Nickel-plated brass
- Seal: Tefabloc
- Clamping ring for grounding connection: Tin-plated plastic
- Seal ring for outer thread: Nitril
- Characteristic feature: PG/Metric thread

Technical Properties:
- Continuous EMC protection due to tin-plated plastic
- Gas and water-tight
- Completely twist protected
- Combinable with various sealing inserts
- Temperature range: -25 to 120° C (-13 to 248° F)
- IP68 protection rating

PG Thread

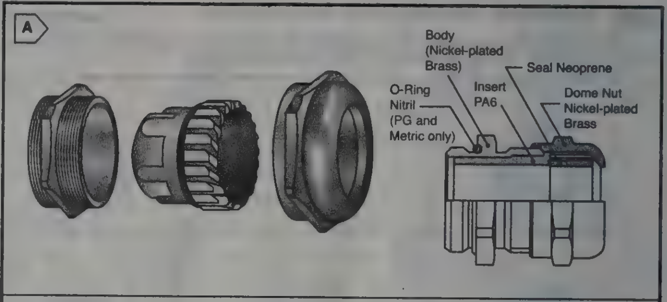
For quantities of 2000 and up, call for quote.

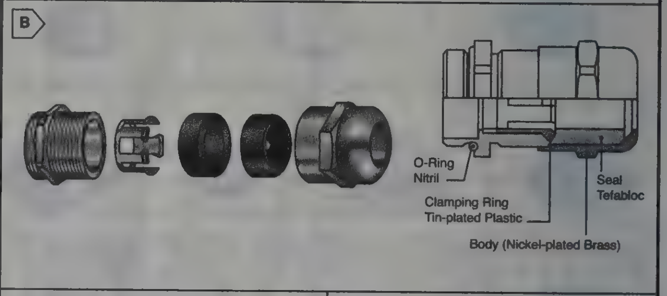
MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range		Price Each			
				mm	In.	1	25	50	100
845-4264007	4264007	B	PG 7	4 -6.5	.157 - .256	3.93	3.81	3.70	3.58
845-4264009	4264009	B	PG 9	5 -8.5	.197 - .335	4.48	4.32	4.19	4.12
845-4264011	4264011	B	PG 11	7 -10.5	.276 - .413	5.81	5.64	5.47	5.29
845-4264013	4264013	B	PG 13	8 -12.5	.315 - .492	6.60	6.40	6.21	6.02
845-4264016	4264016	B	PG 16	10 -14.5	.394 - .571	7.18	6.97	6.76	6.55
845-4264021	4264021	B	PG 21	13.5 -18	.531 - .709	11.02	10.70	10.37	10.04
845-4264029	4264029	B	PG 29	17 -24	.669 - .945	19.97	19.38	18.80	18.21

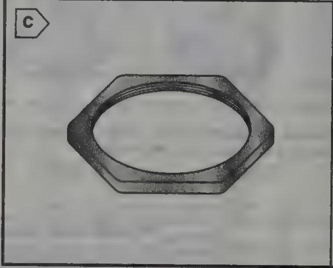
Metric Thread

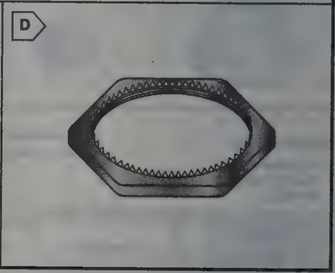
For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Cable Clamp Range		Price Each			
				mm	In.	1	25	50	100
845-4264112	4264112	B	M 12 x 1.5	4 -6.5	.157 - .256	3.80	3.69	3.58	3.47
845-4264116	4264116	B	M 16 x 1.5	4 -6.5	.157 - .256	3.98	3.86	3.74	3.63
845-4264117	4264117	B	M 16 x 1.5	5 -8.5	.197 - .335	4.53	4.40	4.27	4.14
845-4264120	4264120	B	M 20 x 1.5	7 -10.5	.276 - .413	5.99	5.81	5.63	5.45
845-4264121	4264121	B	M 20 x 1.5	8 -12.5	.315 - .492	6.03	5.86	5.67	5.50
845-4264125	4264125	B	M 25 x 1.5	10 -14.5	.394 - .571	7.75	7.52	7.29	7.06
845-4264126	4264126	B	M 25 x 1.5	13.5 -18	.531 - .709	10.80	10.48	10.16	9.85
845-4264132	4264132	B	M 32 x 1.5	13.5 -18	.531 - .709	13.72	13.32	12.92	12.51
845-4264133	4264133	B	M 32 x 1.5	13.5 -18	.531 - .709	18.66	18.10	17.56	17.01


A
Body (Nickel-plated Brass)
Seal Neoprene
O-Ring Nitril (PG and Metric only)
Insert PA6
Dome Nut Nickel-plated Brass







Altech Corp.® LOCK NUTS

RoHS Compliant

Nickel-Plated Brass

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Price Each			
				1	25	50	100
PG (DIN 46 320)							
845-6000070	6000070	C	PG 7	.25	.22	.21	.18
845-6000096	6000096	C	PG 9	.25	.23	.20	.18
845-6000118	6000118	C	PG 11	.45	.40	.36	.32
845-6000134	6000134	C	PG 13.5	.61	.55	.50	.44
845-6000169	6000169	C	PG 16	.73	.67	.60	.54
845-6000215	6000215	C	PG 21	.72	.70	.68	.66
845-6000290	6000290	C	PG 29	.83	.81	.78	.76
Metric							
845-6004121	6004121	C	M 12 x 1.5	.25	.22	.21	.18
845-6004164	6004164	C	M 16 x 1.5	.34	.30	.27	.24
845-6004202	6004202	C	M 20 x 1.5	.47	.42	.38	.33
845-6004253	6004253	C	M 25 x 1.5	.71	.65	.58	.51
845-6004326	6004326	C	M 32 x 1.5	.74	.71	.70	.67

Ribbed Nickel-Plated Brass EMC Applications

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Thread Size	Price Each			
				1	25	50	100
PG							
845-6011007	6011007	D	PG 7	.61	.59	.57	.55
845-6011009	6011009	D	PG 9	.63	.61	.59	.57
845-6011011	6011011	D	PG 11	.64	.62	.62	.59
845-6011013	6011013	D	PG 13.5	.68	.66	.63	.62
845-6011016	6011016	D	PG 16	.76	.74	.72	.70
845-6011021	6011021	D	PG 21	1.04	1.00	.97	.94
845-6011029	6011029	D	PG 29	1.54	1.50	1.46	1.40
Metric							
845-6011112	6011112	D	M 12 x 1.5	.69	.63	.56	.50
845-6011116	6011116	D	M 16 x 1.5	.74	.72	.70	.67
845-6011120	6011120	D	M 20 x 1.5	.94	.91	.88	.86
845-6011125	6011125	D	M 25 x 1.5	1.37	1.33	1.29	1.25
845-6011132	6011132	D	M 32 x 1.5	2.04	1.98	1.92	1.86

APM HEXSEAL Hardware

APM HEXSEAL®

APM HEXSEAL SEELNUTS®

APM Hexseal Seelnuts® are self-sealing, vibration-resistant nuts which incorporate a silicone rubber section, molded and bonded to the nut. Upon tightening the nut, a high-pressure seal is formed along the threaded section as well as the panel surface.

Specifications:

- Nut Style: Hexnut, Self-sealing
- Fastener Material: Steel
- Finish: Zinc-Plated
- Seal Material: Silicone Rubber (Orange)
- Temperature Range: -160°F to +500°F
- Thread Direction: Right-Hand Thread
- Pressure Range: Up to 6,000 psi
- Agency Listings: UL and CSA listed

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Thread Size	Dimensions (In.)		Price Each		
			F	H	1	100	500
608-6-32AJ6	6-32 AJ 6	6-32	0.31	0.14	2.30	2.20	2.10
608-8-32AJ6	8-32 AJ 6	8-32	0.34	0.16	2.30	2.20	2.10
608-10-32AJ6	10-32 AJ 6	10-32	0.38	0.16	2.30	2.20	2.10
608-10-24AJ6	10-24 AJ 6	10-24	0.38	0.16	2.30	2.20	2.10
608-1/4-20AJ6	1/4-20 AJ 6	1/4-20	0.44	0.22	2.58	2.46	2.35
608-1/4-28AJ6	1/4-28 AJ 6	1/4-28	0.44	0.22	2.58	2.46	2.35
608-5/16-18AJ6	5/16-18 AJ 6	5/16-18	0.5	0.27	2.58	2.46	2.35
608-5/16-24AJ6	5/16-24 AJ 6	5/16-24	0.5	0.27	2.58	2.46	2.35
608-3/8-16AJ6	3/8-16 AJ 6	3/8-16	0.56	0.33	2.74	2.62	2.50
608-3/8-24AJ6	3/8-24 AJ 6	3/8-24	0.56	0.33	2.74	2.62	2.50
608-7/16-20AJ6	7/16-20 AJ 6	7/16-20	0.69	0.38	2.74	2.62	2.50
608-1/2-13AJ6	1/2-13 AJ 6	1/2-13	0.75	0.42	2.74	2.62	2.50
608-1/2-20AJ6	1/2-20 AJ 6	1/2-20	0.75	0.42	2.74	2.62	2.50
608-5/8-18AJ6	5/8-18 AJ 6	5/8-18	0.94	0.55	3.38	3.23	3.09

APM HEXSEAL SEELOC® WASHERS

Seeloc® Washers are self-sealing, vibration-resistant washers, each having a silicone rubber section, molded and bonded to a stainless steel formed washer. These washers are designed for use with regular screws or bolts for sealing panels and cases having large clearance holes or slots, and can also be used to seal openings of protrusions. Upon tightening, a seal is formed under the head of the screw or bolt, as well as, around the periphery of the washer face.

Specifications:

- Shape: Bonded
- Washer Material: 18-8 Stainless Steel
- Finish: Plain, Silicone Rubber-Backed
- Rubber Seal Color: Green
- Overall Thickness: 0.156" (5/32")
- Temperature Range: -160°F to +500°F

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	For Thread Size	Dimensions (In.)		Price Each		
			ø ID	ø OD	1	100	500
608-75602	75602	#6	0.149	1	2.48	2.38	2.27
608-75802	75802	#8	0.175	1	2.48	2.38	2.27
608-75102	75102	#10	0.2	1	2.48	2.38	2.27
608-75082	75082	1/4	0.265	1	2.48	2.38	2.27
608-75107	75107	5/16	0.325	1	2.48	2.38	2.27
608-75122	75122	3/8	0.387	1	2.48	2.38	2.27
608-75142	75142	7/16	0.452	1	2.48	2.38	2.27
608-75162	75162	1/2	0.511	1	2.48	2.38	2.27

APM HEXSEAL SEELBOLTS®

Stainless Steel SeelBolts® are designed to seal out air, water, lubricants and other liquid or gaseous contaminants. Hex head cap screw design. Orange silicone O-ring is securely nested in precision-engineered groove for optimum sealing effectiveness. Provides for vibration-resistant complete metal-to-metal contact

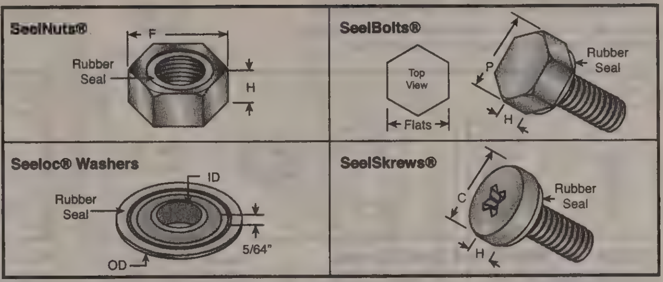
Specifications:

- Head/Drive Style: Hex, Self-sealing
- Fastener Material: 18-8 Stainless Steel
- Finish: Plain, Passivated
- O-ring Material: Silicone Rubber (Orange)
- Temperature Range: -160°F to +500°F
- Pressure Range: Up to 6,000 psi
- Agency Listings: UL and CSA listed

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Bolt Length (In.)	Thread Length	Price Each		
				1	100	500
Thread Size: 1/4-20UNC-2A P Nom.=0.510" H=0.163" (Max.) Flats=0.440" (Max.)						
608-ST1/4-20X1/2	ST1/4-20X1/2	0.5	Fully Threaded	1.33	1.28	1.22
608-ST1/4-20X3/4	ST1/4-20X3/4	0.75	Fully Threaded	1.36	1.30	1.24
608-ST1/4-20X1	ST1/4-20X1	1	Fully Threaded	1.70	1.63	1.55
608-ST1/4-20X1-1/4	ST1/4-20X1-1/4	1.25	Partially Threaded	2.02	1.94	1.85
608-ST1/4-20X1-1/2	ST1/4-20X1-1/2	1.5	Partially Threaded	2.02	1.94	1.85
608-ST1/4-20X1-3/4	ST1/4-20X1-3/4	1.75	Partially Threaded	2.16	2.07	1.97
608-ST1/4-20X2	ST1/4-20X2	2	Partially Threaded	2.30	2.20	2.10
608-ST1/4-20X2-1/2	ST1/4-20X2-1/2	2.5	Partially Threaded	2.42	2.31	2.21
608-ST1/4-20X3	ST1/4-20X3	3	Partially Threaded	2.55	2.44	2.33
Thread Size: 5/16-18UNC-2A P Nom.=0.580" H=0.211" (Max.) Flats=0.502" (Max.)						
608-ST5/16-18X3/4	ST5/16-18X3/4	0.75	Fully Threaded	2.19	2.09	2.00
608-ST5/16-18X1	ST5/16-18X1	1	Partially Threaded	2.53	2.42	2.31
608-ST5/16-18X1-1/4	ST5/16-18X1-1/4	1.25	Partially Threaded	2.53	2.42	2.31
608-ST5/16-18X1-1/2	ST5/16-18X1-1/2	1.5	Partially Threaded	2.71	2.60	2.48
608-ST5/16-18X1-3/4	ST5/16-18X1-3/4	1.75	Partially Threaded	2.71	2.60	2.48
608-ST5/16-18X2	ST5/16-18X2	2	Partially Threaded	2.90	2.77	2.65
608-ST5/16-18X2-1/2	ST5/16-18X2-1/2	2.5	Partially Threaded	3.11	2.97	2.84
608-ST5/16-18X3	ST5/16-18X3	3	Partially Threaded	3.59	3.43	3.28
Thread Size: 3/8-16UNC-2A P Nom.=0.650" H=0.243" (Max.) Flats=0.565" (Max.)						
608-ST3/8-16X3/4	ST3/8-16X3/4	0.75	Fully Threaded	2.42	2.31	2.21
608-ST3/8-16X1	ST3/8-16X1	1	Fully Threaded	2.53	2.42	2.31
608-ST3/8-16X1-1/4	ST3/8-16X1-1/4	1.25	Partially Threaded	2.71	2.60	2.48
608-ST3/8-16X1-1/2	ST3/8-16X1-1/2	1.5	Partially Threaded	2.94	2.82	2.69
608-ST3/8-16X1-3/4	ST3/8-16X1-3/4	1.75	Partially Threaded	3.11	2.97	2.84
608-ST3/8-16X2	ST3/8-16X2	2	Partially Threaded	3.24	3.10	2.96
608-ST3/8-16X2-1/2	ST3/8-16X2-1/2	2.5	Partially Threaded	3.52	3.37	3.21
608-ST3/8-16X3	ST3/8-16X3	3	Partially Threaded	3.82	3.65	3.49
Thread Size: 1/2-13UNC-2A P Nom.=0.870" H=0.323" (Max.) Flats=0.752" (Max.)						
608-ST1/2-13X1	ST1/2-13X1	1	Fully Threaded	4.19	4.00	3.82
608-ST1/2-13X1-1/4	ST1/2-13X1-1/4	1.25	Fully Threaded	5.54	5.30	5.06
608-ST1/2-13X1-1/2	ST1/2-13X1-1/2	1.5	Partially Threaded	4.46	4.27	4.07
608-ST1/2-13X2	ST1/2-13X2	2	Partially Threaded	4.69	4.49	4.28
608-ST1/2-13X2-1/2	ST1/2-13X2-1/2	2.5	Partially Threaded	5.20	4.97	4.75
608-ST1/2-13X3	ST1/2-13X3	3	Partially Threaded	5.52	5.28	5.04
608-ST1/2-13X3-1/2	ST1/2-13X3-1/2	3.5	Partially Threaded	5.73	5.48	5.23
608-ST1/2-13X4	ST1/2-13X4	4	Partially Threaded	6.21	5.94	5.67



APM HEXSEAL SEELSKREWS®

Stainless Steel SEELSKREWS® are designed to seal out air, water, lubricants, and other liquid or gaseous contaminants. Standard Pan Head Phillips recessed design. Orange silicone O-ring is securely nested in precision-engineered groove for optimum sealing effectiveness. Provides for vibration-resistant complete metal-to-metal contact.

- Head/Drive Style: Phillips Pan, Self-sealing.
- Fastener Material: 18-8 Stainless Steel.
- O-Ring: MS312 - Silicone; MS3213 Fluorosilicone
- O-ring Material: Silicone Rubber (Orange)
- Finish: Plain, Passivated
- Temperature Range: -160°F to +500°F
- Pressure Range: Up to 6,000 psi
- Agency Listings: UL and CSA listed.

RoHS Compliant

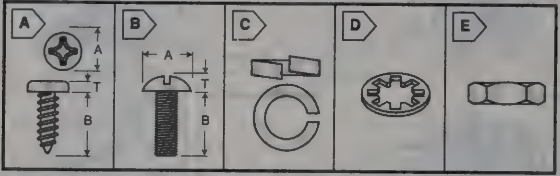
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	APM Hexseal Part No.	Mil-Spec Part No.	Bolt Length (In.)	Price Each		
				1	100	500
Thread Size: 2-56UNC-2A C=0.168" (Max.) D=0.055" (Max.)						
608-R2-56X1/4	R2-56X1/4	N/A	0.25	.74	.70	.67
608-R2-56X5/16	R2-56X5/16	N/A	0.3125	.74	.70	.67
608-R2-56X3/8	R2-56X3/8	N/A	0.375	.74	.70	.67
608-R2-56X7/16	R2-56X7/16	N/A	0.4375	.74	.70	.67
608-R2-56X1/2	R2-56X1/2	N/A	0.5	.74	.70	.67
608-R2-56X5/8	R2-56X5/8	N/A	0.625	.74	.70	.67
Thread Size: 4-40UNC-2A C=0.238" (Max.) D=0.08" (Max.)						
608-R4-40X1/4	R4-40X1/4	MS3212-1	0.25	.48	.46	.44
608-R4-40X5/16	R4-40X5/16	MS3212-2	0.3125	.48	.46	.44
608-R4-40X3/8	R4-40X3/8	MS3212-3	0.375	.51	.48	.46
608-R4-40X7/16	R4-40X7/16	MS3212-4	0.4375	.51	.48	.46
608-R4-40X1/2	R4-40X1/2	MS3212-5	0.5	.51	.48	.46
608-R4-40X9/16	R4-40X9/16	MS3212-6	0.5625	.53	.51	.48
608-R4-40X5/8	R4-40X5/8	MS3212-7	0.625	.53	.51	.48
608-R4-40X3/4	R4-40X3/4	MS3212-8	0.75	.55	.53	.50
608-R4-40X7/8	R4-40X7/8	MS3212-9	0.875	.60	.57	.55
608-R4-40X1	R4-40X1	MS3212-10	1	.64	.62	.59
Thread Size: 6-32UNC-2A C=0.294" (Max.) D=0.097" (Max.)						
608-R6-32X1/4	R6-32X1/4	MS3212-11	0.25	.51	.48	.46
608-R6-32X5/16	R6-32X5/16	MS3212-12	0.3125	.51	.48	.46
608-R6-32X3/8	R6-32X3/8	MS3212-13	0.375	.51	.48	.46
608-R6-32X7/16	R6-32X7/16	MS3212-14	0.4375	.53	.51	.48
608-R6-32X1/2	R6-32X1/2	MS3212-15	0.5	.53	.51	.48
608-R6-32X9/16	R6-32X9/16	MS3212-16	0.5625	.55	.53	.50
608-R6-32X5/8	R6-32X5/8	MS3212-17	0.625	.55	.53	.50
608-R6-32X3/4	R6-32X3/4	MS3212-18	0.75	.60	.57	.55
608-R6-32X7/8	R6-32X7/8	MS3212-19	0.875	.60	.57	.55
608-R6-32X1	R6-32X1	MS3212-20	1	.64	.62	.59
Thread Size: 8-32UNC-2A C=0.347" (Max.) D=0.115" (Max.)						
608-R8-32X1/4	R8-32X1/4	MS3212-21	0.25	.53	.51	.48
608-R8-32X5/16	R8-32X5/16	MS3212-22	0.3125	.55	.53	.50
608-R8-32X3/8	R8-32X3/8	MS3212-23	0.375	.55	.53	.50
608-R8-32X7/16	R8-32X7/16	MS3212-24	0.4375	.58	.55	.53
608-R8-32X1/2	R8-32X1/2	MS3212-25	0.5	.58	.55	.53
608-R8-32X9/16	R8-32X9/16	MS3212-26	0.5625	.60	.57	.55
608-R8-32X5/8	R8-32X5/8	MS3212-27	0.625	.64	.62	.59
608-R8-32X3/4	R8-32X3/4	MS3212-28	0.75	.67	.64	.61
608-R8-32X7/8	R8-32X7/8	MS3212-29	0.875	.71	.68	.65
608-R8-32X1	R8-32X1	MS3212-30	1	.74	.70	.67
Thread Size: 10-32UNF-2A C=0.403" (Max.) D=0.133" (Max.)						
608-R10-32X3/8	R10-32X3/8	MS3212-31	0.375	.62	.59	.57
608-R10-32X7/16	R10-32X7/16	MS3212-32	0.4375	.64	.62	.59
608-R10-32X1/2	R10-32X1/2	MS3212-33	0.5	.69	.66	.63
608-R10-32X9/16	R10-32X9/16	MS3212-34	0.5625	.74	.70	.67
608-R10-32X5/8	R10-32X5/8	MS3212-35	0.625	.81	.77	.74
608-R10-32X3/4	R10-32X3/4	MS3212-36	0.75	.81	.77	.74
608-R10-32X7/8	R10-32X7/8	MS3212-37	0.875	.87	.84	.80
608-R10-32X1	R10-32X1	MS3212-38	1	.94	.90	.86
Thread Size: 10-24UNC-2A C=0.403" (Max.) D=0.133" (Max.)						
608-R10-24X3/8	R10-24X3/8	MS3212-39	0.375	.62	.59	.57
608-R10-24X7/16	R10-24X7/16	MS3212-40	0.4375	.64	.62	.59
608-R10-24X1/2	R10-24X1/2	MS3212-41	0.5	.69	.66	.63
608-R10-24X9/16	R10-24X9/16	MS3212-42	0.5625	.74	.70	.67
608-R10-24X5/8	R10-24X5/8	MS3212-43	0.625	.81	.77	.74
608-R10-24X3/4	R10-24X3/4	MS3212-44	0.75	.81	.77	.74
608-R10-24X7/8	R10-24X7/8	MS3212-45	0.875	.87	.84	.80
608-R10-24X1	R10-24X1	MS3212-46	1	.94	.90	.86
Thread Size: 1/4-20UNC-2A C=0.517" (Max.) D=0.175" (Max.)						
608-R1/4-20X3/8	R1/4-20X3/8	MS3212-47	0.375	1.04	.99	.95
608-R1/4-20X7/16	R1/4-20X7/16	MS3212-48	0.4375	1.06	1.01	.97
608-R1/4-20X1/2	R1/4-20X1/2	MS3212-49	0.5	1.08	1.03	.99
608-R1/4-20X9/16	R1/4-20X9/16	MS3212-50	0.5625	1.20	1.14	1.09
608-R1/4-20X5/8	R1/4-20X5/8	MS3212-51	0.625	1.20	1.14	1.09
608-R1/4-20X3/4	R1/4-20X3/4	MS3212-52	0.75	1.27	1.21	1.16
608-R1/4-20X7/8	R1/4-20X7/8	MS3212-53	0.875	1.33	1.28	1.22
608-R1/4-20X1	R1/4-20X1	MS3212-54	1	1.43	1.36	1.30
608-R1/4-20X1-1/8	R1/4-20X1-1/8	MS3212-55	1.125	1.77	1.69	1.62
608-R1/4-20X1-1/4	R1/4-20X1-1/4	MS3212-56	1.25	1.98	1.89	1.81

STAINLESS STEEL HARDWARE

High quality stainless steel fasteners available for your production needs and conveniently packaged 100 pieces to a bag.

RoHS Compliant



Phillips Pan Head Sheet Metal Screws

• Sold per pkg. of 100 only

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: In.			Price Per Pkg.			
			A	B	T	1	5	10	25
5721-4-3/8-SS	A	4	0.205	3/8	0.030	5.40	4.50	3.60	2.70
5721-4-1/2-SS	A	4	0.205	1/2	0.030	5.80	4.85	3.90	2.95
5721-4-3/4-SS	A	4	0.205	3/4	0.030	6.60	5.50	4.40	3.30
5721-6-3/8-SS	A	6	0.256	3/8	0.037	6.00	5.25	4.25	3.40
5721-6-1/2-SS	A	6	0.256	1/2	0.037	6.70	5.75	4.80	3.85
5721-6-3/4-SS	A	6	0.256	3/4	0.037	7.40	6.48	5.45	4.70
5721-8-3/8-SS	A	8	0.306	3/8	0.045	7.60	6.53	5.45	4.40
5721-8-1/2-SS	A	8	0.306	1/2	0.045	7.34	6.38	5.42	4.75
5721-8-3/4-SS	A	8	0.306	3/4	0.045	9.50	8.33	7.15	6.50
5721-10-3/8-SS	A	10	0.357	3/8	0.053	10.40	9.05	7.70	6.75
5721-10-1/2-SS	A	10	0.357	1/2	0.053	10.76	9.45	8.13	7.35
5721-10-3/4-SS	A	10	0.357	3/4	0.053	11.66	10.27	8.88	8.10

Round Head Machine Screws

• Sold per pkg. of 100 only

5721-256-1/4-SS	B	2-56	0.146	1/4	0.037	8.10	6.75	5.40	4.05
5721-256-3/8-SS	B	2-56	0.146	3/8	0.037	6.15	5.13	4.10	3.08
5721-256-1/2-SS	B	2-56	0.146	1/2	0.037	6.24	5.20	4.16	3.12
5721-440-1/4SS	B	4-40	0.193	1/4	0.044	4.80	4.05	3.30	2.55
5721-440-3/8-SS	B	4-40	0.193	3/8	0.044	4.90	4.20	3.45	2.85
5721-440-1/2-SS	B	4-40	0.193	1/2	0.044	5.00	4.25	3.50	2.75
5721-440-3/4-SS	B	4-40	0.193	3/4	0.044	6.97	6.00	5.03	4.25
5721-632-1/4SS	B	6-32	0.210	1/4	0.051	5.40	4.65	3.90	3.30
5721-632-3/8-SS	B	6-32	0.210	3/8	0.051	5.70	5.05	4.40	3.95
5721-632-1/2-SS	B	6-32	0.210	1/2	0.051	5.90	5.25	4.80	4.25
5721-632-3/4-SS	B	6-32	0.210	3/4	0.051	7.40	6.65	6.10	5.75
5721-832-1/4-SS	B	8-32	0.287	1/4	0.058	7.00	6.15	5.30	4.80
5721-832-3/8-SS	B	8-32	0.287	3/8	0.058	7.30	6.43	5.55	5.00
5721-832-1/2-SS	B	8-32	0.287	1/2	0.058	8.50	7.60	6.85	6.50
5721-832-3/4-SS	B	8-32	0.287	3/4	0.058	9.72	9.00	8.50	8.00
5721-1032-1/4-SS	B	10-32	0.334	1/4	0.065	9.20	8.45	8.00	7.25
5721-1032-3/8-SS	B	10-32	0.334	3/8	0.065	9.43	8.53	7.95	7.60
5721-1032-1/2-SS	B	10-32	0.334	1/2	0.065	11.12	10.42	9.73	9.20
5721-1032-3/4-SS	B	10-32	0.334	3/4	0.065	15.04	14.10	13.16	12.50

Lock Washers

• Sold per pkg. of 100 only

MOUSER STOCK NO.	Fig.	Style	Inside Dia.	Outside Dia.	Width	Price Per Pkg.		
						1	10	50
5721-LWS-4-SS	C	Split	0.114	0.209	0.040	2.94	2.45	1.96
5721-LWS-6-SS	C	Split	0.141	0.250	0.047	4.80	4.00	3.20
5721-LWS-8SS	C	Split	0.167	0.293	0.055	3.09	2.58	2.06
5721-LWS-10-SS	C	Split	0.193	0.334	0.062	3.39	2.83	2.26
5721-LWI-4-SS	D	Internal Tooth	0.114	0.209	0.040	4.80	4.00	3.20
5721-LWI6SS	D	Internal Tooth	0.141	0.250	0.047	4.95	4.13	3.30
5721-LWI-8-SS	D	Internal Tooth	0.167	0.293	0.055	5.55	4.63	3.70
5721-LWI-10-SS	D	Internal Tooth	0.193	0.334	0.062	5.85	4.88	3.90

Hex Nuts

• Sold per pkg. of 100 only

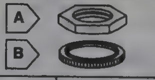
MOUSER STOCK NO.	Fig.	Flat Width	Corner Width	Thickness	Price Per Pkg.		
					1	10	50
5721-256-SS	E	3/16	0.205	0.057	4.80	4.00	3.20
5721-440-SS	E	1/4	0.275	0.087	4.99	4.23	3.46
5721-632-SS	E	5/16	0.344	0.102	4.80	4.35	3.65
5721-832-SS	E	11/32	0.378	0.117	5.70	5.00	4.30
5721-1032-SS	E	3/8	0.419	0.117	6.70	5.95	5.15

NICKEL PLATED FLAT WASHERS

• Nickel-plated steel • Sold per box of 100 only

MOUSER STOCK NO.	Size	O.D. (In.)	Price Per Box		
			1	10	50
524-11-142C	4	9/32	3.33	2.98	2.45
524-11-146C	6	3/8	2.59	2.33	2.25
538-MW-403C	8	3/8	1.88	1.70	1.64
538-MW-410C	3/8	7/8	3.60	3.24	3.13
538-MW-404C	10	7/16	2.00	1.80	1.74

KEYSTONE PANEL NUTS



- For volume controls, switches, capacitors, tip jacks, etc.
- Material: brass, nickel plated

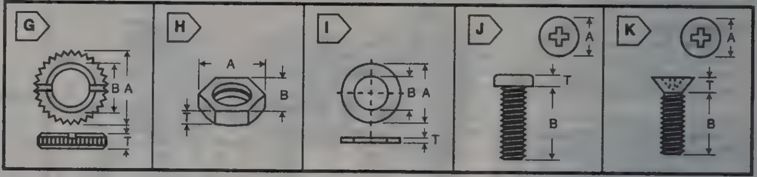
MOUSER STOCK NO.	Fig.	Type	Thread	Diameter	Thickness (In.)	Price Each	
						1	100
534-1448	A	Mounting	1/4-32	3/8 hex	3/32	.21	.11
534-1449	A	Mini control	1/4-32	5/16 hex	5/64	.16	.08
534-1456	A	Vol. control	3/8-32	1/2 hex	3/32	.22	.12
534-1458	A	Switch	15/32-32	9/16 hex	5/64	.30	.15
534-1459	B	Switch ring	15/32-32	5/8 knurl.	1/16	.49	.26

eagle plastic devices

METRIC HARDWARE

Low profile metric nuts for switches, potentiometers, LED'S, plugs, and jacks.

DIMENSIONS (mm)



Knurled Nuts

Please order in multiples of 100 For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Thread Size (mm)	Material	Plating	Dimensions (mm)			Price Each			
					A	B	T	1	100	1000	10000
48KN004-GR	G	M4 x .50	Brass	Nickel	6	4	1.5	- - -	.10	.09	.083
48KN006	G	M6 x .50	Brass	Nickel	8	6	1.5	- - -	.15	.13	.12
48KN007	G	M6 x .50	Brass	Nickel	8	6	2	- - -	.12	.11	.10

Hex Nuts

For quantities greater than listed, call for quote.

48AN006	H	M6 x 0.75	Steel	Zinc	9	8	2	- - -	.027	.025	.023
48AN007	H	M7 x 0.75	Steel	Zinc	11	10	2	- - -	.027	.025	.023
481-0007	H	M7 x 0.75	Steel	Nickel	11	10	2	- - -	.03	.028	.025
†481-0017F	H	M7 x 0.75	Steel	Zinc	11	10	2	- - -	.11	.099	.09
48AN008	H	M8 x 0.75	Steel	Zinc	12	11	2	- - -	.027	.025	.023
48AN009	H	M9 x 0.75	Steel	Zinc	13.5	12	2	- - -	.027	.025	.023
481-0009	H	M9 x 0.75	Steel	Nickel	13.5	12	2	- - -	.03	.028	.025
481-0095	H	M9.5 x 0.75	Steel	Nickel	15.3	13.4	2.2	- - -	.24	.21	.16
*481-9575	H	M9.5 x 0.75	Steel	Nickel	14.3	12.5	2.5	- - -	.059	.046	.038
481-0010	H	M10 x 0.75	Steel	Zinc	16	14	2	- - -	.042	.039	.035
48AN010	H	M10 x 1.00	Steel	Nickel	16	14	2	- - -	.042	.039	.035
48AN012	H	M12 x .75	Steel	Nickel	16	14	2	- - -	.06	.055	.05

† Special 7M nut. Inside diameter will fit over 1/4" round potentiometer shafts.
* Equivalent to 3/8 x 32 NEF

Star Washer

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Size (mm)	Style	Material	Plating	Price Each			
						1	100	1000	10000
481-0685	D	5	Internal tooth	Steel	Zinc	- - -	.016	.014	.01
481-0686	D	6	Internal tooth	Steel	Zinc	- - -	.024	.021	.011
481-0687	D	7	Internal tooth	Steel	Zinc	- - -	.032	.029	.02
481-0688	D	8	Internal tooth	Steel	Zinc	- - -	.04	.036	.024
481-0680	D	10	Internal tooth	Steel	Zinc	- - -	.056	.05	.038
481-0682	D	12	Internal tooth	Steel	Zinc	- - -	.064	.058	.046

Flat Washers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Thread Size (mm)	Material	Plating	Dimensions (mm)			Price Each			
					A	B	T	1	100	1000	10000
48CW007	I	M7	Steel	Zinc	12	7	.5	- - -	.013	.011	.01
48CW008	I	M8	Steel	Zinc	14	8	.5	- - -	.013	.011	.01
48CW009	I	M9	Steel	Zinc	14	9	.5	- - -	.013	.011	.01
48CW009.5	I	M9.5	Steel	Zinc	14	10	.5	- - -	.013	.011	.01

Pan Head Phillips Screw

For quantities greater than listed, call for quote.

481-S002F	J	M1.7 x 0.35	Steel	Nickel	3	4	1	- - -	.033	.03	.027
48SM004	J	M2 x 0.40	Steel	Nickel	3.5	4	1.3	- - -	.012	.011	.01
48SM006	J	M2 x 0.40	Steel	Nickel	3.5	4.7	1.3	- - -	.012	.011	.01
48SM028	J	M2.6 x 0.45	Steel	Nickel	4	6	1.8	- - -	.012	.011	.01
48SM003	J	M3 x 0.50	Steel	Nickel	5	6	2	- - -	.012	.011	.01
*481-0240	J	M2 x Self T.	Steel	Nickel	4	7.5	1	- - -	.036	.033	.03
481-0264	J	M2.6 x 0.45	Steel	Nickel	4	4	1.8	- - -	.012	.011	.01
481-0263	J	M3 x 0.50	Steel	Nickel	5	4	1.8	- - -	.012	.011	.01
†481-2680	J	M2.6 x Self T	Steel	Nickel	4.25	8	1.8	- - -	.036	.033	.03

Flat Head Phillips Screw

For quantities greater than listed, call for quote.

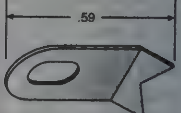
48SS003	K	M2.5 x 0.45	Steel	Nickel	4	2.5	1.5	- - -	.012	.011	.01

* Fits 163-5005 & 163-5006 † Fits 161-2103, 161-2104, 161-2105, 161-2106, 161-2108

SPEAKER MOUNTING CLIP

For panel mounting of speakers. Slotted mounting hole accepts a #4 screw (not included).

DIMENSIONS (IN.)



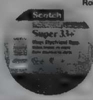
MOUSER STOCK NO.	Price Each			
	1	100	1000	10000
48SC004	.12	.038	.033	.031

3M ELECTRICAL TAPE

RoHS Compliant

MADE IN USA

Scotch® Super 33+ Tape



Premium 7 mil, flame retardant, weather resistant tape. Resists temperature and moisture for splicing. Meets equirements of UL 510, HHI-595, CAS 22.2

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-33	3/4" x 66'	4.91	4.66

Scotch® Super 88 Tape

Premium-grade heavy-duty 8.5 mil, flame retardant, cold and weather resistant tape with superior cold weather handling features. Meets UL 510, MIL-1-24391, and CSA 22.2

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-88	3/4" x 66'	5.54	5.26

EAGLE PLASTIC DEVICES Nylon Hardware

MACHINE SCREWS

High quality screws made of durable type 6/6 nylon (UL-94V2).

Flat Slotted 82°

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Price Each		
		Thread	Length	1	100	1000
561-F440.25	A	4-40	.25	.20	.07	.05
561-F440.375	A	4-40	.375	.20	.07	.05
561-F440.5	A	4-40	.50	.20	.07	.05
561-F440.75	A	4-40	.75	.21	.10	.06
561-F440-1	A	4-40	1.00	.20	.07	.05
561-F632.25	A	6-32	.25	.20	.07	.05
561-F632.375	A	6-32	.375	.20	.07	.05
561-F632.5	A	6-32	.50	.22	.11	.07
561-F632.75	A	6-32	.75	.21	.08	.05
561-F632-1	A	6-32	1.00	.22	.09	.07
561-F832.25	A	8-32	.25	.21	.08	.05
561-F832.375	A	8-32	.375	.21	.08	.05
561-F832.5	A	8-32	.50	.21	.08	.05
561-F832-1	A	8-32	1.00	.21	.08	.05

Pan Slotted

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Thread	Length	1	100	1000
561-P440.25	B	4-40	.25	.19	.07	.05
561-P440.375	B	4-40	.375	.20	.07	.05
561-P440.5	B	4-40	.50	.21	.08	.05
561-P440.75	B	4-40	.75	.21	.09	.06
561-P440-1	B	4-40	1.00	.20	.07	.05
561-P632.25	B	6-32	.25	.23	.11	.08
561-P632.375	B	6-32	.375	.23	.09	.06
561-P632.5	B	6-32	.50	.22	.09	.06
561-P632.75	B	6-32	.75	.21	.08	.05
561-P632-1	B	6-32	1.00	.21	.10	.05
561-P832.25	B	8-32	.25	.21	.09	.05
561-P832.375	B	8-32	.375	.21	.08	.05
561-P832.5	B	8-32	.50	.21	.08	.05
561-P832.75	B	8-32	.75	.22	.09	.06
561-P832-1	B	8-32	1.00	.21	.08	.05

Round Slotted Screws

Nylon 6/6 meets MIL-M20693B "A" type 1, LP410A, and
ASTM D789-66 type 1, GDE 2 (UL-94V2)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Price Each		
		Thread	Length	1	100	1000
561-J440.25	C	4-40	.25	.21	.10	.05
561-J440.375	C	4-40	.375	.20	.07	.05
561-J440.5	C	4-40	.50	.21	.08	.05
561-J440.75	C	4-40	.75	.20	.07	.05
561-J440-1	C	4-40	1.00	.21	.10	.07
561-J632.25	C	6-32	.25	.21	.11	.08
561-J632.375	C	6-32	.375	.20	.07	.05
561-J832.25	C	8-32	.25	.21	.08	.05
561-J832.375	C	8-32	.375	.21	.08	.05
561-J832.75	C	8-32	.75	.21	.08	.05
561-J832-1	C	8-32	1.00	.21	.08	.05
561-J1032.25	C	10-32	.25	.24	.09	.06
561-J1032.375	C	10-32	.375	.24	.09	.06
561-J1032.50	C	10-32	.50	.24	.09	.06
561-J1032.75	C	10-32	.75	.24	.09	.06
561-J1032-1	C	10-32	1.00	.24	.09	.06

Knurled Head Thumb Screws

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Price Each		
		Thread	Length	1	100	1000
561-T0440018	D	4-40	.187	.31	.16	.09
561-T0440025	D	4-40	.250	.30	.15	.09
561-T0440037	D	4-40	.375	.30	.14	.09
561-T0440050	D	4-40	.500	.30	.14	.09
561-T0440075	D	4-40	.750	.30	.14	.09
561-T0632025	D	6-32	.250	.34	.15	.10
561-T0632037	D	6-32	.375	.34	.15	.10
561-T0632050	D	6-32	.500	.34	.15	.10
561-T0632075	D	6-32	.750	.34	.15	.10
561-T0632100	D	6-32	1.00	.34	.15	.10
561-T0832018	D	8-32	.187	.34	.15	.10
561-T0832037	D	8-32	.375	.34	.15	.10
561-T0832050	D	8-32	.500	.34	.15	.10
561-T0832075	D	8-32	.750	.34	.15	.10
561-T0832100	D	8-32	1.00	.34	.15	.10
561-T1032037	D	10-32	.375	.36	.16	.11
561-T1032050	D	10-32	.500	.36	.16	.11
561-T1032075	D	10-32	.750	.36	.16	.11
561-T1032100	D	10-32	1.00	.36	.16	.11
561-T1032150	D	10-32	1.50	.36	.16	.11
561-T1032200	D	10-32	2.00	.36	.16	.11
561-T2520050	D	1/4-20	.500	.37	.17	.11
561-T2520075	D	1/4-20	.750	.37	.17	.11
561-T2520100	D	1/4-20	1.00	.37	.17	.11
561-T2520125	D	1/4-20	1.25	.37	.17	.11
561-T2520150	D	1/4-20	1.50	.39	.18	.12

METAL CORE NYLON SCREWS

Features:

- Shear Strength of heat-treated steel.
- Dielectric insulation, corrosion resistance, and vibration resistance of nylon.
- Nylon 6/6 Natural High Strength, High Carbon, C.H.Q. Steel
- High Dielectric Resistance Precision Cold Formed and Knurled
- Corrosion Resistant Electro Zinc or Cadmium Plated
- Vibration and Abrasion Resistant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)				Price Each		
		Thread	Length	Head Dia.	Head Hgt.	1	100	1000
561-R632.25	E	6-32	.250	.255	.095	.53	.36	.24
561-R632.375	E	6-32	.375	.255	.095	.56	.37	.25
561-R632.5	E	6-32	.500	.255	.095	.57	.38	.25
561-R832.375	E	8-32	.375	.300	.120	.57	.38	.25
561-R832.5	E	8-32	.500	.300	.120	.57	.38	.25
561-R1032.375	E	10-32	.375	.340	.130	.59	.40	.26
561-R1032.5	E	10-32	.500	.340	.130	.66	.44	.29
561-R1032.75	E	10-32	.750	.340	.130	.70	.47	.31
561-R1032.1	E	10-32	1.000	.340	.130	.75	.50	.34
561-R2520.375	E	250-20	.375	.450	.165	.35	.29	.23
561-R2520.5	E	250-20	.500	.450	.165	.36	.30	.24
561-R2520.62	E	250-20	.625	.450	.165	.37	.31	.25
561-R2520.75	E	250-20	.750	.450	.165	.39	.32	.26
561-R2520.100	E	250-20	1.000	.450	.165	.41	.34	.27
561-W632.25	F	6-32	.250	.230	.100	.53	.36	.24
561-W632.375	F	6-32	.375	.230	.100	.56	.37	.25
561-W632.5	F	6-32	.500	.230	.100	.57	.38	.25
561-W832.375	F	8-32	.375	.265	.110	.57	.38	.25
561-W832.5	F	8-32	.500	.265	.110	.57	.38	.25
561-W1032.375	F	10-32	.375	.315	.130	.59	.40	.26
561-W1032.5	F	10-32	.500	.315	.130	.66	.44	.29
561-W1032.75	F	10-32	.750	.315	.130	.70	.47	.31
561-W2520.375	F	250-20	.375	.460	.175	.35	.29	.23
561-W2520.5	F	250-20	.500	.460	.175	.36	.30	.24
561-W2520.62	F	250-20	.625	.460	.175	.37	.31	.25
561-W2520.75	F	250-20	.750	.460	.175	.39	.32	.26
561-A632.25	G	6-32	.250	.265	.085	.28	.24	.19
561-A632.375	G	6-32	.375	.265	.085	.30	.25	.20
561-A632.5	G	6-32	.500	.265	.085	.30	.25	.20
561-A832.375	G	8-32	.375	.305	.100	.30	.25	.20
561-A832.5	G	8-32	.500	.305	.100	.31	.26	.21
561-A1032.375	G	10-32	.375	.365	.120	.32	.26	.21
561-A1032.5	G	10-32	.500	.365	.120	.35	.29	.23
561-A1032.75	G	10-32	.750	.365	.120	.37	.31	.25
561-A2520.375	G	250-20	.375	.510	.155	.35	.29	.23
561-A2520.5	G	250-20	.500	.510	.155	.36	.30	.24
561-A2520.62	G	250-20	.625	.510	.155	.37	.31	.25
561-A2520.75	G	250-20	.725	.510	.155	.39	.32	.26
561-A2520.100	G	250-20	1.000	.510	.155	.41	.34	.27
561-FMC632.25	H	6-32	.250	.225	.135	.28	.25	.20
561-FMC632.375	H	6-32	.375	.225	.135	.30	.25	.20
561-FMC632.5	H	6-32	.500	.225	.135	.30	.25	.20
561-FMC832.375	H	8-32	.375	.260	.140	.26	.15	.10
561-FMC832.5	H	8-32	.500	.260	.140	.22	.13	.09
561-F1032.375	H	10-32	.375	.300	.160	.32	.26	.21
561-F1032.5	H	10-32	.500	.300	.160	.35	.29	.23
561-F1032.75	H	10-32	.750	.300	.160	.37	.31	.25
561-F2520.375	H	250-20	.375	.400	.220	.35	.29	.23
561-F2520.5	H	250-20	.500	.400	.220	.36	.30	.24
561-F2520.62	H	250-20	.625	.400	.220	.37	.31	.25
561-F2520.75	H	250-20	.750	.400	.220	.39	.32	.26
561-F2520.100	H	250-20	1.000	.400	.220	.41	.34	.27

NUTS

Use with nylon machine screws for
mounting semiconductors to heat sinks.

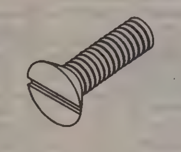
Hex Nut

Lock Nut

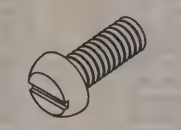
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Size	Price Each		
			1	100	1000
561-G440	Hex nut	4-40	.19	.07	.05
561-G632	Hex nut	6-32	.18	.06	.04
561-G832	Hex nut	8-32	.19	.07	.05
561-G1032	Hex nut	10-32	.19	.07	.04
561-G25020	Hex nut	1/4-20	.20	.07	.05
561-H440	Lock nut	4-40	.26	.12	.08
561-H632	Lock nut	6-32	.26	.10	.07
561-H832	Lock nut	8-32	.27	.10	.07
561-H1032	Lock nut	10-32	.27	.10	.07
561-H25020	Lock nut	1/4-20	.30	.11	.08
561-TN0440	Knurled head thumb nut	4-40	.50	.24	.15
561-TN0632	Knurled head thumb nut	6-32	.51	.24	.16
561-TN0832	Knurled head thumb nut	8-32	.53	.25	.16
561-TN1032	Knurled head thumb nut	10-32	.56	.25	.16
561-TN25020	Knurled head thumb nut	1/4-20	.57	.26	.17
561-DLWN0440	Locking wing nut	4-40	.29	.14	.09
561-DLWN0632	Locking wing nut	6-32	.29	.14	.09
561-DLWN0832	Locking wing nut	8-32	.31	.16	.10
561-DLWN1032	Locking wing nut	10-32	.29	.14	.09
561-DLWN25020	Locking wing nut	1/4-20	.39	.18	.12

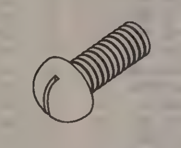
A



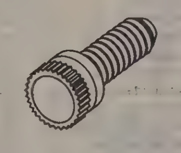
B



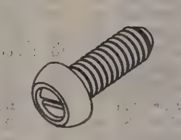
C



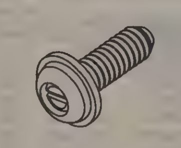
D



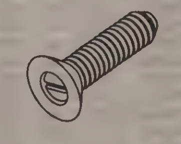
E



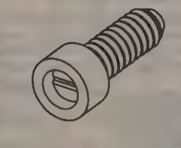
F



G



H



EAGLE PLASTIC DEVICES Nylon Hardware

SPACERS

Standard Spacers

All standard nylon spacers can be tapped two thread sizes larger than the screw size listed.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: In.			Price Each		
			A	B	L	1	100	1000
561-KSP2	A	4	.187	.115	.125	.22	.08	.06
561-KSP4	A	4	.187	.115	.187	.23	.10	.07
561-KSP6	A	4	.187	.115	.250	.24	.12	.09
561-KSP8	A	4	.187	.115	.312	.23	.10	.08
561-KSP10	A	4	.187	.115	.375	.23	.10	.07
561-K4.125	A	4	.250	.115	.125	.23	.09	.07
561-K4.187	A	4	.250	.115	.187	.24	.12	.09
561-K4.25	A	4	.250	.115	.250	.16	.07	.05
561-K4.375	A	4	.250	.115	.375	.19	.07	.05
561-K4.50	A	4	.250	.115	.500	.20	.10	.07
561-K4.625	A	4	.250	.115	.625	.31	.12	.10
561-K4.75	A	4	.250	.115	.750	.28	.10	.08
561-K4.875	A	4	.250	.115	.875	.37	.13	.10
561-K41.00	A	4	.250	.115	1.000	.39	.15	.12
561-KSP312	A	4	.250	.115	1.250	.58	.22	.17
561-K6.25	A	6	.250	.140	.250	.16	.06	.05
561-K6.375	A	6	.250	.140	.375	.20	.08	.06
561-K6.437	A	6	.250	.140	.437	.24	.12	.09
561-K6.50	A	6	.250	.140	.500	.23	.10	.07
561-K6.625	A	6	.250	.140	.625	.25	.09	.07
561-K6.75	A	6	.250	.140	.750	.35	.12	.10
561-K6.875	A	6	.250	.140	.875	.37	.13	.10
561-K61.00	A	6	.250	.140	1.000	.41	.16	.13
561-KSP92	A	6	.312	.140	.125	.22	.08	.06
561-K8.25	A	8	.250	.171	.250	.15	.06	.04
561-K8.375	A	8	.250	.171	.375	.26	.12	.09
561-K8.50	A	8	.250	.171	.500	.26	.12	.09
561-K8.625	A	8	.250	.171	.625	.29	.11	.08
561-K8.75	A	8	.250	.171	.750	.36	.13	.10
561-K8.875	A	8	.250	.171	.875	.37	.14	.11
561-K81.00	A	8	.250	.171	1.000	.40	.15	.12
561-KSP97	A	8	.312	.171	.187	.22	.08	.06
561-KSP117	A	8	.312	.171	.500	.22	.08	.06
561-KSP102	A	10	.312	.194	.250	.22	.08	.06
561-KSP110	A	10	.312	.194	.375	.22	.08	.06
561-KSP114	A	10	.312	.194	.437	.23	.10	.08
561-KSP160	A	10	.375	.194	.125	.22	.09	.07
561-KSP163	A	10	.375	.194	.187	.22	.08	.06
561-KSP166	A	10	.375	.194	.250	.24	.10	.07
561-KSP169	A	10	.375	.194	.312	.22	.08	.06
561-KSP172	A	10	.375	.194	.375	.22	.08	.06
561-KSP178	A	10	.375	.194	.500	.23	.09	.07
561-KSP190	A	10	.375	.194	.750	.25	.10	.08
561-KSP202	A	10	.375	.194	1.000	.27	.11	.08
561-KSP377	A	10	.375	.194	1.125	.64	.24	.19
561-KSP205	A	10	.500	.194	.125	.22	.08	.06
561-KSP210	A	10	.500	.194	.187	.22	.08	.06
561-KSP215	A	10	.500	.194	.250	.22	.08	.06
561-KSP220	A	10	.500	.194	.312	.23	.09	.07
561-KSP225	A	10	.500	.194	.375	.23	.09	.07
561-KSP235	A	10	.500	.194	.500	.25	.10	.08

Round Tapped Spacers

Molded from type 66 nylon and then machine tapped, these spacers are low cost insulators that can be used in many electrical applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: In.		Price Each			
			A	L	1	100	1000	5000
561-TSP1	B	4-40	.250	.250	.28	.19	.14	.12
561-TSP2	B	4-40	.250	.375	.30	.21	.17	.15
561-TSP3	B	4-40	.250	.500	.30	.21	.17	.14
561-TSP36	B	4-40	.250	.625	.28	.19	.15	.124
561-TSP4	B	4-40	.250	.750	.36	.26	.21	.19
561-TSP37	B	4-40	.250	.875	.34	.24	.19	.17
561-TSP5	B	4-40	.250	1.000	.34	.24	.19	.17
561-TSP7	B	6-32	.250	.375	.28	.19	.15	.124
561-TSP8	B	6-32	.250	.500	.30	.21	.17	.15
561-TSP38	B	6-32	.250	.625	.28	.19	.15	.124
561-TSP9	B	6-32	.250	.750	.29	.21	.16	.14
561-TSP39	B	6-32	.250	.875	.33	.24	.18	.155
561-TSP10	B	6-32	.250	1.000	.27	.18	.14	.11
561-TSP11	B	8-32	.250	.250	.26	.17	.13	.103
561-TSP12	B	8-32	.250	.375	.28	.19	.15	.124
561-TSP13	B	8-32	.250	.500	.28	.20	.16	.13
561-TSP40	B	8-32	.250	.625	.28	.19	.15	.124
561-TSP14	B	8-32	.250	.750	.33	.24	.19	.17
561-TSP15	B	8-32	.250	1.000	.33	.24	.18	.155

Locking Hex Spacer

Economic locking spacers eliminate screws, nuts, and lock washers in mounting P.C. boards on metal chassis or stacking in multiple tiers. Unique locking clips provide a mechanically secure, reusable connection in predrilled or punched holes while saving considerable assembly time.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	100	1000	5000
561-MPH276	C	Hex locking spacer	.49	.23	.17	.144

Hex Tapped Spacers

On spacer 3/4" and longer, tap is 3/8" from each end.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	L Length (In.)	Price Each		
				1	100	1000
561-L4.25	D	4-40	.250	.48	.19	.15
561-L4.375	D	4-40	.375	.55	.21	.17
561-L4.50	D	4-40	.500	.55	.19	.15
561-L4.625	D	4-40	.625	.56	.21	.17
561-L4.75	D	4-40	.750	.68	.25	.20
561-L4.875	D	4-40	.875	.82	.29	.23
561-L41.0	D	4-40	1.000	.73	.27	.21
561-L6.25	D	6-32	.250	.64	.22	.18
561-L6.375	D	6-32	.375	.53	.21	.16
561-L6.50	D	6-32	.500	.61	.22	.17
561-L6.625	D	6-32	.625	.56	.27	.19
561-L6.75	D	6-32	.750	.67	.25	.19
561-L6.875	D	6-32	.875	.82	.30	.23
561-L61.0	D	6-32	1.000	.72	.28	.21
561-L8.25	D	8-32	.250	.62	.22	.17
561-L8.375	D	8-32	.375	.63	.23	.18
561-L8.50	D	8-32	.500	.68	.25	.20
561-L8.625	D	8-32	.625	.66	.23	.18
561-L8.75	D	8-32	.750	.80	.29	.22
561-L8.875	D	8-32	.875	.84	.32	.25
561-L81.0	D	8-32	1.000	.86	.40	.29

SCREW INSULATORS

Nylon screw insulators are used to isolate metal screws electrically and reduce corrosion. They may also be used as light load bearings in many applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	L Length (In.)	Price Each			
				1	100	1000	5000
561-04006	E	4	.063	.08	.05	.04	.02
561-04012	E	4	.125	.09	.05	.04	.03
561-06004	E	6	.047	.10	.05	.04	.03
561-06012	E	6	.125	.09	.05	.04	.03
561-06018	E	6	.188	.08	.05	.04	.02
561-06025	E	6	.25	.08	.05	.04	.03
561-06050	E	6	.50	.09	.05	.04	.03
561-08012	E	8	.125	.10	.07	.05	.03
561-08025	E	8	.25	.10	.07	.05	.03
561-08037	E	8	.375	.10	.07	.05	.03
561-08050	E	8	.50	.11	.08	.06	.04
561-10014	E	10	.141	.09	.06	.04	.03
561-10025	E	10	.25	.09	.06	.04	.03
561-10037	E	10	.375	.09	.06	.04	.03
561-10075	E	10	.75	.09	.06	.04	.03
561-25012	E	1/4	.125	.09	.06	.04	.03
561-25018	E	1/4	.188	.09	.06	.04	.03
561-25025	E	1/4	.25	.09	.06	.04	.03
561-25037	E	1/4	.375	.09	.06	.04	.03
561-25050	E	1/4	.50	.09	.07	.05	.03
561-25075	E	1/4	.75	.10	.07	.05	.03

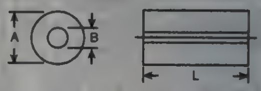
WASHERS

For quantities greater than listed, call for quote.

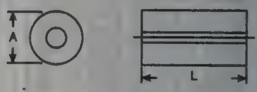
MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: In.			Price Each		
			A	B	C	1	100	1000
Standard Flat Washers								
561-D232	F	2	.250	.090	.032	.06	.02	.02
561-D262	F	2	.250	.090	.062	.06	.02	.02
561-D432	F	4	.250	.115	.032	.06	.03	.02
561-D462	F	4	.250	.115	.062	.06	.02	.02
561-D4125	F	4	.250	.115	.125	.10	.07	.05
561-D632	F	6	.312	.140	.032	.07	.03	.02
561-D662	F	6	.312	.140	.062	.08	.04	.03
561-D6125	F	6	.312	.140	.125	.09	.06	.04
561-D832	F	8	.375	.171	.032	.07	.03	.02
561-D862	F	8	.375	.171	.062	.07	.04	.03
561-D8125	F	8	.375	.171	.125	.09	.06	.04
561-D1032	F	10	.375	.194	.032	.06	.03	.02
561-D1062	F	10	.375	.194	.062	.09	.05	.03
561-D10125	F	10	.375	.194	.125	.09	.06	.04
561-D2562	F	1/4	.500	.257	.062	.07	.04	.02
561-D31262	F	5/16	.500	.317	.062	.08	.05	.03
561-D37562	F	3/8	.625	.380	.062	.07	.04	.02
561-D43762	F	7/16	.750	.443	.062	.08	.05	.04
561-D50062	F	1/2	.750	.505	.062	.09	.05	.04
Finishing Washers								
561-SFW6	G	6	.437	.143	.100	.20	.10	.07
561-SFW8	G	8	.510	.171	.115	.21	.11	.07
561-SFW10	G	10	.580	.191	.152	.22	.12	.10
Retaining Washers								
561-04032	H	4	.266	.156	.032	.07	.03	.02
561-04062	H	4	.266	.156	.062	.07	.04	.02
561-06032	H	6	.328	.198	.032	.07	.03	.02
561-06062	H	6	.328	.198	.062	.08	.04	.03
561-08032	H	8	.391	.235	.032	.09	.05	.03
561-10032	H	10	.453	.277	.032	.07	.04	.02
561-10062	H	10	.453	.277	.062	.08	.05	.04
Standard Shoulder Washers								
561-SW6	I	6	.146	.328	.040	.10	.05	.04
561-SW8	I	8	.174	.375	.050	.09	.06	.05
561-SW10	I	10	.201	.437	.050	.09	.06	.03
561-SW25	I	1/4	.260	.562	.060	.10	.07	.05
561-SW375	I	3/8	.385	.750	.060	.11	.08	.03

Dimensions: In.

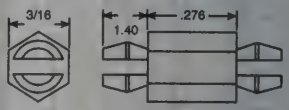
A



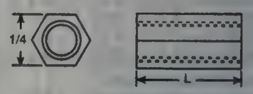
B



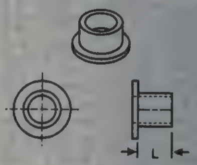
C



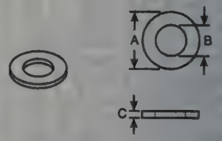
D



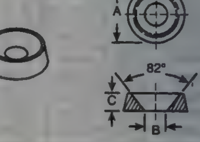
E



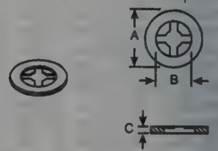
F



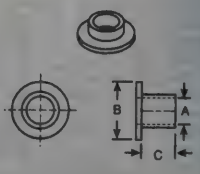
G



H



I



EAGLE PLASTIC DEVICES Nylon Hole Plugs and Fasteners

PLUGS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.				Price Each	
		Hole Dia. A	Panel Thick. B	Head Height C	Head Size D	1	100
Hole Plugs • Color: Natural • Nylon 6/6							
561-12BG09	A	.125	.031 / .094	.04	.203	.09	.07
561-15BG09	A	.150	.031 / .094	.04	.250	.09	.07
561-25BG06	A	.250	.031 / .062	.04	.422	.09	.07
561-31BG14	A	.312	.031 / .140	.055	.453	.09	.07
561-37BG31	A	.375	.031 / .140	.055	.578	.09	.07
561-43BG17	A	.437	.031 / .171	.055	.609	.11	.09
561-50BG14	A	.500	.031 / .140	.062	.672	.12	.09
561-56BG14	A	.562	.031 / .140	.062	.734	.14	.09
561-62BG07	A	.625	.031 / .072	.062	.797	.13	.09
561-75BG11	A	.750	.031 / .109	.062	.984	.19	.13
561-87BG11	A	.875	.031 / .109	.062	1.078	.20	.14
561-100BG11	A	1.000	.031 / .109	.062	1.219	.23	.16
Vent Plugs • Color: Natural • Nylon 6/6							
561-87BM11	A	.875	.031 / .109	.062	1.078	.21	.15
561-100BM11	A	1.000	.031 / .109	.062	1.219	.21	.15
Locking Hole Plugs • Color: Black • Heat Stabilized Nylon (UL94V2)							
561-M2603	B	.250	.062	.312	.312	.08	.05
561-M2617	B	.375	.125	.468	.406	.09	.05
561-M2643	B	.500	.125	.578	.406	.09	.06
561-M2663	B	.625	.125	.718	.406	.15	.08
561-M2683	B	.750	.125	.922	.406	.21	.10
561-M2703	B	.875	.125	1.016	.453	.22	.11
561-M2713	B	1.000	.125	1.203	.453	.20	.10
Locking Vent Plugs • Color: Black • Heat Stabilized Nylon (UL94V2)							
561-M2708	B	.875	.125	1.016	.453	.18	.12
561-M2707	B	1.000	.125	1.203	.453	.20	.12
Window Plugs • Clear Copolyester Material							
561-P0187	C	.187	.062	.25	.234	.21	.14
561-P0250	C	.250	.062	.312	.312	.22	.15
561-P0375	C	.375	.125	.468	.406	.25	.17
561-P0500	C	.500	.125	.578	.406	.28	.19

XMAS TREE TYPE CLIPS

- Nylon 6/6
- Can be used for blind hole applications
- Fast, easy installation with secure holding

NEW FROM SUPPLIER

RoHS Compliant

MOUSER STOCK NO.	Fig.	Hole Size	Panel Thickness	Head Style	Prong Length	Point Style	Price Each		
							1	100	500
561-XT1250250	D	.125	.062/.250	Round	.321	Conical	.10	.08	.06
561-XT1880250	E	.188	.062/.250	Round	.348	Conical	.10	.08	.06
561-XTS1250308	F	.120/.130	.135/.250	Flat	.308	Mod. Blunt	.10	.08	.06
561-XTS1870442	G	.182/.192	.035/.210	Flat	.437	Conical	.10	.08	.06
561-XTS2500394	H	.240/.260	.075/.185	Flat	.388	Round	.11	.09	.07
561-XTS2500561	I	.250	.07/.400	Round	.542	Conical	.12	.10	.08
561-XTS2500787	J	.250	.125/.687	Flat	.787	Blunt	.12	.10	.08
561-XTS2501250	K	.250	.050/.875	Crowned	1.250	Conical	.13	.11	.09
561-XTS2812020	L	.281	.810/1.580	Crowned	1.935	Conical	.22	.20	.18
561-XTS3170660	M	.320	.120/.500	Binder	.655	Blunt	.11	.09	.07

NYLON SPIN CLIPS

• Natural color resin

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Head Style	Thread	Length (in.)	Price Each		
					1	100	1000
561-SCR252050	N	Round	1/4-20	.500	.27	.12	.08
561-SCR252075	N	Round	1/4-20	.750	.27	.12	.08
561-SCR252100	N	Round	1/4-20	1.00	.27	.12	.08
561-SCK252037	O	Knurled	1/4-20	.375	.27	.12	.08
561-SCK252050	O	Knurled	1/4-20	.500	.27	.12	.08
561-SCK252075	O	Knurled	1/4-20	.750	.27	.12	.08
561-SCK252100	O	Knurled	1/4-20	1.00	.27	.12	.08
561-SCP252050	P	Pan	1/4-20	.500	.27	.12	.08
561-SCP252075	P	Pan	1/4-20	.750	.27	.12	.08
561-SCP252100	P	Pan	1/4-20	1.00	.27	.12	.08

RATCHET FASTENERS

• Molded Black Nylon 6/6 * Molded in Black Polypropylene

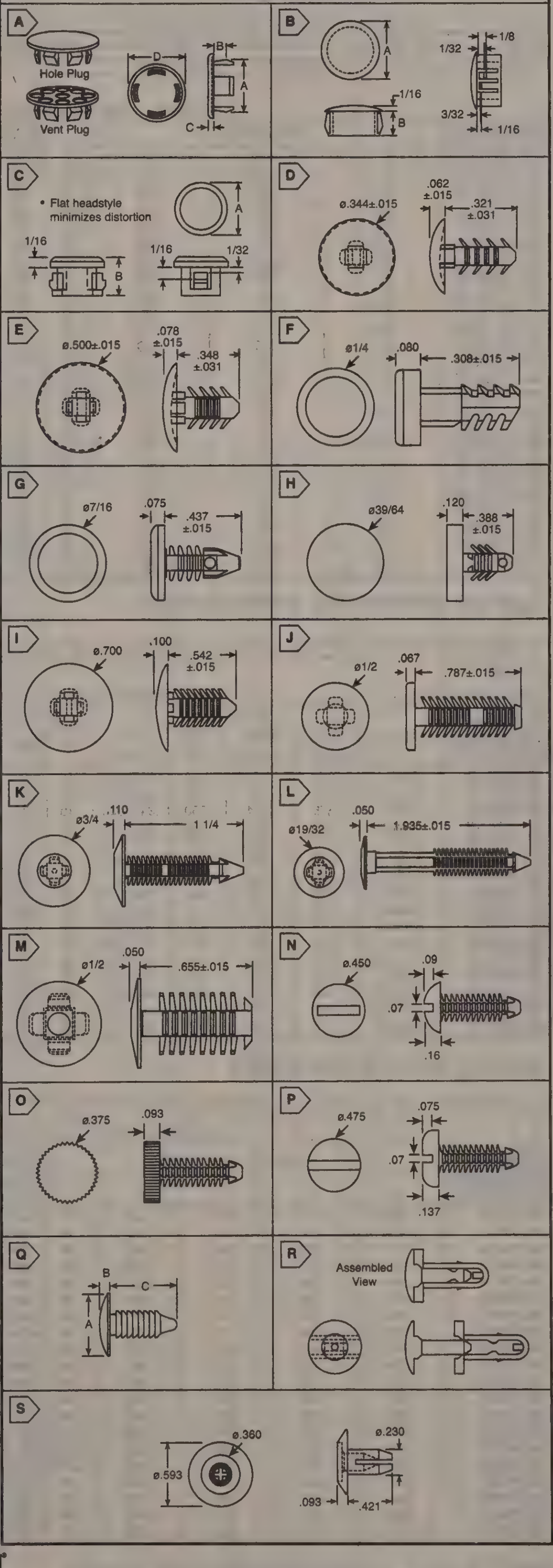
MOUSER STOCK NO.	Fig.	Hole Size	Panel Thickness	Dimensions: in.			Price Each		
				A	B	C	1	100	1000
561-RT1870	Q	.187	.025/.365	.375	.070	.500	.24	.11	.07
561-RT1875	Q	.187	.030/.330	.442	.068	.562	.16	.07	.06
* 561-RT1877	Q	.187	.125/.450	.300	.065	.700	.30	.13	.09
561-RT2504	Q	.250	.020/.218	.720	.098	.425	.27	.13	.08
561-RT2500	Q	.250	.105/.300	.700	.100	.437	.46	.20	.12
561-RT2508	Q	.250	.150/.535	.700	.107	.783	.28	.13	.09
561-RT2811	Q	.281	.093/.500	.625	.110	.891	.49	.22	.14
561-RT1874	Q	.187	.125/.365	.4375	.07	.640	.10	.05	.04
561-RT1876	Q	.187	.030/.512	.4375	.07	.680	.10	.05	.04
561-RT25081	Q	.250	.150/.535	.495	.074	.783	.18	.15	.09
561-RT2509	Q	.250	.062/.480	.492	.067	.787	.22	.13	.08

RIVETS

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each		
		Head Dia.	Hole Size	Panel Thickness	1	100	1000
Panel Cinching Rivets • 1 piece molded nylon							
561-CIN01	R	.250	.125	.020-.109	.17	.084	.06
561-CIN02	R	.375	.188	.020-.174	.21	.107	.076
561-CIN03	R	.375	.250	.020-.109	.22	.112	.079
561-CIN04	R	.625	.250	.020-.174	.31	.155	.11
Screw Rivets • 2 piece molded nylon							
561-401007	S	.594	.250	.187	.42	.183	.122
561-401008	S	.703	.250	.156	.61	.263	.176
561-401009	S	.555	.281	.125	.42	.183	.122

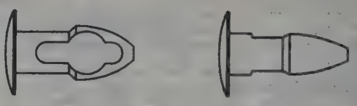
DIMENSIONS: in.



EAGLE PLASTIC DEVICES Nylon Panel Fasteners

KEY-HOLE CLIPS

The key-hole shaped interior allows the part to collapse more completely for easy assembly with finger pressure, and the tapered, bullet-style point slides into any hole easily. The angled panel lock section takes up slack in panels to provide for a tight assembly. The design allows for a relatively large clip diameter to hole size ratio, resulting in higher retention force. Parts can be tooled for a large variety of hole and panel variations.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Dimensions: In.			Price Each		
	Head Diameter	Hole Size	Panel Thickness	1	100	1000
561-Y1250125	.250	.125	.125	.08	.06	.04
561-Y1250156	.250	.125	.156	.10	.05	.04
561-Y1250187	.250	.125	.188	.08	.06	.04
561-Y1250219	.250	.125	.219	.10	.05	.04
561-Y1250250	.250	.125	.250	.08	.06	.04
561-Y156093	.313	.156	.093	.10	.05	.04
561-Y1560125	.313	.156	.125	.10	.07	.04
561-Y1560156	.313	.156	.156	.10	.05	.04
561-Y1560187	.313	.156	.187	.13	.08	.05
561-Y1560218	.313	.156	.218	.10	.05	.04
561-Y1560250	.313	.156	.250	.12	.07	.05
561-Y1560281	.313	.156	.281	.10	.05	.04
561-Y1560312	.313	.156	.312	.10	.05	.04
561-Y1560343	.313	.156	.343	.10	.05	.04
561-Y1560375	.313	.156	.375	.10	.07	.04
561-Y187093	.313	.187	.093	.10	.05	.04
561-Y1870125	.313	.187	.125	.10	.05	.04
561-Y1870156	.313	.187	.156	.10	.05	.04
561-Y1870187	.313	.187	.187	.10	.07	.04
561-Y1870219	.313	.187	.219	.10	.05	.04
561-Y1870281	.313	.187	.281	.10	.07	.04
561-Y1870343	.313	.187	.344	.10	.05	.04
561-Y1870375	.313	.187	.375	.10	.05	.04
561-Y219093	.344	.219	.093	.10	.05	.04

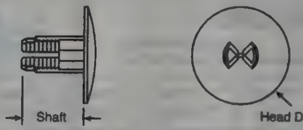
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Dimensions: In.			Price Each		
	Head Diameter	Hole Size	Panel Thickness	1	100	1000
561-Y2190125	.344	.219	.125	.10	.05	.04
561-Y2190156	.344	.219	.156	.10	.05	.04
561-Y2190187	.344	.219	.187	.10	.05	.04
561-Y2190219	.344	.219	.219	.11	.07	.05
561-Y2190250	.344	.219	.250	.10	.05	.04
561-Y2190281	.344	.219	.281	.10	.05	.04
561-Y2190312	.344	.219	.312	.10	.05	.04
561-Y2190343	.344	.219	.343	.10	.05	.04
561-Y2190375	.344	.219	.375	.10	.05	.04
561-Y1870250	.469	.187	.250	.10	.05	.04
561-Y250093	.500	.250	.093	.23	.05	.04
561-Y2500125	.500	.250	.125	.12	.08	.05
561-Y2500156	.500	.250	.156	.23	.13	.09
561-Y2500187	.500	.250	.187	.23	.13	.09
561-Y2500219	.500	.250	.219	.24	.14	.09
561-Y2500250	.500	.250	.250	.13	.08	.06
561-Y2500281	.500	.250	.281	.24	.14	.09
561-Y2500312	.500	.250	.312	.24	.14	.09
561-Y2500343	.500	.250	.343	.24	.14	.09
561-Y2500375	.500	.250	.375	.13	.08	.06
561-Y2500406	.500	.250	.406	.25	.14	.10
561-Y2500437	.500	.250	.437	.25	.14	.10
561-Y2500468	.500	.250	.468	.25	.14	.10
561-Y2500500	.500	.250	.500	.14	.09	.06

RATCHETING ACTION RIVETS

Ratcheting action rivets feature a rigid design which provides an outstanding bond created by the action of the interlocking gripper teeth. With the larger head diameter, ratcheting action rivets make binding of soft materials a simple application.

- Molded in black nylon 6/6.



For quantities greater than listed, call for quote.

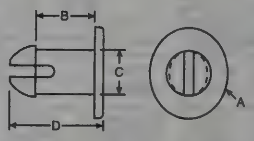
MOUSER STOCK NO.	Color	Dimensions: In.				Price Each		
		Head Diameter	Shank Length	Hole Size	Grip Range	1	100	1000
561-B3752B	Black	.375	.219	.250	.235/.297	.10	.05	.04
561-B3752N	Natural	.375	.219	.250	.235/.297	.10	.05	.04
561-B3753B	Black	.375	.344	.250	.346/.500	.10	.05	.04
561-B3753N	Natural	.375	.344	.250	.346/.500	.10	.05	.04
561-B3757B	Black	.375	.500	.250	.500/.812	.10	.05	.04
561-B3757N	Natural	.375	.500	.250	.500/.812	.10	.05	.04
561-B3710B	Black	.375	.750	.250	.780/1.375	.10	.05	.04
561-B3710N	Natural	.375	.750	.250	.780/1.375	.10	.05	.04
561-B4002B	Black	.406	.219	.281	.235/.297	.14	.09	.06
561-B4002N	Natural	.406	.219	.281	.235/.297	.25	.14	.09
561-B4003B	Black	.406	.344	.281	.346/.500	.25	.15	.10
561-B4003N	Natural	.406	.344	.281	.346/.500	.25	.15	.10
561-B4007B	Black	.406	.500	.281	.500/.812	.13	.09	.06
561-B4007N	Natural	.406	.500	.281	.500/.812	.27	.15	.10
561-B4010B	Black	.406	.750	.281	.780/1.375	.28	.16	.11
561-B4010N	Natural	.406	.750	.281	.780/1.375	.28	.16	.11

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Color	Dimensions: In.				Price Each		
		Head Diameter	Shank Length	Hole Size	Grip Range	1	100	1000
561-B6252B	Black	.625	.219	.250	.235/.297	.10	.05	.04
561-B6252N	Natural	.625	.219	.250	.235/.297	.10	.05	.04
561-B6253B	Black	.625	.344	.250	.346/.500	.10	.05	.04
561-B6253N	Natural	.625	.344	.250	.346/.500	.10	.05	.04
561-B6257B	Black	.625	.500	.250	.500/.812	.10	.05	.04
561-B6257N	Natural	.625	.500	.250	.500/.812	.22	.13	.08
561-B7002B	Black	.750	.219	.281	.235/.297	.13	.09	.06
561-B7002N	Natural	.750	.219	.281	.235/.297	.26	.15	.10
561-B7003B	Black	.750	.344	.281	.346/.500	.27	.15	.10
561-B7003N	Natural	.750	.344	.281	.346/.500	.27	.15	.10
561-B7007B	Black	.750	.500	.281	.500/.812	.14	.09	.06
561-B7007N	Natural	.750	.500	.281	.500/.812	.28	.16	.11
561-B7010B	Black	.750	.750	.281	.780/1.375	.24	.20	.12
561-B7010N	Natural	.750	.750	.281	.780/1.375	.24	.20	.12

PUSH-IN FASTENERS

Can be used as push-in glides or as bumpers. Special designed legs provide compression and expansion to lock fastener into pre-punched holes. These fasteners are vibration, abrasion, and corrosion resistant.



For quantities greater than listed, call for quote.

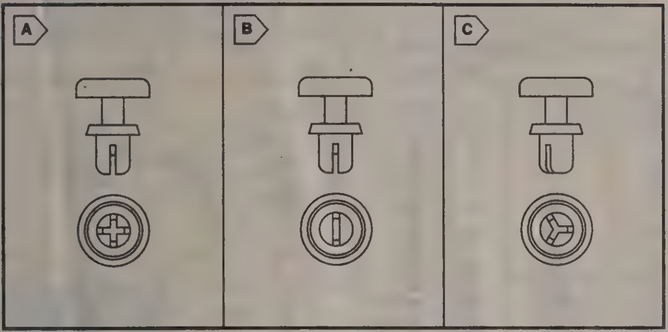
MOUSER STOCK NO.	Dimensions: In.				Price Each		
	A	B	C	D	1	100	1000
561-PIF10	.500	.220	.148	.400	.21	.12	.08
561-PIF11	.203	.208	.115	.320	.10	.06	.04
561-PIF12	.175	.268	.096	.400	.10	.06	.04
561-PIF13	.188	.533	.095	.675	.16	.09	.06
561-PIF14	.248	.813	.110	1.017	.16	.09	.06
561-PIF15	.328	.030	.152	.200	.21	.12	.08
561-PIF17	.344	.130	.160	.270	.20	.11	.08
561-PIF18	.203	.230	.128	.370	.16	.09	.06
561-PIF19	.250	.445	.095	.590	.23	.13	.09
561-PIF20	.234	.080	.124	.200	.21	.12	.08
561-PIF21	.186	.200	.080	.297	.18	.10	.07
561-PIF22	.500	.064	.243	.370	.30	.17	.11
561-PIF23	.188	.075	.120	.190	.18	.10	.07
561-PIF24	.594	.365	.245	.685	.32	.18	.12
561-PIF25	.234	1.010	.124	1.130	.19	.11	.07
561-PIF26	.234	.080	.124	.205	.21	.12	.08
561-PIF27	.375	1.062	.165	1.303	.29	.17	.11
561-PIF28	.344	.875	.175	1.115	.23	.13	.09
561-PIF29	.203	.210	.130	.342	.18	.10	.07
561-PIF30	.135	.125	.089	.235	.13	.07	.05

For quantities greater than listed, call for quote.

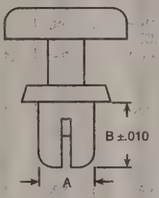
MOUSER STOCK NO.	Dimensions: In.				Price Each		
	A	B	C	D	1	100	1000
561-PIF31	.391	.503	.230	1.083	.31	.18	.12
561-PIF32	.203	.235	.115	.341	.22	.12	.08
561-PIF33	.375	.505	.160	.705	.15	.08	.06
561-PIF34	.750	.636	.180	.875	.32	.18	.12
561-PIF35	.313	.125	.089	.235	.13	.07	.05
561-PIF36	.188	.066	.090	.179	.17	.10	.07
561-PIF37	.375	.636	.180	.875	.20	.12	.08
561-PIF39	.250	.115	.093	.240	.11	.07	.05
561-PIF42	.203	.190	.130	.320	.13	.08	.05
561-PIF43	.203	.156	.115	.320	.12	.07	.05
561-PIF44	.203	.135	.115	.295	.12	.07	.05
561-PIF45	.203	.235	.115	.345	.12	.07	.05
561-PIF46	.203	.250	.115	.395	.12	.07	.05
561-PIF47	.203	.121	.115	.260	.12	.07	.05
561-PIF48	.391	.315	.157	.488	.14	.08	.05

EAGLE PLASTIC DEVICES Nylon Panel Fasteners

SNAP RIVETS



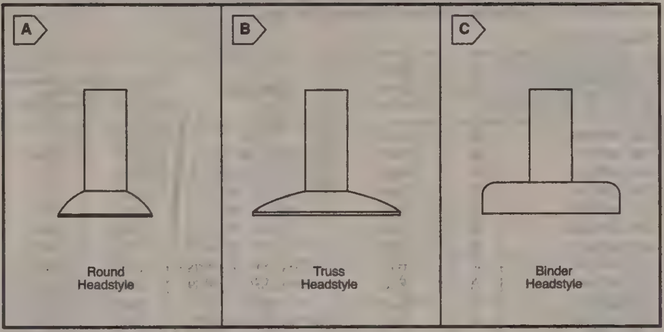
Nylon Snap Rivets are designed for assemblies requiring fast and economical fasteners that can be installed without tools. The 2 piece molded fastener comes assembled ready for use. The rivet is placed in the hole and the smooth, oversized head is pressed. The specially designed legs expand and firmly lock the components permanently in place. Snap rivets are molded in high dielectric (UL94V2) Nylon 6/6 making them ideal for electronic applications.



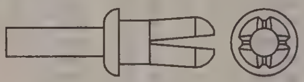
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: In.			Price Each		
		Panel Thickness	A	B	1	100	1000
561-SR12125	A	.035-.080	.100	.125	.12	.10	.08
561-SR12170	A	.078-.118	.102	.170	.21	.18	.11
561-SR12220	A	.125-.156	.102	.200	.14	.12	.10
561-SR0010	A	.050-.100	.118	.140	.11	.08	.06
561-SR13814	A	.047-.083	.135	.140	.21	.18	.11
561-SR13518	A	.060-.120	.135	.180	.21	.18	.11
561-SR13818	A	.083-.118	.135	.180	.21	.18	.11
561-SR13820	A	.106-.142	.135	.200	.21	.18	.11
561-SR13522	A	.118-.157	.135	.220	.21	.18	.11
561-SR13824	A	.146-.181	.135	.240	.21	.18	.11
561-SR13828	A	.177-.217	.135	.280	.21	.18	.11
561-SR13831	A	.217-.256	.135	.310	.21	.18	.11
561-SR15727	A	.175-.215	.157	.284	.18	.15	.12
561-SR15731	A	.148-.188	.157	.315	.14	.12	.10
561-SR15735	A	.256-.295	.157	.350	.21	.18	.11
561-SR15739	A	.295-.335	.157	.390	.21	.18	.11
561-SR15729	A	.290-.330	.157	.395	.14	.12	.10
561-SR16003	A	.100-.250	.160	.315	.13	.10	.08
561-SR16604	A	.250-.265	.165	.410	.23	.19	.12
561-SR18053	A	.250-.437	.182	.530	.14	.12	.10
561-SR19718	A	.059-.098	.195	.180	.21	.18	.11
561-SR19722	A	.098-.138	.195	.220	.21	.18	.11
561-SR19726	A	.105-.170	.195	.260	.21	.18	.11
561-SR19741	A	.295-.335	.195	.410	.21	.18	.11
561-SR20037	A	.230-.300	.198	.368	.18	.15	.12
561-SR0030	A	.160-.200	.200	.280	.13	.08	.07
561-SR23624	A	.098-.157	.236	.240	.22	.18	.11
561-SR23631	A	.138-.217	.236	.310	.12	.10	.08
561-SR240018	A	.031-.062	.240	.187	.13	.11	.09
561-SR240025	A	.062-.125	.240	.250	.13	.11	.09
561-SR240031	A	.125-.187	.240	.312	.13	.11	.09
561-SR240037	A	.187-.250	.240	.375	.13	.11	.09
561-SR240050	A	.250-.375	.240	.500	.13	.11	.09
561-SR7909	B	.024-.047	.076	.090	.21	.18	.11
561-SR7913	B	.015-.079	.076	.130	.21	.18	.11
561-SR7916	B	.083-.110	.076	.160	.21	.18	.11
561-SR7919	B	.114-.142	.076	.190	.21	.18	.11
561-SR7925	B	.173-.197	.076	.250	.21	.18	.11
561-SR12130	B	.039-.079	.100	.130	.21	.18	.11
561-SR12190	B	.106-.142	.100	.190	.21	.18	.11
561-SR16220	B	.134-.169	.100	.220	.21	.18	.11
561-SR12250	B	.142-.198	.100	.250	.21	.18	.11
561-SR12160	B	.079-.118	.118	.180	.21	.18	.11
561-SR18180	B	.075-.120	.118	.183	.21	.18	.11
561-SR18260	B	.157-.197	.118	.260	.21	.18	.11
561-SR18310	B	.217-.256	.118	.310	.21	.18	.11
561-SR18350	B	.256-.295	.118	.390	.21	.18	.11
561-SR18390	B	.295-.335	.118	.390	.21	.18	.11
561-SR0012	B	.122-.160	.122	.220	.09	.07	.05
561-SR1660240	B	.050-.180	.157	.236	.19	.13	.10
561-SR0016	B	.100-.140	.160	.200	.09	.06	.04
561-SR0020	B	.144-.188	.166	.240	.14	.09	.07
561-SR1660265	B	.170-.210	.166	.265	.17	.11	.09
561-SR18051	C	.400-.440	.118	.520	.31	.18	.12

DRIVE RIVETS



One-piece nylon blind rivets that offer a fast, economical, permanent, hand installed fastener that can be used in a wide variety of materials including sheet metal, plastic sheets, fiberglass, P.C. boards, and composition materials.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: In.			Price Each		
		Head Dia.	Hole Size	Panel Thickness	1	100	1000
561-PR9000	A	.125	.187	.031-.140	.25	.14	.09
561-PR9001	A	.125	.218	.031-.140	.25	.14	.09
561-PR6001	A	.160	.295	.062-.180	.10	.05	.04
561-PR01060	A	.160	.375	.218-.312	.10	.05	.04
561-PR2008	A	.187	.275	.031-.200	.25	.14	.09
561-PR3001	A	.187	.281	.062-.187	.25	.14	.09
561-PR3002	A	.187	.281	.062-.125	.25	.14	.09
561-PR3003	A	.187	.281	.078-.375	.25	.14	.09
561-PR3004	A	.187	.320	.312-.440	.25	.14	.09
561-PR3006	A	.187	.320	.078-.375	.25	.14	.09
561-PR3007	A	.187	.320	.375-.500	.26	.15	.10
561-PR3008	A	.187	.320	.375-.750	.26	.15	.10
561-PR01031	A	.187	.375	.156-.281	.25	.14	.09
561-PR01041	A	.187	.375	.062-.187	.25	.14	.09
561-PR1000	A	.218	.375	.093-.350	.25	.14	.09
561-PR01011	A	.226	.375	.125-.312	.25	.14	.09
561-PR01021	A	.226	.375	.125-.312	.25	.14	.09
561-PR4007	A	.245	.375	.140-.550	.18	.15	.09
561-PR4001	A	.250	.370	.350-.500	.26	.15	.10
561-PR7009	A	.250	.370	.062-.125	.21	.12	.08
561-PR8003	A	.250	.500	.109-.156	.27	.15	.10
561-PR3009	A	.275	.370	.062-.600	.26	.15	.10
561-PR01000	B	.218	.375	.187-.250	.25	.14	.09
561-PR6000	B	.182	.280	.130-.140	.25	.14	.09
561-PR1004	B	.187	.281	.062-.187	.25	.14	.09
561-PR2002	B	.187	.430	.125-.187	.25	.14	.09
561-PR2003	B	.187	.430	.062-.187	.25	.14	.09
561-PR2000	B	.187	.433	.156-.281	.25	.14	.09
561-PR7001	B	.187	.437	.156-.281	.25	.14	.09
561-PR7002	B	.187	.437	.062-.180	.25	.14	.09
561-PR01051	B	.215	.630	.078-.300	.10	.05	.04
561-PR1005	B	.226	.376	.125-.312	.10	.05	.04
561-PR7003	B	.226	.437	.125-.312	.26	.15	.10
561-PR8000	B	.250	.468	.093-.312	.26	.15	.10
561-PR8001	B	.250	.468	.109-.156	.26	.15	.10
561-PR01020	B	.280	.485	.062-.350	.24	.14	.09
561-PR1001	C	.156	.218	.187-.250	.25	.14	.09
561-PR1003	C	.156	.218	.218-.312	.25	.14	.09
561-PR1006	C	.156	.218	.218-.383	.25	.14	.09
561-PR3000	C	.187	.281	.312-.440	.25	.14	.09
561-PR3005	C	.187	.281	.375-.500	.25	.14	.09
561-PR4004	C	.187	.312	.312-.440	.26	.15	.10
561-PR4006	C	.187	.312	.078-.375	.26	.15	.10
561-PR4005	C	.187	.315	.375-.500	.26	.15	.10
561-PR2001	C	.187	.430	.062-.125	.25	.14	.09
561-PR1002	C	.218	.437	.094-.312	.25	.14	.09
561-PR4000	C	.250	.468	.350-.500	.26	.15	.10
561-PR4002	C	.250	.468	.156-.330	.26	.15	.10
561-PR4003	C	.250	.468	.093-.312	.26	.15	.10
561-PR4008	C	.250	.468	.125-.437	.29	.17	.11
561-PR01040	C	.250	.615	.281-.500	.26	.15	.10
561-PR01030	C	.250	.625	.093-.312	.26	.15	.10
561-PR01010	C	.275	.620	.093-.350	.26	.15	.10
561-PR01050	C	.290	.620	.093-.187	.26	.15	.10

Drive Rivet Insertion Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rivet Pin Size (In.)	Price Each	
		1	5
561-PRT75	.075	48.12	40.10
561-PRT93	.093	48.12	40.10
561-PRT125	.125	48.12	40.10
561-PRT150	.150	48.27	40.23

EAGLE PLASTIC DEVICES Nylon Bushings

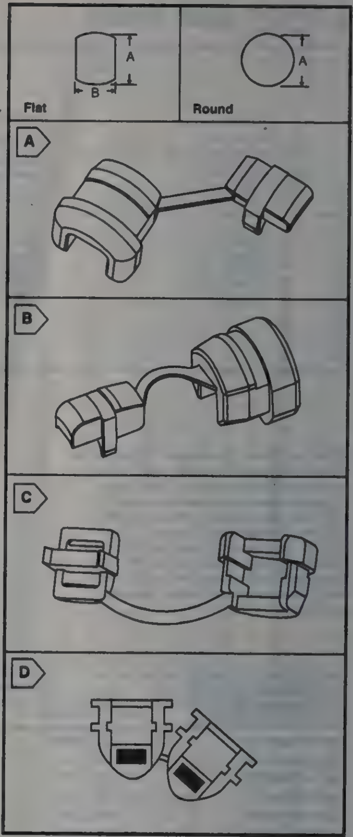
NYLON STRAIN RELIEF BUSHINGS

One piece strain relief bushings securely anchor, absorb, and protect cables and wires from push/pull and twist forces and insulate them from irregular or sharp panel edges.

Black Nylon

For quantities of 1000 and up, call for quote.

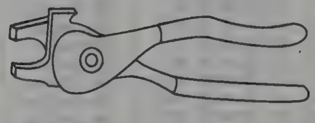
MOUSER STOCK NO.	Fig.	Cable Cross Section	Cable Type	Dimensions: In.				Price Each	
				Mounting Hole		Max. Panel Thickness	Bushing Length	1	100
				A	B				
561-MP2M4	A	Round	AWN	.0375	- - -	.062	.41	.10	.08
561-MP3P4	A	Flat	SP-1, SPT-2	.437	.390	.062	.41	.08	.05
561-MP5N4	A	Round	SV, SVT, HPD	.500	- - -	.062	.438	.13	.09
561-MP5P4	A	Round	SV, SVT, HPD	.500	- - -	.100	.438	.11	.07
561-MP4K1	A	Flat	SPT-2, HPN	.500	.460	.095	.495	.16	.09
561-MP4K1Z	B	Flat	SPT-2, HPN	.500	.460	.095	.495	.10	.05
561-MP4L1	B	Flat	SPT-1, SPT-2, HPN	.500	.460	.187	.495	.10	.05
561-MP4J4	A	Flat	SPT-1, SPT-2, HPN	.500	.465	.032	.406	.10	.05
561-MP4N4	A	Flat	SPT-1, SPT-2, HPN	.500	.465	.062	.406	.14	.09
561-MP6W1	A	Round	SJ, SJT, SJO	.500	- - -	.090	.437	.14	.08
561-MP4K4	A	Flat	SPT-1, SPT-2, HPN	.500	.465	.100	.406	.12	.07
561-MP4L4	A	Flat	SPT-1, SPT-2, HPN	.500	.465	.156	.406	.10	.05
561-MP30-1	B	Flat	SPT-2, SPT-1	.560	.730	.125	.67	.22	.12
561-MP16L1	B	Flat	SP-2, HPN, SPT-3	.562	.525	.125	.875	.21	.18
561-MP5KN4	A	Flat	SPT-2	.562	.530	.062	.609	.23	.13
561-MP5K4	A	Flat	SPT-2	.562	.530	.125	.609	.19	.11
561-MP5W1	A	Flat	SPT-2, HPN	.562	.530	.125	.609	.23	.13
561-MP6N45	A	Flat	SPT-1	.625	.545	.062	.600	.28	.16
561-MP6N34	A	Round	SJ, SJT	.625	- - -	.062	.58	.22	.12
561-MP6N4	A	Round	SJT, SJO	.625	- - -	.062	.58	.23	.13
561-MP6P34	A	Round	SJ, SJT, SJO	.625	- - -	.125	.58	.19	.09
561-MP6P4	A	Round	SJ, SJT, SJO	.625	- - -	.125	.58	.22	.11
561-MP6L1	B	Round	SJ, SJT, SJO	.625	- - -	.125	.666	.27	.15
561-MP6P35	A	Round	SJ, SJT, SJO	.625	- - -	.125	.580	.26	.15
561-MP6N44	A	Flat	SPT-1	.625	.570	.062	.600	.26	.15
561-MP7P3	B	Flat	SPT-2	.736	.657	.125	.590	.14	.11
561-MP7W20	B	Round	SJT, S, STO	.875	- - -	.125	.75	.35	.17
561-MP7K2	B	Round	SJ, SJT, SJO	.875	- - -	.125	.750	.14	.11
561-MP7K3	B	Round	SJ, SJT, SJO	.875	- - -	.125	.750	.14	.11
561-MP31-2	C	Flat, Round	SJT, SPT-3	.875	.840	.125	.812	.22	.19
561-MP34-2X	C	Flat	SPT-3	.875	.840	.125	.812	.22	.19
561-23MP302	B	Flat	SPT-2, SPT-3	.625x.375	.625	.100	.460	.28	.16
561-MP33-10	B	Flat	SPT-3, HPN	.750x.875	.875	.125	.770	.22	.19
561-MP9P2	A	Round	S	1.093-1.187	- - -	.281	.990	.24	.20
561-MP4KEZS	D	Flat	SPT	.500	.470	.100	.580	.19	.12
561-MP06KEZS	D	Round	SJ, SJT	.625	- - -	.062	.740	.24	.16

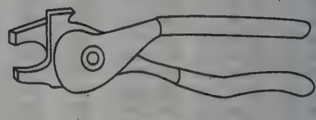


STRAIN RELIEF INSTALLATION TOOLS

- Makes bushing installation a 'breeze'
- Adjustable to all sizes

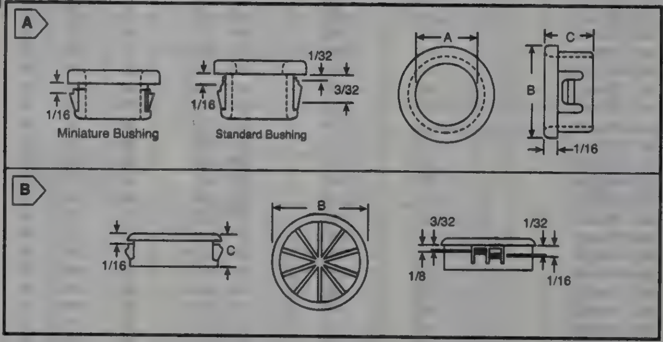
MOUSER STOCK NO.	Description	Price Each
561-M0022	Standard handles	51.84
561-M0023	Ergonomic handles	52.34


Standard


Ergonomic

NYLON BUSHINGS

- UL 94V2
- Stock color black, other colors available on request, please ask for details



Miniature Insulating Bushings

Accommodates panels up to 1/6"
and requires only 1/8" clearance.

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: In.					Price Each		
		A	B	C	Panel		1	100	1000
					Hole Dia.	Thick. (max.)			
561-MP1010	A	.125	.250	.234	.187	.062	.13	.06	.04
561-MP1015	A	.250	.375	.234	.312	.062	.13	.07	.04
561-MP1030	A	.375	.562	.250	.500	.062	.13	.07	.04
561-MP1050	A	.500	.703	.250	.625	.062	.17	.09	.07
561-MP1060	A	.625	.828	.250	.750	.062	.17	.08	.06
561-MP1080	A	.750	.937	.250	.875	.062	.18	.09	.06

Standard Insulating Bushings

Designed with multiple locks to positively snap in panels ranging from 1/32" to 1/8".

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: In.					Price Each		
		A	B	C	Panel		1	100	1000
					Hole Dia.	Thick. (max.)			
561-MP2502	A	.125	.312	.312	.250	.062	.12	.06	.04
561-MP3753	A	.187	.468	.406	.375	.125	.12	.06	.04
561-MP3754	A	.250	.468	.406	.375	.125	.13	.07	.04
561-MP4374	A	.250	.531	.406	.437	.125	.13	.06	.04
561-MP4375	A	.312	.531	.406	.437	.125	.13	.06	.04
561-MP5004	A	.250	.578	.406	.500	.125	.14	.07	.04
561-MP5005	A	.312	.578	.406	.500	.125	.14	.07	.04
561-MP5006	A	.375	.578	.406	.500	.125	.15	.08	.05
561-MP6254	A	.250	.718	.406	.625	.125	.15	.07	.04
561-MP6257	A	.437	.718	.406	.625	.125	.15	.07	.04
561-MP6258	A	.500	.718	.406	.625	.125	.15	.07	.04
561-MP7508	A	.500	.843	.406	.750	.125	.21	.10	.07
561-MP7510	A	.625	.843	.406	.750	.125	.21	.10	.07
561-MP8706	A	.375	.953	.453	.875	.125	.23	.11	.07
561-MP8710	A	.625	.953	.453	.875	.125	.23	.11	.07
561-MP10012	A	.750	1.125	.453	1.000	.125	.27	.13	.09
561-MP15018	A	1.125	1.609	.453	1.500	.125	.42	.19	.13
561-MP20026	A	1.625	2.125	.453	2.000	.125	.56	.25	.16

All-Fit Adjustable Bushings

Equipped with multiple locks to positively snap in panel thicknesses ranging from 1/32" to 1/8".

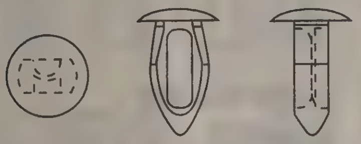
For quantities of 5000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: In.					Price Each		
		A	B	C	Panel		1	100	1000
					Hole Dia.	Thick. (max.)			
561-AF625	B	.437	.718	.406	.625	.125	.17	.09	.07
561-AF750	B	.500	.859	.390	.750	.125	.25	.14	.10
561-AF875	B	.562	.937	.453	.875	.125	.23	.11	.07
561-AF1000	B	.750	1.062	.453	1.000	.125	.26	.13	.09

EAGLE PLASTIC DEVICES Nylon PCB Hardware

NYLON ARROW CLIPS

Arrow clips are reusable, molded nylon fasteners that feature an inexpensive fast method to hand assemble metal, wood, plastic, composition, or other thin guage materials. The specially designed body compresses as it is forced through a prepunched hole and springs back to its original shape to lock the assembled parts securely. They provide an economical, electrical insulating, vibration, abrasion, and corrosion resistant connection.

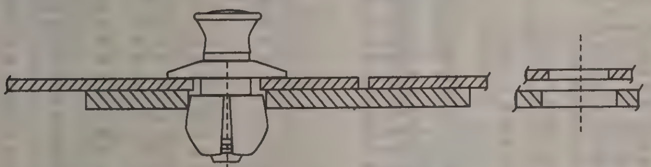


For quantities greater than 10,000, call for quote.

MOUSER STOCK NO.	Panel Thickness Range	Length	Hole Size	Head Thickness	Head Dia.	Price Each			
						1	100	1000	5000
561-AC010	.010/.031	0.125	.062/.065	0.02	0.10	.09	.07	.05	.04
561-AC018	.032/.125	0.40	.160/.165	0.08	0.28	.07	.06	.04	.03
561-AC012	.035/.065	0.35	.195/.200	0.06	0.37	.09	.07	.05	.04
561-AC020	.062/.125	0.33	.120/.135	0.04	0.27	.09	.07	.05	.04
561-AC002	.062/.125	0.395	.131/.135	0.06	0.27	.09	.07	.05	.04
561-AC003	.062/.125	0.39	.151/.161	0.04	0.28	.09	.07	.05	.04
561-AC001	.062/.125	0.40	.182/.192	0.06	0.36	.09	.07	.06	.04
561-AC007	.062/.125	0.45	.213/.223	0.06	0.37	.09	.07	.05	.04
561-AC023	.062/.140	0.45	.335/.345	0.05	0.866	.25	.20	.15	.11
561-AC004	.062/.145	0.40	.151/.161	0.08	0.28	.09	.07	.05	.04
561-AC017	.062/.340	0.90	.320/.335	0.07	0.683	.24	.19	.14	.10
561-AC013	.125/.140	0.31	.130/.132	0.07	0.27	.09	.07	.05	.04
561-AC005	.125/.187	0.54	.213/.223	0.06	0.37	.09	.07	.06	.05
561-AC009	.125/.187	0.575	.250/.260	0.06	0.484	.10	.08	.06	.05
561-AC021	.125/.250	0.63	.250/.260	0.05	0.50	.09	.07	.05	.04
561-AC011	.165/.185	0.525	.182/.192	0.06	0.375	.09	.07	.05	.04
561-AC014	.290/.300	0.53	.145/.150	0.07	0.27	.09	.07	.05	.04
561-AC006	.310/.330	0.54	.182/.192	0.06	0.37	.09	.07	.05	.04
561-AC016	.360/.380	0.81	.250/.260	0.065	0.615	.22	.18	.14	.10
561-AC024	.500/.750	1.135	.250/.260	0.068	0.61	.26	.21	.16	.12

SNAP LATCHES

Snap latches provide low total installed cost as a replacement for screws, nuts, and bolts for panel assemblies. The quick snap plunger feature allows for easy installation and removal by hand, no tools required. They are reusable and are manufactured from durable lightweight nylon 6/6 material.



For quantities greater than 10,000, call for quote.

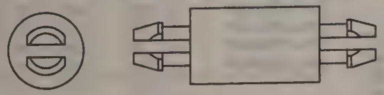
MOUSER STOCK NO.	Hole Dia. (Removable Panel)	Hole Dia. (Fixed Structure)	Length	Plunger Height	Plunger Head Dia.	Price Each			
						1	100	1000	5000
561-SL0809	.242 - .238	.254 - .250	0.38	0.10	0.28	.17	.14	.10	.07
561-SL0810	.242 - .238	.254 - .250	0.38	0.27	0.32	.21	.16	.13	.09
561-SL1010	.299 - .294	.323 - .316	0.44	0.25	0.36	.23	.19	.14	.10

METRIC PCB SUPPORTS

NEW FROM SUPPLIER

Economical locking spacers eliminate screws, nuts, and lock washers in mounting P.C. boards.

- Designed for 2.5MM diameter holes and 1.57MM thick panels.

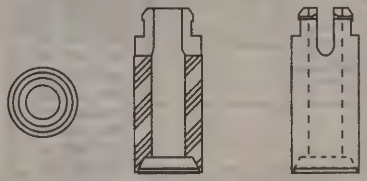


For quantities greater than 10,000, call for quote.

MOUSER STOCK NO.	Description	Price Each			
		1	100	1000	5000
561-MMP002	2mm Mini Post	.11	.09	.07	.05
561-MMP003	3mm Mini Post	.11	.09	.07	.05
561-MMP004	4mm Mini Post	.11	.09	.07	.05
561-MMP005	5mm Mini Post	.11	.09	.07	.05
561-MMP006	6mm Mini Post	.11	.09	.07	.05
561-MMP008	8mm Mini Post	.12	.10	.08	.06
561-MMP010	10mm Mini Post	.12	.10	.08	.06
561-MMP012	12mm Mini Post	.12	.10	.08	.06
561-MMP014	14mm Mini Post	.12	.10	.08	.06
561-MMP016	16mm Mini Post	.12	.10	.08	.06
561-MMP018	18mm Mini Post	.12	.10	.08	.06
561-MMP020	20mm Mini Post	.12	.10	.08	.06
561-MMP022	22mm Mini Post	.12	.10	.08	.06

STACKABLE SNAP-IN STANDOFFS

Stackable snap-in standoffs are available in #4, #6, and #8 screw sizes from 1/8"long to 1" long. Standoffs are molded in Nylon 6/6 material. Part snaps into the board and maintains spacing when the screw is removed. Parts are stackable, self-aligning, and self-retaining to provide screw insulation in multi-level applications.

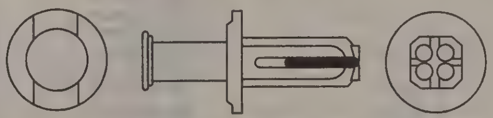


For quantities greater than 10,000, call for quote.

MOUSER STOCK NO.	Screw Size	Spacer Length	Mounting Hole Dia.	Inside Dia. Spacer	Outside Dia. Spacer	Price Each			
						1	100	1000	5000
561-STS4012	#4	0.125	0.187	0.125	0.26	.25	.17	.10	.09
561-STS4018	#4	0.1875	0.187	0.125	0.26	.25	.17	.10	.09
561-STS4025	#4	0.25	0.187	0.125	0.26	.27	.19	.12	.11
561-STS4031	#4	0.3125	0.187	0.125	0.26	.26	.18	.11	.10
561-STS4037	#4	0.375	0.187	0.125	0.26	.27	.19	.12	.10
561-STS4043	#4	0.4375	0.187	0.125	0.26	.29	.21	.14	.12
561-STS4050	#4	0.5	0.187	0.125	0.26	.29	.21	.14	.12
561-STS4062	#4	0.625	0.187	0.125	0.26	.29	.21	.14	.11
561-STS6025	#6	0.25	0.234	0.153	0.3125	.29	.21	.14	.11
561-STS6031	#6	0.3125	0.234	0.153	0.3125	.29	.21	.14	.11
561-STS6037	#6	0.375	0.234	0.153	0.3125	.29	.21	.14	.11
561-STS6043	#6	0.4375	0.234	0.153	0.3125	.30	.22	.15	.11
561-STS6050	#6	0.5	0.234	0.153	0.3125	.31	.23	.16	.12
561-STS6062	#6	0.625	0.234	0.153	0.3125	.32	.24	.17	.12
561-STS6075	#6	0.75	0.234	0.153	0.3125	.34	.25	.18	.13
561-STS6087	#6	0.875	0.234	0.153	0.3125	.36	.26	.19	.13
561-STS6100	#6	1	0.234	0.153	0.3125	.37	.27	.20	.14
561-STS8025	#8	0.25	0.234	0.169	0.3125	.28	.20	.13	.10
561-STS8031	#8	0.3125	0.234	0.169	0.3125	.29	.21	.14	.11
561-STS8037	#8	0.375	0.234	0.169	0.3125	.29	.21	.14	.11
561-STS8043	#8	0.4375	0.234	0.169	0.3125	.30	.22	.15	.11
561-STS8050	#8	0.5	0.234	0.169	0.3125	.31	.23	.16	.12
561-STS8062	#8	0.625	0.234	0.169	0.3125	.32	.24	.17	.12
561-STS8075	#8	0.75	0.234	0.169	0.3125	.34	.25	.18	.13
561-STS8087	#8	0.875	0.234	0.169	0.3125	.36	.26	.19	.13
561-STS8100	#8	1	0.234	0.169	0.3125	.37	.27	.20	.16

REMOVABLE RIVETS

Removable rivets are two-piece nylon rivets which can be removed by retracting the pin, and then the body. The body incorporates a slot in line with the pin so that the pin can be removed by inserting a small screwdriver, or other sharp edge, or even a fingernail underneath the head of the pin.

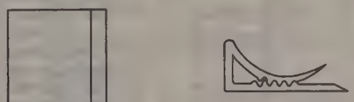


For quantities greater than 10,000, call for quote.

MOUSER STOCK NO.	Panel Thickness	Length	Hole Dia.	Head Thickness	Body Dia.	Price Each			
						1	100	1000	5000
561-RR19063	.0625	.5	.188	.07	.375	.29	.23	.17	.12
561-RR19125	.125	.5	.188	.07	.375	.29	.23	.17	.12
561-RR25125	.125	.5	.25	.07	.4375	.29	.23	.17	.12
561-RR25185	.1875	.5	.25	.07	.4375	.29	.23	.17	.12
561-RR25063	.0625	.48	.25	.07	.4375	.29	.23	.17	.12

FLAT CABLE CLAMPS

These flat cable clamps are made of PVC backed with adhesive tape for routhing flat cable neatly and firmly. Insert your cable into the clamp and your job is done.



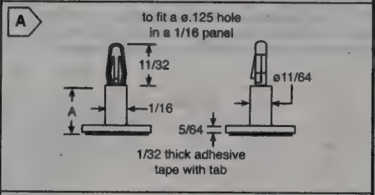
For quantities greater than 10,000, call for quote.

MOUSER STOCK NO.	Length	Width	Height	Color	Price Each			
					1	100	1000	5000
561-FCC0591	0.591	0.984	0.394	Grey	.15	.13	.10	.08
561-FCC0787	0.787	0.984	0.394	Grey	.16	.14	.11	.09
561-FCC0984	0.984	0.984	0.394	Grey	.17	.15	.12	.10
561-FCC1102	1.1	0.984	0.394	Grey	.18	.16	.13	.11

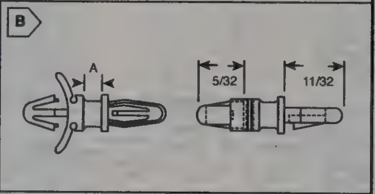
EAGLE PLASTIC DEVICES Nylon PCB Hardware

DIMENSIONS: In.

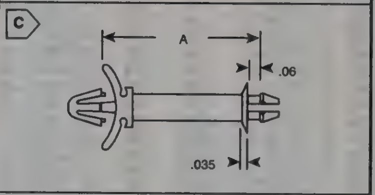
A



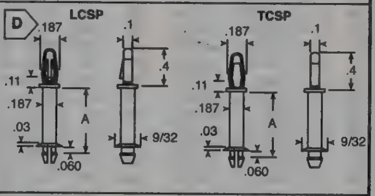
B



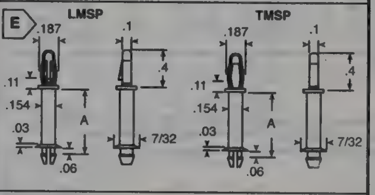
C



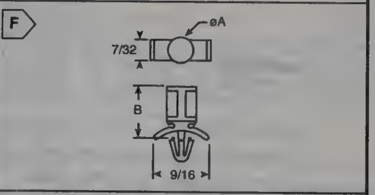
D



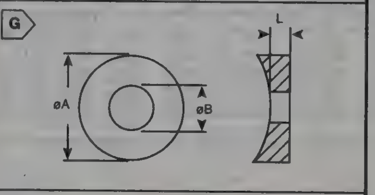
E



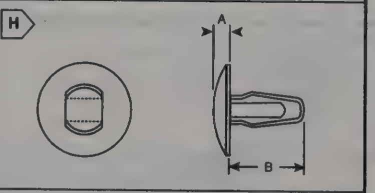
F



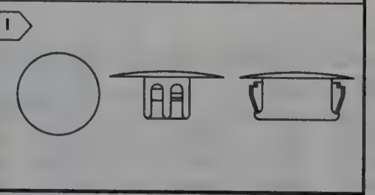
G



H



I



MINI LOCKING PCB SUPPORT

- Adhesive Base
- Ideal for smaller sized circuit boards

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)	Price Each			
		A	1	100	500	1000
561-187TAB	A	0.187	.53	.35	.27	.22
561-250TAB	A	0.250	.54	.37	.28	.23
561-312TAB	A	0.312	.56	.38	.29	.24
561-375TAB	A	0.375	.55	.37	.28	.23
561-437TAB	A	0.437	.54	.36	.27	.22
561-500TAB	A	0.500	.54	.36	.27	.22
561-562TAB	A	0.562	.54	.36	.27	.23
561-625TAB	A	0.625	.54	.36	.27	.23

NYLON PCB SUPPORTS

MLLP series

- Both Ends fit a .125" hole
- Panel thickness: 1/16"

For quantities greater than listed, call for quote.

561-MLLP187	B	0.187	.41	.27	.21	.17
561-MLLP250	B	0.250	.41	.27	.21	.17
561-MLLP375	B	0.375	.43	.29	.24	.20
561-MLLP437	B	0.437	.41	.27	.21	.17
561-MLLP500	B	0.500	.41	.28	.21	.17
561-MLLP562	B	0.562	.41	.28	.21	.17
561-MLLP625	B	0.625	.41	.28	.21	.17

LSP Series

- MSP ends fit a .156" hole
- Panel thickness: .030"/.0178"
- Locking end fits a .187" hole

For quantities greater than listed, call for quote.

561-LSP187	C	0.307	.21	.14	.11	.09
561-LSP250	C	0.365	.21	.14	.11	.09
561-LSP375	C	0.495	.22	.15	.11	.09
561-LSP437	C	0.557	.22	.15	.11	.09
561-LSP500	C	0.625	.22	.15	.11	.09
561-LSP625	C	0.745	.23	.15	.11	.09
561-LSP750	C	0.870	.23	.15	.12	.10
561-LSP875	C	0.995	.24	.16	.12	.10
561-LSP1000	C	1.120	.24	.16	.12	.10
561-LSP1125	C	1.245	.25	.16	.12	.10
561-LSP1250	C	1.370	.25	.17	.12	.10
561-LSP1375	C	1.495	.25	.17	.13	.11

LCSP and TCSP Series

- MSP ends fit a .156" hole
- Panel thickness: .030"/.0178"
- Lock or tension end fits .156" hole

For quantities greater than listed, call for quote.

561-LCSP125	D	0.125	.21	.14	.10	.09
561-LCSP250	D	0.250	.22	.15	.12	.10
561-LCSP312	D	0.312	.22	.14	.11	.09
561-LCSP375	D	0.375	.22	.15	.11	.09
561-LCSP437	D	0.437	.22	.15	.11	.09
561-LCSP500	D	0.500	.22	.15	.11	.09
561-LCSP625	D	0.625	.23	.15	.11	.09
561-LCSP750	D	0.750	.23	.15	.12	.10
561-LCSP875	D	0.875	.24	.16	.12	.10
561-LCSP1000	D	1.000	.24	.16	.12	.10
561-TCSP125	D	0.125	.21	.14	.10	.09
561-TCSP250	D	0.250	.22	.15	.12	.10
561-TCSP312	D	0.312	.22	.14	.11	.09
561-TCSP375	D	0.375	.22	.15	.11	.09
561-TCSP437	D	0.437	.22	.15	.11	.09
561-TCSP500	D	0.500	.22	.15	.11	.09
561-TCSP625	D	0.625	.23	.15	.11	.09
561-TCSP750	D	0.750	.23	.15	.12	.10
561-TCSP875	D	0.875	.24	.16	.12	.10
561-TCSP1000	D	1.000	.24	.16	.12	.10

LMSP and TMSP series

- Spring ends fit a .156" hole
- Panel thickness 1/16"
- Lock or tension end fits .125" hole

For quantities greater than listed, call for quote.

561-LMSP125	E	0.125	.21	.14	.10	.09
561-LMSP250	E	0.250	.21	.14	.11	.09
561-LMSP312	E	0.312	.22	.14	.11	.09
561-LMSP375	E	0.375	.22	.15	.11	.09
561-LMSP437	E	0.437	.22	.15	.11	.09
561-LMSP500	E	0.500	.22	.15	.11	.09
561-LMSP625	E	0.625	.23	.15	.11	.09
561-LMSP750	E	0.750	.23	.15	.12	.10
561-LMSP875	E	0.875	.24	.16	.12	.10
561-LMSP1000	E	1.000	.24	.16	.12	.10
561-TMSP125	E	0.125	.21	.14	.10	.09
561-TMSP250	E	0.250	.21	.14	.11	.09
561-TMSP312	E	0.312	.22	.14	.11	.09
561-TMSP375	E	0.375	.22	.15	.11	.09
561-TMSP437	E	0.437	.22	.15	.11	.09
561-TMSP500	E	0.500	.22	.15	.11	.09
561-TMSP625	E	0.625	.23	.15	.11	.09
561-TMSP750	E	0.750	.23	.15	.12	.10
561-TMSP875	E	0.875	.24	.16	.12	.10
561-TMSP1000	E	1.000	.24	.16	.12	.10

NYLON PUSH SPACERS

- Hole size: .187"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Panel depth	Price Each		
		A	A		1	100	500
561-PS250	F	.281	.250	.062	.07	.05	.04
561-PS500	F	.313	.500	.093	.22	.15	.11
561-PS500A	F	.313	.500	.062	.12	.08	.06
561-PS625	F	.281	.625	.062	.08	.05	.04

COVED SPACERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)			Price Each		
		A	B	L	1	100	500
561-130001	G	.750	.260	.125	.17	.11	.08
561-130002	G	.843	.257	.156	.24	.16	.12
561-130003	G	.835	.218	.500	.36	.24	.18
561-130004	G	.000	.260	.250	.31	.21	.15
561-130005	G	.000	.325	.250	.31	.21	.15
561-130006	G	.000	.250	.125	.39	.26	.19
561-130007	G	.875	.375	.250	.26	.18	.13

SNAP CLIPS

A combination for Celcon Acetal material, and a resiliant body design, give these parts a positive "snap" and more grip when assembled into place.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Hole Size	Price Each		
		A	B		1	100	500
561-1250032	H	0.250	0.250	0.125	.14	.09	.07
561-1250062	H	0.281	0.250	0.125	.14	.09	.07
561-1250093	H	0.313	0.250	0.125	.14	.09	.07
561-1250125	H	0.344	0.250	0.125	.14	.09	.07
561-1560032	H	0.281	0.313	0.156	.16	.11	.08
561-1560062	H	0.313	0.313	0.156	.16	.11	.08
561-1560093	H	0.344	0.313	0.156	.16	.11	.08
561-1560125	H	0.375	0.313	0.156	.16	.11	.08
561-1560156	H	0.406	0.313	0.156	.16	.11	.08
561-1870032	H	0.313	0.313	0.187	.19	.13	.10
561-1870062	H	0.344	0.313	0.187	.19	.13	.10
561-1870093	H	0.375	0.313	0.187	.19	.13	.10
561-1870125	H	0.406	0.313	0.187	.19	.13	.10
561-1870156	H	0.438	0.313	0.187	.19	.13	.10
561-1870187	H	0.469	0.313	0.187	.19	.13	.10
561-2190032	H	0.391	0.344	0.219	.20	.13	.10
561-2190062	H	0.422	0.344	0.219	.20	.13	.10
561-2190093	H	0.453	0.344	0.219	.20	.13	.10
561-2190125	H	0.484	0.344	0.219	.20	.13	.10
561-2190156	H	0.516	0.344	0.219	.20	.13	.10
561-2190187	H	0.547	0.344	0.219	.20	.13	.10
561-2500032	H	0.406	0.500	0.250	.27	.18	.13
561-2500062	H	0.422	0.500	0.250	.27	.18	.13
561-2500093	H	0.453	0.500	0.250	.27	.18	.13
561-2500125	H	0.484	0.500	0.250	.27	.18	.13
561-2500156	H	0.516	0.500	0.250	.27	.18	.13
561-2500187	H	0.547	0.500	0.250	.27	.18	.13

KNOCK OUT PLUGS

- Installs with fingertip pressure, no tools required
- Molded in gray nylon
- Head thickness: .125"
- Thickness: .453"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Price Each			
		Hole Dia	Dia.	1	100	500	1000
561-0875KOP	I	0.875	1.016	.31	.21	.15	.13
561-1093KOP	I	1.093	1.218	.55	.36	.27	.23
561-1375KOP	I	1.375	1.500	.61	.40	.30	.25
561-1750KOP	I	1.750	1.925	.68	.46	.34	.28
561-2000KOP	I	2.000	2.140	.72	.48	.36	.30

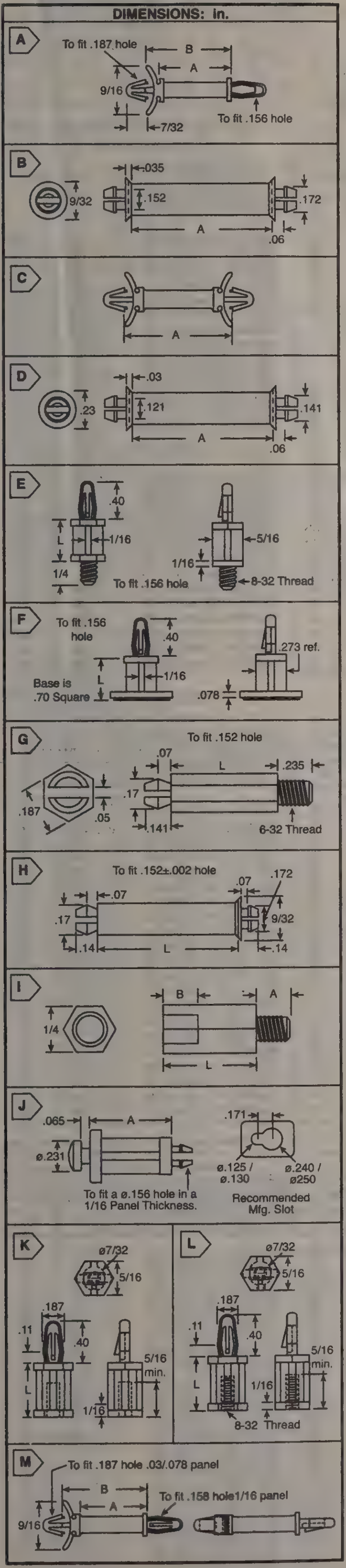
HARDWARE ASSORTMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	5
561-M2000	Nylon Fasteners, 65 sizes	90.38	86.08
561-M2003	100 Adhesive Backed Clips, 10 sizes	31.48	29.98
561-M2004	465 Circuit Board Supports, 11 sizes	90.38	86.08
561-M2006	350 Deluxe Hole Plugs, 25 sizes/types	50.46	48.42
561-M2008	200 Nylon All-Fit Bushings, 6 sizes	31.48	29.98
561-M2009	222 Insulating Bushings, 12 sizes	31.48	29.98
561-M2010	130 Hole Plugs, 13 sizes/types	31.48	29.98

EAGLE PLASTIC DEVICES Nylon PCB Hardware

DIMENSIONS: In.



PCB SUPPORTS

"Lock/Tension" Series

Designed to lock to bottom chassis and snap into a 1/16" thick panel.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)		Price Each			
		A	B	1	100	500	1000
561-LT187	A	.187	.307	.08	.07	.06	.04
561-LT250	A	.250	.365	.12	.09	.08	.07
561-LT375	A	.375	.495	.12	.10	.08	.07
561-LT437	A	.437	.557	.16	.11	.09	.07
561-LT500	A	.500	.625	.11	.08	.07	.06
561-LT625	A	.625	.745	.15	.11	.09	.07
561-LT750	A	.750	.870	.18	.12	.09	.08
561-LT875	A	.875	.995	.18	.12	.09	.08
561-LT1000	A	1.000	1.120	.20	.14	.12	.11
561-LT1125	A	1.125	1.245	.49	.33	.24	.20
561-LT1250	A	1.250	1.370	.52	.35	.27	.23
561-LT1375	A	1.375	1.495	.51	.34	.26	.21
561-LT1750	A	1.750	1.810	.55	.37	.27	.23

"DSP", "DLP", and "DMSP" Series

- DSP: both ends fit a .156" hole
- DMSP: both ends fit a .125" hole
- DLP: both ends fit a .187" hole

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)	Price Each			
		A	1	100	500	1000
561-DSP125	B	.125	.18	.10	.09	.08
561-DSP250	B	.250	.18	.11	.09	.08
561-DSP375	B	.375	.24	.19	.16	.12
561-DSP437	B	.437	.25	.19	.16	.12
561-DSP500	B	.500	.24	.18	.15	.12
561-DSP750	B	.750	.24	.18	.15	.12
561-DSP1000	B	1.000	.26	.21	.17	.13
561-DLP250	C	.365	.26	.20	.17	.13
561-DLP375	C	.495	.24	.18	.15	.12
561-DLP500	C	.625	.25	.19	.16	.13
561-DLP750	C	.87	.24	.18	.15	.12
561-DLP1000	C	1.12	.24	.18	.15	.12
561-DMSP125	D	.125	.18	.10	.09	.08
561-DMSP250	D	.250	.17	.10	.09	.08
561-DMSP375	D	.375	.18	.10	.09	.08
561-DMSP437	D	.437	.18	.10	.09	.08
561-DMSP500	D	.500	.19	.10	.09	.08
561-DMSP750	D	.750	.24	.18	.15	.08
561-DMSP1000	D	1.000	.24	.18	.15	.08

PCB LOCKING SUPPORTS

Male Threaded

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Length (In.)	Price Each			
			1	100	500	1000
561-LMTP250	E	1/4	.13	.09	.08	.07
561-LMTP375	E	3/8	.13	.09	.08	.07
561-LMTP500	E	1/2	.13	.09	.08	.07
561-LMTP625	E	5/8	.18	.12	.10	.08
561-LMTP750	E	3/4	.18	.12	.10	.08
561-LMTP1000	E	1	.19	.13	.10	.08

Adhesive Base

For quantities greater than listed, call for quote.

561-LAD187	F	3/16	.49	.36	.29	.22
561-LAD250	F	1/4	.49	.36	.29	.22
561-LAD375	F	3/8	.47	.34	.27	.21
561-LAD500	F	1/2	.48	.35	.28	.21
561-LAD625	F	5/8	.50	.37	.29	.22
561-LAD750	F	3/4	.51	.37	.30	.22
561-LAD1000	F	1	.50	.37	.29	.22

MALE PCB SUPPORT POSTS

For quantities greater than listed, call for quote.

561-MTP125	G	1/8	.11	.08	.07	.06
561-MTP250	G	1/4	.12	.09	.07	.06
561-MTP500	G	1/2	.11	.08	.07	.06
561-MTP750	G	3/4	.13	.09	.08	.07
561-MTP875	G	7/8	.13	.09	.08	.07

PCB POSTS

For quantities greater than listed, call for quote.

561-A0125	H	.125	.11	.08	.07	.06
561-A0250	H	.250	.13	.09	.08	.07
561-A0312	H	.312	.11	.08	.07	.06
561-A0375	H	.375	.13	.09	.07	.06
561-A0500	H	.500	.11	.08	.07	.06
561-A0625	H	.625	.13	.09	.08	.07
561-A0750	H	.750	.13	.09	.08	.07
561-A0875	H	.875	.13	.09	.08	.07
561-A1000	H	1.00	.14	.09	.08	.07

KEY-SLOT PCB POSTS

For use in combination with a key-slot so that the circuit board may be removed for repairs.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	A (In.)	Price Each			
			1	100	500	1000
561-KYP187	J	3/16	.22	.13	.09	.06
561-KYP250	J	1/4	.23	.13	.09	.07
561-KYP375	J	3/8	.25	.14	.09	.07
561-KYP500	J	1/2	.25	.14	.09	.07
561-KYP625	J	5/8	.25	.14	.10	.07
561-KYP750	J	3/4	.26	.15	.10	.07
561-KYP875	J	7/8	.26	.15	.10	.07
561-KYP1000	J	1	.26	.15	.10	.08

MALE-FEMALE THREADED STANDOFFS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (In.)			Price Each			
		A	B	L	1	100	500	1000
440 Thread								
561-MF440-25	I	.1875	.1875	.25	.35	.20	.12	.11
561-MF440-37	I	.1875	.1875	.375	.36	.21	.15	.12
561-MF440-50	I	.1875	.1875	.5	.36	.21	.13	.11
561-MF440-62	I	.1875	.1875	.625	.34	.21	.13	.11
561-MF440-75	I	.1875	.1875	.75	.35	.21	.13	.11
561-MF440-87	I	.1875	.1875	.875	.38	.24	.14	.12
561-MF440-100	I	.1875	.1875	1	.37	.23	.13	.12
561-MF440-125	I	.1875	.1875	1.25	.38	.24	.14	.12
561-MF440-137	I	.1875	.1875	1.375	.37	.23	.13	.12
561-MF440-150	I	.1875	.1875	1.5	.39	.24	.14	.13
561-MF440-175	I	.1875	.1875	1.75	.39	.24	.14	.13
561-MF440-200	I	.1875	.1875	2	.39	.24	.14	.13
632 Thread								
561-MF632-25	I	.25	.219	.25	.34	.19	.12	.11
561-MF632-375	I	.25	.25	.375	.34	.19	.12	.11
561-MF632-50	I	.25	.25	.5	.35	.21	.13	.11
561-MF632-62	I	.25	.25	.625	.34	.19	.12	.11
561-MF632-75	I	.25	.25	.75	.34	.19	.12	.11
561-MF632-87	I	.25	.25	.875	.37	.23	.13	.12
561-MF632-100	I	.25	.25	1	.37	.23	.13	.12
561-MF632-125	I	.25	.25	1.25	.38	.24	.14	.12
561-MF632-150	I	.25	.25	1.5	.39	.24	.14	.13
561-MF632-162	I	.25	.25	1.625	.39	.24	.14	.13
561-MF632-175	I	.25	.25	1.75	.39	.24	.14	.13
561-MF632-200	I	.25	.25	2	.39	.24	.14	.13
832 Thread								
561-MF832-25	I	.25	.2	.25	.34	.19	.12	.11
561-MF832-37	I	.375	.27	.375	.34	.19	.12	.11
561-MF832-50	I	.375	.375	.5	.34	.19	.12	.11
561-MF832-62	I	.375	.375	.625	.34	.19	.12	.11
561-MF832-75	I	.375	.375	.75	.34	.19	.12	.11
561-MF832-87	I	.375	.375	.875	.37	.23	.13	.12
561-MF832-100	I	.375	.375	1	.37	.23	.13	.12
561-MF832-112	I	.375	.375	1.125	.37	.23	.13	.12
561-MF832-125	I	.375	.375	1.25	.37	.23	.13	.12
561-MF832-137	I	.375	.375	1.375	.37	.23	.13	.12
561-MF832-150	I	.375	.375	1.5	.39	.24	.14	.13
561-MF832-200	I	.375	.375	2	.39	.24	.14	.13

FEMALE NYLON CIRCUIT BOARD POSTS

Note: Self-threading posts are designed for use with a #6 self-tapping screw.

- Recommended hole size: .156"
- 1/4" length has a thread depth of 13/64"
- Panel thickness: 1/16"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Thread	Length (In.)	Price Each			
				1	100	500	1000
561-FSTP250	K	Self	.250	.30	.22	.19	.16
561-FSTP375	K	Self	.375	.31	.23	.19	.16
561-FSTP500	K	Self	.500	.34	.25	.21	.17
561-FSTP625	K	Self	.625	.32	.24	.19	.15
561-FSTP750	K	Self	.750	.34	.25	.21	.17
561-FSTP875	K	Self	.875	.34	.25	.21	.17
561-FSTP1000	K	Self	1.000	.33	.25	.21	.16
561-FTP250	L	8-32	.250	.44	.34	.28	.22
561-FTP375	L	8-32	.375	.46	.35	.29	.24
561-FTP500	L	8-32	.500	.48	.35	.30	.24
561-FTP625	L	8-32	.625	.47	.36	.30	.24
561-FTP750	L	8-32	.750	.48	.37	.30	.24
561-FTP1000	L	8-32	1.000	.50	.38	.31	.25

NYLON PCB SUPPORTS "LOCK/LOCK" SERIES

The "LLP" series is designed to securely lock both the chassis end and the printed circuit board on top.

For quantities greater than listed, call for quote.

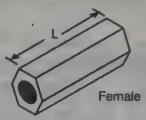
MOUSER STOCK NO.	Fig.	A	B	Price Each			
				1	100	500	1000
561-LLP187	M	.187	.307	.19	.12	.10	.09
561-LLP250	M	.250	.365	.18	.13	.11	.09
561-LLP375	M	.375	.495	.19	.14	.12	.10
561-LLP500	M	.500	.625	.21	.16	.14	.11
561-LLP625	M	.625	.745	.23	.17	.14	.11
561-LLP750	M	.750	.870	.23	.17	.14	.12
561-LLP1000	M	1.000	1.120	.39	.30	.27	.18

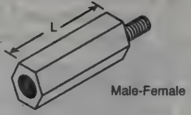
FASCOMP Metric Hardware

RoHS Compliant **This page of product is compliant.**

Fascomp
ELECTRONIC HARDWARE

Thread Size	Female Depth (mm)	Male Length (mm)
m2.5 x .045	4.8	3.97
m3 x .05	6.4	4.76
m4 x .07	11.1	9.53





METRIC HEX FEMALE STANDOFF 4.5MM

For quantities of 100 and up, call for quote.

"L" (mm)	Aluminum Material			Stainless Steel Material			Aluminum Material			Stainless Steel Material		
	MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each	
		1	50		1	50		1	50		1	50
	M2.5 x 0.45 Thread						M3 x 0.5 Thread					
3	728-FM1250-2545-A	.40	.27	728-FM1250-2545-SS	.73	.50	728-FM1250-3005-A	.40	.27	728-FM1250-3005-SS	.73	.50
4	728-FM1251-2545-A	.41	.27	728-FM1251-2545-SS	.74	.51	728-FM1251-3005-A	.41	.27	728-FM1251-3005-SS	.74	.51
5	728-FM1252-2545-A	.42	.28	728-FM1252-2545-SS	.84	.66	728-FM1252-3005-A	.42	.28	728-FM1252-3005-SS	.84	.66
6	728-FM1253-2545-A	.42	.29	728-FM1253-2545-SS	.77	.53	728-FM1253-3005-A	.42	.29	728-FM1253-3005-SS	.77	.53
7	728-FM1254-2545-A	.43	.29	728-FM1254-2545-SS	.78	.53	728-FM1254-3005-A	.43	.29	728-FM1254-3005-SS	.78	.53
8	728-FM1255-2545-A	.45	.30	728-FM1255-2545-SS	.79	.55	728-FM1255-3005-A	.45	.30	728-FM1255-3005-SS	.79	.55
9	728-FM1256-2545-A	.48	.33	728-FM1256-2545-SS	.81	.56	728-FM1256-3005-A	.48	.33	728-FM1256-3005-SS	.81	.56
10	728-FM1257-2545-A	.50	.34	728-FM1257-2545-SS	.82	.57	728-FM1257-3005-A	.50	.34	728-FM1257-3005-SS	.82	.57
11	728-FM1258-2545-A	.51	.34	728-FM1258-2545-SS	.84	.58	728-FM1258-3005-A	.51	.34	728-FM1258-3005-SS	.84	.58
12	728-FM1259-2545-A	.53	.36	728-FM1259-2545-SS	.92	.63	728-FM1259-3005-A	.53	.36	728-FM1259-3005-SS	.92	.63
13	728-FM1260-2545-A	.55	.37	728-FM1260-2545-SS	.94	.65	728-FM1260-3005-A	.55	.37	728-FM1260-3005-SS	.94	.65
14	728-FM1261-2545-A	.57	.38	728-FM1261-2545-SS	.96	.66	728-FM1261-3005-A	.57	.38	728-FM1261-3005-SS	.96	.66
15	728-FM1262-2545-A	.59	.40	728-FM1262-2545-SS	.97	.67	728-FM1262-3005-A	.59	.40	728-FM1262-3005-SS	.97	.67

METRIC HEX FEMALE STANDOFF 6.0MM

For quantities of 100 and up, call for quote.

	M3 x 0.5 Thread						M4 x 0.7 Thread					
3	728-FM1300-3005-A	.42	.28	728-FM1300-3005-SS	.73	.50	728-FM1300-4007-A	.42	.28	728-FM1300-4007-SS	.73	.50
4	728-FM1301-3005-A	.42	.29	728-FM1301-3005-SS	.74	.51	728-FM1301-4007-A	.42	.29	728-FM1301-4007-SS	.74	.51
5	728-FM1302-3005-A	.43	.29	728-FM1302-3005-SS	.76	.52	728-FM1302-4007-A	.43	.29	728-FM1302-4007-SS	.76	.52
6	728-FM1303-3005-A	.45	.30	728-FM1303-3005-SS	.77	.53	728-FM1303-4007-A	.45	.30	728-FM1303-4007-SS	.77	.53
7	728-FM1304-3005-A	.48	.33	728-FM1304-3005-SS	.78	.53	728-FM1304-4007-A	.48	.33	728-FM1304-4007-SS	.78	.53
8	728-FM1305-3005-A	.50	.34	728-FM1305-3005-SS	.79	.55	728-FM1305-4007-A	.50	.34	728-FM1305-4007-SS	.79	.55
9	728-FM1306-3005-A	.51	.34	728-FM1306-3005-SS	.81	.56	728-FM1306-4007-A	.51	.34	728-FM1306-4007-SS	.81	.56
10	728-FM1307-3005-A	.53	.36	728-FM1307-3005-SS	.82	.57	728-FM1307-4007-A	.53	.36	728-FM1307-4007-SS	.82	.57
11	728-FM1308-3005-A	.55	.37	728-FM1308-3005-SS	.84	.58	728-FM1308-4007-A	.55	.37	728-FM1308-4007-SS	.84	.58
12	728-FM1309-3005-A	.57	.38	728-FM1309-3005-SS	.92	.63	728-FM1309-4007-A	.57	.38	728-FM1309-4007-SS	.92	.63
13	728-FM1310-3005-A	.59	.40	728-FM1310-3005-SS	.94	.65	728-FM1310-4007-A	.59	.40	728-FM1310-4007-SS	.94	.65
14	728-FM1311-3005-A	.61	.41	728-FM1311-3005-SS	.96	.66	728-FM1311-4007-A	.61	.41	728-FM1311-4007-SS	.96	.66
15	728-FM1312-3005-A	.62	.42	728-FM1312-3005-SS	.97	.67	728-FM1312-4007-A	.62	.42	728-FM1312-4007-SS	.97	.67

METRIC MALE- FEMALE STANDOFF 4.5MM

For quantities of 100 and up, call for quote.

"L" (mm)	Aluminum Material			Stainless Steel Material			Aluminum Material			Stainless Steel Material		
	MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each	
		1	50		1	50		1	50		1	50
	M2.5 x .045 Thread						M3 x .05 Thread					
5	728-FM2100-2545-A	.43	.29	728-FM2100-2545-SS	.81	.56	728-FM2100-3005-A	.46	.31	728-FM2100-3005-SS	.82	.57
6	728-FM2101-2545-A	.45	.30	728-FM2101-2545-SS	.84	.58	728-FM2101-3005-A	.47	.32	728-FM2101-3005-SS	.86	.59
7	728-FM2102-2545-A	.48	.33	728-FM2102-2545-SS	.87	.60	728-FM2102-3005-A	.50	.34	728-FM2102-3005-SS	.88	.61
8	728-FM2103-2545-A	.50	.34	728-FM2103-2545-SS	.89	.61	728-FM2103-3005-A	.52	.35	728-FM2103-3005-SS	.90	.62
9	728-FM2104-2545-A	.51	.34	728-FM2104-2545-SS	.92	.63	728-FM2104-3005-A	.54	.36	728-FM2104-3005-SS	.94	.65
10	728-FM2105-2545-A	.53	.36	728-FM2105-2545-SS	.94	.65	728-FM2105-3005-A	.55	.37	728-FM2105-3005-SS	.96	.66
11	728-FM2106-2545-A	.55	.37	728-FM2106-2545-SS	.98	.67	728-FM2106-3005-A	.57	.38	728-FM2106-3005-SS	1.00	.69
12	728-FM2107-2545-A	.57	.38	728-FM2107-2545-SS	.99	.68	728-FM2107-3005-A	.58	.39	728-FM2107-3005-SS	1.01	.70
13	728-FM2108-2545-A	.59	.40	728-FM2108-2545-SS	1.02	.70	728-FM2108-3005-A	.61	.41	728-FM2108-3005-SS	1.04	.72
14	728-FM2109-2545-A	.61	.41	728-FM2109-2545-SS	1.03	.71	728-FM2109-3005-A	.62	.42	728-FM2109-3005-SS	1.06	.73
15	728-FM2110-2545-A	.62	.42	728-FM2110-2545-SS	1.05	.72	728-FM2110-3005-A	.63	.43	728-FM2110-3005-SS	1.07	.74
16	728-FM2111-2545-A	.66	.44	728-FM2111-2545-SS	1.07	.73	728-FM2111-3005-A	.67	.45	728-FM2111-3005-SS	1.09	.75
17	728-FM2112-2545-A	.68	.46	728-FM2112-2545-SS	1.08	.75	728-FM2112-3005-A	.69	.47	728-FM2112-3005-SS	1.11	.76
18	728-FM2113-2545-A	.75	.50	728-FM2113-2545-SS	1.09	.75	728-FM2113-3005-A	.76	.51	728-FM2113-3005-SS	1.12	.77
19	728-FM2114-2545-A	.77	.52	728-FM2114-2545-SS	1.11	.77	728-FM2114-3005-A	.77	.52	728-FM2114-3005-SS	1.14	.78
20	728-FM2115-2545-A	.81	.54	728-FM2115-2545-SS	1.16	.80	728-FM2115-3005-A	.82	.55	728-FM2115-3005-SS	1.18	.81
21	728-FM2116-2545-A	.90	.61	728-FM2116-2545-SS	1.19	.82	728-FM2116-3005-A	.92	.62	728-FM2116-3005-SS	1.21	.83
22	728-FM2117-2545-A	.98	.66	728-FM2117-2545-SS	1.21	.83	728-FM2117-3005-A	.99	.67	728-FM2117-3005-SS	1.23	.85
23	728-FM2118-2545-A	1.02	.68	728-FM2118-2545-SS	1.27	.87	728-FM2118-3005-A	1.03	.70	728-FM2118-3005-SS	1.29	.89
24	728-FM2119-2545-A	1.03	.70	728-FM2119-2545-SS	1.30	.89	728-FM2119-3005-A	1.06	.71	728-FM2119-3005-SS	1.32	.91
25	728-FM2120-2545-A	1.05	.71	728-FM2120-2545-SS	1.34	.92	728-FM2120-3005-A	1.07	.72	728-FM2120-3005-SS	1.36	.93

METRIC MALE- FEMALE STANDOFF 6.0MM

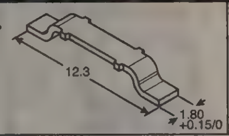
For quantities of 100 and up, call for quote.

"L" (mm)	Aluminum Material			Stainless Steel Material			Aluminum Material			Stainless Steel Material		
	MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each	
		1	50		1	50		1	50		1	50
	M3 x 0.5 Thread						M4 x .07 Thread					
5	728-FM2140-3005-A	.48	.33	728-FM2140-3005-SS	.86	.59	728-FM2140-4007-A	.48	.33	728-FM2140-4007-SS	.86	.59
6	728-FM2141-3005-A	.50	.34	728-FM2141-3005-SS	.88	.61	728-FM2141-4007-A	.50	.34	728-FM2141-4007-SS	.88	.61
7	728-FM2142-3005-A	.51	.34	728-FM2142-3005-SS	.90	.62	728-FM2142-4007-A	.51	.34	728-FM2142-4007-SS	.90	.62
8	728-FM2143-3005-A	.53	.36	728-FM2143-3005-SS	.94	.65	728-FM2143-4007-A	.53	.36	728-FM2143-4007-SS	.94	.65
9	728-FM2144-3005-A	.55	.37	728-FM2144-3005-SS	.96	.66	728-FM2144-4007-A	.55	.37	728-FM2144-4007-SS	.96	.66
10	728-FM2145-3005-A	.57	.38	728-FM2145-3005-SS	1.00	.69	728-FM2145-4007-A	.57	.38	728-FM2145-4007-SS	1.00	.69
11	728-FM2146-3005-A	.59	.40	728-FM2146-3005-SS	1.01	.70	728-FM2146-4007-A	.59	.40	728-FM2146-4007-SS	1.01	.70
12	728-FM2147-3005-A	.61	.41	728-FM2147-3005-SS	1.04	.72	728-FM2147-4007-A	.61	.41	728-FM2147-4007-SS	1.04	.72
13	728-FM2148-3005-A	.62	.42	728-FM2148-3005-SS	1.06	.73	728-FM2148-4007-A	.62	.42	728-FM2148-4007-SS	1.06	.73
14	728-FM2149-3005-A	.66	.44	728-FM2149-3005-SS	1.07	.74	728-FM2149-4007-A	.66	.44	728-FM2149-4007-SS	1.07	.74
15	728-FM2150-3005-A	.68	.46	728-FM2150-3005-SS	1.09	.75	728-FM2150-4007-A	.68	.46	728-FM2150-4007-SS	1.09	.75
16	728-FM2151-3005-A	.75	.50	728-FM2151-3005-SS	1.11	.76	728-FM2151-4007-A	.75	.50	728-FM2151-4007-SS	1.11	.76
17	728-FM2152-3005-A	.77	.52	728-FM2152-3005-SS	1.12	.77	728-FM2152-4007-A	.77	.52	728-FM2152-4007-SS	1.12	.77
18	728-FM2153-3005-A	.81	.54	728-FM2153-3005-SS	1.14	.78	728-FM2153-4007-A	.81	.54	728-FM2153-4007-SS	1.14	.78
19	728-FM2154-3005-A	.81	.34	728-FM2154-3005-SS	1.14	.54	728-FM2154-4007-A	1.03	.36	728-FM2154-4007-SS	1.21	.36
20	728-FM2155-3005-A	.98	.66	728-FM2155-3005-SS	1.21	.83	728-FM2155-4007-A	.98	.66	728-FM2155-4007-SS	1.21	.83
21	728-FM2156-3005-A	1.02	.68	728-FM2156-3005-SS	1.23	.85	728-FM2156-4007-A	1.02	.68	728-FM2156-4007-SS	1.23	.85
22	728-FM2157-3005-A	1.03	.70	728-FM2157-3005-SS	1.29	.89	728-FM2157-4007-A	1.03	.70	728-FM2157-4007-SS	1.29	.89
23	728-FM2158-3005-A	1.05	.71	728-FM2158-3005-SS	1.32	.91	728-FM2158-4007-A	1.05	.71	728-FM2158-4007-SS	1.32	.91
24	728-FM2159-3005-A	1.07	.72	728-FM2159-3005-SS	1.36	.93	728-FM2159-4007-A	1.07	.72	728-FM2159-4007-SS	1.36	.93
25	728-FM2160-3005-A	1.08	.73	728-FM2160-3005-SS	1.40	.97	728-FM2160-4007-A	1.08	.73	728-FM2160-4007-SS	1.40	.97

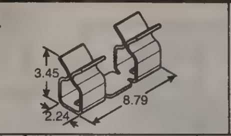
HARWIN PCB Hardware and Metric Spacers

Dimensions: mm

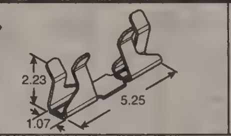
A



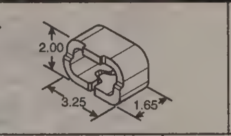
B



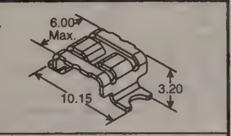
C



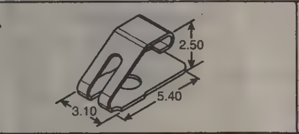
D



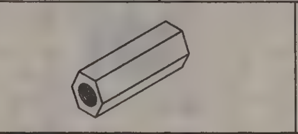
E



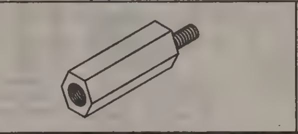
F



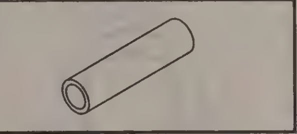
G



H



I



PCB HARDWARE

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	50	100
Jumper Links - Replaces 0Ω Resistors or Shorting Wires					
855-S1621-06R	A	SMT Jumper Link, Tin/Lead	.16	.15	.14
855-S1621-46R	A	SMT Jumper Link, Tin	.16	.15	.14
RFI Shield Clips - Allows RFI Shield Component Rework without Desoldering					
855-S1711-06R	B	SMT RFI Clip, Midi, Tin/Lead	.21	.20	.18
855-S1711-46R	B	SMT RFI Clip, Midi, Tin	.21	.20	.18
855-S1721-06R	C	SMT RFI Clip, Mini, Tin/Lead	.17	.16	.15
855-S1721-46R	C	SMT RFI Clip, Mini, Tin	.17	.16	.15
Test Points					
855-S1751-06R	D	SMT Test Terminal, Tin/Lead	.17	.14	.13
855-S1751-46R	D	SMT Test Terminal, Tin	.16	.15	.14
Fuse Clip for Mini Blade Fuses					
855-S1901-06R	E	SMT Fuse Clip, Tin/Lead	.12	.10	.09
RFI Shield Grounding Fingers					
855-S1741-46R	F	RFI Shield Finger, 2.5mm, Tin	.11	.10	.09
855-S1761-42R	F	RFI Shield Finger, 3.5mm Gold + Tin	.37	.34	.31
855-S1791-42R	F	RFI Shield Finger, 4.0mm Gold + Tin	.37	.34	.31

HEX SPACERS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	50	100
Threaded-Brass / Nickel					
855-R30-1010402	G	M3 X 4mm Hex Spacer, 5.5 A/F	.35	.32	.30
855-R30-1010702	G	M3 X 7mm Hex Spacer, 5.5 A/F	.38	.35	.32
855-R30-1010802	G	M3 X 8mm Hex Spacer, 5.5 A/F	.37	.36	.33
855-R30-1010902	G	M3 X 9mm Hex Spacer, 5.5 A/F	.37	.36	.33
855-R30-1011002	G	M3 X 10mm Hex Spacer, 5.5 A/F	.38	.35	.32
855-R30-1011102	G	M3 X 11mm Hex Spacer, 5.5 A/F	.40	.38	.35
855-R30-1011202	G	M3 X 12mm Hex Spacer, 5.5 A/F	.41	.38	.35
855-R30-1011302	G	M3 X 13mm Hex Spacer, 5.5 A/F	.40	.37	.36
855-R30-1011402	G	M3 X 14mm Hex Spacer, 5.5 A/F	.40	.38	.35
855-R30-1011502	G	M3 X 15mm Hex Spacer, 5.5 A/F	.43	.40	.36
855-R30-1011602	G	M3 X 16mm Hex Spacer, 5.5 A/F	.43	.40	.37
855-R30-1011802	G	M3 X 18mm Hex Spacer, 5.5 A/F	.46	.43	.40
855-R30-1012002	G	M3 X 20mm Hex Spacer, 5.5 A/F	.54	.50	.47
855-R30-1012502	G	M3 X 25mm Hex Spacer, 5.5 A/F	.60	.55	.51
855-R30-3000402	H	M3 X 4mm Hex SP, M/FM, 5.0A/F	.38	.35	.33
855-R30-3000502	H	M3 X 5mm Hex SP, M/FM, 5.0A/F	.41	.38	.35
855-R30-3000602	H	M3 X 6mm Hex SP, M/FM, 5.0A/F	.40	.37	.34
855-R30-3000702	H	M3 X 7mm Hex SP, M/FM, 5.0A/F	.43	.40	.37
855-R30-3000802	H	M3 X 8mm Hex SP, M/FM, 5.0A/F	.43	.40	.37
855-R30-3000902	H	M3 X 9mm Hex SP, M/FM, 5.0A/F	.45	.43	.40
855-R30-3001002	H	M3 X 10mm Hex SP, M/FM, 5.0A/F	.46	.43	.40
855-R30-3001102	H	M3 X 11mm Hex SP, M/FM, 5.0A/F	.49	.46	.41
855-R30-3001202	H	M3 X 12mm Hex SP, M/FM, 5.0A/F	.48	.45	.43
855-R30-3001302	H	M3 X 13mm Hex SP, M/FM, 5.0A/F	.52	.47	.44
855-R30-3001402	H	M3 X 14mm Hex SP, M/FM, 5.0A/F	.52	.48	.45
855-R30-3001502	H	M3 X 15mm Hex SP, M/FM, 5.0A/F	.54	.50	.47
855-R30-3001602	H	M3 X 16mm Hex SP, M/FM, 5.0A/F	.55	.50	.46
855-R30-3001802	H	M3 X 18mm Hex SP, M/FM, 5.0A/F	.56	.53	.49
855-R30-3001902	H	M3 X 19mm Hex SP, M/FM, 5.0A/F	.62	.57	.54
855-R30-3002002	H	M3 X 20mm Hex SP, M/FM, 5.0A/F	.62	.58	.54
855-R30-3002402	H	M3 X 24mm Hex SP, M/FM, 5.0A/F	.64	.60	.56
855-R30-3002502	H	M3 X 25mm Hex SP, M/FM, 5.0A/F	.70	.65	.61
855-R30-3003002	H	M3 X 30mm Hex SP, M/FM, 5.0A/F	.76	.70	.65
855-R40-1000602	G	M4 X 6mm Hex Spacer, 7.0A/F	.33	.30	.28
855-R40-1000802	G	M4 X 8mm Hex Spacer, 7.0A/F	.36	.33	.30
855-R40-1001002	G	M4 X 10mm Hex Spacer, 7.0A/F	.35	.32	.31
855-R40-1001102	G	M4 X 11mm Hex Spacer, 7.0A/F	.35	.33	.30
855-R40-1001202	G	M4 X 12mm Hex Spacer, 7.0A/F	.35	.32	.30
855-R40-1001302	G	M4 X 13mm Hex Spacer, 7.0A/F	.37	.35	.32
855-R40-1001402	G	M4 X 14mm Hex Spacer, 7.0A/F	.38	.35	.32
855-R40-1001602	G	M4 X 16mm Hex Spacer, 7.0A/F	.41	.38	.35
855-R40-1001802	G	M4 X 18mm Hex Spacer, 7.0A/F	.46	.42	.40
855-R40-1002002	G	M4 X 20mm Hex Spacer, 7.0A/F	.48	.46	.42
855-R40-1002502	G	M4 X 25mm Hex Spacer, 7.0A/F	.52	.48	.44
855-R40-3000602	H	M4 X 6mm Hex SP, M/FM, 7.0A/F	.43	.40	.37
855-R40-3000702	H	M4 X 7mm Hex SP, M/FM, 7.0A/F	.43	.40	.37
855-R40-3000802	H	M4 X 8mm Hex SP, M/FM, 7.0A/F	.46	.43	.40
855-R40-3000902	H	M4 X 9mm Hex SP, M/FM, 7.0A/F	.48	.46	.42
855-R40-3001002	H	M4 X 10mm Hex SP, M/FM, 7.0A/F	.51	.48	.44
855-R40-3001102	H	M4 X 11mm Hex SP, M/FM, 7.0A/F	.52	.48	.44
855-R40-3001202	H	M4 X 12mm Hex SP, M/FM, 7.0A/F	.54	.50	.46
855-R40-3001302	H	M4 X 13mm Hex SP, M/FM, 7.0A/F	.54	.50	.47
855-R40-3001402	H	M4 X 14mm Hex SP, M/FM, 7.0A/F	.56	.52	.49
855-R40-3001502	H	M4 X 15mm Hex SP, M/FM, 7.0A/F	.60	.56	.52
855-R40-3001602	H	M4 X 16mm Hex SP, M/FM, 7.0A/F	.60	.56	.52

HEX SPACERS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	50	100
Threaded-Brass / Nickel (cont.)					
855-R40-3001802	H	M4 X 18mm Hex SP, M/FM, 7.0A/F	.47	.44	.41
855-R40-3002002	H	M4 X 20mm Hex SP, M/FM, 7.0A/F	.52	.49	.45
855-R40-3002502	H	M4 X 25mm Hex SP, M/FM, 7.0A/F	.62	.58	.53
855-R40-3003002	H	M4 X 30mm Hex SP, M/FM, 7.0A/F	.67	.62	.58

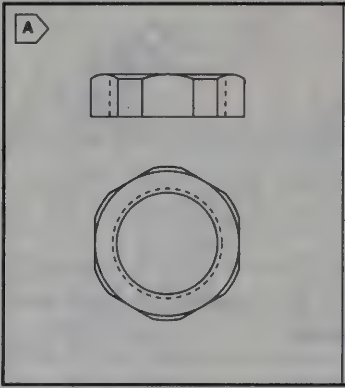
CIRCULAR SPACERS

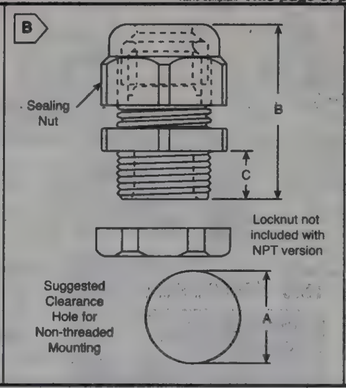
For quantities of 500 and up, call for quote.

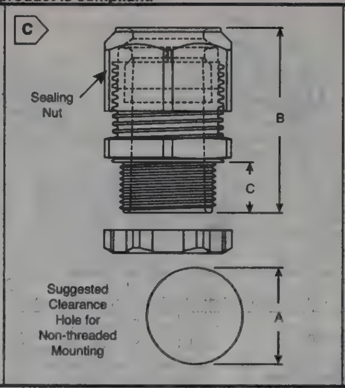
MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	50	100
Brass / Nickel					
855-R30-5000402	I	M3 X 4mm Circ Thread Spacer, 4.76 DIA	.19	.18	.17
855-R30-5000602	I	M3 X 6mm Circ Thread Spacer, 4.76 DIA	.22	.21	.18
855-R30-5000702	I	M3 X 7mm Circ Thread Spacer, 4.76 DIA	.24	.23	.21
855-R30-5000802	I	M3 X 8mm Circ Thread Spacer, 4.76 DIA	.27	.25	.24
855-R30-5000902	I	M3 X 9mm Circ Thread Spacer, 4.76 DIA	.27	.25	.24
855-R30-5001002	I	M3 X 10mm Circ Thread Spacer, 4.76 DIA	.27	.26	.23
855-R30-5001102	I	M3 X 11mm Circ Thread Spacer, 4.76 DIA	.27	.25	.24
855-R30-5001202	I	M3 X 12mm Circ Thread Spacer, 4.76 DIA	.27	.25	.23
855-R30-5001402	I	M3 X 14mm Circ Thread Spacer, 4.76 DIA	.30	.28	.26
855-R30-5001602	I	M3 X 16mm Circ Thread Spacer, 4.76 DIA	.32	.30	.27
855-R30-5001802	I	M3 X 18mm Circ Thread Spacer, 4.76 DIA	.32	.30	.28
855-R30-5002002	I	M3 X 20mm Circ Thread Spacer, 4.76 DIA	.38	.36	.32
855-R30-5002502	I	M3 X 25mm Circ Thread Spacer, 4.76 DIA	.46	.42	.40
855-R30-6010202	I	M3 X 2mm Circ Clearance Spacer, 4.75DIA	.30	.28	.25
855-R30-6010302	I	M3 X 3mm Circ Clearance Spacer, 4.75DIA	.30	.28	.25
855-R30-6010402	I	M3 X 4mm Circ Clearance Spacer, 4.75DIA	.30	.28	.25
855-R30-6010502	I	M3 X 5mm Circ Clearance Spacer, 4.75DIA	.29	.28	.26
855-R30-6010602	I	M3 X 6mm Circ Clearance Spacer, 4.75DIA	.30	.27	.26
855-R30-6010702	I	M3 X 7mm Circ Clearance Spacer, 4.75DIA	.32	.30	.27
855-R30-6010802	I	M3 X 8mm Circ Clearance Spacer, 4.75DIA	.33	.30	.28
855-R30-6010902	I	M3 X 9mm Circ Clearance Spacer, 4.75DIA	.33	.30	.29
855-R30-6011002	I	M3 X 10mm Circ Clearance Spacer, 4.75DIA	.35	.33	.30
855-R30-6011102	I	M3 X 11mm Circ Clearance Spacer, 4.75DIA	.35	.32	.31
855-R30-6011202	I	M3 X 12mm Circ Clearance Spacer, 4.75DIA	.35	.32	.31
855-R30-6011302	I	M3 X 13mm Circ Clearance Spacer, 4.75DIA	.38	.35	.32
855-R30-6011402	I	M3 X 14mm Circ Clearance Spacer, 4.75DIA	.38	.35	.32
855-R30-6011502	I	M3 X 15mm Circ Clearance Spacer, 4.75DIA	.38	.35	.33
855-R30-6011602	I	M3 X 16mm Circ Clearance Spacer, 4.75DIA	.40	.37	.36
855-R30-6011802	I	M3 X 18mm Circ Clearance Spacer, 4.75DIA	.43	.40	.37
855-R30-6012002	I	M3 X 20mm Circ Clearance Spacer, 4.75DIA	.48	.45	.42
855-R30-6012202	I	M3 X 22mm Circ Clearance Spacer, 4.75DIA	.56	.53	.49
855-R30-6012502	I	M3 X 25mm Circ Clearance Spacer, 4.75DIA	.55	.50	.47
855-R30-6013002	I	M3 X 30mm Circ Clearance Spacer, 4.75DIA	.62	.58	.53
855-R40-6000302	I	M4 X 3mm Circ Clearance Spacer, 6.35DIA	.36	.33	.31
855-R40-6000402	I	M4 X 4mm Circ Clearance Spacer, 6.35DIA	.36	.33	.31
855-R40-6000502	I	M4 X 5mm Circ Clearance Spacer, 6.35DIA	.35	.32	.30
855-R40-6000602	I	M4 X 6mm Circ Clearance Spacer, 6.35DIA	.37	.35	.32
855-R40-6000702	I	M4 X 7mm Circ Clearance Spacer, 6.35DIA	.38	.35	.33
855-R40-6000802	I	M4 X 8mm Circ Clearance Spacer, 6.35DIA	.41	.38	.34
855-R40-6000902	I	M4 X 9mm Circ Clearance Spacer, 6.35DIA	.40	.38	.35
855-R40-6001002	I	M4 X 10mm Circ Clearance Spacer, 6.35DIA	.41	.38	.34
855-R40-6001102	I	M4 X 11mm Circ Clearance Spacer, 6.35DIA	.40	.37	.35
855-R40-6001202	I	M4 X 12mm Circ Clearance Spacer, 6.35DIA	.40	.38	.35
855-R40-6001302	I	M4 X 13mm Circ Clearance Spacer, 6.35DIA	.42	.41	.38
855-R40-6001402	I	M4 X 14mm Circ Clearance Spacer, 6.35DIA	.46	.43	.40
855-R40-6001502	I	M4 X 15mm Circ Clearance Spacer, 6.35DIA	.49	.45	.42
855-R40-6001602	I	M4 X 16mm Circ Clearance Spacer, 6.35DIA	.54	.51	.46
855-R40-6001802	I	M4 X 18mm Circ Clearance Spacer, 6.35DIA	.65	.60	.55
855-R40-6002002	I	M4 X 20mm Circ Clearance Spacer, 6.35DIA	.73	.68	.63
855-R40-6002502	I	M4 X 25mm Circ Clearance Spacer, 6.35DIA	.90	.83	.76
855-R40-6003002	I	M4 X 30mm Circ Clearance Spacer, 6.35DIA	1.03	.95	.88
Nylon 66					
855-R30-6700394	I	M3 X 3mm Circ Clearance Spacer, 05DIA	.16	.15	.14
855-R30-6700494	I	M3 X 4mm Circ Clearance Spacer, 05DIA	.27	.26	.23
855-R30-6700594	I	M3 X 5mm Circ Clearance Spacer, 05DIA	.16	.15	.14
855-R30-6700694	I	M3 X 6mm Circ Clearance Spacer, 05DIA	.27	.25	.23
855-R30-6700794	I	M3 X 7mm Circ Clearance Spacer, 05DIA	.30	.28	.25
855-R30-6700894	I	M3 X 8mm Circ Clearance Spacer, 05DIA	.16	.15	.14
855-R30-6700994	I	M3 X 9mm Circ Clearance Spacer, 05DIA	.30	.28	.26
855-R30-6701094	I	M3 X 10mm Circ Clearance Spacer, 05DIA	.19	.17	.16
855-R30-6701194	I	M3 X 11mm Circ Clearance Spacer, 05DIA	.33	.30	.28
855-R30-6701294	I	M3 X 12mm Circ Clearance Spacer, 05DIA	.33	.30	.28
855-R30-6701394	I	M3 X 13mm Circ Clearance Spacer, 05DIA	.36	.33	.30
855-R30-6701494	I	M3 X 14mm Circ Clearance Spacer, 05DIA	.35	.33	.31
855-R30-6701594	I	M3 X 15mm Circ Clearance Spacer, 05DIA	.22	.21	.18
855-R30-6701694	I	M3 X 16mm Circ Clearance Spacer, 05DIA	.38	.36	.32
855-R30-6702094	I	M3 X 20mm Circ Clearance Spacer, 05DIA	.40	.37	.35
855-R30-6702594	I	M3 X 25mm Circ Clearance Spacer, 05DIA	.41	.38	.34

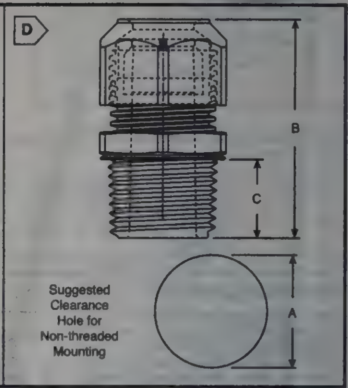
HEYCO Liquid Tight Cordgrips

RoHS Compliant **This page of product is compliant.**




B
Sealing Nut
B
C
Locknut not included with NPT version
Suggested Clearance Hole for Non-threaded Mounting
A





HEYCO LIQUID TIGHT STRAIGHT-THRU CORDGRIPS

Cordgrips are for flexible cords.
Install in either clearance or threaded holes.

Nylon Locknuts, NPT Thread

For quantities of 250 and up, call for quote.

Black MOUSER STOCK NO.	Gray MOUSER STOCK NO.	Fig.	Description	Price Each 1	10	50	100
836-8461	836-8462	A	NLN 3/8 NPT	.23	.17	.15	.13
836-8463	836-8464	A	NLN 1/2 NPT	.23	.17	.15	.13
836-8465	836-8466	A	NLN 3/4 NPT	.31	.25	.21	.19
836-8467	836-8468	A	NLN 1 NPT	.72	.58	.48	.41

Cordgrips for PG Hubs

RoHS Compliant E-51579 E-51579 93876C

• Locknuts are Included.

For quantities of 250 and up, call for quote.

Cable Diameter Range (In.)		Black		Gray				Dimensions (In.)			Price Each			
Min.	Max.	MOUSER STOCK NO.	Heyco Part No.	MOUSER STOCK NO.	Heyco Part No.	Fig.	Description	A	B	C	1	10	50	100
0.064	0.210	836-3444	3444	836-3445	3445	B	RLTF 7	0.492	1.170	0.330	.85	.67	.56	.48
0.114	0.250	836-3207	3207	836-3208	3208	B	LTF 7	0.492	1.170	0.330	.85	.67	.56	.48
0.069	0.187	836-3446	3446	836-3447	3447	B	RLTF 9	0.599	1.300	0.340	.89	.70	.58	.50
0.181	0.312	836-3210	3210	836-3211	3211	B	LTF 9	0.599	1.300	0.340	.89	.70	.58	.50
0.069	0.250	836-3448	3448	836-3449	3449	B	RLTF 11	0.733	1.460	0.390	1.07	.85	.70	.61
0.230	0.395	836-3213	3213	836-3214	3214	B	LTF 11	0.733	1.460	0.390	1.07	.85	.70	.61
0.170	0.450	836-3216	3216	836-3217	3217	B	LTF 13.5	0.804	1.530	0.410	1.20	.95	.78	.67
0.230	0.530	836-3219	3219	836-3220	3220	B	LTF 16	0.886	1.660	0.450	1.35	1.07	.88	.77
0.250	0.490	836-3454	3454	836-3455	3455	B	RLTF 21	1.115	1.870	0.520	1.89	1.49	1.24	1.07
0.450	0.705	836-3222	3222	836-3223	3223	B	LTF 21	1.115	1.870	0.520	1.89	1.49	1.24	1.07
0.590	0.990	836-3225	3225	836-3226	3226	B	LTF 29	1.470	2.230	0.590	3.36	2.65	2.19	1.90

Cordgrips for NPT Hubs

RoHS Compliant E-51579 E-51579 93876C

• Locknuts are not Included. Black Gray

For quantities of 250 and up, call for quote.

0.069	0.187	836-3458	3458	836-3459	3459	B	RLTF 3/8	0.670	1.490	0.530	.80	.63	.53	.45
0.181	0.312	836-3228	3228	836-3229	3229	B	LTF 3/8	0.670	1.490	0.530	.80	.63	.53	.45
0.170	0.470	836-3231	3231	836-3232	3232	B	LTF 1/2	0.875	1.720	0.620	1.07	.85	.70	.61
0.230	0.546	836-3200	3200	836-3201	3201	B	LLTF 1/2	0.875	1.830	0.620	1.22	.97	.80	.69
0.450	0.709	836-3234	3234	836-3235	3235	B	LTF 3/4	1.068	1.970	0.630	1.70	1.34	1.11	.97
0.250	0.485	836-3460	3460	836-3461	3461	B	RLTF 3/4	1.068	1.970	0.630	1.70	1.34	1.11	.97
0.590	1.000	836-8437	8437	836-8438	8438	B	LTF 1	1.375	2.420	0.750	3.02	2.38	1.97	1.71

"HEYCO TITE" LIQUID TIGHT STRAIGHT-THRU CORDGRIPS

"Ratchet design" of sealing nut assembly provides superior anti-vibration protection and ensures a firm grip on the cable. Integral "Sealing Ring" ensures a superior seal at mounting location every time.

Cordgrips for PG Hubs

RoHS Compliant E-51579 93876C

• Locknuts are Included. Black Gray

For quantities of 250 and up, call for quote.

0.065	0.220	836-M3444	M3444	836-M3445	M3445	C	RLTCG 7	0.492	1.160	0.320	.96	.87	.80	.72
0.115	0.250	836-M3207	M3207	836-M3208	M3208	C	LTCG 7	0.492	1.160	0.320	.96	.87	.80	.72
0.065	0.187	836-M3446	M3446	836-M3447	M3447	C	RLTCG 9	0.599	1.250	0.320	1.02	.92	.83	.76
0.105	0.312	836-M3210	M3210	836-M3211	M3211	C	LTCG 9	0.599	1.250	0.320	1.02	.92	.83	.76
0.069	0.250	836-M3448	M3448	836-M3449	M3449	C	RLTCG 11	0.733	1.480	0.380	1.22	1.11	1.02	.92
0.230	0.395	836-M3213	M3213	836-M3214	M3214	C	LTCG 11	0.733	1.480	0.380	1.22	1.11	1.02	.92
0.095	0.260	836-M4500	M4500	836-M4501	M4501	C	RLTCG 13.5	0.804	1.500	0.410	1.34	1.22	1.11	1.02
0.170	0.450	836-M3216	M3216	836-M3217	M3217	C	LTCG 13.5	0.804	1.500	0.410	1.34	1.22	1.11	1.02
0.180	0.440	836-M4502	M4502	836-M4503	M4503	C	RLTCG 16	0.886	1.680	0.440	1.54	1.40	1.27	1.16
0.260	0.546	836-M3219	M3219	836-M3220	M3220	C	LTCG 16	0.886	1.680	0.440	1.54	1.40	1.27	1.16
0.250	0.485	836-M3454	M3454	836-M3455	M3455	C	RLTCG 21	1.115	1.890	0.520	2.14	1.94	1.77	1.61
0.485	0.409	836-M3222	M3222	836-M3223	M3223	C	LTCG 21	1.115	1.890	0.520	2.14	1.94	1.77	1.61
0.490	0.787	836-M4504	M4504	836-M4505	M4505	C	RLTCG 29	1.470	2.230	0.580	3.81	3.47	3.15	2.86
0.590	1.000	836-M3225	M3225	836-M3226	M3226	C	LTCG 29	1.470	2.230	0.580	3.81	3.47	3.15	2.86

Cordgrips for NPT Hubs

RoHS Compliant E-51579 93876C

• Locknuts are not Included. Black Gray

For quantities of 250 and up, call for quote.

0.065	0.230	836-M3458	M3458	836-M3459	M3459	D	RLTCG 3/8	0.680	1.410	0.490	.91	.82	.75	.68
0.105	0.315	836-M3228	M3228	836-M3229	M3229	D	LTCG 3/8	0.680	1.410	0.490	.91	.82	.75	.68
0.095	0.260	836-M4518	M4518	836-M4519	M4519	D	RLTCG 1/2	0.875	1.700	0.610	1.22	1.11	1.02	.92
0.170	0.450	836-M3231	M3231	836-M3232	M3232	D	LTCG 1/2	0.875	1.700	0.610	1.22	1.11	1.02	.92
0.256	0.485	836-M3460	M3460	836-M3461	M3461	D	RLTCG 3/4	1.040	2.000	0.620	1.92	1.75	1.59	1.45
0.485	0.709	836-M3234	M3234	836-M3235	M3235	D	LTCG 3/4	1.040	2.000	0.620	1.92	1.75	1.59	1.45
0.490	0.787	836-M8439	M8439	836-M8440	M8440	D	RLTCG 1	1.326	2.410	0.760	3.42	3.11	2.83	2.57
0.590	1.000	836-M8437	M8437	836-M8438	M8438	D	LTCG 1	1.326	2.410	0.760	3.42	3.11	2.83	2.57

HEYCO Strain Reliefs

RoHS Compliant **This page of product is compliant.**

SELF-LOCKING STRAIN RELIEFS

RoHS Compliant

For quantities of 2000 and up, call for quote.

For Flat Cables

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1829	1829	A	SPT-1, SPT-2, HPN	.453 x .512	0.099	ST-100N	.20	.08	.07	.06
836-1834	1834	A	SPT-2, SPT-3	.689 x .689	0.157	ST-200N	.26	.13	.11	.10

For Round Cables

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1832	1832	B	SV, SVT, HPD	.453 x .512	0.099	ST-101N	.20	.08	.07	.06
836-1836	1836	B	SJ, SJO, SJT	.689 x .689	0.157	ST-201N	.26	.13	.11	.10
836-1848	1848	B	SJT, STO, SEOW-A	.689 x .689	0.157	ST-301N	.26	.13	.11	.10

For Round and Flat Cables

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1843	1843	C	Round, Flat SPT-3	1.142 x 1.142	0.032	LSR1939-300	.52	.48	.43	.39

For Round Cables (U-Shape Chassis Slot)

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1839	1839	D	SV, SVT, HPD	.453 x .512	0.062	ST-101A	.20	.08	.07	.06

LAY-IN STRAIN RELIEF FOR ROUND, FLAT, OR MULTIPLE CABLES UP TO .600"

RoHS Compliant

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.		Description	Price Each			
				Hole Size	Max. Thickness		1	100	500	1000
836-1266	1266	E	--	.875 x .875	0.100	SR 8R-200	.75	.68	.62	.55

STRAIGHT-THRU STRAIN RELIEFS

RoHS Compliant

For quantities of 2000 and up, call for quote.

For Round Cables

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.			Description	Price Each			
				Mounting Hole Dia. (A)	To Prevent Rotation (B)	Max. Thickness		1	100	500	1000
836-1157	1157	F	SV, SVT	0.500	0.450	0.062	SR 5MN-3	.14	.04	.03	.03
836-1150	1150	F	SV, SVT, HPD	.500 x .515	0.450	0.062	SR 5N-4	.13	.04	.03	.03
836-1147	1147	F	SV, SVT, HPD	.500 x .515	0.450	0.100	SR 5P-4	.13	.04	.03	.03
836-1184	1184	F	SJ, SJO, SJT	0.500	0.465	0.090	SR 6W-1	.13	.04	.03	.03
836-1217	1217	F	SJ, SJO, SJT	0.625	0.550	0.062	SR 6N-4	.16	.06	.05	.05
836-1210	1210	F	SJ, SJO, SJT	0.625	0.550	0.125	SR 6P-4	.16	.06	.05	.05
836-1200	1200	F	SJ, SJO, SJT	0.625	0.550	0.062	SR 6N3-4	.16	.06	.05	.05
836-1207	1207	F	SJ, SJO, SJT	0.625	0.550	0.125	SR 6P3-4	.16	.06	.05	.05
836-1214	1214	F	SJ, SJO, SJT	0.500	0.550	0.156	SR 6L-1	.17	.06	.05	.05
836-1240	1240	F	SJ, SJO, SJT	0.875	0.770	0.125	SR 7K-2	.22	.12	.10	.08
836-1244	1244	F	SJT, S, ST	0.750	0.660	0.062	SR 7N-2	.23	.11	.10	.08
836-1237	1237	F	SJT, S, ST	0.750	0.660	0.125	SR 7P-2	.23	.11	.10	.08
836-1247	1247	F	SJT, S, ST	0.875	0.770	0.125	SR 2W-2	.22	.12	.10	.08
836-1250	1250	F	SJT, S, ST	0.875	0.770	0.200	SR 7L-2	.23	.13	.11	.09
836-1497	1497	F	SJT	0.875	0.840	0.125	SR 31-2	.22	.12	.10	.08
836-1254	1254	F	S, ST	0.875	0.840	0.062	SR 8N-2	.22	.15	.14	.13
836-1260	1260	F	S, ST	0.875	0.840	0.125	SR 8P-2	.22	.12	.10	.08
836-1287	1287	F	S, ST, SO	1.093	1.000	0.281	SR 9P-2	.24	.22	.19	.17
For Flat Cables							For quantities of 2000 and up, call for quote.				
836-1174	1174	G	HPN, SPT-2	0.562	0.530	0.125	SR 5W-1	.19	.05	.04	.04
836-1484	1484	G	SPT-2, SPT-3	0.560	0.730	0.125	SR 30-1	.17	.06	.05	.05
836-1517	1517	G	SPT-3	0.875	0.840	0.125	SR 34-2	.22	.12	.10	.08
836-1497	1497	G	SPT-3	0.875	0.840	0.125	SR 31-2	.22	.12	.10	.08
For Flat Cables With Flex-Protecting Internal Radii							For quantities of 2000 and up, call for quote.				
836-1120	1120	G	SPT-1, HSN	0.500	0.465	0.062	SR 4N-4	.11	.03	.03	.02
836-1117	1117	G	SPT-1, HSN	0.500	0.465	0.100	SR 4K-4	.11	.03	.03	.02
836-1127	1127	G	SPT-1,SPT-2,HSN	0.500	0.465	0.156	SR 4L-4	.13	.04	.03	.03
836-1114	1114	G	SPT-1,SPT-2,HSN	0.500	0.460	0.095	SR 4K-1	.11	.03	.03	.02
836-1170	1170	G	SPT-2, SPT-3	0.562	0.530	0.062	SR 5KN-4	.18	.05	.04	.04
836-1167	1167	G	SPT-2, SPT-3	0.562	0.530	0.125	SR 5K-4	.18	.05	.04	.04
836-1160	1160	G	SPT-2	0.625	0.550	0.062	SR 6N4-4	.17	.06	.05	.05
836-1163	1163	G	SPT-2	0.625	0.550	0.125	SR 6P4-4	.17	.06	.05	.05

RIGHT ANGLE STRAIN RELIEFS

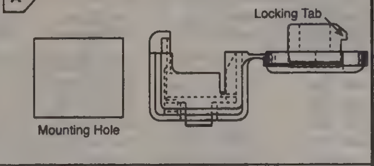
RoHS Compliant

For quantities of 2000 and up, call for quote.

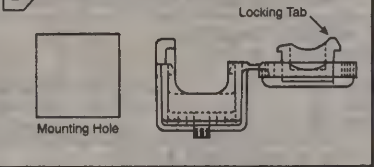
For Flat Cables

MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.			Description	Price Each			
				Mounting Hole Dia. (A)	To Prevent Rotation (B)	Max. Thickness		1	100	500	1000
836-1361	1361	H	SPT-2, HSN	0.500	0.450	0.040	SR 14A-1	.22	.09	.08	.06
836-1364	1364	H	SPT-2, HSN	0.500	0.450	0.100	SR 14-1	.22	.09	.08	.06
836-1384	1384	H	SPT-2,SPT-3, HSN	0.562	0.525	0.125	SR 16-1	.23	.15	.14	.13
836-1424	1424	H	SPT-2, SPT-3	0.560	0.730	0.080	SR 20-1	.24	.23	.21	.18
836-1464	1464	H	SPT-3	0.875	0.840	0.125	SR 24-1	.30	.27	.25	.23
For Round Cables							For quantities of 2000 and up, call for quote.				
836-1374	1374	I	SV, SVT, HPD	0.500	0.450	0.100	SR 15-1	.22	.09	.08	.06
836-1320	1320	I	SJ, SJO, SJT	0.625	0.550	0.125	SR 10-2	.23	.15	.14	.13
836-1327	1327	I	SJ, SJO, SJT	0.625	0.550	0.125	SR 11-2	.23	.15	.14	.13
836-1397	1397	I	SJ, S, ST	0.750	0.660	0.125	SR 17-2	.43	.39	.35	.31

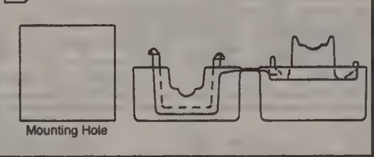
A



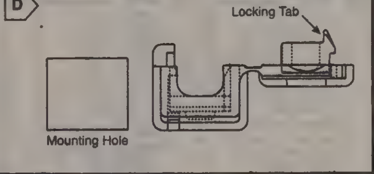
B



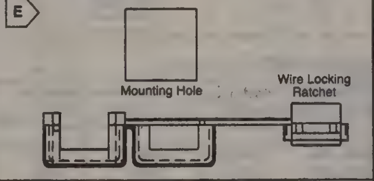
C



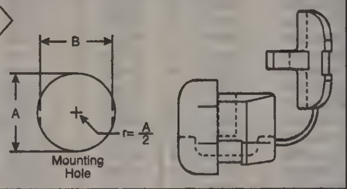
D



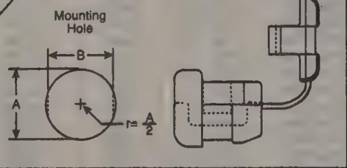
E



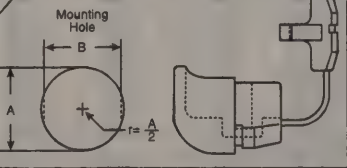
F



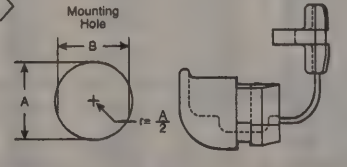
G



H



I



HEYCO Strain Reliefs, Bushings, and Hole Plugs

HEYCO

PIGTAIL STRAIN RELIEFS FOR ROUND CABLES

RoHS Compliant **This page of product is compliant.**

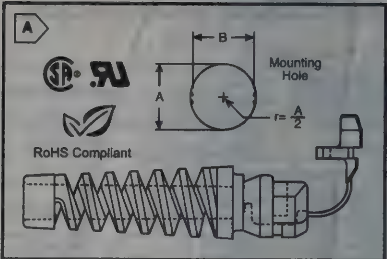
For quantities of 2000 and up, call for quote.

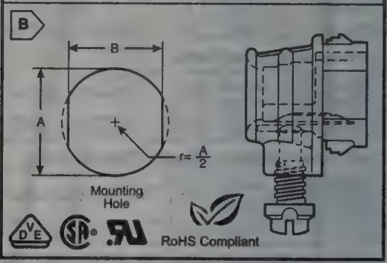
MOUSER STOCK NO.	Heyco Part No.	Fig.	UL Type Designation	Panel Dimensions: In.			Description	Price Each			
				Mounting Hole Dia. (A)	To Prevent Rotation (B)	Max. Thickness		1	100	500	1000
836-1590	1590	A	SV,SVT,HPD	0.500	0.450	0.062	SR 5N-7	.27	.25	.23	.21
836-1593	1593	A	SV,SVT,HPD	0.500	0.450	0.125	SR 5P-7	.27	.25	.23	.21
836-1602	1602	A	SJ,SJO,SJT	0.625	0.550	0.125	SR 6P-7	.81	.73	.66	.59
836-1599	1599	A	SJ,SJO,SJT	0.625	0.550	0.062	SR 6N3-7	.81	.73	.66	.59
836-1605	1605	A	SJ,SJO,SJT	0.625	0.550	0.125	SR 6P3-7	.81	.73	.66	.59
836-1611	1611	A	SJ,S,ST	0.750	0.660	0.125	SR 7P-7	.81	.73	.66	.59

STRAIN RELIEFS WITH CAPTIVE SCREW FOR ROUND OR FLAT CABLES

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	Cable Size (In.)	Panel Dimensions: In.			Description	Price Each			
				Mounting Hole Dia. (A)	To Prevent Rotation (B)	Max. Thickness		1	100	500	1000
836-1724	1724	B	up to .400 (round or flat)	0.875	0.770	0.125	USR-40	.52	.48	.43	.39
836-1726	1726	B	up to .250 x .400 (flat)	0.875	0.770	0.125	USR-401	.52	.48	.43	.39
836-1730	1730	B	up to .400 (round)	0.875	0.770	0.125	USR-40	.63	.57	.52	.46

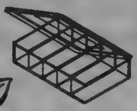




STRAIN RELIEF LABKIT

Perfect for product design departments, experimental labs, and for all prototype work.
Approximately 150 bushings in various styles and sizes.

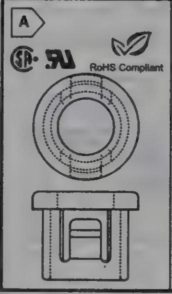
MOUSER STOCK NO.	Heyco Part No.	Price Each
836-1999	1999	26.24

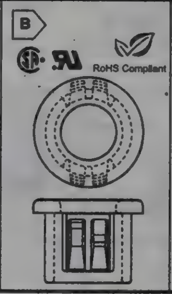


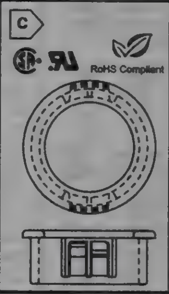
RoHS Compliant

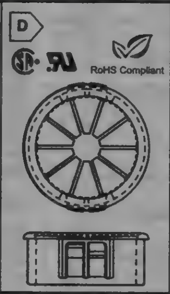
STRAIN RELIEF ASSEMBLY TOOLS

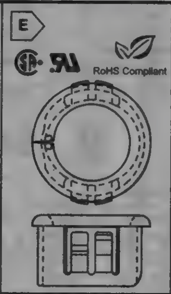
MOUSER STOCK NO.	Heyco Part No.	Price Each
For Hole Sizes Up to 7/8"		
836-0022	0022	45.80
For Hole Sizes 3/4" and Larger		
836-0030	0030	89.52

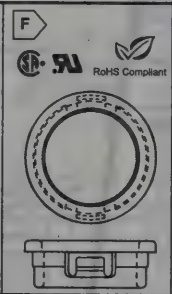


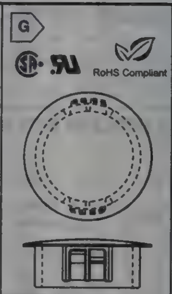


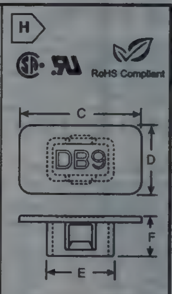












BUSHINGS

• Color: Black

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	Panel Dimensions: In.		Description	Price Each			
			Hole Size	Max. Thickness		1	100	500	1000
Snap Bushings									
836-2000	2000	A	0.250	0.062	SB 250-2	.13	.03	.03	.02
836-2010	2010	A	0.312	0.062	SB 312-3	.13	.03	.03	.02
836-2020	2020	B	0.375	0.125	SB 375-3	.13	.03	.03	.02
836-2030	2030	B	0.375	0.125	SB 375-4	.13	.03	.03	.02
836-2043	2043	B	0.437	0.125	SB 437-5	.13	.03	.03	.02
836-2049	2049	B	0.500	0.125	SB 500-5	.14	.04	.03	.03
836-2053	2053	B	0.500	0.125	SB 500-6	.14	.04	.03	.03
836-2066	2066	B	0.562	0.125	SB 562-7	.16	.04	.03	.03
836-2073	2073	B	0.625	0.125	SB 625-8	.16	.04	.03	.03
836-2830	2830	A	0.625	0.280	SB 625-500	.18	.06	.05	.05
836-2086	2086	B	0.687	0.125	SB 687-9	.16	.06	.05	.05
836-2096	2096	B	0.750	0.125	SB 750-10	.16	.06	.05	.05
836-2840	2840	A	0.750	0.250	SB 750-625	.19	.09	.08	.06
836-2103	2103	C	0.812	0.125	SB 812-10	.18	.06	.05	.05
836-2120	2120	C	0.875	0.125	SB 875-9	.18	.06	.05	.05
836-2123	2123	C	0.875	0.125	SB 875-10	.18	.06	.05	.05
836-2126	2126	C	0.875	0.125	SB 875-11	.18	.06	.05	.05
836-2140	2140	C	1.000	0.125	SB 1000-12	.21	.08	.06	.06
836-2160	2160	C	1.125	0.125	SB 1093-13	.23	.09	.08	.06
836-2163	2163	C	1.125	0.125	SB 1093-14	.23	.09	.08	.06
836-2166	2166	C	1.125	0.125	SB 1093-15	.23	.09	.08	.06
836-2182	2182	C	1.870	0.125	SB 1187-15	.24	.10	.09	.07
836-2198	2198	C	1.250	0.125	SB 1250-15	.24	.10	.09	.07
836-2201	2201	C	1.250	0.125	SB 1250-16	.24	.10	.09	.07
836-2210	2210	C	1.375	0.125	SB 1375-16	.23	.12	.10	.08
836-2236	2236	C	1.500	0.125	SB 1500-18	.25	.13	.11	.09
836-2240	2240	C	1.500	0.125	SB 1500-21	.25	.13	.11	.09
836-2300	2300	C	1.750	0.125	SB 1750-22	.25	.16	.15	.14
836-2400	2400	C	2.000	0.125	SB 2000-26	.25	.16	.15	.14
836-2406	2406	C	2.000	0.125	SB 2000-28	.25	.16	.15	.14
836-2417	2417	C	2.250	0.250	SB 2.25-29	.44	.40	.36	.32
836-2420	2420	C	2.250	0.250	SB 2.5-31	.57	.52	.46	.42
836-2461	2461	C	3.000	0.250	SB 3.0-39	.92	.83	.75	.67
836-2470	2470	C	3.500	0.250	SB 3.5-47	1.13	1.03	.93	.83
836-2479	2479	C	4.000	0.250	SB 4.0-55	1.34	1.22	1.10	.99
Universal Bushings									
836-2077	2077	D	0.625	0.125	UB-625	.18	.05	.04	.04
836-2089	2089	D	0.750	0.125	UB-750	.19	.08	.06	.06
836-2106	2106	D	0.812	0.125	UB-812	.22	.08	.06	.06
836-2119	2119	D	0.875	0.125	UB-875	.22	.08	.06	.06
836-2137	2137	D	1.000	0.125	UB-1000	.22	.10	.09	.07
836-2157	2157	D	1.093	0.125	UB-1093	.23	.10	.09	.07
836-2184	2184	D	1.375	0.125	UB-1375	.27	.14	.12	.10
Open/Closed Bushings									
836-2865	2865	E	0.375	0.125	OCB-375	.17	.05	.04	.04
836-2871	2871	E	0.500	0.125	OCB-500	.18	.05	.04	.04
836-2869	2869	E	0.562	0.125	OCB-562	.16	.06	.05	.05
836-2872	2872	E	0.625	0.125	OCB-625	.16	.06	.05	.05

BUSHINGS (CONT.)

• Color: Black

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	Panel Dimensions: In.		Description	Price Each			
			Hole Size	Max. Thickness		1	100	500	1000
Open/Closed Bushings (Cont.)									
836-2873	2873	E	0.750	0.125	OCB-750	.22	.09	.08	.06
836-2874	2874	E	0.875	0.125	OCB-875	.21	.10	.09	.07
836-2878	2878	E	1.000	0.125	OCB-1000	.24	.11	.10	.08
836-2879	2879	E	1.093	0.125	OCB-1093	.26	.14	.12	.10
836-2881	2881	E	1.250	0.125	OCB-1250	.25	.17	.15	.14
836-2882	2882	E	1.375	0.125	OCB-1375	.22	.19	.17	.15
836-2883	2883	E	1.500	0.125	OCB-1500	.24	.22	.19	.17
Shorty Bushings									
836-2800	2800	F	0.187	0.062	B 187-125	.13	.04	.03	.03
836-2810	2810	F	0.312	0.062	B 312-250	.13	.04	.03	.03
836-2803	2803	F	0.375	0.062	B 375-250	.13	.04	.03	.03
836-2820	2820	F	0.500	0.062	B 500-375	.14	.04	.03	.03
836-2824	2824	F	0.531	0.062	B 531-406	.16	.04	.03	.03
836-2827	2827	F	0.625	0.062	B 625-500	.16	.04	.03	.03
836-2836	2836	F	0.750	0.062	B 750-625	.17	.06	.05	.05
836-2850	2850	F	0.875	0.062	B 875-750	.18	.06	.05	.05

DOME PLUGS

• Color: Black

For quantities of 2000 and up, call for quote.

836-2590	2590	G	0.187	0.062	DP-187	.13	.03	.03	.02
836-2603	2603	G	0.250	0.062	DP-250	.13	.03	.03	.02
836-2613	2613	G	0.312	0.062	DP-312	.13	.03	.03	.02
836-2617	2617	G	0.375	0.125	DP-375	.13	.03	.03	.02
836-2633	2633	G	0.437	0.125	DP-437	.13	.03	.03	.02
836-2643	2643	G	0.500	0.125	DP-500	.14	.04	.03	.03
836-2653	2653	G	0.562	0.125	DP-562	.16	.04	.03	.03
836-2663	2663	G	0.625	0.125	DP-625	.16	.04	.03	.03
836-2673	2673	G	0.687	0.125	DP-687	.16	.06	.05	.05
836-2683	2683	G	0.750	0.125	DP-750	.16	.06	.05	.05
836-2693	2693	G	0.812	0.125	DP-812	.18	.06	.05	.05
836-2703	2703	G	0.875	0.125	DP-875	.18	.06	.05	.05
836-2713	2713	G	1.000	0.125	DP-1000	.21	.08	.06	.06
836-2723	2723	G	1.093	0.125	DP-1093	.23	.09	.08	.06
836-2733	2733	G	1.187	0.125	DP-1187	.24	.10	.09	.07
836-2740	2740	G	1.250	0.125	DP-1250	.24	.10	.09	.07
836-2753	2753	G	1.375	0.125	DP-1375	.23	.12	.10	.08
836-2763	2763	G	1.500	0.125	DP-1500	.25	.13	.11	.09
836-2773	2773	G	1.750	0.125	DP-1750	.25	.16	.15	.14

NYLON D-SUB MOUNTING HOLE PLUGS

NEW FROM SUPPLIER

• Maximum Panel Thickness: 0.17"

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Heyco Part No.	Fig.	Dimensions: In.					Description	Price Each			
			Hole Size	C	D	E	F		1	100	500	1000
836-2966	2966	H	0.81	1.25	.70	.69	.41	POP-DB9	.36	.34	.32	.30
836-2968	2968	H	1.13	1.57	.70	1.05	.41	POP-DB15	.61	.57	.53	.49
836-2970	2970	H	1.67	2.12	.70	1.55	.41	POP-DB25	.72	.67	.62	.57
836-2972	2972	H	2.33	2.77	.70	2.23	.41	POP-DB37	.83	.77	.72	.66

HEYCO Cord Grips, Strain Reliefs & Knock-Out Seals

HEYCO

RoHS Compliant **This page of product is compliant.**

"TITE" LIQUID TIGHT STRAIGHT-THRU CORDGRIPS

Specifications:
- Acme threads on body prevent skipping and speed installation.
- Molded from polyamide 6/6 nylon
- IP68 protection
- Easily removed

Applications:
- Motor Control
- Test Equipment
- HVAC Pumps
- Power Distribution Equipment
- Injection Molding Machines

Large Nylon Locknuts, NPT Thread

For quantities of 50 and up, call for quote.

Black MOUSER STOCK NO.	Gray MOUSER STOCK NO.	Description	Price Each	
			1	10
836-M9150	836-M9151	NLN 1-1/2 NPT	3.37	2.63
836-M9156	836-M9157	NLN 2 NPT	3.75	2.93

For quantities of 100 and up, call for quote.

Black MOUSER STOCK NO.	Heyco Part No.	Gray MOUSER STOCK NO.	Heyco Part No.	Fig.	Cable Dia. Range: in.		Description	Dimensions: in.			Price Each		
					Min.	Max.		A	B	C	1	10	50
For NPT Hubs													
836-M3317	M3317	836-M3318	M3318	A	1.23	1.56	LTCG NPT 1-1/2	1.92	2.81	0.76	18.92	14.93	12.37
836-M3319	M3319	836-M3320	M3320	A	1.00	1.24	RLTCG NPT 1-1/2	1.92	2.81	0.76	18.92	14.93	12.37
836-M3321	M3321	836-M3322	M3322	A	1.45	1.56	LTCG NPT 2	2.395	2.92	0.79	20.98	16.55	13.72
836-M3323	M3323	836-M3324	M3324	A	1.16	1.35	RLTCG NPT 2	2.395	2.92	0.79	20.98	16.55	13.72
For PG Hubs													
836-M3212	M3212	836-M3209	M3209	B	1.23	1.56	LTCG PG-42	2.13	2.50	0.45	20.99	16.57	13.73
836-M3218	M3218	836-M3215	M3215	B	1.00	1.24	RLTCG PG-42	2.13	2.50	0.45	20.99	16.57	13.73
836-M3281	M3281	836-M3282	M3282	B	1.45	1.56	LTCG PG-48	2.34	2.63	0.49	23.29	18.37	15.23
836-M3283	M3283	836-M3284	M3284	B	1.16	1.35	RLTCG PG-48	2.34	2.63	0.49	23.29	18.37	15.23
For Metric Hubs													
836-M3300	M3300	836-M3301	M3301	C	1.23	1.56	LTCG M50	1.97	2.50	0.45	20.99	16.57	13.73
836-M3319	M3319	836-M3320	M3320	C	1.00	1.24	RLTCG M50	1.97	2.50	0.45	18.92	14.93	12.37
836-M3304	M3304	836-M3305	M3305	C	1.45	1.56	LTCG M63	2.48	2.62	0.49	23.29	18.37	15.23
836-M3306	M3306	836-M3307	M3307	C	1.16	1.35	RLTCG M63	2.48	2.62	0.49	23.29	18.37	15.23

RDD ROUND WIRE LOCKITS™

Installs with fingertip pressure into an easily punched standard round or Double "D" strain relief hole.
- 94V-2 flammability rating
- 6/6 Nylon material

For quantities of 500 and up, call for quote.

Panel Dimensions: in.		Fig.	UL Type Designation	Description	Black MOUSER STOCK NO.	Heyco Part No.	Price Each		White MOUSER STOCK NO.	Heyco Part No.	Price Each	
Hole Size	Max. Thickness						1	100			1	100
0.625	0.099	D	AWM, SJTO, SJ	RDD 101-A	836-1870	1870	.08	.06	836-1871	1871	.10	.07
0.625	0.099	D	SV, SVT	RDD 101	836-1852	1852	.08	.06	836-1853	1853	.10	.07
0.875	0.14	D	SJTO, SEOW	RDD 201-2	836-1855	1855	.10	.07	836-1856	1856	.12	.09
0.875	0.157	D	SJTO, SEOW	RDD 201	836-1857	1857	.10	.07	836-1858	1858	.12	.09
0.875	0.14	D	SJ, SJO	RDD 301-2	836-1859	1859	.11	.08	836-1860	1860	.14	.10
0.875	0.157	D	SJ, SJO	RDD 301	836-1861	1861	.11	.08	836-1862	1862	.14	.10
0.875	0.157	D	SJTO, SEOW	RDD 401	836-1865	1865	.11	.08	836-1866	1866	.14	.10
1.109	0.187	D	S, SJT	RDD 501	836-1868	1868	.12	.09	836-1869	1869	.15	.11

RDD THIN PANEL SPECIALTY ROUND WIRE LOCKITS™

Installs with fingertip pressure into an easily punched standard round or Double "D" strain relief hole.
- 94V-2 flammability rating
- 6/6 Nylon material

For quantities of 500 and up, call for quote.

Panel Dimensions: in.		Fig.	UL Type Designation	Description	Black MOUSER STOCK NO.	Heyco Part No.	Price Each		White MOUSER STOCK NO.	Heyco Part No.	Price Each	
Hole Size	Max. Thickness						1	100			1	100
0.625	0.062	E	SJT, SJO	RDD 6N-2	836-1800	1800	.12	.09	836-1801	1801	.15	.11

RDD FLAT WIRE LOCKITS™

Installs with fingertip pressure into an easily punched standard round or Double "D" strain relief hole.
- 94V-2 flammability rating
- 6/6 Nylon material

For quantities of 500 and up, call for quote.

Panel Dimensions: in.		Fig.	UL Type Designation	Description	Black MOUSER STOCK NO.	Heyco Part No.	Price Each		White MOUSER STOCK NO.	Heyco Part No.	Price Each	
Hole Size	Max. Thickness						1	100			1	100
0.625	0.099	F	SPT-1	RDD 100A	836-1872	1872	.08	.06	836-1873	1873	.10	.07
0.625	0.099	F	SPT-2, HPN	RDD 100	836-1874	1874	.08	.06	836-1875	1875	.10	.07
0.875	0.157	F	HPN, SPT-2, SPT-3	RDD 200	836-1878	1878	.10	.07	836-1879	1879	.12	.09
0.875	0.140	F	HPN, SPT-2, SPT-3	RDD 200-2	836-1876	1876	.10	.07	836-1877	1877	.12	.09

LIQUID TIGHT KNOCK-OUT SEALS

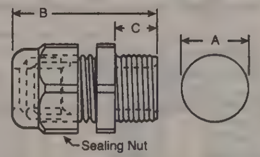
Specifications:
- Color: Black
- Flammability Rating: 94-VO
- Installs with fingertip pressure
- Oil and rain tight, submersible
- Locks firmly in boxes from .030" to .125" thick.
- IP67 rated for use in NEMA 4 enclosures

For quantities of 1500 and up, call for quote.

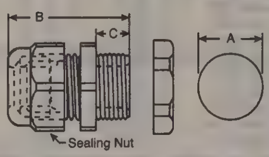
MOUSER STOCK NO.	Heyco Part No.	Fig.	Chassis Dimensions: in.		Description	Dimensions: in.			Price Each			
			Hole Diameter	Max. Thickness		A	B	C	1	100	500	1000
836-3830	3830	G	0.50	0.125	KOS-LT .500	0.92	0.45	0.29	.77	.53	.46	.39
836-3831	3831	G	0.75	0.125	KOS-LT .750	1.15	0.51	0.35	.83	.57	.50	.42
836-3832	3832	G	1.00	0.125	KOS-LT 1.000	1.41	0.56	0.40	.91	.63	.54	.42
836-3833	3833	G	0.875	0.125	KOS-LT 1/2	1.281	0.50	0.359	.83	.57	.50	.42
836-3835	3835	G	1.093	0.125	KOS-LT 3/4	1.531	0.546	0.39	.91	.63	.54	.42
836-3837	3837	G	1.375	0.125	KOS-LT 1	1.796	0.562	0.421	.98	.68	.59	.49

DIMENSIONS: mm (in.)

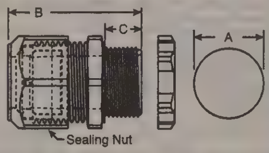
A



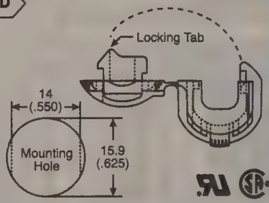
B



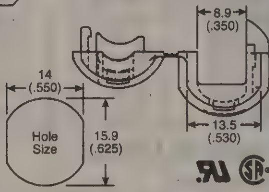
C



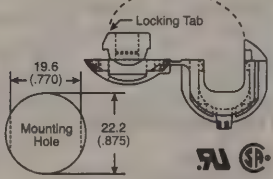
D



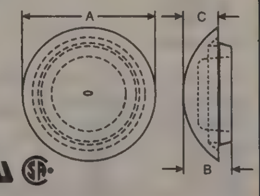
E



F



G



KEYSTONE Test Points and Hardware

THRU-HOLE MOUNT TEST POINTS - COLOR KEYED

Specifications:
- Color-Keyed for visibility and quick identification
- Economical choice for PC Test point terminations
- Snap-fit mounting provides positive retention for wave soldering
- Space saving, ultra low and low profile designs
- Ideal for reliable production testing and field service troubleshooting
- Wire form loop for safe, non-slip testing
- Practical replacement for wire-wrap posts and turrets
- Secure grip for J hooks, EZ hooks, grabbers, alligator clips, tips or probes
- Plastic base strengthens terminal for positive holding power

RoHS Compliant

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Mounting Hole (in.)	Mounting Center	Board Thickness (in.)	Color	Price Each			
							1	100	500	1000
Miniature Terminal: .010 x .020" Phosphor Bronze Wire, Tin Plate; Base: Glass Filled Nylon UL 94V-0										
534-5000	5000	A	0.040	.100 x .100	.062 & .093	Red	.40	.22	.19	.15
534-5001	5001	A	0.040	.100 x .100	.062 & .093	Black	.39	.19	.17	.13
534-5002	5002	A	0.040	.100 x .100	.062 & .093	White	.40	.20	.18	.14
534-5003	5003	A	0.040	.100 x .100	.062 & .093	Orange	.38	.19	.17	.13
534-5004	5004	A	0.040	.100 x .100	.062 & .093	Yellow	.40	.21	.18	.14
Compact Terminal: .015 x .032" Phosphor Bronze Wire, Tin Plate; Base: Valox, UL 94V-0										
534-5005	5005	B	0.063	.125 x .125	.062 & .093	Red	.38	.19	.17	.13
534-5006	5006	B	0.063	.125 x .125	.062 & .093	Black	.38	.19	.17	.13
534-5007	5007	B	0.063	.125 x .125	.062 & .093	White	.38	.19	.17	.13
534-5008	5008	B	0.063	.125 x .125	.062 & .093	Orange	.42	.21	.19	.14
534-5009	5009	B	0.063	.125 x .125	.062 & .093	Yellow	.38	.18	.17	.12
Multipurpose Terminal: .015 x .032" Phosphor Bronze Wire, Tin Plate; Base: Valox, UL 94V-0										
534-5010	5010	C	0.063	.125 x .125	.062 & .093	Red	.40	.20	.18	.14
534-5011	5011	C	0.063	.125 x .125	.062 & .093	Black	.40	.21	.18	.14
534-5012	5012	C	0.063	.125 x .125	.062 & .093	White	.41	.21	.19	.16
534-5013	5013	C	0.063	.125 x .125	.062 & .093	Orange	.40	.20	.18	.13
534-5014	5014	C	0.063	.125 x .125	.062 & .093	Yellow	.38	.19	.17	.13

SMT TEST POINTS - TAPE AND REEL

5015 Specifications:
- Contact material: .010 Phosphor Bronze
- Contact Finish: Tin Lead
- Tape Material: 8mm wide, 4mm pitch conductive polycarbonate
- Reel size available = 1,000 pieces

5016 Specifications:
- Contact material: .015 Phosphor Bronze
- Contact Finish: Tin Lead
- Tape Material: 12mm wide, 4mm pitch conductive polycarbonate
- Reel size available = 1,000 pieces

RoHS Compliant

For quantities of 2,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Description	Price Each			
				1	100	500	1000
534-5015	5015	D	Miniature Ultra low profile	.58	.24	.20	.20
534-5016	5016	E	Compact unique design	.42	.22	.17	.15

STAINLESS STEEL CAPTIVE PANEL SCREWS

Specifications:
- Stainless Steel per ASTM-A581/A-582

RoHS Compliant

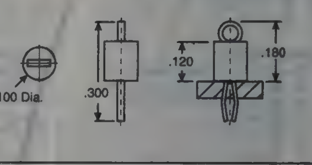
For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Thread Size	Dimensions: in.			Price Each		
				S.D. ±0.005	S.L. ±0.010	S.D. -0.005, -0.00	1	100	500
534-8700	8700	F	4-40	0.078	0.375	0.036	2.12	1.91	1.80
534-8701	8701	F	4-40	0.078	0.500	0.036	2.10	2.02	1.71
534-8702	8702	F	4-40	0.078	0.625	0.036	2.35	2.17	1.86
534-8703	8703	F	6-32	0.095	0.375	0.045	2.30	2.12	1.81
534-8704	8704	F	6-32	0.095	0.500	0.045	1.99	1.82	1.55
534-8705	8705	F	6-32	0.095	0.625	0.045	2.12	1.96	1.69

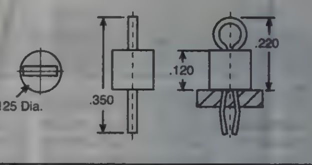
MOUSER STOCK NO.	Keystone Part No.	Fig.	Thread Size	Dimensions: in.					Price Each		
				T.L. -0.015	S.D. 0.005	S.L. ±0.010	P.D. -0.010	P.L. ±0.015	1	100	500
534-8706	8706	G	4-40	0.125	0.078	0.171	0.078	0.078	1.78	1.60	1.40
534-8707	8707	G	4-40	0.125	0.078	0.296	0.078	0.078	1.98	1.82	1.68
534-8708	8708	G	4-40	0.125	0.078	0.421	0.078	0.078	2.03	1.85	1.61
534-8709	8709	G	6-32	0.218	0.095	0.187	0.095	0.093	1.90	1.68	1.51
534-8710	8710	G	6-32	0.218	0.095	0.312	0.095	0.093	2.98	2.04	1.82
534-8711	8711	G	6-32	0.218	0.095	0.437	0.095	0.093	2.89	2.20	1.89

DIMENSIONS: In.

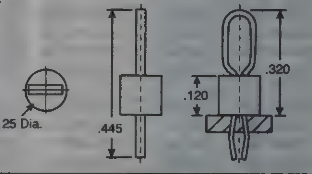
A



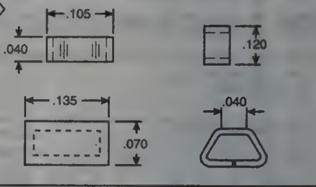
B



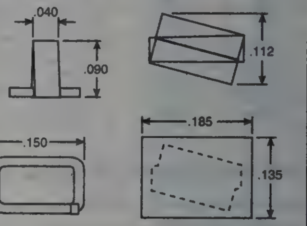
C



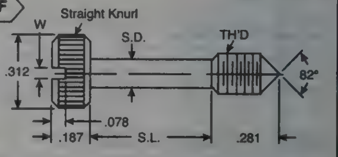
D



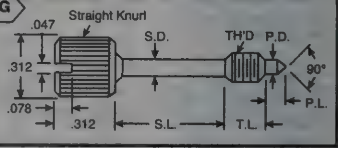
E



F

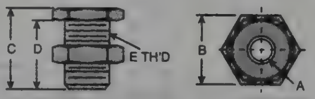


G



PANEL BEARINGS

Specifications:
- Material: Brass, Nickel Plated (QQ-N-290)
- Supplied Unassembled



RoHS Compliant

For quantities of 1,000 and up, call for quote.

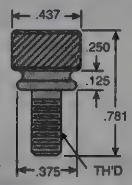
MOUSER STOCK NO.	Keystone Part No.	Description	Dimensions: in.				Price Each		
			A	B	C	D	1	100	500
534-1705	1705	3/8 - 32 Standard	.253	.437	.500	.437	.93	.84	.73
534-1706	1706	1/4 - 32 Miniature	.128	.343	.437	.375	1.10	.96	.84

THUMB SCREWS

Specifications:
For quick removal of panel from chassis.
- Material: Brass, Nickel Plated (QQ-N-290)

RoHS Compliant

DIMENSIONS: In.



For quantities of 1,000 and up, call for quote.

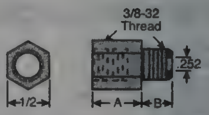
MOUSER STOCK NO.	Keystone Part No.	Thread Size	Price Each		
			1	100	500
534-1708	1708	6-32	1.22	1.05	.91
534-1709	1709	8-32	1.22	1.05	.90
534-1710	1710	10-32	1.21	1.07	.92

VOLUME CONTROL EXTENDERS

Specifications:
For 1/4" volume control shafts having 3/8-32 threaded bushings.
- Material: Brass, Nickel Plated (QQ-N-290)

RoHS Compliant

DIMENSIONS: In.



For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	A	B	Price Each		
				1	100	500
534-1464	1464	0.625	0.250	1.39	1.25	1.13
534-1465	1465	0.625	0.675	1.39	1.25	1.13
534-1466	1466	0.687	0.500	1.39	1.25	1.13
534-1467	1467	0.750	0.250	1.39	1.25	1.13

KEYSTONE Steel Screws

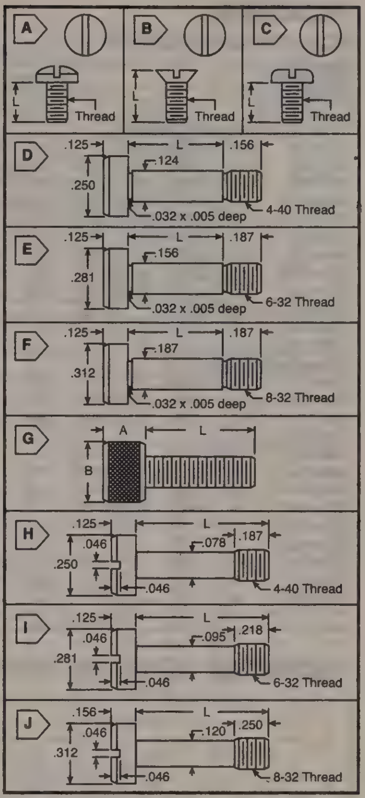
STEEL MACHINE SCREWS

DIMENSIONS: In.

Suited for a variety of fastening applications to assure firm, electrical, and mechanical connections. Flat Head styles for use where fasteners cannot protrude above mating surfaces. Pan Head types to replace round head styles and for cosmetic enhancement and smooth surface area uses.

- Material: Steel, Zinc Plate
- Specifications: Slotted Drive

Length "L" (In.)	Binding Head, Fig. A			Flat Head, Fig. B			Pan Head, Fig. C		
	MOUSER STOCK NO.	**Price Each** 1	100	**MOUSER STOCK NO.**	**Price Each** 1	100	**MOUSER STOCK NO.**	**Price Each** 1	100
2-56 Thread									
0.25	534-9455	.16	.08	534-9555	.16	.08	534-9355	.14	.09
0.50	534-9456	.20	.10	534-9556	.18	.09	534-9356	.14	.07
0.75	534-9457	.18	.09	534-9557	.25	.16	534-9357	.16	.08
4-40 Thread									
0.25	534-9400	.14	.07	534-9500	.18	.09	534-9300	.05	.03
0.375	534-9401	.16	.08	534-9501	.16	.08	534-9301	.10	.05
0.50	534-9402	.18	.09	534-9502	.18	.09	534-9302	.07	.04
0.625	534-9403	.18	.09	534-9503	.18	.09	534-9303	.08	.04
0.75	534-9404	.19	.09	534-9504	.18	.09	534-9304	.08	.04
1.00	534-9405	.24	.13	534-9505	.20	.10	534-9305	.10	.05
6-32 Thread									
0.1875	534-9406	.08	.04	534-9506	.24	.12	534-9306	.08	.04
0.25	534-9407	.08	.04	534-9507	.08	.04	534-9307	.08	.04
0.375	534-9408	.08	.05	534-9508	.08	.04	534-9308	.08	.04
0.50	534-9409	.10	.05	534-9509	.10	.05	534-9309	.09	.05
0.625	534-9410	.10	.05	534-9510	.10	.05	534-9310	.10	.05
0.75	534-9411	.10	.06	534-9511	.10	.05	534-9311	.10	.05
1.00	534-9412	.12	.06	534-9512	.10	.06	534-9312	.11	.07
1.25	534-9413	.34	.17	534-9513	.12	.06	534-9313	.11	.06
2.00	534-9414	.66	.33	534-9514	.19	.10	534-9314	.20	.10
8-32 Thread									
0.25	534-9416	.10	.06	534-9516	.14	.07	534-9316	.10	.05
0.375	534-9417	.12	.06	534-9517	.10	.05	534-9317	.10	.05
0.50	534-9418	.13	.07	534-9518	.10	.06	534-9318	.12	.06
0.625	534-9419	.14	.07	534-9519	.12	.06	534-9319	.12	.06
0.75	534-9420	.15	.08	534-9520	.14	.07	534-9320	.12	.06
1.00	534-9421	.18	.09	534-9521	.18	.09	534-9321	.14	.07
1.25	534-9422	.40	.20	534-9522	.19	.10	534-9322	.18	.09
10-32 Thread									
0.50	534-9423	.20	.10	534-9523	.16	.09	534-9323	.14	.07
0.75	534-9424	.19	.10	534-9524	.18	.09	534-9324	.18	.09
1.00	534-9425	.22	.12	534-9525	.26	.13	534-9325	.22	.11
1.50	534-9426	.30	.15	534-9526	.34	.17	534-9326	.26	.13



SHOULDER SCREWS

- Material: Stainless Steel per ASTM-A581/A582

RoHS Compliant

MOUSER STOCK NO.	Fig.	Thread	Length	**Price Each** 1	100	**MOUSER STOCK NO.**	**Price Each** 1	100
SLOTTED						**SOCKET**		
534-2421	D	4-40	0.125	1.27	.87	534-2441	1.80	1.40
534-2422	D	4-40	0.250	1.45	1.04	534-2442	1.41	1.01
534-2423	D	4-40	0.375	1.65	1.23	534-2443	1.59	1.19
534-2424	D	4-40	0.500	1.71	1.52	534-2444	1.50	1.44
534-2425	E	6-32	0.125	1.48	1.08	534-2445	2.30	1.92
534-2426	E	6-32	0.250	1.82	1.45	534-2446	2.50	2.10
534-2427	E	6-32	0.375	1.86	1.50	534-2447	2.43	2.03
534-2428	E	6-32	0.500	1.87	1.47	534-2448	2.54	2.14
534-2429	E	6-32	0.625	2.14	1.74	534-2449	2.38	1.98
534-2430	E	6-32	0.750	2.22	1.82	534-2450	3.25	2.83
534-2431	F	8-32	0.125	1.57	1.15	534-2451	2.00	1.61
534-2432	F	8-32	0.250	1.64	1.24	534-2452	2.11	1.71
534-2433	F	8-32	0.375	1.82	1.44	534-2453	2.48	2.08
534-2434	F	8-32	0.500	1.78	1.38	534-2454	2.80	2.40
534-2435	F	8-32	0.625	1.95	1.55	534-2455	2.85	2.45
534-2436	F	8-32	0.750	2.46	2.06	534-2456	2.93	2.53
534-2437	F	8-32	1.000	2.56	2.16	534-2457	3.61	3.21

THUMB SCREWS

- Material: Stainless Steel per ASTM-A581/A582

RoHS Compliant

MOUSER STOCK NO.	Fig.	Thread	Length	Dimensions A	B	**Price Each** 1	100
534-2400	G	4-40	0.312	0.187	0.312	1.90	1.50
534-2401	G	4-40	0.375	0.187	0.312	1.56	1.32

THUMB SCREWS (CONT.)

MOUSER STOCK NO.	Fig.	Thread	Length	Dimensions A	B	**Price Each** 1	100
534-2402	G	4-40	0.437	0.187	0.312	2.29	1.64
534-2403	G	4-40	0.500	0.187	0.312	1.49	1.31
534-2404	G	6-32	0.312	0.187	0.312	.99	.89
534-2405	G	6-32	0.375	0.187	0.312	1.40	1.15
534-2406	G	6-32	0.437	0.187	0.312	1.81	1.36
534-2407	G	6-32	0.500	0.187	0.312	2.35	1.70
534-2408	G	8-32	0.375	0.187	0.375	2.70	1.97
534-2409	G	8-32	0.437	0.187	0.375	3.72	2.69
534-2410	G	8-32	0.500	0.187	0.375	3.72	2.38
534-2411	G	8-32	0.562	0.187	0.375	3.89	2.52
534-2412	G	8-32	0.625	0.187	0.375	3.89	2.52

CAPTIVE SCREWS

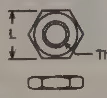
- Material: Stainless Steel per ASTM-A581/A582

RoHS Compliant

MOUSER STOCK NO.	Fig.	Thread	Length	**Price Each** 1	100
534-2413	H	4-40	0.469	1.70	1.35
534-2414	H	4-40	0.531	1.70	1.29
534-2415	I	6-32	0.531	1.74	1.38
534-2416	I	6-32	0.593	1.82	1.42
534-2417	I	6-32	0.656	1.83	1.44
534-2418	J	8-32	0.656	2.00	1.62
534-2419	J	8-32	0.718	2.04	1.64
534-2420	J	8-32	0.781	1.96	1.56

HEX MACHINE SCREW NUTS

- Material: Steel, Zinc Plate

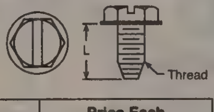


MOUSER STOCK NO.	Thread	Length	**Price Each** 1	100
534-4694	4-40	0.1875	.08	.04
534-9600	4-40	0.25	.05	.04
534-4701	6-32	0.25	.06	.04
534-9602	6-32	0.3125	.05	.03
534-9603	8-32	0.25	.05	.03
534-9604	8-32	0.3125	.08	.04
534-4705	10-32	0.375	.08	.04

SELF TAPPING HEX HEAD SCREWS

Highly versatile screw, used in wood, fiberglass and metal where machine thread inserts are not furnished.

- Material: Steel, Zinc Plate
- Specifications: Slotted Drive



MOUSER STOCK NO.	Thread	Length	**Price Each** 1	100
534-9575	No. 4	0.375	.18	.09
534-9576	No. 6	0.375	.13	.07
534-9577	No. 6	0.50	.14	.07
534-9578	No. 8	0.375	.14	.07
534-9579	No. 8	0.50	.14	.07
534-9580	No. 10	0.375	.14	.07
534-9581	No. 10	0.50	.14	.07

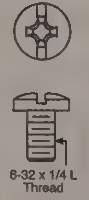
BINDING HEAD SCREWS - COLORED HEAD

RoHS Compliant

Specifications:
Ideal replacement of screws already installed where visual identification is critical.

- Material: Brass, Nickel Plate with Painted Color
- Specifications: Combination Drive

MOUSER STOCK NO.	Color	**Price Each** 1	100
534-9190-2	Red	.14	.08
534-9190-3	Black	.14	.08
534-9190-4	White	.15	.08
534-9190-5	Blue	.15	.09
534-9190-5	Green	.15	.08
534-9190-7	Yellow	.16	.08
534-8190-1	Nickel	.11	.06



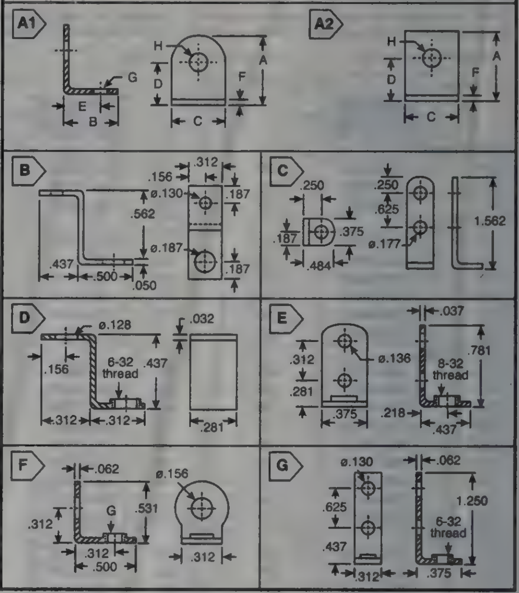
KEYSTONE MOUNTING BRACKETS

RoHS Compliant

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.								Material	Plating	Price Each		
		A	B	C	D	E	F	G Dia.	H Dia.			1	100	500
Clear Hole Universal Brackets														
534-633	A1	.375	.375	.281	.218	.218	.032	.140	.140	Brass	Nickel	.14	.07	.06
534-613	A1	.390	.453	.375	.234	.299	.032	.128	.147	Brass	Nickel	.41	.21	.18
534-615	A1	.420	.343	.281	.281	.203	.032	.125	.144	Brass	Tin	.16	.10	.09
534-4335	A1	.562	.562	.500	.412	.411	.062	.120	.120	Steel	Nickel	.32	.16	.14
534-4336	A1	.562	.562	.500	.412	.412	.062	.144	.144	Steel	Nickel	.36	.18	.15
534-618	A1	.628	.628	.375	.378	.378	.050	.169	.169	Brass	Nickel	.55	.28	.25
534-619	A1	.687	.687	.375	.500	.500	.032	.144	.144	Steel	Tin	.28	.14	.12
534-4326	A1	1.013	.487	.312	.816	.332	.050	.140	.140	Steel	Nickel	.44	.22	.19
534-620	A1	1.156	.656	.375	.906	.406	.032	.169	.169	Steel	Tin	.50	.25	.22
Clear Hole Board Brackets														
534-4325	B	—	—	—	—	—	—	—	—	Steel	Nickel	.50	.30	.27
534-1564	C	—	—	—	—	—	—	—	—	Steel	Nickel	.52	.26	.23
Threaded Brackets														
534-612	A2	.343	.375	.250	.203	.250	.062	4-40	.130	Steel	Zinc	.26	.13	.11
534-621	A2	.343	.375	.250	.203	.250	.062	4-40	4-40	Steel	Zinc	.36	.18	.16
534-616	A2	.453	.312	.250	.265	.187	.047	4-40	.136	Brass	Tin	.63	.33	.28
534-630	D	—	—	—	—	—	—	—	—	Brass	Tin	1.17	.59	.54
534-631	E	—	—	—	—	—	—	—	—	Steel	Tin	.60	.33	.27
534-634	A2	.375	.375	.281	.218	.218	.032	6-32	.140	Brass	Nickel	.50	.25	.20
534-614	A1	.420	.343	.312	.250	.197	.032	6-32	.144	Brass	Tin	.30	.15	.13
534-4334	A2	.562	.562	.500	.412	.412	.062	6-32	6-32	Steel	Nickel	.87	.45	.40
534-4332	F	—	—	—	—	—	—	6-32	—	Brass	Nickel	1.00	.50	.43
534-4333	F	—	—	—	—	—	—	8-32	—	Brass	Nickel	1.20	.60	.49
534-617	A1	.578	.500	.500	.328	.299	.062	6-32	.165	Steel	Tin	.60	.32	.28
534-611	A1	.375	.422	.312	.234	.250	.037	8-32	.135	Brass	Tin	.64	.32	.28
534-708	G	—	—	—	—	—	—	—	—	Steel	Nickel	1.00	.50	.44

DIMENSIONS: In.



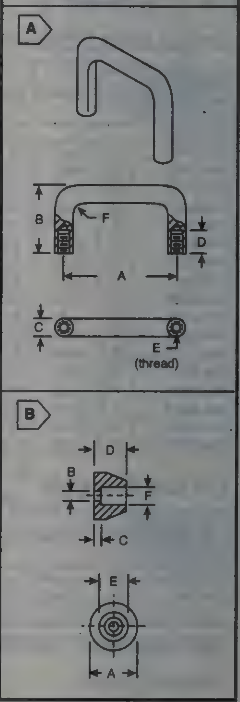
KEYSTONE ROUND INSTRUMENTATION HANDLES

For quantities of 1000 and up, call for quote.

Fig.	Dimensions: in.						Nickel Plated Brass					Aluminum Black Anodize				
							MOUSER STOCK NO.	Price Each				MOUSER STOCK NO.	Price Each			
	A	B	C Dia.	D	E	F		1	10	100	500		1	10	100	500
A	1.250	1.000	.156	.375	4-40	.156	534-7140	3.15	2.66	2.51	2.26	534-7170	2.52	2.11	1.97	1.89
A	2.000	1.000	.156	.375	4-40	.156	534-7141	3.23	2.70	2.52	2.35	534-7171	2.77	2.56	2.39	2.26
A	3.000	1.000	.156	.375	4-40	.156	534-7142	3.49	2.87	2.69	2.32	534-7172	2.94	2.45	2.26	1.98
A	1.250	.625	.187	.156	4-40	.187	534-9100	3.18	2.70	2.52	2.28	534-9110	2.52	2.13	1.97	1.74
A	1.500	.625	.187	.156	4-40	.187	534-9101	3.15	2.66	2.51	2.26	534-9111	2.61	2.20	2.06	1.78
A	1.500	.750	.187	.250	4-40	.187	534-9104	3.25	2.71	2.56	2.40	534-9114	2.86	2.41	2.27	2.07
A	1.750	.625	.187	.156	4-40	.187	534-9102	2.99	2.49	2.30	1.97	534-9112	2.58	2.15	1.98	1.78
A	2.000	.625	.187	.156	4-40	.187	534-9103	3.35	2.82	2.63	2.30	534-9113	2.78	2.34	2.18	2.04
A	1.250	1.000	.187	.250	6-32	.187	534-9106	3.35	2.81	2.66	2.50	534-9116	2.76	2.31	2.17	1.87
A	1.500	1.000	.187	.250	6-32	.187	534-9107	3.55	2.96	2.79	2.60	534-9117	3.04	2.54	2.36	2.18
A	2.000	1.000	.187	.250	6-32	.187	534-9108	3.56	2.98	2.76	2.54	534-9118	3.05	2.56	2.36	2.20
A	3.000	1.000	.187	.250	6-32	.187	534-9109	3.65	3.06	2.84	2.70	534-9119	3.10	2.60	2.40	2.05
A	3.000	1.500	.250	.562	8-32	.250	534-7143	3.80	3.18	2.95	2.79	534-7173	3.22	2.70	2.51	2.33
A	3.000	1.750	.250	.562	8-32	.250	534-485	3.66	3.05	2.83	2.41	534-515	3.34	2.91	2.76	2.48
A	3.500	1.500	.250	.562	8-32	.250	534-480	4.20	3.99	3.78	3.57	534-510	3.34	2.80	2.60	2.40
A	4.000	1.500	.250	.562	8-32	.250	534-7144	3.82	3.38	3.00	2.85	534-7174	3.51	2.94	2.71	2.59
A	4.000	1.750	.250	.562	8-32	.250	534-486	4.04	3.42	3.17	2.80	534-516	3.60	3.14	2.72	2.55
A	4.500	1.500	.250	.562	8-32	.250	534-481	4.16	3.51	3.25	2.85	534-511	3.52	2.93	2.69	2.33
A	4.500	1.750	.250	.562	8-32	.250	534-487	4.01	3.36	3.10	2.95	534-517	3.74	3.18	2.91	2.57
A	5.000	1.500	.250	.562	8-32	.250	534-482	4.27	3.62	3.36	3.01	534-512	3.73	3.13	2.95	2.55
A	5.000	1.750	.250	.562	8-32	.250	534-488	4.35	3.72	3.53	3.35	534-518	3.82	3.37	3.20	2.88
A	5.500	1.500	.250	.562	8-32	.250	534-483	4.09	3.41	3.17	2.76	534-513	3.92	3.30	3.08	2.79
A	6.000	1.500	.250	.562	8-32	.250	534-484	4.34	3.61	3.35	3.01	534-514	4.06	3.56	3.21	2.81
A	6.000	1.750	.250	.562	8-32	.250	534-489	4.62	3.80	3.55	3.05	534-519	4.06	3.56	3.38	3.04
A	3.000	1.500	.312	.562	10-32	.312	534-7145	4.36	3.69	3.41	3.06	534-7175	3.88	3.25	2.98	2.75
A	4.000	1.500	.312	.562	10-32	.312	534-7146	4.61	3.81	3.61	3.11	534-7176	4.22	3.54	3.27	2.91
A	4.000	1.750	.312	.562	10-32	.312	534-493	4.44	3.60	3.44	3.16	534-523	4.05	3.39	3.11	2.90
A	4.500	1.500	.312	.562	10-32	.312	534-490	4.60	3.82	3.54	3.27	534-520	4.18	3.49	3.23	2.99
A	4.500	1.750	.312	.562	10-32	.312	534-494	4.75	3.99	3.72	3.20	534-524	4.25	3.74	3.28	2.90
A	4.562	1.500	.312	.562	10-32	.312	534-7147	5.00	3.95	3.70	3.35	534-7177	4.00	3.33	3.11	3.02
A	5.000	1.500	.312	.562	10-32	.312	534-491	4.84	4.16	3.95	3.75	534-521	4.30	3.60	3.29	3.05
A	5.000	1.750	.312	.562	10-32	.312	534-495	4.66	3.90	3.59	3.40	534-525	4.41	3.81	3.62	3.26
A	5.500	1.500	.312	.562	10-32	.312	534-492	4.92	4.15	3.90	3.40	534-522	4.49	3.91	3.71	3.34
A	6.000	1.500	.312	.562	10-32	.312	534-7148	5.20	4.38	4.04	3.63	534-7178	4.30	3.60	3.25	3.05
A	6.000	1.750	.312	.562	10-32	.312	534-496	4.90	4.20	3.95	3.70	534-526	4.35	3.62	3.35	3.12
A	6.437	1.750	.312	.562	10-32	.312	534-7149	5.38	4.54	4.18	3.76	534-7179	4.51	3.80	3.51	3.16
A	4.000	1.375	.375	.375	10-32	.375	534-7150	4.90	4.15	3.84	3.60	534-7180	3.89	3.26	3.00	2.85
A	6.000	1.375	.375	.375	10-32	.375	534-7151	4.90	4.08	3.74	3.40	534-7181	4.35	3.66	3.35	3.11

RoHS Compliant

DIMENSIONS: In.



KEYSTONE FERRULES FOR ROUND HANDLES

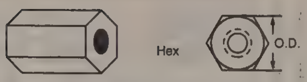
- To protect and support panel surface

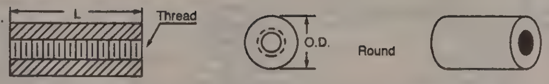
RoHS Compliant

For quantities of 1000 and up, call for quote.

Fig.	Dimensions: in.							Nickel Plated Brass					Aluminum Black Anodize				
								MOUSER STOCK NO.	Price Each				MOUSER STOCK NO.	Price Each			
	For Diameter Thread	A	B	C Dia.	D	E	F		1	10	100	500		1	10	100	500
B	.156 / 4-40	.250	.120	.047	.125	.200	.161	534-7162	.78	.64	.55	.49	534-7192	1.07	.89	.75	.64
B	.187 / 4-40	.312	.120	.062	.125	.265	.203	534-9120	.85	.71	.60	.51	534-9122	1.23	1.03	.87	.75
B	.187 / 6-32	.312	.144	.062	.125	.265	.203	534-9121	.85	.71	.60	.51	534-9123	1.25	1.05	.89	.76
B	.250 / 8-32	.375	.170	.062	.187	.320	.260	534-7163	.85	.71	.60	.51	534-7193	1.25	1.08	.90	.77
B	.312 / 10-32	.562	.196	.062	.250	.406	.320	534-7164	1.26	1.08	.90	.78	534-7194	1.27	1.06	.90	.76

HEX AND ROUND STANDOFFS



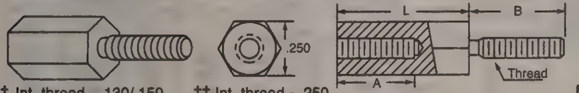


For quantities of 500 and up, call for quote.

Length "L" (in.)	Aluminum Clear Iridite				Brass Zinc Plate			
	Hex	Round	Price Each		Hex	Round	Price Each	
	MOUSER STOCK NO.	MOUSER STOCK NO.	1	100	MOUSER STOCK NO.	MOUSER STOCK NO.	1	100
2-56 Thread (.156 O.D.)								
.187	534-1797A	534-1801A	.74	.38	534-1798A	534-1802A	.88	.46
.250	534-1797B	534-1801B	.78	.41	534-1798B	534-1802B	.77	.39
.312	534-1797C	534-1801C	.82	.41	534-1798C	534-1802C	1.16	.58
.375	534-1797D	534-1801D	.85	.44	534-1798D	534-1802D	1.10	.55
4-40 Thread (.187 O.D.)								
.250	534-1891	534-2025	.34	.17	534-1450	534-1547	.50	.25
.375	534-1892	534-2026	.40	.20	534-1803	534-1864	.68	.34
.500	534-1893	534-2027	.45	.25	534-1656	534-1657	.50	.26
.625	534-1894	534-2028	.50	.25	534-1804	534-1865	.68	.34
.750	534-1895	534-2029	.55	.28	534-1656A	534-1657A	.64	.32
.875	534-1896	534-2030	.60	.30	534-1805	534-1866	.83	.42
1.000	534-1897	534-2031	.85	.46	534-1656B	534-1657B	.83	.44
4-40 Thread (.250 O.D.)								
.250	534-2201	534-3478	.33	.18	534-1450A	534-1547A	.45	.23
.375	534-2202	534-3479	.38	.21	534-1450B	534-1547B	.53	.26
.500	534-2203	534-3480	.42	.21	534-1450C	534-1547C	.70	.35
.625	534-1808	534-1839	.51	.26	534-1829	534-1867	.79	.42
.750	534-2204	534-3481	.46	.24	534-1450D	534-1547D	.92	.50
.875	534-1809	534-1846	.66	.33	534-1830	534-1876	.92	.46
1.000	534-2205	534-3482	.72	.36	534-1450E	534-1547E	1.10	.59
1.500	534-2206	534-3483	.75	.64	534-1831	534-1877	1.10	.98
2.000	534-2207	534-3484	1.39	.70	534-1832	534-1878	1.22	1.10
6-32 Thread (.250 O.D.)								
.250	534-2208	534-3485	.33	.18	534-1451A	534-1548A	.33	.17
.375	534-2209	534-3486	.36	.19	534-1451B	534-1548B	.38	.19
.500	534-2210	534-3487	.40	.21	534-1451C	534-1548C	.52	.29
6-32 Thread (.250 O.D.) (cont.)								
.625	534-1813	534-1847	.50	.25	534-1451D	534-1548D	.67	.38
.750	534-2211	534-3488	.46	.24	534-1451E	534-1548E	.75	.38
.875	534-1816	534-1848	.48	.24	534-1833	534-1879	.74	.40
1.000	534-2212	534-3489	.70	.35	534-1635	534-1548F	.72	.36
1.250	534-1818	534-1853	.65	.56	534-1636	534-1881	.80	.75
1.500	534-2213	534-3490	.69	.60	534-1637	534-1882	.93	.86
1.750	534-1819	534-1855	.78	.66	534-1638	534-1883	1.18	1.10
2.000	534-2214	534-3491	.82	.71	534-1639	534-1884	1.05	1.00
2.250	534-1820	534-1856	1.05	.90	534-1642	534-1885	1.28	1.22
2.500	534-1825	534-1857	1.05	.90	534-1643	- - - - - - -	1.69	1.49
8-32 Thread (.250 O.D.)								
.250	534-2215	534-3492	.31	.16	534-1474A	534-1692A	.58	.32
.375	534-2216	534-3493	.39	.17	534-1474B	534-1692B	.61	.32
.500	534-2217	534-3494	.42	.21	534-1474C	534-1692C	.76	.40
.625	534-1827	- - - - - - -	.60	.30	534-1834	534-1887	.87	.46
.750	534-2218	534-3495	.60	.33	534-1474D	534-1692D	1.08	.53
.875	534-1828	534-1859	.78	.39	534-1836	534-1888	.94	.47
1.000	534-2219	534-3496	.70	.35	534-1474E	534-1692E	1.11	.60
1.500	534-2220	534-3497	.75	.63	534-1837	534-1889	1.10	.98
2.000	534-2221	534-3498	.73	.64	534-1838	534-1899	1.25	1.15
8-32 Thread (.375 O.D.)								
.375	534-1926A	534-2315A	.96	.43	534-1452A	534-1549A	1.11	.60
.500	534-1926B	534-2315B	1.08	.56	534-1452B	534-1549B	1.22	.64
.625	534-1926C	534-2315C	1.09	.55	534-1452C	534-1549C	1.31	.65
.750	534-1926D	534-2315D	1.22	.61	534-1452D	534-1549D	1.41	.71
1.000	534-1926E	534-2315E	1.42	.72	534-1452E	534-1549E	1.95	1.05

KEYSTONE HEX MALE/FEMALE THREADED STANDOFFS

DIMENSIONS: In.



Thread Size	A (in.) Internal	B (in.) External
4-40	.250	.187
6-32	.375	.250
8-32	.375	.375

† Int. thread - .130/.150 †† Int. thread - .250

For quantities of 500 and up, call for quote.

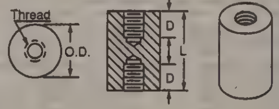
Length "L" (in.)	Stainless Steel			Brass Nickel Plate			Aluminum Clear Iridite		
	MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each		MOUSER STOCK NO.	Price Each	
		1	100		1	100		1	100
4-40 Thread									
.250	† 534-8712	2.70	1.35	† 534-8713	.52	.26	† 534-8714	.43	.23
.375	534-2087	2.72	1.38	534-7200	.58	.30	534-8400	.48	.26
.500	534-2088	1.84	1.43	534-1944	.70	.35	534-8401	.68	.34
.625	534-2089	2.96	1.50	534-1945	.74	.37	534-8402	.72	.36
.750	534-2090	3.08	1.55	534-1946	.84	.42	534-8403	.76	.38
.875	534-2091	3.15	1.58	534-7201	.90	.50	534-8404	.80	.41
1.000	534-2092	2.28	1.74	534-1947	1.02	.56	534-8405	.86	.43
1.125	534-2093	3.19	1.60	534-7202	1.10	.59	534-8406	1.04	.52
1.250	534-2094	3.40	1.70	534-1948	1.57	.83	534-8407	1.05	.53
1.375	534-2095	3.44	1.72	534-1949	1.59	.84	534-8408	1.23	.63
1.500	534-2096	3.49	1.75	534-1950	1.57	.79	534-8409	1.26	.64
1.625	534-2097	3.55	1.77	534-7203	1.59	.79	534-8410	1.31	.67
1.750	534-2098	3.65	1.85	534-7205	1.77	.89	534-8411	1.32	.67
2.000	534-2099	3.75	1.87	534-1951	1.90	1.01	534-8412	1.37	.69
6-32 Thread									
.250	† 534-8715	2.08	1.06	† 534-8716	.47	.24	† 534-8717	.48	.25
.375	†† 534-2119	2.14	1.09	†† 534-7210	.60	.33	†† 534-8413	.52	.26
.500	534-2120	2.28	1.14	534-1952	.67	.34	534-8414	.52	.27
.625	534-2121	2.37	1.21	534-1953	.81	.42	534-8415	.74	.37
.750	534-2122	2.75	1.40	534-1954	.87	.48	534-8416	.66	.33
.875	534-2123	2.83	1.45	534-7211	.92	.55	534-8417	.70	.36
1.000	534-2124	2.90	1.45	534-1644	1.02	.51	534-8418	.84	.74
1.125	534-2125	3.45	1.73	534-7212	1.08	.57	534-8419	.76	.39
1.250	534-2126	3.76	1.90	534-1955	1.27	.72	534-8420	.81	.41
1.375	534-2127	3.50	1.75	534-1956	1.38	.76	534-8421	.92	.46
1.500	534-2128	3.56	1.80	534-1645	1.40	.70	534-8422	1.15	.60
1.625	534-2129	3.53	1.76	534-7214	1.59	.99	534-8423	1.06	.54
1.750	534-2130	3.70	1.89	534-7215	1.90	1.01	534-8424	.70	.59
2.000	534-2131	3.82	1.96	534-1646	1.90	1.02	534-8425	1.14	.57
8-32 Thread									
.375	†† 534-2149	3.01	1.52	†† 534-7220	.68	.36	†† 534-8426	.68	.34
.500	534-2150	3.07	1.60	534-1957	.69	.36	534-8427	.68	.34
.625	534-2151	3.07	1.54	534-1958	.96	.51	534-8428	.72	.36
.750	534-2152	3.32	1.68	534-1959	1.00	.53	534-8429	.80	.40
.875	534-2153	3.49	1.75	534-7221	1.03	.52	534-8430	.83	.42
1.000	534-2154	2.47	1.79	534-1960	1.15	.60	534-8431	.92	.46
1.125	534-2155	5.02	2.51	534-7222	1.17	.59	534-8432	1.23	.62
1.250	534-2156	3.59	3.29	534-1961	1.57	.85	534-8433	1.27	.64
1.375	534-2157	5.32	2.66	534-1962	1.50	.75	534-8434	1.37	.69
1.500	534-2158	5.40	2.70	534-1963	1.67	.89	534-8435	1.39	.70
1.625	534-2159	5.48	2.74	534-7224	1.59	.79	534-8436	1.37	.69
1.750	534-2160	5.55	2.77	534-7225	1.77	1.00	534-8437	1.45	.72
2.000	534-2161	5.75	2.87	534-1964	1.90	1.15	534-8438	1.42	.72

KEYSTONE THREADED CERAMIC STANDOFFS

Features:

- Grade L5 Ceramic
- Ideal for very high temperature conditions
- Exceptional strength in compression and tension
- Withstands very high voltage without flashover

RoHS Compliant



Commercial

For quantities of 1000 and up, call for quote.

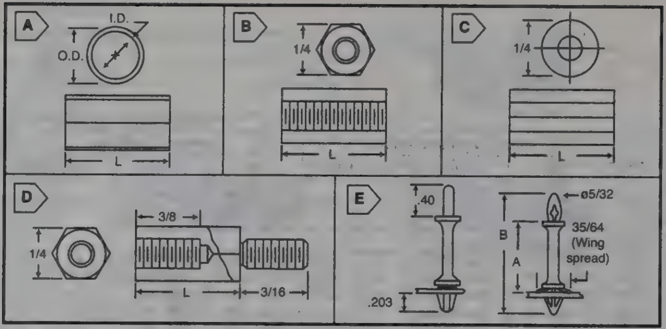
MOUSER STOCK NO.	Thread Size	Dimensions (in.)			Price Each		
		L	O.D.	D	1	100	500
534-7710	6-32	.250	.250	Thru	2.52	1.26	1.17
534-7711	6-32	.500	.250	.156	2.92	1.51	1.41
534-7713	6-32	.500	.375	.187	2.60	1.30	1.19
534-7714	6-32	.500	.500	.140	2.67	1.34	1.24
534-7715	6-32	.750	.500	.250	2.90	1.49	1.39
534-7716	6-32	1.000	.500	.375	2.97	1.75	1.50
534-7717	6-32	1.500	.500	.582	3.75	1.90	1.80
534-7718	6-32	2.500	.500	.500	4.53	2.26	2.10
534-7719	1/4-20	2.500	.750	.750	6.46	3.23	3.00
534-7720	1/4-20	4.000	.750	.750	7.79	3.90	3.61

Military

- Military types meet MIL-1-010

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Thread Size	Dimensions (in.)			NL #	Price Each	
		L	O.D.	D		1	100
534-7661	6-32	.500	.375	.156	NL523W01-004	2.82	1.41
534-7663	8-32	.625	.500	.187	NL523W02-005	3.22	1.66
534-7664	6-32	.750	.375	.250	NL523W01-006	3.12	1.56
534-7665	8-32	.750	.500	.250	NL523W02-006	3.25	1.62
534-7666	6-32	1.000	.375	.375	NL523W01-008	3.19	1.60
534-7667	8-32	1.000	.500	.375	NL523W02-008	3.34	3.00
534-7668	10-32	1.000	.750	.375	NL523W03-008	5.50	2.80
534-7669	6-32	1.250	.375	.375	NL523W01-010	3.50	1.85
534-7670	8-32	1.250	.500	.375	NL523W02-010	3.85	2.35
534-7671	1/4-20	1.250	1.000	.437	NL523W04-010	5.66	4.95
534-7672	6-32	1.500	.375	.375	NL523W01-012	3.64	1.82
534-7673	8-32	1.500	.500	.375	NL523W02-012	3.93	1.97
534-7674	10-32	1.500	.750	.375	NL523W03-012	6.05	3.12
534-7675	1/4-20	1.500	1.000	.500	NL523W04-012	8.91	4.60
534-7676	6-32	2.000	.375	.375	NL523W01-016	4.25	2.20
534-7677	8-32	2.000	.500	.375	NL523W02-016	4.30	2.15
534-7678	10-32	2.000	.750	.375	NL523W03-016	6.46	3.23



KEYSTONE ALUMINUM SPACERS

- Precision rolled
- Tight joint on outside diameter
- Square ends
- No burrs

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (in.)	Screw Size	I.D. ±.005	O.D. ±.007	Price Each			
						1	100	500	1000
534-397	A	3/16	4	.125	.167	.14	.07	.06	.04
534-398	A	1/4	4	.125	.167	.12	.06	.05	.03
534-399	A	5/16	4	.125	.167	.15	.09	.07	.05
534-400	A	3/8	4	.125	.167	.15	.08	.07	.05
534-402	A	1/2	4	.125	.167	.14	.07	.06	.04
534-403	A	5/8	4	.125	.167	.16	.08	.07	.05
534-418	A	3/4	4	.125	.167	.16	.08	.07	.05
534-420	A	1	4	.125	.167	.16	.08	.07	.05
534-405	A	1/4	6	.151	.193	.14	.07	.06	.04
534-406	A	5/16	6	.151	.193	.14	.07	.06	.04
534-407	A	3/8	6	.151	.193	.13	.07	.06	.05
534-409	A	1/2	6	.151	.193	.14	.08	.07	.05
534-425	A	3/4	6	.151	.193	.16	.08	.07	.05
534-427	A	1	6	.151	.193	.16	.08	.07	.05
534-412	A	1/4	8	.178	.232	.18	.09	.08	.05
534-414	A	3/8	8	.178	.232	.21	.11	.09	.07
534-416	A	1/2	8	.178	.232	.22	.11	.10	.08
534-417	A	5/8	8	.178	.232	.21	.11	.09	.05
534-432	A	3/4	8	.178	.232	.28	.14	.11	.09
534-434	A	1	8	.178	.232	.30	.15	.12	.08

KEYSTONE BRASS SPACERS

Round

- 1/4" O.D. round unthreaded
- Drilled for clearance of screw sizes shown in table
- Nickel plated

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Length (in.)	Screw Size	I.D.	O.D.	Price Each			
						1	100	500	1000
534-1454A	C	1/4	4	.120	.250	.41	.21	.18	.14
534-1454C	C	1/2	4	.120	.250	.47	.24	.20	.12
534-1457A	C	1/4	6	.140	.250	.40	.27	.24	.15
534-1457B	C	3/8	6	.140	.250	.48	.29	.20	.17
534-1457C	C	1/2	6	.140	.250	.62	.49	.34	.29
534-1480	C	1/4	8	.171	.250	.40	.27	.24	.15
534-1481	C	3/8	8	.171	.250	.48	.29	.20	.17

Hex Threaded

- Zinc plated

For quantities of 2000 and up, call for quote.

534-1450A	B	1/4	4-40	.125	.250	.45	.23	.19	.11
534-1450B	B	3/8	4-40	.125	.250	.53	.26	.24	.19
534-1450C	B	1/2	4-40	.125	.250	.70	.35	.29	.20
534-1829	B	5/8	4-40	.125	.250	.79	.42	.38	.31
534-1451A	B	1/4	6-32	.151	.250	.33	.17	.14	.11
534-1451B	B	3/8	6-32	.151	.250	.38	.19	.16	.13
534-1451C	B	1/2	6-32	.151	.250	.52	.29	.24	.21
534-1451D	B	5/8	6-32	.151	.250	.67	.38	.32	.28
534-1451E	B	3/4	6-32	.151	.250	.75	.38	.33	.27
534-1635	B	1	6-32	.151	.250	.72	.36	.31	.24
534-1474A	B	1/4	8-32	.178	.250	.58	.32	.28	.20
534-1474B	B	3/8	8-32	.178	.250	.61	.32	.28	.20
534-1474C	B	1/2	8-32	.178	.250	.76	.40	.34	.22
534-1834	B	5/8	8-32	.178	.250	.87	.46	.40	.29
534-1474D	B	3/4	8-32	.178	.250	1.08	.53	.45	.42
534-1474E	B	1	8-32	.178	.250	1.11	.60	.53	.39

Hex Male/Female Threaded

- Can be used as grounded PCB mounts
- Nickel plated

For quantities of 2000 and up, call for quote.

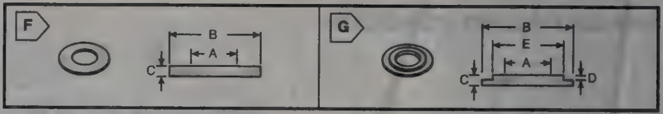
534-1944	D	1/2	4-40	.125	.250	.70	.35	.30	.18
534-1945	D	5/8	4-40	.125	.250	.74	.37	.33	.25
534-1946	D	3/4	4-40	.125	.250	.84	.42	.36	.22
534-1947	D	1	4-40	.125	.250	1.02	.56	.49	.35

KEYSTONE NYLON SPACER SUPPORTS

- Fire retardant nylon
- Flexible
- For 1/16" PCB thickness
- Max. chassis thickness: .07"
- Easy PCB mounting

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions (in.)		Price Each			
		A	B	1	100	500	1000
534-1927A	E	.250	.937	.18	.09	.07	.05
534-1928A	E	.375	1.062	.16	.08	.07	.06
534-1929A	E	.500	1.187	.18	.09	.08	.06
534-1930A	E	.625	1.312	.20	.16	.10	.08



KEYSTONE FIBER WASHERS

Material: Commercial grade fiber per ASTM D710.

Flat Washers

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: in.			Price Each			
			A	B	C	1	100	1000	5000
534-3368	F	4	.120	.250	.0625	.08	.04	.03	.02
534-3201	F	6	.140	.375	.0625	.06	.04	.03	.02
534-3372	F	8	.171	.375	.0625	.06	.04	.03	.02
534-3208	F	10	.196	.375	.0625	.08	.05	.04	.03
534-3373	F	1/4	.260	.500	.0625	.09	.05	.04	.03
534-3222	F	3/8	.385	.625	.0625	.07	.04	.03	.02

Shoulder Washers

For quantities of 10000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Screw Size	Dimensions: in.					Price Each			
			A	B	C	D	E	1	100	1000	5000
534-3062	G	4	.115	.250	.062	.031	.187	.14	.07	.03	.02
534-4698	G	6	.140	.250	.093	.031	.187	.08	.05	.04	.03
534-3233	G	6	.140	.375	.093	.031	.240	.16	.08	.06	.06
534-3065	G	8	.170	.375	.093	.031	.246	.12	.07	.05	.04
534-4702	G	10	.194	.375	.093	.031	.308	.11	.06	.05	.04
534-4711	G	1/4	.253	.500	.093	.031	.308	.10	.06	.05	.04
534-3069	G	3/8	.385	.625	.093	.031	.498	.16	.08	.06	.06

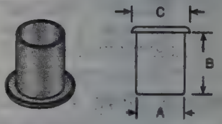
KEYSTONE NYLON WASHER

For quantities of 10000 and up, call for quote.

534-3049	G	4	.115	.218	.071	.031	.135	.08	.04	.03	.02

KEYSTONE WIDE ROLL EYELETS

Highest engineering standards maintained to produce these eyelets to uniform dimensions. Guaranteed to be within listed tolerances. A choice of most popular sizes in general use for electronic circuitry.



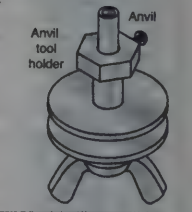
Features:

- Material: brass
- Precision made
- Plating: bright electro tin, Mil-F-14072
- Solderability retained indefinitely

MOUSER STOCK NO.	Hole Size of Material to be Eyeleted	Dimensions: in.				Price Each			
		A±.003		B ±.008	C ±.005	1	100	500	1000
		I.D.	O.D.						
534-22	1/16	.045	.059	.062	.105	.08	.05	.04	.03
534-23	1/16	.045	.059	.093	.105	.06	.04	.03	.02
534-24	1/16	.045	.059	.125	.105	.08	.05	.04	.03
534-25	1/16	.045	.059	.156	.105	.09	.05	.04	.03
534-26	1/16	.045	.059	.187	.105	.09	.05	.04	.03
534-27	1/16	.045	.059	.219	.105	.08	.05	.04	.03
534-33	3/32	.070	.089	.093	.150	.08	.05	.04	.03
534-34	3/32	.070	.089	.125	.150	.09	.05	.04	.03
534-35	3/32	.070	.089	.156	.150	.08	.05	.04	.03
534-36	3/32	.070	.089	.187	.150	.08	.05	.04	.03
534-37	3/32	.070	.089	.219	.150	.08	.05	.04	.03
534-43	1/8	.102	.121	.093	.200	.09	.05	.04	.03
534-44	1/8	.102	.121	.125	.200	.08	.05	.04	.03
534-45	1/8	.102	.121	.156	.200	.09	.05	.04	.03
534-46	1/8	.102	.121	.187	.200	.10	.05	.04	.03
534-47	1/8	.102	.121	.219	.200	.10	.05	.04	.03
534-48	1/8	.102	.121	.250	.200	.10	.06	.05	.04

KEYSTONE "BASIC" STAKING TOOL KIT

For single end terminals, eyelets, or rivets



Each Kit Contains:

- (2) 1/4" staking tools (for shank diameters of .062" to .098" & .110" to .125" respectively)
- (2) bottom anvils
- (1) toolholder
- (1) instructions

MOUSER STOCK NO.	Price Each	
	1	5
534-1721	26.16	24.52

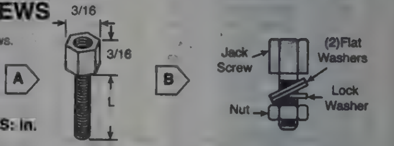
Features:

- Build terminal boards
- Mount components quickly
- Repair circuits
- Make prototypes at your desk

KEYSTONE JACK SCREWS

Equivalent to Amp, Cannon, and TRW jack screws.

- Meets MIL-C-24308/26
- Material: steel and zinc plate



DIMENSIONS: in.

* Jack Screw with Hardware

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Length (In.)	Price Each			
				1	10	100	500
534-7228	A	Gold iridite	.250	.40	.20	.18	.14
*534-7229	B	Gold iridite	.250	.50	.26	.23	.20
*534-7229-5	B	Clear chromate	.250	.56	.29	.25	.18
534-7230	A	Gold iridite	.312	.28	.19	.17	.15
534-7230-5	A	Clear chromate	.312	.24	.19	.15	.13
*534-7231	B	Gold iridite	.312	.34	.29	.23	.20
*534-7231-5	B	Clear chromate	.312	.30	.25	.21	.19
534-7232	A	Gold iridite	.625	.56	.47	.39	.34
534-7232-5	A	Clear chromate	.625	.56	.47	.39	.34
*534-7233	B	Gold iridite	.625	.74	.62	.53	.47
*534-7233-5	B	Clear chromate	.625	.63	.54	.46	.40

SWAGE THREADED STANDOFFS

Specifications:
- Brass: per ASTM-B16
- Nickel Plate: QQ-N-290

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Fig.	"H" Height above Panel	"L" Shank Length	Panel Thickness	"LD" Shank Diameter	Price Each 1	100	500	1000
Round 2-56 Thread x .156 O.D. (5/32")									
534—1589-2	A	0.125	0.109	1/16	0.125	.60	.36	.28	.20
534—1590-2	A	0.187	0.109	1/16	0.125	.48	.26	.22	.20
534—1591-2	A	0.250	0.109	1/16	0.125	.46	.29	.25	.22
Hex 2-56 Thread x .156 O.D. (5/32")									
534—1731-2	B	0.125	0.109	1/16	0.125	.44	.26	.22	.20
534—1740-2	B	0.250	0.109	1/16	0.125	.58	.31	.27	.23
Round 4-40 Thread x .187 O.D. (3/16")									
534—2260-2	A	0.125	0.109	1/16	0.139	.52	.27	.22	.18
534—2262-2	A	0.250	0.109	1/16	0.139	.47	.24	.19	.14
534—2263-2	A	0.375	0.109	1/16	0.139	.50	.25	.20	.16
534—2264-2	A	0.500	0.109	1/16	0.139	.60	.30	.24	.20
Hex 4-40 Thread x .187 O.D. (3/16")									
534—2270-2	B	0.125	0.109	1/16	0.139	.48	.28	.23	.15
534—2272-2	B	0.250	0.109	1/16	0.139	.56	.30	.25	.20
534—2274-2	B	0.500	0.109	1/16	0.139	.66	.35	.28	.24
Round 4-40 Thread x .250 O.D. (1/4")									
534—1560A	A	0.125	0.109	1/16	0.187	.33	.18	.16	.14
534—1790-2	A	0.187	0.109	1/16	0.187	.60	.30	.25	.18
534—1650-2	A	0.250	0.109	1/16	0.187	.38	.19	.16	.13
534—1623-2	A	0.500	0.109	1/16	0.187	.81	.42	.37	.32
534—1625-2	A	0.750	0.109	1/16	0.187	.92	.48	.43	.30
534—1652-2	A	1.000	0.109	1/16	0.187	1.10	.58	.50	.39
Hex 4-40 Thread x .250 O.D. (1/4")									
534—1653-2	B	0.125	0.109	1/16	0.187	.35	.23	.18	.15
534—1746-2	B	0.187	0.109	1/16	0.187	.46	.23	.21	.15
534—1627-2	B	0.250	0.109	1/16	0.187	.50	.25	.21	.18
534—1629-2	B	0.500	0.109	1/16	0.187	.70	.35	.30	.27
534—1655-2	B	0.750	0.109	1/16	0.187	.68	.34	.31	.29
Round 6-32 Thread x .250 O.D. (1/4")									
534—1560B	A	0.125	0.109	1/16	0.187	.34	.30	.27	.25
534—1546	A	0.250	0.109	1/16	0.187	.38	.19	.16	.14
534—1561B	A	0.375	0.109	1/16	0.187	.50	.42	.38	.34
534—1604-2	A	0.500	0.109	1/16	0.187	.65	.34	.28	.24
534—1608-2	A	0.750	0.109	1/16	0.187	.93	.48	.41	.32
Hex 6-32 Thread x .250 O.D. (1/4")									
534—1620-2	B	0.125	0.109	1/16	0.187	.50	.25	.22	.17
534—1621-2	B	0.250	0.109	1/16	0.187	.66	.33	.30	.25
534—1758-2	B	0.500	0.109	1/16	0.187	.66	.33	.29	.25
534—1761-2	B	0.750	0.109	1/16	0.187	.73	.36	.33	.31

STANDARDIZED TERMINALS

Specifications:
- Material: Free Cutting Brass- ASTM-B16
- Plating: Bright Electro-Tin per MIL-T-10727 Type 1

Features:
- Swage and thread mounting types available
- Bright tin plated for extended shelf life and excellent solderability
- Wide variety of sizes to suit space and wire size requirements

RoHS Compliant

For quantities of 5000 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Fig.	Description	Uses Staking Tool #	Board Thickness	"L" Shank Length	Price Each 1	100	500	1000
Single & Double Turret Series									
534—1528-1	C	Single	Special Order	0.032	0.051	.14	.07	.06	.03
534—1528-2	C	Single	Special Order	0.062	0.082	.14	.11	.09	.05
534—1528-4	C	Single	Special Order	0.125	0.145	.14	.11	.09	.05
534—1502-1	D	Double	534-TL-2	0.032	0.078	.17	.14	.11	.07
534—1502-2	D	Double	534-TL-2	0.062	0.109	.17	.14	.11	.07
534—1502-3	D	Double	534-TL-2	0.093	0.141	.17	.14	.11	.07
534—1502-4	D	Double	534-TL-2	0.125	0.172	.17	.14	.11	.07
Tubular (Hollow) Turret Series									
534—1540-2	E	Tubular	534-TL-5	0.062	0.109	.30	.18	.14	.11
534—1540-4	E	Tubular	534-TL-5	0.125	0.172	.28	.14	.11	.07
534—1509-2	F	Tubular	534-TL-8	0.062	0.109	.37	.29	.24	.15
534—1509-4	F	Tubular	534-TL-8	0.125	0.172	.37	.29	.24	.15

STAKING TOOLS

Specifications:
- Manufactured from steel with zinc plate
- Punch and anvil are precision machined and hardened to ensure long life

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Fig.	Description	Price Each 1	5
534—TL-2	G	Top staking punch and anvil for standardized terminals	11.01	10.25
534—TL-5	G	Top staking punch and anvil for standardized terminals	11.01	10.25
534—TL-8	G	Top staking punch and anvil for standardized terminals	11.01	10.25
534—TL-19	G	For swage standoffs, .187" OD, 2-56 thread	11.01	10.25
534—TL-20	G	For swage standoffs, .25" OD, 4-40 thread	11.01	10.25
534—TL-21	G	For swage standoffs, .25" OD, 6-32 thread	11.01	10.25

METAL HOLE PLUGS

Plug chassis holes, wiring outlets, access holes, or unused openings.
Made of nickel-plated steel.

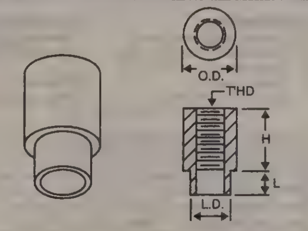
RoHS Compliant

For quantities of 5000 and up, call for quote.

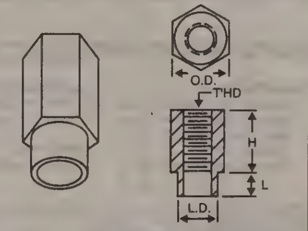
MOUSER STOCK NO. Mfr. / Mfr. Part No.	Fig.	Hole Size (in.)	D (in.)	No. of Prongs	Price Each 1	100	500	1000
534—7600	H	1/4	13/32	6	.35	.29	.26	.20
534—7601	H	5/16	7/16	6	.35	.27	.24	.20
534—7602	H	3/8	1/2	6	.32	.27	.25	.20
534—7603	H	1/2	21/32	8	.40	.32	.26	.20
534—7604	H	5/8	13/16	8	.40	.33	.29	.24
534—7606	H	7/8	1 1/16	12	.44	.39	.34	.28
534—7607	H	1	1 9/64	12	.49	.43	.38	.31

DIMENSIONS: in.

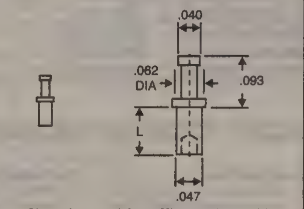
A



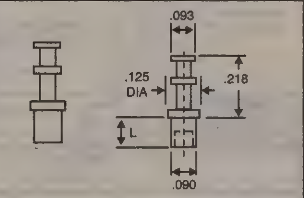
B



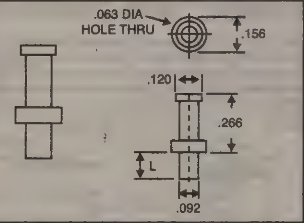
C



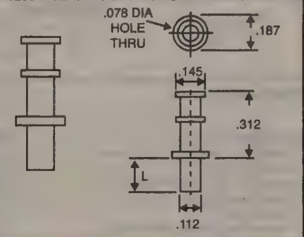
D



E

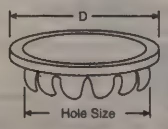


F



G

H



Linear and Position Sensors

ALPS RDC10 SERIES LINEAR SENSORS

Specifications:
- Light operating force (250gF)
- Operating life: 100,000 cycles
- Total resistance: 10KW ±30%
- Linearity: ±0.5%
- Rated voltage: 5 VDC

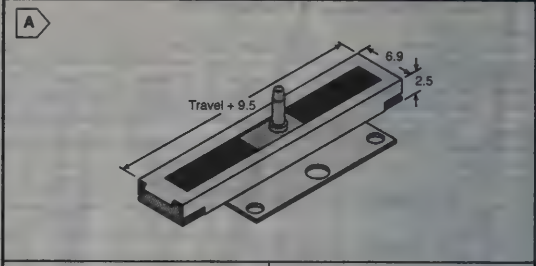
Applications:
- Detection of feedback from motor drive units in cameras and CD/MD changers
- Detection of paper size in photo copiers, printers, and projectors

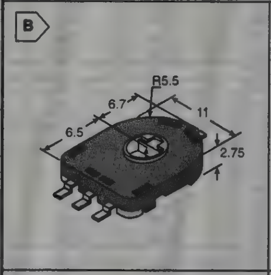
Features:
- High precision linearity

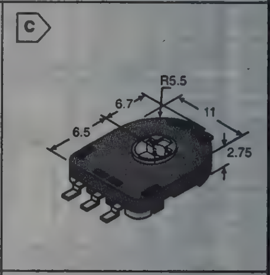
For quantities of 500 and up, call for quote.

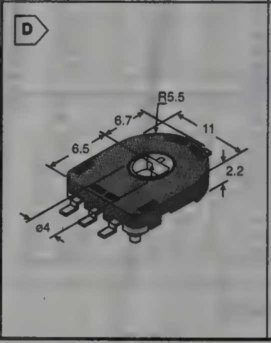
MOUSER STOCK NO.	Alps Part No.	Fig.	Travel	Length of Lever	Price Each			
					1	25	50	100
688-RDC1014A09	RDC1014A09	A	14mm	4.5mm	2.96	2.47	2.22	1.97
688-RDC1022A05	RDC1022A05	A	22mm	4.5mm	2.96	2.47	2.22	1.97
688-RDC10320RB	RDC10320RB	A	32mm	4.5mm	3.66	3.05	2.75	2.44

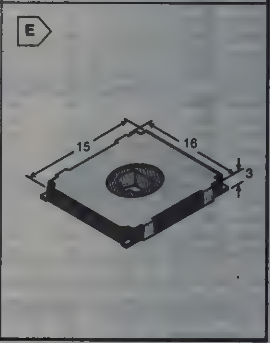
DIMENSIONS: mm











ALPS RDC50 SERIES ROTARY POSITION SENSORS

Specifications:
- Operating life: 1,000,000 cycles
- Total resistance: 10KW ± 30%
- Rated voltage: 5 VDC
- Linearity: ± 2%
- Effective variable range: 320°

Applications:
- Rotation detecting sensors in projectors, digital cameras, air conditioners
- Joint angle detection in robots

Features:
- Analog output facilitates signal processing

Model w/ optional gear: Gear provided w/ product and is delivered unmounted.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Alps Part No.	Fig.	Hollow Shaft Variation	Optional Gear	Price Each				Reel Qty.	Reel Qty. Price Ea.
					1	25	50	100		
688-RDC503013A	RDC503013A	B	ø3.5 mm	No	2.18	1.82	1.63	1.45	1300	1.09
688-RDC503015A	RDC503015A	C	ø3.5 mm w/ radius	Yes	2.18	1.82	1.63	1.45	1300	1.09
688-RDC506002A	RDC506002A	D	ø4 mm	No	2.60	2.16	1.95	1.73	1200	1.30

ALPS RDC80 SERIES 15MM ROTARY POSITION SENSORS

Specifications:
- Operating life: 100,000 cycles
- Total resistance: 10KW ± 30%
- Rated voltage: 5 VDC
- Linearity: ± 3% (absolute)

Applications:
- Detection of rotation angles
- Control of home appliances

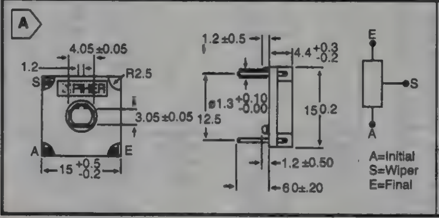
Features:
- Entire 360 degrees covered due to use of 2-phase output

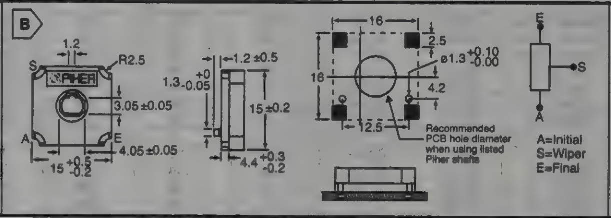
For quantities greater than listed, call for quote.

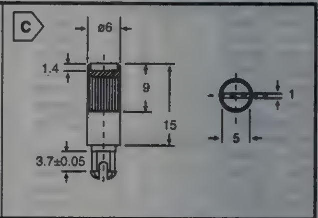
MOUSER STOCK NO.	Alps Part No.	Fig.	Effective Variable Range		Price Each				Reel Qty.	Reel Qty. Price Ea.
			Phase 1	Phase 2	1	25	50	100		
688-RDC803001A	RDC803001A	E	330°	360°	1.82	1.52	1.37	1.21	3200	.91

PIHER 15MM CARBON POSITION SENSORS

Here is Piher's "revolutionary" answer to the majority of Multi-Purpose Control and Rotary Sensor design problems which were un-resolvable until now. The N15 series offers you full endless rotation, 340° ± 10° wide electrical angle, SMD or through-hole mount, extended working temperature range of -40°C to +120°C plus a whole series of customization possibilities making it the most flexible product on the market. The N15 is ideal for Appliance and Automotive Control and Sensor applications.







DIMENSIONS (mm)

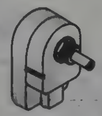
Specifications:
- Resistance Values: 5K, 10K, 100K
- Tolerance: ±30%
- Nominal Power: 0.15W @ 50°C
- Linearity (absolute): ±3%
- Taper: Linear
- Mechanical Life: 100,000 cycles
- Temperature Range: -40°C to +120°C
- Mechanical Angle: 360°
- Electrical Angle 340° ± 10°
- Rotational Torque: ≤ 20 mN.m
- Max. Voltage: 250 VDC

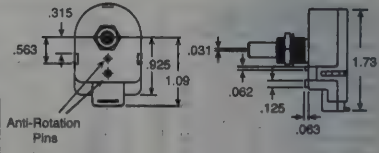
Features:
- Conceived and designed to be customized
- SMD or Through-hole Mount
- Endless Rotation (360°)
- Low Profile (4.4mm)
- Embossed tape or Bulk Packaging
- Reflow Soldering Capability
- Shaft insertable from both sides
- Polarized "T" rotor (European Home Appliance Standard)

MOUSER STOCK NO.	Piher Part No.	Fig.	Price Each				
			1	25	50	100	200
Through Hole							
531-N15TV-5K	NT15TV-502A3030	A	3.75	3.12	2.81	2.50	Call for Quote
531-N15TV-10K	NT15TV-103A3030	A	2.88	2.40	2.16	1.92	
531-N15TV-100K	NT15TV-104A3030	A	2.88	2.40	2.16	1.92	
Surface Mount							
531-N15TS-5K	NT15TS-502A3030	B	2.55	2.13	1.91	1.70	Call for Quote
531-N15TS-10K	NT15TS-103A3030	B	2.55	2.13	1.91	1.70	
531-N15TS-100K	NT15TS-104A3030	B	2.55	2.13	1.91	1.70	
Shaft							
531-5219CR	5219CR	C	.19	.18	.16	.15	Call

VISHAY MODEL 601-1045 FULL 360° SMART POSITION SENSORS

The model 601-1045 represents a new generation of Smart Sensors. This unique electronic device is a self-contained package which provides an analog electrical output over a full 360° without the need for external electronics.





Environmental Specifications:
- Operating Life: 5,000,000 cycles
- Operating Temperature Range: -40°C to 70°C

MOUSER STOCK NO.	Vishay Part No.	Description	Price Each					
			1	5	10	25	50	100+
594-601-1045	601-1045-0000	Smart position sensor	60.34	55.61	48.00	45.00	41.00	Call for Quote
594-601-1056	601-1056-0000	IDC connector w/12" ribbon cable	6.78	6.26	5.59	5.14	4.99	

Pin Connection		Function
1	+5V	Supply
2	OV	
3	Output	O/P Voltage
4	Direction	Ramp Polarity

MODEL 9600 MINIATURE SPRING RETURN LINEAR MOTION POSITION SENSORS

Specifications:

- Terminal Length: 7.1 mm
- Actuation Force: 4.0 Newton's Maximum
- Linearity over Active Electrical Travel: ±2%
- Mechanical Life: 2,000,000 Full Cycles, 5,000,000 Dither Cycles

Features:

- Plastic housing and shaft
- Plated brass eyelet style terminals
- 4.8mm diameter shaft

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Active Elec. Travel	Mechanical Elec. Travel	Res. 20%	Dimensions (mm)				Price Each		
Mfr.	Mfr. Part No.				C	D	E	F	1	5	10
682	9605R1.7KL2.0	10 mm	14.2 mm	1.7K	26.90	7.6	5.1	20.6	65.00	32.00	25.00
682	9610R3.4KL2.0	22.8 mm	26.9 mm	3.4K	39.60	12.7	12.7	33.3	65.00	32.00	25.00
682	9615R5.1KL2.0	35.6 mm	39.6 mm	5.1K	52.30	20.3	17.8	46.0	65.00	32.00	25.00

MODEL 600 LINEAR MOTION POSITION SENSORS

Specifications:

- Power Rating at 70°C: 0.25 Watts
- Output Smoothness: 0.1%
- Resolution: Infinite
- Dielectric Strength: 500 VDC
- Actuation Force: 2 oz. (0.56 Newtons) max.
- Repeatability: Within 0.0005 in. (0.013)
- Mechanical Life: 10,000,000 Cycles
- Temperature Range: -55°C to +125°C

Supplied with #28 AWG Teflon insulated wire 12 inches in length. **For quantities of 25 and up, call for quote.**

MOUSER STOCK NO.		Active Elec. Travel	Mechanical Elec. Travel	Res. 20%	(A) Case Dim.	Price Each		
Mfr.	Mfr. Part No.					1	5	10
682	601R1KL.7	23 mm	28 mm	1K	57 mm	254.18	222.95	184.73
682	602R2KL.35	48 mm	53 mm	2K	89 mm	263.20	230.88	191.30
682	603R3KL.25	74 mm	79 mm	3K	114 mm	271.10	237.81	197.04
682	604R4KL.15	99 mm	104 mm	4K	140 mm	282.39	247.72	205.26
682	606R6KL.12	150 mm	155 mm	6K	190 mm	310.67	272.51	225.79
682	610R10KL.09	251 mm	257 mm	10K	292 mm	338.88	297.28	246.31
682	612R12KL.08	302 mm	307 mm	12K	343 mm	409.50	358.66	297.17

MODEL 9800 THROTTLE POSITION AND INDUSTRIAL CONTROL SENSORS

Specifications:

- Power Rating at 70°C: 0.15 Watts
- Linearity over Active Electrical Rotation: ±2%
- Mechanical Life: 1,000,000 Full Cycles, 5,000,000 Dither Cycles

Features:

- High temperature plastic housing
- Sealed for harsh environments
- Spring return

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Active Elec. Rotation	Mech. Rotation	Res. 20%	Rotation Direction	Output	No. of Pins	Price Each		
Mfr.	Mfr. Part No.							1	5	10
682	9805R5KL2.0	85	120	5K	CW	Single	3	45.00	38.00	35.00
682	9806R5KL2.0	85	120	5K	CCW	Single	3	45.00	38.00	35.00
682	9811R5KL2.0	85	120	5K	CW	Single	3	40.50	34.20	31.50
682	9812R5KL2.0	85	120	5K	CCW	Single	3	40.50	34.20	31.50

MODEL 9850 9860 SINGLE AND DUAL OUTPUT-LOW-PROFILE-PRECISION ROTARY SENSOR MODULES

Specifications:

- Power Rating at 70°C: 0.15 Watts
- Linearity over Active Electrical Rotation: ±2%
- Mechanical Life: 1,000,000 Full Cycles, 5,000,000 Dither Cycles

Features:

- High temperature plastic housing
- Sealed for harsh environments
- Spring return

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Active Elec. Rotation	Mech. Rotation	Res. 20%	Rotation Direction	Output	No. of Pins	Price Each		
Mfr.	Mfr. Part No.							1	5	10
682	9851R5KL2.0	85	120	5K	CW	Single	3	37.69	31.83	29.31
682	9852R5KL2.0	85	120	5K	CCW	Single	3	37.69	31.83	29.31
682	9855R5KL2.0	130	180	5K	CW	Single	3	38.25	32.30	29.75
682	9856R5KL2.0	130	180	5K	CCW	Single	3	38.25	32.30	29.75
682	9861R5KL2.0	85	120	5K	CW	Dual	6	58.50	49.40	45.50
682	9862R5KL2.0	85	120	5K	CCW	Dual	6	58.50	49.40	45.50

MODEL 9900 DUAL OUTPUT HALL EFFECT SENSORS

Specifications:

- Resolution: Analog (continuous)
- Temperature Range: -40°C to +85°C
- Rotational Life: 10 Million

Features:

- Rotating magnet / fixed sensor configuration provides improved accuracy and reliability
- Two independent outputs for redundancy
- Fully programmable outputs; programmable offset, gain, slope, and temperature compensation

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Active Elec. Rotation	Mech. Rotation	Rotation Direction	Output	No. of Pins	Price Each		
Mfr.	Mfr. Part No.						1	5	10
682	9902090CW	90	180	CW	Dual	6	54.00	45.61	42.00

HARNESS ASSEMBLIES

Assemblies for models 9900 (6pin) and 9850 (3 and 6 pin).

Specifications:

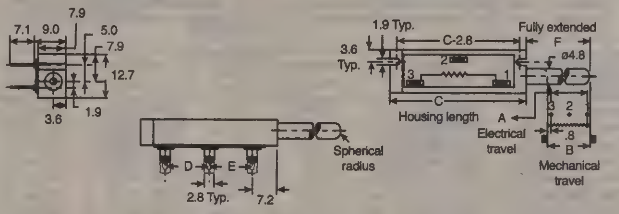
- Overall length is 12"
- Lead length is 11" ± .5"

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Description	Lead Length	No. of Pins	Price Each		
Mfr.	Mfr. Part No.				1	5	10
682	1-172	Harness Assembly	11"	3	11.61	9.80	9.03
682	1-173	Harness Assembly	11"	6	21.42	18.09	16.66

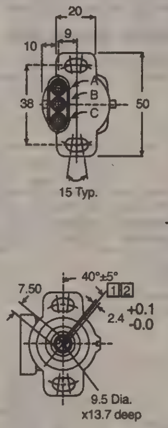
DIMENSIONS: mm

Model 9600

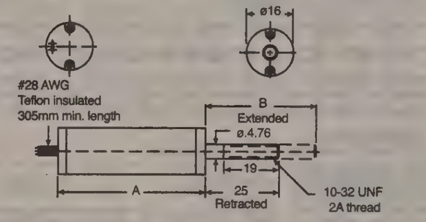

7.9
7.1
9.0
5.0
7.9
12.7
3.6
1.9
D
E
2.8 Typ.
7.2
Spherical radius
1.9 Typ.
C-2.8
Fully extended
F
3.6 Typ.
ø4.8
2
3
1
C
Housing length
A
Electrical travel
3
2
.8
B
Mechanical travel

Tolerances unless otherwise specified: 0.8

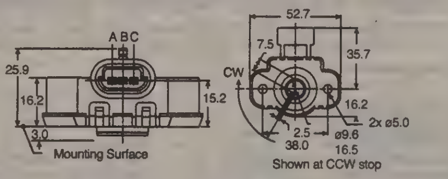
Models 9805/9806


20
9
10
38
A
B
C
50
15 Typ.
40°±5°
7.50
1 2
2.4 +0.1 -0.0
9.5 Dia. x13.7 deep

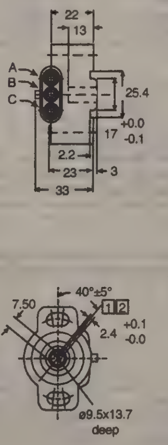
Model 600


ø16
#28 AWG Teflon insulated 305mm min. length
B
Extended
ø.4.76
19
A
25
Retracted
10-32 UNF 2A thread

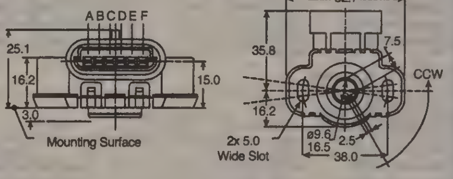
Model 9850
Single Output


A B C
25.9
16.2
15.2
3.0
Mounting Surface
52.7
7.5
35.7
CW
16.2
2x ø5.0
2.5
38.0
ø9.6
16.5
Shown at CCW stop

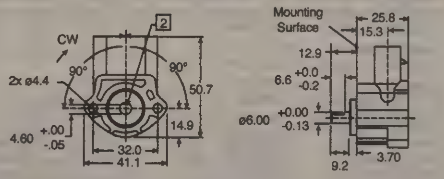
Models 9811/9812

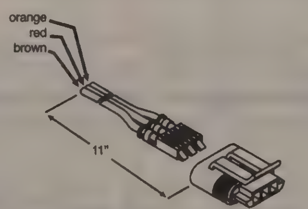

22
13
A
B
C
25.4
17 +0.0 -0.1
2.2
23
3
33
40°±5°
7.50
1 2
2.4 +0.1 -0.0
ø9.5x13.7 deep

Model 9860
Dual Output

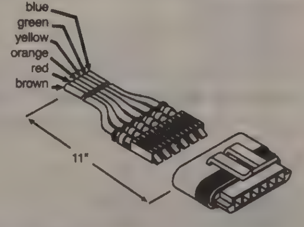

A B C D E F
25.1
16.2
15.0
3.0
Mounting Surface
52.7
35.8
7.5
CCW
16.2
2x 5.0 Wide Slot
ø9.6
16.5
2.5
38.0
Shown at CW stop

Model 9900


CW
2
90°
90°
2x ø4.4
50.7
14.9
4.60 +.00 -.05
32.0
41.1
Mounting Surface
25.8
15.3
12.9
6.6 +0.0 -0.2
ø6.00 +0.00 -0.13
9.2
3.70


orange
red
brown
11"

Sold as Assembly


blue
green
yellow
orange
red
brown
11"

Sold as Assembly

CHERRY Hall Effect Speed and Proximity Sensors

CHERRY DS SERIES SOLID STATE HALL EFFECT SENSORS

Features:
- Fits mounting dimensions of popular snap-action switches
- Tested to over 110 million operations
- High ratio and standard ration actuator position
- Available with lever, roller and simulated roller actuators
- Solid state sinking output using Hall effect technology
- UL Recognized

Specifications:
- Supply current: 15A
- Output type: Sink
- Output current: 20mA max.
- Operating temperature: -40°C to 85°C
- Storage temperature: -40°C to 150°C

Applications:
- Pedal position sensing
- Door/lid interlock
- Joystick position sensing
- End-of-travel sensing

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Pretravel (Max.)	Operating Force (Max.)	Oper. Point In. (mm)	Overtravel (Min.)	Actuator Type	Price Each	
								1	50
540-DS1101AA	DS1101AA	A	.06 in.	84 g	.58 (14.7)	.04 in.	Pin Plunger	5.40	4.32
540-DS1101JA	DS1101JA	A	.08 in.	84 g	.60 (15.2)	.04 in.	Straight Lever .863"	5.90	4.72
540-DS1101KA	DS1101KA	A	.14 in.	53 g	.60 (15.2)	.07 in.	Straight Lever 1.04"	5.90	4.72
540-DS1101JD	DS1101JD	A	.17 in.	43 g	.60 (15.2)	.08 in.	Straight Lever 1.40"	6.03	4.82
540-DS1101KD	DS1101KD	A	.28 in.	26 g	.60 (15.2)	.14 in.	Straight Lever 1.58"	6.03	4.82
540-DS1101JJ	DS1101JJ	A	.32 in.	23 g	.60 (15.2)	.16 in.	Straight Lever 2.34"	6.00	4.80
540-DS1101KJ	DS1101KJ	A	.53 in.	14 g	.60 (15.2)	.27 in.	Straight Lever 2.52"	6.00	4.80
540-DS1101RA	DS1101RA	A	.07 in.	99 g	.81 (20.5)	.04 in.	Roller Lever .81"	6.03	4.82
540-DS1101TA	DS1101TA	A	.12 in.	59 g	.81 (20.5)	.06 in.	Roller Lever .99"	6.03	4.82
540-DS1101SC	DS1101SC	A	.15 in.	48 g	.73 (18.5)	.07 in.	Simulated Roller Lever 1.29"	5.90	4.72
540-DS1101UC	DS1101UC	A	.25 in.	29 g	.73 (18.5)	.12 in.	Simulated Roller Lever 1.47"	5.90	4.72
571-1022411	102241-1	AMP connector for DS series sensors						.27	.24

*Sensor requires the use of an external pull-up resistor the value of which is dependent on the supply voltage.

CHERRY SOLID STATE MAGNETIC PROXIMITY SENSORS

Packaged Hall Effect magnetic proximity sensors are ready to use, requiring only an external pull-up resistor. All are three-wire devices with sinking output compatible with any logic family. These sensors are operated by approaching magnet. These solid state devices have virtually unlimited life and are resistant to dirt, moisture, etc.

Specifications:
- Operating Temperature Range: -40°C to +85°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Supply Voltage	Supply Current Max.	Output Voltage Max.	Price Each			
							1	50	100	250
540-MP100701	MP100701	B	Threaded barrel magnetic proximity	4.75-24 VDC	16 mA	0.7 VDC	22.63	18.10	14.93	13.58
540-MP101301	MP101301	C	Molded snap-fit magnetic proximity	4.75-24 VDC	9 mA	0.4 VDC	5.63	4.50	3.71	3.38
540-MP102103	MP102103	D	Flange mount magnetic proximity	4.50-24 VDC	12 mA	0.5 VDC	6.65	5.32	4.39	3.99

CHERRY MAGNETIC PROXIMITY SENSORS

The Cherry reed sensor is an omnipolar, magnetically activated switch. These sensors consume zero power and are hermetically sealed for resistance against moisture and dirt. All sensors include 12" PVC-insulated flying leads.

Specifications:
- Operating Temperature Range: -40°C to +105°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Switching Voltage Max.	Switching Current Max.	Price Each			
						1	50	100	250
540-MP201701	MP201701	E	SPST-N/O smooth barrel	100 VDC	0.5 A	2.93	2.34	1.93	1.76
540-MP201702	MP201702	E	SPST-N/C smooth barrel	30 VDC	0.2 A	4.88	3.90	3.22	2.93
540-MP201703	MP201703	E	SPDT-C/O smooth barrel	30 VDC	0.2 A	5.48	4.38	3.61	3.29
540-MP201801	MP201801	F	SPST-N/O miniature flange mount	100 VDC	0.5 A	3.20	2.56	2.11	1.92
540-MP201802	MP201802	F	SPST-N/C miniature flange mount	30 VDC	0.2 A	4.93	3.94	3.25	2.96
540-MP201901	MP201901	G	SPST-N/O flange mount	100 VDC	0.5 A	3.33	2.66	2.19	2.00
540-MP201902	MP201902	G	SPST-N/C flange mount	30 VDC	0.2 A	4.98	3.98	3.28	2.99
540-MP201903	MP201903	G	SPDT-C/O flange mount	30 VDC	0.2 A	5.50	4.40	3.63	3.30
540-MP200701	MP200701	H	SPST-N/O threaded barrel	100 VDC	0.5 A	9.38	7.50	6.19	5.63

Actuator Magnets

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Price Each			
				1	50	100	250
540-AS101001	AS101001	I	Magnet Stud-South Pole	4.75	3.80	3.14	2.85
540-AS201701	AS201701	J	Magnet Actuates Sensor MP2017 at .150"	2.75	2.20	1.82	1.65
540-AS201801	AS201801	K	Magnet Actuates Sensor MP2018 at .250"	2.88	2.30	1.90	1.73
540-AS201901	AS201901	L	Magnet Actuates Sensor MP2019 at .400"	3.13	2.50	2.06	1.88

CHERRY SOLID STATE SPEED SENSORS

These magnetically-biased Hall Effect devices sense the rotation of a ferrous target, such as a geartooth, or sprocket. They offer high speed and near-zero speed sensing capability. All have current sinking output. All but GS100701 provide additional circuit protection for immunity against electrical interference. M12 Integral connector meets IEC60947-5-2

Specifications:
- Operating Temperature Range: -40°C to +105°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Supply Voltage	Supply Current Max.	Output Voltage Max.	Price Each			
							1	50	100	250
540-GS100502	GS100502	M	M12-1 aluminum barrel	4.5-24 VDC	6 mA	0.4 VDC	28.55	22.84	18.84	17.13
540-GS100701	GS100701	B	15/32" aluminum barrel	4.5-24 VDC	6 mA	0.4 VDC	28.00	22.40	18.48	16.80
540-GS101202	GS101202	N	Flange mount plastic barrel	5.0-24 VDC	6 mA	0.4 VDC	29.90	23.92	19.73	17.94

CHERRY VANE SENSORS

Magnetically-activated digital vane switch in a rugged, overmolded plastic housing with three pins or 3 individual wires. Immune from moisture and dust, they are reliable and repeatable, with no mechanical contacts to wear out. Compatible with all logic families.

Specifications:
- Operating Temperature Range: -40°C to +85°C

For quantities of 500 and up, call for quote.

540-VN101501	VN101501	O	Molded vane sensor	4.50-24 VDC	6 mA	0.4 VDC	6.18	4.94	4.08	3.71
540-VN101503	VN101503	O	Vane sensor with 5.9" flying leads	4.50-24 VDC	6 mA	0.4 VDC	6.75	5.40	4.46	4.05

CHERRY INTRINSICALLY LINEAR ANGULAR POSITION SENSOR

The Intrinsically Linear Angular Position Sensor (ILAPS™) uses Cherry's patent-pending non-contact design to achieve linear output from 5 to 90 degrees of rotation. With no contacts to wear out, it is not vulnerable to dither, and life is tested to over 10 million operations.

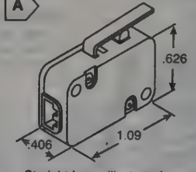
Specifications:
- Operating Temperature Range: -40°C to +85°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Cherry Part No.	Fig.	Description	Input Voltage	Input Current Max.	Output Linearity	Price Each			
							1	50	100	250
540-AN101101	AN101101	P	Angular Position Sensor	5.0vdc ±10%	10mA @5vdc	±2.0%	31.88	25.50	21.04	19.13

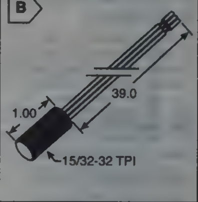
DIMENSIONS: In.

A

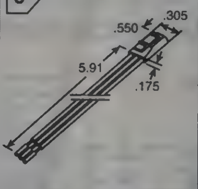


Straight Lever illustrated

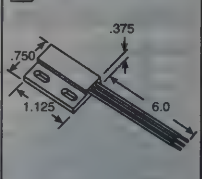
B



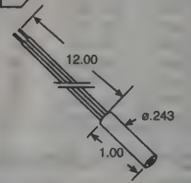
C



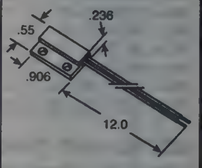
D



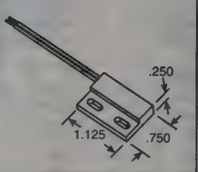
E



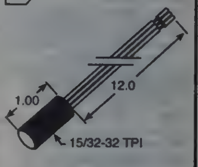
F



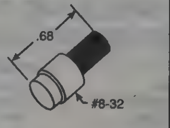
G



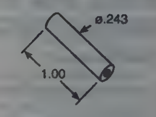
H



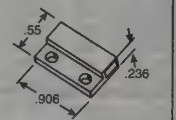
I



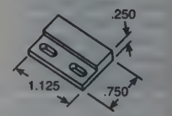
J



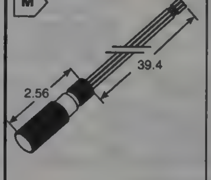
K



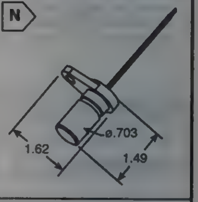
L



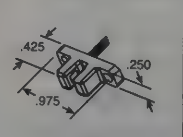
M



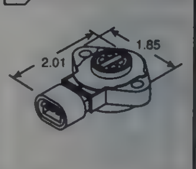
N



O



P



OMRON E2A SERIES: EXTENDED RANGED DC 3-WIRE PROXIMITY SENSORS

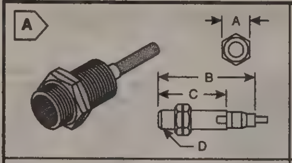
(For connectors see Phoenix Contact M8/M12 Connectors page.)

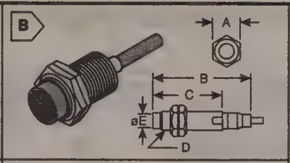
Specifications:
- Operation with sensing object approaching: NO
- Supply voltage: 12-24 VDC
- Sensing object: Ferrous metal
  (Sensing distance decreases with non-ferrous metal)
- Differential travel (Hysteresis) : 10% max. of sensing distance
- Indicators: Operation indicator (yellow LED)
- Pre-wired versions have 2 meters of 3-conductor cable (6.56 ft.)

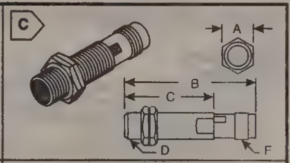
Features:
- Ensures a sensing distance 1.5-2 times longer than standard proximity sensors
- Minimizes collisions
- Reduces the cost and frequency of proximity sensor replacement due to mechanical damage to the sensing face

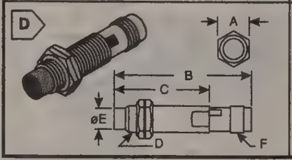
CE

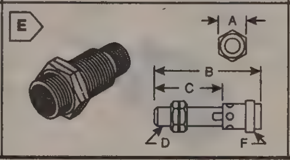
c UL us

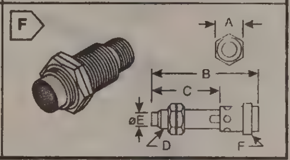












Prewired, Shielded, Nickel Plated Brass

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions: mm						Size	Output	Thread Length	Sensing Distance	Price Each		
			A	B	C	D	E	F					1	5	10
653-E2AM12KS04WPB1	E2A-M12KS04-WP-B1-2M	A	17	50.3	34	M12x1	-	-	M12	PNP	34 mm	4 mm	63.64	58.27	55.41
653-E2AM18KS08WPB1	E2A-M18KS08-WP-B1-2M	A	24	59.5	39	M18x1	-	-	M18	PNP	39 mm	8 mm	68.26	62.51	59.44
653-E2AM30KS15WPB1	E2A-M30KS15-WP-B1-2M	A	36	64.5	44	M30x1.5	-	-	M30	PNP	44 mm	15 mm	72.89	66.75	63.47
653-E2AM12LS04WPB1	E2A-M12LS04-WP-B1-2M	A	17	72.3	56	M12x1	-	-	M12	PNP	56 mm	4 mm	63.64	58.27	55.41
653-E2AM18LS08WPB1	E2A-M18LS08-WP-B1-2M	A	24	81.5	61	M18x1	-	-	M18	PNP	61 mm	8 mm	68.26	62.51	59.44
653-E2AM30LS15WPB1	E2A-M30LS15-WP-B1-2M	A	36	86.5	66	M30x1.5	-	-	M30	PNP	66 mm	15 mm	72.89	66.75	63.47

Prewired, Shielded, Stainless Steel

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions: mm						Size	Output	Thread Length	Sensing Distance	Price Each		
			A	B	C	D	E	F					1	5	10
653-E2AS08KS02WPB1	E2A-S08KS02-WP-B1-2M	A	13	40	27	M8x1	-	-	M8	PNP	27 mm	2 mm	63.64	58.27	55.41
653-E2AS08KS02WPC1	E2A-S08KS02-WP-C1-2M	A	13	40	27	M8x1	-	-	M8	NPN	27 mm	2 mm	63.64	58.27	55.41
653-E2AS08LS02WPB1	E2A-S08LS02-WP-B1-2M	A	13	62	49	M8x1	-	-	M8	PNP	49 mm	2 mm	63.64	58.27	55.41
653-E2AS08LS02WPC1	E2A-S08LS02-WP-C1-2M	A	13	62	49	M8x1	-	-	M8	NPN	49 mm	2 mm	63.64	58.27	55.41

Prewired, Unshielded, Nickel Plated Brass

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions: mm						Size	Output	Thread Length	Sensing Distance	Price Each		
			A	B	C	D	E	F					1	5	10
653-E2AM12KN08WPB1	E2A-M12KN08-WP-B1-2M	B	17	50.3	34	M12x1	9.2	-	M12	PNP	34 mm	8 mm	63.64	58.27	55.41
653-E2AM18KN16WPB1	E2A-M18KN16-WP-B1-2M	B	24	59.5	39	M18x1	9.2	-	M18	PNP	39 mm	16 mm	68.26	62.51	59.44
653-E2AM12LN08WPB1	E2A-M12LN08-WP-B1-2M	B	17	72.3	56	M12x1	9.2	-	M12	PNP	56 mm	8 mm	63.64	58.27	55.41
653-E2AM18LN16WPB1	E2A-M18LN16-WP-B1-2M	B	24	81.5	61	M18x1	15.1	-	M18	PNP	61 mm	16 mm	68.26	62.51	59.44
653-E2AM30LN30WPB1	E2A-M30LN30-WP-B1-2M	B	36	86.5	66	M30x1.5	26.4	-	M30	PNP	66 mm	30 mm	72.89	66.75	63.47

Prewired, Unshielded, Stainless Steel

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions: mm						Size	Output	Thread Length	Sensing Distance	Price Each		
			A	B	C	D	E	F					1	5	10
653-E2AS08KN04WPB1	E2A-S08KN04-WP-B1-2M	B	13	40	27	M8x1	5.8	-	M8	PNP	27 mm	4 mm	63.64	58.27	55.41
653-E2AS08LN04WPB1	E2A-S08LN04-WP-B1-2M	B	13	62	49	M8x1	5.8	-	M8	PNP	49 mm	4 mm	63.64	58.27	55.41

M8 Connector, Shielded, Stainless Steel

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions: mm						Size	Output	Thread Length	Sensing Distance	Price Each		
			A	B	C	D	E	F					1	5	10
653-E2AM08KS02M5B1	E2A-S08KS02-M5-B1	C	13	30	27	M8x1	-	M8x1	M8	PNP	27 mm	2 mm	65.95	60.39	57.43
653-E2AM08LS02M5B1	E2A-S08LS02-M5-B1	C	13	61	49	M8x1	-	M8x1	M8	PNP	49 mm	2 mm	65.95	60.39	57.43

M8 Connector, Unshielded, Stainless Steel

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions: mm						Size	Output	Thread Length	Sensing Distance	Price Each		
			A	B	C	D	E	F					1	5	10
653-E2AS08KN04M5B1	E2A-S08KN04-M5-B1	D	13	30	27	M8x1	5.8	M8x1	M8	PNP	27 mm	4 mm	65.95	60.39	57.43
653-E2AS08LN04M5B1	E2A-S08LN04-M5-B1	D	13	61	49	M8x1	5.8	M8x1	M8	PNP	49 mm	4 mm	65.95	60.39	57.43

M12 Connector, Shielded, Nickel Plated Brass

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions: mm						Size	Output	Thread Length	Sensing Distance	Price Each		
			A	B	C	D	E	F					1	5	10
653-E2AM08KS02M1B1	E2A-M08KS02-M1-B1	E	13	43	27	M8x1	-	M8x1	M8	PNP	27 mm	2 mm	63.64	58.27	55.41
653-E2AM08LS02M1B1	E2A-M08LS02-M1-B1	E	13	65	40	M8x1	-	M12x1	M8	PNP	49 mm	2 mm	65.95	60.39	57.43
653-E2AM12KS04M1B1	E2A-M12KS04-M1-B1	E	17	48	34	M12x1	-	M12x1	M12	PNP	34 mm	4 mm	65.95	60.39	57.43
653-E2AM12LS04M1B1	E2A-M12LS04-M1-B1	E	17	70	50	M12x1	-	M12x1	M12	PNP	56 mm	4 mm	65.95	60.39	57.43
653-E2AM18KS08M1B1	E2A-M18KS08-M1-B1	E	24	53	39	M18x1	-	M12x1	M18	PNP	39 mm	8 mm	70.58	64.63	61.46
653-E2AM18LS08M1B1	E2A-M18LS08-M1-B1	E	27	75	61	M18x1	-	M12x1	M18	PNP	61 mm	8 mm	70.58	64.63	61.46
653-E2AM30KS15M1B1	E2A-M30KS15-M1-B1	E	36	58	44	M30x1.5	-	M12x1	M30	PNP	44 mm	15 mm	78.68	72.05	68.51
653-E2AM30LS15M1B1	E2A-M30LS15-M1-B1	E	36	80	66	M30x1.5	-	M12x1	M30	PNP	66 mm	15 mm	78.68	72.05	68.51

M12 Connector, Unshielded, Nickel Plated Brass

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions: mm						Size	Output	Thread Length	Sensing Distance	Price Each		
			A	B	C	D	E	F					1	5	10
653-E2AM08KN04M1B1	E2A-M08KN04-M1-B1	F	13	43	27	M8x1	5.8	M12x1	M8	PNP	27 mm	4 mm	63.64	58.27	55.41
653-E2AM08LN04M1B1	E2A-M08LN04-M1-B1	F	13	65	40	M8x1	5.8	M12x1	M8	PNP	49 mm	4 mm	65.95	60.39	57.43
653-E2AM12KN08M1B1	E2A-M12KN08-M1-B1	F	17	48	34	M12x1	9.4	M12x1	M12	PNP	34 mm	8 mm	65.95	60.39	57.43
653-E2AM12LN08M1B1	E2A-M12LN08-M1-B1	F	17	48	34	M12x1	9.2	M12x1	M12	PNP	56 mm	8 mm	65.95	60.39	57.43
653-E2AM18KN16M1B1	E2A-M18KN16-M1-B1	F	24	53	39	M18x1	15.3	M12x1	M18	PNP	39 mm	16 mm	70.58	64.63	61.46
653-E2AM18LN16M1B1	E2A-M18LN16-M1-B1	F	24	75	61	M18x1	15.1	M12x1	M18	PNP	61 mm	16 mm	70.58	64.63	61.46
653-E2AM30LN30M1B1	E2A-M30LN30-M1-B1	F	36	80	66	M30x1.5	26.6	M12x1	M30	PNP	66 mm	30 mm	78.68	72.05	68.51

OMRON Proximity Sensors

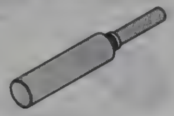
OMRON
INDUSTRIAL AUTOMATION

OMRON E2E SERIES: SHORT BARREL INDUCTIVE PROXIMITY SENSORS

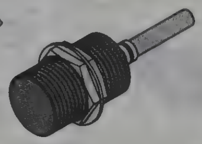
Specifications:
- Shielded type
- Supply voltage: 3-Wire miniature sensors -10 - 30 VDC
  3-Wire and 2-Wire standard sensors: 12 - 24 VDC
  2-Wire AC sensors: 249-240 VAC
- Sensing material: Magnetic metals
- Housing materials: Stainless steel (SS), nickel-plated brass (NPB), brass

Features:
- High visibility indicator
- NEMA 1, 3, 4, 6, 12, 13, and IP67 enclosure rating for miniature sensors
- NEMA 1, 4, 6, 12, 13, and IP67 enclosure rating forstandard sensors
- Pre-wired with 2m cable

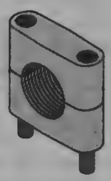
A



B



C



Mounting Bracket

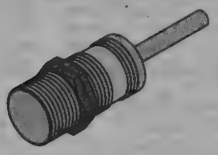
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Barrel Size	Sensing Distance	Output	Housing Material	Price Each 1	Price Each 5	Price Each 10
3-Wire DC Pre-wired Miniature Sensors									
653-E2E-CR8B1	E2E-CR8B1	A	ø4 mm	0.8 mm	PNP-NO	SS	88.58	85.57	82.91
653-E2E-CR8C1	E2E-CR8C1	A	ø4 mm	0.8 mm	NPN-NO	SS	88.58	85.57	82.91
653-E2E-C1C1	E2E-C1C1	A	ø5.4 mm	1 mm	NPN-NO	NPB	85.72	78.50	74.65
653-E2E-X1B1	E2E-X1B1	B	M5	1 mm	PNP-NO	NPB	86.00	83.08	80.50
653-E2E-X1C1	E2E-X1C1	B	M5	1 mm	NPN-NO	NPB	86.00	83.08	80.50
Accessories			Description				1	25	50
653-Y92E-B8	Y92E-B8	C	Mounting bracket - fits M8 size sensors				3.47	3.18	3.02
653-Y92E-B12	Y92E-B12	C	Mounting bracket - fits M12 size sensors				3.47	3.18	3.02
653-Y92E-B18	Y92E-B18	C	Mounting bracket - fits M18 size sensors				2.60	2.51	2.43

OMRON E2FM SERIES: HIGHLY DURABLE PROXIMITY SENSORS FOR TOUGH ENVIRONMENTS

Specifications:
- Supply voltage: 12-24 VDC
- Sensing material: Ferrous metal

Features:
- One piece all stainless housing
- Flush mounting
- Pigtail connector



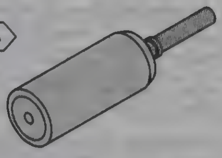
NEW FROM SUPPLIER

For quantities of 20 and up, call for quote.

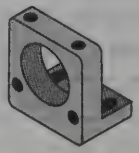
MOUSER STOCK NO.	Omron Part No.	Barrel Size	Sensing Distance	Output	Pin Allocation	Price Each 1	Price Each 5	Price Each 10
653-E2FMX1R5D1M1GJ	E2FM-X1R5D1-M1GJ 03M	M8	1.5 mm	Polarity	1-4	120.00	115.44	110.76
653-E2FMX2D1M1GJ	E2FM-X2D1-M1GJ 03M	M12	2 mm	Polarity	1-4	110.00	105.82	101.53
653-E2FMX2D1M1GJT	E2FM-X2D1-M1GJ-T 03M	M12	2 mm	No Polarity	3-4	105.00	101.01	96.92
653-E2FMX5D1M1GJ	E2FM-X5D1-M1GJ 03M	M18	5 mm	Polarity	1-4	125.00	120.25	115.38
653-E2FMX5D1M1GJT	E2FM-X5D1-M1GJ-T 03M	M18	5 mm	No Polarity	3-4	115.00	110.63	106.15

OMRON E2K-C SERIES: ADJUSTABLE CAPACITIVE SENSORS

A



B



Mounting Bracket

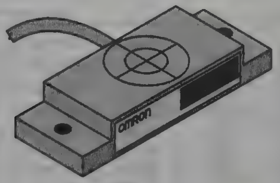
Specifications:
- Unshielded type
- Enclosure ratings: UL - 1; NEMA - 1, 4, 12, 13;
  IEC 144-IP67
- Pre-wired with 2m of cable
- Barrel size: 34mm

Features:
- Adjustable sensing distance
- Non-contact detection of metallic and non-metallic objects
- Indirect detection of materials inside non-metallic containers
- Mounting bracket included

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Supply Voltage	Barrel Size	Sensing Distance	Output	Price Each 1	Price Each 10	Price Each 25
DC Switching Type									
653-E2K-C25ME1	E2K-C25ME1	A	10 - 40 VDC	34 mm	3-25 mm	NPN-NO	129.78	125.37	121.47
653-E2K-C25ME2	E2K-C25ME2	A	10 - 40 VDC	34 mm	3-25 mm	NPN-NC	129.78	125.37	121.47
AC Switching Type									
653-E2K-C25MY1	E2K-C25MY1	A	90 - 250 VAC	34 mm	3-25 mm	SCR-NO	167.58	161.88	156.85
653-E2K-C25MY2	E2K-C25MY2	A	90 - 250 VAC	34 mm	3-25 mm	SCR-NC	129.78	125.37	121.47
Accessories			Description				1	10	25
653-Y92E-A34	Y92E-A34	B	Mounting bracket for E2K-C				5.73	5.25	4.99

OMRON E2K-F SERIES: FLAT-PACK CAPACITIVE PROXIMITY SENSORS



Specifications:
- Unshielded type
- Supply voltage: 10-30 VDC
- Current consumption: 10mA max.
- Differential travel: 15% max. of sensing distance
- Indicators: Target present (red LED)
- Pre-wired with 2 meters of 3-conductor cable (6.56 ft.)

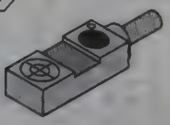
Features:
- Fits space-confined installations
- Non-contact detection of metallic and non-metallic targets including water, oil, glass, plastic, and wood
- Detects level inside non-metallic containers
- Thin plastic body ideal for conveyor wall mounting
- Built-in DC amplifier provides NPN switching of loads to 100mA

For quantities of 20 and up, call for quote.

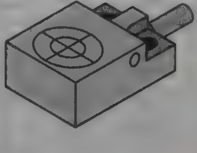
MOUSER STOCK NO.	Omron Part No.	Dimensions L x W x H (mm)	Sensing Distance	Output	Price Each 1	Price Each 5	Price Each 10
653-E2K-F10MC1	E2K-F10MC1	50 x 20 x 10	10 mm	NPN-NO	84.01	76.93	73.15
653-E2K-F10MC2	E2K-F10MC2	50 x 20 x 10	10 mm	NPN-NO	84.01	76.93	73.15

OMRON TL-W SERIES: MINIATURE FLAT-PACK INDUCTIVE PROXIMITY SENSORS

A



B



Specifications:
- Unshielded type
- Pre-wired with 3-conductor 2m length of cable
- Body material: ABS plastic
- Supply voltage: 10-30 VDC

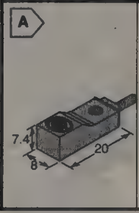
Features:
- Space-saving mounting area ideal for conveyor wall mounting
- Watertight construction conforms to IP67
- Enclosure rating: NEMA - 1, 2, 3, 4X, 6, 12, 13

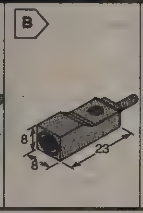
For quantities of 20 and up, call for quote.

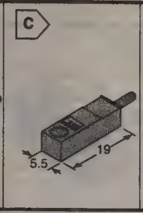
MOUSER STOCK NO.	Omron Part No.	Fig.	Dimensions L x W x H (mm)	Sensing Distance	Output	Price Each 1	Price Each 5	Price Each 10
653-TL-W3MB1	TL-W3MB1	A	27 x 10 x 6	3 mm	PNP-NO	56.57	51.80	49.26
653-TL-W3MC1	TL-W3MC1	A	27 x 10 x 6	3 mm	NPN-NO	56.75	54.82	53.12
653-TL-W5MB1	TL-W5MB1	B	30.5 x 18 x 10	5 mm	PNP-NO	48.50	46.85	45.40
653-TL-W5MC1	TL-W5MC1	B	30.5 x 18 x 10	5 mm	NPN-NO	48.50	46.85	45.40

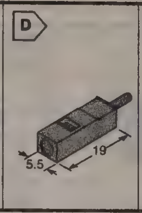
OMRON Proximity and Photoelectric Sensors

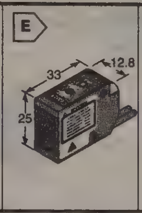
OMRON
INDUSTRIAL AUTOMATION

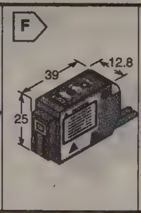


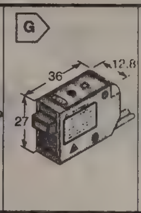


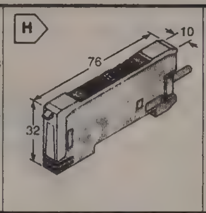


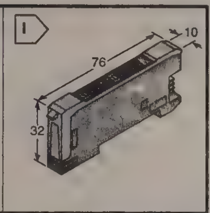












DIMENSIONS: mm

OMRON E2S SERIES SUBMINIATURE INDUCTIVE PROXIMITY SENSORS

Specifications:
- Supply voltage: 12-24 VDC
- Detectable object type: Ferrous metal
- Response frequency: 1kHz min.
- Pre-wired with 1M cable

Features:
- World's smallest square sensor with built-in amplifier
- High response frequency for fast machine processes
- Mounting bracket supplied

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Distance	Setting Distance	Output Configuration	Sensing Surface	Indicator	Price Each		
								1	5	10
653-E2S-W21-1M	E2S-W21-1M	A	2.5 mm	0-1.9 mm	DC 2-Wire NO	Front face	Operation (red), Setting (green)	47.96	43.92	41.76
653-E2S-Q21-1M	E2S-Q21-1M	B	2.5 mm	0-1.9 mm	DC 2-Wire NO	End face	Operation (red), Setting (green)	47.96	43.92	41.76
653-E2S-W13-1M	E2S-W13-1M	C	1.6 mm	0-1.2 mm	DC 3-Wire NPN NO	Front face	Operation (orange)	41.11	37.64	35.80
653-E2S-Q13-1M	E2S-Q13-1M	D	1.6 mm	0-1.2 mm	DC 3-Wire NPN NO	End face	Operation (orange)	41.11	37.64	35.80
653-E2S-W23-1M	E2S-W23-1M	A	2.5 mm	0-1.9 mm	DC 3-Wire NPN NO	Front face	Operation (orange)	41.11	37.64	35.80
653-E2S-Q23-1M	E2S-Q23-1M	B	2.5 mm	0-1.9 mm	DC 3-Wire NPN NO	End face	Operation (orange)	43.49	39.83	37.87
653-E2S-W15-1M	E2S-W15-1M	C	1.6 mm	0-1.2 mm	DC 3-Wire PNP NO	Front face	Operation (orange)	41.11	37.64	35.80
653-E2S-Q15-1M	E2S-Q15-1M	D	1.6 mm	0-1.2 mm	DC 3-Wire PNP NO	End face	Operation (orange)	41.11	37.64	35.80
653-E2S-W25-1M	E2S-W25-1M	A	2.5 mm	0-1.9 mm	DC 3-Wire PNP NO	Front face	Operation (orange)	41.11	37.64	35.80
653-E2S-Q25-1M	E2S-Q25-1M	B	2.5 mm	0-1.9 mm	DC 3-Wire PNP NO	End face	Operation (orange)	41.11	37.64	35.80

OMRON E3C-LDA SERIES SMART LASER BEAM PHOTOELECTRIC SENSORS

Specifications:
- Light source: Red semiconductor laser diode, 2.5 mW max.
- Indicators: LDON: green; Operation: Orange
- Amplifier supply voltage: 12-24 VDC
- Advanced amplifier unit functions: Power tuning, differential detection, timer, zero-reset initial reset, mutual interference prevention, preset counter (external input models only), and reversed display
- Advanced amplifier unit I/O settings: Output setting - Channel 2 output, area output, or self-diagnosis External input setting - teching, power tuning, zero reset, light OFF, or counter reset

Features:
- Separate digital amplifiers feature long-distance detection and installs easily
- Focusable beam-spot and optical axis adjustability for line, spot and area type laser beams is an industry first four different sensing heads that are interchangeable and are equivalent to through-beam sensors
- Smart functionality includes two outputs, power tuning functions with 1-touch programming, differential function, mutual interference prevention, and high-speed response
- Construction, speed, accuracy and reliability combine to make this photoelectric sensor series suitable for use in production processes where high precision and fast response times are vital

Sensor Heads

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Sensing Method	Focus	Sensing Distance	Beam Size	Comments	Price Each		
								1	2	5
653-E3C-LD11-2M	E3C-LD11-2M	E	Diffuse Reflective	Spot	30-700 mm	0.8 mm max.	Mount beam unit for line or area beam	371.81	340.48	323.77
653-E3C-LD21-2M	E3C-LD21-2M	F	Diffuse Reflective	Line	30-700 mm	33 mm	Consists of E39-P11 mounted to E3C-LD11	485.03	444.15	422.35
653-E3C-LD31-2M	E3C-LD31-2M	F	Diffuse Reflective	Area	30-700 mm	33 x 15 mm	Consists of E39-P21 mounted to E3C-LD11	485.03	444.15	422.35
653-E3C-LR11-2M	E3C-LR11-2M	G	Coaxial Retroreflective	Spot (var.)	5 M	0.8 mm max.	For line or area beam, mount beam unit	433.78	397.23	377.73
653-E3C-LR12-2M	E3C-LR12-2M	G	Coaxial Retroreflective	Spot (fixed)	5 M	2.0 mm dia.	- - -	430.21	393.95	374.62

Advanced Amplifier Units

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Type	Type	Connection	Functions	Price Each		
							1	2	5
653-E3C-LDA11-2M	E3C-LDA11-2M	H	Twin output	NPN	Prewired 2M Cable	Area output, self-diagnosis, differential operation	268.13	245.54	233.49
653-E3C-LDA21-2M	E3C-LDA21-2M	H	External input	NPN	Prewired 2M Cable	Remote setting, counter, differential operation	268.13	245.54	233.49
653-E3C-LDA41-2M	E3C-LDA41-2M	H	Twin output	PNP	Prewired 2M Cable	Area output, self-diagnosis, differential operation	269.33	246.63	234.53
653-E3C-LDA51-2M	E3C-LDA-51-2M	H	External input	PNP	Prewired 2M Cable	Remote setting, counter, differential operation	268.13	245.54	233.49
653-E3C-LDA6	E3C-LDA6	I	Twin output	NPN	Separate Connector	Area output, self-diagnosis, differential operation	265.75	243.36	231.41
653-E3C-LDA7	E3C-LDA7	I	External input	NPN	Separate Connector	Remote setting, counter, differential operation	264.56	242.27	230.37
653-E3C-LDA8	E3C-LDA8	I	Twin output	PNP	Separate Connector	Area output, self-diagnosis, differential operation	265.75	243.36	231.41
653-E3C-LDA9	E3C-LDA9	I	External input	PNP	Separate Connector	Remote setting, counter, differential operation	265.75	243.36	231.41

Amplifier Unit Connectors

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	5	10
653-E3X-CN21	E3X-CN21	Master connector for E3C-LDA6, E3C-LDA7, E3C-LDA8, E3C-LDA9. 2m (6.56 ft) cable, 4 conductors	22.16	20.29	19.29
653-E3X-CN22	E3X-CN22	Slave connector for E3C-LDA6, E3C-LDA7, E3C-LDA8, E3C-LDA9. 2m (6.56 ft) cable, 2 conductors	19.41	17.78	16.91

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	2	5
653-E39-P11	E39-P11	Beam unit, Line focus, for E3C-LD11	163.26	149.51	142.17
653-E39-P21	E39-P21	Beam unit, Area focus, for E3C-LD11	163.26	149.51	142.17
653-E39-P31	E39-P31	Beam unit, Line focus, for E3C-LR11	110.53	101.21	96.25
653-E39-P41	E39-P41	Beam unit, Area focus, for E3C-LR11	120.36	110.22	104.81
653-E39-L143	E39-L143	Mounting bracket for E3C	10.60	9.71	9.23
653-PFP-M	PFP-M	End plate	.52	.49	.46
653-E39-R12	E39-R12	Reflector, standard effective area of 23 x 23 mm	36.34	33.28	31.65
653-E39-R13	E39-R13	Reflector, standard effective area of 7 x 7 mm	21.93	20.08	19.09
653-E39-R14	E39-R14	Reflector, Transparent detection effective area of 23 x 23 mm	18.47	16.91	16.08

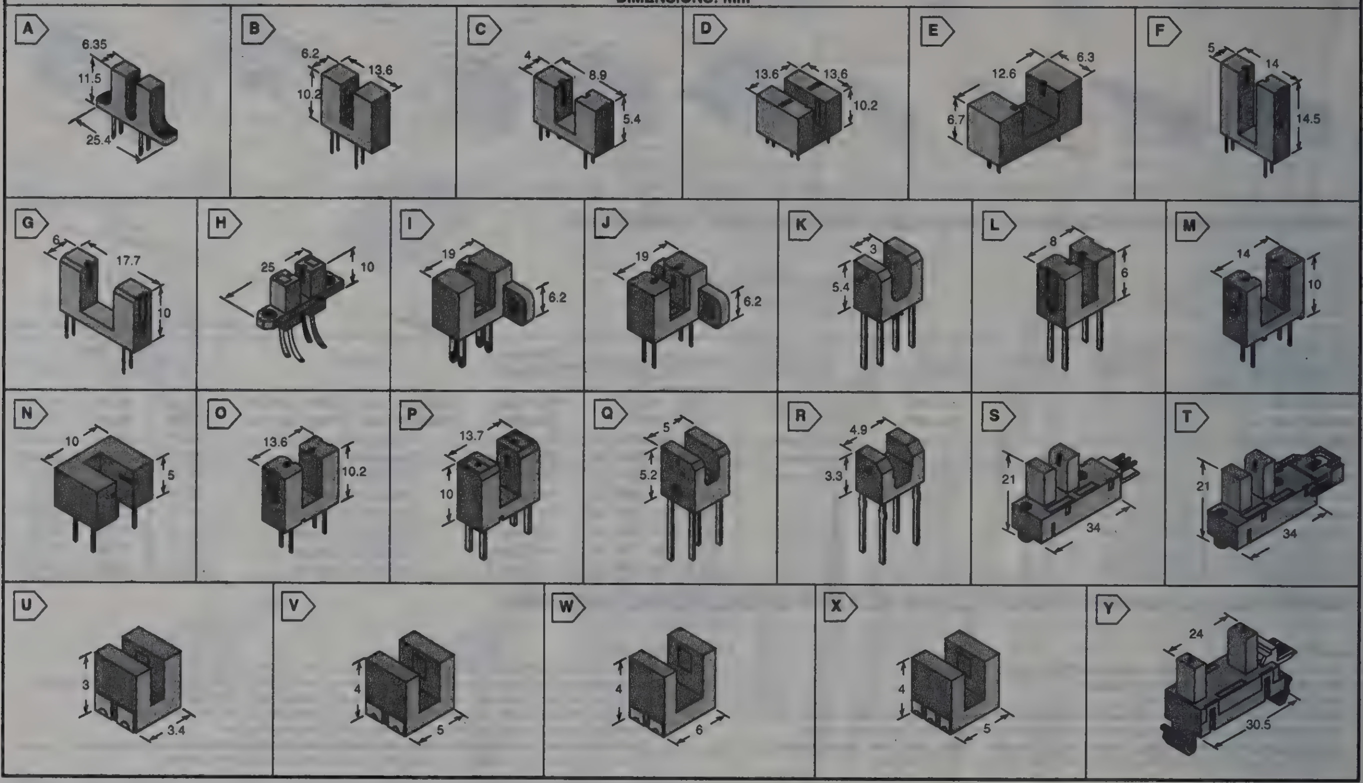
Mobile Console Unit

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Price Each		
				1	2	5
653-E3X-MC11-S	E3X-MC11-S	J	Includes mobile console (E3X-MC11-C1-S) with comm. head (E3X-MC11-H1), cable (E39-Z12-1), and AC adptr	488.60	447.43	425.47

OMRON Photomicrosensors

This page of product is compliant.



DIMENSIONS: mm

OMRON TRANSMISSIVE NON-AMPLIFIED PHOTOMICROSENSORS

* Includes wiring harness

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Output Configuration	Slot W x D	Aperature Orientation	Termination	Price Each		
							1	25	50
653-EE-SG3	EE-SG3	A	Phototransistor	3.6x9mm	2mm	Solder terminals	3.29	3.20	3.03
653-EE-SG3-B	EE-SG3-B	A	Phototransistor	3.6x9mm	2mm	PCB terminals	3.29	3.20	3.03
653-EE-SJ3-D	EE-SJ3-D	B	Phototransistor	3.4x7.2mm	0.2mm	PCB terminals	2.92	2.84	2.69
653-EE-SX1025	EE-SX1025	C	Phototransistor	2.8x4.4mm	0.5mm	PCB terminals	1.87	1.82	1.72
653-EE-SX1031	EE-SX1031	D	Phototransistor, dual channel	3.4x7.2mm	0.5mm	PCB terminals	3.75	3.65	3.46
653-EE-SX1035	EE-SX1035	E	Phototransistor	5.2x5.4mm	0.5mm	PCB terminals	1.69	1.64	1.55
653-EE-SX1042	EE-SX1042	F	Phototransistor	5x12mm	0.5mm	PCB terminals	1.32	1.29	1.22
653-EE-SX1070	EE-SX1070	G	Phototransistor	8x8.2mm	0.5mm	PCB terminals	1.24	1.20	1.14
653-EE-SX4070	EE-SX4070	G	Photo-IC Light-On	8x87.5mm	0.5mm	PCB terminals	1.70	1.66	1.57
653-EE-SX1088-W1	EE-SX1088-W1	H	Phototransistor	3.4x7.2mm	0.5mm	PCB terminals*	5.26	5.13	4.85
653-EE-SV3	EE-SV3	I	Phototransistor	3.4x7.2mm	0.5mm	Solder terminals	5.76	5.60	5.30
653-EE-SV3-B	EE-SV3-B	J	Phototransistor	3.4x7.2mm	0.5mm	PCB terminals	4.11	4.01	3.79
653-EE-SX1106	EE-SX1106	K	Phototransistor	3x3.9mm	0.4mm	PCB terminals*	1.72	1.68	1.59
653-EE-SX1018	EE-SX1018	L	Phototransistor	2x4.5mm	0.5mm	PCB terminals	1.59	1.55	1.46
653-EE-SX1041	EE-SX1041	M	Phototransistor	5x8.2mm	0.5mm	PCB terminals	1.53	1.49	1.41
653-EE-SX1046	EE-SX1046	N	Phototransistor	3x5mm	0.5mm	PCB terminals	2.66	2.59	2.45
653-EE-SX1071	EE-SX1071	O	Phototransistor	3.4x7.2mm	0.5mm	PCB terminals	1.53	1.49	1.41
653-EE-SX1081	EE-SX1081	P	Phototransistor	5x7.5mm	0.5mm	PCB terminals	1.59	1.55	1.46
653-EE-SX1103	EE-SX1103	Q	Phototransistor	2x2.8mm	0.4mm	PCB terminals*	1.16	1.13	1.07
653-EE-SX1105	EE-SX1105	R	Phototransistor	2x2.6mm	0.4mm	PCB terminals*	1.16	1.13	1.07
653-EE-SX4009-P1	EE-SX4009-P1	S	Photo-IC Light-On	5x10.5mm	0.5mm	Connector	3.45	3.36	3.18
653-EE-SX4009-P10	EE-SX4009-P10	T	Photo-IC Light-On	5x10.5mm	0.5mm	Connector	4.26	4.15	3.93
653-EE-SX1107	EE-SX1107	U	Phototransistor	3.4x1mm	0.15mm	PCB terminals	1.12	1.09	1.03
653-EE-SX1108	EE-SX1108	V	Phototransistor	5x1mm	0.3mm	PCB terminals	1.12	1.09	1.03
653-EE-SX1109	EE-SX1109	W	Phototransistor	6x3mm	0.5mm	SMT	1.12	1.09	1.03
653-EE-SX1131	EE-SX1131	X	Phototransistor, dual channel	5x2mm	0.3mm	PCB terminals	.97	.94	.89

OMRON TRANSMISSIVE SLOT-TYPE NON-AMPLIFIED PHOTOMICROSENSORS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Output Configuration	Slot W x D	Aperature Orientation	Termination	Price Each		
							1	25	50
653-EE-SX461-P11	EE-SX461-P11	Y	Photo-IC Light-On	15x10mm	2mm	Connector	5.49	5.34	5.05

OMRON Photomicrosensors and Photoelectric Sensors

OMRON
INDUSTRIAL AUTOMATION

OMRON PHOTOMICROSENSORS

Reflective Non-Amplified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Configuration	Sensing Distance	Comments	Price Each	
					1	25
SMD Termination						
653-EE-SY125	A	Phototransistor	1mm	- - - - -	1.74	1.69
PCB Terminals Termination						
653-EE-SY124	B	Phototransistor	1mm	- - - - -	1.51	1.47
653-EE-SY169	C	Phototransistor, convergent lens	4mm	Red LED	9.67	9.41
653-EE-SY310	D	Phototransistor Dark-On	5mm	Schmitt trigger, pre-amp	3.17	3.09
653-EE-SY410	D	Phototransistor Light-On	5mm	Schmitt trigger, pre-amp	3.17	3.09
653-EE-SB5-B	E	Phototransistor	5mm	TTL compatible	4.39	4.28
653-EE-SF5-B	F	Phototransistor	5mm	TTL compatible	3.73	3.64
Solder Terminals Termination						
653-EE-SB5	E	Phototransistor	5mm	TTL compatible	4.39	4.28
653-EE-SF5	F	Phototransistor	5mm	TTL compatible	4.31	4.20
Connector Termination						
653-EE-SPY415	G	Photo IC	3-19mm	- - - - -	13.92	13.55

Diffuse Reflective Amplified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Configuration	Sensing Distance	Comments	Price Each	
					1	25
653-EE-SB5V	H	Light-On	5mm	CMOS- and TTl-compatible	15.39	14.98
653-EE-SB5V-E	H	Light-On	19mm	CMOS- and TTl-compatible	21.49	20.92
653-EE-SY671	I	Light-On/Dark-On	1-5mm	Sensitivity adjuster, side detect	24.92	24.27
653-EE-SY672	J	Light-On/Dark-On	1-5mm	Sensitivity adjuster, top detect	24.92	24.27

Convergent Reflective Amplified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Configuration	Sensing Distance	Comments	Price Each	
					1	25
653-EE-SPY311	K	Dark-On	5mm	Side-detecting	41.66	40.56
653-EE-SPY312	L	Dark-On	5mm	Top-detecting	41.66	40.56
653-EE-SPY411	K	Light-On	5mm	Side-detecting	41.66	40.56
653-EE-SPY412	L	Light-On	5mm	Top-detecting	41.66	40.56

Transmissive Slot-Type Amplified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Configuration	Sensing Distance	Slot W x D	Comments	Price Each	
						1	25
653-EE-SX670	M	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	20.72	20.18
653-EE-SX670A	M	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	20.72	20.18
653-EE-SX671	N	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	21.11	20.55
653-EE-SX671A	N	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	21.11	20.55
653-EE-SX672	O	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	21.37	20.80
653-EE-SX672A	O	Light-On/Dark-On	5mm	5x9mm	Dust-proof slit	21.37	20.80
653-EE-SX674	P	Light-On/Dark-On	5mm	5x9mm	Close mounting	22.76	22.16

Through-Beam Slot-Type Amplified

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Configuration	Sensing Distance	Slot W x D	Comments	Price Each	
						1	25
653-EE-SX770	Q	Dark-On	5mm	5x9mm	Pre-wired	27.66	26.94
653-EE-SX771	R	Dark-On	5mm	5x9mm	Pre-wired	29.26	28.49
653-EE-SX772	S	Dark-On	5mm	5x9mm	Pre-wired	30.53	29.73
653-EE-SX870	Q	Light-On	5mm	5x9mm	Pre-wired	27.66	26.94
653-EE-SX871	R	Light-On	5mm	5x9mm	Pre-wired	29.26	28.49
653-EE-SX872	S	Light-On	5mm	5x9mm	PCB mount	30.53	29.73

OMRON PHOTOMICROSENSOR ACCESSORIES

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	25
653-EE-1001	T	4 Pin connector	2.79	2.72
653-EE-1002	U	3 Pin connector	2.79	2.72
653-EE-1003	V	3 Pin connector with 3.3" wire harness	4.95	4.82
653-EE-1006	W	4 Pin connector with 6.6" wire harness	13.09	12.75
653-EE-1003A	-	Connector holder for EE-1003	1.52	1.48

OMRON E3ZM SERIES: PHOTOELECTRIC SENSORS WITH SUPERIOR CHEMICAL RESISTANCE

Specifications:

- Supply Voltage: 12-30 VDC
- Response Time: 1 ms max.
- Operation Mode: Switch selectable, Light-ON/Dark-On
- Prewired with 2m cable
- Meets IP69K Standards

Features:

- Tested with TEK121, P3-oxonia and P3-topax for 240 hours and was 200 times more durable than other plastic sensors.
- Smooth shape allows easier cleansing.

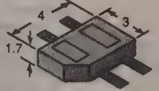
NEW FROM SUPPLIER

For quantities of 50 and up, call for quote.

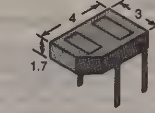
MOUSER STOCK NO.	Fig.	Type	Output Type	Sensing Distance	Price Each	
					1	25
Infrared Light Source						
653-E3ZM-T612M	X	Through-beam	NPN	15 m	305.00	293.41
653-E3ZM-D622M	X	Diffuse reflective	NPN	1 m	180.00	173.16
Red Light Source						
653-E3ZM-R612M	X	Retro-reflective	NPN	0.1 to 4 m with E39-R1S	190.00	182.78
653-E3ZM-LS61H2M	Y	Distance settable	NPN	10 to 100 mm; 4 mm spot dia.	205.00	197.21
653-E3ZM-LS62H2M	Y	Distance settable	NPN	10 to 150 mm; 12 mm spot dia.	205.00	197.21
653-E3ZM-LS64H2M	Y	Distance settable	NPN	10 to 200 mm; 18 mm spot dia.	195.00	187.59

DIMENSIONS: mm

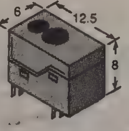
A



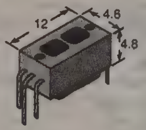
B



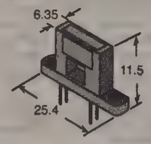
C



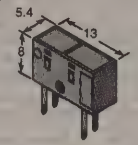
D



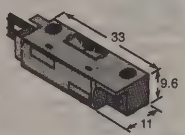
E



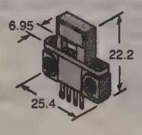
F



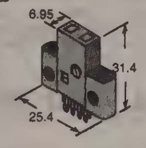
G



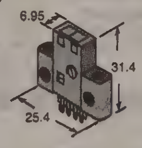
H



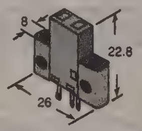
I



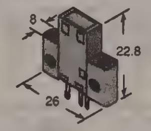
J



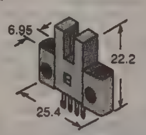
K



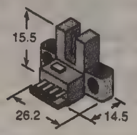
L



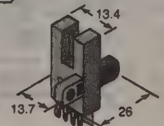
M



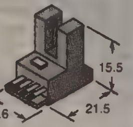
N



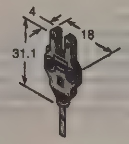
O



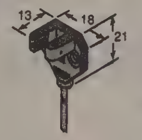
P



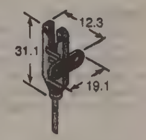
Q



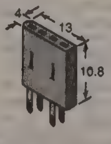
R



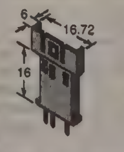
S



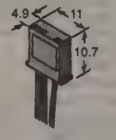
T



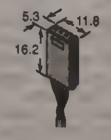
U



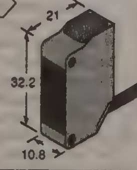
V



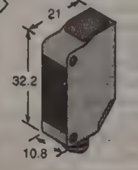
W



X



Y



OMRON Photoelectric Sensors

OMRON
INDUSTRIAL AUTOMATION

OMRON E3F2: M18 CYLINDRICAL PHOTOELECTRIC SENSORS

Specifications:
- Housing material: Plastic or Nickel plated brass (NPB)
- Connection method: 2m cable
- Supply voltage: AC models - 24-240 VAC; DC models - 10-30VDC
- Response time: AC models - 30 ms max.; DC models - 2.5ms max.
- Enclosure Rating: IEC IP66; NEMA 4
- Through-beam models include emitter and receiver pair
- Retroreflective type is non-polarized

Features:
- Threaded with built-in amplifier
- PVC Cable sheath
- Compact and space-saving
- Watertight construction
- DC switching types available with connector connection upon request

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Type	Light Source	Sensing	Range	Body Material	Price Each		
							1	5	10
AC Supply									
653-E3F2-DS1N	E3F2-DS10Z1-N	Diffuse	Infrared LED	Light-On	100 mm	Plastic	**79.49**	**72.80**	**69.22**
653-E3F2-DS2N	E3F2-DS10Z2-N	Diffuse	Infrared LED	Dark-On	100 mm	Plastic	**92.27**	**84.50**	**80.35**
653-E3F2-R2Z1	E3F2-R2Z1	Retroreflective	Infrared LED	Light-On	2 m	Plastic	**81.74**	**74.85**	**71.18**
653-E3F2-R2Z2	E3F2-R2Z2	Retroreflective	Infrared LED	Dark-On	2 m	Plastic	**96.61**	**88.47**	**84.13**
653-E3F2-3Z1	E3F2-3Z1	Through-beam	Infrared LED	Light-On	3 m	Plastic	**119.62**	**109.54**	**104.16**
653-E3F2-3Z2	E3F2-3Z2	Through-beam	Infrared LED	Dark-On	3 m	Plastic	**138.84**	**127.14**	**120.90**
DC Supply									
653-E3F2-DS4N	E3F2-DS10C4-N	Diffuse	Infrared LED	NPN	10 cm	Plastic	**68.78**	**62.98**	**59.89**
653-E3F2-DS4M	E3F2-DS10C4-M	Diffuse	Infrared LED	NPN	10 cm	NPB	**70.29**	**64.36**	**61.21**
653-E3F2-R2C4	E3F2-R2C4	Retroreflective	Infrared LED	NPN	2 m	Plastic	**70.77**	**64.81**	**61.63**
653-E3F2-7C4	E3F2-7C4	Through-beam	Infrared LED	NPN	7 m	Plastic	**90.96**	**83.29**	**79.21**
Accessories		Description					1	25	50
653-Y92E-B18	Y92E-B18	Sensor mounting bracket					**3.01**	**2.75**	**2.62**
653-E39-RSA	E39-RSA	Adhesive back reflector sheet, size 35x10mm					**7.34**	**7.15**	**6.76**
653-E39-RSB	E39-RSB	Adhesive back reflector sheet, size 40x35mm					**11.17**	**10.88**	**10.29**
653-E39-R1	E39-R1	Reflector - supplied w/ retroreflective units,100mm-6m sensing					**12.24**	**11.91**	**11.27**
653-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector (not supplied with reflector)					**5.11**	**4.97**	**4.70**

OMRON E3G SERIES: LONG DISTANCE PHOTOELECTRIC SENSORS

Specifications:
- Operation mode: Light-ON/Dark-ON switch selectable
- Supply voltage: 10 - 30 VDC
- Sensitivity adjustment: E3G-R13 - 1-turn potentiometer; E3G-L73 - Teaching
- Retroreflective type is non-polarized
- Response time: E3G - 1ms; E3G-L73 - 5ms
- Connection method: 2m cable

Features:
- Circuit protection from reversed power supply connection, load short-circuit, and mutual interference
- E39-R2 reflector is supplied with E3G-R13 sensor
- E3G-L73 has a "Teach" mode, allowing for one-point teaching, two-point teaching, and zone teaching

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part Number	Type	Light Source	Output	Range	Price Each		
						1	5	10
653-E3G-R13	E3G-R13	Retroreflective	Red LED	NPN/PNP	500 mm - 10 m	**145.53**	**133.27**	**126.73**
653-E3G-L73	E3G-L73	Diffuse reflective	Infrared LED	NPN/PNP	200 mm - 2 m	**160.48**	**146.96**	**139.75**
Accessories		Description				1	25	50
653-E39-R1	E39-R1	Reflector, 100mm-6m sensing				**12.24**	**11.91**	**11.27**
653-E39-R2	E39-R2	Reflector - supplied with retroreflective units, 500mm-10m sensing				**19.45**	**18.94**	**17.92**
653-E39-L131	E39-L131	Sensor mounting bracket				**7.34**	**7.15**	**6.76**
653-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector				**5.11**	**4.97**	**4.70**

OMRON E3S-A SERIES: COMPACT PHOTOELECTRIC SENSORS

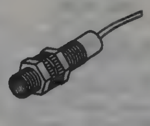
Specifications:
- Supply voltage: 10 - 30 VDC
- Response time: 0.5 ms max. ON, 0.5 ms max. OFF
- Operation Mode: Light-ON/Dark-ON, switch selectable
- Light source: Red LED
- Retroreflective type is polarized
- Pre-wired versions have 2 m cable

Features:
- Enclosure meets NEMA 4X, 6, and IP67
- User-friendly features for ease of installation and use
- Mounting bracket E36-L69 supplied with horizontal sensors
- Mounting bracket E36-L70 supplied with vertical sensors
- Retroreflective sensors include E39-R1 reflector
- Through-beam sensors include both emitter and receiver

For quantities of 20 and up, call for quote.

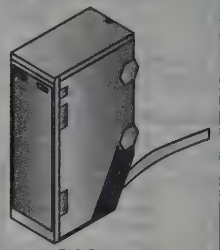
MOUSER STOCK NO.	Omron Part Number	Type	Mounting Position	Output	Range	Connection Method	Price Each		
							1	5	10
653-E3S-AT11	E3S-AT11	Through-beam	Horizontal	NPN	0-7m	Pre-wired	**168.46**	**154.26**	**146.69**
653-E3S-AT61	E3S-AT61	Through-beam	Vertical	NPN	0-7m	Pre-wired	**168.46**	**154.26**	**146.69**
653-E3S-AR11	E3S-AR11	Retroreflective	Horizontal	NPN	0.1-2m	Pre-wired	**144.54**	**132.36**	**125.86**
653-E3S-AR61	E3S-AR61	Retroreflective	Vertical	NPN	0.1-2m	Pre-wired	**144.54**	**132.36**	**125.86**
653-E3S-AR86	E3S-AR86	Retroreflective	Vertical	PNP	0.1-2m	Connector	**147.53**	**135.09**	**128.46**
Accessories		Description					1	25	50
653-E39-RSA	E39-RSA	Adhesive back reflector sheet, size 35x10mm					**7.34**	**7.15**	**6.76**
653-E39-RSB	E39-RSB	Adhesive back reflector sheet, size 40x35mm					**11.17**	**10.88**	**10.29**
653-E39-R1	E39-R1	Reflector, 100mm-6m sensing					**12.24**	**11.91**	**11.27**
653-E39-L59	E39-L59	Vertical mtg. bracket for vertical sensors (2 required for through-beam)					**5.11**	**4.97**	**4.70**
653-E39-L60	E39-L60	Mounting bracket spacer for connector versions					**3.12**	**3.04**	**2.88**
653-E39-L69	E39-L69	Mounting bracket for vertical sensors (supplied with each sensor)					**6.10**	**5.94**	**5.62**
653-E39-L70	E39-L70	Mounting bracket for horizontal sensors (supplied with each sensor)					**6.10**	**5.94**	**5.62**
653-Y96E-43SD10	Y96E-43SD10	Straight connector cordset, 10 m cable					**25.63**	**24.95**	**23.60**
653-Y96E-43RD10	Y96E-43RD10	Right angle connector cordset, 10 m cable					**25.63**	**24.95**	**23.60**
653-E39-E6	E39-E6	Mutual interference filters for E3S-AT (2 prs. horiz. & vert. w/ hardware)					**26.33**	**25.64**	**24.26**

E3F2 Series



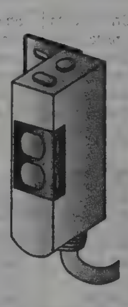
E3F2-DS10C4-N
E3F2-DS10C4-C
E3F2-R2C4
E3F2-7C4
E3F2-DS10Z2-N
E3F2-3Z1
E3F2-3Z2
E3F2-R2Z1
E3F2-R2Z2

E3G Series

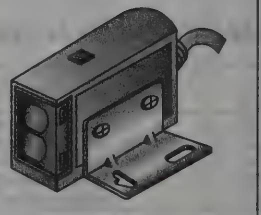


E3G-R13
E3G-L73

E3S-A Series



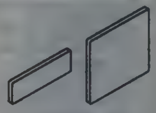
E3S-AT61
E3S-AR61



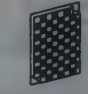
E3S-AT11
E3S-AR11

E3S-AR86

Accessories



Adhesive backed reflector
(E39-RSA)
(E39-RSB)



Reflector
(E39-R1)

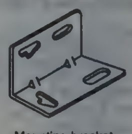
Reflector
(E39-R2)

Sensor mounting bracket
(Y92E-B18)

Mounting bracket
(E39-L131)

Mounting bracket
(E39-L59)

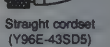
Interference filter
(E39-E6)



Mounting bracket
(E39-L69)

Spacer
(E39-L60)

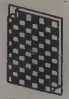
R/A cordset
(Y96E-43RD5)
(Y96E-43RD10)



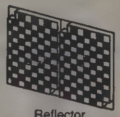
Straight cordset
(Y96E-43SD5)
(Y96E-43SD10)

OMRON Photoelectric Sensors

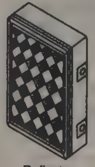
Accessories



Reflector
(E39-R1)



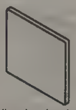
Reflector
(E39-R2)



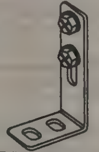
Reflector
(E39-R3)

Reflector
(E39-R4)

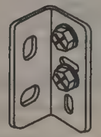
Adhesive-backed
reflector (E3-RSA)



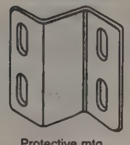
Adhesive-backed
reflector (E3-RSB)



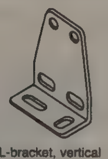
Tall mtg. bracked
(E39-L116)



Side mtg. bracket
(E39-L117)

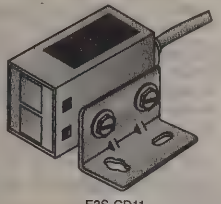


Protective mtg.
bracket (E39-L118)

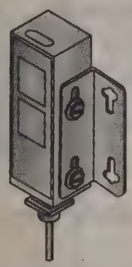


L-bracket, vertical
(E39-L44)

E3S-C Series

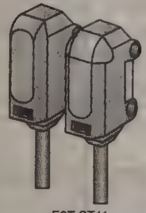


E3S-CD11
E3S-CD12
E3S-CR11
E3S-CT11

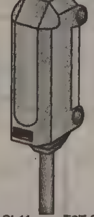


E3S-CD61
E3S-CR61
E3S-CT61

E3T SERIES

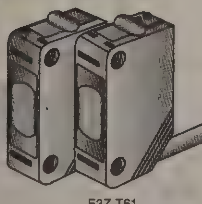


E3T-ST11
E3T-ST12

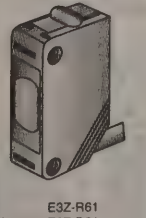


E3T-SL11 E3T-SR11
E3T-SL12 E3T-SR12

E3Z Series



E3Z-T61



E3Z-R61
E3Z-D61
E3Z-D62

OMRON E3S-C SERIES: LONG RANGE METAL BODY PHOTOELECTRIC SENSOR

Specifications:
- Supply voltage: 10-30 VDC
- Response time: CDx12 - 2 ms max.; all others - 1 ms max.
- Operation mode: Light-ON/Dark-ON, switch selectable
- Enclosure meets NEMA 1, 4X, 6P, 12, 13 and IP67
- Retroreflective type is polarized
- Pre-wired with 2 m cable

Features:
- Mutual interference protection for diffuse reflective and retroreflective types
- Mounting bracket E36-L102 supplied with horizontal sensors
- Mounting bracket E36-L103 supplied with vertical sensors
- Retroreflective sensors include E39-R1 reflector
- Through-beam sensors include both emitter and receiver

CE

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	Light Source	Mounting Position	Output	Range	Price Each		
							1	5	10
653-E3S-CD11	E3S-CD11	Diffuse reflective	Infrared LED	Horizontal	NPN/PNP	0 - 70 cm	**168.46**	**154.26**	**146.69**
653-E3S-CD12	E3S-CD12	Diffuse reflective	Infrared LED	Horizontal	NPN/PNP	0 - 2 m	**181.42**	**166.13**	**157.98**
653-E3S-CD61	E3S-CD61	Diffuse reflective	Infrared LED	Vertical	NPN/PNP	0 - 70 cm	**168.46**	**154.26**	**146.69**
653-E3S-CR11	E3S-CR11	Retroreflective	Red LED	Horizontal	NPN/PNP	0 - 3 m	**168.46**	**154.26**	**146.69**
653-E3S-CR61	E3S-CR61	Retroreflective	Red LED	Vertical	NPN/PNP	0 - 3 m	**168.46**	**154.26**	**146.69**
653-E3S-CT11	E3S-CT11	Through-beam	Infrared LED	Horizontal	NPN/PNP	0 - 30 m	**205.34**	**188.04**	**178.81**
653-E3S-CT61	E3S-CT61	Through-beam	Infrared LED	Vertical	NPN/PNP	0 - 30 m	**205.34**	**188.04**	**178.81**
Accessories		Description					**1**	**25**	**50**
653-E39-R1	E39-R1	Reflector - supplied with retroreflective units,100mm-6m sensing					**12.24**	**11.91**	**11.27**
653-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector (not supplied with reflector)					**5.11**	**4.97**	**4.70**
653-E39-L102	E39-L102	Mounting bracket for horizontal sensors (supplied with each sensor)					**12.45**	**12.12**	**11.47**
653-E39-L103	E39-L103	Mounting bracket for vertical sensors (supplied with each sensor)					**7.87**	**7.67**	**7.25**

OMRON E3T SERIES: ULTRA THIN, SUBMINIATURE PHOTOELECTRIC SENSOR

Specifications:
- Supply voltage: 12-24 VDC
- Response time: 1 ms max. each for on and off
- Circuit protection: Through-beam - From reversed polarity and output short-circuit; All others - reversed polarity, output short-circuit, and mutual interference
- Through-beam models sold as transmitter and receiver pair
- Light source: Red "pin-point" LED

Features:
- Utilizes Omron's "Hyper LED" technology to achieve the industry's smallest visible red beam
- Pin-point beam for detecting extremely small objects
- Retroreflective types use Omron's Free-Angle Optics (FAO) technology to detect objects as small as 2 mm in diameter
- Self-contained - ideal for compact applications
- Retroreflective models include reflector E39-R4

CE

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	Output/Sensing	Shape	Range	Price Each		
						1	5	10
653-E3T-SL11	E3T-SL11	Convergent-beam	NPN/Light-ON	Side-view	5 - 15 mm	**73.76**	**67.55**	**64.23**
653-E3T-SL12	E3T-SL12	Convergent-beam	NPN/Dark-ON	Side-view	5 - 15 mm	**73.76**	**67.55**	**64.23**
653-E3T-SR212M	E3T-SR21 2M	Retroreflective	NPN/Light-ON	Side-view	10 - 200 mm	**90.50**	**88.24**	**86.48**
653-E3T-SR222M	E3T-SR22 2M	Retroreflective	NPN/Dark-ON	Side-view	10 - 200 mm	**90.50**	**88.24**	**86.48**
653-E3T-ST11	E3T-ST11	Through-beam	NPN/Light-ON	Side-view	1 m	**96.19**	**88.09**	**83.76**
653-E3T-ST12	E3T-ST12	Through-beam	NPN/Dark-ON	Side-view	1 m	**96.19**	**88.09**	**83.76**
Accessories		Description				**1**	**25**	**50**
653-E39-R4	E39-R4	Reflector - supplied with retroreflective units, 10-200mm sensing				**19.45**	**18.94**	**17.92**
653-E39-L116	E39-L116	Tall mounting bracket for sensor (2 required for through-beam)				**8.00**	**7.79**	**7.37**
653-E39-L117	E39-L117	Side mounting bracket for sensors (2 required for through-beam)				**7.50**	**7.30**	**6.90**
653-E39-L118	E39-L118	Protective mounting bracket for sensors (2 required for through-beam)				**8.00**	**7.79**	**7.37**

OMRON E3Z SERIES: PHOTOELECTRIC SENSOR WITH BUILT-IN AMPLIFIER

Specifications:
- Supply voltage: 12-24 VDC
- Response time: 1 ms max. each for on and off
- Circuit protection: Through-beam - From reversed polarity and output short-circuit; All others - reversed polarity, output short-circuit, and mutual interference
- Through-beam models sold as transmitter and receiver pair
- Connection method: 2 m cable
- Retroreflective type is polarized; reflector must be ordered separately

Features:
- Photo-IC provides long sensing distance - 15 m for through-beam, 4 m for retroreflective, and 1 m for diffuse
- Integrated photo-IC improves noise immunity to interference from inverters and other inductive loads
- Enclosure rating (IP67 - IEC60529)
- Switch selectable Light-ON/Dark-ON operation

CE

* Sensing Distance is 3 meters with E39-R1 reflector, 4 meters with E39-R1S reflector

For quantities of 20 and up, call for quote.

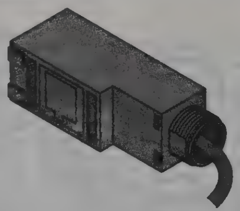
MOUSER STOCK NO.	Omron Part No.	Type	Light Source	Output	Range	Price Each		
						1	5	50
653-E3Z-T61	E3Z-T61	Through-beam	Infrared LED	NPN	15 m	**107.65**	**98.58**	**93.74**
653-E3Z-R61	E3Z-R61	Retroreflective	Red LED	NPN	100 mm to 3 or 4 m *	**85.72**	**78.50**	**74.65**
653-E3Z-D61	E3Z-D61	Diffuse reflective	Infrared LED	NPN	5 to 100 mm (wide view)	**75.26**	**68.92**	**65.53**
653-E3Z-D62	E3Z-D62	Diffuse reflective	Infrared LED	NPN	1 m	**80.24**	**73.48**	**69.87**
Accessories		Description				**1**	**25**	**50**
653-E39-R1	E39-R1	Reflector, size 40 x 60 mm				**12.24**	**11.91**	**11.27**
653-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector				**5.11**	**4.97**	**4.70**
653-E39-R1S	E39-R1S	Reflector, size 40 x 60 mm				**17.43**	**16.97**	**16.05**
653-E39-R2	E39-R2	Reflector, size 80.8 x 60 mm				**19.45**	**18.94**	**17.92**
653-E39-R3	E39-R3	Reflector, size 22.5 x 38 mm				**22.13**	**21.55**	**20.38**
653-E39-RSA	E39-RSA	Adhesive back reflector sheet, size 35 x 10mm				**7.34**	**7.15**	**6.76**
653-E39-RSB	E39-RSB	Adhesive back reflector sheet, size 40 x 35mm				**11.17**	**10.88**	**10.29**
653-E39-L44	E39-L44	L-bracket, vertical mounting bracket				**10.55**	**10.27**	**9.71**
653-E39-L104	E39-L104	L-bracket, horizontal mounting bracket				**6.10**	**5.94**	**5.62**
653-E39-L144	E39-L144	Protected top mounting bracket, 5° angle adjustability				**13.99**	**13.62**	**12.89**

OMRON Photoelectric Sensors and Fiber Optic Amplifiers

OMRON E3JU SERIES: GENERAL PURPOSE PHOTOELECTRIC SENSORS

Specifications:
- Output: SPDT relay
- Supply voltage: 24-240VAC/12-240VDC
- Operation mode: Light-ON/Dark-ON, switch selectable
- Indicators: Light incident (red LED); output operation (yellow LED); stability (green LED)
- Timer function type: ON-delay, OFF-delay, ON/OFF delay, one-shot, delayed one-shot; switch selectable
- Timer function range: .01 to 10 seconds

Features:
- Universal AC/DC power supply
- Sensitivity adjustment
- NEMA 4X, IP67 rated
- Limit switch style
- 300-V cable connection



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	Interface Protection	Sensing Distance	Timer	Price Each 1	5	10
653-E3JU-25M4-3	E3JU-25M4-3	Through-beam	Not provided	25 M (82 ft.)	No	224.75	205.81	195.71
653-E3JU-25M4T-3	E3JU-25M4T-3	Through-beam	Not provided	25 M (82 ft.)	Yes	241.76	221.38	210.52
653-E3JU-R5M4-3	E3JU-R5M4-3	Polarized retroreflective	Provided	5 M (16.4 ft.)	No	147.00	134.61	128.00
653-E3JU-R5M4T-3	E3JU-R5M4T-3	Polarized retroreflective	Provided	5 M (16.4 ft.)	Yes	159.15	145.73	138.58
653-E3JU-D1M4-3	E3JU-D1M4-3	Diffuse reflective	Provided	1 M (3.3 ft.)	No	143.35	131.27	124.83
653-E3JU-D1M4T-3	E3JU-D1M4T-3	Diffuse reflective	Provided	1 M (3.3 ft.)	Yes	159.15	145.73	138.58
653-E3JU-D2M4-3	E3JU-D2M4-3	Diffuse reflective	Provided	2 M (6.6 ft.)	No	150.64	137.95	131.18
653-E3JU-D2M4T-3	E3JU-D2M4T-3	Diffuse reflective	Provided	2 M (6.6 ft.)	Yes	182.23	166.87	158.68
Accessories		Description				1	25	50
653-E39-LU1	E39-LU1	Mounting bracket for sensor				8.77	8.54	8.08
653-E39-L7	E39-L7	Mounting bracket for E39-R1 reflector				4.94	4.62	4.33
653-E39-R1	E39-R1	Reflector, 100mm-6M sensing (Supplied with retroreflective type)				11.84	11.08	10.37
653-E39-R2	E39-R2	Large corner cube reflector (81 x 60 x 7mm)				19.45	18.94	17.92
653-E39-R3	E39-R3	Small corner cube reflector (38 x 22 x 11mm)				22.13	21.55	20.38
653-E39-R4	E39-R4	Small corner cube reflector (23 x 14 x 5mm)				19.45	18.94	17.92
653-E39-RSA	E39-RSA	Adhesive backed reflector (35 x 10 x 0.7mm)				7.34	7.15	6.76
653-E39-RSB	E39-RSB	Adhesive backed reflector (40 x 35 x 0.7mm)				10.81	10.12	9.47

OMRON E3X-NH SERIES: HIGH PRECISION AUTO-TUNING FIBER-OPTIC AMPLIFIERS

Specifications:
- Sensitivity setting: Teaching method
- Response time: 1 ms max for turn-on and turn-off
- Operation mode: Light ON, Dark ON, switch-selectable
- Supply voltage: 12-24 VDC
- Enclosure rating: IP50
- Require fiber-optic cables, sold separately below. Other cables available upon request

Features:
- Employs a 16-bit processor - An Industry First
- Automatic sensitivity adjustment feature allows for stable detection of objects in frequently changing environments
- Manual fine tuning allows 13 threshold adjustments
- Ideal for detecting small objects or fine wires

Amplifiers

∗Timer-function models

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Light Source	Output	Timing	Price Each 1	5	10
653-E3X-NH11	E3X-NH11	Red LED	NPN	N/A	192.61	186.06	180.28
653-E3X-NH41	E3X-NH41	Red LED	PNP	N/A	192.61	186.06	180.28
∗653-E3X-NH21	E3X-NH21	Red LED	NPN	40 ms off delay	192.61	186.06	180.28
∗653-E3X-NH51	E3X-NH51	Red LED	PNP	40 ms off delay	192.61	186.06	180.28

Fiber-Optic Cables

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Type	Sensing Distance	Min. Det. Obj. (mm)	Appearance	Features	Price Each 1	5	10
653-E32-D24	E32-D24	Diffuse	15 mm	0.03 dia.	2 mm head	Side-sensing	114.24	110.36	106.93
653-E32-D32	E32-D32	Diffuse	18 mm	0.03 dia.	2 mm head	Threaded head, coaxial	77.77	75.13	72.79
653-E32-D61	E32-D61	Diffuse	45 mm	0.03 dia.	M6	Heat-resistive	236.64	228.59	221.50
653-E32-DC200	E32-DC200	Diffuse	75 mm	0.015 dia.	M6	Compact threaded head	53.55	51.73	50.12
653-E32-DC200E	E32-DC200E	Diffuse	18 mm	0.03 dia.	M3	Thin fiber, easy to mount	65.02	62.81	60.86
653-E32-CC200	E32-CC200	Diffuse	75 mm	0.03 dia.	M6	High accuracy positioning	59.41	57.39	55.61
653-E32-TC200	E32-TC200	Through-beam	200 mm	0.2 dia.	M4	Compact threaded head	53.55	51.73	50.12
653-E32-TC200A	E32-TC200A	Through-beam	180 mm	0.2 dia.	M3	Compact threaded head	53.55	51.73	50.12
653-E32-T14L	E32-T14L	Through-beam	120 mm	0.1 dia.	3 mm head	Space-saving	89.25	86.22	83.54
653-E32-T61	E32-T61	Through-beam	150 mm	0.2 dia.	M4	Heat-resistive	280.70	257.04	244.43

OMRON E3X-A SERIES: GENERAL PURPOSE FIBER-OPTIC AMPLIFIERS

Specifications:
- Timing function on E3X-A21 and E3X-A51 is OFF-delay and is switch selectable
- Supply voltage: 10-30 VDC
- Response time: 200 μs max.
- Operation mode: Light-ON, Dark-ON or SET (switch selectable)
- Require fiber-optic cables, sold separately below. Other cables available upon request

Features:
- General purpose, as well as high speed and mark sensing applications
- Set-mode blinking light source aids in alignment
- Pre-wired with 2m cable
- Enclosure rating: IEC IP66 (with cover on)
- Mounting: DIN rail or on flat surface

Amplifiers

∗Timer-function models

For quantities of 20 and up, call for quote.

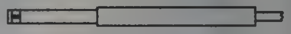
MOUSER STOCK NO.	Omron Part No.	Light Source	Output	Timing	Price Each 1	5	10
653-E3X-A11	E3X-A11	Red LED	NPN	N/A	153.47	148.25	143.65
653-E3X-A41	E3X-A41	Red LED	PNP	N/A	153.47	148.25	143.65
∗653-E3X-A21	E3X-A21	Red LED	NPN	0.01 - 0.1 s	169.95	164.17	159.07
∗653-E3X-A51	E3X-A51	Red LED	PNP	0.01 - 0.1 s	169.95	164.17	159.07

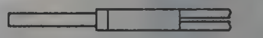
Fiber-Optic Cables

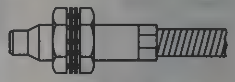
For quantities of 20 and up, call for quote.

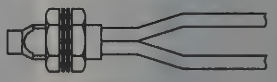
MOUSER STOCK NO.	Omron Part No.	Type	Sensing Distance	Min. Det. Obj. (mm)	Appearance	Features	Price Each 1	5	10
653-E32-D24	E32-D24	Diffuse	15 mm	0.012 dia.	2 mm head	Side-sensing	114.24	110.36	106.93
653-E32-D32	E32-D32	Diffuse	18 mm	0.03 dia.	2 mm head	Threaded head, coaxial	77.77	75.13	72.79
653-E32-D61	E32-D61	Diffuse	45 mm	0.012 dia.	M6	Heat-resistive	236.64	228.59	221.50
653-E32-DC200	E32-DC200	Diffuse	150 mm	0.012 dia.	M6	Compact threaded head	53.55	51.73	50.12
653-E32-DC200E	E32-DC200E	Diffuse	36 mm	0.012 dia.	M3	Thin fiber, easy to mount	65.02	62.81	60.86
653-E32-CC200	E32-CC200	Diffuse	150 mm	0.012 dia.	M6	High accuracy positioning	59.41	57.39	55.61
653-E32-TC200	E32-TC200	Through-beam	200 mm	0.2 dia.	M4	Compact threaded head	53.55	51.73	50.12
653-E32-TC200A	E32-TC200A	Through-beam	360 mm	0.04 dia.	M3	Compact threaded head	53.55	51.73	50.12
653-E32-T14L	E32-T14L	Through-beam	240 mm	0.08 dia.	3 mm head	Space-saving	89.25	86.22	83.54
653-E32-T61	E32-T61	Through-beam	400 mm	0.4 dia.	M4	Heat-resistive	280.70	257.04	244.43

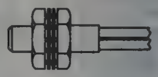
Fiber-Optic Cables

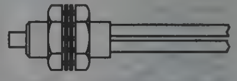

E32-D24

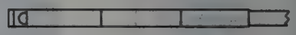

E32-D32

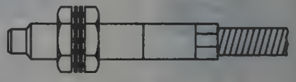

E32-D61


E32-DC200


E32-DC200E


E32-CC200 / E32-TC200 / E32TC200A

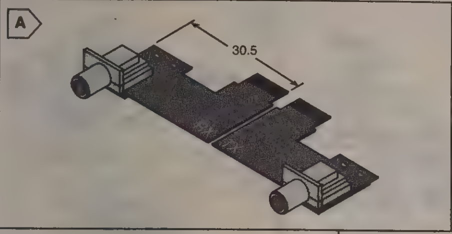

E32-T14L


E32-T61

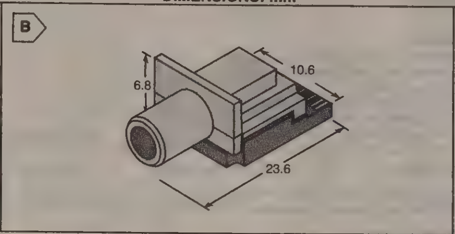
OMRON Optical Network Devices

DIMENSIONS: mm

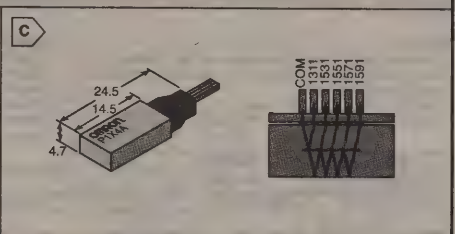
A



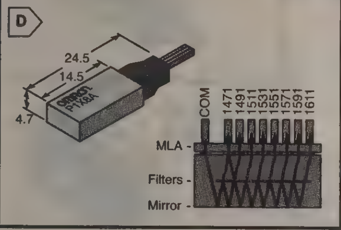
B



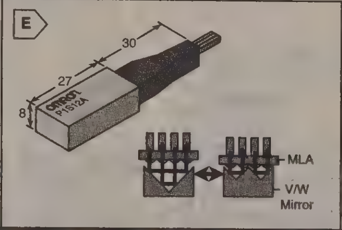
C



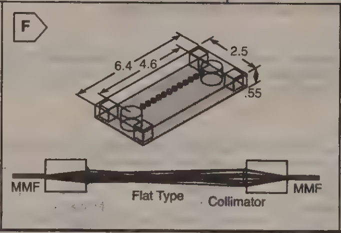
D



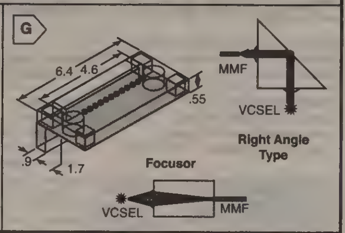
E



F



G



OMRON TOSA/ROSA: 4 CHANNEL CWDM RECEIVE OR TRANSMIT OPTICAL SUB-ASSEMBLY FOR VIDEO TRANSMISSION

Features:

- Protocol independent, CWDM-based optical subassembly (OSA), capable of transmitting (Tx) and receiving (Rx) 4 optical channels from one multi-mode fiber
- Designed to allow transmission over 100m of 62.5i mutli-mode fiber or 300m of 50i mutli-mode fiber at 3.125Gbps
- Scalable to 8 channels and bi-directional operation
- Integrated laser driver, TIA and Amp
- Four isolated channels on one multi-mode fiber
- Data rate of 155Mbps up to 3.2Gbps

NEW FROM SUPPLIER

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Classification	Number of Channels	Function	Application Type	Price Each	
							1	2
653-P1RX4A-SX4-V-01	P1RX4A-SX4-V-01	A	Receiver	4	850nm-based, 4-channels out	Video	**252.40**	**235.61**
653-P1TX4A-SX4-V-01	P1TX4A-SX4-V-01	A	Transmitter	4	850nm-based, 4-channels out	Video	**292.50**	**273.03**

OMRON ROSA: 4 CHANNEL CWDM RECEIVE OPTICAL SUB-ASSEMBLY

Features:

- Receives 4 optical channels from one fiber
- Fully integrated ROSA capable of receiving 3.2 Gbps /channel
- Tranmission distance of over 300m of 62.5μ or 50 fiber at 3.125Gbps
- Pluggable design to enable more configuration options
- Data rate of 155Mbps up to 3.2Gbps
- RSSI and signal detect available
- Integrated Limiting Amp available
- Hermetically sealed

NEW FROM SUPPLIER

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Classification	Number of Channels	Function	Application Type	Price Each	
							1	2
653-P1RX4A-LX4-TR-02	P1RX4A-LX4-TR-02	B	Receiver	4	1300nm-based, 4-channels out	TIA only with RSSI	**478.85**	**446.97**

OMRON CWDM MUX / DEMUX

Features:

- World's smallest CWDM Mux/Demux with proprietary micro-lens array (MLA) design and integrated optical elements
- Other wavelengths available

Specifications:

- Isolation: ≥30dB (35dB typ)
- Return loss: ≥35dB(40dB typ)

Applications:

- CWDM (Coarse Wavelength Division Multiplexers)
- BPON (Broadband Passive Optical Network)
- WDMPON (Wavelength Division Multiplexed Passive Optical Network)

RoHS Compliant

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Insertion Loss	Pass Bandwidth	Center Wavelength	Number of Channels	Price Each	
							1	2
653-P1X4A-DX1511	P1X4A-DX1511S20-SC	C	≤2.5dB (1.7dB typ)	13nm	1511	4	**655.50**	**633.65**
653-P1X4A-MX1511	P1X4A-MX1511S20-SC	C	≤2.5dB (1.7dB typ)	13nm	1511	4	**655.50**	**633.65**
653-P1X8A-DX1471	P1X8A-DX1471S20-SC	D	≤3.0dB (2.5dB typ)	13nm	1471	8	**1251.00**	**1209.30**
653-P1X8A-MX1471	P1X8A-MX1471S20-SC	D	≤3.0dB (2.5dB typ)	13nm	1471	8	**1251.00**	**1209.30**

OMRON OPTICAL SWITCHES

Features:

- Small size
- Latching function for low power consumption

Specifications:

- Cross talk: ≥55dB
- Return loss: 40dB typ.
- Switching time: 1.5msec typ.
- Rated voltage: 5VDC, 100mW
- Insertion loss: 1.2dB typ.

Applications:

- Redundancy, monitoring, restoration
- OXC (Optical Cross Connect Circuit)
- OADM (Optical Add/Drop Multiplex Circuit)

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Switch Type	Type	Wavelength Range	Price Each	
						1	2
653-P1S12B-LDSC	P1S12B-LD-SC	E	Latching	1 x 2	1290-1360nm 1530-1565nm 1565-1625nm	**394.50**	**381.35**
653-P1S12B-DSC	P1S12B-D-SC	E	Non-latching	1 x 2	1290-1360nm 1530-1565nm 1565-1625nm	**394.50**	**381.35**
653-P1S22B-LDSC	P1S22B-LD-SC	E	Latching	2 x 2	1290-1360nm 1530-1565nm 1565-1625nm	**496.50**	**479.95**
653-P1S22B-DSC	P1S22B-D-SC	E	Non-latching	2 x 2	1290-1360nm 1530-1565nm 1565-1625nm	**496.50**	**479.95**

OMRON MULTIMODE MICRO-LENS ARRAY (MLA)

Features:

- Easy alignment with high precision positioning holes based on MT guide pins

Applications:

- Free-space optical connectivity
- Transceiver (for parallel optical link)

Specifications:

- Cross talk: ≥50dB

RoHS Compliant

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Insertion Loss (Typ.)	Number of Lenses	Price Each	
						1	2
653-P1L12A-C1	P1L12A-C1	F	Flat, collimator, Air gap = 1.5mm	1.2dB	1 x 12	**34.50**	**33.35**
653-P1L12A-C2	P1L12A-C2	F	Flat, collimator, Air gap = 2.5mm	1.2dB	1 x 12	**34.50**	**33.35**
653-P1L12A-F1	P1L12A-F1	F	Flat, focuser, VtoL =0.3mm LtoF = 0.3mm	1.5dB	1 x 12	**34.50**	**33.35**
653-P1L12A-F2	P1L12A-F2	F	Flat, focuser, VCSEL to Lens = 0.2mm	1.5dB	1 x 12	**34.50**	**33.35**
653-P1L12C-F2	P1L12C-F2	G	Right angle, focuser, FtoL = 0.4mm	1.5dB	2 x 12	**51.00**	**49.30**
653-P1L12C-F1	P1L12C-F1	G	Right angle, focuser, V to L = 0.3mm L to F = 0.5mm	1.5dB	2 x 12	**51.00**	**49.30**

Component Sensors

OMRON D6BN SERIES: MICRO TILT SENSOR

Features:
- Surface mounting tilt sensor fits space-confined installations
- Low profile 2mm•Detect tilting over a range of 40 to 80 degrees in right-and-left inclination
- Gull wing surface mount terminals
- Operating temperature range: -10°C to 60°C

Applications:
- Ideal for PDAs, cell phones and test equipment; digital cameras and video cameras to change aspect ratio automatically.
- Replaces mercury switches in portable space heaters and gaming machines, such as pinball games, and slot machines

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Operating Voltage	Operation Angle	Price Each			
					1	10	25	50
653-D6BN-1(P)	D6BN-1(P)	A	2.4 to 3.6 VDC	40° to 80°	3.99	3.59	3.29	2.99

OMRON D6F SERIES: GAS MASS FLOW SENSORS

World's Smallest Flow Sensor Elements!
The exceptional performance of the D6F is achieved using the world's smallest, supersensitive flow sensor elements with an area of just 1.5mm sq., achieving a size of just 1/7th that of other flow sensors in the same class. The D6F is suitable for gas flows of up to 10m/s from any direction.

Specifications:
- Dielectric strength: 500VAC between terminals and base
- Operating temperature: -10 to 60°C

Features:
- Small size
- Fast response
- Applicable to air, non-corrosive gas, LNG ideal for looking at low pressure medical gases, boiler emissions, and HVAC system airflow

Applications:
- Medical equipment
- Combustion control
- Analysis instruments

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Range	Applicable Fluid	Case Material	Power Supply (Vcc Max)	Output Voltage (Vout Max)	Price Each		
								1	2	5
653-D6F-01A1-110	D6F-01A1-110	B	0-1L/min.	Air	PPS	26.4 VDC	6 VDC	180.00	162.00	159.60
653-D6F-02A1-110	D6F-02A1-110	B	0-2L/min.	Air	PPS	26.4 VDC	6 VDC	180.00	162.00	159.60
653-D6F-03A3-000	D6F-03A3-000	C	0 - 3 L/min.	Air	Thermoplastic/ Aluminum	26.4 VDC	5.7 VDC	194.38	186.22	178.45
653-D6F-05N2-000	D6F-05N2-000	D	0-5L/min.	Liquid Natural Gas	Aluminum	26.4 VDC	6 VDC	270.00	243.00	229.50
653-D6F-10A5-000	D6F-10A5-000	E	0-10L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	243.00	229.50
653-D6F-20A5-000	D6F-20A5-000	E	0-20L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	243.00	229.50
653-D6F-50A5-000	D6F-50A5-000	E	0-50L/min.	Air	PPS	26.4 VDC	6 VDC	270.00	243.00	229.50

Cables

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	2	5
653-D6F-CABLE1	D6F-CABLE1	For D6F-01, D6F-02, D6F-05, D6F-10, D6F-20, D6F-50 Gas Mass Flow Sensors	9.40	8.45	8.00
653-D6F-CABLE2	D6F-CABLE2	For D6F-03 Gas Mass Flow Sensor	6.46	6.02	5.67

OMRON D6F-W SERIES: GAS VELOCITY AND CLOGGED FILTER SENSORS

Features:
- A dust-resistant design has been taken into consideration, by the original dust segregation structure, of OMRON.
- ±10% Full-Scale repeatable accuracy achieves consistent air velocity measurement.
- Applications include clogged-filter detection and air velocity.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Range	Applicable Fluid	Case Material	Power Supply (Vcc Max)	Output Voltage (Vout Max)	Price Each		
								1	2	5
653-D6F-W01A1	D6F-W01A1	F	1 m/sec	Air	PPS	10-26.4 VDC	1-5 V non-linear	90.00	85.00	80.00
653-D6F-W04A1	D6F-W04A1	F	4 m/sec	Air	PPS	10-26.4 VDC	1-5 V non-linear	90.00	85.00	80.00
653-D6F-V03A1	D6F-V03A1	G	0-3 m/sec	Air	Thermoplastic resin	12.0 VDC	3.0 V	66.25	59.65	53.00

Cable

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Description	Price Each		
			1	2	5
653-D6F-WCABLE	D6F-WCABLE	Cable for D6F Clog Sensor	4.28	3.85	3.63

OMRON D7 SERIES VIBRATION SENSORS

Features:
- Quick detection of movements that could cause damage to equipment
- D7A/D7E - Auto-resettable - no manual setting required

Applications:
- Industrial equipment
- Any system requiring safety shutoff during a period of vibration or tilting

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Detection Sensitivity	Contact Form	Description	Contact Rating	Price Each		
							1	5	10
653-D7A-1	D7A-1	H	90-170gal	SPST-NO	Horizontal PCB mount	5mA@ 3VDC - 1mA @ 3VDC	25.29	22.35	22.02
653-D7A-2	D7A-2	H	90-170gal	SPST-NO	Vertical PCB mount	5mA@ 3VDC - 1mA @ 3VDC	25.29	22.35	22.02
653-D7A-3	D7A-3	H	90-170gal	SPST-NO	Chassis mount	5mA@ 3VDC - 1mA @ 3VDC	27.32	23.96	22.42
653-D7E-1	D7E-1	I	130-200gal	SPST-NC	Sealed vibration sensor	0.1mA @ 5VDC - 100mA @ 30VDC	7.31	6.98	6.62
653-D7E-2	D7E-2	I	100-170gal	SPST-NC	Sealed vibration sensor	0.1mA @ 5VDC - 100mA @ 30VDC	4.82	4.30	4.06
653-D7E-3	D7E-3	I	- - -	SPST-NC	Tilt switch, 50-80° detection angle	0.1mA @ 5VDC - 100mA @ 30VDC	7.31	6.98	6.62

ALPS SPSA VIBRATION SENSOR

Specifications:
- Ratings: 1mA @ 5VDC to 100mA @ 30VDC
- Operating life: 5000 cycles

Features:
- Resistant to corrosive gas and humidity
- Sliding contact with high reliability

Applications:
- Combustion equipment and aquarium heaters
- Detection of tampering

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ALPS Part No.	Fig.	Detection Sensitivity	Contact Form	Vibration Specification	Price Each		
						1	25	50
688-SPSA100100	SPSA100100	J	130 - 200 gal (cm/s2)	SPST-NC	10-55 Hz, 1.5mm total amplitude	7.48	5.24	4.49

ALPS SPSF VIBRATION/TILT SENSOR

Specifications:
- Reflow solderable
- Packaged on tape and reel

Features:
- Detects tilt movement in 4 directions
- Can be mounted on either side of the board

Applications:
- Detection of vertical/horizontal in handheld devices
- Detection of posture and movement of toy or robot

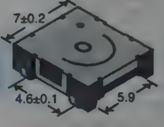
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	ALPS Part No.	Fig.	Detection Angle	Contact Rating	Dimensions (LxWxH)	Price Each		
						1	25	50
688-SPSF100100	SPSF100100	K	50°± 20°	1mA @ 5VDC	6.2mm X 6.2mm X 3.4mm	2.92	2.04	1.75

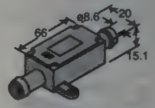
DIMENSIONS: mm

A

NEW FROM SUPPLIER

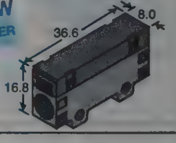


B

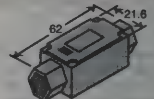


C

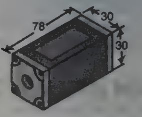
NEW FROM SUPPLIER



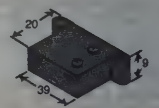
D



E

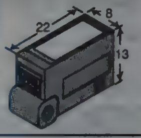


F

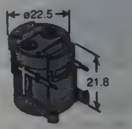


G

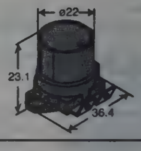
NEW PRODUCT



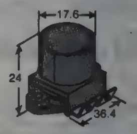
H



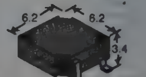
I



J



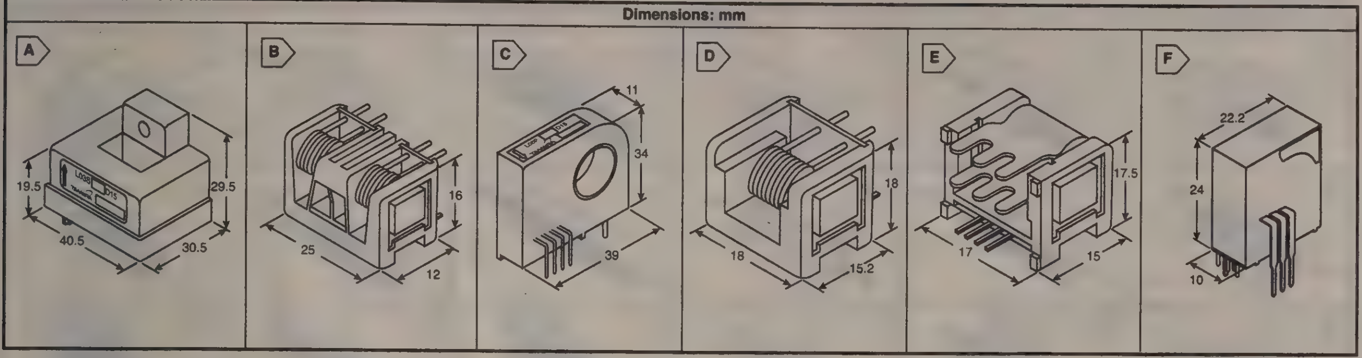
K



TAMURA Current Sensors

TAMURA

Dimensions: mm



TAMURA OPEN LOOP HALL EFFECT CURRENT SENSORS

In the Tamura Open Loop Hall Effect Current Sensor the magnetic flux is concentrated in the magnetic core that contains the hall effect device. The primary current, which is proportional to the magnetic flux, is measured without electrical contact with the primary circuit providing galvanic isolation.

Features:
- Measure: DC, AC, and Pulsed waveforms
- Galvanic Isolation
- Zero Insertion Loss
- Fast Response
- Cost Effective

Specifications:
- Specifications are measured at +25°C, Load Resistor 10kΩ
- Response Time: 5µ sec. typ. (10µSec. Typ. for L08P Series)
- Operating Bandwidth (-3dB): L03S, L08P, L18P: DC- 50kHz; L07P: DC-35kHz (At higher frequencies derating is required to prevent core from overheating)
- Insulation Resistance @ 500VDC: more than 500MΩ
- Operating Temperature: -10°C to +80°C
- Output Linearity: ±1%

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Fig.	Nominal Primary DC Current	Output Voltage @ Nominal Current	Maximum Current	Power Supply	Offset Temperature Coefficient	Price Each		
								1	10	20
L03S Series										
838-L03S050D15	L03S050D15	A	±50AT	±4V	±150AT	±15V ±5%	<±2 mV/°C	15.62	12.22	11.20
838-L03S100D15	L03S100D15	A	±100AT	±4V	±300AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
838-L03S200D15	L03S200D15	A	±200AT	±4V	±600AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
838-L03S300D15	L03S300D15	A	±300AT	±4V	±700AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
838-L03S400D15	L03S400D15	A	±400AT	±4V	±700AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
838-L03S500D15	L03S500D15	A	±500AT	±4V	±700AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
838-L03S600D15	L03S600D15	A	±600AT	±4V	±700AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
L07P Series										
838-L07P003D15	L07P003D15	B	±3A	±4V	±9A	±15V ±5%	<±2 mV/°C	15.99	13.21	11.82
838-L07P005D15	L07P005D15	B	±5A	±4V	±15A	±15V ±5%	<±2 mV/°C	15.99	13.21	11.82
838-L07P010D15	L07P010D15	B	±10A	±4V	±30A	±15V ±5%	<±2 mV/°C	15.99	13.21	11.82
838-L07P015D15	L07P015D15	B	±15A	±4V	±45A	±15V ±5%	<±2 mV/°C	15.99	13.21	11.82
838-L07P020D15	L07P020D15	B	±20A	±4V	±60A	±15V ±5%	<±2 mV/°C	15.99	13.21	11.82
838-L07P025D15	L07P025D15	B	±25A	±4V	±75A	±15V ±5%	<±2 mV/°C	15.99	13.21	11.82
L08P Series										
838-L08P050D15	L08P050D15	C	±50AT	±4V	±150AT	±15V ±5%	<±2 mV/°C	15.62	12.22	11.20
838-L08P100D15	L08P100D15	C	±100AT	±4V	±300AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
838-L08P150D15	L08P150D15	C	±150AT	±4V	±350AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
838-L08P200D15	L08P200D15	C	±200AT	±4V	±350AT	±15V ±5%	<±1 mV/°C	15.62	12.22	11.20
L18P Series										
838-L18P003D15	L18P003D15	D	±3A	±4V	±9A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P005D15	L18P005D15	D	±5A	±4V	±15A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P010D15	L18P010D15	D	±10A	±4V	±30A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P015D15	L18P015D15	D	±15A	±4V	±45A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P020D15	L18P020D15	D	±20A	±4V	±60A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P025D15	L18P025D15	D	±25A	±4V	±60A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P030D15	L18P030D15	D	±30A	±4V	±90A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P040D15	L18P040D15	E	±40A	±4V	±120A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P050D15	L18P050D15	E	±50A	±4V	±150A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31
838-L18P060D15	L18P060D15	E	±60A	±4V	±180A	±15V ±5%	<±1.5 mV/°C	11.25	9.29	8.31

TAMURA CLOSED LOOP HALL EFFECT CURRENT SENSORS

The Tamura Closed Loop Hall Effect Current Sensor feeds back an opposing current into a secondary coil wound on the magnetic core to zero the flux produced in the magnetic core by the primary current. The output current of a closed loop current sensor is an exact representation of the primary current scaled by the number of turns in the second coil.

Features:
- Measures: DC, AC, and Pulsed waveforms
- Galvanic Isolation
- Zero Insertion Loss
- Fast Response
- Cost Effective

Specifications:
- Specifications are measured at +25°C, Load Resistor 10kΩ
- Operating Bandwidth: DC-200kHz 1dB (At higher frequencies derating is required to prevent core from overheating)
- Insulation Resistance @ 500VDC: more than 500MΩ
- Operating Temperature: -10°C to +85°C
- Output Linearity: ±0.25%
- Response Time: 1µ sec.

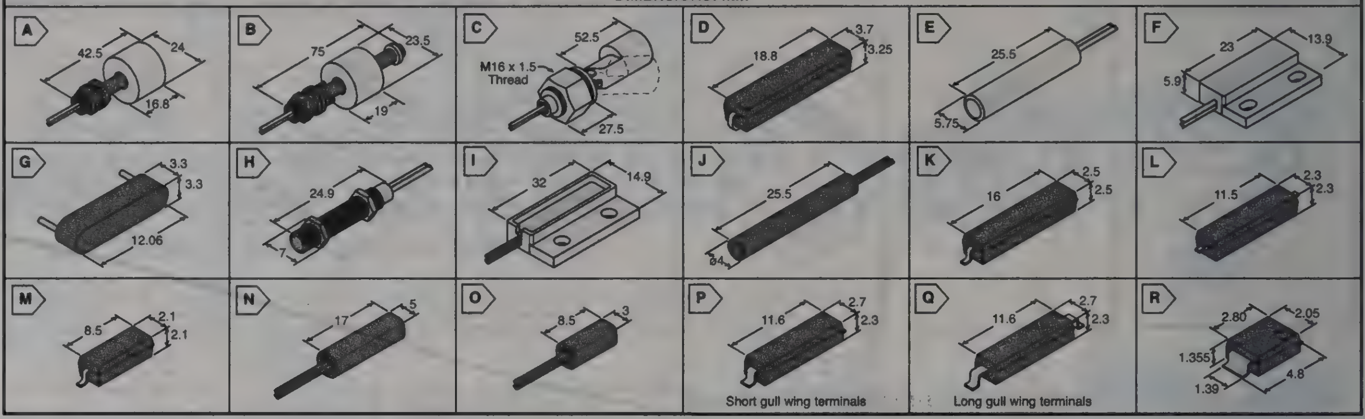
S22P Series

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Fig.	Nominal Primary R.M.S. Current	Maximum Current	Offset Voltage	Power Supply ±5%	Offset Temperature Coefficient	Price Each		
								1	10	20
838-S22P015S05	S22P015S05	F	±15A	±45A	2.5V±0.625V	5V	±0.05mV/°C	24.75	19.37	17.75
838-S22P025S05	S22P025S05	F	±25A	±75A	2.5V±0.625V	5V	±0.05mV/°C	24.75	19.37	17.75

MEDER Liquid Level and Reed Sensors

DIMENSIONS: mm



MEDER LS SERIES LIQUID LEVEL SENSORS

RoHS Compliant

Specifications:

- Switching power: 10W max.
- Switching voltage: 200VDC or peak AC max.
- Switching current: .05A DC or peak AC max.
- Contact Form: 1 Form A
- Materials: Shaft, nut, and float: polyamide black
  Seal: nitrile rubber

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Meder Part No.	Fig.	Cable Length Includes:	Price Each	
				1	25
876-LS01-1A71-PA500W	LS01-1A71-PA-500W	A	5mm of wire stripped and tinned	9.16	8.70
876-LS02-1A71-PA500W	LS02-1A71-PA-500W	B	30mm of separated wire with 5mm of wire stripped and tinned	9.80	9.31
876-LS03-1A71-PA500W	LS03-1A71-PA-500W	C	30mm of separated wire with 5mm of wire stripped and tinned	10.90	10.36

MEDER MK SERIES - REED SENSORS

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Meder Part No.	Fig.	Contact Form	Switching Power (max.)	Switching Voltage (max.)	Switching Current (max.)	Carry Current (max.)	Operate Time (incl. bounce) (max.)	Must Operate/ Release (max.)	Magnetic Sensitivity Pull in Range (mm)	Price Each	
											1	25
MK1 - Surface Mount												
876-MK1-H	MK1-H	D	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	15-20	4.08	3.88
MK3 - Cylindrical												
876-MK3-1A66B-500W	MK3-1A66B-500W	E	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	10-15	3.76	3.57
876-MK3-1A66C-500W	MK3-1A66C-500W	E	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	15-20	3.76	3.57
876-MK3-1B90C-500W	MK3-1B90C-500W	E	Form B	3 W	175 V	0.25 A	1.2 A	0.7 ms	35 / 30 AT	15-20	6.16	5.85
876-MK3-1C90C-500W	MK3-1C90C-500W	E	Form C	3 W	175 V	0.25 A	1.2 A	0.7 ms	35 / 30 AT	15-20	6.52	6.19
MK4 - Screw Fastening												
876-MK4-1A66B-500W	MK4-1A66B-500W	F	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	10-15	4.16	3.95
876-MK4-1B90C-500W	MK4-1B90C-500W	F	Form B	3 W	175 V	.025 A	1.2 A	0.7 ms	35 / 30 AT	15-20	6.60	6.27
876-MK4-1C90C-500W	MK4-1C90C-500W	F	Form C	3 W	175 V	.025 A	1.2 A	0.7 ms	35 / 30 AT	15-20	6.96	6.61
MK6 - PCB Mount												
*876-MK6-10-E	MK6-10-E	G	Form E	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	25-30	6.68	6.35
876-MK6-4-B	MK6-4-B	G	Form A	10 W	170 V	0.5 A	0.5 A	0.6 ms	30 / 27 AT	10-15	2.48	2.36
876-MK6-5-B	MK6-5-B	G	Form A	10 W	200 V	0.25 A	1.2 A	0.7 ms	30 / 27 AT	10-15	1.32	1.25
876-MK6-6-B	MK6-6-B	G	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	10-15	1.32	1.25
876-MK6-7-B	MK6-7-B	G	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	10-15	1.24	1.18
876-MK6-8-B	MK6-8-B	G	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	10-15	1.12	1.06
876-MK6-8-H	MK6-8-H	G	Form C	3 W	175 V	0.25 A	1.2 A	0.7 ms	30 / 27 AT	15-20	4.32	4.10
MK11 - Screw Thread Enclosure												
876-MK11-1A66B-500W	MK11-1A66B-500W	H	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 /27 AT	10-15	6.76	6.42
MK12 - Screw Fastening Holes												
876-MK12-1A66B-500W	MK12-1A66B-500W	I	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	10-15	4.32	4.10
MK14 - Cylindrical												
876-MK14-1A66B-200W	MK14-1A66B-200W	J	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	10-15	4.80	4.56
MK15 - Surface Mount												
876-MK15-B-2	MK15-B-2	K	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	10-15	1.08	1.03
876-MK15-C-2	MK15-C-2	K	Form A	10 W	200 V	0.5 A	1.25 A	0.5 ms	30 / 27 AT	15-20	1.08	1.03
MK16 - Surface Mount												
876-MK16-B-2	MK16-B-2	L	Form A	10 W	200 V	0.5 A	0.5 A	0.6 ms	20 / 18 AT	10-15	1.20	1.14
876-MK16-C-2	MK16-C-2	L	Form A	10 W	200 V	0.5 A	0.5 A	0.6 ms	20 / 18 AT	15-20	.78	.74
MK17 - Surface Mount												
**876-MK17-B-2	MK17-B-2	M	Form A	10 W	170 V	0.5 A	0.5 A	0.6 ms	20 / 18 AT	10-15	1.64	1.56
† 876-MK17-B-3	MK17-B-3	M	Form A	10 W	170 V	0.5 A	0.5 A	0.6 ms	20 / 18 AT	10-15	1.94	1.84
MK18 - Cylindrical												
876-MK18-B-100W	MK18-B-100W	N	Form A	10 W	200 V	0.5 A	0.5 A	0.6 ms	25 / 22 AT	10-15	5.20	4.94
876-MK18-C-100W	MK18-C-100W	N	Form A	10 W	200 V	0.5 A	0.5 A	0.6 ms	25 / 22 AT	15-20	5.20	4.94
MK20 - Cylindrical												
876-MK20-B-100W	MK20-B-100W	O	Form A	5 W	175 V	0.25 A	0.5 A	0.4 ms	25 / 22 AT	10-15	4.84	4.60
MK22 - Surface Mount												
876-MK22-B-2	MK22-B-2	P	Form A	20 W	200 V	1.0 A	1.25 A	0.5 ms	35 / 28 AT	10-15	.90	.86
876-MK22-B-4	MK22-B-4	Q	Form A	20 W	200 V	1.0 A	1.25 A	0.5 ms	35 / 28 AT	10-15	.90	.86

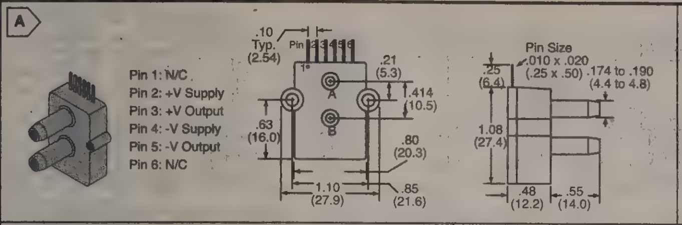
* Latching sensor opened or closed by passing magnet and remains in that state until a magnet of opposite polarity or direction passes by again **Flat, bent SMD leads †J-leads

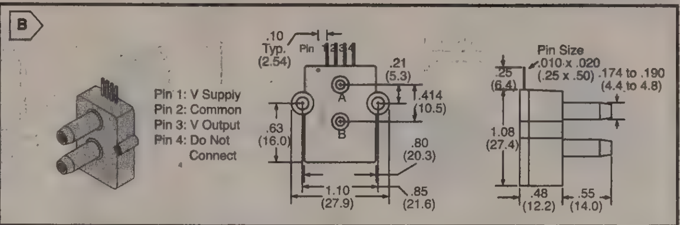
MEDER SMT MICRO MACHINED REED SENSORS

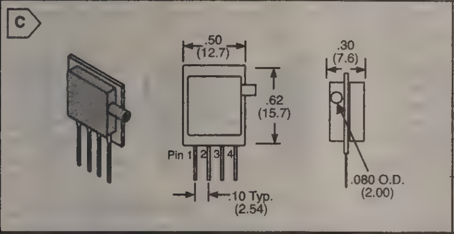
For quantities of 50 and up, call for quote.

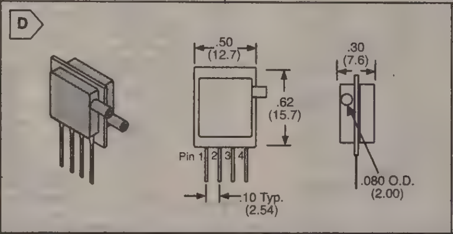
MOUSER STOCK NO.	Meder Part No.	Fig.	Contact Form	Switching Power (max.)	Switching Voltage (max.)	Switching Current (max.)	Carry Current (max.)	Operate Time (incl. bounce) (max.)	Magnetic Sensitivity Pull in Range (mm)	Price Each	
										1	25
876-MMS-B-2	MMS-B-2	R	Form A	0.3 W	3.0 V	100 A	100 A	1.0 ms	10-15	13.80	13.11

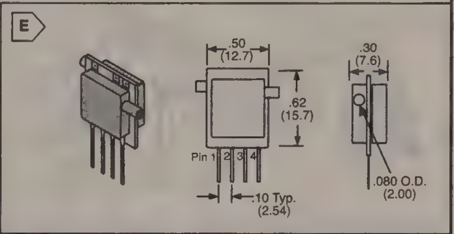
ALL SENSORS Silicon Pressure Sensors











DIMENSIONS: in. (mm)

All Sensors, Inc. pressure sensors are based on piezo-resistive semiconductor technology, broadly referred to as MEMS (micro electrical mechanical systems). Our products, both analog and digital, are based upon a proprietary technology to reduce errors. Output changes due to temperature, warm-up stability, long-term stability, and position sensitivity are all significantly reduced when compared to conventional compensation methods. These sensors are intended for use with non-corrosive, non-ionic working fluids, such as air and dry gases. Packaging is designed to be mounted to a printed-circuit board. Our highly linear pressure sensors are typically used as components in high accuracy instrumentation for markets such as: medical, HVAC, mine safety, off-road vehicles, chemical analysis, and environmental.

AMPLIFIED LOW PRESSURE SERIES

Specifications:
- Compensated temperature range: 5°C to 50°C
- Operating temperature: -25°C to +85°C
- Common-mode pressure: -10 to +10 psig
- Supply voltage: +4.5 to +5.5 VDC
- Ratiometric 4V output - output is ratiometric to supply voltage

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.
- Utilizes silicon, MEMs technology to provide very linear output to measured pressure

Applications:
- HVAC • Medical instrumentation • Environmental controls

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each		
						1	5	10
683-1MBARD4V	1 MBAR-D-4V	A	±1 mbar	Differential	±2.0 Volts	180.00	162.00	126.00
683-1INCHD4V	1 INCH-D-4V	A	±1" H2O	Differential	±2.0 Volts	110.00	99.00	77.00
683-1INCHG4V	1 INCH-G-4V	A	0-1" H2O	Gauge	±4.0 Volts	120.00	108.00	84.00
683-5INCHD4V	5 INCH-D-4V	A	±5" H2O	Differential	±2.0 Volts	110.00	99.00	77.00
683-5INCHG4V	5 INCH-G-4V	A	0-5" H2O	Gauge	±4.0 Volts	110.00	99.00	77.00
683-10INCHD4V	10 INCH-D-4V	A	±10" H2O	Differential	±2.0 Volts	110.00	99.00	77.00
683-10INCHG4V	10 INCH-G-4V	A	0-10" H2O	Gauge	±4.0 Volts	110.00	99.00	77.00
683-20INCHD4V	20 INCH-D-4V	A	±20" H2O	Differential	±2.0 Volts	110.00	99.00	77.00
683-20INCHG4V	20 INCH-G-4V	A	0-20" H2O	Gauge	±4.0 Volts	110.00	99.00	77.00
683-30INCHD4V	30 INCH-D-4V	A	±30" H2O	Differential	±2.0 Volts	110.00	99.00	77.00
683-30INCHG4V	30 INCH-G-4V	A	0-30" H2O	Gauge	±4.0 Volts	110.00	99.00	77.00

AMPLIFIED MEDIUM PRESSURE SENSORS

Specifications:
- Compensated temperature range: 5°C to 50°C • Operating temperature: -25°C to +85°C • Common-mode pressure: 50 psig • Supply voltage: +4.5 to +5.5 VDC • Ratiometric 4V output: output is ratiometric to supply voltage

For quantities of 25 and up, call for quote.

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.
- Utilizes silicon, MEMs technology to provide very linear output to measured pressure

Applications:
- HVAC • Medical instrumentation • Environmental controls

MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each		
						1	5	10
683-0.3PSID4V	0.3PSI-D-4V	A	±0.3 psid	Differential	±2.0 Volts	100.00	90.00	70.00
683-0.3PSIG4V	0.3PSI-G-4V	A	0-0.3 psig	Gauge	±4.0 Volts	100.00	90.00	70.00
683-1PSID4V	1PSI-D-4V	A	±1 psid	Differential	±2.0 Volts	100.00	90.00	70.00
683-1PSIG4V	1PSI-G-4V	A	0-1 psig	Gauge	±4.0 Volts	100.00	90.00	70.00
683-15PSIA4V	15PSI-A-4V	A	0-15 psia	Absolute	±4.0 Volts	100.00	90.00	70.00
683-15PSIG4V	15PSI-G-4V	A	0-15 psig	Gauge	±4.0 Volts	90.00	81.00	63.00

MILLIVOLT OUTPUT LOW PRESSURE SENSORS

Specifications:
- Compensated temperature range: 0°C to 50°C • Operating temperature: -25°C to +85°C • Common-mode pressure: -10 to +10 psig • Supply voltage: 16 VDC max. • Ratiometric output

For quantities of 25 and up, call for quote.

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.
- Utilizes silicon, MEMs technology to provide very linear output to measured pressure

Applications:
- HVAC • Medical instrumentation • Environmental controls

MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each		
						1	5	10
683-1INCHDMV	1INCH-D-MV	B	0-1" H2O	Differential	20 mV	80.00	72.00	56.00
683-5INCHDMV	5INCH-D-MV	B	0-5" H2O	Differential	20 mV	74.00	66.60	51.80
683-10INCHDMV	10INCH-D-MV	B	0-10" H2O	Differential	20 mV	74.00	66.60	51.80
683-20INCHDMV	20INCH-D-MV	B	0-20" H2O	Differential	20 mV	74.00	66.60	51.80
683-30INCHDMV	30INCH-D-MV	B	0-30" H2O	Differential	20 mV	74.00	66.60	51.80

MINIATURE MILLIVOLT OUTPUT LOW PRESSURE SENSORS

For quantities of 25 and up, call for quote.

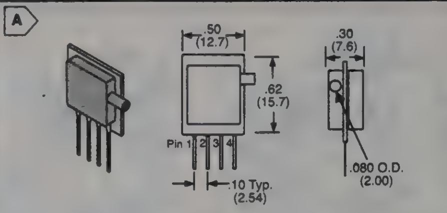
Specifications:
- Compensated temperature range: 0°C to 50°C
- Operating temperature: -25°C to +85°C
- Common-mode pressure: 10 psig
- Supply voltage: 16 VDC max.
- Ratiometric output

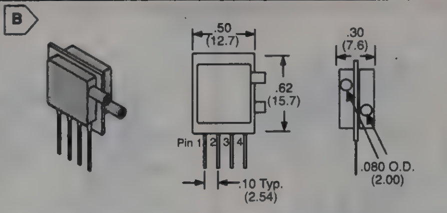
Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.
- Utilizes silicon, MEMs technology to provide very linear output to measured pressure

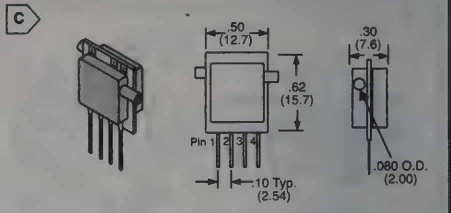
Applications:
- HVAC
- Medical instrumentation
- Environmental controls

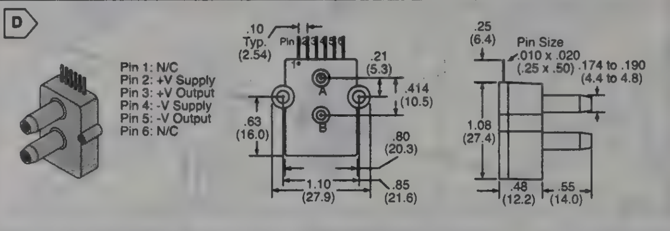
MOUSER STOCK NO.	All Sensors Part Number	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each		
						1	5	10
683-2INCHGMVMINI	2INCH-G-MV-MINI	C	0-2" H2O	Gauge	10 mV	70.00	63.00	49.00
683-2INCHD1MVMINI	2INCH-D1-MV-MINI	D	0-2" H2O	Differential	10 mV	70.00	63.00	49.00
683-2INCHD2MVMINI	2INCH-D2-MV-MINI	E	0-2" H2O	Differential	10 mV	70.00	63.00	49.00
683-5INCHGMVMINI	5INCH-G-MV-MINI	C	0-5" H2O	Gauge	20 mV	70.00	63.00	49.00
683-5INCHD1MVMINI	5INCH-D1-MV-MINI	D	0-5" H2O	Differential	20 mV	70.00	63.00	49.00
683-5INCHD2MVMINI	5INCH-D2-MV-MINI	E	0-5" H2O	Differential	20 mV	70.00	63.00	49.00
683-10INCHGMVMINI	10INCH-G-MV-MINI	C	0-10" H2O	Gauge	20 mV	70.00	63.00	49.00
683-10INCHD1MVMINI	10INCH-D1-MV-MINI	D	0-10" H2O	Differential	20 mV	70.00	63.00	49.00
683-10INCHD2MVMINI	10INCH-D2-MV-MINI	E	0-10" H2O	Differential	20 mV	70.00	63.00	49.00
683-20INCHGMVMINI	20INCH-G-MV-MINI	C	0-20" H2O	Gauge	20 mV	70.00	63.00	49.00
683-20INCHD1MVMINI	20INCH-D1-MV-MINI	D	0-20" H2O	Differential	20 mV	70.00	63.00	49.00
683-20INCHD2MVMINI	20INCH-D2-MV-MINI	E	0-20" H2O	Differential	20 mV	70.00	63.00	49.00
683-30INCHGMVMINI	30INCH-G-MV-MINI	C	0-30" H2O	Gauge	20 mV	70.00	63.00	49.00
683-30INCHD1MVMINI	30INCH-D1-MV-MINI	D	0-30" H2O	Differential	20 mV	70.00	63.00	49.00
683-30INCHD2MVMINI	30INCH-D2-MV-MINI	E	0-30" H2O	Differential	20 mV	70.00	63.00	49.00

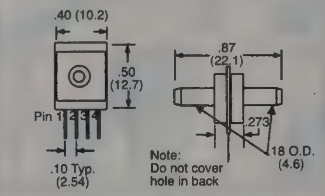
ALL SENSORS Silicon Pressure Sensors

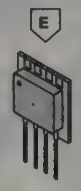


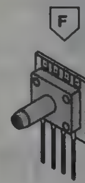


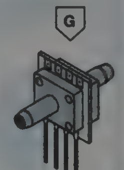












DIMENSIONS: In. (mm)

All Sensors, Inc. pressure sensors are based on piezo-resistive semiconductor technology, broadly referred to as MEMS (micro electrical mechanical systems). Our products, both analog and digital, are based upon a proprietary technology to reduce errors. Output changes due to temperature, warm-up stability, long-term stability, and position sensitivity are all significantly reduced when compared to conventional compensation methods. These sensors are intended for use with non-corrosive, non-ionic working fluids, such as air and dry gases. Packaging is designed to be mounted to a printed-circuit board. Our highly linear pressure sensors are typically used as components in high accuracy instrumentation for markets such as: medical, HVAC, mine safety, off-road vehicles, chemical analysis, and environmental.

Common Specifications:
- Compensated temperature range: 0°C to 70°C
- Operating temperature: -25°C to +85°C

Common Features:
- Utilizes silicon, MEMs technology to provide very linear output to measured pressure

Common Applications:
- HVAC • Medical instrumentation
- Environmental controls

MINIATURE BASIC PRESSURE SENSORS - 0.5% LINEARITY

Specifications:
- Common-mode pressure: 5 psig
- Supply voltage: 6 VDC max.

Features:
- Offset compensated
- Ratiometric output

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	All Sensors Part No.	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each		
						1	5	10
683-1INCHGBASIC	1INCH-G-BASIC	A	0-1" H2O	Gauge	7.0 mV	**50.00**	**45.00**	**35.00**
683-1INCHD1BASIC	1INCH-D1-BASIC	B	0-1" H2O	Differential	7.0 mV	**50.00**	**45.00**	**35.00**
683-1INCHD2BASIC	1INCH-D2-BASIC	C	0-1" H2O	Differential	7.0 mV	**50.00**	**45.00**	**35.00**
683-5INCHGBASIC	5INCH-G-BASIC	A	0-5" H2O	Gauge	22.5 mV	**50.00**	**45.00**	**35.00**
683-5INCHD1BASIC	5INCH-D1-BASIC	B	0-5" H2O	Differential	22.5 mV	**50.00**	**45.00**	**35.00**
683-5INCHD2BASIC	5INCH-D2-BASIC	C	0-5" H2O	Differential	22.5 mV	**50.00**	**45.00**	**35.00**
683-10INCHGBASIC	10INCH-G-BASIC	A	0-10" H2O	Gauge	30 mV	**50.00**	**45.00**	**35.00**
683-10INCHD1BASIC	10INCH-D1-BASIC	B	0-10" H2O	Differential	30 mV	**50.00**	**45.00**	**35.00**
683-10INCHD2BASIC	10INCH-D2-BASIC	C	0-10" H2O	Differential	30 mV	**50.00**	**45.00**	**35.00**
683-20INCHGBASIC	20INCH-G-BASIC	A	0-20" H2O	Gauge	30 mV	**50.00**	**45.00**	**35.00**
683-20INCHD1BASIC	20INCH-D1-BASIC	B	0-20" H2O	Differential	30 mV	**50.00**	**45.00**	**35.00**
683-20INCHD2BASIC	20INCH-D2-BASIC	C	0-20" H2O	Differential	30 mV	**50.00**	**45.00**	**35.00**
683-30INCHGBASIC	30INCH-G-BASIC	A	0-30" H2O	Gauge	30 mV	**50.00**	**45.00**	**35.00**
683-30INCHD1BASIC	30INCH-D1-BASIC	B	0-30" H2O	Differential	30 mV	**50.00**	**45.00**	**35.00**
683-30INCHD2BASIC	30INCH-D2-BASIC	C	0-30" H2O	Differential	30 mV	**50.00**	**45.00**	**35.00**

MILLIVOLT OUTPUT MEDIUM PRESSURE SENSORS - 0.25% ~ 1% LINEARITY

Specifications:
- Supply voltage: 16 VDC max.
- Ratiometric output

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.

0.25% Linearity • Common-mode pressure: 50 psig

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	All Sensors Part No.	Fig.	Operating Pressure	Pressure Type	Nominal Output Span	Price Each		
						1	5	10
683-0.3PSIDPRIMEMV	0.3PSI-D-PRIME-MV	D	0-0.3 psid	Differential	20 mV	**64.00**	**57.60**	**44.80**
683-1PSIDPRIMEMV	1PSI-D-PRIME-MV	D	0-1 psid	Differential	18 mV	**64.00**	**57.60**	**44.80**
683-15PSIAPRIMEMV	15PSI-A-PRIME-MV	D	0-15 psia	Absolute	60 mV	**64.00**	**57.60**	**44.80**

0.5% Linearity • Common-mode pressure: -10 to +10 psig

For quantities of 25 and up, call for quote.

683-0.3PSIDHGMV	0.3PSI-D-HGRADE-MV	D	0-0.3 psid	Differential	20 mV	**56.00**	**50.40**	**39.20**
683-1PSIDHGMV	1PSI-D-HGRADE-MV	D	0-1 psid	Differential	18 mV	**56.00**	**50.40**	**47.60**
683-5PSIDHGMV	5PSI-D-HGRADE-MV	D	0-5 psid	Differential	60 mV	**44.00**	**39.60**	**30.80**
683-15PSIAHGMV	15PSI-A-HGRADE-MV	D	0-15 psia	Absolute	60 mV	**44.00**	**39.60**	**30.80**
683-15PSIDHGMV	15PSI-D-HGRADE-MV	D	0-15 psid	Differential	90 mV	**44.00**	**39.60**	**30.80**

1% Linearity • Common-mode pressure: -10 to +10 psig

For quantities of 25 and up, call for quote.

683-0.3PSIDCGMV	0.3PSI-D-CGRADE-MV	D	0-0.3 psid	Differential	20 mV	**50.00**	**45.00**	**35.00**
683-1PSIDCGMV	1PSI-D-CGRADE-MV	D	0-1 psid	Differential	18 mV	**50.00**	**45.00**	**35.00**
683-15PSIACGMV	15PSI-A-CGRADE-MV	D	0-15 psia	Absolute	60 mV	**40.00**	**36.00**	**28.00**
683-4INCHDCGMV	4INCH-D-CGRADE-MV	D	0-4" H2O	Differential	40 mV	**56.00**	**50.40**	**39.20**

MINIATURE MILLIVOLT OUTPUT MEDIUM PRESSURE SENSORS - 0.5% LINEARITY

Specifications:
- Common-mode pressure: -10 to +10 psig
- Supply voltage: 16 VDC max.
- Ratiometric output

Features:
- Calibrated Zero and Span
- Based on proprietary technology to reduce all output offset or common mode errors.

For quantities of 25 and up, call for quote.

683-0.3PSIGHGMINI	0.3PSI-G-HGRADE-MINI	E	0-0.3 psig	Gauge	20 mV	**60.00**	**54.00**	**42.00**
683-0.3PSIGFHGMINI	0.3PSI-GF-HGRADE-MINI	F	0-0.3 psig	Gauge	20 mV	**60.00**	**54.00**	**42.00**
683-0.3PSIDHGMINI	0.3PSI-D-HGRADE-MINI	G	0-0.3 psid	Differential	20 mV	**60.00**	**54.00**	**42.00**
683-1PSIGHGMINI	1PSI-G-HGRADE-MINI	E	0-1 psig	Gauge	18 mV	**60.00**	**54.00**	**42.00**
683-1PSIGFHGMINI	1PSI-GF-HGRADE-MINI	F	0-1 psig	Gauge	18 mV	**60.00**	**54.00**	**42.00**
683-1PSIDHGMINI	1PSI-D-HGRADE-MINI	G	0-1 psid	Differential	18 mV	**60.00**	**54.00**	**42.00**
683-5PSIGHGMINI	5PSI-G-HGRADE-MINI	E	0-5 psig	Gauge	60 mV	**50.00**	**45.00**	**35.00**
683-5PSIGFHGMINI	5PSI-GF-HGRADE-MINI	F	0-5 psig	Gauge	60 mV	**50.00**	**45.00**	**35.00**
683-5PSIDHGMINI	5PSI-D-HGRADE-MINI	G	0-5 psid	Differential	60 mV	**50.00**	**45.00**	**35.00**
683-15PSIAHGMINI	15PSI-A-HGRADE-MINI	E	0-15 psia	Absolute	90 mV	**50.00**	**45.00**	**35.00**
683-15PSIAFHGMINI	15PSI-AF-HGRADE-MINI	F	0-15 psia	Absolute	90 mV	**50.00**	**45.00**	**35.00**
683-4INCHGHGMINI	4INCH-G-HGRADE-MINI	E	0-4" H2O	Gauge	25 mV	**60.00**	**54.00**	**42.00**
683-4INCHGFHGMINI	4INCH-GF-HGRADE-MINI	F	0-4" H2O	Gauge	25 mV	**60.00**	**54.00**	**42.00**
683-4INCHDHGMINI	4INCH-D-HGRADE-MINI	G	0-4" H2O	Differential	25 mV	**60.00**	**54.00**	**42.00**
683-10INCHGHGMINI	10INCH-G-HGRADE-MINI	E	0-10" H2O	Gauge	20 mV	**60.00**	**54.00**	**42.00**
683-10INCHGFHGMINI	10INCH-GF-HGRADE-MINI	F	0-10" H2O	Gauge	20 mV	**60.00**	**54.00**	**42.00**
683-10INCHDHGMINI	10INCH-D-HGRADE-MINI	G	0-10" H2O	Differential	20 mV	**60.00**	**54.00**	**42.00**

FREESCALE Pressure Sensors

freescale™
semiconductor

PRESSURE SENSORS

Freescale pressure sensors combine advanced piezoresistive sensor architecture with integrated circuit technology to offer a wide range of pressure sensing devices for automotive, medical, consumer and industrial applications.

Features:

- Broad portfolio of packaging and porting options for design flexibility
- Cost-effective
- Wide operating temperature range of -40°C to 125°C
- Fully signal conditioned, compensated and calibrated
- Interface seamlessly with Freescale processors
- Ratiometric to supply voltage

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Pressure Rating Max (psi)	Pressure Rating H20 Max (in)	Pressure Measurement Type	Price Each		
							1	25	100
Uncompensated									
841-MPXV10GC6U	MPXV10GC6U	A	Sm Outln SMT w/Axial Port	1.45	40	Gauge	**10.50**	**9.45**	**8.93**
841-MPXV10GC7U	MPXV10GC7U	B	Sm Outln DIP w/Axial Port	1.45	40	Gauge	**10.50**	**9.45**	**8.93**
841-MPXV53GC7U	MPXV53GC7U	B	Sm Outln DIP w/Axial Port	7	200	Gauge	**10.50**	**9.45**	**8.93**
Compensated									
841-MPX2053DP	MPX2053DP	C	4 Pin Unibody Dual Port	7	201	Differential	**13.06**	**11.75**	**11.10**
841-MPX2300DT1	MPX2300DT1	D	CHIP PAK	5.8	161	Gauge	**8.26**	**7.43**	**7.02**
841-MPX2301DT1	MPX2301DT1	D	CHIP PAK	5.8	161	Gauge	**8.26**	**7.43**	**7.02**
841-MPXC2011DT1	MPXC2011DT1	D	CHIP PAK	1.45	40	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2010D	MPXM2010D	E	Sensor M-Pak 05	1.45	40	Differential	**9.00**	**8.10**	**7.65**
841-MPXM2010DT1	MPXM2010DT1	E	Sensor M-Pak 05	1.45	40	Differential	**9.00**	**8.10**	**7.65**
841-MPXM2010GS	MPXM2010GS	F	Sensor M-Pak 05 Ported	1.45	40	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2010GST1	MPXM2010GST1	F	Sensor M-Pak 05 Ported	1.45	40	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2051GS	MPXM2051GS	F	Sensor M-Pak 05 Ported	7	201	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2051GST1	MPXM2051GST1	F	Sensor M-Pak 05 Ported	7	201	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2053D	MPXM2053D	E	Sensor M-Pak 05	7	201	Differential	**9.00**	**8.10**	**7.65**
841-MPXM2053DT1	MPXM2053DT1	E	Sensor M-Pak 05	7	201	Differential	**9.00**	**8.10**	**7.65**
841-MPXM2053GS	MPXM2053GS	F	Sensor M-Pak 05 Ported	7	201	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2053GST1	MPXM2053GST1	F	Sensor M-Pak 05 Ported	7	201	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2102A	MPXM2102A	E	Sensor M-Pak 05	14.5	400	Absolute	**9.00**	**8.10**	**7.65**
841-MPXM2102AS	MPXM2102AS	F	Sensor M-Pak 05 Ported	14.5	400	Absolute	**9.00**	**8.10**	**7.65**
841-MPXM2102AST1	MPXM2102AST1	F	Sensor M-Pak 05 Ported	14.5	400	Absolute	**9.00**	**8.10**	**7.65**
841-MPXM2102AT1	MPXM2102AT1	E	Sensor M-Pak 05	14.5	400	Absolute	**9.00**	**8.10**	**7.65**
841-MPXM2102D	MPXM2102D	E	Sensor M-Pak 05	14.5	400	Differential	**9.00**	**8.10**	**7.65**
841-MPXM2102GS	MPXM2102GS	F	Sensor M-Pak 05 Ported	14.5	400	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2102GST1	MPXM2102GST1	F	Sensor M-Pak 05 Ported	14.5	400	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2202A	MPXM2202A	E	Sensor M-Pak 05	29	800	Absolute	**9.00**	**8.10**	**7.65**
841-MPXM2202AS	MPXM2202AS	F	Sensor M-Pak 05 Ported	29	800	Absolute	**9.00**	**8.10**	**7.65**
841-MPXM2202D	MPXM2202D	E	Sensor M-Pak 05	29	800	Differential	**9.00**	**8.10**	**7.65**
841-MPXM2202DT1	MPXM2202DT1	E	Sensor M-Pak 05	29	800	Differential	**9.00**	**8.10**	**7.65**
841-MPXM2202GS	MPXM2202GS	F	Sensor M-Pak 05 Ported	29	800	Gauge	**9.00**	**8.10**	**7.65**
841-MPXM2202GST1	MPXM2202GST1	F	Sensor M-Pak 05 Ported	29	800	Gauge	**9.00**	**8.10**	**7.65**
841-MPXV2010DP	MPXV2010DP	G	Sensor 8 Pin Dual Port	1.45	40	Differential	**10.50**	**9.45**	**8.93**
841-MPXV2010GP	MPXV2010GP	H	Sensor 8 Pin GP	1.45	40	Gauge	**10.50**	**9.45**	**8.93**
841-MPXV2053DP	MPXV2053DP	G	Sensor 8 Pin Dual Port	7	201	Differential	**10.50**	**9.45**	**8.93**
841-MPXV2053GP	MPXV2053GP	H	Sensor 8 Pin GP	7	201	Gauge	**10.50**	**9.45**	**8.93**
841-MPXV2102DP	MPXV2102DP	G	Sensor 8 Pin Dual Port	14.5	400	Differential	**10.50**	**9.45**	**8.93**
841-MPXV2102GP	MPXV2102GP	H	Sensor 8 Pin GP	14.5	400	Gauge	**10.50**	**9.45**	**8.93**
841-MPXV2202DP	MPXV2202DP	G	Sensor 8 Pin Dual Port	29	800	Differential	**10.50**	**9.45**	**8.93**
841-MPXV2202GC6T1	MPXV2202GC6T1	A	Sm Outln SMT w/Axial Port	29	800	Gauge	**10.50**	**9.45**	**8.93**
841-MPXV2202GP	MPXV2202GP	H	Sensor 8 Pin GP	29	800	Gauge	**10.50**	**9.45**	**8.93**

INTEGRATED PRESSURE SENSORS

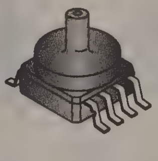
To make the designer's job even easier, Freescale integrated devices carry sensor technology one step further. In addition to the on-chip temperature compensation and calibration offered currently on the 2000 series, amplifier signal conditioning has been integrated on-chip in the 4000, 5000 and 6000 series to allow interface directly to any microcomputer with an on-board A/D converter. The signal conditioning is accomplished by means of a four-stage amplification network, incorporating linear bipolar processing, thin film metallization techniques, and interactive laser trimming to provide the state-of-the-art in sensor technology.

Features:

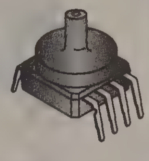
- Broad portfolio of packaging and porting options for design flexibility
- Cost-effective
- Wide operating temperature range of -40°C to 125°C
- Fully signal conditioned, compensated and calibrated
- Interface seamlessly with Freescale processors
- Ratiometric to supply voltage

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Pressure Rating Max (psi)	Pressure Rating H20 Max (in)	Pressure Measurement Type	Price Each		
							1	25	100
841-MPVZ4006G6T1	MPVZ4006G6T1	I	Small Outline SMT	0.87	24	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ4006G6U	MPVZ4006G6U	I	Small Outline SMT	0.87	24	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ4006G7U	MPVZ4006G7U	J	Small Outline DIP	0.87	24	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ4006GW6U	MPVZ4006GW6U	K	SOP 8 Sifel w/M-Port	0.87	24	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ4006GW7U	MPVZ4006GW7U	L	SOP 8 w/M-Port	0.87	24	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ5004G6T1	MPVZ5004G6T1	I	Small Outline SMT	0.57	16	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ5004G6U	MPVZ5004G6U	I	Small Outline SMT	0.57	16	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ5004G7U	MPVZ5004G7U	J	Small Outline DIP	0.57	16	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ5004GW6U	MPVZ5004GW6U	K	SOP 8 SIFEL W/M-PORT	0.57	16	Gauge	**16.20**	**14.99**	**13.37**
841-MPVZ5004GW7U	MPVZ5004GW7U	L	SOP 8 w/M-Port	0.57	16	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ5010G6T1	MPVZ5010G6T1	I	Small Outline SMT	1.45	40	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ5010G6U	MPVZ5010G6U	I	Small Outline SMT	1.45	40	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ5010G7U	MPVZ5010G7U	J	Small Outline DIP	1.45	40	Gauge	**16.20**	**14.18**	**13.77**
841-MPVZ5010GW6U	MPVZ5010GW6U	K	SOP 8 SIFEL W/M-PORT	1.45	40	Gauge	**16.20**	**14.99**	**13.37**
841-MPVZ5010GW7U	MPVZ5010GW7U	L	SOP 8 w/M-Port	1.45	40	Gauge	**16.20**	**14.18**	**13.77**
841-MPX4100AP1	MPX4100AP1	N	6 Pin Unibody Gauge Port	15.2	422	Absolute	**15.60**	**13.65**	**13.26**
841-MPX4115AP	MPX4115AP	N	6 Pin Unibody Gauge Port	16.7	462	Absolute	**15.60**	**13.65**	**13.26**
841-MPX4250A	MPX4250A	M	6 Pin Unibody	36	1000	Absolute	**15.60**	**13.65**	**13.26**
841-MPX4250AP	MPX4250AP	N	6 Pin Unibody Gauge Port	36	1000	Absolute	**15.21**	**13.81**	**13.26**
841-MPX4250D	MPX4250D	M	6 Pin Unibody	36	1000	Differential	**15.21**	**13.81**	**13.26**
841-MPX4250DP	MPX4250DP	P	6 Pin Unibody Dual Port	36	1000	Differential	**15.21**	**13.81**	**13.26**
841-MPX4250GP	MPX4250GP	N	6 Pin Unibody Gauge Port	36	1000	Gauge	**15.21**	**13.81**	**13.26**
841-MPX5010D	MPX5010D	M	6 Pin Unibody	1.45	40	Differential	**15.21**	**13.81**	**13.26**
841-MPX5010DP	MPX5010DP	P	6 Pin Unibody Dual Port	1.45	40	Differential	**15.21**	**13.81**	**13.26**
841-MPX5010DP1	MPX5010DP1	P	6 Pin Unibody Dual Port	1.45	40	Differential	**15.21**	**13.81**	**13.26**
841-MPX5010GP	MPX5010GP	N	6 Pin Unibody Gauge Port	1.45	40	Gauge	**15.21**	**13.81**	**13.26**
841-MPX5010GS	MPX5010GS	O	6 Pin Unibody Stovpipe Port	1.45	40	Gauge	**15.21**	**13.81**	**13.26**
841-MPX5050D	MPX5050D	M	6 Pin Unibody	7.25	201	Differential	**15.21**	**13.81**	**13.26**
841-MPX5050DP	MPX5050DP	P	6 Pin Unibody Dual Port	7.25	201	Differential	**15.21**	**13.81**	**13.26**

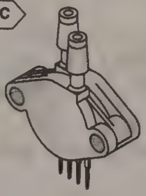
A



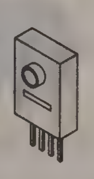
B



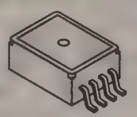
C



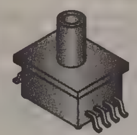
D



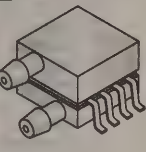
E



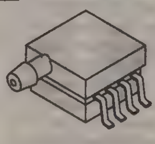
F



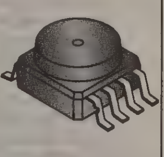
G



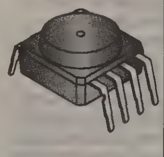
H



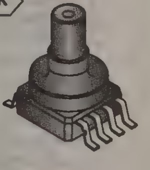
I



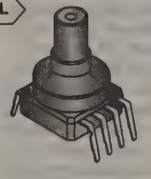
J



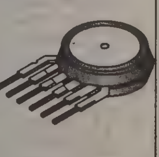
K



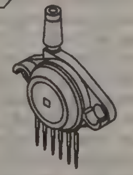
L



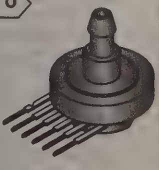
M



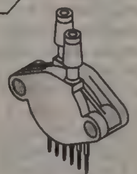
N



O



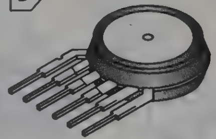
P

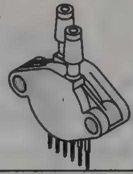


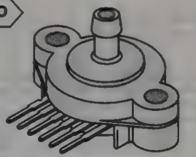
FREESCALE Pressure Sensors

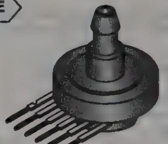
freescale™ semiconductor

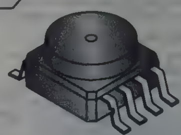
A

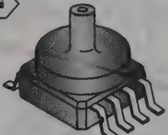
B


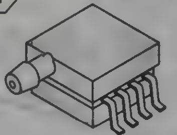
C


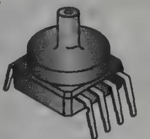
D


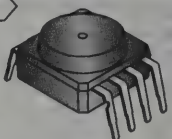
E


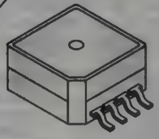
F


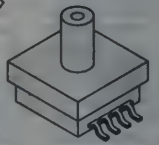
G


H


I


J


K


L


INTEGRATED PRESSURE SENSORS (CONT.)

To make the designer's job even easier, Freescale integrated devices carry sensor technology one step further. In addition to the on-chip temperature compensation and calibration offered currently on the 2000 series, amplifier signal conditioning has been integrated on-chip in the 4000, 5000 and 6000 series to allow interface directly to any microcomputer with an on-board A/D converter. The signal conditioning is accomplished by means of a four-stage amplification network, incorporating linear bipolar processing, thin film metallization techniques, and interactive laser trimming to provide the state-of-the-art in sensor technology.

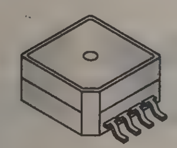
Features:

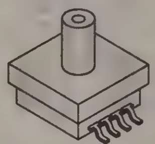
- Broad portfolio of packaging and porting options for design flexibility
- Cost-effective
- Wide operating temperature range of -40°C to 125°C
- Fully signal conditioned, compensated and calibrated
- Interface seamlessly with Freescale processors
- Ratiometric to supply voltage

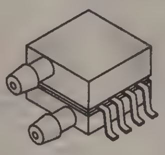
For quantities of 200 and up, call for quote.

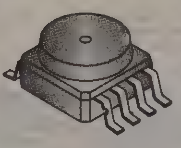
MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Pressure Rating Max (psi)	Pressure Rating H2O Max (in)	Pressure Measurement Type	Price Each		
							1	25	100
841-MPX5050GP	MPX5050GP	A	6 Pin Unibody Gauge Port	7.25	201	Gauge	15.21	13.81	13.26
841-MPX5050GP1	MPX5050GP1	A	6 Pin Unibody Gauge Port	7.25	201	Gauge	15.21	13.81	13.26
841-MPX5100A	MPX5100A	B	6 Pin Unibody	16.7	462	Absolute	15.21	13.81	13.26
841-MPX5100AP	MPX5100AP	A	6 Pin Unibody Gauge Port	16.7	462	Absolute	15.21	13.81	13.26
841-MPX5100D	MPX5100D	B	6 Pin Unibody	14.5	401	Differential	15.21	13.81	13.26
841-MPX5100DP	MPX5100DP	C	6 Pin Unibody Dual Port	14.5	401	Differential	15.21	13.81	13.26
841-MPX5100GP	MPX5100GP	A	6 Pin Unibody Gauge Port	14.5	401	Differential	15.21	13.81	13.26
841-MPX5100GSX	MPX5100GSX	D	6 Pin Unibody Axial Port	14.5	401	Differential	15.21	13.81	13.26
841-MPX5500D	MPX5500D	B	6 Pin Unibody	72.5	2000	Differential	15.21	13.81	13.26
841-MPX5500DP	MPX5500DP	C	6 Pin Unibody Dual Port	72.5	2000	Differential	15.21	13.81	13.26
841-MPX5700A	MPX5700A	B	6 Pin Unibody	102	2810	Absolute	15.21	13.81	13.26
841-MPX5700AP	MPX5700AP	A	6 Pin Unibody Gauge Port	102	2810	Absolute	15.21	13.81	13.26
841-MPX5700AS	MPX5700AS	E	6 Pin Unibody Stovpipe Port	102	2810	Absolute	15.21	13.81	13.26
841-MPX5700ASX	MPX5700ASX	D	6 Pin Unibody Axial Port	102	2810	Absolute	15.21	13.81	13.26
841-MPX5700D	MPX5700D	B	6 Pin Unibody	102	2810	Differential	15.21	13.81	13.26
841-MPX5700DP	MPX5700DP	C	6 Pin Unibody Dual Port	102	2810	Differential	15.21	13.81	13.26
841-MPX5700GP	MPX5700GP	A	6 Pin Unibody Gauge Port	102	2810	Gauge	15.21	13.81	13.26
841-MPX5700GP1	MPX5700GP1	A	6 Pin Unibody Gauge Port	102	2810	Gauge	15.21	13.81	13.26
841-MPX5700GS	MPX5700GS	E	6 Pin Unibody Stovpipe Port	102	2810	Gauge	15.21	13.81	13.26
841-MPX5999D	MPX5999D	B	6 Pin Unibody	150	4150	Differential	15.21	13.81	13.26
841-MPXA4100A6T1	MPXA4100A6T1	F	Small Outline SMT	15.2	422	Absolute	14.63	13.28	12.75
841-MPXA4100A6U	MPXA4100A6U	F	Small Outline SMT	15.2	422	Absolute	14.63	13.28	12.75
841-MPXA4100AC6U	MPXA4100AC6U	G	Sm Outln w/Axial Port	15.2	422	Absolute	14.63	13.28	12.75
841-MPXA4101AC6U	MPXA4101AC6U	G	Sm Outln w/Axial Port	14.8	410	Absolute	14.63	13.28	12.75
841-MPXA4115A6T1	MPXA4115A6T1	F	Small Outline SMT	16.7	462	Absolute	14.63	13.28	12.75
841-MPXA4115A6U	MPXA4115A6U	F	Small Outline SMT	16.7	462	Absolute	14.63	13.28	12.75
841-MPXA4115AC6U	MPXA4115AC6U	G	Sm Outln w/Axial Port	16.7	462	Absolute	14.63	13.28	12.75
841-MPXA4115AP	MPXA4115AP	H	Sensor 8 Pin GP	16.7	462	Absolute	14.63	13.28	12.75
841-MPXA4250A6U	MPXA4250A6U	F	Small Outline SMT	36	1000	Absolute	14.63	13.28	12.75
841-MPXA4250AC6T1	MPXA4250AC6T1	G	Sm Outln w/Axial Port	36	1000	Absolute	14.63	13.28	12.75
841-MPXA4250AC6U	MPXA4250AC6U	G	Sm Outln w/Axial Port	36	1000	Absolute	14.63	13.28	12.75
841-MPXA6115A6T1	MPXA6115A6T1	F	Small Outline SMT	16.7	462	Absolute	14.63	13.28	12.75
841-MPXA6115A6U	MPXA6115A6U	F	Small Outline SMT	16.7	462	Absolute	14.63	13.28	12.75
841-MPXA6115AC6T1	MPXA6115AC6T1	G	Sm Outln w/Axial Port	16.7	462	Absolute	14.63	13.28	12.75
841-MPXA6115AC6U	MPXA6115AC6U	G	Sm Outln w/Axial Port	16.7	462	Absolute	14.63	13.28	12.75
841-MPXA6115AC7U	MPXA6115AC7U	I	Sm Outln DIP w/Axial Port	16.7	462	Absolute	14.63	13.28	12.75
841-MPXAZ4100A6U	MPXAZ4100A6U	F	Small Outline SMT	15.2	422	Absolute	15.37	13.95	13.40
841-MPXAZ4100AC6U	MPXAZ4100AC6U	G	Sm Outln w/Axial Port	15.2	422	Absolute	15.37	13.95	13.40
841-MPXAZ4115A6T1	MPXAZ4115A6T1	F	Small Outline SMT	16.7	462	Absolute	15.37	13.95	13.40
841-MPXAZ4115A6U	MPXAZ4115A6U	F	Small Outline SMT	16.7	462	Absolute	15.37	13.95	13.40
841-MPXAZ4115AC6U	MPXAZ4115AC6U	G	Sm Outln w/Axial Port	16.7	462	Absolute	15.37	13.95	13.40
841-MPXAZ6115A6U	MPXAZ6115A6U	F	Small Outline SMT	16.7	462	Absolute	15.37	13.95	13.40
841-MPXAZ6115A7U	MPXAZ6115A7U	J	Small Outline DIP	16.7	462	Absolute	15.37	13.95	13.40
841-MPXAZ6115AC6T1	MPXAZ6115AC6T1	G	Sm Outln w/Axial Port	16.7	462	Absolute	15.37	13.95	13.40
841-MPXAZ6115AC6U	MPXAZ6115AC6U	G	Sm Outln w/Axial Port	16.7	462	Absolute	15.37	13.95	13.40
841-MPXAZ6115AP	MPXAZ6115AP	H	Sensor 8 Pin GP	16.7	462	Absolute	15.37	13.95	13.40
841-MPXAZ6115APT1	MPXAZ6115APT1	H	Sensor 8 Pin GP	16.7	462	Absolute	15.37	13.95	13.40
841-MPXH6101A6T1	MPXH6101A6T1	K	Sensor SSOP 08 w/o Port	14.8	410	Absolute	14.63	13.28	12.75
841-MPXH6101A6U	MPXH6101A6U	K	Sensor SSOP 08 w/o Port	14.8	410	Absolute	14.63	13.28	12.75
841-MPXH6101AC6T1	MPXH6101AC6T1	L	Sensor SSOP 08 Ported	14.8	410	Absolute	14.63	13.28	12.75
841-MPXH6101AC6U	MPXH6101AC6U	L	Sensor SSOP 08 Ported	14.8	410	Absolute	14.63	13.28	12.75
841-MPXH6115A6T1	MPXH6115A6T1	K	Sensor SSOP 08 w/o Port	16.7	462	Absolute	14.63	13.28	12.75
841-MPXH6115A6U	MPXH6115A6U	K	Sensor SSOP 08 w/o Port	16.7	462	Absolute	14.63	13.28	12.75
841-MPXH6115AC6T1	MPXH6115AC6T1	L	Sensor SSOP 08 Ported	16.7	462	Absolute	14.63	13.28	12.75
841-MPXH6115AC6U	MPXH6115AC6U	L	Sensor SSOP 08 Ported	16.7	462	Absolute	14.63	13.28	12.75
841-MPXH6250A6T1	MPXH6250A6T1	K	Sensor SSOP 08 w/o Port	36	1000	Absolute	14.63	13.28	12.75

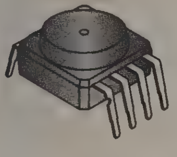
FREESCALE Pressure Sensors

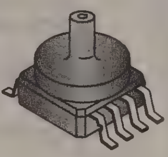
A


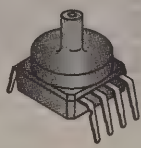
B


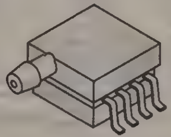
C


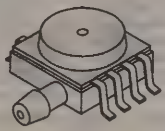
D


E


F


G


H


I


INTEGRATED PRESSURE SENSORS (CONT.)

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Fig.	Package	Pressure Rating Max (psi)	Pressure Rating H2O Max (in)	Pressure Measurement Type	Price Each		
							1	25	100
841-MPXH6250A6U	MPXH6250A6U	A	Sensor SSOP 08 w/o Port	36	1000	Absolute	14.63	13.28	12.75
841-MPXH6250AC6T1	MPXH6250AC6T1	B	Sensor SSOP 08 Ported	36	1000	Absolute	14.63	13.28	12.75
841-MPXH6250AC6U	MPXH6250AC6U	B	Sensor SSOP 08 Ported	36	1000	Absolute	14.63	13.28	12.75
841-MPXH6300A6T1	MPXH6300A6T1	A	Sensor SSOP 08 w/o Port	44	1200	Absolute	14.63	13.28	12.75
841-MPXH6300A6U	MPXH6300A6U	A	Sensor SSOP 08 w/o Port	44	1200	Absolute	14.63	13.28	12.75
841-MPXH6300AC6T1	MPXH6300AC6T1	B	Sensor SSOP 08 Ported	44	1200	Absolute	14.63	13.28	12.75
841-MPXH6300AC6U	MPXH6300AC6U	B	Sensor SSOP 08 Ported	44	1200	Absolute	14.63	13.28	12.75
841-MPXH6400A6T1	MPXH6400A6T1	A	Sensor SSOP 08 w/o Port	58	1605	Absolute	14.63	13.28	12.75
841-MPXH6400A6U	MPXH6400A6U	A	Sensor SSOP 08 w/o Port	58	1605	Absolute	14.63	13.28	12.75
841-MPXH6400AC6T1	MPXH6400AC6T1	B	Sensor SSOP 08 Ported	58	1605	Absolute	14.63	13.28	12.75
841-MPXH6400AC6U	MPXH6400AC6U	B	Sensor SSOP 08 Ported	58	1605	Absolute	14.63	13.28	12.75
841-MPXHZ6115A6T1	MPXHZ6115A6T1	A	Sensor SSOP 08 w/o Port	16.7	462	Absolute	15.37	13.95	13.40
841-MPXHZ6115A6U	MPXHZ6115A6U	A	Sensor SSOP 08 w/o Port	16.7	462	Absolute	15.37	13.95	13.40
841-MPXHZ6115AC6T1	MPXHZ6115AC6T1	B	Sensor SSOP 08 Ported	16.7	462	Absolute	15.37	13.95	13.40
841-MPXHZ6115AC6U	MPXHZ6115AC6U	B	Sensor SSOP 08 Ported	16.7	462	Absolute	15.37	13.95	13.40
841-MPXHZ6250AC6T1	MPXHZ6250AC6T1	B	Sensor SSOP 08 Ported	36	1000	Absolute	15.37	13.95	13.40
841-MPXHZ6400AC6T1	MPXHZ6400AC6T1	B	Sensor SSOP 08 Ported	58	1605	Absolute	15.37	13.95	13.40
841-MPXV4006DP	MPXV4006DP	C	Sensor 8 Pin Dual Port	0.87	24	Differential	15.21	13.81	13.26
841-MPXV4006G6U	MPXV4006G6U	D	Small Outline SMT	0.87	24	Gauge	15.21	13.81	13.26
841-MPXV4006G7U	MPXV4006G7U	E	Small Outline DIP	0.87	24	Gauge	15.21	13.81	13.26
841-MPXV4006GC6T1	MPXV4006GC6T1	F	Small Outline w/Axial Port	0.87	24	Gauge	15.21	13.81	13.26
841-MPXV4006GC6U	MPXV4006GC6U	F	Small Outline w/Axial Port	0.87	24	Gauge	15.21	13.81	13.26
841-MPXV4006GC7U	MPXV4006GC7U	G	Small Outline DIP w/Axial Port	0.87	24	Gauge	15.21	13.81	13.26
841-MPXV4006GP	MPXV4006GP	H	Sensor 8 Pin GP	0.87	24	Gauge	15.21	13.81	13.26
841-MPXV4115V6T1	MPXV4115V6T1	D	Small Outline SMT	16.7	462	Vacuum	14.63	13.28	12.75
841-MPXV4115V6U	MPXV4115V6U	D	Small Outline SMT	16.7	462	Vacuum	14.63	13.28	12.75
841-MPXV4115VC6U	MPXV4115VC6U	F	Small Outline w/Axial Port	16.7	462	Vacuum	14.63	13.28	12.75
841-MPXV5004DP	MPXV5004DP	C	Sensor 8 Pin Dual Port	0.57	16	Differential	15.60	14.43	12.87
841-MPXV5004G6U	MPXV5004G6U	D	Small Outline SMT	0.57	16	Gauge	15.60	14.44	12.88
841-MPXV5004G7U	MPXV5004G7U	E	Small Outline DIP	0.57	16	Gauge	15.60	14.44	12.88
841-MPXV5004GC6T1	MPXV5004GC6T1	F	Small Outline SMT w/Axial Port	0.57	16	Gauge	15.60	14.43	12.87
841-MPXV5004GC6U	MPXV5004GC6U	F	Small Outline SMT w/Axial Port	0.57	16	Gauge	15.60	14.43	12.87
841-MPXV5004GC7U	MPXV5004GC7U	G	Small Outline DIP w/Axial Port	0.57	16	Gauge	15.60	14.43	12.87
841-MPXV5004GP	MPXV5004GP	H	Sensor 8 Pin GP	0.57	16	Gauge	15.60	14.43	12.87
841-MPXV5004GPT1	MPXV5004GPT1	H	Sensor 8 Pin GP	0.57	16	Gauge	15.60	14.44	12.88
841-MPXV5004GVP	MPXV5004GVP	I	Sensor 8 Pin GVP	0.57	16	Vacuum	15.60	14.43	12.87
841-MPXV5010DP	MPXV5010DP	C	Sensor 8 Pin Dual Port	1.45	40	Differential	15.60	14.44	12.88
841-MPXV5010G6U	MPXV5010G6U	D	Small Outline SMT	1.45	40	Gauge	15.60	14.44	12.88
841-MPXV5010GC6T1	MPXV5010GC6T1	F	Small Outline SMT w/Axial Port	1.45	40	Gauge	15.60	14.44	12.88
841-MPXV5010GC6U	MPXV5010GC6U	F	Small Outline SMT w/Axial Port	1.45	40	Gauge	15.60	14.44	12.88
841-MPXV5010GC7U	MPXV5010GC7U	G	Small Outline DIP w/Axial Port	1.45	40	Gauge	15.60	14.44	12.88
841-MPXV5010GP	MPXV5010GP	H	Sensor 8 Pin GP	1.45	40	Gauge	15.60	14.44	12.88
841-MPXV5050DP	MPXV5050DP	C	Sensor 8 Pin Dual Port	7.25	201	Differential	15.60	14.44	12.88
841-MPXV5050GP	MPXV5050GP	H	Sensor 8 Pin GP	7.25	201	Gauge	15.60	14.44	12.88
841-MPXV5050VC6T1	MPXV5050VC6T1	F	Small Outline SMT w/Axial Port	7.25	201	Absolute	15.00	13.88	12.38
841-MPXV5100DP	MPXV5100DP	C	Sensor 8 Pin Dual Port	14.5	401	Absolute	15.00	13.88	12.38
841-MPXV5100GC6U	MPXV5100GC6U	G	Small Outline SMT w/Axial Port	14.5	401	Absolute	15.00	13.88	12.38
841-MPXV5100GC7U	MPXV5100GC7U	G	Small Outline DIP w/Axial Port	14.5	401	Absolute	15.00	13.88	12.38
841-MPXV6115VC6U	MPXV6115VC6U	F	Small Outline SMT w/Axial Port	16.7	462	Vacuum	15.60	14.44	12.88
841-MPXV7002DP	MPXV7002DP	C	Sensor 8 Pin Dual Port	0.3	8	Differential	15.60	14.44	12.88
841-MPXV7002DPT1	MPXV7002DPT1	C	Sensor 8 Pin Dual Port	0.3	8	Differential	15.60	14.44	12.88
841-MPXV7007DP	MPXV7007DP	C	Sensor 8 Pin Dual Port	1	28	Differential	15.60	14.44	12.88
841-MPXV7007GC6T1	MPXV7007GC6T1	F	Small Outline SMT w/Axial Port	1	28	Gauge	15.60	14.44	12.88
841-MPXV7007GC6U	MPXV7007GC6U	F	Small Outline SMT w/Axial Port	1	28	Gauge	15.60	14.44	12.88
841-MPXV7007GP	MPXV7007GP	H	Sensor 8 Pin GP	1	28	Gauge	15.60	14.44	12.88
841-MPXV7025DP	MPXV7025DP	C	Sensor 8 Pin Dual Port	3.6	100	Differential	15.60	14.44	12.88
841-MPXV7025GC6U	MPXV7025GC6U	F	Small Outline SMT w/Axial Port	3.6	100	Gauge	15.60	14.44	12.88

MSI SENSORS Pressure Sensors

MODEL 1451: SURFACE MOUNT PRESSURE SENSOR

Features:
- ±0.25% Non-linearity Accuracy
- Solid State Reliability
- 0-60 mV Output
- Low Power
- Low Cost

Applications:
- Altitude Measurement
- Barometric Pressure
- Medical Instrumentation
- Consumer Appliances

Surface Mount w/ tube pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-1451-005G-T	1451-005G-T	A	0-5psig	Gauge	23.40	22.46	21.76
824-1451-015G-T	1451-015G-T	A	0-15psig	Gauge	23.40	22.46	21.76
824-1451-015A-T	1451-015A-T	A	0-15psia	Absolute	23.40	22.46	21.76
824-1451-030A-T	1451-030A-T	A	0-30psia	Absolute	23.40	22.46	21.76
824-1451-030G-T	1451-030G-T	A	0-30psig	Gauge	23.40	22.46	21.76
824-1451-100G-T	1451-100G-T	A	0-100psig	Gauge	23.40	22.46	21.76
824-1451-100A-T	1451-100A-T	A	0-100psia	Absolute	23.40	22.46	21.76

MODEL 1210: PCB MOUNT PRESSURE SENSOR

Features :
- Dual-In-Line Package
- 0°C to +50°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability
- Low Power

Applications:
- Process Control
- Medical Instrumentation
- HVAC
- Barometric Pressure
- Air Flow Management
- Avionics

Board mount w/ long pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-1210A-001D-3L	1210A-001D-3L	B	0-1psid	Differential	56.16	53.91	52.22
824-1210A-002D-3L	1210A-002D-3L	B	0-2psid	Differential	29.25	28.08	27.20
824-1210A-005D-3L	1210A-005D-3L	B	0-5psid	Differential	29.25	28.08	27.20
824-1210A-005A-3L	1210A-005A-3L	B	0-5psia	Absolute	29.25	28.08	27.20
824-1210A-015D-3L	1210A-015D-3L	B	0-15psid	Differential	29.25	28.08	27.20
824-1210A-015A-3L	1210A-015A-3L	B	0-15psia	Absolute	29.25	28.08	27.20
824-1210A-030D-3L	1210A-030D-3L	B	0-30psid	Differential	29.25	28.08	27.20
824-1210A-030A-3L	1210A-030A-3L	B	0-30psia	Absolute	29.25	28.08	27.20
824-1210A-100D-3L	1210A-100D-3L	B	0-100psid	Differential	29.25	28.08	27.20
824-1210A-100A-3L	1210A-100A-3L	B	0-100psia	Absolute	29.25	28.08	27.20

MODEL 1230: ULTRASTABLE PRESSURE SENSOR

Features :
- Dual-In-Line Package
- -20°C to +85°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy
- 0-100 mV Output
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- Calibration
- Process Control
- Factory Automation
- Air Flow Management
- Leak Detection

Ultra-stable board mount w/ long pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-1230-015D-3L	1230-015D-3L	B	0-15psid	Differential	37.44	35.94	34.81
824-1230-015A-3L	1230-015A-3L	B	0-15psia	Absolute	37.44	35.94	34.81
824-1230-030D-3L	1230-030D-3L	B	0-30psid	Differential	38.90	37.34	36.17
824-1230-030A-3L	1230-030A-3L	B	0-30psia	Absolute	38.90	37.34	36.17
824-1230-100D-3L	1230-100D-3L	B	0-100psid	Differential	38.90	37.34	36.17
824-1230-100A-3L	1230-100A-3L	B	0-100psia	Absolute	38.90	37.34	36.17

MODEL 13: LOW/MEDIUM PRESSURE SENSORS

Features :
- TO-8 Package
- 0°C to +50°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- HVAC
- Process Control
- Air Flow Management

Board mount w/ top pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-13A-001G	13A-001G	C	0-1psig	Gauge	93.60	89.85	87.04
824-13A-002G	13A-002G	C	0-2psig	Gauge	93.60	89.85	87.04
824-13A-005G	13A-005G	C	0-5psig	Gauge	93.60	89.85	87.04
824-13A-015G	13A-015G	C	0-15psig	Gauge	93.60	89.85	87.04
824-13A-100G	13A-100G	C	0-100psig	Gauge	93.60	89.85	87.04

MODEL 23: LOW/MEDIUM PRESSURE SENSORS

Features :
- TO-8 Package
- 0°C to +50°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- HVAC
- Process Control
- Vacuum Measurement
- Air Flow Management

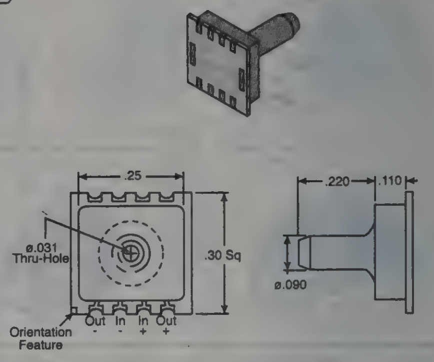
Board mount w/ bottom pressure port, mV output

For quantities of 50 and up, call for quote.

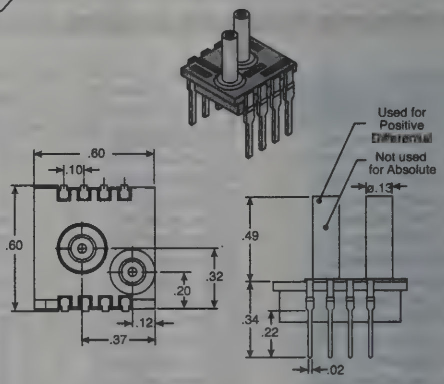
MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-23A-001G	23A-001G	D	0-1psig	Gauge	93.60	89.85	87.04
824-23A-002G	23A-002G	D	0-2psig	Gauge	93.60	89.85	87.04
824-23A-005G	23A-005G	D	0-5psig	Gauge	93.60	89.85	87.04
824-23A-015G	23A-015G	D	0-15psig	Gauge	93.60	89.85	87.04
824-23A-100G	23A-100G	D	0-100psig	Gauge	93.60	89.85	87.04

DIMENSIONS: In.

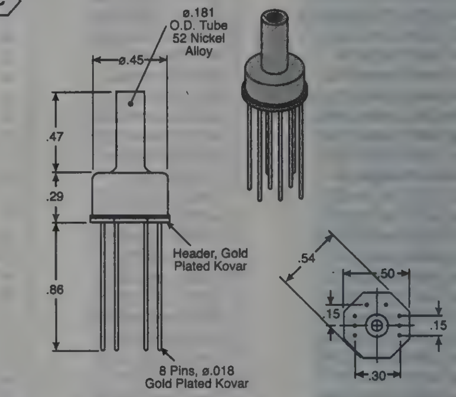
A



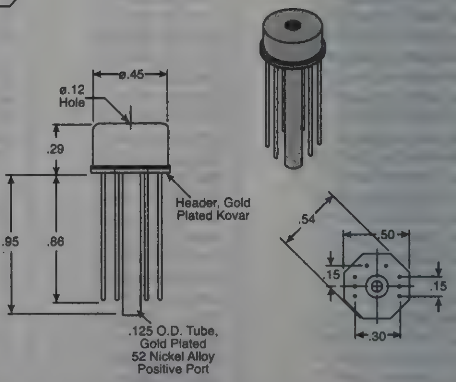
B



C



D



MSI SENSORS Pressure, Accelerometers and Clinometers

measurement SPECIALTIES

MODEL 33: LOW/MEDIUM PRESSURE SENSORS

Features:
- TO-8 Package
- 0°C to +50°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- HVAC
- Process Control
- Air Flow Management

Board mount with differential pressure port, mV output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Pressure Type	Price Each		
					1	10	25
824-33A-001D	33A-001D	A	0-1psid	Differential	93.60	89.85	84.24
824-33A-002D	33A-002D	A	0-2psid	Differential	93.60	89.85	84.24
824-33A-005D	33A-005D	A	0-5psid	Differential	93.60	89.85	84.24
824-33A-015D	33A-015D	A	0-15psid	Differential	93.60	89.85	84.24
824-33A-100D	33A-100D	A	0-100psid	Differential	93.60	89.85	84.24

MODEL 43: LOW/MEDIUM PRESSURE SENSORS

Features:
- TO-8 Package
- 0°C to +50°C Compensated Temperature Range
- ±0.1% Non-linearity Accuracy (±0.3% 0-1psi)
- 0-100 mV Output
- Solid State Reliability
- Low Power

Applications:
- Medical Instrumentation
- HVAC
- Process Control
- Air Flow Management

Board mount with top pressure port absolute, mV output

For quantities of 50 and up, call for quote.

824-43A-005A	43A-005A	B	0-5psia	Absolute	93.60	89.85	87.04
824-43A-015A	43A-015A	B	0-15psia	Absolute	93.60	89.85	87.04
824-43A-100A	43A-100A	B	0-100psia	Absolute	93.60	89.85	87.04

ARES SERIES: LOW PRESSURE TRANSDUCERS

Features:
- Very Low Pressure Ranges
- Solder Reflow Capability
- Barbed Pressure Ports
- PCB Mounted
- Dry/Dry Differential Transducer
- Built in ASIC for Amplified Output
- 0.5-4.5V output

Applications:
- HVAC
- Medical Equipment
- Environmental Controls
- Portable Monitors
- Volume OEM Applications

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Accuracy FSO	Price Each		
					1	10	25
824-GA100-005WD	GA100-005WD	C	0-5" water	0.25%	38.90	37.34	36.17
824-GA100-010WD	GA100-010WD	C	0-10" water	0.50%	38.90	37.34	36.17
824-GA100-015WD	GA100-015WD	C	0-15" water	0.50%	38.90	37.34	36.17
824-GA100-001PD	GA100-001PD	C	0-1psi	0.75%	38.90	37.34	36.17

ACCELEROMETERS

Features:

ACH-01
- Wide Frequency Response
- Wide Dynamic Range
- Ultra-Low Power
- Low Transverse Sensitivity

ACH-04
- Fully Contained 3-Axis Accelerometer
- Three Simultaneous Analog Outputs
- Low Frequency Response
- High Resonant Frequency & Low Q

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each		
				1	10	25
824-ACH-01-03/10	ACH-01-03/10	D	Single-axis accelerometer with 40" coax cable and female connector	25.00	24.00	22.50
824-ACH-01-04/10	ACH-01-04/10	E	Single-axis accelerometer with 12" wire	25.00	24.00	22.50

LDT VIBRATION SENSORS

Features:
- Rugged, Flexible PVDF Piezo Polymer film
- Excellent Dynamic Range
- Laminated for higher voltage output
- Added mass for Alternative Frequency Response (LDTM-028K/L and LDTC only)
- Robust, solderable lead attachment.

Applications:
- Vibration Sensor
- Flexible Switch
- Impact Sensing
- Anti-theft Alarm
- Appliance Monitoring
- Vehicle Motion Sensor

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each		
				1	10	25
824-LDT0-028K/L	LDT0-028K/L	F	Vibration sensor with crimps	1.00	.96	.90
824-LDTM-028K	LDTM-028K	F	Vibration with mass and crimps	1.25	1.20	1.12
824-LDTC-HORIZ	LDTC-HORIZONTAL	F	Vibration with horizontal solder pins	1.50	1.44	1.35
824-LDTC-VERT	LDTC-VERTICAL	F	Vibration with vertical solder pins	1.50	1.44	1.35

ACCUSTAR® ELECTRONIC CLINOMETERS

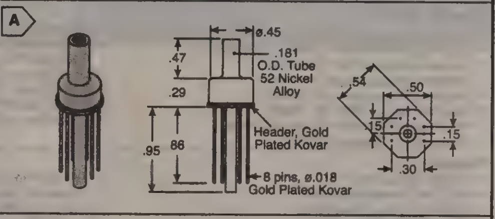
Single Axis Features:
- CE certified
- Rugged plastic housing
- Extremely Accurate
- Linear Range: +/- 45°
- Supply Voltage: +5 to +15V DC

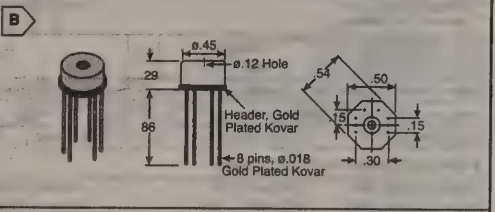
Dual Axis Features:
- New microprocessor-based electronics
- Two clinometers in one package
- Adaptable design DC powered
- Ratiometric and PW digital output
- Trimmable outputs
- Linear Range: +/- 15°
- Supply Voltage: +5 to +15V DC

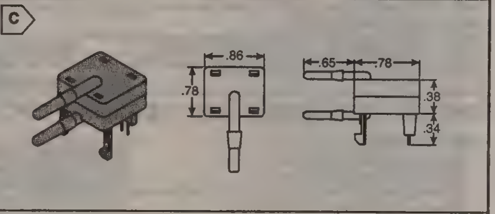
For quantities of 50 and up, call for quote.

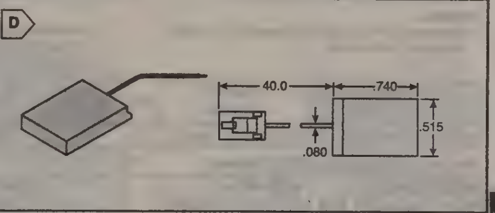
MOUSER STOCK NO.	MSI Sensors Part No.	Fig.	Description	Price Each		
				1	10	25
Single Axis						
824-02110002-000	02110002-000	G	Ratiometric Vertical Flange	137.00	131.52	127.41
824-02110102-000	02110102-000	G	Ratiometric Horizontal Flange	137.00	131.52	127.41
Dual Axis						
824-02119011-000	02119011-000	H	Clinometer with case	125.00	120.00	116.25
824-09-01-1061A	09-01-1061A	—	Mating Molex connector	3.00	2.88	2.79

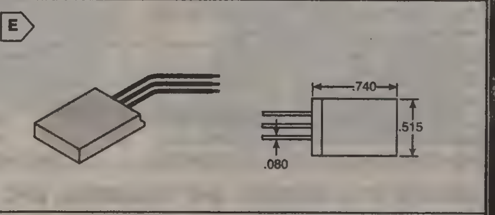
DIMENSIONS: in.

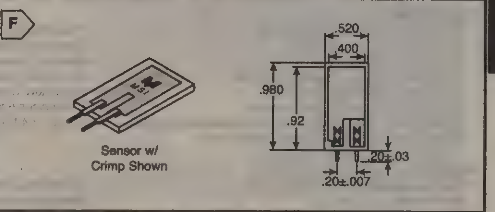


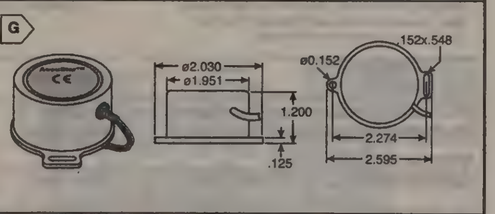


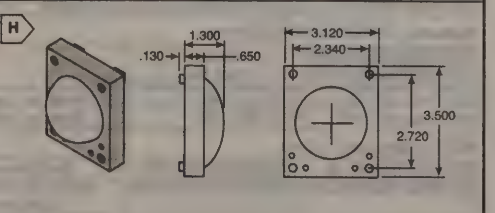












OMRON RFID Products

RoHS Compliant This page of product is compliant.

OMRON V750 SERIES: UHF READERS, EPC GLOBAL COMPLIANT

Specifications:

- Operating Frequency: 902.75 – 927.75MHz 920 – 928MHz
- Supported Protocols: EPC Class 1 Generation 2
- Number of Antenna Port: Mono-Static (Transmit-Receipt-Integral) X 4 Ports
- Operating Temperature: -10° to +50°F
- Protective Rating: IP50 (IEC 60529)
- Power Supply Method: Exclusive AC Adapter
- Interface Port: Ethemet, RS232C
- Dimensions (LxWxD): 9.68 x 8.5 x 1.7 (246 x 215 x 43.5 mm)
- I/O Interface: 4 Inputs and 4 Outputs
- Filtering: 2 Filters can be used without programming
- LED Display: 8 Operation status display, 8 Input/Output Status Display
- Function Expandibility: Software Upgrade, Control Port to Expand Functions

NEW! TECHNOLOGY

Features:

- EPC Global Compliant
- Real Time Operating System
- High-Performance Read/Write
- Built-in Filtering functions
- Advanced Diagnostics
- RF Environmental Monitoring Functions
- Includes AC Adapter and software
- Easy to use Browser-based Operation Interface
- Ability to upgrade protocols remotely

RoHS Compliant

MOUSER STOCK NO.	Omron Part No.	Fig.	Product Description	Price Each
653-V750-BA50C04-US	V750-BA50C04-US	A	High performance UHF Reader	2295.00

Antenna for V740 Series

653-V740-HS01C	V740-HS01CA	B	Mono-Static	Antenna for Mono-Static reader	250.00

Antenna Cables for V740 Series

653-V740-A01-3M	V740-A01 3M		Antenna Cable (3M) 1 cable per antenna	60.00
653-V740-A01-10M	V740-A01 10M		Antenna Cable (10M) 1 cable per antenna	150.00

RFID Inlays and Labels

653-V750-D22M01-IM	V750-D22M01-IM-R5K	Gen2 Wave Inlays. 5,000 inlays per roll	2500.00
653-V750-D22M51A-IM	V750-D22M51A-IM-R100	Gen2 4"X6" finished-labels. 100 inlays per roll (5,000inlays per roll also available)	160.00

OMRON V720 SERIES: UHF READERS, EPC GLOBAL COMPLIANT

Specifications:

- Operating Frequency: 13.56 MHz
- Supported Protocol: ISO 15693
- Operating Temp.: -10° to 50° C (14° to 122° F) with no icing
- Protective Construction: IP60 (IEC 60529)
- Power Supply Method: 24V DC
- Dimensions (LxWxD): 9.98 X 3.36 X 5.12 inch (247 X 84 X 128mm)
- Control Interface: RS232C or RS485
- I/O Interface: 3 Inputs and 4 Outputs

NEW! TECHNOLOGY

Features:

- Compliance with International Standards - ISO 15693
- Unmatched Performance
- Best Delivered Value
- Highest Quality

RoHS Compliant

MOUSER STOCK NO.	Omron Part No.	Fig.	Product Description	Price Each
653-V720S-BC5D4A-US	V720S-BC5D4A-US	D	HF 4Watt Reader	3495.00

Antenna Cables for V720 Series

653-V720-HS04	V720-HS04	-	HF 4Watt Antenna Cable	1495.00
653-V720A41US3.35M	V720-A41-US3.35M	-	3-Meter Antenna Cable	200.00
653-V720A41US10.33M	V720-A41-US 10.33M	-	10M Antenna Cable	250.00

Power Cables for V720 Series

653-V720-A51-3M	V720-A51 3M	-	Power Cable for BC5D4-US	125.00
653-V720-A62-3M	V720-A62 3M	-	3M RS232CCable for BC5D4-US	135.00

Inlays for V720 Series

653-V730SD13P01R5K	V730S-D13P01-R5K	-	HF Inlays 5k roll	2600.00
653-V730SD13P01R1K	V730S-D13P01-R1K	-	HF Inlays 1k roll	520.00
653-V730DP13P51AR2	V730-DP13P51A-R2K	-	Credit card size HF labels 2k roll	1240.00

OMRON V740 SERIES: UHF READERS, EPC GLOBAL COMPLIANT

Specifications:

- Operating Frequency: 902 to 928 Mhz
- Number of Antenna Port: 4
- Interface Port: Ethernet
- I/O Interface Input: 2 Photo coupler input 20mA max. internal resistance 360Ω
- I/O Interface Output: 3 Open collector output 24 VED max., 20 mA max., internal resistance 360Ω
- Supplied Voltage by AC Adapter: 24VDC, 2.0A
- Power Supply: 100-240VAC, 50/60Hz
- Operating Temperature: +32° to +104°F (0° to +40°C)
- Storage Temperature: -4° to +149°F (-20° to +65°C)
- Enclosure Rating: IP40
- Regulatory Compliance: FCC part 15, CSA
- Dimensions (LxWxD): 12.1 x 11.3 x 1.6 (308 x 286 x 40mm)
- Weight: 3.4 lbs (1.5Kg)

NEW! TECHNOLOGY

Features:

- EPC Global Compliant
- Meet Retailers Manadates
- Available in both Mono-Static and Bi-Static models
- Easy to use Browser-based Operation Interface
- Ability to up-grade protocols remotely
- Unmatched Performance
- Best Delivered Value
- Includes AC Adapter and software

RoHS Compliant

MOUSER STOCK NO.	Omron Part No.	Fig.	Reader Type	Supported Protocols	Price Each
653-V740-BA50C02-US	V740-BA50C02-US	E	Bi-Static	EPC Class0/0+, Class1, Gen2	2395.00
653-V740-BA50C04-US	V740-BA50C04-US	F	Mono-Static	EPC Class1, Gen2	2195.00

Antenna for V740 Series

653-V740-HS01C	V740-HS01CA	B	Mono-Static	Antenna for Mono-Static reader (4 max.)	250.00
653-V740-HS02C	V740-HS02CA	C	Bi-Static	Antenna for Bi-Static reader (4 max.)	495.00

Antenna Cables for V740 Series

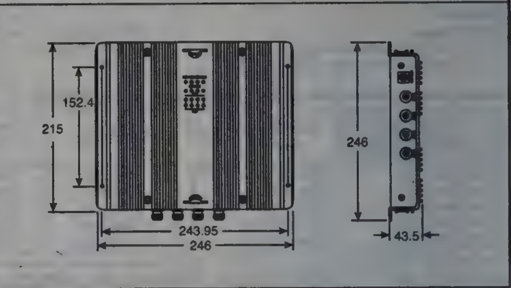
MOUSER STOCK NO.	Omron Part No.	Description	Price Each
653-V740-A01-3M	V740-A01 3M	Antenna Cable (3M) 1 cable per antenna	60.00
653-V740-A01-10M	V740-A01 10M	Antenna Cable (10M) 1 cable per antenna	150.00

RFID Inlays and Labels

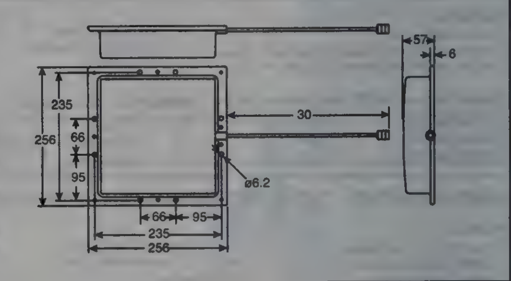
653-V750-D22M01-IM	V750-D22M01-IM-R5K	Gen2 Wave Inlays. 5,000 inlays per roll	2500.00
653-V750-D22M51A-IM	V750-D22M51A-IM-R100	Gen2 4"X6" finished-labels. 100 inlays per roll (5,000inlays per roll also available)	160.00

DIMENSIONS: mm

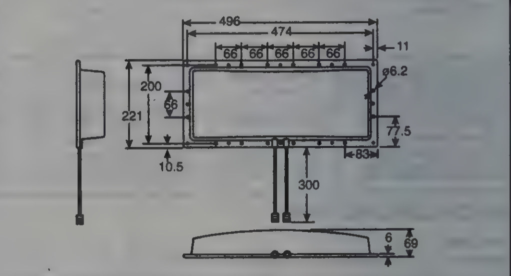
A



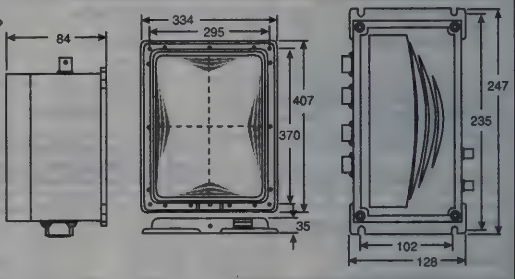
B



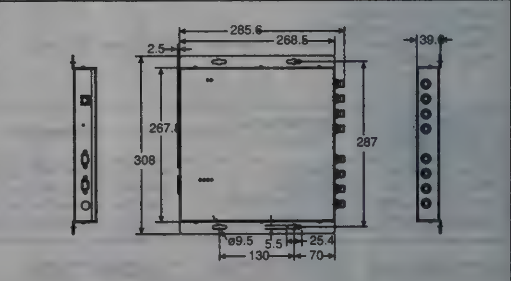
C



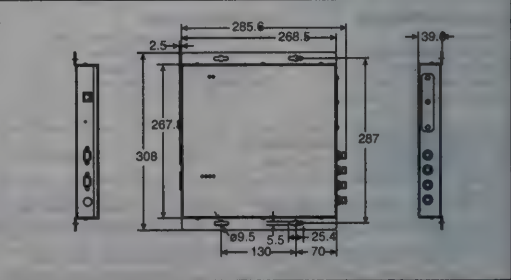
D



E



F



ENCLOSURES
THERMAL MANAGEMENT

Section Pages 1667 - 1740

Sponsored by:

BUD INDUSTRIES INC.

The Leader in Component Protection!

Plastic NEMA Enclosures
Pgs. 1699-1700

Sheet Metal NEMA Enclosures
Pg. 1680

Die-cast Aluminum NEMA Enclosures
Pg. 1682

Transparent NEMA Enclosures with Mounting Bosses
Pg. 1700

Fiberglass NEMA Enclosures
Pg. 1680

BUD delivers the latest in component protection with top-of-the-line NEMA-rated enclosures – any way you want them! Their unsurpassed variety includes sheet metal, fiberglass, and transparent to plastic or die-cast aluminum. All enclosures have mounting bosses for easy board installation that won't compromise the NEMA rating.

Protect your components from wet, dry, and corrosive environments with enclosures that meet NEMA 1, 2, 4, 4x, 12, 13, and IP66 specifications, as well as UL listing/testing to UL508-4x requirements.

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser! For more information about our extensive line of Bud products, visit *www.mouser.com/bud* today to easily buy online!

www.mouser.com/bud (800) 346-6873

MOUSER® ELECTRONICS
a tti company

The Newest Products For Your Newest Designs

Sponsored by BUD

ENCLOSURES & RACKS

Racks and Accessories

BUD 1669-1674
Hammond 1675-1677
Vector 1678

Metal Enclosures

BUD 1679-1682
Hammond 1683-1690
Eagle Plastic Devices 1691
LMB 1691-1692
Deltron 1693

Plastic Enclosures

Altech 1694-1696
BUD 1697-1701
Hammond 1702-1709
PacTec 1710
Phoenix Contact 1711
Serpac 1712-1714
Eagle Plastic Devices 1692
LMB 1692

THERMAL MANAGEMENT

Fans and Accessories

Adda 1715-1717
Bi-Sonic 1718
Comair Rotron 1719-1722
ebm-papst 1723-1728
Orion 1729-1731
Qualtek 1732, 1733

Heat Sinks

Aavid Thermalloy 1734-1737
Comair Rotron 1738
Wakefield Thermal Solutions 1739, 1740

The Mouser Advantage:
Faster Time to Market for YOUR New Designs!

With daily updates to mouser.com and a NEW catalog every 90 days, Mouser is your source for rapid New Product Introduction.

MOUSER ELECTRONICS®
a tti company

The Newest Products
For Your Newest Designs

860,000+ Products Online!

BUD Cabinet Racks and Accessories

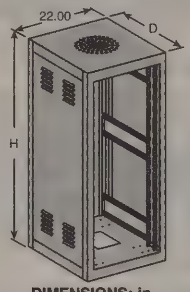
BUD ECONOMIZER™ CABINET RACK

"Shipped Factory Direct"

High quality, low cost. 19" panel width in both ventilated (side and doors feature ventilating louvers) and non-ventilated versions 24" panel width also available. Welded frame has 14-gauge steel vertical rails and 16-gauge steel top and bottom, with uniquely designed, 16-gauge steel rail supports. Furnished complete with removable sides, rear door, and one pair of fully adjustable panel mounting rails (some accessories require two pairs of rails). Side panels are 20-gauge steel, and removable from outside for easy access. Panel mounting rails are 12-gauge steel. Bottom is pierced for castors with one 9.56" square hole and four 1.11" knockouts for cable access.

Three colors available, replace (__) in the part number with: **S** for **Sand Textured**, **RB** for **Royal Blue**, or **BT** for **Black Textured**

Ventilated			Non-Ventilated			Dimensions: in.		Panel Space (In.)
MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each	H	D	
563-ER-16602-__	ER-16602-__	716.80	563-ER-16502-__	ER-16502-__	634.40	47.31	18.50	42.00
563-ER-16603-__	ER-16603-__	738.75	563-ER-16503-__	ER-16503-__	697.75	57.81	18.50	52.50
563-ER-16604-__	ER-16604-__	795.80	563-ER-16504-__	ER-16504-__	749.10	66.56	18.50	61.25
563-ER-16605-__	ER-16605-__	838.80	563-ER-16505-__	ER-16505-__	793.65	75.31	18.50	70.00
563-ER-16606-__	ER-16606-__	868.10	563-ER-16506-__	ER-16506-__	827.55	84.06	18.50	78.75
563-ER-16612-__	ER-16612-__	764.90	563-ER-16512-__	ER-16512-__	718.15	47.31	25.50	42.00
563-ER-16613-__	ER-16613-__	795.60	563-ER-16513-__	ER-16513-__	749.60	57.81	25.50	52.50
563-ER-16614-__	ER-16614-__	864.65	563-ER-16514-__	ER-16514-__	819.90	66.56	25.50	61.25
563-ER-16615-__	ER-16615-__	900.25	563-ER-16515-__	ER-16515-__	856.10	75.31	25.50	70.00
563-ER-16616-__	ER-16616-__	949.30	563-ER-16516-__	ER-16516-__	906.10	84.06	25.50	78.75
563-ER-16622-__	ER-16622-__	810.20	563-ER-16522-__	ER-16522-__	749.85	47.31	30.75	42.00
563-ER-16623-__	ER-16623-__	844.95	563-ER-16523-__	ER-16523-__	784.55	57.81	30.75	52.50
563-ER-16624-__	ER-16624-__	936.15	563-ER-16524-__	ER-16524-__	875.70	66.56	30.75	61.25
563-ER-16625-__	ER-16625-__	958.05	563-ER-16525-__	ER-16525-__	897.70	75.31	30.75	70.00
563-ER-16626-__	ER-16626-__	1041.35	563-ER-16526-__	ER-16526-__	978.25	84.06	30.75	78.75



DIMENSIONS: in.

BUD ECONOMIZER STEEL DOORS

"Shipped Factory Direct"

Material: • 20 gauge steel

There are three colors available,
replace the (__) in the part number with: **S** for **Sand Textured**, **BT** for **Black Textured** or **RB** for **Royal Blue Textured**

Ventilated		Price Each	Non-Ventilated		Price Each	Height (In.)
MOUSER STOCK NO.	Bud Part No.		MOUSER STOCK NO.	Bud Part No.		
563-ER-16592-__	ER-16592-__	193.10	563-ER-16532-__	ER-16532-__	173.00	41.94
563-ER-16593-__	ER-16593-__	205.55	563-ER-16533-__	ER-16533-__	185.35	52.44
563-ER-16594-__	ER-16594-__	229.60	563-ER-16534-__	ER-16534-__	209.50	61.19
563-ER-16595-__	ER-16595-__	241.75	563-ER-16535-__	ER-16535-__	221.50	69.94
563-ER-16596-__	ER-16596-__	249.55	563-ER-16536-__	ER-16536-__	229.40	78.69

BUD ECONOGLAS DOORS

"Shipped Factory Direct"

For Series 2000, Series 60, LPR, Classic II, and Economizer Upright Cabinet Racks.

Design Features:

- Aluminum frame door with gasketed .18" thick Smoke Gray Plastic insert. Can be used in place of a normal steel door. Comes standard with keylock.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Price Each
563-V-9763-L	V-9763-L	41.94	172.85
563-V-9764-L	V-9764-L	52.44	222.65
563-V-9765-L	V-9765-L	61.19	223.55
563-V-9766-L	V-9766-L	69.94	229.80
563-V-9767-L	V-9767-L	78.69	279.60

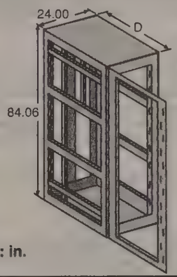
BUD SERVER RACKS

"Shipped Factory Direct"

Design Features:

- Extra deep 36" and 43" cabinets accept most manufacturer's servers.
- Front Econoglas door is ventilated.
- Cable access in both top and bottom of cabinet
- Perforated side panels, 36% open, and rear door, 27% open, provide for maximum air flow.
- Comes with internal grounding studs
- Comes complete with two pairs of fully-adjustable universal spacing mounting rails that accept #12-24 and #M-6 cage nuts.
- Ventilated top can be used with optional exhaust fans (Bud FN-1282)

MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Dimensions: in. H x W x D	Max. Clear Inside Depth	Price Each
563-DC-8105	DC-8105	78.75 x 19.00	84.06 x 24 x 35.43	33.94	1827.45
563-DC-8110	DC-8110	78.75 x 19.00	84.06 x 24 x 41.82	41.82	1899.45



DIMENSIONS: in.

BUD ACCESSORIES FOR ECONOMIZER AND SERVER CABINET RACKS

MOUSER STOCK NO.	Description	For Cabinet Rack		Price Each
		Economizer	Server Rack	
563-FN-1282	10" Cabinet Fan	•	•	134.70
563-FN-1280	4.5" Muffin Fan	•	•	37.50
563-FT-1170(WH/MG)	Fan Tray	•	•	176.65
563-B-60	3.50" Blower	•	•	470.66
563-TS(15/22)	Temperature Switch	•	•	34.80
563-RL-7767	Levelers, Nylon	•	•	4.00
563-RL-7771	Levelers, Rubber	•		4.31
563-RC-7758	Casters, 200 # (pair)	•	•	27.80
563-RC-7761	Casters, 240 # with Brake (pair)	•	•	65.40
563-RC-7762	Casters, 240 # without Brake (pair)	•	•	56.60

Sliding Mechanisms

563-AS-5000-A	2-piece, 12" Slide Length (pair)	•	•	25.45
563-AS-5001-A	2-piece, 16" Slide Length (pair)	•	•	33.50
563-AS-5002-A	2-piece, 20" Slide Length (pair)	•	•	35.10
563-AS-5004-A	2-piece, 26" Slide Length (pair)	•	•	38.75
563-AS-5042-A	3-piece, 20" Slide Length (pair)	•	•	76.00
563-BAS-5106	Slide Brackets (mounting bracket kit)	•	•	30.20

Panel Mounting Rails

563-PMR-9448	Fits 21.00" Panel Space (pair)	•		54.15
563-PMR-2331	Fits 24.50" Panel Space (pair)	•		51.20
563-PMR-9449	Fits 31.50" Panel Space (pair)	•		61.65
563-PMR-9450	Fits 42.00" Panel Space (pair)	•		66.83
563-PMR-9451	Fits 52.50" Panel Space (pair)	•		74.03
563-PMR-9452	Fits 61.25" Panel Space (pair)	•		82.80
563-PMR-9453	Fits 71.00" Panel Space (pair)	•		90.53
563-PMR-9454	Fits 78.75" Panel Space (pair)	•		96.00
563-PMR9483	L-Shaped Fits 70.00" (pkg. of 4)	•	•	152.18
563-PMR-9484	L-Shaped Fits 78.75" (pkg. of 4)	•	•	161.10
563-7346	Screws for Rails	•	•	.10

Power Outlet Strips

See Accessory Pages for a complete listing of Power Outlet Strips

563-POS-194-S	19" Rear Rack Mount	•	•	49.50
563-POS-195-S	19" Front Rack Mount	•	•	49.50

Stationary Shelves

See Accessory Pages for a complete listing of Stationary Shelves

MOUSER STOCK NO.	Description	For Cabinet Rack		Price Each
		Economizer	Server Rack	
563-SA-1719-GT	16" Gray	•		84.23
563-SA1720-RB	20" Blue	•		84.98
563-SA-1278-BT	16" x 17.62" Black, Adjustable	•	•	75.75
563-SA-1279-MG	20" x 17.62" Gray, Adjustable	•	•	81.68
563-SA-1378-BT	16" x 21.62" Black, Adjustable	•	•	87.90
563-SA-1379-MG	20" x 21.62" Gray, Adjustable	•	•	96.90
563-SH-2383	Vented 19" x 17"	•		59.55
563-SH-2381	Non-Vented 19" x 24"	•		57.85
563-SA-1750-BT	19" Non-Vented Black, 15" x 17.62"	•	•	55.20
563-SA-1751-MG	19" Vented Gray, 15" x 17.62"	•	•	60.30
563-SA-1775-BT	Keyboard Mouse Shelf	•	•	64.20
563-AB-2375	Shelf Adapter Brackets		•	60.60

Sliding Shelves

See Accessory Pages for a complete listing of Sliding Shelves

MOUSER STOCK NO.	Description	For Cabinet Rack		Price Each
		Economizer	Server Rack	
563-SH-2391	Vented 19" x 17"	•		102.53
563-SH-2393	Vented 19" x 24"	•		115.35
563-SH-2388	Non-Vented 19" x 20.5"	•		108.00
563-SH-2390	Non-Vented 19" x 29.25"	•		122.63
563-KS1785BT	19" Keyboard/ Mouse, Black	•	•	135.00
563-KS-1787-MG	23" Keyboard/ Mouse, Gray	•	•	148.28
563-KS-1788	Keyboard Shelf	•	•	163.30
563-60-2361-BT	19" Desktop	•	•	139.60

Drawers

563-DD-2363BT	19" Desktop, Black	•	•	251.80
563-DD-2363-MG	19" Desktop, Gray	•	•	251.80
563-D-1722-WH	19" White, 16.18" Deep	•	•	193.95
563-D-1722-BT	19" Black, 16.18" Deep	•	•	193.95
563-D-1722-MG	19" Gray, 16.18" Deep	•	•	193.95
563-D-1723-WH	19" White, 19.18" Deep	•	•	201.38
563-D-1723-BT	19" Black, 19.18" Deep	•	•	201.38
563-D-1723-MG	19" Gray, 19.18" Deep	•	•	201.38

BUD Open Racks and Accessories

OPEN RACKS

"Shipped Factory Direct"

Relay Racks: There are two colors available, replace the (__) in the part number with: MG for **Metallic Gray** or BT for **Black Textured**

Table Top Racks

Chassis-type base holds heavy components for table mounting applications. Supporting angles provide strength, rigidity. Panel mounting rails tapped #10-32 on E.I.A. universal spacing. Standard 19" panel fits flush w/ front. Base is 20.38" x 12". Shipped knocked down.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
563-RR-1248-__	RR-1248__	24.00	21.00	107.70
563-RR-1249-__	RR-1249__	31.00	28.00	117.80

RR-1263 Series Open Racks

Exceptionally strong structure made up of chassis-type base and supporting angles. Uprights, .11"; steel channels, 3" deep; top plate, 1.13" x 3.13". Rails tapped #10-32 on E.I.A. universal spacing. Base is 19.97" x 22" and drilled for 563-RC-7758 casters. Shipped knocked down in two (2) cartons, with all necessary assembly and mounting hardware.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
563-RR-1263-__	RR-1263__	35.63	31.50 x 19	165.35
563-RR-1363-__	RR-1363__	40.88	36.75 x 19	175.95
563-RR-1264-__	RR-1264__	70.63	66.50 x 19	198.70
563-RR-1364-__	RR-1364__	75.63	71.75 x 19	203.05
563-RR-1366-__	RR-1366__	81.13	77.00 x 19	207.50

RR-1367 Series Open Racks

Extra-sturdy racks made of 14 and 12 gauge steel. 8" deep welded "U" member and triangular bracket hold uprights to base (12 GA). Panel mounting rails tapped #10-32 on E.I.A. universal spacing. Chassis type base, 20.88" x 26", drilled for 563-RC-7758 casters. Racks may be bolted together in Add-A-Rack fashion. Shipped knocked down in two (2) cartons, with all necessary assembly and mounting hardware.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
563-RR-1367-__	RR-1367__	64.63	61.25 x 19	361.60
563-RR-1368-__	RR-1368__	73.38	70.00 x 19	384.75
563-RR-1369-__	RR-1369__	80.38	77.00 x 19	397.55

Aluminum Open Racks - Natural Finish

Wide panel spaces. Panel mounting holes are #12-24 tapped on E.I.A. universal spacing on both the front and rear flanges. Finish: Natural or Black Textured. Shipped knocked down in one (1) carton, with all necessary assembly and mounting hardware.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
563-ARR-1272-NF	ARR-1272-NF	84.00	77.00 x 19	170.37
563-ARR-1276-NF	ARR-1276-NF	50.00	42.00 x 19	194.00
563-ARR-1294-NF	ARR-1294-NF	84.00	77.00 x 23	263.83

Aluminum Open Racks - Black Textured

Wide panel spaces. Panel mounting holes are #12-24 tapped on E.I.A. universal spacing on both the front and rear flanges. Finish: Natural or Black Textured. Shipped knocked down in one (1) carton, with all necessary assembly and mounting hardware.

MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
563-ARR-1272-BT	ARR-1272-BT	84.00	77.00 x 19	177.05
563-ARR-1276-BT	ARR-1276-BT	50.00	42.00 x 19	206.00
563-ARR-1294-BT	ARR-1294-BT	84.00	77.00 x 23	326.00

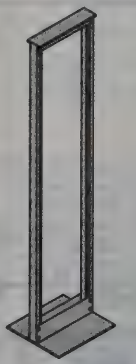
RR-1263 Series Open Rack

Table Top Rack

RR-1367 Series Open Rack

Aluminum Open Rack

HEAVY DUTY STEEL RACKS



Design Features:
These heavy duty racks, an extension of the Bud RR-1265 Series, are available in 6', 7', and 9' heights and 19" and 23" wide panel spaces. Panel mounting holes are #12-24 tapped on E.I.A. universal spacing. (Use #9260 screws - order separately) Panel mounting holes are located on front flanges only.

Features:
- Base Angles: .25" x 3.50" x 4.87"
- Top Angles: .12" x 2.09" x 1.56"
- Uprights: .18" x 3.00" x 1.28"
- Overall Width 20.37" for 19" rack, 24.37" for 23" rack
- Overall Depth 12.75 base, 3.00" upright, 6.12" top
- Finish: Black Texture (BT)

Racks are shipped knocked down in two (2) cartons, with all necessary assembly hardware included.

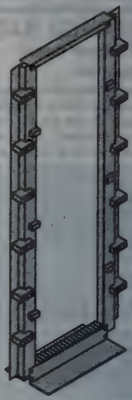
MOUSER STOCK NO.	Bud Part No.	Height (In.)	Panel Space (In.)	Price Each
563-RR-1265	RR-1265	72.25	66.50 x 19.00	267.50
563-RR-1269	RR-1269	82.75	77.00 x 19.00	280.90

OPEN RACK ASSEMBLY

"Shipped Factory Direct"

Includes:
- ARR-1272-BT Black aluminum rack with 19" x 77" usable panel space.
- Twelve CM-1196 cableway rings.
- One pair CM-1197 cableway covers.
- Six CM-1220 cable rings.
- All necessary assembly hardware.

Accepts all BUD open rack accessories.



MOUSER STOCK NO.	Bud Part No.	Panel Space (In.)	Dimensions: in.		Price Each
			H	W	
563-DC-8035	DC-8035	19.00	84.00	26.25	437.98

ACCESSORIES FOR OPEN RACKS

MOUSER STOCK NO.	Bud Part No.	Description	Price Each
563-TS-15	TS-15	Temp. Switch (normally open contacts)	34.80
563-TS-22	TS-22	Temp. Switch (normally closed contacts)	34.80
563-RC-7758	RC-7758	Casters, Heavy Duty	27.80
563-RC-7761	RC-7761	Casters with Brake	65.40
563-RC-7762	RC-7762	Casters without Brake	56.60
563-POS-194-S	POS-194-S	19" Rear Rack Mount Power Outlet Strip	49.50
563-POS-195-S	POS-195-S	19" Front Rack Mount Power Outlet Strip	49.50
563-SA-1719-GT	SA-1719-GT	16" Gray Shelf Assembly	84.23
563-SA-1719-RB	SA-1719-RB	16" Blue Shelf Assembly	84.23
563-SA1720-GT	SA1720-GT	20" Gray Shelf Assembly	84.98
563-SA1720-RB	SA1720-RB	20" Blue Shelf Assembly	84.98
563-SA-1278-BT	SA-1278-BT	16" x 17.62" Adjustable Shelf, Black	75.75
563-SA-1278-MG	SA-1278-MG	16" x 17.62" Adjustable Shelf, Gray	75.75
563-SA-1279-BT	SA-1279-BT	20" x 17.62" Adjustable Shelf, Black	81.68
563-SA-1279-MG	SA-1279-MG	20" x 17.62" Adjustable Shelf, Gray	81.68
563-SA-1378-BT	SA-1378-BT	16" x 21.62" Adjustable Shelf, Black	87.90
563-SA-1378-MG	SA-1378-MG	16" x 21.62" Adjustable Shelf, Gray	87.90
563-SA-1379-BT	SA-1379-BT	20" x 21.62" Adjustable Shelf, Black	96.90
563-SA-1379-MG	SA-1379-MG	20" x 21.62" Adjustable Shelf, Gray	96.90
563-SA-1796-BT	SA-1796-BT	19" Monitor Shelf, Black	82.58
563-SA-1796-MG	SA-1796-MG	19" Monitor Shelf, Black, Gray	82.58
563-SA-1798-BT	SA-1798-BT	23" Monitor Shelf, Black	88.43
563-SA-1798-MG	SA-1798-MG	23" Monitor Shelf, Gray	88.43

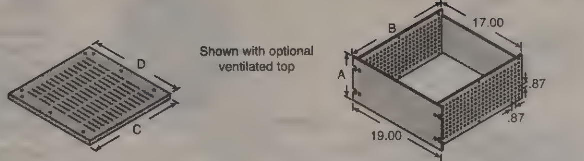
MOUSER STOCK NO.	Bud Part No.	Description	Price Each
563-SA-1750-BT	SA-1750-BT	15" x 17.62" Equipment Shelf, Black	55.20
563-SA-1750-MG	SA-1750-MG	15" x 17.62" Equipment Shelf, Gray	55.20
563-SA-1752-BT	SA-1752-BT	20" x 17.62" Equipment Shelf, Black	66.00
563-SA-1752-MG	SA-1752-MG	20" x 17.62" Equipment Shelf, Gray	66.00
563-SA-1754-BT	SA-1754-BT	15" x 21.62" Equipment Shelf, Black	57.98
563-SA-1754-MG	SA-1754-MG	15" x 21.62" Equipment Shelf, Gray	57.98
563-SA-1756-BT	SA-1756-BT	20" x 21.62" Equipment Shelf, Black	71.18
563-SA-1756-MG	SA-1756-MG	20" x 21.62" Equipment Shelf, Gray	71.18
563-SA-1751-BT	SA-1751-BT	15" x 17.62" Vented Equipment Shelf, Black	60.30
563-SA-1751-MG	SA-1751-MG	15" x 17.62" Vented Equipment Shelf, Gray	60.30
563-SA-1753-BT	SA-1753-BT	20" x 17.62" Vented Equipment Shelf, Black	71.55
563-SA-1753-MG	SA-1753-MG	20" x 17.62" Vented Equipment Shelf, Gray	71.55
563-SA-1755-BT	SA-1755-BT	15" x 21.62" Vented Equipment Shelf, Black	64.50
563-SA-1755-MG	SA-1755-MG	15" x 21.62" Vented Equipment Shelf, Gray	64.50
563-SA-1757-BT	SA-1757-BT	20" x 21.62" Vented Equipment Shelf, Black	72.68
563-SA-1757-MG	SA-1757-MG	20" x 21.62" Vented Equipment Shelf, Gray	72.68
563-SA-1775-BT	SA1775-BT	Stationary Keyboard Mouse Shelf, Black	64.20
563-SA-1775-MG	SA1775-MG	Stationary Keyboard Mouse Shelf, Gray	64.20
563-KS1785-BT	KS1785-BT	19" Sliding Keyboard Mouse Shelf, Black	135.00
563-KS-1785-MG	KS1785-MG	19" Sliding Keyboard Mouse Shelf, Gray	135.00
563-KS1787-BT	KS1787-BT	23" Sliding Keyboard Mouse Shelf, Black	148.28
563-KS1787-MG	KS1787-MG	23" Sliding Keyboard Mouse Shelf, Gray	148.28
563-KS1788	KS1788	Sliding Keyboard Shelf	163.30

BUD Rack Mount Chassis and Accessories

RAK-MOUNT CHASSIS

Side panel mounting holes are punched on .87" grid to allow total flexibility in mounting of components. Rear panel is fully adjustable from front to rear. Standard 19" front panels feature "Surface Shield" protection which provides surface for laying out drilling and punching positions. Natural finish

- Front Panel: .12" thick mill finish aluminum with "Surface Shield" protection.
- Side and Rear Panels: .090" aluminum
- Shipped unassembled with all necessary assembly hardware



Shown with optional ventilated top

Standard Chassis

For quantities greater than 2, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.		Price Each		Internal Chassis	Handles (2 Required)
		A	B	1	2		
563-RM-14212	RM-14212	5.25	17.06	54.10	51.14	C-14242	H-9160-B
563-RM-14213	RM-14213	7.00	17.06	61.95	58.54	C-14243	H-9111-B
563-RM-14214	RM-14214	8.75	17.06	74.40	70.30	C-14244	H-9112-B
563-RM-14215	RM-14215	10.50	17.06	87.85	83.00	C-14245	H-9113-B
563-RM-14222	RM-14222	5.25	22.00	60.95	57.59	C-14242	H-9160-B
563-RM-14223	RM-14223	7.00	22.00	71.50	67.57	C-14243	H-9111-B
563-RM-14224	RM-14224	8.75	22.00	87.10	82.32	C-14244	H-9112-B
563-RM-14225	RM-14225	10.50	22.00	103.80	98.07	C-14245	H-9113-B

Internal Chassis

For quantities greater than 2, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.		Price Each	
		C	D	1	2
563-C-14242	C-14242	4.28	16.82	18.20	15.20
563-C-14243	C-14243	6.03	16.82	21.20	17.70
563-C-14244	C-14244	7.78	16.82	24.30	20.30
563-C-14245	C-14245	9.53	16.82	27.30	22.80

Optional Accessories

- Solid top or bottom cover: .050" aluminum, natural finish. Can also be used on bottom as full depth chassis for mounting components.
- Ventilated top or bottom cover: .050" aluminum, natural finish, .13" x .75" slots for max. ventilation.
- Two piece slide: 20" long with 15" travel. Supplied in pairs. Order mounting brackets separately. Requires two pairs of panel mounting rails.

For quantities greater than 2, call for quote.

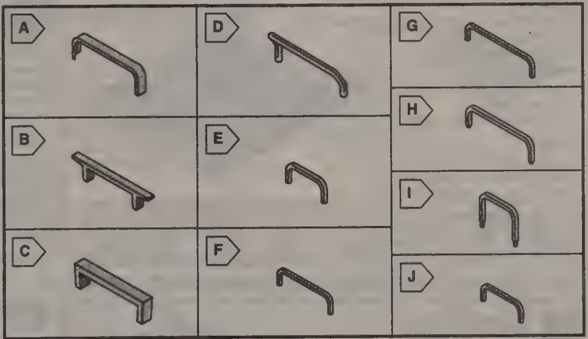
MOUSER STOCK NO.	Bud Part No.	Description	Price Each	
			1	2
563-TBC-14252	TBC-14252	Solid top or bottom cover, 17 in.	29.60	24.75
563-TBC-14262	TBC-14262	Ventilated top or bottom cover, 17 in.	33.10	27.65
563-TBC-14253	TBC-14253	Solid top or bottom cover, 22 in.	33.60	28.10
563-TBC-14263	TBC-14263	Ventilated top or bottom cover, 22 in.	35.50	29.70
563-MB-14273	MB-14273	Rear Mounting Bracket	30.80	23.20
563-AS-5002-A	AS-5002-A	Slides, Pair	35.10	31.60

HANDLES

Styled for all types of applications, designed for long wear; quality construction equals that of high priced counterparts.

For quantities greater than 25, call for quote.

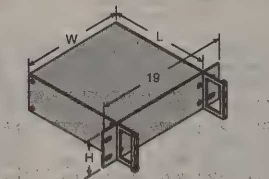
MOUSER STOCK NO.	Bud Part No.	Fig.	Description	Mounting Centers (In.)	Price Each			
					1	2	15	25
563-H-9174-B	H-9174-B	A	Clear Anodized Aluminum	4.00	10.85	9.05	8.56	8.15
563-H-9176-B	H-9176-B	B	Clear Anodized Aluminum	3.25	13.60	11.40	10.76	10.25
563-H-9177-B	H-9177-B	C	Clear Anodized Aluminum	4.38	19.20	16.10	14.50	12.90
563-H-9110-B	H-9110-B	D	Chrome Plated ø.37" Steel	6.00	8.30	6.95	6.56	6.25
563-H-9111-B	H-9111-B	E	Chrome Plated ø.37" Steel	4.00	6.40	5.30	4.99	4.75
563-H-9112-B	H-9112-B	F	Chrome Plated ø.37" Steel	6.00	7.80	6.50	6.14	5.85
563-H-9113-B	H-9113-B	G	Chrome Plated ø.37" Steel	8.00	10.60	8.85	8.35	7.95
563-H-9116-B	H-9116-B	H	Chrome Plated ø.37" Steel	6.00	11.20	9.35	8.82	8.40
563-H-9160-B	H-9160-B	I	Chrome Plated ø.37" Steel	3.50	12.40	10.35	9.77	9.30
563-H-9166-B	H-9166-B	J	Chrome Plated ø.37" Brass	1.91	6.00	5.00	4.73	4.50
563-H-9168-B	H-9168-B	J	Chrome Plated ø.37" Brass	3.00	5.70	4.70	4.46	4.25



VALULINE RACK MOUNT CHASSIS

This Bud series has, for years, been one of the most requested by industry. It's well styled, quality constructed, economical, and versatile — can be used independently or in a standard E.I.A. 19" cabinet.

- Side and front panel, .090" aluminum
- Base, rear, and top, .050" aluminum
- Handles, aluminum extrusions
- Sides, white textured, rear and top smooth white
- Two detachable 11 gauge steel rack mounting brackets and rubber feet included
- Adhesive-backed paper protects panels and provides surface for laying out positions for drilling or punching



Without Handles

For quantities greater than 25, call for quote.

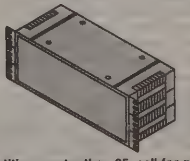
MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		L	W	H	1	2	15	25
563-NHC-14150	NHC-14150	8.00	8.50	1.75	57.45	51.70	45.95	43.69
563-NHC-14151	NHC-14151	8.00	17.00	1.75	74.80	67.30	59.85	56.90
563-NHC-14152	NHC-14152	13.00	17.00	1.75	89.00	80.10	71.20	67.69
563-NHC-14153	NHC-14153	8.00	8.50	3.50	69.05	62.15	55.25	52.51
563-NHC-14154	NHC-14154	8.00	17.00	3.50	84.50	76.05	67.60	64.26
563-NHC-14155	NHC-14155	13.00	17.00	3.50	108.65	97.80	86.90	82.61
563-NHC-14156	NHC-14156	13.00	17.00	5.25	121.65	114.98	102.20	97.16
563-NHC-14157	NHC-14157	13.00	17.00	7.00	151.40	136.25	121.10	115.13

With Handles

For quantities greater than 25, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		L	W	H	1	2	15	25
563-HC-14097	HC-14097	8.00	17.00	1.75	114.00	107.73	102.60	91.20
563-HC-14098	HC-14098	13.00	17.00	1.75	127.50	120.49	114.75	102.00
563-HC-14099	HC-14099	8.00	17.00	3.50	81.00	76.55	72.90	64.80
563-HC-14100	HC-14100	13.00	12.75	3.50	149.50	141.28	134.55	119.60
563-HC-14101	HC-14101	13.00	17.00	3.50	157.70	149.05	141.95	126.15
563-HC-14102	HC-14102	13.00	12.75	5.25	162.25	153.35	146.05	129.80
563-HC-14103	HC-14103	13.00	17.00	5.25	162.60	153.67	146.35	130.10
563-HC-14104	HC-14104	13.00	17.00	7.00	170.70	161.33	153.65	136.55
563-HC-14105	HC-14105	13.00	17.00	8.75	178.85	169.00	160.95	143.10
563-HC-14106	HC-14106	13.00	17.00	10.50	187.05	176.77	168.35	149.65
563-HC-14107	HC-14107	15.00	17.00	10.50	200.05	189.05	180.05	160.05
563-HC-14108	HC-14108	15.00	17.00	12.25	223.85	211.52	201.45	179.10
563-HC-14109	HC-14109	15.00	17.00	14.00	235.95	222.97	212.35	188.75

PLASTIC RACK MOUNT BOX



Features:

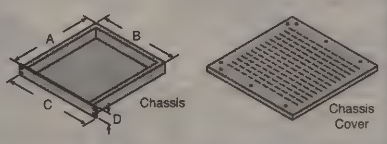
- Usable in either a desktop or a rackmount configuration.
- 19" rack mountable EIA standards
- Available in three popular heights: 1-U, 2-U, and 3-U
- Fully ventilated side panels provide maximum cooling of internal components
- Internal PCB mounting bosses
- Black ABS plastic, UL94-HB flammability rating

For quantities greater than 25, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in. H x W	Price Each			
			1	2	15	25
563-PRM-14460	PRM-14460	1.75 x 8.00 (1-U)	31.60	26.34	22.59	21.49
563-PRM-14462	PRM-14462	3.50 x 8.00 (2-U)	41.00	34.17	29.32	27.88
563-PRM-14464	PRM-14464	5.25 x 8.00 (3-U)	55.50	46.26	39.68	37.74

SMALL ALUMINUM RACK MOUNT CHASSIS & COVERS

Five sizes of aluminum rack mount chassis. 1U and 2U versions, in three different depths. Adaptable for slide mounting. Requires two pairs of panel mounting rails when used with slides.
Panels are .10" thick aluminum.
Chassis are .05" thick aluminum.



Small Rack Mount Chassis

For quantities greater than 25, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.				Price Each			
		A	B	C	D	1	2	15	25
563-CH-14400	CH-14400	4.00	17.00	19.00	1.80	30.70	25.65	23.62	21.48
563-CH-14401	CH-14401	8.00	17.00	19.00	1.80	41.60	34.75	32.01	29.10
563-CH-14402	CH-14402	16.00	17.00	19.00	1.80	60.00	50.15	46.20	42.00
563-CH-14403	CH-14403	8.00	17.00	19.00	3.50	61.40	51.25	47.30	43.00
563-CH-14404	CH-14404	16.00	17.00	19.00	3.50	78.80	65.80	60.67	55.15

Small Rack Mount Chassis Covers

For quantities greater than 25, call for quote.

MOUSER STOCK NO.	Bud Part No.	Description	Price Each			
			1	2	15	25
563-C-14430	C-14430	4" x 17" Ventilated cover	10.35	8.60	7.20	6.54
563-C-14440	C-14440	4" x 17" Solid cover	7.60	6.35	5.30	4.83
563-C-14431	C-14431	8" x 17" Ventilated cover	17.30	14.45	12.10	10.99
563-C-14441	C-14441	8" x 17" Solid cover	12.00	10.00	8.45	7.62
563-C-14432	C-14432	16" x 17" Ventilated cover	27.70	23.15	19.40	17.59
563-C-14442	C-14442	16" x 17" Solid cover	20.40	17.05	14.30	12.95

BUD Rack and Cabinet Accessories

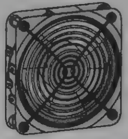
10" EXHAUST FAN

Fan mounts in the top of ventilated Economizer racks. Supplied with finger guard and all mounting hardware. 36" power cord supplied. UL/CSA rated with 535 CFM air flow.

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	3	5	10
563-FN-1282	FN-1282	134.70	125.70	122.58	116.74

4.5" EXHAUST FAN

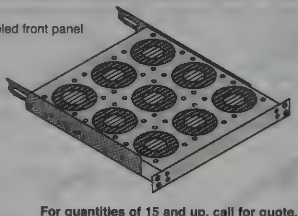


Fan mounts in FT-1170 Fan Tray or can be used individually in other applications. Supplied with one hardware cloth finger guard. UL approved.

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	3	5	10
563-FN-1280	FN-1280	37.50	30.97	28.15	24.38

FAN TRAY ASSEMBLY



Includes:

- 9-position fan tray with preassembled front panel
- 9-outlet daisy chain cord
- 6 foot power cord

Material:

- Fan tray and support angles: 16-gauge steel
- Front panel: 12-gauge steel

Finish:

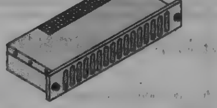
- Fan tray and front panels: White Texture or Metallic Gray

Use with Bud Fans/FN-1280

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	3	5	10
563-FT-1170-WH	FT-1170-WH	176.65	164.85	160.73	153.08
563-FT-1170-MG	FT-1170-MG	176.65	164.85	160.73	153.08

BLOWERS



The lowest silhouette height with the highest CFM output in the industry. Blowers exit air out the back; also, up and out of the top of racks, cabinets or consoles.

For quantities of 15 and up, call for quote.

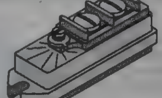
MOUSER STOCK NO.	Bud Part No.	Panel Height (In.)	Air CFM	Price Each			
				1	3	5	10
563-B-60	B-60	3.50	160.00	470.66	448.25	426.90	406.58
563-B-62	B-62	5.25	300.00	483.08	460.07	438.17	417.30

TEM-STAT TEMPERATURE CONTROLS

Prevent shut-downs caused by over-heating of electronic or electrical equipment in enclosures. Units react quickly to gradual or sudden temperature changes. UL and CSA listed.

Temperature Range: 80°F - 170°F, Accuracy: ±8°F

Cycles	Full Load Amps	Locked Rotor Amps	Pilot Duty VA	Volts
6,000	5.0	35.0	- - -	12VDC
30,000	6.0	36.0	- - -	120VAC
30,000	3.0	18.0	- - -	240VAC
100,000	4.0	24.0	125	120VAC
100,000	2.0	12.0	125	240VAC



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Contacts Normally	Contacts On Temp. Rise	Price Each			
				1	5	10	25
563-TS-15	TS-15	Open	Closed	34.80	26.13	24.00	22.10
563-TS-22	TS-22	Closed	Open	34.80	26.13	24.00	22.63

STEM LEVELERS

Nickel Plated Steel. 3/8-16 Thread. 563-RL-7767 furnished with 2 height adjusting nuts.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Base	Price Each			
			1	5	10	25
563-RL-7766	RL-7766	Rubber	6.70	5.60	5.36	5.05
563-RL-7767	RL-7767	Nylon	4.60	3.80	3.40	3.05
563-RL-7771	RL-7771	Rubber	4.31	3.61	3.25	3.00

EQUIPMENT MOUNTING SCREWS

10-32 x .62" Phillips steel machine screw. For mounting panels

MOUSER STOCK NO.	Bud Part No.	Price Each		
		1	100	500
563-7346	7346	.10	.08	.07

CASTERS

Casters are priced, sold, and packaged as pairs with all necessary mounting hardware included.

Extra-Heavy Duty

For Series 60 and Economizer cabinet racks. Ball-bearing wheels made of hard tread composition. Height: 3.25"

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Load Rating	Price Per Pair			
			1	3	5	10
563-RC-7758	RC-7758	200 lbs.	27.80	23.85	22.09	21.45

Extra-Heavy Duty

Ball-Bearing, Swivel Type

Wheels hard tread rubber 4" in diameter x 1.25" wide. Available with or without side brake. Increase overall height of cabinet by approximately 4".

For quantities of 50 and up, call for quote.

With Locking Brake						
563-RC-7761	RC-7761	240 lbs.	65.40	56.15	53.08	50.55
Without Locking Brake						
563-RC-7762	RC-7762	240 lbs.	56.60	48.60	45.94	43.75

Ball-Bearing, Swivel Type

RUBBER AND PLASTIC FEET

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Description	Price Each			
			1	10	100	250
563-F-3581	F-3581	.50" sq. x .21" high rubber feet with self-adhesive backing	.32	.30	.25	.23
563-F-3599	F-3599	.81" sq. x .31" high rubber feet with self-adhesive backing	.40	.33	.30	.27
563-F-7264-A	F-7264-A	.75" dia. x .37" high plastic feet with mounting hardware	.60	.50	.45	.40
563-F-7800-A	F-7800-A	.87" dia. x .50" high plastic feet with mounting hardware	.60	.50	.45	.40
563-F-8038	F-8038	.75" dia. x .12" thick self-adhesive rubber pad	.16	.13	.12	.11
563-F-9653	F-9653	Press-fit rubber feet fit into .43" dia. hole.	.32	.30	.25	.23

HINGED PATCH PANEL BRACKETS

Design Features:

These wall or rack mounted brackets accommodate all popular patch panel sizes and allow ready access to the rear of the panel.

Features:

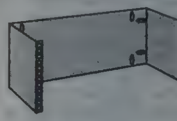
- Wall or 19" rack mountable.
- Heavy duty 16 gauge steel construction.
- Welded on heavy duty hinge.
- EIA spaced panel mounting holes.
- Three cable access knockouts in back panel.

Finish:

Black Texture (BT)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Depth	Panel Space	Price Per Pair			
				1	5	10	25
563-HWB-1790	HWB-1790	5.00	3.50	33.80	25.40	23.07	21.97
563-HWB-1792	HWB-1792	5.00	7.00	45.10	33.90	30.79	29.32
563-HWB-2790	HWB-2790	8.00	3.50	32.10	30.50	29.21	27.82



STANDARD PANELS

"Surface Shield" Panels,
SFA Series Mill finish .18" thick aluminum alloy. White pressure-sensitive paper on one side protects and provides surface for laying out drilling or punching position

Standard Aluminum Panels,
PA Series .12" aluminum alloy
Three colors available.
Replace the (-__) with:
WH for **White Texture**
MG for **Metallic Gray**
BT for **Black Texture**

Steel Panel,
PS Series, 11 gauge steel
Two colors available.
Replace the (-__) with:
WH for **White Texture**
MG for **Metallic Gray**

For all cabinets, cabinet racks, relay racks, and small enclosures, where applicable. 19" Width

For quantities of 5 and up, call for quote.

Panel Height (In.)	MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each	MOUSER STOCK NO.	Bud Part No.	Price Each
1.75	563-SFA-1831	SFA-1831	9.50	563-PA-1101-__	PA-1101-__	10.35	563-PS-1250-__	PS-1250-__	10.80
3.50	563-SFA-1832	SFA-1832	13.90	563-PA-1102-__	PA-1102-__	14.40	563-PS-1251-__	PS-1251-__	13.10
5.25	563-SFA-1833	SFA-1833	17.80	563-PA-1103-__	PA-1103-__	19.70	563-PS-1252-__	PS-1252-__	20.60
7.00	563-SFA-1834	SFA-1834	22.80	563-PA-1104-__	PA-1104-__	24.50	563-PS-1253-__	PS-1253-__	22.70
8.75	563-SFA-1835	SFA-1835	25.00	563-PA-1105-__	PA-1105-__	29.70	563-PS-1254-__	PS-1254-__	27.50
10.50	563-SFA-1836	SFA-1836	32.40	563-PA-1106-__	PA-1106-__	37.70	563-PS-1255-__	PS-1255-__	30.60
12.25	563-SFA-1837	SFA-1837	37.50	563-PA-1107-__	PA-1107-__	41.40	563-PS-1256-__	PS-1256-__	35.00
14.00	563-SFA-1838	SFA-1838	42.40	563-PA-1108-__	PA-1108-__	46.10	563-PS-1257-__	PS-1257-__	41.20
15.75	563-SFA-1839	SFA-1839	47.80	563-PA-1109-__	PA-1109-__	51.20	563-PS-1258-__	PS-1258-__	44.50
17.50	563-SFA-1840	SFA-1840	52.60	563-PA-1110-__	PA-1110-__	52.35	563-PS-1259-__	PS-1259-__	47.80
19.25	563-SFA-1841	SFA-1841	58.40	563-PA-1111-__	PA-1111-__	55.25	563-PS-1260-__	PS-1260-__	57.10
21.00	563-SFA-1842	SFA-1842	63.90	563-PA-1112-__	PA-1112-__	57.45	563-PS-1261-__	PS-1261-__	58.80

RACKMOUNT POWER OUTLET STRIPS

- Standard 19" EOA rack mountable
- Utilizes 1U (1.75") panel height
- Lighted power switch
- Black steel housing
- UL recognized
- Surge suppressed
- 15 Amp, 125 Volt rating
- 15 foot power cord
- 8 outlets

For quantities of 15 and up, call for quote.

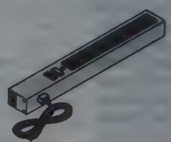
MOUSER STOCK NO.	Bud Part No.	Description	Price Each			
			1	3	5	10
563-POS-194-S	POS-194-S	Rear Outlet Location	49.50	45.52	44.19	42.90
563-POS-195-S	POS-195-S	Front Outlet Location	49.50	45.52	44.19	42.90

SURGE SUPPRESSED POWER OUTLET STRIPS

Provides protection to data or word processing equipment and other sensitive electrical equipment from sudden spikes or high energy voltage. Prevents equipment damage, lost or distorted data. Maximum surge current is 13000 amps, response time is <5ns. 15 amp thermal type, circuit breaker with reset. 14 gauge, 3 wire, 6 foot power cord, all components UL approved.

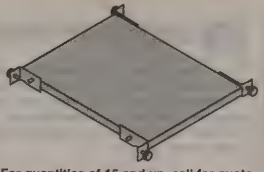
For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	No. of Outlets	Length (In.)	Price Each			
				1	3	5	10
563-POS-4-S	POS-4-S	4	17.50	89.75	83.70	81.63	77.74
563-POS-66	POS-66	6	12.25	68.90	64.35	62.73	59.74
563-POS-7-S	POS-7-S	7	48.00	89.75	83.70	81.63	77.74
563-POS-9-S	POS-9-S	9	60.00	97.00	90.50	88.25	84.05
563-POS-11-S	POS-11-S	11	72.00	102.25	95.40	93.03	88.60



BUD Stationary Shelves and Accessories

TOOL-LESS SHELF

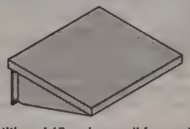


Shelf is made out of heavy duty 16 gauge steel, with 12 gauge steel mounting brackets. Finished in durable smooth black powder coat. Mounting brackets attach to Bud standard panel mounting rails with simple thumbscrews. Shelf inserts into brackets for a solid and secure mounting surface for up to 150 pounds of equipment. Shelf installs in less than 5 minutes without requiring any additional tools or hardware. Ideal for 19" panel width cabinet/rack installations requiring frequent equipment relocations.

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.		Price Each			
		Depth	Width	1	3	5	10
563-SH-1730	SH-1730	23.00	17.68	**83.75**	**78.10**	**72.54**	**72.54**

SHELF ASSEMBLY



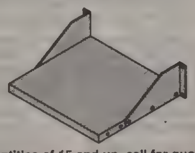
May be attached over panel or direct to panel, or to panel mounting rails. Overall height 7"

There are two colors available,
replace the (__) in the part number with:
RB for **Royal Blue** or GT for **Gray Textured**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.		Price Each			
		Depth	Width	1	3	5	10
563-SA-1719-__	SA-1719-__	16.00	22.00	**84.23**	**78.61**	**75.80**	**73.00**
563-SA-1720-__	SA-1720-__	20.00	22.00	**94.60**	**85.15**	**75.70**	**71.00**

ADJUSTABLE SHELF, OPEN RACK



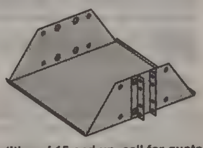
Open rack shelves fit 19" and 23" wide panel spaces. Shelves are 16 gauge steel and are flanged for added support. Shelves are adjustable for depth within rack and come with all mounting brackets and hardware.

There are two colors available,
replace the (__) in the part number with:
BT for **Black Textured** or MG for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.		Price Each			
		Depth	Width	1	3	5	10
563-SA-1278-__	SA-1278-__	16.00	17.62	**75.75**	**70.70**	**68.18**	**65.65**
563-SA-1279-__	SA-1279-__	20.00	17.62	**81.68**	**76.23**	**73.51**	**70.79**
563-SA-1378-__	SA-1378-__	16.00	21.62	**87.90**	**82.04**	**79.11**	**76.18**
563-SA-1379-__	SA-1379-__	20.00	21.62	**96.90**	**90.44**	**87.21**	**83.98**

OPEN RACK SHELF



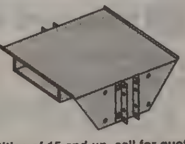
Center mounted shelf mounts between the upright rails of all standard 19" or 23" panel width open racks. Offered in ventilated and non-ventilated versions, shelf is 19" deep and 5.25" high. Rugged 16-gauge steel construction. Supports 200 lbs.

There are two colors available,
replace the (__) in the part number with:
BT for **Black Textured** or MG for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width: in.	Version	Price Each			
				1	3	5	10
563-SA-1765-__	SA-1765-__	19.00	Non-Ventilated	**69.60**	**64.96**	**62.64**	**60.32**
563-SA-1766-__	SA-1766-__	19.00	Ventilated	**80.48**	**75.11**	**72.43**	**69.75**
563-SA-1767-__	SA-1767-__	23.00	Non-Ventilated	**74.03**	**69.09**	**66.62**	**64.16**
563-SA-1768-__	SA-1768-__	23.00	Ventilated	**83.33**	**77.77**	**74.99**	**72.22**

OPEN RACK MONITOR SHELF



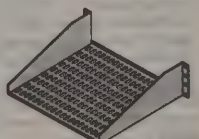
19" deep heavy gauge steel shelf mounts to any 19" or 23" panel width open rack. Includes 4" high x 10.5" wide integrated switch box compartment. Supports 200 Lbs. Includes all mounting hardware.

There are two colors available,
replace the (__) in the part number with:
BT for **Black Textured** or MG for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width: in.	Price Each			
			1	3	5	10
563-SA-1796-__	SA-1796-__	19.00	**82.58**	**77.07**	**74.32**	**71.57**
563-SA-1798-__	SA-1798-__	23.00	**88.43**	**77.77**	**74.99**	**72.22**

EQUIPMENT SHELF-OPEN RACK



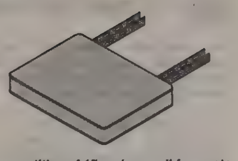
Open rack shelves fit 19" and 23" wide panel spaces and 5.25" panel height. Shelves are one-piece, 16 gauge steel and are flanged for added support. They are offered in non-ventilated and ventilated versions, and include all mounting hardware. Supports 150 lbs.

There are two colors available,
replace the (__) in the part number with:
BT for **Black Textured** or MG for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Type	Dim.: in.		Price Each			
			Depth	Width	1	3	5	10
563-SA-1750-__	SA-1750-__	Non-Ventilated	15.00	17.62	**55.20**	**51.52**	**49.93**	**47.84**
563-SA-1751-__	SA-1751-__	Ventilated	15.00	17.62	**60.30**	**56.28**	**54.27**	**52.26**
563-SA-1752-__	SA-1752-__	Non-Ventilated	20.00	17.62	**66.00**	**61.60**	**59.40**	**57.20**
563-SA-1753-__	SA-1753-__	Ventilated	20.00	17.62	**71.55**	**66.78**	**64.40**	**62.01**
563-SA-1754-__	SA-1754-__	Non-Ventilated	15.00	21.62	**57.98**	**54.11**	**52.18**	**50.25**
563-SA-1755-__	SA-1755-__	Ventilated	15.00	21.62	**64.50**	**60.20**	**58.05**	**55.90**
563-SA-1756-__	SA-1756-__	Non-Ventilated	20.00	21.62	**71.18**	**66.43**	**64.06**	**61.69**
563-SA-1757-__	SA-1757-__	Ventilated	20.00	21.62	**72.68**	**67.43**	**65.41**	**62.99**

ECONOMIZER™ DESK TOP

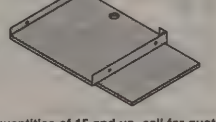


Design Features:
Supports 200 pounds. Easy to install: Just bolt pre-slotted, adjustable support channels to cabinet racks mounting rails. Fits all cabinet depths. 18.00" deep, plastic laminated top. Requires two pairs of panel mounting rails per cabinet rack. Finish: Antique White

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.		Price Each			
		Depth	Width	1	3	5	10
563-DT-17400	DT-17400	18.00	22.00	**260.60**	**243.20**	**237.10**	**225.81**

STATIONARY KEYBOARD/MOUSE SHELF



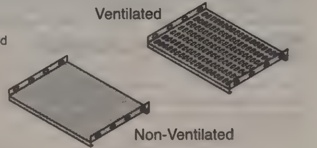
Heavy gauge steel shelf mounts to any 19" panel width open rack. Comes with 9"x7" mouse tray that can be bolted on to either the left or right hand side of the shelf. Takes up 1-U (1.75") of panel space. Includes Mounting hardware.

There are two colors available,
replace the (__) in the part number with:
BT for **Black Textured** or MG for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width: in.	Price Each			
			1	3	5	10
563-SA-1775-__	SA-1775-__	19	**64.20**	**59.92**	**57.78**	**55.64**

STATIONARY SHELVES

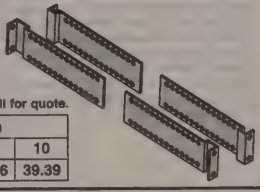


Stationary shelves, available in ventilated and non-ventilated versions, fit 19" wide panel spaces and all cabinet depths. Shelves are one-piece, 16-gauge steel with flanged front and rear to support up to 200 lbs. All shelves come with necessary mounting hardware. Additional brackets are furnished to allow flexibility in mounting. Shelves allow sufficient room in rear for cables and power outlet strips. Requires two pairs of panel mounting rails per cabinet rack. Finish: Smooth Black

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Cabinet Racks		Shelves: in.		Price Each			
		Panel Width (in.)	Max Clear Inside Depth	Width	Depth	1	3	5	10
Ventilated									
563-SH-2383	SH-2383	19.00	17.00	17.90	14.25	**59.55**	**55.58**	**53.60**	**51.61**
563-SH-2384	SH-2384	19.00	20.50	17.90	17.75	**62.40**	**58.24**	**56.16**	**54.08**
563-SH-2385	SH-2385	19.00	24.00	17.90	21.25	**64.73**	**60.41**	**58.25**	**56.10**
563-SH-2386	SH-2386	19.00	29.25	17.90	26.50	**70.13**	**65.45**	**63.11**	**60.78**
Non-Ventilated									
563-SH-2379	SH-2379	19.00	17.00	17.90	14.25	**57.15**	**53.34**	**51.44**	**49.53**
563-SH-2380	SH-2380	19.00	20.50	17.90	17.75	**59.55**	**55.58**	**53.60**	**51.61**
563-SH-2381	SH-2381	19.00	24.00	17.90	21.25	**62.55**	**58.38**	**56.30**	**54.21**
563-SH-2382	SH-2382	19.00	29.25	17.90	26.50	**66.98**	**62.51**	**60.28**	**58.05**

SHELF ADAPTER BRACKETS

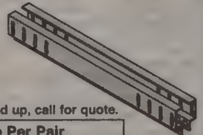


Sturdy heavy gauge steel construction. Allows standard stationary shelves to be mounted in cabinet having panel mounting rails without an accessory flange (L-shaped panel mounting rails)
Finish: Black

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Height: in.	Price Each			
			1	3	5	10
563-AB-2375	AB-2375	1.75	**60.60**	**45.50**	**41.36**	**39.39**

STANDARD PANEL MOUNTING RAILS

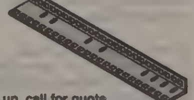


- 12 Gauge Steel
- Sold in pairs
- Finish: Black
- Rail Mounting Hardware included (Equipment Mounting Screws sold separately: Mouser No. 563-7346)

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fits Cabinet Rack w/Panel Space (in.)	Price Per Pair			
			1	3	5	10
563-PMR-9448	PMR-9448	21.00	**54.15**	**50.54**	**48.74**	**46.93**
563-PMR-2331	PMR-2331	24.50	**51.20**	**47.80**	**46.62**	**44.40**
563-PMR-9449	PMR-9449	31.50	**61.65**	**57.54**	**55.49**	**53.43**
563-PMR-9450	PMR-9450	42.00	**66.83**	**62.37**	**60.14**	**57.92**
563-PMR-9451	PMR-9451	52.50	**74.03**	**69.09**	**66.62**	**64.16**
563-PMR-9452	PMR-9452	61.25	**82.80**	**77.28**	**74.52**	**71.76**
563-PMR-9453	PMR-9453	71.00	**90.53**	**84.49**	**81.47**	**78.46**
563-PMR-9454	PMR-9454	78.75	**96.00**	**89.60**	**86.40**	**83.20**

L-SHAPED PANEL MOUNTING RAILS



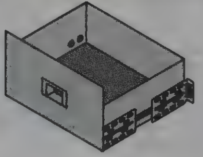
- Installation of most servers
- Fits in all Bud cabinets
- E.I.A spaced holes use cage nuts (ordered separately) for secure equipment mounting
- Will accept all 19" E.I.A. rack mountable equipment
- Cage nuts: #12-24 (Mouser No. 563-307) or M6 (Mouser No. 563-851-DLH)
- Four rails per pkg.

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fits Cabinet Rack w/Panel Space (in.)	Price Per Package			
			1	3	5	10
563-PMR-9483	PMR-9483	70	**152.18**	**142.03**	**136.96**	**131.89**
563-PMR-9484	PMR-9484	78.75	**161.10**	**150.36**	**144.99**	**139.62**

BUD Sliding Drawers, Shelves, and Accessories

SLIDING DRAWER



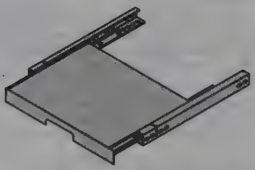
Fits cabinets with 19" panel width. Front panel height, 8.75". Supports heavy loads even when fully extended. Requires two pairs of panel mounting rails per cabinet rack.

There are three colors available, replace the (__) in the part number with: **WH** for **White Textured**, **BT** for **Black Textured**, or **MG** for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Inside Dimensions (In.)	Price Each			
			1	3	5	10
563-D-1722-__	D-1722-__	16.56 x 6.31 x 16.18	193.95	181.02	174.56	168.09
563-D-1723-__	D-1723-__	16.56 x 6.31 x 19.18	201.38	187.95	181.24	174.53

SLIDING DESKTOP



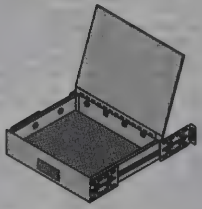
Requires only 1.75" panel space. Working area, 12" x 15.75". Supports 50 lbs., plastic laminated surface. Ball-bearing slide mechanism. Locks in open position. Top surface is antique white. Requires two pairs of panel mounting rails per cabinet rack.

Three panel finishes available, replace the (__) in the part number with: **WH** for **White Textured**, **BT** for **Black Textured**, or **MG** for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Surface Width	Area Depth (In.)	Panel (In.)	Price Each			
					1	3	5	10
563-60-2361-__	60-2361-__	15.75	15.37	19 x 1.75	132.95	124.05	120.94	115.18

DESK TOP DRAWER



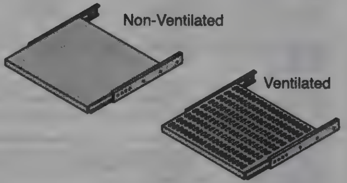
Front panel height, 3.5". Hinged drawer top has plastic laminate bonded to Aluminum. Requires two pairs of panel mounting rails per cabinet rack. Supports 92 lbs.

There are three colors available, replace the (__) in the part number with: **WH** for **White Textured**, **BT** for **Black Textured**, or **MG** for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Inside Dimensions (In.)	Price Each			
			1	3	5	10
563-DD-2363-__	DD-2363-__	16.87 x 13.87 x 3	257.80	235.00	229.12	218.21

SLIDING SHELVES

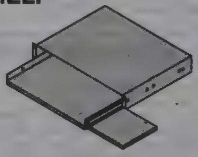


Sliding shelves, available in ventilated and non-ventilated versions, fit 19" wide panel spaces and all cabinet rack depths. Shelves 16-gauge steel and flanged on all four sides for added support. Universal mounting brackets allow flexibility in mounting. Shelves allow sufficient room in rear for cables and power outlet strips. Requires two pairs of panel mounting rails per cabinet rack. Finish: Smooth Black

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Cabinet Racks (In.)		Shelves (In.)			Price Each			
		Panel Width	Max. Clear Inside Depth	Width	Depth	Travel	1	3	5	10
Ventilated										
563-SH-2391	SH-2391	19.00	17.00	17.90	14.25	8.00	102.53	95.69	92.27	88.86
563-SH-2392	SH-2392	19.00	20.50	17.90	17.75	12.00	109.80	102.48	98.82	95.16
563-SH-2393	SH-2393	19.00	24.00	17.90	21.25	15.00	115.35	107.66	103.82	99.97
563-SH-2394	SH-2394	19.00	29.25	17.90	26.50	19.00	124.50	116.20	112.05	107.90
Non-Ventilated										
563-SH-2387	SH-2387	19.00	17.00	17.90	14.25	8.00	100.65	93.94	90.59	87.23
563-SH-2388	SH-2388	19.00	20.50	17.90	17.75	12.00	108.00	100.80	97.20	93.60
563-SH-2389	SH-2389	19.00	24.00	17.90	21.25	15.00	113.48	105.91	102.13	98.35
563-SH-2390	SH-2390	19.00	29.25	17.90	26.50	19.00	122.63	114.45	110.36	106.28

SLIDING KEYBOARD/MOUSE SHELF



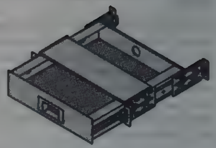
Sliding keyboard shelf fits 19" and 23" panel width racks. Mouse pad slides out from underneath the shelf in either the right or left side. Takes up 2-U (3.5") of panel space. Includes all mounting hardware.

There are two colors available, replace the (__) in the part number with: **BT** for **Black Textured** or **MG** for **Metallic Gray**

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Max. Keyboard Width (In.)	Price Each			
				1	3	5	10
563-KS-1785-__	KS-1785-__	19.00	16.50	150.30	135.25	120.25	112.75
563-KS-1787-__	KS-1787-__	23.00	20.50	152.85	137.58	124.97	119.02

SLIDING KEYBOARD SHELF



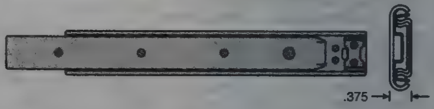
Sliding shelf fits into any 19" panel width cabinet or rack yet still accepts all standard PC and most custom keyboards up to 23" wide. Ample storage space for keyboards, mouse and manuals. Convenient adjustable mouse and/ or notepad panel. Finish: Black

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Panel Width (In.)	Max. Keyboard Width (In.)	Price Each			
				1	3	5	10
563-KS-1788	KS-1788	19.00	23.00	163.30	163.30	152.55	138.37

SLIDING MECHANISMS

Each of these Zinc Plated, Alloy Steel telescoping and linear motion mechanisms consists of an outer member, inner member, ball retainer and ball bearings. All types offer a smooth, precise telescoping movement with long service life. Requires two pairs of panel mounting rails per cabinet rack.



∗ Load rating shown in table is "per pair"

DIMENSIONS: in.

Two-Piece Slide

3/4 extension, front disconnect, positive stop Max. chassis width 2.00" less than rack panel width, when used with BAS-5106 Slide Mounting Bracket Kit.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Slide Length	Travel	*Load Rating (lbs.)	Price per Pair			
					1	5	10	25
563-AS-5000-A	AS-5000-A	12.00"	8.00"	140	25.47	22.90	20.35	19.83
563-AS-5001-A	AS-5001-A	16.00"	12.00"	120	33.48	30.15	26.80	26.07
563-AS-5002-A	AS-5002-A	20.00"	15.00"	92	35.07	31.60	28.10	27.30
563-AS-5004-A	AS-5004-A	26.00"	19.00"	70	38.74	34.90	31.00	30.16

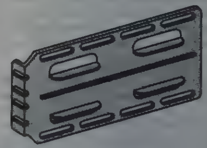
Three-Piece Slide

Full extension, front disconnect, positive stop. Max. chassis width 2.75" lass than rack panel width, when used with BAS-5106 Slide Mounting Bracket Kit.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Slide Length	Travel	*Load Rating (lbs.)	Price per Pair			
					1	5	10	25
563-AS-5042-A	AS-5042-A	20.00"	20.87"	91.00	75.99	68.40	60.80	59.15

SLIDE MOUNTING BRACKET KIT

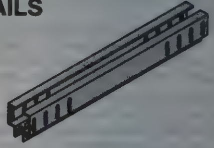


Recommended for two-piece slides subject to maximum chassis width as shown above. It is easier to assemble. Allows slides to be mounted to panel mounting surface or accessory flange of panel mounting rails.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	5	10	25
563-BAS-5106	BAS-5106	30.20	22.55	20.05	19.63

STANDARD PANEL MOUNTING RAILS

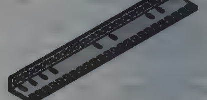


- 12 Gauge Steel
- Sold in pairs
- Finish: Black
- Rail Mounting Hardware included (Equipment Mounting Screws sold separately: Mouser No. (563-7346)

For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fits Cabinet Rack with Panel Space	Price Per Pair			
			1	3	5	10
563-PMR-9448	PMR-9448	21.00"	54.15	50.54	48.74	46.93
563-PMR-2331	PMR-2331	24.50"	51.20	47.80	46.62	44.40
563-PMR-9449	PMR-9449	31.50"	61.65	57.54	55.49	53.43
563-PMR-9450	PMR-9450	42.00"	66.83	62.37	60.14	57.92
563-PMR-9451	PMR-9451	52.50"	74.03	69.09	66.62	64.16
563-PMR-9452	PMR-9452	61.25"	82.80	77.28	74.52	71.76
563-PMR-9453	PMR-9453	71.00"	90.53	84.49	81.47	78.46
563-PMR-9454	PMR-9454	78.75"	96.00	89.60	86.40	83.20

L-SHAPED PANEL MOUNTING RAILS



- Installation of most servers
- Fits in all Bud cabinets
- E.I.A spaced holes use cage nuts (ordered separately) for secure equipment mounting
- Will accept all 19" E.I.A. rack mountable equipment
- Cage nuts: #12-24 (Mouser No. 563-307) or M6 (Mouser No. 563-581-DLH)
- 4 rails per pkg.

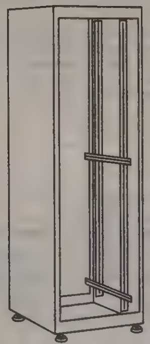
For quantities of 15 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fits Cabinet Rack with Panel Space	Price Per Package			
			1	3	5	10
563-PMR-9483	PMR-9483	70"	152.18	142.03	136.96	131.89
563-PMR-9484	PMR-9484	78.75"	161.10	150.36	144.99	139.62

HAMMOND KNOCKDOWN RACKS

Features:

- Heavy duty 16 gauge steel top, bottom, and sides
- Rails are made of 10 gauge steel finished in Black Powder Paint
- Unit is shipped complete with 4 infinitely adjustable (front to back) combination rails
- Rails round hole punched for 10-32 screws
- Includes 4 leveling feet
- Shipped in a flat pack container for damage-free receipt
- Simple assembly using one bolt in each corner to lock the sides to the top and bottom



Overall Width: 21.34"
Panel Width: 19"
Panel Depth: 24.5"

"Shipped Factory Direct"

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.				Dimensions: in.			Price Each
Textured Black		Textured Beige		H	Panel Height		
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.		Inches	Units	
546	**REFK1903524BK1**	**546**	**REFK1903524CG1**	40.19	35.00	20	**415.89**
546	**REFK1904224BK1**	**546**	**REFK1904224CG1**	47.19	42.00	24	**447.26**
546	**REFK1904924BK1**	**546**	**REFK1904924CG1**	54.19	49.00	28	**510.05**
546	**REFK1905624BK1**	**546**	**REFK1905624CG1**	61.19	56.00	32	**541.42**
546	**REFK1906324BK1**	**546**	**REFK1906324CG1**	68.19	63.00	36	**564.98**
546	**REFK1907024BK1**	**546**	**REFK1907024CG1**	75.19	70.00	40	**627.75**
546	**REFK1907724BK1**	**546**	**REFK1907724CG1**	82.19	78.75	45	**656.00**

HAMMOND DOORS FOR KNOCKDOWN RACKS

Features:

- Flush mount
- Features lockable latch and spring loaded pins for instant installation or removal
- Allows full access to space between panel rails when open
- Constructed from 18 gauge steel
- Finish matches "REFK" type rack in baked powder paint
- Solid door is reversible right or left opening (by inverting door)
- Louvered door opens right hand only with louvers facing down

Solid Flush Door

Louvered Door

"Shipped Factory Direct"

Solid Flush Door

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.				Dimensions: in.			Price Each
Textured Black		Textured Beige		Use With Rack Part Number	Panel Height		
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.		Inches	Units	
546	**RSDF19035BK1**	**546**	**RSDF19035CG1**	REFK1903524	35.00	20	**109.86**
546	**RSDF19042BK1**	**546**	**RSDF19042CG1**	REFK1904224	42.00	24	**129.50**
546	**RSDF19049BK1**	**546**	**RSDF19049CG1**	REFK1904924	49.00	28	**143.58**
546	**RSDF19056BK1**	**546**	**RSDF19056CG1**	REFK1905624	56.00	32	**156.93**
546	**RSDF19063BK1**	**546**	**RSDF19063CG1**	REFK1906324	63.00	36	**166.37**
546	**RSDF19070BK1**	**546**	**RSDF19070CG1**	REFK1907024	70.00	40	**175.77**
546	**RSDF19077BK1**	**546**	**RSDF19077CG1**	REFK1907724	77.00	44	**189.91**

Louvered Door

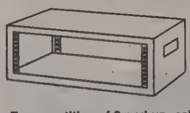
For quantities of 2 and up, call for quote.

546	**RSDL19035BK1**	**546**	**RSDL19035CG1**	REFK1903524	35.00	20	**124.56**
546	**RSDL19042BK1**	**546**	**RSDL19042CG1**	REFK1904224	42.00	24	**142.33**
546	**RSDL19049BK1**	**546**	**RSDL19049CG1**	REFK1904924	49.00	28	**160.17**
546	**RSDL19056BK1**	**546**	**RSDL19056CG1**	REFK1905624	56.00	32	**175.42**
546	**RSDL19063BK1**	**546**	**RSDL19063CG1**	REFK1906324	63.00	36	**190.66**
546	**RSDL19070BK1**	**546**	**RSDL19070CG1**	REFK1907024	70.00	40	**203.37**
546	**RSDL19077BK1**	**546**	**RSDL19077CG1**	REFK1907724	77.00	44	**216.11**

HAMMOND DESK TOP RACK (LIGHT DUTY)

Features:

- 16 gauge steel 19" table top rack
- Rails are infinitely adjustable (front to back)
- Rails have round holes punched for 10-32 clip nuts
- Includes rubber feet, 2 lifting handles and 10-32 clip nuts
- Overall width: 21"
- Overall height: 2" over Panel Height



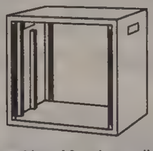
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.				Panel Height: in.		Number of Clip Nuts	Price Each
Textured Black		Textured Beige					
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.	Inches	Units		
13" Deep							
546	**RCBS1900313BK1**	**546**	**RCBS1900313CG1**	3.50	2	8	**94.28**
546	**RCBS1900513BK1**	**546**	**RCBS1900513CG1**	5.25	3	8	**101.45**
546	**RCBS1900713BK1**	**546**	**RCBS1900713CG1**	7.00	4	8	**109.72**
546	**RCBS1900813BK1**	**546**	**RCBS1900813CG1**	8.75	5	16	**124.30**
546	**RCBS1901013BK1**	**546**	**RCBS1901013CG1**	10.50	6	16	**130.01**
546	**RCBS1901213BK1**	**546**	**RCBS1901213CG1**	12.25	7	16	**141.44**
546	**RCBS1901413BK1**	**546**	**RCBS1901413CG1**	14.00	8	16	**177.15**
17" Deep							
546	**RCBS1900517BK1**	**546**	**RCBS1900517CG1**	5.25	3	8	**121.46**
546	**RCBS1900717BK1**	**546**	**RCBS1900717CG1**	7.00	4	8	**141.44**
546	**RCBS1900817BK1**	**546**	**RCBS1900817CG1**	8.75	5	16	**168.58**
546	**RCBS1901017BK1**	**546**	**RCBS1901017CG1**	10.50	6	16	**178.58**
546	**RCBS1901217BK1**	**546**	**RCBS1901217CG1**	12.25	7	16	**195.73**
546	**RCBS1901417BK1**	**546**	**RCBS1901417CG1**	14.00	8	16	**200.00**

HAMMOND DESK TOP RACK (HEAVY DUTY)

Features:

- 16 gauge steel 19" table top rack
- Rails are fixed both front and rear
- Rails have round holes punched for 10-32 clip nuts
- Includes 2 pair of fixed accessory rails (for rear support of heavier equipment), rubber feet, 2 lifting handles and 10-32 clip nuts
- Overall width: 21"
- Overall height: 2" over Panel Height



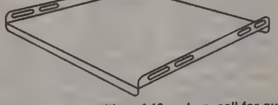
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.				Panel Height: in.		Number of Clip Nuts	Price Each
Textured Black		Textured Beige					
Mfr.	Mfr. Part No.	Mfr.	Mfr. Part No.	Inches	Units		
17.5" Deep							
546	**RCHS1900817BK1**	**546**	**RCHS1900817CG1**	8.75	5	8	**182.80**
546	**RCHS1901017BK1**	**546**	**RCHS1901017CG1**	10.50	6	16	**211.40**
546	**RCHS1901417BK1**	**546**	**RCHS1901417CG1**	14.00	8	16	**216.44**
546	**RCHS1901717BK1**	**546**	**RCHS1901717CG1**	17.50	10	16	**224.74**
546	**RCHS1902217BK1**	**546**	**RCHS1902217CG1**	22.75	13	16	**244.72**
546	**RCHS1902817BK1**	**546**	**RCHS1902817CG1**	28.00	16	16	**287.63**
24.5" Deep							
546	**RCHS1901024BK1**	**546**	**RCHS1901024CG1**	10.50	6	16	**284.65**
546	**RCHS1901424BK1**	**546**	**RCHS1901424CG1**	14.00	8	16	**299.62**
546	**RCHS1901724BK1**	**546**	**RCHS1901724CG1**	17.50	10	16	**309.61**
546	**RCHS1902224BK1**	**546**	**RCHS1902224CG1**	22.75	13	16	**319.62**
546	**RCHS1902824BK1**	**546**	**RCHS1902824CG1**	28.00	16	16	**332.90**

HAMMOND FIXED SHELF

Features:

- 14 gauge steel construction
- 19" rack mount shelf
- Side slotted for easy front to back adjustment
- Finished in Textured Black Powder Paint



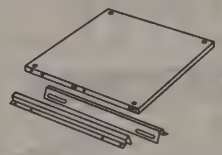
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.		Price Each	
		H	D	1	2
Solid					
546-RFUS1918BK1	RFUS1918BK1	19.00	18.00	**40.26**	**38.71**
546-RFUS1921BK1	RFUS1921BK1	19.00	21.00	**42.67**	**41.03**
546-RFUS1926BK1	RFUS1926BK1	19.00	26.00	**45.71**	**43.95**
Vented					
546-RFVS1918BK1	RFVS1918BK1	19.00	18.00	**40.26**	**38.71**
546-RFVS1921BK1	RFVS1921BK1	19.00	21.00	**42.67**	**41.03**
546-RFVS1926BK1	RFVS1926BK1	19.00	26.00	**45.71**	**43.95**

HAMMOND FIXED/PULL-OUT SHELF

Features:

- 18 gauge steel construction
- Mounts to internal rails
- Finished in Smooth White
- 14 gauge brackets, side slotted for easy front to back adjustment



For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.		Bracket Depth	Price Each		
		H	D		1	2	5
546-RASC1912WH2	RASC1912WH2	19.00	11.90	13.20	**61.80**	**59.43**	**57.05**
546-RASC1916WH2	RASC1916WH2	19.00	15.90	14.90	**69.40**	**66.73**	**64.06**
546-RASC1922WH2	RASC1922WH2	19.00	21.90	20.90	**79.15**	**76.11**	**73.07**

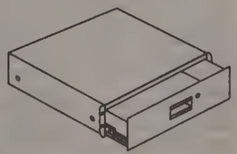
HAMMOND RAIL MOUNT STORAGE DRAWERS

For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	MOUSER STOCK NO.	Hammond Part No.	Drawer Depth: in.	Price Each		
					1	2	5
Black Textured		Beige Textured					
546-RDRW1900312BK1	RDRW1900312BK1	**546-RDRW1900312CG1**	RDRW1900312CG1	12	**174.27**	**167.56**	**160.86**
546-RDRW1900316BK1	RDRW1900316BK1	**546-RDRW1900316CG1**	RDRW1900316CG1	16	**189.50**	**182.21**	**174.92**
546-RDRW1900322BK1	RDRW1900322BK1	**546-RDRW1900322CG1**	RDRW1900322CG1	22	**198.22**	**190.59**	**182.97**

Features:

- Plastic front pull handle
- Slides, hardware, lock and two keys included
- Weight load tested to 120 lbs.



HAMMOND Rack Mount Enclosures and Accessories

HAMMOND RACK MOUNT/DESK TOP ENCLOSURES

Features:

- Mounts on standard 19" rack space or can be used table top
- Aluminum panels can be removed from any of all 6 sides w/only 4 screws
- Shipped knocked down and includes all hardware, rack mount ears and rubber feet
- Front and rear panel are interchangeable (one is Smooth Off White, one is Smooth Black Powder Paint)
- Finished in Textured Black Powder Paint

RoHS Compliant

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.			Price Each	
		H	W	D	1	2
Solid						
546-RMCS19018BK1	RMCS19018BK1	1.75	17.00	8.00	57.70	53.96
546-RMCS190113BK1	RMCS190113BK1	1.75	17.00	13.00	67.88	63.48
546-RMCS19038BK1	RMCS19038BK1	3.50	17.00	8.00	64.50	60.31
546-RMCS190313BK1	RMCS190313BK1	3.50	17.00	13.00	81.47	76.18
546-RMCS190513BK1	RMCS190513BK1	5.25	17.00	13.00	93.35	87.29
546-RMCS190713BK1	RMCS190713BK1	7.00	17.00	13.00	106.92	99.98
546-RMCS190813BK1	RMCS190813BK1	8.75	17.00	13.00	128.99	120.61
546-RMCS191013BK1	RMCS191013BK1	10.50	17.00	13.00	142.57	133.32
546-RMCS191015BK1	RMCS191015BK1	10.50	17.00	15.00	140.86	131.72
Vented						
546-RMCV19018BK1	RMCV19018BK1	1.75	17.00	8.00	63.48	59.36
546-RMCV190113BK1	RMCV190113BK1	1.75	17.00	13.00	74.67	69.83
546-RMCV19038BK1	RMCV19038BK1	3.50	17.00	8.00	76.76	73.81
546-RMCV190313BK1	RMCV190313BK1	3.50	17.00	13.00	89.61	83.79
546-RMCV190513BK1	RMCV190513BK1	5.25	17.00	13.00	102.69	96.02
546-RMCV190713BK1	RMCV190713BK1	7.00	17.00	13.00	117.63	109.99
546-RMCV190813BK1	RMCV190813BK1	8.75	17.00	13.00	141.90	132.68
546-RMCV191013BK1	RMCV191013BK1	10.50	17.00	13.00	156.82	146.64
546-RMCV191015BK1	RMCV191015BK1	10.50	17.00	15.00	154.95	144.89
Half Width - Solid						
546-RMCS9018BK1	RMCS9018BK1	1.75	8.50	8.00	49.22	46.02
546-RMCS9038BK1	RMCS9038BK1	3.50	8.50	8.00	56.01	52.37
546-RMCS9058BK1	RMCS9058BK1	5.25	8.50	8.00	61.11	57.14
Half Width - Vented						
546-RMCV9018BK1	RMCV9018BK1	1.75	8.50	8.00	54.15	50.63
546-RMCV9038BK1	RMCV9038BK1	3.50	8.50	8.00	61.62	57.61
546-RMCV9058BK1	RMCV9058BK1	5.25	8.50	8.00	67.22	62.86

HAMMOND CHASSIS PANELS

RoHS Compliant

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Use With Enclosure		Price Each	
		W: in.	D: in.	1	2
546-RMP908	RMP908	8.5	8	13.49	12.61
546-RMP1908	RMP1908	17	8	20.20	18.89
546-RMP1913	RMP1913	17	13	23.41	21.89
546-RMP1915	RMP1915	17	15	25.70	24.03

HAMMOND CASTERS

Sold in sets of 4.

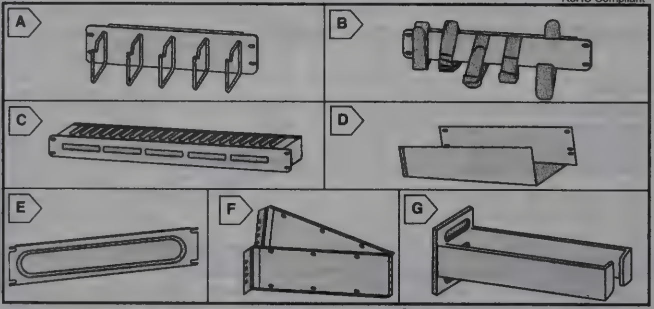
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Type	Weight Cap (Lbs.)	Price Each	
				1	2
546-1425B	1425B	Light Duty	360	48.65	41.17
546-1425BM	1425BM	Med. Duty	700	59.44	50.29
546-1425BH	1425BH	Heavy Duty	1050	110.98	93.91

RoHS Compliant

HAMMOND CABLE ORGANIZING

RoHS Compliant

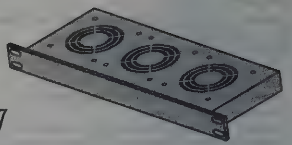


For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Description	Price Each	
				1	2
546-PCMBS19001BK1	PCMBS19001BK1	A	Ring Panel, 1.75" H	34.90	33.56
546-PCMBS19003BK1	PCMBS19003BK1	A	Ring Panel, 3.5" H	38.56	37.08
546-PCMBV19001BK1	PCMBV19001BK1	B	Velcro Strap Panel	20.20	19.43
546-PCMDS19001BK1	PCMDS19001BK1	C	Metal Finger Panel, 1.75" H	67.05	64.47
546-PCMDS19003BK1	PCMDS19003BK1	C	Metal Finger Panel, 3.5" H	77.61	74.63
546-PCMDS19005BK1	PCMDS19005BK1	C	Metal Finger Panel, 5.25" H	130.42	125.40
546-PCMT19003BK1	PCMT19003BK1	D	Cable Trough	30.40	29.23
546-CGUIDE	CGUIDE	E	Hinged Cable Guide	73.64	62.31
546-DNCE19BK1	DNCE19BK1	F	Cable Access Panel, Gray/Beige	33.95	32.65
546-DNCE19CG1	DNCE19CG1	F	Cable Access Panel, Black	33.95	32.65
546-CMRBK1	CMRBK1	G	Single Cable Ring	5.78	5.56

HAMMOND FAN TRAY ASSEMBLIES

Fan trays can be positioned at the bottom of a rack to force air through the cabinet, at the top to exhaust air out or below specific pieces of equipment for spot cooling 115VAC 50/60 Hz., thermally protected, ball bearing fans. Circuit breaker protected.



RoHS Compliant

Tray Assemblies

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Number of Fans	CFM	Amps	Watts	Price Each	
						1	2
546-FT300TA1BK	FT300TA1BK	3	300	0.5	40	156.84	132.02
546-FT600TA1BK	FT600TA1BK	6	600	1	80	259.47	219.55
546-FT900TA1BK	FT900TA1BK	9	900	1.5	120	324.35	274.45

Tray Assemblies With Lighted On/Off Switch

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Number of Fans	CFM	Amps	Watts	Price Each	
						1	2
546-FT300HA1BK	FT300HA1BK	3	300	0.5	40	161.24	136.43
546-FT600HA1BK	FT600HA1BK	6	600	1	80	263.18	222.69
546-FT900HA1BK	FT900HA1BK	9	900	1.5	120	328.04	278.00

HAMMOND BLOWERS

Features:

- Each unit contains a quadruplex centrifugal blower, powered by a single precision ball-bearing motor.
- Heavy steel construction
- 115 VAC, 50/60 Hz. motor is UL listed
- CSA Certified, ball bearing type, cooled by incoming air

RoHS Compliant

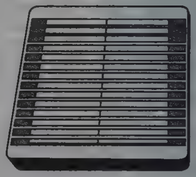
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	CFM	RPM Nom.	Units	Price Each	
					1	2
546-HB2160A	HB2160A	140	2750	2	386.03	326.65
546-HB3250A	HB3250A	250	3150	3	403.33	341.27
546-HB4500A	HB4500A	470	3250	4	412.98	349.44

HAMMOND FILTER FAN GRILLS

Features:

- Create your own filter fans or exhaust grills.
- Complete with flame retardant ABS plastic grill and flame retardant synthetic filter.
- Mounts easily with 4 screws using template and hardware provided.
- Integral gasket on reverse side of grill, seals against mounting surface.



RoHS Compliant

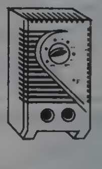
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Color	Grill Size		Use with Square Fan Size	Price Each	
			H	W		1	10
546-XPFA80BK	XPFA80BK	Black	4.13"	4.13"	3.15"	6.47	6.22
546-XPFA80CG	XPFA80CG	Gray/Beige	4.13"	4.13"	3.15"	6.47	6.22
546-XPFA80GY	XPFA80GY	ASA 61 Gray	4.13"	4.13"	3.15"	6.47	6.22
546-XPFA120BK	XPFA120BK	Black	5.91"	5.91"	4.70"	9.86	9.48
546-XPFA120CG	XPFA120CG	Gray/Beige	5.91"	5.91"	4.70"	9.86	9.48
546-XPFA120GY	XPFA120GY	ASA 61 Gray	5.91"	5.91"	4.70"	9.86	9.48
Replacement Filters							
546-PFF1000	PFF1000	-	-	-	3.15"	5.94	5.71
546-PFF2000	PFF2000	-	-	-	4.70"	6.79	6.53

HAMMOND THERMOSTAT

Features:

- Normally open thermostat for control of blowers or fans
- Adjustable range: 30°F~140°F
- Switching difference (hysteresis): +/- 4°F
- Compact size: 2.4" H x 1.3" W x 1.4" D
- Easily installed by clip mounting to DIN rail (included)
- 2 pole terminal for AWG 14 wire
- Switching capacity of 15A (120VAC) or 10A (240VAC)
- Sensor is thermostatic bi-metal, housed in Gray Flame Retardant Plastic (UL940VO)
- UL Recognized, C UL Component Recognized, and CE



RoHS Compliant

For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Contact Type	Dimension: in.			Price Each			
			H	W	D	1	2	5	10
546-SKT011419NO	SKT011419NO	Normally Open	2.40	1.30	1.40	32.53	27.53	25.56	23.85

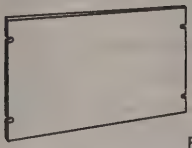
HAMMOND Rack and Cabinet Accessories

HAMMOND MANUFACTURING

HAMMOND 19" ALUMINUM RACK PANELS

Features:

- .125" thick
- 19" rack mount panels
- Finished in Smooth Black or Beige (RAL 702) Powder Paint or Natural Finish (paper covered on one side)



RoHS Compliant

For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Length / (Units)	Price Each			
			1	2	5	10
Smooth Black						
546-PBPA19001BK2	PBPA19001BK2	1.75" (1)	9.26	8.91	8.55	7.41
546-PBPA19003BK2	PBPA19003BK2	3.50" (2)	13.67	13.14	12.62	10.94
546-PBPA19005BK2	PBPA19005BK2	5.25" (3)	19.50	18.75	18.00	15.60
546-PBPA19007BK2	PBPA19007BK2	7.00" (4)	24.37	23.43	22.50	19.50
546-PBPA19008BK2	PBPA19008BK2	8.75" (5)	28.84	27.73	26.62	23.07
546-PBPA19010BK2	PBPA19010BK2	10.50" (6)	32.50	31.25	30.00	26.00
546-PBPA19012BK2	PBPA19012BK2	12.25" (7)	38.97	37.47	35.97	31.17
546-PBPA19014BK2	PBPA19014BK2	14.00" (8)	43.85	42.17	40.48	35.08
546-PBPA19015BK2	PBPA19015BK2	15.75" (9)	47.12	45.30	43.49	37.69
546-PBPA19017BK2	PBPA19017BK2	17.50" (10)	53.65	51.59	49.53	42.92
546-PBPA19019BK2	PBPA19019BK2	19.25" (11)	62.15	59.76	57.37	49.72
546-PBPA19021BK2	PBPA19021BK2	21.00" (12)	66.60	64.04	61.47	53.28
546-PBPA19022BK2	PBPA19022BK2	22.75" (13)	70.66	67.95	65.23	56.53
546-PBPA19024BK2	PBPA19024BK2	24.50" (14)	77.18	74.21	71.25	61.75
546-PBPA19026BK2	PBPA19026BK2	26.25" (15)	82.87	79.68	76.50	66.30
546-PBPA19028BK2	PBPA19028BK2	28.00" (16)	88.55	85.15	81.74	70.84
546-PBPA19029BK2	PBPA19029BK2	29.75" (17)	92.62	89.06	85.49	74.10
546-PBPA19031BK2	PBPA19031BK2	31.50" (18)	95.07	91.41	87.76	76.06
Smooth Beige						
546-PBPA19001CG2	PBPA19001CG2	1.75" (1)	9.26	8.91	8.55	7.41
546-PBPA19003CG2	PBPA19003CG2	3.50" (2)	13.67	13.14	12.62	10.94
546-PBPA19005CG2	PBPA19005CG2	5.25" (3)	19.50	18.75	18.00	15.60
546-PBPA19007CG2	PBPA19007CG2	7.00" (4)	24.37	23.43	22.50	19.50
546-PBPA19008CG2	PBPA19008CG2	8.75" (5)	28.84	27.73	26.62	23.07
546-PBPA19010CG2	PBPA19010CG2	10.50" (6)	32.50	31.25	30.00	26.00
546-PBPA19012CG2	PBPA19012CG2	12.25" (7)	38.97	37.47	35.97	31.17
546-PBPA19014CG2	PBPA19014CG2	14.00" (8)	43.85	42.17	40.48	35.08
546-PBPA19015CG2	PBPA19015CG2	15.75" (9)	47.12	45.30	43.49	37.69
546-PBPA19017CG2	PBPA19017CG2	17.50" (10)	53.65	51.59	49.53	42.92
546-PBPA19019CG2	PBPA19019CG2	19.25" (11)	62.15	59.76	57.37	49.72
546-PBPA19021CG2	PBPA19021CG2	21.00" (12)	66.60	64.04	61.47	53.28
546-PBPA19022CG2	PBPA19022CG2	22.75" (13)	70.66	67.95	65.23	56.53
546-PBPA19024CG2	PBPA19024CG2	24.50" (14)	77.18	74.21	71.25	61.75
546-PBPA19026CG2	PBPA19026CG2	26.25" (15)	82.87	79.68	76.50	66.30
546-PBPA19028CG2	PBPA19028CG2	28.00" (16)	88.55	85.15	81.74	70.84
546-PBPA19029CG2	PBPA19029CG2	29.75" (17)	92.62	89.06	85.49	74.10
546-PBPA19031CG2	PBPA19031CG2	31.50" (18)	95.07	91.41	87.76	76.06
Unfinished						
546-PBPA19001UNF	PBPA19001UNF	1.75" (1)	9.26	8.91	8.55	7.41
546-PBPA19003UNF	PBPA19003UNF	3.50" (2)	13.67	13.14	12.62	10.94
546-PBPA19005UNF	PBPA19005UNF	5.25" (3)	19.50	18.75	18.00	15.60
546-PBPA19007UNF	PBPA19007UNF	7.00" (4)	24.37	23.43	22.50	19.50
546-PBPA19008UNF	PBPA19008UNF	8.75" (5)	28.84	27.73	26.62	23.07
546-PBPA19010UNF	PBPA19010UNF	10.50" (6)	32.50	31.25	30.00	26.00
546-PBPA19012UNF	PBPA19012UNF	12.25" (7)	38.97	37.47	35.97	31.17
546-PBPA19014UNF	PBPA19014UNF	14.00" (8)	43.85	42.17	40.48	35.08
546-PBPA19015UNF	PBPA19015UNF	15.75" (9)	47.12	45.30	43.49	37.69
546-PBPA19017UNF	PBPA19017UNF	17.50" (10)	53.65	51.59	49.53	42.92
546-PBPA19019UNF	PBPA19019UNF	19.25" (11)	62.15	59.76	57.37	49.72
546-PBPA19021UNF	PBPA19021UNF	21.00" (12)	66.60	64.04	61.47	53.28
546-PBPA19022UNF	PBPA19022UNF	22.75" (13)	70.66	67.95	65.23	56.53
546-PBPA19024UNF	PBPA19024UNF	24.50" (14)	77.18	74.21	71.25	61.75
546-PBPA19026UNF	PBPA19026UNF	26.25" (15)	82.87	79.68	76.50	66.30
546-PBPA19028UNF	PBPA19028UNF	28.00" (16)	88.55	85.15	81.74	70.84
546-PBPA19029UNF	PBPA19029UNF	29.75" (17)	92.62	89.06	85.49	74.10
546-PBPA19031UNF	PBPA19031UNF	31.50" (18)	95.07	91.41	87.76	76.06

HAMMOND 19" RACK MOUNT HARDWARE

RoHS Compliant

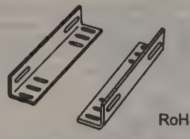
For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Description	Qty. per Pack	Price Per Pack			
				1	2	5	10
546-1421A	1421A	10-32 X 0.75" Phillips oval head screw/plastic washer	4	2.96	2.86	2.74	2.38
546-1421A100B	1421A100B	Nickel plated 10-32 x 0.625" countersunk Phillips head	100	17.20	16.54	15.88	13.77
546-1421A100W	1421A100W	Black plastic cup washer for countersunk 10-32 screws	100	31.29	30.08	28.88	25.02
546-1421E100W	1421E100W	Nickel plated cup washer for countersunk 10-32 screws	100	12.69	12.21	11.72	10.16
546-1421N25	1421N25	10-32 clip nuts for all panel rails	25	13.62	13.10	12.57	10.89

HAMMOND RAIL MOUNT SUPPORT ANGLES

Features:

- 14 gauge steel
- Slot allow up/down or front/back adjustments
- 1.75" x 1.75" to support heavy equipment
- Finished in Textured Black Powder Paint
- Reduces load on front panel



RoHS Compliant

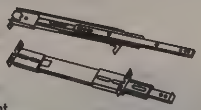
For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Length (In.)	Price Each			
			1	2	5	10
546-RASA12BK3	RASA12BK3	9.97	23.22	22.33	21.43	18.58
546-RASA16BK3	RASA16BK3	14.95	25.31	24.34	23.37	20.25
546-RASA22BK3	RASA22BK3	20.95	28.57	27.47	26.37	22.86
546-RASA28BK3	RASA28BK3	28.00	31.23	30.03	28.82	24.98

HAMMOND EQUIPMENT SLIDES

Features:

- 19" rack panel mount (to front and back panel rails)
- Heavy duty, ball bearing mechanism
- Uses only 1U (1.75") of panel height
- Sold in pack of 2

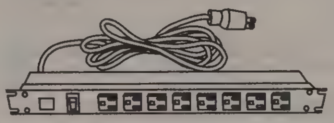


RoHS Compliant

For quantities greater than 10, call for quote.

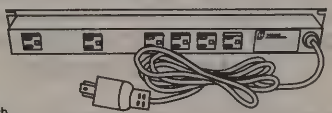
MOUSER STOCK NO.	Hammond Part No.	Slide Length (In.)	Capacity (per pair)	Price Per Pack			
				1	2	5	10
546-RSLIDE12	RSLIDE12	12.00	120 (lbs)	58.14	55.90	53.66	46.51
546-RSLIDE16	RSLIDE16	16.00	130 (lbs)	60.60	58.27	55.94	48.48
546-RSLIDE22	RSLIDE22	22.00	120 (lbs)	64.27	61.80	59.33	51.42

HAMMOND RACK MOUNT POWER PANELS



Outlets on Front

Outlets on Back



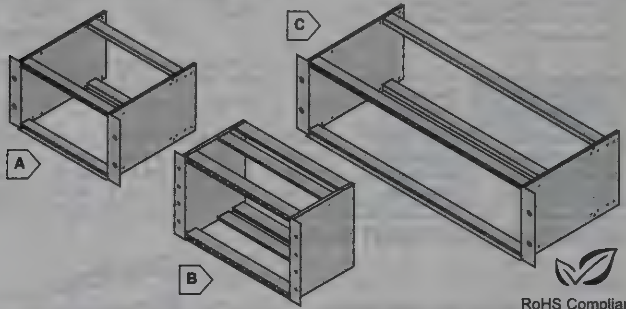
Available in ASA 61 Gray or Black Powder Coat Finish.
Heavy 14 gauge wire cord - 14/3 SJTW for extreme temperature ranges.
Integral molded plug (NEMA 5-15P) with straight blade.
6 outlet models include 2 outlets with extra spacing for clearance of most plug in transformers.
Includes 15 Amp. 125 VAC circuit breaker to prevent accidental overload.
Dimensions are 19" x 3" x 1.75".
UL recognized - under the component program of UL.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	No. of Outlets	On-Off Switch	Pilot Light	Cord Length	Color	Price Each	
							1	2
Outlets on Front								
546-1582H6A1	1582H6A1	6	Yes	-	6'	Gray	50.36	42.61
546-1582H6A1BK	1582H6A1BK	6	Yes	-	6'	Black	50.35	42.61
546-1582H6B1	1582H6B1	6	Yes	-	15'	Gray	53.51	45.28
546-1582H6B1BK	1582H6B1BK	6	Yes	-	15'	Black	53.49	45.26
546-1582H8A1	1582H8A1	8	Yes	-	6'	Gray	54.55	46.15
546-1582H8A1BK	1582H8A1BK	8	Yes	-	6'	Black	54.55	46.15
546-1582H8B1	1582H8B1	8	Yes	-	15'	Gray	57.70	48.83
546-1582H8B1BK	1582H8B1BK	8	Yes	-	15'	Black	57.70	48.83
546-1582T6A1	1582T6A1	6	-	Yes	6'	Gray	50.36	42.61
546-1582T6A1BK	1582T6A1BK	6	-	Yes	6'	Black	50.36	42.61
546-1582T6B1	1582T6B1	6	-	Yes	15'	Gray	53.51	45.28
546-1582T6B1BK	1582T6B1BK	6	-	Yes	15'	Black	53.49	45.26
546-1582T8A1	1582T8A1	8	-	Yes	6'	Gray	54.55	46.15
546-1582T8A1BK	1582T8A1BK	8	-	Yes	6'	Black	54.55	46.15
546-1582T8B1	1582T8B1	8	-	Yes	15'	Gray	57.70	48.83
546-1582T8B1BK	1582T8B1BK	8	-	Yes	15'	Black	57.70	48.83
Outlets on Back								
546-1583H6A1	1583H6A1	6	Yes	-	6'	Gray	50.36	42.61
546-1583H6A1BK	1583H6A1BK	6	Yes	-	6'	Black	50.35	42.61
546-1583H6B1	1583H6B1	6	Yes	-	15'	Gray	53.51	45.28
546-1583H6B1BK	1583H6B1BK	6	Yes	-	15'	Black	53.49	45.26
546-1583H8A1	1583H8A1	8	Yes	-	6'	Gray	54.55	46.15
546-1583H8A1BK	1583H8A1BK	8	Yes	-	6'	Black	54.55	46.15
546-1583H8B1	1583H8B1	8	Yes	-	15'	Gray	57.70	48.83
546-1583H8B1BK	1583H8B1BK	8	Yes	-	15'	Black	57.70	48.83
546-1583T6A1	1583T6A1	6	-	Yes	6'	Gray	50.36	42.61
546-1583T6A1BK	1583T6A1BK	6	-	Yes	6'	Black	50.36	42.61
546-1583T6B1	1583T6B1	6	-	Yes	15'	Gray	53.51	45.28
546-1583T6B1BK	1583T6B1BK	6	-	Yes	15'	Black	53.49	45.26
546-1583T8A1	1583T8A1	8	-	Yes	6'	Gray	54.55	46.15
546-1583T8A1BK	1583T8A1BK	8	-	Yes	6'	Black	54.55	46.15
546-1583T8B1	1583T8B1	8	-	Yes	15'	Gray	57.70	48.83
546-1583T8B1BK	1583T8B1BK	8	-	Yes	15'	Black	57.70	48.83

COMPACT CPCI® SUBRACKS

Subracks for 3U or 6U Compact PCI applications are available off-the-shelf in assembled or kit form. Four standard depths are offered. The 10" depth allows for backplane mounting. The 12" wide depth accommodates 80mm rear I/O card guides and the 15" depth accepts greater than 160mm rear I/O and can accommodate 220mm cards if specified. cPCI® subracks built to IEEE 1101.10 and 1101.11 standards come with one pair of guides for sampling. Additional guides and accessories including perforated top and bottom covers can be ordered. Custom orders are welcomed.



RoHS Compliant

MOUSER STOCK NO.	Vector Part No.	Fig.	Description			Price Each	
			Width	Depth	Height	1	5
574-CCA26-36-00	CCA26-36-00	A	7.4"	8.5"	3U	152.76	137.58
574-CCA28-84-00	CCA28-84-00	B	19.0"	10.0"	6U	219.17	215.00
574-CCA26-84	CCA26-84-00-00	C	19.0"	8.5"	3U	154.95	151.88
574-CCA27-84	CCA27-84-00-00	C	19.0"	12.0"	3U	174.90	166.00
574-CCA31-84	CCA31-84-00-00	C	19.0"	12.0"	3U	177.08	166.38
574-CCA32-84	CCA32-84-00-00	C	19.0"	15.0"	6U	233.26	228.26

COMPACT CPCI® SUBRACKS

- For use with Subracks
- In packages of 12

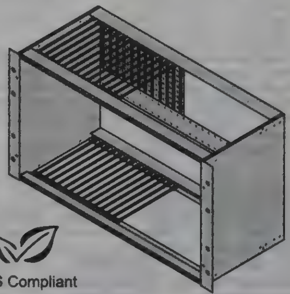
RoHS Compliant

MOUSER STOCK NO.	Vector Part No.	Description	Price Per Pack	
			1	5
574-CG3-160/12	CG3-160/12	Card Guide 160mm	29.35	23.66
574-CG3-160E/12	CG3-160E/12	Card Guide 160mm with ESD clip	42.04	36.03
574-CG3-220/12	CG3-220/12	Card Guide 220mm	32.76	28.08
574-CG3-220E/12	CG3-220E/12	Card Guide 220mm with ESD clip	49.89	42.76

DIN BASED VECTOR-PAK® SUBRACK KITS AND CARD GUIDES

Vector Subrack packaging for 19" systems offers a versatile and comprehensive solution to your packaging needs. Based on DIN 41914, all parts conform to a system which allows your unique design to be constructed from a combination of standards. You may mix module sizes and add accessories without the need for special designs.

Other subracks and accessories are available.



- Assembled CCK160-6U with optional card guides

RoHS Compliant

MOUSER STOCK NO.	Vector Part No.	Dimensions W x H x D (in.)	Card Size H x W	Price Each	
				1	5
574-CCK160-3U	CCK160-3U	19 x 5.25 x 9.27	3U x 160mm	189.33	169.66
574-CCK160-6U	CCK160-6U	19 x 10.50 x 9.67	6U x 160mm	205.01	173.44
574-CCK220-3U	CCK220-3U	19 x 5.25 x 11.65	3U x 220mm	192.66	169.02
574-CCK220-6U	CCK220-6U	19 x 10.50 x 12	6U x 220mm	209.95	188.26

CARD GUIDES FOR DIN-BASED SUBRACKS

- Snap-in Type: glass filled noryl
- In packages of 12

RoHS Compliant

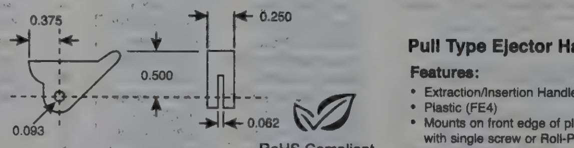
MOUSER STOCK NO.	Vector Part No.	Length (mm)	Card Thickness	Application	Price Per Pack	
					1	5
574-CG1-160-12	CG1-160/12	160	0.062	CCK160	21.60	19.00
574-CG1-220-12	CG1-220/12	220	0.062	CCK220	25.81	23.14

ACCESSORIES

Rotation Type Ejector Handle

Features:

- Card Ejector, Corner Mounting
- White Nylon (Hardware included)
- Supports up to 40lbs. Extraction Force



DIMENSIONS: in.

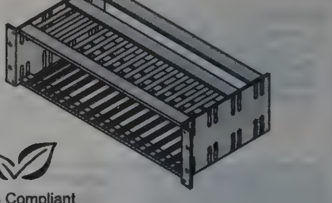
RoHS Compliant

MOUSER STOCK NO.	Vector Part No.	Packaging	Price Per Pack	
			1	5
574-HA9-4	HA9/4	Package of 4	10.61	9.52
574-HA9/C	HA9/C	Package of 100	121.15	106.81

EIA BASED VECTOR-PAK® SUBRACKS AND CARD GUIDES

Features:

- Guide Positions at 0.25" increments
- Adjustable Slots
- Sidewall Slots Adjustable to 1"
- For 4.5" x 6.5" cards
- Rear Struts for Mounting Connectors
- Available in Kits or Assembled
- Card Size H x W (In): 4.5 x 5.5-7.0
- Construction: 0.080" Thick Aluminum, Clear Chromate Finish



RoHS Compliant

CCK = Kit CCA = Assembled

MOUSER STOCK NO.	Vector Part No.	Dimensions W x H x D (in.)	Snap-In Guide Sets	Price Each	
				1	5
574-CCA13S/90	CCA13S/90	19.00 x 5.25 x 9.00	21	181.65	162.33
574-CCK13S/90	CCK13S/90	19.00 x 5.25 x 9.00	21	178.90	163.50
574-CCM13S/90	CCM13S/90	19.00 x 5.25 x 9.00	16	227.78	191.91
574-CCK13S-H/90	CCK13S-H/90	10.25 x 5.25 x 9.00	11	197.03	180.14
574-CCK13S-HT/90	CCK13S-HT/90	8.12 x 5.25 x 8.12	10	131.93	116.65

CARD GUIDES FOR EIA-BASED SUBRACKS

- In packages of 12

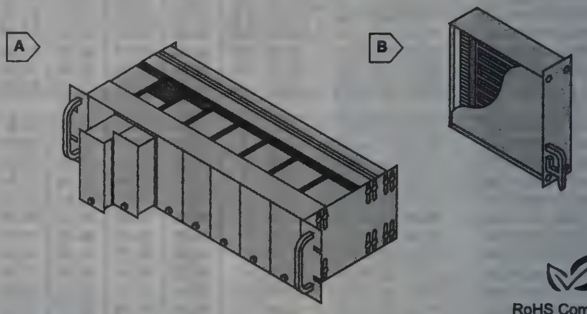
PS = Plastic, Screw **NSI = Nylon, Snap-In**

RoHS Compliant

MOUSER STOCK NO.	Vector Part No.	Type	Length (in.)	Center (in.)	Application	Price Each
574-CG2-65M	CG2-65M	Metal, Screw-In	5.42	1.50	Subrack series	47.94
574-CG2-65P	CG2-65P	Plastic, Screw-in	5.42	4.50	12, 13, 14, 17,	24.64
574-CG2-65S	CG2-65S	Nylon, Snap-in	5.42	4.50	18 & 100 & Vector P series sidewalls	14.04
574-CG2-80P	CG2-80P	Plastic, Screw-in	6.64	6.00	Subrack series	25.06
574-CG2-80S	CG2-80S	Nylon, Snap-in	6.93	7.50	12, 13, 14, 17,	20.64
574-CG2-95M	CG2-95M	Metal, Screw-In	8.14	7.50	18 & 100 and Vector P	26.55
574-CG2-95P	CG2-95P	Plastic, Screw-in	8.14	7.50	series sidewall ending	25.46
574-CG2-95S	CG2-95S	Nylon, Snap-in	8.14	7.50	in 119 or 156	17.89

CMA13-20/90 MODULE SUBRACK

- EFP Modules not included
- Zinc Riveted Card Guides
- Holds 8 modules



RoHS Compliant

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions W x H x D (in.)	Module Size H x W (in.)	Price Each	
					1	5
574-CMA13-20	CMA13-20/90	A	19 x 5.25 x 9.00	4.5 x 7.0	213.89	180.19

EFP MODULES

Extended front panels provide thumb screw mounting and flush kit from module to module with strut line.

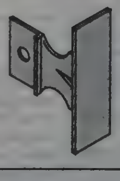
RoHS Compliant

MOUSER STOCK NO.	Vector Part No.	Fig.	Use with Subrack	Price Each	
				1	5
574-EFP164A66	EFP164A66	B	CMA13	40.53	34.20
574-EFP204A66	EFP204A66	B	CMA13	34.72	30.65

Pull Type Ejector Handle

Features:

- Extraction/Insertion Handles
- Plastic (FE4)
- Mounts on front edge of plugboard with single screw or Roll-Pin



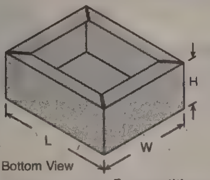
RoHS Compliant

MOUSER STOCK NO.	Vector Part No.	Packaging	Price Per Pack	
			1	5
574-HA14-4	HA14	Package of 4	11.15	10.02
574-HA9-M	HA9/M	Package of 1000	712.39	628.95

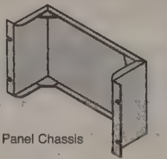
BUD Chassis and Small Metal Enclosures

ALUMINUM CHASSIS AND ACCESSORIES

A wide selection of aluminum chassis. Each is welded at stress points for assured, maximum strength and rigidity. Sides folded in at bottom for additional support. Bottom plate (sold separately) easily attached. Natural Finish.



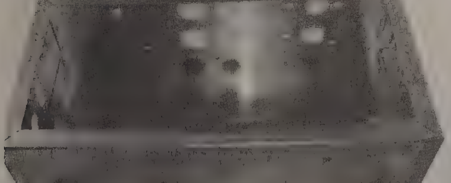
Chassis, Bottom View



Panel Chassis

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		W	L	H	1	10	50	100
Aluminum Chassis								
563-AC-1404	AC-1404	4.00	5.00	2.00	**11.00**	**9.20**	**8.30**	**7.35**
563-AC-1405	AC-1405	4.00	6.00	1.50	**9.85**	**8.20**	**7.40**	**6.55**
563-AC-430	AC-430	4.00	6.00	3.00	**12.40**	**10.30**	**9.25**	**8.25**
563-AC-431	AC-431	4.00	6.00	2.00	**10.10**	**8.45**	**7.60**	**6.75**
563-AC-402	AC-402	5.00	7.00	2.00	**10.90**	**9.05**	**8.15**	**7.25**
563-AC-429	AC-429	5.00	7.00	3.00	**14.00**	**11.65**	**10.50**	**9.30**
563-AC-403	AC-403	5.00	9.50	2.00	**13.20**	**10.95**	**9.85**	**8.75**
563-AC-421	AC-421	5.00	9.50	3.00	**16.70**	**13.90**	**12.50**	**11.10**
563-AC-404	AC-404	5.00	10.00	3.00	**16.80**	**14.00**	**12.60**	**11.20**
563-AC-1413	AC-1413	6.00	8.00	2.00	**12.50**	**10.40**	**9.35**	**8.30**
563-AC-405	AC-405	7.00	7.00	2.00	**11.40**	**9.40**	**8.45**	**7.50**
563-AC-406	AC-406	7.00	9.00	2.00	**13.80**	**11.50**	**10.35**	**9.20**
563-AC-407	AC-407	7.00	11.00	2.00	**16.00**	**13.30**	**11.95**	**10.65**
563-AC-408	AC-408	7.00	12.00	3.00	**21.20**	**17.70**	**15.95**	**14.15**
563-AC-409	AC-409	7.00	13.00	2.00	**17.40**	**14.55**	**13.10**	**11.65**
563-AC-411	AC-411	7.00	15.00	3.00	**27.60**	**23.05**	**20.75**	**18.45**
563-AC-1418	AC-1418	8.00	10.00	2.50	**20.20**	**16.85**	**15.15**	**13.50**
563-AC-1419	AC-1419	8.00	12.00	2.50	**25.00**	**20.85**	**18.75**	**16.70**
563-AC-424	AC-424	8.00	12.00	3.00	**25.40**	**21.20**	**19.10**	**16.95**
563-AC-412	AC-412	8.00	17.00	3.00	**28.70**	**24.05**	**21.65**	**19.25**
563-AC-413	AC-413	10.00	12.00	3.00	**32.20**	**26.95**	**24.25**	**21.55**
563-AC-414	AC-414	10.00	14.00	3.00	**32.80**	**27.45**	**24.70**	**21.95**
563-AC-415	AC-415	10.00	17.00	2.00	**29.20**	**24.40**	**21.95**	**19.50**
563-AC-416	AC-416	10.00	17.00	3.00	**34.20**	**28.55**	**25.70**	**22.85**
563-AC-427	AC-427	10.00	17.00	4.00	**49.20**	**41.15**	**37.05**	**32.90**
563-AC-1422	AC-1422	10.00	17.00	5.00	**57.40**	**47.90**	**43.10**	**38.30**
563-AC-418	AC-418	12.00	17.00	3.00	**36.10**	**30.10**	**27.10**	**24.10**
563-AC-419	AC-419	13.00	17.00	2.00	**37.00**	**30.85**	**27.75**	**24.70**
563-AC-420	AC-420	13.00	17.00	3.00	**42.60**	**35.60**	**32.05**	**28.50**
563-AC-428	AC-428	13.00	17.00	4.00	**60.37**	**50.36**	**45.30**	**40.30**
563-AC-1426	AC-1426	13.00	17.00	5.00	**66.25**	**55.30**	**49.75**	**44.25**
563-AC-1427	AC-1427	14.00	17.00	3.00	**48.20**	**40.20**	**36.20**	**32.15**
563-AC-1428	AC-1428	15.00	17.00	4.00	**65.40**	**54.60**	**49.15**	**43.70**
563-AC-1429	AC-1429	15.00	17.00	6.00	**92.60**	**77.30**	**69.55**	**61.85**
563-AC-1430	AC-1430	17.00	17.00	3.00	**56.10**	**46.85**	**42.15**	**37.50**
563-AC-1431	AC-1431	17.00	17.00	4.00	**65.70**	**54.85**	**49.35**	**43.90**
Chassis Bottom Plate								
563-BPA-1504	BPA-1504	4.00	5.00	- - -	**4.30**	**3.60**	**3.25**	**2.90**
563-BPA-1505	BPA-1505	4.00	6.00	- - -	**5.00**	**4.15**	**3.75**	**3.30**
563-BPA-1589	BPA-1589	5.00	7.00	- - -	**4.90**	**4.10**	**3.70**	**3.30**
563-BPA-1591	BPA-1591	5.00	10.00	- - -	**4.90**	**4.10**	**3.70**	**3.30**
563-BPA-1513	BPA-1513	6.00	8.00	- - -	**7.10**	**5.85**	**5.25**	**4.70**
563-BPA-1592	BPA-1592	7.00	7.00	- - -	**4.90**	**4.10**	**3.70**	**3.30**
563-BPA-1593	BPA-1593	7.00	9.00	- - -	**6.10**	**5.10**	**4.60**	**4.10**
563-BPA-1594	BPA-1594	7.00	11.00	- - -	**6.30**	**5.25**	**4.75**	**4.20**
563-BPA-1595	BPA-1595	7.00	12.00	- - -	**6.90**	**5.75**	**5.20**	**4.60**
563-BPA-1596	BPA-1596	7.00	13.00	- - -	**8.35**	**6.95**	**6.25**	**5.55**
563-BPA-1516	BPA-1516	7.00	15.00	- - -	**9.00**	**7.55**	**6.80**	**6.05**
563-BPA-1518	BPA-1518	8.00	10.00	- - -	**8.80**	**7.35**	**6.60**	**5.90**
563-BPA-1519	BPA-1519	8.00	12.00	- - -	**10.70**	**8.95**	**8.05**	**7.15**
563-BPA-1520	BPA-1520	8.00	17.00	- - -	**11.00**	**9.20**	**8.30**	**7.35**
563-BPA-1523	BPA-1523	10.00	12.00	- - -	**10.70**	**8.95**	**8.05**	**7.15**
563-BPA-1524	BPA-1524	10.00	14.00	- - -	**10.70**	**8.95**	**8.05**	**7.15**
563-BPA-1597	BPA-1597	10.00	17.00	- - -	**11.30**	**9.45**	**8.50**	**7.55**
563-BPA-1528	BPA-1528	12.00	17.00	- - -	**15.30**	**12.80**	**11.50**	**10.25**
563-BPA-1598	BPA-1598	13.00	17.00	- - -	**15.80**	**13.15**	**11.85**	**10.50**
563-BPA-1529	BPA-1529	14.00	17.00	- - -	**16.20**	**13.55**	**12.20**	**10.85**
563-BPA-1530	BPA-1530	15.00	17.00	- - -	**20.30**	**16.90**	**15.20**	**13.50**
563-BPA-1531	BPA-1531	17.00	17.00	- - -	**24.70**	**20.60**	**18.55**	**16.50**
Aluminum Panel Chassis								
563-CB-1370	CB-1370	- - -	- - -	1.75	**17.78**	**16.59**	**16.00**	**15.41**
563-CB-1371	CB-1371	- - -	- - -	3.50	**18.83**	**17.57**	**16.94**	**16.32**
563-CB-1372	CB-1372	- - -	- - -	5.25	**23.40**	**21.84**	**21.06**	**20.28**
563-CB-1373	CB-1373	- - -	- - -	7.00	**26.85**	**25.06**	**24.17**	**23.27**
563-CB-1374	CB-1374	- - -	- - -	8.75	**28.43**	**26.53**	**25.58**	**24.64**
563-CB-1375	CB-1375	- - -	- - -	10.50	**30.98**	**28.91**	**27.88**	**26.85**
563-CB-1376	CB-1376	- - -	- - -	12.25	**34.65**	**32.34**	**31.19**	**30.03**
563-CB-1377	CB-1377	- - -	- - -	14.00	**38.33**	**35.77**	**34.49**	**33.22**



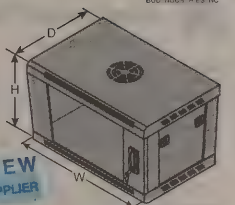
Contact a Mouser Service Representative for a custom design solution

customize*it.*

VISIONCAB

Highly styled and versatile steel cabinet suitable for housing a variety of 19" panel width and EIA-310 compatible equipment. Four adjustable L-shaped mounting rails with square holes on EIA spacing; rails will accept either #12-24 (Bud #307) or M6 (#851-DLH) cage nuts. Four adjustable L-shaped support angles for mounting chassis or supporting heavy equipment. Supplied with See-Thru removable front door with clear acrylic window. Solid steel removable rear and side panels. Equipped with 110V AC, 105 CFM exhaust fan for cooling. Four mar resistant feet on bottom surface. Usable inside cabinet depth: 21.77". Maximum mounting rail spacing (front to back): 18.70". Finish: Smooth Black Power Coating.

NEW FROM SUPPLIER



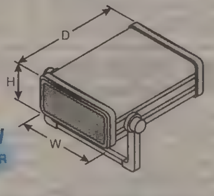
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	2	5	10
563-VC9930	VC9930	23.62	23.62	15.29	**271.40**	**230.69**	**207.62**	**186.86**
563-VC9931	VC9931	23.62	23.62	20.54	**312.47**	**265.60**	**239.04**	**215.14**
563-VC9932	VC9932	23.62	23.62	25.79	**374.16**	**318.04**	**286.24**	**257.62**
563-VC9933	VC9933	23.62	23.62	31.04	**452.23**	**384.40**	**345.96**	**311.36**
563-VC9934	VC9934	23.62	23.62	36.29	**505.70**	**429.84**	**386.86**	**348.17**

ALUMINUM INSTRUMENT CASES

Strong and stylish extruded aluminum body with plastic front and rear bezels. Removable front and rear panels with protective plastic film allow for easy machining with protection from scratches. Adjustable locking aluminum / plastic handle allows for multi-postional carrying and bench top use. Extruded internal grooves for horizontal mounting of circuit board, chassis, or panel. Four scuff resistant antiskid feet; front feet feature foldable bails. Finish: Body - Earth tone powder coating; Bezel - Light brown plastic; Panels - Natural aluminum; Handle - Light gray plastic / anodized aluminum finish. Custom modification available on request.

NEW FROM SUPPLIER

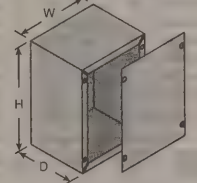


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	2	5	10
563-IA6160	IA6160	12.93	8.27	2.72	**108.20**	**91.97**	**82.77**	**74.49**
563-IA6161	IA6161	12.93	10.16	2.72	**125.90**	**107.02**	**96.32**	**86.69**
563-IA6162	IA6162	12.93	8.27	4.92	**133.50**	**113.48**	**102.13**	**91.92**
563-IA6163	IA6163	12.93	10.16	4.02	**147.85**	**125.67**	**113.10**	**101.79**

UTILITY CABINETS

Available in 20 gauge steel or .040" aluminum. Sturdy, all-welded body. Removable front and back panels.

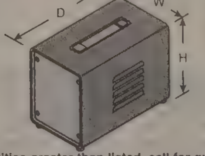


For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	10	50	100
20 Gauge Steel with Metallic Gray Finish								
563-CU-883	CU-883	2.00	4.00	4.00	**17.40**	**14.52**	**13.00**	**11.64**
563-CU-728	CU-728	3.00	5.00	4.00	**18.20**	**15.28**	**14.00**	**12.22**
563-CU-729	CU-729	4.00	6.00	5.00	**22.40**	**18.65**	**17.00**	**14.89**
563-CU1098	CU-1098	6.00	6.00	6.00	**33.00**	**27.48**	**24.72**	**21.96**
563-CU1099	CU-1099	5.00	6.00	9.00	**37.30**	**31.12**	**28.00**	**24.89**
563-CU879	CU-879	7.00	8.00	10.00	**56.40**	**47.10**	**42.00**	**37.68**
563-CU1124	CU-1124	6.00	7.00	12.00	**58.50**	**48.88**	**44.00**	**39.13**
563-CU880	CU-880	8.00	10.00	10.00	**69.70**	**58.26**	**52.45**	**46.58**
563-CU881	CU-881	8.00	11.00	12.00	**78.50**	**65.57**	**59.02**	**52.47**
563-CU882	CU-882	7.00	9.00	15.00	**80.10**	**66.91**	**60.00**	**53.54**
0.04" Aluminum Alloy with Natural Finish								
563-AU1083NF	AU-1083	2.00	4.00	4.00	**11.70**	**9.75**	**9.04**	**8.78**
563-AU1028NF	AU-1028	3.00	5.00	4.00	**13.30**	**11.10**	**10.30**	**10.00**
563-AU1029NF	AU-1029	4.00	6.00	5.00	**16.90**	**14.08**	**13.00**	**12.70**
563-AU1039NF	AU-1039	6.00	6.00	6.00	**25.80**	**21.54**	**20.00**	**19.41**
563-AU1040NF	AU-1040	5.00	6.00	9.00	**28.00**	**23.38**	**22.00**	**21.06**
0.04" Aluminum Alloy with Metallic Gray Finish								
563-AU1083MG	AU-1083-MG	2.00	4.00	4.00	**15.70**	**13.12**	**12.15**	**11.80**
563-AU1028MG	AU-1028-MG	3.00	5.00	4.00	**20.50**	**17.02**	**16.00**	**15.35**
563-AU1029MG	AU-1029-MG	4.00	6.00	5.00	**24.00**	**20.04**	**19.00**	**18.06**
563-AU1039MG	AU-1039-MG	6.00	6.00	6.00	**35.90**	**30.02**	**28.00**	**27.02**
563-AU1040MG	AU-1040-MG	5.00	6.00	9.00	**40.10**	**33.48**	**31.00**	**30.11**

BUD PORTACABS

.050" aluminum. Front panel recessed 1/2" and fits contour of cabinet. Louvered sides. Welded back has opening. Four plastic feet furnished. Designed for bench or portable use. Light weight, yet strong. Reinforced flexible metal handle recessed to permit stacking. Finish: Metallic Gray.



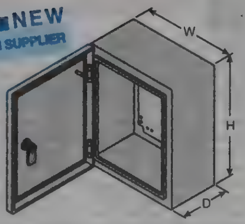
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Rec. Bud Chassis	Panel Space (In.)	Rear Opening	Price Each	
		D	W	H				1	10
563-WA-1540	WA-1540	8.00	6.13	8.00	563-AC-402	5.92 x 7.80	2.00 x 4.50	**89.89**	**89.89**
563-WA-1541	WA-1541	12.00	8.13	9.00	563-AC-407	7.92 x 8.80	2.00 x 6.50	**124.16**	**124.16**
563-WA-1542	WA-1542	8.00	10.13	8.00	563-AC-406	9.92 x 7.80	2.00 x 8.50	**105.68**	**105.68**
563-WA-1543	WA-1543	18.00	11.13	11.00	563-AC-416	10.92 x 10.8	2.00 x 9.50	**169.46**	**169.46**

NEMA SHEET METAL BOXES

16 Gauge Steel

NEW FROM SUPPLIER



Design Features:
Designed to meet NEMA 1, 2, 4, 4X, 12, 13 and IP65 ratings. UL listed and tested to UL508-4X requirements. Continuous seam welded 16 ga. steel construction. Cover closes securely with unique key provided. Wall mounting holes located inside for security. Bonding studs for grounding are provided on base and door. Easily machined and modified to your particular requirements.

- Finish: Smooth Gray Powder Coat

Accessories:
- Includes 14 ga. steel, zinc plated removable inner panel

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	2	5	10
563-SNB3730	SNB3730	5.91	7.87	9.84	49.60	42.16	37.94	34.15
563-SNB3731	SNB3731	5.91	9.84	11.81	55.10	46.84	42.16	37.94
563-SNB3732	SNB3732	7.87	9.84	11.81	58.00	49.30	44.37	39.93
563-SNB3733	SNB3733	5.91	11.81	11.81	60.60	51.51	46.36	41.72
563-SNB3734	SNB3734	7.87	11.81	11.81	65.45	55.63	50.07	45.06
563-SNB3735	SNB3735	5.91	11.81	15.75	68.60	58.31	52.48	47.23
563-SNB3736	SNB3736	7.87	11.81	15.75	72.80	61.88	55.69	50.12
563-SNB3737	SNB3737	7.87	15.75	15.75	86.20	73.27	65.94	59.35

NEMA SHEET METAL BOXES

14 Gauge Steel with Mounting Brackets

Design Features:
Made from durable 14 ga. steel. Designed to meet NEMA 1, 2, 4, 4X, 12, 13 and IP65 and UL508-4X ratings. Hinged cover clamps to base with stainless screws and brackets for a watertight seal. Also comes with a 14 gauge steel, powder coated removable inner panel.

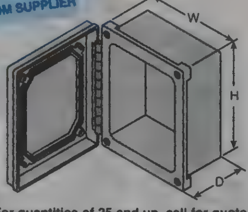
- Finish: Gray Powder Coat

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	5	10	25
563-SN-3700	SN-3700	4.00	6.00	3.00	39.90	33.25	29.95	26.60
563-SN-3701	SN-3701	6.00	8.00	3.50	48.00	40.00	36.00	32.00
563-SN-3702	SN-3702	6.00	6.00	4.00	44.00	36.65	33.00	29.30
563-SN-3703	SN-3703	10.00	12.00	5.00	77.80	64.85	58.35	51.90
563-SN-3704	SN-3704	8.00	10.00	6.00	73.70	61.40	55.25	49.10
563-SN-3705	SN-3705	12.00	12.00	6.00	91.00	75.85	68.25	60.70
563-SN-3706	SN-3706	12.00	14.00	6.00	99.20	82.65	74.40	66.10
563-SN-3707	SN-3707	14.00	16.00	6.00	118.50	98.75	88.90	79.00
563-SN-3708	SN-3708	12.00	14.00	8.00	113.00	94.15	84.75	75.30
563-SN-3709	SN-3709	14.00	16.00	10.00	146.00	121.65	109.50	97.30

FIBERGLASS NEMA BOX

NEW FROM SUPPLIER



Design Features:
Durable and easy to machine fiberglass reinforced plastic (SMC). Provides outstanding protection against corrosion. Chemical resistant and impervious to dents. Designed to meet NEMA 1, 2, 4, 4X, 12, 13, and IP66. Stainless steel hinge, screws, and wall mounting brackets. UL listed and tested to UL508-4X requirements.

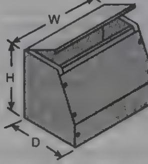
- Finish: Light Gray

Accessories:
- Comes with steel, powder coated removable inner panel

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	2	5	10
563-NF6610	NF6610	4.5	7.74	7.74	39.70	33.75	30.38	27.34
563-NF6611	NF6611	4.5	7.76	9.64	41.60	35.36	31.82	28.64
563-NF6612	NF6612	6.5	9.9	11.78	46.10	39.19	35.27	31.74
563-NF6613	NF6613	6.5	11.9	13.78	55.70	47.35	42.62	38.36
563-NF6614	NF6614	6.5	13.89	15.79	62.40	53.04	47.74	42.97

SLOPING PANEL CABINETS



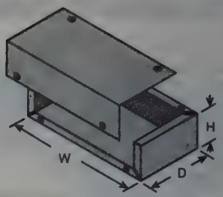
Hinged top opens completely for access to components mounted on chassis.

Finish: Metallic Gray

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Chassis to Fit	Price Each			
		D	W	H		1	2	5	10
563-C-1584	C-1584	7.31	7.06	6.50	AC-402	63.00	47.39	42.11	40.01
563-C-1585	C-1585	7.31	9.06	6.50	AC-405	60.70	45.58	40.52	38.54
563-C-1586	C-1586	7.31	11.06	6.50	AC-1413	71.20	53.49	47.51	45.22
563-C-1587	C-1587	8.00	8.06	8.00	AC-405	68.50	51.57	45.85	43.50
563-C-1588	C-1588	8.00	10.06	8.00	AC-406	76.20	57.23	50.91	48.39
563-C-1892	C-1892	8.50	13.06	8.00	AC-407	84.84	76.37	67.85	64.45
563-C-1893	C-1893	10.50	18.06	10.00	AC-415	125.10	112.62	100.08	95.19
563-C-1894	C-1894	8.00	14.06	8.00	AC-409	77.31	69.56	61.86	60.19
563-C-1896	C-1896	8.18	18.06	9.00	AC-1416	107.67	96.89	86.12	81.85

CONVERTA BOXES



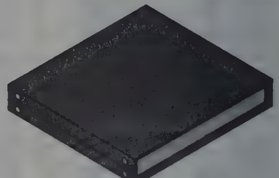
.050" aluminum. Welded base and two-sided cover attached with self-tapping screws. Components or controls can be mounted to any surface.

- Finish: Natural

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	5	10	25
563-CU341A	CU-341-A	3.00	4.00	1.50	12.30	10.25	9.52	9.25
563-CU452A	CU-452-A	4.00	5.00	2.00	14.60	12.19	11.31	10.98
563-CU482A	CU-482-A	4.00	8.00	2.00	17.30	14.42	13.00	12.98
563-CU592A	CU-592-A	5.00	9.50	2.50	19.80	16.54	15.00	14.91
563-CU622A	CU-622-A	6.00	12.00	2.50	26.00	21.75	20.00	19.56
563-CU712A	CU-712-A	7.00	15.00	2.50	35.80	29.92	28.00	26.91

SLIMCAB



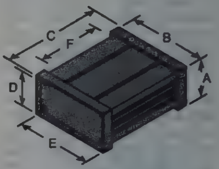
Design Features:
Cover: .050" aluminum, panels: .120" "Surface Shield" aluminum. Sides vented for cooling. Five sizes available, all 1U (1.75") high. Suitable for desktop or 19" rack mount use with optional brackets.

There are two colors available, replace the (__) in the part number with:
S for **Sand Textured** with White Frame or
B for **Smooth Black** with White Frame

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.	Price Each			
			1	2	5	10
563-CS-11221-__	CS-11221-__	8.50 x 8.00	63.40	52.90	47.60	39.70
563-CS-11223-S	CS-11223-S	8.50 x 16.00	83.40	69.60	62.65	52.25
563-CS-11225-__	CS-11225-__	17.00 x 8.00	83.40	69.60	62.65	52.25
563-CS-11227-__	CS-11227-__	17.00 x 16.00	112.50	93.90	84.50	70.45
Bracket						
563-CS-11230-__	CS-11230-__	—	18.40	15.35	13.80	11.50

EXTRUDED ALUMINUM BOXES

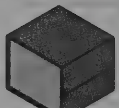


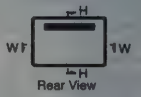
Features:
- One piece extruded aluminum housing
- Individual aluminum end panels
- ABS plastic panel bezels
- Internal PCB card guides
- Silver Housing Finish with Black Plastic Bezels

For quantities of 50 and up, call for quote.

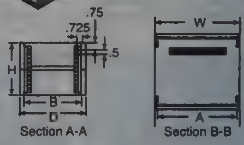
MOUSER STOCK NO.	Bud Part No.	Dimensions: in.						Price Each			
		A	B	C	D	E	F	1	5	10	25
563-EX-4500	EX-4500	1.57	3.14	3.81	1.14	2.47	3.00	13.00	11.80	10.73	9.75
563-EX-4501	EX-4501	1.57	3.14	5.38	1.14	2.47	4.56	16.50	15.00	13.64	12.40
563-EX-4502	EX-4502	1.57	3.14	6.96	1.14	2.47	6.14	20.00	18.15	16.50	15.00
563-EX-4521	EX-4521	3.18	6.14	5.38	2.80	5.35	4.56	25.00	22.69	20.63	18.75
563-EX-4522	EX-4522	3.18	6.14	6.96	2.80	5.35	6.14	30.50	27.65	25.14	22.85
563-EX-4523	EX-4523	3.18	6.14	9.32	2.80	5.35	8.50	38.50	34.97	31.79	28.90
563-EX-4541	EX-4541	3.82	3.82	5.38	3.42	3.13	4.56	20.50	18.63	16.94	15.40
563-EX-4542	EX-4542	3.82	3.82	6.96	3.42	3.13	6.14	25.50	23.18	21.07	19.15
563-EX-4543	EX-4543	3.82	3.82	9.32	3.42	3.13	8.50	31.50	28.62	26.02	23.65

CHAMPION SERIES





- Top, bottom, front, and rear panels, .050" aluminum
- Ventilation slots in bottom and rear panel
- Easily assembled with eight self-threading screws
- No screws on front or rear panels
- Designed to allow for maximum interior space
- Removable top and bottom for easy access to components
- Four self-adhesive rubber feet provided



Dimensions: in.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Out. Dimensions: in.			Inside Dim.: in.		Price Each	
		D	W	H	A	B	1	5
563-CS-11202-BT	CS-11202-BT	6.00	6.00	4.00	5.38	5.13	56.40	42.35
563-CS-11206-BT	CS-11206-BT	8.00	12.00	4.00	11.38	7.13	73.20	54.98
563-CS-11208-BT	CS-11208-BT	8.00	9.00	6.00	8.38	7.13	77.70	58.33
563-CS-11210-BT	CS-11210-BT	8.00	12.00	6.00	11.38	7.13	79.00	59.31
563-CS-11212-BT	CS-11212-BT	10.00	12.00	6.00	11.38	9.13	85.00	63.83
563-CS-11214-BT	CS-11214-BT	8.00	9.00	8.00	8.38	7.13	82.90	62.23
563-CS-11216-BT	CS-11216-BT	10.00	12.00	8.00	11.38	9.13	93.10	69.94

BUD Small Metal Enclosures

MINIBOXES

These items are provided with a removable, white, pressure sensitive, paper that protects the finish and provides a surface for laying out drilling and punching positions.

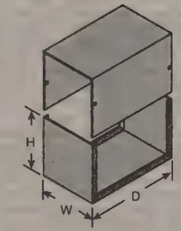
.040" aluminum alloy. Two sections slip together and may be joined by either built-in snap lock or sheet metal screws (included). Flanged sections assure proper shielding. Units can be used as separate housings or as part of larger assemblies.

Natural Finish

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	10	100	250
563-CU-3000A	CU-3000-A	2.75	2.13	1.63	4.60	3.83	3.45	3.07
563-CU-3001A	CU-3001-A	3.25	2.13	1.63	5.26	4.37	3.93	3.49
563-CU-3002A	CU-3002-A	4.00	2.13	1.63	5.75	4.77	4.28	3.84
563-CU-3003A	CU-3003-A	4.00	2.25	2.25	6.10	5.05	4.55	4.05
563-CU-3004A	CU-3004-A	5.00	2.25	2.25	7.30	6.08	5.48	4.87
563-CU-3005A	CU-3005-A	5.00	4.00	3.00	9.20	7.67	6.90	6.13
563-CU-3006A	CU-3006-A	5.25	3.00	2.13	7.40	6.13	5.52	4.91
563-CU-3007A	CU-3007-A	6.00	5.00	4.00	13.20	11.06	9.96	8.86
563-CU-3008A	CU-3008-A	7.00	5.00	3.00	11.90	9.93	8.95	7.97
563-CU-3009A	CU-3009-A	8.00	6.00	3.50	11.63	10.85	10.47	10.08
563-CU-3010A	CU-3010-A	10.00	6.00	3.50	14.70	13.72	13.24	12.74
563-CU-3011A	CU-3011-A	12.00	7.00	4.00	27.30	22.79	20.53	18.22

Smooth Gray Finish For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	10	100	200
563-CU-2100B	CU-2100-B	6.40	5.30	4.74	4.25
563-CU-2101B	CU-2101-B	6.50	5.40	4.85	4.30
563-CU-2102B	CU-2102-B	6.85	5.65	5.10	4.50
563-CU-2103B	CU-2103-B	7.05	5.85	5.25	4.70
563-CU-2104B	CU-2104-B	8.00	6.68	6.03	5.37
563-CU-2105B	CU-2105-B	10.30	8.60	7.73	6.90
563-CU-2106B	CU-2106-B	9.15	7.51	6.74	6.03
563-CU-2107B	CU-2107-B	15.80	13.28	11.96	10.64
563-CU-2108B	CU-2108-B	15.30	12.82	11.56	10.24
563-CU-2109B	CU-2109-B	19.21	17.92	17.28	16.65
563-CU-2110B	CU-2110-B	20.41	19.04	18.36	17.69
563-CU-2111B	CU-2111-B	27.01	25.20	24.30	23.41



ECONOBOX ALUMINUM DIECAST ENCLOSURES

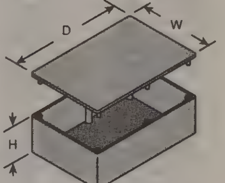
Bud offers fifteen box sizes, each with a close fitting flanged cover fastened to bosses in the body with screws. This, plus the thickness of the #ADC-10 aluminum alloy, offers excellent screening properties. These lightweight easy to machine enclosures have a number of uses: instrument and meter cases, filter networks, junction bosses, switching and many other applications requiring a small box. In addition, they're ideal for concealed or other interior use where a safety closure is necessary. Finish: Natural or Gray.

Natural Finish

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	10	100	250
563-CU-123	CU-123	3.63	1.50	1.06	6.46	5.75	5.20	4.60
563-CU-124	CU-124	4.37	2.37	1.06	7.60	6.39	5.75	5.12
563-CU-234	CU-234	4.68	3.68	2.06	11.60	9.65	8.70	7.70
563-CU-247	CU-247	7.39	4.70	2.06	19.60	16.35	14.70	13.10
563-CU-347	CU-347	7.39	4.70	3.06	23.00	19.20	17.30	15.35
563-CU-470	CU-470	2.00	2.00	1.09	5.30	4.40	3.95	3.50
563-CU-471	CU-471	4.33	3.25	1.59	8.40	6.95	6.25	5.55
563-CU-472	CU-472	4.75	3.15	2.17	10.70	8.90	8.00	7.10
563-CU-473	CU-473	4.68	3.68	1.18	9.40	7.80	7.00	6.25
563-CU-474	CU-474	4.75	4.75	2.17	14.30	11.85	10.65	9.50
563-CU-475	CU-475	4.75	4.75	3.59	17.90	14.85	13.35	11.90
563-CU-476	CU-476	6.00	3.25	1.84	14.00	11.60	10.45	9.30
563-CU-477	CU-477	7.39	4.70	1.34	16.30	13.55	12.20	10.85
563-CU-478	CU-478	7.50	7.50	2.46	25.10	20.85	18.75	16.70
563-CU-479	CU-479	4.37	2.37	1.98	9.50	7.90	7.10	6.30

Gray For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	10	100	200
563-CU-123G	CU-123-G	7.80	6.45	5.80	5.15
563-CU-124G	CU-124-G	9.50	7.90	7.10	6.30
563-CU-234G	CU-234-G	13.50	11.20	10.10	8.95
563-CU-247G	CU-247-G	24.40	20.25	18.25	16.20
563-CU-347G	CU-347-G	29.50	24.50	22.05	19.60
563-CU-470G	CU-470-G	8.50	7.05	6.35	5.65
563-CU-471G	CU-471-G	10.90	9.05	8.15	7.25
563-CU-472G	CU-472-G	13.50	11.20	10.10	8.95
563-CU-473G	CU-473-G	12.00	9.95	8.95	7.95
563-CU-474G	CU-474-G	20.40	16.95	15.25	13.55
563-CU-475G	CU-475-G	25.50	21.15	19.05	16.90
563-CU-476G	CU-476-G	18.20	15.10	13.60	12.10
563-CU-477G	CU-477-G	21.70	18.00	16.20	14.40
563-CU-478G	CU-478-G	33.20	27.55	24.80	22.05
563-CU-479G	CU-479-G	12.80	10.60	9.55	8.50



With Mounting Bracket

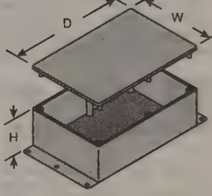
Mounts to wall or panel with #10 size screws (not furnished). Heavy duty .09" thick external wall mounting bracket. Finish: Natural or Black

Natural Finish

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	10	100	250
563-CU-4123	CU-4123	3.63	1.50	1.06	11.40	9.50	8.55	7.60
563-CU-4124	CU-4124	4.37	2.37	1.06	14.50	12.10	10.90	9.70
563-CU-4234	CU-4234	4.68	3.68	2.06	19.10	15.90	14.30	12.70
563-CU-4247	CU-4247	7.39	4.70	2.06	25.50	21.25	19.15	17.00
563-CU-4347	CU-4347	7.39	4.70	3.06	29.80	24.85	22.35	19.90
563-CU-4470	CU-4470	2.00	2.00	1.09	10.90	9.10	8.20	7.30
563-CU-4471	CU-4471	4.33	3.25	1.59	16.20	13.50	12.15	10.80
563-CU-4472	CU-4472	4.75	3.15	2.17	18.80	15.65	14.10	12.50
563-CU-4473	CU-4473	4.68	3.68	1.18	17.70	14.75	13.30	11.80
563-CU-4474	CU-4474	4.75	4.75	2.17	23.20	19.35	17.40	15.50
563-CU-4475	CU-4475	4.75	4.75	3.59	26.80	22.35	20.10	17.90
563-CU-4476	CU-4476	6.00	3.25	1.84	22.40	18.65	16.80	14.90
563-CU-4477	CU-4477	7.39	4.70	1.34	23.40	19.50	17.55	15.60
563-CU-4478	CU-4478	7.50	7.50	2.46	37.10	30.90	27.80	24.70
563-CU-4479	CU-4479	4.37	3.37	1.98	17.30	14.40	12.95	11.50

Black For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	10	100	200
563-CU-4123-B	CU-4123-B	13.00	10.85	9.75	8.70
563-CU-4124-B	CU-4124-B	15.70	13.10	11.80	10.50
563-CU-4234-B	CU-4234-B	22.37	18.64	16.80	14.91
563-CU-4247-B	CU-4247-B	29.40	24.50	22.05	19.60
563-CU-4347-B	CU-4347-B	33.70	28.10	25.30	22.50
563-CU-4470-B	CU-4470-B	11.70	9.75	8.80	7.80
563-CU-4471-B	CU-4471-B	18.20	15.15	13.65	12.10
563-CU-4472-B	CU-4472-B	21.30	17.75	16.00	14.20
563-CU-4473-B	CU-4473-B	19.90	16.60	14.95	13.30
563-CU-4474-B	CU-4474-B	26.40	22.00	19.80	17.60
563-CU-4475-B	CU-4475-B	30.00	25.00	22.50	20.00
563-CU-4476-B	CU-4476-B	25.00	20.85	18.75	16.70
563-CU-4477-B	CU-4477-B	27.30	22.75	20.50	18.20
563-CU-4478-B	CU-4478-B	42.00	35.00	31.50	28.00
563-CU-4479-B	CU-4479-B	18.50	15.40	13.85	12.30



With Mounting Bracket Cover

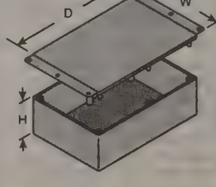
External mounting brackets are cast into the cover allowing the box to be mounted on a wall or panel. Finish: Natural or Black

Natural Finish

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	10	100	250
563-CU-5123	CU-5123	3.63	1.50	1.06	5.80	4.85	4.35	3.90
563-CU-5124	CU-5124	4.37	2.37	1.06	8.10	6.75	6.10	5.40
563-CU-5234	CU-5234	4.68	3.68	2.06	12.00	10.00	9.00	8.00
563-CU-5247	CU-5247	7.39	4.70	2.06	19.70	16.45	14.80	13.15
563-CU-5347	CU-5347	7.39	4.70	3.06	23.80	19.85	17.85	15.90
563-CU-5470	CU-5470	2.00	2.00	1.09	4.90	4.10	3.70	3.30
563-CU-5471	CU-5471	4.33	3.25	1.59	9.30	7.75	7.00	6.20
563-CU-5472	CU-5472	4.75	3.15	2.17	12.10	10.10	9.10	8.10
563-CU-5473	CU-5473	4.68	3.68	1.18	10.60	8.85	7.95	7.10
563-CU-5474	CU-5474	4.75	4.75	2.17	15.60	13.00	11.70	10.40
563-CU-5475	CU-5475	4.75	4.75	3.59	19.20	16.00	14.40	12.80
563-CU-5476	CU-5476	6.00	3.25	1.84	15.30	12.75	11.50	10.20
563-CU-5477	CU-5477	7.39	4.70	1.34	17.60	14.70	13.25	11.75
563-CU-5478	CU-5478	7.50	7.50	2.46	26.30	21.95	19.75	17.55
563-CU-5479	CU-5479	4.37	3.37	1.98	10.70	8.95	8.05	7.15

Black For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each			
		1	10	100	200
563-CU-5123-B	CU-5123-B	8.50	7.10	6.40	5.70
563-CU-5124-B	CU-5124-B	11.40	9.50	8.55	7.60
563-CU-5234-B	CU-5234-B	15.60	13.00	11.70	10.40
563-CU-5247-B	CU-5247-B	26.90	22.45	20.20	17.95
563-CU-5347-B	CU-5347-B	32.20	26.85	24.15	21.50
563-CU-5470-B	CU-5470-B	7.50	6.25	5.65	5.00
563-CU-5471-B	CU-5471-B	12.50	10.45	9.40	8.35
563-CU-5472-B	CU-5472-B	15.80	13.20	11.90	10.55
563-CU-5473-B	CU-5473-B	14.00	11.70	10.55	9.35
563-CU-5474-B	CU-5474-B	22.70	18.95	17.05	15.15
563-CU-5475-B	CU-5475-B	28.10	23.45	21.10	18.75
563-CU-5476-B	CU-5476-B	20.60	17.20	15.50	13.75
563-CU-5477-B	CU-5477-B	24.20	20.20	18.20	16.15
563-CU-5478-B	CU-5478-B	36.00	30.05	27.05	24.05
563-CU-5479-B	CU-5479-B	14.20	11.85	10.65	9.50



Contact a Mouser Service Representative for a custom design solution

customize *it.*

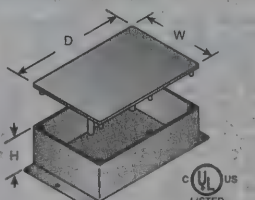
BUD NEMA Die-Cast Aluminum Enclosures

NEMA 1, 2, 4, 4X, 12, & 13, UL508 SEALED DIE-CAST ALUMINUM ENCLOSURES

With Mounting Bracket

Die cast aluminum NEMA 4X boxes with external mounting brackets increase both adaptability and use. These boxes allow for the mounting of the box without having to remove the cover, thereby possibly compromising the NEMA 4X rating.

- Tested and listed to UL-508 type 4X requirements (UL File # E194432)
- ADC-12 aluminum alloy
- Excellent screening properties
- Gasketed covers attach w/M4 stainless steel screws
- Internal bosses for mounting PCBs horizontally
- Most models also allow for vertical PCB mounting
- Mounts to wall or panel w/ #10 size screws (not furnished)
- Heavy duty .09" thick external wall mounting bracket
- EPDM gaskets (installed in Natural finish boxes; included but not installed in Black finish boxes)



LISTED
E194432

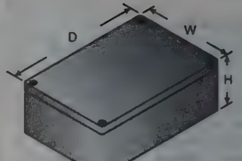
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	10	100	200
Natural Finish								
563-AN-2800	AN-2800	3.54	1.42	1.18	**12.70**	**10.60**	**9.55**	**8.50**
563-AN-2801	AN-2801	2.52	2.28	1.38	**13.10**	**10.90**	**9.80**	**8.70**
563-AN-2802	AN-2802	4.53	2.56	1.18	**16.40**	**13.65**	**12.30**	**10.90**
563-AN-2803	AN-2803	4.53	2.56	2.17	**18.70**	**15.60**	**14.05**	**12.50**
563-AN-2804	AN-2804	4.53	3.54	2.17	**20.40**	**17.00**	**15.30**	**13.60**
563-AN-2805	AN-2805	5.83	4.25	2.95	**32.10**	**26.75**	**24.10**	**21.40**
563-AN-2806	AN-2806	6.73	4.76	2.17	**33.10**	**27.60**	**24.85**	**22.10**
563-AN-2807	AN-2807	8.75	5.75	2.17	**35.70**	**29.75**	**26.80**	**23.80**
563-AN-2808	AN-2808	8.75	5.75	3.25	**38.67**	**37.65**	**34.60**	**31.55**
563-AN-2809	AN-2809	4.75	4.75	4.00	**35.60**	**29.65**	**26.70**	**23.70**
563-AN-2810	AN-2810	6.25	6.25	4.00	**40.00**	**33.35**	**30.00**	**26.70**
563-AN-2811	AN-2811	1.97	1.77	1.12	**12.40**	**10.35**	**9.30**	**8.30**
563-AN-2812	AN-2812	3.85	2.52	1.35	**15.90**	**13.25**	**11.95**	**10.60**
563-AN-2813	AN-2813	4.90	3.14	1.59	**19.30**	**16.10**	**14.50**	**12.90**
563-AN-2814	AN-2814	4.90	3.14	2.26	**21.30**	**17.75**	**16.00**	**14.20**
563-AN-2815	AN-2815	5.91	2.52	1.45	**20.60**	**17.15**	**15.45**	**13.70**
563-AN-2816	AN-2816	6.29	3.93	2.37	**31.60**	**26.35**	**23.70**	**21.10**
563-AN-2817	AN-2817	6.29	3.93	3.19	**34.00**	**28.35**	**25.50**	**22.70**
Smooth Black Powdercoat Finish								
563-AN-2800-B	AN-2800-B	3.54	1.42	1.18	**13.40**	**11.15**	**10.05**	**8.90**
563-AN-2801-B	AN-2801-B	2.52	2.28	1.38	**13.90**	**11.60**	**10.45**	**9.30**
563-AN-2802-B	AN-2802-B	4.53	2.56	1.18	**17.90**	**14.90**	**13.40**	**11.90**
563-AN-2803-B	AN-2803-B	4.53	2.56	2.17	**20.20**	**16.85**	**15.15**	**13.50**
563-AN-2804-B	AN-2804-B	4.53	3.54	2.17	**22.60**	**18.85**	**16.95**	**15.10**
563-AN-2805-B	AN-2805-B	5.83	4.25	2.95	**35.60**	**29.65**	**26.70**	**23.70**
563-AN-2806-B	AN-2806-B	6.73	4.76	2.17	**36.30**	**30.25**	**27.25**	**24.20**
563-AN-2807-B	AN-2807-B	8.75	5.75	2.17	**42.10**	**35.10**	**31.60**	**28.10**
563-AN-2808-B	AN-2808-B	8.75	5.75	3.25	**47.30**	**39.40**	**35.45**	**31.50**
563-AN-2809-B	AN-2809-B	4.75	4.75	4.00	**38.60**	**32.15**	**28.95**	**25.70**
563-AN-2810-B	AN-2810-B	6.25	6.25	4.00	**44.30**	**36.90**	**33.20**	**29.50**
563-AN-2811-B	AN-2811-B	1.97	1.77	1.12	**13.00**	**10.85**	**9.75**	**8.70**
563-AN-2812-B	AN-2812-B	3.85	2.52	1.35	**17.10**	**14.25**	**12.85**	**11.40**
563-AN-2813-B	AN-2813-B	4.90	3.14	1.59	**21.70**	**18.10**	**16.30**	**14.50**
563-AN-2814-B	AN-2814-B	4.90	3.14	2.26	**24.00**	**20.00**	**18.00**	**16.00**
563-AN-2815-B	AN-2815-B	5.91	2.52	1.45	**22.30**	**18.60**	**16.75**	**14.90**
563-AN-2816-B	AN-2816-B	6.29	3.93	2.37	**35.10**	**29.25**	**26.35**	**23.40**
563-AN-2817-B	AN-2817-B	6.29	3.93	3.19	**37.50**	**31.25**	**28.15**	**25.00**

Without Mounting Bracket

Die cast in aluminum alloy and resistant to atmospheric and marine corrosion, these enclosures are ideal for housing sensitive electronic assemblies and pneumatic, hydraulic, and electrical devices in both commercial and industrial environments.

- Designed to IP 65 of IEC 529, NEMA 4X, and UL508
- Cover incorporates a recessed Neoprene gasket
- Internal bosses for mounting PCBs horizontally
- Internal guide slots for mounting PCB assemblies vertically



Style A: Includes wall mounting holes.
Style B: Does not have wall mounting holes.

LISTED
E194432

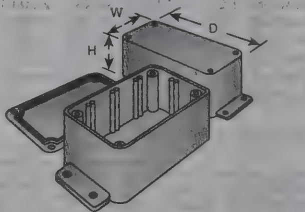
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Style	Dimensions: in.			Price Each			
			D	W	H	1	10	100	200
Natural Finish									
563-AN-1300	AN-1300	B	3.54	1.42	1.18	**6.10**	**5.10**	**4.60**	**4.10**
563-AN-1301	AN-1301	A	2.52	2.28	1.38	**6.30**	**5.25**	**4.75**	**4.20**
563-AN-1302	AN-1302	A	4.53	2.56	1.18	**9.10**	**7.60**	**6.85**	**6.10**
563-AN-1303	AN-1303	A	4.53	2.56	2.17	**11.10**	**9.25**	**8.35**	**7.40**
563-AN-1304	AN-1304	A	4.53	3.54	2.17	**13.00**	**10.85**	**9.75**	**8.70**
563-AN-1305	AN-1305	B	5.83	4.25	2.95	**23.30**	**19.40**	**17.45**	**15.50**
563-AN-1306	AN-1306	B	6.73	4.76	2.17	**23.70**	**19.75**	**17.80**	**15.80**
563-AN-1307	AN-1307	A	8.82	5.83	2.17	**25.00**	**20.85**	**18.75**	**16.70**
563-AN-1308	AN-1308	A	8.82	5.83	3.25	**31.20**	**26.05**	**23.45**	**20.85**
563-AN-1309	AN-1309	A	4.75	4.75	4.00	**27.80**	**23.20**	**20.90**	**18.55**
563-AN-1310	AN-1310	A	6.25	6.25	4.00	**31.20**	**26.05**	**23.45**	**20.85**
563-AN-1311	AN-1311	A	1.97	1.77	1.12	**6.10**	**5.10**	**4.60**	**3.87**
563-AN-1312	AN-1312	A	3.85	2.52	1.35	**9.00**	**7.50**	**6.75**	**6.00**
563-AN-1313	AN-1313	A	4.90	3.14	1.59	**12.20**	**10.15**	**9.15**	**7.75**
563-AN-1314	AN-1314	A	4.90	3.14	2.26	**14.60**	**12.15**	**10.95**	**9.70**
563-AN-1315	AN-1315	A	5.91	2.52	1.45	**13.70**	**11.40**	**10.25**	**8.70**
563-AN-1316	AN-1316	A	6.30	3.94	2.36	**23.80**	**19.85**	**17.85**	**15.90**
563-AN-1317	AN-1317	A	6.30	3.94	3.19	**26.60**	**22.15**	**19.95**	**17.70**
Smooth Gray Finish									
563-AN-1300-G	AN-1300-G	B	3.54	1.42	1.18	**10.60**	**8.85**	**7.95**	**6.73**
563-AN-1301-G	AN-1301-G	A	2.52	2.28	1.38	**11.00**	**9.15**	**8.25**	**7.30**
563-AN-1302-G	AN-1302-G	A	4.53	2.56	1.18	**14.80**	**12.35**	**11.10**	**9.40**
563-AN-1303-G	AN-1303-G	A	4.53	2.56	2.17	**17.30**	**14.40**	**12.95**	**11.50**
563-AN-1304-G	AN-1304-G	A	4.53	3.54	2.17	**20.80**	**17.35**	**15.60**	**13.90**
563-AN-1305-G	AN-1305-G	B	5.83	4.25	2.95	**33.40**	**27.85**	**25.05**	**22.30**
563-AN-1306-G	AN-1306-G	B	6.73	4.76	2.17	**33.80**	**28.15**	**25.35**	**22.50**
563-AN-1307-G	AN-1307-G	A	8.82	5.83	2.17	**36.30**	**30.25**	**27.25**	**24.20**
563-AN-1308-G	AN-1308-G	A	8.82	5.83	3.25	**45.60**	**38.00**	**34.20**	**30.40**
563-AN-1309-G	AN-1309-G	A	4.75	4.75	4.00	**36.50**	**30.40**	**27.35**	**23.18**
563-AN-1310-G	AN-1310-G	A	6.25	6.25	4.00	**45.60**	**38.00**	**34.20**	**30.40**
563-AN-1311-G	AN-1311-G	A	1.97	1.77	1.12	**10.00**	**8.35**	**7.50**	**6.35**
563-AN-1312-G	AN-1312-G	A	3.86	2.52	1.34	**13.20**	**11.00**	**9.90**	**8.80**
563-AN-1313-G	AN-1313-G	A	4.90	3.14	1.59	**17.50**	**14.60**	**13.15**	**11.11**
563-AN-1314-G	AN-1314-G	A	4.90	3.14	2.26	**22.10**	**18.40**	**16.55**	**14.03**
563-AN-1315-G	AN-1315-G	A	5.91	2.52	1.45	**20.40**	**17.00**	**15.30**	**12.95**
563-AN-1316-G	AN-1316-G	A	6.29	3.93	2.37	**33.20**	**27.65**	**24.90**	**21.08**
563-AN-1317-G	AN-1317-G	A	6.29	3.93	3.19	**37.60**	**31.35**	**28.20**	**23.88**

NEMA 4X DIE-CAST ALUMINUM ENCLOSURES

With Mounting Flanges

- Rugged #ADC-12 alloy die cast aluminum box with NEMA 1, 2, 4, 4X, 12, 13 and IP65 ratings
- Available in Natural Finish (other finishes available upon request)
- Self-adhesive gasket easily attaches to cover
- Cover attaches with 4 or 6 screws for a secure and tight seal
- All sizes have internal card guides for PCB mounting
- Mounting flanges are molded-in, onto the short side of the base

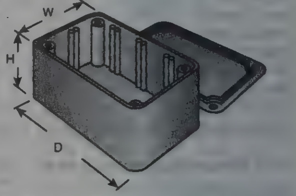


For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Molded-In Card Guides	Dimensions: in.			Price Each			
			D	W	H	1	10	100	200
563-CN-6702	CN-6702	Yes	3.52	1.38	1.22	**7.00**	**5.85**	**5.25**	**4.70**
563-CN-6703	CN-6703	Yes	4.51	2.50	1.22	**11.10**	**9.25**	**8.35**	**7.40**
563-CN-6704	CN-6704	Yes	4.51	2.50	2.22	**13.10**	**10.95**	**9.85**	**8.75**
563-CN-6705	CN-6705	Yes	4.54	3.57	2.22	**14.90**	**12.45**	**11.20**	**9.95**
563-CN-6706	CN-6706	Yes	4.73	3.95	1.44	**14.90**	**12.45**	**11.20**	**9.95**
563-CN-6707	CN-6707	Yes	5.47	4.01	3.05	**19.80**	**16.50**	**14.85**	**13.20**
563-CN-6708	CN-6708	Yes	6.51	5.01	3.05	**24.80**	**20.70**	**18.65**	**16.55**
563-CN-6709	CN-6709	Yes	6.78	4.77	2.22	**23.10**	**19.30**	**17.35**	**15.45**
563-CN-6710	CN-6710	Yes	6.78	4.77	4.21	**27.80**	**23.20**	**20.90**	**18.55**
563-CN-6711	CN-6711	Yes	8.75	5.74	2.25	**31.20**	**26.05**	**23.45**	**20.85**

Without Mounting Flanges

- Rugged #ADC-12 alloy die cast aluminum box with NEMA 1, 2, 4, 4X, 12, 13 and IP65 ratings
- Available in Natural Finish (other finishes available upon request)
- Self-adhesive gasket easily attaches to cover
- Cover attaches with 4 or 6 screws for a secure and tight seal



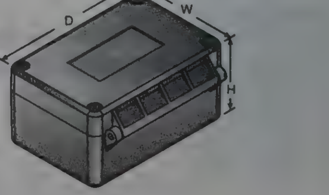
* Many sizes have internal card guides for PCB mounting or partitioning

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Molded-In Card Guides*	Dimensions: in.			Price Each			
			D	W	H	1	10	100	200
563-CN-5700	CN-5700	Yes	2.36	2.16	1.22	**6.50**	**5.42**	**4.90**	**4.33**
563-CN-5701	CN-5701	Yes	3.15	2.16	1.00	**6.20**	**5.15**	**4.65**	**4.10**
563-CN-5702	CN-5702	No	3.52	1.38	1.22	**5.50**	**4.60**	**4.15**	**3.70**
563-CN-5703	CN-5703	No	4.51	2.50	1.22	**8.85**	**7.35**	**6.60**	**5.90**
563-CN-5704	CN-5704	No	4.51	2.50	2.22	**10.50**	**8.75**	**7.90**	**7.00**
563-CN-5705	CN-5705	No	4.54	3.57	2.22	**12.20**	**10.20**	**9.20**	**8.15**
563-CN-5706	CN-5706	Yes	4.73	3.95	1.44	**12.00**	**10.00**	**9.00**	**8.00**
563-CN-5707	CN-5707	Yes	5.47	4.01	3.05	**16.80**	**14.00**	**12.60**	**11.20**
563-CN-5708	CN-5708	Yes	6.51	5.01	3.05	**21.80**	**18.20**	**16.40**	**14.55**
563-CN-5709	CN-5709	No	6.78	4.77	2.22	**20.10**	**16.75**	**15.10**	**13.40**
563-CN-5710	CN-5710	No	6.78	4.77	4.21	**24.70**	**20.60**	**18.55**	**16.50**
563-CN-5711	CN-5711	No	8.75	5.74	2.25	**26.40**	**22.05**	**19.85**	**17.65**
563-CN-5712	CN-5712	No	8.75	5.74	4.22	**35.70**	**29.80**	**26.80**	**23.85**
563-CN-5713	CN-5713	Yes	9.85	9.85	4.01	**62.60**	**52.25**	**47.05**	**41.80**
563-CN-5714	CN-5714	Yes	10.81	6.89	2.64	**38.90**	**32.45**	**29.20**	**25.95**

NEMA 4X SEALED DIE-CAST ALUMINUM ENCLOSURES WITH HINGED COVER

Hinged cover allows for easy access without risk of damage to cover. External mounting brackets allow the box to be mounted on a wall or panel without having to remove the cover, exposing internal components to the environment. Rugged aluminum alloy die cast box with NEMA 4X and IP65 ratings. Available in Black Powder Coat Finish. Gasketed covers attach with M4 stainless steel screws. Easily machined and modified to your particular requirements.



For quantities of 500 and up, call for quote.

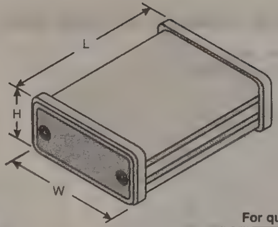
MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each			
		D	W	H	1	10	100	200
563-AN-2900	AN-2900	3.95	3.04	1.98	**27.00**	**22.55**	**20.30**	**18.05**
563-AN-2901	AN-2901	4.54	3.92	2.23	**28.70**	**23.95**	**21.55**	**19.15**

HAMMOND Metal Enclosures

HAMMOND MANUFACTURING™

EXTRUDED ALUMINUM CASES

- Designed to house P.C. boards or for equipment interfacing.
- Sized for standard Eurocards. P.C. boards mount horizontally by sliding into internal slots extruded into the enclosure body.
- Body constructed from extruded, anodized aluminum with a minimum thickness of .06 (1.5 mm).
- All hardware and rubber feet included



RoHS Compliant

With Metal End Plates

- Two aluminum end panels
- Two Black ABS Plastic Bezels (your option to install)

For quantities of 200 and up, call for quote.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Price Each				MOUSER STOCK NO.	Hammond Part No.	Price Each				Dimensions: in.		
Clear Anodized		1	10	50	100	Black Anodized		1	5	10	25	L	W	H
546-1455C801	1455C801	11.19	9.46	8.78	8.22	546-1455C801BK	1455C801BK	12.00	10.14	9.41	8.82	3.15	2.13	0.91
546-1455C1201	1455C1201	11.93	10.08	9.36	8.76	546-1455C1201BK	1455C1201BK	12.89	10.89	10.11	9.47	4.72	2.13	0.91
546-1455J1201	1455J1201	15.51	13.11	12.17	11.40	546-1455J1201BK	1455J1201BK	17.09	14.44	13.40	12.56	4.72	3.07	1.06
546-1455K1201	1455K1201	16.04	13.56	12.58	11.78	546-1455K1201BK	1455K1201BK	17.61	14.89	13.82	12.94	4.72	3.07	1.69
546-1455L1201	1455L1201	17.90	15.13	14.04	13.15	546-1455L1201BK	1455L1201BK	19.53	16.51	15.32	14.35	4.72	4.06	1.20
546-1455N1201	1455N1201	16.00	13.53	12.55	11.76	546-1455N1201BK	1455N1201BK	19.53	16.51	15.32	14.35	4.72	4.06	2.09
546-1455J1601	1455J1601	17.34	14.66	13.60	12.74	546-1455J1601BK	1455J1601BK	19.24	16.26	15.09	14.14	6.30	3.07	1.06
546-1455K1601	1455K1601	17.85	15.09	14.00	13.11	546-1455K1601BK	1455K1601BK	19.75	16.69	15.49	14.51	6.30	3.07	1.69
546-1455L1601	1455L1601	20.13	17.01	15.79	14.79	546-1455L1601BK	1455L1601BK	22.14	18.71	17.37	16.27	6.30	4.06	1.20
546-1455N1601	1455N1601	17.94	15.16	14.07	13.18	546-1455N1601BK	1455N1601BK	22.14	18.71	17.37	16.27	6.30	4.06	2.09
546-1455L2201	1455L2201	22.86	19.32	17.93	16.80	546-1455L2201BK	1455L2201BK	25.27	21.36	19.82	18.57	8.66	4.06	1.20
546-1455N2201	1455N2201	22.86	19.32	17.93	16.80	546-1455N2201BK	1455N2201BK	25.27	21.36	19.82	18.57	8.66	4.06	2.09
546-1455P1601	1455P1601	19.80	16.74	15.53	14.55	546-1455P1601BK	1455P1601BK	22.88	19.34	17.95	16.81	6.30	4.74	1.20
546-1455Q1601	1455Q1601	21.70	18.34	17.03	15.95	546-1455Q1601BK	1455Q1601BK	25.52	21.57	20.02	18.75	6.30	4.74	2.03
546-1455R1601	1455R1601	23.13	19.55	18.15	17.00	546-1455R1601BK	1455R1601BK	25.90	21.89	20.32	19.03	6.30	6.30	1.20
546-1455T1601	1455T1601	23.48	19.84	18.42	17.25	546-1455T1601BK	1455T1601BK	26.39	22.31	20.70	19.39	6.30	6.30	2.03
546-1455P2201	1455P2201	22.43	18.96	17.59	16.48	546-1455P2201BK	1455P2201BK	25.41	21.48	19.94	18.67	8.66	4.74	1.20
546-1455Q2201	1455Q2201	24.80	20.96	19.45	18.22	546-1455Q2201BK	1455Q2201BK	28.49	24.08	22.35	20.93	8.66	4.74	2.03
546-1455R2201	1455R2201	25.86	21.86	20.29	19.01	546-1455R2201BK	1455R2201BK	28.72	24.28	22.54	21.11	8.66	6.30	1.20
546-1455T2201	1455T2201	26.39	22.31	20.70	19.39	546-1455T2201BK	1455T2201BK	29.30	24.77	22.99	21.53	8.66	6.30	2.03

With Plastic End Panels

NEW FROM SUPPLIER

- Includes two-easy-to machine, Black Solid ABS Plastic end panels (with integral bezel)

For quantities of 200 and up, call for quote.

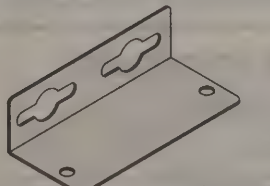
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Price Each				MOUSER STOCK NO.	Hammond Part No.	Price Each				Dimensions: in.		
Clear Anodized		1	10	50	100	Black Anodized		1	5	10	25	L	W	H
546-1455A802	1455A802	6.50	5.49	5.10	4.77	546-1455A802BK	1455A802BK	7.69	6.50	6.04	5.65	3.15	2.76	0.47
546-1455B802	1455B802	6.95	5.88	5.45	5.11	546-1455B802BK	1455B802BK	8.15	6.89	6.39	5.99	3.15	2.82	0.75
546-1455C802	1455C802	8.92	7.54	7.00	6.56	546-1455C802BK	1455C802BK	10.61	8.97	8.32	7.79	3.15	2.13	0.91
546-1455A1002	1455A1002	6.81	5.75	5.34	5.00	546-1455A1002BK	1455A1002BK	8.13	6.87	6.38	5.97	3.94	2.76	0.47
546-1455B1002	1455B1002	7.37	6.23	5.78	5.41	546-1455B1002BK	1455B1002BK	8.65	7.31	6.79	6.36	3.94	2.82	0.75
546-1455A1202	1455A1202	7.15	6.04	5.61	5.25	546-1455A1202BK	1455A1202BK	8.56	7.24	6.72	6.29	4.72	2.76	0.47
546-1455B1202	1455B1202	7.76	6.56	6.09	5.71	546-1455B1202BK	1455B1202BK	9.18	7.76	7.20	6.74	4.72	2.82	0.75
546-1455C802	1455C802	8.92	7.54	7.00	6.56	546-1455C802BK	1455C802BK	10.61	8.97	8.32	7.79	3.15	2.13	0.91
546-1455C1202	1455C1202	9.23	7.80	7.24	6.78	546-1455C1202BK	1455C1202BK	9.79	8.28	7.68	7.20	4.72	2.13	0.91
546-1455J1202	1455J1202	11.69	9.88	9.17	8.59	546-1455J1202BK	1455J1202BK	11.89	10.05	9.33	8.74	4.72	3.07	1.06
546-1455K1202	1455K1202	11.42	9.65	8.96	8.39	546-1455K1202BK	1455K1202BK	13.32	11.26	10.45	9.79	4.72	3.07	1.69
546-1455L1202	1455L1202	14.01	11.84	10.99	10.29	546-1455L1202BK	1455L1202BK	15.17	12.82	11.90	11.15	4.72	4.06	1.20
546-1455N1202	1455N1202	14.01	11.84	10.99	10.29	546-1455N1202BK	1455N1202BK	15.17	12.82	11.90	11.15	4.72	4.06	2.09
546-1455J1602	1455J1602	13.52	11.43	10.61	9.94	546-1455J1602BK	1455J1602BK	14.93	12.62	11.72	10.97	6.30	3.07	1.06
546-1455K1602	1455K1602	14.03	11.86	11.01	10.31	546-1455K1602BK	1455K1602BK	15.46	13.07	12.13	11.36	6.30	3.07	1.69
546-1455L1602	1455L1602	16.24	13.72	12.74	11.93	546-1455L1602BK	1455L1602BK	17.77	15.02	13.94	13.06	6.30	4.06	1.20
546-1455N1602	1455N1602	16.24	13.72	12.74	11.93	546-1455N1602BK	1455N1602BK	17.77	15.02	13.94	13.06	6.30	4.06	2.09
546-1455L2202	1455L2202	18.97	16.03	14.88	13.94	546-1455L2202BK	1455L2202BK	20.91	17.67	16.40	15.36	8.66	4.06	1.20
546-1455N2202	1455N2202	18.97	16.03	14.88	13.94	546-1455N2202BK	1455N2202BK	20.91	17.67	16.40	15.36	8.66	4.06	2.09
546-1455P1602	1455P1602	17.32	14.64	13.59	12.73	546-1455P1602BK	1455P1602BK	20.00	16.91	15.69	14.70	6.30	4.74	1.20
546-1455Q1602	1455Q1602	19.01	16.07	14.91	13.97	546-1455Q1602BK	1455Q1602BK	22.44	18.97	17.61	16.49	6.30	4.74	2.03
546-1455R1602	1455R1602	18.10	15.30	14.20	13.30	546-1455R1602BK	1455R1602BK	20.83	17.61	16.34	15.31	6.30	6.30	1.20
546-1455T1602	1455T1602	18.28	15.45	14.34	13.43	546-1455T1602BK	1455T1602BK	21.14	17.87	16.59	15.53	6.30	6.30	2.10
546-1455P2202	1455P2202	19.95	16.86	15.65	14.66	546-1455P2202BK	1455P2202BK	22.55	19.06	17.69	16.57	8.66	4.74	1.20
546-1455Q2202	1455Q2202	22.12	18.70	17.35	16.25	546-1455Q2202BK	1455Q2202BK	25.41	21.48	19.94	18.67	8.66	4.74	2.03
546-1455R2202	1455R2202	21.09	17.82	16.54	15.49	546-1455R2202BK	1455R2202BK	23.93	20.23	18.77	17.58	8.66	6.30	1.20
546-1455T2202	1455T2202	21.45	18.13	16.83	15.76	546-1455T2202BK	1455T2202BK	24.33	20.56	19.08	17.88	8.66	6.30	2.10

Wallmount Kits for Extruded Aluminum Cases

- Designed to convert the 1455 series enclosures where shelf or wall mounting is required
- Flanges are .064" (1.6 mm) thick aluminum foot "L" brackets and attach to each end, replacing the aluminum end panels
- Finish available in both Clear & Black anodized to match enclosure
- Sold in pairs

NEW FROM SUPPLIER



For quantities of 200 and up, call for quote.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Price Each				MOUSER STOCK NO.	Hammond Part No.	Price Each				Use With Enclosure
Clear Anodized		1	10	50	100	Black Anodized		1	5	10	25	Any Part Above Starting With:
546-1455CF	1455CF	9.30	7.86	7.30	6.84	546-1455CFBK	1455CFBK	9.81	8.29	7.70	7.21	1455C
546-1455JF	1455JF	9.81	8.29	7.70	7.21	546-1455JFBK	1455JFBK	10.34	8.74	8.11	7.59	1455J
546-1455KF	1455KF	10.34	8.74	8.11	7.59	546-1455KFBK	1455KFBK	10.84	9.16	8.51	7.97	1455K
546-1455LF	1455LF	10.84	9.16	8.51	7.97	546-1455LFBK	1455LFBK	11.37	9.61	8.92	8.35	1455L
546-1455NF	1455NF	11.37	9.61	8.92	8.35	546-1455NFBK	1455NFBK	11.87	10.04	9.32	8.72	1455N
546-1455PF	1455PF	13.66	11.61	10.93	10.25	546-1455PFBK	1455PFBK	14.02	11.92	11.21	10.52	1455P
546-1455QF	1455QF	14.54	12.35	11.63	10.91	546-1455QFBK	1455QFBK	14.98	12.73	11.98	11.24	1455Q
546-1455RF	1455RF	11.87	10.04	9.32	8.72	546-1455RFBK	1455RFBK	12.40	10.48	9.73	9.11	1455R
546-1455TF	1455TF	12.40	10.48	9.73	9.11	546-1455TFBK	1455TFBK	12.92	10.92	10.14	9.50	1455T

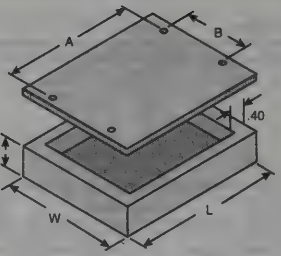
HAMMOND Metal Enclosures

DIMENSIONS: in.

ALUMINUM CHASSIS CASES AND COVERS

- Spot welded heavy duty construction chassis
- Cover punched with 4 holes (hardware not provided)
- Natural finish

"A" and "B" dimensions are hole center to hole center



RoHS Compliant

Aluminum Chassis Cases

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	L	W	H	1	5	10	25
546—1444-6		4	4	2	9.03	7.65	7.10	6.63
546—1444-8		6	4	2	9.25	7.84	7.27	6.79
546—1444-9		8	4	1	9.66	8.16	7.59	7.08
546—1444-10		8	4	2	9.90	8.37	7.77	7.25
546—1444-12		7	5	2	10.12	8.57	7.96	7.43
546—1444-14		9	5	2	12.20	10.32	9.59	8.95
546—1444-15		10	6	1	10.65	9.01	8.37	7.81
546—1444-16		10	6	2	13.23	11.20	10.39	9.71
546—1444-18		13.5	5	2	14.02	11.86	11.02	10.28
546—1444-20		17	4	3	23.20	19.64	18.23	17.01
546—1444-22		12	8	2	23.09	19.54	18.14	16.94
546—1444-24		12	8	3	23.35	19.75	18.35	17.12
546—1444-26		16	8	2	23.27	19.69	18.29	17.07
546—1444-28		16	8	3	27.71	23.45	21.78	20.32
546—1444-29		12	10	2	23.24	19.66	18.25	17.04
546—1444-30		17	10	2	26.92	22.79	21.15	19.75
546—1444-32		17	10	3	31.53	26.68	24.78	23.12
546—1444-33		17	10	4	45.46	38.46	35.72	33.33

Aluminum Covers

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.		Price Each			
Mfr.	Mfr. Part No.	A	B	1	5	10	25
546—1434-6		3.6	3.0	4.37	3.70	3.43	3.20
546—1434-8		5.6	3.0	4.68	3.95	3.67	3.43
546—1434-10		7.6	3.0	4.44	3.76	3.49	3.25
546—1434-10		7.6	3.0	4.44	3.76	3.49	3.25
546—1434-12		6.6	3.0	4.58	3.88	3.60	3.36
546—1434-14		8.6	3.0	4.68	3.95	3.67	3.43
546—1434-16		9.6	4.0	7.00	5.93	5.50	5.14
546—1434-16		9.6	4.0	7.00	5.93	5.50	5.14
546—1434-18		13.1	3.0	7.47	6.33	5.87	5.48
546—1434-20		16.6	3.0	7.55	6.39	5.93	5.53
546—1434-22		11.6	6.0	9.90	8.37	7.77	7.25
546—1434-22		11.6	6.0	9.90	8.37	7.77	7.25
546—1434-26		15.6	6.0	9.90	8.37	7.77	7.25
546—1434-26		15.6	6.0	9.90	8.37	7.77	7.25
546—1434-29		11.6	8.0	9.90	8.37	7.77	7.25
546—1434-30		16.6	8.0	10.47	8.86	8.23	7.68
546—1434-30		16.6	8.0	10.47	8.86	8.23	7.68
546—1434-30		16.6	8.0	10.47	8.86	8.23	7.68

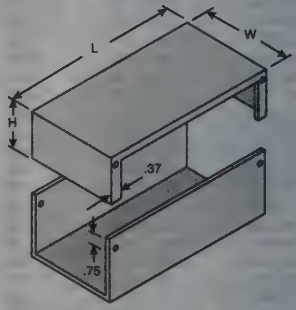
DIMENSIONS: in.

ALUMINUM UTILITY CASES

- .040" thick aluminum
- Four self-tapping screws included
- Unpainted: Protected w/ plastic skin cover to ensure a high quality finish
- Painted: ASA 61 Gray Baked Enamel Finish. (outside only)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Price Each				MOUSER STOCK NO.	Price Each				Dimensions: in.		
Painted	1	5	10	25	Unpainted	1	5	10	25	L	W	H
546-1411B	5.43	4.54	4.19	3.89	546-1411BU	3.51	2.93	2.71	2.51	2.70	2.20	1.60
546-1411C	5.52	4.60	4.25	3.94	546-1411CU	3.76	3.13	2.90	2.68	3.20	2.20	1.10
546-1411D	5.56	4.64	4.28	3.98	546-1411DU	4.04	3.36	3.11	2.89	3.20	2.20	1.60
546-1411F	6.08	5.07	4.68	4.35	546-1411FU	5.00	4.17	3.85	3.57	4.00	2.20	3.00
546-1411G	5.76	4.80	4.43	4.12	546-1411GU	4.38	3.65	3.36	3.13	4.00	2.20	1.60
546-1411H	5.86	4.89	4.51	4.18	546-1411HU	4.70	3.91	3.62	3.36	4.00	2.20	2.20
546-1411K	6.72	5.60	5.17	4.80	546-1411KU	5.82	4.85	4.48	4.16	5.00	2.20	2.20
546-1411L	8.76	7.30	6.74	6.26	546-1411LU	7.24	6.03	5.57	5.17	5.00	4.00	3.00
546-1411M	9.80	8.17	7.54	7.00	546-1411MU	8.16	6.81	6.27	5.82	6.00	3.00	3.00
546-1411N	7.16	5.96	5.50	5.12	546-1411NU	6.20	5.17	4.77	4.43	5.00	3.00	2.20
546-1411P	12.26	10.22	9.43	8.76	546-1411PU	10.36	8.63	7.97	7.40	6.00	5.00	4.00
546-1411Q	11.94	9.95	9.19	8.53	546-1411QU	9.90	8.26	7.62	7.07	7.00	5.00	3.00
546-1411R	19.60	16.33	15.07	14.00	546-1411RU	14.62	12.18	11.24	10.44	8.00	6.00	3.50
546-1411S	17.96	14.97	13.82	12.83	546-1411SU	13.06	10.88	10.05	9.33	8.00	4.00	3.00
546-1411T	19.68	16.40	15.14	14.06	546-1411TU	14.70	12.26	11.31	10.50	10.00	2.20	1.60
546-1411U	23.86	19.89	18.35	17.05	546-1411UU	18.34	15.28	14.11	13.10	10.00	6.00	3.50
546-1411W	22.86	19.05	17.59	16.33	546-1411WU	17.96	14.97	13.82	12.83	12.00	3.00	2.20
546-1411X	28.57	23.80	21.97	20.41	546-1411XU	23.24	19.37	17.88	16.60	12.00	7.00	4.00
546-1411Z	31.02	25.86	23.86	22.15	546-1411ZU	26.12	21.77	20.09	18.66	17.00	5.00	4.00



RoHS Compliant

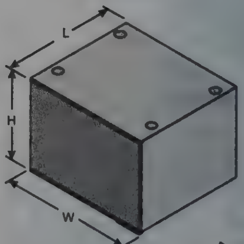
DIMENSIONS: in.

STEEL UTILITY CASES

- Sizes A to E are 20 gauge .036" thick steel.
- Sizes F to J are 18 gauge .048" thick steel.
- Self-tapping screws included.
- ASA 61 Gray Baked Powder Paint.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.			Price Each			
		L	W	H	1	5	10	25
546-1415A	1415A	2	4	4	13.04	11.03	10.24	9.56
546-1415B	1415B	3	4	5	13.23	11.20	10.40	9.70
546-1415C	1415C	4	6	5	16.84	14.25	13.23	12.35
546-1415D	1415D	6	6	6	25.82	21.85	20.29	18.94
546-1415E	1415E	5	9	6	27.97	23.66	21.97	20.51
546-1415F	1415F	7	10	8	42.31	35.80	33.24	31.03
546-1415H	1415H	8	10	10	54.47	46.10	42.80	39.95
546-1415G	1415G	6	12	7	42.07	35.60	33.05	30.85
546-1415I	1415I	8	12	11	61.40	51.95	48.25	45.03
546-1415J	1415J	7	15	9	60.11	50.86	47.23	44.08



RoHS Compliant

ALUMINUM INSTRUMENT CASES

- Top and bottom made from 12 gauge aluminum finished in Contempra Gray.
- Top and bottom are attached to an internal aluminum extrusion which contains mounting slots for printed circuit boards or panels.
- Front and rear panels are natural aluminum (paper coated one side) which are attached with screws to the aluminum mounting extrusion.
- Panels can be easily removed for access to components.
- Tops and bottoms are available in solid or with vent slots.
- All hardware and self-adhesive rubber feet are included.

Solid Top and Base

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	5	10	25
546-1402B	1402B	A	4.9	7.1	2.4	39.30	33.22	30.83	28.87
546-1402D	1402D	A	7.3	7.1	2.4	42.97	36.32	33.71	31.57
546-1402F	1402F	A	10.3	7.1	3.1	51.91	43.88	40.73	38.14
546-1402H	1402H	A	7.3	10.0	3.9	50.30	42.52	39.46	36.96
546-1402K	1402K	A	9.6	10.0	3.9	59.19	50.03	46.43	43.49

Vented Top and Base

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			P.C. Card Clearance	Fits Eurocard Sizes (mm)	Price Each			
			L	W	H			1	5	10	25
546-1402BV	1402BV	A	4.9	7.1	2.4	6.34	160 x 100	40.63	34.35	31.88	29.86
546-1402DV	1402DV	A	7.3	7.1	2.4	6.34	160 x 160	44.36	37.50	34.80	32.60
546-1402FV	1402FV	A	10.3	7.1	3.1	6.34	160 x 234	53.32	45.07	41.83	39.18
546-1402HV	1402HV	A	7.3	10.0	3.9	9.25	234 x 160	52.22	44.14	40.97	38.37
546-1402KV	1402KV	A	9.6	10.0	3.9	9.25	234 x 220	61.09	51.64	47.93	44.89

ALUMINUM SLOPED INSTRUMENT CONSOLES

- Textured baked enamel, ventilated bottom with wrap around sides.
- Supplied with hardware and rubber feet.
- Color: base = Blue; panel = White

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.				Slope	Price Each			
			L	W	H	A		1	5	10	25
546-1456PH3WHBU	1456PH3WHBU	B	8.3	14	3	1.3	15°	31.13	26.34	24.46	22.83
546-1456PL3WHBU	1456PL3WHBU	B	11.3	14	3	1.3	15°	33.43	28.29	26.27	24.52
546-1456FG4WHBU	1456FG4WHBU	B	7.2	6.5	4	1.1	30°	23.18	19.62	18.22	17.00
546-1456KK4WHBU	1456KK4WHBU	B	10.2	10	4	1.1	30°	30.37	25.69	23.86	22.27
546-1456PK4WHBU	1456PK4WHBU	B	10.2	14	4	1.1	30°	33.43	28.29	26.27	24.52

STEEL INSTRUMENT CASES (18 GAUGE)

- Heavy duty, 18 gauge steel top and bottom halves finished in Contempra Gray Powder Paint.
- Easy to machine .064" thick aluminum panels
- Front finished in Satin Black; Vented back finished in Contempra Gray.
- Rear panel is vented top and bottom.
- 6-32 Phillips nickel plated screws and self- adhesive rubber feet included.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	5	10	25
546-1401A	1401A	C	10.0	6.0	5.0	51.28	43.34	40.23	37.68
546-1401AA	1401AA	C	6.0	6.0	5.0	47.84	40.44	37.53	35.15
546-1401AAA	1401AAA	C	6.0	4.0	4.0	44.44	37.56	34.86	32.65
546-1401C	1401C	C	10.0	8.0	9.0	59.80	50.55	46.92	43.94
546-1401E	1401E	C	8.0	8.0	8.0	56.63	47.93	44.50	41.54
546-1401G	1401G	C	12.0	10.0	9.0	75.19	63.56	58.99	55.25
546-1401K	1401K	C	14.0	10.0	6.5	77.24	65.35	62.30	56.64
546-1401M	1401M	C	8.0	12.0	9.0	80.67	68.26	65.07	59.16
546-1401N	1401N	C	8.0	14.0	9.0	82.39	69.71	64.73	60.41
546-1401P	1401P	C	10.0	14.0	5.0	73.82	62.46	58.00	54.13

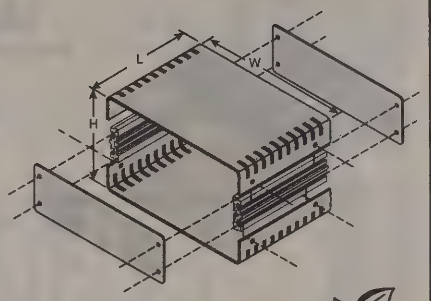
STEEL INSTRUMENT CASES (20 GAUGE)

- Top and bottom made in 20 gauge steel (for strength) finished in Contempra Gray.
- Easy to machine 0.064 thick aluminum panels front and rear.
- Rear panel and bottom of enclosure is vented.
- Front panel is Satin Black, rear panel is Contempra Gray.
- 6-32 Phillips nickel plated screws and self-adhesive rubber feet included.
- Also available in Satin Blue. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

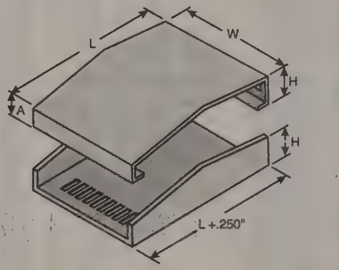
MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	5	10	25
546-1426K	1426K	D	6.0	5.0	4.0	41.01	34.67	32.18	30.14
546-1426M	1426M	D	8.0	6.0	4.0	42.72	36.11	33.51	31.39
546-1426O	1426O	D	10.0	7.0	4.0	47.84	40.44	37.53	35.15
546-1426Q	1426Q	D	11.0	11.7	5.5	47.89	40.48	37.57	35.19
546-1426S	1426S	D	12.0	6.0	4.0	51.28	43.34	40.23	37.68
546-1426V	1426V	D	12.0	8.0	4.0	51.28	43.34	40.23	37.68
546-1426W	1426W	D	12.0	10.0	4.0	54.68	46.22	42.90	40.18
546-1426Y	1426Y	D	12.0	6.0	5.5	51.28	43.34	40.23	37.68

A



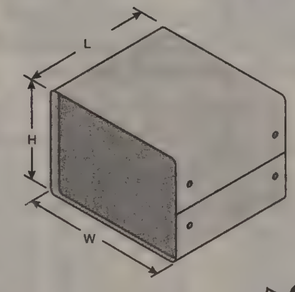
RoHS Compliant

B



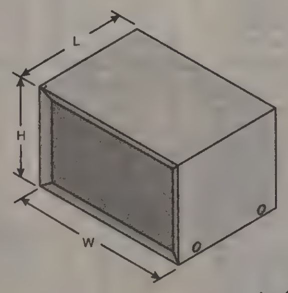
RoHS Compliant

C



RoHS Compliant

D



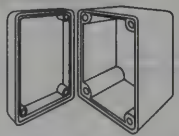
RoHS Compliant

HAMMOND Diecast Aluminum Enclosures

HAMMOND DIECAST ALUMINUM ENCLOSURES

- Drilled and tapped lid with 6-32 x 1/2 countersunk Phillips head screws
- Interlocking lid provides complete RF shielding
- Available in Gray Textured Finish. Contact a Mouser Service Representative for details.
- Average wall thickness 2mm (.08")

RoHS Compliant



Note: lid adds .16" to overall depth of case

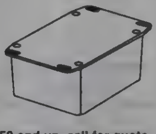
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Dimension: in.			Price Each			
Mfr. Mfr. Part No.	H	W	D	1	5	10	25
Color: Unfinished							
546—1590LB	1.99	1.99	1.06	7.71	7.00	6.36	5.79
546—1590H	2.07	1.50	1.06	6.52	5.43	5.01	4.65
546—1590A	3.64	1.52	1.06	8.77	7.31	6.74	6.26
546—1590G	3.95	1.95	.84	7.88	6.56	6.06	5.62
546—1590S	4.35	3.21	1.57	11.10	9.25	8.54	7.93
546—1590B	4.39	2.34	1.06	13.73	12.47	11.35	10.31
546—1590BB	4.67	3.68	1.18	18.07	16.43	14.93	13.57
546—1590U	4.70	4.70	2.17	16.80	14.00	12.92	12.00
546—1590V	4.70	4.70	3.54	23.11	19.26	17.78	16.51
546—1590C	4.72	3.70	2.07	12.46	11.33	10.30	9.36
546—1590T	4.74	3.13	2.17	11.44	9.54	8.80	8.17
546—1590N1	4.77	2.60	1.39	11.46	9.55	8.82	8.19
546—1590K	4.92	4.92	2.95	21.02	17.52	16.17	15.02
546—1590J	5.71	3.74	1.77	12.60	10.50	9.69	9.00
546—1590P1	6.01	3.24	1.81	16.46	13.72	12.66	11.75
546—1590DD	7.38	4.70	1.30	17.70	14.75	13.61	12.64
546—1590D	7.38	4.70	2.05	21.36	17.81	16.44	15.26
546—1590E	7.38	4.70	3.07	21.54	17.95	16.57	15.39
546—1590F	7.38	7.38	2.48	28.94	24.11	22.26	20.67
546—1590R1	7.60	4.40	2.20	24.10	20.09	18.54	17.22
Color: Black							
546—1590LB-BK	1.99	1.99	1.06	10.24	8.53	7.88	7.31
546—1590H-BK	2.07	1.50	1.06	9.18	7.65	7.06	6.56
546—1590A-BK	3.64	1.52	1.06	11.04	9.21	8.89	7.89
546—1590G-BK	3.95	1.95	.84	9.48	7.90	7.29	6.77
546—1590S-BK	4.35	3.21	1.57	16.45	13.71	12.65	11.75
546—1590B-BK	4.39	2.34	1.06	12.04	10.03	9.26	8.60
546—1590BB-BK	4.67	3.68	1.18	17.00	14.16	13.07	12.14
546—1590U-BK	4.70	4.70	2.17	20.18	16.81	15.52	14.41
546—1590V-BK	4.70	4.70	3.54	27.74	23.12	21.00	19.82
546—1590C-BK	4.72	3.70	2.07	17.17	14.31	12.89	12.26
546—1590T-BK	4.74	3.13	2.17	14.89	12.41	11.00	10.64
546—1590N1-BK	4.77	2.60	1.39	15.99	13.00	12.00	11.00
546—1590K-BK	4.92	4.92	2.95	25.64	21.37	20.00	18.32
546—1590J-BK	5.71	3.74	1.77	15.68	13.06	12.06	11.20
546—1590P1-BK	6.01	3.24	1.81	17.78	14.81	13.99	12.70
546—1590DD-BK	7.38	4.70	1.30	21.26	17.71	16.35	15.18
546—1590D-BK	7.38	4.70	2.05	24.18	20.16	18.60	17.27
546—1590E-BK	7.38	4.70	3.07	25.84	21.53	19.99	18.46
546—1590F-BK	7.38	7.38	2.48	34.76	28.97	27.00	24.83
546—1590R1-BK	7.60	4.40	2.20	26.94	22.45	20.99	19.24

HAMMOND DIECAST ALUMINUM FLANGED LID ENCLOSURES

- Drilled and tapped lid and 6-32 x 1/2" counter sunk Phillips head screws
- Interlocking lid provides complete RF shielding

RoHS Compliant



Note: lid adds .23" to overall height of case

For quantities of 50 and up, call for quote.

Color: Unfinished							
546—1590LBFL	1.99	1.99	1.06	8.34	6.95	6.42	5.96
546—1590AFL	1.52	3.64	1.06	8.10	6.75	6.23	5.78
546—1590GFL	3.90	2.00	.80	8.68	7.24	6.68	6.20
546—1590SFL	3.21	4.35	1.57	12.20	10.17	9.38	8.71
546—1590BFL	2.34	4.39	1.06	9.24	7.70	7.11	6.60
546—1590BBFL	3.68	4.67	1.18	12.02	10.01	9.24	8.58
546—1590DDFL	4.70	7.40	1.30	19.48	16.24	14.99	13.92
546—1590N1FL	2.60	4.77	1.39	11.66	9.71	8.97	8.32
546—1590CFL	3.70	4.72	2.07	13.53	11.27	10.40	9.66
546—1590TFL	3.13	4.74	2.17	12.58	10.48	9.67	8.99
546—1590UFL	4.70	4.70	2.17	18.48	15.40	14.22	13.20
546—1590VFL	4.70	4.70	3.54	25.42	21.18	19.55	18.16
546—1590P1FL	3.24	6.01	1.81	16.52	13.77	12.71	11.80
546—1590DFL	4.70	7.38	2.05	22.14	18.46	17.03	15.81
546—1590EFL	4.70	7.38	3.07	23.68	19.74	18.22	16.92
546—1590FFL	7.38	7.38	2.48	31.84	26.54	24.50	22.75
546—1590R1FL	7.60	4.40	2.20	26.52	22.10	20.40	18.94
Color: Black							
546—1590LBFLBK	1.99	1.99	1.06	11.26	9.38	8.66	8.04
546—1590AFLBK	1.52	3.64	1.06	10.92	9.11	8.40	7.80
546—1590GFLBK	3.90	2.00	0.80	11.28	9.40	8.68	8.06
546—1590SFLBK	3.21	4.35	1.57	16.48	13.74	12.68	11.77
546—1590BFLBK	2.34	4.39	1.06	12.48	10.40	9.60	8.92
546—1590BBFLBK	3.68	4.67	1.18	16.26	13.55	12.51	11.61
546—1590DDFLBK	4.70	7.40	1.30	26.30	21.91	20.23	18.78
546—1590N1FLBK	2.60	4.77	1.39	15.78	13.15	12.14	11.27
546—1590CFLBK	3.70	4.72	2.07	18.26	15.22	14.04	13.04
546—1590TFLBK	3.13	4.74	2.17	17.02	14.19	13.09	12.15
546—1590UFLBK	4.70	4.70	2.17	24.96	20.80	19.20	17.83
546—1590VFLBK	4.70	4.70	3.54	34.34	28.62	26.42	24.52
546—1590P1FLBK	3.24	6.01	1.81	22.32	18.60	17.17	15.94
546—1590DFLBK	4.70	7.38	2.05	29.99	24.99	23.00	21.00
546—1590EFLBK	4.70	7.38	3.07	31.98	26.65	24.60	22.84
546—1590FFLBK	7.38	7.38	2.48	43.00	35.84	33.08	30.72
546—1590R1FLBK	7.60	4.40	2.20	34.48	28.73	26.52	24.63

HAMMOND DIECAST ALUMINUM FLANGED ENCLOSURES

- Lid screws are exposed for easy enclosure access (if you require higher security see the flanged lid version)
- Bottom flanges are aluminum, screwed into the base of the enclosure
- 6-32x1/2" machine screws secure lid into tapped holes

RoHS Compliant

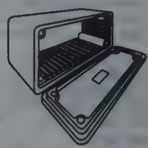
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Dimension: in.			Price Each			
Mfr. Mfr. Part No.	H	W	D	1	5	10	25
Color: Unfinished							
546—1590LBF	1.99	1.99	1.06	11.38	9.49	8.76	8.13
546—1590HF	2.07	1.50	1.06	9.82	8.19	7.56	7.02
546—1590AF	3.64	1.52	1.06	11.04	9.20	8.49	7.88
546—1590GF	3.94	1.97	0.83	11.80	9.84	9.08	8.43
546—1590SF	4.35	3.21	1.57	16.64	13.86	12.80	11.89
546—1590BF	4.39	2.34	1.06	12.60	10.50	9.69	9.00
546—1590BBF	4.67	3.68	1.18	16.38	13.65	12.60	11.70
546—1590UF	4.70	4.70	2.17	25.22	21.01	19.40	18.01
546—1590VF	4.70	4.70	3.54	34.68	28.90	26.68	24.77
546—1590CF	4.72	3.70	2.07	18.44	15.37	14.19	13.17
546—1590TF	4.74	3.13	2.17	17.18	14.31	13.21	12.27
546—1590N1F	4.77	2.60	1.39	18.56	15.47	14.28	13.26
546—1590KF	4.92	4.92	2.95	31.52	26.27	24.24	22.51
546—1590JF	5.71	3.74	1.77	19.40	16.17	14.92	13.86
546—1590P1F	6.01	3.24	1.81	22.54	18.79	17.34	16.10
546—1590DDF	7.40	4.70	1.30	26.58	22.15	20.45	18.99
546—1590DF	7.38	4.70	2.05	30.20	25.17	23.23	21.58
546—1590EF	7.38	4.70	3.07	32.32	26.94	24.86	23.08
546—1590FF	7.38	7.38	2.48	43.44	36.20	33.42	31.03
546—1590R1F	7.55	4.38	2.24	36.16	30.13	27.81	25.83
Color: Black							
546—1590LBFBK	1.99	1.99	1.06	15.34	12.78	11.80	10.96
546—1590HFBK	2.07	1.50	1.06	12.76	10.64	9.82	9.12
546—1590AFBK	3.64	1.52	1.06	14.90	12.42	11.47	10.65
546—1590GFBK	3.94	1.97	0.83	15.32	12.77	11.78	10.94
546—1590SFBK	4.35	3.21	1.57	21.62	18.02	16.63	15.45
546—1590BFBK	4.39	2.34	1.06	17.02	14.19	13.09	12.15
546—1590BBFBK	4.67	3.68	1.18	21.30	17.75	16.38	15.21
546—1590UFBK	4.70	4.70	2.17	30.26	25.22	23.28	21.61
546—1590VFBK	4.70	4.70	3.54	41.60	34.66	32.00	29.71
546—1590CFBK	4.72	3.70	2.07	24.00	20.00	18.46	17.15
546—1590TFBK	4.74	3.13	2.17	22.34	18.62	17.18	15.96
546—1590N1FBK	4.77	2.60	1.39	22.46	18.72	17.28	16.04
546—1590KFBK	4.92	4.92	2.95	40.98	34.15	31.53	29.27
546—1590JFBK	5.71	3.74	1.77	25.22	21.01	19.40	18.01
546—1590P1FBK	6.01	3.24	1.81	30.44	25.36	23.41	21.74
546—1590DDFBK	7.40	4.70	1.30	30.78	25.65	23.68	21.99
546—1590DFBK	7.38	4.70	2.05	36.26	30.22	27.90	25.90
546—1590EFBK	7.38	4.70	3.07	38.76	32.30	30.00	27.69
546—1590FFBK	7.38	7.38	2.48	46.62	38.85	35.86	33.30
546—1590R1FBK	7.55	4.38	2.24	45.64	38.03	35.10	32.60

HAMMOND PC CARD DIECAST ALUMINUM ALLOY BOXES

- Average wall thickness: 2mm (.08")
- Interlocking lid with machine screws, countersunk, and threaded in tapped holes
- Optional PC card adapters available for horizontal mounting of PC cards (part no. 546-1591Z6)
- Available in Gray. Contact a Mouser Service Representative for details.
- Internal slots on 0.2" centers hold .062" thick PC cards or dividers

RoHS Compliant



† This model has six mounting studs/holes

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Dimension: in.			Screw Thread	Price Each			
Mfr. Mfr. Part No.	H	W	D		1	5	10	25
Color: Unfinished								
546—1590L	4.00	2.00	1.00	M3 - 0.5x10mm	8.44	7.04	6.50	6.03
546—1590M	4.40	2.44	1.22	M3 - 0.5x10mm	10.18	8.48	7.83	7.27
546—1590N	4.75	2.56	1.56	6-32 x1/2"	11.46	9.55	8.82	8.19
†546—1590P	6.00	3.15	2.00	6-32 x1/2"	15.02	12.51	11.55	10.72
546—1590R	7.50	4.33	2.38	6-32 x1/2"	23.40	19.50	18.00	16.71
Color: Black								
546—1590LBK	4.00	2.00	1.00	M3 - 0.5x10mm	11.22	9.35	8.63	8.01
546—1590MBK	4.40	2.44	1.22	M3 - 0.5x10mm	12.94	10.79	9.95	9.24
546—1590NBK	4.75	2.56	1.56	6-32 x1/2"	15.99	13.00	12.00	11.00
†546—1590PBK	6.00	3.15	2.00	6-32 x1/2"	17.78	14.81	13.67	12.70
546—1590RBK	7.50	4.33	2.38	6-32 x1/2"	26.18	21.82	20.14	18.70

Replacement Screws

MOUSER STOCK NO.	Screw Thread	Price Per 100-Pack			
Mfr. Mfr. Part No.		1	10	100	250
546—1590MS100	6-32 x1/2"	3.98	3.32	3.00	2.84
546—1591MS100	M3 - 0.5x10mm	4.24	3.54	3.26	3.03

PC Card Adapters

PC adapters allow mounting of PC cards at right angles to the vertical slots molded into Hammond 1591 series plastic boxes and diecast cases 1590L through 1590R.

MOUSER STOCK NO.	Quantity Per Package	Price Per Package			
Mfr. Mfr. Part No.		1	10	100	250
546—1591Z6	6	2.46	2.09	1.94	1.81

HAMMOND Aluminum Watertight Enclosures

HAMMOND MANUFACTURING

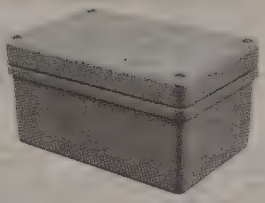
RoHS Compliant This page of product is compliant.

WATERTIGHT THICK WALL DIECAST ALUMINUM ENCLOSURES

- Captive stainless steel lid screws
- Neoprene oil and petrol resistant gasket standard. (-40°C up to +80°C)
- Degree of protection NEMA 4X, IP65, DIN 40050
- Temperature Range (-40°C up to +80°C)
- Single-channel Fastening System. Trouble-free turning 90° to 90° with square enclosures by synchronous arrangement of channels
- Textured polyester powder coat, light gray RAL7032.
- CSA certified, Type 4, for use with industrial control equipment

RoHS Compliant

R100 Series


R110 Series

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr	Mfr. Part No.	L	W	H	1	10	25	50
546	R100-060-000	2.0	2.6	1.6	17.39	16.37	15.86	15.34
546	R100-062-000	2.6	2.6	1.6	20.01	18.83	18.24	17.66
546	R100-064-000	4.0	2.6	1.6	24.07	22.65	21.94	21.23
546	R100-066-000	6.0	2.6	1.6	31.67	29.81	28.87	27.94
546	R100-080-000	3.2	3.2	2.4	29.30	27.58	26.72	25.86
546	R100-082-000	4.8	3.2	2.4	38.36	36.11	34.98	33.85
546	R100-084-000	6.4	3.2	2.4	43.67	41.11	39.82	38.54
546	R100-100-000	4.0	4.0	3.2	44.47	41.86	40.55	39.24
546	R100-102-000	6.0	4.0	3.2	54.37	51.17	49.57	47.97
546	R100-104-000	8.0	4.0	3.2	64.27	60.48	58.59	56.70
546	R100-120-000	4.8	4.8	4.0	67.70	63.72	61.73	59.74
546	R100-122-000	7.2	4.8	4.0	76.71	72.20	69.94	67.68
546	R100-124-000	9.6	4.8	4.0	85.71	80.67	78.15	75.63
546	R100-160-000	6.4	6.4	4.0	88.82	83.60	80.98	78.37
546	R100-162-000	9.6	6.4	4.0	111.54	104.98	101.70	98.42
546	R100-164-000	12.8	6.4	4.0	133.82	125.95	122.02	118.08
546	R100-166-000	19.2	6.4	4.0	207.69	195.48	189.37	183.26
546	R100-200-000	8.0	8.0	4.8	198.87	187.17	181.32	175.47
546	R100-202-000	12.0	8.0	4.8	213.81	201.23	194.94	188.65
546	R100-204-000	16.0	8.0	4.8	311.43	293.11	283.95	274.79
546	R100-240-000	9.6	9.6	4.8	198.62	186.93	181.09	175.25
546	R100-242-000	14.4	9.6	4.8	256.39	241.31	233.77	226.22
546	R100-244-000	19.2	9.6	4.8	394.72	371.50	359.89	348.29
546	R100-320-000	12.8	12.8	4.8	334.11	314.46	304.63	294.81
546	R100-322-000	19.2	12.8	4.8	451.77	425.19	411.91	398.62
546	R100-324-000	25.6	12.8	4.8	544.97	512.92	496.89	480.86

EMI / RFI WATERTIGHT THICK WALL DIECAST ALUMINUM ENCLOSURES

- Captive stainless steel lid screws
- Neoprene oil and petrol resistant gasket standard. (-40°C up to +80°C)
- Temperature Range (-40°C up to +80°C)
- EMI/RFI gasket is NOT required as lid to box connection is inside the gasket seal. A patented system with special designed "teeth" in the enclosure bottom provide a lasting and corrosion secure shield.
- Degree of protection NEMA 4X, IP65, DIN 40050
- Textured polyester powder coat, light gray RAL7032.
- CSA certified, Type 4, for use with industrial control equipment

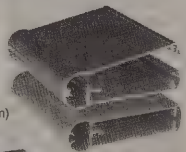
MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr	Mfr. Part No.	L	W	H	1	10	25	50
546	R110-082-000	5.2	3.3	2.7	40.73	38.33	37.13	35.94
546	R110-083-000	7.2	3.3	2.7	43.98	41.40	40.10	38.81
546	R110-121-000	5.0	5.0	3.6	82.18	77.35	74.93	72.51
546	R110-123-000	9.0	5.0	3.6	82.18	77.35	74.93	72.51
546	R110-161-000	6.5	6.5	4.0	94.55	88.99	86.21	83.43
546	R110-162-000	10.5	6.5	4.0	108.18	101.81	98.63	95.45
546	R111-081-000	3.1	3.3	1.8	33.67	31.69	30.70	29.71
546	R111-082-000	5.2	3.3	1.8	37.94	35.71	34.60	33.48
546	R111-083-000	7.2	3.3	1.8	41.58	39.14	37.91	36.69
546	R111-123-000	9.0	5.0	2.4	69.96	65.84	63.79	61.73
546	R111-161-000	6.5	6.5	2.4	84.27	79.32	76.84	74.36
546	R111-162-000	10.5	6.5	2.6	98.59	92.79	89.89	86.99

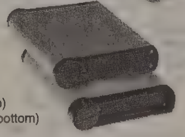
EXTRUDED ALUMINUM CASES FOR MOBILE APPLICATIONS

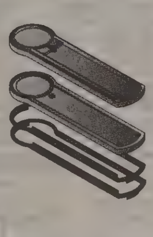
Case:

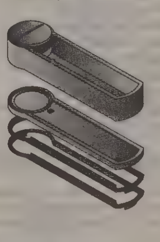
- Sized for standard Eurocards
- P.C. boards mount horizontally by sliding into internal slots extruded into the enclosure body
- Internal height 1.06" (27mm)
- Rugged body constructed from extruded aluminum with diecast aluminum ends
- Silver anodized finish
- Choice of two versions - one piece closed or two piece "clam shell"
  One piece version is rated to IP 65 (with gasketed end plates sold separately)
  Two piece version is rated to IP 54 (with gasketed end plates sold separately)

RoHS Compliant


Two Piece Version - R251 series (top)
One Piece Version - R250 series (bottom)


End Plates Attached
Flat Style End Plates (top)
Collar Style End Plates (bottom)


Flat Style End Plate


Collar Style End Plate

End Plates:

- Choose either Flat or Collar (used for accepting cables or batteries) Style End Plates
- Heavy duty diecast aluminum
- Painted with textured black powder paint (RAL 9005)
- Includes cover plates, thermoplastic black gaskets and mounting hardware

One Piece Version

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	L	W	H	1	10	25	50
546	R250-080-120	4.7	4.7	3.2	40.49	38.11	36.92	35.73
546	R250-080-160	4.7	6.3	3.2	44.97	42.32	41.00	39.68
546	R250-100-160	5.4	6.3	3.9	46.78	44.03	42.66	41.28
546	R250-100-200	5.4	7.9	3.9	51.75	48.70	47.18	45.66
546	R250-130-180	6.6	7.1	5.1	51.75	48.70	47.18	45.66
546	R250-130-240	6.6	9.5	5.1	60.11	56.58	54.81	53.04

Flat End Plate with Gasket (Sold in Pairs)

MOUSER STOCK NO.		Price Per Pair		
Mfr.	Mfr. Part No.	1	10	25
546	R580-080-000	30.58	28.78	27.88
546	R580-080-000	30.58	28.78	27.88
546	R580-100-000	30.84	29.02	28.12
546	R580-100-000	30.84	29.02	28.12
546	R580-130-000	48.11	45.28	43.87
546	R580-130-000	48.11	45.28	43.87

Collar End Plate with Gasket (Sold in Pairs)

MOUSER STOCK NO.		Price Per Pair		
Mfr.	Mfr. Part No.	1	10	25
546	R581-080-000	51.22	48.21	46.70
546	R581-080-000	51.22	48.21	46.70
546	R581-100-000	51.48	48.45	46.93
546	R581-100-000	51.48	48.45	46.93
546	R581-130-000	54.64	51.42	49.82
546	R581-130-000	54.64	51.42	49.82

Two Piece Version

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	L	W	H	1	10	25	50
546	R251-080-120	4.7	4.7	3.2	61.69	58.06	56.25	54.44
546	R251-080-160	4.7	6.3	3.2	71.54	67.33	65.22	63.12
546	R251-100-160	5.4	6.3	3.9	73.82	69.47	67.30	65.13
546	R251-100-200	5.4	7.9	3.9	84.15	79.20	76.72	74.25
546	R251-130-180	6.6	7.1	5.1	85.82	80.77	78.24	75.72
546	R251-130-240	6.6	9.5	5.1	96.93	91.23	88.38	85.53

Flat End Plate with Gasket (Sold in Pairs)

MOUSER STOCK NO.		Price Per Pair		
Mfr.	Mfr. Part No.	1	10	25
546	R580-080-000	30.58	28.78	27.88
546	R580-080-000	30.58	28.78	27.88
546	R580-100-000	30.84	29.02	28.12
546	R580-100-000	30.84	29.02	28.12
546	R580-130-000	48.11	45.28	43.87
546	R580-130-000	48.11	45.28	43.87

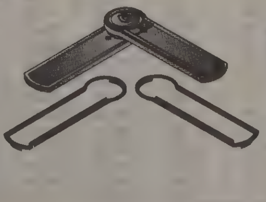
Collar End Plate with Gasket (Sold in Pairs)

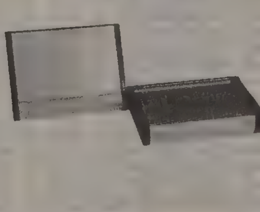
MOUSER STOCK NO.		Price Per Pair		
Mfr.	Mfr. Part No.	1	10	25
546	R581-080-000	51.22	48.21	46.70
546	R581-080-000	51.22	48.21	46.70
546	R581-100-000	51.48	48.45	46.93
546	R581-100-000	51.48	48.45	46.93
546	R581-130-000	54.64	51.42	49.82
546	R581-130-000	54.64	51.42	49.82

VARIABLE END PLATE WITH GASKET

- Heavy duty diecast aluminum
- Painted with textured black powder paint (RAL 9005)
- Includes cover plates, thermoplastic black gaskets and mounting hardware
- Sold in set to connect two extrusions side by side

RoHS Compliant


Variable End Plate

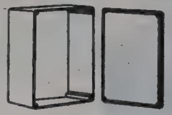

Variable End Plate in Use

MOUSER STOCK NO.		Joins Aluminum Extrusion Series	Price Each			
Mfr	Mfr. Part No.		1	10	25	50
546	R588-080-080	R250-080 or R251-080 to R250-080 or R251-080	71.09	66.91	64.82	62.73
546	R588-080-100	R250-080 or R251-080 to R250-100 or R251-100	71.33	67.14	65.04	62.94
546	R588-080-130	R250-080 or R251-080 to R250-130 or R251-130	71.33	67.14	65.04	62.94
546	R588-100-100	R250-100 or R251-100 to R250-100 or R251-100	71.33	67.14	65.04	62.94
546	R588-100-130	R250-100 or R251-100 to R250-130 or R251-130	71.60	67.39	65.29	63.18
546	R588-130-130	R250-130 or R251-130 to R250-130 or R251-130	72.13	67.89	65.77	63.65

HAMMOND Diecast Aluminum Watertight Enclosures

HAMMOND WATERTIGHT ENCLOSURES

- Lap joint construction with a bead of silicon rubber around the perimeter provides protection against access of dust and water
- Four (or 6 in 1590D, 1590DD, 1590E, 8 in 1590F) 6-32 x 1/2" stainless steel machine screws secure lid into tapped holes
- Designed to meet IP65



RoHS Compliant

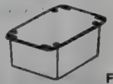
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	H	W	D	1	5	10	25
Color: Unfinished								
546—	1590WLB	1.99	1.99	1.06	8.30	6.92	6.39	5.93
546—	1590WH	2.07	1.50	1.06	7.28	6.07	5.60	5.20
546—	1590WA	3.64	1.52	1.06	8.48	7.06	6.53	6.06
546—	1590WG	3.94	1.97	0.83	7.88	6.56	6.06	5.62
546—	1590WS	4.35	3.21	1.57	12.28	10.23	9.45	8.77
546—	1590WB	4.39	2.34	1.06	9.62	8.01	7.40	6.87
546—	1590WBB	4.67	3.68	1.18	12.18	10.15	9.37	8.70
546—	1590WU	4.70	4.70	2.17	18.28	15.23	14.06	13.06
546—	1590WV	4.70	4.70	3.54	24.56	20.47	18.89	17.54
546—	1590WC	4.72	3.70	2.07	13.46	11.22	10.36	9.62
546—	1590WT	4.74	3.13	2.17	12.62	10.51	9.70	9.01
546—	1590WN1	4.77	2.60	1.39	13.54	11.29	10.42	9.68
546—	1590WK	4.92	4.92	2.95	22.50	18.75	17.31	16.07
546—	1590WJ	5.71	3.74	1.77	14.14	11.78	10.87	10.10
546—	1590WP1	6.01	3.24	1.81	16.54	13.79	12.73	11.82
546—	1590WDD	7.40	4.70	1.30	19.40	16.17	14.92	13.86
546—	1590WD	7.38	4.70	2.05	21.78	18.15	16.75	15.55
546—	1590WE	7.38	4.70	3.07	23.20	19.33	17.84	16.57
546—	1590WF	7.38	7.38	2.48	31.20	26.00	24.00	22.29
546—	1590WR1	7.55	4.38	2.24	26.52	22.10	20.40	18.94
Color: Black								
546—	1590WLBBK	1.99	1.99	1.06	10.95	9.13	8.43	7.82
546—	1590WHBK	2.07	1.50	1.06	9.94	8.28	7.64	7.10
546—	1590WABK	3.64	1.52	1.06	11.08	9.23	8.52	7.91
546—	1590WGBK	3.94	1.97	0.83	10.26	8.55	7.89	7.33
546—	1590WSBK	4.35	3.21	1.57	15.58	12.99	11.99	11.13
546—	1590WBBK	4.39	2.34	1.06	12.56	10.46	9.67	8.98
546—	1590WBBBK	4.67	3.68	1.18	15.46	12.89	11.89	11.05
546—	1590WUBK	4.70	4.70	2.17	21.64	18.04	16.65	15.46
546—	1590WVBK	4.70	4.70	3.54	29.20	24.34	22.47	20.86
546—	1590WCBK	4.72	3.70	2.07	17.18	14.31	13.21	12.27
546—	1590WTBK	4.74	3.13	2.17	16.08	13.40	12.37	11.48
546—	1590WN1BK	4.77	2.60	1.39	17.64	14.70	13.57	12.60
546—	1590WKBK	4.92	4.92	2.95	27.14	22.62	20.88	19.39
546—	1590WJBK	5.71	3.74	1.77	16.92	14.10	13.02	12.09
546—	1590WP1BK	6.01	3.24	1.81	19.32	16.10	14.86	13.80
546—	1590WDDBK	7.40	4.70	1.30	22.96	19.14	17.66	16.40
546—	1590WDBK	7.38	4.70	2.05	25.82	21.51	19.87	18.45
546—	1590WEBK	7.38	4.70	3.07	27.50	22.92	21.15	19.64
546—	1590WFBK	7.38	7.38	2.48	36.92	30.77	28.40	26.37
546—	1590WR1BK	7.55	4.38	2.24	29.64	24.70	22.80	21.17

HAMMOND WATERTIGHT FLANGED LID ENCLOSURES

Flanged lid allows for easy mounting to walls or shelves, and provides added security as the lid screws are hidden against the wall or shelf.

- Designed to meet IP65



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	H	W	D	1	5	10	25
Color: Unfinished								
546—	1590WLBFL	1.99	1.99	1.06	9.06	7.55	6.97	6.47
546—	1590WAFL	3.64	1.52	1.06	9.22	7.68	7.09	6.59
546—	1590WGFL	3.94	1.97	0.83	8.68	7.24	6.68	6.20
546—	1590WSFL	4.35	3.21	1.57	13.38	11.15	10.29	9.56
546—	1590WBFL	4.39	2.34	1.06	10.46	8.72	8.05	7.48
546—	1590WBBFL	4.67	3.68	1.18	13.28	11.07	10.22	9.49
546—	1590WUFL	4.70	4.70	2.17	19.98	16.65	15.37	14.28
546—	1590WVFL	4.70	4.70	3.54	26.86	22.38	20.66	19.19
546—	1590WCFL	4.72	3.70	2.07	14.70	12.25	11.30	10.50
546—	1590WTFL	4.74	3.13	2.17	13.80	11.50	10.62	9.86
546—	1590WN1FL	4.77	2.60	1.39	13.74	11.45	10.57	9.81
546—	1590WP1FL	6.01	3.24	1.81	18.06	15.06	13.89	12.90
546—	1590WDDFL	7.40	4.70	1.30	21.16	17.63	16.27	15.11
546—	1590WDFL	7.38	4.70	2.05	23.80	19.83	18.30	17.00
546—	1590WEFL	7.38	4.70	3.07	25.30	21.08	19.46	18.07
546—	1590WFFL	7.38	7.38	2.48	34.08	28.40	26.21	24.34
546—	1590WR1FL	7.55	4.38	2.24	29.18	24.32	22.45	20.85
Color: Black								
546—	1590WLBFLBK	1.99	1.99	1.06	12.22	10.18	9.40	8.73
546—	1590WAFLBK	3.64	1.52	1.06	12.44	10.37	9.57	8.89
546—	1590WGFLBK	3.94	1.97	0.83	11.28	9.40	8.68	8.06
546—	1590WSFLBK	4.35	3.21	1.57	18.08	15.06	13.90	12.91
546—	1590WBFLBK	4.39	2.34	1.06	14.12	11.76	10.86	10.08
546—	1590WBBFLBK	4.67	3.68	1.18	17.94	14.95	13.80	12.82
546—	1590WUFLBK	4.70	4.70	2.17	26.94	22.45	20.72	19.24
546—	1590WVFLBK	4.70	4.70	3.54	36.28	30.24	27.91	25.92
546—	1590WCFLBK	4.72	3.70	2.07	19.84	16.53	15.26	14.17
546—	1590WTFLBK	4.74	3.13	2.17	18.60	15.50	14.31	13.29
546—	1590WN1FLBK	4.77	2.60	1.39	17.82	14.85	13.71	12.73
546—	1590WP1FLBK	6.01	3.24	1.81	24.36	20.30	18.74	17.40
546—	1590WDDFLBK	7.40	4.70	1.30	28.56	23.80	21.97	20.40
546—	1590WDFLBK	7.38	4.70	2.05	32.14	26.79	24.73	22.96
546—	1590WEFLBK	7.38	4.70	3.07	34.24	28.54	26.34	24.46
546—	1590WFFLBK	7.38	7.38	2.48	46.00	38.34	35.39	32.86
546—	1590WR1FLBK	7.55	4.38	2.24	37.92	31.60	29.17	27.09

HAMMOND WATERTIGHT FLANGED ENCLOSURES

Factory installed flanges into reverse side of lid holes (no internal interference)

- Designed to meet IP65

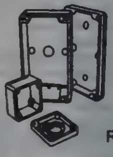
RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	H	W	D	1	5	10	25
Color: Unfinished								
546—	1590WLBF	1.99	1.99	1.06	10.95	9.13	8.43	7.82
546—	1590WHF	2.07	1.50	1.06	10.96	9.13	8.43	7.82
546—	1590WAF	3.64	1.52	1.06	12.16	10.13	9.35	8.68
546—	1590WGF	3.94	1.97	0.83	11.84	9.87	9.11	8.46
546—	1590WSF	4.35	3.21	1.57	17.80	14.83	13.69	12.71
546—	1590WBF	4.39	2.34	1.06	13.84	11.54	10.65	9.89
546—	1590WBBF	4.67	3.68	1.18	17.64	14.70	13.57	12.60
546—	1590WUF	4.70	4.70	2.17	26.68	22.24	20.53	19.06
546—	1590WVF	4.70	4.70	3.54	36.12	30.10	27.78	25.80
546—	1590WCF	4.72	3.70	2.07	19.62	16.35	15.10	14.02
546—	1590WTF	4.74	3.13	2.17	18.36	15.30	14.12	13.11
546—	1590WN1F	4.77	2.60	1.39	20.64	17.20	15.88	14.75
546—	1590WKF	4.92	4.92	2.95	33.76	28.14	25.97	24.12
546—	1590WJF	5.71	3.74	1.77	21.22	17.68	16.32	15.15
546—	1590WP1F	6.01	3.24	1.81	24.06	20.05	18.51	17.19
546—	1590WDDF	7.40	4.70	1.30	28.26	23.56	21.73	20.18
546—	1590WDF	7.38	4.70	2.05	31.84	26.54	24.50	22.75
546—	1590WEF	7.38	4.70	3.07	33.98	28.31	26.14	24.28
546—	1590WFF	7.38	7.38	2.48	45.66	38.05	35.12	32.61
546—	1590WR1F	7.55	4.38	2.24	39.78	33.15	30.60	28.41
Color: Black								
546—	1590WLBFBK	1.99	1.99	1.06	12.10	10.08	9.31	8.64
546—	1590WHFBK	2.07	1.50	1.06	14.22	11.85	10.94	10.16
546—	1590WAFBK	3.64	1.52	1.06	16.04	13.36	12.33	11.45
546—	1590WGFBK	3.94	1.97	0.83	15.36	12.80	11.82	10.97
546—	1590WSFBK	4.35	3.21	1.57	22.80	19.00	17.53	16.28
546—	1590WBFBK	4.39	2.34	1.06	18.24	15.20	14.03	13.03
546—	1590WBBFBK	4.67	3.68	1.18	22.56	18.80	17.36	16.12
546—	1590WUFBK	4.70	4.70	2.17	31.72	26.44	24.40	22.66
546—	1590WVFBK	4.70	4.70	3.54	43.04	35.87	33.11	30.75
546—	1590WCFBK	4.72	3.70	2.07	25.18	20.99	19.36	17.98
546—	1590WTFBK	4.74	3.13	2.17	23.54	19.62	18.11	16.82
546—	1590WN1FBK	4.77	2.60	1.39	24.50	20.42	18.85	17.50
546—	1590WKFBK	4.92	4.92	2.95	43.90	36.58	33.77	31.36
546—	1590WJFBK	5.71	3.74	1.77	27.58	22.98	21.22	19.70
546—	1590WP1FBK	6.01	3.24	1.81	31.96	26.63	24.58	22.83
546—	1590WDDFBK	7.40	4.70	1.30	32.46	27.05	24.97	23.18
546—	1590WDFBK	7.38	4.70	2.05	37.90	31.59	29.16	27.07
546—	1590WEFBK	7.38	4.70	3.07	40.44	33.70	31.11	28.89
546—	1590WFFBK	7.38	7.38	2.48	60.86	50.72	46.82	43.47
546—	1590WR1FBK	7.55	4.38	2.24	47.64	39.71	36.64	34.02

HAMMOND WATERTIGHT, HEAVY DUTY ENCLOSURES

- Two piece "tongue & groove" construction with a one piece silicon rubber gasket provides protection against access of dust and water
- Easy to wall mount using "through box - blind hole" construction, outside of gasket protection
- Screws are self captivating using either individual neoprene "O" rings (outside the lid gasket seal) or using screw captivating lid.
- Designed to meet IP 65
- Available in Gray. Contact a Mouser Service Representative for details



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.			Price Each			
Mfr.	Mfr. Part No.	H	W	D	1	5	10	25
Color: Unfinished, With Mounting Shelf								
546—	1590Z100	2.94	3.14	1.57	19.04	16.11	14.96	13.96
546—	1590Z119	4.80	4.72	2.36	41.92	35.47	32.93	30.73
546—	1590Z120	4.90	3.15	1.75	23.09	19.54	18.15	16.93
546—	1590Z160	6.30	6.30	2.76	55.58	47.03	43.68	40.76
546—	1590Z231	7.88	9.05	3.63	121.88	103.13	95.75	89.37
546—	1590Z150	8.70	4.76	2.39	50.26	42.53	39.50	36.86
546—	1590Z162	10.24	6.25	2.75	75.47	63.85	59.29	55.34
Color: Black, With Mounting Shelf								
546—	1590Z100BK	2.94	3.14	1.57	23.31	19.73	18.32	17.09
546—	1590Z119BK	4.80	4.72	2.36	46.19	39.08	36.28	33.86
546—	1590Z120BK	4.90	3.15	1.75	27.36	23.16	21.50	20.06
546—	1590Z160BK	6.30	6.30	2.76	59.88	50.67	47.04	43.91
546—	1590Z231BK	7.88	9.05	3.63	126.15	106.74	99.11	92.51
546—	1590Z150BK	8.70	4.76	2.39	54.53	46.13	42.85	39.99
546—	1590Z162BK	10.24	6.25	2.75	79.74	67.48	62.66	58.48
Color: Unfinished, Without Mounting Shelf								
546—	1590Z060	1.98	1.77	0.95	9.64	8.16	7.57	7.07
546—	1590Z061	2.51	2.29	1.03	13.04	11.03	10.24	9.56
546—	1590Z110	2.94	3.14	1.57	19.04	16.11	14.96	13.96
546—	1590Z062	3.86	2.52	1.03	15.40	13.03	12.10	11.30
546—	1590Z063	5.89	2.51	1.03	22.45	18.99	17.64	16.47
546—	1590Z130	6.91	3.15	1.65	27.37	23.16	21.51	20.07
546—	1590Z135	6.91	3.15	1.65	27.80	23.52	21.85	20.38
Color: Black, Without Mounting Shelf								
546—	1590Z060BK	1.98	1.77	0.95	13.90	11.77	10.93	10.20
546—	1590Z061BK	2.51	2.29	1.03	17.31	14.65	13.60	12.70
546—	1590Z110BK	2.94	3.14	1.57	23.31	19.73	18.32	17.09
546—	1590Z062BK	3.86	2.52	1.03	19.67	16.65	15.46	14.42
546—	1590Z063BK	5.89	2.51	1.03	26.73	22.61	21.00	19.60
546—	1590Z130BK	6.91	3.15	1.65	31.64	26.77	24.86	23.20
546—	1590Z135BK	6.91	3.15	1.65	32.08	27.14	25.20	23.52

HAMMOND NEMA Enclosures

HAMMOND MANUFACTURING

NEMA 1 PANEL ENCLOSURES

"Shipped Factory Direct"

Designed for indoor use to house controls, instruments and components not requiring oil-tight or dust-tight protection.

- Enclosure is formed and spot welded from 14 gauge steel.
- Removable 12 or 14 gauge inner panel is mounted in the rear of the enclosure on collar studs.
- A bonding stud is provided on the door and a grounding stud is provided in the box.
- Mounting holes are provided in the rear of the enclosure.

Other sizes available. Contact a Mouser Service Representative.

For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Panel Dimensions: in.		Price Each			
			H	W	D	H	W	1	2	5	10
546-N1A16127	N1A16127	A	16.00	12.00	7.00	13.00	10.50	147.77	125.03	116.10	108.36
546-N1A16167	N1A16167	A	16.00	16.00	7.00	13.00	14.50	166.95	141.26	131.17	122.43
546-N1A16207	N1A16207	A	16.00	20.00	7.00	13.00	18.50	186.20	157.56	146.30	136.55
546-N1A20167	N1A20167	A	20.00	16.00	7.00	17.00	14.50	186.20	157.56	146.30	136.55
546-N1A24167	N1A24167	A	24.00	16.00	7.00	21.00	14.50	205.54	173.92	161.50	150.73
546-N1A24207	N1A24207	A	24.00	20.00	7.00	21.00	18.50	231.85	196.19	182.17	170.03
546-N1A24247	N1A24247	A	24.00	24.00	7.00	21.00	22.50	258.56	218.78	203.16	189.61
546-N1A16129	N1A16129	A	16.00	12.00	9.00	13.00	10.50	159.62	135.06	125.42	117.05
546-N1A20209	N1A20209	A	20.00	20.00	9.00	17.00	18.50	226.59	191.72	178.03	166.16
546-N1A20249	N1A20249	A	20.00	24.00	9.00	17.00	22.50	250.12	211.64	196.52	183.43
546-N1A24209	N1A24209	A	24.00	20.00	9.00	21.00	18.50	251.01	212.40	197.23	184.08
546-N1A24249	N1A24249	A	24.00	24.00	9.00	21.00	22.50	279.55	236.53	219.64	205.00
546-N1A242012	N1A242012	A	24.00	20.00	12.00	21.00	18.50	270.40	228.80	212.46	198.29

NEMA 4, 12 ECLIPSE SINGLE DOOR SERIES

"Shipped Factory Direct"

Designed to enclose electrical and/or electronic equipment and protect against harsh, industrial environments for wallmount applications.

- Formed from 14 or 16 gauge steel.
- Smooth, continuously welded seams ground smooth.
- Oil resistant gaskets are permanently secured.
- Collar studs provided for mounting inner panel (ordered separately).
- Includes hardware kit with panel mounting nuts and sealing washers for wall mounting holes.
- Bonding stud provided on door and grounding stud installed in enclosure.

Other sizes available. Contact a Mouser Service Representative.

For quantities greater than 10, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			H	W	D	1	2	5	10
546-EN4SD12126GY	EN4SD12126GY	B	12.00	12.00	6.00	189.10	160.01	148.59	138.68
546-EN4SD16206GY	EN4SD16206GY	B	16.00	20.00	6.00	239.68	202.80	188.32	175.76
546-EN4SD20166GY	EN4SD20166GY	B	20.00	16.00	6.00	233.05	197.19	183.11	170.91
546-EN4SD16128GY	EN4SD16128GY	B	16.00	12.00	8.00	211.62	179.06	166.28	155.19
546-EN4SD16208GY	EN4SD16208GY	B	16.00	20.00	8.00	252.81	213.92	198.65	185.40
546-EN4SD24168GY	EN4SD24168GY	B	24.00	16.00	8.00	262.64	222.23	206.36	192.60
546-EN4SD24248GY	EN4SD24248GY	B	24.00	24.00	8.00	308.02	260.63	242.02	225.88
546-EN4SD24308GY	EN4SD24308GY	B	24.00	30.00	8.00	342.02	289.40	268.73	250.81
546-EN4SD242412GY	EN4SD242412GY	B	24.00	24.00	12.00	342.02	289.40	268.73	250.81
546-EN4SD242420GY	EN4SD242420GY	B	24.00	24.00	20.00	421.40	356.57	331.10	309.03
Optional Panels for Eclipse Enclosures									
546-EP1612	EP1612	C	14.20	10.20	- - -	11.89	10.06	9.34	8.72
546-EP1620	EP1620	C	14.20	18.20	- - -	35.36	29.92	27.79	25.93
546-EP2016	EP2016	C	18.20	14.20	- - -	35.36	29.92	27.79	25.93
546-EP2420	EP2420	C	22.20	18.20	- - -	54.18	45.84	42.57	39.73
546-EP2424	EP2424	C	22.20	22.20	- - -	62.82	53.15	49.36	46.06
546-EP2430	EP2430	C	22.20	28.20	- - -	75.80	64.14	59.56	55.59

NEMA 12, 13, 4 JIC ENCLOSURES CONTINUOUS HINGE, CLAMP COVER

"Shipped Factory Direct"

Provides protection where equipment may be hosed down or otherwise be very wet, or in outdoor applications for full weather protection.

Specifications:

- Body formed from 16 or 14 gauge steel.
- Covers are formed from 14 gauge steel.
- Cover is secured with stainless steel clamps and screws.
- A grounding stud is provided in the enclosure and a bonding stud is provided on the door.

Finish:

- Cover and enclosure are phosphatized, primed and finished in recoatable smooth ANSI/ASA 61 Gray Powder Coating.
- Removable inner panel is finished in White Powder Coating.

Applications:

- Instrument enclosures
- Electrical junction boxes
- Terminal wiring enclosures

Other sizes available. Contact a Mouser Service Representative.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Panel Dimensions: in.		Price Each			
			H	W	D	H	W	1	2	5	10
546-1414N4PHE	1414N4PHE	D	6.00	6.00	4.00	4.88	4.88	74.12	62.73	58.24	54.36
546-1414N4PHI	1414N4PHI	D	10.00	8.00	4.00	8.75	6.88	98.68	83.49	77.52	72.36
546-1414N4PHI6	1414N4PHI6	D	10.00	8.00	6.00	8.75	6.88	113.80	96.29	89.42	83.46
546-1414N4PHK	1414N4PHK	D	12.00	10.00	5.00	10.75	8.88	126.87	107.36	99.68	93.04
546-1414N4PHL6	1414N4PHL6	D	12.00	12.00	6.00	10.75	10.88	134.60	113.90	105.75	98.71
546-1414N4PHO6	1414N4PHO6	D	16.00	14.00	6.00	14.75	12.88	190.34	161.07	149.56	139.59
546-1414N4PHO10	1414N4PHO10	D	16.00	14.00	10.00	14.75	12.88	227.69	192.66	178.90	166.98

NEMA 12, 13 JIC ENCLOSURES LIFT OFF, SCREW COVER

"Shipped Factory Direct"

Provides a degree of protection from falling dirt, dust, oil, and water.

Specifications:

- Body formed from 16 or 14 gauge steel.
- Covers are formed from 14 gauge steel.
- Cover is secured with captive, plated steel screws, threaded into sealed wells.
- A grounding stud is provided in the enclosure.

Finish:

- Cover and enclosure are phosphatized, primed and finished in recoatable smooth ANSI/ASA 61 Gray Powder Coating.
- Removable inner panel is finished in White Powder Coating.

Applications:

- Instrument enclosures
- Electrical junction boxes
- Terminal wiring enclosures

Other sizes available. Contact a Mouser Service Representative.

For quantities of 25 and up, call for quote.

546-1414SCE	1414SCE	E	6.00	6.00	4.00	4.87	4.87	55.58	47.03	43.67	40.76
546-1414SCI	1414SCI	E	10.00	8.00	4.00	8.75	6.87	74.40	62.95	58.46	54.56
546-1414SCK	1414SCK	E	12.00	10.00	5.00	10.75	8.87	98.12	83.03	77.10	71.96
546-1414SCM8	1414SCM8	E	14.00	12.00	8.00	12.75	10.87	171.37	144.99	134.64	125.66
546-1414SCO10	1414SCO10	E	16.00	14.00	10.00	14.75	12.87	233.42	197.51	183.40	171.17

NEMA 4X STAINLESS STEEL JIC ENCLOSURES

"Shipped Factory Direct"

Provides protection where equipment may be hosed down or otherwise be very wet, or in specific applications where corrosion may be a problem.

Specifications:

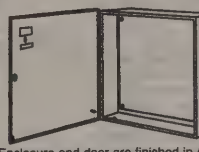
- Body formed from 14 gauge Type 304 stainless steel.
- Continuous hinged cover is secured with stainless steel clamps and screws.
- A bonding stud is provided on the door and a grounding stud is provided in the enclosure.

Finish:

- Cover and enclosure are natural stainless steel with a smooth brushed finish.
- Removable inner panel is finished in White Powder Coating.

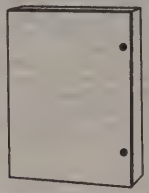
546-1414N4PHSSE	1414N4PHSSE	F	6.00	6.00	4.00	4.88	4.88	203.55	172.23	159.93	149.26
546-1414N4PHSSG4	1414N4PHSSG4	F	8.00	6.00	4.00	6.75	4.88	232.52	196.75	182.70	170.52
546-1414N4PHSSI	1414N4PHSSI	F	10.00	8.00	4.00	8.75	6.88	286.57	242.48	225.16	210.15
546-1414N4PHSSL6	1414N4PHSSL6	F	12.00	12.00	6.00	10.75	10.88	443.16	374.98	348.20	324.99
546-1414N4PHSSM6	1414N4PHSSM6	F	14.00	12.00	6.00	12.75	10.88	498.50	421.81	391.69	365.57
546-1414N4PHSSM8	1414N4PHSSM8	F	14.00	12.00	8.00	12.75	10.88	518.21	438.47	407.15	380.01
546-1414N4PHSSO10	1414N4PHSSO10	F	16.00	14.00	10.00	14.75	12.88	646.71	547.21	508.13	474.25

A



- Enclosure and door are finished in ANSI/ASA 61 Gray Powder Coating.
- Inner panel is finished in White Powder Coating.
- UL 50 Type 1
- CSA Type 1
- Complies with: NEMA Type 1, IEC 529, IP30

B

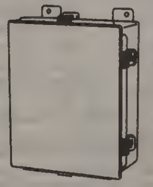


- Cover and enclosure are finished in recoatable smooth ANSI/ASA 61 Gray Powder Coating.
- UL 508 Type 3R, 4, 12, and 13
- CSA Type 3R, 4, 12, and 13
- Complies with: NEMA Type 3R, 4, 12, and 13 IEC 529, IP65

C

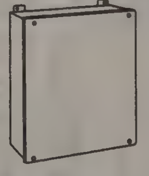
- Larger than standard NEMA panel used in same size enclosure.
- 12 or 14 gauge steel construction.
- Slotted corner designed for easier mounting.
- Finished in White.

D



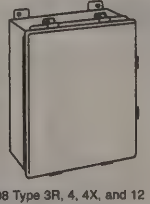
- UL 508 Type 3R, 4, 12 and 13
- CSA Type 3R, 4, 12, and 13
- Complies with: NEMA Type 3R, 4, 12, and 13 JIC EGP-1-1967 (unless marked) IEC 529, IP66

E



- UL 508 Type 12 and 13
- CSA Type 12, and 13
- Complies with: NEMA Type 12, and 13 JIC EGP-1-1967 (unless marked) IEC 529, IP65

F

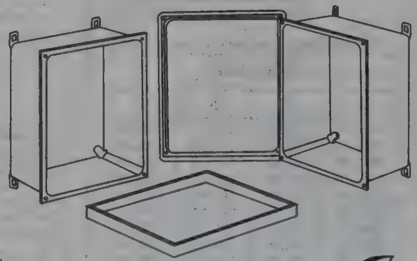


- UL 508 Type 3R, 4, 4X, and 12
- CSA Type 3R, 4, 4X, and 12
- Complies with: NEMA Type 3R, 4, 4X, and 12 JIC EGP-1-1967 IEC 529, IP66

HAMMOND NEMA Enclosures

HAMMOND MANUFACTURING.

PJ SERIES NEMA 4X POLYESTER MODULAR ENCLOSURES



- Designed for use as instrument enclosures, electric or pneumatic control housings, electrical junction boxes or terminal wiring enclosures.
- Provides outstanding insulation and protection where equipment may be hosed down or be very wet.
- Ideal in applications with high temperature or highly corrosive environments.
- Gray molded fiberglass polyester enclosure with matching cover is easily punched, cut or drilled.
- 10-32 threaded brass inserts are provided for optional inner panel or terminal kit mounting. Mounting hardware included.
- Captive oil resistant gasket provides a positive seal.
- Operating temperature between 130°C and -40°C (266°F to -40°F)
- UL 508 Type 1, 2, 3, 4, 4X, 12 and 13.
- CSA Type 1, 2, 3, 4, 4X, 12 and 13
- Complies with NEMA Type 1, 2, 3, 4, 4X, 12 and 13
- IEC 529, IP66

RoHS Compliant

Lift Off Cover

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.			Panel Size: in.		Price Each		
Mfr.	Mfr. Part No.	H	W	D	H	W	1	2	5
546—PJ664		6.10	6.10	4.18	4.88	4.88	47.03	39.80	36.96
546—PJ864		8.00	6.12	4.13	6.75	4.88	49.69	42.04	39.04
546—PJ1086		10.13	8.26	6.13	8.75	6.88	54.45	46.08	42.79
546—PJ12106		12.13	10.26	6.13	10.75	8.88	68.76	58.19	54.03
546—PJ14126		14.13	12.26	6.13	12.75	10.88	79.50	67.26	62.46
546—PJ16148		16.27	14.40	8.13	14.75	12.88	93.53	79.14	73.49
546—PJ18168		18.40	16.40	8.13	16.88	14.88	142.26	120.37	111.77
546—PJ20168		20.00	16.00	8.13	18.44	14.44	235.91	199.62	185.35

Hinged Cover

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.			Panel Size (In.)		Price Each		
Mfr.	Mfr. Part No.	H	W	D	H	W	1	2	5
546—PJ664H		6.10	6.10	4.18	4.88	4.88	51.71	43.75	40.63
546—PJ864H		8.00	6.12	4.13	6.75	4.88	54.34	45.98	42.70
546—PJ1086H		10.13	8.26	6.13	8.75	6.88	60.04	50.80	47.17
546—PJ12106H		12.13	10.26	6.13	10.75	8.88	74.36	62.92	58.43
546—PJ14126H		14.13	12.26	6.13	12.75	10.88	85.08	71.99	66.85
546—PJ16148H		16.27	14.40	8.13	14.75	12.88	99.11	83.87	77.87
546—PJ18168H		18.40	16.40	8.13	16.88	14.88	147.29	124.63	115.73
546—PJ20168H		20.00	16.00	8.13	18.44	14.44	242.27	205.00	190.36

PJ SERIES INNER PANELS

- 14 gauge steel panels are finished in White Baked Powder Coating.
- Aluminum panels are 0.080" (2.03 mm) type 5052 H-32 aluminum unpainted. A2420 and larger panels are .125".
- Hardware to mount inner panel is included with PJ Series Enclosures.

RoHS Compliant

Steel

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.		For use with PJ Series		Price Each		
Mfr.	Mfr. Part No.	L	W	H	W	1	2	5
546—14R0505		4.88	4.88	6.10	6.10	4.25	3.60	3.34
546—14R0705		6.75	4.88	8.00	6.13	4.89	4.13	3.85
546—14R0907		8.75	6.88	10.14	8.26	6.68	5.65	5.24
546—14R1109		10.75	8.88	12.14	10.26	9.01	7.63	7.08
546—14R1311		12.75	10.88	14.13	12.25	11.80	9.98	9.28
546—14R1513		14.75	12.88	16.28	14.40	15.62	13.22	12.27
546—P1868		16.88	14.88	18.40	16.40	29.99	25.37	23.56
546—P2068		18.44	14.44	20.00	16.00	33.43	28.30	26.28
546—18P2117		21.00	17.00	24.00	20.00	52.39	44.33	41.18
546—18P2121		21.00	21.00	24.00	24.00	60.22	50.95	47.32
546—18P2721		27.00	21.00	30.00	24.00	72.96	61.74	57.33

Aluminum

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.		For use with PJ Series		Price Each		
Mfr.	Mfr. Part No.	L	W	H	W	1	2	5
546—14A0505		4.88	4.88	6.10	6.10	4.05	3.90	3.74
546—14A0705		6.75	4.88	8.00	6.13	4.65	4.47	4.29
546—14A0907		8.75	6.88	10.14	8.26	6.33	6.09	5.85
546—14A1109		10.75	8.88	12.14	10.26	8.58	8.26	7.93
546—14A1311		12.75	10.88	14.13	12.25	11.21	10.79	10.35
546—14A1513		14.75	12.88	16.28	14.40	14.85	14.28	13.71
546—A1868		16.88	14.88	18.40	16.40	28.50	27.41	26.31
546—A2068		18.44	14.44	20.00	16.00	31.78	30.56	29.34
546—A2420		21.00	17.00	24.00	20.00	35.09	33.74	32.38
546—A2424		21.00	21.00	24.00	24.00	38.38	36.91	35.43
546—A3024		27.00	21.00	30.00	24.00	41.67	40.06	38.46

HEAVY DUTY NEMA TYPE 12 ENCLOSURE WITH PANEL

"Shipped Factory Direct"

- 14 gauge steel body and door
- 12 gauge steel inner panel included
- Continuously welded seams, formed lip on door and enclosure to exclude flowing liquids
- Continuously hinged door, secured with stainless steel clamps, may be removed by pulling the hinge pin
- Bonding stud on door and grounding stud in enclosure
- Welded wall mounting brackets
- Permanently secured oil resistant gasket with retainers
- Padlock hasp and literature pocket
- Exterior finished in recoatable ANSI/ASA 61 Gray Powder Coating. Interior and panel are finished in a White Powder Coating.
- UL Listing and CSA Certified

RoHS Compliant

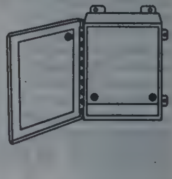
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Dimensions: in.			Panel Size: in.		Price Each		
Mfr.	Mfr. Part No.	H	W	D	H	W	1	2	5
546—1418B6		16	12	6	13	9	260.31	220.26	204.53
546—1418C6		20	16	6	17	13	307.49	260.18	241.60
546—1418D6		20	20	6	17	17	335.98	284.29	263.99
546—1418B8		16	12	8	13	9	272.02	230.17	213.73
546—1418C8		20	16	8	17	13	322.54	272.92	253.43
546—1418D8		20	20	8	17	17	352.62	298.37	277.06
546—1418E8		24	20	8	21	17	387.88	328.20	304.75
546—1418H8		24	16	8	21	13	347.82	294.31	273.28
546—1418J8		24	24	8	21	21	422.23	357.27	331.76
546—1418K8		30	24	8	27	21	474.82	401.76	373.08
546—1418E10		24	20	10	21	17	406.20	343.70	319.16
546—1418J10		24	24	10	21	21	442.24	374.20	347.47
546—1418K10		30	24	10	27	21	497.56	421.01	390.94

NEMA TYPE 12 HINGED COVER ENCLOSURES

- 16 gauge or 14 gauge steel bodies. Covers are formed from 14 gauge steel.
- 14 gauge steel inner panel included on models larger than 4" x 4"
- Continuously welded seams and welded wall mounting brackets
- Permanently secured oil resistant gasket
- Bonding stud on door and grounding stud in enclosure
- Continuously hinged cover secured with stainless steel clamps and plated screws
- Cover and enclosure phosphatized and finished in ANSI/ASA 61 Gray Recoatable Powder Coating
- Inner panel finished in White Powder Coating
- UL 508 Type 12 and CSA Type 12

RoHS Compliant



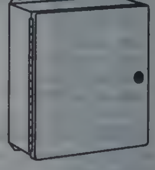
For quantities of 10 and up, call for quote.

546—1414PHA	4.00	4.00	3.00	- - -	- - -	38.20	32.32	30.01
546—1414PHC	6.00	4.00	3.00	4.87	2.87	47.33	40.05	37.18
546—1414PHG	8.00	6.00	3.50	6.75	4.88	57.56	48.71	45.23
546—1414PHRG	6.00	8.00	3.50	4.88	6.75	57.56	48.71	45.23
546—1414PHA4	4.00	4.00	4.00	- - -	- - -	39.85	33.72	31.31
546—1414PHC4	6.00	4.00	4.00	4.88	2.88	49.78	42.13	39.11
546—1414PHE	6.00	6.00	4.00	4.87	4.87	53.81	45.54	42.28
546—1414PHKC4	12.00	6.00	4.00	10.75	4.88	71.43	60.45	56.13
546—1414PHH4	8.00	8.00	4.00	6.75	6.88	65.48	55.39	51.45
546—1414PHI	10.00	8.00	4.00	8.75	6.88	71.98	60.91	56.55
546—1414PHRI	8.00	10.00	4.00	6.88	8.75	71.34	60.37	56.06
546—1414PHK	12.00	10.00	5.00	10.75	8.88	92.58	78.33	72.74
546—1414PHRK	10.00	12.00	5.00	8.88	10.75	91.74	77.63	72.08
546—1414PHG6	8.00	6.00	6.00	6.75	4.88	67.32	56.97	52.90
546—1414PHI6	10.00	8.00	6.00	8.75	6.88	80.30	67.96	63.10
546—1414PHMH6	14.00	8.00	6.00	12.75	6.88	98.07	82.98	77.06
546—1414PHJ6	10.00	10.00	6.00	8.75	8.88	89.09	75.38	70.00
546—1414PHN6	16.00	10.00	6.00	14.75	8.88	118.29	100.10	92.94
546—1414PHL6	12.00	12.00	6.00	10.75	10.88	107.92	91.32	84.80
546—1414PHM6	14.00	12.00	6.00	12.87	10.87	117.40	99.34	92.24
546—1414PHRM6	12.00	14.00	6.00	10.88	12.75	116.42	98.50	91.48
546—1414PHO6	16.00	14.00	6.00	14.87	12.87	140.09	118.54	110.07
546—1414PHRO6	14.00	16.00	6.00	12.88	14.75	138.87	117.51	109.11
546—1414PHK8	12.00	10.00	8.00	10.75	8.88	110.91	93.85	87.14
546—1414PHM8	14.00	12.00	8.00	12.87	10.87	132.92	112.48	104.45
546—1414PHO8	16.00	14.00	8.00	14.75	12.88	153.70	130.05	120.76
546—1414PHO10	16.00	14.00	10.00	14.87	12.87	172.25	145.76	135.34

NEMA TYPE 12, 13, AND 4 ENCLOSURE WITH PANEL

- 16 gauge steel body and door
- Unpainted galvanized steel inner panel included
- Continuously welded seams, formed lip on door and enclosure to exclude flowing liquids
- Continuously hinged door has 304 stainless steel hinges and provides 180° opening
- Bonding stud on door and grounding stud in enclosure
- 14 gauge welded wall mounting brackets
- Permanently secured oil resistant gasket with retainers
- Door features quarter turn latch formed from Black Zinc diecast
- Cover and enclosure are finished in recoatable ANSI/ASA 61 Gray Powder Coating
- UL 508 Type 3R, 4, 12 and 13; CSA Type 3R, 4, 12 and 13

RoHS Compliant

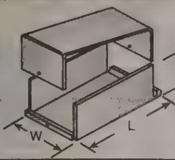


For quantities of 10 and up, call for quote.

546—EJ643	6.00	4.00	3.00	4.88	2.88	44.72	37.85	35.15
546—EJ664	6.00	6.00	4.00	4.88	4.88	50.87	43.04	39.97
546—EJ863	8.00	6.00	3.50	6.75	4.88	54.38	46.01	42.72
546—EJ1084	10.00	8.00	4.00	8.75	6.88	67.77	57.34	53.24
546—EJ1086	10.00	8.00	6.00	8.75	6.88	75.89	64.22	59.63
546—EJ12105	12.00	10.00	5.00	10.75	8.88	87.18	73.77	68.50
546—EJ12126	12.00	12.00	6.00	10.75	10.88	96.90	82.01	76.15
546—EJ14126	14.00	12.00	6.00	12.75	10.88	110.13	93.18	86.52
546—EJ16146	16.00	14.00	6.00	14.75	12.88	130.82	110.69	102.78

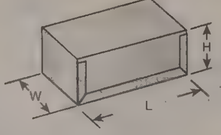
A

RoHS Compliant



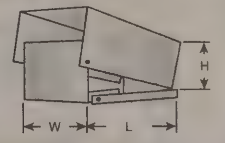
B

RoHS Compliant



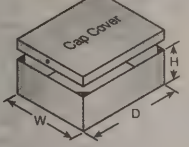
C

RoHS Compliant



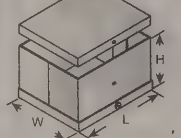
D

RoHS Compliant

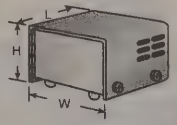


E

RoHS Compliant



F



CHASSIS

Interlocking Boxes

- Hammertone Grey

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	10	50	100
537-M00-P	M00-P	A	2.25	1.50	1.38	3.99	3.60	3.48	3.36
537-00Z-P	00Z-P	A	2.31	2.13	1.75	4.43	3.99	3.86	3.73
537-000-P	000-P	A	3.25	2.13	1.63	6.03	5.43	5.25	5.07
537-00-P	00-P	A	4.00	2.13	1.63	6.26	5.63	5.45	5.26
537-101-P	101-P	A	4.25	2.25	1.25	6.26	5.63	5.43	5.25
537-108-P	108-P	A	5.00	2.25	2.25	8.73	7.85	7.59	7.33
537-135-P	135-P	A	3.75	3.00	2.13	8.75	7.88	7.61	7.35
537-136-P	136-P	A	5.25	3.00	2.13	10.11	9.10	8.79	8.48
537-138-P	138-P	A	6.25	3.50	2.13	12.63	11.37	10.99	10.62
537-139-P	139-P	A	5.50	3.00	1.25	9.35	8.42	8.14	7.85
537-141-P	141-P	A	6.00	4.00	3.00	15.61	14.05	13.57	13.10
537-142-P	142-P	A	6.00	4.00	5.00	18.96	17.06	16.49	15.93
537-146-P	146-P	A	8.00	6.00	4.50	27.51	24.77	23.94	23.11

Tite-Fit Box Chassis

For quantities of 500 and up, call for quote.

Painted Gray (screws included)									
537-TF-773-P	TF-773-P	B	3.50	2.13	1.63	6.45	5.81	5.61	5.42
537-TF-776-P	TF-776-P	B	4.00	2.00	2.75	7.93	7.15	6.91	6.67
537-TF-779-P	TF-779-P	B	5.00	4.00	3.00	11.53	10.38	10.03	9.69
537-TF-780-P	TF-780-P	B	5.25	3.00	2.13	10.18	9.16	8.86	8.55
537-TF-781-P	TF-781-P	B	6.00	5.00	4.00	15.68	14.11	13.64	13.17
537-TF-782-P	TF-782-P	B	7.00	5.00	3.00	16.92	15.24	14.72	14.21
537-TF-784-P	TF-784-P	B	10.00	6.00	3.50	22.63	20.36	19.68	19.01
537-TF-787-P	TF-787-P	B	12.00	7.00	4.00	31.19	28.07	27.13	26.19
Unpainted (screws included)									
537-TF-770	TF-770	B	2.75	2.13	1.63	4.32	3.89	3.76	3.63
537-TF-772	TF-772	B	3.25	2.13	1.13	4.32	3.89	3.76	3.63
537-TF-775	TF-775	B	4.00	2.25	2.25	5.87	5.28	5.10	4.93
537-TF-777	TF-777	B	4.25	2.25	1.50	4.87	4.39	4.25	4.09
537-TF-778	TF-778	B	5.00	2.25	2.25	6.30	5.68	5.49	5.30
537-TF-779	TF-779	B	5.00	4.00	3.00	8.80	7.92	7.66	7.39
537-TF-780	TF-780	B	5.25	3.00	2.13	6.94	6.26	6.05	5.84
537-TF-781	TF-781	B	6.00	5.00	4.00	12.30	11.08	10.70	10.33
537-TF-782	TF-782	B	7.00	5.00	3.00	12.45	11.21	10.84	10.46
537-TF-783	TF-783	B	8.00	6.00	3.50	15.15	13.63	13.18	12.72
537-TF-784	TF-784	B	10.00	6.00	3.50	17.92	16.13	15.59	15.05
537-TF-787	TF-787	B	12.00	7.00	4.00	24.89	22.41	21.66	20.91

Jiffy Box Chassis

- Unpainted, snap together

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	10	50	100
537-J-870	J-870	B	2.75	2.13	1.63	4.32	3.89	3.76	3.63
537-J-871	J-871	B	2.75	2.13	2.75	4.87	4.39	4.25	4.09
537-J-872	J-872	B	3.25	2.13	1.13	4.32	3.89	3.76	3.63
537-J-873	J-873	B	3.50	2.13	1.63	4.64	4.18	4.04	3.89
537-J-875	J-875	B	4.00	2.25	2.25	5.87	5.28	5.10	4.93
537-J-877	J-877	B	4.25	2.25	1.50	4.87	4.39	4.25	4.09
537-J-879	J-879	B	5.00	4.00	3.00	8.80	7.92	7.66	7.39
537-J-880	J-880	B	5.25	3.00	2.13	6.94	6.26	6.05	5.84
537-J-881	J-881	B	6.00	5.00	4.00	12.30	11.08	10.70	10.33
537-J-882	J-882	B	7.00	5.00	3.00	12.45	11.21	10.84	10.46
537-J-884	J-884	B	10.00	6.00	3.50	17.92	16.13	15.59	15.05

Crown Royal (C-R) Series

- Light blue top, gray bottom

For quantities of 500 and up, call for quote.

537-CR-321	CR-321-P	C	3.25	2.13	1.63	8.44	7.59	7.34	7.08
537-CR-332	CR-332-P	C	3.75	3.00	2.13	10.73	9.66	9.33	9.01
537-CR-400	CR-400-P	C	4.00	2.00	2.75	10.31	9.27	8.97	8.66
537-CR-421	CR-421-P	C	4.00	2.13	1.63	8.67	7.81	7.55	7.28
537-CR-422	CR-422-P	C	4.00	2.25	2.25	10.09	9.08	8.78	8.47
537-CR-425	CR-425-P	C	4.25	2.25	1.25	8.62	7.76	7.50	7.24
537-CR-442	CR-442-P	C	4.00	4.00	2.00	11.17	10.05	9.71	9.38
537-CR-531	CR-531-P	C	5.50	3.00	1.25	11.33	10.20	9.86	9.52
537-CR-532	CR-532-P	C	5.25	3.00	2.13	11.76	10.58	10.22	9.87
537-CR-632	CR-632-P	C	6.25	3.50	2.13	14.40	12.96	12.52	12.09
537-CR-643	CR-643-P	C	6.00	4.00	3.00	17.52	15.77	15.25	14.72
537-CR-753	CR-753-P	C	7.00	5.00	3.00	21.40	19.26	18.61	17.97
537-CR-800	CR-800-P	C	8.00	3.00	2.75	17.47	15.73	15.20	14.67
537-CR-864	CR-864-P	C	8.00	6.00	4.50	28.53	25.67	24.82	23.96
537-CR-1042	CR-1042-P	C	10.00	4.00	2.20	22.00	19.80	19.14	18.48

CAP COVER CHASSIS

- Special welded corners for sturdier chassis
- Finish: plain aluminum
- Manufactured from aircraft aluminum type 3003, H-14
- Cap construction permits all space inside chassis to be utilized.

Chassis (Without Cover)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	10	50	100
537-572	572	D	5.00	7.00	2.00	13.45	12.11	11.70	11.31
537-573	573	D	5.00	7.00	3.00	14.87	13.39	12.94	12.49
537-5103	5103	D	5.00	10.00	3.00	17.55	15.80	15.27	14.74
537-772	772	D	7.00	7.00	2.00	13.26	11.94	11.53	11.13
537-792	792	D	7.00	9.00	2.00	14.91	13.42	12.97	12.52
537-7123	7123	D	7.00	12.00	3.00	20.66	18.60	17.97	17.36
537-842	842	D	8.00	4.00	2.00	11.69	10.53	10.18	9.82
537-8103	8103	D	8.00	10.00	3.00	20.08	18.07	17.47	16.86
537-8123	8123	D	8.00	12.00	3.00	22.25	20.03	19.36	18.70
537-8173	8173	D	8.00	17.00	3.00	30.46	27.41	26.49	25.58
537-10123	10123	D	10.00	12.00	3.00	24.07	21.67	20.94	20.22
537-10173	10173	D	10.00	17.00	3.00	35.55	32.00	30.93	29.87
537-12173	12173	D	12.00	17.00	3.00	43.91	39.52	38.20	36.88
537-13173	13173	D	13.00	17.00	3.00	45.83	41.25	39.88	38.50

Chassis Cap Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Fits Chassis	Price Each			
				1	10	50	100
537-572C	572C	D	537-572 and 537-573	4.72	4.25	4.10	3.96
537-5103C	5103C	D	537-5103	5.75	5.18	5.01	4.84
537-772C	772C	D	537-772	6.08	5.48	5.29	5.12
537-792C	792C	D	537-792	8.18	7.36	7.12	6.86
537-7123C	7123C	D	537-7123	9.23	8.31	8.02	7.74
537-842C	842C	D	537-842	4.72	4.25	4.10	3.96
537-8103C	8103C	D	537-8103	9.17	8.25	7.98	7.70
537-8123C	8123C	D	537-8123	10.19	9.17	8.87	8.56
537-8173C	8173C	D	537-8173	12.20	10.98	10.60	10.24
537-10123C	10123C	D	537-10123	11.02	9.92	9.58	9.25
537-10173C	10173C	D	537-10173	19.00	17.09	16.52	15.95
537-12173C	12173C	D	537-12173	21.07	18.96	18.33	17.70
537-13173C	13173C	D	537-13173	24.16	21.75	21.02	20.30

ENCLOSURES Utility Boxes

- Finish: plain aluminum
- Manufactured from aircraft aluminum type 3003-H 14

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	10	50	100
537-UC-970	UC-970	E	4.00	4.00	2.00	12.00	10.81	10.45	10.09
537-UC-971	UC-971	E	5.00	4.00	3.00	13.23	11.91	11.52	11.12
537-UC-972	UC-972	E	6.00	5.00	4.00	17.30	15.58	15.06	14.54
537-UC-973	UC-973	E	6.00	6.00	6.00	21.19	19.07	18.44	17.80
537-UC-973A	UC-973A	E	6.00	6.00	3.00	17.42	15.68	15.16	14.63
537-UC-974	UC-974	E	7.00	5.00	3.00	17.46	15.71	15.18	14.66
537-UC-975	UC-975	E	9.00	6.00	5.00	28.45	25.61	24.75	23.90
537-UC-976	UC-976	E	10.00	8.00	7.00	41.40	37.26	36.01	34.77
537-UC-977	UC-977	E	12.00	7.00	6.00	39.81	35.83	34.63	33.43
537-UC-978	UC-978	E	10.00	10.00	8.00	52.11	46.89	45.33	43.77
537-UC-979	UC-979	E	12.00	11.00	8.00	63.06	56.76	54.87	52.98
537-UC-980	UC-980	E	15.00	9.00	7.00	62.70	56.43	54.55	52.67

Non-Skid Foot (Black)

Note: Four (4) required for each box (plugs into screw holes)

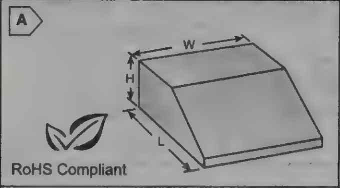
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Description	Price Each			
			1	50	100	500
537-F2	F2	Black elastomer ; fits all LMB enclosures	.24	.22	.21	.20

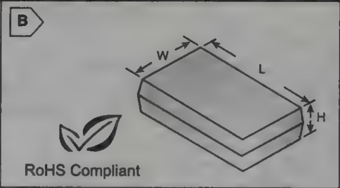
eagle plastic devices INSTRUMENT CASES

- Black 18 gauge hammertone steel cover fits over a painted gray aluminum base

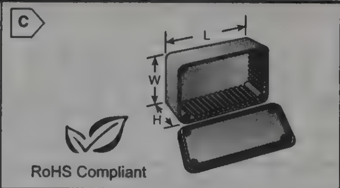
MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each				
		Length	Width	Height	1	10	50	100	200+
40UB102	F	5 7/8	4	2 3/8	9.35	7.80	7.10	6.48	Call for Quote
40UB103	F	5 7/8	5 1/4	3	10.32	8.60	7.81	7.48	

A


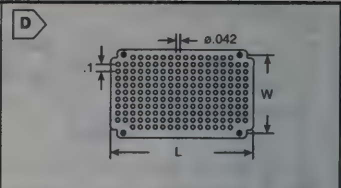
RoHS Compliant

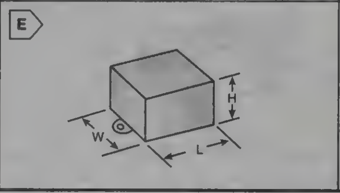
B


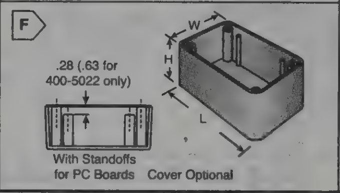
RoHS Compliant

C


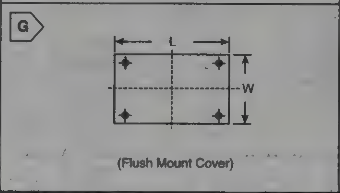
RoHS Compliant

D


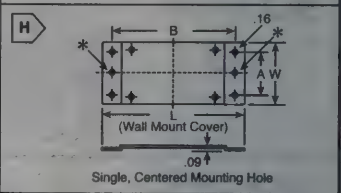
E


F


With Standoffs for PC Boards
Cover Optional

G


(Flush Mount Cover)

H


(Wall Mount Cover)
Single, Centered Mounting Hole

ALUMINUM MODULAR DESKTOP CONSOLES

The length of the flat top is 1/2 of the total length.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	10	50	100
Unpainted (Includes Rubber Feet)									
537-MDC321-01	MDC321	A	3.00	2.00	1.50	**5.97**	**5.38**	**5.20**	**5.02**
537-MDC432-01	MDC432	A	4.00	3.00	2.00	**8.01**	**7.22**	**6.97**	**6.73**
537-MDC532-01	MDC532	A	5.00	3.00	2.00	**9.23**	**8.31**	**8.02**	**7.74**
537-MDC642-01	MDC642	A	6.00	4.00	2.25	**11.03**	**9.93**	**9.60**	**9.27**
537-MDC752-01	MDC752	A	7.00	5.00	2.50	**12.72**	**11.45**	**11.07**	**10.69**
537-MDC862-01	MDC862	A	8.00	6.00	2.75	**16.71**	**15.04**	**14.53**	**14.03**
537-MDC973-01	MDC973	A	9.00	7.00	3.00	**18.39**	**16.56**	**15.99**	**15.44**
537-MDC1183-01	MDC1183	A	11.00	8.00	3.50	**27.51**	**24.77**	**23.94**	**23.11**
537-MDC13104-01	MDC13104	A	13.00	10.00	4.00	**37.35**	**33.62**	**32.49**	**31.37**
537-MDC15155-01	MDC15155	A	15.00	15.00	4.50	**60.90**	**54.81**	**52.99**	**51.16**
Painted Beige / Ivory (Includes Rubber Feet)									
537-MDC321-BI	MDC321-B/I	A	3.00	2.00	1.50	**9.26**	**8.34**	**8.05**	**7.78**
537-MDC432-BI	MDC432-B/I	A	4.00	3.00	2.00	**12.51**	**11.25**	**10.88**	**10.51**
537-MDC532-BI	MDC532-B/I	A	5.00	3.00	2.00	**13.96**	**12.56**	**12.13**	**11.72**
537-MDC642-BI	MDC642-B/I	A	6.00	4.00	2.25	**16.60**	**14.94**	**14.43**	**13.94**
537-MDC752-BI	MDC752-B/I	A	7.00	5.00	2.50	**18.54**	**16.69**	**16.13**	**15.57**
537-MDC862-BI	MDC862-B/I	A	8.00	6.00	2.75	**23.69**	**21.32**	**20.60**	**19.90**
537-MDC973-BI	MDC973-B/I	A	9.00	7.00	3.00	**26.44**	**23.79**	**23.00**	**22.21**
537-MDC1042-BI	MDC1042-B/I	A	10.00	4.50	2.50	**24.49**	**22.04**	**21.31**	**20.57**
537-MDC1183-BI	MDC1183-BI	A	11.00	8.00	3.50	**35.65**	**32.10**	**31.02**	**29.95**
537-MDC13104-BI	MDC13104-BI	A	13.00	10.00	4.00	**46.94**	**42.24**	**40.83**	**39.42**
537-MDC15155-BI	MDC15155-BI	A	15.00	15.00	4.50	**74.54**	**67.09**	**64.86**	**62.61**

HIGH-IMPACT ABS ENCLOSURES, STANDARD

- Scratch resistant grain finish
- Card guides for vertical mounting of circuit boards
- 9 volt battery compartment (500 Series)
- Internal mounting bosses for horizontal circuit boards

Note: all dimensions are outside measurements

Color Code Chart

To order add applicable suffix for desired color to Mouser Stock No.

Color	Black	Gray	Almond
Suffix	**BK**	**GY**	**AL**

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions: in.			Vert. Card Pos.	Mtg. Post	Price Each			
			L	W	H			1	10	50	100
537-400-I-__	400-I-	B	3.60	2.25	1.00	- - -	- - -	**5.46**	**4.92**	**4.76**	**4.59**
537-401-__	401-	B	3.60	2.25	1.50	2	4	**5.37**	**4.83**	**4.67**	**4.51**
537-402-__	402-	B	4.38	3.25	1.50	3	4	**7.17**	**6.45**	**6.24**	**6.02**
537-403-__	403-	B	5.62	3.25	1.50	4	4	**9.23**	**8.31**	**8.03**	**7.76**
537-404-__	404-	B	6.87	4.87	1.50	5	8	**9.53**	**8.58**	**8.29**	**8.01**
537-408-__	408-	B	6.87	4.87	2.00	5	8	**11.85**	**10.67**	**10.31**	**9.95**
537-410-__	410-	B	4.38	3.25	2.50	3	4	**8.12**	**7.31**	**7.06**	**6.82**
537-411-__	411-	B	5.62	3.25	2.50	4	4	**11.80**	**10.63**	**10.27**	**9.92**
537-412-__	412-	B	6.87	4.87	2.50	5	8	**12.45**	**11.21**	**10.83**	**10.46**
537-413-__	413-	B	9.50	6.34	1.50	- - -	- - -	**17.69**	**15.92**	**15.38**	**14.85**
537-501-__	501-	B	4.11	2.61	1.50	1	4	**5.93**	**5.34**	**5.16**	**4.98**
537-502-__	502-	B	4.38	3.25	1.50	3	4	**8.51**	**7.67**	**7.41**	**7.15**
537-503-__	503-	B	5.62	3.25	1.50	3	4	**10.56**	**9.51**	**9.19**	**8.88**

eagle plastic devices CASES

(Dimensions are outside dimensions.)

MOUSER STOCK NO.	Fig.	Dimensions: in.			PCB Guides	Price Each				
		L	W	H		1	10	50	100	200+
Black Plastic Project Boxes with Lids • Height is with lid on										
400-1541-GR	C	3	2	1	No	**2.90**	**1.74**	**1.60**	**1.45**	**Call for Quote**
400-1551-GR	C	4 3/8	2 1/4	7/8	No	**3.30**	**1.98**	**1.82**	**1.65**	
400-1561-GR	C	4	3	1 5/8	Yes	**3.95**	**2.37**	**2.17**	**1.98**	
400-1571-GR	C	5 7/8	3 7/8	2 1/4	Yes	**6.75**	**4.05**	**3.71**	**3.38**	
Gray Molded ABS Plastic Cases • Interlocking flanged cover with four screws										
400-1542-GR	C	4.1	2.2	1.8	Yes	**3.70**	**3.37**	**3.06**	**2.78**	**Call for Quote**
400-1552-GR	C	5.1	2.5	1.8	Yes	**4.66**	**4.02**	**3.71**	**3.50**	
400-1562-GR	C	5.9	3.5	2.3	Yes	**5.46**	**4.68**	**4.46**	**4.10**	
400-1572-GR	C	7.3	4.5	2.6	Yes	**7.93**	**6.80**	**6.47**	**5.96**	

eagle plastic devices PRE-PUNCHED COPPER CLAD PC BOARDS

• Holes: ø.042"; spacing between holes: 0.1" • Pre-patterned "pad-per-hole" design • Copper clad around holes, one side

MOUSER STOCK NO.	Fig.	Dimensions: in.		Fits Cases	Price Each			
		L	W		1	10	25	50
400-9032	D	2.44	1.46	400-5032 and 400-6032	**3.18**	**2.97**	**2.55**	**2.23**
400-9043	D	3.03	1.85	400-5043 and 400-6043	**3.28**	**2.74**	**2.49**	**2.26**
400-9053	D	3.86	2.40	400-5053 and 400-6053	**4.30**	**3.59**	**3.26**	**2.97**
400-9064	D	4.96	2.99	400-5064 and 400 6064	**5.95**	**4.96**	**4.51**	**4.10**

ENCLOSURES AND LIDS

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	LMB Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	10	50	100
Drawn Miniature Boxes - Unplated									
537-M01	M01	E	1.25	1.00	1.00	**1.62**	**1.45**	**1.41**	**1.35**
537-M10	M10	E	1.75	1.25	0.88	**1.62**	**1.45**	**1.41**	**1.35**
537-M17	M17	E	2.00	1.75	1.00	**1.62**	**1.45**	**1.41**	**1.35**
537-M18	M18	E	2.00	2.00	1.25	**1.62**	**1.45**	**1.41**	**1.35**
Lids - Unplated (Match Lid Part Number to Box Part Number)									
537-M01-L	M01-L	E	1.13	1.00	- - -	**1.11**	**1.01**	**.97**	**.94**
537-M10-L	M10-L	E	1.75	1.25	- - -	**1.11**	**1.01**	**.97**	**.94**
537-M17-L	M17-L	E	2.00	1.75	- - -	**1.11**	**1.01**	**.97**	**.94**
537-M18-L	M18-L	E	2.00	2.00	- - -	**1.11**	**1.01**	**.97**	**.94**
Drawn Miniature Boxes - Cadmium Plated (M23 thru M27 do not have mounting ears)									
537-M01-PLTD	M01-PLTD	E	1.13	1.00	0.94	**2.82**	**2.54**	**2.45**	**2.38**
537-M06-PLTD	M06-PLTD	E	1.50	1.13	0.75	**2.82**	**2.54**	**2.45**	**2.38**
537-M10-PLTD	M10-PLTD	E	1.75	1.25	0.88	**2.82**	**2.54**	**2.45**	**2.38**
537-M11-PLTD	M11-PLTD	E	2.00	1.25	0.75	**2.82**	**2.54**	**2.45**	**2.38**
537-M12-PLTD	M12-PLTD	E	2.00	1.25	1.00	**2.82**	**2.54**	**2.45**	**2.38**
537-M15-PLTD	M15-PLTD	E	2.00	1.75	0.50	**2.82**	**2.54**	**2.45**	**2.38**
537-M16-PLTD	M16-PLTD	E	2.00	1.75	0.75	**2.82**	**2.54**	**2.45**	**2.38**
537-M17-PLTD	M17-PLTD	E	2.00	1.75	1.00	**2.82**	**2.54**	**2.45**	**2.38**
537-M18-PLTD	M18-PLTD	E	2.00	2.00	1.25	**2.82**	**2.54**	**2.45**	**2.38**
537-M21-PLTD	M21-PLTD	E	2.50	2.00	1.25	**2.82**	**2.54**	**2.45**	**2.38**
537-M23-PLTD	M23-PLTD	E	3.88	2.38	0.88	**2.82**	**2.54**	**2.45**	**2.38**
537-M24-PLTD	M24-PLTD	E	2.00	1.75	0.75	**2.82**	**2.54**	**2.45**	**2.38**
537-M25-PLTD	M25-PLTD	E	3.06	3.06	2.63	**6.85**	**6.17**	**5.96**	**5.76**
537-M26-PLTD	M26-PLTD	E	4.63	2.38	2.25	**6.85**	**6.17**	**5.96**	**5.76**
537-M27-PLTD	M27-PLTD	E	4.75	3.00	1.75	**6.85**	**6.17**	**5.96**	**5.76**
Lids - Cadmium Plated (Match Lid Part Number to Box Part Number)									
537-M01-L-PLTD	M01-L-PLTD	E	1.13	1.00	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M06-L-PLTD	M06-L-PLTD	E	1.50	1.13	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M10-L-PLTD	M10-L-PLTD	E	1.75	1.25	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M11-L-PLTD	M11-L-PLTD	E	2.00	1.25	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M12-L-PLTD	M12-L-PLTD	E	2.00	1.25	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M15-L-PLTD	M15-L-PLTD	E	2.00	1.75	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M16-L-PLTD	M16-L-PLTD	E	2.00	1.75	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M17-L-PLTD	M17-L-PLTD	E	2.00	1.75	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M18-L-PLTD	M18-L-PLTD	E	2.00	2.00	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M21-L-PLTD	M21-L-PLTD	E	2.50	2.00	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M23-L-PLTD	M23-L-PLTD	E	3.88	2.38	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M24-L-PLTD	M24-L-PLTD	E	2.00	1.75	- - -	**1.71**	**1.54**	**1.49**	**1.43**
537-M25-L-PLTD	M25-L-PLTD	E	3.06	3.06	- - -	**3.29**	**2.96**	**2.86**	**2.76**
537-M26-L-PLTD	M26-L-PLTD	E	4.63	2.38	- - -	**3.29**	**2.96**	**2.86**	**2.76**
537-M27-L-PLTD	M27-L-PLTD	E	4.75	3.00	- - -	**3.29**	**2.96**	**2.86**	**2.76**

eagle plastic devices BLACK HIGH-IMPACT POLYSTYRENE

- Two styles of lids are available: flush mount and wall mount
- Covers and custom PC boards must be ordered separately

MOUSER STOCK NO.	Fig.	Dimensions: in.			# of PC Standoffs	Price Each				
		L	W	H		1	10	25	50	100+
400-5022	F	2.00	1.40	1.00	2	**1.87**	**1.56**	**1.41**	**1.28**	**Call for Quote**
400-5032	F	2.70	1.71	1.18	2	**2.11**	**1.76**	**1.60**	**1.45**	
400-5043	F	3.29	2.11	1.38	2	**2.41**	**2.01**	**1.83**	**1.66**	
400-5053	F	4.19	2.74	1.57	4	**3.17**	**2.64**	**2.41**	**2.18**	
400-5064	F	5.30	3.33	1.57	4	**4.10**	**3.42**	**3.10**	**2.82**	
400-5074	F	6.90	4.30	1.60	4	**5.79**	**4.83**	**4.38**	**3.99**	

eagle plastic devices UNPAINTED ALUMINUM COVERS

• Peel off protective plastic skin • Includes hardware

MOUSER STOCK NO.	Fig.	Dimensions: in.				Fits Cases	Price Each				
		L	W	A	B		1	10	25	50	100+
400-7022	G	1.89	1.30	- - -	- - -	400-5022	**1.92**	**1.60**	**1.46**	**1.32**	**Call for Quote**
400-7032	G	2.56	1.57	- - -	- - -	400-5032	**1.72**	**1.44**	**1.30**	**1.19**	
400-7043	G	3.15	1.97	- - -	- - -	400-5043	**2.34**	**1.94**	**1.77**	**1.61**	
400-7053	G	4.02	2.56	- - -	- - -	400-5053	**2.66**	**2.21**	**2.01**	**1.83**	
400-7064	G	5.12	3.15	- - -	- - -	400-5064	**3.33**	**2.78**	**2.53**	**2.30**	
400-7074	G	6.96	4.13	- - -	- - -	400-5074	**5.99**	**4.99**	**4.55**	**4.13**	
400-8043	H	4.41	1.97	1.34	3.90	400-5043	**3.25**	**2.71**	**2.47**	**2.24**	
400-8053	H	5.43	2.56	1.77	4.80	400-5053	**3.69**	**3.07**	**2.79**	**2.54**	

DELTRON Die Cast Aluminum Boxes

DIE CAST ALUMINUM BOXES

- Material: LM24 Aluminum (Unpainted)
- Screw Size: 3.5mm Diameter Taptite
- Cover: Interlocking with Countersunk Screws
- Excellent RF Shielding

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Dimension: in.				Wall Thickness	Price Each			
			L	L w/ Flange	W	H		1	10	50	100
Without PCB Guides											
400-4590	459-0010	A	3.5	- - -	1.4	1.2	.059	7.38	6.73	6.41	6.13
400-4591	459-0020	A	4.5	- - -	2.5	1.2	.059	7.38	6.77	6.41	6.13
400-4587	459-0040	A	4.5	- - -	2.5	2.2	.079	9.62	8.82	8.35	7.99
400-4592	459-0030	A	4.5	- - -	3.5	2.2	.059	11.36	10.44	9.89	9.45
400-4593	459-0050	A	6.8	- - -	4.7	2.2	.079	17.84	14.90	14.18	13.38
400-4594	459-0060	A	6.8	- - -	4.7	4.2	.079	25.24	23.17	21.94	20.98
400-4588	459-0070	A	8.7	- - -	5.7	2.2	.079	22.35	20.32	18.47	16.79
400-4589	459-0080	A	8.7	- - -	5.7	4.2	.079	30.56	27.79	25.26	22.96
With PCB Guides											
400-4585	459-0150	B	2.4	- - -	2.2	1.2	.059	7.10	6.45	5.86	5.33
400-4586	459-0140	B	3.1	- - -	2.2	1.0	.059	8.38	7.62	6.93	6.30
400-4595	459-0120	B	4.7	- - -	4.7	1.4	.079	19.26	17.50	15.91	14.88
400-4596	459-0100	B	5.5	- - -	5.5	3.0	.079	23.55	20.99	18.79	16.83
400-4597	459-0110	B	6.5	- - -	5.0	3.0	.079	26.96	24.51	22.28	20.25
400-4599	459-0130	B	9.8	- - -	9.8	3.9	.098	94.27	86.46	81.84	78.22
400-4598	459-0090	B	10.8	- - -	10.8	2.2	.079	41.72	37.93	34.48	31.34

With Mounting Flanges and PCB Guides

- Material: LM24 Aluminum (Unpainted)
- Screw Size: 3.5mm Diameter Taptite
- Pre-Drilled External Mounting Flanges
- Cover: Interlocking with Countersunk Screws
- Excellent RF Shielding

RoHS Compliant

✱ Due to size, 400-4600 flange has only 1 screw mounting hole.

For quantities of 200 and up, call for quote.

✱ **400-4600**	455-0010	C	3.5	4.5	1.4	1.2	.059	15.93	14.48	13.17	11.97
400-5510	455-0100	C	4.0	6.69	4.0	3.0	.079	19.79	17.68	16.94	15.07
400-4601	455-0020	C	4.5	5.5	2.5	1.2	.059	12.75	10.75	9.90	8.80
400-4602	455-0040	C	4.5	5.5	2.5	2.2	.079	14.95	12.95	12.10	11.15
400-4603	455-0030	C	4.5	5.5	3.5	2.2	.059	16.95	14.05	13.55	12.60
400-5512	455-0120	C	4.7	4.72	3.9	1.4	.079	17.50	15.15	14.55	13.60
400-4605	455-0110	C	6.5	7.68	5.0	3.0	.079	23.97	20.71	19.50	17.88
400-4604	455-0050	C	6.8	7.95	4.8	2.2	.079	22.09	19.76	17.70	15.88
400-4607	455-0060	C	6.8	7.95	4.8	4.2	.079	46.50	42.28	37.35	35.96
400-4606	455-0070	C	8.8	9.92	5.8	2.2	.079	47.03	42.76	38.87	35.34

SEALED DIE CAST ALUMINUM BOXES

- Material: LM24 Aluminum (Unpainted)
- Screw Size: 3.5mm Diameter Taptite
- Seal: Neoprene, Closed Cell, Black
- Cover: Interlocking with Countersunk Screws
- Excellent RF Shielding

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Deltron Part No.	Fig.	Dimension: in.				Wall Thickness	Price Each			
			L	L w/ Flange	W	H		1	10	50	100
Without PCB Guides											
400-4550	460-0010	A	3.5	- - -	1.4	1.2	.059	13.94	12.67	11.52	10.47
400-4551	460-0020	A	4.5	- - -	2.5	1.2	.059	15.21	13.83	12.57	11.43
400-4553	460-0040	A	4.5	- - -	2.5	2.2	.079	14.77	13.43	12.21	11.10
400-4552	460-0030	A	4.6	- - -	3.6	2.2	.059	16.65	15.14	13.76	12.51
400-4554	460-0050	A	6.8	- - -	4.7	2.2	.079	23.47	21.34	19.40	17.64
400-4555	460-0060	A	6.8	- - -	4.7	4.2	.079	28.27	25.70	23.36	21.84
With PCB Guides											
400-6015	460-0150	B	2.4	- - -	2.2	1.2	.059	5.70	4.70	4.45	4.00
400-6014	460-0140	B	3.1	- - -	2.2	1.0	.059	5.70	4.70	4.45	4.00
400-6012	460-0120	B	4.7	- - -	3.9	1.4	.079	14.09	11.79	10.87	10.08
400-6010	460-0100	B	5.5	- - -	4.0	3.0	.079	21.25	17.55	15.95	14.80
400-6011	460-0110	B	6.5	- - -	5.0	3.0	.079	24.99	22.39	20.28	18.49
400-6013	460-0130	B	9.8	- - -	9.8	4.0	.098	45.97	42.00	38.09	34.74
400-6009	460-0090	B	10.8	- - -	6.9	2.6	.079	34.95	31.19	28.15	24.95
With Mounting Flanges and PCB Guides											
400-5601	456-0010	C	3.5	4.5	1.4	1.2	.059	14.81	13.63	12.49	11.38
400-5602	456-0020	C	4.5	5.5	2.5	1.2	.059	17.32	15.95	14.61	13.31
400-5604	456-0040	C	4.5	5.5	2.5	2.2	.079	19.96	18.37	16.84	15.34
400-5603	456-0030	C	4.5	5.5	3.5	2.2	.059	21.78	19.99	18.37	16.73
400-5612	456-0120	C	4.7	5.9	3.9	1.4	.079	20.38	18.77	17.19	15.66
400-5610	456-0100	C	5.5	6.69	4.0	3.0	.079	22.94	21.12	19.35	17.62
400-5611	456-0110	C	6.5	7.68	5.0	3.0	.079	25.48	23.46	21.49	19.58
400-5605	456-0050	C	6.8	7.95	4.8	2.2	.079	28.05	25.82	23.66	21.55
400-5606	456-0060	C	6.8	7.95	4.8	4.2	.079	34.71	31.96	29.28	26.67
400-5607	456-0070	C	8.8	9.92	5.8	2.2	.079	40.89	33.69	30.86	28.12

BLACK NYLON COATED CAST ALUMINUM BOXES

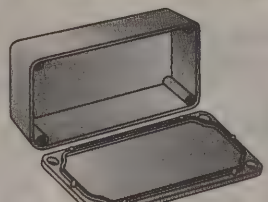
- Material: LM24 Aluminum
- Screw Size: 3.5mm Diameter Taptite
- Nylon Coating: 75-150 microns Rilsan Nylon 11
- Cover: Interlocking with Countersunk Screws
- Excellent RF Shielding

For quantities of 200 and up, call for quote.

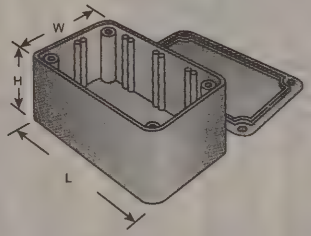
MOUSER STOCK NO.	Deltron Part No.	Fig.	Dimension: in.			Wall Thickness	Price Each			
			L	W	H		1	10	50	100
Without PCB Guides										
400-4620	462-0010E	A	3.5	1.4	1.2	.059	18.96	17.24	15.67	14.24
400-4621	462-0020E	A	4.5	2.5	1.2	.059	18.60	16.91	15.37	13.98
400-4623	462-0040E	A	4.5	2.5	2.2	.079	20.50	18.64	16.94	15.40
400-4622	462-0030E	A	4.6	3.6	2.2	.059	23.61	21.47	19.51	17.74
400-4624	462-0050E	A	6.8	4.7	2.2	.079	31.91	29.00	26.37	23.97
400-4625	462-0060E	A	6.8	4.7	4.2	.079	40.83	37.12	33.75	30.68

DIMENSIONS: in.

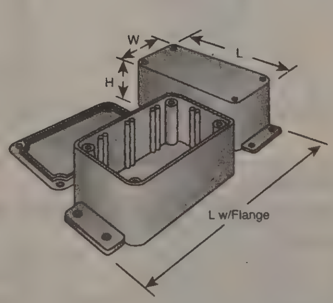
A



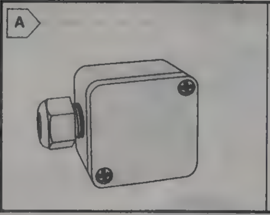
B

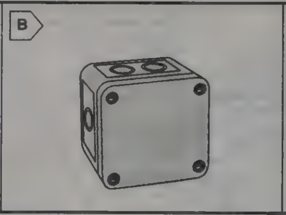


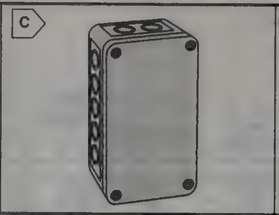
C

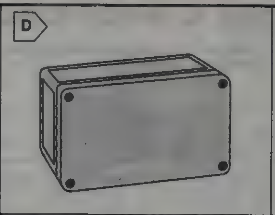


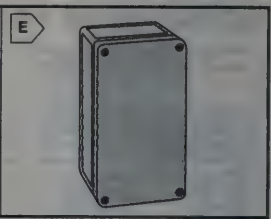
ALTECH NEMA 4X Industrial Enclosures











TK SERIES

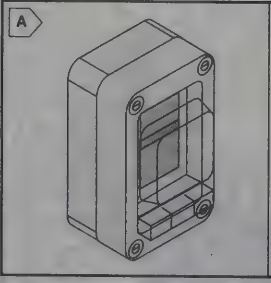
Whenever electrical and electronic components need to be housed in dustproof and watertight, completely insulated and corrosion-free enclosures, Altech/Spelsberg TK series enclosures offer solutions. Enhance the value of your products with their appealing design in a variety of sizes with standard gray or transparent covers in different heights. The exceptional possibilities of subsequent processing (drilling, milling, bonding, lacquering, fitting components) permit virtually all special requirements to be met. Rated to NEMA 4X (IP66).

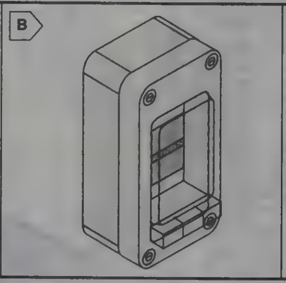
CE c UL us LISTED

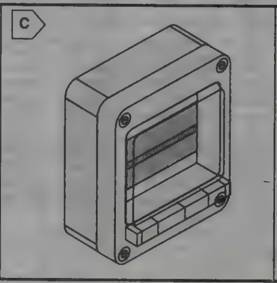
For quantities greater than listed, call for quote.

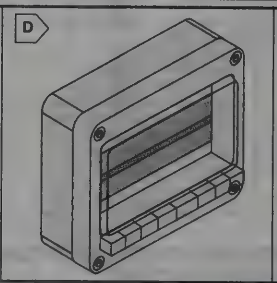
Polystyrene | **Polycarbonate**

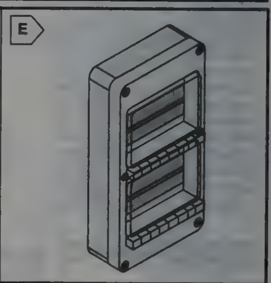
MOUSER STOCK NO.	Altech Part No.	UL Rating File No.	Price Each	Dimensions: mm (in.)			Description	Cover Color	Fig.	MOUSER STOCK NO.	Altech Part No.	UL Rating File No.	Price Each
				Length	Width	Height							
845-110-455	110-455	E208470	4.60	52.0 (2.05)	50.0 (1.97)	35 (1.38)	Smooth Sidewall	Gray	A	845-120-455	120-455	E208470	6.16
845-111-455	111-455	E208470	5.45	52.0 (2.05)	50.0 (1.97)	35 (1.38)	Smooth Sidewall	Transparent	A	845-130-455	130-455	E208470	6.16
845-110-475	110-475	E208470	5.00	65.0 (2.56)	50.0 (1.97)	35 (1.38)	Smooth Sidewall	Gray	A	845-120-475	120-475	E208470	6.56
845-111-475	111-475	E208470	5.77	65.0 (2.56)	50.0 (1.97)	35 (1.38)	Smooth Sidewall	Transparent	A	845-130-475	130-475	E208470	6.56
845-110-401	110-401	E208470	5.66	65.0 (2.56)	50.0 (1.97)	57 (2.24)	Low Cover	Gray	B	845-120-401	110-401	E208470	7.86
845-110-901	110-901	E208470	7.14	65.0 (2.56)	50.0 (1.97)	81 (3.19)	High Cover	Gray	B	845-120-901	120-901	E208470	9.79
845-111-001	111-001	E208470	6.53	65.0 (2.56)	50.0 (1.97)	57 (2.24)	Low Cover	Transparent	B	845-130-001	130-001	E208470	7.86
845-111-501	111-501	E208470	8.46	65.0 (2.56)	50.0 (1.97)	81 (3.19)	High Cover	Transparent	B	845-130-501	130-501	E208470	9.79
845-110-403	110-403	E208470	7.43	94.0 (3.70)	94.0 (3.70)	57 (2.24)	Low Cover	Gray	B	845-120-403	120-403	E208470	11.09
845-110-903	110-903	E208470	9.24	94.0 (3.70)	94.0 (3.70)	81 (3.19)	High Cover	Gray	B	845-120-903	120-903	E208470	14.04
845-111-003	111-003	E208470	8.54	94.0 (3.70)	94.0 (3.70)	57 (2.24)	Low Cover	Transparent	B	845-130-003	130-003	E208470	11.09
845-111-503	111-503	E208470	11.54	94.0 (3.70)	94.0 (3.70)	81 (3.19)	High Cover	Transparent	B	845-130-503	130-503	E208470	14.04
845-110-404	110-404	E208470	10.21	110.0 (4.33)	110.0 (4.33)	66 (2.60)	Low Cover	Gray	B	845-120-404	120-404	E208470	14.84
845-110-904	110-904	E208470	12.14	110.0 (4.33)	110.0 (4.33)	90 (3.54)	High Cover	Gray	B	845-120-904	120-904	E208470	17.80
845-111-004	111-004	E208470	11.54	110.0 (4.33)	110.0 (4.33)	66 (2.60)	High Cover	Transparent	B	845-130-004	130-004	E208470	14.84
845-111-504	111-504	E208470	14.84	110.0 (4.33)	110.0 (4.33)	90 (3.54)	Smooth	Transparent	B	845-130-504	130-504	E208470	17.80
845-110-405	110-405	E208470	12.14	130.0 (5.1)	130.0 (5.12)	75 (2.95)	Low Cover	Gray	B	845-120-405	120-405	E208470	18.68
845-110-905	110-905	E208470	14.04	130.0 (5.1)	130.0 (5.12)	99 (3.90)	High Cover	Gray	B	845-120-905	120-905	E208470	22.26
845-111-005	111-005	E208470	13.96	130.0 (5.1)	130.0 (5.12)	75 (2.95)	Low Cover	Transparent	B	845-130-005	130-005	E208470	18.68
845-111-505	111-505	E208470	17.80	130.0 (5.1)	130.0 (5.12)	99 (3.90)	High Cover	Transparent	B	845-130-505	130-505	E208470	22.26
845-110-402	110-402	E208470	6.53	94.0 (3.70)	65.0 (2.56)	57 (2.24)	Low Cover	Gray	C	845-120-402	120-402	E208470	9.79
845-110.902	110-902	E208470	7.94	94.0 (3.70)	65.0 (2.56)	81 (3.19)	High Cover	Gray	C	845-120-902	120-902	E208470	12.14
845-111-002	111-002	E208470	7.43	94.0 (3.70)	65.0 (2.56)	57 (2.24)	Low Cover	Transparent	C	845-130-002	130-002	E208470	9.79
845-111-502	111-502	E208470	9.79	94.0 (3.70)	65.0 (2.56)	81 (3.19)	High Cover	Transparent	C	845-130-502	130-502	E208470	12.14
845-110-409	110-409	E208470	9.79	94.0 (2.70)	130.0 (5.12)	57 (2.24)	High Cover	Gray	C	845-120-409	120-409	E208470	13.96
845-110-909	110-909	E208470	11.54	94.0 (2.70)	130.0 (5.12)	81 (3.19)	Smooth	Gray	C	845-120-909	120-909	E208470	16.85
845-111-009	111-009	E208470	11.09	94.0 (2.70)	130.0 (5.12)	57 (2.24)	High Cover	Transparent	C	845-130-009	130-009	E208470	13.96
845-111-509	111-509	E208470	13.96	94.0 (2.70)	130.0 (5.12)	81 (3.19)	Smooth	Transparent	C	845-130-509	130-509	E208470	16.85
845-110-410	110-410	E208470	12.14	180.0 (7.09)	94.0 (3.70)	57 (2.24)	Low Cover	Gray	C	845-120-410	120-410	E208470	18.68
845-110-910	110-910	E208470	14.04	180.0 (7.09)	94.0 (3.70)	81 (3.19)	High Cover	Gray	C	845-120-910	120-910	E208470	22.26
845-111-010	111-010	E208470	13.96	180.0 (7.09)	94.0 (3.70)	57 (2.24)	Low Cover	Transparent	C	845-130-010	130-010	E208470	18.68
845-111-510	111-510	E208470	17.80	180.0 (7.09)	94.0 (3.70)	81 (3.19)	High Cover	Transparent	C	845-130-510	130-510	E208470	22.26
845-110-407	110-407	E254144	19.56	182.0 (7.17)	180.0 (7.09)	90 (3.54)	Low Cover	Gray	D	845-120-407	120-407	E254144	32.64
845-110-907	110-907	E254144	21.21	182.0 (7.17)	180.0 (7.09)	11 (4.37)	High Cover	Gray	D	845-120-907	120-907	E254144	36.30
845-111-007	111-007	E254144	23.75	182.0 (7.17)	180.0 (7.09)	90 (3.54)	Low Cover	Transparent	D	845-130-007	130-007	E254144	32.64
845-111-507	111-507	E254144	27.06	182.0 (7.17)	180.0 (7.09)	11 (4.37)	High Cover	Transparent	D	845-130-507	130-507	E254144	36.30
845-110-408	110-408	E254144	27.06	254.0 (10.0)	180.0 (7.09)	90 (3.54)	Low Cover	Gray	D	845-120-408	120-408	E254144	43.75
845-110-908	110-908	E254144	28.63	254.0 (10.0)	180.0 (7.09)	11 (4.37)	High Cover	Gray	D	845-120-908	120-908	E254144	47.49
845-111-008	111-008	E254144	32.92	254.0 (10.0)	180.0 (7.09)	90 (3.54)	Low Cover	Transparent	D	845-130-008	130-008	E254144	43.75
845-111-508	111-508	E254144	36.30	254.0 (10.0)	180.0 (7.09)	11 (4.37)	High Cover	Transparent	D	845-130-508	130-508	E254144	47.49
845-110-406	110-406	E254144	15.89	180.0 (7.09)	110.0 (4.33)	90 (3.54)	Low Cover	Gray	E	845-120-406	120-406	E254144	25.21
845-110-906	110-906	E254144	17.80	180.0 (7.09)	110.0 (4.33)	111 (4.37)	High Cover	Gray	E	845-120-906	120-906	E254144	28.91
845-111-006	111-006	E254144	18.60	180.0 (7.09)	110.0 (4.33)	90 (3.54)	Low Cover	Transparent	E	845-130-006	130-006	E254144	25.21
845-111-506	111-506	E254144	22.26	180.0 (7.09)	110.0 (4.33)	111 (4.37)	High Cover	Transparent	E	845-130-506	130-506	E254144	28.91
845-110-412	110-412	E254144	58.40	360.0 (14.2)	254.0 (10.0)	111 (4.37)	Low Cover	Gray	E	845-120-412	120-412	E254144	100.82
845-110-912	110-912	E254144	69.24	360.0 (14.2)	254.0 (10.0)	165 (6.50)	High Cover	Gray	E	845-120-912	120-912	E254144	121.94
845-111-012	111-012	E254144	84.58	360.0 (14.2)	254.0 (10.0)	111 (4.37)	Low Cover	Transparent	E	845-130-012	130-012	E254144	100.82
845-111-512	111-512	E254144	104.14	360.0 (14.2)	254.0 (10.0)	165 (6.50)	High Cover	Transparent	E	845-130-512	130-512	E254144	121.94











EK SERIES

The EK series features compact dimensions for space-efficient installation, while offering sufficient connection space for a secure wiring job. The transparent doors make for an ideal display of timers, LEDs, circuit breakers, and other DIN rail mount devices. Access to components is quick and easy.

NEW FROM SUPPLIER

CE c UL us LISTED

Specifications:

- Enclosure/Door Material: Polycarbonate
- Protection Level: IP65 - Nema Type 4X
- Temp Range: -35°C to 120°C
- Gasket Material: Polyurethane

Features:

- Direct mount
- Dust and Moisture proof
- Corrosion and Maintenance Free
- Halogen Free
- High Mechanical strength

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Dimensions: mm (in.)			Description	Cover Color	UL Rating File No.	Price Each		
			L	W	H				1	10	25
845-542-502	542-502	A	130 (5.12)	94 (3.70)	80 (3.15)	Smooth Sidewall	Light Gray	E208470	29.68	28.19	26.79
845-542-504	542-504	B	180 (7.09)	110 (4.33)	110 (4.33)	Smooth Sidewall	Light Gray	E254144	45.80	43.52	41.34
845-542-508	542-508	C	180 (7.09)	182 (7.17)	110 (4.33)	Smooth Sidewall	Light Gray	E254144	46.91	44.56	42.34
845-542-512	542 512	D	180 (7.09)	254 (10.00)	110 (4.33)	Smooth Sidewall	Light Gray	E254144	63.66	60.48	57.45
845-542-524	542-524	E	361 (14.21)	254 (10.00)	110 (4.33)	Smooth Sidewall	Light Gray	E254144	105.78	100.49	95.47

ALTECH DIN Rail Mount Enclosures

Altech Corp.®

ALTECH K04700

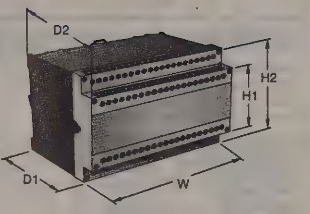
A wide range of sizes and cover designs. Pressure plate or screw cage clamp terminals, fixed and pluggable terminal-to-board connections. Pluggable connection helps to eliminate wiring mistakes.

Specifications:
- 8 to 132 Terminals
- Housing Material: Glass-filled Polycarbonate
- Cover Material: Glass-filled Polycarbonate
- Standard Color: Black Housing, Tan Cover
- Terminals Rated 16 A (Pluggable to 10 A)
- Enclosures With Removable Cover Panels
- Flammability Rating: UL94V-0 (V-2 Clear Panel)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max Number of Terminals	Term.-to-Board Connection *	Housing Dimensions: mm					Price Each		
				W	H1	H2	D1	D2	1	10	25
845-90.201	90.201	8	MS	22.5	73.2	—	118.2	—	18.63	17.78	16.94
845-90.202	90.202	8	WJ, ST	22.5	73.2	—	118.2	—	18.63	17.78	16.94
845-90.230	90.230	10	WJ, FO	45.0	73.2	—	118.2	—	19.84	18.90	18.00
845-90.290	90.290	16	MS	45.0	73.2	—	118.2	—	30.89	29.42	28.03
845-90.320	90.320	16	CE	45.0	73.2	—	118.2	—	30.44	28.99	27.61
845-90.350	90.350	20	WJ, ST, CE	100.0	73.2	—	118.2	—	48.82	46.50	44.28
845-90.380	90.380	22	MS	75.0	73.2	—	118.2	—	45.73	43.55	41.47
845-90.410	90.410	22	CE	75.0	73.2	—	118.2	—	51.61	49.16	46.82
845-90.440	90.440	30	MS	100.0	73.2	—	118.2	—	52.36	49.87	47.49
845-90.470	90.470	30	CE	100.0	73.2	—	118.2	—	55.88	53.22	50.68
845-90.500	90.500	32	MS	152.0	73.2	—	118.2	—	64.58	61.50	58.57
845-90.530	90.530	42	WJ, ST, CE	200.0	73.2	—	118.2	—	70.74	67.36	64.15
845-90.560	90.560	42	WJ, ST, CE	200.0	123.0	—	118.2	—	76.47	72.83	69.35
845-90.590	90.590	50	MS	152.0	73.2	—	118.2	—	81.45	77.79	73.90
845-90.620	90.620	50	CE	152.0	73.2	—	118.2	—	89.78	85.71	81.62
845-90.680	90.680	66	CE	200.0	73.2	—	118.2	—	116.46	110.91	105.63
845-90.710	90.710	66	CE	200.0	123.0	—	118.2	—	122.21	116.38	110.84
845-90.740	90.740	84	WJ, ST, CE	200.0	82.6	123.0	118.2	137.2	124.68	118.74	113.09
845-90.770	90.770	132	CE	200.0	82.6	123.0	118.2	137.2	216.15	205.86	196.05

* Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.
CE = Card Edge (Pluggable), FO = Fast on, ST = Solder Tab.



ALTECH KU4000 SCREW CLAMP (HORIZONTAL PCB)

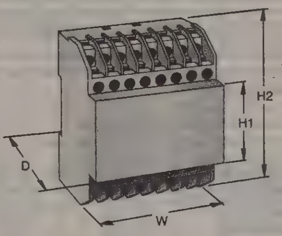
Versatile enclosures provide ample internal space for wiring and electronic components. Kits consist of snap-in double level terminals, cover and base, with integral PC board guides. Machine solderable pins, pressure plate terminals.

Specifications:
- 8 to 64 Terminals
- Integral Printed Circuit Board Guides
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Lt. Gray
- Terminals Rated 16 A
- Flammability Rating: UL94V-0

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max Number of Terminals	Term.-to-Board Connection *	Housing Dimensions: mm				Price Each		
				W	H1	H2	D	1	10	25
845-91.202	91.202	8	WJ, MS	17.5	45.0	90.0	58.0	17.66	16.82	16.01
845-91.220	91.220	16	WJ, MS	35.0	45.0	90.0	58.0	24.40	23.23	22.13
845-91.260	91.260	32	WJ, MS	71.5	45.0	90.0	58.0	38.28	36.54	34.80
845-91.310	91.310	48	WJ, MS	105.0	45.0	90.0	59.0	57.07	54.48	51.88
845-91.380	91.380	64	WJ, MS	140.0	45.0	90.0	59.0	70.31	66.96	63.77

* Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.



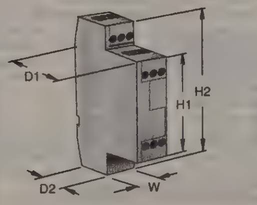
ALTECH K04070

Compact, cost-effective snap-together kits. Removable screw cage clamp terminals with dual solder pins are machine solderable. Horizontal and vertical PC board positions. Funnel shaped wire entries.

Specifications:
- 4 to 16 Cage Clamp Terminals
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Lt. Gray
- Terminals Rated 16 A
- Extended Length Pins Available
- Flammability Rating: UL94V-0

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max Number of Terminals	Term.-to-Board Connection	Housing Dimensions: mm					Price Each		
				W	H1	H2	D1	D2	1	10	25
845-91.001	91.001	4	Solder Pin (SP)	12.5	60.0	—	60.0	—	7.79	7.42	7.07
845-91.010	91.010	6	Solder Pin (SP)	12.5	60.0	75.0	60.0	31.0	9.27	8.82	8.40
845-91.020	91.020	6	Solder Pin (SP)	20.0	60.0	—	60.0	—	10.16	9.68	9.21
845-91.030	91.030	8	Solder Pin (SP)	12.5	60.0	90.0	60.0	31.0	10.88	10.36	9.87
845-91.040	91.040	8	Solder Pin (SP)	28.0	60.0	—	60.0	—	12.36	11.77	11.21
845-91.050	91.050	9	Solder Pin (SP)	20.0	60.0	75.0	60.0	31.0	12.48	11.89	11.32
845-91.060	91.060	12	Solder Pin (SP)	20.0	60.0	90.0	60.0	31.0	15.72	14.97	14.26
845-91.070	91.070	12	Solder Pin (SP)	28.0	60.0	75.0	60.0	31.0	16.19	15.42	14.69
845-91.080	91.080	16	Solder Pin (SP)	28.0	60.0	90.0	60.0	31.0	21.04	20.04	19.08



ALTECH KU4000 SCREW CLAMP (VERTICAL PCB)

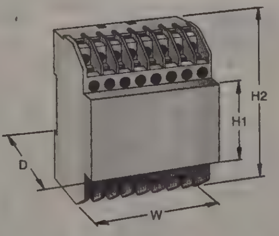
Versatile enclosures provide ample internal space for wiring and electronic components. Kits consist of snap-in double level terminals, cover and base, with integral PC board guides. Machine solderable pins, pressure plate terminals.

Specifications:
- 8 to 64 Terminals
- Integral Printed Circuit Board Guides
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Lt. Gray
- Terminals Rated 16 A
- Base Mount PCB
- Flammability Rating: UL94V-0

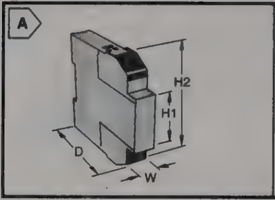
For quantities of 50 and up, call for quote.

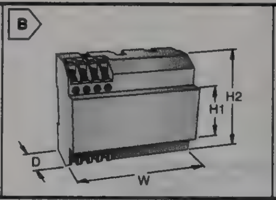
MOUSER STOCK NO.	Altech Part No.	Max Number of Terminals	Term.-to-Board Connection *	Housing Dimensions: mm				Price Each		
				W	H1	H2	D	1	10	25
845-91.201	91.201	8	WJ, MS	17.5	45.0	90.0	58.0	17.66	16.82	16.01
845-91.240	91.240	16	WJ, MS	35.0	45.0	90.0	58.0	24.40	23.23	22.13
845-91.280	91.280	32	WJ, MS	71.5	45.0	90.0	58.0	38.37	36.54	34.80
845-91.330	91.330	48	WJ, MS	105.0	45.0	90.0	59.0	57.18	54.45	51.86
845-91.400	91.400	64	WJ, MS	140.0	45.0	90.0	59.0	71.63	68.21	64.96

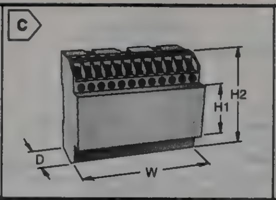
* Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.

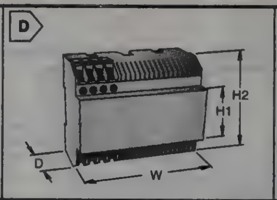


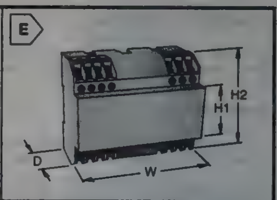
ALTECH DIN Rail Mount Enclosures











ALTECH KU4000-SPECIAL SERIES

Specifications:

- 8 to 32 terminals
- Integral Printed Circuit Board Guides
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Gray
- Vertical or Horizontal PCB
- Flammability Rating: UL94V-0

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Fig.	Max. Number of Terminals	Terminal-to-Board Connection*	Pins	Description	Housing Dimensions: mm				Price Each		
							W	H1	H2	D	1	10	25
845-91.203	91.203	A	8	WJ, MS	Right Angle	Tall, vertical screw clamp	17.5	45.0	90.0	97.0	18.09	17.24	16.41
845-91.503	91.503	A	8	WJ, MS	Right Angle	Tall, vertical spring clamp	17.5	45.0	90.0	97.0	17.95	17.10	16.28
845-91.243	91.243	A	16	WJ, MS	Right Angle	Tall, vertical screw clamp	35.0	45.0	90.0	97.0	24.99	23.80	22.67
845-91.543	91.543	A	16	WJ, MS	Right Angle	Tall, vertical spring clamp	35.0	45.0	90.0	97.0	25.00	23.82	22.68
845-91.283	91.283	A	32	WJ, MS	Right Angle	Tall, vertical screw clamp	71.5	45.0	90.0	97.0	37.41	35.62	33.92
845-91.583	91.583	A	32	WJ, MS	Right Angle	Tall, vertical spring clamp	71.5	45.0	90.0	97.0	38.16	37.41	35.62
845-91.250	91.250	B	16	WJ, MS	Right Angle	Partial terminals, vertical	105.5	45.0	90.0	59.0	30.87	29.40	28.00
845-91.230	91.230	B	16	MS	Straight	Partial terminals, horizontal	105.5	45.0	90.0	59.0	30.87	29.40	28.00
845-91.290	91.290	C	24	WJ, MS	Right Angle	Terminals one side, vertical	105.5	45.0	90.0	59.0	36.35	34.61	32.97
845-91.270	91.270	C	24	MS	Straight	Terminals one side, horizontal	105.5	45.0	90.0	59.0	37.04	35.28	33.60
845-91.320	91.320	C	32	WJ, MS	Right Angle	Terminals one side, vertical	140.0	45.0	90.0	59.0	43.83	41.74	39.75
845-91.300	91.300	C	32	MS	Straight	Terminals one side, horizontal	140.0	45.0	90.0	59.0	42.97	40.92	38.97
845-91.255	91.255	D	16	WJ, MS	Right Angle	With vent slots, vertical	105.5	45.0	90.0	59.0	32.02	30.50	29.05
845-91.235	91.235	D	16	MS	Straight	With vent slots, horizontal	105.5	45.0	90.0	59.0	30.87	29.40	28.01
845-91.360	91.360	E	32	WJ, MS	Right Angle	Terminals corners only, vertical	140.0	45.0	90.0	59.0	43.72	41.74	39.75
845-91.340	91.340	E	32	MS	Straight	Terminals corners only, horizontal	140.0	45.0	90.0	59.0	43.83	41.74	39.75
845-91.365	91.365	E	32	WJ, MS	Right Angle	With vent slots, vertical	140.0	45.0	90.0	59.0	43.82	41.73	39.74
845-91.345	91.345	E	32	MS	Straight	With vent slots, horizontal	140.0	45.0	90.0	59.0	45.11	42.96	40.91

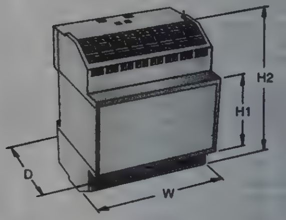
∗ Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.

ALTECH KU4000-SPRING CLAMP (HORIZONTAL PCB)

Versatile enclosures provide ample internal space for wiring and electronic components. Kits consist of snap-in double level terminals, cover and base, with integral PC board guides. Machine solderable pins, spring cage clamp terminals.

Specifications:

- 8 to 64 Terminals
- Integral Printed Circuit Board Guides
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Gray
- Terminals Rated 10 A
- Base Mount PCB
- Flammability Rating: UL94V-0



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max. Number of Terminals	Terminal-to-Board Connection ∗	Housing Dimensions: mm				Price Each		
				W	H1	H2	D	1	10	25
845-91.502	91.502	8	MS	17.5	45.0	90.0	58.0	17.31	16.48	15.70
845-91.520	91.520	16	MS	35.0	45.0	90.0	58.0	24.40	23.23	22.13
845-91.560	91.560	32	MS	71.5	45.0	90.0	58.0	37.69	35.89	34.18
845-91.610	91.610	64	MS	140.0	45.0	90.0	59.0	70.30	66.95	63.76

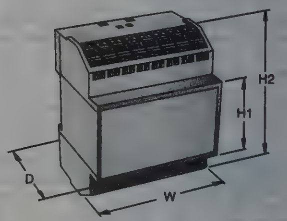
∗ Terminal-to-Board Connections: MS = Machine Solderable Pins.

ALTECH KU4000-SPRING CLAMP (VERTICAL PCB)

Versatile enclosures provide ample internal space for wiring and electronic components. Kits consist of snap-in double level terminals, cover and base, with integral PC board guides. Machine solderable pins, spring cage clamp terminals.

Specifications:

- 8 to 64 Terminals
- Integral Printed Circuit Board Guides
- Housing Material: Glass-filled Polycarbonate
- Standard Color: Gray
- Terminals Rated 10 A
- Right Angle Pins
- Flammability Rating: UL94V-0

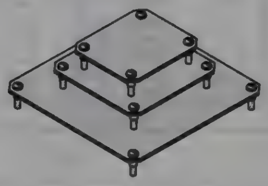


For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Altech Part No.	Max. Number of Terminals	Term.-to-Board Connection ∗	Housing Dimensions: mm				Price Each		
				W	H1	H2	D	1	10	25
845-91.501	91.501	8	WJ, MS	17.5	45.0	90.0	58.0	17.66	16.82	16.01
845-91.540	91.540	16	WJ, MS	35.0	45.0	90.0	58.0	24.40	23.23	22.13
845-91.580	91.580	32	WJ, MS	71.5	45.0	90.0	58.0	37.69	35.90	34.19
845-91.600	91.600	64	WJ, MS	140.0	45.0	90.0	59.0	70.30	66.95	63.76

∗ Terminal-to-Board Connections: WJ = Wire Jumper, MS = Machine Solderable Pins.

MOUNTING PLATES



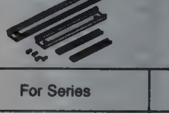
Features:

- Complete with screws
- Hole patterns match mounting provisions in enclosure base
- Plastic Laminate - 2.5mm thick
- Color: Gray

MOUSER STOCK NO.	Altech Part No.	Dimensions: mm (in.)	Type	Enclosure Series	Price Each
845-195-055	195-055	46x44 (1.81x1.73)	MP55	TK55	1.94
845-195-075	195-075	59x44 (2.32x1.73)	MP75	TK75	2.03
845-195-001	195-001	45x45 (1.77x1.77)	MP77	TK77	3.23
845-195-002	195-002	74x45 (2.91x1.77)	MP97	TK97	3.23
845-195-003	195-003	74x74 (2.91x2.91)	MP99	TK99	3.47
845-195-004	195-004	90x90 (3.54x3.54)	MP1111	TK1111	3.84
845-195-009	195-009	110x74 (4.33x2.91)	MP1309	TK1309	3.84
845-195-005	195-005	110x110 (4.33x4.33)	MP1313	TK1313	4.80
845-195-010	195-010	160x74 (6.30x2.91)	MP1809	TK1809	5.32
845-195-006	195-006	150x90 (5.91x3.54)	MP1811	TK1811	4.80
845-195-007	195-007	150x150 (5.91x5.91)	MP1818	TK1818	5.76
845-195-008	195-008	220x150 (8.66x5.91)	MP2518	TK2518	8.03
845-195-012	195-012	331x220 (13.03x8.66)	MP3625	TK3625	20.53

DIN RAILS

DIN rails allow for mounting DIN Terminal Blocks and other control components. All required hardware are included.

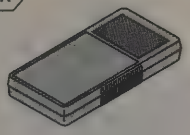
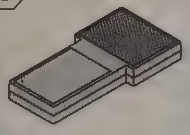


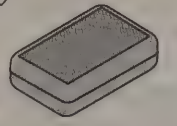
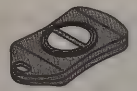
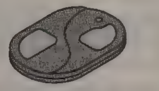
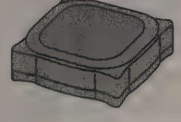
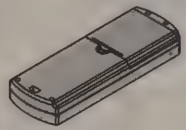
MOUSER STOCK NO.	Altech Part No.	Type	For Series	Price Each
845-Z-629	Z-629	TS15/49.5	TK77, 97	1.42
845-Z-630	Z-630	TS15/80	TK97, 99	1.74
845-Z-631	Z-631	TS15/87	TK1111	1.74
845-Z-632	Z-632	TS15/111	TK1309, 1313	2.19
845-Z-636	Z-636	TS15/154	TK1809	2.74
845-Z-650	Z-650	TS35/81	TK1111	2.16
845-Z-658	Z-658	TS35/106	TK1309, 1313	2.16
845-Z-655	Z-655	TS35/144	TK1809,1811, 1818	2.59
845-Z-652	Z-652	TS35/216	TK2518	3.37
845-Z-663	Z-663	TS35/336	TK3625	5.23

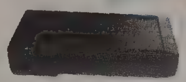
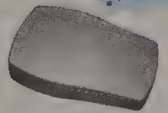
HINGE KITS

Attach the enclosure cover and base together for easy opening and closing of the enclosure. All required hardware and instructions are included.

MOUSER STOCK NO.	Altech Part No.	Type	For Series	Size/Material	Price Each
845-190-002	190-002	HK1	TK77-1809	Small Plastic	3.67
845-190-005	190-005	HK2	TK1811-3625	Large Plastic	6.10

A

B

C NEW FROM SUPPLIER

D

E

F

G

H

I NEW FROM SUPPLIER

J NEW FROM SUPPLIER

K NEW FROM SUPPLIER


GRABBERS HAND HELD BOXES

Style A:
- Available with/without 2.84" x 1.38" LCD cut-out in the display area.
- Has a 9V/AA battery compartment
- UL94V-O flammability rating

Style B:
- Available with/without 4.00" x 1.75" LCD cut-out in the display area.
- Available with/without a 9V/AA battery compartment
- UL94V-O flammability rating

Style F:
- Pocket-sized with molded-in ring suitable for key ring applications.
- UL94-HB flammability rating

Style G:
- Available with/without a 2.84" x 2.03" LCD cutout in the display area
- Available with/without a 9V/AA battery compartment
- UL94V-0 flammability rating
- Wall mounting plate/tilt stand included

Style H:
- UL94-HB flammability rating
- Built-in clear LED light pipe for status monitoring

Style I:
- UL94-5VA flammability rating
- Mar resistant textured surface with PCB mounting bosses

Style J:
- Compact, ergonomic design
- Integral battery compartment, 4AA batteries.
- UL94-HB flammability rating
- Internal PCB mounting bosses
- Recessed top suitable for label or keypad

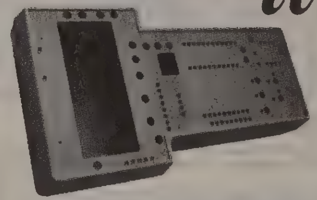
Style K:
- Includes battery compartment-includes battery contacts
- Flushed textures top
- Made with flame retardant, high impact ABS plastic
- UL94V-0 flammability rating

Style L:
- Available with/without battery compartment
- Made of high impact ABS plastic
- UL94V-0 flammability rating
- Designed with ribbed rounded sides that provides a secure and comfortable grasp

Style M:
- Has extra deep pocket on one end that helps provide a better view
- Made of high impact ABS plastic
- UL94V-0 flammability rating

Style N:
- Available with/without battery compartment
- Designed with ribbed round sides that provides a secure and comfortable grasp
- Made with flame retardant, high impact ABS plastic
- UL94V-0 flammability rating

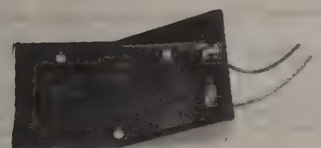
customize it.

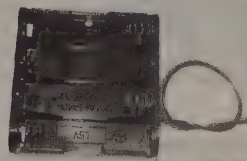


Contact a Mouser Service Represesentative for a custom design solution

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Style	Color	LCD Cut-out	Battery Compartment	Buttons	Dimensions: in. H x W x D	Price Each 1	10	50	100
563-HH-3400-BC	HH-3400-BC	A	A	Gray	No	Yes	No	7.09x3.94x1.57	15.30	12.75	10.94	10.40
563-HH-3401-BC	HH-3401-BC	A	A	Gray	Yes	Yes	No	7.09x3.94x1.57	15.10	12.59	10.80	10.27
563-HH-3420	HH-3420	B	B	Gray	No	No	No	9.33x5.16x1.71	19.00	15.85	14.96	14.25
563-HH-3420-BC	HH-3420-BC	B	B	Gray	No	Yes	No	9.33x5.16x1.71	19.90	16.59	14.23	13.53
563-HH-3421	HH-3421	B	B	Gray	Yes	No	No	9.33x5.16x1.71	18.50	15.42	13.23	12.58
563-HH-3421-BC	HH-3421-BC	B	B	Gray	Yes	Yes	No	9.33x5.16x1.71	19.50	16.25	13.94	13.26
563-HH-3524	HH-3524	C	K	Black	No	Yes	No	4.63X2.85X1.00	9.80	8.17	7.01	6.66
563-HH-3535	HH-3535	C	K	Black	No	Yes	No	5.50X3.25X1.00	11.00	9.17	7.87	7.48
563-HH-3430-BCB	HH-3430-BCB	D	C	Black	No	Yes	No	5.31x2.76x.94	5.50	4.58	3.93	3.74
563-HH-3430-BCG	HH-3430-BCG	D	C	Gray	No	Yes	No	5.31x2.76x.95	5.50	4.58	3.93	3.74
563-HH-3431-BCB	HH-3431-BCB	D	C	Black	No	Yes	No	4.13x2.95x1.04	6.20	5.17	4.43	4.22
563-HH-3431-BCG	HH-3431-BCG	D	C	Gray	No	Yes	No	4.13x2.95x1.05	6.20	5.17	4.43	4.22
563-HH-3492	HH-3492	E	F	Gray	No	No	2	2.23x1.29x.45	5.00	4.17	3.58	3.40
563-HH-3496-B	HH-3496-B	B	G	Black	No	No	No	8.27x4.33x1.59	16.10	13.42	11.51	10.95
563-HH-3496-G	HH-3496-G	B	G	Gray	No	No	No	8.27x4.33x1.59	16.10	13.42	11.51	10.95
563-HH-3497-BC-B	HH-3497-BC-B	B	G	Black	No	Yes	No	8.27x4.33x1.59	16.50	13.75	11.80	11.22
563-HH-3497-BC-G	HH-3497-BC-G	B	G	Gray	No	Yes	No	8.27x4.33x1.59	16.50	13.75	11.80	11.22
563-HH-3499-BC-B	HH-3499-BC-B	B	G	Black	Yes	Yes	No	8.27x4.33x1.59	16.50	13.75	11.80	11.22
563-HH-3499-BC-G	HH-3499-BC-G	B	G	Gray	Yes	Yes	No	8.27x4.33x1.59	16.50	13.75	11.80	11.22
563-HH-3502	HH-3502	F	H	Black	No	No	2	2.72x1.84x1.25	5.00	4.17	3.58	3.40
563-HH-3550	HH-3550	G	I	Black	No	No	No	4.5x4.5x1.5	8.90	7.42	6.36	6.05
563-HH-3570-B	HH-3570-B	H	J	Black	No	Yes	No	7.15x2.56x1.09	7.30	6.08	5.22	4.96
563-HH-3570-G	HH-3570-G	H	J	Gray	No	Yes	No	7.15x2.56x1.09	7.30	6.08	5.22	4.96
563-HH-3580-B	HH-3580-B	I	L	Black	No	No	No	5.71X2.20X1.26	7.10	5.92	5.08	4.83
563-HH-3580-BCB	HH-3580-BCB	I	L	Black	No	Yes	No	5.71X2.20X1.26	8.20	6.83	5.86	5.58
563-HH-3600-B	HH-3600-B	J	M	Black	No	No	No	5.98X3.26X1.31	7.40	6.17	5.29	5.03
563-HH-3610-B	HH-3610-B	K	N	Black	No	No	No	6.69X5.16X1.38	8.10	6.75	5.79	5.51
563-HH-3610-BCB	HH-3610-BCB	K	N	Black	No	Yes	No	6.69X5.16X1.38	9.20	7.67	6.58	6.26

A

B

C


Accessories NEW FROM SUPPLIER

MOUSER STOCK NO.	Bud Part No.	Fig.	Description	Color	Material	Leads	Size/Capacity	Price Each 1	10	50	100
563-HH-3442-C	HH-3442-C	-	AA Contact Kit	- - -	- - -	- - -	- - -	.58	.48	.41	.39
563-HH-3449	HH-3449	A	9V Battery Holder	Black	Flexible Vinyl	6" Long	One 9V	1.20	1.00	.86	.82
563-HH-3630	HH-3630	B	(2) AAA Battery Holder	Black	Polypropylene Plastic	6" Long	Two AAA	1.70	1.42	1.22	1.16
563-HH-3631	HH-3631	C	(4) AAA Battery Holder	Black	Polypropylene Plastic	6" Long	Four AAA	2.90	2.42	2.07	1.97
563-HH-3632	HH-3632	B	(2) AA Battery Holder	Black	Polypropylene Plastic	6" Long	Two AA	1.70	1.42	1.22	1.16
563-HH-3633	HH-3633	C	(4) AA Battery Holder	Black	Polypropylene Plastic	6" Long	Four AA	2.90	2.42	2.07	1.97

BUD Plastic Utility and DIN Rail Mount Boxes

UTILIBOXES

Style "A"

ABS Plastic with flammability rating of 94V-5VA and suggested service temperature of -20°C to +60°C. Comes with close fitting interlocking lid and assembly hardware.
Available with either a flush textured cover, or with a smooth recessed area suitable for labels or keypads. Finish: Textured Black

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Cover Style	Dimensions: in.			Price Each			
				D	W	H	1	5	25	100
With Molded-in Mounting Brackets										
563-CU-3281-MB	CU-3281-MB	A	Textured	3.10	4.60	1.75	9.90	8.25	7.08	6.73
563-CU-3282-MB	CU-3282-MB	A	Textured	4.60	4.60	2.25	11.00	9.17	7.87	7.48
563-CU-3283-MB	CU-3283-MB	A	Textured	4.60	6.10	2.25	11.20	9.34	8.01	7.62
563-CU-3284-MB	CU-3284-MB	A	Textured	4.60	7.60	2.25	14.40	12.00	10.30	9.79
563-CU-3285-MB	CU-3285-MB	A	Textured	5.15	8.25	3.00	17.40	14.50	12.44	11.83
563-CUR-3285-MB	CUR-3285-MB	B	Recessed	5.15	8.25	3.00	18.30	15.25	13.08	12.44
563-CU-3286-MB	CU-3286-MB	A	Textured	6.15	10.15	3.13	22.00	18.34	15.73	14.96
563-CUR-3286-MB	CUR-3286-MB	B	Recessed	6.15	10.15	3.13	22.00	18.34	15.73	14.96
Without Mounting Brackets										
563-CU-3281	CU-3281	A	Textured	3.10	4.60	1.75	7.20	6.00	5.15	4.90
563-CU-3282	CU-3282	A	Textured	4.60	4.60	2.25	8.00	6.67	5.72	5.44
563-CU-3283	CU-3283	A	Textured	4.60	6.10	2.25	9.20	7.67	6.58	6.26
563-CU-3284	CU-3284	A	Textured	4.60	7.60	2.25	11.10	9.25	7.94	7.55
563-CU-3285	CU-3285	A	Textured	5.15	8.25	3.00	17.20	14.34	12.30	11.70
563-CUR-3285	CUR-3285	B	Recessed	5.15	8.25	3.00	18.10	15.09	12.94	12.31
563-CU-3286	CU-3286	A	Textured	6.15	10.15	3.13	22.00	18.34	15.73	14.96
563-CUR-3286	CUR-3286	B	Recessed	6.15	10.15	3.13	22.00	18.34	15.73	14.96

Style "D"

High impact Polystyrene with UL94-HB flammability rating. Comes with close-fitting interlocking lid and assembly hardware. Provisions for mounting horizontal PCB. Finish: Black

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Dimensions: in.			Price Each			
			D	W	H	1	5	25	100
With Molded-in Mounting Brackets									
563-CU741MB	CU-741-MB	A	1.51	2.26	0.79	2.90	2.42	2.07	1.97
563-CU742MB	CU-742-MB	A	3.00	2.50	1.00	6.80	5.67	4.86	4.62
Without Mounting Brackets									
563-CU741	CU-741	A	1.51	2.26	0.79	2.90	2.42	2.07	1.97
563-CU742	CU-742	A	3.00	2.50	1.00	6.70	5.58	4.79	4.56

Style "G"

ABS plastic with 94V-O flammability rating. Suggested service temperature of -20°C to +60°C. Comes with close fitting interlocking lid and assembly hardware. Horizontal PCB mounting bosses.
Finish: Textured Black

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Dimensions: in.			Price Each			
			D	W	H	1	5	25	100
With Molded-in Mounting Brackets									
563-CU-387-MB	CU-387-MB	A	4.34	5.59	1.75	7.30	6.08	5.22	4.96
563-CU-388-MB	CU-388-MB	A	3.06	4.31	1.37	5.90	4.92	4.22	4.01
563-CU-389-MB	CU-389-MB	A	3.57	5.07	1.50	6.80	5.67	4.86	4.62
Without Mounting Brackets									
563-CU-387	CU-387	A	4.34	5.59	1.75	7.20	6.00	5.15	4.90
563-CU-388	CU-388	A	3.06	4.31	1.37	5.80	4.83	4.15	3.94
563-CU-389	CU-389	A	3.57	5.07	1.50	6.70	5.58	4.79	4.56

Style "J"

ABS plastic with flammability rating of UL94-HB and suggested service temperature of -40°C to +80°C. Internal PCB card guides accept both horizontal and vertical boards. Comes with grid pattern on underside of cover for modification reference points. Finish: Black

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Dimensions: in.			Price Each			
			D	W	H	1	5	25	100
With Molded-in Mounting Brackets									
563-CU-1941-MB	CU-1941-MB	C	2.13	3.27	1.12	2.20	1.83	1.57	1.50
563-CU-1943-MB	CU-1943-MB	C	2.68	5.12	1.61	3.20	2.67	2.29	2.18
563-CU-1945-MB	CU-1945-MB	C	3.76	6.21	2.00	4.80	4.00	3.43	3.26
563-CU-1947-MB	CU-1947-MB	C	4.45	7.77	2.38	5.80	4.83	4.15	3.94
Without Mounting Brackets									
563-CU-1941	CU-1941	C	2.13	3.27	1.12	2.10	1.75	1.50	1.43
563-CU-1943	CU-1943	C	2.68	5.12	1.61	3.00	2.50	2.15	2.04
563-CU-1945	CU-1945	C	3.76	6.21	2.00	4.80	4.00	3.43	3.26
563-CU-1947	CU-1947	C	4.45	7.77	2.38	5.80	4.83	4.15	3.94

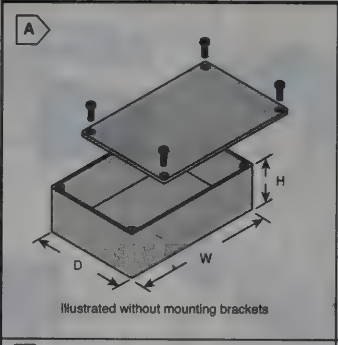
Style "K"

ABS plastic, UL94-HB flammability rating.
Three versions available:
- Version 1 - press-fit cover, and molded-in wire entry points.
- Version 2 - screwed-on cover, molded-in wire entry points, and recessed area on cover for decal.
- Version 3 - snap-fit cover, and wire entry port.

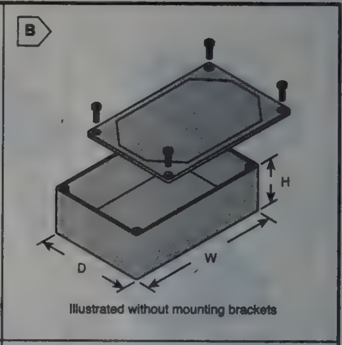
Molded-in external wall/panel mounting tabs.
Finish: Black

For quantities of 250 and up, call for quote.

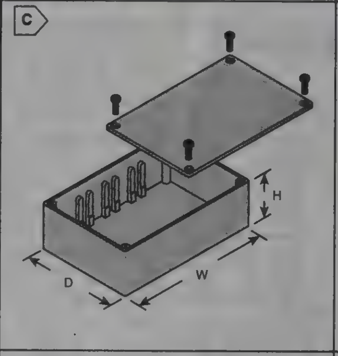
MOUSER STOCK NO.	Bud Part No.	Fig.	Version	Dimensions: in.			Price Each			
				D	W	H	1	5	25	100
563-CU-1950	CU-1950	D	1	1.50	2.56	0.79	1.50	1.25	1.07	1.02
563-CU-1951	CU-1951	D	1	1.50	2.56	0.98	1.60	1.33	1.14	1.09
563-CU-1952	CU-1952	D	1	1.73	2.83	0.79	1.80	1.50	1.29	1.22
563-CU-1953	CU-1953	D	1	1.73	2.83	0.98	1.90	1.58	1.36	1.29
563-CU-1954	CU-1954	D	2	2.24	3.23	1.14	2.40	2.00	1.72	1.63
563-CU-1955	CU-1955	E	3	2.69	3.48	1.29	2.50	2.08	1.79	1.70

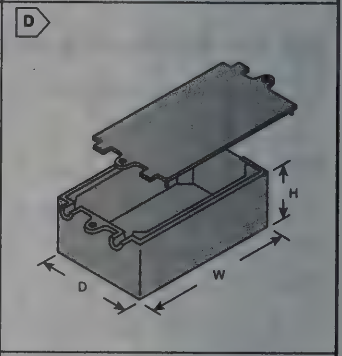


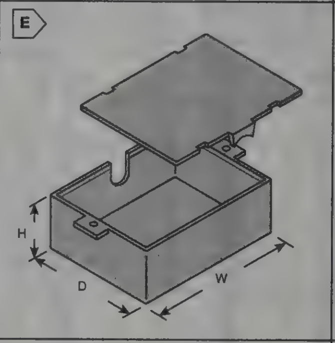
Illustrated without mounting brackets

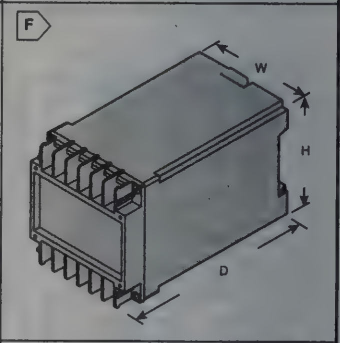


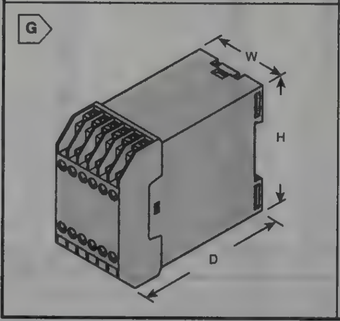
Illustrated without mounting brackets

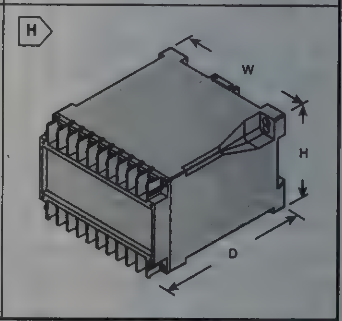












DIN RAIL MOUNT BOXES

Durable UL94V-0 rated ABS plastic housing. External clamp type contacts have M3 screws and lock washers. Internal solder tab contacts. All contacts are tin plated brass and have a 10Amp rating. Internal horizontal and vertical PCB card guides. Screw attached front covers with recessed area for labels. Fits standard DIN rail.
Finish: Light Gray

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	No. of Contacts	Dimensions: in.			Price Each			
				D	W	H	1	5	25	100
563-DB-4701	DB-4701	F	12	2.57	2.76	4.43	12.90	10.75	9.22	8.77
563-DB-4702	DB-4702	F	16	3.23	2.76	4.43	15.20	12.67	10.87	10.34
563-DB-4703	DB-4703	F	20	3.94	2.76	4.43	17.80	14.84	12.73	12.10
563-DB-4704	DB-4704	F	24	4.61	2.76	4.43	23.00	19.17	16.45	15.64
With Tiered Contacts										
563-DB-4754	DB-4754	G	12	0.89	3.22	3.90	15.20	12.67	10.87	10.34
563-DB-4751	DB-4751	G	24	1.72	3.22	3.90	23.00	19.17	16.45	15.64
With Panel Mounting Option										
563-DB-4713	DB-4713	H	20	3.94	2.76	4.43	17.80	14.84	12.73	12.10
563-DB-4715	DB-4715	H	32	5.91	2.76	4.43	23.00	19.17	16.45	15.64

BUD NEMA Enclosures

UL/NEMA/IEC ENCLOSURES

cULus LISTED E194432

- Designed to IP65 of IEC529 and NEMA 1, 2, 4, 4x, 12, and 13 specifications.
- UL listed to UL508-4X requirements.
- Suggested service temperature range: -40 to +70ºC
- Clear doors are polycarbonate with UL94-V0 flammability rating.
- These gasketed enclosures can be used in many wet, dirty, and/or corrosive environments.
- Hardware and accessories are available.

NBA Series

- ABS/PC blended plastic with UL94-5VA flammability rating.
- Stainless steel hinges and latches

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Fig.	Door	Dimensions: in.			Price Each
				D	W	H	
563-NBA-10142	NBA-10142	A	Solid	5.90	7.90	11.80	56.80
563-NBA-10162	NBA-10162	A	Clear	5.90	7.90	11.80	63.90
563-NBA-10144	NBA-10144	A	Solid	7.10	7.90	11.80	67.30
563-NBA-10164	NBA-10164	A	Clear	7.10	7.90	11.80	75.80
563-NBA-10148	NBA-10148	A	Solid	7.10	11.80	15.80	99.20
563-NBA-10168	NBA-10168	A	Clear	7.10	11.80	15.80	106.50
563-NBA-10152	NBA-10152	A	Solid	7.87	15.75	19.68	147.60
563-NBA-10172	NBA-10172	A	Clear	7.87	15.75	19.68	176.60
563-NBA-10156	NBA-10156	A	Solid	9.06	15.75	23.61	148.35
563-NBA-10176	NBA-10176	A	Clear	9.06	15.75	23.61	177.30

NBD Series

- **Indoor:** ABS/PC blended plastic enclosures: molded from Gray material w/ UL94-5VA flammability rating.
- **Outdoor Version:** PC/PBT blended plastic enclosures: molded from Light Gray material w/ UL94-5VA flammability rating & UV stabilized.

For quantities of 10 and up, call for quote.

Indoor Series							
563-NBD-10442	NBD-10442	B	Solid	5.03	7.48	11.02	44.70
563-NBD-10462	NBD-10462	B	Clear	5.03	7.48	11.02	44.70
563-NBD-10445	NBD-10445	B	Solid	7.00	7.53	15.00	67.20
563-NBD-10465	NBD-10465	B	Clear	7.00	7.53	15.00	67.20
563-NBD-10449	NBD-10449	B	Solid	5.11	11.05	13.42	64.25
563-NBD-10469	NBD-10469	B	Clear	5.11	11.05	13.42	61.60
563-NBD-10452	NBD-10452	B	Solid	7.01	11.02	14.96	85.30
563-NBD-10472	NBD-10472	B	Clear	7.01	11.02	14.96	85.30
563-NBD-10456	NBD-10456	B	Solid	7.04	14.97	22.08	145.40
563-NBD-10476	NBD-10476	B	Clear	7.04	14.97	22.08	138.50
Outdoor Series							
563-NBD15442	NBD-15442	B	Solid	5.03	7.48	11.02	47.40
563-NBD-15445	NBD-15445	B	Solid	7.00	7.53	15.00	72.30
563-NBD-15449	NBD-15449	B	Solid	5.11	11.05	13.42	72.60
563-NBD-15452	NBD-15452	B	Solid	7.01	11.02	14.96	92.60
563-NBD-15456	NBD-15456	B	Solid	7.04	14.97	22.08	167.35

NBB Series

- **Indoor:** ABS/PC blended plastic enclosures: molded Light Gray material w/UL94-5VA flammability rating
- **Outdoor:** PC/PBT blended plastic enclosures: molded Light Gray material w/UL94-5VA flammability rating/ UV stabilized
- Non-metallic steel hinges and latches

For quantities of 10 and up, call for quote.

Indoor Series							
563-NBB-10220	NBB-10220	C	Solid	2.75	3.94	5.11	14.40
563-NBB-10230	NBB-10230	C	Clear	2.75	3.94	5.11	14.40
563-NBB-10221	NBB-10221	C	Solid	2.75	3.94	5.90	19.40
563-NBB-10231	NBB-10231	C	Clear	2.75	3.94	5.90	19.40
563-NBB-10222	NBB-10222	C	Solid	2.75	3.94	7.87	20.60
563-NBB-10232	NBB-10232	C	Clear	2.75	3.94	7.87	20.60
563-NBB-10223	NBB-10223	C	Solid	2.75	3.94	10.63	22.70
563-NBB-10233	NBB-10233	C	Clear	2.75	3.94	10.63	22.70
563-NBB-10240	NBB-10240	C	Solid	3.50	5.90	5.90	19.85
563-NBB-10260	NBB-10260	C	Clear	3.50	5.90	5.90	23.20
563-NBB-10241	NBB-10241	C	Solid	4.33	6.79	10.73	39.70
563-NBB-10261	NBB-10261	C	Clear	4.33	6.79	10.73	41.70
563-NBB-10243	NBB-10243	C	Solid	5.50	7.50	11.40	44.00
563-NBB-10263	NBB-10263	C	Clear	5.50	7.50	11.40	48.10
563-NBB-10245	NBB-10245	C	Solid	7.10	11.80	11.80	60.80
563-NBB-10265	NBB-10265	C	Clear	7.10	11.80	11.80	66.30
563-NBB-10247	NBB-10247	C	Solid	6.30	11.73	15.68	58.40
563-NBB-10267	NBB-10267	C	Clear	6.30	11.73	15.68	67.00
563-NBB-10251	NBB-10251	C	Solid	5.90	10.55	14.52	53.80
563-NBB-10271	NBB-10271	C	Clear	5.90	10.55	14.52	53.80
563-NBB-10253	NBB-10253	C	Solid	7.85	14.64	19.17	99.80
563-NBB-10273	NBB-10273	C	Clear	7.85	14.64	19.17	108.90
563-NBB-10258	NBB-10258	C	Solid	9.87	21.03	28.91	264.35
563-NBB-10278	NBB-10278	C	Clear	9.87	21.03	28.91	288.35
Outdoor Series							
563-NBB-15240	NBB-15240	C	Solid	3.57	5.90	5.90	23.40
563-NBB-15243	NBB-15243	C	Solid	5.50	7.47	11.28	46.50
563-NBB-15245	NBB-15245	C	Solid	7.04	13.00	13.00	69.30
563-NBB-15247	NBB-15247	C	Solid	6.30	11.73	15.68	65.95
563-NBB-15253	NBB-15253	C	Solid	7.85	14.64	19.17	113.80
563-NBB-15258	NBB-15258	C	Solid	9.87	21.03	28.91	364.10

NBE Series

- ABS/PC blended plastic enclosures: molded out of Light Gray material with UL94-5VA flammability rating.

For quantities of 10 and up, call for quote.

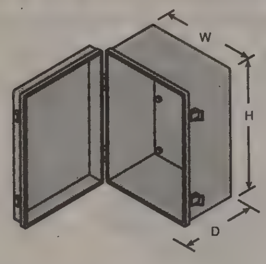
563-NBE-10543	NBE-10543	D	Solid	5.50	7.47	11.28	69.05
563-NBE-10563	NBE-10563	D	Clear	5.50	7.47	11.28	69.05
563-NBE-10547	NBE-10547	D	Solid	6.30	11.73	15.68	86.10
563-NBE-10567	NBE-10567	D	Clear	6.30	11.73	15.68	90.45
563-NBE-10553	NBE-10553	D	Solid	7.85	14.64	19.17	130.35
563-NBE-10573	NBE-10573	D	Clear	7.85	14.64	19.17	136.85
563-NBE-10558	NBE-10558	D	Solid	9.87	21.03	28.91	357.05
563-NBE-10578	NBE-10578	D	Clear	9.87	21.03	28.91	374.90

CABLE GLANDS

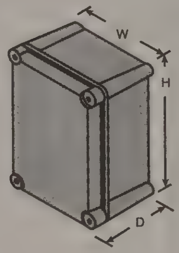
Required to maintain NEMA 4X rating when cables enter or exit a NEMA 4 or 4X type enclosure. Assembly consisting of Black molded nylon body, hex nut, and cable nut and with a rubber gasket and cable seal. Nylon material has UL94V-2 flammability rating and -40°C to 100°C suggested service temperature.

MOUSER STOCK NO.	Bud Part No.	Fig.	Mounting Size	Mounting Hole Dia. (in.)	Cable Range (In.)	Price Each			
						1	10	100	200
563-NG-9511	NG-9511	E	PG-7	0.50	.12-.26	1.70	1.28	1.19	1.11
563-NG-9512	NG-9512	E	PG-9	0.61	.16-.31	1.70	1.28	1.19	1.11
563-NG-9513	NG-9513	E	PG-11	0.73	.20-.39	1.80	1.35	1.26	1.17
563-NG-9514	NG-9514	E	PG-13.5	0.81	.24-.47	2.30	1.73	1.61	1.50
563-NG-9515	NG-9515	E	PG-16	0.89	.39-.55	2.50	1.88	1.75	1.63
563-NG-9516	NG-9516	E	PG-21	1.12	.51-.71	3.20	2.65	2.40	2.10
563-NG-9517	NG-9517	E	PG-29	1.47	.71-.98	7.00	5.85	5.25	4.55

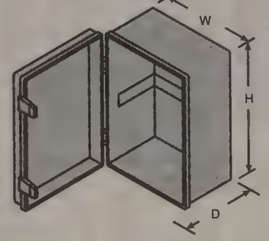
A



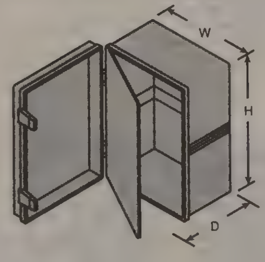
B



C



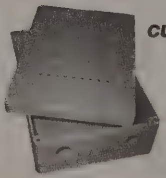
D



E

Contact a Mouser Service Representative for a custom design solution

customize*it.*



BUD Plastic Enclosures

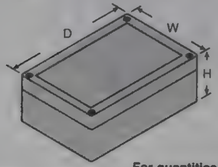
NEMA 1, 2, 4, 4X, 12 & 13, UL508 POLYCARBONATE AND ABS ENCLOSURES

Polycarbonate & high-impact ABS molded enclosures that meet NEMA 4X specifications, are ideal for PCB enclosures, junction boxes, & other applications in the electrical & electronic industry.

NEW FROM SUPPLIER

Style 1

- Light Gray polycarbonate body and cover.
- Body/Cover - UV stabilized, UL94-2 flammability rating.
- Suggested service temperature: -40°C to 120°C



LISTED
E194432

Style 2

- Light Gray polycarbonate body and Clear polycarbonate cover.
- Body/Cover - UV stabilized, UL94-2 flammability rating.
- Suggested service temperature: -40°C to 120°C

Style 3

- Dark Gray ABS body and cover.
- Body/Cover - UL94-HB flammability rating.
- Suggested service temperature: 40°C to 80°C

Style 4

- Transparent Blue body and cover.
- Body/Cover - UL94V2 flammability rating.
- UV stabilized Polycarbonate plastic.
- Suitable for wet, dry and/or corrosive environments.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in.			Price Each
		D	W	H	
563-PN-1320	PN-1320	2.56	2.28	1.38	7.40
563-PN-1321	PN-1321	4.53	2.56	1.57	10.80
563-PN-1322	PN-1322	4.53	2.56	2.17	11.70
563-PN-1323	PN-1323	4.53	3.54	2.17	13.40
563-PN-1324	PN-1324	6.73	4.76	2.17	18.80
563-PN-1325	PN-1325	8.74	5.75	2.17	24.90
563-PN-1326	PN-1326	7.68	3.15	2.17	18.80
563-PN-1327	PN-1327	6.73	4.76	3.15	21.30
563-PN-1328	PN-1328	4.53	3.54	3.15	16.40
563-PN-1329	PN-1329	8.74	5.75	2.95	28.60
563-PN-1330	PN-1330	2.05	1.97	1.38	5.90
563-PN-1331	PN-1331	3.23	3.15	2.17	11.30
563-PN-1332	PN-1332	6.30	3.15	2.17	15.40
563-PN-1333	PN-1333	6.30	3.15	3.35	16.50
563-PN-1334	PN-1334	7.87	4.72	2.95	23.40
563-PN-1335	PN-1335	10.43	7.28	3.74	38.40
563-PN-1336	PN-1336	4.72	4.72	2.36	16.80
563-PN-1337	PN-1337	4.72	4.72	3.54	18.20
563-PN-1338	PN-1338	6.30	6.30	2.36	23.30
563-PN-1339	PN-1339	6.30	6.30	3.54	25.00
563-PN-1340	PN-1340	9.45	6.30	3.54	29.80
563-PN-1341	PN-1341	9.45	6.30	4.72	37.00
563-PN-1342	PN-1342	11.81	9.06	3.39	69.20
563-PN-1343	PN-1343	11.81	9.06	4.37	77.60
563-PN-1344	PN-1344	14.17	7.87	5.91	93.60

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each
563-PN-1320-C	PN-1320-C	7.70
563-PN-1321-C	PN-1321-C	11.10
563-PN-1322-C	PN-1322-C	12.00
563-PN-1323-C	PN-1323-C	13.90
563-PN-1324-C	PN-1324-C	19.40
563-PN-1325-C	PN-1325-C	25.50
563-PN-1326-C	PN-1326-C	18.80
563-PN-1327-C	PN-1327-C	21.30
563-PN-1328-C	PN-1328-C	16.40
563-PN-1329-C	PN-1329-C	28.60
563-PN-1330-C	PN-1330-C	6.10
563-PN-1331-C	PN-1331-C	11.50
563-PN-1332-C	PN-1332-C	15.70
563-PN-1333-C	PN-1333-C	16.80
563-PN-1334-C	PN-1334-C	23.70
563-PN-1335-C	PN-1335-C	38.40
563-PN-1336-C	PN-1336-C	16.80
563-PN-1337-C	PN-1337-C	18.20
563-PN-1338-C	PN-1338-C	23.30
563-PN-1339-C	PN-1339-C	25.00
563-PN-1340-C	PN-1340-C	29.80
563-PN-1341-C	PN-1341-C	37.00
563-PN-1342-C	PN-1342-C	69.20
563-PN-1343-C	PN-1343-C	77.60
563-PN-1344-C	PN-1344-C	93.60

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each
563-PN-1320-DG	PN-1320-DG	5.90
563-PN-1321-DG	PN-1321-DG	7.60
563-PN-1322-DG	PN-1322-DG	8.50
563-PN-1323-DG	PN-1323-DG	10.35
563-PN-1324-DG	PN-1324-DG	14.90
563-PN-1325-DG	PN-1325-DG	20.20
563-PN-1326-DG	PN-1326-DG	12.35
563-PN-1327-DG	PN-1327-DG	14.70
563-PN-1328-DG	PN-1328-DG	11.10
563-PN-1329-DG	PN-1329-DG	18.00
563-PN-1330-DG	PN-1330-DG	5.20
563-PN-1331-DG	PN-1331-DG	8.10
563-PN-1332-DG	PN-1332-DG	11.80
563-PN-1333-DG	PN-1333-DG	13.00
563-PN-1334-DG	PN-1334-DG	17.30
563-PN-1335-DG	PN-1335-DG	29.10
563-PN-1336-DG	PN-1336-DG	12.20
563-PN-1337-DG	PN-1337-DG	13.00
563-PN-1338-DG	PN-1338-DG	17.60
563-PN-1339-DG	PN-1339-DG	18.80
563-PN-1340-DG	PN-1340-DG	23.90
563-PN-1341-DG	PN-1341-DG	27.40
563-PN-1342-DG	PN-1342-DG	44.40
563-PN-1343-DG	PN-1343-DG	47.00
563-PN-1344-DG	PN-1344-DG	55.30

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Price Each
563-BT-2723	BT-2723	14.60
563-BT-2724	BT-2724	21.30
563-BT-2725	BT-2725	28.10
563-BT-2727	PBT-2727	24.90
563-BT-2734	BT-2734	24.30
563-BT-2740	BT-2740	34.10
563-BT-2742	BT-2742	79.00

customize *it.*

Contact a Mouser Service Representative for a custom design solution

PLASTIBOX™

PS: Textured body with smooth top insert for silk screening capability
PT: Textured body with textured top
PBS: Textured body with smooth top insert and 9V battery compartment

Style A:

- Has squared corners, provisions for mounting horizontal and vertical PCBs, and four non-skid feet
- UL94-HB flammability rating
- Temperature rating -40°C to +60°C
- Available in Black or Gray

Style F:

- Has squared corners and provisions for mounting horizontal and vertical PCBs
- UL94-HB flammability rating
- Temperature rating -40°C to +80°C
- Available in Black or Gray

Style H:

- Has rounded corners and edges and provisions for mounting horizontal PCBs
- UL94-5VA flammability rating
- Temperature rating -20°C to +70°C
- Available with molded-in external wall mounting brackets
- Available in Black (other colors available upon request)

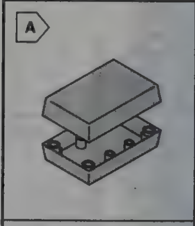
Style I:

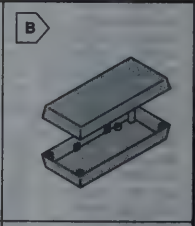
- Unique, contemporary styling with rounded corners and edges
- Durable, self-extinguishing, ABS plastic material with UL94-5VA flammability rating
- Mar resistant textured surface
- Internal PCB mounting bosses
- Base is securely attached to the cover with four color matched screws
- PT-11754-DW features a display window
- Color: Black

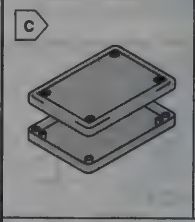
Contact a Mouser Service Representative for custom modification.

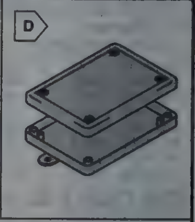
For quantities of 250 and up, call for quote.

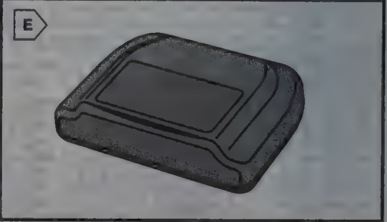
MOUSER STOCK NO.	Bud Part No.	Fig.	Color	Style	Outside Dimensions: in. H x W x D	Price Each			
						1	5	25	100
563-PT-11308-B	PT-11308-B	H	Black	A	3.62 x 2.25 x 1.50	6.70	5.58	4.79	4.56
563-PT-11308-G	PT-11308-G	H	Gray	A	3.62 x 2.25 x 1.50	6.70	5.58	4.79	4.56
563-PBS-11327-B	PBS-11327-B	H	Black	A	5.62 x 3.25 x 1.50	11.30	9.42	8.08	7.68
563-PBS-11327-G	PBS-11327-G	H	Gray	A	5.62 x 3.25 x 1.50	11.30	9.42	8.08	7.68
563-PT-11372-B	PT-11372-B	H	Black	A	3.62 x 2.25 x 2.50	8.10	6.75	5.79	5.51
563-PT-11372-G	PT-11372-G	H	Gray	A	3.62 x 2.25 x 2.50	8.10	6.75	5.79	5.51
563-PT-11388-B	PT-11388-B	H	Black	A	5.62 x 3.25 x 2.48	10.40	8.67	7.44	7.07
563-PT-11388-G	PT-11388-G	H	Gray	A	5.62 x 3.25 x 2.48	11.30	9.42	8.08	7.68
563-PS-11521-B	PS-11521-B	I	Black	F	3.62 x 2.25 x 1.01	3.10	2.58	2.22	2.11
563-PS-11521-G	PS-11521-G	I	Gray	F	3.62 x 2.25 x 1.01	3.10	2.58	2.22	2.11
563-PT-11557-B	PT-11557-B	I	Black	F	6.87 x 4.87 x 2.52	7.20	6.00	5.15	4.90
563-PT-11557-G	PT-11557-G	I	Gray	F	6.87 x 4.87 x 2.52	7.20	6.00	5.15	4.90
563-PBS-11532-B	PBS-11532-B	I	Black	F	4.37 x 3.25 x 1.52	4.80	4.00	3.43	3.26
563-PBS-11532-G	PBS-11532-G	I	Gray	F	4.37 x 3.25 x 1.52	4.80	4.00	3.43	3.26
563-PS-11533-B	PS-11533-B	I	Black	F	4.37 x 3.25 x 1.52	4.80	4.00	3.43	3.26
563-PS-11533-G	PS-11533-G	I	Gray	F	4.37 x 3.25 x 1.52	4.80	4.00	3.43	3.26
563-PS-11543-B	PS-11543-B	I	Black	F	5.62 x 3.25 x 1.52	5.50	4.58	3.93	3.74
563-PS-11543-G	PS-11543-G	I	Gray	F	5.62 x 3.25 x 1.52	5.50	4.58	3.93	3.74
563-PS-11553-B	PS-11553-B	I	Black	F	6.87 x 4.87 x 1.52	6.80	5.67	4.86	4.62
563-PS-11553-G	PS-11553-G	I	Gray	F	6.87 x 4.87 x 1.52	6.80	5.67	4.86	4.62
563-PT-11630	PT-11630	J	Black	H	4.00 x 2.00 x 1.12	6.10	5.08	4.36	4.15
563-PT-11642	PT-11642	J	Black	H	4.25 x 2.62 x 1.25	7.20	6.00	5.15	4.90
563-PT-11653	PT-11653	J	Black	H	5.62 x 3.25 x 1.12	7.80	6.50	5.58	5.30
563-PT-11657	PT-11657	J	Black	H	5.62 x 3.25 x 1.38	7.70	6.42	5.51	5.24
563-PT-11664	PT-11664	J	Black	H	6.00 x 4.00 x 1.12	8.50	7.08	6.08	5.78
563-PT-11668	PT-11668	J	Black	H	6.00 x 4.00 x 1.50	8.10	6.75	5.79	5.51
563-PT-11630-MB	PT-11630-MB	K	Black	H	4.00 x 2.00 x 1.12	6.10	5.08	4.36	4.15
563-PT-11642-MB	PT-11642-MB	K	Black	H	4.25 x 2.62 x 1.25	7.20	6.00	5.15	4.90
563-PT-11653-MB	PT-11653-MB	K	Black	H	5.62 x 3.25 x 1.12	7.80	6.50	5.58	5.30
563-PT-11657-MB	PT-11657-MB	K	Black	H	5.62 x 3.25 x 1.38	7.70	6.42	5.51	5.24
563-PT-11664-MB	PT-11664-MB	K	Black	H	6.00 x 4.00 x 1.12	8.50	7.08	6.08	5.78
563-PT-11668-MB	PT-11668-MB	K	Black	H	6.00 x 4.00 x 1.50	8.10	6.75	5.79	5.51
563-PT-11743	PT-11743	L	Black	I	3.00 x 4.00 x 1.38	7.10	5.92	5.08	4.83
563-PT-11754	PT-11754	L	Black	I	4.00 x 5.50 x 1.38	9.90	8.25	7.08	6.73
563-PT-11754-DW	PT-11754-DW	L	Black	I	4.00 x 5.50 x 1.38	9.90	8.25	7.08	6.73
563-PT-11785	PT-11785	L	Black	I	5.00 x 7.50 x 1.75	13.20	11.00	9.44	8.98
563-PT-11785-MP	PT-11785-MP	L	Black	I	5.00x7.50x1.75	12.10	10.09	8.65	8.23

A


B


C


D


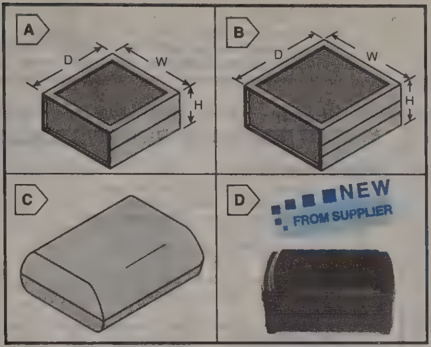
E


BUD Plastic Enclosures

PLASTICASE™

- UL94-HB flammability rating
- Impact resistant Polystyrene
- Molded-in card guides and mounting bosses
- Comes complete with stainless steel screws and rubber feet
- Finish: Double-Textured PC Bone Gray

Contact a Mouser Service Representative for custom modification.



For quantities of 250 and up, call for quote.

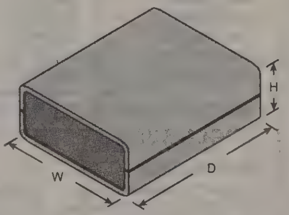
MOUSER STOCK NO.	Bud Part No.	Fig.	Dimensions: in. D	W	H	Panel Size (In.) H x W	Price Each 1	5	25	100
563-PC-11402	PC-11402	A	5.30	5.08	1.53	1.31 x 4.75	14.60	12.17	10.44	9.93
563-PC-11403	PC-11403	A	5.30	7.06	1.53	1.31 x 6.73	18.00	15.00	12.87	12.24
563-PC-11404	PC-11404	A	9.62	6.33	1.55	1.33 x 5.99	21.60	18.00	15.44	14.69
563-PC-11406	PC-11406	A	6.32	6.12	2.52	2.31 x 5.75	18.70	15.59	13.37	12.72
563-PC-11408	PC-11408	A	6.32	8.10	2.52	2.31 x 7.75	22.40	18.67	16.02	15.23
563-PC-11410	PC-11410	B	6.32	6.12	3.30	3.09 x 5.75	23.10	19.25	16.52	15.71
563-PC-11412	PC-11412	B	6.32	8.10	3.30	3.09 x 7.75	26.70	22.25	19.09	18.16
563-PC-11414	PC-11414	B	6.32	6.12	4.04	3.83 x 5.75	24.30	20.25	17.37	16.52
563-PC-11416	PC-11416	B	6.32	8.10	4.04	3.83 x 7.75	28.40	23.67	20.31	19.31
563-PC-11418	PC-11418	B	5.30	5.08	2.06	1.84 x 4.75	16.80	14.00	12.01	11.42
563-PC-11420	PC-11420	B	5.30	7.06	2.06	1.84 x 6.73	20.00	16.67	14.30	13.60
563-PC-11535	PC-11535	C	5.00	3.80	1.50	---	10.80	9.00	7.72	7.34
563-PC-11555	PC-11555	C	5.50	5.25	1.63	---	12.70	10.59	9.08	8.64
563-PC-11565	PC-11565	C	6.75	6.25	1.63	---	13.90	11.59	9.94	9.45
563-PC-11640	PC-11640	D	9.18	5.25	1.68	---	13.30	11.09	9.51	9.04
563-PC-11645	PC-11645	D	9.18	5.25	2.36	---	13.70	11.42	9.80	9.32

PI SERIES

This line of molded enclosures is ideally suited for instrumentation and telecom equipment from hand held to desk top sizes. Available in twelve sizes and two versions.

Version #1 - Dark Gray ABS covers with Light Gray ABS end panels. UL94V-0 flammability rating, suggested service temperature -40°C to 80°C.

Version #2 - Light Gray ABS covers with Dark Gray ABS end panels. UL94-HB flammability rating, suggested service temperature -40°C to 80°C.



Design Features:

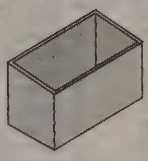
- Designed to IP 54 of IEC 529
- Two part design with tongue and groove joint between top and bottom covers and specially designed end panels.
- Internal guide slots provide for vertical mounting of PCBs.
- Internal bosses provided for horizontal mounting of PCBs.
- Top and bottom covers are lightly textured providing a scratch-resistant high quality finish.
- Four screws are countersunk in the bottom cover and threaded into internal bosses which secure the top cover and end panels. Contact a Mouser Service Representative for custom modifications.

For quantities of 250 and up, call for quote.

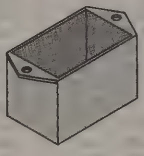
MOUSER STOCK NO.	Bud Part No.	Dimensions: in. D	W	H	Price Each 1	5	25	100
Version 1								
563-PI-1900	PI-1900	3.54	1.97	0.63	3.00	2.50	2.15	2.04
563-PI-1901	PI-1901	3.54	1.97	0.94	3.40	2.83	2.43	2.31
563-PI-1902	PI-1902	3.54	1.97	1.26	3.50	2.92	2.50	2.38
563-PI-1903	PI-1903	4.72	2.36	1.18	5.50	4.58	3.93	3.74
563-PI-1904	PI-1904	4.72	2.36	1.57	6.20	5.17	4.43	4.22
563-PI-1905	PI-1905	4.72	2.36	1.97	7.40	6.17	5.29	5.03
563-PI-1906	PI-1906	5.91	3.15	1.18	7.90	6.58	5.65	5.37
563-PI-1907	PI-1907	5.91	3.15	1.77	9.30	7.75	6.65	6.32
563-PI-1908	PI-1908	5.91	3.15	2.36	10.80	9.00	7.72	7.34
563-PI-1909	PI-1909	7.48	3.94	1.57	12.50	10.42	8.94	8.50
563-PI-1910	PI-1910	7.48	3.94	2.36	13.80	11.50	9.87	9.38
563-PI-1911	PI-1911	7.48	3.94	3.15	15.60	13.00	11.15	10.61
Version 2								
563-PI-1900-LG	PI-1900-LG	3.54	1.97	0.63	2.70	2.25	1.93	1.84
563-PI-1901-LG	PI-1901-LG	3.54	1.97	0.94	3.00	2.50	2.15	2.04
563-PI-1902-LG	PI-1902-LG	3.54	1.97	1.26	3.20	2.67	2.29	2.18
563-PI-1903-LG	PI-1903-LG	4.72	2.36	1.18	4.90	4.08	3.50	3.33
563-PI-1904-LG	PI-1904-LG	4.72	2.36	1.57	6.00	5.00	4.29	4.08
563-PI-1905-LG	PI-1905-LG	4.72	2.36	1.97	6.60	5.50	4.72	4.49
563-PI-1906-LG	PI-1906-LG	5.91	3.15	1.18	7.00	5.83	5.01	4.76
563-PI-1907-LG	PI-1907-LG	5.91	3.15	1.77	8.30	6.92	5.93	5.64
563-PI-1908-LG	PI-1908-LG	5.91	3.15	2.36	9.50	7.92	6.79	6.46
563-PI-1909-LG	PI-1909-LG	7.48	3.94	1.57	10.60	8.84	7.58	7.21
563-PI-1910-LG	PI-1910-LG	7.48	3.94	2.36	12.00	10.00	8.58	8.16
563-PI-1911-LG	PI-1911-LG	7.48	3.94	3.15	13.50	11.25	9.65	9.18

POTTING BOXES AND COVERS

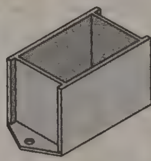
Available in 3 styles and a variety of sizes, these low cost enclosures are made of tough, lightweight ABS thermoplastic. Flammability rating: UL94V-0. Suggested service temperature -20°C to +70°C. Optional close-fitting covers are available in all sizes.



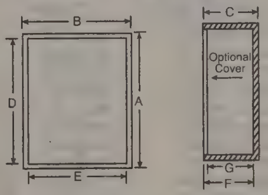
Style "A" No Flange



Style "B" Top Flange



Style "C" Bottom Flange



For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Bud Part No.	Dimensions: in. A	B	C	D	E	F	G	Price Each 1	10	100	500	MOUSER STOCK NO.	Bud Part No.	Price Each 1	10	100	500
Style A													**Cover**					
563-PB-1558	PB-1558	2.00	1.50	1.00	1.86	1.36	0.93	0.84	1.22	1.02	.92	.82	563-PBC-1558-CN	PBC-1558-CN	.70	.59	.53	.47
563-PB-1559	PB-1559	3.00	2.00	1.50	2.86	1.86	1.43	1.34	1.77	1.48	1.33	1.19	563-PBC-1575-C	PBC-1575-C	.80	.67	.61	.54
563-PB-1575	PB-1575	3.00	2.00	0.90	2.86	1.86	0.83	0.76	1.48	1.24	1.11	.99	563-PBC-1575-C	PBC-1575-C	.80	.67	.61	.54
563-PB-1576	PB-1576	3.00	3.00	1.50	2.86	2.86	1.41	1.36	1.92	1.61	1.45	1.29	563-PBC-1576-C	PBC-1576-C	1.04	.87	.79	.70
563-PB-1577	PB-1577	1.00	1.00	0.75	0.88	0.88	0.69	0.61	.71	.59	.53	.47	563-PBC-1577-C	PBC-1577-C	.42	.35	.32	.28
563-PB-1578	PB-1578	4.00	2.12	2.00	3.86	1.98	1.93	1.86	2.55	2.13	1.92	1.70	563-PBC-1578-C	PBC-1578-C	1.04	.87	.78	.69
563-PB-1579	PB-1579	1.50	1.25	0.80	1.36	1.11	0.73	0.66	1.06	.89	.74	.67	563-PBC1579C	PBC-1579-C	.63	.52	.44	.39
563-PB-1580	PB-1580	4.00	1.75	1.00	3.86	1.61	0.93	0.86	1.67	1.40	1.17	1.05	563-PBC-1580-C	PBC-1580-C	.79	.66	.56	.50
563-PB-1581	PB-1581	2.09	1.25	0.44	1.95	1.11	0.37	0.30	.89	.74	.67	.59	563-PBC-1581-C	PBC-1581-C	.55	.46	.42	.37
563-PB-1582	PB-1582	4.00	2.12	0.90	3.86	1.98	0.83	0.76	3.07	2.56	2.31	2.05	563-PBC-1578-C	PBC-1578-C	1.04	.87	.78	.69
563-PB-1583	PB-1583	4.37	3.12	2.00	4.17	2.92	1.90	1.79	3.89	3.24	2.92	2.59	563-PBC-1583-C	PBC-1583-C	1.93	1.61	1.45	1.29
Style B													**Cover**					
563-PB-1558-TF	PB-1558-TF	2.00	1.50	1.00	1.86	1.36	0.93	0.84	1.33	1.11	1.00	.89	563-PBC-1558-CN	PBC-1558-CN	.70	.59	.53	.47
563-PB-1559-TF	PB-1559-TF	3.00	2.00	1.50	2.86	1.86	1.43	1.34	1.91	1.60	1.44	1.28	563-PBC-1575-C	PBC-1575-C	.80	.67	.61	.54
563-PB-1574-TF	PB-1574-TF	2.00	2.00	1.50	1.86	1.86	1.43	1.34	1.51	1.26	1.14	1.01	563-PBC-1574-C	PBC-1574-C	.77	.65	.58	.52
563-PB-1575-TF	PB-1575-TF	3.00	2.00	0.90	2.86	1.86	0.83	0.76	1.48	1.24	1.11	.99	563-PBC-1575-C	PBC-1575-C	.80	.67	.61	.54
563-PB-1576-TF	PB-1576-TF	3.00	3.00	1.50	2.86	2.86	1.41	1.36	1.92	1.61	1.45	1.29	563-PBC-1576-C	PBC-1576-C	1.04	.87	.79	.70
563-PB-1577-TF	PB-1577-TF	1.00	1.00	0.75	0.88	0.88	0.69	0.61	.71	.59	.53	.47	563-PBC-1577-C	PBC-1577-C	.42	.35	.32	.28
563-PB-1578-TF	PB-1578-TF	4.00	2.12	2.00	3.86	1.98	1.93	1.86	2.55	2.13	1.92	1.70	563-PBC-1578-C	PBC-1578-C	1.04	.87	.78	.69
563-PB-1579-TF	PB-1579-TF	1.50	1.25	0.80	1.36	1.11	0.73	0.66	1.06	.89	.74	.67	563-PBC-1579-C	PBC-1579-C	.63	.52	.44	.42
563-PB-1580-TF	PB-1580-TF	4.00	1.75	1.00	3.86	1.61	0.93	0.86	1.67	1.40	1.17	1.05	563-PBC-1580-C	PBC-1580-C	.79	.66	.56	.50
563-PB-1581-TF	PB-1581-TF	2.09	1.25	0.44	1.95	1.11	0.37	0.30	.89	.74	.67	.59	563-PBC-1581-C	PBC-1581-C	.55	.46	.42	.37
563-PB-1582-TF	PB-1582-TF	4.00	2.12	0.90	3.86	1.98	0.83	0.76	3.07	2.56	2.31	2.05	563-PBC-1578-C	PBC-1578-C	1.04	.87	.78	.69
563-PB-1583-TF	PB-1583-TF	4.37	3.12	2.00	4.17	2.92	1.90	1.79	3.89	3.24	2.92	2.59	563-PBC-1583-C	PBC-1583-C	1.93	1.61	1.45	1.29
Style C													**Cover**					
563-PB-1549-BF	PB-1549-BF	3.03	3.03	0.80	2.89	2.89	0.72	0.63	2.82	2.35	2.12	1.88	563-PBC-1576-CN	PBC-1576-CN	1.46	1.22	1.10	.97
563-PB-1553-BF	PB-1553-BF	3.00	2.00	0.50	2.85	1.85	0.44	0.34	2.02	1.69	1.52	1.35	563-PBC-1559-C	PBC-1559-C	.82	.69	.62	.55
563-PB-1554-BF	PB-1554-BF	3.00	2.00	1.00	2.85	1.85	0.93	0.84	2.02	1.69	1.52	1.35	563-PBC-1559-C	PBC-1559-C	.82	.69	.62	.55
563-PB-1558-BF	PB-1558-BF	2.00	1.50	1.00	1.86	1.36	0.93	0.84	1.33	1.11	1.00	.89	563-PBC-1558-C	PBC-1558-C	.70	.59	.53	.47
563-PB-1559-BF	PB-1559-BF	3.00	2.00	1.50	2.86	1.86	1.43	1.34	1.91	1.60	1.44	1.28	563-PBC-1559-C	PBC-1559-C	.82	.69	.62	.55
563-PB-1574-BF	PB-1574-BF	2.00	2.00	1.50	1.90	1.90	1.43	1.34	2.12	1.77	1.59	1.41	563-PBC-1574-CN	PBC-1574-CN	.91	.76	.69	.61
563-PB-1576-BF	PB-1576-BF	3.00	3.00	1.50	2.90	2.90	1.41	1.32	3.22	2.69	2.42	2.15	563-PBC-1576-CN	PBC-1576-CN	1.46	1.22	1.10	.97
563-PB-1577-BF	PB-1577-BF	1.00	1.00	0.75	0.91	0.91	0.69	0.61	1.10	.92	.83	.73	563-PBC-1577-CN	PBC-1577-CN	.55	.45	.41	.36

HAMMOND NEMA Enclosures

HAMMOND MANUFACTURING

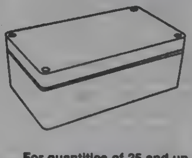
Common Specifications:

- Ideally suited for mounting printed circuit boards or DIN rail mounted components.
- Color is light gray (RAL 7035).
- Gasketed lid with two piece "tongue & groove" construction provides protection against access of oil, dust, and water.
- Gasket is factory poured using high temperature U.L. listed - silicon gasket material.
- Designed to meet IP 66 & NEMA 4, 4X, 12 & 13 ratings.
- Lid is secured with self captivating - M4 stainless steel machine screws (included), threaded into integral stainless steel bushings (for repetitive assembly & disassembly).
- All stainless steel hardware to avoid corrosion caused by dissimilar metals.

WATERTIGHT POLYCARBONATE ENCLOSURES WITH FLAT LID

Specifications:

- Material: Polycarbonate (material carries a UL flammability rating of UL94 5V.
- Recommended for outdoor use.
- Internal DIN rail mounting tabs: molded in all (except 1554C2GY)
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1554B2GY).



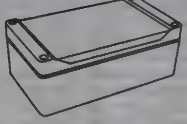
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.			Price Each		
		L	W	H	1	5	10
546-1554B2GY	1554B2GY	2.6	2.6	1.6	7.87	6.56	6.06
546-1554C2GY	1554C2GY	4.7	2.6	1.6	11.06	9.22	8.51
546-1554D2GY	1554D2GY	4.7	2.6	2.4	11.92	9.94	9.17
546-1554E2GY	1554E2GY	3.5	3.5	2.4	12.14	10.12	9.34
546-1554F2GY	1554F2GY	4.7	3.5	2.4	13.78	11.48	10.60
546-1554G2GY	1554G2GY	4.7	3.5	3.2	16.08	13.40	12.37
546-1554J2GY	1554J2GY	6.3	3.5	2.4	16.62	13.85	12.79
546-1554K2GY	1554K2GY	6.3	3.5	3.5	17.82	14.85	13.71
546-1554N2GY	1554N2GY	4.7	4.7	2.4	15.42	12.85	11.86
546-1554P2GY	1554P2GY	4.7	4.7	3.15	19.70	16.42	15.15
546-1554H2GY	1554H2GY	7.1	4.7	2.4	19.38	16.15	14.91
546-1554R2GY	1554R2GY	6.3	6.3	2.4	25.28	21.07	19.45
546-1554S2GY	1554S2GY	6.3	6.3	3.5	23.02	19.19	17.71

WATERTIGHT POLYCARBONATE ENCLOSURES WITH "STYLED" LID

Specifications:

- "Styled" lid version has three main advantages over the flat lid (1554 series): Smooth recessed surface on lid for a membrane keypad or label; standoffs molded in the interior of the lid (except for 1555BGY); more modern "styled" look vs. our traditional flat lid (1554 series)
- Material: Polycarbonate (material carries a UL flammability rating of UL94 5V)
- Recommended for outdoor use.
- Internal DIN rail mounting tabs: molded in all (except 1555C2GY)
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1555B2GY).



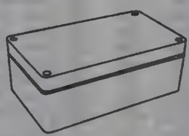
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.			Price Each		
		L	W	H	1	5	10
546-1555B2GY	1555B2GY	2.6	2.6	1.6	7.87	6.56	6.06
546-1555C2GY	1555C2GY	4.7	2.6	1.6	11.06	9.22	8.51
546-1555D2GY	1555D2GY	4.7	2.6	2.4	11.92	9.94	9.17
546-1555E2GY	1555E2GY	3.5	3.5	2.4	12.14	10.12	9.34
546-1555F2GY	1555F2GY	4.7	3.5	2.4	13.78	11.48	10.60
546-1555G2GY	1555G2GY	4.7	3.5	3.2	16.08	13.40	12.37
546-1555J2GY	1555J2GY	6.3	3.5	2.4	16.62	13.85	12.79
546-1555K2GY	1555K2GY	6.3	3.5	3.5	17.82	14.85	13.71
546-1555N2GY	1555N2GY	4.7	4.7	2.4	15.42	12.85	11.86
546-1555P2GY	1555P2GY	4.7	4.7	3.5	19.70	16.42	15.15
546-1555H2GY	1555H2GY	7.1	4.7	2.4	19.38	16.15	14.91
546-1555T2GY	1555T2GY	7.1	4.7	3.5	21.00	17.51	16.15
546-1555R2GY	1555R2GY	6.3	6.3	2.4	25.28	21.07	19.45
546-1555S2GY	1555S2GY	6.3	6.3	3.5	23.02	19.19	17.71

WATERTIGHT POLYCARBONATE ENCLOSURES WITH CLEAR LID

Specifications:

- Clear polycarbonate lid allows for maximum visibility of protected internal components.
- Material - Polycarbonate (material carries a UL flammability rating of UL94 5V).
- Recommended for outdoor use.
- Internal DIN rail mounting tabs: molded in all (except 1554C2GYCL)
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1554B2GYCL).



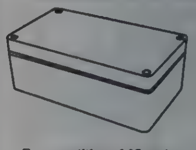
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.			Price Each		
		L	W	H	1	5	10
546-1554B2GYCL	1554B2GYCL	2.6	2.6	1.6	8.60	7.17	6.62
546-1554C2GYCL	1554C2GYCL	4.7	2.6	1.6	11.92	9.93	9.17
546-1554D2GYCL	1554D2GYCL	4.7	2.6	2.4	12.83	10.68	9.86
546-1554E2GYCL	1554E2GYCL	3.5	3.5	2.4	12.94	10.79	9.95
546-1554F2GYCL	1554F2GYCL	4.7	3.5	2.4	14.90	12.42	11.46
546-1554G2GYCL	1554G2GYCL	4.7	3.5	3.2	16.84	14.03	12.96
546-1554J2GYCL	1554J2GYCL	6.3	3.5	2.4	17.76	14.80	13.66
546-1554K2GYCL	1554K2GYCL	6.3	3.5	3.5	19.00	15.84	14.62
546-1554N2GYCL	1554N2GYCL	4.7	4.7	2.4	19.00	15.84	14.62
546-1554P2GYCL	1554P2GYCL	4.7	4.7	3.15	20.62	17.19	15.86
546-1554H2GYCL	1554H2GYCL	7.1	4.7	2.4	18.92	15.77	14.55
546-1554R2GYCL	1554R2GYCL	6.3	6.3	2.4	26.46	22.05	20.36
546-1554S2GYCL	1554S2GYCL	6.3	6.3	3.5	28.42	23.68	21.86
546-1554U2GYCL	1554U2GYCL	7.9	4.7	3.5	26.92	22.44	20.70

WATERTIGHT ABS PLASTIC ENCLOSURES WITH FLAT LID

Specifications:

- Material: General purpose ABS plastic (material carries a UL flammability rating of UL94 HB)
- Not recommended for outdoor use (please see the polycarbonate 1554 series).
- Internal DIN rail mounting tabs: molded in all (except 1554CGY)
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1554BGY).



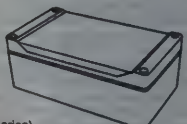
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.			Price Each		
		L	W	H	1	5	10
546-1554BGY	1554BGY	2.6	2.6	1.6	6.96	5.80	5.35
546-1554CGY	1554CGY	4.7	2.6	1.6	7.66	6.38	5.89
546-1554DGY	1554DGY	4.7	2.6	2.4	7.78	6.48	5.98
546-1554EGY	1554EGY	3.5	3.5	2.4	8.64	7.20	6.65
546-1554FGY	1554FGY	4.7	3.5	2.4	10.52	8.77	8.09
546-1554GGY	1554GGY	4.7	3.5	3.2	10.84	9.04	8.33
546-1554JGY	1554JGY	6.3	3.5	2.4	12.70	10.58	9.77
546-1554KGY	1554KGY	6.3	3.5	3.5	14.02	11.69	10.79
546-1554NGY	1554NGY	4.7	4.7	2.4	13.12	10.93	10.09
546-1554PGY	1554PGY	4.7	4.7	3.15	14.02	11.69	10.79
546-1554HGY	1554HGY	7.1	4.7	2.4	14.46	12.05	11.12
546-1554TGY	1554TGY	7.1	4.7	3.5	14.58	12.15	11.21
546-1554RGY	1554RGY	6.3	6.3	2.4	19.04	15.87	14.65

WATERTIGHT ABS PLASTIC ENCLOSURES WITH "STYLED" LID

Specifications:

- "Styled" lid version has three main advantages over the flat lid (1554 series): Smooth recessed surface on lid for a membrane keypad or label; standoffs molded in the interior of the lid (except for 1555BGY) - designed for #6 self tapping screws; and more modern "styled" look vs. our traditional flat lid (1554 series)
- Material: General purpose ABS plastic (material carries a UL flammability rating of UL94 HB).
- Not recommended for outdoor use (please see the polycarbonate 1555 series).
- Internal DIN rail mounting tabs: molded in all (except 1555CGY)
- Vertical P.C. card guides (for 1.5 mm thick P.C. boards) are molded in all but the smallest size enclosure (1555BGY)



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Dimensions: in.			Price Each		
		L	W	H	1	5	10
546-1555BGY	1555BGY	2.6	2.6	1.6	6.96	5.80	5.35
546-1555CGY	1555CGY	4.7	2.6	1.6	7.66	6.38	5.89
546-1555DGY	1555DGY	4.7	2.6	2.4	7.78	6.48	5.98
546-1555EGY	1555EGY	3.5	3.5	2.4	8.64	7.20	6.65
546-1555FGY	1555FGY	4.7	3.5	2.4	10.52	8.77	8.09
546-1555GGY	1555GGY	4.7	3.5	3.2	10.84	9.04	8.33
546-1555JGY	1555JGY	6.3	3.5	2.4	12.70	10.58	9.77
546-1555KGY	1555KGY	6.3	3.5	3.5	14.02	11.69	10.79
546-1555NGY	1555NGY	4.7	4.7	2.4	13.12	10.93	10.09
546-1555PGY	1555PGY	4.7	4.7	3.15	14.02	11.69	10.79
546-1555HGY	1555HGY	7.1	4.7	2.4	14.46	12.05	11.12
546-1555TGY	1555TGY	7.1	4.7	3.15	14.58	12.15	11.21
546-1555RGY	1555RGY	6.3	6.3	2.4	19.04	15.87	14.65
546-1555SGY	1555SGY	6.3	6.3	3.5	20.36	16.97	15.66

PANELS FOR WATERTIGHT ENCLOSURES

Specifications:

- Heavy duty panels for mounting components
- Galvanized 14 gauge steel
- Includes mounting hardware for enclosure body (lid mounting of panel requires optional #6 self tapping screws)

***Series Size printed in BOLD in Hammond Part Number**

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Use With * Series Size:	Dimensions: in.		Price Each		
			L	H	1	5	10
546-1554BPL	1554BPL	B	2.2	2.2	4.16	3.47	3.20
546-1554CPL	1554CPL	C & D	4.4	2.1	4.84	4.03	3.72
546-1554EPL	1554EPL	E	3.1	3.1	5.15	4.30	3.97
546-1554FPL	1554FPL	F & G	4.3	3.1	5.14	4.28	3.95
546-1554HPL	1554HPL	H & T	6.6	4.2	6.32	5.27	4.86
546-1554JPL	1554JPL	J & K	5.8	3.0	5.68	4.74	4.37
546-1554NPL	1554NPL	N & P	4.25	4.2	5.56	4.64	4.28
546-1554RPL	1554RPL	R & S	5.94	5.8	7.10	5.91	5.47
546-1554UPL	1554UPL	U	7.6	4.2	6.66	5.55	5.12
546-1554VPL	1554VPL	V	9.1	5.7	8.54	7.11	6.57

HAMMOND Plastic Enclosures

HAMMOND MANUFACTURING™

HAMMOND MINIATURE HAND HELD PLASTIC ENCLOSURES

- Ideally suited for mounting small printed circuit boards or as potting boxes
- Designed to meet IP54

Replace the __ with **BK** for **Black** or **GY** for **Gray** or **TBU** for **Translucent Blue**

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	25	50	100
Without Key Ring Kit									
546-1551N__	1551N__	A	1.38	1.38	0.59	1.40	1.17	1.08	1.00
546-1551M__	1551M__	A	1.38	1.38	0.79	1.44	1.20	1.11	1.03
546-1551Q__	1551Q__	A	1.58	1.58	0.59	1.48	1.23	1.14	1.06
546-1551P__	1551P__	A	1.58	1.58	0.79	1.52	1.27	1.17	1.09
546-1551F__	1551F__	A	1.97	1.38	0.59	1.56	1.30	1.20	1.11
546-1551G__	1551G__	A	1.97	1.38	0.79	1.60	1.33	1.23	1.14
546-1551S__	1551S__	A	1.97	1.97	0.59	1.64	1.37	1.26	1.17
546-1551R__	1551R__	A	1.97	1.97	0.79	1.68	1.40	1.29	1.20
546-1551J__	1551J__	A	2.36	1.38	0.59	1.72	1.43	1.32	1.23
546-1551H__	1551H__	A	2.36	1.38	0.79	1.76	1.47	1.35	1.26
546-1551L__	1551L__	A	3.15	1.58	0.59	1.80	1.50	1.38	1.29
546-1551K__	1551K__	A	3.15	1.58	0.79	1.84	1.53	1.42	1.31
With Key Ring Kit									
546-1551GR__	1551GR__	A	1.97	1.38	.67	2.02	1.68	1.55	1.44
546-1551HR__	1551HR__	A	2.36	1.38	.67	2.08	1.73	1.60	1.48
546-1551KR__	1551KR__	A	3.15	1.57	.67	2.19	1.82	1.68	1.56

HAMMOND MINIATURE FLANGED LID PLASTIC ENCLOSURES

- Ideally suited for mounting small printed circuit boards or as potting boxes
- Flanged lid is perfect for wall or shelf mounting or suspending with a tie wrap
- Designed to meet IP54

Replace the __ with **BK** for **Black** or **GY** for **Gray**

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	25	50	100
546-1551NFL__	1551NFL__	B	1.38	1.38	0.59	1.40	1.17	1.08	1.00
546-1551MFL__	1551MFL__	B	1.38	1.38	0.79	1.44	1.20	1.11	1.03
546-1551QFL__	1551QFL__	B	1.58	1.58	0.59	1.48	1.23	1.14	1.06
546-1551PFL__	1551PFL__	B	1.58	1.58	0.79	1.52	1.27	1.17	1.09
546-1551FFL__	1551FFL__	B	1.97	1.38	0.59	1.56	1.30	1.20	1.11
546-1551GFL__	1551GFL__	B	1.97	1.38	0.79	1.60	1.33	1.23	1.14
546-1551SFL__	1551SFL__	B	1.97	1.97	0.59	1.64	1.37	1.26	1.17
546-1551RFL__	1551RFL__	B	1.97	1.97	0.79	1.68	1.40	1.29	1.20
546-1551JFL__	1551JFL__	B	2.36	1.38	0.59	1.72	1.43	1.32	1.23
546-1551HFL__	1551HFL__	B	2.36	1.38	0.79	1.76	1.47	1.35	1.26
546-1551LFL__	1551LFL__	B	3.15	1.58	0.59	1.80	1.50	1.38	1.29
546-1551KFL__	1551KFL__	B	3.15	1.58	0.79	1.84	1.53	1.42	1.31

HAMMOND HEAVY DUTY THICK WALL RFI CONDUCTIVE PLASTIC ENCLOSURES

- Designed for EMI/RFI shielding applications
- Heavy duty, thick wall design with an average wall thickness of .13"
- Flammability rating: UL 94V-0
- Designed to meet IP54

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	5	10	25
546-1594RFIABK	1594RFIABK	C	2.17	2.17	1.10	11.76	9.80	9.04	8.40
546-1594RFIBBK	1594RFIBBK	C	3.15	2.17	1.10	12.74	10.62	9.80	9.10
546-1594RFICBK	1594RFICBK	C	4.13	2.56	1.30	15.80	13.16	12.15	11.29
546-1594RFIDBK	1594RFIDBK	C	5.12	2.56	1.70	19.68	16.40	15.14	14.05
546-1594RFIEBK	1594RFIEBK	C	6.50	4.13	2.09	28.05	23.37	21.57	20.03

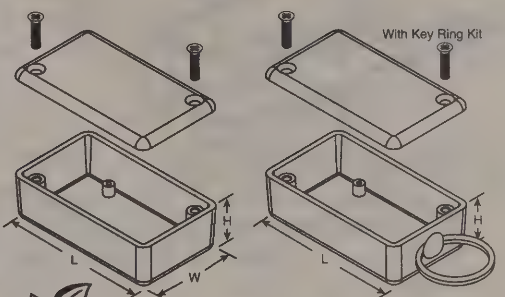
HAMMOND RFI - HAND HELD CONDUCTIVE PLASTIC ENCLOSURES

- Designed for EMI/RFI shielding applications
- Flammability rating: UL 94V-0
- Designed to meet IP54

For quantities of 50 and up, call for quote.

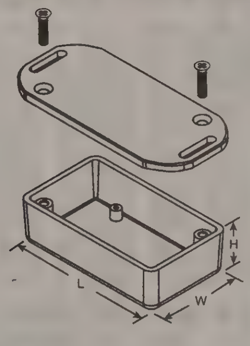
MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	5	10	25
546-1599RFIBBK	1599RFIBBK	D	5.12	2.56	0.98	12.96	10.81	9.97	9.26
546-1599RFIEBK	1599RFIEBK	D	6.70	3.35	1.33	17.58	14.65	13.52	12.55
546-1599RFIHBK	1599RFIHBK	D	8.66	4.33	1.73	25.28	21.07	19.45	18.06
546-1599RFIKBK	1599RFIKBK	D	8.66	5.50	1.60	30.28	25.24	23.29	21.63

A



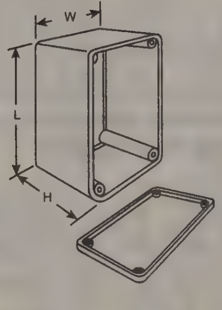
RoHS Compliant

B



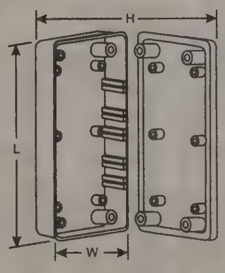
RoHS Compliant

C



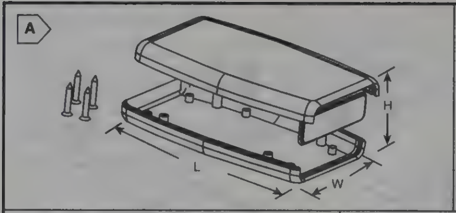
RoHS Compliant

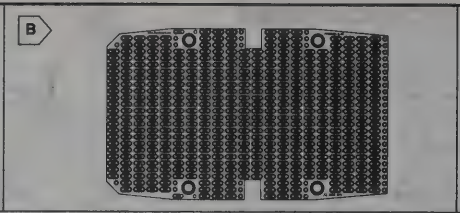
D

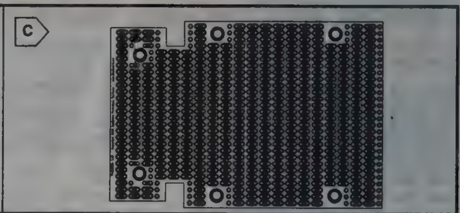


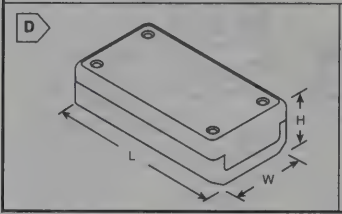
RoHS Compliant

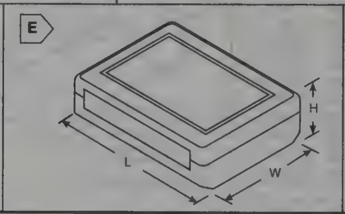
HAMMOND Plastic Enclosures

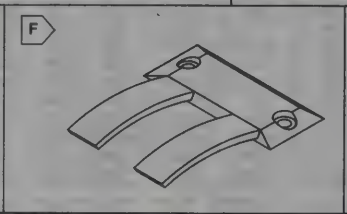


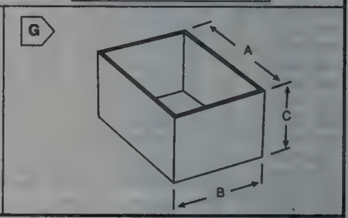












ABS PLASTIC - SOFT SIDED HAND HELD ENCLOSURES

- Over molded in general purpose ABS plastic with a soft plastic grip.
- Top cover is recessed for membrane display or keypad.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Enclosure Color	Soft Side Color	Batt. Door	Dimensions: in.			Price Each			
Mfr.	Mfr. Part. No.					L	W	H	1	5	10	25
546	1553BBK	A	Black	Gray	No	4.62	3.11	.95	6.40	5.33	4.93	4.58
546	1553BGY	A	Gray	Gray	No	4.62	3.11	.95	6.40	5.33	4.93	4.58
546	1553BBKBK	A	Black	Black	No	4.62	3.11	.95	6.40	5.33	4.93	4.58
546	1553BTBUBK	A	TransBlue	Black	No	4.62	3.11	.95	6.40	5.33	4.93	4.58
546	1553BRDBK	A	Red	Black	No	4.62	3.11	.95	6.40	5.33	4.93	4.58
546	1553BYLBK	A	Yellow	Black	No	4.62	3.11	.95	6.40	5.33	4.93	4.58
546	1553DBK	A	Black	Gray	No	5.80	3.50	.98	6.88	5.74	5.29	4.92
546	1553DGY	A	Gray	Gray	No	5.80	3.50	.98	6.88	5.74	5.29	4.92
546	1553DBKBK	A	Black	Black	No	5.80	3.50	.98	6.88	5.74	5.29	4.92
546	1553DTBUBK	A	TransBlue	Black	No	5.80	3.50	.98	6.88	5.74	5.29	4.92
546	1553DRDBK	A	Red	Black	No	5.80	3.50	.98	6.88	5.74	5.29	4.92
546	1553DYLBK	A	Yellow	Black	No	5.80	3.50	.98	6.88	5.74	5.29	4.92
546	1553BBKBAT	A	Black	Gray	Yes	4.62	3.11	.95	9.60	8.00	7.38	6.86
546	1553BGYBAT	A	Gray	Gray	Yes	4.62	3.11	.95	9.60	8.00	7.38	6.86
546	1553BBKBKBAT	A	Black	Black	Yes	4.62	3.11	.95	9.60	8.00	7.38	6.86
546	1553BTBUBKBAT	A	TransBlue	Black	Yes	4.62	3.11	.95	9.60	8.00	7.38	6.86
546	1553BRDBKBAT	A	Red	Black	Yes	4.62	3.11	.95	9.60	8.00	7.38	6.86
546	1553BYLBKBAT	A	Yellow	Black	Yes	4.62	3.11	.95	9.60	8.00	7.38	6.86
546	1553DBKBAT	A	Black	Gray	Yes	5.80	3.50	.98	10.56	8.80	8.13	7.54
546	1553DGYBAT	A	Gray	Gray	Yes	5.80	3.50	.98	10.56	8.80	8.13	7.54
546	1553DBKBKBAT	A	Black	Black	Yes	5.80	3.50	.98	10.56	8.80	8.13	7.54
546	1553DTBUBKBAT	A	TransBlue	Black	Yes	5.80	3.50	.98	10.56	8.80	8.13	7.54
546	1553DRDBKBAT	A	Red	Black	Yes	5.80	3.50	.98	10.56	8.80	8.13	7.54
546	1553DYLBKBAT	A	Yellow	Black	Yes	5.80	3.50	.98	10.56	8.80	8.13	7.54

PRINTED CIRCUIT BOARDS FOR 1553 ENCLOSURES

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Use with Enclosure	Price Each	
Mfr.	Mfr. Part. No.				1	10
854	PR1553B	B	2.8 x 4.3 in (71 x 108 mm)	1553 B Series	7.25	6.53
854	1553DB	C	2.9 x 5.5 in. (74 x 139 mm)	1553 D BAT Series	9.00	8.10

TWO PIECE FIXED PANEL PLASTIC ENCLOSURES

- Rugged electronic instrument enclosures, ideally suited for mounting printed circuit boards for hand-held, desktop, or wall mount applications
- Molded in polystyrene plastic
- Assembled with four M3x0.5" (13mm) Phillips machine screws (included)threaded into integral bushings
- Includes four self tapping screws for internal standoffs
- Lid is a smooth light gray, and the bottom is a smooth dark gray
- Designed to meet IP54

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions: in.			Price Each			
Mfr.	Mfr. Part. No.		L	W	H	1	25	50	100
546	MB655030	D	2.56	1.97	1.18	12.55	10.46	9.37	8.36
546	MB655045	D	2.56	1.97	1.77	14.64	12.22	10.91	9.74
546	MB105025	D	3.94	1.97	0.98	0.00	0.00	0.00	0.00
546	MB105040	D	3.94	1.97	1.57	17.72	14.80	13.20	11.78
546	MB105040VL	D	3.94	1.97	1.57	18.76	15.66	13.98	12.48
546	MB126540	D	4.72	2.56	1.57	19.72	16.47	14.69	13.11
546	MB126540VL	D	4.72	2.56	1.57	22.06	18.42	16.43	14.67
546	MB126565	D	4.72	2.56	2.56	21.82	18.22	16.26	14.51
546	MB158055	D	5.91	3.15	2.17	22.44	18.74	16.72	14.92
546	MB158055VL	D	5.91	3.15	2.17	22.74	18.99	16.94	15.12
546	MB158080	D	5.91	3.15	3.15	27.30	22.80	20.34	18.15
546	MB181170	D	7.40	4.33	2.76	29.44	24.58	21.93	19.58
546	MB181170VL	D	7.40	4.33	2.76	36.10	30.14	26.89	24.01
546	MB181110	D	7.40	4.33	3.94	33.62	28.07	25.05	22.36
546	MB181112	D	7.40	4.33	4.72	40.46	33.78	30.14	26.91

ABS PLASTIC HAND HELD ENCLOSURES

- Complete with top & bottom, removable front panel, battery door (except on the smallest size) and three self tapping screws.
- Top panel has a flat display area, perfect for labels, silk screening, membrane keypads or easily machined.
- Lap joint construction provides protection against access of dust and splashing water.
- Battery compartment (except on the smallest size) suitable for either a 9V (PP3) or 2 x AA batteries.
- The base is molded with bosses for easy P.C. board mounting.
- Molded in flame retardant ABS plastic
- Color: Black or Gray
- Finish: Satin Texture

NEW PRODUCT

MOUSER STOCK NO.		Fig.	Enclosure Color	Dimensions: in.			Price Each			
Mfr.	Mfr. Part. No.			L	W	H	1	25	50	100
546	001100	E	Black	1.57	2.36	0.73	7.78	6.62	6.22	5.84
546	001102	E	Black	3.35	2.36	0.87	9.12	7.74	6.85	6.39
546	001104	E	Black	4.13	2.36	0.87	9.32	7.92	7.45	7.00
546	001106	E	Black	4.92	2.76	0.87	9.88	8.40	7.91	7.42
546	001111	E	Gray	1.57	2.36	0.73	8.18	6.95	6.55	6.14
546	001113	E	Gray	3.35	2.36	0.87	9.90	8.42	7.92	7.43
546	001115	E	Gray	4.13	2.36	0.87	10.14	8.62	8.11	7.61
546	001117	E	Gray	4.92	2.76	0.87	10.68	9.08	8.54	8.01
Pocket/Belt Clip			Color							
546-001151		F	Black				4.70	4.00	3.76	3.53
546-001152		F	Gray				4.70	4.00	3.76	3.53

POTTING BOXES

- One piece molded construction
- Molded from Black General Purpose ABS Plastic
- Temperature rated -20°C to +94°C
- 1.0mm (0.04") wall thickness.

MOUSER STOCK NO.		Fig.	Dimensions: in.			Price Each			
Mfr.	Mfr. Part. No.		L	W	H	1	25	50	100
546	1596B109	G	0.46	0.46	0.35	1.16	.97	.89	.83
546	1596B110	G	0.85	0.55	0.46	1.20	1.01	.92	.86
546	1596B101	G	0.98	0.79	0.59	1.18	.98	.91	.85
546	1596B112	G	0.98	0.98	0.98	1.26	1.05	.97	.91
546	1596B102	G	1.18	0.79	0.59	1.08	.90	.83	.77
546	1596B111	G	1.18	1.18	0.79	1.28	1.07	.99	.92
546	1596B103	G	1.57	1.37	0.79	1.50	1.25	1.15	1.08
546	1596B107	G	1.57	1.57	0.79	1.44	1.20	1.11	1.03
546	1596B113	G	1.57	1.57	1.15	1.39	1.15	1.06	.99
546	1596B104	G	1.96	1.57	1.18	1.44	1.20	1.11	1.03
546	1596B-108	G	1.96	1.96	1.18	1.58	1.32	1.22	1.12
546	1596B105	G	2.95	1.98	1.39	2.48	2.07	1.91	1.77
546	1596B114	G	2.95	2.95	1.57	2.76	2.30	2.12	1.97
546	1596B115	G	3.50	2.52	1.28	2.94	2.46	2.26	2.10
546	1596B106	G	3.93	2.36	0.99	2.50	2.09	1.92	1.79

SUPER SHIELD CONDUCTIVE COATING

A general purpose EMI/RFI shielding spray for use on plastic electronics enclosures. Consists of a tough, durable acrylic base pigmented with a high purity nickel flake. Surface resistance of approximately 0.7 ohms.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Size	Price Each
Mfr.	Mfr. Part. No.		
590	841-340G	Aerosol 340g (12 oz)	27.95

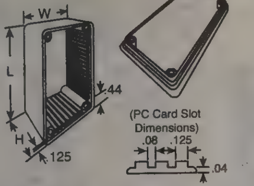
HAMMOND Plastic Enclosures

RoHS Compliant **This page of product is compliant.**

HAMMOND MANUFACTURING™

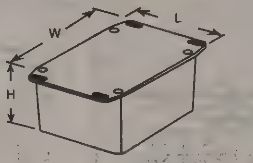
DIMENSIONS: in.

A



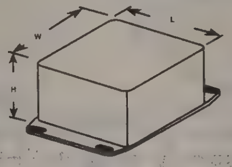
Note: lid adds .16" to over all depth of case

B



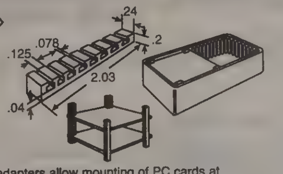
Note: lid adds .16" to over all depth of case

C



Note: lid adds .16" to over all depth of case

D



PC adapters allow mounting of PC cards at right angles to the vertical slots molded into Hammond 1591 series plastic boxes and diecast cases 1590L through 1590R.

ABS MULTIPURPOSE INSTRUMENT ENCLOSURES

NEW PRODUCT

- UL flammability rating of 94V-0
- Comes with M3 x .5 x 10mm, Phillips machine screws, countersunk lid, and tapped integral brass bushings.
- Two piece lap joint construction provides against dust accumulation and splashing water.
- Designed to meet IP54
- Card guides accept .062" PC cards
- 1591E has a removable center brace

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimensions: in.			Price Each			
Mfr. Mfr. Part No.			L	W	H	1	5	10	25
Without Flanged Lid									
546—1591M-BK	A	Black	3.30	2.20	.80	4.33	3.61	3.33	3.09
546—1591MGY	A	Gray	3.30	2.20	.80	4.33	3.61	3.33	3.09
546—1591MBU	A	Blue	3.30	2.20	.80	4.33	3.61	3.33	3.09
546—1591L-BK	A	Black	3.30	2.20	1.40	5.46	4.55	4.20	3.90
546—1591LGY	A	Gray	3.30	2.20	1.40	5.46	4.55	4.20	3.90
546—1591LBU	A	Blue	3.30	2.20	1.40	5.46	4.55	4.20	3.90
546—1591A-BK	A	Black	3.90	2.00	.80	5.09	4.24	3.91	3.63
546—1591AGY	A	Gray	3.90	2.00	.80	5.09	4.24	3.91	3.63
546—1591ABU	A	Blue	3.90	2.00	.80	5.09	4.24	3.91	3.63
546—1591B-BK	A	Black	4.40	2.40	1.10	5.50	4.58	4.23	3.93
546—1591BGY	A	Gray	4.40	2.40	1.10	5.50	4.58	4.23	3.93
546—1591BBU	A	Blue	4.40	2.40	1.10	5.50	4.58	4.23	3.93
546—1591C-BK	A	Black	4.70	2.60	1.40	5.85	4.88	4.50	4.18
546—1591CGY	A	Gray	4.70	2.60	1.40	5.85	4.88	4.50	4.18
546—1591C-BU	A	Blue	4.70	2.60	1.40	5.85	4.88	4.50	4.18
546—1591D-BK	A	Black	5.90	3.20	1.80	8.65	7.21	6.66	6.18
546—1591DGY	A	Gray	5.90	3.20	1.80	8.65	7.21	6.66	6.18
546—1591DBU	A	Blue	5.90	3.20	1.80	8.65	7.21	6.66	6.18
546—1591E-BK	A	Black	7.50	4.30	2.20	10.38	8.65	7.99	7.42
546—1591EGY	A	Gray	7.50	4.30	2.20	10.38	8.65	7.99	7.42
546—1591E-BU	A	Blue	7.50	4.30	2.20	10.38	8.65	7.99	7.42
546—1591G-BK	A	Black	4.80	3.70	1.20	6.72	5.60	5.17	4.80
546—1591GGY	A	Gray	4.80	3.70	1.20	6.72	5.60	5.17	4.80
546—1591GBU	A	Blue	4.80	3.70	1.20	6.72	5.60	5.17	4.80
546—1591H-BK	A	Black	6.50	2.80	1.00	6.88	5.73	5.29	4.91
546—1591HGY	A	Gray	6.50	2.80	1.00	6.88	5.73	5.29	4.91
546—1591HBU	A	Blue	6.50	2.80	1.00	6.88	5.73	5.29	4.91
546—1591S-BK	A	Black	4.30	3.20	1.60	7.40	6.16	5.69	5.28
546—1591SGY	A	Gray	4.30	3.20	1.60	7.40	6.16	5.69	5.28
546—1591SBU	A	Blue	4.30	3.20	1.60	7.40	6.16	5.69	5.28
546—1591T-BK	A	Black	4.70	3.20	2.20	8.18	6.82	6.29	5.84
546—1591TGY	A	Gray	4.70	3.20	2.20	8.18	6.82	6.29	5.84
546—1591TBU	A	Blue	4.70	3.20	2.20	8.18	6.82	6.29	5.84
546—1591U-BK	A	Black	4.70	4.70	2.20	8.76	7.30	6.73	6.25
546—1591UGY	A	Gray	4.70	4.70	2.20	8.76	7.30	6.73	6.25
546—1591UBU	A	Blue	4.70	4.70	2.20	8.76	7.30	6.73	6.25
546—1591V-BK	A	Black	4.70	4.70	3.50	10.49	8.74	8.07	7.49
546—1591VGY	A	Gray	4.70	4.70	3.50	10.49	8.74	8.07	7.49
546—1591VBU	A	Blue	4.70	4.70	3.50	10.49	8.74	8.07	7.49
With Flanged Lid									
546—1591MFLBK	B	Black	3.30	2.20	.80	4.63	3.86	3.56	3.31
546—1591MFLGY	B	Gray	3.30	2.20	.80	4.63	3.86	3.56	3.31
546—1591LFLBK	B	Black	3.30	2.20	1.40	5.85	4.88	4.50	4.18
546—1591LFLGY	B	Gray	3.30	2.20	1.40	5.85	4.88	4.50	4.18
546—1591AFLBK	B	Black	3.90	2.00	.80	5.19	4.32	3.99	3.71
546—1591AFLGY	B	Gray	3.90	2.00	.80	5.19	4.32	3.99	3.71
546—1591BFLBK	B	Black	4.40	2.40	1.10	5.61	4.67	4.31	4.01
546—1591BFLGY	B	Gray	4.40	2.40	1.10	5.61	4.67	4.31	4.01
546—1591CFLBK	B	Black	4.70	2.60	1.40	5.96	4.97	4.59	4.26
546—1591CFLGY	B	Gray	4.70	2.60	1.40	5.96	4.97	4.59	4.26
546—1591DFLBK	B	Black	5.90	3.20	1.80	8.82	7.35	6.78	6.30
546—1591DFLGY	B	Gray	5.90	3.20	1.80	8.82	7.35	6.78	6.30
546—1591EFLBK	B	Black	7.50	4.30	2.20	10.58	8.82	8.14	7.56
546—1591EFLGY	B	Gray	7.50	4.30	2.20	10.58	8.82	8.14	7.56
546—1591GFLBK	B	Black	4.80	3.70	1.20	7.06	5.88	5.43	5.04
546—1591GFLGY	B	Gray	4.80	3.70	1.20	7.06	5.88	5.43	5.04
546—1591HFLBK	B	Black	6.50	2.80	1.00	7.01	5.85	5.40	5.01
546—1591HFLGY	B	Gray	6.50	2.80	1.00	7.01	5.85	5.40	5.01
546—1591SFLBK	B	Black	4.30	3.20	1.60	7.54	6.28	5.80	5.39
546—1591SFLGY	B	Gray	4.30	3.20	1.60	7.54	6.28	5.80	5.39
546—1591TFLBK	B	Black	4.70	3.20	2.20	8.34	6.95	6.41	5.96
546—1591TFLGY	B	Gray	4.70	3.20	2.20	8.34	6.95	6.41	5.96
546—1591UFLBK	B	Black	4.70	4.70	2.20	8.93	7.44	6.87	6.38
546—1591UFLGY	B	Gray	4.70	4.70	2.20	8.93	7.44	6.87	6.38
546—1591VFLBK	B	Black	4.70	4.70	3.50	10.69	8.91	8.22	7.64
546—1591VFLGY	B	Gray	4.70	4.70	3.50	10.69	8.91	8.22	7.64
With Bottom Flange									
546—1591MF2BK	C	Black	3.3	2.2	0.8	4.92	4.54	4.14	3.90
546—1591MF2GY	C	Gray	3.3	2.2	0.8	4.92	4.54	4.14	3.90
546—1591LF2BK	C	Black	3.3	2.2	1.4	6.10	5.62	5.13	4.84
546—1591LF2GY	C	Gray	3.3	2.2	1.4	6.10	5.62	5.13	4.84
546—1591AF2BK	C	Black	3.9	2.0	0.8	5.70	5.26	4.80	4.53
546—1591AF2GY	C	Gray	3.9	2.0	0.8	5.70	5.26	4.79	4.52
546—1591SF2BK	C	Black	4.3	3.2	1.6	8.12	7.49	6.83	6.45
546—1591SF2GY	C	Gray	4.3	3.2	1.6	8.13	7.50	6.84	6.45

ABS MULTIPURPOSE INSTRUMENT ENCLOSURES (CONT.)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Dimensions: in.			Price Each			
Mfr. Mfr. Part No.			L	W	H	1	5	10	25
With Bottom Flange (cont.)									
546—1591BF2BK	C	Black	4.4	2.4	1.1	6.14	5.66	5.17	4.87
546—1591BF2GY	C	Gray	4.4	2.4	1.1	6.13	5.66	5.16	4.87
546—1591CF2BK	C	Black	4.7	2.6	1.4	6.49	5.99	5.46	5.15
546—1591CF2GY	C	Gray	4.7	2.6	1.4	6.49	5.99	5.47	5.15
546—1591TF2BK	C	Black	4.7	3.2	2.2	8.95	8.26	7.53	7.10
546—1591TF2GY	C	Gray	4.7	3.2	2.2	8.94	8.25	7.53	7.10
546—1591UF2BK	C	Black	4.7	4.7	2.2	9.59	8.85	8.07	7.61
546—1591UF2GY	C	Gray	4.7	4.7	2.2	9.59	8.85	8.07	7.61
546—1591VF2BK	C	Black	4.7	4.7	3.5	11.37	10.49	9.57	9.02
546—1591VF2GY	C	Gray	4.7	4.7	3.5	11.38	10.49	9.57	9.03
546—1591GF2BK	C	Black	4.8	3.7	1.2	7.65	7.06	6.43	6.07
546—1591GF2GY	C	Gray	4.8	3.7	1.2	7.65	7.06	6.44	6.07
546—1591DF2BK	C	Black	5.9	3.2	1.8	9.42	8.69	7.93	7.48
546—1591DF2GY	C	Gray	5.9	3.2	1.8	9.42	8.69	7.93	7.47
546—1591HF2BK	C	Black	6.5	2.8	1.0	7.75	7.15	6.52	6.15
546—1591HF2GY	C	Gray	6.5	2.8	1.0	7.25	6.5	6.04	5.50
546—1591EF2BK	C	Black	7.5	4.3	2.2	11.26	10.39	9.48	8.94
546—1591EF2GY	C	Gray	7.5	4.3	2.2	11.26	10.39	9.48	8.94

TRANSLUCENT POLYCARBONATE ENCLOSURES

- Lid is secured with M3 x 10 mm Phillips machine screws, threaded into tapped integral brass bushings.
- UL flammability rating: 94V-O

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dimensions: in.			Price Each			
Mfr. Mfr. Part No.		L	W	H	1	5	10	25
Ice Blue								
546—1591ATBU	A	3.90	2.00	.80	6.64	5.53	5.11	4.75
546—1591BTBU	A	4.40	2.40	1.10	7.78	6.48	5.98	5.56
546—1591CTBU	A	4.70	2.60	1.40	7.66	6.38	5.89	5.47
546—1591DTBU	A	5.90	3.20	1.80	12.08	10.06	9.29	8.63
546—1591ETBU	A	7.50	4.30	2.20	13.54	11.29	10.42	9.67
Infrared								
546—1591ATRD	A	3.90	2.00	.80	6.64	5.53	5.11	4.75
546—1591BTRD	A	4.40	2.40	1.10	7.20	6.00	5.53	5.15
546—1591CTRD	A	4.70	2.60	1.40	7.66	6.38	5.89	5.47
546—1591DTRD	A	5.90	3.20	1.80	11.32	9.43	8.71	8.09
546—1591ETRD	A	7.50	4.30	2.20	13.54	11.29	10.42	9.67
Clear								
546—1591ATCL	A	3.90	2.00	.80	6.64	5.53	5.11	4.75
546—1591STCL	A	4.30	3.20	1.60	9.66	8.06	7.43	6.91
546—1591BTCL	A	4.40	2.40	1.10	7.20	6.00	5.53	5.15
546—1591CTCL	A	4.70	2.60	1.40	7.66	6.38	5.89	5.47
546—1591DTCL	A	5.90	3.20	1.80	11.32	9.43	8.71	8.09
546—1591ETCL	A	7.50	4.30	2.20	13.54	11.29	10.42	9.67

PC CARD ADAPTERS

- Two piece lap joint construction provides protection against dust and splashing water.
- Flanged lid is perfect for wall or shelf mounting and enclosure security.
  Lid also contains four molded-in PC board standoffs
- Designed to meet IP54

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Quantity Per Package	Price Each			
Mfr. Mfr. Part No.			1	5	10	25
546—1591Z6	D	6.00	2.46	2.09	1.94	1.81

MG Chemicals

SUPER SHIELD CONDUCTIVE COATING

A general purpose EMI/RFI shielding spray for use on plastic electronics enclosures.

Consists of a tough, durable acrylic base pigmented with a high purity nickel flake.

Surface resistance of approximately 0.7 ohms.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each
Mfr. Mfr. Part No.		
590—841-340G	Aerosol 340g (12 oz)	27.95

POLYSTYRENE MULTIPURPOSE INSTRUMENT ENCLOSURES

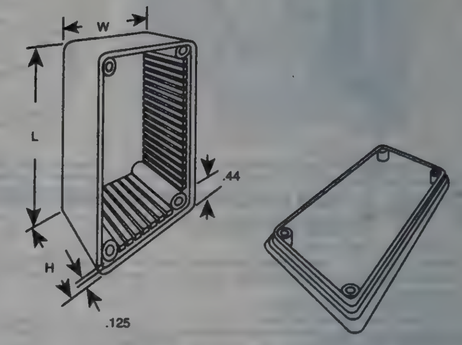
- High impact polystyrene plastic
- Lid is secured with self-tapping #4x1/2" slotted screws.

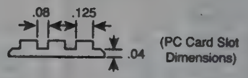
Without Flange

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Color	Dimensions: in.			Price Each			
				L	W	H	1	5	10	25
546-1591MS-BK	1591MS-BK	A	Black	3.30	2.20	.80	2.98	2.48	2.13	2.03
546-1591LS-BK	1591LS-BK	A	Black	3.30	2.20	1.40	4.48	3.73	3.44	3.19
546-1591AS-BK	1591AS-BK	A	Black	3.90	2.00	.80	4.35	3.62	3.35	3.11
546-1591BS-BK	1591BS-BK	A	Black	4.40	2.40	1.10	4.03	3.44	3.35	2.88
546-1591CS-BK	1591CS-BK	A	Black	4.70	2.60	1.40	3.95	3.29	3.19	2.82
546-1591DS-BK	1591DS-BK	A	Black	5.90	3.20	1.80	7.03	5.86	5.09	5.02
546-1591ES-BK	1591ES-BK	A	Black	7.50	4.30	2.20	7.07	5.89	5.35	5.05
546-1591GS-BK	1591GS-BK	A	Black	4.80	3.70	1.20	4.71	3.92	3.62	3.36
546-1591HS-BK	1591HS-BK	A	Black	6.50	2.80	1.00	4.68	3.91	3.60	3.34
546-1591SS-BK	1591SS-BK	A	Black	4.30	3.20	1.60	4.90	4.14	4.08	3.50
546-1591TS-BK	1591TS-BK	A	Black	4.70	3.20	2.20	5.60	4.48	4.48	4.48
546-1591US-BK	1591US-BK	A	Black	4.70	4.70	2.20	5.70	4.75	4.08	4.07
546-1591VS-BK	1591VS-BK	A	Black	4.70	4.70	3.50	7.14	5.95	5.34	5.10

A





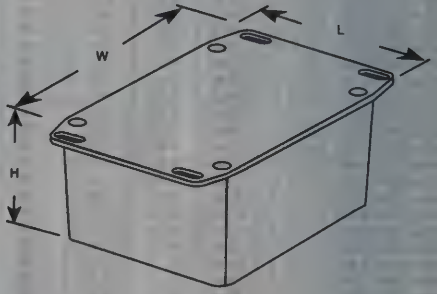
RoHS Compliant

With Flanged Lid

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Color	Dimensions: in.			Price Each			
				L	W	H	1	5	10	25
546-1591MSFL-BK	1591MSFL-BK	B	Black	3.3	2.2	0.8	3.08	2.93	2.77	2.62
546-1591LSFLBK	1591LSFL-BK	B	Black	3.3	2.2	1.4	3.67	3.50	3.31	3.13
546-1591ASFLBK	1591ASFL-BK	B	Black	3.9	2	0.8	3.41	3.23	3.06	2.89
546-1591SSFLBK	1591SSFL-BK	B	Black	4.3	3.2	1.6	4.90	4.66	4.41	4.17
546-1591BSFLBK	1591BSFL-BK	B	Black	4.4	2.4	1.1	3.69	3.52	3.33	3.15
546-1591CSFLBK	1591CSFL-BK	B	Black	4.7	2.6	1.4	3.90	3.71	3.51	3.32
546-1591TSFLBK	1591TSFL-BK	B	Black	4.7	3.2	2.2	5.47	5.19	4.91	4.64
546-1591USFLBK	1591USFL-BK	B	Black	4.7	4.7	2.2	5.88	5.59	5.29	5.00
546-1591VSFL-BK	1591VSFL-BK	B	Black	4.7	4.7	3.5	7.02	6.67	6.32	5.97
546-1591GSFLBK	1591GSFL-BK	B	Black	4.8	3.7	1.2	4.63	4.41	4.18	3.94
546-1591DSFLBK	1591DSFL-BK	B	Black	5.9	3.2	1.8	5.79	5.51	5.22	4.93
546-1591HSFLBK	1591HSFL-BK	B	Black	6.5	2.8	1	4.61	4.39	4.16	3.93
546-1591ESFLBK	1591ESFL-BK	B	Black	7.5	4.3	2.2	6.96	6.61	6.26	5.92

B



RoHS Compliant

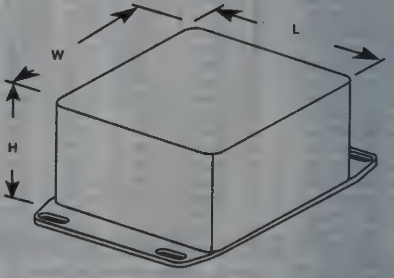
NEW PRODUCT

With Bottom Flange

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Color	Dimensions: in.			Price Each			
				L	W	H	1	5	10	25
546-1591MF2SBK	1591MF2SBK	C	Black	3.3	2.2	0.8	3.62	3.01	2.78	2.59
546-1591MF2SGY	1591MF2SGY	C	Gray	3.3	2.2	0.8	3.62	3.01	2.78	2.59
546-1591LF2SBK	1591LF2SBK	C	Black	3.3	2.2	1.4	4.20	3.50	3.23	3.00
546-1591LF2SGY	1591LF2SGY	C	Gray	3.3	2.2	1.4	4.20	3.50	3.23	3.00
546-1591AF2SBK	1591AF2SBK	C	Black	3.9	2.0	0.8	3.92	3.27	3.01	2.80
546-1591AF2SGY	1591AF2SGY	C	Gray	3.9	2.0	0.8	3.92	3.27	3.01	2.80
546-1591SF2SGY	1591SF2SGY	C	Black	4.3	3.2	1.6	5.56	4.64	4.28	3.98
546-1591SF2SBK	1591SF2SBK	C	Gray	4.3	3.2	1.6	5.56	4.64	4.28	3.98
546-1591BF2SBK	1591BF2SBK	C	Black	4.4	2.4	1.1	4.22	3.52	3.24	3.02
546-1591BF2SGY	1591BF2SGY	C	Gray	4.4	2.4	1.1	4.22	3.52	3.24	3.02
546-1591CF2SBK	1591CF2SBK	C	Black	4.7	2.6	1.4	4.44	3.70	3.41	3.17
546-1591CF2SGY	1591CF2SGY	C	Gray	4.7	2.6	1.4	4.44	3.70	3.41	3.17
546-1591TF2SGY	1591TF2SGY	C	Black	4.7	3.2	2.2	6.08	5.06	4.68	4.35
546-1591TF2SBK	1591TF2SBK	C	Gray	4.7	3.2	2.2	6.08	5.06	4.68	4.35
546-1591UF2SBK	1591UF2SBK	C	Black	4.7	4.7	2.2	6.54	5.45	5.03	4.67
546-1591UF2SGY	1591UF2SGY	C	Gray	4.7	4.7	2.2	6.54	5.45	5.03	4.67
546-1591VF2SBK	1591VF2SBK	C	Black	4.7	4.7	3.5	7.68	6.40	5.91	5.48
546-1591VF2SGY	1591VF2SGY	C	Gray	4.7	4.7	3.5	7.68	6.40	5.91	5.48
546-1591GF2SBK	1591GF2SBK	C	Black	4.8	3.7	1.2	5.22	4.35	4.02	3.73
546-1591GF2SGY	1591GF2SGY	C	Gray	4.8	3.7	1.2	5.22	4.35	4.02	3.73
546-1591DF2SBK	1591DF2SBK	C	Black	5.9	3.2	1.8	0.00	0.00	4.94	4.58
546-1591DF2SGY	1591DF2SGY	C	Gray	5.9	3.2	1.8	0.00	0.00	4.94	4.58
546-1591HF2SBK	1591HF2SBK	C	Black	6.5	2.8	1.0	5.15	4.30	3.97	3.68
546-1591HF2SGY	1591HF2SGY	C	Gray	6.5	2.8	1.0	5.15	4.30	3.97	3.68
546-1591EF2SBK	1591EF2SBK	C	Black	7.5	4.3	2.2	7.61	6.35	5.86	5.43
546-1591EF2SGY	1591EF2SGY	C	Gray	7.5	4.3	2.2	7.61	6.35	5.86	5.43

C



RoHS Compliant

SUPER SHIELD CONDUCTIVE COATING

- Flammability rating: UL 94V-0

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Price Each
590-841-340G	841-340G	Aerosol 340g (12 oz)	27.95

HAMMOND Plastic Enclosures

HAMMOND MANUFACTURING

MULTIPURPOSE ABS PLASTIC ENCLOSURES

- Flammability rating: UL 94HB

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each			
			L	W	H	1	5	10	25
Black									
546-1591XXASBK	1591XXASBK	A	3.90	2.00	0.80	3.46	3.29	3.12	2.94
546-1591XXBSBK	1591XXBSBK	A	4.40	2.50	1.10	3.74	3.56	3.37	3.18
546-1591XXCSBK	1591XXCSBK	A	4.70	2.60	1.40	3.96	3.76	3.57	3.36
546-1591XXDSBK	1591XXDSBK	A	6.00	3.20	1.80	5.88	5.58	5.29	5.00
546-1591XXESBK	1591XXESBK	A	7.60	4.40	2.20	7.04	6.69	6.34	5.98
546-1591XXFSBK	1591XXFSBK	A	8.70	5.90	2.30	7.94	7.55	7.15	6.74
546-1591XXLSBK	1591XXLSBK	A	3.40	2.20	1.40	3.72	3.54	3.35	3.16
546-1591XXTSBK	1591XXTSBK	A	4.80	3.20	2.20	5.54	5.26	4.99	4.71
Black with Flanged Lid									
546-1591XXASFLBK	1591XXASFLBK	B	3.90	2.00	0.80	3.62	3.44	3.26	3.08
546-1591XXBSFLBK	1591XXBSFLBK	B	4.40	2.50	1.10	3.94	3.75	3.55	3.35
546-1591XXCSFLBK	1591XXCSFLBK	B	4.70	2.60	1.40	4.16	3.95	3.74	3.53
546-1591XXDSFLBK	1591XXDSFLBK	B	6.00	3.20	1.80	6.18	5.87	5.56	5.25
546-1591XXESFLBK	1591XXESFLBK	B	7.60	4.40	2.20	7.42	7.05	6.45	6.13
546-1591XXFSFLBK	1591XXFSFLBK	B	8.70	5.90	2.30	8.70	8.26	7.83	7.40
546-1591XXLSFLBK	1591XXLSFLBK	B	3.40	2.20	1.40	3.72	3.54	3.35	3.16
546-1591XXTSFLBK	1591XXTSFLBK	B	4.80	3.20	2.20	5.82	5.53	5.23	4.95

MULTIPURPOSE FLAME RETARDANT ABS PLASTIC ENCLOSURES

HAMMOND MANUFACTURING

- Flammability rating: UL 94V-0

For quantities of 50 and up, call for quote.

Translucent Blue									
546-1591XXLTBU	1591XXLTBU	A	3.4	2.2	1.4	5.94	5.64	5.35	5.05
546-1591XXATBU	1591XXATBU	A	3.9	2.0	0.8	5.52	5.24	4.97	4.69
546-1591XXBTBU	1591XXBTBU	A	4.4	2.5	1.1	6.00	5.70	5.40	5.10
546-1591XXCTBU	1591XXCTBU	A	4.7	2.6	1.4	6.38	6.06	5.74	5.42
546-1591XXTTBU	1591XXTTBU	A	4.8	3.2	2.2	8.90	8.46	8.01	7.56
546-1591XXDTBU	1591XXDTBU	A	6.0	3.2	1.8	9.42	8.95	8.48	8.00
546-1591XXETBU	1591XXETBU	A	7.6	4.4	2.2	11.30	10.74	10.17	9.60
Black									
546-1591XXABK	1591XXABK	A	3.90	2.00	0.80	5.52	5.24	4.97	4.69
546-1591XXBBK	1591XXBBK	A	4.40	2.50	1.10	6.00	5.70	5.40	5.10
546-1591XXCBK	1591XXCBK	A	4.70	2.60	1.40	6.38	5.87	4.64	4.21
546-1591XXDBK	1591XXDBK	A	6.00	3.20	1.80	9.42	8.95	8.48	8.00
546-1591XXEBK	1591XXEBK	A	7.60	4.40	2.20	11.30	10.73	10.17	9.60
546-1591XXFBK	1591XXFBK	A	8.70	5.90	2.30	11.76	11.17	10.59	10.00
546-1591XXLBK	1591XXLBK	A	3.40	2.20	1.40	5.94	5.64	5.34	5.05
Black with Flanged Lid									
546-1591XXAFLBK	1591XXAFLBK	B	3.90	2.00	0.80	5.80	5.51	5.22	4.93
546-1591XXBFLBK	1591XXBFLBK	B	4.40	2.50	1.10	6.30	5.35	4.89	4.57
546-1591XXCFLBK	1591XXCFLBK	B	4.70	2.60	1.40	6.68	6.35	6.01	5.68
546-1591XXDFLBK	1591XXDFLBK	B	6.00	3.20	1.80	9.88	9.39	8.89	8.40
546-1591XXEFLBK	1591XXEFLBK	B	7.60	4.40	2.20	10.96	10.80	10.64	10.27
546-1591XXFFLBK	1591XXFFLBK	B	8.70	5.90	2.30	12.52	11.89	11.27	10.64
546-1591XXLFLBK	1591XXLFLBK	B	3.40	2.20	1.40	6.26	5.95	5.63	5.32
546-1591XXTFLBK	1591XXTFLBK	B	4.80	3.20	2.20	9.34	8.87	8.40	7.94
Gray									
546-1591XXAGY	1591XXAGY	A	3.90	2.00	0.80	5.52	5.24	4.97	4.69
546-1591XXBGY	1591XXBGY	A	4.40	2.50	1.10	6.00	5.70	5.40	5.10
546-1591XXCGY	1591XXCGY	A	4.70	2.60	1.40	6.38	6.06	5.74	5.42
546-1591XXDGY	1591XXDGY	A	6.00	3.20	1.80	9.42	8.95	8.48	8.00
546-1591XXEGY	1591XXEGY	A	7.60	4.40	2.20	11.30	10.73	10.17	9.60
546-1591XXFGY	1591XXFGY	A	8.70	5.90	2.30	11.76	11.17	10.59	10.00
546-1591XXLGY	1591XXLGY	A	3.40	2.20	1.40	5.94	5.64	5.34	5.05
Gray with Flanged Lid									
546-1591XXAFLGY	1591XXAFLGY	B	3.90	2.00	0.80	5.80	5.51	5.22	4.93
546-1591XXBFLGY	1591XXBFLGY	B	4.40	2.50	1.10	6.30	5.35	4.89	4.57
546-1591XXCFLGY	1591XXCFLGY	B	4.70	2.60	1.40	6.68	6.35	6.01	5.68
546-1591XXDFLGY	1591XXDFLGY	B	6.00	3.20	1.80	9.88	9.39	8.89	8.40
546-1591XXEFLGY	1591XXEFLGY	B	7.60	4.40	2.20	11.54	10.96	10.39	9.81
546-1591XXFFLGY	1591XXFFLGY	B	8.70	5.90	2.30	12.52	11.89	11.27	10.64
546-1591XXLFLGY	1591XXLFLGY	B	3.40	2.20	1.40	6.26	5.95	5.63	5.32
546-1591XXTFLGY	1591XXTFLGY	B	4.80	3.20	2.20	9.34	8.87	8.40	7.94

ABS WALLMOUNT - SNAP TOGETHER ENCLOSURES

HAMMOND MANUFACTURING

- Includes molded in keyhole knockout areas (2) for mounting either horizontally or vertically
- Bottom half includes 6 molded in, PC board standoffs

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Enclosure Color	Dimensions: in.			Price Each			
Mfr.	Mfr. Part. No.			L	W	H	1	5	10	50
546	1597CGY	C	Gray	4.33	5.50	1.38	11.78	9.82	8.80	7.86
546	1597CBK	C	Black	4.33	5.50	1.38	11.78	9.82	8.80	7.86
546	1597D-GY	C	Gray	4.92	7.09	1.38	12.80	10.67	9.60	8.53

ABS ENCLOSURES WITH SCREW FASTENED LID

HAMMOND MANUFACTURING

- Includes machine screws and brass inserts
- Bottom and top half include molded in, PC board standoffs

For quantities of 50 and up, call for quote.

546	1597X	D	Gray	3.50	5.50	1.80	17.76	14.80	13.25	11.84
546	1597Y	D	Gray	5.30	7.90	2.00	27.58	22.98	20.58	18.39

ABS PLASTIC SNAP TOGETHER ENCLOSURE

HAMMOND MANUFACTURING

For quantities of 50 and up, call for quote.

546	1597V	E	Gray	1.60	5.10	1.00	9.82	8.19	7.33	6.54

SUPER SHIELD CONDUCTIVE COATING

MG Chemicals

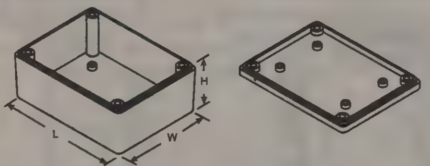
- Flammability rating: UL 94V-0

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Price Each
590-841-340G	841-340G	Aerosol 340g (12 oz)	27.95

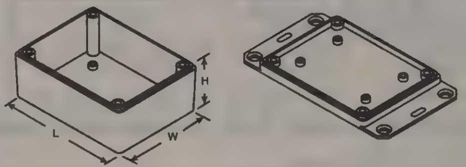
DIMENSIONS: in.

A



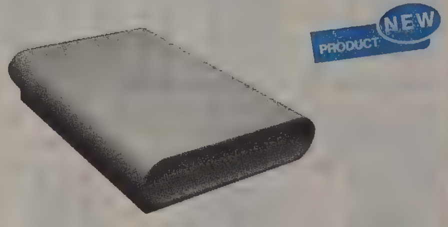
- Ideally suited for mounting PC Boards horizontally.
- Internal sides of enclosure are smooth for easy connector installation (Largest size includes card guides)
- Tongue and groove lid to box constructions provides protection against access of dust and splashing water
- Designed to meet IP54
- Lid and box both contain molded-in PC standoffs

B

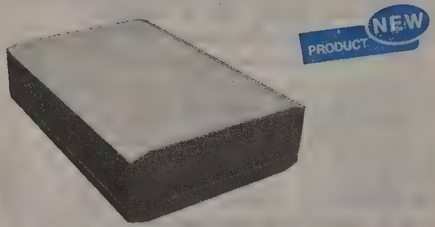


- Ideally suited for mounting PC Boards horizontally.
- Internal sides of enclosure are smooth for easy connector installation (Largest size includes card guides)
- Tongue and groove lid to box constructions provides protection against access of dust and splashing water
- Designed to meet IP54
- Lid and box both contain molded-in PC standoffs

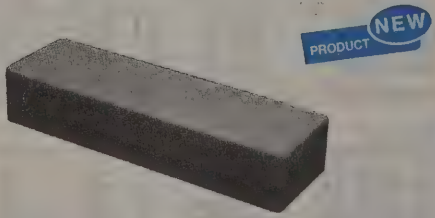
C



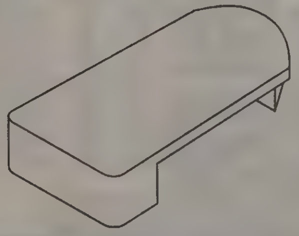
D



E



F



BELT OR POCKET CLIP

Nylon clip; includes 2 nylon screws and mounting template

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Color	Price Each			
Mfr.	Mfr. Part. No.			1	5	10	25
546	1599-CLIP	F	Black	1.00	.83	.77	.71
546	1599CLIPGY	F	Gray	1.00	.83	.77	.71

HAMMOND ABS PLASTIC HANDHELD INSTRUMENT BOXES

- Recessed top for membrane display or pad
- Self tapping screws included

Replace the __ with **BK** for **Black** or **GY** for **Gray**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	25	50
546-1593K__	1593K__	A	2.60	2.60	1.10	2.64	2.21	2.03
546-1593D__	1593D__	A	4.50	1.40	1.00	4.06	3.38	3.12
546-1593X__	1593X__	A	5.50	2.60	1.10	4.52	3.77	3.47
546-1593J__	1593J__	B	2.60	2.60	1.10	2.74	2.29	2.10
546-1593S__	1593S__	C	3.60	2.60	0.83	3.48	2.90	2.68
546-1593P__	1593P__	C	3.60	2.60	1.10	3.80	3.17	2.92
546-1593T__	1593T__	C	4.40	2.60	0.83	4.03	3.35	3.09
546-1593Q__	1593Q__	C	4.40	2.60	1.10	3.29	2.74	2.53
546-1593Y__	1593Y__	C	5.50	2.60	1.10	4.92	4.10	3.78

HAMMOND INFRARED PANELS

MOUSER STOCK NO.	Hammond Part No.	Description	Price Per Package			
			1	25	50	100
546-1593DIR10	1593DIR10	Fit 1593D - Pack of 10	4.92	4.10	3.78	3.52
546-1593PIR10	1593PIR10	Fits 1593 P, Q, Y, X, J & K Pack of 10	5.68	4.73	4.37	4.06
546-1593SIR10	1593SIR10	Fits 1593 S & T - Pack of 10	3.41	2.83	2.61	2.43

HAMMOND PLASTIC ELECTRONIC ENCLOSURES

- Matte textured black finish

Also available in blue, gray, and beige.
Contact a Mouser service representative for details

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	5	10
546-1594A-BK	1594A-BK	D	2.17	2.17	1.10	7.73	6.44	5.84
546-1594B-BK	1594B-BK	D	3.15	2.17	1.10	8.08	6.73	5.84
546-1594C-BK	1594C-BK	D	4.13	2.56	1.30	8.32	6.93	6.85
546-1594D-BK	1594D-BK	D	5.12	2.56	1.70	10.80	9.00	8.30
546-1594E-BK	1594E-BK	D	6.50	4.13	2.09	14.64	12.21	11.27

HAMMOND PC CARD GUIDES

- Packed 25 sets per package, four guides to set.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fits Cases	Price Per Package			
			1	5	10	25
546-1594AZ25	1594AZ25	1594A-BK	6.62	5.52	5.09	4.73
546-1594BZ25	1594BZ25	1594B-BK	6.62	5.52	5.09	4.73
546-1594CZ25	1594CZ25	1594C-BK	6.62	5.52	5.09	4.73
546-1594DZ25	1594DZ25	1594D-BK	6.62	5.52	5.09	4.73
546-1594EZ25	1594EZ25	1594E-BK	6.62	5.52	5.09	4.73

HAMMOND HAND HELD CASES

High Impact Polystyrene Cases

- Countersunk lid is secured with four self tapping screws.
- Color: Gray

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	5	10
546-1599BS-GY	1599BS-GY	E	5.12	2.56	0.98	5.88	4.90	4.27
546-1599ES-GY	1599ES-GY	E	6.70	3.35	1.38	6.62	5.52	5.09
546-1599HS-GY	1599HS-GY	E	8.66	4.33	1.77	7.60	6.33	5.85
546-1599KS-GY	1599KS-GY	E	5.50	8.66	1.60	10.32	8.60	7.47

Medium Impact Flame Retardant ABS

- UL flammability rating of 94V-0 @ 1.47 mm thickness and a continuous use temperature rating of 60°C
- Includes four machine screws and brass bushings
- Color: Black

546-1599B-BK	1599B-BK	E	5.12	2.56	0.98	7.12	5.94	5.48
546-1599E-BK	1599E-BK	E	6.70	3.35	1.38	9.40	7.83	7.47
546-1599H-BK	1599H-BK	E	8.66	4.33	1.77	14.13	11.77	10.47
546-1599K-BK	1599K-BK	E	5.50	8.66	1.60	12.34	10.28	9.60

HAMMOND ENCLOSURES W/ BATTERY DOOR

For quantities of 25 and up, call for quote.

Black ABS								
546-1599BBKBAT	1599BBKBAT	F	5.12	2.56	0.97	10.96	9.14	8.43
546-1599BBKBATCP	1599BBKBATCP	G	5.12	2.56	0.97	11.52	9.60	8.86
546-1599EBKBAT	1599EBKBAT	F	6.69	3.34	1.33	10.30	8.58	7.92
546-1599HBKBAT	1599HBKBAT	F	4.33	8.66	1.73	15.70	13.09	12.07
546-1599KBKBAT	1599KBKBAT	F	5.50	8.66	1.60	17.04	14.20	13.11
Gray ABS								
546-1599BGYBAT	1599BGYBAT	F	5.12	2.56	0.97	8.84	7.37	6.80
546-1599BGYBATCP	1599BGYBATCP	G	5.12	2.56	0.97	12.12	10.10	9.32
546-1599EGYBAT	1599EGYBAT	F	6.69	3.34	1.33	11.60	9.67	8.92
546-1599HGYBAT	1599HGYBAT	F	4.33	8.66	1.73	15.70	13.09	12.07
546-1599KGYBAT	1599KGYBAT	F	5.50	8.66	1.60	17.04	14.20	13.11
Gray Styrene								
546-1599BSGYBAT	1599BSGYBAT	F	5.12	2.56	0.97	7.44	6.20	5.73
546-1599ESGYBAT	1599ESGYBAT	F	6.69	3.34	1.33	7.96	6.63	6.12
546-1599HSGYBAT	1599HSGYBAT	F	4.33	8.66	1.73	13.00	10.83	10.00
546-1599KSGYBAT	1599KSGYBAT	F	5.50	8.66	1.60	14.02	11.69	10.79

BATTERY HOLDER KITS

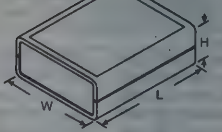
- Designed for 1599B and 1599E Series battery door enclosures
- Includes all the parts required to install the battery or batteries.
- Includes the battery holder, wires, divider, and foam anti-rattle pad.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Batt. Holder Kit For:	Fits Battery Door Enclosure Size:	Price Each			
				1	25	50	100
546-BH1AAWKIT	BH1AAWKIT	1 AA Cell	1599B and 1599E Series	1.10	.92	.82	.73
546-BH2AAWKIT	BH2AAWKIT	2 AA Cells	1599B and 1599E Series	1.12	.93	.83	.75
546-BH1AAAWKIT	BH1AAAWKIT	1 AAA Cell	1599B and 1599E Series	.98	.82	.73	.65
546-BH2AAAWKIT	BH2AAAWKIT	2 AAA Cells	1599B and 1599E Series	1.22	1.02	.91	.82
546-BH3AAAWKIT	BH3AAAWKIT	3 AAA Cells	1599E size only	1.76	1.46	1.31	1.17
546-BH4AAAWKIT	BH4AAAWKIT	4 AAA Cells	1599E size only	2.25	1.87	1.68	1.50
546-BS61KIT	BS61KIT	1-9V Cell	1599B and 1599E Series	.82	.68	.61	.54

A

RoHS Compliant

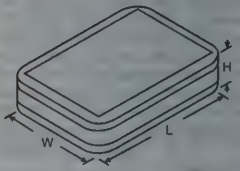


Version A

- Four P.C. card standoffs molded in bottom
- Removable front and rear panels for easy modification-sized to accept most popular connectors.
- 2 piece lap joint construction

B

RoHS Compliant

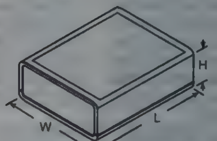


Version B

- Four PC card standoffs molded in both halves
- 2 piece lap joint construction

C

RoHS Compliant

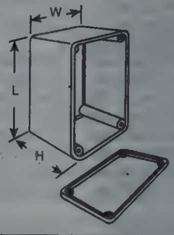


Version C

- 4 PC card standoffs molded in both halves
- 4 PC card guides molded in battery compartment
- Removable front and rear panels for easy modification-sized to accept most popular connectors.
- 2 piece lap joint construction

D

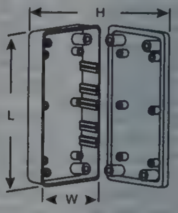
RoHS Compliant



- Heavy duty thermoplastic
- Comes with M3x.5x20mm countersunk
- Phillips machine screws which fasten into integral brass bushings
- Average wall thickness: .125"
- Lid adds .47" to total height
- Designed to meet IP54
- UL flammability rating of 94V-O

E

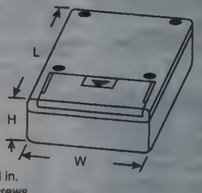
RoHS Compliant



- Two key hole knockouts are molded into the inside of the base to facilitate wall mounting installation.
- Six PC card mounting bosses are molded into the top and base
- Designed to meet IP54

F

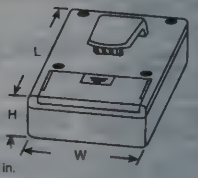
RoHS Compliant



- Recessed top panel for membrane display or pad
- PC card standoffs and vertical card guides are molded in.
- Flame retardant ABS version includes four machine screws (styrene are self tapping) and wear resistant brass bushing

G

RoHS Compliant



Includes belt clip

- Recessed top panel for membrane display or pad
- PC card standoffs and vertical card guides are molded in.
- Flame retardant ABS version includes four machine screws (styrene are self tapping) and wear resistant brass bushing

HAMMOND Plastic Enclosures

SLOPING STYRENE CONSOLES

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.				Price Each			
			L	W	H	D	1	5	10	25
546-1599ESTSGY	1599ESTSGY	A	3.35	6.70	1.33	.72	11.20	9.34	8.61	8.00
546-1599HSTSGY	1599HSTSGY	A	4.33	8.66	1.73	.75	14.58	12.15	11.21	10.41
546-1599KSTSGY	1599KSTSGY	A	5.51	8.66	1.60	.67	13.46	11.22	10.36	9.62
546-1599KSTLGY	1599KSTLGY	A	8.66	5.51	1.60	.71	12.48	10.40	9.60	8.92
546-1599KSTLGYBAT	1599KSTLGYBAT	A	8.66	5.51	1.60	.71	16.82	14.02	12.94	12.01

PLASTIC DESKTOP CONSOLES

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Dimensions: in.				Color	Price Each			
			L	W	H	A		1	5	10	25
546-1595C-GY	1595C-GY	B	6.30	3.80	1.54	2.30	Gray	11.28	9.40	8.54	7.51
546-1595C-BK	1595C-BK	B	6.30	3.80	1.54	2.30	Black	11.28	9.40	8.54	7.51
546-1595E-GY	1595E-GY	B	8.50	5.10	1.85	2.90	Gray	13.96	11.64	10.42	9.31
546-1595E-BK	1595E-BK	B	8.50	5.10	1.85	2.90	Black	12.88	10.74	9.61	8.59

ABS INSTRUMENT ENCLOSURES

- Two piece "tongue & groove" construction
- UL flammability rating of 94V-0
- Front/rear panels: .064" thick brushed alum.
- Integral horizontal PC card mounts on Eurocard centers
- Comes with M3 x .5 x 10mm Phillips machine screws that fasten into tapped integral brass bushings
- Two sets of vertical .062" PC board guides provided front /rear

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Color	Dimensions: in.			Price Each			
				L	W	H	1	5	10	25
546-1598B-BK	1598B-BK	C	Black	5.28	5.31	1.96	12.97	10.81	9.98	9.26
546-1598BGY	1598B-GY	C	Gray	5.28	5.31	1.96	11.92	10.00	9.22	8.57
546-1598A-BK	1598A-BK	C	Black	6.18	3.70	1.42	10.90	9.09	8.38	7.79
546-1598A-GY	1598AGY	C	Gray	6.18	3.70	1.42	10.00	9.00	8.00	7.00
546-1598BB-BK	1598BB-BK	C	Black	7.05	6.06	1.42	11.16	9.30	8.59	7.97
546-1598BBGY	1598BB-GY	C	Gray	7.05	6.06	1.42	12.08	10.14	9.35	8.68
546-1598C-BK	1598C-BK	C	Black	7.09	6.10	2.04	16.46	13.71	12.66	11.76
546-1598C-GY	1598C-GY	C	Gray	7.09	6.10	2.04	14.91	12.51	11.53	10.71
546-1598D-BK	1598D-BK	C	Black	7.09	8.11	2.52	18.28	15.23	14.06	13.06
546-1598DGY	1598D-GY	C	Gray	7.09	8.11	2.52	18.19	15.26	14.08	13.07
546-1598E-BK	1598E-BK	C	Black	6.30	6.30	3.38	15.31	12.76	11.81	10.94
546-1598EGY	1598E-GY	C	Gray	6.30	6.30	3.38	17.89	15.01	13.84	12.86
546-1598F-BK	1598F-BK	C	Black	9.84	6.30	1.58	19.20	16.00	14.94	13.71
546-1598FGY	1598F-GY	C	Gray	9.84	6.30	1.58	19.10	16.03	14.78	13.73
546-1598G-BK	1598G-BK	C	Black	9.84	6.30	3.00	20.06	16.72	15.43	14.33
546-1598G-GY	1598G-GY	C	Gray	9.84	6.30	3.00	22.39	18.79	17.33	16.09
546-1598H-BK	1598H-BK	C	Black	11.02	7.87	1.58	23.62	19.69	18.17	16.87
546-1598HGY	1598H-GY	C	Gray	11.02	7.87	1.58	23.50	19.72	18.19	16.89
546-1598J-BK	1598J-BK	C	Black	11.02	7.87	3.00	29.28	24.41	22.53	20.92
546-1598JGY	1598J-GY	C	Gray	11.02	7.87	3.00	29.13	24.45	22.55	20.94

POLYSTYRENE INSTRUMENT ENCLOSURES

NEW PRODUCT

- Molded in PC card standoffs and vertical card guides
- Designed to meet IP54
- Positive fit, "tongue & groove" construction requires only 2 mounting screws
- Available in Gray Styrene Plastic
- Easy access to interior via shell type construction

With Black ABS Plastic End Panels									
546-1598ASGYPBK	1598ASGYPBK	C	6.18	3.70	1.42	7.56	6.35	5.85	5.43
546-1598BSGYPBK	1598BSGYPBK	C	5.28	5.31	1.96	8.50	7.13	6.58	6.11
546-1598BBSGYPBK	1598BBSGYPBK	C	7.05	6.06	1.42	9.63	8.08	7.45	6.92
546-1598CSGYPBK	1598CSGYPBK	C	7.09	6.10	2.04	9.55	8.02	7.39	6.86
546-1598DSGYPBK	1598DSGYPBK	C	7.09	8.11	2.52	11.92	10.00	9.22	8.57
546-1598ESGYPBK	1598ESGYPBK	C	6.30	6.30	3.38	11.22	9.42	8.69	8.07
546-1598FSGYPBK	1598FSGYPBK	C	9.84	6.30	1.58	11.10	9.32	8.59	7.98
546-1598GSGYPBK	1598GSGYPBK	C	9.84	6.30	3.00	13.59	11.41	10.52	9.77
546-1598HSGYPBK	1598HSGYPBK	C	11.02	7.87	1.58	13.59	11.41	10.52	9.77
546-1598JSGYPBK	1598JSGYPBK	C	11.02	7.87	3.00	13.07	10.97	10.12	9.40
With Aluminum End Panels									
546-1598BSGY	1598BSGY	C	5.28	5.31	1.96	8.92	7.48	6.90	6.41
546-1598ASGY	1598ASGY	C	6.18	3.70	1.42	7.98	6.70	6.18	5.73
546-1598ESGY	1598ESGY	C	6.30	6.30	3.38	12.48	10.47	9.66	8.97
546-1598BBSGY	1598BBSGY	C	7.05	6.06	1.42	9.63	8.08	7.45	6.92
546-1598CSGY	1598CSGY	C	7.09	6.10	2.04	9.87	8.28	7.64	7.09
546-1598DS-GY	1598DSGY	C	7.09	8.11	2.52	12.54	10.52	9.70	9.01
546-1598FSGY	1598FSGY	C	9.84	6.30	1.58	12.22	10.25	9.46	8.78
546-1598GSGY	1598GSGY	C	9.84	6.30	3.00	14.31	12.01	11.07	10.28
546-1598HSGY	1598HSGY	C	11.02	7.87	1.58	14.29	11.99	11.06	10.27
546-1598JSGY	1598JSGY	C	11.02	7.87	3.00	16.66	13.98	12.89	11.97

Optional Accessories (For 1598 Series Cases)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Description	Price Each		
			1	5	10
546-1598ATS100	1598ATS100	#6 x 1/4" self tapping screws, 100 pack	3.50	2.94	2.71
546-1598ZPC25	1598ZPC25	Adhesive PC clips (25 per bag)	7.82	6.56	6.05
Optional Tilt Handle (Instructions and mounting hardware included)					
546-1598TH1	1598TH1	1598C-BK, E-BK, F-BK, G-BK	12.44	10.44	9.63
546-1598TH2	1598TH2	1598D-BK, H-BK, J-BK	12.44	10.44	9.63
Optional Tilt Stand (Instructions and mounting hardware included)					
546-1427-D5	1427-D5	For enclosures 5.5" to 7.0"	12.72	10.60	9.60

SUPER SHIELD CONDUCTIVE COATING

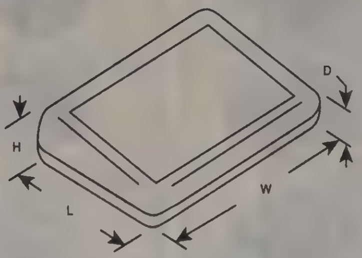
MG Chemicals

- Flammability rating: UL 94V-0

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Price Each
590-841-340G	841-340G	Aerosol 340g (12 oz)	27.95

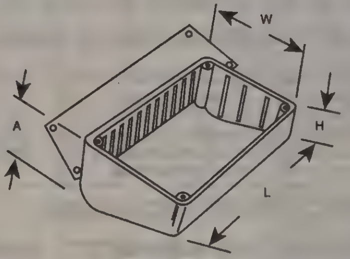
A



RoHS Compliant

- Includes removable rear panels for easy modification
- Molded in PCB card standoffs and vertical card guides
- 2 piece, lap joint construction provides protection against dust accumulation and splashing water
- Recessed top panel for membrane keypad

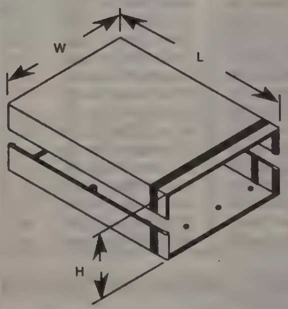
B



RoHS Compliant

- Four M3 x .5" x 8mm Phillips pan head screws threaded into integral brass bushings hold recessed panel
- Internal slot: accepts 0.062" PC cards
- 4 self adhesive rubber feet
- .20" dia. stand-off bosses in base
- ABS plastic case, UL 94V-0
- 0.04" thick painted aluminum panel

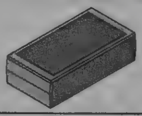
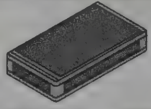
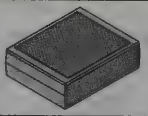
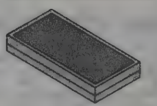
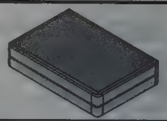
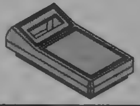
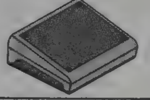
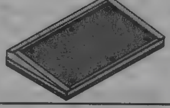
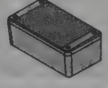
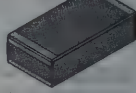
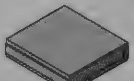
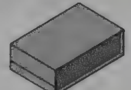
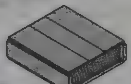
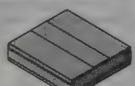
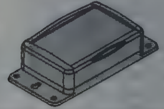
C



RoHS Compliant

- Molded in PC card standoffs and vertical card guides
- Designed to meet IP54
- Positive fit, "tongue & groove" construction requires only 2 mounting screws

PACTEC® Plastic Enclosures

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O


PACTEC® HANDHELD ENCLOSURES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Dimensions: in.					Price Each			
Black	Bone			Black	Bone	L	W	H	PC Board		1	10	25	50
616-71971-510-000	616-71972-510-039	A	JM-12IE	71971-510-000	71972-510-039	2.40	1.60	0.80	1.90	1.10	1.83	1.73	1.65	1.56
616-69313-510-000	616-69316-510-039	A	JM-22	69313-510-000	69316-510-039	2.40	2.20	1.00	1.90	1.70	2.19	2.09	1.98	1.88
616-71867-510-000	616-71868-510-039	A	JM-42	71867-510-000	71868-510-039	3.80	2.40	1.00	3.30	1.90	4.15	3.95	3.75	3.56
616-61980-510-000	616-61985-510-039	B	HM-9VB	61980-510-000	61985-510-039	3.80	2.40	1.00	3.10	1.90	3.52	3.35	3.18	3.02
616-62558-510-000	616-62562-510-039	C	HML	62558-510-000	62562-510-039	4.60	2.70	0.90	4.10	2.20	4.32	4.11	3.91	3.71
616-62578-510-000	616-62582-510-039	C	HML-9VB	62578-510-000	62582-510-039	4.60	2.70	1.00	4.10	2.20	4.86	4.61	4.39	4.17
616-60616-510-000	616-61989-510-039	D	HP	60616-510-000	61989-510-039	5.70	3.60	1.10	5.20	3.10	5.34	5.07	4.82	4.58
616-60620-510-000	616-62006-510-039	D	HP-9VB	60620-510-000	62006-510-039	5.70	3.60	1.20	5.20	3.10	5.87	5.59	5.30	5.03
616-60624-510-000	616-62040-510-039	E	HPL	60624-510-000	62040-510-039	7.50	4.10	1.10	7.00	3.60	7.37	7.00	6.66	6.32
616-60628-510-000	616-62057-510-039	E	HPL-9VB	60628-510-000	62057-510-039	7.50	4.10	1.20	7.00	3.60	7.85	7.46	7.08	6.73
616-60607-510-000	616-62016-510-039	F	HPS	60607-510-000	62016-510-039	5.70	3.60	1.10	5.20	3.10	6.68	6.35	6.02	5.72
616-60611-510-000	616-62036-510-039	F	HPS-9VB	60611-510-000	62036-510-039	5.70	3.60	1.30	5.20	3.10	7.69	7.31	6.94	6.60

PACTEC® KEYBOARD ENCLOSURES

For quantities of 100 and up, call for quote.

616-82399-510-000	616-82399-510-039	G	PT-8	82399-510-000	82399-510-039	6.60	8.90	2.70	6.10	8.40	17.89	16.99	16.15	15.34
616-82404-510-000	616-82404-510-039	G	PT-10	82404-510-000	82404-510-039	7.90	11.00	3.00	7.40	10.50	21.21	19.23	18.28	17.37
616-73700-510-000	616-73701-510-039	H	KEU-5LP	73700-510-000	73701-510-039	5.40	5.40	1.50	4.90	4.90	8.71	8.27	7.85	7.47
616-63100-510-000	616-63104-510-039	H	KEU-7	63100-510-000	63104-510-039	5.10	7.10	3.00	4.60	6.60	15.22	14.46	13.74	13.05
616-62291-510-000	616-62290-510-039	H	KEU-10	62291-510-000	62290-510-039	8.10	10.10	4.00	7.60	9.60	19.12	18.16	17.26	16.39
616-72556-510-000	616-72557-510-039	H	KEU-10LP	72556-510-000	72557-510-039	8.10	10.10	2.10	7.60	9.60	14.53	13.80	13.11	12.45

PACTEC® UTILITY ENCLOSURES

For quantities of 100 and up, call for quote.

616-74921-510-028	616-74922-510-060	I	FLX-2535	74921-510-028	74922-510-060	3.50	2.50	1.10	3.00	2.00	3.36	3.20	3.04	2.89
616-74980-510-028	616-74981-510-060	I	FLX-4624	74980-510-028	74981-510-060	4.60	2.40	1.30	4.10	1.90	3.89	3.70	3.52	3.34
616-74923-510-028	616-74924-510-060	I	FLXT-2535	74923-510-028	74924-510-060	3.50	2.50	1.10	3.00	2.00	3.36	3.20	3.04	2.89
616-74982-510-028	616-74983-510-060	I	FLXT-4624	74982-510-028	74983-510-060	4.60	2.40	1.30	4.10	1.90	3.89	3.70	3.52	3.34

PACTEC® DESKTOP ENCLOSURES

For quantities of 100 and up, call for quote.

616-75054-510-000	616-75053-510-039	J	LH43-100	75054-510-000	75053-510-039	3.10	4.50	1.20	2.60	4.00	5.50	5.22	4.96	4.72
616-75815-510-000	616-75816-510-039	J	LH43-200	75815-510-000	75816-510-039	3.10	4.50	1.70	2.60	4.00	6.03	5.74	5.45	5.18
616-79160-510-000	616-79160-510-039	J	LH45-175	79160-510-000	79160-510-039	4.70	4.10	1.70	4.20	3.60	6.73	6.39	6.08	5.77
616-71886-510-000	616-71887-510-039	J	LH55-130	71886-510-000	71887-510-039	5.10	5.10	1.50	4.60	4.60	8.00	7.61	7.22	6.86
616-71988-510-000	616-71989-510-039	J	LH55-200	71988-510-000	71989-510-039	5.10	5.10	2.20	4.60	4.60	8.51	8.08	7.68	7.30
616-74216-510-000	616-74217-510-039	J	LH57-130	74216-510-000	74217-510-039	7.20	5.50	1.50	6.70	5.00	9.34	8.87	8.43	8.00
616-71894-510-000	616-71895-510-039	J	LH64-130	71894-510-000	71895-510-039	4.20	6.10	1.50	3.70	5.60	8.00	7.61	7.22	6.87
616-71902-510-000	616-71903-510-039	J	LH84-130	71902-510-000	71903-510-039	4.20	8.10	1.50	3.70	7.60	10.09	9.59	9.11	8.66
616-74208-510-000	616-74209-510-039	J	LH96-130	74208-510-000	74209-510-039	6.20	9.10	1.50	5.70	8.60	11.40	10.83	10.28	9.77
616-74212-510-000	616-74213-510-039	J	LH96-200	74212-510-000	74213-510-039	6.20	9.10	2.20	5.70	8.60	12.34	11.72	11.14	10.57
616-76445-510-000	616-76445-510-039	J	LH129-250	76445-510-000	76445-510-039	9.30	11.10	2.20	8.80	10.60	18.26	17.36	16.48	15.65
616-71913-510-000	616-71914-510-039	K	CM3-100	71913-510-000	71914-510-039	5.20	3.30	1.20	4.70	2.80	7.21	6.85	6.51	6.18
616-63000-510-000	616-62999-510-039	K	CM3-150	63000-510-000	62999-510-039	5.20	3.30	1.70	4.70	2.80	7.80	7.40	7.04	6.69
616-63050-510-000	616-63049-510-039	K	CM5-125	63050-510-000	63049-510-039	5.20	5.10	1.50	4.70	4.60	7.99	7.60	7.21	6.85
616-64025-510-000	616-61956-510-039	K	CM5-200	64025-510-000	61956-510-039	5.20	5.10	2.20	4.70	4.60	8.23	7.81	7.43	7.05
616-71921-510-000	616-71922-510-039	K	CM6-150	71921-510-000	71922-510-039	6.20	6.10	1.70	5.70	5.60	10.84	10.30	9.78	9.30
616-63075-510-000	616-63074-510-039	K	CM6-225	63075-510-000	63074-510-039	6.20	6.10	2.50	5.70	5.60	12.23	11.62	11.04	10.49
616-64000-510-000	616-63999-510-039	K	CM6-300	64000-510-000	63999-510-039	6.20	6.10	3.20	5.70	5.60	13.35	12.68	12.05	11.45
616-63240-510-000	616-63244-510-039	K	CM69-180	63240-510-000	63244-510-039	9.50	6.30	1.90	9.00	5.80	15.38	14.62	13.88	13.18
616-63270-510-000	616-63274-510-039	K	CM69-240	63270-510-000	63274-510-039	9.50	6.30	2.50	9.00	5.80	16.02	15.22	14.46	13.74
616-63025-510-000	616-63024-510-039	K	CM86-225	63025-510-000	63024-510-039	6.20	8.10	2.50	5.70	7.60	15.18	14.42	13.71	13.02
616-72500-510-000	616-72494-510-039	L	DM-2	72500-510-000	72494-510-039	11.40	10.40	2.30	10.90	9.90	27.50	26.13	24.82	23.58
616-72501-510-000	616-72495-510-039	L	DM-3	72501-510-000	72495-510-039	11.40	10.40	3.30	10.90	9.90	28.03	26.63	25.31	24.04
616-72502-510-000	616-72496-510-039	L	DM-4	72502-510-000	72496-510-039	11.40	10.40	4.30	10.90	9.90	28.57	27.15	25.79	24.49
616-61000-510-000	616-61866-510-039	M	C-23	61000-510-000	61866-510-039	9.20	8.50	2.4-3.6	8.70	8.00	26.12	24.81	23.57	22.40
616-63210-510-000	616-63214-510-039	N	CF-275	63210-510-000	63214-510-039	9.10	8.30	3.10	8.60	7.80	20.03	19.02	18.07	17.17

PACTEC® OUTDOOR/IP RATED ENCLOSURES

MOUSER STOCK NO.		Fig.	PacTec Model No.	Pactec Part Number		Dimensions: in.					Price Each			
Gray	- - -			Gray	- - -	L	W	H	PC Board		1	10	25	50
OD Series														
616-82365-510-332	- - -	O	OD-45	82365-510-332	- - -	5.10	3.10	1.50	4.60	2.60	9.48	9.01	8.56	8.13
616-82428-510-332	- - -	O	OD-56	82428-510-332	- - -	6.00	5.00	1.50	5.50	4.50	11.51	10.94	10.39	9.87

PHOENIX CONTACT Modular Electronic Housings

BC ELECTRONIC HOUSINGS

The BC housings are available in different widths to accommodate various complexities in PCB design. The housing system also allows various types of connectors and terminal blocks without the need to alter the housing in any way.

Features:

- Compliant with DIN 43800 for a compact solution
- DIN-Rail or panel mount
- Ample connection space for industry standard data connections
- A 16 position DIN-rail connector for parallel or serial communications and power bussing that allows for swapping of modules without interruption
- Vertical, horizontal, or lengthwise PCB mounting for design flexibility
- Various PCB terminal block options for diverse application
- Transparent hinged cover option for user interaction

NEW
FROM SUPPLIER

Housings

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each		
Mfr.	Mfr. Part No.				1	10	50
35.6mm Wide							
651	2896254	A	BC 35.6 UT HBUS BK	Housing, lower base	4.70	4.21	3.94
651	2896034	A	BC 35.6 OT U11 KMGY	Housing, upper part with venting slots, 11.1mm terminal depth	4.55	4.08	3.82
651	2896047	A	BC 35.6 OT U22 KMGY	Housing, upper part with venting slots, 22.35mm terminal depth	3.03	2.72	2.54
651	2896157	A	BC 35.6 DKL R KMGY	Housing cover with captive locking, gray	1.97	1.78	1.65
651	2896115	A	BC 35.6 DKL STRANS	Housing cover, hinged, clear	2.49	2.24	2.09
651	2896283	B	HBUS 35.6-16P-1S BK	16 pos. bus connector with 18 position slot to the PCB	14.92	13.38	12.52
71.6mm Wide							
651	2896267	C	BC 71.6 UT HBUS BK	Housing, lower base	4.98	4.47	4.19
651	2896050	C	BC 71.6 OT U11 KMGY	Housing, upper part with venting slots, 11.1mm terminal depth	3.56	3.19	2.98
651	2896063	C	BC 71.6 OT U22 KMGY	Housing, upper part with venting slots, 22.35mm terminal depth	3.49	3.12	2.92
651	2896160	C	BC 71.6 DKL R KMGY	Housing cover with captive locking, gray	2.21	1.98	1.85
651	2896128	C	BC 71.6 DKL STRANS	Housing cover, hinged, clear	2.81	2.52	2.36
651	2896296	B	HBUS 71.6-16P-1S BK	16 pos. bus connector with 18 position slot to the PCB	18.72	16.78	15.70

Accessories for 35.6mm and 71.6mm Housings

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each		
Mfr.	Mfr. Part No.				1	10	50
651	2896335	-	BL2-2.54/16-ST	Power connector for DIN-rail bus connector, socket strip	4.69	4.21	3.93
651	2896348	-	SL2-2.54/16-ST	Power connector for DIN-rail bus connector, pin strip	5.45	4.88	4.57
651	2896186	-	BC 17.6 BS U11 KMGY	17.6mm cover cap for empty terminal space, 11.1mm depth	3.49	3.13	2.93
651	2896199	-	BC 17.6 BS U22 KMGY	17.6mm cover cap for empty terminal space, 22.35mm depth	2.20	1.97	1.85
651	2896209	-	BC 35.6 BS U11 KMGY	35.6mm cover cap for empty terminal space, 11.1mm depth	2.57	2.31	2.16
651	2896212	-	BC 35.6 BS U22 KMGY	35.6mm cover cap for empty terminal space, 22:35mm depth	2.65	2.38	2.23

ME MAX ELECTRONIC HOUSINGS

The ME MAX housings mark the new standard for electronic housings for DIN Rail mounting. With the new Din-Rail mounted bus connector, Phoenix Contact's ME MAX housings are hot swappable allowing upgrades or system maintenance without down time. Despite compact dimensions, the housings offer plenty of space for an individual choice of electronics.

Features:

- Large PCB surface
- Expandable up to 48 connection points
- Fixed or pluggable terminal blocks
- DIN-Rail grounding feature
- Electronic housing consists of: Housing shells left and right, front plate, transparent cover, metal foot catch and spring
- Simple exchange of modules without having to break the contact chain
- Optional Din-Rail bus connector and earth ground contacts
- Gray color
- UL 94V-0 flammability rating

Housings

For quantities of 100 and up, call for quote.

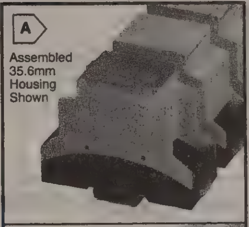
MOUSER STOCK NO.		Fig.	Phoenix Type	No. of Pos.	Dimensions (mm)			AWG	Connection Type	Price Each		
Mfr.	Mfr. Part No.				W	L	H			1	10	50
17.5mm Wide												
651	2713641	D	ME MAX 17.5 U-U1 KMGY	1x3	17.5	99.0	114.5	26-12	Screw	8.58	7.89	7.26
651	2713599	D	ME MAX 17.5 2-2 KMGY	4x3	17.5	99.0	114.5	26-12	Screw	7.49	6.89	6.34
651	2713612	D	ME MAX 17.5 3-3 KMGY	6x3	17.5	99.0	114.5	26-12	Screw	7.49	6.89	6.34
22.5mm Wide												
651	2713476	E	ME MAX 22.5 U-U1 KMGY	1x4	22.5	99.0	114.5	26-12	Screw	8.82	8.12	7.46
651	2713625	E	ME MAX 22.5 2-2 KMGY	4x4	22.5	99.0	114.5	26-12	Screw	7.73	7.11	6.54
651	2713939	E	ME MAX 22.5 3-3 KMGY	6x4	22.5	99.0	114.5	26-12	Screw	7.73	7.11	6.54
35mm Wide												
651	2713667	F	ME MAX 35 U-U1 KMGY	2x3	35.0	99.0	114.5	26-12	Screw	12.95	11.91	10.96
651	2713670	F	ME MAX 35 2-2 KMGY	8x3	35.0	99.0	114.5	26-12	Screw	11.86	10.91	10.04
651	2713696	F	ME MAX 35 3-3 KMGY	12x3	35.0	99.0	114.5	26-12	Screw	11.86	10.91	10.04
45mm Wide												
651	2713492	G	ME MAX 45 U-U1 KMGY	2x4	45.0	99.0	114.5	26-12	Screw	13.42	12.34	11.36
651	2713706	G	ME MAX 45 2-2 KMGY	8x4	45.0	99.0	114.5	26-12	Screw	12.33	11.34	10.43
651	2713913	G	ME MAX 45 3-3 KMGY	12x4	45.0	99.0	114.5	26-12	Screw	12.33	11.34	10.43

Accessories

For quantities of 100 and up, call for quote.

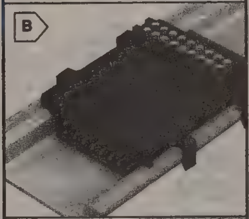
MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each		
Mfr.	Mfr. Part No.				1	10	50
For 17.5mm and 35mm Housings							
651	2713735	-	MKDSO 2.5/3-6 SET KMGY	PCB Connection Kit: Header & PCB terminal blocks, 6x3 pos.	13.92	12.81	11.78
651	2713748	-	MSTBO 2.5/3-6-ST SET KMGY	PCB Connection Kit: Header & screw connectors, 6x3 pos.	20.91	19.23	17.69
651	2713645	H	ME 17.5 TBUS1.5/5-ST-3.81 KMGY	DIN Rail bus connector, gold contacts, 5 pos.	6.49	5.97	5.49
651	2706959	-	ME MAX B-17.5 KMGY	Cover caps for unequipped terminal points	.45	.41	.38
651	2713777	-	ME MAX LP SAMPLE MSTBO 2-2	PCB for custom fitting, 114.5mm	26.23	24.13	22.20
651	2908294	-	ME FE CONTACT	Functional earth ground contact	.94	.86	.79
For 22.5mm and 45mm Housings							
651	2713751	-	MKDSO 2.5/4-6 SET KMGY	PCB Connection Kit: Header & PCB terminal blocks, 6x4 pos.	19.19	17.65	16.24
651	2713764	-	MSTBO 2.5/4-6 SET KMGY	PCB Connection Kit: Header & screw connectors, 6x4 pos.	29.25	26.91	24.75
651	2713722	H	ME 22.5 TBUS 1.5/5-ST-3.81 KMGY	DIN Rail bus connector, gold contacts, 5 pos.	6.91	6.35	5.84
651	2707929	-	ME MAX B-22.5 KMGY	Cover caps for unequipped terminal points	.52	.47	.44
651	2713777	-	ME MAX LP SAMPLE MSTBO 2-2	PCB for custom fitting, 114.5mm	26.23	24.13	22.20
651	2908294	-	ME FE CONTACT	Functional earth ground contact	.94	.86	.79

A

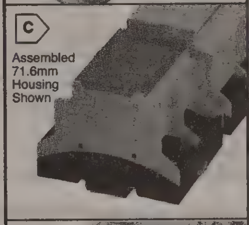


Assembled 35.6mm Housing Shown

B

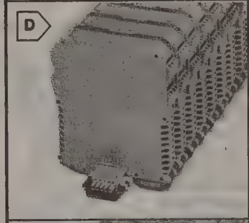


C

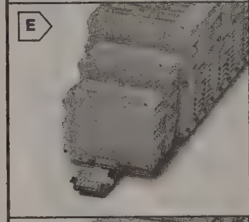


Assembled 71.6mm Housing Shown

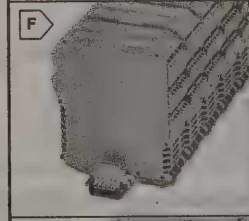
D



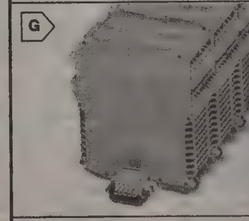
E



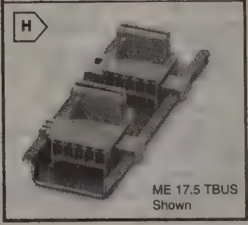
F



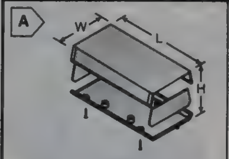
G



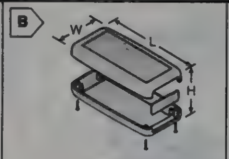
H



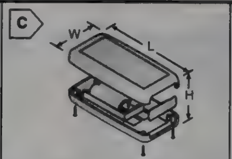
ME 17.5 TBUS Shown



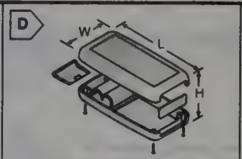
A - Series



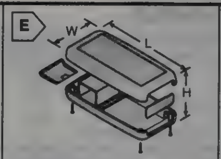
H - Series Standard



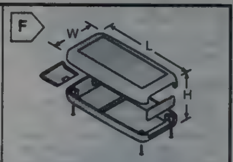
H - Series w/ AAA Battery Comp.



H - Series w/ AA Battery Compartment



H - Series w/ 9V Battery Comp.



H - Series w/ Access Compartment

SERPAC A - SERIES

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Four-piece design
- Circuit board mounting bosses

There are 3 colors available, replace the (__) in the part number with: **A** for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	10	25
Standard								
635-A-20-__	A-20-__	A	4.25	2.60	0.87	5.63	4.42	4.02
635-A-21-__	A-21-__	A	4.25	2.60	1.12	5.78	4.54	4.13
635-A-27-__	A-27-__	A	5.31	3.35	1.51	8.51	6.68	6.08
635-A-31-__	A-31-__	A	5.30	5.10	1.71	10.96	8.61	7.83
635-A-41-__	A-41-__	A	7.10	5.00	1.30	14.01	11.36	9.60
635-A-42-	A-42-	A	7.10	5.00	11.57	13.38	10.51	9.56
With 9V Battery Compartment								
635-A-21-9V-__	A-21-9V-__	A	4.25	2.60	1.12	7.31	5.74	5.22
635-A-27-9V-__	A-27-9V-__	A	5.31	3.14	1.51	10.52	8.27	7.52
635-A-31-9V-__	A-31-9V-__	A	5.30	5.10	1.71	12.89	10.13	9.21
635-A-41-9V-__	A-41-9V-__	A	7.10	5.00	1.30	14.28	11.22	10.20
635-A-42-9V-__	A-42-9V-__	A	7.10	5.00	1.62	14.97	11.76	10.70

Optional End Panels for A Series Enclosures

Available in **Clear (CL)**, **Infrared (IR)**, DB9 Cutout, DB25 Cutout, and 9V Battery Cutout

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	For Enclosure	Price Each		
			1	10	25
635-2003-CL	2003-CL	A-20	1.49	.87	.84
635-2003-IR	2003-IR	A-20	1.61	.92	.89
635-2003-DB9	2003-DB9	A-20	1.21	.70	.68
635-2003-DB25	2003-DB25	A-20	1.21	.70	.68
635-2005-CL	2005-CL	A-21	1.49	.87	.84
635-2005-IR	2005-IR	A-21	1.61	.92	.89
635-2005-DB9	2005-DB9	A-21	1.51	1.36	1.30
635-2005-DB25	2005-DB25	A-21	1.21	.70	.68
635-2006-9V	2006-9V	A-21	1.08	.62	.59
635-2010-CL	2010-CL	A-27	1.65	.92	.89
635-2010-IR	2010-IR	A-27	1.79	1.01	.97
635-2010-DB9	2010-DB9	A-27	1.48	1.23	1.18
635-2010-DB25	2010-DB25	A-27	1.33	.77	.74
635-2011-9V	2011-9V	A-27	1.18	.67	.65
635-2015-CL	2015-CL	A-31	3.20	2.89	2.63
635-2015-IR	2015-IR	A-31	2.95	1.64	1.58
635-2015-DB9	2015-DB9	A-31	2.32	1.34	1.30
635-2015-DB25	2015-DB25	A-31	2.32	1.34	1.30
635-2016-9V	2016-9V	A-31	2.09	1.18	1.13
635-2020-CL	2020-CL	A-41	2.45	1.37	1.32
635-2020-IR	2020-IR	A-41	2.66	1.48	1.43
635-2020-DB9	2020-DB9	A-41	1.95	1.12	1.08
635-2020-DB25	2020-DB25	A-41	1.95	1.12	1.08
635-2021-9V	2021-9V	A-42	1.79	1.01	.97
635-2024-CL	2024-CL	A-42	2.71	1.50	1.44
635-2024-IR	2024-IR	A-42	2.95	1.64	1.58
635-2024-DB9	2024-DB9	A-42	2.32	1.34	1.30
635-2024-DB25	2024-DB25	A-42	2.32	1.34	1.30
635-2025-9V	2025-9V	A-42	2.09	1.18	1.13

SERPAC H - SERIES SOLID COLORS

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Multiple battery compartment configurations with contactors
- Three-piece design with ergonomic handheld shape
- Circuit board mounting bosses
- Pocket clip available

There are 3 colors available, replace the (__) in the part number with: **A** for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	10	25
Standard								
635-H-45-__	H-45-__	B	3.90	2.20	.94	8.75	9.21	8.39
635-H-65-__	H-65-__	B	4.94	2.75	.94	7.50	5.89	4.89
635-H-75-	H-75-	B	7.20	3.65	1.26	8.48	6.67	6.06
With AAA Battery Compartment								
635-H-45-AAA-__	H-45-AAA-__	C	3.90	2.20	.94	9.74	10.21	9.27
With AA Battery Compartment								
635-H-65AA-__	H-65-AA-__	D	4.94	2.75	.94	13.21	10.38	5.87
635-H-67AA-__	H-67-AA-__	D	4.94	2.75	1.28	9.58	6.01	5.46
635-H-75-4AA-__	H-75-4AA-__	D	7.20	3.65	1.26	13.64	11.05	9.35
With 9V Battery Compartment								
635-H-659V-__	H-65-9V-__	E	4.94	2.75	.94	8.09	6.35	5.78
635-H-679V-__	H-67-9V-__	E	4.94	2.75	1.28	7.54	6.48	5.39
635-H-75-9V-__	H-75-9V-__	E	7.20	3.65	1.26	9.39	8.09	6.71
With Access Compartment								
635-H-65AC-__	H-65-AC-__	F	4.94	2.75	.94	7.50	5.38	5.36
635-H-67AC-__	H-67-AC-__	F	4.94	2.75	1.28	7.69	6.04	5.49

SERPAC H - SERIES TRANSLUCENT COLORS

Features:
- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Pocket clip available

There are 4 colors available, replace the (__) in the part number with: **BL** for **Blue** or **GR** for **Green** or **RD** for **Red** or **GY** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	10	25
635-H-65AATR-__	H-65-AA-TR-__	D	4.94	2.75	.94	14.49	11.39	10.35
635-H-659VTR-__	H-65-9V-TR-__	E	4.94	2.75	.94	14.26	11.20	10.19

Optional End Panels for H Series Enclosures

Available in **Clear (CL)**, **Infrared (IR)**, and **Red (R)**

For quantities of 100 and up, call for quote.

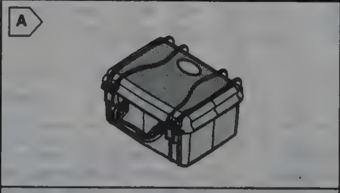
MOUSER STOCK NO.	Serpac Part No.	Price Each			
		1	10	25	50
635-2104-CL	2104-CL	1.97	1.19	1.15	1.11
635-2104-IR	2104-IR	2.63	1.67	1.61	1.55
635-2104-R	2104-R	2.84	1.75	1.69	1.63
635-2105-CL	2105-CL	2.11	1.25	1.20	1.16
635-2105-IR	2105-IR	2.77	1.72	1.66	1.60
635-2105-R	2105-R	2.98	1.83	1.77	1.70
635-2106-CL	2106-CL	2.23	1.33	1.28	1.24
635-2106-IR	2106-IR	2.96	1.82	1.76	1.69
635-2106-R	2106-R	3.19	1.95	1.88	1.81
635-2107-CL	2107-CL	2.45	1.48	1.43	1.38
635-2107-IR	2107-IR	3.39	1.97	1.90	1.83
635-2107-R	2107-R	3.67	2.14	2.07	1.99

SERPAC R - SERIES EQUIPMENT CASES

There are 4 colors available, replace the (__) in the part number with: **GM** for **Gunmetal** (Dark Gray) or **B** for **Black** or **CY** for **Caution Yellow** or **IO** for **International Orange**

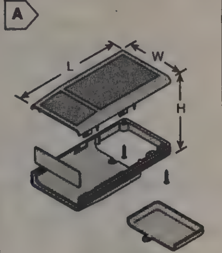
MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each
			L	W	H	
635-R-120-__	R-120-__	A	8.70	7.45	3.89	19.18
635-R-300-__	R-300-__	A	10.80	9.85	4.50	31.20
635-R-520-__	R-520-__	A	14.85	12.15	6.85	49.95
635-R-710-__	R-710-__	A	19.75	15.53	5.41	82.89
635-R-720-__	R-720-__	A	19.75	15.53	7.48	75.78
635-R-920-__	R-920-__	C	24.00	16.00	10.10	151.36
635-R-1220-	R-1220F-__	C	28.17	22.27	15.10	322.81
Extreme RX Series • Flame retardant protection • Available in Black only						
635-RX-120F	RX-120F	A	7.59	8.88	3.97	41.17
635-RX-300F	RX-300F	A	10.9	9.9	4.92	63.56
635-RX-520F	RX-520F	A	15.11	12.4	6.94	117.55
635-RX-710F	RX-710F	A	20.1	15.8	5.51	192.22
635-RX-720F	RX-720F	A	20.1	15.8	7.6	192.22
R-Series Computer Case						
635-R-710CC-__	R-710CC-__	B	19.75	15.53	5.41	199.94
635-R-720CC-	R-720CC-	B	19.75	15.53	7.48	91.78
R-Series Enclosure With Divider Set						
635-R-720D-__	R-720D-__	D	19.75	15.53	7.48	107.36

Features:
- O-ring watertight/airtight seal
- Ergonomic handle
- Pressure purge valve
- Corrosion proof
- Foam inserts included
- Lifetime guarantee
- UV protected

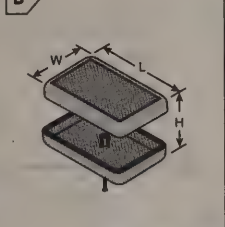


SERPAC Enclosures and Accessories

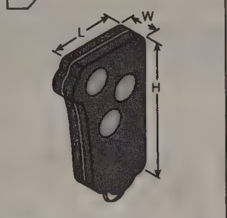
SERPAC
Electronic Enclosures

A


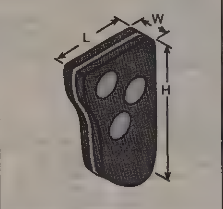
M - Series

B


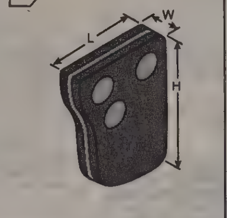
C - Series

C


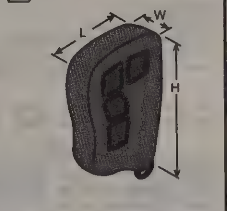
CA-6 Series
3-Button Variation Illustrated

D


CA-8 Series
3-Button Variation Illustrated

E


CA-10 Series
3-Button Variation Illustrated

F


CA-4 Series
4-Button Variation Illustrated

SERPAC M - SERIES SOLID COLORS

Features:
- Hi-impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Four-piece handheld design
- Battery compartment with contactors

There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Battery Compartment	Dimensions: in.			Price Each		
				L	W	H	1	10	25
Standard									
635-M-4-__	M-4-__	A	1 x AA	2.80	2.20	0.71	6.28	4.93	4.49
635-M-6-__	M-6-__	A	2 x AA/ 1 x 9V	4.15	2.40	0.85	7.83	6.15	5.60
635-M-8-__	M-8-__	A	2 x AA/ 1 x 9V	6.97	2.40	0.85	9.32	7.33	6.66
With Pocket Clip									
635-M-4PC-__	M-4-PC-__	A	1 x AA	2.80	2.20	0.70	7.43	5.84	5.31
635-M-6PC-__	M-6-PC-__	A	2 x AA/ 9V	4.15	2.40	0.85	9.05	7.11	6.47
635-M-8PC-__	M-8-PC-__	A	2 x AA/ 9V	6.97	2.40	0.85	10.75	8.45	7.68

SERPAC M - SERIES TRANSLUCENT COLORS

Features:
- Hi-impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available

There are 4 colors available, replace the (__) in the part number with:
BL for **Blue** or **GR** for **Green** or **RD** for **Red** or **GY** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	10	25
635-M-4TR-__	M-4-TR-__	A	2.80	2.20	0.70	11.00	8.65	7.86
635-M-6TR-__	M-6-TR-__	A	4.15	2.40	0.85	13.82	10.86	9.87

Optional End Panels for M Series Enclosures

Available in **Clear (CL), Infrared (IR), and Transparent Red (R)**

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	For Enclosures	Price Each			
			1	10	25	50
635-4004-CL	4004-CL	M-4	1.97	1.19	1.15	1.15
635-4004-IR	4004-IR	M-4	2.63	1.67	1.61	1.61
635-4004-R	4004-R	M-4	2.84	1.75	1.69	1.69
635-4008-CL	4008-CL	M-6, M-8	2.11	1.25	1.20	1.20
635-4008-IR	4008-IR	M-6, M-8	2.77	1.72	1.66	1.66
635-4008-R	4008-R	M-6, M-8	2.98	1.83	1.77	1.77

SERPAC C - SERIES SOLID COLORS

Features:
- Hi-impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Two-piece design
- Accepts .031" circuit board trapped on outer perimeter and central boss

There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	10	25
Standard								
635-C-4-__	C-4-__	B	2.13	1.38	.58	2.65	2.08	1.89
635-C-6-__	C-6-__	B	2.26	1.61	.75	2.65	2.08	1.89
635-C-8-__	C-8-__	B	2.40	1.85	.93	2.65	2.08	1.89
635-C-10-__	C-10-__	B	2.30	3.25	.80	2.98	2.34	2.13
635-C-12-__	C-12-__	B	2.40	3.75	1.00	4.08	3.73	3.39
635-C-28-__	C-28-__	B	1.85	5.00	1.00	4.20	3.81	3.46
With Pocket Clip								
635-C-4PC-__	C-4PC-__	B	2.13	1.32	.58	4.68	3.68	3.35
635-C-6PC-__	C-6PC-__	B	2.26	1.61	.75	5.42	4.41	3.73
635-C-8PC-__	C-8PC-__	B	2.40	1.85	.93	4.68	3.68	3.35
635-C-10PC-__	C-10PC-__	B	3.25	2.30	.80	5.02	3.94	3.59

SERPAC C - SERIES TRANSLUCENT COLORS

Features:
- Hi-impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available

There are 4 colors available, replace the (__) in the part number with:
BL for **Blue** or **GR** for **Green** or **RD** for **Red** or **GY** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	10	25
635-C-4TR-__	C-4-TR-__	B	2.13	1.38	.58	4.47	3.51	3.20
635-C-6TR-__	C-6-TR-__	B	2.26	1.61	.75	4.47	3.51	3.20
635-C-8TR-__	C-8-TR-__	B	2.40	1.85	.93	4.47	3.51	3.20
635-C-10TR-__	C-10-TR-__	B	3.25	2.30	.80	5.08	3.99	3.63

SERPAC CH - SERIES

Features:
- Hi-impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- 1 Insert Area
- Two-piece design with rounded edges
- Accepts .031" circuit board trapped on outer perimeter and central boss

There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	10	25
635-CH-4-__	CH-4-__	B	2.27	1.52	.59	3.26	2.96	2.70
635-CH-6-__	CH-6-__	B	2.39	1.74	.76	3.26	2.96	2.70
635-CH-8-__	CH-8-__	B	2.40	1.85	.93	3.26	2.96	2.70

SERPAC CA - SERIES

Features:
- Ergonomic design
- 0 to 6 button configurations available (configurations vary by model)
- All models are designed to hold 20mm coin cell battery (CA-10 is also designed to hold 2 x AAA batteries)
- CA-6 and CA-8 models have watertight button(s) and a perimeter ring
- Assembles with two or three screws
- High impact ABS plastic
- UL 94HB flammability rating

There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	No. of Buttons	Dimensions: in.			Price Each		
				L	W	H	1	10	25
635-CA-6-0-__	CA-6-0-__	C	0	3.01	1.45	1.07	8.12	7.20	6.65
635-CA-8-0-__	CA-8-0-__	D	0	3.27	1.81	1.02	8.64	7.59	7.01
635-CA-10-0-__	CA-10-0-__	E	0	3.32	2.47	1.08	10.26	8.92	8.23
635-CA-6-1-__	CA-6-1-__	C	1	3.01	1.45	1.07	8.12	7.20	6.65
635-CA-8-1-__	CA-8-1-__	D	1	3.27	1.81	1.02	8.64	7.59	7.01
635-CA-10-1-__	CA-10-1-__	E	1	3.32	2.47	1.08	10.26	8.92	8.23
635-CA-4-2-__	CA-4-2-__	F	2	1.73	0.6	2.48	5.56	5.06	4.59
635-CA-6-2-__	CA-6-2-__	C	2	3.01	1.45	1.07	8.12	7.20	6.65
635-CA-8-2-__	CA-8-2-__	D	2	3.27	1.81	1.02	8.64	7.59	7.01
635-CA-10-2-__	CA-10-2-__	E	2	3.32	2.47	1.08	10.26	8.92	8.23
635-CA-4-3-__	CA-4-3-__	F	3	1.73	0.6	2.48	5.56	5.06	4.59
635-CA-6-3-__	CA-6-3-__	C	3	3.01	1.45	1.07	8.12	7.20	6.65
635-CA-8-3-__	CA-8-3-__	D	3	3.27	1.81	1.02	8.64	7.59	7.01
635-CA-10-3-__	CA-10-3-__	E	3	3.32	2.47	1.08	10.26	8.92	8.23
635-CA-4-4-__	CA-4-4-__	F	4	1.73	0.6	2.48	5.56	5.06	4.59
635-CA-6-4-__	CA-6-4-__	C	4	3.01	1.45	1.07	8.12	7.20	6.65
635-CA-8-4-__	CA-8-4-__	D	4	3.27	1.81	1.02	8.64	7.59	7.01
635-CA-10-4-__	CA-10-4-__	E	4	3.32	2.47	1.08	10.26	8.92	8.23
635-CA-8-5-__	CA-8-5-__	D	5	3.27	1.81	1.02	8.64	7.59	7.01
635-CA-10-5-__	CA-10-5-__	E	5	3.32	2.47	1.08	10.26	8.92	8.23
635-CA-10-6-__	CA-10-6-__	E	6	3.32	2.47	1.08	10.26	8.92	8.23

SERPAC S - SERIES

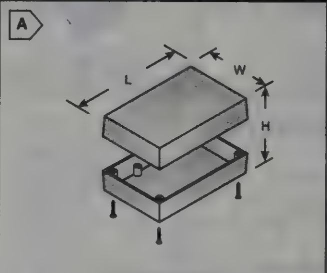
Features:

- Hi-Impact ABS plastic
- Custom colors, machining, molding, and pad printing available
- "I" version has a .015" smooth depression on top for printing or flush membrane/ label surface
- Wall mount options available on select models. Contact a Mouser Service Representative
- UL 94 HB flammability rating
- Two-piece standard design
- Circuit board mounting bosses

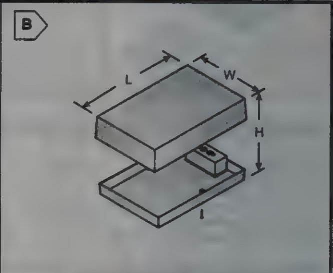
There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
					L	W	H	1	10	25
Standard		With Recessed Top								
635-021-__	021-__	635-021-I-__	021-I-__	A	4.10	2.60	.90	4.90	4.47	4.05
635-031-__	031-__	635-031-I-__	031-I-__	A	4.38	3.25	.91	4.79	3.76	3.42
635-032-__	032-__	- - -	- - -	A	4.38	3.25	1.41	6.37	5.80	5.28
635-033-__	033-__	635-033-I-__	033-I-__	A	4.38	3.25	1.91	6.84	6.22	5.64
635-051-__	051-__	635-051-I-__	051-I-__	A	5.63	3.25	.91	6.81	6.20	5.62
635-052-__	052-__	- - -	- - -	A	5.63	3.25	1.41	5.94	4.67	4.25
635-053-__	053-__	635-053-I-__	053-I-__	A	5.63	3.26	1.91	8.00	7.24	6.60
635-071-__	071-__	635-071-I-__	071-I-__	A	6.88	4.88	.91	8.69	7.01	5.97
635-072-__	072-__	635-072-I-__	072-I-__	A	6.88	4.88	1.41	11.47	10.45	9.48
635-073-__	073-__	635-073-I-__	073-I-__	A	6.88	4.88	1.91	11.72	10.69	9.70
635-091-__	091-__	635-091-I-__	091-I-__	A	9.50	6.34	.91	15.76	14.36	13.01
635-092-__	092-__	635-092-I-__	092-I-__	A	9.50	6.34	1.41	16.27	15.73	14.52
635-093-__	093-__	635-093-I-__	093-I-__	A	9.50	6.34	1.91	16.88	15.31	13.94
635-110-__	110-__	635-110-I-__	110-I-__	A	3.61	2.27	1.01	3.21	2.52	2.30
635-111-__	111-__	635-111-I-__	111-I-__	A	3.61	2.27	1.51	4.05	3.18	2.90
635-112-__	112-__	- - -	- - -	A	3.61	2.27	2.01	5.19	4.72	4.28
635-113-__	113-__	- - -	- - -	A	3.61	2.27	2.51	5.46	4.97	4.51
635-131-__	131-__	635-131-I-__	131-I-__	A	4.38	3.25	1.51	5.21	4.09	3.72
635-132-__	132-__	- - - -	- - -	A	4.38	3.25	2.01	6.84	6.23	5.64
635-133-__	133-__	635-133-I-__	133-I-__	A	4.38	3.25	2.51	5.86	4.60	4.19
635-151-__	151-__	635-151-I-__	151-I-__	A	5.63	3.25	1.51	6.05	4.75	4.32
635-152-__	152-__	- - -	- - -	A	5.63	3.26	2.01	7.88	7.18	6.51
635-153-__	153-__	635-153-I-__	153-I-__	A	5.63	3.25	2.51	7.87	6.40	5.41
635-171-__	171-__	635-171-I-__	171-I-__	A	6.88	4.88	1.51	8.76	6.88	6.26
635-172-__	172-__	635-172-I-__	172-I-__	A	6.88	4.88	2.01	8.36	6.57	5.97
635-173-__	173-__	635-173-I-__	173-I-__	A	6.88	4.88	2.51	9.87	7.76	7.05
635-182-__	182-__	635-182-I-__	182-I-__	A	14.21	4.88	2.01	19.05	17.35	15.72
635-191-__	191-__	635-191-I-__	191-I-__	A	9.50	6.34	1.51	13.52	10.38	9.44
635-192-__	192-__	635-192-I-__	192-I-__	A	9.50	6.34	2.01	17.42	16.77	15.48
635-193-__	193-__	635-193-I-__	193-I-__	A	9.50	6.34	2.51	13.94	10.96	9.96



S - Series Standard



S - Series with 9V Battery Compartment

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
					L	W	H	1	10	25
W/ 9V Batt. Compart.		With Recessed Top								
635-211-__	211-__	635-211-I-__	211-I-__	B	4.10	2.60	1.51	6.04	5.50	5.00
635-231-__	231-__	635-231-I-__	231-I-__	B	4.38	3.25	1.51	6.11	4.80	4.37
635-232-__	232-__	- - -	- - -	B	4.38	3.25	2.01	6.49	5.10	4.64
635-233-__	233-__	635-233-I-__	233-I-__	B	4.38	3.25	2.51	8.43	7.69	6.98
635-251-__	251-__	635-251-I-__	251-I-__	B	5.63	3.25	1.51	9.42	8.56	7.80
635-252-__	252-__	- - -	- - -	B	5.63	3.25	2.01	8.04	6.32	5.75
635-253-__	253-__	635-253-I-__	253-I-__	B	5.63	3.25	2.51	10.57	9.62	8.74
635-271-__	271-__	635-271-I-__	271-I-__	B	6.88	4.88	1.51	12.79	11.64	10.59
635-272-__	272-__	635-272-I-__	272-I-__	B	6.88	4.88	2.01	10.79	8.48	10.79
635-273-__	273-__	635-273-I-__	273-I-__	B	6.88	4.88	2.51	14.02	12.71	11.56

SERPAC SL - SERIES

Features:

- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Two-piece design with slanted top
- Recessed top for label
- Circuit board mounting bosses
- Wall mount options available on select models. Contact a Mouser Service Representative

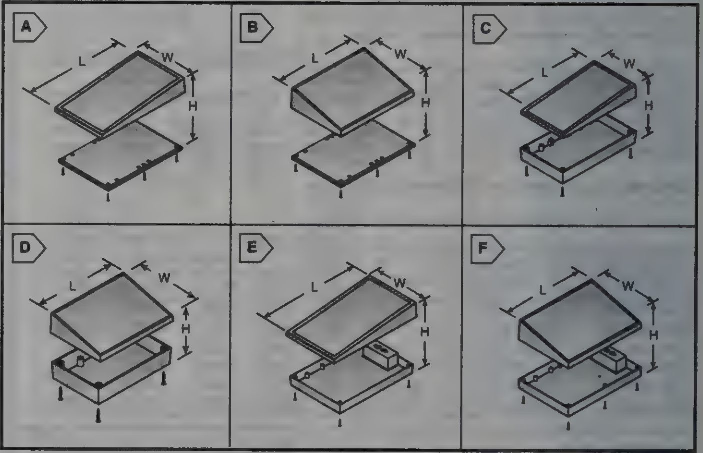
There are 3 colors available, replace the (__) in the part number with:
A for **Almond** or **B** for **Black** or **G** for **Gray**

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Fig.	Dimensions: in.			Price Each		
			L	W	H	1	10	25
635-05-S-__	05-S-__	A	5.63	3.25	0.91	6.81	6.20	5.62
635-07-S-__	07-S-__	B	6.88	4.88	1.88	8.04	6.32	5.75
635-15-S-__	15-S-__	C	5.63	3.25	1.51	6.05	4.75	4.32
635-17-S-__	17S-S__	D	6.88	4.88	2.49	8.32	6.53	5.94

With 9V Battery Compartment

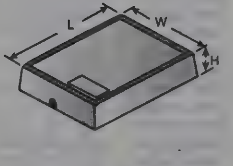
635-25-S-__	25-S-__	E	5.63	3.25	1.52	7.52	5.91	5.37
635-27-S-__	27-S-__	F	6.88	4.88	2.49	10.06	7.90	7.19



SERPAC G - SERIES WALL MOUNT APPLICATIONS

Features:

- Hi-Impact ABS plastic
- UL 94 HB flammability rating
- Custom colors, machining, molding, and pad printing available
- Two-piece design
- Fits standard gang boxes
- Circuit board mounting bosses
- Color: Almond



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Dimensions: in.			Price Each		
		L	W	H	1	10	25
635-G-10-A	G-10-A	4.38	3.25	.89	7.05	6.40	5.80
With Drilled Hole for LED and Recessed Area for Label							
635-G-10A-A	G-10A-A	4.38	3.25	.89	7.05	6.40	5.80

SERPAC ENCLOSURE ACCESSORIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	Description	Price Each			
			1	10	50	100
635-50	50	Black press-in feet	.35	.18	.13	.11
635-51	51	Black stick-on feet	.33	.26	.24	.17
635-52	52	Clear stick-on feet	.33	.26	.24	.17
635-60	60	Standoff holes	.68	.34	.34	.31
635-61	61	Standoff posts	.59	.30	.30	.28

Waterproof Gaskets

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Serpac Part No.	For S- and SL- Series Enclosures	Price Each		
			1	10	50
635-PS-11	PS-11	111,112,113	4.66	2.33	2.15
635-PS-13	PS-13	131,132,133	5.30	2.65	2.43
635-PS-15	PS-15	151,152,153,15-S	4.89	2.91	2.81
635-PS-17	PS-17	171,172,173,17-S	6.68	3.61	3.30
635-PS-19	PS-19	191, 192, 193	7.23	3.73	3.41

ADDA DC Brushless Fans

DC BRUSHLESS FANS

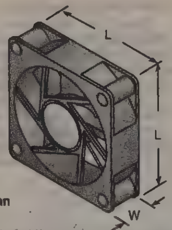
Specifications:

- Frame housing and impeller; black PBT per UL94V-0, glass-filled.
- Operating temperature: -10°C ~=75°C.
- Life expectancy: 50,000 hours min @ 25°C, relative humidity by 65°.
- Lead wire termination
- Storage temperature: -40° to 75°C
- Motor protection and polarity protection
- **AD0312HB-G50(S)-one ball, one sleeve**
- **AD0412HB-C56-third wire speed sensor (tachometer)**
- **AD0605LB-A72GL-third wire alarm**

Features:

- All products are tested to stringent 6-Sigma quality in addition to statistical process control.
- ADDA also performs periodic audits on each product to ensure the best quality control.

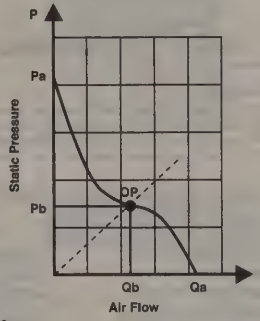
RoHS Compliant



Standard DC Fan

The FPC (Fan Performance Curve) is measured from the air chamber. The SRC (imaginary System Resistance Curve) must also be measured in the air chamber as it pertains to each application. The intersection of the FPC and SRC is the operating point (OP). Qb and Pb meet the requirement characteristics of the application.

Fan Performance Curve



MODEL NUMBERING SCHEME

AD 06 12 H X - A 7 3 GL

Fan type: **GL**=Low noise; **GP**=Great performance; **Blank**=Standard

Motor protective circuit & Third Lead Wire:
0=by impedance; 3=by IC with speed sensor; 7=low speed; A=VS+RD; 1=by IC; 4=by IC with variable speed sensor(VS); 8=VS+FG; B=PWM+FG; 2=by IC with alarm (RD); 6=by transistor with speed sensor(FG); 9=PWM control; C=RD+FG

DC Impeller number: **5**=5 blades; **7**=7 blades; **9**=9 blades; **A**=11 blades; **B**=13 blades; **C**=15 blades; **D**=17 blades; **E**=19 blades; **F**=21 blades; **0**=Blower blade shape
AC Lead wire type: T=Terminal; W=Wires

DC: **Thickness**: **A**=25mm; **B**=28mm; **C**=20mm; **D**=15mm; **E**=12mm; **F**=38mm; **G**=10mm; **J**=8mm; **L**=14mm; **H**=13mm; **P**=50mm; **K**=6mm; **Q**=7mm; **R**=9mm; **T**=11mm; **Y**=32mm; **Z**=33mm; **S**=16mm; **M**=23mm; **N**=18mm
AC: **Frame material**: A=Aluminum alloy; P=Plastic

Bearing Type: X=HYPRO bearing; B= BALL bearing; S=SLEEVE bearing; F=FDB

Speed: D=Ultra Low; L=Low; M=Medium; H=High; U=Ultra high; X=Over Ultra high; V=Maximum high speed

DC Voltage: 03=3VDC; 05=5VDC; 12=12VDC; 24=24VDC; 48=48VDC **AC Voltage**: 1=110~120VAC (115VAC); 2=220~240VAC (230VAC)

DC Frame size: **15**=15mm; **20**=20mm; **02**=25mm; **03**=30mm; **35**=35mm; **04**=40mm; **45**=45mm; **05**=50mm; **06**=60mm; **07**=70mm; **08**=80mm; **09**=92mm; **12**=120mm; **17**=172mm
AC Frame size: **825**=80x80x25mm; **838**=80x80x38mm; **925**=92x92x25mm; **125**=120x120x25mm; **128**=120x120x38mm; **178**=172x150x38mm; **175**=172x150x150mm; **172**=172x50mm

AD=Adda Brushless DC fan; **AB**=Adda Brushless DC Blower; **AP**=Adda Brushless Chip cooler **AQ**=Adda Brushless waterproof fan; **AW**=Adda CPU cooler; **AA**=Adda Brushless AC fan

Ball Bearing Type

(T) = wire is at 12 o'clock position

For quantities 100 and up, call for quote.

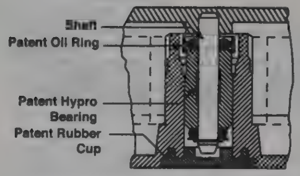
MOUSER STOCK NO.	ADDA Part Number GL = Low Noise	Dim. (mm) L x W	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each			
								1	10	25	50
664-D2006LB-12VLF	AD2012LB-K70(S)-LF	20x6	12	0.72	10500	0.6	19.5	17.08	16.71	15.97	14.85
664-D2506MB-12VLF	AD0212MB-K50(S)-LF	25x6	12	0.84	12000	2.2	26.0	18.95	18.49	17.66	16.45
664-D2510LB-5VLF	AD0205LB-G50GL-LF	25x10	5	0.50	8000	1.8	15.6	16.18	15.33	14.48	14.06
664-D3010LB-12VLF	AD0312LB-G50-LF	30x10	12	0.72	8000	2.1	20.2	14.95	14.30	13.65	13.00
664-D3010DB-12VLF	AD0312DB-G50GL-LF	30x10	12	0.60	6000	2.5	16.0	14.95	14.30	13.65	13.00
664-AD0312HBG50(S)LF	AD0312HB-G50(S)-LF	30x10	12	1.32	10500	4.2	30.7	14.95	14.30	13.65	13.00
664-D3506LB-12VLF	AD3512LB-K70(S)-LF	35x6	12	0.60	6500	3.5	19.0	17.32	16.93	16.17	14.95
664-D4010MB12V-LF	AD0412MB-G70-LF	40x10	12	0.96	4800	5.7	20.0	11.26	11.02	10.79	10.32
664-D4010HB-12VLF	AD0412HB-G70-LF	40x10	12	1.20	6000	6.7	25.0	11.26	11.02	10.79	10.32
664-D4010LB-12VLF	AD0412LB-G70(T)-LF	40x10	12	.84	4200	4.7	14.0	11.26	11.02	10.79	10.32
664-D4015HB-12VLF	AD0412HB-D50-LF	40x15	12	1.44	8000	9.2	39.3	10.93	10.41	9.89	9.37
664-AD0412HB-D56LF	AD0412HB-D56-LF	40x15	12	1.44	8000	8.53	39.3	17.48	16.72	15.20	14.06
664-D4020HB-5VLF	AD0405HB-C50-LF	40x20	5	1.45	7800	9.9	31.9	13.07	12.45	11.83	11.20
664-D4020MB-12VLF	AD0412MB-C50-LF	40x20	12	0.96	6900	8.5	28.5	10.93	9.89	8.85	8.59
664-D0424HB-C50-LF	AD0424HB-C50-LF	40x20	12	1.20	7800	10.1	31.9	10.93	9.89	8.85	8.59
664-AD0412HB-C56LF	AD0412HB-C56-LF	40x20	12	1.20	7800	10.1	31.9	13.23	12.65	12.08	11.50
664-AD0424HX-C50-LF	AD0424HX-C50-LF	40x20	24	2.16	7800	10.1	31.9	13.34	12.76	12.18	11.60
664-D4510HB-5VLF	AD4505HB-G70-LF	45x10	5	1.00	5500	9.1	28.6	11.99	10.85	9.71	9.42
664-D5210MB-5VLF	AD0505MB-G70-LF	50x10	5	0.90	4300	9.0	24.0	12.67	12.12	11.02	10.47
664-AD0512HB-G70LF	AD0512HB-G70-LF	50x10	12	1.08	5000	11.8	26.0	11.27	10.78	10.29	9.80
664-D5215HB1-12VLF	AD5012HB-D71-LF	50x15	12	1.20	4600	12.0	28.7	13.77	12.86	11.94	11.02
664-D5215HB1-24VLF	AD5024HB-D71-LF	50x15	24	1.92	4600	12.0	28.7	14.28	13.77	13.26	10.20
664-D6010HB-G70LF	AD0612HB-G70-LF	60x10	12	1.68	4200	16.6	32.8	13.14	12.86	12.57	11.43
664-D6015HB1-5VLF	AD0605HB-D71GL-LF	60x15	5	1.85	4500	15.82	32.4	16.18	15.41	14.64	13.87
664-D6015HB1-12V-LF	AD0612HB-D71GL-LF	60x15	12	1.56	4500	15.82	32.4	11.70	11.36	11.03	10.69
664-D6020HB1-24LF	AD0624HB-C71GL-LF	60x20	24	2.16	4500	16.31	29.7	10.91	10.37	9.83	9.28
664-AD0605LB-A72GLLF	AD0605LB-A72GL-LF	60x25	5	1.10	2500	13.2	16.1	14.95	14.30	13.65	13.00
664-D6025MB-12VLF	AD0612MB-A70GL-LF	60x25	12	1.68	3500	18.0	24.0	11.02	9.92	9.64	9.09
664-D6025HB-12VLF	AD0612HB-A70GL-LF	60x25	12	2.76	4500	23.98	32.3	11.02	9.92	9.64	9.09
664-D6025UB1-12VLF	AD0612UB-A71GL-LF	60x25	12	3.24	5300	28.3	37.0	11.44	10.84	10.23	9.63
664-D6025HB-24VLF	AD0624HB-A70GL-LF	60x25	24	3.60	4500	23.98	32.3	11.44	10.84	10.23	9.63
664-D8015HB1-24VLF	AD0824HB-D71-LF	80x15	24	3.12	3200	32.0	33.6	13.99	13.30	12.60	11.90
664-D8020HB-12VLF	AD0812HB-C70-LF	80x20	12	2.88	3100	29.08	32.4	10.04	9.54	9.03	8.54
664-D8025LB-12VLF	AD0812LB-A70GL-LF	80x25	12	1.44	2100	28.1	22.5	11.15	8.73	8.48	7.99
664-D8025MB-12VLF	AD0812MB-A70GL-LF	80x25	12	1.80	2500	33.5	28.3	11.15	8.73	8.48	7.99
664-D8025HB-12VLF	AD0812HB-A70GL-LF	80x25	12	3.00	3000	40.8	34.4	11.15	8.73	8.48	7.99
664-AD0812LB-A76LF	AD0812LB-A76GL-LF	80x25	12	1.44	2030	26.2	22.5	11.15	8.73	8.48	7.99
664-AD0812MB-A76LF	AD0812MB-A76GL-LF	80x25	12	1.80	2440	31.4	28.3	11.15	8.73	8.48	7.99
664-D8025LB-24V-LF	AD0824LB-A70GL-LF	80x25	24	2.16	2100	26.2	22.5	12.32	9.64	9.38	8.84
664-D8025HB-24LF	AD0824HB-A70GL-LF	80x25	24	3.84	3100	38.99	35.0	12.32	9.64	9.38	8.84
664-D9225LB-12VLF	AD0912LB-A70GL-LF	92x25	12	1.56	2050	34.75	25.0	12.50	11.25	11.01	10.01
664-D9225HB-12VLF	AD0912HB-A70GL-LF	92x25	12	3.00	2900	49.3	35.0	12.50	11.25	11.01	10.01
664-D9225MB-24VLF	AD0924MB-A70GL-LF	92x25	24	2.88	2400	41.49	32.7	13.77	12.40	12.12	11.02
664-D9225HB-24LF	AD0924HB-A70GL-LF	92x25	24	3.60	2900	49.3	35.0	13.77	12.40	12.12	11.02
664-D12025LB1-12VLF	AD1212LB-A71GL-LF	120x25	12	2.88	1800	72.0	34.4	17.48	16.72	15.20	14.06
664-D12025HB1-12VLF	AD1212HB-A71GL-LF	120x25	12	4.44	2200	88.7	39.1	17.48	16.72	15.20	14.06
664-D12025HB-12VLF	AD1212HB-Y53-LF	120x32	12	4.80	2750	108.00	43.3	24.00	20.00	17.00	14.00
664-AD1212HB-F12VLF	AD1212HB-F51-LF	120x38	12	6.00	2800	104.80	42.8	24.00	20.00	17.00	14.00
664-D12038MB1-12VLF	AD1212MB-F51-LF	120x38	12	4.20	2540	94.0	41.0	22.53	21.55	19.59	18.12
664-D12038HB1-24LF	AD1224HB-F51-LF	120x38	24	7.68	2800	104.8	42.8	23.70	22.67	20.61	19.06
664-AD1224UBF52-LF	AD1224UB-F52-LF	120x38	24	9.60	3200	122	48	16.86	14.66	12.83	11.73
664-D12038HB1-48VLF	AD1248HB-F51-LF	120x38	48	9.60	2800	104.8	42.8	24.87	23.79	21.63	20.01

Sleeve Bearing Type

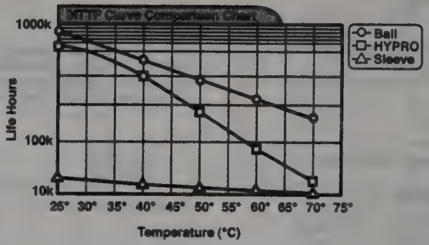
For quantities 100 and up, call for quote.

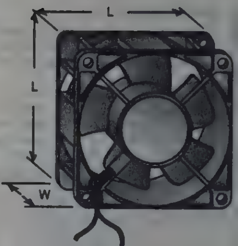
664-D4010MS-12VLF	AD0412MS-G70-LF	40x10	12	0.96	4200	5.7	20.0	14.25	11.40	9.99	8.55
664-D5210MS12V-LF	AD0512MS-G70-LF	50x10	12	0.96	3300	8.5	24.9	6.34	6.06	5.79	5.51
664-D6020LS-12VLF	AD0612LS-C70GL-LF	60x20	12	0.96	3500	13.3	21.6	7.84	7.57	7.30	6.76
664-D6020MS-12VLF	AD0612MS-C70GL-LF	60x20	12	1.56	3900	14.5	25.7	7.84	7.57	7.30	6.76
664-D6020HS-12VLF	AD0612HS-C70GL-LF	60x20	12	1.92	4500	16.4	29.7	7.84	7.57	7.30	6.76
664-D6025HS-12VLF	AD0612HS-A70GL-LF	60x25	12	2.76	4500	23.2	32.3	8.31	7.93	7.55	7.18
664-AD0812HS-D71LF	AD0812HS-D71-LF	80x15	12	2.28	3200	29.9	33.4	11.50	10.79	9.79	8.50
664-AD0812HS-D70LF	AD0812HS-D70-LF	80x15	12	2.16	3200	30.26	33.4	13.50	13.05	12.60	12.15
664-D8025MS-12VLF	AD0812MS-A70GL-LF	80x25	12	1.80	2440	31.4	28.3	7.16	5.60	5.45	5.14
664-D8025HS-12VLF	AD0812HS-A70GL-LF	80x25	12	3.00	3010	38.6	34.4	7.16	5.60	5.45	5.14
664-AD0824HS-A70GLLF	AD0824HS-A70GL-LF	80x25	24	3.84	3200	40.0	35.0	8.63	8.25	7.50	7.13
664-D9225MS-12VLF	AD0912MS-A70GL-LF	92x25	12	2.04	2350	43.0	31.0	8.16	7.35	7.19	6.53
664-D9225HS-12VLF	AD0912HS-A70GL-LF	92x25	12	3.00	2700	50.0	33.7	8.16	7.35	7.19	6.53

ADDA DC and AC Brushless Fans



Adda's patented hypro bearing (hyp) solves the friction problem normally found in sleeve axial bearings. Traditionally the thrust plate floats on a film of oil which rapidly depletes. Sintered alloy bearings draw oil from the cavities to extend the thrust float. Adda's hypro goes beyond this by actually developing a hypro wave in the I.D. bearing center where a recess oil reservoir is located. This center point actually runs cooler than the outer surface of the bearing and promotes cold to hot flow circulation. Adda's oil recirculation method and lubricant seal greatly extends the life of the fan.





Standard DC Fan

ADDA DC BRUSHLESS FANS WITH HYPRO BEARING

Features:

- ADDA's patented Hypro bearing uses oil recirculation to extend the life of the fan by more than 50,000 hours versus ball bearing fans.
- All products are tested to stringent 6-Sigma quality in addition to statistical process control.
- ADDA performs periodic audits on each product to ensure the best quality control.

Specifications:

- Frame housing and impeller: Black PBT per UL94V-0, glass-filled
- Operating temperature: -10°C ~ 70°C
- Lead wire termination

RoHS Compliant

GL=Low Noise

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Dimensions: mm (L x W)	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each			
								1	10	25	50
664-D2006LX-5VLF	AD2005LX-K70-LF	20x6	5	0.50	10500	0.60	19.5	17.83	17.44	16.67	15.50
664-D2006LX-12VLF	AD2012LX-K70-LF	20x6	12	0.72	10500	0.60	19.5	15.48	15.15	14.47	13.46
664-D2005LX-5VLF	AD2005LX-G70-LF	20x10	5	0.40	9000	0.60	20.0	17.83	17.44	16.67	15.50
664-D2010LX-12VLF	AD2012LX-G70-LF	20x10	12	0.72	9000	0.60	20.0	14.14	13.47	12.79	12.49
664-D2506LX-12VLF	AD0212LX-K50-LF	25x6	12	0.72	9000	1.66	20.5	15.48	15.15	14.47	13.46
664-D2510MX-5VLF	AD0205MX-G50GL-LF	25x10	5	0.60	10000	2.20	23.1	17.83	17.44	16.67	15.50
664-D2510LX-12VLF	AD0212LX-G50-LF	25x10	12	0.84	8000	1.80	15.6	15.48	15.01	14.47	13.46
664-D3006LX-5V-LF	AD0305LX-K70-LF	30x6	5	0.45	7500	2.55	20.0	15.05	14.64	14.14	12.94
664-D3006LX-12VLF	AD0312LX-K70-LF	30x6	12	0.72	7500	2.55	20.0	12.50	11.99	11.50	10.75
664-D3010LX-5VLF	AD0305LX-G50-LF	30x10	5	0.60	8000	3.21	20.2	14.55	14.10	13.60	12.65
664-D3010MX-5VLF	AD0305MX-G50-LF	30x10	5	0.65	9000	3.78	28.0	14.55	14.10	13.60	12.65
664-D4006HX-5VLF	AD0405HX-K90-LF	40x6	5	0.60	6300	5.90	27.0	10.87	10.41	9.93	9.46
664-D4006MX12V-LF	AD0412MX-K90-LF	40x6	12	0.96	5500	5.16	23.8	8.58	8.21	7.83	7.46
664-D04010MX-5VLF	AD0405MX-G70-LF	40x10	5	0.55	4800	5.70	20.0	11.26	11.02	10.79	10.32
664-D4010HX-5VLF	AD0405HX-G70-LF	40x10	5	0.95	6000	6.70	25.0	11.26	11.02	10.79	10.32
664-D4010MX-12VLF	AD0412MX-G70-LF	40x10	12	0.96	4800	5.70	20.0	8.82	8.63	8.45	8.08
664-D4010HX-12VLF	AD0412HX-G70-LF	40x10	12	1.20	6000	6.70	25.0	8.82	8.63	8.45	8.08
664-D4010HX-24VLF	AD0424HX-G70-LF	40x10	24	2.16	6000	6.80	25.0	11.26	11.02	10.79	10.32
664-D4020MX-5VLF	AD0405MX-C50-LF	40x20	5	0.80	6300	7.80	26.3	10.71	9.69	8.67	8.42
664-D4506MX-5VLF	AD4505MX-K90-LF	45x6	5	0.60	5000	7.10	25.5	11.61	11.36	11.11	10.10
664-D4505HX-5VLF	AD4505HX-K90-LF	45x6	5	0.70	6000	9.20	32.6	13.11	12.54	11.97	11.40
664-D4510HX-12VLF	AD4512HX-G70-LF	45x10	12	1.08	5000	8.30	26.1	8.57	7.76	6.94	6.74
664-D5215HX1-12VLF	AD0512HX-D71-LF	52x15	12	1.20	4600	12.00	28.7	10.40	9.71	9.02	8.32
664-AD0605MX-D71LF	AD0605MX-D71GL-LF	60x15	5	1.32	3900	14.08	31.2	15.29	14.63	13.97	13.30
664-D6015HX1-12VLF	AD0612HX-D71GL-LF	60x15	12	1.56	4500	15.82	33.4	11.61	11.36	10.56	10.01
664-D6020MX-12VLF	AD0612MX-C70GL-LF	60x20	12	1.56	3900	13.72	26.4	9.62	9.29	8.96	8.29
664-D6020HX-12VLF	AD0612HX-C70GL-LF	60x20	12	1.92	4500	16.31	31.0	9.62	9.29	8.96	8.29
664-D6020HX-24VLF	AD0624HX-C70GL-LF	60x20	24	2.16	4500	16.31	31.0	11.09	10.71	10.33	9.57
664-D6025MX-12VLF	AD0612MX-A70GL-LF	60x25	12	1.68	3500	18.00	27.1	10.09	9.87	9.65	8.77
664-D6025HX-24LF	AD0624HX-A70GL-LF	60x25	24	3.60	4500	23.98	33.9	11.26	11.02	10.78	9.80
664-AD0805MX-D71-LF	AD0805MX-D71-LF	80x15	5	1.20	2440	22.4	26.0	14.86	14.21	13.57	12.92
664-D8015MX1-12VLF	AD0812MX-D71-LF	80x15	12	1.80	2440	22.4	26.0	10.73	10.20	9.66	9.12
664-D8015HX1-12VLF	AD0812HX-D71-LF	80x15	12	2.28	3200	29.90	33.4	10.73	10.20	9.66	9.12
664-D8025MX-12VLF	AD0812MX-A70GL-LF	80x25	12	1.80	2500	30.87	28.3	8.57	6.71	6.52	6.15
664-D8025HX-12VLF	AD0812HX-A70GL-LF	80x25	12	3.00	3100	38.99	34.4	8.57	6.71	6.52	6.15
664-D8025MX-24LF	AD0824MX-A70GL-LF	80x25	24	2.40	2500	30.87	28.3	9.74	7.62	7.41	6.99
664-D9225HX-12VLF	AD0912HX-A70GL-LF	92x25	12	3.00	2900	49.3	35.0	8.16	7.35	7.19	6.98
664-D9225HX2-24VLF	AD0924HX-A72GL-LF	92x25	24	3.60	2700	50.0	33.7	11.04	10.56	10.08	9.36
664-D9225MX-24VLF	AD0924MX-A70GL-LF	92x25	24	2.88	2400	41.49	31.0	10.97	9.87	9.65	8.78
664-D12025HX1-12VLF	AD1212HX-A71GL-LF	120x25	12	4.44	2200	88.11	39.1	14.92	14.25	12.96	11.93

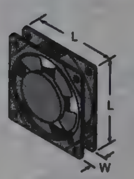
ADDA AC BRUSHLESS FANS

Features:

- All products are tested to stringent 6-Sigma quality in addition to statistical process control.
- ADDA also performs periodic audits on each product to ensure the best quality control.

Specifications:

- Frame: aluminum with black PBT (UL94V-0) glass-filled impeller
- Operating temperature: -10°C ~ -70°C
- Termination: "-AT" suffix - terminals
  "-AW" suffix - lead wires



Standard AC Fan

RoHS Compliant

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Dimensions: mm (L x W)	VAC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each			
								1	10	25	50
Hypro Bearing											
664-A8038MXT-230LF	AA8382MX-AT-LF	80x38	230	6.8	2300	24.3	25.3	12.24	11.63	11.02	10.71
Ball Bearing											
664-A8038MBT-110LF	AA8381MB-AT-LF	80x38	115	5.42	2300	24.3	25.3	14.08	13.38	12.67	12.32
664-AA8381HB-ATLF	AA8381HB-AT-LF	80x38	115	8.98	2300	24.0	25.3	14.08	13.38	12.67	12.32
664-AA8382HB-ATLF	AA8382HB-AT-LF	80x38	230	8.80	2300	24.0	25.3	14.08	13.38	12.67	12.32
664-A9225MBT-230LF	AA9252MB-AT-LF	92x25	230	16.10	1900	27.5	21.1	14.08	13.38	12.67	12.32
664-A12038MBT-110LF	AA1281MB-AT-LF	120x38	115	15.80	2500	80.0	40.0	14.08	13.38	12.67	12.32
664-AA1281HB-AWLF	AA1281HB-AW-LF	120x38	115	16.30	2400	92.6	43.5	14.08	13.38	12.67	12.32
664-A12038HBT-110LF	AA1281HB-AT-LF	120x38	115	16.30	2600	86.3	42.2	14.08	13.38	12.67	12.32
664-A12038UBT-110LF	AA1281UB-AT-LF	120x38	115	28.66	2500	97.0	46.4	14.08	13.38	12.67	12.32
664-A12038UBW-110-LF	AA1281UB-AW-LF	120x38	115	25.82	2500	100.2	45.8	14.08	13.38	12.67	12.32
664-A12038HBT-230LF	AA1282HB-AT-LF	120x38	230	16.00	2600	86.3	42.2	14.08	13.38	12.67	12.32
664-AA1751HB-ATLF	AA1751HB-AT-LF	172x150x50	115	59.6	2700	194.6	52.3	31.17	29.81	28.46	27.10
664-AA1751HB-AWLF	AA1751HB-AW-LF	172x150x50	115	59.6	2700	194.6	52.3	31.17	29.81	28.46	27.10

ADDA DC Blowers and Chip Coolers

DC AND MINI BLOWERS

Specifications for DC Blowers:

- Lower start-up voltage and power consumption.
- Current automatically shut-down protection and restart function.
- Special pulse width modulation design option available.
- Patent back-incline blades design for high airflow efficiency with less noise.
- Excellent wind tunnel design with stable and reliable rotation.
- Lead wire termination

Specifications for Mini Blowers:

- High sensitivity, high torque.
- Patented blade design with higher static pressure and less noise.
- Lead wire termination

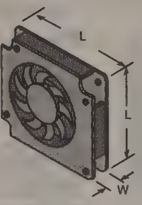
Applications for DC Blowers:

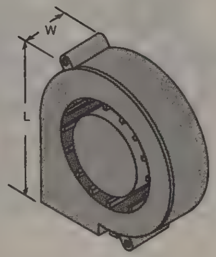
- PC and communication field.

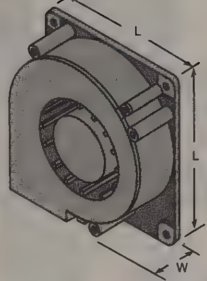
Applications for Mini Blowers:

- Specially designed for notebooks.

RoHS Compliant

A


B


C


Ball Bearing Mini Blowers

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Fig.	Dimensions: mm (L x W)	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AB3505LB-QB0LF	AB3505LB-QB0(S)-LF	A	35x7	5	0.50	5500	1.0	19.0	23.12	22.11	21.11	20.10

Hypro Bearing Blowers

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Fig.	Dimensions: mm (L x W)	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AD7512HXLF	AD7512HX-LF	B	75x30	12	2.88	3000	9.11	38.5	20.40	19.72	18.36	17.00
664-AB1212HX-Y01-LF	AB1212HX-Y01-LF	C	120x32	12	7.80	2500	31.40	51.0	22.50	21.75	20.25	18.75

Ball Bearing Blowers

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Fig.	Dimensions: mm (L x W)	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AD7512LB-LF	AD7512LB-LF	B	75x30	12	1.32	2200	6.5	29.0	22.65	21.90	20.39	18.88
664-AD7512MB-LF	AD7512MB-LF	B	75x30	12	1.80	2600	7.8	34.9	22.65	21.90	20.39	18.88
664-AD7512HBLF	AD7512HB-LF	B	75x30	12	2.88	3000	9.11	38.5	23.70	22.91	21.33	19.75
664-AD7524LB-LF	AD7524LB-LF	B	75x30	24	1.92	2200	6.5	29.0	25.20	24.36	22.68	21.00
664-AD7524MB-LF	AD7524MB-LF	B	75x30	24	3.36	2600	7.8	34.9	25.20	24.36	22.68	21.00
664-AD7524HB-LF	AD7524HB-LF	B	75x30	24	3.84	3000	9.11	38.5	25.20	24.36	22.68	21.00
664-AB2512LB-Y01-LF	AB1212LB-Y01-LF	C	120x32	12	1.80	1200	13.64	34.3	26.85	25.96	24.17	22.38
664-AB1212HB-Y01-LF	AB1212HB-Y01-LF	C	120x32	12	7.80	2500	25.2	51.0	26.85	25.96	24.17	22.38
664-AB1212MB-Y01-LF	AB1212MB-Y01-LF	C	120x32	12	7.20	2300	28.6	51.1	20.58	19.69	18.80	17.90
664-AB1224MB-Y01LF	AB1224MB-Y01-LF	C	120x32	24	9.60	2300	28.6	51.1	28.35	27.41	25.52	23.63
664-AB1224HB-Y01LF	AB1224HB-Y01-LF	C	120x32	24	10.32	2500	31.4	51.0	28.35	27.41	25.52	23.63

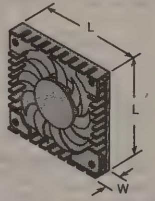
CHIP COOLERS

Specifications:

- Optimum aerodynamic design.
- Lower thermal resistance, higher dissipating efficiency.
- Slim profile applications in small space.
- Easier installation with patented clips

Applications:

- Designed to dissipate the heat of a VGA chip or other small heat sources.
- Comes with 4 pin connector and thermal adhesive.



RoHS Compliant

Hypro Bearing

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Dimensions: mm (L x W)	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AP4505LX-J90LF	AP4505LX-J90-4P-TA-LF	45x8	5	0.35	4500	4.2	19.5	21.75	21.03	19.58	18.13
664-AP4505MX-J90-LF	AP4505MX-J90-4P-TA-LF	45x8	5	0.45	5500	5.2	23.8	21.75	21.03	19.58	18.13
664-AP4505HX-J90LF	AP4505HX-J90-4P-TA-LF	45x8	5	0.60	6200	6.0	30.0	21.75	21.03	19.58	18.13
664-AP4512MX-J90LF	AP4512MX-J90-4P-TA-LF	45x8	12	0.96	5500	5.2	23.8	18.75	18.13	16.88	15.63
664-AP4512HX-J90LF	AP4512HX-J90-4P-TA-LF	45x8	12	0.96	6200	6.0	30.0	18.75	18.13	16.88	15.63
664-AP4505MX-G90LF	AP4505MX-G90-4P-TA-LF	45x10	5	0.45	5800	5.5	25.0	19.95	19.29	17.96	16.63
664-AP4512MX-G90-LF	AP4512MX-G90-4P-TA-LF	45x8	12	0.72	5800	5.5	25.0	12.50	11.25	10.00	8.38
664-AP0505HX-J90LF	AP0505HX-J90-4P-TA-LF	50x8	5	0.70	6300	9.2	32.6	20.85	20.16	18.77	17.38
664-AP0512LX-J90LF	AP0512LX-J90-4P-TA-LF	50x8	12	0.96	4300	6.2	23.0	17.85	17.26	16.07	14.88
664-AP0512MX-J90LF	AP0512MX-J90-4P-TA-LF	50x8	12	1.08	5000	7.1	25.5	17.85	17.26	16.07	14.88
664-AP0512HX-J90LF	AP0512HX-J90-4P-TA-LF	50x8	12	1.20	6300	9.2	32.6	17.85	17.26	16.07	14.88

Hypro Bearing With 3rd Wire Speed Sensor (Tachometer)

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Dimensions: mm (L x W)	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AP4505MX-G96LF	AP4505MX-G96-4P-TA-LF	45x10	5	0.45	5800	5.5	25.0	21.30	20.59	19.17	17.75

One Ball, One Sleeve

For quantities 100 and up, call for quote.

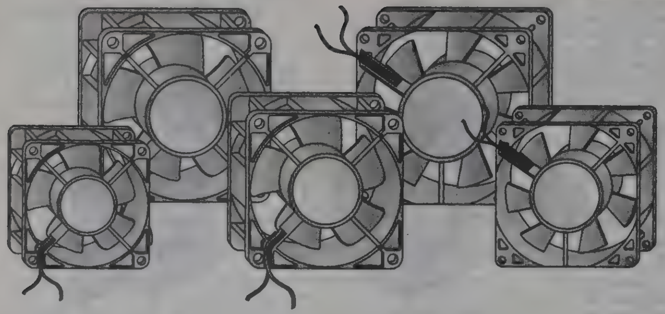
MOUSER STOCK NO.	ADDA Part Number	Dimensions: mm (L x W)	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AP0512HB-J90(S)LF	AP0512HB-J90(S)-4P-TA-LF	50x8	12	1.20	6600	9.5	33.0	18.60	17.98	16.74	15.50

One Ball, One Sleeve With 3rd Wire Speed Sensor (Tachometer)

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	ADDA Part Number	Dimensions: mm (L x W)	VDC	Power (W)	Speed (RPM)	Air Flow (CFM)	Noise (dB-A)	Price Each 1	10	25	50
664-AP0512HB-J96(S)LF	AP0512HB-J96(S)-4P-TA-LF	50x8	12	1.20	6600	9.5	33.0	18.60	17.98	16.74	15.50

Tubeaxial Fans and Accessories



AC TUBEAXIAL FANS

Construction:
- Die-cast aluminum housing
- Shaded pole motor
- Impedance protected
- Metal impeller

Operating Temperature:
- Ball bearing: -30°C to +75°C
- Sleeve bearing: -10°C to +70°C

80 x 80 x 38mm

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (AC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-3E-115B-20	115	12" Leads	Ball	110	9	21	26	15.15	14.54	13.94
433-3E-115B-25	115	12" Leads	Ball	120	9	26	31	15.15	14.54	13.94
433-3E-115B	115	12" Leads	Ball	130	10	32	34	15.15	14.54	13.94
433-3E-115S	115	12" Leads	Sleeve	130	10	32	34	12.25	11.76	11.27
433-3E-230B	230	12" Leads	Ball	75	12	32	34	15.15	14.54	13.94

92 x 92 x 25mm

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (AC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-9P-115HB	115	Fastons	Ball	140	14	34	41	12.50	12.00	11.50
433-9P-230HB	230	Fastons	Ball	70	14	34	41	13.00	12.50	12.00

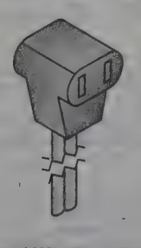
119 x 119 x 38mm

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (AC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-4E-115B-17	115	12" Leads	Ball	200	19	55	35	15.15	14.54	13.94
433-4E-115B-25	115	12" Leads	Ball	230	21	78	42	15.15	14.54	13.94
433-4E-115B-L	115	12" Leads	Ball	240	22	105	50	15.15	14.54	13.94
433-4E-115S	115	12" Leads	Sleeve	240	22	105	50	12.25	11.76	11.27
433-4E-115B-17F	115	Fastons	Ball	200	19	55	35	15.15	14.54	13.94
433-4E-115B-21F	115	Fastons	Ball	220	20	65	38	15.15	14.54	13.94
433-4E-115B-25F	115	Fastons	Ball	230	21	78	42	15.15	14.54	13.94
433-4E-230B	230	Fastons	Ball	130	21	96	50	15.15	14.54	13.94

Qualtek ELECTRONICS CORPORATION

FAN POWER CORDS



Can be used with all AC fans using .110" x .020" faston standard terminals with .3125" spacing. Temperature rating: 105°C (max).

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Type	Length (in.)	Price Each			
				1	25	50	100
562-07199-12	07199-12	T-Plug	12	.97	.86	.84	.76
562-07199-24	07199-24	T-Plug	24	1.09	.98	.91	.83
562-07199-36	07199-36	T-Plug	36	1.28	1.16	1.03	.96
562-07199-72	07199-72	T-Plug	72	1.84	1.66	1.48	1.37

DC BRUSHLESS FANS

Construction:
- Glass fiber reinforced plastic
- Impeller and housing PBT are UL 94V-0 rated

Insulation Resistance:
- 10mΩ min. / 500VDC between frame and terminal

Dielectric Strength:
- 5mA max. / 500VAC 60Hz for 1 minute between frame and terminal

Operating Temperature:
- Ball bearing: -30°C to +75°C
- Sleeve bearing: -10°C to +70°C

40 x 40 x 10mm

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (DC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-BP401012H	12	12" Leads	Ball	80	0.96	7.70	29	8.00	7.50	7.00
433-SP401012H	12	12" Leads	Sleeve	80	0.96	7.70	29	3.95	3.65	3.35

40 x 40 x 20mm

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (DC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-BP402005H	5	12" Leads	Ball	250	1.25	7.09	31	8.00	7.50	7.00
433-BP402012M	12	12" Leads	Ball	90	1.08	7.09	27	8.00	7.50	7.00
433-SP402012M	12	12" Leads	Sleeve	90	1.08	7.09	27	3.95	3.65	3.35
433-BP402012H	12	12" Leads	Ball	100	1.2	8.53	31	8.00	7.50	7.00
433-BP402024H	24	12" Leads	Ball	90	2.16	8.53	31	8.00	7.50	7.00
433-SP402024H	24	12" Leads	Sleeve	90	2.16	8.53	31	3.95	3.65	3.35

50 x 50 x 10mm

RoHS Compliant

For quantities of 50 and up, call for quote.

433-BP501012H	12	12" Leads	Ball	160	1.92	12.21	32	8.00	7.50	7.00
433-SP501012H	12	12" Leads	Sleeve	160	1.92	12.21	32	3.95	3.65	3.35

60 x 60 x 15mm

RoHS Compliant

For quantities of 50 and up, call for quote.

433-BP601512M	12	12" Leads	Ball	160	1.92	20.22	30.3	8.00	7.50	7.00
433-BP601512H	12	12" Leads	Ball	180	2.16	23.40	35.3	8.00	7.50	7.00

60 x 60 x 25mm

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (DC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-BP602512L	12	12" Leads	Ball	90	1.08	12.80	23	8.00	7.50	7.00
433-BP602512M	12	12" Leads	Ball	110	1.32	16.70	25	8.00	7.50	7.00
433-BP602512H	12	12" Leads	Ball	130	1.56	19.50	30	8.00	7.50	7.00
433-BP602524L	24	12" Leads	Ball	80	1.92	12.80	23	8.00	7.50	7.00
433-BP602524M	24	12" Leads	Ball	100	2.4	16.70	25	8.00	7.50	7.00
433-BP602524H	24	12" Leads	Ball	120	2.88	19.50	30	8.00	7.50	7.00

80 x 80 x 25mm

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (DC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-BP802512L	12	12" Leads	Ball	120	1.44	27.8	25	8.00	7.50	7.00
433-BP802512M	12	12" Leads	Ball	160	1.92	33.0	29	8.00	7.50	7.00
433-SP802512M	12	12" Leads	Sleeve	160	1.92	33.0	29	3.95	3.65	3.35
433-BP802512H	12	12" Leads	Ball	200	2.4	38.0	34	8.00	7.50	7.00
433-BP802524L	24	12" Leads	Ball	90	2.16	27.8	25	8.00	7.50	7.00
433-BP802524M	24	12" Leads	Ball	110	2.64	33.0	29	8.00	7.50	7.00
433-BP802524H	24	12" Leads	Ball	130	3.12	38.0	34	8.00	7.50	7.00

92 x 92 x 25mm

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (DC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-BP922512L	12	12" Leads	Ball	160	1.92	41.5	28	8.50	8.00	7.50
433-BP922512M	12	12" Leads	Ball	200	2.4	50.5	34	8.50	8.00	7.50
433-BP922512H	12	12" Leads	Ball	320	3.84	58.7	38	8.50	8.00	7.50
433-BP922524H	24	12" Leads	Ball	180	4.32	58.7	38	8.50	8.00	7.50

120 x 120 x 25mm

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Volts (DC)	Termination	Bearing	Current (mA)	Power (W)	Air Flow (CFM)	Noise (dBa)	Price Each		
								1	10	25
433-BP1202512L	12	12" Leads	Ball	140	1.68	61.4	38	12.50	11.50	10.50
433-BP1202512M	12	12" Leads	Ball	250	3.0	74.5	44	12.50	11.50	10.50
433-BP1202512H	12	12" Leads	Ball	360	4.32	88.3	48	12.50	11.50	10.50
433-BP1202524M	24	12" Leads	Ball	180	4.32	74.5	44	12.50	11.50	10.50
433-BP1202524H	24	12" Leads	Ball	240	5.76	88.3	48	12.50	11.50	10.50

COMAIR ROTRON DC Fans

COMAIR ROTRON

CARAVEL® DC SERIES

- Ball Bearing
- Operating Temp: -30°C to 70°C
- 12" 22 AWG UL leadwires
- Feathered Edge™ for Lower Noise

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031573	A	254 X 88.9	24	550	29	1650	49.1	Leadwires	103.54	94.67	89.96
707	031767	A	254 X 88.9	48	550	30	1650	49.1	Leadwires	106.00	96.93	92.10

FALCON® DC SERIES

- Ball Bearing
- Electric Locked Rotor Protection
- Die-Cast Aluminum Housing
- Operating Temp.: -10°C to 70°C
- Polarity Protected

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031653	B	172 X 55	24	300	41.0	3400	57.1	Leadwires	112.03	101.96	93.56
707	031654	B	172 X 55	12	300	39.6	3430	57.1	Leadwires	118.37	108.18	100.95
707	031652	B	172 X 55	48	300	34.0	3250	57.1	Leadwires	110.11	100.69	95.75
707	039637	B	172 X 55	24	360	52.8	4200	63.2	Leadwires	131.42	113.40	105.26
707	039638	B	172 X 55	48	360	52.8	4200	63.2	Leadwires	158.17	143.93	132.08

GALAXY® DC SERIES

- High Reliability Ball Bearing
- 12" 22 AWG UL leadwires
- Feathered Edge™ for Lower Noise
- Operating Temp.: -10°C to 70°C

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031074	C	127 X 38	12	150	15.0	3250	53.6	Terminals	54.27	49.61	47.49
707	031075	C	127 X 38	24	150	15.0	3250	53.6	Terminals	57.03	52.14	49.91
707	031711	C	127 X 38	12	150	15.0	3200	53.6	Leadwires	53.56	48.74	45.07
707	039193	C	127 X 38	12	150	30.0	3950	59.4	Leadwires	55.66	50.65	46.84
707	031757	C	127 X 38	24	150	15.0	3200	53.6	Leadwires	57.76	52.57	48.60
707	039151	C	127 X 38	24	175	22.8	3800	57.2	Leadwires	63.00	57.33	53.00
707	039524	C	127 X 38	24	195	31.2	4100	59.8	Leadwires	75.20	68.44	63.27
707	031076	C	127 X 38	48	150	15.0	3250	53.6	Terminals	56.57	50.49	43.97
707	039285	C	127 X 38	48	175	21.6	3900	57.7	Leadwires	75.20	68.44	63.27

MAJOR® DC SERIES

- Ball Bearing
- Feathered Edge™ for Lower Noise
- Operating Temp.: -10°C to 70°C

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031089	D	172 X 51.0	12	235	27.1	3400	54.3	Terminals	82.45	75.40	62.98
707	031090	D	172 X 51.0	24	235	24.0	3425	54.3	Terminals	80.53	73.65	69.96
707	031091	D	172 X 51.0	48	235	22.0	3475	54.3	Terminals	80.53	73.65	69.96
707	031674	D	172 X 51.0	24	235	24.0	3425	54.3	Leadwires	81.38	74.07	68.46
707	039574	D	172 X 51.0	48	235	22.0	3475	54.3	Leadwires	81.38	74.07	68.46

MALTESE® DC SERIES

- Die-Cast Aluminum Housing
- Electric Locked Rotor Protection
- Polarity Protected
- Operating Temp.: -10°C to 70°C
- Solid State Brushless Electronic Commutation

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031856	E	172X150X55	12	300	39.6	3430	57.1	Leadwires	111.20	101.20	93.56
707	031843	E	172X150X55	24	300	41.0	3450	57.1	Leadwires	111.20	101.20	93.56
707	031841	E	172X150X55	48	300	35.0	3400	57.1	Leadwires	112.67	103.07	98.94

MUFFIN® DC SERIES

- High Reliability Ball Bearing
- Low Noise Level
- Operating Temp.: -10°C to 70°C

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	032489	F	120 X 32	12	102	7.9	3700	47.8	Leadwires	25.22	23.06	22.07
707	030572	F	120 X 32	24	102	5.5	3700	47.8	Leadwires	26.93	24.49	23.36
707	030573	F	120 X 32	48	102	8.4	3700	47.8	Leadwires	25.21	23.06	22.07
707	039388	F	120 X 32	12	118	12.0	4500	52.1	Leadwires	27.82	25.33	23.41
707	031618	F	120 X 32	24	118	10.6	4200	52.1	Leadwires	34.70	31.59	29.20
707	031792	F	120 X 32	48	118	10.6	4100	52.1	Leadwires	34.70	31.59	29.20

MUFFIN® XL DC SERIES

- Ball Bearing
- Operating Temp.: -10°C to 70°C
- Feathered Edge™ for Lower Noise
- Polypropylene Propeller

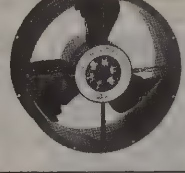
MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	028865	G	119.1 x 39.1	12	110	6.0	3330	50.0	Leadwires	48.72	44.55	42.66
707	028866	G	119.1 x 39.1	24	110	6.0	3100	50.0	Leadwires	48.72	44.55	42.66
707	028867	G	119.1 x 39.1	48	110	5.8	3100	50.0	Leadwires	48.72	44.55	42.66
707	032185	G	119.1 x 39.1	12	125	8.6	3380	55.5	Leadwires	49.88	45.40	41.96
707	032907	G	119.1 x 39.1	24	150	14.4	4350	57.0	Terminal	55.12	50.17	49.89

MUFFIN® XP DC SERIES

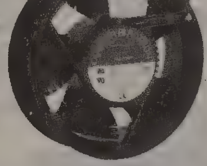
- Ball Bearing
- 12" 22 AWG UL leadwires
- Auto Reset Capability
- Operating Temp.: -10°C to 70°C

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	032526	H	120 X 88	24	110	7.0	2900	49.5	Leadwires	28.41	25.98	24.87
707	032525	H	120 X 38	12	110	7.0	2900	49.5	Leadwires	28.18	25.79	24.76
707	039164	H	120 X 38	12	127	11.0	3450	53.4	Leadwires	31.18	28.38	26.24
707	032527	H	120 X 38	48	110	7.4	2900	49.5	Leadwires	29.60	26.43	22.99

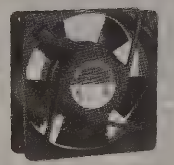
A



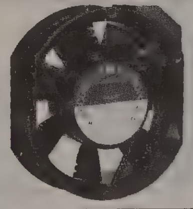
B



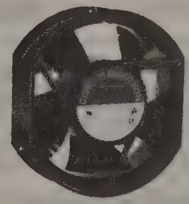
C



D



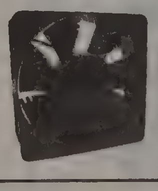
E



F

G

H



COMAIR ROTRON DC Fans

PATRIOT® DC SERIES

- Die Cast Aluminum Housing
- Operating Temp: -30°C to 70°C
- Polarity Protected
- Feathered Edge™ for Lower Noise
- Electronic Locked Rotor Protection
- 6.375" Mounting Hole Centers

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031085	A	172 X 51.0	48	235	22.0	3475	51.2	Terminals	74.47	68.10	65.19
707	032896	A	172 X 51.0	24	235	24.0	3425	51.2	Leadwires	75.18	68.42	63.25
707	031235	A	172 X 51.0	48	235	22.0	3475	51.2	Terminals	75.18	68.42	64.80

SPRITE® DC SERIES

- Ball Bearing
- Operating Temp: -30°C to 70°C
- Low Noise Level

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	028935	B	79.8 x 41.8	48	35	3	3500	47.6	Leadwires	33.63	30.73	29.43
707	028934	B	79.8 x 41.8	24	35	3	3500	47.6	Leadwires	41.72	37.97	35.10
707	030769	B	79.8 x 41.8	48	35	3	3500	47.6	Leadwires	49.14	44.72	41.34

SPRINT® DC SERIES

- Balll Bearing
- Operating Temp: -30°C to 70°C
- Polarity Protected
- 2.812" Mounting Hole Centers
- Electronic Locked Rotor Protection
- UL94V-0 Black Plastic Housings

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	030615	C	80 X 32	12	34	3.4	3400	40.9	Leadwires	29.02	26.42	24.41
707	030613	C	80 X 32	12	40	4.4	4200	44.2	Leadwires	29.30	26.67	24.65
707	039067	C	80 X 32	12	45	6.2	4700	51.5	Leadwires	28.88	26.29	24.30
707	030616	C	80 X 32	24	34	3.3	3440	40.9	Leadwires	29.02	26.42	25.09
707	030614	C	80 X 32	24	40	4.5	4200	44.2	Leadwires	21.86	19.90	19.20
707	032556	C	80 X 32	24	45	6.7	4700	51.5	Leadwires	28.36	25.81	23.87

TARZAN® DC SERIES

- Ball Bearing
- 12" 22 AWG Leadwires
- Features Auto Reset Thermal Protector
- Operating Temp: -30°C to 70°C

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031769	D	176 x 112	24	320	36	3250	63.4	Leadwires	113.84	104.08	98.90
707	032836	D	176 x 112	12	320	30	3200	63.4	Leadwires	149.00	135.75	125.50
707	031520	D	176 x 112	48	320	33.6	3275	63.4	Leadwires	116.00	105.50	90.04

WHISPER® XL DC SERIES

- Ball Bearing
- Feathered Edge™ for Lower Noise
- Impedance Protected

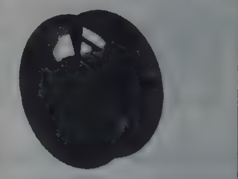
MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	030709	E	119.1 X 39.1	12	85	3.1	2475	41.4	Leadwires	48.82	44.44	41.08
707	030711	E	119.1 X 39.1	24	85	3.1	2475	41.4	Leadwires	48.82	44.44	42.09
707	030713	E	119.1 X 39.1	48	85	4.3	2475	41.4	Leadwires	61.42	55.90	51.67

FLIGHT II® DC SERIES

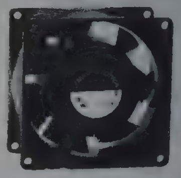
- High Chromium Stainless Steel Ball Bearing Construction
- Electronic Locked Rotor Protection
- UL94V-0 Reinforced Black PBT Plastic Propellers
- Polarity Protected
- Low Noise Level
- Operating Temp: -10°C to 70°C
- Brushless electronic commutation

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
Flight 60 Series												
707	031156	F	60 X 25	12	18	2.5	5000	33.9	Leadwires	24.36	22.28	21.33
707	031157	F	60 X 25	24	18	1.9	4927	33.9	Leadwires	24.36	22.28	21.33
707	031986	F	60 X 25	12	22	3.1	6200	41.3	Leadwires	31.00	28.20	26.06
707	031950	F	60 X 25	24	22	3.1	5800	41.3	Leadwires	30.98	28.20	26.06
707	031799	F	60 X 25	48	18	2.6	5000	33.9	Leadwires	24.68	22.47	20.76
707	032859	F	60 X 25	48	22	4.0	5930	41.3	Leadwires	30.98	28.20	26.06
Flight 80 Series												
707	031162	G	80 X 25	12	37	2	3574	36.2	Leadwires	24.79	22.67	21.70
707	031163	G	80 X 25	24	37	2	3628	36.2	Leadwires	24.79	22.67	21.70
707	031535	G	80 X 25	12	37	2	3574	36.2	Leadwires	28.36	25.81	23.87
707	031882	G	80 X 25	12	45	3	4100	40.8	Leadwires	27.36	25.85	25.31
707	031951	G	80 X 25	24	45	3.4	4250	40.8	Leadwires	30.98	28.20	26.06
707	031962	G	80 X 25	48	37	2.9	3700	36.2	Leadwires	25.20	22.94	21.21
707	032858	G	80 X 25	48	45	3.6	4200	40.8	Leadwires	30.98	28.20	26.06
Flight 90 Series												
707	031168	H	92 X 25	12	45	2.4	2784	38.1	Leadwires	27.14	24.81	23.75
707	031169	H	92 X 25	24	45	2.4	2860	38.1	Leadwires	26.39	24.13	23.09
707	031595	H	92 X 25	12	60	5	3982	40.2	Leadwires	36.46	33.18	30.68
707	031406	H	92 X 25	24	60	5.5	3750	48.6	Leadwires	27.20	24.75	24.10
707	031392	H	92 X 25	48	45	3.3	2850	38.1	Leadwires	33.48	30.47	28.17
707	039286	H	92 X 25	48	60	6.2	3700	48.6	Leadwires	30.98	28.20	26.06
Flight 120 Series												
707	031174	I	120 X 25	12	90	4.1	2924	42.9	Leadwires	27.13	24.81	23.75
707	031175	I	120 X 25	24	90	4	2940	42.9	Leadwires	25.94	23.72	22.71
707	039066	I	120 X 25	12	103	6	3400	47.6	Leadwires	28.56	25.99	24.03
707	039063	I	120 X 25	24	103	6.3	3500	47.6	Leadwires	27.52	25.05	23.16
707	031628	I	120 X 25	48	90	4.8	2950	42.9	Leadwires	25.42	23.13	21.39
707	039287	I	120 X 25	48	103	6.4	3500	47.6	Leadwires	28.56	25.99	24.03

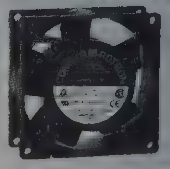
A



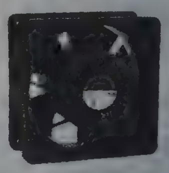
B



C



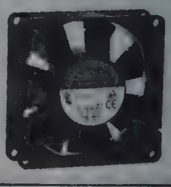
D



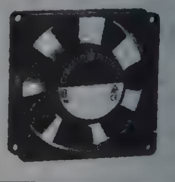
E

F

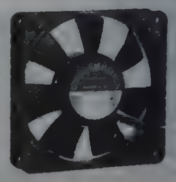
G



H



I



COMAIR ROTRON DC Fans

RoHS Compliant **This page of product is compliant.**

MIXTUS DC SERIES

- Ball Bearing
- Mixed Flow Fan w/ Tachometer
- 12" 22AWG UL Leadwires
- Operating Temperature: 10°C to 70°C

6.8" Model

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Comair Part No.	Fig.	Dimensions: mm (L x W) Round	Voltage (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	P.W.M. Programmable	Price Each		
											10	25	50
707-040719	040719	A	172 x 51	24V	390	96W	5050	69.1	Leadwires	-	254.40	228.96	216.24
707-040799	040799	A	172 x 51	24V	390	96W	5050	69.1	Leadwires	Yes	254.40	228.96	216.24
707-040720	040720	A	172 x 51	48V	390	96W	5050	69.1	Leadwires	-	254.40	228.96	216.24
707-041040	041040	A	172 x 51	48V	390	96W	5050	69.1	Leadwires	Yes	254.40	228.96	216.24
707-041058	041058	A	172 x 51	24V	311	49W	4040	64.3	Leadwires	-	254.40	228.96	216.24
707-041059	041059	A	172 x 51	24V	311	49W	4040	64.3	Leadwires	Yes	254.40	228.96	216.24
707-041074	041074	A	172 x 51	48V	311	49W	4040	64.3	Leadwires	-	254.40	228.96	216.24
707-041075	041075	A	172 x 51	48V	311	49W	4040	64.3	Leadwires	Yes	254.40	228.96	216.24
707-041076	041076	A	172 x 51	24V	250	25W	3232	59.4	Leadwires	-	254.40	228.96	216.24
707-041077	041077	A	172 x 51	24V	250	25W	3232	59.4	Leadwires	Yes	254.40	228.96	216.24
707-041078	041078	A	172 x 51	48V	250	25W	3232	59.4	Leadwires	-	254.40	228.96	216.24
707-041079	041079	A	172 x 51	48V	250	25W	3232	59.4	Leadwires	Yes	254.40	228.96	216.24

7.9" Model

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Comair Part No.	Fig.	Dimensions: mm (L x W) Round	Voltage (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	P.W.M. Programmable	Price Each		
											10	25	50
707-040951	040951	B	200 x 70	24V	515	96W	4500	64.7	Leadwires	-	254.40	228.96	216.24
707-041036	041036	B	200 x 70	24V	515	96W	4500	64.7	Leadwires	Yes	258.90	233.01	220.06
707-040952	040952	B	200 x 70	48V	515	96W	4500	64.7	Leadwires	-	254.40	228.96	216.24
707-041037	041037	B	200 x 70	48V	515	96W	4500	64.7	Leadwires	Yes	258.90	233.01	220.06
707-040949	040949	B	200 x 70	24V	330	25W	4500	55.0	Leadwires	-	252.00	226.80	214.20
707-041038	041038	B	200 x 70	24V	330	25W	4500	55.0	Leadwires	Yes	256.40	230.76	217.94
707-040950	040950	B	200 x 70	48V	330	25W	4500	55.0	Leadwires	-	252.00	226.80	214.20
707-041039	041039	B	200 x 70	48V	330	25W	4500	55.0	Leadwires	Yes	256.40	230.76	217.94

MAJOR XT DC SERIES

- Ball Bearing
- Brushless Tubeaxial Fan w/ Tachometer
- 12" 22AWG UL Leadwires
- Operating Temperature: 10°C to 70°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Comair Part No.	Fig.	Dimensions: mm (L x W) Round	Voltage (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	P.W.M. Programmable	Price Each		
											10	25	50
707-041041	041041	C	172 x 150 x 38	12V	552	40W	4846	63.1	Leadwires	-	76.40	68.76	64.94
707-041042	041042	C	173 x 150 x 38	12V	552	40W	4846	63.1	Leadwires	Yes	78.20	70.38	66.47
707-040413	040413	C	174 x 150 x 38	24V	552	40W	4846	63.1	Leadwires	-	76.40	68.76	64.94
707-040727	040727	C	175 x 150 x 38	24V	552	40W	4846	63.1	Leadwires	Yes	78.20	70.38	66.47
707-040958	040958	C	176 x 150 x 38	48V	552	40W	4846	63.1	Leadwires	-	76.40	68.76	64.94
707-040416	040416	C	177 x 150 x 38	48V	552	40W	4846	63.1	Leadwires	Yes	78.20	70.38	66.47

MAJOR DC SERIES

- Ball Bearing
- Brushless Tubeaxial Fan w/ Tachometer
- 12" 22AWG UL Leadwires
- Operating Temperature: 10°C to 70°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Comair Part No.	Fig.	Dimensions: mm (L x W) Round	Voltage (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	P.W.M. Programmable	Price Each		
											10	25	50
707-041044	041044	C	172 x 51 mm	24V	285	15W	4109	60.5	Leadwires	-	84.40	75.96	71.74
707-041045	041045	C	172 x 51 mm	24V	285	15W	4109	60.5	Leadwires	Yes	87.00	78.30	73.95
707-040419	040419	C	172 x 51 mm	24V	564	41W	4830	64.0	Leadwires	-	86.80	78.12	73.78
707-041049	041049	C	172 x 51 mm	24V	564	41W	4830	64.0	Leadwires	Yes	87.60	78.84	74.46
707-041050	041050	C	172 x 51 mm	48V	285	15W	4109	69.1	Leadwires	-	84.40	75.96	71.74
707-041051	041051	C	172 x 51 mm	48V	285	15W	4109	69.1	Leadwires	Yes	87.00	78.30	73.95
707-040959	040959	C	172 x 51 mm	48V	564	41W	4830	64.0	Leadwires	-	86.80	78.12	73.78
707-040422	040422	C	172 x 51 mm	48V	564	41W	4830	64.0	Leadwires	Yes	87.60	78.84	74.46

MUFFIN XT DC SERIES

- Ball Bearing
- Brushless Tubeaxial Fan w/ Tachometer
- 12" 22AWG UL Leadwires
- Operating Temperature: 10°C to 70°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Comair Part No.	Fig.	Dimensions: mm (L x W) Round	Voltage (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	P.W.M. Programmable	Price Each		
											10	25	50
707-040723	040723	D	120 x 39 mm	24V	210	38W	6300	65.0	Leadwires	-	50.60	45.54	43.01
707-040403	040403	D	120 x 39 mm	24V	210	38W	6300	65.0	Leadwires	Yes	52.00	46.80	44.20
707-040404	040404	D	120 x 39 mm	48V	210	38W	6300	65.0	Leadwires	-	50.60	45.54	43.01
707-040775	040775	D	120 x 39 mm	48V	210	38W	6300	65.0	Leadwires	Yes	52.00	46.80	44.20

GALAXY HIGH PERFORMANCE DC SERIES

- Ball Bearing
- Brushless Tubeaxial Fan w/ Tachometer
- 12" 22AWG UL Leadwires
- Operating Temperature: 10°C to 70°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Comair Part No.	Fig.	Dimensions: mm (L x W) Round	Voltage (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	P.W.M. Programmable	Price Each		
											10	25	50
707-040725	040725	E	127 x 38 mm	24V	240	34W	5170	65.0	Leadwires	-	69.00	62.10	58.65
707-040409	040409	E	127 x 38 mm	24V	240	34W	5170	65.0	Leadwires	Yes	71.00	63.90	60.35
707-040410	040410	E	127 x 38 mm	48V	240	34W	5170	65.0	Leadwires	-	69.00	62.10	58.65
707-040702	040702	E	127 x 38 mm	48V	240	34W	5170	65.0	Leadwires	Yes	71.00	63.90	60.35

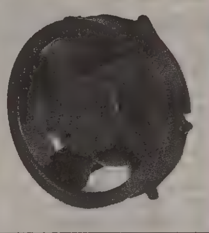
PATRIOT DC SERIES

- Ball Bearing
- Brushless Tubeaxial Fan w/ Tachometer
- 12" 22AWG UL Leadwires
- Operating Temperature: 10°C to 70°C

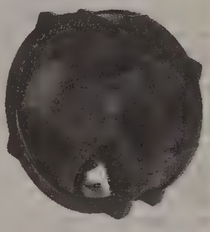
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Comair Part No.	Fig.	Dimensions: mm (L x W) Round	Voltage (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	P.W.M. Programmable	Price Each		
											10	25	50
707-041054	041054	F	172 x 51 mm	24V	285	15W	4109	60.5	Leadwires	-	84.40	75.96	71.74
707-041055	041055	F	172 x 51 mm	24V	285	15W	4109	60.5	Leadwires	Yes	87.00	78.30	73.95
707-040425	040425	F	172 x 51 mm	24V	564	41W	4830	64.0	Leadwires	-	86.80	78.12	73.78
707-040427	040427	F	172 x 51 mm	24V	564	41W	4830	64.0	Leadwires	Yes	87.60	78.84	74.46
707-041060	041060	F	172 x 51 mm	48V	285	15W	4109	60.5	Leadwires	-	84.40	75.96	71.74
707-041061	041061	F	172 x 51 mm	48V	285	15W	4109	60.5	Leadwires	Yes	87.00	78.30	73.95
707-040428	040428	F	172 x 51 mm	48V	564	41W	4830	64.0	Leadwires	-	86.80	78.12	73.78
707-041022	041022	F	172 x 51 mm	48V	564	41W	4830	64.0	Leadwires	Yes	87.60	78.84	74.46

A

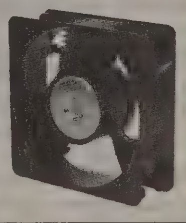


B



C

D



E

F

COMAIR ROTRON DC Fans and Blowers

GRYPHON DC SERIES FANS

- Ball Bearing
- Impedance Protected
- UL94V-0 Rated Black Thermoplastic Impeller and Housing
- Operating Temp: -10°C to 70°C
- Open Collector Tachometer Output

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	GDA4020-12BB	A	40 X 20	12	8.3	1.4	8000	30.9	Leadwires	7.48	6.81	6.51
707	GDA4020-24BB	A	40 X 20	24	8.3	1.68	8000	30.9	Leadwires	7.48	6.81	6.51
707	GDA8025-12BB	A	80 X 25	12	35	2	3000	30.8	Leadwires	8.84	8.05	7.70
707	GDA8025-24BB	A	80 X 25	24	35	3.6	3000	30.8	Leadwires	8.84	8.05	7.70
707	GDA9225-12BB	A	92 X 25	12	49	2.8	2800	33.0	Leadwires	14.28	12.99	12.00
707	GDA9225-24BB	A	92 X 25	24	49	5.3	2800	33.0	Leadwires	14.28	12.99	12.00
707	GDA1238-12BB	A	120 X 38	12	128	7.2	3000	43.5	Leadwires	20.12	18.31	16.93
707	GDA1238-24BB	A	120 X 38	24	128	14.4	3000	41.9	Leadwires	20.12	18.31	16.93
707	GDA1238-48BB	A	120 X 38	48	128	16.8	3000	40.8	Leadwires	21.29	19.37	13.26

ENVIRONMENTALLY COATED DC FANS

- Protection from harsher environments (ocean fog and sprays) and excessive shock and vibration
- Ball Bearing
- Operating Temp: -10°C to 70°C

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
FLIGHT 60 Series												
707	039258	B	60 X 25	24	18	1.9	5000	33.9	Leadwires	42.64	38.80	35.88
707	039975	B	60 X 25	24	22	3.1	5800	41.3	Leadwires	42.64	38.80	35.88
707	039268	B	60 X 25	48	18	2.6	5000	33.9	Leadwires	42.64	38.80	35.88
FLIGHT 80 Series												
707	039230	C	80 X 25	12	37	2.0	3574	36.2	Leadwires	42.52	38.69	35.78
707	039197	C	80 X 25	24	37	2.0	3628	36.2	Leadwires	42.52	38.69	35.78
707	039654	C	80 X 25	48	45	3.6	4200	40.8	Leadwires	42.52	38.69	35.78
MUFFIN XL Series												
707	039205	D	119.1 X 39.1	48	110	5.8	3100	50	Leadwires	66.42	60.45	57.42
PATRIOT Series												
707	039279	E	172 X 51.0	12	235	25.2	3400	51.2	Leadwires	106.82	97.21	89.86
707	032897	E	172 X 51.0	24	235	24.0	3425	51.2	Leadwires	106.82	97.21	89.86

5.3" AIRBOX DC BLOWERS

- Dependable Ball Bearing
- Automatic Reset Capability
- Brushless DC Design
- Operating Temp: -10°C to 70°C
- Electronic Locked Rotor Protection
- 12" Leadwires

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	039307	F	135 X 38	12	30	7.8	2075	46.6	Leadwires	56.60	51.51	47.62
707	039308	F	135 X 38	24	30	7.7	2075	46.6	Leadwires	56.60	51.51	47.62
707	039309	F	135 X 38	48	30	10.8	2200	46.6	Leadwires	56.60	51.51	47.62

BISCUIT® DC BLOWERS

- Ball Bearing
- Operating Temp: -10°C to 70°C
- 12" Leadwires

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	039220	G	120.7 X 31.0	24	30	15.8	3560	53.5	Leadwires	45.16	41.10	38.00
707	039239	G	120.7 X 31.0	48	30	13.5	3513	53.5	Leadwires	45.16	41.10	38.00

SPINNAKER DC BLOWERS

- Dependable Ball Bearing
- Automatic Reset Capability
- Brushless DC Design
- Operating Temp: -10°C to 70°C
- Electronic Locked Rotor Protection
- 12" Leadwires

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	032572	H	162 x 41	12	60	26.4	2550	57	Leadwires	79.28	72.15	66.70
707	032183	H	162 x 41	24	60	30.0	2500	57	Leadwires	78.41	71.70	68.63
707	032196	H	162 x 41	48	60	24.0	2500	57	Leadwires	92.30	84.00	77.66
707	040359	H	162 x 41	48	85	72	3850	66.3	Leadwires	119.08	108.37	100.18

VIKING DC BLOWERS

- Dependable Ball Bearing
- Automatic Reset Capability
- Brushless DC Design
- Operating Temp: -10°C to 70°C
- Electronic Locked Rotor Protection
- 12" Leadwires

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031047	I	127 X 41	12	33	16.0	3925	57.6	Leadwires	51.98	47.31	43.74
707	031048	I	127 X 41	24	33	19.2	4000	57.6	Leadwires	50.36	45.83	42.38
707	031049	I	127 X 41	48	33	17.3	4000	57.6	Leadwires	50.36	45.83	42.38
707	039715	I	127 X 41	48	40	28	5200	63.3	Leadwires	68.72	62.54	57.81

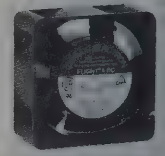
WHIFFET DC BLOWERS

- Dependable Ball Bearing
- Automatic Reset Capability
- Brushless DC Design
- Operating Temp: -10°C to 70°C
- Electronic Locked Rotor Protection

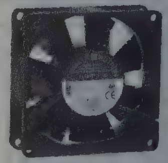
MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Termination	Price Each		
Mfr.	Mfr. Part No.									1	10	25
707	031101	J	80 X 32	12	15	5.0	4000	52.2	Leadwires	40.21	36.78	35.20
707	031102	J	80 X 32	24	15	4.8	4050	52.2	Leadwires	51.04	46.45	42.94

A

B



C

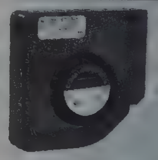


D

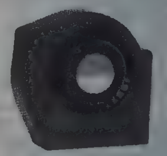
E

F

G

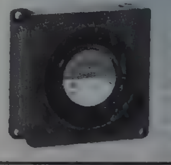


H



I

J



EBM-PAPST Tubeaxial AC Fans

RoHS Compliant This page of product is compliant.

4000N SERIES

- Metal housing and impeller
- Air intake over struts
- Clockwise rotation viewed from rotor
- Electrical connection w/ LZ120 plug & cord set or soldered

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage (VAC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	4600N	A	119 x 38mm	115	105.9	18	3100	50	60	Sintec	37.75	34.65	32.98	31.35
5912	4606N	A	119 x 38mm	115	105.9	18	3100	51	90	Ball	45.51	41.76	39.75	37.79
5912	4624N	A	119 x 38mm	24	105.9	18	3100	50	60	Sintec	50.73	47.66	46.19	43.87
5912	4650N	A	119 x 38mm	230	94.2	19	2650	46	55	Sintec	37.75	34.64	32.98	31.35

4000Z SERIES

- Metal housing and impeller
- Clockwise rotation viewed from rotor
- Electrical connection w/ LZ120 plug & cord set or soldered
- Air exhaust over struts

NEW FROM SUPPLIER

For quantities 100 and up, call for quote.

5912	4530Z	B	119 x 38mm	115	70.6	12	2000	32	70	Sintec	35.90	32.31	29.61	26.92
5912	4800Z	B	119 x 38mm	115	61.8	12	1800	28	70	Sintec	48.63	46.04	44.78	43.44
5912	4600Z	B	119 x 38mm	115	105.9	18	3100	45	60	Sintec	32.76	31.48	30.51	29.52
5912	4650Z	B	119 x 38mm	230	94.2	19	2650	40	50	Sintec	45.38	41.85	39.63	37.69
5912	4656Z	B	119 x 38mm	230	94.2	19	2650	40	75	Ball	40.00	38.00	36.00	34.00
5912	4606Z	B	119 x 38mm	115	105.9	18	3100	45	85	Ball	45.60	40.44	35.10	32.14

8000N SERIES

- Metal housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Note: 8500DP has a 5 year warranty

NEW FROM SUPPLIER

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage (VAC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	8506N	C	80 x 38	115	36	11.0	3300	35	95	Ball	46.50	42.65	40.59	38.60
5912	8556N	C	80 x 38	230	29.4	12	2700	31	90	Ball	46.60	41.95	39.60	37.28
5912	8800N	C	80 x 38	115	28	11.0	2500	28	70	Sintec	42.10	39.56	38.31	37.07
5912	8830N	C	80 x 38	115	21.2	8	1950	21	80	Sintec	37.44	34.32	31.20	28.08
5912	8850N	C	80 x 38	230	21.8	12.5	2150	24	70	Sintec	38.07	34.89	31.72	28.55
5912	8500DP	C	80 x 38	115	36	11.0	3200	34	75	Sintec	50.61	44.91	38.97	35.68
5912	8500N	C	80 x 38	115	36	11.0	3200	34	75	Sintec	39.05	35.86	34.13	32.42
5912	8550N	C	80 x 38	230	36	11.0	3200	34	75	Sintec	44.43	39.41	34.20	31.31

4600X SERIES

- Metal housing and impeller
- Termination: 0.110" terminals
- Air exhaust over struts
- Electrical connection w/ LZ120 plug & cord set or soldered
- Note: 4600XP has a 5 year warranty

For quantities 100 and up, call for quote.

5912	4606X	C	119 x 38	115	106	18.0	3100	51	90	Ball	49.64	45.45	43.20	41.08
5912	4656X	C	119 x 38	230	106	18.0	3100	51	90	Ball	40.84	36.23	31.44	29.32
5912	4600X	C	119 x 38	115	106	18.0	3100	50	60	Sintec	32.26	29.49	28.11	26.67
5912	4600XP	C	119 x 38	115	106	18.0	3100	50	60	Sintec	38.58	34.22	29.70	27.19
5912	4650X	C	119 x 38	230	106	18.0	3100	50	60	Sintec	35.88	32.88	31.25	29.69
5912	4800X	C	119 x 38	115	57	9.0	1750	32	75	Sintec	31.20	29.50	28.70	27.80

3600 SERIES

- Metal housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Electrical connection w/ LZ120 plug & cord set or soldered

For quantities 100 and up, call for quote.

5912	3606	C	92 x 38	115	44	11.0	3200	42	75	Ball	47.46	42.11	36.54	33.46
5912	3656	C	92 x 38	230	41	12.0	2700	37	75	Ball	47.46	42.11	35.51	33.46
5912	3600	C	92 x 38	115	52	11.0	3100	41	65	Sintec	43.85	41.30	40.07	38.78

3900 SERIES

- Metal housing
- Plastic impeller
- Termination: 0.110" Terminals
- Air exhaust over struts
- Electrical connection w/ LZ120 plug & cord set or soldered

For quantities 100 and up, call for quote.

5912	3906	D	92 x 25	115	41	9.0	3150	40	80	Ball	38.95	34.55	29.99	27.45
5912	3956	D	92 x 25	230	41	9.0	3150	40	80	Ball	48.63	43.14	37.44	34.27
5912	3900	D	92 x 25	115	41	9.0	3150	40	80	Sintec	42.43	37.64	32.67	29.91

9900 SERIES

- Metal housing
- Plastic impeller
- Termination: 0.110" Terminals
- Air exhaust over struts
- Electrical connection w/ LZ120 plug & cord set or soldered

NEW FROM SUPPLIER

For quantities 100 and up, call for quote.

5912	9906	D	119 x 25	115	79	12.0	2850	42	70	Ball	42.20	37.44	32.49	29.75
5912	9906L	D	119 x 25	115	58.9	8	2100	34.5	80	Ball	35.90	32.31	29.61	26.92
5912	9956L	D	119 x 25	230	49.4	9.5	1850	29.5	80	Ball	35.90	32.31	29.61	26.92
5912	9900	D	119 x 25	115	79	12.0	2850	42	70	Sintec	49.31	43.75	37.97	34.76

5900 SERIES

- Metal housing
- Plastic impeller
- Termination: 0.110" terminals
- Air exhaust over struts

NEW FROM SUPPLIER

For quantities 100 and up, call for quote.

5912	5908	D	127 x 38	115	121	17.0	3100	47	75	Ball	42.15	39.20	37.30	35.00
5912	5958	D	127 x 38	230	121.2	17	2750	47	60	Ball	41.20	37.08	33.99	30.90
5912	5900	D	127 x 38	115	121.2	17	3050	46	65	Sintec	38.30	34.47	31.59	28.72
5912	5950	D	127 x 38	230	105.9	17	2700	46	55	Sintec	33.90	30.51	27.96	25.42

W2E142 SERIES

- Metal housing and impeller
- Termination: 0.110" terminals
- Air exhaust over struts

For quantities 100 and up, call for quote.

5912	W2E142-BB05-01	E	150x172x38	115	230	24.0	3300	57	80	Ball	140.80	132.33	128.24	123.87
5912	W2E142-BB01-01	E	150x172x38	230	230	28.0	3300	57	80	Ball	88.90	81.23	73.45	68.19

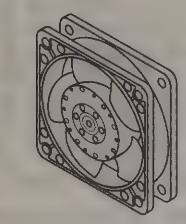
W2S130 SERIES

- Metal housing and impeller
- Termination: 13.3" leads
- Counter-clockwise rotation looking at rotor

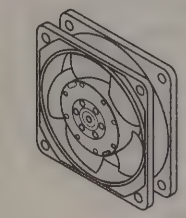
For quantities 100 and up, call for quote.

5912	W2S130-AA25-01	F	150x172x55	115	223.6	38.0	3250	52	80	Ball	73.27	70.41	68.29	66.10
5912	W2S130-AA03-01	F	150x172x55	230	230	39.0	3250	53	70	Ball	73.26	70.46	68.31	60.25
5912	W2S130-AA03-49	F	150x172x55	115/230	223.6	38.0	3250	52	70	Ball	95.14	91.44	88.59	85.67
5912	W2S130-BM15-01	F	150x172x55	115	250.1	46.0	3050	60	70	Ball	66.64	64.09	62.14	54.80
5912	W2S130-BM03-01	F	150x172x55	230	250.1	46.0	3050	60	70	Ball	91.70	88.20	85.51	75.42

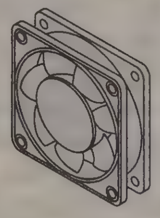
A



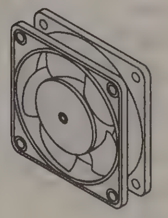
B



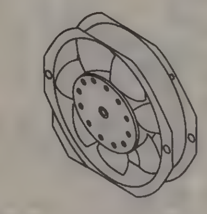
C



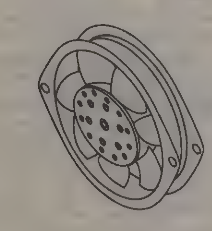
D



E



F



EBM-PAPST Tubeaxial AC and DC Fans

RoHS Compliant **This page of product is compliant.**

AC TUBEAXIAL FANS: ACMAXX SERIES

The ACmaxx, the new generation of AC fans, offers a wide input voltage, high efficiency and reliability. The ACmaxx fans have higher volume flow, optional variable speed control, failure detection, speed and function monitoring.

- Plastic housing and impeller
- Features Leads
- Nominal VAC - 115/230
- External rotor motor
- 75% lower power consumption

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions	Voltage (AC Range)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912—	AC6200NM	A	6 inches	85-265	206	12	2850	50	70	Ball	106.53	97.75	93.05	88.48
5912—	AC4300H	B	4 inches	85-265	120	11	3400	51	70	Ball	65.20	59.83	56.95	54.15
5912—	AC3200JH	C	92mm	85-265	86	11	6800	55	70	Ball	73.98	67.88	64.62	61.44

DC TUBEAXIAL FANS

250 Series

- Plastic housing and impeller
- Termination: 6.3" leads
- Air exhaust over struts
- Brushless micro-fan

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912—	255N	D	25 x 8	5	1.9	0.4	9000	15	70	Sintec	19.31	18.67	18.09	17.54
5912—	255H	D	25 x 8	5	2.6	0.6	12000	28	55	Sintec	21.51	20.57	20.01	19.43
5912—	252N	D	25 x 8	12	1.9	0.5	9000	15	70	Sintec	19.31	18.14	17.51	17.00

400F Series

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

For quantities 100 and up, call for quote.

5912—	405F	D	40 x 10	5	4.7	0.7	5400	22	70	Sintec	18.35	16.27	14.13	12.93
5912—	405FH	D	40 x 10	5	5.3	0.7	6000	26	70	Sintec	28.87	25.62	22.23	20.35
5912—	412FM	D	40 x 10	12	3.5	0.6	4300	17	70	Sintec	15.79	14.00	12.15	11.13
5912—	412F	D	40 x 10	12	4.7	0.7	5400	22	70	Sintec	13.25	12.81	12.13	11.50
5912—	412FH	D	40 x 10	12	5.3	0.8	6000	26	70	Sintec	16.02	14.20	12.33	11.28
5912—	414F	D	40 x 10	24	4.7	0.8	5400	22	70	Sintec	16.36	14.51	12.60	11.54

400 Series

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

For quantities 100 and up, call for quote.

5912—	405	E	40 x 20	5	5.9	0.9	6000	18	70	Sintec	20.46	18.15	15.75	14.42
5912—	412	E	40 x 20	12	5.9	1.0	6000	18	70	Sintec	17.07	15.14	13.14	12.03
5912—	412H	E	40 x 20	12	8.0	1.6	8100	29	60	Sintec	19.61	17.38	15.09	13.82
5912—	414	E	40 x 20	24	5.9	1.0	6000	18	70	Sintec	18.35	16.28	14.13	12.94
5912—	414H	E	40 x 20	24	8.0	1.6	8100	29	60	Sintec	24.67	21.89	18.99	17.39

400JHH Series

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

For quantities 100 and up, call for quote.

5912—	412JHH	E	40 x 25	12	14.0	3.3	13000	46	60	Ball	34.25	30.38	26.37	24.14
5912—	414JHH	E	40 x 25	24	14.0	3.6	13000	46	60	Ball	34.25	30.38	26.37	24.14

500F Series

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

For quantities 100 and up, call for quote.

5912—	512F	D	50 x 15	12	12.0	1.0	5000	30	70	Sintec	15.75	13.98	12.13	11.11
5912—	514F	D	50 x 15	24	12.0	1.0	5000	30	70	Sintec	19.63	17.43	15.12	13.84

600F Series

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

For quantities 100 and up, call for quote.

5912—	605F	D	60 x 15	5	17.0	1.1	4000	27	50	Sintec	23.08	20.48	17.76	16.26
5912—	612FL	D	60 x 15	12	7.0	0.4	2650	16	70	Sintec	18.70	16.29	15.89	14.50
5912—	612F	D	60 x 15	12	17.0	1.1	3900	27	70	Sintec	19.63	17.43	15.12	13.84
5912—	612FH	D	60 x 15	12	20.0	1.4	4500	31	60	Sintec	27.24	24.16	20.97	19.20
5912—	614F	D	60 x 15	24	17.0	1.1	3900	27	70	Sintec	21.63	19.18	16.65	15.25

600 Series

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor

For quantities 100 and up, call for quote.

5912—	605L	D	60 x 25	5	12.0	0.8	3000	26	65	Ball	33.32	29.55	25.65	23.48
5912—	612L	D	60 x 25	12	12.0	0.7	3000	26	65	Ball	33.55	29.77	25.83	23.65
5912—	612NM	D	60 x 25	12	20.0	1.1	4100	28	70	Ball	34.13	30.29	26.28	24.06
5912—	612NN	D	60 x 25	12	24.0	1.6	5100	35	70	Ball	34.13	30.29	26.28	24.06
5912—	612NHH	D	60 x 25	12	27.0	3.0	6850	41	70	Ball	33.69	24.78	24.02	22.83
5912—	614L	D	60 x 25	24	12.0	0.8	3000	26	65	Ball	32.42	28.76	24.95	22.85
5912—	614M	D	60 x 25	24	18.0	1.4	4100	33	65	Ball	33.55	29.77	25.83	23.65
5912—	614	D	60 x 25	24	24.0	2.5	5300	40	65	Ball	32.42	28.76	24.96	22.85
5912—	614H	D	60 x 25	24	27.0	3.4	6400	44	65	Ball	36.01	31.94	27.72	25.38
5912—	614NGHH	D	60 x 25	24	33.0	3.8	6850	43	70	Sintec	24.36	22.36	21.30	20.26

700F Series

- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts
- Counterclockwise rotation looking at the rotor
- Fully integrated commutation electronics

For quantities 100 and up, call for quote.

5912—	712F	D	70 x 15	12	25.9	1.7	5300	36	70	Sintec	36.24	32.15	27.90	25.55

DV4100 Series

- Plastic housing and impeller
- Air output over struts
- Counterclockwise rotation looking at the rotor

For quantities 100 and up, call for quote.

5912—	DV4112	F	119 x 38	12	162	21	6000	60	65	Ball	96.50	91.75	89.50	84.43
5912—	DV4118	F	119 x 38	48	162	21	6000	60	65	Ball	91.20	86.10	82.99	79.80

4300V Series

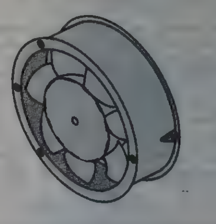
These brushless DC fans automatically adjust their speed, depending on measured temperature. The internal circuitry adjusts the fan speed, using and externally connected temperature sensor (LZ370). This means at lower temperatures, the fan runs at a quieter, lower speed.

NEW PRODUCT

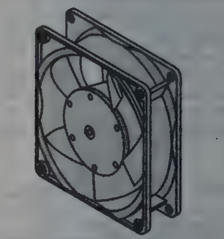
- Plastic housing and impeller
- Air output over struts
- Max Ambient Temperature: 65°C
- Bearing Type: Ball

For quantities 100 and up, call for quote.

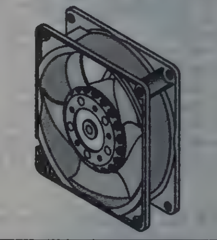
MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)		Noise dB(A)		Power (W)		Price Each			
Mfr.	Mfr. Part No.				25°C	50°C	25°C	50°C	25°C	50°C	1	10	25	50
5912—	4312MV	G	119 x 32	12	40	82.4	22	39	1.5	3.0	42.48	38.94	35.40	31.86
5912—	4312V	G	119 x 32	12	50	100.1	29	45	2.4	5.5	55.62	50.98	46.35	41.71
5912—	4314V	G	119 x 32	24	50	100.1	29	45	3.0	5.4	55.62	50.98	46.35	41.71
5912—	4318V	G	119 x 32	48	35.9	100.1	21	45	2.6	5.4	55.62	50.98	46.35	41.71
			Description											
5912—	LZ7370	- -	Temperature Sensor								3.00	2.78	2.62	2.50



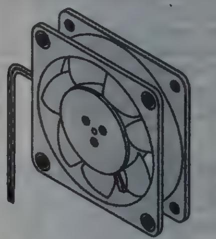
B



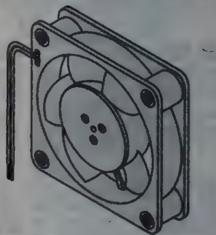
C



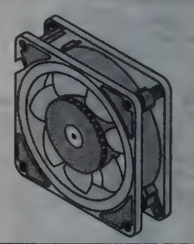
D



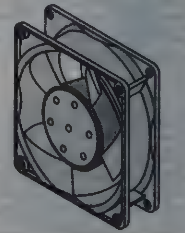
E



F



G



RoHS Compliant **This page of product is compliant.**

TUBEAXIAL DC FANS

Common Specifications:
- Plastic housing and impeller
- Termination: 12.2" leads
- Air exhaust over struts

620 Series

- Clockwise rotation looking at rotor

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912—	622L	A	60 x 25	12	12.4	0.53	3200	22	70	Ball	31.45	27.90	24.21	22.17
5912—	622HH	A	60 x 25	12	33	3.5	8200	43	70	Ball	31.45	27.90	24.21	22.17
5912—	624H	A	60 x 25	24	27.1	2.4	6850	39	70	Ball	31.45	27.90	24.21	22.17

600J Series

- Clockwise rotation looking at rotor

For quantities 100 and up, call for quote.

5912—	612JH	B	60 x 32	12	41.1	7.7	7.7	53	70	Ball	37.31	35.34	34.14	33.02
5912—	614JH	B	60 x 32	24	41.1	-	-	53	70	Ball	37.31	35.34	34.14	33.02
5912—	618JH	B	60 x 32	48	41.1	-	-	53	70	Ball	37.31	35.34	34.14	33.02

8400 Series

- Counterclockwise rotation looking at rotor

For quantities 100 and up, call for quote.

5912—	8412	C	80 x 25	12	33.0	2.4	3150	35	75	Ball	26.20	24.01	22.82	21.73
5912—	8414	C	80 x 25	24	33.0	2.4	3150	35	75	Ball	23.29	21.20	20.00	18.90

8400N Series

- Counterclockwise rotation looking at rotor

For quantities 100 and up, call for quote.

5912—	8412NL	C	80 x 25	12	19.0	0.6	1500	17	70	Ball	30.04	26.65	23.13	21.17
5912—	8412NM	C	80 x 25	12	34.0	1.3	2600	27	70	Ball	27.81	20.42	19.72	18.87
5912—	8412N	C	80 x 25	12	41.0	2.0	3100	32	70	Ball	32.03	28.41	24.66	22.57

8300 Series

- Clockwise rotation looking at rotor

For quantities 100 and up, call for quote.

5912—	8312L	D	80 x 32	12	19	1.0	2000	24	75	Ball	38.58	34.23	29.70	27.19
5912—	8312	D	80 x 32	12	32	2.2	3300	36	75	Ball	38.58	34.22	29.70	27.19
5912—	8312HL	D	80 x 32	12	39	4.0	4200	43	75	Ball	39.03	34.64	30.06	27.52
5912—	8314L	D	80 x 32	24	19	1.0	2000	24	75	Ball	38.58	34.23	29.70	27.19
5912—	8314M	D	80 x 32	24	28	2.1	3000	34	75	Ball	30.82	27.34	23.72	22.73
5912—	8314	D	80 x 32	24	32	2.5	3300	36	75	Ball	38.58	34.22	29.70	27.19
5912—	8314H	D	80 x 32	24	47	6.0	5000	48	75	Ball	35.10	33.69	32.65	31.62
5912—	8318	D	80 x 32	48	32	2.6	3300	36	75	Ball	38.58	34.22	29.70	27.19

8200J Series

- Clockwise rotation looking at rotor
- Voltage Range: (8212JN) 7~13.8, (8214JN) 18~26.4

For quantities 100 and up, call for quote.

5912—	8212JN	E	80 x 38	12	77.7	10	8400	55	70	Ball	42.88	40.62	39.24	37.96
5912—	8214JN	E	80 x 38	12	77.7	10	8400	55	70	Ball	42.88	40.62	39.24	37.96

3400 Series

- Counterclockwise rotation looking at rotor

For quantities 100 and up, call for quote.

5912—	3412L	C	92 x 25	12	36	1.3	2200	27	75	Ball	26.89	25.82	25.07	24.26
5912—	3412M	C	92 x 25	12	42	1.8	2650	32	75	Ball	30.63	27.17	22.79	21.59
5912—	3412	C	92 x 25	12	49	2.4	3050	36	75	Ball	30.63	27.17	22.79	21.59
5912—	3414L	C	92 x 25	24	36	1.4	2200	27	75	Ball	30.63	27.17	22.79	21.59
5912—	3414M	C	92 x 25	24	42	1.8	2650	32	75	Ball	30.63	27.17	22.79	21.59
5912—	3414	C	92 x 25	24	49	2.6	3050	36	75	Ball	24.43	21.67	18.18	17.22
5912—	3414H	C	92 x 25	24	55	3.8	3400	39	75	Ball	32.74	29.04	25.20	23.08

3300 Series

- Counterclockwise rotation looking at rotor
- Totally encapsulated and sealed

For quantities 100 and up, call for quote.

5912—	3312	D	92 x 32	12	47	2.4	3000	37	75	Ball	38.82	34.43	29.88	27.36
5912—	3314	D	92 x 32	24	47	2.4	3000	37	75	Ball	30.98	27.48	23.85	21.84

3200JH3 Series

This DC Tubeaxial fan has an increased flow rate of approximately 60% and maximum static pressure of 140% over the standard version. This features high performance, but also has a long service life due to its sophisticated electronics and excellent cooling of the special ball bearings.

NEW PRODUCT

- Clockwise rotation looking at rotor

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912—	3212JN	F	92 x 38	12	76.5	7.5	6000	51	70	Ball	46.50	41.26	35.80	32.79
5912—	3214JN	F	92 x 38	24	76.5	8	6000	51	70	Ball	44.73	41.00	37.27	33.54
5912—	3214JH3	F	92 x 38	24	135.4	29	10500	66	55	Ball	52.50	46.15	43.22	41.08
5912—	3218JN	F	92 x 38	48	76.5	7	6000	51	70	Ball	52.50	46.15	43.22	41.08
5912—	3218JH3	F	92 x 38	48	135.4	29	10500	66	55	Ball	52.50	46.15	43.22	41.08

4400F Series

- Counterclockwise rotation looking at rotor

For quantities 100 and up, call for quote.

5912—	4412FM	C	119 x 25	12	82	3.2	2400	38	75	Ball	37.05	32.87	28.53	26.12
5912—	4412F	C	119 x 25	12	100	5.0	2900	43	75	Ball	41.50	36.81	31.95	29.25
5912—	4414FM	C	119 x 25	24	82	3.2	2400	38	75	Ball	30.97	27.48	23.85	21.84
5912—	4414F	C	119 x 25	24	100	5.0	2900	43	75	Ball	32.51	30.65	29.72	28.74

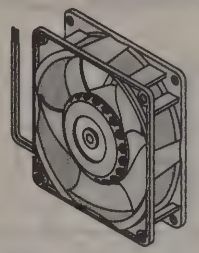
4300 Series

- Clockwise rotation looking at rotor

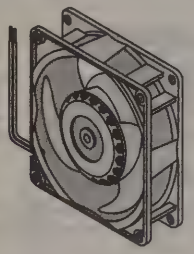
For quantities 100 and up, call for quote.

5912—	4312L	D	119 x 32	12	56	1.2	1550	30	75	Ball	31.96	28.35	24.61	22.53
5912—	4312	D	119 x 32	12	100	5.0	2800	45	75	Ball	34.85	32.01	30.46	28.99
5912—	4314M	D	119 x 32	24	82	2.6	2300	39	75	Ball	39.98	35.46	30.78	28.18
5912—	4314	D	119 x 32	24	100	5.0	2800	45	75	Ball	28.39	26.51	24.57	22.50

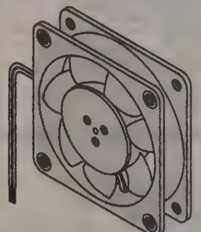
A



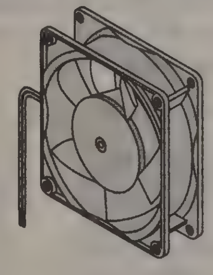
B



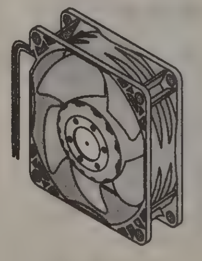
C



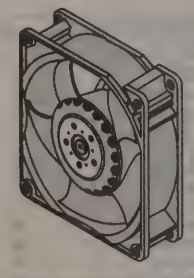
D



E



F



EBM-PAPST Fan Accessories and Tubeaxial DC Fans

RoHS Compliant **This page of product is compliant.**

METAL FINGER GUARDS

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each			
Mfr.	Mfr. Part No.			1	10	25	50
5912—	LZ22N	A	Finger Guards (Metal)	3.40	3.00	2.60	2.45
5912—	LZ23	B	Finger Guards (Metal)	3.70	3.33	3.05	2.77
5912—	LZ25	C	Finger Guards (Metal)	5.30	4.77	4.37	3.97
5912—	LZ28	D	Finger Guards (Metal)	3.00	2.70	2.47	2.25
5912—	LZ30	E	Finger Guards (Metal)	5.55	4.95	4.35	4.05

PLASTIC FINGER GUARDS

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each			
Mfr.	Mfr. Part No.			1	10	25	50
5912—	LZ30P	F	Finger Guards (Plastic)	3.70	3.33	3.05	2.77
5912—	LZ32P	G	Finger Guards (Plastic)	2.80	2.52	2.31	2.10

FAN CORDS

Connecting cable with molded plug in PVC (black). For all types of fans with flat pins .12 x .02 in (3.0 x .05 mm).

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Cable Length IN.	Pins IN. (mm)	Price Each			
Mfr.	Mfr. Part No.				1	10	25	50
5912—	LZ120	H	24.0	0.02 (.5)	14.80	13.20	11.60	10.80
5912—	LZ126	H	39.4	0.02 (.5)	5.50	4.95	4.53	4.12

FAN MOUNTING HARDWARE

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Fits Series	Price Each			
Mfr.	Mfr. Part No.				1	100	250	500
5912—	LZ210	I	6-32/M3.5 Self Tapping Clip Nut	4000/7000	.45	.41	.37	.33
5912—	LZ260	J	Fiberglass Spacer	3400/8400	.60	.54	.49	.45
5912—	LZ261	J	Fiberglass Spacer	3300/4300/8300	.60	.54	.49	.45

FAN FILTERS

Used with 4000 and 9000 series fans.

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each			
Mfr.	Mfr. Part No.			1	10	25	50
5912—	LZ40N	K	Screen Kit, Fiberglass Reinforced Plastic	9.20	8.28	7.59	6.90
5912—	LZ40-1	K	Mounting Bracket	3.00	2.70	2.47	2.25
5912—	LZ60	K	Filter, Aluminum Wire Mesh	7.10	6.39	5.85	5.32

4400 SERIES

This tubeaxial fan features a new motor design and utilizes ebm-papst sickle-shaped winglet blade technology for significantly reduced noise emissions compared to other fans of the same size.

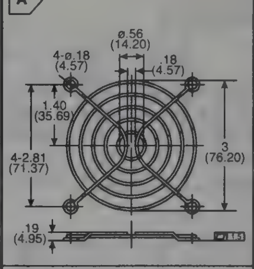
Specifications:

- Plastic housing and impeller
- Air exhausts over struts
- Clockwise rotation looking at rotor
- Termination: 12.2" Leads
- Dimensions: 119 Length x 38 Width
- Max. Temp: 70˚C
- Bearing Type: Ball

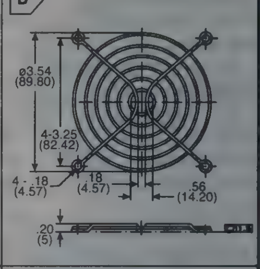
For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Voltage DC	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB (A)	Price Each			
Mfr.	Mfr. Part No.							1	10	25	50
5912—	4412L	L	12	88.3	2.5	2700	37	33.30	30.52	27.75	24.97
5912—	4412M	L	12	108.3	4.2	3300	42	33.30	30.52	27.75	24.97
5912—	4412N	L	12	120.7	5.5	3650	46	33.30	30.52	27.75	24.97
5912—	4412H	L	12	141.3	8.9	4300	49	36.09	33.08	30.07	27.06
5912—	4414L	L	24	88.3	2.5	2700	37	33.30	30.52	27.75	24.97
5912—	4414M	L	24	108.3	4.0	3300	42	33.30	30.52	27.75	24.97
5912—	4414N	L	24	120.7	5.2	3650	46	33.30	30.52	27.75	24.97
5912—	4414H	L	24	141.3	8.6	4300	49	36.09	33.08	30.07	27.06
5912—	4418L	L	48	88.3	2.5	2700	37	36.09	33.08	30.07	27.06
5912—	4418M	L	48	108.3	4.2	3300	42	36.09	33.08	30.07	27.06
5912—	4418N	L	48	120.7	5.2	3650	46	36.09	33.08	30.07	27.06
5912—	4418H	L	48	141.3	8.6	4300	49	36.09	33.08	30.07	27.06

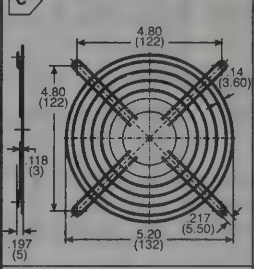
A


ø.56
(14.20)
4-ø.18
(4.57)
.18
(4.57)
1.40
(35.69)
4-2.81
(71.37)
3
(76.20)
.19
(4.95)

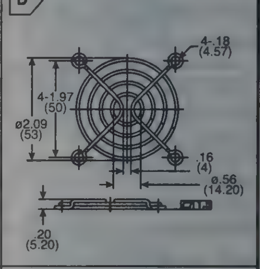
B


ø3.54
(89.80)
4-3.25
(82.42)
4 - .18
(4.57)
.18
(4.57)
.56
(14.20)
.20
(5)

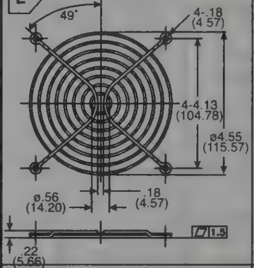
C


4.80
(122)
4.80
(122)
.14
(3.60)
.118
(3)
.217
(5.50)
5.20
(132)
.197
(5)

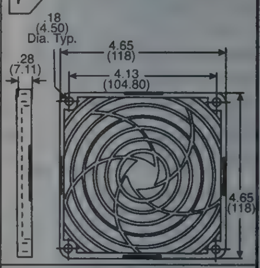
D


4-.18
(4.57)
4-1.97
(50)
ø2.09
(53)
.16
(4)
ø.56
(14.20)
.20
(5.20)

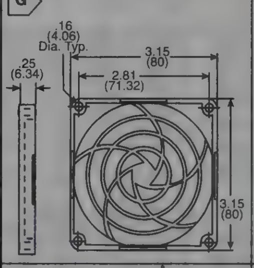
E


49°
4-.18
(4.57)
4-4.13
(104.78)
ø4.55
(115.57)
ø.56
(14.20)
.18
(4.57)
.22
(5.66)

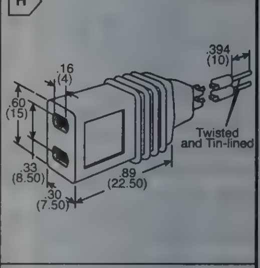
F


.18
(4.50)
Dia. Typ.
.28
(7.11)
4.65
(118)
4.13
(104.80)
4.65
(118)

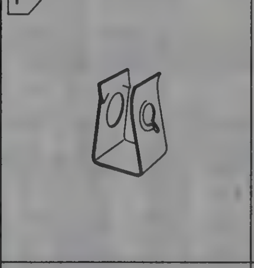
G


.16
(4.06)
Dia. Typ.
.25
(6.34)
3.15
(80)
2.81
(71.32)
3.15
(80)

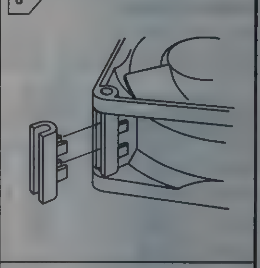
H


.394
(10)
.16
(4)
.60
(15)
Twisted
and Tin-lined
.33
(8.50)
.89
(22.50)
.30
(7.50)

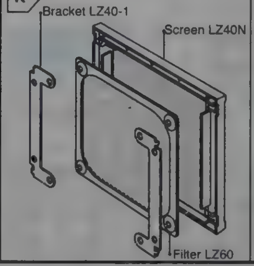
I



J



K


Bracket LZ40-1
Screen LZ40N
Filter LZ60

L

EBM-PAPST Tubeaxial DC Fans and Radial DC Blowers

RoHS Compliant **This page of product is compliant.**

DC FANS

4200 Series

NEW PRODUCT

- Plastic housing and impeller
- Termination: 12.2" leads
- Counterclockwise rotation looking at rotor
- Air exhaust over struts

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	4212L	A	119 x 38	12	50.6	1.2	1600	29	75	Ball	52.72	46.77	40.59	37.15
5912	4212	A	119 x 38	12	97	4.3	3050	45	75	Ball	52.72	46.77	40.59	37.16
5912	4214	A	119 x 38	24	97	4.3	3050	45	75	Ball	45.91	42.14	40.12	38.10
5912	4212H	A	119 x 38	12	108.3	5.3	3400	49	65	Ball	40.59	37.20	33.82	30.44
5912	4214H	A	119 x 38	24	108.3	5.3	3400	49	65	Ball	40.59	37.20	33.82	30.44

4100N Series

NEW PRODUCT

- Metal housing and plastic impeller
- Termination: 0.011" terminals
- Air intake over struts
- Clockwise rotation looking at rotor

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	4182NX	A	119 x 38	12	106	4.5	3200	49	75	Ball	64.30	57.03	49.50	45.32
5912	4182NGX	A	119 x 38	12	94.2	3.5	3400	44	75	Sintec	39.50	35.55	32.58	29.62
5912	4184NX	A	119 x 38	24	106	4.5	3200	49	75	Ball	53.00	47.01	40.80	37.35
5912	4184NGX	A	119 x 38	24	94.2	3.5	3400	44	75	Sintec	42.20	37.98	34.81	31.65
5912	4184NXH	A	119 x 38	24	139	11.0	4400	59	55	Ball	68.89	64.30	55.80	51.09
High Performance Models														
5912	4112NHH	A	119 x 38	12	152.9	15.5	5000	60	65	Ball	72.09	66.08	60.07	54.06
5912	4112NH3	A	119 x 38	12	182.4	19.5	6000	65	65	Ball	72.09	66.08	60.07	54.06
5912	4112NH4	A	119 x 38	12	208.9	32.0	6800	67	65	Ball	72.09	66.08	60.07	54.06
5912	4114NHH	A	119 x 38	24	152.9	15.5	5000	60	65	Ball	72.09	66.08	60.07	54.06
5912	4114NH3	A	119 x 38	24	182.4	19.5	6000	65	65	Ball	72.09	66.08	60.07	54.06
5912	4114NH4	A	119 x 38	24	208.9	30.0	6800	67	65	Ball	72.09	66.08	60.07	54.06
5912	4114NH5	A	119 x 38	24	229.5	45.0	7500	70	65	Ball	72.09	66.08	60.07	54.06
5912	4114NH6	A	119 x 38	24	259.0	60.0	8400	73	65	Ball	74.70	68.06	62.85	58.91
5912	4118NHH	A	119 x 38	48	152.9	15.5	5000	60	65	Ball	72.09	66.08	60.07	54.06
5912	4118NH3	A	119 x 38	48	182.4	19.5	6000	65	65	Ball	72.09	66.08	60.07	54.06
5912	4118NH4	A	119 x 38	48	208.9	28.0	6800	67	65	Ball	72.09	66.08	60.07	54.06
5912	4118NH5	A	119 x 38	48	229.5	42.0	7500	70	65	Ball	72.09	66.08	60.07	54.06
5912	4118NH6	A	119 x 38	48	259.0	55.0	8400	73	65	Ball	74.70	68.06	62.85	58.91

5200 Series

- Plastic housing and impeller
- Termination: 12.2" leads
- Counterclockwise rotation looking at rotor
- Air exhaust over struts

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	5214NM	A	127 x 38	24	110	4.6	2750	43	75	Ball	48.84	43.33	37.60	34.43
5912	5214NH	A	127 x 38	24	148	9.8	3650	51	70	Ball	81.13	71.97	62.46	57.19

6200N Series

NEW PRODUCT

- Metal housing and plastic impeller
- Termination: 0.118" terminals
- Counterclockwise rotation looking at rotor
- Air exhaust over struts

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	6212NM	B	172 x 51	12	206	12.0	2850	50	72	Ball	99.04	95.88	93.05	90.15
5912	6224N	B	172 x 51	24	241	18.0	3400	55	72	Ball	85.24	75.61	65.63	60.08
5912	6224NM	B	172 x 51	24	206	18.0	2850	50	72	Ball	82.08	75.24	68.40	61.56
5912	6224NU	B	172 x 51	24	241.3	18.0	3400	55	72	Ball	102.60	94.05	85.50	76.95
5912	6248N	B	172 x 51	48	241.3	11.5	3400	55	72	Ball	82.08	75.24	68.40	61.56

DC FLATPAK® RADIAL BLOWERS

RL48DC Series

- Plastic Spiral housing & blower
- Termination: 12.2" leads
- Electronically commutated external rotor motor
- Protection against overloading & reverse polarity

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	RL48-19/12	C	76 x 27	12	16.5	5	4400	51	70	Ball	40.33	35.78	31.06	28.43
5912	RL48-19/14	C	76 x 27	24	16.5	5	4400	51	70	Ball	40.33	35.78	31.06	28.43

RLF100 Series

- Plastic housing & blower wheel
- Termination: 12.2" leads
- Electronically commutated external rotor motor
- Protection against overloading & reverse polarity
- Radial direction of flow. (Direction of motor as seen from right)

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912	RLF100-11/12	D	127 x 25	12	37.7	8	5100	60	75	Ball	72.12	69.77	66.88	63.10
5912	RLF100-11/14	D	127 x 25	24	37.7	8	5100	60	75	Ball	72.12	69.77	66.88	63.10
5912	RLF100-11/18	D	127 x 25	48	37.7	17	5100	60	75	Ball	75.00	71.99	68.75	65.62

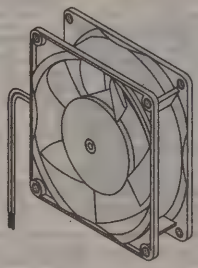
RL65 Series

- Plastic Spiral housing & blower
- Termination: 12.2" leads
- Electronically commutated external rotor motor
- Protection against overloading & reverse polarity
- Snap-in fins

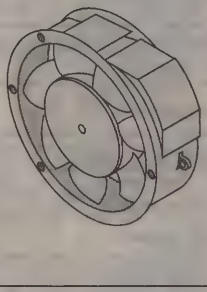
For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Volt. (DC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
55912	RL65-21	E	97 x 33	12	32.4	12.5	4600	6.4	-20 +70	Ball	47.31	43.34	36.23	34.22

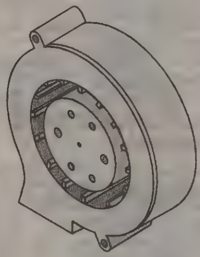
A



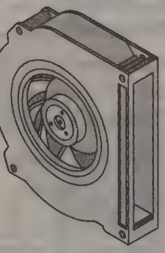
B



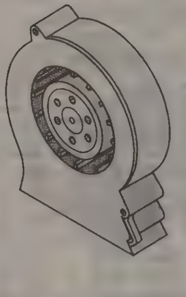
C



D



E



EBM-PAPST Tubeaxial AC Fans, Flatpaks® & Motorized Impellers

RoHS Compliant **This page of product is compliant.**

TUBEAXIAL AC FANS

W2E143 SERIES

- Permanent split capacitor motor & terminals
- Metal housing and impeller
- Air exhaust over struts
- Termination: 0.110" terminals

For quantities 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage (VAC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	Price Each			
Mfr.	Mfr. Part No.										1	10	25	50
5912—	W2E143-AA15-01	A	172 x 51	115	260	26.0	3300	58	70	Ball	102.97	91.34	79.27	72.58
5912—	W2E143-AB09-01	A	172 x 51	230	295	29.0	3300	58	75	Ball	108.20	95.98	83.30	76.27
5912—	W2E143-AB15-01	A	172 x 51	115	295	29.0	3300	58	75	Ball	135.25	119.97	104.13	95.34

W2E200H SERIES

- Termination: terminal strip
- Metal housing, impeller, and terminal block
- Electrical connection w/LZ120 plug & cord set or soldered

For quantities 100 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Voltage (VAC)	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Bearing Type	1	10	25	50
5912—	W2E200-HK86-01	B	225 x 80	115	606	80	2800	61	65	Ball	173.79	159.30	144.82	130.34
5912—	W2E200-HK38-01	B	225 x 80	230	606	80	2550	61	65	Ball	164.78	152.38	142.33	139.62

DC FLATPAK® IMPELLERS/BLOWERS: RL90DC SERIES

- DC brushless motor
- Mounts in any position for pressurizing or evacuating
- Termination: 12.2" leads
- Ball bearing

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Price Each			
Mfr.	Mfr. Part No.									1	5	10	25
5912—	RL90-18/14N	C	121 x 37	24 VDC	24	5.0	2500	58	75	77.04	68.34	59.31	54.30

AC FLATPAK® IMPELLERS/BLOWERS

- Shallow depth
- Mounts in any position for pressurizing, evacuating, or spot cooling

RL90AC Series

- Termination: 12.2" leads
- Sintec bearing

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Price Each			
Mfr.	Mfr. Part No.									1	5	10	25
5912—	RL90-18/00	C	121 x 37	115 VAC	25	20.0	2550	60	60	67.23	59.63	51.75	47.38

RG90AC Series

- Termination: 13.4" leads
- Ball bearing

For quantities 50 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	1	5	10	25
5912—	RG90-18/06	D	135 x 38	115 VAC	28	22.0	1900	60	65	65.42	59.93	56.98	54.14

RG125AC Series

- Termination: 12.2" leads
- Ball bearing

For quantities 50 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	1	5	10	25
5912—	RG125-19/06	E	180 x 40	115 VAC	55	19.0	2750	60	80	72.01	63.88	55.44	50.75

RG160AC Series

- Termination: 12.8" leads
- Ball bearing

For quantities 50 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	1	5	10	25
5912—	RG160-28/06S	F	220 x 56	115 VAC	131	50.0	3050	69	80	158.76	140.83	122.22	111.89

DC MOTORIZED IMPELLERS

R1G133 Series

- DC brushless
- Termination: 17.7" leads
- Recommended inlet ring 9566-2-4013
- Ball bearing
- Plastic impeller

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Price Each			
Mfr.	Mfr. Part No.									1	5	10	25
5912—	R1G133-AA17-02	G	133 Rnd x 60 mm	24 VDC	212	28.0	3900	63	60	220.93	208.56	202.55	196.22
5912—	R1G133-AA65-02	G	133 Rnd x 60 mm	48 VDC	212	28.0	3900	63	60	196.22	174.05	151.06	138.30

RER125DC Series

- DC brushless
- Termination: 15.7" leads
- Ball bearing
- Plastic impeller

For quantities 50 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	1	5	10	25
5912—	RER125-19/12N	G	138 Rnd x 35 mm	12 VDC	65	4.5	2650	47	75	49.90	46.47	42.10	39.76
5912—	RER125-19/14N	G	138 Rnd x 35 mm	24 VDC	65	4.5	2650	47	75	56.26	49.90	43.31	39.65
5912—	RER125-19/06	G	138 Rnd x 40 mm	115 VAC	68	18.0	2850	65	70	57.87	51.33	44.55	40.79

RER160DC Series

- DC brushless
- Termination: 16.7" leads
- Ball bearing

For quantities 50 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	1	5	10	25
5912—	RER160-28/12N	G	176 Rnd x 54 mm	12 VDC	141	19	3050	68	70	94.40	88.49	82.60	79.61

R1G175 Series - Backward Curved

- Plastic Impeller
- Ball bearing
- Termination: 17.7" leads

For quantities 50 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	1	5	10	25
5912—	R1G175AB6302	G	175 Rnd x 58	24 VDC	330	36	3100	65	60	190.00	161.35	146.77	136.99
5912—	R1G175-AB41-02	G	175 Rnd x 58	48 VDC	330	36	3100	65	60	183.69	155.43	141.31	131.88

AC MOTORIZED IMPELLERS

RER160AC Series

- Termination: 16.7" leads
- Ball bearing

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	Price Each			
Mfr.	Mfr. Part No.									1	5	10	25
5912—	RER160-28/06S	G	176 Rnd x 54 mm	115 VAC	161	46.0	3250	68	70	128.23	113.76	98.73	90.40

R2E220 Series

- Termination: 17.7" leads
- Ball bearing
- Recommended inlet ring 9609-2-4013

For quantities 50 and up, call for quote.

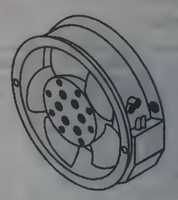
Mfr.	Mfr. Part No.	Fig.	Dimensions (mm) L x W	Voltage	Airflow (CFM)	Power (W)	Speed (RPM)	Noise dB(A)	Max Temp. (°C)	1	5	10	25
5912—	R2E220-AA44-23	G	220 Rnd x 71 mm	115 VAC	500	96.0	2700	70	40	130.34	115.63	100.35	91.89

ACCESSORIES - INLET RINGS

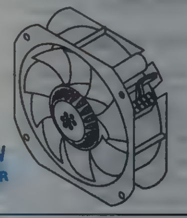
For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Impeller Number	Dimensions (In.) Max.			Price Each		
Mfr.	Mfr. Part No.			A	B	C	1	10	25
5912—	9566-2-4013	H	133	5308	3.43	0.51	7.75	6.97	6.82
5912—	9588-2-4013	H	175, 180, 190	7.28	5.12	0.67	12.13	10.92	10.31
5912—	9609-2-4013	H	220	9.96	6.1	0.79	17.53	16.06	15.28

A

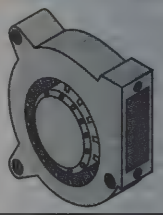


B

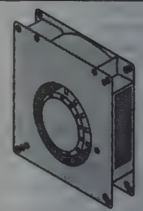


NEW FROM SUPPLIER

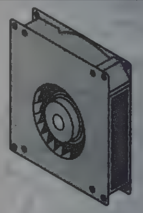
C



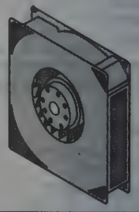
D



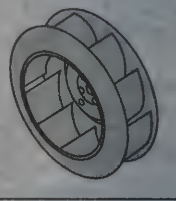
E



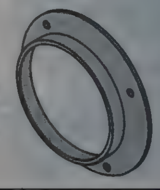
F



G



H



ORION DC Fans

RoHS Compliant

ORION OD2510 SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD251005HB	OD2510-05HB	A	25x10	Ball	Wire Leads	5	.12A	1.3	18	9000	13.00	12.24	11.70	10.92
670-OD251012HB	OD2510-12HB	A	25x10	Ball	Wire Leads	12	.07A	1.4	21	13000	13.00	12.24	11.70	10.92

ORION OD3010 SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD301005HB	OD3010-05HB	A	30x10	Ball	Wire Leads	5	.21A	4.4	28	9500	9.00	8.47	8.10	7.66
670-OD301012HB	OD3010-12HB	A	30x10	Ball	Wire Leads	12	.12A	4.4	28	9500	9.00	8.47	8.10	7.66

ORION OD4010 AND OD4020 SERIES

- Uses Fan Guard stock number 670-G402

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD401005HB	OD4010-05HB	B	40x10	Ball	Wire Leads	5	.10A	4.8	31	7000	9.00	8.47	8.10	7.56
670-OD401012HB	OD4010-12HB	B	40x10	Ball	Wire Leads	12	.07A	5	31	8000	9.00	8.47	8.10	7.56
670-OD401024HB	OD4010-24HB	B	40x10	Ball	Wire Leads	24	.06A	5	31	8000	9.00	8.47	8.10	7.56
670-OD402005HB	OD4020-05HB	B	40x20	Ball	Wire Leads	5	.12A	7	30	6000	9.00	8.47	8.10	7.56
670-OD402012HB	OD4020-12HB	B	40x20	Ball	Wire Leads	12	.08A	7.5	30	7000	9.00	8.47	8.10	7.56
670-OD402024HB	OD4020-24HB	B	40x20	Ball	Wire Leads	24	.06A	7.5	30	7000	9.00	8.47	8.10	7.56

ORION OD5210 SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD521012HB	OD5210-12HB	C	52x10	Ball	Wire Leads	12	.14A	11.6	36	6000	9.00	8.47	8.10	7.56
670-OD521012MB	OD5210-12MB	C	52x10	Ball	Wire Leads	12	.12A	9.9	32	5000	9.00	8.47	8.10	7.56

ORION OD6015 AND OD6025 SERIES

- Uses Fan Guard stock number 670-G604

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD601512HB	OD6015-12HB	D	60x15	Ball	Wire Leads	12	.13A	17	29	4000	9.00	8.47	8.10	7.56
670-OD601524HB	OD6015-24HB	D	60x15	Ball	Wire Leads	24	.15A	18	35	4500	9.00	8.47	8.10	7.56
670-OD602505HB	OD6025-05HB	D	60x25	Ball	Wire Leads	5	.24A	20	26	2800	9.00	8.47	8.10	7.56
670-OD602512HB	OD6025-12HB	E	60x25	Ball	Wire Leads	12	.15A	25	30	3800	9.00	8.47	8.10	7.56
670-OD602512MB	OD6025-12MB	E	60x25	Ball	Wire Leads	12	.12A	17	25	3000	9.00	8.47	8.10	7.56
670-OD602512LB	OD6025-12LB	E	60x25	Ball	Wire Leads	12	.08A	14	20	2500	9.00	8.47	8.10	7.56
670-OD602524HB	OD6025-24HB	E	60x25	Ball	Wire Leads	24	.12A	25	30	3800	9.00	8.47	8.10	7.56

ORION OD8025 AND OD8032 SERIES

- Uses Fan Guard stock number 670-G8018

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD802512HB	OD8025-12HB	E	80x25	Ball	Wire Leads	12	.18A	40	33	3300	9.00	8.47	8.10	7.56
670-OD802512MB	OD8025-12MB	E	80x25	Ball	Wire Leads	12	.15A	32	28	2800	9.00	8.47	8.10	7.56
670-OD802512LB	OD8025-12LB	E	80x25	Ball	Wire Leads	12	.12A	22	21	2000	9.00	8.47	8.10	7.56
670-OD802524HB	OD8025-24HB	E	80x25	Ball	Wire Leads	24	.12A	40	33	3300	9.00	8.47	8.10	7.56
670-OD803212HB	OD8032-12HB	E	80x32	Ball	Wire Leads	12	.55A	42	40	4800	12.00	11.52	10.80	10.08
670-OD803248HB	OD8032-48HB	E	80x32	Ball	Wire Leads	48	.16A	42	40	4800	14.00	13.44	12.60	11.76

ORION OD9225 SERIES

- Uses Fan Guard stock number 670-G9216

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD922512HB	OD9225-12HB	E	92x25	Ball	Wire Leads	12	.29A	50	33	2800	10.00	9.42	9.00	8.40
670-OD922512LB	OD9225-12LB	E	92x25	Ball	Wire Leads	12	.12A	25	23	1800	10.00	9.42	9.00	8.40
670-OD922524HB	OD9225-24HB	E	92x25	Ball	Wire Leads	24	.18A	50	33	3000	10.00	9.42	9.00	8.40

ORION OD1225, OD1232, AND OD1238 SERIES

- Uses Fan Guard stock number 670-G10915A

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD122512MB	OD1225PT-12MWB	F	120x25	Ball	Wire Leads	12	.35A	70	35	2500	14.50	13.65	13.05	12.18
670-OD122512HB	OD1225PT-12HWB	F	120x25	Ball	Wire Leads	12	.45A	86	42	3000	14.50	13.65	13.05	12.18
670-OD122524HB	OD1225PT-24HWB	F	120x25	Ball	Wire Leads	24	.23A	86	42	3000	14.50	13.65	13.05	12.18
670-OD123212HB	OD1232-12HB	F	120x32	Ball	Wire Leads	12	.60A	120	48	3550	15.00	14.40	13.50	12.60
670-OD123224HB	OD1232-24HB	F	120x32	Ball	Wire Leads	24	.40A	120	48	3550	15.00	14.40	13.50	12.60
670-OD123248HB	OD1232-48HB	F	120x32	Ball	Wire Leads	48	.23A	120	48	3550	20.00	19.20	18.00	16.80
670-OD123812HTB	OD1238PT-12HTB	F	120x38	Ball	Terminal	12	.50A	108	43	3100	16.00	15.06	14.40	13.44
670-OD123812HB	OD1238PT-12HWB	F	120x38	Ball	Wire Leads	12	.50A	108	43	3100	16.00	15.06	14.40	13.44
670-OD123812MB	OD1238PT-12MWB	F	120x38	Ball	Wire Leads	12	.40A	88	33	2500	16.00	15.06	14.40	13.44
670-OD123812LB	OD1238PT-12LWB	F	120x38	Ball	Wire Leads	12	.16A	60	26	2000	16.00	15.06	14.40	13.44
670-OD123824HTB	OD1238PT-24HTB	F	120x38	Ball	Terminal	24	.26A	108	43	3000	16.00	15.06	14.40	13.44

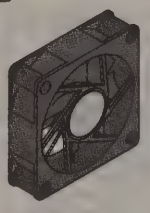
ORION CHALLENGER SERIES

- Ideal for applications where controlling costs are essential.

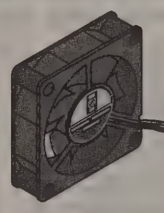
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions: mm	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OD401012HS	OD4010-12HS-C	B	40x10	Sleeve	Wire Leads	12	.09A	5.2	30	7000	4.84	4.45	4.27	4.13
670-OD402012HS	OD4020-12HS-C	B	40x20	Sleeve	Wire Leads	12	.12A	8	34	7500	4.84	4.45	4.27	4.13
670-OD602512HS	OD6025-12HS-C	E	60x25	Sleeve	Wire Leads	12	.14A	20	29	4000	4.84	4.45	4.27	4.13
670-OD802512HS	OD8025-12HS-C	E	80x25	Sleeve	Wire Leads	12	.23A	42	29	3000	4.84	4.45	4.27	4.13
670-OD922512HS	OD9225-12HS-C	E	92x25	Sleeve	Wire Leads	12	.23A	56	34	2800	4.90	4.50	4.33	4.19
670-OD123812HS	OD1238-12HS-C	F	120x38	Sleeve	Wire Leads	12	.60A	116	41	2700	10.52	9.67	9.60	8.99

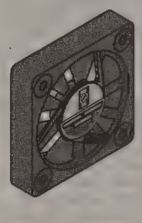
A



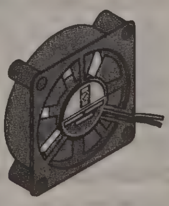
B



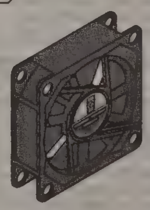
C



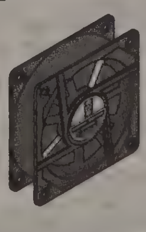
D



E



F



ORION AC Fans and Blowers

RoHS Compliant

ORION OA60 SERIES

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions (mm)	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OA60AP111WB	OA60AP-11-1WB	A	60x30	Ball	Wire Leads	110	4W	11	28	3100	14.21	13.06	12.55	12.00
670-OA60AP221WB	OA60AP-22-1WB	A	60x30	Ball	Wire Leads	220	4W	11	28	3100	14.21	13.06	12.55	12.00

ORION OA825 AND 0A80 SERIES

- Dual Ball Bearing
- Shaded Pole Motor

For quantities of 100 and up, call for quote.

670-OA825AP111TB	OA825AP-11-1TB	A	80x25	Ball	Terminal	115	9W	25	28	3000	12.00	11.30	10.80	10.08
670-OA825AP111WB	OA825AP-11-1WB	A	80x25	Ball	Wire Leads	115	9W	25	28	3000	12.00	11.30	10.80	10.08
670-OA825AP221TB	OA825AP-22-1TB	A	80x25	Ball	Terminal	230	9W	25	28	3000	12.00	11.30	10.80	10.08
670-OA825AP221WB	OA825AP-22-1WB	A	80x25	Ball	Wire Leads	230	9W	25	28	3000	12.00	11.30	10.80	10.08
670-OA80AP111TB	OA80AP-11-1TB	A	80x38	Ball	Terminal	115	12W	31	29	3000	12.00	11.30	10.80	10.08
670-OA80AP111WB	OA80AP-11-1WB	A	80x38	Ball	Wire Leads	115	12W	31	29	3000	12.00	11.30	10.80	10.08
670-OA80AP221TB	OA80AP-22-1TB	A	80x38	Ball	Terminal	230	12W	31	29	3000	12.00	11.30	10.80	10.08
670-OA80AP221WB	OA80AP-22-1WB	A	80x38	Ball	Wire Leads	230	12W	31	29	3000	12.00	11.30	10.80	10.08

ORION OA92 AND OA938 SERIES

- Dual Ball Bearing
- Shaded Pole Motor

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions (mm)	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OA92AP111TB	OA92AP-11-1TB	A	92x25	Ball	Terminal	115	13W	35	30	3000	13.32	12.54	11.99	11.19
670-OA92AP111WB	OA92AP-11-1WB	A	92x25	Ball	Wire Leads	115	13W	35	30	3000	13.00	12.24	11.70	10.92
670-OA92AP221TB	OA92AP-22-1TB	A	92x25	Ball	Terminal	230	13W	35	30	3000	13.00	12.24	11.70	10.92
670-OA92AP221WB	OA92AP-22-1WB	A	92x25	Ball	Wire Leads	230	13W	35	30	3000	13.00	12.24	11.70	10.92
670-OA938AP111TB	OA938AP-11-1TB	A	92x38	Ball	Terminal	115	9W	50	32	3100	13.50	12.71	12.15	11.34
670-OA938AP111WB	OA938AP-11-1WB	A	92x38	Ball	Wire Leads	115	9W	50	32	3100	13.50	12.71	12.15	11.34
670-OA938AP221WB	OA938AP-22-1WB	A	92x38	Ball	Wire Leads	230	9W	50	32	3100	13.50	12.71	12.15	11.34

ORION OA125 SERIES

- Dual Ball Bearing
- Shaded Pole Motor

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions (mm)	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OA125AP111TB	OA125AP-11-1TB	A	120x25	Ball	Terminal	115	13W	81	33	2900	13.50	12.71	12.15	11.34
670-OA125AP111WB	OA125AP-11-1WB	A	120x25	Ball	Wire Leads	115	13W	81	33	2900	13.50	12.71	12.15	11.34
670-OA125AP221TB	OA125AP-22-1TB	A	120x25	Ball	Terminal	230	13W	81	33	2900	13.50	12.71	12.15	11.34

ORION OA109 SERIES

- † Reverse Airflow, (AIOS)
- Dual Ball Bearing
- Shaded Pole Motor

For quantities of 100 and up, call for quote.

670-OA109AP111TB	OA109AP-11-1TB	A	120x38	Ball	Terminal	115	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP111TS	OA109AP-11-1TS	A	120x38	Sleeve	Terminal	115	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP111WB	OA109AP-11-1WB	A	120x38	Ball	Wire Leads	115	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP221TB	OA109AP-22-1TB	A	120x38	Ball	Terminal	230	15W	110	37	3000	13.50	12.71	12.15	11.34
670-OA109AP221WB	OA109AP-22-1WB	A	120x38	Ball	Wire Leads	230	15W	110	37	3000	13.50	12.71	12.15	11.34
†670-OA109AP111TBR	OA109AP-11-1TBR	A	120x38	Ball	Terminal	115	15W	99	47	3100	13.50	12.71	12.15	11.34
†670-OA109AP112TBR	OA109AP-11-2TBR	A	120x38	Ball	Terminal	115	13W	85	45	2750	13.50	12.71	12.15	11.34
†670-OA109AP221TBR	OA109AP-22-1TBR	A	120x38	Ball	Terminal	230	15W	99	47	3100	13.50	12.71	12.15	11.34

ORION OA119 SERIES

- Dual Ball Bearing
- Shaded Pole Motor

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions (mm)	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OA119AP111TB	OA119AP-11-1TB	A	127x38	Ball	Terminal	115	12W	130	48	3000	24.50	23.07	22.05	20.58
670-OA119AP111WB	OA119AP-11-1WB	A	127x38	Ball	Wire Leads	115	12W	130	48	3000	24.50	23.07	22.05	20.58
670-OA119AP221TB	OA119AP-22-1TB	A	127x38	Ball	Terminal	230	12W	130	48	3000	24.50	23.07	22.05	20.58
670-OA119AP221WB	OA119AP-22-1WB	A	127x38	Ball	Wire Leads	230	12W	130	48	3000	24.50	23.07	22.05	20.58

ORION OA172SAPL AND OA172SAP SERIES

- Dual Ball Bearing Only
- Shaded Pole Motor

For quantities of 100 and up, call for quote.

670-OA172SAPL111TB	OA172SAPL-11-1TB	B	172x150x38	Ball	Terminal	115	28W	220	58	3400	37.00	34.84	33.30	31.08
670-OA172SAPL221TB	OA172SAPL-22-1TB	B	172x150x38	Ball	Terminal	230	28W	220	58	3400	37.00	34.84	33.30	31.08
670-OA172SAP111TB	OA172SAP-11-1TB	B	172x150x51	Ball	Terminal	115	35W	235	46	3500	38.00	36.22	34.20	31.92
670-OA172SAP111WB	OA172SAP-11-1WB	B	172x150x51	Ball	Wire Leads	115	35W	235	46	3500	38.00	36.22	34.20	31.92
670-OA172SAP221TB	OA172SAP-22-1TB	B	172x150x51	Ball	Terminal	230	35W	235	46	3500	38.00	36.22	34.20	31.92
670-OA172SAP221WB	OA172SAP-22-1WB	B	172x150x51	Ball	Wire Leads	230	35W	235	46	3500	38.00	36.22	34.20	31.92

ORION XC SERIES (SUPER HIGH SPEED)

- Dual Ball Bearing
- Dual Capacitor

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Dimensions (mm)	Bearing Type	Termination	Voltage	Pwr	Air Flow (CFM)	Noise (dB)	Speed (RPM)	Price Each			
											1	10	25	50
670-OA109AP111TBXC	OA109AP-11-1TBXC	A	120x38	Ball	Terminal	120	22W	131	47	3300	15.26	14.03	13.48	13.04
670-OA109AP221TBXC	OA109AP-22-1TBXC	A	120x38	Ball	Terminal	230	21W	131	47	3300	15.26	14.03	13.48	13.04
670-OA172SAP111TBXC	OA172SAP-11-1TBXC	B	172x150x51	Ball	Terminal	120	50W	300	61	3300	44.21	40.64	39.07	37.78
670-OA172SAP221TBXC	OA172SAP-22-1TBXC	B	172x150x51	Ball	Terminal	230	50W	300	61	3300	44.21	40.64	39.07	37.78
670-OA254AN111TB	OA254AN-11-1TBXC	C	254x89	Ball	Terminal	120	70W	850	65	3000	63.15	58.06	55.81	53.97
670-OA254AN221TB	OA254AN-22-1TBXC	C	254x89	Ball	Terminal	230	70W	850	65	3000	63.15	58.06	55.81	53.97

ORION OA162 SERIES

- Dual Ball Bearing
- Shaded Pole Motor

For quantities of 100 and up, call for quote.

670-OA1625E115WB	OA162-5E-115WB	D	172x150x55	Ball	Wire Leads	115	37W	230	52	3000	33.24	30.56	29.38	29.00
670-OA1625E230WB	OA162-5E-230WB	D	172x150x55	Ball	Wire Leads	230	37W	230	52	3000	38.95	35.81	34.41	33.28

ORION OA4715 CHALLENGER SERIES

- Sealed Dual Ball Bearing

For quantities of 100 and up, call for quote.

670-OA4715-12TB	OA4715-12TB	E	120x38	Ball	Terminal	110	20W	105	43	3000	10.52	9.67	9.30	8.99
670-OA4715-23TB	OA4715-23TB	E	120x38	Ball	Terminal	220	20W	105	43	3000	10.52	9.67	9.30	8.99

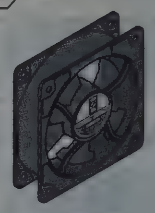
ORION OAB800 AND OAB908 SERIES AC BLOWERS

*Dual Speed (High and Low)

For quantities of 100 and up, call for quote.

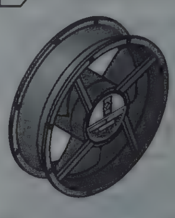
670-OAB800AN111B	OAB800AN-11-1B	F	126x40	Ball	Wire Leads	115	18W	30	48	2800	23.00	22.08	20.70	19.32
*670-OAB908AN1112	OAB908AN-11-1/2	G	190x70	Ball	Wire Leads	115	65W	250	68	3100	79.50	76.32	71.55	66.78

A



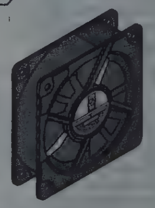
B

C



D

E



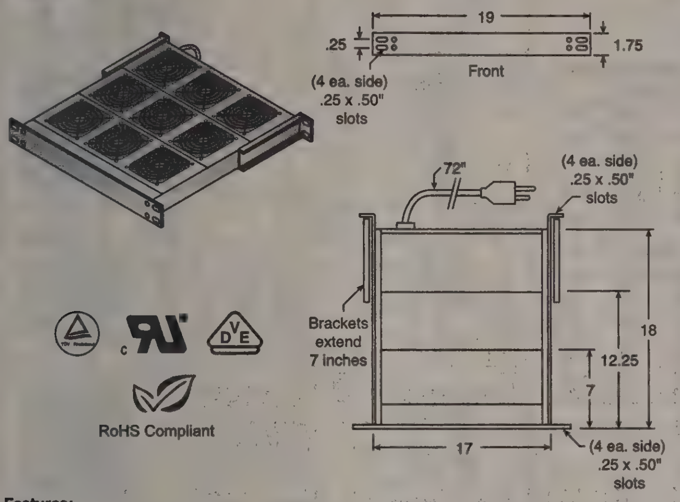
F

G

ORION Fan Trays and Fan Accessories

THERMALCARE™ FAN TRAY ASSEMBLIES

DIMENSIONS: in.



RoHS Compliant

Features:

- Life expectancy: 60,000 hour ball bearing fans
- Hardware: E-Z mount clip nuts and hardware to facilitate rapid installation
- Configuration: "Add A Module" feature permits the easy addition of up to 6 fans to the basic 3 fan tray should more cooling be required
- Frame: Heavy duty steel construction with extruded aluminum side rails to facilitate changes in fan configuration
- Options: "Short Tray" configurations available with dual voltage selector and lighted on/off rocker

Factory Drop Ship Only **For quantities 10 and up, call for quote.**

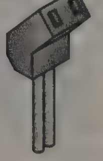
MOUSER STOCK NO.	Orion Part No.	Voltage	Air Flow (CFM)	Price Each	
				1	5
670-OA300	OA300	115VAC	330	175.00	150.00
670-OA900	OA900	115VAC	990	375.00	350.00
670-OD30048	OD300-48	48VDC	330	195.00	183.60

ORION FAN Trays are available from stock as 3 position, 6 position, or 9 position units. **330CFM = 3 fans installed, 660CFM = 6 fans installed, and 990CFM = 9 fans installed.** Ultra-quiet fan trays are available with medium or low speed fans substituted for high speed fans (minimums may apply).

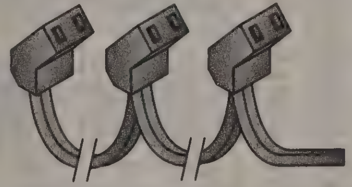
FAN CORDS

RoHS Compliant

A



B



For use with Orion AC/DC fans with terminal type termination.

- 90°, Straight head, 90° "T" styles also available

45° Single Connector

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Fig.	Lead length (in.)	Price Each			
				1	25	50	100
670-C4512	C45-12	A	12	1.25	1.13	1.05	.98
670-C4524	C45-24	A	24	1.40	1.26	1.18	1.09
670-C4536	C45-36	A	36	1.58	1.49	1.39	1.29
670-C4548	C45-48	A	48	1.90	1.79	1.63	1.50
* 670-C4548P	C45-48P	A	48	3.25	3.02	2.78	2.55

* NEMA 1-15P type plug

45° Daisy Chains

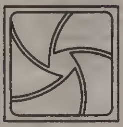
- Each head separated by 12" of cord and 24" lead.

For quantities 200 and up, call for quote.

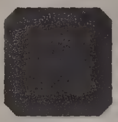
MOUSER STOCK NO.	Orion Part No.	Fig.	Number of Heads	Price Each			
				1	25	50	100
670-C452DC	C45-2DC	B	2	2.40	2.26	2.06	1.89
670-C452DCP	C45-2DCP	B	2 w/plug	3.20	3.02	2.75	2.52
670-C453DC	C45-3DC	B	3	3.41	3.25	2.86	2.65
670-C456DC	C45-6DC	B	6	5.40	5.16	4.54	4.21
670-C459DC	C45-9DC	B	9	6.40	6.03	5.74	5.53

FILTER KITS

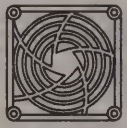
RoHS Compliant



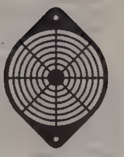
RETAINER
- Plastic 94V-0
- Easy to install, no need to remove fan or guard
- Designed for low air resistance



MEDIA
- PU foam 30 or 45 PPI
- Easy to clean and change
- Reduces external fan noise



GUARD
- Plastic 94V-0
- UL .25 spacing (63mm)
- Decreases noise level



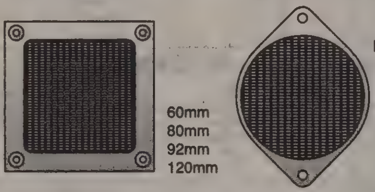
GUARD/RETAINER MEDIA
- Plastic 94V-0
- UL .25 spacing (63mm)
- Use on fans with dia. of 172mm

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Corresponding Fan Size	Price Each			
			1	25	50	100
670-GRM4030	GRM40-30	40mm	1.30	1.22	1.17	1.09
670-GRM4045	GRM40-45	40mm	1.30	1.22	1.17	1.09
670-GRM6030	GRM60-30	60mm	1.50	1.41	1.35	1.26
670-GRM6045	GRM60-45	60mm	1.50	1.41	1.35	1.26
670-GRM8030	GRM80-30	80mm	1.70	1.60	1.53	1.43
670-GRM8045	GRM80-45	80mm	1.70	1.60	1.53	1.43
670-GRM9230	GRM92-30	92mm	2.00	1.88	1.80	1.68
670-GRM9245	GRM92-45	92mm	2.00	1.88	1.80	1.68
670-GRM12030	GRM120-30	120mm	2.35	2.21	2.12	1.97
670-GRM12045	GRM120-45	120mm	2.35	2.21	2.12	1.97
670-GRM17245	GRM172-45	172mm	2.85	2.74	2.57	2.39

ALUMINUM FAN FILTERS

RoHS Compliant



For quantities 200 and up, call for quote.

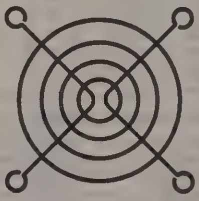
MOUSER STOCK NO.	Orion Part No.	Corresponding Fan Size	Price Each			
			1	25	50	100
670-WMG60M	WMG60M	60mm	3.25	3.07	2.93	2.73
670-WMG80M	WMG80M	80mm	3.00	2.85	2.70	2.56
670-WMG92M	WMG92M	92mm	3.50	3.29	3.15	2.94
670-WMG120M	WMG120M	120mm	4.00	3.80	3.61	6.42
670-WMG172M	WMG172M	172mm	5.50	5.18	4.95	4.62

Standard Wire Mesh Guards are unfinished, however, all are also available in gold, chrome, or black anodized finishes. Please contact Mouser Sales for color options. Minimums may apply.

WIRE FORM FAN GUARDS

RoHS Compliant

Features:
- Steel wire
- Electroplated nickel chrome
- Black finish available
- Welded joints
- Withstands minimum 220 lbs separation force to meet UL, CSA standards



* Black Finish

For quantities 200 and up, call for quote.

MOUSER STOCK NO.	Orion Part No.	Corresponding Fan Size	Price Each			
			1	25	50	100
670-G402	G40-2	40mm	.54	.51	.48	.46
670-G604	G60-4	60mm	.54	.51	.48	.46
670-G8018	G80-18	80mm	.75	.71	.67	.64
670-G9216	G92-16	92mm	.75	.71	.67	.64
* 670-G9216B	G92-16B	92mm	1.00	.95	.90	.85
670-G10915A	G109-15A	120mm	.85	.80	.76	.72
* 670-G10915AB	G109-15AB	120mm	1.10	1.04	.98	.93
670-G17210HA	172-10HA	172mm	2.20	2.07	1.98	1.85
670-G25410P	G254-10P	254mm	3.50	3.30	3.15	2.94

Standard wire form guards are nickel-chrome however all are available in black anodized or gold finishes for an additional charge. Please specify finish when ordering. Minimums may apply.

QUALTEK Fan Accessories

FAN SILENCERS

For fast and screwless fan fastening without vibration to the housing. With the patented rubber elastic sleeves you fasten axial fans without screws, quickly and safe with four mushroom formed pegs on a mounting plate or a housing wall.

RoHS Compliant

Features:
- Eliminates transmission of vibration from the fan to the housing and reduces noise up to 9dB.
- Fast, simple, and safe screwless mounting and remounting from fans
- Labor saving device with less mounting costs through shorter mounting times
- Protects the fan against vibrations and thus increases the life

Specifications:
- Material: TPE (Thermoplastic Elastomer)
- Color: Black
- Hardness: ca.70° Shore A
- Fire Resistance: UL94-V-O

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Fits Fan Size	Price Each			
				1	25	50	100
562-QLM-40	QLM-40	A	40mm	2.40	2.25	2.16	2.04
562-QLM-60	QLM-60	A	60mm	2.79	2.61	2.50	2.37
562-QLM-80	QLM-80	A	80mm	3.21	3.01	2.89	2.73
562-QLM-90	QLM-92	A	90mm	3.64	3.41	3.27	3.09
562-QLM-120	QLM-119	A	120mm	4.22	3.95	3.79	3.58

Accessories

For quantities of 200 and up, call for quote.

Finger Guards							
562-QSG-40-01	QSG-40-01	B	40mm, width = 42.0mm	.98	.88	.80	.74
562-QSG-60-01	QSG-60-01	B	60mm, width = 62.0mm	1.20	1.07	.98	.91
562-QSG-80-01	QSG-80-01	B	80mm, width = 82.0mm	1.28	1.16	1.05	.97
562-QSG-92-01	QSG-92-01	B	90mm, width = 94.0mm	1.36	1.21	1.11	1.03
562-QSG-119-01	QSG-119-01	B	120mm, width = 121.0mm	1.82	1.62	1.49	1.38
562-QSG-92-02	QSG-92-02	B	90mm, width = 101.0mm	1.36	1.21	1.11	1.03
562-QSG-119-02	QSG-119-02	B	120mm, width = 128.0mm	1.82	1.62	1.49	1.38
Finger Guard Pins							
562-QN-36-110	QN-36-110	C	–	.36	.33	.30	.27
Filter Media							
562-QF-40	QF-40	D	40mm	.50	.43	.37	.33
562-QF-60	QF-60	D	60mm	.58	.46	.40	.37
562-QF-80	QF-80	D	80mm	.65	.53	.47	.43
562-QF-92	QF-92	D	90mm	.68	.56	.49	.45
562-QF-119	QF-119	D	120mm	.74	.56	.53	.45
EMI Filter Shields							
562-QSB-40	QSB-40	E	40mm	1.37	1.13	1.02	.91
562-QSB-60	QSB-60	E	60mm	1.53	1.25	1.14	1.02
562-QSB-80	QSB-80	E	80mm	1.87	1.75	1.56	1.47
562-QSB-92	QSB-92	E	90mm	2.20	1.75	1.56	1.47
562-QSB-119	QSB-119	E	120mm	3.19	2.81	2.50	2.13

WIRE FORM FAN GUARDS - 08 SERIES

For use with tubeaxial fans. 1/4" maximum ring spacing design was developed to assist our customers in complying with domestic and international safety agency requirements.

Specifications:
- Over wire dia. at butt joints: .010 max.
- Depth of serrations: .015 max.
- Thickness of nickel chrome plating: .005 min.
- Tolerance: ±.03"

Features:
- C1010 basic wire
- Weld joints withstand 220 lbs. minimum separation force

†Black

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Fits Fan Size	Dimensions (mm)			Price Each			
				A	B	C	1	25	50	100
562-08149	08149	F	40mm	29.1	32.0	4.80	.58	.51	.45	.40
562-08248	08248	G	50mm	41.6	40.0	4.80	.89	.86	.85	.83
562-08147	08147	H	60mm	53.1	50.0	4.95	.71	.64	.56	.52
†562-08147-02	08147-02	H	60mm	53.1	50.0	4.95	.86	.81	.76	.71
562-08132	08132	H	80mm	76.2	71.5	4.95	.67	.65	.63	.60
562-08153	08153	I	80mm	76.9	71.37	3.89	.86	.76	.66	.59
562-08172	08172	H	80mm	76.2	71.4	4.95	.84	.75	.65	.58
562-08134	08134	J	92mm	89.4	82.5	4.95	.86	.81	.77	.73
562-08174	08174	J	92mm	89.4	82.4	4.95	.90	.79	.68	.63
562-08128	08128	K	120mm	115.6	104.9	7.11	1.83	1.72	1.49	1.38
562-08129	08129	L	120mm	115.6	104.9	3.75	1.25	1.09	1.00	.92
562-08130	08130	L	120mm	115.6	104.9	5.66	.95	.79	.71	.62
562-08170	08170	L	120mm	115.6	104.8	5.66	.88	.77	.66	.59
562-08141	08141	M	120mm	117.3	104.8	5.21	1.65	1.46	1.26	1.14
562-08146	08146	N	120mm	109.5	104.8	4.83	1.07	.95	.83	.77
562-08125	08125	O	150mm	154.4	161.9	6.45	2.36	2.17	2.00	1.85
562-08126	08126	P	150mm	154.4	161.9	6.45	2.25	2.07	1.90	1.78
562-08127	08127	Q	254mm	222.3	174.00	6.35	3.75	3.65	3.60	3.57
562-08154	08154	R	254mm	209.6	174.00	8.35	2.72	2.50	2.39	2.18

PLASTIC FAN GUARDS - 09 SERIES

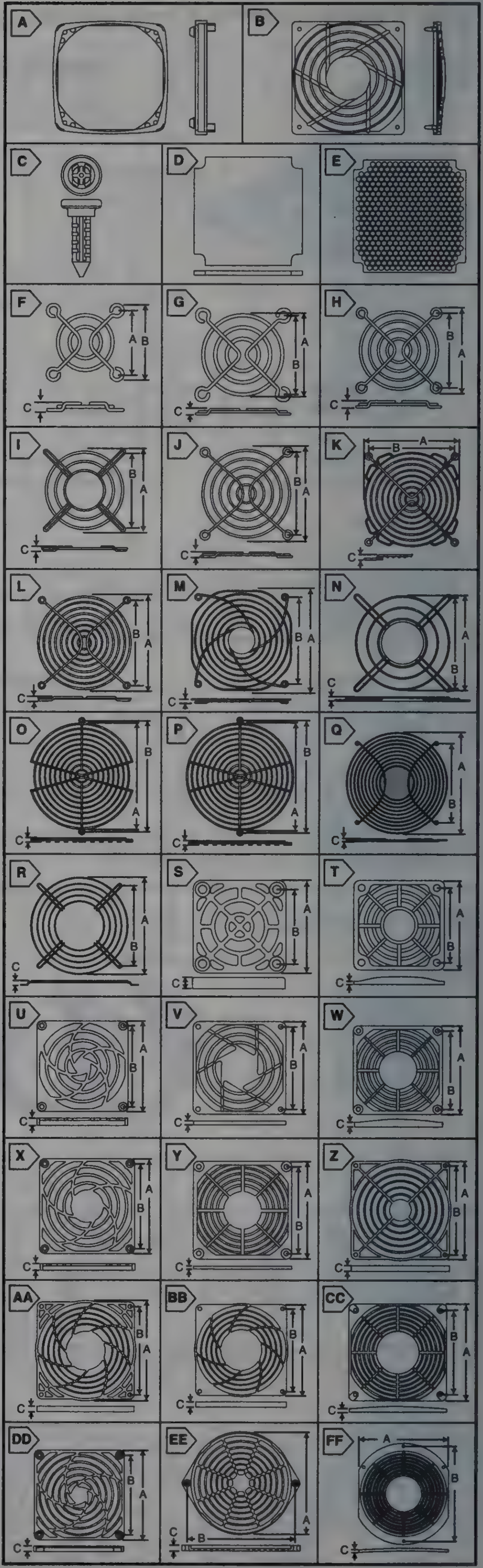
The 09 Series low cost plastic fan guards, produced with UL 94-V0 material are designed for tubeaxial fans with design considerations given to maximize airflow with reduced noise levels.

Features:
- Decreased noise level due to design
- Withstands high impact

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Fits Fan Size	Mounting Hole	Dimensions (mm)			Price Each			
					A	B	C	1	25	50	100
562-09150G	09150-G	S	40mm	1.26	39.87	32.0	4.75	.55	.51	.47	.45
562-09250G	09250-G	S	60mm	1.97	59.94	50.0	6.35	.49	.42	.39	.37
562-09252-G	09252-G	T	60mm	1.96	60.00	50.00	7.00	.66	.61	.58	.56
562-09325G	09325-G	U	80mm	2.81	80.0	71.37	6.60	.71	.60	.54	.48
562-09080-G	09080-G	V	80mm	2.81	79.96	71.4	3.04	.61	.56	.51	.49
562-09081-G	09081-G	W	80mm	2.81	80.00	71.50	7.00	.85	.77	.74	.71
562-09362G	09362-G	X	92mm	3.25	91.95	82.55	6.35	.78	.65	.59	.53
562-09363G	09363-G	Y	92mm	3.245	92.0	82.5	7.0	1.72	1.56	1.49	1.43
562-09120-G	09120-G	Z	120mm	4.13	115.1	104.8	6.60	.85	.78	.71	.68
562-09121	09121-G	AA	120mm	4.13	115.1	104.8	6.60	.93	.86	.79	.76
562-09122	09122-G	BB	120mm	4.12	115.1	104.8	6.60	.90	.83	.75	.72
562-09123-G	09123-G	CC	120mm	4.13	120.0	105.0	7.0	1.16	1.06	1.01	.97
562-09450G	09450-G	DD	120mm	4.13	118.11	104.92	7.11	.90	.74	.67	.59
562-09650G	09650-G	EE	150mm	6.38	176.5	161.8	9.91	1.42	1.39	1.36	1.34
562-09651G	09651-G	FF	150mm	6.37	176.5	161.8	7.5	1.86	1.69	1.60	1.55



QUALTEK Fan Accessories

PLASTIC FAN FILTER ASSEMBLIES

Guard:
- UL Listed 94V-0 material
- Decreased noise level due to design
- Withstands high impact

Media:
- Helps reduce external fan noise
- Easily cleaned by vacuuming or washing with most soaps, detergents, or cleaning solvents

Retainer:
- UL Listed 94V-0 material
- Designed for minimal air restriction

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Fits Fan Size	Description	Dimensions: mm			Price Each			
					A	B	C	1	25	50	100
562-09150F30	09150-F/30	A	40mm	Guard, retainer,media (30 PPI)	39.88	32.0	4.83	1.32	1.18	1.10	1.00
562-09150F45	09150-F/45	A	40mm	Guard, retainer, media (45 PPI)	39.88	32.0	4.83	1.32	1.18	1.10	1.00
562-09150M45	09150-M/45	A	40mm	Foam media (45 PPI) (5 per pkg)	32.77	- - -	2.29	2.33	2.03	1.86	1.73
562-09150G	09150-G	A	40mm	Plastic guard	39.87	32.0	4.75	.55	.51	.47	.45
562-09150R	09150-R	A	40mm	Retainer only	36.3	- - -	1.02	.60	.50	.40	.32
562-09250F30	09250-F/30	A	60mm	Guard, retainer,media (30 PPI)	59.94	50.0	6.35	1.47	1.27	1.17	1.09
562-0925045	09250-F/45	A	60mm	Guard, retainer,media (45 PPI)	59.94	50.0	6.35	1.47	1.27	1.17	1.09
562-09250M30	09250-M/30	A	60mm	Foam media (30 PPI) (5 per pkg)	55.88	- - -	2.79	2.50	2.15	1.99	1.85
562-09250M45	09250-M/45	A	60mm	Foam media (45 PPI) (5 per pkg)	55.88	- - -	2.79	2.50	2.15	1.99	1.85
562-09250G	09250-G	A	60mm	Plastic guard only	59.94	50.0	6.35	.49	.42	.39	.37
562-09250R	09250-R	A	60mm	Retainer only	56.6	- - -	3.3	.49	.42	.39	.37
562-09325F30	09325-F/30	A	80mm	Guard, retainer,media (30 PPI)	83.57	71.37	9.91	1.48	1.25	1.14	1.02
562-0932545	09325-F/45	A	80mm	Guard, retainer, media (45 PPI)	83.57	71.37	9.91	1.48	1.25	1.14	1.02
562-09325M30	09325-M/30	A	80mm	Foam media (30 PPI) (5 per pkg)	77.72	- - -	3.81	1.72	1.47	1.34	1.28
562-09325M45	09325-M/45	A	80mm	Foam media (45 PPI) (5 per pkg)	77.72	- - -	3.81	1.72	1.47	1.34	1.28
562-09325G	09325-G	A	80mm	Plastic guard only	80.0	71.37	6.60	.71	.60	.54	.48
562-09325R	09325-R	A	80mm	Retainer only	83.6	- - -	9.91	.64	.58	.55	.51
562-09362F30	09362-F/30	B	92mm	Guard, retainer,media (30 PPI)	96.52	82.55	9.91	1.89	1.61	1.46	1.32
562-0936245	09362-F/45	B	92mm	Guard, retainer,media (45 PPI)	96.52	82.55	9.91	1.89	1.61	1.46	1.32
562-09362M30	09362-M/30	B	92mm	Foam media (30 PPI) (5 per pkg)	89.92	- - -	3.30	2.63	2.23	2.03	2.00
562-09362G	09362-G	B	92mm	Plastic guard only	91.95	82.55	6.35	.78	.65	.59	.53
562-09362M45	09362-M/45	B	92mm	Foam media (45 PPI) (5 per pkg)	89.92	- - -	3.30	2.63	2.23	2.03	2.00
562-0945030	09450-F/30	B	120mm	Guard, retainer, media (30 PPI)	123.7	104.9	10.67	2.19	1.84	1.66	1.45
562-0945045	09450-F/45	B	120mm	Guard, retainer, media (45 PPI)	123.7	104.9	10.67	2.15	1.78	1.61	1.45
562-09450M30	09450-M/30	B	120mm	Foam media (30 PPI) (5 per pkg)	115.57	- - -	3.30	2.20	1.79	1.62	1.43
562-09450M45	09450-M/45	B	120mm	Foam media (45 PPI) (5 per pkg)	115.57	- - -	3.30	2.20	1.79	1.62	1.43
562-09450G	09450-G	B	120mm	Plastic guard only	118.11	104.92	7.11	.90	.74	.67	.59
562-09450R	09450-R	B	120mm	Retainer only	123.7	- - -	10.67	.90	.74	.67	.63
562-09650-F30	09650-F/30	C	150mm	Guard, retainer, media (30 PPI)	176.5	161.8	9.91	3.06	2.98	2.90	2.85
562-09650-F45	09650-F/45	C	150mm	Guard, retainer, media (45 PPI)	176.5	161.8	9.91	3.06	2.98	2.90	2.85
562-09650-M30	09650-M/30	C	150mm	Foam, media (30PPI)	176.5	161.8	9.91	3.06	2.98	2.90	2.85
562-09650-M45	09650-M/45	C	150mm	Foam, media (45PPI)	149.86	- - -	3.3	3.06	2.98	2.90	2.85
562-09650G	09650-G	C	150mm	Guard only	176.5	161.8	9.91	1.42	1.39	1.36	1.34
562-09650R	09650-R	C	150mm	Retainer only	150	- - -	4.5	1.42	1.39	1.36	1.34

FAN FILTERS

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Qualtek Part No.	Fig.	Fits Fan Size	Filter	Dimensions: mm			Price Each			
					A	B	C	1	25	50	100
562-06250-B	06250-B	D	60mm	Anodized (Black)	63.50	49.53	3.50	4.04	3.71	3.60	3.42
562-06250-M	06250-M	D	60mm	Mill (No Finish)	63.50	49.53	3.50	3.27	3.00	2.80	2.77
562-06250-C	06250-C	D	60mm	Irridite (Clear)	63.50	49.53	3.50	4.04	3.71	3.60	3.42
562-06250S	06250-SS	D	60mm	Stainless Steel	59.94	50.04	4.45	5.35	4.85	4.35	4.12
562-06325M	06325-M	D	80mm	Unfinished 3 1/8"	83.06	71.37	4.45	3.27	3.10	2.78	2.63
562-06325B	06325-B	D	80mm	Black anodized 3 1/8"	83.06	71.37	4.45	4.26	3.87	3.47	3.27
562-06325C	06325-C	D	80mm	Clear coat 3 1/8"	83.06	71.37	4.45	4.26	3.87	3.47	3.27
562-06325S	06325-SS	D	80mm	Stainless Steel	83.82	71.37	4.45	6.25	5.65	5.05	4.75
562-06362M	06362-M	D	92mm	Unfinished 3 1/8"	91.95	82.42	4.45	3.64	3.45	3.10	2.92
562-06362B	06362-B	D	92mm	Black anodized 3 1/8"	91.95	82.42	4.45	4.81	4.45	3.85	3.70
562-06362C	06362-C	D	92mm	Clear coat 3 1/8"	91.95	82.42	4.45	4.81	4.45	3.85	3.70
562-06362S	06362-SS	D	92mm	Stainless Steel	91.95	82.42	4.45	5.65	5.05	4.60	4.47
562-06450C	06450-C	D	119mm	Unfinished 4 1/2"	118.87	104.78	4.45	5.43	4.94	4.45	3.94
562-06450B	06450-B	D	120mm	Black anodized 4 1/2"	118.87	104.78	4.45	5.43	4.94	4.45	3.94
562-06450M	06450-M	D	120mm	Clear coat 4 1/2"	118.87	104.78	4.45	4.20	3.81	3.43	3.04
562-06450S	06450-SS	D	120mm	Stainless Steel	118.87	104.78	4.45	8.50	7.71	6.90	6.69

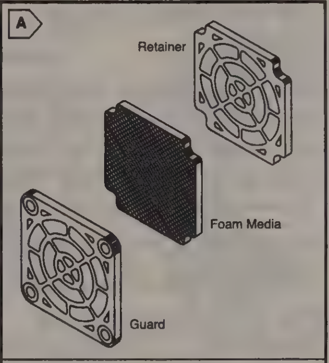
FAN POWER CORDS

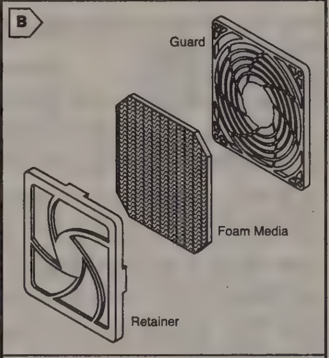
Fan-S offers four configurations of high quality fan power cords designed to be used with tubeaxial fans with a strain relief for added safety. Can be used with all AC fans using .110" x .020" faston standard terminals w/ .3125" spacing. Temperature rating: 105°C (max).

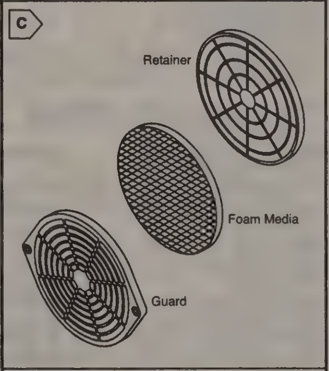
RoHS Compliant

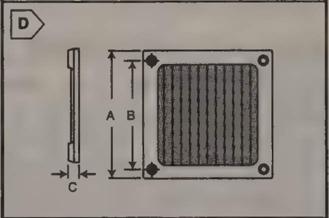
For quantities of 200 and up, call for quote.

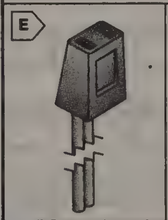
MOUSER STOCK NO.	Qualtek Part No.	Fig.	Plug Style	Cord Length	Price Each			
					1	25	50	100
562-07100-12	07100-12	E	Straight	12 inches	.96	.86	.75	.67
562-07100-24	07100-24	E	Straight	24 inches	1.09	.98	.91	.83
562-07100-36	07100-36	E	Straight	36 inches	1.28	1.16	1.03	.96
562-07100-50	07100-50	E	Straight	50 inches	1.53	1.39	1.25	1.15
562-07100-72	07100-72	E	Straight	72 inches	1.98	1.79	1.61	1.50
562-07100-SP72	07100-SPO72	E	Straight	72 inches w/NEMA 115 plug	2.60	2.36	2.15	2.05
562-07145-12	07145-12	F	45°	12 inches	.96	.86	.75	.67
562-07145-24	07145-24	F	45°	24 inches	1.09	.98	.91	.83
562-07145-36	07145-36	F	45°	36 inches	1.11	1.03	1.01	.99
562-07145-60	07145-60	F	45°	60 inches	2.14	1.99	1.87	1.76
562-07145-SP36	07145-SPO36	F	45°	36 inches w/NEMA 115 plug	2.78	2.54	2.33	2.22
562-07145-SP72	07145-SPO72	F	45°	72 inches w/NEMA 115 plug	2.78	2.54	2.33	2.22
562-07190-12	07190-12	G	90°	12 inches	.96	.86	.75	.67
562-07190-24	07190-24	G	90°	24 inches	1.09	.98	.91	.83
562-07190-36	07190-36	G	90°	36 inches	1.37	1.32	1.22	1.15
562-07190-SP72	07190-SPO72	G	90°	72 inches	2.77	2.53	2.32	2.23
562-07199-12	07199-12	H	T-Type	12 inches	.97	.86	.84	.76
562-07199-24	07199-24	H	T-Type	24 inches	1.09	.98	.91	.83
562-07199-36	07199-36	H	T-Type	36 inches	1.28	1.16	1.03	.96
562-07199-72	07199-72	H	T-Type	72 inches	1.43	1.25	1.07	.96

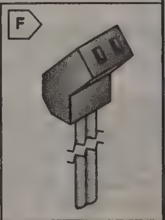


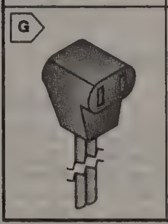


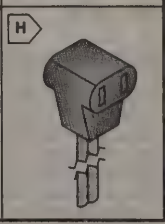












AAVID THERMALLOY Heat Sinks

FOR TO-3 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions: in.			Price Each			
				L	W	H	1	10	100	500
532-579103B00	A	Space saving, expandable collar	12.5	1.540	1.125	0.870	.81	.72	.61	.57
532-579103C00G	A	Gold chromate, space saving	12.5	1.540	1.125	0.870	.70	.62	.52	.44
532-575703B00	B	Space saving, slanted fin basket	13.4	1.630	1.290	0.750	.82	.73	.62	.53
532-501303B00	C	Space saving, minimal board space	12.0	1.880	1.400	0.500	.74	.66	.56	.50
532-501403B00	C	Space saving, minimal board space	10.0	1.880	1.400	0.750	.78	.70	.59	.52
532-501503B00	C	Space saving, minimal board space	8.4	1.880	1.400	1.000	1.09	.97	.83	.70
532-501603B00	C	Space saving, minimal board space	7.8	1.880	1.400	1.250	1.10	.97	.82	.70
532-500403B00	D	Slanted fins for efficient cooling	5.0	1.810	1.810	1.250	2.04	1.84	1.60	1.49
532-568303B00	E	Natural or forced air cooling	5.4	1.810	1.810	1.250	4.27	3.79	3.23	2.95
532-569003B00	F	Fold-back fins for maximum surface	5.5	1.830	1.830	1.310	1.23	1.09	.93	.79
532-506007B00	G	Universal hole pattern, low profile	7.0	2.000	1.750	0.375	.88	.78	.66	.59

FOR TO-66 CASE STYLES

For quantities greater than listed, call for quote.

532-569006B00	F	Fold-back fins for maximum surface	5.4	1.830	1.830	1.310	1.41	1.25	1.06	.95

FOR TO-5 AND TO-39 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions: in.			Price Each			
				L	W	H	1	10	100	500
532-322505B00	H	Space saver, easy installation	40.0	0.750	0.750	0.400	2.09	1.85	1.57	1.33
532-322805B00	H	Three finned for increased performance	40.0	0.875	0.875	0.531	2.44	2.26	2.15	2.05
532-323005B00	I	Finned for maximum thermal cooling	56.0	0.750	0.750	0.250	.95	.84	.72	.64
532-578305B00	J	Snap-on cooler for easy assembly	35.0	0.750	0.830	0.395	.28	.25	.22	.20

FOR TO-18 AND TO-92 CASE STYLES

For quantities greater than listed, call for quote.

532-322400B00	K	Space saver, easy installation	100.0	0.500	0.500	0.235	1.10	.98	.83	.70

FOR TO-92 CASE STYLES

For quantities greater than listed, call for quote.

532-575200B00	L	Slip-on, low cost, minimum space	60.0	- - - -	0.602	0.720	.31	.26	.23	.21

FOR TO-126 AND TO-127 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions: in.			Price Each			
				L	W	H	1	10	100	500
532-577500B00	M	Vertical mount for easy assembly	26.0	0.520	0.775	0.320	.31	.26	.23	.21
532-507302B00	N	Economy, low profile	24.0	0.750	0.750	0.375	.31	.29	.27	.25

FOR TO-202 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions: in.			Price Each			
				L	W	H	1	10	100	500
532-576904B00	O	Trim, low profile, minimum space	32.0	0.750	0.520	0.250	.27	.24	.20	.17
532-577304B00	O	Trim, low profile, minimum space	27.2	0.750	0.520	0.375	.26	.23	.20	.18
532-577404B00	O	Trim, low profile, minimum space	24.0	0.750	0.520	0.500	.26	.23	.20	.18
532-574204B00	P	Clip-on cooler for easy assembly	16.8	0.390	1.020	0.900	.45	.40	.35	.30
532-531002B25G	Q	Extruded for HD application, solid pins	13.4	0.500	1.380	1.000	1.06	.94	.80	.68
532-531102B00	Q	Extruded for HD application, no pins	10.4	0.500	1.380	1.500	1.06	.94	.80	.68
532-531102B25G	Q	Extruded for HD application, solid pins	10.4	0.500	1.380	1.500	1.12	1.00	.84	.72
532-531202B00	Q	Extruded for HD application, no pins	7.5	0.500	1.380	2.000	1.19	1.06	.90	.77
532-531202B25G	Q	Extruded for HD application, solid pins	7.5	0.500	1.380	2.000	1.22	1.08	.91	.78
532-531302B25	Q	Extruded for HD application, solid pins	8.0	0.500	1.380	2.500	1.28	1.14	.97	.87

FOR TO-218 CASE STYLES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions: in.			Price Each			
				L	W	H	1	10	100	500
532-530101B15G	R	Versatile high rise, twisted fins	6.3	0.500	1.750	1.750	1.54	1.37	1.16	.98
532-530401B15	S	Versatile high rise, staggered fins	6.3	0.750	1.750	1.750	1.54	1.37	1.16	.98
532-513102B25	T	Solder pins for solder mounting	11.0	0.500	1.380	1.500	.96	.85	.73	.62
532-529801B25G	U	Solder pins for solder mounting	3.7	1.000	1.650	1.500	1.38	1.22	1.03	.88
532-592201B03400G	V	Clip-on with fold back fins	6.8	0.470	1.950	1.970	1.05	.93	.78	.72

FOR MULTIWATT CASE STYLES

For quantities greater than listed, call for quote.

532-566010B03400G	W	Vertical mount, slide-on with tabs	11.5	1.000	0.500	1.220	1.25	1.11	.94	.80

FOR SURFACE MOUNT CASE STYLES

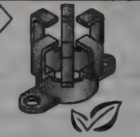
For quantities greater than listed, call for quote.

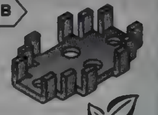
MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions: in.			Price Each			
				L	W	H	1	10	100	500
532-573100D00010G	X	D-Pak/ TO-252, hi-cond. Copper	15.0	0.315	0.900	0.400	.69	.61	.52	.44
532-573400D10G	X	D^{3}Pak/ TO-268, hi-cond. Copper	14.0	0.500	1.220	0.400	.69	.63	.55	.50
532-7109DG	Y	D^{2}Pak/ TO-263, hi-cond. Copper	11.0	0.763	1.000	0.450	1.07	.96	.83	.77

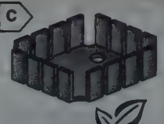
FOR DIP PACKAGES

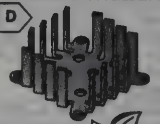
For quantities greater than listed, call for quote.

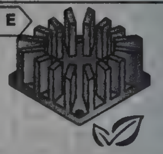
MOUSER STOCK NO.	Fig.	Description	Ther Res (°C/W)	Dimensions: in.			Price Each			
				L	W	H	1	10	100	500
532-580200B00	Z	Low cost for 14/16 pin plastic DIP pkgs	20.0	0.837	0.600	0.410	.35	.31	.26	.24
532-580500B00	Z	Low cost for 24 pin DIP packages	20.0	1.460	1.008	0.580	.62	.55	.46	.39
532-580700B00	Z	Low cost for 40 pin DIP packages	22.0	2.256	0.980	0.590	.67	.59	.50	.43
532-501100B00	AA	Glue-on for 14/16 pin DIP packages	67.0	0.750	0.250	0.190	.55	.49	.42	.39
532-501200B00	BB	Glue-on for 14/16 pin DIP packages	68.0	0.730	0.250	0.190	.59	.52	.44	.41

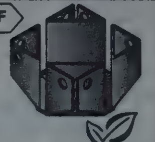
A

RoHS Compliant

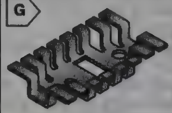
B

RoHS Compliant

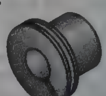
C

RoHS Compliant

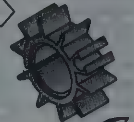
D

RoHS Compliant

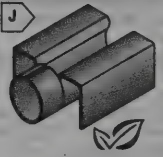
E

RoHS Compliant

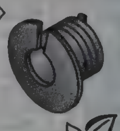
F

RoHS Compliant

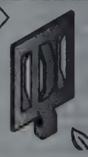
G

RoHS Compliant

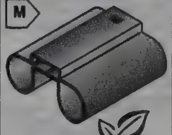
H

RoHS Compliant

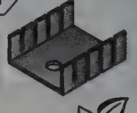
I

RoHS Compliant

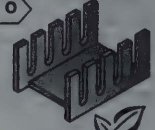
J

RoHS Compliant

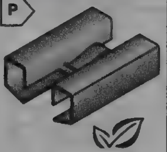
K

RoHS Compliant

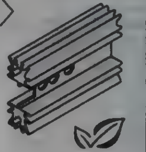
L

RoHS Compliant

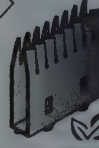
M

RoHS Compliant

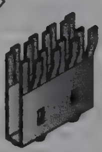
N

RoHS Compliant

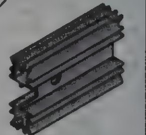
O

RoHS Compliant

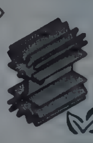
P

RoHS Compliant

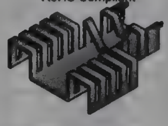
Q

RoHS Compliant

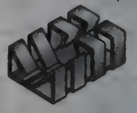
R

RoHS Compliant

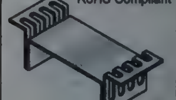
S


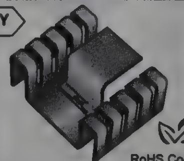
T


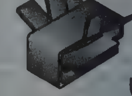
U

RoHS Compliant

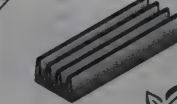
V
RoHS Compliant


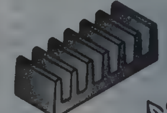
W
RoHS Compliant


X
RoHS Compliant


Y

RoHS Compliant

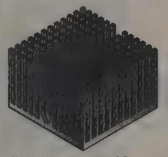
Z

RoHS Compliant

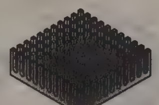
AA

532-501100B00 Shown
RoHS Compliant

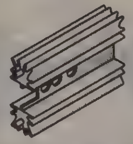
BB

RoHS Compliant

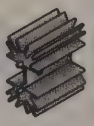
AAVID THERMALLOY Heat Sinks

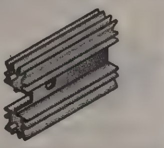
RoHS Compliant **This page of product is compliant.**

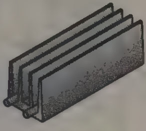
A


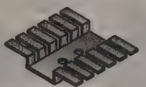
B


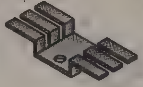
C


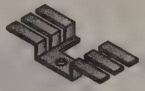
D


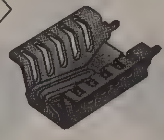
E


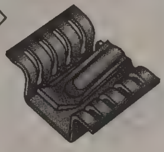
F


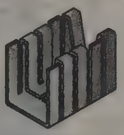
G


H


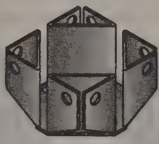
I


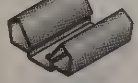
J


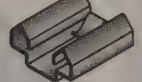
K


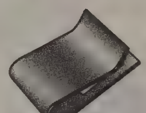
L


532-576802B00 Shown

M


N


O


P


HEATSINKS FOR LED LIGHT SOURCES (TAPE ATTACHMENT METHOD)

Features:

- Tape mounting saves board space by eliminating mounting holes
- Convenient peel and stick assembly is quick and clean
- Can be used with either plastic or metal/ceramic BGA Packages
- Compatible with Ther-a-grip tapes
- For Superbright LEDs
- Finish: Black Anodize
- Base Thickness: 1.50 mm

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Thermalloy Part No.	Fig.	Surface	Dimensions: mm			Fin Thickness		Thermal Resistance		Number of Fins Across		Price Each		
				W	L	H	W	L	Natural	Forced	W	L	1	10	100
532-374124B35G	374124B00035G	A	Plastic	23.0	23.0	18.0	1.4 mm	1.59 mm	23.4	7.39	6	6	**2.77**	**1.93**	**1.65**
532-374424B35G	374424B00035G	A	Plastic	27.0	27.0	18.0	1.4 mm	1.63 mm	20.3	6.46	8	8	**3.41**	**2.30**	**2.04**
532-374724B32G	374724B00032G	A	Metal	35.0	35.0	18.0	1.4 mm	1.57 mm	15.3	5.15	10	10	**3.77**	**2.63**	**2.26**
532-374924B32G	374924B00032G	A	Metal	40.0	40.0	10.0	.90 mm	.89 mm	20.3	6.46	16	17	**4.29**	**3.00**	**2.57**
532-375024B32G	375024B00032G	A	Metal	40.0	40.0	18.0	1.4 mm	1.56 mm	12.2	4.34	12	12	**5.04**	**3.52**	**3.02**

BGA HEATSINKS FOR SMALL FOOTPRINT LEDs (TAPE ATTACHMENT METHOD)

Features:

- Tape mounting saves board space by eliminating mounting holes
- Convenient peel and stick assembly is quick and clean
- Can be used with either plastic or metal/ceramic BGA Packages
- Compatible with Ther-a-grip tapes
- For Superbright LEDs
- Finish: Black Anodize

† Finish: Green Anodize

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Thermalloy Part No.	Fig.	Surface	Dimensions: mm			Fin Thickness		Thermal Resistance		Number of Fins Across		Price Each		
				W	L	H	W	L	Natural	Forced	W	L	1	10	100
532-374024B35G	374024B00035G	B	Plastic	23.0	23.0	10.0	.90 mm	.93 mm	40.0	11.69	10	11	**2.71**	**2.44**	**1.90**
532-374324B35G	374324B00035G	B	Plastic	27.0	27.0	10.0	.90 mm	.93 mm	30.6	9.35	12	13	**3.19**	**2.88**	**2.24**
532-335824B34G	335824B00034G	B	Plastic	30.0	30.0	9.4	1.4 mm	1.4 mm	29.4	9.11	10	10	**3.48**	**3.14**	**2.44**
532-371824B32G	371824B00032G	B	Metal	35.0	35.0	7.0	.97 mm	1.14 mm	31.9	9.67	11	11	**3.73**	**3.36**	**2.61**
532-371824B34G	371824B00034G	B	Plastic	35.0	35.0	7.0	.97 mm	1.14 mm	31.9	9.70	11	11	**4.65**	**4.19**	**3.26**
532-374624B32G	374624B00032G	B	Metal	35.0	35.0	10.0	.90 mm	.89 mm	23.4	7.55	14	15	**3.69**	**3.32**	**2.58**
532-374624B35G	374624B00035G	B	Plastic	35.0	35.0	10.0	.90 mm	.89 mm	23.4	7.55	14	15	**4.26**	**3.84**	**2.99**
532-374724B35G	374724B00035G	B	Plastic	35.0	35.0	18.0	1.4 mm	1.57 mm	15.3	5.15	10	10	**3.93**	**3.54**	**2.75**
†532-373324M32G	373324M00032G	B	Metal	37.4	37.4	6.0	1.4 mm	1.3 mm	32.6	9.91	9	9	**3.80**	**3.42**	**2.66**
532-364424B32G	364424B00032G	B	Metal	40.1	40.0	11.4	1.02 mm	.89 mm	18.4	6.02	13	13	**4.03**	**3.63**	**2.83**

FOR TO-220 CASE STYLES

✱ TO-220, Dual

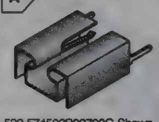
RoHS Compliant

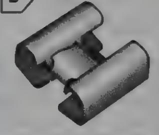
For quantities of 100 and up, call for quote.

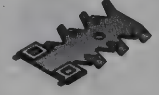
MOUSER STOCK NO.	Aavid Thermalloy Part No.	Fig.	Description	Orientation	Finish	Board Mounting Type	Heatsink to Device Mounting	Ther Res (°C/W)	Dimensions (In.) L x W x H	Price Each	
										1	10
532-531002B00	531002B00000G	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	No Pins	Mounting Kit	13.4	1.38 x 0.50 x 1.00	**1.00**	**.89**
532-531002B25G	531002B02500G	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	13.4	1.38 x 0.50 x 1.00	**1.06**	**.94**
532-531102B00	531102B00000G	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	No Pins	Mounting Kit	10.4	1.38 x 0.50 x 1.50	**1.06**	**.94**
532-531102B25G	531102B02500G	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	10.4	1.38 x 0.50 x 1.50	**1.12**	**1.00**
532-531202B00	531202B00000G	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	No Pins	Mounting Kit	7.5	1.38 x 0.50 x 2.00	**1.19**	**1.06**
532-531202B25G	531202B02500G	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	7.5	1.38 x 0.50 x 2.00	**1.22**	**1.08**
532-531302B25	531302B02500G	C	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	8.0	1.38 x 0.50 x 2.50	**1.28**	**1.14**
532-529802B25G	529802B02500G	D	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	3.7	1.65 x 1.00 x 1.50	**1.38**	**1.23**
532-529902B25G	529902B02500G	D	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	4.5	1.65 x 1.00 x 2.00	**1.65**	**1.46**
532-513002B25G ✱	513002B02500G	E	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	13.4	1.38 x 0.50 x 1.00	**.92**	**.82**
532-513102B25	513102B02500G	E	Extrud. w/radial fins, equal chan. widths front/back	Vertical	Blk anodize	Solder Pins	Mounting Kit	11.0	1.38 x 0.50 x 1.50	**.96**	**.85**
532-581002B02500G	581002B02500G	F	Extruded, flat back, with straight fins	Vertical	Blk anodize	Solder Pins	Mounting Kit	17.4	0.64 x 0.64 x 1.00	**1.25**	**1.11**
532-581202B25G	581202B02500G	F	Extruded, flat back, with straight fins	Vertical	Blk anodize	Solder Pins	Mounting Kit	12.8	0.64 x 0.64 x 2.00	**1.73**	**1.54**
532-507222B00	507222B00000G	G	High rise style, twisted fin	Vertical	Blk anodize	Wave Sldr Mnts	150 Clip	7.0	1.47 x 1.75 x 0.38	**.45**	**.40**
532-507002B00	507002B00000G	H	Hat section	Horizontal	Blk anodize	No Tabs	Mounting Kit	15.6	0.70 x 1.75 x 0.38	**.25**	**.22**
532-507102B00	507102B00000G	I	Hat section with cut out	Horizontal	Blk anodize	No Tabs	Mounting Kit	15.6	0.70 x 1.75 x 0.38	**.31**	**.26**
532-7137DG	7137DG	J	Hat section slide on with integrated tab	Vertical	Tin plate	Solder Tabs	Kit Not Required	20.8	0.90 x 0.38 x 0.90	**.76**	**.71**
532-6237B	6237BG	K	Hat section, clip on	Hz. or Vert.	Blk anodize	No Tabs	Kit Not Required	25.0	0.90 x 0.38 x 0.70	**.42**	**.36**
532-576802B00	576802B00000G	L	Slim plug in	Vertical	Blk anodize	No Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	**.35**	**.32**
532-576802B31G	576802B03100G	L	Slim plug in	Horizontal	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	**.50**	**.44**
532-576802B37	576802B03700G	L	Slim plug in	Vertical	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	**.52**	**.46**
532-576802B39G	576802B03900G	L	Slim plug in	Vertical	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	**.43**	**.38**
532-576802B04000G	576802B04000G	L	Slim plug in	Vertical	Blk anodize	Solder Tabs	Kit Not Required	27.3	0.75 x 0.50 x 0.52	**.48**	**.42**
532-569022B00G	569022B00000G	M	High power, square base, folded back fins	Horizontal	Blk anodize	No Tabs	Mounting Kit	5.5	1.83 x 1.83 x 1.31	**1.52**	**1.35**
532-575102B00	575102B00000G	N	Snap down	Hz. or Vert.	Blk anodize	No Tabs	Kit Not Required	16.8	1.12 x 0.43 x 0.75	**.40**	**.36**
532-579302B00	579302B00000G	O	Snap down with built in clip	Hz. or Vert.	Blk anodize	No Tabs	Kit Not Required	16.8	0.98 x 0.44 x 0.75	**.30**	**.27**
532-579402B00	579402B00000G	O	Snap down with built in clip for beveled device	Hz. or Vert.	Blk anodize	No Tabs	Kit Not Required	16.8	0.98 x 0.44 x 0.75	**.36**	**.32**
532-6043PB	6043PBG	P	Low cost clip on	Vertical	Pre black	No Tabs	Kit Not Required	23.0	0.80 x 0.27 x 1.00	**.29**	**.25**

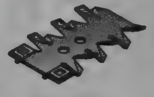
AAVID THERMALLOY Heat Sinks

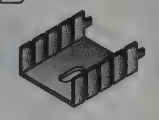
AAVID THERMALLOY

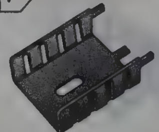
A

532-574502B03700G Shown
✱ No Mounting Kit Req'd

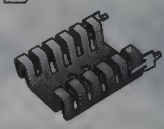
B

✱ No Mounting Kit Req'd

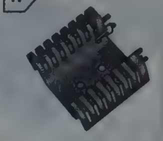
C


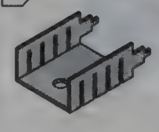
D

153 Clip Required

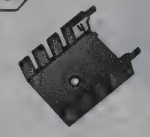
E


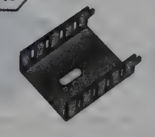
F


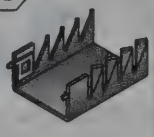
G


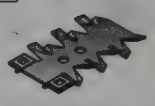
H


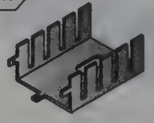
I


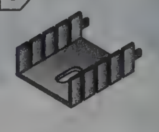
J


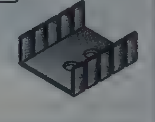
K


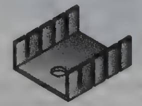
L


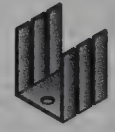
M


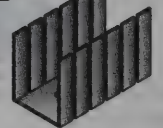
N


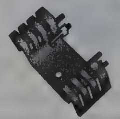
O


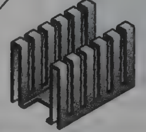
P

532-530613B00 Shown

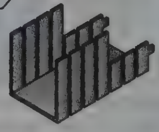
Q


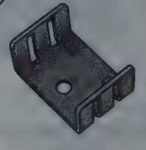
R


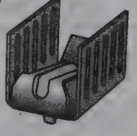
S


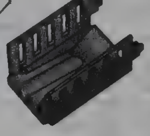
T


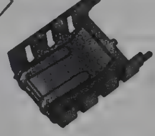
U


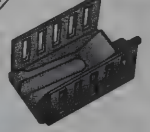
V


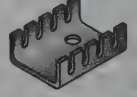
W


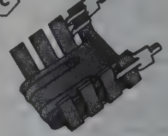
X

✱ No Mounting Kit Required

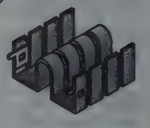
Y

✱ No Mounting Kit Required

Z

✱ No Mounting Kit Required

AA

✱ No Mounting Kit Required

BB

532-577102B00 Shown

CC

✱ No Mounting Kit Required

DD


FOR TO-220 CASE STYLES

✱ Mounting kit is required for heat sink to device mounting, unless otherwise noted.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Aavid Thermalloy Part No.	Fig.	Description	Orientation	Finish	Board Mounting Type	Ther Res (°C/W)	Dimensions (In.) L x W x H	Price Each	
									1	10
532-574102B00	574102B00000G	A	Low cost slide on	Vertical	Black anodized	No Tabs	23.2	0.86 x 0.40 x 0.75	.25	.22
532-574402B32G	574402B03200G	A	Low cost slide on	Vertical	Black anodized	Solder Tabs	19.3	0.75 x 0.86 x 0.40	.62	.55
532-574902B03300G	574902B03300G	A	Slide on	Vertical	Black anodized	Solder Tabs	16.0	0.86 x 0.39 x 1.38	.65	.58
532-574902B37G	574902B03700G	A	Slide on	Vertical	Black anodized	Solder Tabs	16.0	0.86 x 0.36 x 1.38	.67	.60
532-574502B00	574502B00000G	A	Slide on	Vertical	Black anodized	No Tabs	21.2	0.86 x 0.40 x 0.75	.25	.22
532-574502B32G	574502B03200G	A	Slide on	Vertical	Black anodized	Solder Tabs	21.2	0.86 x 0.40 x 0.75	.43	.38
532-574502B03700G	574502B03700G	A	Slide on	Vertical	Black anodized	Solder Tabs	21.2	0.86 x 0.40 x 0.75	.42	.37
532-574502B48	574502B04800	A	Slide on	Vertical	Black anodized	Solder Tabs	21.2	0.86 x 0.40 x 0.75	.53	.47
532-574802B33G	574802B03300G	B	Slide on	Vertical	Black anodized	Solder Tabs	20.4	1.02 x 0.42 x 0.90	.63	.56
532-6022PB	6022PBG	C	Space saving staggered fin	Vertical	Pre black	No Tabs	16.7	0.88 x 0.25 x 1.25	.71	.63
532-542502B00000	542502B00000G	C	Space saving twisted fin	Vertical	Black anodized	No Tabs	24.0	0.88 x 0.25 x 1.25	.44	.39
532-592502B34	592502B03400G	C	Space saving twisted fin	Vertical	Black anodized	Solder Tabs	22.0	0.88 x 0.25 x 1.25	.65	.58
532-534302B35	534302B03553	D	Space saving twisted fin	Vertical	Black anodized	Solder Tabs	10.4	1.38 x 0.48 x 2.00	.86	.76
532-523002T00	523002T00000	E	Space saving twisted fin with integrated tabs	Vertical	Di-elect. coat	Solder Tabs	13.6	0.50 x 1.00 x 1.18	2.48	2.19
532-523002B00	523002B00000G	E	Space saving twisted fin with integrated tabs	Vertical	Black anodized	Twist Tabs	13.6	0.50 x 1.00 x 1.18	.43	.38
532-6030B-TTG	6030B-TTG	F	Channel style straight fins with 3 integrated tabs	Vertical	Di-elect. coat w/tinned tabs	Solder Tabs	12.5	1.00 x 0.50 x 1.18	1.65	1.46
532-6030DG	6030DG	F	Channel style w/straight fins with 3 integrated tabs	Vertical	Tin plate	Solder Tabs	12.5	1.00 x 0.50 x 1.18	.90	.80
532-7020B-MTG	7020B-MTG	G	Channel style w/folded back fins, TO-220, TO-218	Vertical	Black anodized	Solder Tabs	8.7	1.30 x 0.70 x 1.45	.87	.77
532-7023B-MTG	7023B-MTG	H	Channel style w/folded back fins, TO-220, Multiwatt	Vertical	Black anodized	Solder Tabs	4.4	1.90 x 1.95 x 0.95	1.25	1.11
532-7173DG	7173DG	I	Channel style with Integrated tabs	Vertical	Tin plate	Solder Tabs	25.8	0.75 x 0.75 x 0.38	.41	.36
532-6021PB	6021PBG	J	Channel style with straight fins & integrated tabs	Vertical	Pre black	Twist Tabs	12.5	1.00 x 0.50 x 1.18	.90	.80
532-6230B-TT	6230B-TT	K	Channel style with straight fins	Vertical	Black paint	Solder Tabs	12.5	1.00 x 0.50 x 1.18	2.11	2.00
532-593002B03400G	593002B03400G	L	Channel style with twisted fins	Vertical	Black anodized	Solder Tabs	13.4	1.00 x 0.50 x 1.18	.71	.63
532-534202B28G	534202B02853G	L	Channel style, with twisted fins	Vertical	Black anodized	Solder Tabs	13.4	1.00 x 0.50 x 1.18	1.16	1.02
532-534202B34G	534202B03453G	L	Channel style, with twisted fins	Vertical	Black anodized	Solder Tabs	13.4	1.00 x 0.50 x 1.18	.77	.68
532-593202B35G	593202B03500G	M	Channel style with twisted fins	Vertical	Black anodized	Solder Tabs	10.4	1.38 x 0.48 x 2.00	.81	.72
532-576602T00G	576602T00000G	N	Channel style with integrated tabs	Vertical	Di-elect. coat w/tinned tabs	Solder Tabs	16.6	1.00 x 0.50 x 0.95	2.24	1.99
532-576602B00	576602B00000	N	Channel style with integrated tabs	Vertical	Black anodized	Twist Tabs	16.6	1.00 x 0.50 x 0.95	.43	.38
532-563002B00	563002B00000	N	Channel style with integrated tabs	Vertical	Black anodized	Twist Tabs	13.0	1.00 x 0.50 x 1.18	.34	.30
532-590302B36G	590302B03600G	N	Hi perform. with 2 tinned tabs, recessed lower fins	Vertical	Black anodized	Solder Tabs	11.2	1.00 x 1.00 x 1.68	.93	.83
532-575002B00	575002B00000G	O	Channel style with integrated tabs	Vertical	Black anodized	Twist Tabs	13.6	1.00 x 0.50 x 1.18	.35	.31
532-576012B00	576012B00000G	P	Economy low profile channel style	Hz. or Vert.	Black anodized	No Tabs	20.8	1.00 x 0.90 x 0.38	.50	.45
532-530714B00	530714B00000G	P	Economy low profile channel style	Horizontal	Black anodized	No Tabs	20.3	0.71 x 1.00 x 0.50	.31	.26
532-530613B00	530613B00000G	P	Economy low profile channel style	Horizontal	Black anodized	No Tabs	16.7	1.18 x 1.00 x 0.50	.39	.34
532-530614B00	530614B00000G	P	Economy low profile channel style	Horizontal	Black anodized	No Tabs	16.7	1.18 x 1.00 x 0.50	.39	.34
532-507302B00	507302B00000G	Q	Economy low profile channel style	Horizontal	Black anodized	No Tabs	24.0	0.75 x 0.75 x 0.38	.31	.29
532-504102B00	504102B00000G	R	Economy, narrow channel style	Vertical	Black anodized	No Tabs	15.6	0.78 x 0.70 x 0.85	.31	.28
532-577002B40G	577002B04000G	R	Slim, low cost channel style	Vertical	Black anodized	Solder Tabs	32.0	0.75 x 0.52 x 0.25	.38	.35
532-504222B00	504222B00000G	S	Economy, narrow channel style, TO-220, Dual	Horizontal	Black anodized	No Tabs	6.4	1.45 x 0.70 x 0.85	.45	.40
532-7025B-MTG	7025B-MTG	T	Hi perf. chan. style w/fold back fins, TO-220, TO-218	Vertical	Black anodized	Solder Tabs	6.8	1.90 x 0.95 x 1.13	.90	.80
532-551002B00G	551002B00000G	U	High performance channel style with fold back fins	Hz. or Vert.	Black anodized	No Tabs	12.4	1.01 x 0.79 x 1.45	.58	.51
532-590102B36G	590102B03600G	V	Hi perform. with 2 tinned tabs, recessed lower fins	Vertical	Black anodized	Solder Tabs	10.0	1.00 x 1.00 x 1.68	.93	.83
532-6110PB	6110PBG	W	Low cost channel with device locating tabs	Hz. or Vert.	Pre black	No Tabs	21.0	1.00 x 0.50 x 0.71	.56	.50
532-7139DG	7139DG	X	Narrow channel slide on with integrated tabs	Horizontal	Tin plate	Solder Tabs	28.3	0.78 x .050 x 0.51	.56	.50
532-7136DG	7136DG	Y	Narrow channel slide on with integrated tabs	Vertical	Tin plate	Solder Tabs	19.7	.515 x 0.52 x .848	.67	.60
532-7128DG	7128DG	Z	Slide on channel style with integrated tabs	Vertical	Tin plate	Solder Tabs	19.2	.866 x .375 x 1.18	.70	.62
532-7141DG	7141DG	AA	Slide on narrow channel with integrated center tab	Vertical	Tin plate	Solder Tabs	20.3	0.52 x 0.52 x 0.84	.73	.65
532-577002B00	577002B00000G	BB	Slim, low cost channel style	Hz. or Vert.	Black anodized	No Tabs	32.0	0.75 x 0.52 x 0.25	.25	.23
532-577102B00	577102B00000G	BB	Slim, low cost channel style	Hz. or Vert.	Black anodized	No Tabs	25.9	0.75 x 0.52 x 0.38	.22	.19
532-577102B04000G	577102B04000G	BB	Slim, low cost channel style	Vertical	Black anodized	Solder Tabs	25.9	0.75 x 0.52 x 0.38	.38	.34
532-577202B00	577202B00000G	BB	Slim, low cost channel style	Hz. or Vert.	Black anodized	No Tabs	24.4	0.75 x 0.52 x 0.50	.23	.21
532-577202B04000G	577202B04000G	BB	Slim, low cost channel style	Vertical	Black anodized	Solder Tabs	24.4	0.75 x 0.52 x 0.50	.43	.38
532-6238B-MTG	6238B-MTG	CC	Slip on channel with integral locking tab	Vertical	Black anodized	Solder Tabs	13.6	1.00 x .610 x 1.16	1.01	.90
532-578622B03200G	578622B03200G	DD	Twin channel style, TO-220, Dual	Vertical	Black anodized	Solder Tabs	13.2	1.48 x 0.50 x 1.03	.86	.76

AAVID Clips and Accessories

AAVID THERMALLOY

RoHS Compliant **This page of product is compliant.**

MAX CLIP® SYSTEM™

The Max Clip® System™ for power semiconductors is a high performance, low cost solution to eliminate mounting holes, screws, rivets, and thermal inefficiency. This quick, efficient attachment method saves on labor and hardware costs while increasing design flexibility.

Features:

- Reduces assembly cost and labor
- Optimizes thermal management
- Reduces overall thermal resistance
- Provides mounting for discrete power devices, with or without mounting holes
- Allows for easy movement or replacement of components
- Eliminates mounting hardware and tools

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Dimensions: mm			Force (lbs.)	Price Each		
				Length	Width	Thickness		1	10	100
Rail Mounted										
532-MAXCLIP01G	MAX01G	A	For TO-220, Max 220	14.7	10	0.5	4.9	.19	.17	.15
532-MAXCLIP03G	MAX03G	B	For TO-220, TO-247, Max 247	14.7	15	0.5	10.1	.25	.22	.19
532-MAXCLIP03-HG	MAX03-HG	B	For TO-247, Max 247, TO-247J	14.7	18	0.6	18	.33	.31	.29
532-MAXCLIP10G	MAX10G	C	For TO-220, Max 220 Thin Components	19.7	12	0.6	9	.23	.20	.17
532-MAXCLIP09G	MAX09G	D	For TO-220	10.1	10	0.5	10.1	.29	.25	.21
532-MAXCLIP01-HG	MAX01-HG	D	For TO-220, Max 220	14.7	10	0.7	18	.23	.21	.18
532-MAXCLIP02G	MAX02G	D	For TO-220, Max 220	14.7	12	0.5	7.9	.20	.17	.15
532-MAXCLIP02-HG	MAX02-HG	D	For TO-220	10.1	10	0.5	10.1	.27	.50	.23
532-MAXCLIP04G	MAX04G	E	For TO-247, Max 247, TO-247J	14.7	20	0.5	13.5	.31	.29	.27
532-MAXCLIP11G	MAX11G	F	For TO-220, Max 220 Thin Components	24.7	12	0.6	9	.29	.25	.21
532-MAXCLIP12G	MAX12G	F	For TO-92 Sensors	19.7	6	0.6	5.6	.23	.20	.17
532-MAXCLIP23G	MAX23G	G	For TO-220, Max 220	14.7	13	0.6	22.5	.29	.25	.21
532-MAXCLIP20G	MAX20G	H	For TO-220, Max 220	20	12	0.6	10.6	.23	.20	.17
532-MAXCLIP13G	MAX13G	I	For TO-247	10.5	17	0.5	10.1	.35	.32	.29
532-MAXCLIP14G	MAX14G	J	For TO-220	14.5	13	0.5	4.5	.29	.25	.21
532-MAXCLIP15G	MAX15G	K	For D61	13.3	18	0.6	13.5	.40	.36	.33
532-MAXCLIP16G	MAX16G	I	For TO-247	10.5	17	0.5	10.1	.35	.32	.29
Screw On										
532-MAXCLIP07G	MAX07G	L	For TO-220, Max 220, Max 247	.87	12	0.5	11.2	.21	.18	.15
532-MAXCLIP08G	MAX08G	M	For TO-218, TO-247, Max 247, TO-247J	.93	18	0.5	16.9	.30	.26	.21
Clip over Edge										
532-CLP212G	CLP212G	N	For TO-220/Max220	18.9	10	0.5	21	.38	.35	.32
532-CLP212MG	CLP212MG	O	For TO-247/Max247	18.9	15	0.6	36	.33	.31	.28
532-CLP212PG	CLP212PG	P	For TO-220/Max220	18.9	10	0.5	21	.33	.31	.28
532-CLP212SG	CLP212SG	Q	For Sensors/Thin Components	10.0	7	0.5	20	.25	.23	.21
532-CLP212TG	CLP212TG	R	For TO-220/Max220	14.6	10	0.6	34	.23	.21	.19

INSULATING SHOULDER WASHERS

- 40% Glass-filled polyphenylene sulfide
- Chemically inert

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Dimensions: in.					Screw Size	Price Each		
			A	B	C	D	E		1	10	100
532-7721-3PPS	7721-3PPSG	S	.280	.125	.042	.112	.150	4	.22	.20	.18
532-7721-7PPS	7721-7PPSG	S	.215	.032	.040	.116	.139	4	.22	.20	.18
532-7721-8PPS	7721-8PPSG	T	.245	.040	.040	.119	.140	4	.31	.29	.27

INSULATORS

- Mica insulators provide high maximum operating temperatures (550°C) and excellent electrical properties.
- Aluminum oxide has unique thermal conductivity qualities and features low loss factors at high frequencies.
- It has high compressive strengths, high volume resistivity, low thermal expansion and it resists radiation.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Dimensions: in.					Price Each		
				A	B	C	D	E	1	10	100
532-56-77-11	56-77-11G	U	TO-220 Mica Insulators	.745	.545	.212	.212	.120	.13	.10	.08
532-4170	4170G	U	Aluminum Oxide Ceramic for TO-220	.760	.550	.188	.275	.145	.45	.40	.35
532-4180	4180G	U	Aluminum Oxide Ceramic for TO-218, TO-247 and TO-3P	.915	.740	.275	.370	.156	.70	.63	.56

THERMALLY CONDUCTIVE INSULATORS

- Polyimide Plastic
- Color-Amber
- Low Cost

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Dimensions: in.				Price Each		
				A	B	C	D	1	10	100
532-43-77-9	43-77-9G	V	TO-220 Thermalfilm™	.725	.520	.170	.115	.12	.11	.10
532-53-77-4G	53-77-4G	V	TO-220 Thermalsil™ III	.750	.500	.187	.147	.22	.19	.16
532-53-77-4ACG	53-77-4ACG	V	TO-220 Thermalsil™ III w/adhesive backing	.750	.500	.187	.147	.33	.29	.25
532-53-77-9	53-77-9G	V	TO-220 Thermalsil™ III	.750	.520	.170	.115	.27	.25	.23
532-53-77-9ACG	53-77-9ACG	V	TO-220 Thermalsil™ III w/adhesive backing	.750	.520	.170	.115	.33	.29	.25

MOUNTING PAD

MOUSER STOCK NO.	Aavid Part No.	Fig.	Description	Outside Dia. IN.	Thickness	Price Each		
						1	10	100
532-7717-5N	7717-5NG	W	Nylon, TO-5, 4 Leads	.350	0.125	.18	.16	.14

MOUNTING KITS

- Pre-packaged in heat-seated plastic bags for use on assembly line.

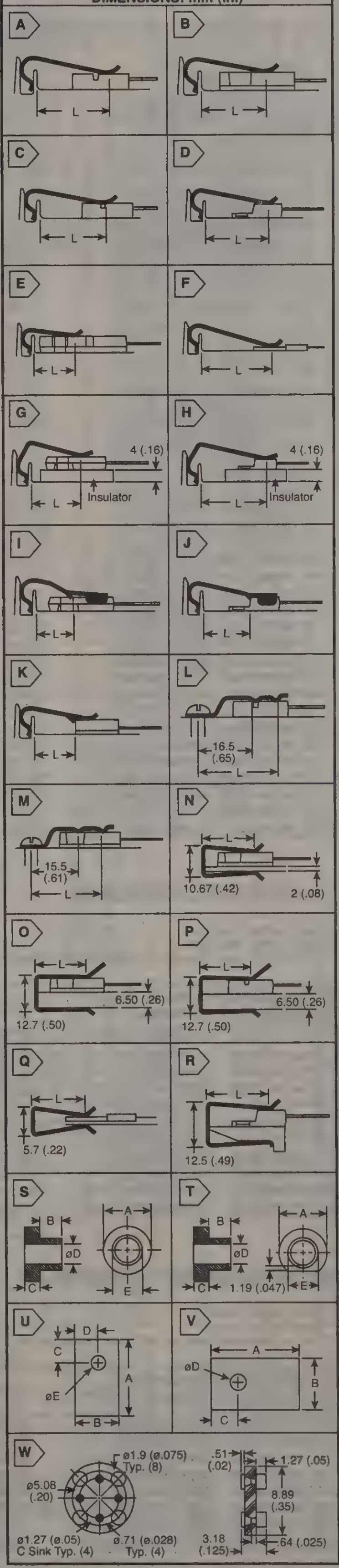
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Aavid Part No.	Description	Price Each		
			1	10	100
532-4880M	4880MG	**Mica Insulator Mounting Kit for TO-220:** 1 Insulator Mica, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40, UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	.77	.68	.58
532-4880	4880G	**Thermalfilm™ Mounting Kit for TO-220:** 1 Insulator Thermalfilm, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40 UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	.77	.68	.58
532-4880SG	4880SG	**Thermalsil™ III Mounting Kit for TO-220:** 1 Insulator In Sil-8, 1 Shoulder Washer, 1 Flat Washer #4, 1 No. 4-40 UNC-2B Hex Nut, 1 No. 4-40 UNC-2A X 1/2 Long Phillips Pan Head Screw, 1 Lockwasher, No. 4	.91	.82	.71

THERMAL COMPOUNDS

MOUSER STOCK NO.	Aavid Part No.	Description	Dielectric Strength	Thermal Conductivity	Price Each		
					1	10	100
532-249	249G	1 oz. Thermal Joint Compound	300V/mil	.765Wm-1°C-1	**4.71**	**4.28**	**3.76**
532-250	250G	2 oz. Thermal Joint Compound	300V/mil	.765Wm-1°C-1	**6.45**	**5.71**	**4.83**
532-251	251G	1lb. Thermal Joint Compound	300V/mil	.765Wm-1°C-1	**21.12**	**18.72**	**15.84**
532-350	350G	2 oz. Thermal Joint Compound, Silicone Free	200V/mil	0.699Wm-1°C-1	**10.30**	**9.17**	**7.76**
532-100500F00	100500F00000G	5 oz. Thermally Conductive Compound	250V/mil	.73 W/(m-K)	**29.75**	**28.00**	**26.95**
532-349	349G	1 oz. Thermalcote II	200V/mil	0.699Wm-1°C-1	**8.20**	**7.55**	**6.94**

DIMENSIONS: mm (in.)



COMAIR ROTRON Heat Sinks

THRU-HOLE STAMPINGS

- Body Material: Aluminum (unless otherwise noted)
- Thermal Resistance based on 75°C rise in Natural Convection (C/W)

† No Solderable Tabs
* Body Material: Copper

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Comair Rotron Part No.	Fig.	For Package Type	Body Plating	Thermal Res. (°C/W)	Dim.: mm L x W x H	Price Each		
							1	25	100
707-831302B00	831302B00000	A	TO-220, TO-262	Black Anodize	26.8	12.7x12.8x19.0	.45	.40	.37
707-831402B00	831402B00000	B	TO-220, TO-262	Black Anodize	26.8	19.0x12.8x12.7	.47	.42	.38
† 707-831502B00	831502B00000	A	TO-220, TO-262	Black Anodize	26.8	12.8x19.0x12.7	.39	.35	.32
707-831502B37	831502B03700	A	TO-220, TO-262	Black Anodize	26.8	12.8x19.0x12.7	.49	.44	.40
707-831502B39	831502B03900	A	TO-220, TO-262	Black Anodize	26.8	12.8x19.0x12.7	.45	.40	.37
707-833302B28	833302B02800	A	TO-220, TO-262	Black Anodize	23	12.7x12.7x19.0	.63	.56	.51
707-811102B00	811102B00000	C	TO-220	Black Anodize	24	5.7x22.1x31.8	.63	.56	.51
† 707-821002B00	821002B00000	D	TO-220	Black Anodize	32	6.4x13.2x19.1	.31	.28	.25
707-821002B04	821002B04000	D	TO-220	Black Anodize	32	6.4x13.2x19.1	.45	.40	.37
† 707-821102B00	821102B00000	D	TO-220	Black Anodize	25.9	9.5x13.2x19.1	.63	.56	.51
707-821102B04	821102B04000	D	TO-220	Black Anodize	25.9	9.5x13.2x19.1	.45	.40	.37
707-821102B45	821102B04005	E	TO-220	Black Anodize	25.9	9.5x13.2x19.1	.96	.86	.79
† 707-821202B00	821202B00000	D	TO-220	Black Anodize	24.4	12.7x13.2x19.1	.36	.32	.29
707-821202B04	821202B04000	D	TO-220	Black Anodize	24.4	12.7x13.2x19.1	.46	.41	.38
† 707-821502B00	821502B00000	D	TO-220	Black Anodize	24	9.5x19.0x19.0	.27	.24	.22
707-821702B00	821702B00000	F	TO-220	Black Anodize	6.4	21.6x19.8x36.8	.42	.38	.35
707-821902B00	821902B00000	G	TO-220	Black Anodize	13	12.7x25.4x30.0	.40	.36	.33
707-821902BPT	821902BPT000	G	TO-220	Blk Paint-Tin Tabs	13	12.7x25.4x30.0	2.34	2.08	1.93
707-822202B00	822202B00000	H	TO-220	Black Anodize	13	10.1x25.4x30.0	.67	.60	.55
707-822802B00	822802B00000	I	TO-220	Black Anodize	15.6	17.8x44.5x9.5	.38	.34	.31
707-822812B00	822812B00000	J	TO-220	Black Anodize	10	17.8x44.5x9.5	.33	.30	.27
707-824302B00	824302B00000	K	TO-220	Black Anodize	7	9.4x44.5x36.8	.45	.40	.37
707-825402B34	825402B03400	L	TO-220	Black Anodize	13.8	12.7x26.7x30.0	.69	.62	.57
707-825502B2853	825502B02853	M	TO-220	Black Anodize	13.8	12.7x26.7x30.0	1.13	1.00	.92
707-825502B3453	825502B03453	N	TO-220	Black Anodize	13.8	12.7x26.7x30.0	.76	.68	.62
*707-825600T00	825600T00000	O	TO-220	Tin Plate	13.2	12.7x25.4x30.0	.94	.84	.77
*707-8256BPT00	8256BPT00000	O	TO-220	Blk Paint-Tin Tabs	13.2	12.7x25.4x30.0	1.67	1.48	1.37
707-825702B53	825702B05300	P	TO-220	Black Anodize	8.9	11.9x33.0x36.8	.85	.76	.70
707-825702B54	825702B05400	P	TO-220	Black Anodize	8.9	11.9x33.0x36.8	.87	.78	.72
707-825802B53	825802B05300	P	TO-220	Black Anodize	6	24.3x48.3x44.7	1.20	1.06	.98
707-825902B53	825902B05300	P	TO-220	Black Anodize	7.5	24.1x48.2x23.6	.85	.76	.70
707-826002B53	826002B05300	P	TO-220	Black Anodize	7.6	9.7x44.5x36.8	.96	.86	.79
† 707-832202B00	832202B00000	Q	TO-220	Black Anodize	23	6.8x20.3x25.4	.31	.28	.25
† 707-833202B00	833202B00000	R	TO-220	Black Anodize	20	10.0x21.8x19.0	.33	.30	.27
707-833202B33	833202B03300	R	TO-220	Black Anodize	20	10.0x21.8x19.0	.49	.44	.40
707-833202B37	833202B03700	R	TO-220	Black Anodize	20	10.0x21.8x19.0	.47	.42	.38
707-833202B48	833202B04800	R	TO-220	Black Anodize	20	10.0x21.8x19.0	.60	.54	.50
707-833502B00	833502B00000	S	TO-220	Black Anodize	24.5	9.5x22.9x17.8	.43	.39	.36
707-833602B53	833602B05300	T	TO-220	Black Anodize	14	15.5x25.5x24.0	.99	.88	.81
*707-833702T00	833702T00000	U	TO-220	Tin Plate	20	9.5x22.0x27.9	.81	.72	.66
*707-833802T00	833802T00000	S	TO-220	Tin Plate	21.7	13.1x13.2x21.5	.81	.72	.66

THRU-HOLE EXTRUSIONS

- Body Material: Aluminum
- Body Plating: Black Anodize
- Thermal Resistance based on 75°C rise in Natural Convection (C/W)

For quantities of 200 and up, call for quote.

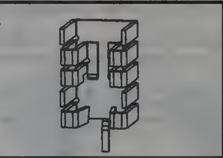
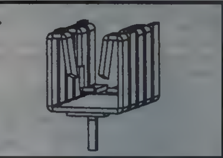
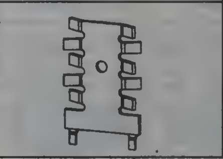
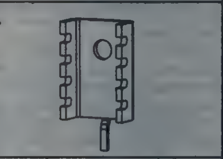
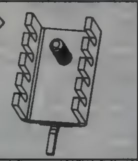
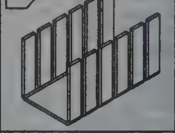
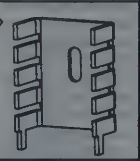
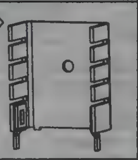
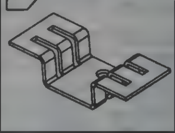
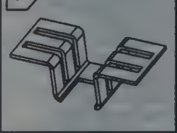
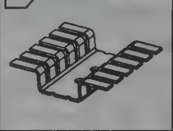
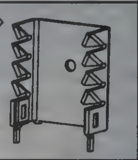
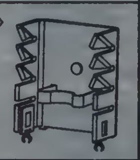
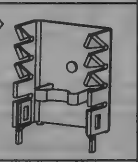
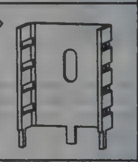
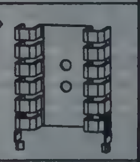
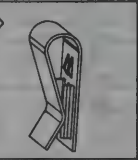
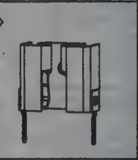
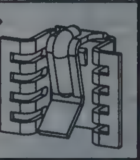
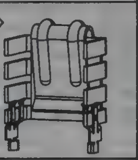
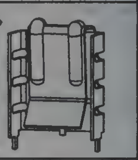
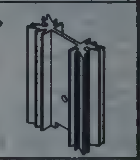
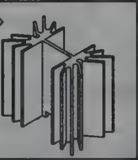
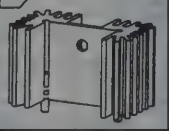
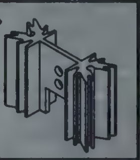
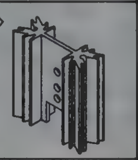
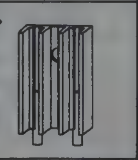
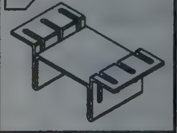
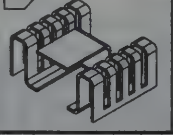
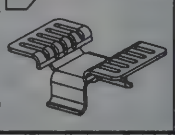
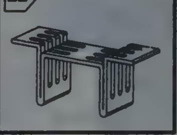
MOUSER STOCK NO.	Comair Rotron Part No.	Fig.	For Package Type	Thermal Res. (°C/W)	Dimensions: mm L x W x H	Price Each		
						1	25	100
707-411320B25	411320B02500	V	TO-218, TO-220, TO-247	9.1	12.7 x 34.9 x 50.8	1.11	.98	.90
707-411615B25	411615B02500	W	TO-218, TO-220, TO-247	6.2	25.4 x 41.9 x 38.1	1.38	1.22	1.13
707-411616B25	411616B02500	W	TO-218, TO-220, TO-247	6.2	25.4 x 41.9 x 38.1	1.38	1.22	1.13
707-411621B25	411621B02500	W	TO-218, TO-220, TO-247	5.2	25.4 x 41.9 x 50.8	1.71	1.52	1.41
707-411626B25	411626B02500	W	TO-218, TO-220, TO-247	4.2	25.4 x 41.9 x 63.5	1.53	1.36	1.26
707-412525B25	412525B02500	X	TO-218, TO-220, TO-247	6	25.4 x 41.9 x 25.4	1.47	1.30	1.21
707-411910B25	411910B02500	Y	TO-202, TO-220	12.6	12.7 x 35.0 x 25.4	1.04	.92	.85
707-411915B25	411915B02500	Z	TO-202, TO-220	10.8	12.7 x 34.9 x 38.1	1.11	.98	.90
707-412310B25	412310B02500	AA	TO-218, TO-220	17.5	16.3 x 16.3 x 25.4	1.13	1.00	.92
707-412315B25	412315B02500	AA	TO-218, TO-220	15	16.3 x 16.3 x 38.1	1.29	1.14	1.06
707-412320B25	412320B02500	AA	TO-218, TO-220	11.5	16.3 x 16.3 x 50.8	1.56	1.38	1.28

SURFACE MOUNT STAMPINGS

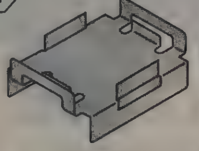
- Body Material: Copper
- Body Plating: Tin Plate
- Thermal Resistance based on 75°C rise in Natural Convection (C/W)

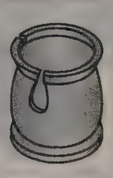
For quantities of 200 and up, call for quote.

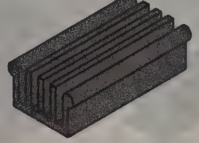
MOUSER STOCK NO.	Comair Rotron Part No.	Fig.	For Package Type	Thermal Res. (°C/W)	Dimensions: mm L x W x H	Price Each		
						1	25	100
707-832700T00	832700T00000	BB	D-PAK, TO-263	19	12.7 x 26.2 x 9.9	.51	.46	.42
707-8327TRT00	8327TRT00000	BB	D-PAK, TO-263	19	12.7 x 26.2 x 9.9	.56	.50	.46
707-834000T00	834000T00000	CC	D-PAK, TO-263	12	19.4 x 25.4 x 11.4	.94	.84	.77
707-8340TRT00	8340TRT00000	CC	D-PAK, TO-263	12	19.4 x 25.4 x 11.4	1.26	1.12	1.04
707-833900T00	833900T00000	DD	D-PAK, TO-263, SO-10, MO-184	17	25.9 x 15.0 x 9.5	1.04	.92	.85
707-8339TRT00	8339TRT00000	DD	D-PAK, TO-263, SO-10, MO-184	17	25.9 x 15.0 x 9.5	1.08	.96	.88
707-834100T00	834100T00000	EE	D-PAK, TO-252	16	8.0 x 22.9 x 10.2	.54	.48	.44
707-8341TRT00	8341TRT00000	EE	D-PAK, TO-252	16	8.0 x 22.9 x 10.2	.69	.62	.57

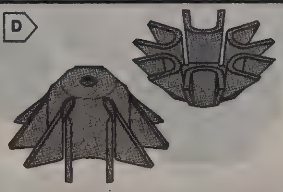
A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC

DD

EE


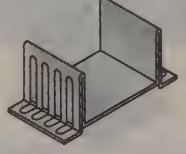
WAKEFIELD Heat Sinks

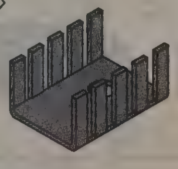
A


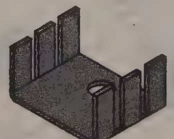
B


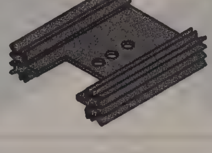
C


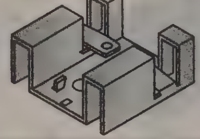
D


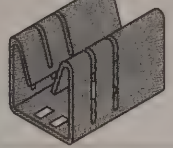
E


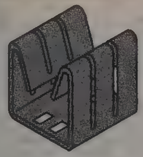
F


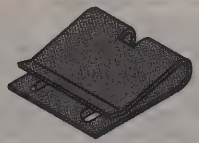
G


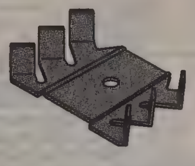
H


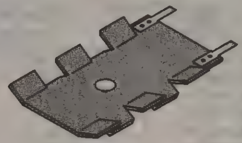
I


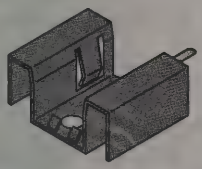
J


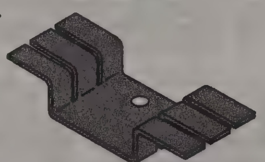
K


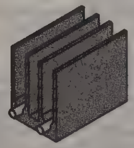
L


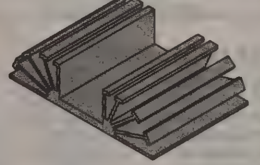
M


N


O


P


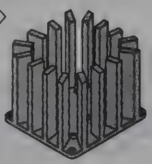
Q


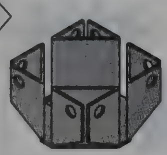
R


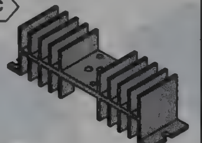
POWER HEAT SINKS

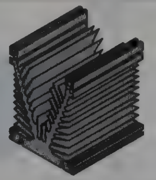
For quantities of 500 and up, call for quote.

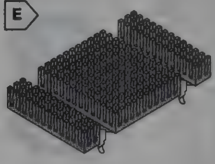
MOUSER STOCK NO.	Wakefield Part No.	Fig.	Description	Package	Natural Convection	Dimensions: in. L x W x H	Price Each		
							1	10	100
567-217-36CT6	217-36CT6	A	Surface Mount 2	D Pak, TO-220, SOL-20, SOT-223	55°C @ 1W	.74 x .60 x .36	.33	.31	.29
567-260-4T5E	260-4T5E	B	Cup Clips, Epoxy Insulated	TO-5	-	.370 x .380	11.01	10.46	9.94
567-651-B	651-B	C	DIPS and SRAM Low-Cost , Extruded	14-16 Pins DIPS	-	.25 x .74 x .24	1.30	1.04	.88
567-695-1B	695-1B	D	Space-Saving for Small Stud-Mounted Diodes	STUD-MOUNT	72°C @ 4.0W	1.33 x .53	1.33	1.06	.90
567-218-40CT3	218-40CT3	E	Surface Mount Device Heat Sink	SMT Devices	52°C rise @ 2W	.90 x .315 x .40	.73	.58	.49
567-218-40CT5	218-40CT5	E	Surface Mount Device Heat Sink	SMT Devices	52°C rise @ 2W	1.03 x .50 x .40	.64	.52	.45
567-206-1PABH	206-1PABH	F	Vertical Mount Heat Sink	TO-220	56°C rise @ 4W	1.0 x .50x 1.18	.90	.72	.61
567-240-118ABH-22	240-118ABH-22	F	Labor-Saving Twisted Fin	TO-220	55°C @ 4W	1.0 x .50 x 1.18	.70	.56	.48
567-265-118ABH-22	265-118ABH-22	F	Vertical Mount Heat Sink	TO-220	56°C rise @ 4W	1.00 x .50 x 1.18	.70	.56	.48
567-273-AB	273-AB	F	Low-Cost, Low-Height Wavesolderable	TO-218, TO-220	49°C @ 2W	.75 x .375 x .75	.38	.30	.26
567-274-1AB	274-1AB	F	Low-Cost, Low-Height Wavesolderable	TO-220	56°C @ 2W	.52 x .375 x .75	.25	.20	.17
567-286-DB	286-DB	F	Vertical Mount Heat Sink	TO-220	65°C rise @ 4W	1.00 x .50 x .95	2.00	1.60	1.36
567-287-1ABE	287-1ABE	F	Low-Cost Wave-Solderable	TO-220	56°C @ 4W	1.0 x .50 x 1.18	1.08	.86	.73
567-290-1AB	290-1AB	F	Low-Cost Single Package	TO-218 TO-202 TO-220	44°C @ 2W	1.0 x .50 x 1.18	.38	.30	.26
567-290-2AB	290-2AB	F	Low-Cost Dual Package	TO-218 TO-202 TO-220	44°C @ 2W	1.0 x .50 x 1.18	.38	.30	.26
567-289-AB	289-AB	G	Low-Cost Single Package	TO-218 TO-202 TO-220	506°C @ 2W	1.0 x .50 x .71	.28	.22	.19
567-637-10ABP	637-10ABP	H	High-Efficiency, Vertical Board Mounting	TO-220	76°C @ 6W	1.38 x .50 x 1.0	1.20	1.14	1.08
567-637-15ABP	637-15ABP	H	High-Efficiency, Vertical Board Mounting	TO-220	65°C @ 6W	1.38 x .50 x 1.5	1.57	1.27	1.09
567-637-20ABP	637-20ABP	H	High-Efficiency, Vertical Board Mounting	TO-220	55°C @ 6W	1.38 x .50 x 2.0	1.46	1.39	1.32
567-647-10ABP	647-10ABP	H	High-Performance, Vertical Board Mounting	TO-220	42°C @ 6W	1.65 x 1.0 x 1.0	1.39	1.31	1.28
567-647-15ABP	647-15ABP	H	High-Performance, Vertical Board Mounting	TO-220	37°C @ 6W	1.65 x 1.0 x 1.5	1.53	1.45	1.38
567-657-15ABP	657-15ABP	H	High-Performance, Vertical Board Mounting	TO-218 TO-220 TO-247	38°C @ 6W	1.65 x 1.0x 1.5	1.40	1.12	.95
567-657-15ABPN	657-15ABPN	H	High-Performance Notched, Vertical Board Mounting	TO-218 TO-220 TO-247	38°C @ 6W	1.65 x 1.0 x 1.5	2.40	1.70	1.20
567-657-20ABP	657-20ABP	H	High-Performance, Vertical Board Mounting	TO-218 TO-220 TO-247	32°C @ 6W	1.65 x 1.0 x 2.0	1.85	1.50	1.29
567-667-10ABPP	667-10ABPP	H	15-Lead High Performance Vertical Board Mounting	TO-218 TO-220 TO-247	76°C @ 6W	1.375 x .50 x 1.0	1.71	1.62	1.54
567-677-10ABP	677-10ABP	H	15-Lead Multiwatt High-Perf., High-Power, Vertical Mount	TO-218 TO-220 TO-247	52°C @ 6W	1.65 x 1.0 x 1.0	2.23	1.78	1.51
567-677-20ABP	677-20ABP	H	15-Lead Multiwatt High-Perf., High-Power, Vertical Mount	TO-218 TO-220 TO-247	40°C @ 6W	1.65 x 1.0 x 1.0	2.78	2.22	1.89
567-235-85AB	235-85AB	I	Compact, Stress-Free Labor-Saving Locking-Tab	TO-220	40°C @ 6W	1.65 x 1.0 x 2.0	.65	.48	.34
567-230-75AB	230-75AB	J	Compact, Wavesolderable Low-Profile Self-Locking	TO-220	57°C @ 2W	1.0 x .50 x .85	.35	.28	.24
567-233-60AB	233-60AB	K	Self-Locking Wavesolderable	TO-220	58°C @ 2W	.57 x .50 x .75	.43	.34	.29
567-233-60AB-10	233-60AB-10	K	Self-Locking Wavesolderable with Tab	TO-220	58°C @ 2W	.57 x .50 x .60	.63	.50	.43
567-262-75AB-01	262-75AB-01	K	Horizontal and Vertical Mount Heat Sink	TO-220	80°C rise @ 3W	.57 x .50 x .725	.58	.41	.28
567-262-75AB-05	262-75AB-05	K	Horizontal and Vertical Mount Heat Sink	TO-220	80°C rise @ 3W	.53 x .50 x .75	.50	.40	.34
567-274-2AB	274-2AB	K	Low-Cost, Low-Height Wavesolderable	TO-220	50°C @ 2W	.75 x .50 x .53	.25	.20	.17
567-243-3PAB	243-3PAB	L	Labor-Saving Clip-On	TO-220	78°C @ 2W	.86 x .69 x .39	.28	.22	.19
567-291-H36AB	291-H36AB	M	Labor-Saving Clip-on	TO-220	68°C @ 2W	.80 x .27 x .80	.50	.40	.34
567-288-1AB	288-1AB	N	Compact Wave-Solderable Low-Cost	TO-202 TO-220	85°C @ 4W	1.1 x .36 x .86	.98	.78	.66
567-239-75-AB04	239-75-AB04	O	Snap-Down Self-Locking with Tab	TO-220	38°C @ 2W	.875 x .215 x 1.25	.58	.48	.42
567-270-AB	270-AB	P	Small Footprint Low-Cost	TO-202 TO-220	70°C @ 4W	1.12 x .435 x .75	.28	.22	.19
567-272-AB	272-AB	P	Small Footprint Low-Cost	TO-202 TO-220	42°C @ 4W	1.75 x .375 x .70	.45	.36	.31
567-271-AB	271-AB	P	Top-Mount Booster 270/272/280 Series	TO-220	62°C @ 4W	1.75 x .375 x 1.45	.30	.24	.20
567-634-10ABP	634-10ABP	Q	Slim Profile Unidirectional Fin Vertical Mount	TO-218 TO-220	-	1.75 x .50 x .70	1.39	1.31	1.25
567-634-20ABP	634-20ABP	Q	Slim Profile Unidirectional Fin Vertical Mount	TO-218 TO-220	-	.64 x .64 x 1.0	1.73	1.49	1.41
567-641-A	641-A	R	Maximum Performance, Mounting Holes	TO-3	36°C @ 15W	4.13 x 3.0 x 1.0	10.02	9.52	9.04
567-641-K	641-K	R	Maximum Performance Convection	TO-3	36°C @ 15W	4.13 x 3.0 x 1.0	10.02	9.52	9.04

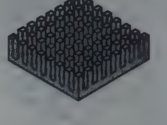
A


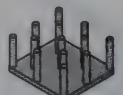
B


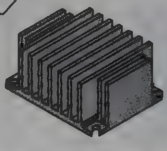
C


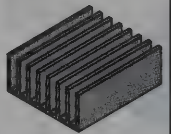
D


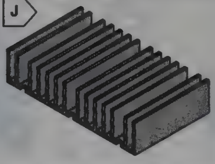
E


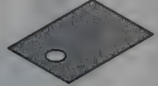
F


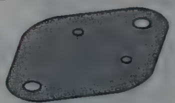
G


H


I


J


K


L


POWER HEAT SINKS (CONT.)

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Wakefield Part No.	Fig.	Description	Dimensions: in. (mm) L x W x H	Price Each		
					1	10	100
567-680-125A	680-125A	A	TO-3, TO-220 Maximum Efficiency Omnidirectional	1.81 (45.97) x 1.81 (45.97) x 1.25 (31.75)	8.85	8.08	7.68
567-690-3B	690-3B	B	TO-3, TO-66, TO-220 Highest Efficiency/Lowest Unit Cost	1.86(47.2) Sq x 1.31(33.3) Hgt	1.90	1.52	1.29
567-401-K	401-K	C	TO-3; Stud-Mount Double-Surface	4.75 (120.65) x 1.5 (38.1) x 1.25 (31.75)	11.61	11.03	10.48
567-401-A	401-A	C	TO-3; Stud-Mount Double-Surface, Mounting Hole	4.75 (120.65) x 1.5 (38.1) x 1.25 (31.75)	11.61	11.03	10.48
567-421-K	421-K	C	TO-3, DO-5; Stud-Mount Low-Height Double-Surface	4.75 (120.65) x 3.0 (76.2) x 2.62 (66.55)	13.60	12.93	12.28
567-423-K	423-K	C	TO-3, DO-5; Stud-Mount Low-Height Double-Surface	4.75 (120.65) x 5.5 (139.7) x 2.62 (66.55)	20.59	19.56	18.58
567-392-180AB	392-180AB	D	High-Performance, Power Modules, IGBT and Solid State Relays	7.09 (180) x 4.92 (124.97) x 5.34 (135.64)	143.16	128.84	121.69

BGA HEAT SINKS

For quantities of 500 and up, call for quote.

567-609-50ABS3	609-50ABS3	E	40 mm C4QFP, 21mm CBGA	2.98 (73.41) x 2.0 (50.8) x .5 (12.7)	7.08	6.37	6.02
567-624-25ABT4	624-25ABT4	F	Omnidirectional Pin Fin 21 mm	.827 (.21.01) x .827 (.21.01) x .25 (6.35)	1.86	1.76	1.67
567-625-25ABT4	625-25ABT4	F	Omnidirectional Pin Fin 25 mm	.984 ((24.99) x .984 (24.99) x .25 (6.35)	2.01	1.85	1.76
567-628-40AB	628-40AB	F	IntelDX4™, Intel 80486DX2™, and AM486™DX2, AM486™DX4	1.75 (44.45) x 1.7 (43.18) x .40 (10.16)	2.38	1.90	1.62
567-628-65AB	628-65AB	F	IntelDX4™, Intel 80486DX2™, and AM486™DX2, AM486™DX4	1.75 (44.45) x 1.7 (43.18) x .65 (16.51)	3.20	2.56	2.18
567-658-25AB	658-25AB	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, No Tape	1.1 (27.94) x 1.1 (27.94) x .25 (6.35)	1.05	.84	.71
567-658-25ABT1	658-25ABT1	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-405	1.1 (27.94) x 1.1 (27.94) x .25 (6.35)	2.43	1.94	1.65
567-658-25ABT4	658-25ABT4	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-410	1.1 (27.94) x 1.1 (27.94) x .25 (6.35)	2.60	2.08	1.77
567-658-35AB	658-35AB	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, No Tape	1.1 (27.94) x 1.1 (27.94) x .35 (8.89)	1.05	.84	.71
567-658-35ABT3	658-35ABT3	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-412	1.1 (27.94) x 1.1 (27.94) x .35 (8.89)	2.55	2.04	1.73
567-658-35ABT4	658-35ABT4	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-410	1.1 (27.94) x 1.1 (27.94) x .35 (8.89)	2.60	2.08	1.77
567-658-45AB	658-45AB	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, No Tape	1.1 (27.94) x 1.1 (27.94) x .45 (11.43)	1.15	.92	.78
567-658-45ABT4	658-45ABT4	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-410	1.1 (27.94) x 1.1 (27.94) x .45 (11.43)	2.70	2.16	1.84
567-658-60AB	658-60AB	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, No Tape	1.1 (27.94) x 1.1 (27.94) x .60 (15.24)	1.33	1.06	.90
567-658-60ABT3	658-60ABT3	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-412	1.1 (27.94) x 1.1 (27.94) x .60 (15.24)	2.75	2.20	1.87
567-658-60ABT4	658-60ABT4	F	PowerQuad2™, 28-38 mm Omnidirectional Pin Fin, Chomerics T-410	1.1 (27.94) x 1.1 (27.94) x .60 (15.24)	2.83	2.26	1.92
567-D10650-40	D10650-40	G	Pin Fin for 84 - 100 pin PQFP & 169 BGA	.65 (16.51) x .65 (16.51) x .40 (10.16)	1.95	1.40	1.00
567-D10850-40	D10850-40	G	Pin Fin for 128 - 208 Pin PQFP & 313 BGA	.85 (21.59) x .85 (21.59) x .40 (10.16)	2.40	1.75	1.20

DC/DC Converter Heat Sinks

- Black Anodize

For quantities of 500 and up, call for quote.

567-537-24AB	537-24AB	H	Quarter Brick Horizontal Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .24 (6.1)	3.80	3.04	2.58
567-537-45AB	537-45AB	H	Quarter Brick Horizontal Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .45 (11.43)	5.50	4.40	3.74
567-537-95AB	537-95AB	H	Quarter Brick Horizontal Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .95 (24.13)	6.20	4.96	4.22
567-547-24AB	547-24AB	H	Quarter Brick Vertical Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .24 (6.1)	3.80	3.04	2.58
567-547-45AB	547-45AB	H	Quarter Brick Vertical Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .45 (11.43)	6.40	6.00	5.68
567-547-95AB	547-95AB	H	Quarter Brick Vertical Fin Orientation	1.45 (36.82) x 2.28 (57.91) x .95 (24.13)	9.95	7.96	7.16
567-517-95AB	517-95AB	I	Half Brick Horizontal Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .95 (24.13)	4.63	3.70	3.15
567-518-95AB	518-95AB	I	Half Brick Vertical Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .95 (24.13)	4.95	3.96	3.37
567-518-95AB-MS4	518-95AB-MS4	I	Half Brick Vertical Fin Orientation w/HDWR and Deltalink IV Thermal Pad	2.28 (57.91) x 2.4 (60.96) x .95 (24.13)	7.53	6.92	5.88
567-527-45AB	527-45AB	I	Half Brick Horizontal Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .45 (11.43)	3.93	3.14	2.67
567-527-24AB	527-24AB	I	Half Brick Horizontal Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .24 (6.1)	3.25	2.60	2.21
567-528-24AB	528-24AB	I	Half Brick Vertical Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .24 (6.1)	3.60	2.88	2.45
567-528-45AB	528-45AB	I	Half Brick Vertical Fin Orientation	2.28 (57.91) x 2.4 (60.96) x .45 (11.43)	4.28	3.42	2.91
567-557-140AB	557-140AB	J	Full Brick Horizontal Fin Orientation	2.4 (60.96) x 4.6 (116.84) x 1.4 (35.56)	13.50	12.82	12.18

Thermal Pads

For quantities of 500 and up, call for quote.

567-173-7-220P	173-7-220P	K	TO-220 DeltaPads™ .007" (.18mm) Insulator	.71 (18.03) x .50 (12.7) .141 dia. (3.6 dia.)	.46	.34	.26
567-173-9-240P	173-9-240P	K	TO-220 DeltaPads™ .009" (.23mm) Insulator	.75 (19.05) x .50 (12.7) .147 dia. (3.7 dia.)	.60	.48	.41
567-175-6-220P	175-6-220P	K	TO-220 Kapton® .006" (.15mm) Reinforced Insulator	.71 (18.03) x .50 (12.7) .141 dia. (3.6 dia.)	.32	.29	.27
567-175-6-230P	175-6-230P	K	TO-220 Kapton® .006" (.15mm) Reinforced Insulator	.71 (18.03) x .50 (12.7) .125 dia. (3.2 dia.)	.25	.21	.19
567-175-6-240P	175-6-240P	K	TO-220 Kapton® .006" (.15mm) Reinforced Insulator	.75 (19.05) x .50 (12.7) .147 dia. (3.7 dia.)	.27	.22	.19
567-175-6-280P	175-6-280P	K	TO-220 Kapton® .006" (.15mm) Reinforced Insulator	.86 (21.8) x .74 (18.8) .16 dia. (4.1 dia.)	.40	.32	.27
567-175-6-310P	175-6-310P	L	TO-3 Kapton® .006" (.15mm) Reinforced Insulator	1.59 (40.5) x 1.14 (29.0) .062 dia. (1.6 dia.)	.60	.48	.41

Thermal Joint Compound

- Shelf Life-5 years

RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Wakefield Part No.	Description	Price Each		
			1	10	100
567-120-SA	120-SA	Silicon Thermal Grease, 4 g. plastic pack	4.40	3.52	2.99
567-120-2	120-2	Silicon Thermal Grease, 2 oz. jar	8.52	7.67	7.24
567-120-5	120-5	Silicon Thermal Grease, 5 oz. tube	23.98	19.18	16.30
567-120-8	120-8	Silicon Thermal Grease, 8 oz. jar	23.38	21.04	19.87
567-120-80	120-80	Silicon Thermal Grease, 5lb can	148.32	133.49	126.07
567-126-2	126-2	Synthetic Non-Silicon Thermal Grease, 2 oz. tube	13.74	12.70	10.99
567-126-4	126-4	Synthetic Non-Silicon Thermal Grease, 4 oz. tube	21.02	18.92	17.87

POWER, TEST, TOOLS, AND SUPPLIES

Section Pages : 1741 - 1969

Sponsored by:

FLUKE ®
The Name You Trust for Test Equipment!
TLK287
NEW
TL2X4W-PTII
8846A 6.5 Digit Multimeter
NEW
287 True-rms Electronic Logging Multimeter with TrendCapture
NEW
125 Industrial ScopeMeter®
VDC
0.05
0.12
0.07
0.02
Maximum
Average
Minimum
Save
Stop
Cancel
05/03/07 11:54:28pm
VDC
Elapsed TIME
Summary
Close

Are you sure your equipment passes the test? Rely on Fluke Multimeters, ScopeMeters, and accessory kits to keep your equipment running smoothly.

Designed for electronic engineers, Fluke introduces its new 287 True-RMS electronic multimeter with TrendCapture graphing capability to review logged data. The corresponding TLK287 accessory kit contains multipurpose test leads, probes, and clips.

Fluke's 8846A 6.5 digit precision multimeter is precise and versatile enough to handle demanding measurements on the bench or in a system. And its corresponding TL2X4W-PTII 2x4 wire ohms test lead accessory performs 4-wire measurements with only two test leads.

The Industrial ScopeMeter® 125 simultaneously measures and checks waveforms, as well as power measurements and bus health.

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser! For more information about our extensive line of Fluke products, visit *www.mouser.com/fluke* today to easily buy online!

www.mouser.com/fluke (800) 346-6873

MOUSER ELECTRONICS®
a tti company

The Newest Products
For Your Newest Designs

POWER

Power Transformers

C&D Technologies . . . 1743
Hammond . . . 1744-1748
Xicon . . . 1749
Staco Energy Products . . . 1749
Amseco . . . 1749
Stancor . . . 1750-1752
Tamura . . . 1753
Triad Magnetics . . . 1754-1757

DC-DC Converters

Artesyn Technologies . . . 1758-1760
C&D Technologies . . . 1761-1774
Cincon . . . 1775-1780
Datel (C&D Technologies) . . . 1770-1774
ETA-USA . . . 1781-1782
Fujitsu . . . 1783
Tyco Electronics Power Systems . . . 1784-1785
Vishay . . . 1786

Power Supplies

Artesyn Technologies . . . 1787
Astec Power . . . 1788
C&D Technologies . . . 1789
Cincon . . . 1790-1791
Condor / SL Power . . . 1792-1798
Elpac Power Systems . . . 1799-1800
ETA-USA . . . 1801
International Power . . . 1802
Mean Well . . . 1803-1805
Omron . . . 1806-1807
Phihong . . . 1808
Phoenix Contact . . . 1809-1810
Sola/Hevi-Duty . . . 1811-1815
Tamura . . . 1816
Triad Magnetics . . . 1817

AC Adapters

Astec Power . . . 1818
Ault / SL Power . . . 1819-1821
Cincon . . . 1822-1823
Elpac Power Systems . . . 1824-1825
Phihong . . . 1826-1829
Triad Magnetics . . . 1829
Xicon . . . 1830

Power Filters

Corcom/Tyco Electronics . . . 1831-1833
Schaffner . . . 1834-1837
Schurter . . . 1838

Power Outlets, UPS & Conditioners

APC . . . 1839
Phoenix Contact . . . 1840
Sola/Hevi-Duty . . . 1841-1843
Tripp Lite . . . 1844-1845
Wiremold . . . 1846-1847

BATTERIES

Consumer Battery Finder . . . 1848

Non-Rechargeable

Duracell, Energizer, Golden Power, GP . . . 1849

Rechargeable

Energizer, GP, Sanyo . . . 1850
Power-Sonic . . . 1850, 1852
Rechargeable Battery Packs . . . 1851
CSB . . . 1852
EnerSys . . . 1853
Panasonic . . . 1853, 1856
Ultralife . . . 1859
Varta . . . 1854, 1859

Lithium

Tadiran . . . 1855
Panasonic . . . 1856
Energizer . . . 1857-1858
Renata . . . 1857-1858
Sanyo . . . 1857-1858
GP . . . 1858
Ultralife . . . 1859
Varta . . . 1859

Battery Holders & Contacts

Bourns . . . 1860
Bulgin . . . 1861
Eagle Plastic Devices . . . 1862-1865
Keystone . . . 1866

TEST, TOOLS, SUPPLIES

Panel Meters

Datel (C&D Technologies) . . . 1867-1869
Jewell Modutec . . . 1870
Simpson . . . 1871-1874

Test Equipment & Benchtop Power Supplies

Simpson . . . 1874
Amprobe . . . 1875
B&K Precision . . . 1876-1880
Extech . . . 1881-1883
Fluke . . . 1884-1893
Global Specialties . . . 1894
Megger . . . 1895-1897
Protek . . . 1898-1899

Test Connectors

3M . . . 1900
IDI . . . 1901-1902
Kobiconn . . . 1903
Mueller . . . 1904-1905
Pomona . . . 1906-1909
Silvertronic . . . 1910

Hand Tools

AMP . . . 1911
Molex . . . 1912
Sargent . . . 1913
3M . . . 1914
Eagle Plastic Devices . . . 1914, 1922
WIHA Tools . . . 1915-1918, 1922
Xcelite . . . 1915, 1919, 1922
Cooper Hand Tools . . . 1915, 1919, 1922
Plato . . . 1915
Erem . . . 1916
OK Industries . . . 1920-1921
Spectrol . . . 1922

Desktop Tools

Deltron . . . 1923
Greenlee . . . 1923-1924
PanaVise . . . 1925
Luxo . . . 1926

Soldering Tools & Products

Metcal . . . 1927
OK International . . . 1927, 1928
Weller . . . 1929-1933
Xcelite . . . 1933
Esico-Triton . . . 1934
Plato . . . 1934-1935
OK Industries . . . 1934
Eagle Plastic Devices . . . 1936
WAHL . . . 1936
AIM . . . 1937
Kester . . . 1938

Supplies

Techspray . . . 1939-1942
Chemtronics . . . 1943
Circuit Works . . . 1943
Solder-Wick . . . 1943
3M . . . 1944-1948
Desco . . . 1949-1950
Protektive Pak . . . 1950
Menda . . . 1951
SPI Westek . . . 1952
MG Chemicals . . . 1953-1955

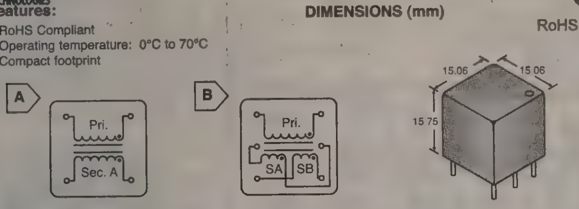
Prototyping

MG Chemicals . . . 1955
3M . . . 1956
PSP . . . 1956, 1957
Toner Transfer System . . . 1957
Bellin . . . 1958
BPS . . . 1959
Global Specialties . . . 1960
SchmartBoard . . . 1961
Twin Industries . . . 1962-1963
Keystone . . . 1963
Eagle Plastic Devices . . . 1963
Vector . . . 1964-1965
Prototyping Kits . . . 1966-1969

1000 SERIES PULSE TRANSFORMERS

Features:
- RoHS Compliant
- Operating temperature: 0°C to 70°C
- Compact footprint

RoHS Compliant



For quantities of 50 and up, call for quote.

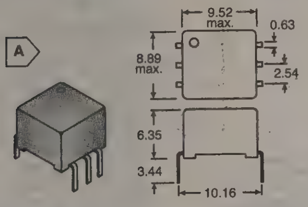
MOUSER STOCK NO.	Fig	Primary Ind. Max (mH)	RDC Max. (Ω)			Isolation Voltage	Price Each			
			Primary	Sec. A	Sec. B		1	5	10	25
580-1001C	A	3	1.2	1.0	- - -	2000	4.31	4.29	4.26	4.21
580-1002C	B	3	1.4	1.3	1.7	2000	4.75	4.74	4.70	4.64
580-1003C	B	12	4.0	1.8	2.4	2000	5.12	5.08	5.05	5.00

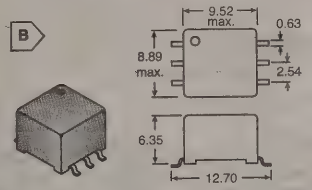
78250 SERIES CONVERTER TRANSFORMERS

The 78250 Series of converter transformers are specifically designed for use with Maxim chip sets to provide isolated RS232 interfaces. Carefully controlled turns ratios ensure consistent performance whilst a toroidal construction minimizes EMI.

Features:
- RoHS Compliant
- Standard pinout
- Fully encapsulated
- Maxim compatible
- Operating temperature: -40°C to 85°C

RoHS Compliant





DIMENSIONS (mm)

◆ Surface Mount Device

For quantities of 50 and up, call for quote.

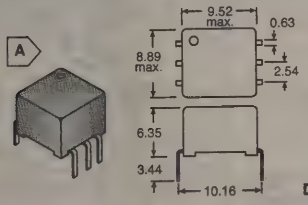
MOUSER STOCK NO.	Fig	Primary Ind. Max. (mH)	Leakage Ind. Max. (μH)	RDC Max. (Ω)	Isolation Voltage	Price Each			
						1	5	10	25
580-78250C	A	2.5	3.0	2	1500	2.64	2.56	2.23	2.14
◆580-78250MC	B	2.5	3.0	2	1500	2.66	2.64	2.62	2.59
580-78250VC	A	2.5	40	2	4000	3.43	3.42	3.40	3.35
◆580-78250MVC	B	2.5	40	2	4000	3.43	3.42	3.40	3.35

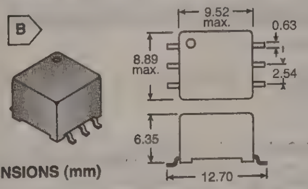
78253 SERIES CONVERTER TRANSFORMERS

The 78253 Series of converter transformers are designed for use with the MAX253 chip set to provide isolated power supplies. A centre tapped secondary winding allows for full bridge, half bridge or voltage doubling.

Features:
- RoHS Compliant
- Industrial standard pinout
- Fully encapsulated
- MAX253 compatible
- Operating temperature: -40°C to 85°C

RoHS Compliant





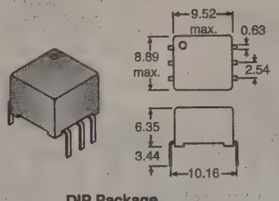
DIMENSIONS (mm)

◆ Surface Mount Device

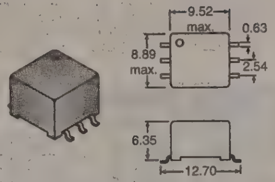
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig	Input Voltage	Output Voltage	Output Current (mA max.)	Isolation Voltage	Price Each			
						1	5	10	25
580-7825335C	A	3.3	5.0	100	1500	2.66	2.64	2.62	2.59
◆ 580-7825335MC	B	3.3	5.0	100	1500	2.66	2.64	2.62	2.59
580-7825355C	A	5.0	5.0	200	1500	2.66	2.64	2.62	2.59
◆ 580-7825355MC	B	5.0	5.0	200	1500	2.66	2.64	2.62	2.59
580-7825335VC	A	3.3	5.0	100	4000	3.43	3.42	3.40	3.35
◆ 580-7825335MVC	B	3.3	5.0	100	4000	3.43	3.42	3.40	3.35
580-7825355VC	A	5.0	5.0	200	4000	3.43	3.33	2.90	2.78
◆ 580-7825355MVC	B	5.0	5.0	200	4000	3.43	3.42	3.40	3.35

786 SERIES PULSE TRANSFORMERS



DIP Package



SMD Package

DIMENSIONS (mm)

Features:
- RoHS Compliant
- Inductance to 10mH
- Toroidal Construction
- Fully encapsulated
- Isolation to 1kVrms

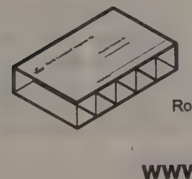
RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Turns Ratio	Prim. Ind. Min. (μH)	Leak. Ind. Max. (μH)	Price Each			
					1	5	10	25
DIP Package								
580-786014C	78601/4C	1:1	100	0.19	1.57	1.56	1.55	1.53
580-786013C	78601/3C	1:1	200	0.20	1.57	1.56	1.55	1.53
580-786012C	78601/2C	1:1	500	0.25	1.57	1.56	1.55	1.53
580-786018C	78601/8C	1:1	1000	0.29	1.57	1.56	1.55	1.53
580-786011C	78601/1C	1:1	2000	0.47	1.57	1.56	1.55	1.53
580-7860116C	78601/16C	1:1	5000	0.47	1.57	1.56	1.55	1.53
580-786019C	78601/9C	1:1	10000	0.86	1.57	1.56	1.55	1.53
580-786024C	78602/4C	1:1:1	100	0.11	1.57	1.56	1.55	1.53
580-786023C	78602/3C	1:1:1	200	0.17	1.57	1.56	1.55	1.53
580-786022C	78602/2C	1:1:1	500	0.27	1.57	1.56	1.55	1.53
580-786028C	78602/8C	1:1:1	1000	0.35	1.57	1.56	1.55	1.53
580-786021C	78602/1C	1:1:1	2000	0.60	1.57	1.56	1.55	1.53
580-7860216C	78602/16C	1:1:1	5000	0.71	1.57	1.56	1.55	1.53
580-786029C	78602/9C	1:1:1	10000	0.71	1.57	1.56	1.55	1.53
580-786044C	78604/4C	2:1	100	0.41	1.57	1.56	1.55	1.53
580-786043C	78604/3C	2:1	200	0.49	1.57	1.56	1.55	1.53
580-7860416C	78604/16C	2:1	5000	1.61	1.57	1.56	1.55	1.53
580-786049C	78604/9C	2:1	10000	1.64	1.57	1.56	1.55	1.53
580-786134C	78613/4C	1CT:1	100	0.30	1.57	1.56	1.55	1.53
580-786133C	78613/3C	1CT:1	200	0.65	1.57	1.56	1.55	1.53
580-786138C	78613/8C	1CT:1	1000	1.13	1.57	1.56	1.55	1.53
580-786139C	78613/9C	1CT:1	10000	3.83	1.57	1.56	1.55	1.53
580-786154C	78615/4C	1CT:1CT	100	1.21	1.57	1.56	1.55	1.53
580-786153C	78615/3C	1CT:1CT	200	3.64	1.57	1.56	1.55	1.53
580-786158C	78615/8C	1CT:1CT	1000	11.90	1.57	1.56	1.55	1.53
580-786151C	78615/1C	1CT:1CT	2000	16.00	1.57	1.56	1.55	1.53
580-7861516C	78615/16C	1CT:1CT	5000	37.70	1.57	1.56	1.55	1.53
580-786159C	78615/9C	1CT:1CT	10000	44.50	1.57	1.56	1.55	1.53
SMD Package								
580-786014MC	78601/4MC	1:1	100	0.19	1.57	1.56	1.55	1.53
580-786013MC	78601/3MC	1:1	200	0.20	1.57	1.57	1.55	1.53
580-786012MC	78601/2MC	1:1	500	0.25	1.57	1.57	1.55	1.53
580-786018MC	78601/8MC	1:1	1000	0.29	1.57	1.57	1.55	1.53
580-786011MC	78601/1MC	1:1	2000	0.47	1.67	1.66	1.65	1.63
580-7860116MC	78601/16MC	1:1	5000	0.47	1.57	1.57	1.55	1.53
580-786019MC	78601/9MC	1:1	10000	0.86	1.57	1.56	1.55	1.53
580-78602/2MC-R	78602/2MC-R	1:1	500	0.27	1.84	1.79	1.75	1.70
580-7860216M-R	7860216M-R	1:1	5000	0.71	1.55	1.52	1.50	1.48
580-786021M-R	786021M-R	1:1	2000	0.60	1.55	1.52	1.50	1.48
580-786022MC	78602/2MC	1:1:1	500	0.27	1.57	1.57	1.55	1.53
580-786021MC	78602/1MC	1:1:1	2000	0.60	1.57	1.56	1.55	1.53
580-7860216MC	78602/16MC	1:1:1	5000	0.71	1.57	1.57	1.55	1.53
580-786029MC	78602/9MC	1:1:1	10000	0.71	1.57	1.57	1.55	1.53
580-786048MC	78604/8MC	2:1	1000	0.76	1.57	1.56	1.55	1.53
580-786133MC	78613/3MC	1CT:1	200	0.65	1.57	1.56	1.55	1.53

MAGNETIC PRODUCTS KIT

Features:
- A selection of 118 Inductors and Transformers from C&D Technologies, Inc.
- RoHS Compliant



RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Quantity	Values Contained in Kit	Price Each		
				1	3	5
370-580-MAGNETICSKIT	Bobbin Type Inductors	2 Pieces of 6 Values	10-470μH	228.60	207.82	184.35
	Radial Lead Inductors	2 Pieces of 12 Values	10-470μH			
	Toroidal SMD Inductors	2 Pieces of 12 Values	10-330μH			
	Converter Transformers	2 Pieces of 4 Values	4kV-6kV Isolation			
	MAX253 Compatible Converter Transformers	2 Pieces of 2 Values	3.3 to 5.5Vin 5Vout			
	Transformers for Digital Audio Data Transmission	2 Pieces of 3 Values	1-5.96mH			
	Pulse Transformers	2 Pieces of 10 Values	200-5000μH			
	Bobbin Wound SMD Inductors	2 Pieces of 6 Values	10μH			
	Dual Winding SMD Inductors	2 Pieces of 1 Values	10μH			
	Current Sensing Transformers	2 Pieces of 3 Values	20-335mH 1-3V			

HAMMOND Power Transformers

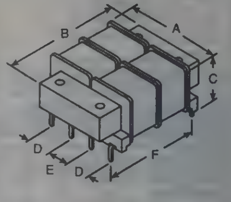
LOW VOLTAGE PC BOARD MOUNT LOW PROFILE DUAL POWER TRANSFORMERS

- Low profile mounting, dual - split bobbin design
- Low primary to secondary coupling, balanced windings, no electrostatic shield required and low EMF radiation due to semi-toroidal design
- CSA certified (File # LR3902) and UL recognized (File #E50394)
- Universal dual primary: 115/230V - 50/60 Hz
- High insulation: Hi-pot of 1750V RMS
- Class B insulation: 130°C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Size (VA)	Dimensions (In.)						Secondary (RMS)		Price Each			
				A	B	C	D	E	F	Series	Parallel	1	5	10	50
546-229E10	229E10	A	2	1.56	1.88	0.65	0.38	0.38	1.60	10V C.T. @ 250ma	5V @ 500ma	12.29	10.44	9.83	9.21
546-229E12	229E12	A	2	1.56	1.88	0.65	0.38	0.38	1.60	12.6V C.T. @ 200ma	6.3V @ 400ma	12.29	10.44	9.83	9.21
546-229A12	229A12	A	6	1.56	1.88	0.85	0.38	0.38	1.60	12.6V C.T. @ 450ma	6.3V @ 900ma	15.40	13.03	12.10	11.30
546-229B12	229B12	A	12	2.00	2.50	1.07	0.50	0.50	2.00	12.6V C.T. @ 900ma	6.3V @ 1.8A	20.26	17.14	15.92	14.86
546-229A16	229A16	A	6	1.56	1.88	0.85	0.38	0.38	1.60	16V C.T. @ 350ma	8V @ 700ma	15.40	13.03	12.10	11.30
546-229B16	229B16	A	12	2.00	2.50	1.07	0.50	0.50	2.00	16V C.T. @ 700ma	8V @ 1.4A	18.24	15.43	14.33	13.38
546-229A20	229A20	A	6	1.56	1.88	0.85	0.38	0.38	1.60	20V C.T. @ 300ma	10V @ 600ma	13.85	11.72	10.88	10.16
546-229B20	229B20	A	12	2.00	2.50	1.07	0.50	0.50	2.00	20V C.T. @ 600ma	10V @ 1.2A	18.17	15.36	14.27	13.32
546-229A24	229A24	A	6	1.56	1.88	0.85	0.38	0.38	1.60	24V C.T. @ 250ma	12V @ 500ma	15.40	13.03	12.10	11.30
546-229B24	229B24	A	12	2.00	2.50	1.07	0.50	0.50	2.00	24V C.T. @ 500ma	12V @ 1A	20.26	17.14	15.92	14.86
546-229E30	229E30	A	2	1.56	1.88	0.65	0.38	0.38	1.60	30V C.T. @ 85ma	15V @ 170ma	12.29	10.44	9.83	9.21
546-229A30	229A30	A	6	1.56	1.88	0.85	0.38	0.38	1.60	30V C.T. @ 200ma	15V @ 400ma	15.40	13.03	12.10	11.30
546-229B30	229B30	A	12	2.00	2.50	1.07	0.50	0.50	2.00	30V C.T. @ 400ma	15V @ 800ma	20.26	17.14	15.92	14.86
546-229B34	229B34	A	12	2.00	2.50	1.07	0.50	0.50	2.00	34V C.T. @ 340ma	17V @ 680ma	20.26	17.14	15.92	14.86
546-229A40	229A40	A	6	1.56	1.88	0.85	0.38	0.38	1.60	40V C.T. @ 150ma	20V @ 300ma	15.40	13.03	12.10	11.30
546-229B40	229B40	A	12	2.00	2.50	1.07	0.50	0.50	2.00	40V C.T. @ 300ma	20V @ 600ma	20.26	17.14	15.92	14.86
546-229A230	229A230	A	6	1.56	1.88	0.85	0.38	0.38	1.60	230V C.T. @ 25ma	115V @ 50ma	15.40	13.03	12.10	11.30

A



RoHS Compliant

LOW VOLTAGE OPEN STYLE POWER TRANSFORMERS

- Choice of two primaries: Single Primary 115VAC or Dual Primary 115/230
- Either series operates on 50/60 Hz
- Combination solder or quick connect terminals
- Split bobbin construction means no electrostatic shield is necessary
- Hi-pot tested to 2 KV RMS
- Economical open style, channel frame - chassis mount design
- UL listed & CSA certified

Single Primary 115V

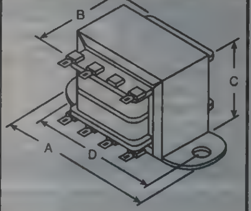
MOUSER STOCK NO.	Hammond Part No.	Fig.	Price Each		Dimensions (In.)			
			1	5	A	B	C	D
546-187C10	187C10	B	12.21	10.32	2.81	1.37	1.62	2.37
546-187B12	187B12	B	9.97	8.43	2.37	1.25	1.37	2.00
546-187C12	187C12	B	11.00	9.30	2.81	1.37	1.62	2.37
546-187D12	187D12	B	15.14	12.82	3.25	1.68	1.93	2.81
546-187F12	187F12	B	31.25	26.45	4.03	2.25	2.56	3.50
546-187C16	187C16	B	11.00	9.30	2.81	1.37	1.62	2.37
546-187E20	187E20	B	23.17	19.60	3.68	1.81	2.25	3.12
546-187D24	187D24	B	15.14	12.82	3.25	1.68	1.93	2.81
546-187E24	187E24	B	20.85	17.64	3.68	1.81	2.25	3.12
546-187F24	187F24	B	31.25	26.45	4.03	2.25	2.56	3.50
546-187E36	187E36	B	20.85	17.64	3.68	1.81	2.25	3.12
546-187F48	187F48	B	31.25	26.45	4.03	2.25	2.56	3.50
546-187B120	187B120	B	9.97	8.43	2.37	1.25	1.37	2.00

Dual Primary 115/230V

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Size VA	Secondary (RMS)	Current (Amps)	Price Each	
					1	5
546-186C10	186C10	12	10VCT	1.2	14.87	12.59
546-186B12	186B12	6.3	12.6VCT	0.5	12.14	10.28
546-186C12	186C12	12.6	12.6VCT	1	13.38	11.33
546-186D12	186D12	31.5	12.6VCT	2.5	17.24	14.58
546-186F12	186F12	100.8	12.6VCT	8	29.58	25.03
546-186C16	186C16	12.8	16VCT	0.8	13.38	11.33
546-186E20	186E22	56	20VCT	2.8	21.38	18.10
546-186D24	186D24	30	24VCT	1.25	17.24	14.58
546-186E24	186E26	57.6	24VCT	2.4	21.38	18.10
546-186F24	186F24	96	24VCT	4	32.85	27.80
546-186E36	186E38	54	36VCT	1.5	21.38	18.10
546-186F48	186F48	96	48VCT	2	29.58	25.03
546-186B120	186B120	6	120VCT	0.05	12.14	10.28

B



RoHS Compliant

LOW VOLTAGE PC BOARD MOUNT LOW PROFILE POWER TRANSFORMERS

- Both series operate on 50/60 Hz current
- Low profile, split bobbin design
- One year warranty
- High insulation: Hi-pot of 2500V RMS
- CSA certified (# LR3902) and UL recognized (# E50394)
- Dual winding secondaries, non-concentrically wound
- Low primary to secondary coupling - no electrostatic shield required.
- No mounting hardware required on 1.1 and 2.4 VA sizes, two hole mounting on 6, 12 and 20VA sizes, four hole mounting on 36VA size (mounting screws not provided). P.C. board mount with industry standard pin spacing.

Single Primary 115V

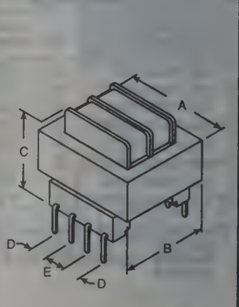
MOUSER STOCK NO.	Hamm. Part No.	Fig.	Price Each		Dimensions (In.)				
			1	5	A	B	C	D	E
546-164D10	164D10	C	9.13	7.73	1.38	1.13	1.31	0.25	0.25
546-164E10	164E10	C	10.19	8.62	1.38	1.13	1.19	0.25	0.25
546-164G10	164G10	C	11.93	10.09	1.88	1.56	1.50	0.30	0.40
546-164E12	164E12	C	9.18	7.77	1.38	1.13	1.19	0.25	0.25
546-164F12	164F12	C	10.55	8.93	1.63	1.31	1.31	0.25	0.35
546-164G12	164G12	C	11.93	10.09	1.88	1.56	1.50	0.30	0.40
546-164J16	164J16	C	17.40	14.73	2.63	2.19	1.56	0.40	0.40
546-164D20	164D20	C	9.13	7.73	1.38	1.13	1.31	0.25	0.25
546-164E20	164E20	C	9.18	7.77	1.38	1.13	1.19	0.25	0.35
546-164F20	164F20	C	10.55	8.93	1.63	1.31	1.31	0.25	0.35
546-164G20	164G20	C	13.25	11.21	1.88	1.56	1.50	0.30	0.40
546-164H20	164H20	C	14.33	12.12	2.25	1.88	1.44	0.30	0.40
546-164J20	164J20	C	17.40	14.73	2.63	2.19	1.56	0.40	0.40
546-164D24	164D24	C	9.13	7.73	1.38	1.13	1.31	0.25	0.25
546-164E24	164E24	C	9.18	7.77	1.38	1.13	1.19	0.25	0.35
546-164F24	164F24	C	10.55	8.93	1.63	1.31	1.31	0.25	0.35
546-164G24	164G24	C	13.25	11.21	1.88	1.56	1.50	0.30	0.40
546-164H24	164H24	C	14.33	12.12	2.25	1.88	1.44	0.30	0.40
546-164J24	164J24	C	17.40	14.73	2.63	2.19	1.56	0.40	0.40
546-164D28	164D28	C	9.13	7.73	1.38	1.13	1.31	0.25	0.25
546-164E28	164E28	C	10.19	8.62	1.38	1.13	1.19	0.25	0.25
546-164F28	164F28	C	10.55	8.93	1.63	1.31	1.31	0.25	0.35
546-164G28	164G28	C	11.93	10.09	1.88	1.56	1.50	0.30	0.40
546-164H28	164H28	C	14.33	12.12	2.25	1.88	1.44	0.30	0.40
546-164J28	164J28	C	19.33	16.36	2.63	2.19	1.56	0.40	0.40
546-164D36	164D36	C	9.13	7.73	1.38	1.13	1.31	0.25	0.25
546-164E36	164E36	C	9.18	7.77	1.38	1.13	1.19	0.25	0.25

Dual Primary 115/230V

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hamm. Part No.	Size VA	Secondary (RMS)		Price Each	
			Series	Parallel	1	5
546-162D10	162D10	1.1	10V C.T. @ .11A	5V @ .22A	10.60	8.97
546-162E12	162E12	2.4	10V C.T. @ .25A	5V @ .5A	10.75	9.10
546-162G10	162G10	12	10V C.T. @ 1.2A	5V @ 2.4A	13.38	11.32
546-162E12	162E12	2.4	12.6V C.T. @ .2A	6.3V @ .4A	10.75	9.10
546-162F12	162F12	6	12.6V C.T. @ .5A	6.3V @ 1.0A	11.64	9.85
546-162G12	162G12	12	12.6V C.T. @ 1.0A	6.3V @ 2.0A	13.19	11.20
546-162J16	162J16	36	16V C.T. @ 2.25A	8V @ 4.5A	19.49	16.49
546-162D20	162D20	1.1	20V C.T. @ .055A	10V @ .11A	10.60	8.97
546-162E20	162E20	2.4	20V C.T. @ .12A	10V @ .24A	10.75	9.10
546-162F20	162F20	6	20V C.T. @ .3A	10V @ .6A	11.64	9.85
546-162G20	162G20	12	20V C.T. @ .6A	10V @ 1.2A	13.19	11.20
546-162H20	162H20	20	20V C.T. @ 1A	10V @ 2.0A	16.31	13.80
546-162J20	162J20	36	20V C.T. @ 1.8A	10V @ 3.6A	19.49	16.49
546-162D24	162D24	1.1	24V C.T. @ .045A	12V @ .09A	10.60	8.97
546-162E24	162E24	2.4	24V C.T. @ .1A	12V @ .2A	10.75	9.10
546-162F24	162F24	6	24V C.T. @ .25A	12V @ .5A	11.64	9.85
546-162G24	162G24	12	24V C.T. @ .5A	12V @ 1.0A	14.85	12.57
546-162H24	162H24	20	24V C.T. @ .8A	12V @ 1.6A	16.07	13.66
546-162J24	162J24	36	24V C.T. @ 1.5A	12V @ 3.0A	19.49	16.49
546-162D28	162D28	1.1	28V C.T. @ .04A	14V @ .08A	10.60	8.97
546-162E28	162E28	2.4	28V C.T. @ .085A	14V @ .17A	10.75	9.10
546-162F28	162F28	6	28V C.T. @ .2A	14V @ .4A	11.64	9.85
546-162G28	162G28	12	28V C.T. @ .42A	14V @ .84A	13.19	11.20
546-162H28	162H28	20	28V C.T. @ .7A	14V @ 1.4A	18.13	15.34
546-162J28	162J28	36	28V C.T. @ 1.3A	14V @ 2.6A	19.49	16.49
546-162D36	162D36	1.1	36V C.T. @ .03A	18V @ .06A	10.60	8.97
546-162E36	162E36	2.4	36V C.T. @ .065A	18V @ .13A	10.75	9.10

C



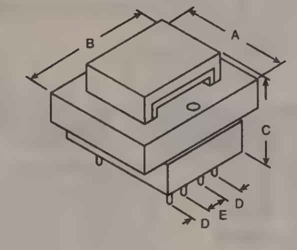
RoHS Compliant

HAMMOND Power Transformers

LOW VOLTAGE PC BOARD MOUNT UNIVERSAL

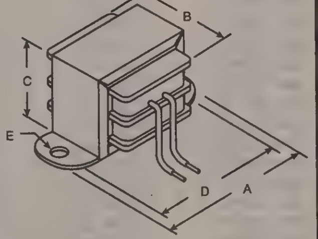
- 14 output voltages to choose from (5 - 36 VAC R.M.S.)
- Six VA size models available from - 2.5 to 56VA
- Universal operation on 50/60 Hz current, 115 or 230V dual primary
- Low profile, split bobbin with top shroud design.
- Dual winding secondaries, non-concentrically wound
- Low primary to secondary coupling - no electrostatic shield required.
- CSA certified (# LR3902) and UL recognized (# E50394).
- One year warranty
- High insulation - Hi-pot of 4,000V RMS
- Class F insulation - 155°C
- Two hole mounting on 2.5, 5, 10, and 20VA sizes, four hole mounting on 30 and 56VA size (mounting screws not provided)
- P.C. board mount with industry standard pin spacing

A



RoHS Compliant

B



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Size VA	Dimensions					Secondary (RMS)		Price Each			
				A	B	C	D	E	Series	Parallel	1	5	10	50
546-183E10	183E10	A	2.5	1.63	1.44	1.13	0.20	0.25	10V C.T. @ .25A	5V @ .5A	**11.76**	**9.95**	**9.25**	**8.63**
546-183F10	183F10	A	5	1.63	1.44	1.38	0.20	0.40	10V C.T. @ .5A	5V @ 1A	**14.14**	**11.96**	**11.11**	**10.36**
546-183G10	183G10	A	10	1.88	1.56	1.38	0.20	0.40	10V C.T. @ 1A	5V @ 2A	**15.57**	**13.18**	**12.24**	**11.42**
546-183H10	183H10	A	20	2.25	1.88	1.63	0.40	0.40	10V C.T. @ 2A	5V @ 4A	**18.76**	**15.88**	**14.74**	**13.76**
546-183J10	183J10	A	30	2.63	2.19	1.56	0.55	0.28	10V C.T. @ 3A	5V @ 6A	**22.23**	**18.82**	**17.47**	**16.31**
546-183K10	183K10	A	56	3.00	2.50	1.81	0.60	0.30	10V C.T. @ 5.6A	5V @ 11.2A	**27.94**	**23.65**	**21.95**	**20.50**
546-183E12	183E12	A	2.5	1.63	1.44	1.13	0.20	0.25	12.6V C.T. @ .2A	6.3V @ .4A	**13.07**	**11.06**	**10.27**	**9.59**
546-183F12	183F12	A	5	1.63	1.44	1.38	0.20	0.40	12.6V C.T. @ .4A	6.3V @ .8A	**14.14**	**11.96**	**11.11**	**10.36**
546-183G12	183G12	A	10	1.88	1.56	1.38	0.20	0.40	12.6V C.T. @ .8A	6.3V @ 1.6A	**15.57**	**13.18**	**12.24**	**11.42**
546-183H12	183H12	A	20	2.25	1.88	1.63	0.40	0.40	12.6V C.T. @ 1.6A	6.3V @ 3.2A	**18.76**	**15.88**	**14.74**	**13.76**
546-183J12	183J12	A	30	2.63	2.19	1.56	0.55	0.28	12.6V C.T. @ 2.4A	6.3V @ 4.8A	**22.23**	**18.82**	**17.47**	**16.31**
546-183K12	183K12	A	56	3.00	2.50	1.81	0.60	0.30	12.6V C.T. @ 4.4A	6.3V @ 8.8A	**27.94**	**23.65**	**21.95**	**20.50**
546-183E16	183E16	A	2.5	1.63	1.44	1.13	0.20	0.25	16V C.T. @ .15A	8V @ .3A	**13.07**	**11.06**	**10.27**	**9.59**
546-183F16	183F16	A	5	1.63	1.44	1.38	0.20	0.40	16V C.T. @ .31A	8V @ .62A	**14.14**	**11.96**	**11.11**	**10.36**
546-183G16	183G16	A	10	1.88	1.56	1.38	0.20	0.40	16V C.T. @ .62A	8V @ 1.25A	**15.57**	**13.18**	**12.24**	**11.42**
546-183H16	183H16	A	20	2.25	1.88	1.63	0.40	0.40	16V C.T. @ 1.25A	8V @ 2.5A	**18.76**	**15.88**	**14.74**	**13.76**
546-183J16	183J16	A	30	2.63	2.19	1.56	0.55	0.28	16V C.T. @ 1.9A	8V @ 3.8A	**22.23**	**18.82**	**17.47**	**16.31**
546-183K16	183K16	A	56	3.00	2.50	1.81	0.60	0.30	16V C.T. @ 3.5A	8V @ 7A	**27.94**	**23.65**	**21.95**	**20.50**
546-183E20	183E20	A	2.5	1.63	1.44	1.13	0.20	0.25	20V C.T. @ .12A	10V @ .24A	**13.07**	**11.06**	**10.27**	**9.59**
546-183F20	183F20	A	5	1.63	1.44	1.38	0.20	0.40	20V C.T. @ .25A	10V @ .5A	**14.14**	**11.96**	**11.11**	**10.36**
546-183G20	183G20	A	10	1.88	1.56	1.38	0.20	0.40	20V C.T. @ .5A	10V @ 1A	**15.57**	**13.18**	**12.24**	**11.42**
546-183H20	183H20	A	20	2.25	1.88	1.63	0.40	0.40	20V C.T. @ 1.0A	10V @ 2A	**18.76**	**15.88**	**14.74**	**13.76**
546-183J20	183J20	A	30	2.63	2.19	1.56	0.55	0.28	20V C.T. @ 1.5A	10V @ 3A	**22.23**	**18.82**	**17.47**	**16.31**
546-183K20	183K20	A	56	3.00	2.50	1.81	0.60	0.30	20V C.T. @ 2.8A	10V @ 5.6A	**27.94**	**23.65**	**21.95**	**20.50**
546-183E24	183E24	A	2.5	1.63	1.44	1.13	0.20	0.25	24V C.T. @ .1A	12V @ .2A	**13.07**	**11.06**	**10.27**	**9.59**
546-183F24	183F24	A	5	1.63	1.44	1.38	0.20	0.40	24V C.T. @ .21A	12V @ .42A	**14.14**	**11.96**	**11.11**	**10.36**
546-183G24	183G24	A	10	1.88	1.56	1.38	0.20	0.40	24V C.T. @ .42A	12V @ .84A	**15.57**	**13.18**	**12.24**	**11.42**
546-183H24	183H24	A	20	2.25	1.88	1.63	0.40	0.40	24V C.T. @ .83A	12V @ 1.66A	**18.76**	**15.88**	**14.74**	**13.76**
546-183J24	183J24	A	30	2.63	2.19	1.56	0.55	0.28	24V C.T. @ 1.25A	12V @ 2.5A	**22.23**	**18.82**	**17.47**	**16.31**
546-183K24	183K24	A	56	3.00	2.50	1.81	0.60	0.30	24V C.T. @ 2.33A	12V @ 4.66A	**27.94**	**23.65**	**21.95**	**20.50**
546-183E28	183E28	A	2.5	1.63	1.44	1.13	0.20	0.25	28V C.T. @ .09A	14V @ .18A	**13.07**	**11.06**	**10.27**	**9.59**
546-183F28	183F28	A	5	1.63	1.44	1.38	0.20	0.40	28V C.T. @ .18A	14V @ .36A	**14.14**	**11.96**	**11.11**	**10.36**
546-183G28	183G28	A	10	1.88	1.56	1.38	0.20	0.40	28V C.T. @ .36A	14V @ .72A	**15.57**	**13.18**	**12.24**	**11.42**
546-183H28	183H28	A	20	2.25	1.88	1.63	0.40	0.40	28V C.T. @ .72A	14V @ 1.44A	**18.76**	**15.88**	**14.74**	**13.76**
546-183J28	183J28	A	30	2.63	2.19	1.56	0.55	0.28	28V C.T. @ 1.06A	14V @ 2.12A	**22.23**	**18.82**	**17.47**	**16.31**
546-183K28	183K28	A	56	3.00	2.50	1.81	0.60	0.30	28V C.T. @ 2A	14V @ 4A	**27.94**	**23.65**	**21.95**	**20.50**
546-183E36	183E36	A	2.5	1.63	1.44	1.13	0.20	0.25	36V C.T. @ .07A	18V @ .14A	**13.07**	**11.06**	**10.27**	**9.59**
546-183F36	183F36	A	5	1.63	1.44	1.38	0.20	0.40	36V C.T. @ .14A	18V @ .28A	**14.14**	**11.96**	**11.11**	**10.36**
546-183G36	183G36	A	10	1.88	1.56	1.38	0.20	0.40	36V C.T. @ .28A	18V @ .56A	**15.57**	**13.18**	**12.24**	**11.42**
546-183H36	183H36	A	20	2.25	1.88	1.63	0.40	0.40	36V C.T. @ .56A	18V @ 1.12A	**18.76**	**15.88**	**14.74**	**13.76**
546-183J36	183J36	A	30	2.63	2.19	1.56	0.55	0.28	36V C.T. @ .82A	18V @ 1.64A	**22.23**	**18.82**	**17.47**	**16.31**
546-183K36	183K36	A	56	3.00	2.50	1.81	0.60	0.30	36V C.T. @ 1.56A	18V @ 3.12A	**27.94**	**23.65**	**21.95**	**20.50**

OPEN STYLE FILAMENT AND L.V. RECTIFIER USE TRANSFORMERS

- Primary 115 VAC, 60 Hz
- All secondaries center tapped, VAC (RMS)
- Open style, channel bracket, two hole chassis mount
- Minimum 6" long leads
- Dual bobbin design - no electrostatic shield required
- Class B insulation (130°C)
- Hi-Pot test of 2,000 VRMS
- UL listed (#E50394) and CSA certified (#LR3902)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	Secondary (RMS)		Dimension (In.)					Price Each	
			VAC	Amps	A	B	C	D	E	1	5
546-166L5	166L5	B	5.0ct	2	2.81	1.63	1.69	2.38	.187	**18.58**	**15.72**
546-166MS	166MS	B	5.0ct	3	3.25	1.75	2.00	2.81	.187	**13.82**	**11.69**
546-166R5	166R5	B	5.0ct	8	3.69	2.00	2.31	3.13	.187	**28.05**	**23.74**
546-166RS	166RS	B	5.0ct	8	4.50	2.50	2.88	4.00	.203	**23.05**	**19.51**
546-166S5	166S5	B	5.0ct	10	3.69	2.13	2.31	3.13	.187	**27.73**	**23.46**
546-166U5	166U5	B	5.0ct	15	4.03	2.25	2.63	3.56	.187	**31.78**	**26.89**
546-166V5	166V5	B	5.0ct	20	4.50	2.50	2.88	4.00	.203	**38.79**	**32.81**
546-166J6	166J6	B	6.3ct	1	2.81	1.50	1.69	2.38	.187	**18.45**	**15.62**
546-166K6	166K6	B	6.3ct	1.2	2.81	1.50	1.69	2.38	.187	**20.19**	**17.09**
546-166L6	166L6	B	6.3ct	2	2.81	1.63	1.69	2.38	.187	**20.62**	**17.46**
546-166N6	166N6	B	6.3ct	4	3.25	1.75	2.00	2.81	.187	**21.82**	**18.46**
546-166Q6	166Q6	B	6.3ct	6	3.69	2.00	2.31	3.13	.187	**27.16**	**22.98**
546-166S6	166S6	B	6.3ct	10	4.03	2.25	2.63	3.56	.187	**32.22**	**27.26**
546-166E12	166E12	B	12.0ct	0.15	2.06	1.38	1.19	1.75	.187	**18.46**	**15.63**
546-166K12	166K12	B	12.0ct	1.2	3.25	1.63	2.00	2.81	.187	**18.91**	**16.00**
546-166F12	166F12	B	12.6ct	0.3	2.38	1.38	1.38	2.00	.187	**17.16**	**14.53**
546-166G12	166G12	B	12.6ct	0.5	2.81	1.50	1.69	2.38	.187	**18.20**	**15.40**
546-166J12	166J12	B	12.6ct	1	2.81	1.63	1.69	2.38	.187	**20.94**	**17.72**
546-166L12	166L12	B	12.6ct	2.5	3.25	2.00	2.00	2.81	.187	**23.24**	**19.66**
546-166N12	166N12	B	12.6ct	4	3.69	2.13	2.31	3.13	.187	**26.89**	**22.76**
546-166Q12	166Q12	B	12.6ct	5	4.03	2.25	2.63	3.56	.187	**33.60**	**28.43**
546-166R12	166R12	B	12.6ct	8	4.50	2.50	2.88	4.00	.203	**33.54**	**28.39**
546-166L22	166L22	B	22.0ct	2	3.69	2.13	2.31	3.13	.187	**25.95**	**21.96**
546-166C24	166C24	B	24.0ct	0.085	2.06	1.38	1.19	1.75	.187	**19.69**	**16.66**

For quantities of 10 and up, call for quote.

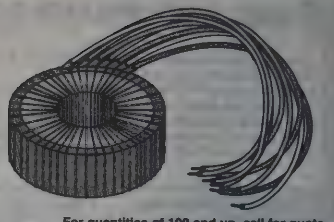
MOUSER STOCK NO.	Hammond Part No.	Fig.	Secondary (RMS)		Dimension (In.)					Price Each	
			VAC	Amps	A	B	C	D	E	1	5
546-166L24	166L24	B	24.0ct	2	3.69	2.13	2.31	3.13	.187	**26.10**	**22.08**
546-166N24	166N24	B	24.0ct	4	4.50	2.50	2.88	4.00	.203	**36.37**	**30.77**
546-166D25	166D25	B	25.0ct	0.1	2.06	1.38	1.19	1.75	.187	**19.93**	**16.86**
546-166E25	166E25	B	25.0ct	0.15	2.38	1.38	1.38	2.00	.187	**16.06**	**13.58**
546-166F25	166F25	B	25.0ct	0.3	2.81	1.50	1.69	2.38	.187	**18.24**	**15.43**
546-166G25	166G25	B	25.0ct	0.5	2.81	1.63	1.69	2.38	.187	**20.62**	**17.46**
546-166J25	166J25	B	25.0ct	1	3.25	1.75	2.00	2.81	.187	**21.87**	**18.51**
546-166K25	166K25	B	25.0ct	1.5	3.69	1.88	2.31	3.13	.187	**23.02**	**19.48**
546-166L25	166L25	B	25.0ct	2	3.69	2.13	2.31	3.13	.187	**26.34**	**22.29**
546-166M25	166M25	B	25.0ct	3	4.03	2.25	2.63	3.56	.187	**32.65**	**27.63**
546-166F28	166F28	B	28.0ct	0.25	2.81	1.50	1.69	2.38	.187	**18.20**	**15.40**
546-166G28	166G28	B	28.0ct	0.5	2.81	1.63	1.69	2.38	.187	**20.91**	**17.68**
546-166J28	166J28	B	28.0ct	1	3.25	2.00	2.00	2.81	.187	**21.91**	**18.54**
546-166L28	166L28	B	28.0ct	2	3.69	2.13	2.31	3.13	.187	**27.00**	**22.85**
546-166E30	166E30	B	30.0ct	0.15	2.38	1.38	1.38	2.00	.187	**16.18**	**13.69**
546-166F30	166F30	B	30.0ct	0.25	2.81	1.50	1.69	2.38	.187	**18.27**	**15.46**
546-166G30	166G30	B	30.0ct	0.5	3.25	1.63	2.00	2.81	.187	**18.65**	**15.78**
546-166J33	166J33	B	33.0ct	1	3.25	2.00	2.00	2.81	.187	**22.54**	**19.06**
546-166K35	166K35	B	35.0ct	1.5	3.69	2.13	2.31	3.13	.187	**23.98**	**20.29**
546-166E36	166E36	B	36.0ct	0.15	2.38	1.50	1.38	2.00	.187	**17.07**	**14.45**
546-166F36	166F36	B	36.0ct	0.3	2.81	1.63	1.69	2.38	.187	**18.47**	**15.63**
546-166G36	166G36	B	36.0ct	0.5	3.25	1.63	2.00	2.81	.187	**21.00**	**17.78**
546-166J36	166J36	B	36.0ct	1	3.69	1.88	2.31	3.13	.187	**23.03**	**19.49**

HAMMOND Toroidal Power Transformers

TOROIDAL POWER TRANSFORMERS

Features:
- Low profile, lightweight, cool running - due to high efficiency toroidal design
- Dual 117/234 VAC primary, 50/60 Hz. operation
- Center single hole mounting
- Supplied with two rubber insulating pads, one metal centering washer and all mounting hardware
- Center bolt size is 6-32
- Minimum 8" long flexible leads
- Due to toroid design - no electrostatic shield required
- Hi-Pot test of 4,000V RMS between primary & secondary
- CSA certified to C22.2 #66 - CSA file #209651
- UL recognized to UL506 - UL file #E207860
- CE certified to IEC950

RoHS Compliant



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	VA	VAC Secondary (RMS)		Outside Dia. (In.)	Height (In.)	Price Each			
			Series	Parallel			1	5	10	50
546-182K6	182K6	15	12V ct @1.25A	6V @ 2.5A	3.20	1.25	45.77	41.19	38.73	34.85
546-182H9	182H9	15	18V ct @ .83A	9V @ 1.66A	3.20	1.25	45.77	41.19	38.73	34.85
546-182G12	182G12	15	24V ct @ .63A	12V @ 1.26A	3.20	1.25	45.77	41.19	38.73	34.85
546-182G15	182G15	15	30V ct @ .5A	15V @ 1A	3.20	1.25	45.77	41.19	38.73	34.85
546-182F18	182F18	15	36V ct @ .42A	18V @ .84A	3.20	1.25	45.77	41.19	38.73	34.85
546-182F22	182F22	15	44V ct @ .34A	22V @ .68A	3.20	1.25	45.77	41.19	38.73	34.85
546-182D117	182D117	15	234V ct @ 64ma	117V @ 128ma	3.20	1.25	45.77	41.19	38.73	34.85
546-182L6	182L6	30	12V ct @ 2.5A	6V @ 5A	2.95	1.60	45.77	41.19	38.73	34.85
546-182K9	182K9	30	18V ct @ 1.67A	9V @ 3.34A	2.95	1.60	45.77	41.19	38.73	34.85
546-182K12	182K12	30	24V ct @ 1.25A	12V @ 2.5A	2.95	1.60	45.77	41.19	38.73	34.85
546-182J15	182J15	30	30V ct @ 1A	15V @ 2A	2.95	1.60	45.77	41.19	38.73	34.85
546-182H18	182H18	30	36V ct @ .83A	18V @ 1.66A	2.95	1.60	45.77	41.19	38.73	34.85
546-182G22	182G22	30	44V ct @ .68A	22V @ 1.36A	2.95	1.60	45.77	41.19	38.73	34.85
546-182E117	182E117	30	234V ct @ 128ma	117V @ 256ma	2.95	1.60	45.77	41.19	38.73	34.85
546-182N6	182N6	50	12V ct @ 4.17A	6V @ 8.34A	3.63	1.73	50.12	45.11	45.11	40.60
546-182M9	182M9	50	18V ct @ 2.78A	9V @ 5.56A	3.63	1.73	50.12	45.11	42.41	38.17
546-182L12	182L12	50	24V ct @ 2.08A	12V @ 4.16A	3.63	1.73	50.12	45.11	42.41	38.17
546-182K15	182K15	50	30V ct @ 1.67A	15V @ 3.34A	3.63	1.73	50.12	45.11	42.41	38.17
546-182J18	182J18	50	36V ct @ 1.39A	18V @ 2.78A	3.63	1.73	50.12	45.11	42.41	38.17
546-182J22	182J22	50	44V ct @ 1.14A	22V @ 2.28A	3.63	1.73	50.12	45.11	42.41	38.17
546-182G117	182G117	50	234V ct @ 214ma	117V @ 428ma	3.63	1.73	55.69	50.11	47.12	42.41
546-182Q6	182Q6	80	12V ct @ 6.67A	6V @ 13.34A	3.73	1.52	52.31	47.09	47.08	42.37
546-182N9	182N9	80	18V ct @ 4.44A	9V @ 8.88A	3.73	1.52	52.31	47.09	44.26	39.83
546-182M12	182M12	80	24V ct @ 3.33A	12V @ 6.66A	3.73	1.52	58.14	52.33	49.19	44.27
546-182M15	182M15	80	30V ct @ 2.67A	15V @ 5.34A	3.73	1.52	58.12	52.31	49.17	44.25
546-182L18	182L18	80	36V ct @ 2.22A	18V @ 4.44A	3.73	1.52	52.31	47.09	44.26	39.83
546-182L22	182L22	80	44V ct @ 1.82A	22V @ 3.64A	3.73	1.52	52.31	47.09	44.26	39.83
546-182K30	182K30	80	60V ct @ 1.33A	30V @ 2.66A	3.73	1.52	52.31	47.09	44.26	39.83
546-182H117	182H117	80	234V ct @ 342ma	117V @ 684ma	3.73	1.52	58.12	52.31	49.17	44.25
546-182Q9	182Q9	120	18V ct @ 6.67A	9V @ 13.34A	3.98	1.68	56.67	51.01	47.95	43.16
546-182P12	182P12	120	24V ct @ 5A	12V @ 10A	3.98	1.68	56.67	51.01	47.95	43.16
546-182N15	182N15	120	30V ct @ 4A	15V @ 8A	3.98	1.68	56.67	51.01	47.95	43.16
546-182M18	182M18	120	36V ct @ 3.33A	18V @ 6.66A	3.98	1.68	56.67	51.01	47.95	43.16
546-182M22	182M22	120	44V ct @ 2.73A	22V @ 5.46A	3.98	1.68	56.67	51.01	47.95	43.16
546-182L30	182L30	120	60V ct @ 2A	30V @ 4A	3.98	1.68	56.67	51.01	47.95	43.16
546-182J117	182J117	120	234V ct @ 513ma	117V @ 1.02A	3.98	1.68	56.67	51.01	47.95	43.16
546-182Q12	182Q12	160	24V ct @ 6.67A	12V @ 13.34A	4.43	1.73	63.20	56.89	53.48	48.14
546-182P15	182P15	160	30V ct @ 5.33A	15V @ 10.66A	4.43	1.73	63.20	56.89	53.48	48.14
546-182N18	182N18	160	36V ct @ 4.44A	18V @ 8.88A	4.43	1.73	63.20	56.89	53.48	48.14
546-182N22	182N22	160	44V ct @ 3.64A	22V @ 7.28A	4.43	1.73	63.20	56.89	53.48	48.14
546-182M30	182M30	160	60V ct @ 2.67A	30V @ 5.34A	4.43	1.73	63.20	56.89	53.48	48.14
546-182K117	182K117	160	234V ct @ 684ma	117V @ 1.37A	4.43	1.73	63.20	56.89	53.48	48.14
546-182S12	182S12	225	24V ct @ 9.38A	12V @ 18.76A	4.97	1.90	69.75	62.77	59.01	53.11
546-182H15	182H15	225	30V ct @ 7.5A	15V @ 15A	4.97	1.90	69.75	62.77	59.01	53.11
546-182G18	182G18	225	36V ct @ 6.25A	18V @ 12.5A	4.97	1.90	69.75	62.77	59.01	53.11
546-182P22	182P22	225	44V ct @ 5.11A	22V @ 10.22A	4.97	1.90	69.75	62.77	59.01	53.11
546-182F30	182F30	225	60V ct @ 3.75A	30V @ 7.5A	4.97	1.90	69.75	62.77	59.01	53.11
546-182L117	182L117	225	234V ct @ .96A	117V @ 1.92A	4.97	1.90	69.75	62.77	59.01	53.11
546-182T12	182T12	300	24V ct @ 12.5A	12V @ 25A	5.06	2.27	80.64	72.57	68.23	61.41
546-182S15	182S15	300	30V ct @ 10A	15V @ 20A	5.06	2.27	80.64	72.57	68.23	61.41
546-182P30	182P30	300	60V ct @ 5A	30V @ 10A	5.06	2.27	80.66	72.59	68.25	61.42
546-182L60	182L60	300	120V ct @ 2.5A	60V @ 5A	5.06	2.27	80.64	72.57	68.23	61.41
546-182M117	182M117	300	234V ct @ 1.28A	117V @ 2.56A	5.06	2.27	80.64	72.57	68.23	61.41
546-182S24	182S24	500	48V ct @ 10.42A	24V @ 20.82A	5.50	2.21	102.44	92.20	86.68	78.02
546-182R30	182R30	500	60V ct @ 8.33A	30V @ 16.66A	5.50	2.21	102.44	92.20	86.68	78.02
546-182N60	182N60	500	120V ct @ 4.17A	60V @ 8.34A	5.50	2.21	102.44	92.20	86.68	78.02
546-182N117	182N117	500	234V ct @ 2.14A	117V @ 4.28A	5.50	2.21	102.44	92.20	86.68	78.02
546-182T24	182T24	625	48V ct @ 13.02A	24V @ 26.04A	6.10	3.10	113.34	102.01	95.91	86.31
546-182S30	182S30	625	60V ct @ 10.42A	30V @ 20.84A	6.10	3.10	113.34	102.01	95.91	86.31
546-182P60	182P60	625	120V ct @ 5.21A	60V @ 10.42A	6.10	3.10	113.34	102.01	95.91	86.31
546-182P117	182P117	625	234V ct @ 2.67A	117V @ 5.34A	6.10	3.10	113.34	102.01	95.91	86.31
546-182U24	182U24	750	48V ct @ 15.63A	24V @ 31.26A	6.40	3.10	117.69	105.93	99.59	89.63
546-182T30	182T30	750	60V ct @ 12.5A	30V @ 25A	6.40	3.10	117.69	105.93	99.59	89.63
546-182Q60	182Q60	750	120V ct @ 6.25A	60V @ 12.5A	6.40	3.10	117.69	105.93	99.59	89.63
546-182Q117	182Q117	750	234V ct @ 3.21A	117V @ 6.42A	6.40	3.10	117.69	105.93	99.59	89.63
546-182V24	182V24	1000	48V ct @ 20.8A	24V @ 41.7A	6.50	3.50	141.68	127.51	119.88	107.89
546-182U30	182U30	1000	60V ct @ 16.7A	30V @ 33.3A	6.50	3.50	141.68	127.51	119.88	107.89
546-182R60	182R60	1000	120V ct @ 8.3A	60V @ 16.7A	6.50	3.50	141.68	127.51	119.88	107.89
546-182R117	182R117	1000	234V ct @ 4.3A	117V @ 8.5A	6.50	3.50	141.68	127.51	119.88	107.89
546-182V40	182V40	1500	80V ct @ 18.8A	40V @ 37.5A	7.20	3.50	202.71	182.43	171.53	154.38
546-182T60	182T60	1500	120V ct @ 12.5A	60V @ 25A	7.20	3.50	202.71	182.43	171.53	154.38
546-182T117	182T117	1500	234V ct @ 6.4A	117V @ 12.8A	7.20	3.50	202.71	182.43	171.53	154.38

HAMMOND Transformers

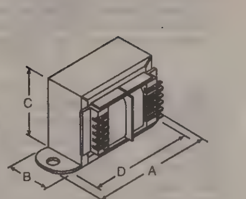
GLOBAL USE - TERMINAL CONNECTION L.V. RECTIFIER USE TRANSFORMERS

- Dual primary 115/230 VAC
- 50/60 Hz operation
- Dual secondaries for series or parallel connections
- 4,000 V RMS Hi-Pot test
- Chassis mount

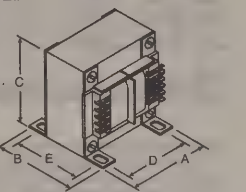
- Dual bobbin construction
- Dual use terminals (solder lug or quick connect)
- UL recognized to UL 506
- CSA certified to C22.2 #66
- CE certified to IEC 950

RoHS Compliant

A



B



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	VA	Secondary VAC (RMS)		Dimensions (In.)					Price Each			
				Series	Parallel	A	B	C	D	E	1	5	10	50
546-185C12	185C12	A	25	12.6VCT @ 2.0A	6.3V @ 4.0A	2.81	1.87	2.31	2.37	- - -	16.22	13.73	12.75	11.90
546-185D12	185D12	A	43	12.6VCT @ 3.4A	6.3V @ 6.8A	3.12	2.06	2.68	2.81	- - -	20.77	16.36	15.59	14.84
546-185E12	185E12	B	80	12.6VCT @ 6.3A	6.3V @ 12.6A	2.50	2.37	3.00	2.00	2.18	27.97	22.04	21.00	20.00
546-185F12	185F12	B	130	12.6VCT @ 10.3A	6.3V @ 20.6A	2.81	2.87	3.37	2.25	2.50	37.82	32.00	29.72	27.73
546-185G12	185G12	B	175	12.6VCT @ 14.0A	6.3V @ 28.0A	3.12	2.87	3.75	2.50	2.50	48.64	41.16	38.21	35.67
546-185C24	185C24	A	25	24VCT @ 1.0A	12V @ 2.0A	2.81	1.87	2.31	2.37	- - -	18.01	15.24	14.15	13.21
546-185D24	185D24	A	43	24VCT @ 1.8A	12V @ 3.6A	3.12	2.06	2.68	2.81	- - -	23.17	19.61	18.21	16.99
546-185E24	185E24	B	80	24VCT @ 3.3A	12V @ 6.6A	2.50	2.37	3.00	2.00	2.18	31.20	26.40	24.51	22.88
546-185F24	185F24	B	130	24VCT @ 5.4A	12V @ 10.8A	2.81	2.87	3.37	2.25	2.50	37.82	32.00	29.72	27.73
546-185G24	185G24	B	175	24VCT @ 7.3A	12V @ 14.6A	3.12	2.87	3.75	2.50	2.50	48.64	41.16	38.21	35.67
546-185C36	185C36	A	25	36VCT @ 0.7A	18V @ 1.4A	2.81	1.87	2.31	2.37	- - -	16.22	13.73	12.75	11.90
546-185D36	185D36	A	43	36VCT @ 1.2A	18V @ 2.4A	3.12	2.06	2.68	2.81	- - -	20.77	16.36	15.59	14.84
546-185E36	185E36	B	80	36VCT @ 2.2A	18V @ 4.4A	2.50	2.37	3.00	2.00	2.18	28.09	23.77	22.07	20.60
546-185F36	185F36	B	130	36VCT @ 3.6A	18V @ 7.2A	2.81	2.87	3.37	2.25	2.50	37.82	32.00	29.72	27.73
546-185G36	185G36	B	175	36VCT @ 4.8A	18V @ 9.6A	3.12	2.87	3.75	2.50	2.50	43.78	37.05	34.40	32.11
546-185C230	185C230	A	25	230VCT @ 0.11A	115V @ 0.22A	2.81	1.87	2.31	2.37	- - -	18.01	15.24	14.15	13.21
546-185D230	185D230	A	43	230VCT @ 0.19A	115V @ 0.38A	3.12	2.06	2.68	2.81	- - -	20.85	17.64	16.38	15.29
546-185E230	185E230	B	80	230VCT @ 0.35A	115V @ 0.7A	2.50	2.37	3.00	2.00	2.18	31.22	26.42	24.53	22.90
546-185F230	185F230	B	130	230VCT @ 0.57A	115V @ 1.14A	2.81	2.87	3.37	2.25	2.50	42.02	35.56	33.02	30.81
546-185G230	185G230	B	175	230VCT @ 0.76A	115V @ 1.52A	3.12	2.87	3.75	2.50	2.50	48.64	41.16	38.21	35.67

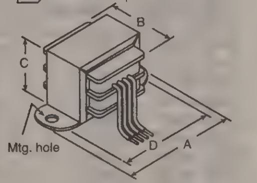
FILAMENT AND L. V. RECTIFIER USE TRANSFORMERS

- Primary 117/234 VAC 50/60 Hz
- All units have dual secondaries, can be connected as center tapped or used individually
- Open style
- Minimum 6" long leads

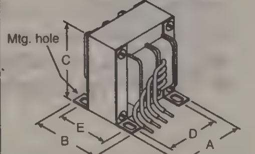
- Dual bobbin design - except where indicated with an asterisk, which is single bobbin design
- Class B insulation (130°C)
- Hi-Pot test of 2,000V RMS
- UL listed (#E50394) and CSA certified (#LR3902)

RoHS Compliant

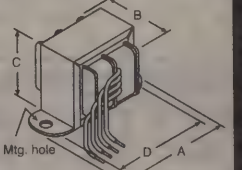
A



B



C



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Fig.	VA	Secondary VAC (RMS)		Dimensions (In.)					Mounting Hole	Price Each			
				Series	Parallel	A	B	C	D	E		1	5	10	50
546-266M5	266M5	A	15	5.0V @ 3A	2.5V @ 6A	3.25	2.06	2.00	2.81	- - -	0.187	19.22	16.26	15.10	14.09
546-266GB6	266GB6	A	3.8	6.3V@ 0.6A	3.15V @ 1.2A	2.38	1.48	1.43	2.00	- - -	0.187	13.83	11.71	10.87	10.14
546-266JB6	266JB6	A	7.6	6.3V @ 1.2A	3.15V @ 2.4A	2.82	1.69	1.69	2.38	- - -	0.187	17.95	15.19	14.10	13.16
546-266M6	266M6	A	18.9	6.3V @ 3A	3.15V @ 6A	3.25	2.06	2.00	2.81	- - -	0.187	22.57	19.09	17.73	16.54
546-266PA6	266PA6	A	37.8	6.3V @ 6A	3.15V @ 12A	4.00	2.25	2.62	3.56	- - -	0.187	26.90	22.76	21.14	19.73
546-266GD12	266GD12	A	8.4	12.0V @ 0.7A	6.0V @ 1.4A	2.82	1.69	1.69	2.38	- - -	0.187	17.95	15.19	14.10	13.16
546-266JB12	266JB12	A	14.4	12.0V @ 1.2A	6.0V @ 2.4A	3.25	2.06	2.00	2.81	- - -	0.187	19.22	16.26	15.10	14.09
546-266F12	266F12	A	3.8	12.6V @ 0.3A	6.3V @ 0.6A	2.38	1.50	1.45	2.00	- - -	0.187	12.45	10.54	9.78	9.13
546-266J12	266J12	A	12.6	12.6V @ 1A	6.3V @ 2A	3.25	1.75	2.00	2.81	- - -	0.187	19.22	16.27	15.11	14.10
546-266K12	266K12	A	18.9	12.6V @ 1.5A	6.3V @ 3A	3.25	2.06	2.00	2.81	- - -	0.187	22.57	19.09	17.73	16.54
546-266L12	266L12	A	31.5	12.6V @ 2.5A	6.3V @ 5A	3.69	2.20	2.31	3.13	- - -	0.187	26.90	22.76	21.14	19.73
546-266M12	266M12	A	38	12.6V @ 3A	6.3V @ 6A	3.69	2.31	2.31	3.13	- - -	0.187	26.90	22.76	21.14	19.73
546-266N12	266N12	A	50.4	12.6V @ 4A	6.3V @ 8A	4.00	2.40	2.62	3.56	- - -	0.187	26.90	22.76	21.14	19.73
546-266J14	266J14	A	14	14V @ 1A	7V @ 2A	3.25	2.06	2.00	2.81	- - -	0.187	17.28	14.63	13.58	12.68
546-266L14	266L14	A	28	14V @ 2A	7V @ 4A	3.69	2.00	2.31	3.13	- - -	0.187	24.21	20.49	19.03	17.76
546-266PA14	266PA14	B	84	14V @ 6A	7V @ 12A	2.81	2.85	3.44	2.25	2.38	.203 x .375	37.69	31.89	29.61	27.63
546-266J16	266J16	A	16	16V @ 1A	8V @ 2A	3.25	1.90	2.00	2.81	- - -	0.187	20.31	17.19	15.96	14.89
546-266L16	266L16	A	35.2	16V @ 2.2A	8V @ 4.4A	3.69	2.20	2.35	3.13	- - -	0.187	24.21	20.49	19.03	17.76
546-266M16	266M16	A	48	16V @ 3A	8V @ 6A	4.00	2.30	2.62	3.56	- - -	0.187	26.90	22.76	21.14	19.73
546-266G20	266G20	C	10	20V @ 0.5A	10V @ 1A	2.88	1.90	2.37	2.38	- - -	0.187	16.14	13.66	12.69	11.84
546-266L20	266L20	A	40	20V @ 2A	10V @ 4A	4.00	2.25	2.62	3.56	- - -	0.187	26.90	22.76	21.14	19.73
546-266C24	266C24	A	2	24V @ 0.085A	12V @ 0.17A	2.06	1.38	1.19	1.75	- - -	0.187	13.83	11.71	10.87	10.14
546-266EA24	266EA24	A	4.8	24V @ 0.2A	12 @ 0.4A	2.38	1.60	1.45	2.00	- - -	0.187	13.83	11.71	10.87	10.14
546-266FB24	266FB24	A	9.6	24V @ 0.4A	12V @ 0.8A	2.82	1.69	1.69	2.38	- - -	0.187	17.95	15.19	14.10	13.16
546-266G24	266G24	C	12	24V @ 0.5A	12V @ 1A	2.88	1.90	2.37	2.38	- - -	0.187	17.30	14.63	13.58	12.68
546-266GD24	266GD24	A	16.8	24V @ 0.7A	12V @ 1.4A	3.25	2.06	2.00	2.81	- - -	0.187	22.57	19.09	17.73	16.54
546-266J24	266J24	C	24	24V @ 1A	12V @ 2A	3.13	2.00	2.75	2.81	- - -	0.187	22.57	19.09	17.73	16.54
546-266L24	266L24	C	48	24V @ 2A	12V @ 4A	3.56	2.25	3.12	3.13	- - -	0.187	24.21	20.49	19.03	17.76
546-266N24 *	266N24	B	96	24V @ 4A	12V @ 8A	2.81	3.06	3.38	2.25	2.50	.203 x .375	48.69	41.19	38.25	35.71
546-266PA24	266PA24	B	144	24V @ 6A	12V @ 12A	3.13	3.75	3.81	2.50	2.88	.203 x .375	64.08	54.23	50.35	46.99
546-266S24 *	266S24	B	240	24V @ 10A	12V @ 20A	3.44	3.60	4.30	2.75	3.00	.203 x .375	68.85	58.26	54.11	50.50
546-266J25	266J25	A	25.2	25.2V @ 1A	12.6V @ 2A	3.25	2.06	2.00	2.81	- - -	0.187	22.57	19.09	17.73	16.54
546-266LH25	266LH25	A	70.6	25.2V @ 2.8A	12.6V @ 5.6A	4.00	2.25	2.62	3.56	- - -	0.187	37.69	31.89	29.61	27.63
546-266J26	266J26	A	26.5	26.8V @ 1A	13.4V @ 2A	3.25	2.06	2.00	2.81	- - -	0.187	26.90	22.76	21.14	19.73
546-266L28	266L28	B	56	28V @ 2A	14V @ 4A	2.50	2.50	3.06	2.00	2.25	.203 x .375	37.69	31.89	29.61	27.63
546-266K35	266K35	A	52.5	35V @ 1.5A	17.5V @ 3A	4.00	2.25	2.62	3.56	- - -	0.187	26.90	22.76	21.14	19.73
546-266J48	266J48	C	48	48V @ 1A	24V @ 2A	3.56	2.20	3.12	3.13	- - -	0.187	24.21	20.49	19.03	17.76
546-266L48	266L48	B	96	48V @ 2A	24V @ 4A	2.81	3.06	3.38	2.25	2.50	.203 x .375	43.82	37.08	34.43	32.14
546-266M48	266M48	B	144	48V @ 3A	24V @ 6A	3.13	3.06	3.84	2.50	2.50	.203 x .375	64.08	54.23	50.35	46.99
546-266N48 *	266N48	B	192	48V @ 4A	24V @ 8A	3.44	3.62	4.22	2.75	3.00	.203 x .375	64.08	54.23	50.35	46.99

HAMMOND Transformers

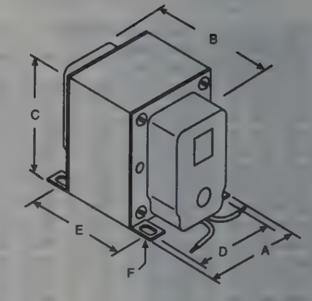
RoHS Compliant

PUSH - PULL "CLASSIC" TUBE TYPE - ULTRA LINEAR OUTPUT TRANSFORMERS

- Designed for push-pull tube output circuits
- Enclosed (shielded), 4 slot, above chassis Type "X" mounting, both end bells include knockouts for optional above chassis wiring
- Frequency response 30 Hz to 30 kHz @ full rated power (± 1 db max. ref. 1 kHz) minimum
- Insulated flexible leads 8" min.
- All units include 40% screen taps for Ultra-Linear operation (if desired)
- Typical applications - Push-Pull: triode, Ultra-Linear pentode, pentode and tetrode connected audio output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Audio Watts	Impedance		Dimensions (In.)						Price Each		
			Primary	Secondary	A	B	C	D	E (±1/16")	F (slot)	1	5	10
546-1608	1608	10	8,000 ct	4/8/16	2.50	2.75	3.06	2.00	1.69	.203 x .38	**48.14**	**40.74**	**37.83**
546-1609	1609	10	10,000 ct	4/8/16	2.50	2.75	3.06	2.00	1.69	.203 x .38	**53.49**	**45.26**	**42.02**
546-1615	1615	15	5,000 ct	4/8/16	2.50	3.25	3.06	2.00	2.19	.203 x .38	**53.50**	**45.28**	**43.17**
546-1620	1620	20	6,600 ct	4/8/16	2.50	3.50	3.06	2.00	2.44	.203 x .38	**61.34**	**51.90**	**48.20**
546-1650F	1650F	25	7,600 ct	4/8/16	2.50	3.50	3.06	2.00	2.44	.203 x .38	**72.22**	**61.11**	**57.19**
546-1645	1645	30	5,000 ct	4-8-16-70V	3.13	3.50	3.81	2.50	2.19	.203 x .38	**72.22**	**61.11**	**56.74**
546-1650H	1650H	40	6,600 ct	4/8/16	3.13	4.00	3.81	2.50	2.69	.203 x .38	**110.62**	**93.60**	**86.91**
546-1650K	1650K	50	3,400 ct	4/8/16	3.13	4.00	3.81	2.50	2.69	.203 x .38	**116.56**	**98.63**	**91.59**
546-1650N	1650N	60	4,300 ct	4/8/16	3.13	4.25	3.81	2.50	2.94	.203 x .38	**104.33**	**88.28**	**81.97**
546-1650P	1650P	60	6,600 ct	4/8/16	3.13	4.25	3.81	2.50	2.94	.203 x .38	**104.33**	**88.28**	**81.97**
546-1650R	1650R	100	5,000 ct	4/8/16	3.75	4.25	4.56	3.00	3.06	.203 x .38	**108.35**	**91.68**	**85.12**
546-1650T	1650T	120	1,900 ct	4/8/16	3.75	4.50	4.56	3.00	3.31	.203 x .38	**125.91**	**106.54**	**98.93**
546-1650W	1650W	280	1,900 ct	4/8/16	4.38	7.50	5.25	3.50	5.88	.203 x .38	**240.74**	**203.71**	**189.15**



"CLASSIC" ENCLOSED PLATE AND FILAMENT TRANSFORMERS

- Universal Primary, 100, 110, 120, 200, 220, 240 VAC, 50/60 Hz
- H.V.DC current measured with wave C.T. rectifier and capacitor input filter
- Concentric wound windings for low stray field and low noise
- Includes bias tap (50 VAC) from high voltage C.T.
- Enclosed, 4 hole chassis mount
- Minimum 6" long leads
- Class A insulation (105° C)
- Hi-Pot test of 2,000 VRMS
- Conservative design - CSA certified (#LR3902)
- P/N 300BX designed for use with 300B tube designs and the 302AX designed for 2A3 tube designs

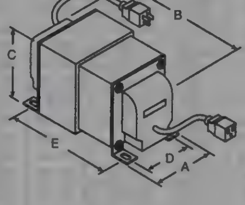
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Total PWR (VA)	Secondary		Bias Tap (VAC)	Filament #1 (VAC)	Filament #2 (VAC)	Filament #3 (VAC)	Dimensions (In.)						Price Each
			(RMS)	DC (ma)					A	B	C	D	E	F (slot)	
546-300BX	300BX	280	400-0-400	250	50	5Vct@1.2A	5Vct@3A	6.3Vct@6A	3.75	5.00	4.56	3.00	3.81	.203 x .38	**155.69**
546-302AX	302AX	198	300-0-300	200	50	2.5Vct@2.5A	5Vct@3A	6.3Vct@6A	3.75	4.00	4.56	3.00	2.81	.203 x .38	**124.55**
546-363CX	363CX	119	180-0-180	250	50	5Vct@3A	- - -	- - -	3.13	3.75	3.81	2.50	2.44	.203 x .38	**93.42**
546-369AX	369AX	40	125-0-125	100	50	6.3Vct@2A	- - -	- - -	2.50	2.75	3.06	2.00	1.69	.203 x .38	**69.19**
546-369BX	369BX	39	150-0-150	75	50	6.3Vct@2A	- - -	- - -	2.50	2.75	3.06	2.00	1.69	.203 x .38	**62.27**
546-369EX	369EX	45	190-0-190	65	50	6.3Vct@2.5A	- - -	- - -	2.50	2.75	3.06	2.00	1.69	.203 x .38	**65.73**
546-369GX	369GX	50	225-0-225	65	50	6.3Vct@2.5A	- - -	- - -	2.50	2.75	3.06	2.00	1.69	.203 x .38	**62.27**
546-369JX	369JX	50	250-0-250	60	50	6.3Vct@2.5A	- - -	- - -	2.50	2.75	3.06	2.00	1.69	.203 x .38	**70.91**
546-370AX	370AX	44	240-0-240	50	50	6.3Vct@2.5A	- - -	- - -	2.50	2.75	3.06	2.00	1.69	.203 x .38	**66.95**
546-370BX	370BX	55	275-0-275	50	50	5Vct@2A	6.3Vct@2A	- - -	2.50	3.00	3.06	2.00	1.94	.203 x .38	**70.05**
546-370FX	370FX	142	275-0-275	150	50	5Vct@3A	6.3Vct@5A	- - -	3.13	4.25	3.81	2.50	2.94	.203 x .38	**103.79**
546-370HX	370HX	180	275-0-275	200	50	5Vct@3A	6.3Vct@6A	- - -	3.13	4.25	3.81	2.50	2.94	.203 x .38	**118.33**
546-372BX	372BX	98	300-0-300	100	50	5Vct@2A	6.3Vct@3A	- - -	3.13	3.50	3.81	2.50	2.19	.203 x .38	**91.67**
546-372FX	372FX	150	300-0-300	150	50	5Vct@3A	6.3Vct@5A	- - -	3.13	4.25	3.81	2.50	2.94	.203 x .38	**105.87**
546-372JX	372JX	243	300-0-300	250	50	5Vct@4A	6.3Vct@8A	- - -	3.75	4.50	4.56	3.00	3.34	.203 x .38	**127.67**
546-373BX	373BX	187	350-0-350	175	50	5Vct@3A	6.3Vct@5A	- - -	3.75	4.00	4.56	3.00	2.81	.203 x .38	**108.99**
546-373X	373X	125	350-0-350	110	50	5Vct@2A	6.3Vct@4A	- - -	3.13	3.75	3.81	2.50	2.44	.203 x .38	**101.95**
546-374BX	374BX	200	375-0-375	175	50	5Vct@3A	6.3Vct@6A	- - -	3.75	4.00	4.56	3.00	2.81	.203 x .38	**116.77**
546-378CX	378CX	465	400-0-400	465	50	6.3Vct@6A	- - -	- - -	4.38	6.00	5.50	3.50	3.54	.203 x .38	**158.80**
546-378X	378X	237	400-0-400	200	50	5Vct@3A	6.3Vct@6A	- - -	3.75	3.06	4.56	3.00	3.06	.203 x .38	**147.91**

LINE ISOLATION PLUG & RECEPTACLE TRANSFORMERS

Features:

- Primary 115 VAC, 50/60 Hz, Secondary 115 VAC
- Provides circuit isolation
- Electrostatic shield between primary and secondary
- Standard 3-wire, grounded plug and receptacle
- Hi-Pot tested to 2 KV RMS
- Circuit breaker in primary
- Input (primary) connected to 5 foot long cord and standard North American plug (NEMA 5-15P)
- Onput (secondary) connected to 1 foot long 3-wire, standard North American grounded receptacle (NEMA 5-15R)
- North American Mark of Safety - C UL and UL listed



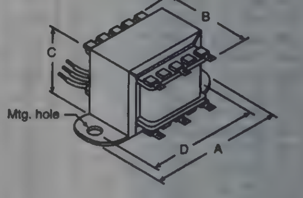
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Hammond Part No.	Cap. VA	Dimension (In.)					Price Each		
			A	B	C	D	E	1	5	10
546-171A	171A	100	3.80	5.06	4.68	3.00	3.38	**86.60**	**73.27**	**68.04**
546-171B	171B	200	3.80	5.56	4.68	3.00	3.88	**94.25**	**79.75**	**74.05**
546-171C	171C	300	3.80	6.06	4.68	3.00	4.38	**109.72**	**92.84**	**86.21**
546-171E	171E	500	3.80	7.06	4.68	3.00	5.38	**154.89**	**131.06**	**121.70**
546-171F	171F	750	4.40	8.70	5.39	3.50	6.78	**178.53**	**151.06**	**140.27**
546-171G	171G	1000	5.28	7.75	6.38	4.25	4.38	**242.17**	**204.92**	**190.28**

UNIVERSAL SINGLE ENDED OR PUSH-PULL OUTPUT TRANSFORMERS

Features:

- Designed for general purpose or replacement use in single ended or push-pull tube output circuits
- Open style with minimum 5" long primary leads, secondary solder lugs for convenient secondary connections
- Minimum frequency response 150 Hz - 15 kHz (± 1 db max. ref 1 kHz) @ full rated power
- Tables provided with each transformer listing 90 pre-calculated impedance ratios
- Primary impedances from 1,200 - 25,000 Ω
- Secondary impedances from 1.5 - 15 Ω



For quantities of 50 and up, call for quote.

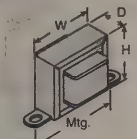
MOUSER STOCK NO.	Hammond Part No.	Audio Watts	Max. DC Bais	Dimension (In.)				Mtg. Hole	Price Each		
				A	B	C	D		1	5	10
546-125A	125A	3	25	2.06	1.25	1.19	1.75	.187	**37.88**	**32.06**	**29.77**
546-125B	125B	5	45	2.38	1.38	1.38	2.00	.187	**34.64**	**29.30**	**27.21**
546-125C	125C	8	60	2.81	1.50	1.69	2.38	.187	**29.25**	**24.75**	**22.99**
546-125D	125D	10	70	3.25	1.75	2.00	2.81	.187	**33.93**	**28.71**	**26.66**
546-125E	125E	15	80	3.69	2.00	2.31	3.13	.187	**41.99**	**35.54**	**33.00**

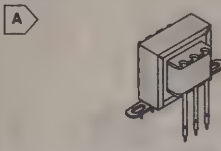
Power, Plug-In, and Variable Transformers

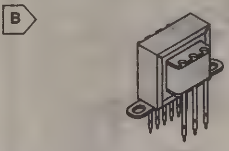
XICON POWER TRANSFORMERS

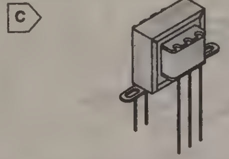
Dimensions are shown in table

H = Height
D = Depth
W = Width
Mtg. = Mounting hole space









These power transformers feature 115VAC/60Hz primaries, in six popular outputs. They have 6" color coded leads for positive identification.

- Lead color coding: primary = black, secondary = red/white
- Full load voltage tolerance: ±2%
- Voltage regulation: <15%
- Hi-pot test voltage: 1500VAC 60Hz for 1 minute
- Coil-to-coil insulation: 200MΩ @ 500VDC

Heavy Duty Power Transformers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Secondary		Dimensions (in.)				Price Each		
		Volts	Amps	H	W	D	Mtg.	1	10	100
41FD200	A	6.3CT	.2	1.3	1.5	1.1	1.9	4.06	3.38	3.07
41FD010	A	6.3CT	1.0	1.65	2.0	1.9	2.4	6.81	5.67	5.16
41FD030	A	6.3CT	3.0	1.95	2.5	1.95	2.8	6.98	5.82	5.29
41FG100	A	12.6CT	.1	1.25	1.5	1.1	1.71	2.74	2.28	2.07
41FG200	A	12.6CT	.2	1.25	1.5	1.25	1.9	3.43	2.89	2.63
41FG300	A	12.6CT	.3	1.65	1.75	1.55	2.1	3.84	3.20	2.91
41FG010	A	12.6CT	1.0	1.75	2.1	1.6	2.3	5.85	4.88	4.43
41FJ300	A	18.0CT	.3	1.5	1.7	1.4	2.1	4.55	3.79	3.44
41FJ600	A	18.0CT	.6	1.75	2.0	1.6	2.4	6.49	5.39	4.91
41FJ010	A	18.0CT	1.0	1.95	2.4	1.65	2.9	8.28	6.89	6.27
41FJ020	A	18.0CT	2.0	2.25	2.63	2.25	3.2	9.36	7.79	7.08
41FK200	A	24.0CT	.2	1.5	1.75	1.4	2.1	4.29	3.59	3.27
41FK300	A	24.0CT	.3	1.69	1.97	1.5	2.48	4.99	4.17	3.79
41FK600	A	24.0CT	.6	1.7	2.0	1.7	2.3	7.44	6.19	5.64
41FK010	A	24.0CT	1.0	1.95	2.35	1.9	2.8	8.28	6.89	6.27

Dual Secondary Power Transformers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dual Secondary Volts	Amps	Dimensions (in.)				Price Each		
				H	W	D	Mtg.	1	10	100
41HK200	B	24.0CT/24.0CT	.2	1.65	2.0	1.85	2.35	8.17	7.43	6.75

Multi-Tapped Power Transformer

Secondary voltages are as shown. 6" leads are color coded for easy identification. The secondary common is black.

- Current rating: .3A
- Primary rating: 115/220, 50/60Hz

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Secondary Volts	Dimensions (in.)				Price Each		
			H	W	D	Mtg.	1	10	100
41FW300	B	12.0, 9.0, 6.0, 4.5, 3.0	1.375	1.75	1.5	2.05	5.23	4.36	3.96

PC Mount Power Transformers

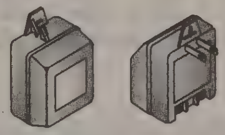
For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Secondary		Dimensions (in.)				Price Each		
		Volts	Amps	H	W	D	Mtg.	1	10	100
41PG006	C	12.6CT	.06	1.05	1.18	1.0	1.65	2.76	2.29	2.09
41PG120	C	12.0CT	.12	1.25	1.5	1.18	1.75	3.34	2.78	2.53
41PG300	C	12.6CT	.3	1.38	1.75	1.4	2.05	3.04	2.53	2.30
41PK100	C	24.0CT	.1	1.5	1.75	1.25	2.05	3.44	2.89	2.63
41PK200	C	24.0CT	.2	1.4	1.75	1.33	2.05	4.55	3.79	3.43
41PK600	C	24.0CT	.6	1.75	2.0	1.58	2.4	6.35	5.29	4.81

PLUG-IN TRANSFORMERS

Specifications:

- Input voltage: 120VAC
- Protected by thermal/current fuse

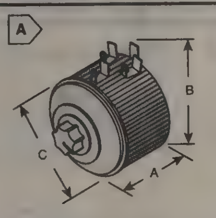


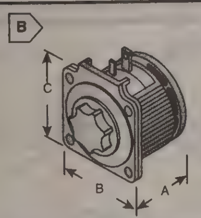
For quantities of 100 and up, call for quote.

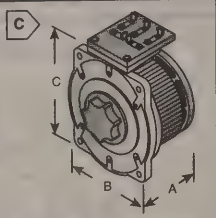
MOUSER STOCK NO.	Color	Output Voltage (VAC)	Output Power (VA)	Output Current (A)	Price Each			
					1	10	20	50
507-XT1220	White	12	20	1.666	7.61	6.89	6.46	6.25
507-XT1620	White	16.5	20	1.212	7.61	6.89	6.46	6.25
507-XT1820	White	18	20	1.11	7.61	6.89	6.46	6.25
507-XT2420	White	24	20	0.833	7.61	6.89	6.46	6.25
507-XT1240	White	12	40	3.33	9.50	8.57	8.03	7.77
507-XT1640	White	16.5	40	2.424	9.50	8.57	8.03	7.77
507-XT1840	White	18	40	2.222	9.50	8.57	8.03	7.77
507-XT2440	White	24	40	1.666	9.50	8.57	8.03	7.77

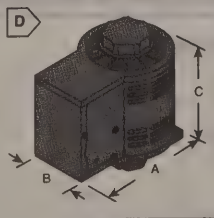
VARIABLE TRANSFORMERS AC VOLTAGE CONTROLS

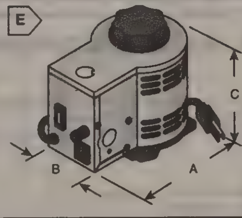
DIMENSIONS (IN.)

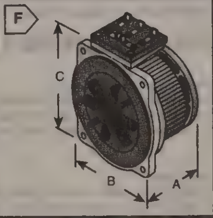












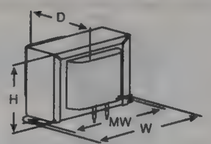
Open models have an adjustable shaft design on most manually operated models that permits back-of-panel or bench mounting. Cased models are available in "C" styles enclose only the coil, while "CT" models provide protective housing for both coil and terminal board. Portable cord and plug models are cased plug-in models that have a ventilated steel case, line cord, receptacle, illuminated on/off switch and fuse.

LR18948

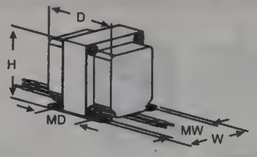
MOUSER STOCK NO.	Staco Part No.	Fig.	Input		Output		Net Wt. Lbs.	Dimensions (In.)			Price Each			
			Volts	Hertz	KVA	Amps		A	B	C	1	2	5	10
5874-171	171	A	120	50/60 60	0.21 0.23	1.75 1.75	2.00	1.88	3.28	2.93	86.75	78.47	74.87	71.29
5874-201	201	A	120	50/60 60	0.24 0.26	2.00 2.00	2.00	1.88	3.28	2.93	80.58	76.72	73.19	71.69
5874-221B	221-B	A	120	50/60 60	0.30 0.33	2.50 2.50	2.50	2.12	3.28	2.93	90.00	83.65	78.74	73.54
5874-252	252	A	240	50/60 60	0.19 0.21	0.80 0.80	2.50	2.12	3.28	2.93	143.36	136.75	129.64	125.02
5874-291	291	A	120	50/60 60	0.36 0.40	3.00 3.00	2.50	2.31	3.28	2.93	119.44	112.14	108.26	104.40
5874-501C	501C	B	120	50/60	0.60 0.70	5.00 5.00	5.25	3.00	3.75	4.38	145.59	135.11	130.44	125.79
5874-1010B	1010B	C	120	50/60	1.20 1.40	10.00 10.00	10.25	4.16	4.62	5.57	180.60	174.37	168.36	162.35
5874-1010BCT	1010BCT	D	120	50/60	1.20 1.40	10.00 10.00	10.25	4.44	4.62	6.31	278.59	269.30	260.02	250.72
5874-3PN1010B	3PN1010B	E	120	50/60	1.40	10.00	10.25	6.96	4.62	5.50	316.01	305.48	294.95	284.40
5874-1210B	1210B	C	120	60	1.44	12.00	10.25	4.16	4.62	5.57	201.40	194.68	187.97	181.26
5874-2510	2510	F	120	50/60	3.00 3.50	25.00 25.00	21.00	4.38	7.66	8.31	539.56	521.58	503.59	485.61
5874-2520	2520	F	240	50/60	2.40 2.80	10.00 10.00	21.00	4.38	7.66	8.31	539.49	521.51	503.53	485.54
			120	50/60	1.20	10.00								

STANCOR Transformers

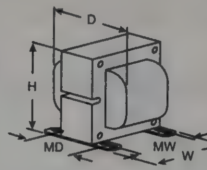
STANCOR POWER TRANSFORMERS



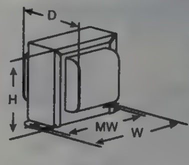
Style A



Style C



Style NV



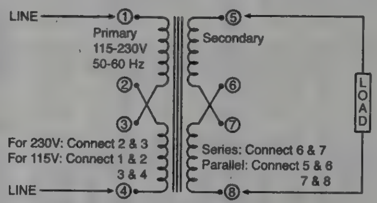
Style S

Features:

- Leadwire terminations standard for most items. Solder lugs available on some products.
- Most items may be operated at 400Hz without change in output rating.
- Rated for Continuous Duty
- Designed using traditional EI laminations for stability and ease of assembly.
- Wide variety of mounting configurations to fit virtually any design requirement.

Specifications:

- Input Voltages: Available at 115VAC, 117VAC, 117VAC/107, 115/230VAC, 230VAC, or 230/460VAC 50/60Hz
  Other voltages available as custom designs.
- Operating Temperature: -40° to 105°C, Class A insulating materials
- Output Voltages Ranging from 2.5VAC to 800VAC
- Output Current Ranging from .05A to 16A
- Designed to meet requirements of U.L. 506



Schematic Diagram 1

Single Secondary

- Primary and secondary termination: Leads

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Primary Volts	Secondary		Style	Insulation Test RMS	Dimensions (In.)					Wt. (Lbs.)	Price Each		
			Volts	Amps			H	W	D	Mounting W	Mounting D		1	10	50
802-P-8392	P-8392	117	12	0.7	A	1500V	1.75	2.88	1.63	2.38	-	0.6	8.55	7.86	7.40
802-P-8657	P-8657	117	12	2.0	A	1500V	2.00	3.25	2.13	2.81	-	1.3	12.81	11.77	11.08
802-P-8644	P-8644	117	12.6 CT	10.0	C	1500V	4.25	3.44	3.38	2.75	2.69	6.3	47.56	43.72	41.13
802-P-8693	P-8693	115	18.0 CT	2.0	A	1500V	2.38	3.75	2.25	3.13	-	2.0	13.78	12.66	11.91
802-P-8396	P-8396	117	24.0 CT	0.4	A	1500V	1.75	2.88	1.63	2.38	-	0.6	10.12	9.30	8.75
802-P-8575	P-8575	115/230	24.0 CT	1.0	A	1500V	2.00	3.25	2.06	2.81	-	1.3	11.97	11.00	10.36
802-P-8663	P-8663	117	24.0 CT	4.0	NV	1500V	3.88	3.19	2.81	2.50	2.13	4.0	30.83	28.33	26.66

Dual Primary, Dual Secondary

- Termination: Solder lugs

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Style	Schematic	V.A. Cap	Output from Two Secondary Windings			Dimensions (In.)					Wt. (Lbs.)	Price Each		
					Individually Volts Amp	Parallel Volts Amp	Series Volts Amp	H	W	D	Mounting W	Mounting D		1	10	50
802-P-6378	P-6378	NV	1	96	12 @ 4.00	12 @ 8.0	24 @ 4.00	3.50	2.81	3.25	2.25	2.31	4.2	31.39	28.85	27.15
802-P-8617	P-8617	S	1	48	24 @ 1.00	24 @ 2.0	48 @ 1.00	3.13	3.63	2.25	3.13	-	2.5	16.82	15.44	14.54
802-P-8618	P-8618	NV	1	96	24 @ 2.00	24 @ 4.0	48 @ 2.00	3.50	2.81	3.25	2.25	2.31	4.2	29.21	26.84	25.27

RoHS Compliant

Rectifier Transformer

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Style	Rectifier Circuit	Range of Applied AC Volts Under Load (Approx.)	Output Resistive or Inductive Load Max. DC		Output Capacitive Load Max. DC		Dimensions (In.)					Wt. (Lbs.)	Price Each		
					Volts	Amp	Volts	Amp	H	W	D	Mounting W	Mounting D		1	10	50
802-RT-204	RT-204	NV	CT Bridge	11.7 to 29.2 11.6 to 29.2	12 24	8 4	14.54 32.43	8 4	3.88	3.13	3.88	2.50	2.72	6.1	69.76	64.10	60.33

STANCOR ENERGY LIMITING TRANSFORMERS

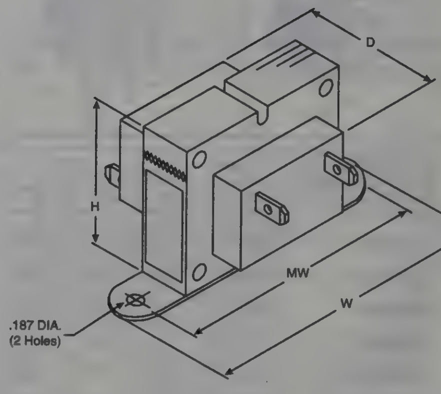
Meet U.L. safety specifications
Split bobbin winding reduces capacitive coupling and eliminates need for electrostatic shield.
Broad range of input voltage combinations cover most HVAC applications.
40VA power rating eliminates need for multiple parts to cover lower power requirements.

Features:

- Heavy duty welded mounting plate provides mounting stability.
- Rigid 1/4" Q.C. terminals provide ease of installation.
- Rated for Continuous Duty
- Windings and internal connections enclosed with insulating plastic cover for safety.
- Non-concentric windings reduce size and cost and improve manufacturability.

Specifications:

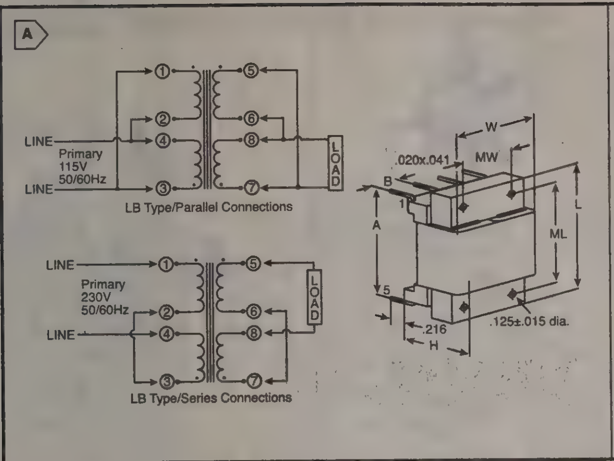
- Input Voltages (all 50/60Hz):
  120VAC
  240VAC
  120/240VAC
  208/240VAC
  120/208/240VAC
- Operating Temperature:
  -40° TO 130° C
  Class B insulating materials
- Temperature Rise: 85° over 40° ambient
- Output Voltage: 24VAC nominal, 40VA
- Output Current: 1.67 Amps
- Meets U.L. 1585 and C.S.A. 22.2 #66
- U.L. Recognized Class 2: File# E109254
- C.S.A. Certified File# LR67888

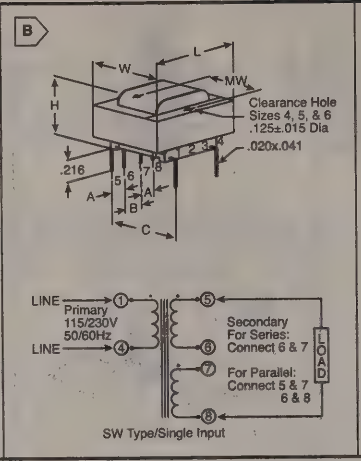


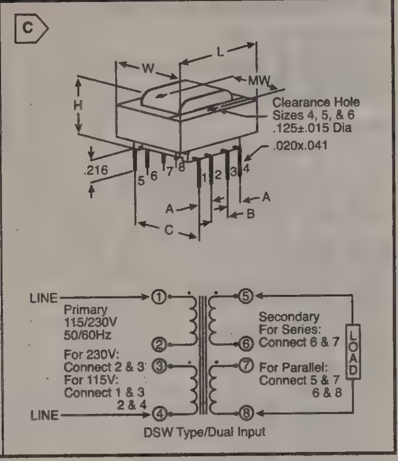
RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Input Voltage	Output Voltage	Output Current	VA	Mounting	Secondary Term.	Primary Term.	Dimensions (In.)				Wt. (Lbs.)	Price Each		
									H	W	D	Mounting W		1	10	50
802-592-9012	592-9012	120	24	1.67	40	Horizontal	1/4 QC	1/4 QC	2.25	3.69	2.25	3.13	1.5	10.33	9.49	8.93
802-592-9017	592-9017	208/240	24	1.67	40	Horizontal	1/4 QC	1/4 QC	2.25	3.69	2.25	3.13	1.5	10.83	9.95	9.36


A
LINE
Primary
115V
50/60Hz
LINE
①
②
③
④
⑤
⑥
⑦
⑧
LOAD
LB Type/Parallel Connections
LINE
Primary
230V
50/60Hz
LINE
LOAD
LB Type/Series Connections
W
.020x.041
MW
B
1
A
L
ML
5
.216
H
.125±.015 dia.


B
W
L
MW
H
Clearance Hole
Sizes 4, 5, & 6
.125±.015 Dia
.020x.041
.216
5 6 7 8
1 2 3 4
A
B
C
LINE
Primary
115/230V
50/60Hz
LINE
①
④
⑤
⑥
⑦
⑧
Secondary
For Series:
Connect 6 & 7
For Parallel:
Connect 5 & 7
6 & 8
LOAD
SW Type/Single Input


C
W
L
MW
H
Clearance Hole
Sizes 4, 5, & 6
.125±.015 Dia
.020x.041
.216
5 6 7 8
1 2 3 4
A
B
C
LINE
Primary
115/230V
50/60Hz
For 230V:
Connect 2 & 3
For 115V:
Connect 1 & 3
2 & 4
LINE
①
②
③
④
⑤
⑥
⑦
⑧
Secondary
For Series:
Connect 6 & 7
For Parallel:
Connect 5 & 7
6 & 8
LOAD
DSW Type/Dual Input

STANCOR PC MOUNT TRANSFORMERS

Compact size leaves more room for other components. Non-concentrically wound to reduce size and cost. Split bobbin winding and low capacitive coupling design eliminates electrostatic shielding requirement and expense.

"Low Boy" LB Series

RoHS Compliant

Features:
- Agency Approvals: UL recognized (File Card E-68100)
- Construction: Semi-Toroidal - UI Laminations
  Dual Windings with Split Bobbin (no static shield)
- PC Pin: Precision spaced to insert directly into printed circuit boards.

Specifications:
- Input Voltages: 115/230V 50/60 Hz
- Operating Temperature: -40° to +105° C
- Output Voltages Ranging from 5VAC to 230VAC
- Power Range = 1.1VA to 20VA
- Low Profile - 2,000 V RMS Hi-Pot Testing

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Fig.	V.A.	Primary Winding	Rated Output						Dimensions (In.)							Wt. (Lbs.)	Price Each		
					Individual		Series		Parallel		H	W	L	Mounting W	Mounting L	A	B		1	10	50
					Volts	mA	Volts	mA	Volts	mA											
802-LB-620	LB-620	A	6	Dual	- - -	- - -	20.0 CT	300	10	600	0.88	1.56	1.88	0.88	1.62	1.60	0.38	0.34	**11.09**	**10.19**	**9.59**
802-LB-1224	LB-1224	A	12	Dual	- - -	- - -	24.0 CT	500	12	1000	1.06	2.00	2.50	1.00	2.00	2.00	0.50	0.72	**11.68**	**10.74**	**10.10**

"Side Winder" SW/DSW Series

Features:
- Agency Approvals: UL recognized (File Card E-68100), CSA certified (File LR67965),
  1.1 VA Size - U.L. Class 2 or Class 3 (File E-33334)
- Construction: El Laminations Secondaries wound side-by-side, No electrostatic shield required
- Class B Insulation (130° C)
- PC Pin: Precision spaced to insert directly into printed circuit boards.

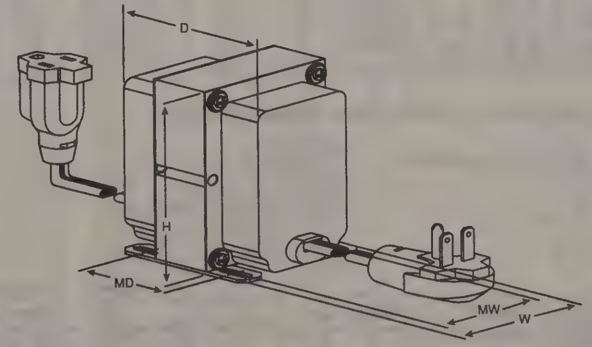
Specifications:
- Input Voltages: SW = 115/230VAC 50/60Hz;
  DSW = 115/230V 50/60 Hz
- Operating Temperature: -40° to +130° C
- Output Voltages Ranging from 5VAC to 230VAC
- Power Range = 1.1VA to 20VA
- Low Profile - 2,000 V RMS Hi-Pot Testing

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Fig.	V.A.	Primary Winding	Rated Output						Dimensions (In.)							Wt. (Lbs.)	Price Each		
					Individual		Series		Parallel		H	W	L	Mounting W	A	B	C		1	10	50
					Volts	mA	Volts	mA	Volts	mA											
802-SW-316	SW-316	B	2.50	Single	8	150	16.0 CT	150	8	300	1.19	1.13	1.38	-	0.25	0.25	1.20	0.25	**6.96**	**6.41**	**6.03**
802-DSW-316	DSW-316	C	2.50	Dual	8	150	16.0 CT	150	8	300	1.19	1.13	1.38	-	0.25	0.25	1.20	0.25	**7.12**	**6.53**	**6.15**
802-SW-616	SW-616	B	20.0	Single	8	1250	16.0 CT	1250	8	2500	1.44	1.88	2.25	1.50	0.30	0.40	1.60	0.80	**13.66**	**12.90**	**12.14**
802-DSW-520	DSW-520	C	12.0	Dual	10	600	20.0 CT	600	10	1200	1.44	1.56	1.88	1.25	0.30	0.40	1.41	0.70	**9.16**	**8.43**	**7.92**

STANCOR AUTO / ISOLATION TRANSFORMERS

Step-down Auto Transformers enable use of U.S.-made equipment in foreign countries. Step-up Auto Transformers enable use of foreign-made equipment in U.S. Isolation Transformers provide isolation for sensitive equipment from line voltage. NEMA standard cord and receptacle for safety. May be operated at 400Hz with no change in output rating. Heavy duty end bells protect users from internal connections.



Features:
- Three conductor line cord and receptacle; Some items available with leadwires
- GIS and GISD Series have electrostatic shields connected to case, core, and to third conductor of cord and receptacle.
- El Laminations
- Heavy duty welded plate ensures mounting stability.

Specifications:
- Input Voltages: 115VAC or 230VAC
- Operating Temperature: -40° to 105° C
- Output Voltage: 115VAC or 230VAC
- Power Range: .06VA to 1500VA
- RMS Test Voltage: 1500

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Type	Voltage Step	Input Voltage	Output Voltage	Amps	V.A Cap.	Dimensions (In.)					Wt. (Lbs.)	Price Each		
								H	W	D	Mounting W	Mounting D		1	10	50
802-GSD-500	GSD-500	Auto	Down	230	115	4.30	500	4.63	3.81	4.44	3.00	3.19	10.6	**76.74**	**70.51**	**66.36**
802-GSD-750	GSD-750	Auto	Down	230	115	6.50	750	4.63	3.81	5.38	3.00	3.94	14.4	**95.54**	**87.80**	**82.63**
802-GSD-1000	GSD-1000	Auto	Down	230	115	8.70	1000	4.63	3.81	6.06	3.00	4.69	17.0	**120.08**	**111.91**	**104.80**
802-GSD-1500	GSD-1500	Auto	Down	230	115	13.0	1500	5.38	4.44	6.00	3.50	4.00	20.0	**183.34**	**168.48**	**158.58**
802-GIS-150	GIS-150	Isolation	Straight	115	115	1.30	150	3.88	3.13	4.19	2.50	2.72	7.0	**67.21**	**61.76**	**58.13**
802-GIS-500	GIS-500	Isolation	Straight	115	115	4.35	500	4.69	3.75	6.00	3.00	4.69	16.0	**106.87**	**97.43**	**91.16**
802-GIS-1000	GIS-1000	Isolation	Straight	115	115	8.70	1000	5.38	4.38	8.13	3.50	6.50	31.0	**209.52**	**191.03**	**178.71**
802-GISD-500	GISD-500	Isolation	Down	230	115	4.35	500	4.69	3.75	6.00	3.00	4.69	16.0	**116.07**	**106.66**	**100.38**
802-GISD-1000	GISD-1000	Isolation	Down	230	115	8.70	1000	5.38	4.38	8.13	3.50	6.50	31.0	**191.30**	**184.92**	**178.55**

STANCOR DC Power Contactors and Thermostats

STANCOR.

DC POWER CONTACTORS

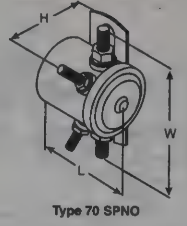
- Industry benchmark designs
- Superior quality and materials
- Broad range of coil voltages and contact ratings
- Long operating life
- Versatile mounting and termination

Features:

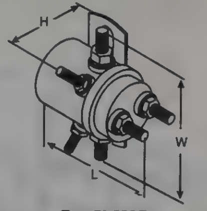
- Heavy duty mounting brackets
- Robust 5/16" - 24 studs
- Rated for Continuous Duty or Intermittent Duty
- Isolated, grounded, and common coil configurations available
- Dust and splash proof designs available

Specifications:

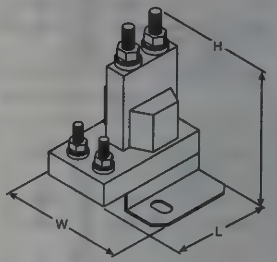
- Contact Pole Forms:
  Single Pole Normally Open (SPNO)
  Single Pole Double Throw (SPDT)
- Coil Voltages:
  Ranging from 6VDC to 48VDC
- Operating Temperatures:
  Ranging from --20°F to 150°F (Ambient)
- Contact Ratings:
  Normally Open
    Ranging from 50A to 200A Continuous
    Ranging from 200A to 800A Inrush
  Normally Closed
    Ranging from 30A to 100A Continuous
    Ranging from 30A to 300A Inrush
- Duty Cycle: Continuous



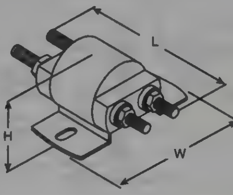
Type 70 SPNO



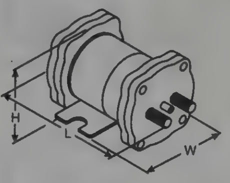
Type 70 SPDT



Type 120



Type 124



Type 586

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Pole Form	Bracket Style	Coil Volt DC	Coil Resistance (Ω) @ 25°C	Contact Material	Volt DC	Contact Rating (Amps) Inductive Load				Dimensions (In.)			Wt. (Lbs.)	Price Each		
								Norm. Open		Norm. Closed		L	W	H		1	10	50
								Cont.	Inrush	Cont.	Inrush							
Type 70																		
802-70-901	70-901	SPNO	Standard	6	4	Copper	6	80	800	---	---	2.47	3.48	2.40	0.78	15.47	14.02	12.82
802-70-914	70-914	SPNO	Standard	12	16	Copper	12	80	400	---	---	2.47	3.48	2.40	0.78	16.46	15.22	13.74
802-70-902	70-902	SPNO	Standard	12	16	Copper	12	80	400	---	---	2.47	3.48	2.40	0.78	15.63	14.45	13.28
802-70-906	70-906	SPNO	Standard	12	16	Silver	12	80	400	---	---	2.47	3.48	2.40	0.78	30.73	28.43	26.12
802-70-915	70-915	SPNO	Standard	24	60	Copper	24	50	200	---	---	2.47	3.48	2.40	0.78	16.21	15.01	13.78
802-70-903	70-903	SPNO	Standard	24	60	Copper	24	50	200	---	---	2.47	3.48	2.40	0.78	15.69	14.52	13.34
802-70-904	70-904	SPNO	Standard	36	114	Copper	36	50	200	---	---	2.47	3.48	2.40	0.78	16.08	14.88	13.42
802-70-922	70-922	SPDT	Standard	12	16	NO Cop./NC Slvr	12	80	400	60	60	3.31	3.48	2.40	0.88	38.52	35.63	32.16
802-70-910	70-910	SPDT	Standard	12	16	Silver	12	80	400	60	60	3.31	3.48	2.40	0.88	57.78	53.44	49.11
802-70-911	70-911	SPDT	Standard	24	60	Silver	24	50	200	30	30	3.31	3.48	2.40	0.88	58.05	53.69	48.47
Type 120																		
802-120-901	120-901	SPNO	Standard	12	16	Silver Alloy	12	100	400	---	---	2.13	2.88	3.25	0.38	15.10	13.97	12.84
802-120-907	120-907	SPNO	L	12	16	Silver Alloy	12	100	400	---	---	2.50	3.00	3.25	0.38	15.87	14.68	13.25
802-120-902	120-902	SPNO	Standard	15	20.8	Silver Alloy	15	100	400	---	---	2.13	2.88	3.25	0.38	15.57	14.41	13.00
802-120-908	120-908	SPNO	L	15	20.8	Silver Alloy	15	100	400	---	---	2.50	3.00	3.25	0.38	15.42	14.27	13.11
802-120-904	120-904	SPNO	Standard	24	64	Silver Alloy	24	100	400	---	---	2.13	2.88	3.25	0.38	15.10	13.97	12.84
Type 124																		
802-124-906	124-906	SPNO	Standard	12	13.2	Silver Alloy	12	100	400	---	---	3.56	3.13	2.19	1.00	28.24	25.62	23.45
802-124-902	124-902	SPNO	Standard	12	13.2	Silver Alloy	12	100	400	---	---	3.56	3.13	2.19	1.00	28.24	25.62	23.45
802-124-910	124-910	SPDT	Standard	12	13.2	Silver Alloy	12	100	400	50	200	4.69	3.13	2.19	1.19	44.03	40.01	36.62
802-124-903	124-903	SPNO	Standard	24	53	Silver Alloy	24	100	400	---	---	3.56	3.13	2.19	1.00	28.24	25.62	23.45
802-124-911	124-911	SPDT	Standard	24	53	Silver Alloy	24	100	400	50	100	4.69	3.13	2.19	1.19	44.03	40.01	36.62
802-124-904	124-904	SPNO	Standard	36	120	Silver Alloy	36	100	400	---	---	3.56	3.13	2.19	1.00	28.24	25.62	23.45
Type 586																		
802-586-901	586-901	SPNO	Standard	6	5.3	Silver Alloy	6	200	600	---	---	3.69	3.30	2.90	1.50	44.74	40.65	37.21
802-586-902	586-902	SPNO	Standard	12	21	Silver Alloy	12	200	600	---	---	3.69	3.30	2.90	1.50	44.74	40.65	37.21
802-586-903	586-903	SPNO	Standard	15	32.8	Silver Alloy	15	200	600	---	---	3.69	3.30	2.90	1.50	44.74	40.65	37.21
802-586-905	586-905	SPNO	Standard	24	84	Silver Alloy	24	200	600	---	---	3.69	3.30	2.90	1.50	44.74	40.65	37.21
802-586-906	586-906	SPNP	Standard	36	189	Silver Alloy	36	200	600	---	---	3.69	3.30	2.90	1.50	44.50	41.16	37.16
802-586-907	586-907	SPNO	Standard	48	336	Silver Alloy	36	200	600	---	---	3.69	3.30	2.90	1.50	44.74	40.65	37.21
802-586-911	586-911	SPDT	Standard	12	13.2	Silver Alloy	12	200	600	100	300	4.61	3.30	2.90	1.63	61.97	57.17	52.37
802-586-914	586-914	SPDT	Standard	24	53	Silver Alloy	24	200	600	100	200	4.61	3.30	2.90	1.63	62.94	57.33	52.58

STANCOR SNAP ACTION DISC THERMOSTATS

Features:

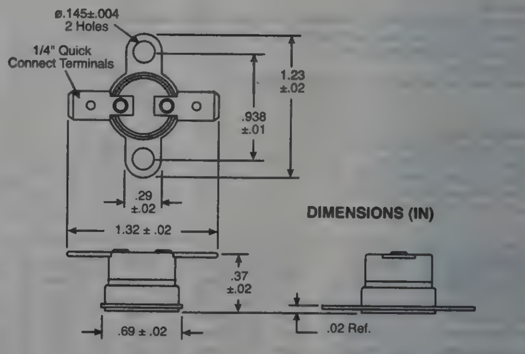
- Loose ring, stainless steel mounting brackets
- 1/4" quick connect termination
- Automatic reset
- Enclosed Disc
- Aluminum Disc Cup

Specifications:

- Single Pole, Single Throw
- Available in either open or close on temperature rise
- General Electrical Ratings
  Resistive: 15A @ 120VAC, 10A @ 240VAC
  Inductive: 3.0FLA-12.0LRA @ 120VAC,
  1.5FLA-6.0LRA @ 240VAC
  Pilot Duty: 125VA
- Consult factory for D.C. rating

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Stancor Part No.	Operating Range†		Function††	Differential†††	Price Each		
		°F	°C			1	10	50
802-STO-60	STO-60	55 to 65	13 to 18	Opens	20°F 12°C	4.09	3.72	3.49
802-STO-85	STO-85	80 to 90	27 to 32	Opens	15°F 8°C	4.44	4.09	3.84
802-STC-100	STC-100	93 to 107	34 to 42	Closes	30°F 17°C	4.44	4.09	3.84
802-STC-120	STC-120	113 to 127	45 to 53	Closes	30°F 17°C	4.09	3.72	3.49
802-STO-120	STO-120	115 to 125	46 to 52	Opens	30°F 17°C	4.44	4.09	3.84
802-STC-140	STC-140	133 to 147	56 to 64	Closes	30°F 17°C	4.09	3.72	3.49
802-STO-140	STO-140	135 to 145	57 to 63	Opens	30°F 17°C	4.44	4.09	3.84
802-STO-160	STO-160	155 to 165	68 to 74	Opens	30°F 17°C	4.09	3.72	3.49
802-STO-170	STO-170	165 to 175	74 to 79	Opens	30°F 17°C	4.09	3.72	3.49
802-STC-170	STC-170	162 to 178	72 to 81	Closes	30°F 17°C	4.09	3.72	3.49
802-STO-190	STO-190	185 to 195	85 to 91	Opens	30°F 17°C	4.44	4.09	3.84
802-STO-210	STO-210	204 to 216	96 to 102	Opens	30°F 17°C	4.09	3.72	3.49
802-STO-250	STO-250	244 to 256	118 to 124	Opens	30°F 17°C	4.44	4.09	3.84
802-STO-325	STO-325	315 to 335	157 to 169	Opens	50°F 28°C	4.09	3.72	3.49



DIMENSIONS (IN)

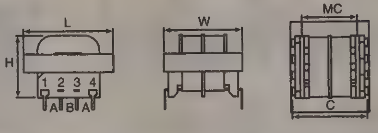
† Operating Range: Range of temperature at which disc thermostat performs switching function.

†† Function: Opens - Normally closed circuit - opens within specified temperature range.
Closes - Normally open circuit - closes within specified temperature range.

††† Differential: Temperature drop below operating range minimum necessary for disc to reset.

TAMURA Power Transformers

LAMINATED POWER TRANSFORMERS



- Class B 130°C Insulation
- 2500 Vrms Hi-Pot
- North American Application

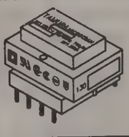
Single Primary 115V

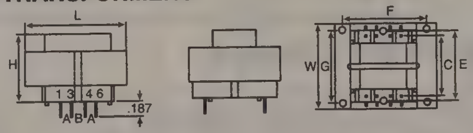
Dual Primary 115/230VAC

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Price Each		MOUSER STOCK NO.	Tamura Part No.	Price Each		Power (VA)	Secondary Ratings		Dimensions (In)						
		1	10			1	10		Series (VCT @ A)	Parallel (VAC @ A)	L	W	H	MC	A	B	C
838-3FS-210	3FS-210	2.98	2.36	838-3FD-210	3FD-210	3.12	2.47	1.1	10.0 @ 0.110	5.0 @ 0.220	1.44	1.23	1.00	—	0.25	0.25	1.20
838-3FS-212	3FS-212	2.98	2.36	838-3FD-212	3FD-212	3.12	2.47	1.1	12.6 @ 0.090	6.3 @ 0.180	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-216	3FS-216	2.98	2.36	838-3FD-216	3FD-216	3.12	2.47	1.1	16.0 @ 0.070	8.0 @ 0.140	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-220	3FS-220	2.98	2.36	838-3FD-220	3FD-220	3.12	2.47	1.1	20.0 @ 0.055	10.0 @ 0.110	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-224	3FS-224	2.98	2.36	838-3FD-224	3FD-224	3.12	2.47	1.1	24.0 @ 0.045	12.0 @ 0.090	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-228	3FS-228	2.98	2.36	838-3FD-228	3FD-228	3.12	2.47	1.1	28.0 @ 0.040	14.0 @ 0.080	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-236	3FS-236	2.98	2.36	838-3FD-236	3FD-236	3.12	2.47	1.1	36.0 @ 0.030	18.0 @ 0.060	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-248	3FS-248	2.98	2.36	838-3FD-248	3FD-248	3.12	2.47	1.1	48.0 @ 0.023	24.0 @ 0.046	1.44	1.23	1.00	---	0.25	0.25	1.20
838-3FS-310	3FS-310	3.53	2.79	838-3FD-310	3FD-310	3.55	2.81	2.4	10.0 @ 0.250	5.0 @ 0.500	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-312	3FS-312	3.53	2.79	838-3FD-312	3FD-312	3.55	2.81	2.4	12.6 @ 0.200	6.3 @ 0.400	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-316	3FS-316	3.53	2.79	838-3FD-316	3FD-316	3.55	2.81	2.4	16.0 @ 0.150	8.0 @ 0.300	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-320	3FS-320	3.53	2.79	838-3FD-320	3FD-320	3.55	2.81	2.4	20.0 @ 0.120	10.0 @ 0.240	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-324	3FS-324	3.53	2.79	838-3FD-324	3FD-324	3.55	2.81	2.4	24.0 @ 0.100	12.0 @ 0.200	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-328	3FS-328	3.53	2.79	838-3FD-328	3FD-328	3.55	2.81	2.4	28.0 @ 0.085	14.0 @ 0.170	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-336	3FS-336	3.53	2.79	838-3FD-336	3FD-336	3.55	2.81	2.4	36.0 @ 0.065	18.0 @ 0.130	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-348	3FS-348	3.53	2.79	838-3FD-348	3FD-348	3.55	2.81	2.4	48.0 @ 0.050	24.0 @ 0.100	1.44	1.23	1.26	---	0.25	0.25	1.20
838-3FS-410	3FS-410	6.10	4.83	838-3FD-410	3FD-410	6.43	5.09	6.0	10.0 @ 0.600	5.0 @ 1.200	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-412	3FS-412	6.10	4.83	838-3FD-412	3FD-412	6.43	5.09	6.0	12.6 @ 0.500	6.3 @ 1.000	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-416	3FS-416	6.10	4.83	838-3FD-416	3FD-416	6.43	5.09	6.0	16.0 @ 0.400	8.0 @ 0.800	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-420	3FS-420	6.10	4.83	838-3FD-420	3FD-420	6.43	5.09	6.0	20.0 @ 0.300	10.0 @ 0.600	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-424	3FS-424	6.10	4.83	838-3FD-424	3FD-424	6.43	5.09	6.0	24.0 @ 0.250	12.0 @ 0.500	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-428	3FS-428	6.10	4.83	838-3FD-428	3FD-428	6.43	5.09	6.0	28.0 @ 0.200	14.0 @ 0.400	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-436	3FS-436	6.10	4.83	838-3FD-436	3FD-436	6.43	5.09	6.0	36.0V @ 0.170	18.0 @ 0.340	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-448	3FS-448	6.10	4.83	838-3FD-448	3FD-448	6.43	5.09	6.0	48.0 @ 0.125	24.0 @ 0.250	1.69	1.39	1.36	1.0625	0.25	0.35	1.28
838-3FS-510	3FS-510	8.26	6.47	838-3FD-510	3FD-510	8.54	6.76	12.0	10.0 @ 1.200	5.0 @ 2.400	1.97	1.63	1.50	1.25	0.30	0.40	1.41
838-3FS-512	3FS-512	8.26	6.47	838-3FD-512	3FD-512	8.54	6.76	12.0	12.6 @ 1.000	6.3 @ 2.000	1.97	1.63	1.50	1.25	0.30	0.40	1.41
838-3FS-516	3FS-516	8.26	6.47	838-3FD-516	3FD-516	8.54	6.76	12.0	16.0 @ 0.800	8.0 @ 1.600	1.97	1.63	1.50	1.25	0.30	0.40	1.41
838-3FS-520	3FS-520	8.26	6.47	838-3FD-520	3FD-520	8.54	6.76	12.0	20.0 @ 0.600	10.0 @ 1.200	1.97	1.63	1.50	1.25	0.30	0.40	1.41
838-3FS-524	3FS-524	8.26	6.47	838-3FD-524	3FD-524	8.54	6.76	12.0	24.0 @ 0.500	12.0 @ 1.000	1.97	1.63	1.50	1.25	0.30	0.40	1.41
838-3FS-528	3FS-528	8.26	6.47	838-3FD-528	3FD-528	8.54	6.76	12.0	28.0 @ 0.420	14.0 @ 0.840	1.97	1.63	1.50	1.25	0.30	0.40	1.41
838-3FS-536	3FS-536	8.26	6.47	838-3FD-536	3FD-536	8.54	6.76	12.0	36.0 @ 0.350	18.0 @ 0.700	1.97	1.63	1.50	1.25	0.30	0.40	1.41
838-3FS-548	3FS-548	8.26	6.47	838-3FD-548	3FD-548	8.54	6.76	12.0	48.0 @ 0.250	24.0 @ 0.500	1.97	1.63	1.50	1.25	0.30	0.40	1.41

INTERNATIONAL LAMINATED POWER TRANSFORMERS





- Class B 130°C Insulation
- 3500 Vrms Hi-Pot test
- 115V/230V Dual Primary

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Power (VA)	Secondary Ratings		Dimensions (In)						Mounting Dimensions (In)			Price Each	
			Series (VCT @ A)	Parallel (VAC @ A)	L	W	H	A	B	C	E	F	G	1	10
838-PL2.5-10-130B	PL2.5-10-130B	2.5	10.0 @ 0.25	5.0 @ 0.50	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	5.62	4.45
838-PL5.0-10-130B	PL5.0-10-130B	5.0	10.0 @ 0.50	5.0 @ 1.00	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	6.86	5.43
838-PL10-10-130B	PL10-10-130B	10.0	10.0 @ 1.00	5.0 @ 2.00	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	8.04	6.37
838-PL20-10-130B	PL20-10-130B	20.0	10.0 @ 2.00	5.0 @ 4.00	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	10.75	8.51
838-PL30-10-130B	PL30-10-130B	30.0	10.0 @ 3.00	5.0 @ 6.00	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.96	10.93
838-PL2.5-12-130B	PL2.5-12-130B	2.5	12.6 @ 0.20	6.3 @ 0.40	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	5.59	4.43
838-PL5.0-12-130B	PL5.0-12-130B	5.0	12.6 @ 0.40	6.3 @ 0.80	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	5.45	4.31
838-PL10-12-130B	PL10-12-130B	10.0	12.6 @ 0.80	6.3 @ 1.60	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	7.68	6.08
838-PL20-12-130B	PL20-12-130B	20.0	12.6 @ 1.60	6.3 @ 3.20	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	10.90	8.63
838-PL30-12-130B	PL30-12-130B	30.0	12.6 @ 2.40	6.3 @ 4.80	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.96	10.93
838-PL2.5-16-130B	PL2.5-16-130B	2.5	16.0 @ 0.15	8.0 @ 0.30	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	5.45	4.31
838-PL5.0-16-130B	PL5.0-16-130B	5.0	16.0 @ 0.31	8.0 @ 0.62	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	4.51	3.57
838-PL10-16-130B	PL10-16-130B	10.0	16.0 @ 0.62	8.0 @ 1.25	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	6.50	5.15
838-PL20-16-130B	PL20-16-130B	20.0	16.0 @ 1.25	8.0 @ 2.50	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	10.49	8.30
838-PL30-16-130B	PL30-16-130B	30.0	16.0 @ 1.90	8.0 @ 3.80	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	14.00	10.96
838-PL2.5-20-130B	PL2.5-20-130B	2.5	20.0 @ 0.12	10.0 @ 0.24	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	4.94	3.91
838-PL5.0-20-130B	PL5.0-20-130B	5.0	20.0 @ 0.25	10.0 @ 0.50	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	4.51	3.57
838-PL10-20-130B	PL10-20-130B	10.0	20.0 @ 0.50	10.0 @ 1.00	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	8.02	6.35
838-PL20-20-130B	PL20-20-130B	20.0	20.0 @ 1.00	10.0 @ 2.00	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	10.66	8.44
838-PL30-20-130B	PL30-20-130B	30.0	20.0 @ 1.50	10.0 @ 3.00	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	14.37	11.25
838-PL2.5-24-130B	PL2.5-24-130B	2.5	24.0 @ 0.10	12.0 @ 0.20	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	4.94	3.91
838-PL5.0-24-130B	PL5.0-24-130B	5.0	24.0 @ 0.21	12.0 @ 0.42	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	4.49	3.55
838-PL10-24-130B	PL10-24-130B	10.0	24.0 @ 0.42	12.0 @ 0.84	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	8.04	6.37
838-PL20-24-130B	PL20-24-130B	20.0	24.0 @ 0.83	12.0 @ 1.66	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	11.04	8.74
838-PL30-24-130B	PL30-24-130B	30.0	24.0 @ 1.25	12.0 @ 2.50	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	14.37	11.25
838-PL2.5-28-130B	PL2.5-28-130B	2.5	28.0 @ 0.09	14.0 @ 0.18	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	5.59	4.43
838-PL5.0-28-130B	PL5.0-28-130B	5.0	28.0 @ 0.18	14.0 @ 0.36	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	5.45	4.31
838-PL10-28-130B	PL10-28-130B	10.0	28.0 @ 0.36	14.0 @ 0.72	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	8.04	6.37
838-PL20-28-130B	PL20-28-130B	20.0	28.0 @ 0.72	14.0 @ 1.44	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	10.82	8.57
838-PL30-28-130B	PL30-28-130B	30.0	28.0 @ 1.06	14.0 @ 2.12	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.68	10.71
838-PL2.5-36-130B	PL2.5-36-130B	2.5	36.0 @ 0.07	18.0 @ 0.14	1.625	1.313	1.125	0.200	0.250	1.000	1.063	---	---	5.59	4.43
838-PL5.0-36-130B	PL5.0-36-130B	5.0	36.0 @ 0.14	18.0 @ 0.28	1.625	1.313	1.375	0.200	0.400	1.000	1.063	---	---	4.49	3.55
838-PL10-36-130B	PL10-36-130B	10.0	36.0 @ 0.28	18.0 @ 0.56	1.875	1.563	1.375	0.200	0.400	1.140	1.250	---	---	8.06	6.38
838-PL20-36-130B	PL20-36-130B	20.0	36.0 @ 0.56	18.0 @ 1.12	2.250	1.875	1.625	0.400	0.400	1.460	1.500	---	---	10.82	8.57
838-PL30-36-130B	PL30-36-130B	30.0	36.0 @ 0.82	18.0 @ 1.64	2.625	2.188	1.563	0.550	0.275	1.680	---	2.190	1.750	13.87	10.86

TRIAD Power Transformers

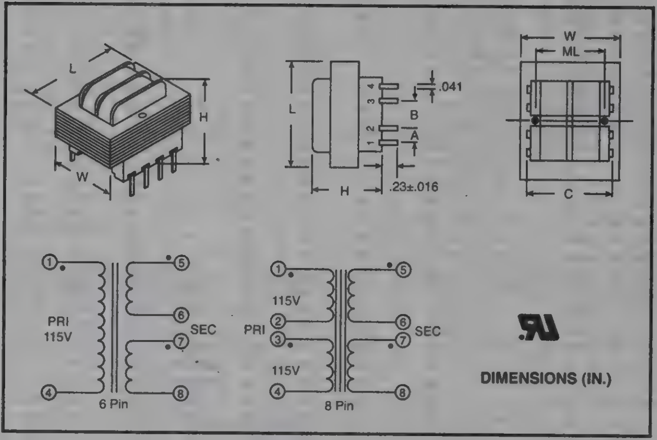
TRIAD SPLIT-PACK® POWER TRANSFORMERS

The Triad Split-Pack® split bobbin transformer is an extremely versatile tool for PC board applications. Split-Pack® transformers are nonconcentrically wound with primaries and secondaries side-by-side. Unlike the secondary on-top-of-primary designs of standard PC board transformers, the split-bobbin winding and low capacitive coupling eliminate costly electrostatic shielding.

Features:

- Primary: 115/230VAC 50/60Hz
- Hi-pot tested at 2,500VRMS
- Class B UL recognized
- PC terminal pin spacing for accurate placement

Series connections: 230VAC
Primary: input 1 and 4, connect 2 and 3
Secondary: output 5 and 8, connect 6 and 7
Parallel connections: 115VAC
Primary: input 1 and 2, connect 1 and 3, 2 and 4
Secondary: output 5 and 6, connect 5 and 7, 6 and 8



* Has 4 mounting holes on 2.188 x 1.75 centers

Power (VA)	Dimensions (In.)						
	H	W	L	ML	A	B	C
1.1	0.9375	1.125	1.375	- - -	0.25	0.25	1.20
2.5	1.188	1.125	1.375	- - -	0.25	0.25	1.20
6.0	1.313	1.313	1.625	1.063	0.25	0.35	1.28
12.0	1.438	1.563	1.875	1.250	0.30	0.40	1.41
20.0	1.438	1.875	2.250	1.500	0.30	0.40	1.60
36.0	1.563	2.188	2.625	*	0.40	0.40	1.85

Single Primary 115V, 6 Pins

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power (VA)	Secondary Ratings		Price Each		
		Series	Parallel	1	10	25
553-F24-045	1.1	24.0VAC CT @ 0.045A	12.0VAC @ 0.09A	7.51	6.38	5.71
553-F10-250	2.5	10.0VAC CT @ 0.25A	5.0VAC @ 0.5A	7.64	6.49	5.81
553-F12-200	2.5	12.6VAC CT @ 0.2A	6.3VAC @ 0.4A	7.64	6.49	5.81
553-F16-150	2.5	16.0VAC CT @ 0.15A	8.0VAC @ 0.3A	7.64	6.49	5.81
553-F36-65	2.5	36.0VAC CT @ 0.065A	18.0VAC @ 0.13A	7.64	6.49	5.81
553-F12-500	6.0	12.6VAC CT @ 0.5A	6.3VAC @ 1.0A	8.64	7.34	6.57
553-F16-400	6.0	16.0VAC CT @ 0.4A	8.0VAC @ 0.8A	8.64	7.34	6.57
553-F20-300	6.0	20.0VAC CT @ 0.3A	10.0VAC @ 0.6A	8.64	7.34	6.57
553-F24-250	6.0	24.0VAC CT @ 0.25A	12.0VAC @ 0.5A	8.64	7.34	6.57
553-F28-200	6.0	28.0VAC CT @ 0.2A	14.0VAC @ 0.4A	8.64	7.34	6.57
553-F10-1200	12.0	10.0VAC CT @ 1.2A	5.0VAC @ 2.4A	9.91	8.42	7.53
553-F12-1000	12.0	12.6VAC CT @ 1.0A	6.3VAC @ 2.0A	9.91	8.42	7.53
553-F20-600	12.0	20.0VAC CT @ 0.6A	10.0VAC @ 1.2A	9.91	8.42	7.53
553-F24-500	12.0	24.0VAC CT @ 0.5A	12.0VAC @ 1.0A	9.91	8.42	7.53
553-F20-1000	20.0	20.0VAC CT @ 1.0A	10.0VAC @ 2.0A	11.84	9.99	8.99
553-F16-2250	36.0	16.0VAC CT @ 2.25A	8.0VAC @ 4.5A	15.27	12.98	11.61

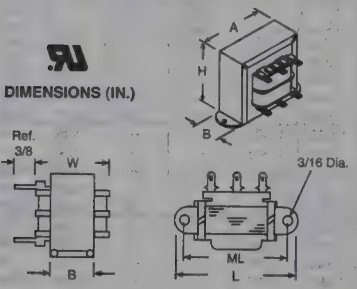
Dual Primary 115V/230V, 8 Pins

For quantities greater than listed, call for quote.

553-FS24-045	1.1	24.0VAC CT @ 0.045A	12.0VAC @ 0.09A	8.62	7.45	6.67
553-FS48-023	1.1	48.0VAC CT @ 0.023A	24.0VAC @ 0.046A	8.71	7.40	6.62
553-FS10-250	2.5	10.0VAC CT @ 0.25A	5.0VAC @ 0.5A	9.00	7.65	6.84
553-FS12-200	2.5	12.6VAC CT @ 0.2A	6.3VAC @ 0.4A	9.00	7.65	6.84
553-FS16-150	2.5	16.0VAC CT @ 0.15A	8.0VAC @ 0.3A	9.00	7.65	6.84
553-FS24-100	2.5	24.0VAC CT @ 0.1A	12.0VAC @ 0.2A	9.00	7.65	6.84
553-FS36-65	2.5	36.0VAC CT @ 0.065A	18.0VAC @ 0.13A	9.00	7.65	6.84
553-FS48-050	2.5	48.0VAC CT @ 0.05A	24.0VAC @ 0.1A	9.00	7.65	6.84
553-FS10-600	6.0	10.0VAC CT @ 0.6A	5.0VAC @ 1.2A	9.60	8.16	7.30
553-FS12-500	6.0	12.6VAC CT @ 0.5A	6.3VAC @ 1.0A	9.60	8.16	7.30
553-FS16-400	6.0	16.0VAC CT @ 0.4A	8.0VAC @ 0.8A	9.60	8.16	7.30
553-FS20-300	6.0	20.0VAC CT @ 0.3A	10.0VAC @ 0.6A	9.60	8.16	7.30
553-FS24-250	6.0	24.0VAC CT @ 0.25A	12.0VAC @ 0.5A	9.60	8.16	7.30
553-FS28-200	6.0	28.0VAC CT @ 0.2A	14.0VAC @ 0.4A	9.60	8.16	7.30
553-FS36-170	6.0	36.0VAC CT @ 0.17A	18.0VAC @ 0.34A	9.60	8.16	7.30
553-FS12-1000	12.0	12.6VAC CT @ 1.0A	6.3VAC @ 2.0A	11.00	9.35	8.36
553-FS16-800	12.0	16.0VAC CT @ 0.8A	8.0VAC @ 1.6A	11.00	9.35	8.36
553-FS20-600	12.0	20.0VAC CT @ 0.6A	10.0VAC @ 1.2A	11.00	9.35	8.36
553-FS24-500	12.0	24.0VAC CT @ 0.5A	12.0VAC @ 1.0A	11.00	9.35	8.36
553-FS28-420	12.0	28.0VAC CT @ 0.42A	14.0VAC @ 0.84A	11.00	9.35	8.36
553-FS36-350	12.0	36.0VAC CT @ 0.35A	18.0VAC @ 0.7A	11.00	9.35	8.36
553-FS12-1600	20.0	12.6VAC CT @ 1.6A	6.3VAC @ 3.2A	13.51	11.48	10.27
553-FS20-1000	20.0	20.0VAC CT @ 1.0A	10.0VAC @ 2.0A	13.51	11.48	10.27
553-FS24-800	20.0	24.0VAC CT @ 0.8A	12.0VAC @ 1.6A	13.51	11.48	10.27
553-FS20-1800	36.0	20.0VAC CT @ 1.8A	10.0VAC @ 3.6A	16.84	14.31	12.80
553-FS24-1500	36.0	24.0VAC CT @ 1.5A	12.0VAC @ 3.0A	16.84	14.31	12.80
553-FS28-1300	36.0	28.0VAC CT @ 1.3A	14.0VAC @ 2.6A	16.84	14.31	12.80
553-FS36-1000	36.0	36.0VAC CT @ 1.0A	18.0VAC @ 2.0A	16.84	14.31	12.80

TRIAD QUICK PACK® POWER TRANSFORMERS

The Triad Quick Pack® offers a significant reduction in size and weight for a given VA rating. They are available in 5 sizes for a wide variety of applications. Quick Pack® transformers are bobbin wound for reduced size and small operating space, plus split bobbin nonconcentric winding eliminates costly electrostatic shielding. Termination is suitable for quick connects or soldering.



Features:

- Hi-pot tested at 2,500VRMS
- Class B insulation for max temperature of 130°C
- Terminal size is .187" x .021"
- UL recognized
- Mounting hole size: 0.188"

Output (VA)	Dimensions (In.)					
	L	W	H	A	B	ML
6.0	2.375	1.250	1.375	1.688	0.688	2.000
12.0	2.813	1.375	1.625	1.938	0.813	2.375
30.0	3.250	1.688	1.938	2.313	1.063	2.813
56.0	3.688	1.813	2.250	2.688	1.063	3.125
100.0	4.031	2.250	2.563	3.063	1.313	3.563

Single Primary 115VAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Output (VA)	Output Rating	Price Each		
			1	10	25
553-F4-12	6.0	12.6VAC CT @ 0.5A	8.40	7.14	6.38
553-F4-120	6.0	120.0VAC CT @ 0.05A	8.40	7.14	6.38
553-F5-10	12.0	10.0VAC CT @ 1.2A	9.20	7.82	6.99
553-F5-12	12.0	12.6VAC CT @ 1.0A	9.20	7.82	6.99
553-F5-16	12.0	16.0VAC CT @ 0.8A	9.20	7.82	6.99
553-F6-10	30.0	10.0VAC CT @ 3.0A	12.51	10.63	9.51
553-F6-12	30.0	12.6VAC CT @ 2.5A	12.51	10.63	9.51
553-F6-24	30.0	24.0VAC CT @ 1.25A	12.51	10.63	9.51
553-F7-20	56.0	20.0VAC CT @ 2.8A	17.40	14.79	13.22
553-F7-24	56.0	24.0VAC CT @ 2.4A	17.40	14.79	13.22
553-F8-12	100.0	12.6VAC CT @ 8.0A	25.00	21.25	18.99
553-F8-24	100.0	24.0VAC CT @ 4.0A	25.00	21.25	18.99

Dual Primary 115/230VAC

553-FD4-120	6.0	120.0VAC CT @ 0.05A	10.24	8.70	7.78
553-FD5-16	12.0	16.0VAC CT @ 0.8A	11.09	9.66	8.63
553-FD6-12	30.0	12.6VAC CT @ 2.5A	14.71	12.50	11.18
553-FD6-20	30.0	20.0VAC CT @ 1.5A	14.71	12.50	11.18
553-FD7-16	56.0	16.0VAC CT @ 3.5A	18.00	15.30	13.68
553-FD7-24	56.0	24.0VAC CT @ 2.4A	18.00	15.30	13.68
553-FD7-36	56.0	36.0VAC CT @ 1.5A	18.00	15.30	13.68

TRIAD FLAT PACK POWER TRANSFORMERS

The Triad Flat Pack power transformer is designed to meet the needs of low clearance PC board and solid state power designs. These units can also be used for control and instrumentation applications. Voltages and currents were chosen for widely used power applications. It is offered in a dual primary and dual secondary configuration.

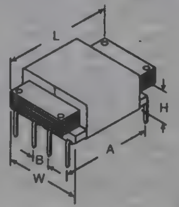
Features:

- Split bobbin with side-by-side windings to reduce capacitance and eliminate the need for a static shield
- Low profile: Allows 3/4" card spacing for 2.5 VA units, allows 1" card spacing for 6 VA units, allows 1 1/4" card spacing for 12 VA units

Specifications:

- Hi-pot tested at 2000 VRMS
- Primary: 115/230VAC, 50/60Hz

Power (VA)	Dimensions (In.)				
	H	W	L	A	B
2.5	0.650	1.562	1.875	1.600	0.375
6.0	0.875	1.562	1.875	1.600	0.375
12.0	1.062	2.000	2.500	2.000	0.500



For quantities greater than listed, call for quote.

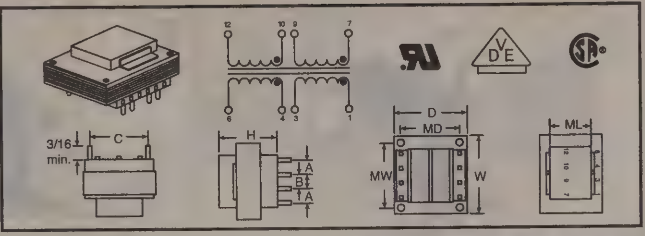
MOUSER STOCK NO.	Power (VA)	Secondary Ratings		Price Each		
		Series	Parallel	1	10	25
553-FP10-250	2.5	10.0VAC CT @ 0.25A	5.0VAC @ 0.5A	10.76	9.15	8.18
553-FP12-200	2.5	12.6VAC CT @ 0.2A	6.3VAC @ 0.4A	10.76	9.15	8.18
553-FP30-85	2.5	30.0VAC CT @ 0.08A	15.0VAC @ 0.16A	10.76	9.15	8.18
553-FP12-475	6.0	12.6VAC CT @ 0.475A	6.3VAC @ 0.95A	11.99	10.20	9.13
553-FP16-375	6.0	16.0VAC CT @ 0.375A	8.0VAC @ 0.75A	11.99	10.20	9.13
553-FP20-300	6.0	20.0VAC CT @ 0.3A	10.0VAC @ 0.6A	11.99	10.20	9.13
553-FP24-250	6.0	24.0VAC CT @ 0.25A	12.0VAC @ 0.5A	11.99	10.20	9.13
553-FP30-200	6.0	30.0VAC CT @ 0.2A	15.0VAC @ 0.4A	11.99	10.20	9.13
553-FP40-150	6.0	40.0VAC CT @ 0.15A	20.0VAC @ 0.3A	11.99	10.20	9.13
553-FP230-25	6.0	230.0VAC CT @ 0.025A	115.0VAC @ 0.05A	11.99	10.20	9.13
553-FP12-950	12.0	12.6VAC CT @ 0.95A	6.3VAC @ 1.9A	13.99	11.90	10.64
553-FP16-750	12.0	16.0VAC CT @ 0.75A	8.0VAC @ 1.5A	13.99	11.90	10.64
553-FP20-600	12.0	20.0VAC CT @ 0.6A	10.0VAC @ 1.2A	13.99	11.90	10.64
553-FP24-500	12.0	24.0VAC CT @ 0.5A	12.0VAC @ 1.0A	13.99	11.90	10.64
553-FP30-400	12.0	30.0VAC CT @ 0.4A	15.0VAC @ 0.8A	13.99	11.90	10.64
553-FP34-340	12.0	34.0VAC CT @ 0.34A	17.0VAC @ 0.68A	13.99	11.90	10.64
553-FP40-300	12.0	40.0VAC CT @ 0.3A	20.0VAC @ 0.6A	13.99	11.90	10.64

TRIAD Transformers and Autotransformers

TRIAD PC MOUNT - WORLD SERIES™

Specifications:
- Primary: 115/230V, 50/60Hz
- VA ranges: 2.5 to 56.0
- Hi-pot tested @ 4,000VRMS

VA	Dimensions (In.)							Mounting		
	H	W	D	A	B	C	Pin	ML	MD	MW
2.5	1.1250	1.625	1.3125	.200	.250	1.000	.025 sq.	1.0625	- - - -	- - - -
5.0	1.3750	1.625	1.3125	.200	.400	1.000	.025 sq.	1.0625	- - - -	- - - -
10.0	1.3750	1.875	1.5625	.200	.400	1.140	.036 sq.	1.2500	- - - -	- - - -
20.0	1.6250	2.250	1.8750	.400	.400	1.460	.036 sq.	1.5000	- - - -	- - - -
30.0	1.5625	2.625	2.1875	.550	.275	1.680	.045 sq.	- - - -	1.750	2.1875
56.0	1.8125	3.000	2.5000	.600	.300	1.900	.045 sq.	- - - -	2.000	2.5000



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VA	Secondary		Price Each		
		Series	Parallel	1	10	25
553-VPP10250	2.5	10.0VAC CT @ 0.25A	5.0VAC @ 0.5A	**9.62**	**8.18**	**7.31**
553-VPP10500	5.0	10.0VAC CT @ 0.5A	5.0VAC @ 1.0A	**10.36**	**8.81**	**7.87**
553-VPP105600	56.0	10.0VAC CT @ 5.6A	5.0VAC @ 11.2A	**19.84**	**16.86**	**15.08**
553-VPP12400	5.0	12.6VAC CT @ 0.4A	6.3VAC @ 0.8A	**10.36**	**8.81**	**7.87**
553-VPP12800	10.0	12.6VAC CT @ 0.8A	6.3VAC @ 1.6A	**11.60**	**9.86**	**8.82**
553-VPP121600	20.0	12.6VAC CT @ 1.6A	6.3VAC @ 3.2A	**14.11**	**12.00**	**10.72**
553-VPP122400	30.0	12.6VAC CT @ 2.4A	6.3VAC @ 4.8A	**16.22**	**13.79**	**12.33**
553-VPP124400	56.0	12.6VAC CT @ 4.4A	6.3VAC @ 8.8A	**19.84**	**16.86**	**15.08**
553-VPP16310	5.0	16.0VAC CT @ 0.31A	8.0VAC @ 0.62A	**10.36**	**8.81**	**7.87**
553-VPP16620	10.0	16.0VAC CT @ 0.62A	8.0VAC @ 1.25A	**11.60**	**9.86**	**8.82**
553-VPP161250	20.0	16.0VAC CT @ 1.25A	8.0VAC @ 2.5A	**14.11**	**12.00**	**10.72**
553-VPP161900	30.0	16.0VAC CT @ 1.9A	8.0VAC @ 3.8A	**16.22**	**13.79**	**12.33**
553-VPP163500	56.0	16.0VAC CT @ 3.5A	8.0VAC @ 7.0A	**19.84**	**16.86**	**15.08**
553-VPP20120	2.5	20.0VAC CT @ 0.12A	10.0VAC @ 0.24A	**9.62**	**8.18**	**7.31**
553-VPP20250	5.0	20.0VAC CT @ 0.25A	10.0VAC @ 0.5A	**10.36**	**8.81**	**7.87**
553-VPP201000	20.0	20.0VAC CT @ 1.0A	10.0VAC @ 2.0A	**14.11**	**12.00**	**10.72**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	VA	Secondary		Price Each		
		Series	Parallel	1	10	25
553-VPP202800	56.0	20.0VAC CT @ 2.8A	10.0VAC @ 5.6A	**19.84**	**16.86**	**15.08**
553-VPP24100	2.5	24.0VAC CT @ 0.1A	12.0VAC @ 0.2A	**9.62**	**8.18**	**7.31**
553-VPP24420	10.0	24.0VAC CT @ 0.42A	12.0VAC @ 0.84A	**11.60**	**9.86**	**8.82**
553-VPP24830	20.0	24.0VAC CT @ 0.83A	12.0VAC @ 1.66A	**14.11**	**12.00**	**10.72**
553-VPP241250	30.0	24.0VAC CT @ 1.25A	12.0VAC @ 2.50A	**16.22**	**13.79**	**12.33**
553-VPP242330	56.0	24.0VAC CT @ 2.33A	12.0VAC @ 4.66A	**19.84**	**16.86**	**15.08**
553-VPP28180	5.0	28.0VAC CT @ 0.18A	14.0VAC @ 0.36A	**10.36**	**8.81**	**7.87**
553-VPP28720	20.0	28.0VAC CT @ 0.72A	14.0VAC @ 1.44A	**14.11**	**12.00**	**10.72**
553-VPP281060	30.0	28.0VAC CT @ 1.06A	14.0VAC @ 2.12A	**16.22**	**13.79**	**12.33**
553-VPP282000	56.0	28.0VAC CT @ 2.0A	14.0VAC @ 4.0A	**19.84**	**16.86**	**15.08**
553-VPP36070	2.5	36.0VAC CT @ 0.07A	18.0VAC @ 0.14A	**9.62**	**8.18**	**7.31**
553-VPP36280	10.0	36.0VAC CT @ 0.28A	18.0VAC @ 0.56A	**11.60**	**9.86**	**8.82**
553-VPP36560	20.0	36.0VAC CT @ 0.56A	18.0VAC @ 1.12A	**14.11**	**12.00**	**10.72**
553-VPP36820	30.0	36.0VAC CT @ 0.82A	18.0VAC @ 1.64A	**16.22**	**13.79**	**12.33**
553-VPP361560	56.0	36.0VAC CT @ 1.56A	18.0VAC @ 3.12A	**19.84**	**16.86**	**15.08**

TRIAD CHASSIS MOUNT - WORLD SERIES™

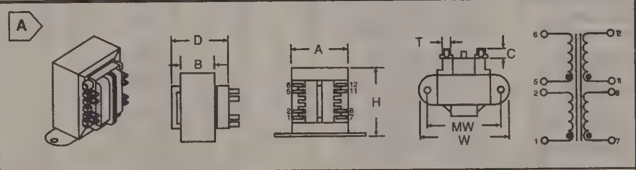
Specifications:
- Quick connect terminals
- Hi-pot tested @ 4,000VRMS
- Primary: 115/230V, 50/60Hz

For quantities greater than listed, call for quote.

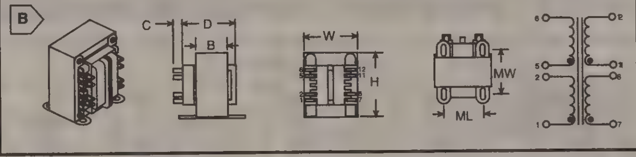
MOUSER STOCK NO.	Fig.	VA	Secondary		Price Each		
			Series	Parallel	1	10	25
553-VPS122000	A	25	12.6VAC CT @ 2.0A	6.3VAC @ 4.0A	**15.40**	**13.09**	**11.70**
553-VPS123400	A	43	12.6VAC CT @ 3.4A	6.3VAC @ 6.8A	**19.64**	**16.69**	**14.93**
553-VPS126300	B	80	12.6VAC CT @ 6.3A	6.3VAC @ 12.6A	**26.84**	**22.81**	**20.40**
553-VPS161600	A	25	16.0VAC CT @ 1.6A	8.0VAC @ 3.2A	**15.40**	**13.09**	**11.70**
553-VPS162700	A	43	16.0VAC CT @ 2.7A	8.0VAC @ 5.4A	**19.64**	**16.69**	**14.93**
553-VPS165000	B	80	16.0VAC CT @ 5.0A	8.0VAC @ 10.0A	**26.84**	**22.81**	**20.40**
553-VPS204000	B	80	20.0VAC CT @ 4.0A	10.0VAC @ 8.0A	**26.84**	**22.81**	**20.40**
553-VPS241000	A	25	24.0VAC CT @ 1.0A	12.0VAC @ 2.0A	**15.40**	**13.09**	**11.70**
553-VPS241800	A	43	24.0VAC CT @ 1.8A	12.0VAC @ 3.6A	**19.64**	**16.69**	**14.93**
553-VPS243300	B	80	24.0VAC CT @ 3.3A	12.0VAC @ 6.6A	**26.84**	**22.81**	**20.40**
553-VPS245400	B	130	24.0VAC CT @ 5.4A	12.0VAC @ 10.8A	**35.98**	**30.38**	**27.18**
553-VPS247300	B	175	24.0VAC CT @ 7.3A	12.0VAC @14.6A	**40.80**	**34.70**	**31.21**
553-VPS36700	A	25	36.0VAC CT @ 0.7A	18.0VAC @ 1.4A	**15.40**	**13.09**	**11.70**
553-VPS361200	A	43	36.0VAC CT @ 1.2A	18.0VAC @ 2.4A	**19.64**	**16.69**	**14.93**
553-VPS362200	B	80	36.0VAC CT @ 2.2A	18.0VAC @ 4.4A	**26.84**	**22.81**	**20.40**
553-VPS230110	A	25	230.0VAC CT @ 0.11A	115.0VAC @ 0.22A	**15.40**	**13.09**	**11.70**
553-VPS230190	A	43	230.0VAC CT @ 0.19A	115.0VAC @ 0.38A	**19.64**	**16.69**	**14.93**
553-VPS230350	B	80	230.0VAC CT @ 0.35A	115.0VAC @ 0.7A	**26.84**	**22.81**	**20.40**

VA	Dimensions (In.)							Mounting	
	H	W	D	A	B	C	T	MW	ML
25	2.3125	2.8125	1.93750	2.0000	1.125	.3125	.1875	2.3750	- - - -
43	2.6875	3.1250	2.00000	2.3125	1.125	.3125	.1875	2.8125	- - - -
80	3.0000	2.5000	2.31250	- - - -	1.375	.3125	.1875	2.0000	2.250
175	3.7500	3.1250	2.81251	- - - -	1.625	.3750	.2500	2.5000	2.500

A



B



TRIAD ISOLATION POWER TRANSFORMERS

For isolating equipment from direct connection to the power line. The primary and secondary are nonconcentric precision wound on separate arbors, assembled on a laminate core side by side separated by insulation. This prevents electrical connection, under normal or overload conditions, between the primary and secondary windings.

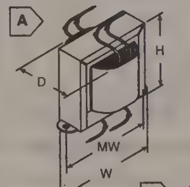
Specifications:
- Secondary voltage: ±5%
- Leakage current from primary to secondary is rated at less than 50μA and is typically measured at less than 10μA
- Hi-pot tested at 1500V
- Units with "M" suffix have 2-wire 6' cord, plug and socket.
- Line cord, plug and receptacle are UL listed and verified to meet federal specifications

§ Split Winding ∗ w/ Ground Wire † UL 544

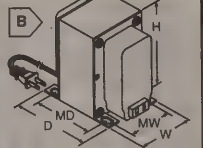
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	VA	Primary Voltage	Secondary Ratings		Mounting Hole Size (In.)	Dimensions (In.)					Price Each		
				Volts	Amps		H	W	D	MW	MD	1	10	25
553-N48X	A	15	115	115	0.130	0.188	1.9380	3.3130	2.000	2.813	- - -	**15.51**	**14.47**	**13.55**
553-N51X	A	35	115	115	0.300	0.188	2.2810	3.6880	2.125	3.125	- - -	**12.00**	**11.20**	**10.50**
§ 553-N68X	A	50	115/230	115	0.435	0.188	2.2810	3.6880	2.125	3.125	- - -	**11.20**	**10.45**	**9.78**
∗ 553-N54MG	B	150	115	115	1.300	0.375 x 0.188	3.8750	3.2810	4.250	2.500	3.000	**71.95**	**67.07**	**62.80**
§ 553-N67A	C	150	115/230	115	1.300	0.375 x 0.188	3.8750	3.2810	3.875	2.500	3.000	**46.98**	**43.80**	**41.00**
§ 553-N66A	C	250	115/230	115	2.170	0.375 x 0.188	4.6250	3.9380	4.625	3.000	3.625	**62.20**	**57.99**	**54.25**
553-N77U	D	100	115/230	115	0.860	0.203 x 0.375	3.4375	2.8125	3.000	2.250	2.500	**25.31**	**23.59**	**22.10**
Medical Applications														
† 553-N90MD	B	250	115	115	2.17	0.375 x 0.188	4.625	3.875	6.125	3.0	4.938	**210.38**	**188.24**	**174.95**
† 553-N92MD	B	500	115	115	4.35	0.656 X 0.28	5.344	4.500	7.000	3.5	5.375	**256.19**	**229.25**	**213.05**

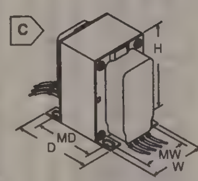
A



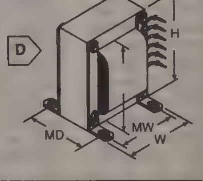
B



C



D



TRIAD STEP-UP / STEP-DOWN AUTOTRANSFORMERS

Single winding transformers in which the primary coil is a fraction of the entire winding for voltage step-up or the secondary coil is a fraction of the entire winding for voltage step-down.

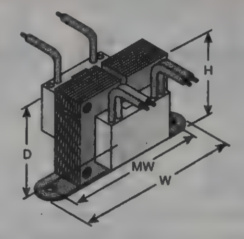
∗ w/ Ground Wire

Specifications:
- 50/60Hz line frequency
- Hi-pot tested at 1,500 VRMS
- Secondary voltage: ±5
- Units with "M" suffix have 2-wire 6' cord, plug and socket
- Units with "MG" suffix have 3-wire 6' cord, plug and socket

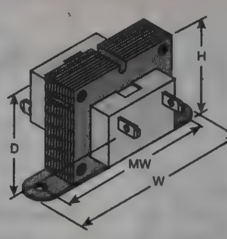
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	VA	Primary Voltage	Secondary Ratings		Mounting Hole Size (In.)	Dimensions (In.)					Price Each		
				Volts	Amps		H	W	D	MW	MD	1	10	25
553-N1X	A	50	230	115	0.435	0.188	2.281	3.688	2.000	3.125	- - -	**13.48**	**12.55**	**11.75**
553-N2X	A	100	230	115	0.870	0.188	2.625	4.000	2.063	3.625	- - -	**15.22**	**14.19**	**13.28**
553-N4MG	B	150	230	115	1.300	0.375 x 0.188	3.594	2.969	4.250	2.250	2.875	**72.94**	**69.10**	**64.50**
553-N6U	D	200	230	115	1.700	0.203 x 0.375	3.375	2.813	2.813	2.250	2.250	**28.10**	**26.19**	**24.53**
∗553-N5MG	B	250	230	115	2.170	0.375 x 0.188	3.875	3.281	4.813	2.500	3.500	**115.76**	**107.90**	**101.03**
553-N7MG	B	600	230	115	5.220	0.375 x 0.188	4.625	3.938	5.000	3.000	3.875	**122.99**	**114.64**	**107.41**
553-N9MG	B	1250	230	115	10.850	0.656 x 0.28	5.313	4.500	6.000	3.500	4.500	**159.62**	**143.66**	**134.08**
553-N150MG	B	150	115	230	0.650	0.375 x 0.188	3.594	2.969	3.313	2.250	2.125	**100.00**	**90.00**	**84.00**
553-N250MG	B	250	115	230	1.100	0.375 x 0.188	3.875	3.250	3.688	2.250	2.438	**101.49**	**94.60**	**88.60**
553-N1000MG	B	1000	115	230	4.350	0.5 x 0.25	5.375	4.500	5.500	3.500	4.125	**186.90**	**174.22**	**163.17**

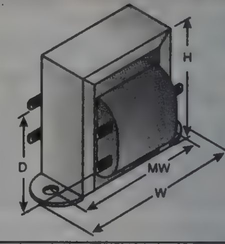
A



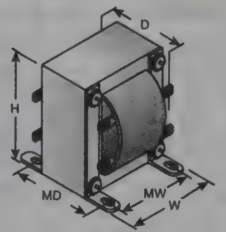
B



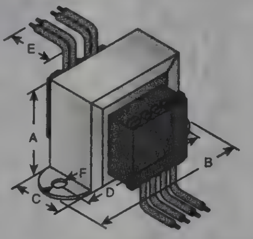
C



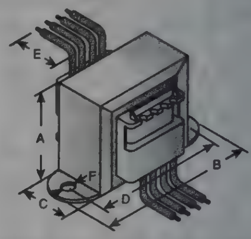
D



E



F



TRIAD CONTROL TRANSFORMERS

Triad control transformers come with tamper resistant shrouds for safety and a steel bracket welded to the bottom of the transformer for ease of mounting.

- No secondary fusing is required
- Class 2 UL approval, file # E65390

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Triad Part No.	Fig.	Power (VA)	Primary Voltage	Secondary		Connections	Dimensions: in.				Price Each			
					Volts	Amps		H	W	D	MW	1	10	25	50
553-01E07K	TCT40-01E07K	A	40	120	24	1.67	Leads	2.22	3.64	2.25	3.13	7.95	7.77	7.47	6.93
553-01E07AB	TCT40-01E07AB	B	40	120	24	1.67	Lugs	2.22	3.64	2.25	3.18	7.95	7.77	7.47	6.93
553-02E07K	TCT40-02E07K	A	40	240	24	1.67	Leads	2.22	3.64	2.25	3.13	7.95	7.77	7.47	6.93
553-02E07AB	TCT40-02E07AB	B	40	240	24	1.67	Lugs	2.22	3.64	2.25	3.18	7.95	7.77	7.47	6.93
553-05E07K	TCT40-05E07K	A	40	120/208/240	24	1.67	Leads	2.22	3.64	2.25	3.13	8.32	8.13	7.82	7.25
553-05E07AB	TCT40-05E07AB	B	40	120/208/240	24	1.67	Lugs	2.22	3.64	2.25	3.18	8.32	8.13	7.82	7.25
553-06E07K	TCT40-06E07K	A	40	120/240	24	1.67	Leads	2.22	3.64	2.25	3.13	8.08	7.90	7.59	7.04
553-06E07AB	TCT40-06E07AB	B	40	120/240	24	1.67	Lugs	2.22	3.64	2.25	3.18	8.08	7.90	7.59	7.04
553-09E07K	TCT40-09E07K	A	40	208/240	24	1.67	Leads	2.22	3.64	2.25	3.13	8.08	7.90	7.59	7.04
553-09E07AB	TCT40-09E07AB	B	40	208/240	24	1.67	Lugs	2.22	3.64	2.25	3.18	8.08	7.90	7.59	7.04

TRIAD CHASSIS MOUNT - CONTROL TRANSFORMERS

Triad control transformers supply voltages that are commonly utilized in various electronic, electro-magnetic and electrical control conditions

- Primary: 115/230VAC 50/60Hz
- Hi-pot tested at 1500 VRMS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Triad Part No.	Fig.	Power (VA)	Secondary		Connections	Dimensions: in.					Price Each			
				Series	Parallel		H	W	D	MW	MD	1	10	25	50
553-F105Z	F-105Z	C	12	12.0V CT @ 1.0A	6.0V @ 2.0A	Lugs	2.38	2.88	1.75	2.38	---	17.71	16.80	15.45	14.30
553-F106Z	F-106Z	C	24	12.0V CT @ 2.0A	6.0V @ 4.0A	Lugs	2.75	3.13	2.00	2.81	---	18.00	16.50	14.85	13.00
553-F107Z	F-107Z	C	48	24.0V CT @ 2.0A	12.0V @ 4.0A	Lugs	3.13	3.63	2.75	3.13	---	15.50	14.00	13.10	12.00
553-F213Z	F-213Z	C	48	48.0V CT @ 1.0A	24.0V @ 2.0A	Lugs	3.13	3.63	2.75	3.13	---	21.00	18.28	16.44	14.60
553-F108U	F-108U	D	96	24.0V CT @ 4.0A	12.0V @ 8.0A	Lugs	3.41	2.81	3.19	2.25	2.25	27.90	26.10	23.67	21.87
553-F214U	F-214U	D	96	48.0V CT @ 2.0A	24.0V @ 4.0A	Lugs	3.41	2.81	3.19	2.25	2.63	28.00	26.00	23.04	21.66
553-F-400U	F-400U	D	144	48.0V CT @ 3.0A	24.0V @ 6.0A	Lugs	4.75	3.13	3.50	2.50	2.88	38.50	34.00	30.89	28.22
553-F109U	F-109U	D	192	24.0V CT @ 8.0A	12.0V @ 16.0A	Lugs	4.19	3.44	3.56	2.75	3.00	51.20	48.00	44.60	39.97
553-F215U	F-215U	D	192	48.0V CT @ 4.0A	24.0V @ 8.0A	Lugs	4.19	3.44	3.88	2.78	3.00	45.00	41.20	36.92	35.20

TRIAD CHASSIS MOUNT - INTERNATIONAL SERIES

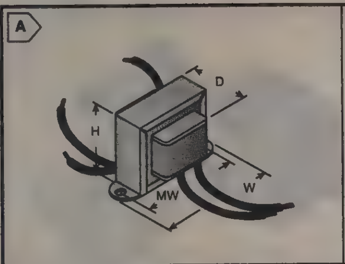
NEW FROM SUPPLIER

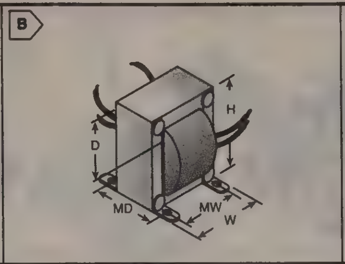
- 115/230V, 50/60Hz
- Class B (130°C) insulation
- 3500VAC isolation

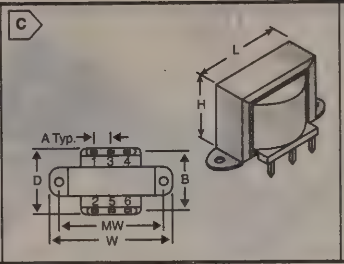
RoHS Compliant

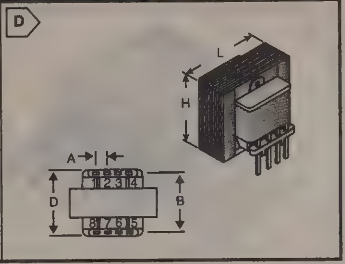
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Triad Part No.	Fig.	Power (VA)	Output Voltage		Dimensions: in.						Price Each			
				Series	Parallel	A	B	C	D	E	F	1	10	25	50
553-VPL10-500	VPL10-500	E	5	10.0V CT @ 0.50A	5.0V @ 1.0A	1.437	2.375	1.437	2.000	8.000	0.187	9.85	9.11	8.52	7.88
553-VPL10-1000	VPL10-1000	F	10	10.0V CT @ 1.0A	5.0V @ 2.0A	1.750	2.812	1.750	2.375	8.000	0.187	11.30	10.45	9.77	9.04
553-VPL12-400	VPL12-400	E	5	12.6V CT @ 0.39A	6.3V @ 0.78A	1.437	2.375	1.437	2.000	8.000	0.187	9.85	9.11	8.52	7.88
553-VPL12-800	VPL12-800	F	10	12.6V CT @ 0.79A	6.3V CT @ 1.59A	1.750	2.812	1.750	2.375	8.000	0.187	11.30	10.45	9.77	9.04
553-VPL14-360	VPL14-360	E	5	14.0V CT @ 0.36A	7.0V @ 0.72A	1.437	2.375	1.437	2.000	8.000	0.187	9.85	9.11	8.52	7.88
553-VPL16-300	VPL16-300	E	5	16.0V CT @ 0.31A	12.0V @ 0.62A	1.437	2.375	1.437	2.000	8.000	0.187	9.85	9.11	8.52	7.88
553-VPL16-600	VPL16-600	F	10	16.0V CT @ 0.63A	8.0V @ 1.26A	1.750	2.812	1.750	2.375	8.000	0.187	11.30	10.45	9.77	9.04
553-VPL20-250	VPL20-250	E	5	20.0V CT @ 0.25A	10.0V @ 0.50A	1.437	2.375	1.437	2.000	8.000	0.187	9.85	9.11	8.52	7.88
553-VPL20-500	VPL20-500	F	10	20.0V CT @ 0.50A	10.0V @ 1.0A	1.750	2.812	1.750	2.375	8.000	0.187	11.30	10.45	9.77	9.04
553-VPL20-1200	VPL20-1200	E	25	20.0V CT @ 1.25A	10.0V @ 2.50A	1.937	3.250	3.125	2.812	8.000	0.187	15.46	14.30	13.37	12.37
553-VPL24-210	VPL24-210	E	5	24.0V CT @ 0.21A	12.0V @ 0.42A	1.437	2.375	1.437	2.000	8.000	0.187	9.85	9.11	8.52	7.88
553-VPL24-400	VPL24-400	F	10	24.0V CT @ 0.41A	12.0V @ 0.82A	1.750	2.812	1.750	2.375	8.000	0.187	11.30	10.45	9.77	9.04
553-VPL24-1100	VPL24-1100	E	25	24.0V CT @ 1.04A	12.0V @ 2.08A	1.937	3.250	3.125	2.812	8.000	0.187	15.46	14.30	13.37	12.37
553-VPL25-1000	VPL25-1000	E	25	25.2V CT @ 0.99A	12.6V @ 1.98A	1.937	3.250	3.125	2.812	8.000	0.187	15.46	14.30	13.37	12.37
553-VPL25-1900	VPL25-1900	E	50	25.2V @ 1.984A	---	2.562	4.000	2.250	3.562	8.000	0.187	24.96	23.09	21.59	19.97
553-VPL28-180	VPL28-180	E	5	28.0V CT @ 0.18A	14.0V @ 0.36A	1.437	2.375	1.437	2.000	8.000	0.187	9.85	9.11	8.52	7.88
553-VPL28-350	VPL28-350	F	10	28.0V CT @ 0.35A	14.0V @ 0.7A	1.750	2.812	1.750	2.375	8.000	0.187	11.30	10.45	9.77	9.04
553-VPL28-900	VPL28-900	E	25	28.0V CT @ 0.89A	14.0V @ 1.79A	1.937	3.250	3.125	2.812	8.000	0.187	15.46	14.30	13.37	12.37
553-VPL28-1700	VPL28-1700	E	50	28.0V CT @ 1.786A	14.0V @ 3.572A	2.562	4.000	2.250	3.562	8.000	0.187	24.96	23.09	21.59	19.97
553-VPL36-140	VPL36-140	E	5	36.0V CT @ 0.14A	18.0V @ 0.28A	1.437	2.375	1.437	2.000	8.000	0.187	9.85	9.11	8.52	7.88
553-VPL36-300	VPL36-300	F	10	36.0V CT @ 0.28A	18.0V @ 0.56A	1.750	2.812	1.750	2.375	8.000	0.187	11.30	10.45	9.77	9.04
553-VPL36-700	VPL36-700	E	25	36.0V CT @ 0.70A	18.0V @ 1.40A	1.937	3.250	3.125	2.812	8.000	0.187	15.46	14.30	13.37	12.37
553-VPL36-1400	VPL36-1400	E	50	36.0V CT @ 1.389A	18.0V @ 2.778A	2.562	4.000	2.250	3.562	8.000	0.187	24.96	23.09	21.59	19.97









TRIAD POWER TRANSFORMERS

DIMENSIONS: In.

Use these power supply transformers for direct use or in transformer, rectifier, and filter circuits. They are single primary with single or double and multiple secondaries in standard size and weight configurations.

Single Secondary

- Primary: 115/230VAC 50/60Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Primary VAC	Secondary Ratings		Connections	Mounting Hole Size (In.)	Dimensions (In.)					Price Each			
			VAC	Amps			H	W	D	MW	MD	1	10	25	50
553-F18X	A	115	6.3 CT	6.0	Leads	0.188	2.594	4.000	2.250	3.563	- - -	17.13	14.53	12.85	10.93
553-F113X	A	115	12.0	0.15	Leads	0.188	1.375	2.375	1.375	2.000	- - -	8.36	7.11	6.39	5.68
553-F114X	A	115	12.0	0.7	Leads	0.188	1.625	2.813	1.625	2.375	- - -	9.07	7.71	6.89	6.12
553-F44X	A	115	12.6 CT	2.0	Leads	0.188	1.938	3.313	2.000	2.813	- - -	13.80	11.71	10.36	9.32
553-F225X	A	115	12.6	4.0	Leads	0.188	2.625	4.000	2.063	3.563	- - -	16.60	14.94	13.94	12.87
553-F112X	A	115	14.0 CT	0.25	Leads	0.188	1.375	2.375	1.375	2.000	- - -	10.40	8.84	7.84	7.02
553-F253U	B	115	14.0 CT	6.0	Leads	0.203 x 0.375	3.375	2.813	2.875	2.250	2.375	34.73	29.52	26.39	21.88
553-F115X	A	115	24.0 CT	0.085	Leads	0.188	1.188	2.063	1.375	1.750	- - -	9.67	8.20	7.26	6.09
553-F192X	A	115	24.0 CT	2.0	Leads	0.188	2.594	4.000	2.250	3.563	- - -	17.20	14.57	12.89	10.84
553-F193U	B	115	24.0 CT	4.0	Leads	0.203 x 0.375	3.813	3.125	2.813	2.500	2.125	28.96	24.56	21.74	18.24
553-F260U	B	115	24.0 CT	6.0	Leads	0.203 x 0.375	3.750	3.125	3.500	2.500	2.875	39.64	33.69	30.13	24.98
553-F401U	B	115	24.0 CT	10.0	Leads	0.203 x 0.375	4.125	3.438	3.750	2.750	3.000	43.11	36.64	32.76	27.16
553-F56X	A	115	25.2 CT	2.8	Leads	0.188	2.656	4.000	2.250	3.563	- - -	18.78	15.94	14.10	11.83

PC Mount Single Primary 115 VAC, 50/60Hz, Dual Secondaries

RoHS Compliant

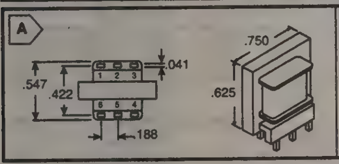
For quantities of 100 and up, call for quote.

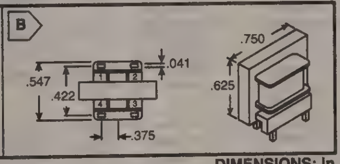
MOUSER STOCK NO.	Fig.	Power VA	Secondary Ratings		Dimensions (In.)							Price Each			
			Series	Parallel	H	W	D	L	A	B	MW	1	10	25	50
553-F142XP	C	4.5	15.0V CT @ 0.3A	7.5VAC @ 0.6A	1.438	2.375	1.25	1.703	0.406	1.094	2.000	9.69	9.00	8.36	7.53
553-F144XP	C	4.5	54.0V CT @ 0.084A	27.0VAC @ 0.168A	- - -	- - -	1.25	1.703	0.406	1.094	2.000	11.94	11.09	10.30	9.27

PC Mount Dual Primary 115/230 VAC, 50/60Hz, Dual Secondaries

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Power VA	Secondary Ratings		Dimensions (In.)							Price Each			
			Series	Parallel	H	W	D	L	A	B	MW	1	10	25	50
553-F3132P	D	1.5	15.0V CT @ 0.1A	7.5VAC @ 0.2A	1.188	- - -	1.125	1.375	0.203	1.000	- - -	7.40	6.29	5.62	4.66
553-F333P	D	1.5	30.0V CT @ 0.05A	15.0VAC @ 0.1A	1.188	- - -	1.125	1.375	0.203	1.000	- - -	8.62	7.33	6.55	5.82
553-F372P	D	24	16.0V CT @ 1.5A	8.0VAC @ 3.0A	1.375	- - -	2.250	1.625	0.250	2.109	- - -	11.11	9.44	8.44	7.00





DIMENSIONS: In.

TRIAD TY SERIES TELEPHONE COUPLING TRANSFORMERS

Specifications:

- Complies with FCC rules part 68
- Power level: -45dBm to +7dBm
- Frequency response: 300-3500Hz ± 0.5dB

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance		Application	Price Each			
		Pri (Ω)	Sec (Ω)		1	10	25	50
553-TY300P	A	600	600/600	Hybrid *	5.56	4.73	4.23	3.78
553-TY303P	B	4K	600	Bridging *	5.56	4.73	4.23	3.78
553-TY304P	A	600 CT	600 CT	Coupling	5.56	4.73	4.23	3.78

* 2 units required for hybrid operation

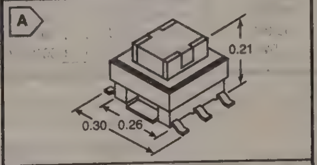
TRIAD CURRENT SENSE TRANSFORMER

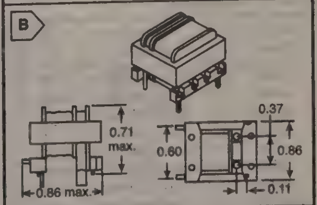
The **CSE5 Series** is designed to monitor current at 250kHz and above. These transformers have primary current rating of 10 Amps.

The **CSE Series** is designed to monitor current in low frequency applications. May be used to monitor current from .1 to 30 ampheres at frequencies from 50Hz to 400Hz.

RoHS Compliant

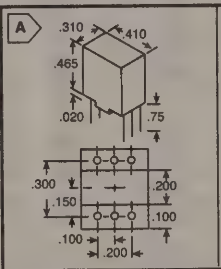
DIMENSIONS: In.

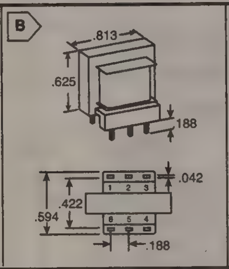


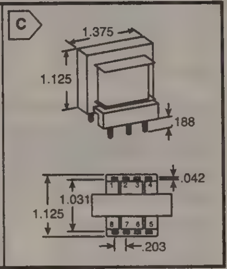


For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Each	
		1	10
553-CSE5-100201	A	2.89	2.60
553-CSE5-100301	A	2.89	2.60
553-CSE5-100401	A	2.89	2.60
553-CSE5-100501	A	2.89	2.60
553-CSE5-100601	A	2.89	2.60
553-CSE5-100701	A	2.89	2.60
553-CSE5-101001	A	2.89	2.60
553-CSE5-101251	A	2.89	2.60
553-CSE187L	B	2.89	2.47







TRIAD MINIATURE AUDIO TRANSFORMERS

DIMENSIONS: In.

Red Spec High-Reliability Audio Transformers

- Impedance matching: 10% over frequency range
- Hi-pot tested at 1000 VRMS
- Meets MIL-T-27E
- Working voltage: 150VDC
- MIL Type: TF5S21ZZ (transformers); TF5S20ZZ (chokes)
- Frequency response: 300Hz-50kHz

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Impedance		DC Resist. (Ω)		Pwr (mW)	Price Each		
		Pri. (Ω)	Sec. (Ω)	Pri.	Sec.		1	10	25
553-SP4	A	200K CT	1K CT	5300	100	10	21.29	17.99	16.18
553-SP21	A	10K CT	2K CT	1050	330	50	21.21	17.99	16.12
553-SP67	A	600CT	600CT	72	92	50	15.94	14.25	12.57
553-SP70	A	600	600	72	92	50	17.48	14.86	13.28
Shield									
553-SP310	-	- - -	- - -	- - -	- - -	- - -	3.40	2.89	2.57

TY Series Plug-in PC Audio Transformers

- Impedance matching: 10% over frequency range
- Frequency response: 200-15kHz

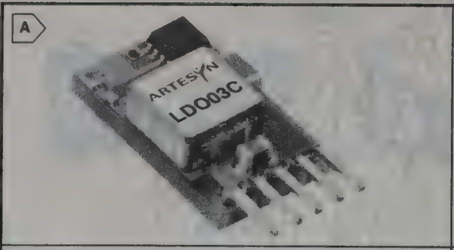
For quantities of 50 and up, call for quote.

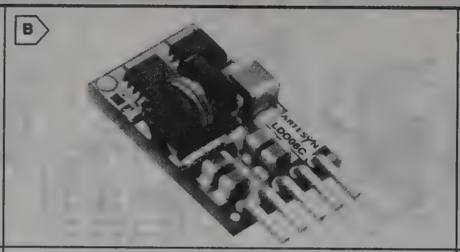
MOUSER STOCK NO.	Fig.	Impedance		Pri. Cur. (mA)	Power	Price Each		
		Primary (Ω)	Sec. (Ω)			1	10	25
553-TY141P	B	10K CT	10K CT	4	100mW	3.89	3.31	2.96
553-TY142P	B	10K CT	2K CT	4	100mW	3.89	3.31	2.96
553-TY144P	B	15K CT	15K CT	4	100mW	3.89	3.31	2.96
553-TY145P	B	600 CT	600 CT	15	100mW	3.89	3.31	2.96
553-TY146P	C	600 CT/150§	600 CT/150§	- - -	1W	7.22	6.14	5.49

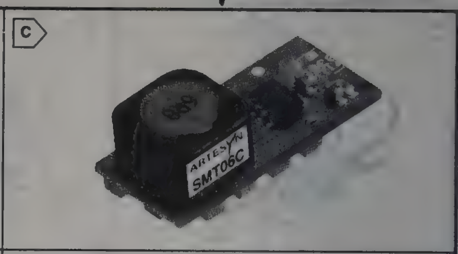
§ = Split winding

ARTESYN DC-DC Converters

ARTESYN TECHNOLOGIES EMERSON. Network Power

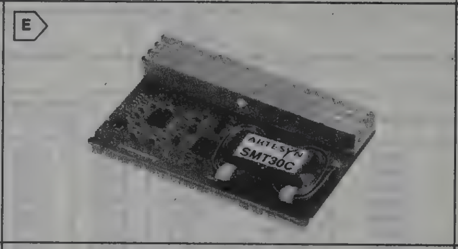
A


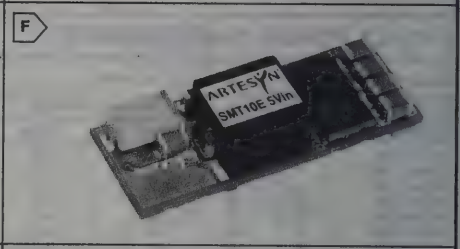
B


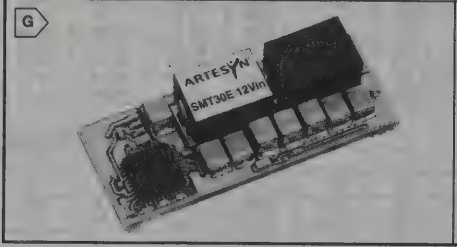
C


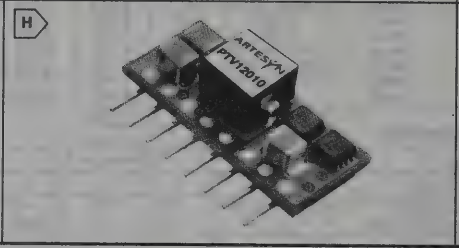
D

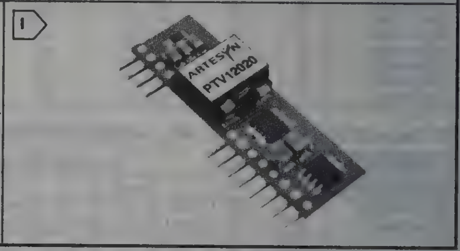
ARTESYN
SMT15C

E


F


G


H


I


NON-ISOLATED POINT OF LOAD DC-DC CONVERTERS

Artesyn produces a high density, open frame, non-isolated converter for space sensitive applications with a wide input range. Choose C class for economy or E class when performance is key.

RoHS Compliant

LDO C Class Series (15-50W)

Other mounting styles available. Contact a Mouser Service Representative.

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions (In.)			Price Each			
							L	W	H	1	10	25	50
826-LDO03C-005W05-VJ	LDO03C-005W05-VJ	A	0.59-5.1V	3A	15W	3-13.8VDC	0.370	0.212	0.610	8.90	8.14	7.43	6.72
826-LDO06C-005W05-VJ	LDO06C-005W05-VJ	B	0.59-5.1V	6A	30W	3-13.8VDC	0.410	0.371	0.650	12.20	11.16	10.19	9.21
826-LDO10C-005W05-VJ	LDO10C-005W05-VJ	B	0.59-5.1V	10A	50W	3-13.8VDC	0.410	0.450	0.650	16.20	14.82	13.53	12.23

SMT C Class Series (20-200W)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions (In.)			Price Each			
							L	W	H	1	10	25	50
826-SMT06C-05SADJJ	SMT06C-05SADJJ	C	0.9-3.3V	6A	20W	4.5-5.5VDC	1.200	0.530	0.466	14.20	12.99	11.86	10.72
826-SMT06C-12SADJJ	SMT06C-12SADJJ	C	0.9-5.0V	6A	30W	10.2-13.8VDC	1.200	0.530	0.466	14.20	12.99	11.86	10.72
826-SMT15C-05SADJJ	SMT15C-05SADJJ	D	0.9-3.3V	15A	50W	4.5-5.5VDC	1.200	1.100	0.457	19.30	17.66	16.12	14.57
826-SMT15C-12SADJJ	SMT15C-12SADJJ	D	0.9-5.0V	15A	75W	10.2-13.8VDC	1.200	1.100	0.457	19.30	17.66	16.12	14.57
826-SMT20C-05SADJJ	SMT20C-05SADJJ	D	0.9-3.3V	20A	66W	4.5-5.5VDC	1.200	1.100	0.457	20.90	19.12	17.45	15.78
826-SMT20C-12SADJJ	SMT20C-12SADJJ	D	0.9-5.0V	20A	100W	10.2-13.8VDC	1.200	1.100	0.457	20.90	19.12	17.45	15.78
826-SMT30C-12SADJJ	SMT30C-12SADJJ	E	0.9-5.0V	30A	150W	10.2-13.8VDC	2.280	1.450	0.430	35.00	32.03	29.23	26.43
826-SMT40C-12SADJJ	SMT40C-12SADJJ	E	0.9-5.0V	40A	200W	10.2-13.8VDC	2.280	1.450	0.430	37.90	34.68	31.65	28.61

SMT E Class Series (13-99W)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions (In.)			Price Each			
							L	W	H	1	10	25	50
826-SMT10E-05S1V2J	SMT10E-05S1V2J	F	1.2V	10A	13.2W	3.0-5.5VDC	1.300	0.530	0.323	22.50	20.59	18.79	16.99
826-SMT10E-05S1V5J	SMT10E-05S1V5J	F	1.5V	10A	16.5W	3.0-5.5VDC	1.300	0.530	0.323	22.50	20.59	18.79	16.99
826-SMT10E-05S1V8J	SMT10E-05S1V8J	F	1.8V	10A	19.8W	3.0-5.5VDC	1.300	0.530	0.323	22.50	20.59	18.79	16.99
826-SMT10E-05S2V5J	SMT10E-05S2V5J	F	2.5V	10A	27.5W	3.0-5.5VDC	1.300	0.530	0.323	22.50	20.59	18.79	16.99
826-SMT10E-05S3V3J	SMT10E-05S3V3J	F	3.3V	10A	36.3W	4.5-5.5VDC	1.300	0.530	0.323	22.50	20.59	18.79	16.99
826-SMT10E-05W3V3J	SMT10E-05W3V3J	F	0.8-3.63V	10A	36.3W	3.0-5.5VDC	1.300	0.530	0.323	22.50	20.59	18.79	16.99
826-SMT30E-12W3V3J	SMT30E-12W3V3J	G	0.8-3.63V	30A	99W	8.0-14VDC	1.300	0.530	0.319	43.70	39.99	36.49	32.99

POLA NON-ISOLATED DC-DC CONVERTERS

Artesyn's POLA converters are pin-for-pin compatible with those produced by other members of the Point-of-Load Alliance. The PTV Series is a single output DC-DC converter with Auto-Track feature and a wide output voltage range.

RoHS Compliant

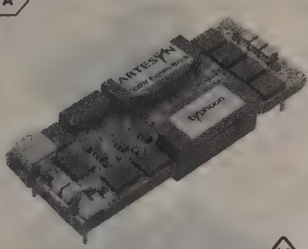
PTV series (20W-88W)

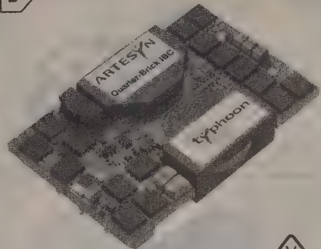
Other mounting styles available. Contact a Mouser Service Representative.

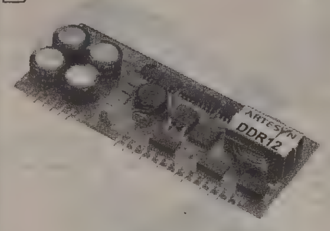
For quantities of 100 and up, call for quote.

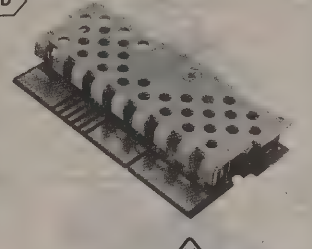
MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions (In.)			Price Each			
							L	W	H	1	10	25	50
826-PTV03010WAD	PTV03010WAD	H	0.8-2.5V	8A	20W	2.95-3.65VDC	0.90	0.33	0.40	13.10	11.99	10.94	9.89
826-PTV03020WAD	PTV03020WAD	I	0.8-2.5V	18A	45W	2.95-3.6VDC	1.75	0.37	0.50	22.00	20.13	18.37	16.61
826-PTV05010WAD	PTV05010WAD	H	0.8-3.6V	8A	28.8W	4.5-5.5VDC	0.90	0.33	0.40	13.10	11.99	10.94	9.89
826-PTV05020WAD	PTV05020WAD	I	0.8-3.6V	18A	64.8W	4.5-5.5VDC	1.75	0.37	0.50	22.00	20.13	18.37	16.61
826-PTV12010LAD	PTV12010LAD	H	0.8-1.8V	8A	15W	10.8-13.2VDC	0.90	0.33	0.40	13.10	11.99	10.94	9.89
826-PTV12010WAD	PTV12010WAD	H	1.2-5.5V	8A	44W	10.8-13.2VDC	0.90	0.33	0.40	13.10	11.99	10.94	9.89
826-PTV12020LAD	PTV12020LAD	I	0.8-1.8V	16A	28.8W	10.8-13.2VDC	1.75	0.37	0.50	22.00	20.13	18.37	16.61
826-PTV12020WAD	PTV12020WAD	I	1.2-5.5V	16A	88W	10.8-13.2VDC	1.75	0.37	0.50	22.00	20.13	18.37	16.61

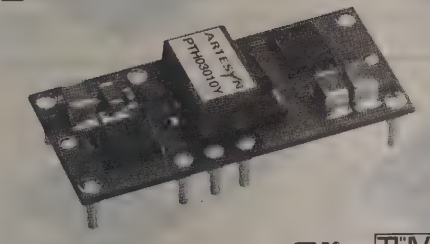
ARTESYN DC-DC Converters


A

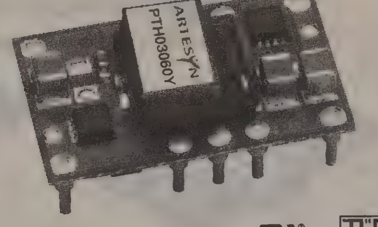

B


C


D


E

F


G

ISOLATED DC-DC CONVERTERS

The IBC series is a high power density, low profile Intermediate Bus Converters with elevated conversion efficiency, open-frame construction, and superior thermal performance. All models are fully protected against overcurrent, overvoltage, and overtemperature. A positive logic primary referenced remote ON/OFF input is included as standard with negative logic available as an option.

For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Regulation		Dimensions: in.			Price Each			
							Line %	Load %	L	W	H	1	50	100	200
Eighth-Brick Intermediate Bus Converters (200-300W)															
826-IBC17AEW4812-RAJ	IBC17AEW4812-RAJ	A	12V	17A	200W	36-75VDC	±1.0%	±1.5%	2.30	0.90	0.40	115.50	105.68	96.45	87.20
826-IBC17AEW4812-REJ	IBC17AEW4812-REJ	A	12V	17A	200W	36-75VDC	±1.0%	±1.5%	2.30	0.90	0.45	115.50	105.68	96.45	87.20
826-IBC20AES4812-RAJ	IBC20AES4812-RAJ	A	12V	20A	240W	42-53VDC	±0.3%	±1.5%	2.30	0.90	0.40	105.20	96.26	87.84	79.43
826-IBC20AES4812-RE	IBC20AES4812-RE	A	12V	20A	240W	42-53VDC	±0.3%	±1.5%	2.30	0.90	0.45	105.20	96.26	87.84	79.43
826-IBC25AET4812-RA	IBC25AET4812-RA	A	12V	25A	300W	42-53VDC	+10, -12.5%	±1.5%	2.30	0.90	0.40	98.90	90.49	82.85	74.68
826-IBC25AET4812-RE	IBC25AET4812-RE	A	12V	25A	300W	42-53VDC	+10, -12.5%	±1.5%	2.30	0.90	0.45	98.90	90.49	82.85	74.68
Quarter-Brick Intermediate Bus Converters (336-450W)															
826-IBC28AQW4812-RA	IBC28AQW4812-RA	B	12V	28A	336W	36-75VDC	±1.0%	±2.0%	2.30	1.45	0.40	151.90	138.99	126.84	114.68
826-IBC28AQW4812-REJ	IBC28AQW4812-REJ	B	12V	28A	336W	36-75VDC	±1.0%	±2.0%	2.30	1.45	0.45	136.70	125.08	114.49	103.21
826-IBC30AQS4812-RA	IBC30AQS4812-RA	B	12V	30A	360W	42-53VDC	±0.3%	±1.5%	2.30	1.45	0.40	137.90	126.18	115.15	104.11
826-IBC30AQS4812-RE	IBC30AQS4812-RE	B	12V	30A	360W	42-53VDC	±0.3%	±1.5%	2.30	1.45	0.45	137.90	126.18	115.15	104.11
826-IBC38AQT4812-RA	IBC38AQT4812-RA	B	12V	37.5A	450W	42-53VDC	+10, -12.5%	±1.5%	2.30	1.45	0.40	123.50	113.00	103.12	93.24
826-IBC38AQT4812-RE	IBC38AQT4812-RE	B	12V	37.5A	450W	42-53VDC	+10, -12.5%	±1.5%	2.30	1.45	0.45	123.50	113.00	103.12	93.24

NON-ISOLATED POINT OF LOAD DC-DC CONVERTERS

The dual output DDR12 is specially designed to meet the power needs of double data rate memory DIMMS and associated memory control logic. Remote sense on Vddq and remote ON/OFF facilities are included as standard, and the converter is protected against overcurrent and overvoltage conditions.

Dual Output Memory Power Point of Load DC-DC Converter

For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions: in.			Price Each			
							L	W	H	1	50	100	200
826-DDR12-25D08-A	DDR12-25D08-A	C	2.5V 1.25V	25A 8A	69W 11W	10.8-13.2VDC	3.00	0.50	1.20	36.81	33.67	30.74	27.79

The NXA66 is designed to meet the precise voltage and fast transient requirements of today's high performance applications. Employing synchronous rectification and democratic current sharing, the NXA66 can be used in a stand-alone configuration, or paralleled as a building block to achieve higher output currents or redundancy.

66W Memory Power Point of Load DC-DC Converter

For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions: in.			Price Each			
							L	W	H	1	50	100	200
826-NXA66-12P3V3C	NXA66-12P3V3C	D	3.3/2.5V	20A	66W	10.8-13.2VDC	2.75	0.59	1.38	56.51	51.70	47.19	42.66

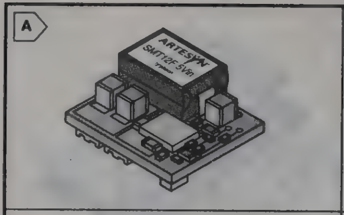
The PTHxxxxxY series employs an actively switching synchronous rectifier output to provide state of the art stepdown switching conversion. The products are small in size and are an ideal choice where space, performance and high efficiency are desired.

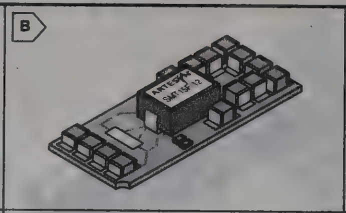
Single Output DDR/QDR Memory Bus Termination Module

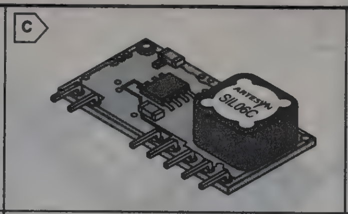
For quantities of 400 and up, call for quote.

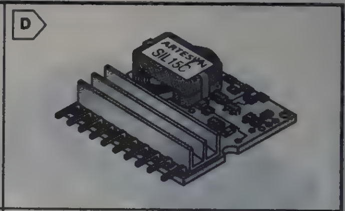
MOUSER STOCK NO.	Artesyn Part No.	Fig.	VTT Range	Output Current	Output Power	Input Voltage	Dimensions: in.			Price Each			
							L	W	H	1	50	100	200
826-PTH03010YAD	PTH03010YAD	E	0.55V-1.8V	±15A	27W	2.95V-3.65V	1.370	0.620	0.354	23.76	21.74	19.84	17.94
826-PTH05010YAH	PTH05010YAH	E	0.55V-1.8V	±15A	27W	4.5V-5.5V	1.370	0.620	0.354	23.76	21.74	19.84	17.94
826-PTH12010YAH	PTH12010YAH	E	0.55V-1.8V	±12A	21.6W	10.8V-13.2V	1.370	0.620	0.354	23.76	21.74	19.84	17.94
826-PTH03050YAD	PTH03050YAD	F	0.55V-1.8V	±6A	10.8W	2.95V-3.65V	0.870	0.495	0.335	13.10	11.99	10.94	9.89
826-PTH05050YAD	PTH05050YAD	F	0.55V-1.8V	±6A	10.8W	4.5V-5.5V	0.870	0.495	0.335	13.10	11.99	10.94	9.89
826-PTH12050YAD	PTH12050YAD	F	0.55V-1.8V	±6A	10.8W	10.8V-13.2V	0.870	0.495	0.335	13.10	11.99	10.94	9.89
826-PTH03060YAD	PTH03060YAD	G	0.55V-1.8V	±10A	18W	2.95V-3.65V	0.995	0.620	0.354	18.60	17.02	15.53	14.04
826-PTH05060YAH	PTH05060YAH	G	0.55V-1.8V	±10A	18W	4.50V-5.50V	0.995	0.620	0.354	20.09	18.38	16.77	15.16
826-PTH12060YAD	PTH12060YAD	G	0.55V-1.8V	±10A	18W	10.8V-13.2V	0.995	0.620	0.354	18.60	17.02	15.53	14.04

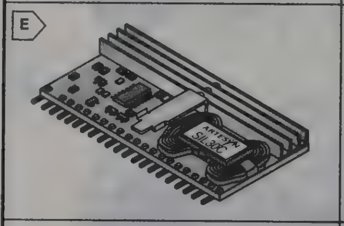
ARTESYN DC-DC Converters

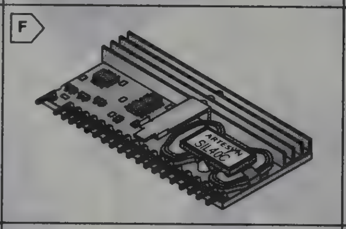

A

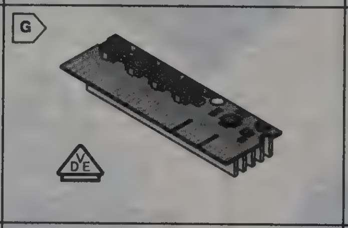

B

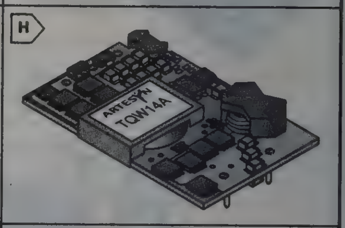

C

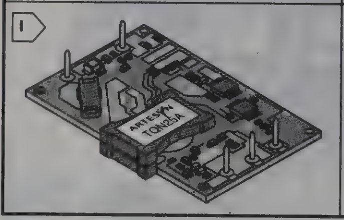

D

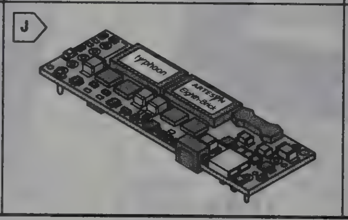

E

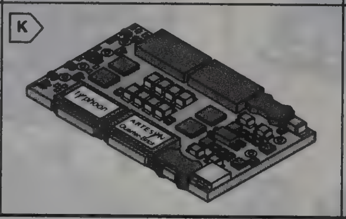

F

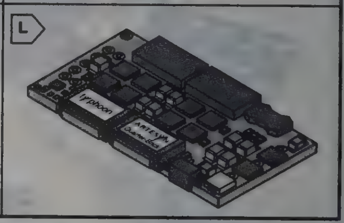

G


H


I


J


K


L

NON-ISOLATED POINT OF LOAD DC-DC CONVERTERS

Artesyn produces an exceptionally wide range of general-purpose non-isolated point-of-load (POL) converters for distributed power applications, as well as a growing number of special-purpose POLs for powering loads such as memories and microprocessors. The VRM is designed to meet the fast transient response requirements of today's microprocessors and fast switching logic.

General-Purpose F Class Point of Load DC-DC Converters

For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Input Voltage	Dimensions (In.)			Price Each			
						L	W	H	1	50	100	200
826-SMT12F-05W3V3J	SMT12F-05W3V3J	A	0.9-3.3V	12A	3.0-5.5VDC	0.63	0.52	0.31	27.58	25.24	23.03	20.82
826-SMT15F-12S1V0	SMT15F-12S1V0	B	1.0V	15A	10.8-13.2VDC	1.30	0.53	0.30	37.24	34.07	31.09	28.11
826-SMT15F-12S1V2J	SMT15F-12S1V2J	B	1.2V	15A	10.8-13.2VDC	1.30	0.53	0.30	34.48	31.55	28.79	26.03
826-SMT15F-12S1V5J	SMT15F-12S1V5J	B	1.5V	15A	10.8-13.2VDC	1.30	0.53	0.30	34.48	31.55	28.79	26.03
826-SMT15F-12S1V8J	SMT15F-12S1V8J	B	1.8V	15A	10.8-13.2VDC	1.30	0.53	0.30	34.48	31.55	28.79	26.03

General-Purpose C Class Point of Load DC-DC Converters

For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Input Voltage	L	W	H	1	50	100	200
826-SIL06C-05SADJ-V	SIL06C-05SADJ-V	C	0.9-3.3V	6A	4.5-5.5VDC	1.20	0.45	0.61	13.93	12.74	11.63	10.52
826-SIL06C-12SADJ-VJ	SIL06C-12SADJ-VJ	C	0.9-5.0V	6A	10.2-13.8VDC	1.20	0.45	0.61	10.80	9.88	9.05	8.15
826-SIL15C-05SADJ-V	SIL15C-05SADJ-V	D	0.9-3.3V	15A	4.5-5.5VDC	1.20	0.40	1.10	18.16	16.61	15.17	13.71
826-SIL15C-12SADJ-V	SIL15C-12SADJ-V	D	0.9-5.0V	15A	10.2-13.8VDC	1.20	0.40	1.10	18.16	16.61	15.17	13.71
826-SIL30C-12SADJ-VJ	SIL30C-12SADJ-VJ	E	0.9-5.0V	30A	10.2-13.8VDC	2.40	0.50	1.25	27.60	25.25	23.05	20.84
826-SIL40C-12SADJ-V	SIL40C-12SADJ-V	F	0.9-5.0V	40A	10.2-13.8VDC	2.40	0.50	1.25	30.71	28.10	25.64	23.19

VRM Processor Power Point of Load DC/DC Converters

For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Input Voltage	L	W	H	1	50	100	200
826-VRM10-80-12P	VRM10-80-12-P	G	0.84-1.6V	80A	11.0-12.6VDC	3.19	0.92	1.24	106.06	97.05	88.57	80.06
826-VRM10-85-12U	VRM10-85-12-U	G	0.84-1.6V	85A	11.0-12.6VDC	3.19	0.92	1.24	65.12	59.58	54.38	49.17

ISOLATED DC-DC CONVERTERS

Artesyn offers isolated DC/DC converters to meet virtually every common design requirement: standard brick outlines and other common form factors, telecom or industrial input voltages for simple and complex semiconductor devices, designs optimized for economy or power performance, through-hole or surface-mount, enclosed or open-frame.

Intermediate Bus Converters (168-300W)

- Active-low logic

For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	Dimensions (In.)			Price Each			
							L	W	H	1	50	100	200
826-TQW14A-48S12-R	TQW14A-48S12-R	H	12V	14A	168W	36-75VDC	2.30	1.46	0.35	87.60	80.15	73.15	66.14
826-TQN20A48S12-R	TQN20A48S12-R	I	12V	20A	240W	43.2-52.8VDC	2.28	1.45	0.43	87.60	80.15	73.15	66.14
826-TQN25A48S12-R	TQN25A48S12-R	I	12V	25A	300W	43.2-52.8VDC	2.28	1.45	0.43	87.60	80.15	73.15	66.14

Eighth-Brick Isolated DC-DC Converters (30-100W)

- Remote on/off (negative)

For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current	Output Power	Input Voltage	L	W	H	1	50	100	200
826-LES50A48-1V2RE	LES50A48-1V2RE	J	1.2V	50A	60W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.22	78.87
826-LES40A48-1V5RE	LES40A48-1V5RE	J	1.5V	40A	60W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.22	78.87
826-LES40A48-1V8REJ	LES40A48-1V8REJ	J	1.8V	40A	72W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.22	78.87
826-LES25A48-2V5REJ	LES25A48-2V5REJ	J	2.5V	25A	62.5W	36-75VDC	2.30	0.90	0.34	104.66	95.58	87.22	78.87
826-LES25A48-3V3RE	LES25A48-3V3RE	J	3.3V	25A	82.5W	36-75VDC	2.30	0.90	0.34	104.46	95.58	87.22	78.87
826-LES15A48-5V0REJ	LES15A48-5V0REJ	J	5.0V	15A	75W	36-75VDC	2.30	0.90	0.34	104.66	95.58	87.22	78.87

Quarter-Brick Isolated DC-DC Converters (36-200W)

- Remote on/off (negative)

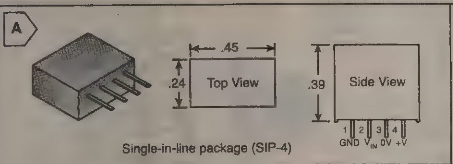
For quantities of 400 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage		Output Current		Output Power	Input Voltage	Dimensions (In.)			Price Each			
			1	2	1	2			L	W	H	1	50	100	200
826-L40A48-3V3-1V2RE	LQD40A48-3V3-1V2RE	K	1.2V	3.3V	20A	20A	90W	36-75VDC	2.30	1.45	0.34	174.86	160.00	146.01	132.02
826-L40A48-3V3-1V5RE	LQD40A48-3V3-1V5RE	K	1.5V	3.3V	20A	20A	96W	36-75VDC	2.30	1.45	0.34	174.86	160.00	146.01	132.02
826-L40A48-3V3-1V8RE	LQD40A48-3V3-1V8RE	K	1.8V	3.3V	20A	20A	102W	36-75VDC	2.30	1.45	0.34	174.86	160.00	146.01	132.02
826-L40A483V3-2V5REJ	LQD40A48-3V3-2V5REJ	K	2.5V	3.3V	20A	20A	116W	36-75VDC	2.30	1.45	0.34	174.86	160.00	146.01	132.02
826-LQS50A48-1V5REJ	LQS50A48-1V5REJ	L	1.5V	---	50A	---	75W	36-75VDC	2.30	1.45	0.34	130.50	119.18	108.75	98.35
826-LQS50A48-1V8RE	LQS50A48-1V8RE	L	1.8V	---	50A	---	90W	36-75VDC	2.30	1.45	0.34	130.50	119.41	108.97	98.53
826-LQS50A48-2V5RE	LQS50A48-2V5RE	L	2.5V	---	50A	---	125W	36-75VDC	2.30	1.45	0.34	130.50	119.41	108.97	98.53
826-LQS50A48-3V3REJ	LQS50A48-3V3REJ	L	3.3V	---	50A	---	165W	36-75VDC	2.30	1.45	0.34	130.50	119.41	108.97	98.53
826-LQS80A48-1V5RE	LQS80A48-1V5RE	L	1.5V	---	80A	---	120W	36-75VDC	2.30	1.45	0.34	171.60	157.02	145.86	128.70
826-LQS80A48-1V8RE	LQS80A48-1V8RE	L	1.8V	---	80A	---	144W	36-75VDC	2.30	1.45	0.34	171.60	157.02	145.86	128.70
826-LQS100A48-1V2RE	LQS100A48-1V2RE	L	1.2V	---	100A	---	120W	36-75VDC	2.30	1.45	0.34	171.60	157.02	145.86	128.70

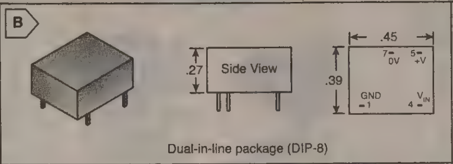
C&D TECHNOLOGIES DC-DC Converters

DIMENSIONS: in.

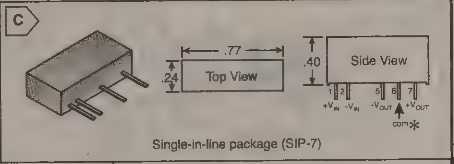
✻ Common pin not present on single output models



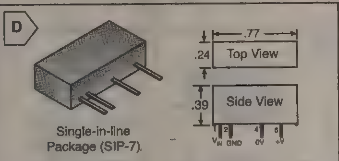
Single-in-line package (SIP-4)



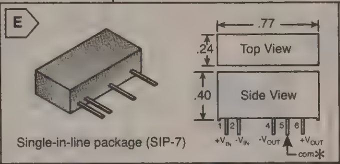
Dual-in-line package (DIP-8)



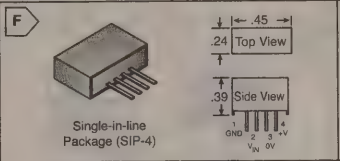
Single-in-line package (SIP-7)



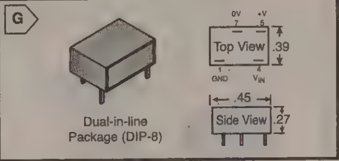
Single-in-line Package (SIP-7)



Single-in-line package (SIP-7)



Single-in-line Package (SIP-4)



Dual-in-line Package (DIP-8)

LME SERIES, 250MW SINGLE OUTPUT

The LME series of DC-DC converters are optimized for low-power operation. They are ideally suited to generating a negative supply where only a positive rail exists.

- RoHS Compliant
- 1kVDC isolation
- Efficiency to 75%
- SIP & DIP package styles
- No heatsink required
- Single output rail
- Fully encapsulated

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
SIP									
580-LME0305SC	LME0305SC	A	3.3	5	50	9.65	9.60	9.54	9.44
580-LME0505SC	LME0505SC	A	5	5	50	9.65	9.60	9.54	9.44
580-LME0512SC	LME0512SC	A	5	12	21	9.65	9.60	9.54	9.44
580-LME0515SC	LME0515SC	A	5	15	16	9.65	9.60	9.54	9.44
580-LME1205SC	LME1205SC	A	12	5	50	9.65	9.60	9.54	9.44
580-LME1212SC	LME1212SC	A	12	12	21	9.65	9.60	9.54	9.44
580-LME1215SC	LME1215SC	A	12	15	16	9.65	9.60	9.54	9.44
DIP									
580-LME0505DC	LME0505DC	B	5	5	50	10.13	10.08	10.02	9.90
580-LME0515DC	LME0515DC	B	5	15	16	10.13	10.08	10.02	9.90
580-LME1205DC	LME1205DC	B	12	5	50	10.13	10.08	10.02	9.90
580-LME1212DC	LME1212DC	B	12	12	21	10.13	10.08	10.02	9.90

HPR4XX SERIES, 750MW SINGLE AND DUAL OUTPUT

The HPR4XX Series uses advanced circuit design and packaging technology to realize superior reliability and performance. This series provides high isolation in a very small package.

- 3kVDC isolation
- Efficiency to 79%
- Internal input and output filtering
- SIP Packaging
- Non-conductive case
- High output power density: 10W/in^3
- RoHS compliant

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
Single Output									
580-HPR400C	HPR400C	C	5	5	150	12.08	11.72	10.21	9.77
580-HPR402C	HPR402C	C	5	15	50	12.08	11.72	10.21	9.77
580-HPR407C	HPR407C	C	12	12	62	12.08	11.72	10.21	9.77
580-HPR414C	HPR414C	C	15	15	50	12.08	11.72	10.21	9.77
580-HPR418C	HPR418C	C	24	5	150	12.08	11.72	10.21	9.77
Dual Output									
580-HPR403C	HPR403C	C	5	±5	±75	17.12	16.61	14.47	13.85
580-HPR404C	HPR404C	C	5	±12	±30	17.12	16.61	14.47	13.85
580-HPR405C	HPR405C	C	5	±15	±25	17.12	16.61	14.47	13.85
580-HPR410C	HPR410C	C	12	±12	±30	17.12	16.61	14.47	13.85
580-HPR411C	HPR411C	C	12	±15	±25	17.12	16.61	14.47	13.85
580-HPR417C	HPR417C	C	15	±15	±25	17.12	16.61	14.47	13.85
580-HPR422C	HPR422C	C	24	±12	±30	17.12	16.61	14.47	13.85
580-HPR423C	HPR423C	C	24	±15	±25	17.12	16.61	14.47	13.85

NMR SERIES, 1W SINGLE OUTPUT

The NMR series of industrial temperature range DC-DC converters are the standard building blocks for on-board distributed power systems. They are ideally suited for providing single rail supplies on primarily digital boards with the added benefit of galvanic isolation to reduce switching noise

- RoHS Compliant
- 1kVDC isolation
- Efficiency to 79%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
580-NMR100C	NMR100C	D	5	5	200	8.76	8.71	8.66	8.56
580-NMR101C	NMR101C	D	5	12	83	8.76	8.71	8.66	8.56
580-NMR102C	NMR102C	D	5	15	67	8.76	8.71	8.66	8.56
580-NMR106C	NMR106C	D	12	5	200	8.76	8.71	8.66	8.56
580-NMR107C	NMR107C	D	12	12	83	8.76	8.71	8.66	8.56
580-NMR108C	NMR108C	D	12	15	67	8.76	8.71	8.66	8.56
580-NMR118C	NMR118C	D	24	5	200	10.11	10.07	10.00	9.88
580-NMR119C	NMR119C	D	24	12	83	10.11	10.07	10.00	9.88
580-NMR120C	NMR120C	D	24	15	67	10.11	10.07	10.00	9.88

HPR1XX SERIES, 750MW SINGLE AND DUAL OUTPUT

The HPR1XX series uses advanced circuit design and packaging. Beat-frequency oscillation problems are reduced when using the HPR1XX series with high frequency isolation amplifiers.

- RoHS compliant
- Multiple package styles
- Efficiency to 79%
- Internal input and output filtering
- Non-conductive case
- High output power density: 10W/in^3
- 750 VDC isolation
- SIP Packaging

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
Single Output									
580-HPR100C	HPR100C	E	5	5	150	8.46	8.21	7.15	6.85
580-HPR101C	HPR101C	E	5	12	62	8.46	8.21	7.15	6.85
580-HPR102C	HPR102C	E	5	15	50	8.46	8.21	7.15	6.85
580-HPR106C	HPR106C	E	12	5	150	8.46	8.21	7.15	6.85
580-HPR107C	HPR107C	E	12	12	62	8.46	8.21	7.15	6.85
580-HPR112C	HPR112C	E	15	5	150	8.46	8.21	7.15	6.85
580-HPR113C	HPR113C	E	15	12	62	8.46	8.21	7.15	6.85
580-HPR118C	HPR118C	E	24	5	150	8.46	8.21	7.15	6.85
580-HPR120C	HPR120C	E	24	15	50	8.46	8.21	7.15	6.85
Dual Output									
580-HPR103C	HPR103C	E	5	±5	75	11.00	10.67	9.30	8.90
580-HPR104C	HPR104C	E	5	±12	30	11.00	10.67	9.30	8.90
580-HPR105C	HPR105C	E	5	±15	25	11.00	10.67	9.30	8.90
580-HPR110C	HPR110C	E	12	±12	30	11.00	10.67	9.30	8.90
580-HPR111C	HPR111C	E	12	±15	25	11.00	10.67	9.30	8.90
580-HPR116C	HPR116C	E	15	±12	30	11.00	10.67	9.30	8.90
580-HPR117C	HPR117C	E	15	±15	25	11.00	10.67	9.30	8.90
580-HPR122C	HPR122C	E	24	±12	30	11.00	10.67	9.30	8.90
580-HPR123C	HPR123C	E	24	±15	25	11.00	10.67	9.30	8.90

NME SERIES, 1W SINGLE OUTPUT

This series is particularly suited to isolating and/or converting DC power rails.

- RoHS Compliant
- 1KVDC isolation
- Efficiency to 75%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

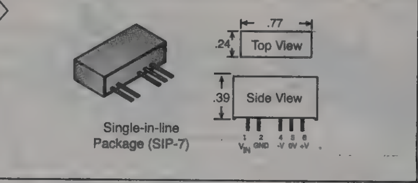
RoHS Compliant

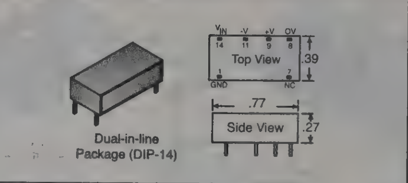
For quantities of 50 and up, call for quote.

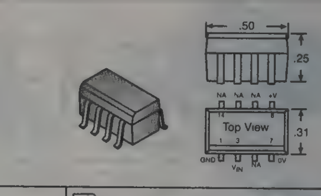
MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
SIP									
580-NME0505SC	NME0505SC	F	5	5	200	8.76	8.71	8.66	8.56
580-NME0512SC	NME0512SC	F	5	12	83	8.76	8.71	8.66	8.56
580-NME0515SC	NME0515SC	F	5	15	66	8.76	8.71	8.66	8.56
580-NME0524SC	NME0524SC	F	5	24	42	10.11	10.07	10.00	9.88
580-NME1205SC	NME1205SC	F	12	5	200	8.76	8.71	8.66	8.56
580-NME1212SC	NME1212SC	F	12	12	83	8.76	8.71	8.66	8.56
580-NME1215SC	NME1215SC	F	12	15	66	8.76	8.71	8.66	8.56
580-NME2405SC	NME2405SC	F	24	5	200	10.11	10.07	10.00	9.88
580-NME2412SC	NME2412SC	F	24	12	83	10.11	10.07	10.00	9.88
580-NME2415SC	NME2415SC	F	24	15	66	10.11	10.07	10.00	9.88
580-NME4805SC	NME4805SC	F	48	5	200	10.11	10.07	10.00	9.88
580-NME4812SC	NME4812SC	F	48	12	83	10.11	10.07	10.00	9.88
DIP									
580-NME0505DC	NME0505DC	G	5	5	200	9.21	9.16	9.09	8.99
580-NME0512DC	NME0512DC	G	5	12	83	9.21	9.16	9.09	8.99
580-NME0515DC	NME0515DC	G	5	15	66	9.21	9.16	9.09	8.99
580-NME0524DC	NME0524DC	G	5	24	42	10.58	10.53	10.44	10.33
580-NME1205DC	NME1205DC	G	12	5	200	9.21	9.16	9.09	8.99
580-NME1212DC	NME1212DC	G	12	12	83	9.21	9.16	9.09	8.99
580-NME1215DC	NME1215DC	G	12	15	66	9.21	9.16	9.09	8.99
580-NME2405DC	NME2405DC	G	24	5	200	10.58	10.53	10.44	10.33
580-NME2412DC	NME2412DC	G	24	12	83	10.58	10.53	10.44	10.33
580-NME2415DC	NME2415DC	G	24	15	66	10.58	10.53	10.44	10.33
580-NME4805DC	NME4805DC	G	48	5	200	10.58	10.53	10.44	10.33

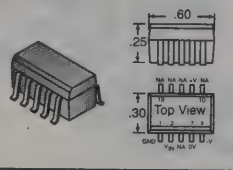
C&D TECHNOLOGIES DC-DC Converters

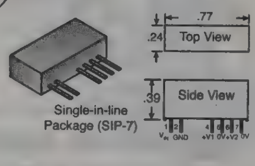
DIMENSIONS: in.

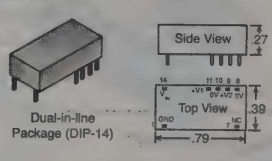
A


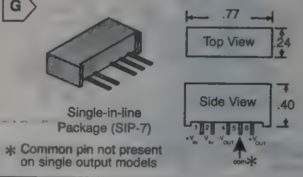
B


C


D


E


F


G


NMA SERIES, 1W DUAL OUTPUT

Ideally suited to providing dual rail supplies on primarily digital boards with the added benefit of galvanic isolation to reduce switching noise.

- RoHS Compliant
- 1KVDC isolation
- Fully encapsulated
- Toroidal magnetics
- Efficiency to 80%
- UL 94V-0 package material
- No heatsink required

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
SIP									
580-NMA0505SC	NMA0505SC	A	5	±5	100	**8.76**	**8.71**	**8.66**	**8.56**
580-NMA0512SC	NMA0512SC	A	5	±12	42	**8.76**	**8.71**	**8.66**	**8.56**
580-NMA0515SC	NMA0515SC	A	5	±15	34	**8.76**	**8.71**	**8.66**	**8.56**
580-NMA1205SC	NMA1205SC	A	12	±5	100	**8.76**	**8.71**	**8.66**	**8.56**
580-NMA1212SC	NMA1212SC	A	12	±12	42	**8.76**	**8.71**	**8.66**	**8.56**
580-NMA1215SC	NMA1215SC	A	12	±15	34	**8.76**	**8.71**	**8.66**	**8.56**
580-NMA2405SC	NMA2405SC	A	24	±5	100	**10.11**	**10.07**	**10.00**	**9.88**
580-NMA2412SC	NMA2412SC	A	24	±12	42	**10.11**	**10.07**	**10.00**	**9.88**
580-NMA2415SC	NMA2415SC	A	24	±15	34	**10.11**	**10.07**	**10.00**	**9.88**
580-NMA4805SC	NMA4805SC	A	48	±5	100	**10.11**	**10.07**	**10.00**	**9.88**
580-NMA4812SC	NMA4812SC	A	48	±12	42	**10.11**	**10.07**	**10.00**	**9.88**
580-NMA4815SC	NMA4815SC	A	48	±15	34	**10.11**	**10.07**	**10.00**	**9.88**
DIP									
580-NMA0505DC	NMA0505DC	B	5	±5	100	**9.21**	**9.16**	**9.09**	**8.99**
580-NMA0509DC	NMA0509DC	B	5	±9	55	**9.21**	**9.16**	**9.09**	**8.99**
580-NMA0512DC	NMA0512DC	B	5	±12	42	**9.21**	**9.16**	**9.09**	**8.99**
580-NMA0515DC	NMA0515DC	B	5	±15	34	**9.21**	**9.16**	**9.09**	**8.99**
580-NMA1205DC	NMA1205DC	B	12	±12	100	**9.21**	**9.16**	**9.09**	**8.99**
580-NMA1212DC	NMA1212DC	B	12	±12	42	**9.21**	**9.16**	**9.09**	**8.99**
580-NMA1215DC	NMA1215DC	B	12	±15	34	**9.21**	**9.16**	**9.09**	**8.99**
580-NMA2405DC	NMA2405DC	B	24	±5	100	**10.58**	**10.53**	**10.44**	**10.33**
580-NMA2412DC	NMA2412DC	B	24	±12	42	**10.58**	**10.53**	**10.44**	**10.33**
580-NMA2415DC	NMA2415DC	B	24	±15	34	**10.58**	**10.53**	**10.44**	**10.33**
580-NMA4805DC	NMA4805DC	B	48	±5	100	**10.58**	**10.53**	**10.44**	**10.33**
580-NMA4812DC	NMA4812DC	B	48	±12	42	**10.58**	**10.53**	**10.44**	**10.33**
580-NMA4815DC	NMA4815DC	B	48	±15	34	**10.58**	**10.53**	**10.44**	**10.33**

NTE SERIES, SMT 1W SINGLE OUTPUT

This series of miniature surface mounted DC-DC Converters employ leadframe technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- RoHS Compliant
- 1KVDC isolation
- Efficiency to 78%
- Fully encapsulated
- Surface Mount
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
580-NTE0303MC	NTE0303MC	C	3.3	3.3	303	**8.78**	**8.51**	**7.42**	**7.10**
580-NTE0305MC	NTE0305MC	C	3.3	5	200	**8.76**	**8.71**	**8.66**	**8.56**
580-NTE0503MC	NTE0503MC	C	5	3.3	303	**8.78**	**8.51**	**7.42**	**7.10**
580-NTE0505MC	NTE0505MC	C	5	5	200	**8.76**	**8.71**	**8.66**	**8.56**
580-NTE0512MC	NTE0512MC	C	5	12	83	**8.76**	**8.71**	**8.66**	**8.56**
580-NTE0515MC	NTE0515MC	C	5	15	66	**8.76**	**8.71**	**8.66**	**8.56**
580-NTE1205MC	NTE1205MC	C	12	5	200	**8.76**	**8.71**	**8.66**	**8.56**
580-NTE1212MC	NTE1212MC	C	12	12	83	**8.76**	**8.71**	**8.66**	**8.56**
580-NTE1215MC	NTE1215MC	C	12	15	66	**8.76**	**8.71**	**8.66**	**8.56**

NTA SERIES, SMT 1W DUAL OUTPUT

The NTA series of miniature surface mounted DC-DC Converters employ leadframe technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- RoHS Compliant
- 1KVDC isolation
- Efficiency to 78%
- Surface Mount
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
580-NTA0312MC	NTA0312MC	D	3.3	±12	42	**8.76**	**8.71**	**8.66**	**8.56**
580-NTA0315MC	NTA0315MC	D	3.3	±15	33	**8.76**	**8.71**	**8.66**	**8.56**
580-NTA0505MC	NTA0505MC	D	5	±5	100	**8.76**	**8.71**	**8.66**	**8.56**
580-NTA0512MC	NTA0512MC	D	5	±12	42	**8.76**	**8.71**	**8.66**	**8.56**
580-NTA0515MC	NTA0515MC	D	5	±15	33	**8.76**	**8.71**	**8.66**	**8.56**
580-NTA1205MC	NTA1205MC	D	12	±5	100	**8.76**	**8.71**	**8.66**	**8.56**
580-NTA1212MC	NTA1212MC	D	12	±12	42	**8.76**	**8.71**	**8.66**	**8.56**
580-NTA1215MC	NTA1215MC	D	12	±15	33	**8.76**	**8.71**	**8.66**	**8.56**

NMD SERIES ISOLATED 1W TWIN OUTPUT

The NMD series of DC-DC converters are ideally suited to applications where potential difference exists between loads. The twin outputs offer cost and space savings by consolidating two DC-DC converters into one package.

- RoHS Compliant
- No heatsink required
- Efficiency to 80%
- Power sharing on outputs
- Input/Output isolation 1kVDC
- Output Voltage 1 5V@100mA
- Output/Output isolation 1kVDC
- Twin independent outputs

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output 1 V	Output 1 mA	Output 2 V	Output 2 mA	Price Each 1	5	10	25
SIP											
580-NMD050503SC	NMD050503SC	E	5	5	100	3.3	152	**10.53**	**10.48**	**10.40**	**10.28**
580-NMD050505SC	NMD050505SC	E	5	5	100	5	100	**10.53**	**10.48**	**10.40**	**10.28**
580-NMD050512SC	NMD050512SC	E	5	5	100	12	42	**10.53**	**10.48**	**10.40**	**10.28**
580-NMD050515SC	NMD050515SC	E	5	5	100	15	34	**10.53**	**10.48**	**10.40**	**10.28**
580-NMD120505SC	NMD120505SC	E	12	5	100	5	100	**10.53**	**10.48**	**10.40**	**10.28**
580-NMD120512SC	NMD120512SC	E	12	5	100	12	42	**10.53**	**10.48**	**10.40**	**10.28**
580-NMD120515SC	NMD120515SC	E	12	5	100	15	34	**10.53**	**10.48**	**10.40**	**10.28**
DIP											
580-NMD050503DC	NMD050503DC	F	5	5	100	3.3	152	**11.06**	**11.01**	**10.92**	**10.81**
580-NMD050505DC	NMD050505DC	F	5	5	100	5	100	**11.06**	**11.01**	**10.92**	**10.81**
580-NMD050512DC	NMD050512DC	F	5	5	100	12	42	**11.06**	**11.01**	**10.92**	**10.81**
580-NMD050515DC	NMD050515DC	F	5	5	100	15	34	**11.06**	**11.01**	**10.92**	**10.81**
580-NMD120505DC	NMD120505DC	F	12	5	100	5	100	**11.06**	**11.01**	**10.92**	**10.81**
580-NMD120512DC	NMD120512DC	F	12	5	100	12	42	**11.06**	**11.01**	**10.92**	**10.81**
580-NMD120515DC	NMD120515DC	F	15	5	100	15	34	**11.06**	**11.01**	**10.92**	**10.81**

HPR10XX SERIES, 1W UNREGULATED SINGLE AND DUAL OUTPUT

The high efficiency of this series means less internal power dissipation, as low as 190mW. High efficiency allows this series to offer greater than 13W/in³ of output power density.

- Internal input and output filtering
- Non-conductive case
- RoHS Compliant
- Extended temperature range: -25°C to +65°C
- High efficiency: to 72% typical

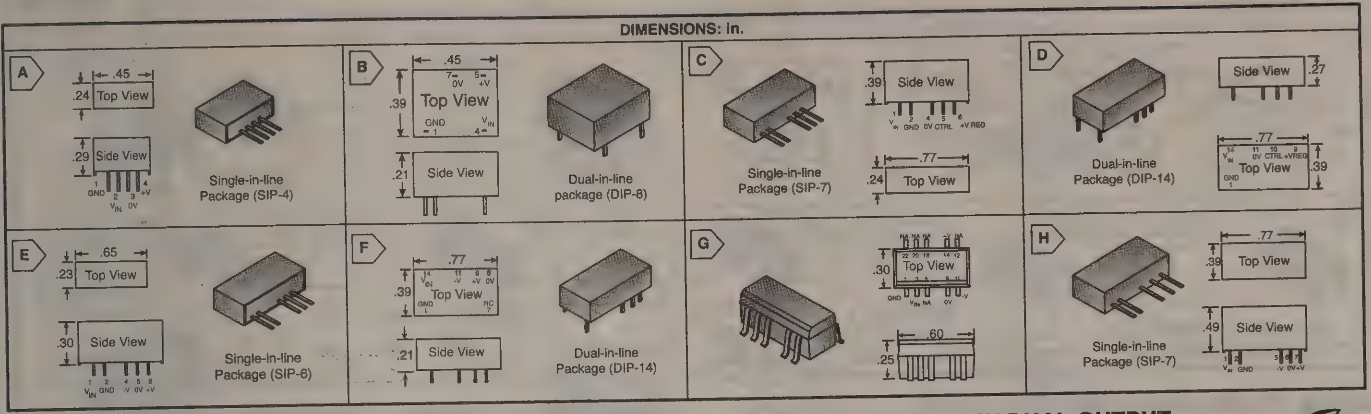
RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-HPR1000C	HPR1000C	G	5	5	200	**9.31**	**9.03**	**7.87**	**7.53**
580-HPR1001C	HPR1001C	G	5	12	83	**9.31**	**9.03**	**7.87**	**7.53**
580-HPR1018C	HPR1018C	G	24	5	200	**9.31**	**9.03**	**7.87**	**7.53**
Dual Output									
580-HPR1004C	HPR1004C	G	5	±12	42	**11.42**	**11.08**	**9.65**	**9.24**
580-HPR1005C	HPR1005C	G	5	±15	34	**11.42**	**11.08**	**9.65**	**9.24**
580-HPR1022C	HPR1022C	G	24	±12	42	**11.42**	**11.08**	**9.65**	**9.24**
580-HPR1023C	HPR1023C	G	24	±15	34	**11.42**	**11.08**	**9.65**	**9.24**

C&D TECHNOLOGIES DC-DC Converters

DIMENSIONS: in.



NKE SERIES, 1W SINGLE OUTPUT

This series is particularly suited to isolating and/or converting DC power rails.

- RoHS Compliant
- 3kVDC isolation
- Efficiency to 80%
- Fully encapsulated with toroidal magnetics
- No electrolytic or tantalum capacitors
- UL 94V-0 package material

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
SIP									
580-NKE0303SC	NKE0303SC	A	3.3	3.3	303	8.35	8.30	8.25	8.15
580-NKE0305SC	NKE0305SC	A	3.3	5	200	8.35	8.30	8.25	8.15
580-NKE0503SC	NKE0503SC	A	5	3.3	303	8.35	8.30	8.25	8.15
580-NKE0505SC	NKE0505SC	A	5	5	200	8.35	8.30	8.25	8.15
580-NKE0509SC	NKE0509SC	A	5	9	111	8.35	8.30	8.25	8.15
580-NKE0512SC	NKE0512SC	A	5	12	83	8.35	8.30	8.25	8.15
580-NKE0515SC	NKE0515SC	A	5	15	66	8.35	8.30	8.25	8.15
580-NKE1205SC	NKE1205SC	A	12	5	200	8.35	8.30	8.25	8.15
580-NKE1209SC	NKE1209SC	A	12	9	111	8.35	8.30	8.25	8.15
580-NKE1212SC	NKE1212SC	A	12	12	83	8.35	8.30	8.25	8.15
580-NKE1215SC	NKE1215SC	A	12	15	66	8.35	8.30	8.25	8.15
DIP									
580-NKE0303DC	NKE0303DC	B	3.3	3.3	303	8.76	8.71	8.66	8.56
580-NKE0305DC	NKE0305DC	B	3.3	5	200	8.76	8.71	8.66	8.56
580-NKE0503DC	NKE0503DC	B	5	3.3	303	8.76	8.71	8.66	8.56
580-NKE0505DC	NKE0505DC	B	5	5	200	8.76	8.71	8.66	8.56
580-NKE0509DC	NKE0509DC	B	5	9	111	8.76	8.71	8.66	8.56
580-NKE0512DC	NKE0512DC	B	5	12	83	8.76	8.71	8.66	8.56
580-NKE0515DC	NKE0515DC	B	5	15	66	8.76	8.71	8.66	8.56
580-NKE1205DC	NKE1205DC	B	12	5	200	8.76	8.71	8.66	8.56
580-NKE1209DC	NKE1209DC	B	12	9	111	8.76	8.71	8.66	8.56
580-NKE1212DC	NKE1212DC	B	12	12	83	8.76	8.71	8.66	8.56
580-NKE1215DC	NKE1215DC	B	12	15	66	8.76	8.71	8.66	8.56

NMF SERIES, ISOLATED 1W REGULATED SINGLE OUTPUT

The NMF series of DC-DC converters is used where a tightly regulated supply is required. They are ideal for situations where the input voltage is not tightly controlled.

- 1kVDC isolation
- Efficiency to 62%
- No heatsink required
- RoHS Compliant
- SIP & DIP package styles
- Fully encapsulated
- Single isolated output

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
SIP									
580-NMF0505SC	NMF0505SC	C	5	5	100	8.22	8.18	8.12	8.03
580-NMF0512SC	NMF0512SC	C	5	12	83	8.22	8.18	8.12	8.03
580-NMF0515SC	NMF0515SC	C	5	15	67	8.22	8.18	8.12	8.03
580-NMF1205SC	NMF1205SC	C	12	5	100	8.22	8.18	8.12	8.03
580-NMF1212SC	NMF1212SC	C	12	12	83	8.22	8.18	8.12	8.03
580-NMF1215SC	NMF1215SC	C	12	15	67	8.22	8.18	8.12	8.03
580-NMF2405SC	NMF2405SC	C	24	5	100	9.48	9.43	9.37	9.26
580-NMF2412SC	NMF2412SC	C	24	12	83	9.48	9.43	9.37	9.26
580-NMF2415SC	NMF2415SC	C	24	15	67	9.48	9.43	9.37	9.26
580-NMF4805SC	NMF4805SC	C	48	5	100	9.48	9.43	9.37	9.26
580-NMF4812SC	NMF4812SC	C	48	12	83	9.48	9.43	9.37	9.26
580-NMF4815SC	NMF4815SC	C	48	15	67	9.48	9.43	9.37	9.26
DIP									
580-NMF0505DC	NMF0505DC	D	5	5	100	8.65	8.61	8.55	8.45
580-NMF0512DC	NMF0512DC	D	5	12	83	8.65	8.61	8.55	8.45
580-NMF0515DC	NMF0515DC	D	5	15	67	8.65	8.61	8.55	8.45
580-NMF1205DC	NMF1205DC	D	12	5	100	8.65	8.61	8.55	8.45
580-NMF1212DC	NMF1212DC	D	12	12	83	8.65	8.61	8.55	8.45
580-NMF1215DC	NMF1215DC	D	12	15	67	8.65	8.61	8.55	8.45
580-NMF2405DC	NMF2405DC	D	24	5	100	9.95	9.90	9.83	9.72
580-NMF2412DC	NMF2412DC	D	24	12	83	9.95	9.90	9.83	9.72
580-NMF2415DC	NMF2415DC	D	24	15	67	9.95	9.90	9.83	9.72
580-NMF4805DC	NMF4805DC	D	48	5	100	9.95	9.90	9.83	9.72
580-NMF4812DC	NMF4812DC	D	48	12	83	9.95	9.90	9.83	9.72
580-NMF4815DC	NMF4815DC	D	48	15	67	9.95	9.90	9.83	9.72

NKA SERIES, 1W DUAL OUTPUT

This series is the standard building block for on-board distributed power systems.

- 3kVDC isolation
- Efficiency to 82%
- UL 94V-0 package material
- Fully encapsulated with toroidal magnetics
- No electrolytic or tantalum capacitors
- RoHS Compliant

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
SIP									
580-NKA0305SC	NKA0305SC	E	3.3	±5	±100	8.35	8.30	8.25	8.15
580-NKA0312SC	NKA0312SC	E	3.3	±12	±42	8.35	8.30	8.25	8.15
580-NKA0315SC	NKA0315SC	E	3.3	±5	±33	8.35	8.30	8.25	8.15
580-NKA0505SC	NKA0505SC	E	5	±5	±100	8.35	8.30	8.25	8.15
580-NKA0509SC	NKA0509SC	E	5	±9	±55	8.35	8.30	8.25	8.15
580-NKA0512SC	NKA0512SC	E	5	±12	±42	8.35	8.30	8.25	8.15
580-NKA0515SC	NKA0515SC	E	5	±5	±33	8.35	8.30	8.25	8.15
580-NKA1205SC	NKA1205SC	E	12	±5	±100	8.35	8.30	8.25	8.15
580-NKA1209SC	NKA1209SC	E	12	±9	±55	8.35	8.30	8.25	8.15
580-NKA1212SC	NKA1212SC	E	12	±12	±42	8.35	8.30	8.25	8.15
580-NKA1215SC	NKA1215SC	E	12	±5	±33	8.35	8.30	8.25	8.15
DIP									
580-NKA0303DC	NKA0303DC	F	3.3	±3.3	±163	8.76	8.71	8.66	8.56
580-NKA0305DC	NKA0305DC	F	3.3	±5	±100	8.76	8.71	8.66	8.56
580-NKA0312DC	NKA0312DC	F	3.3	±12	±42	8.76	8.71	8.66	8.56
580-NKA0505DC	NKA0505DC	F	5	±5	±100	8.76	8.71	8.66	8.56
580-NKA0509DC	NKA0509DC	F	5	±9	±55	8.76	8.71	8.66	8.56
580-NKA0512DC	NKA0512DC	F	5	±12	±42	8.76	8.71	8.66	8.56
580-NKA1212DC	NKA1212DC	F	12	±12	±42	8.76	8.71	8.66	8.56

NTV SERIES, 1W DUAL OUTPUT

This series employs lead frame technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- 3kVDC isolation (1min.)
- Dual isolated output
- Efficiency to 82%
- RoHS Compliant
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Plastic encapsulated

RoHS Compliant

For quantities of 50 and up, call for quote.

580-NTV0505MC	NTV0505MC	G	5	±5	±100	10.97	10.92	10.84	10.73
580-NTV0509MC	NTV0509MC	G	5	±9	±55	10.97	10.92	10.84	10.73
580-NTV0515MC	NTV0515MC	G	5	±15	±33	10.97	10.92	10.84	10.73
580-NTV1205MC	NTV1205MC	G	12	±5	±100	10.97	10.92	10.84	10.73
580-NTV1209MC	NTV1209MC	G	12	±9	±55	10.97	10.92	10.84	10.73
580-NTV1212MC	NTV1212MC	G	12	±12	±42	10.97	10.92	10.84	10.73

NMJ SERIES 5.2KVDC ISOLATED, 1W SINGLE AND DUAL OUTPUT

The NMJ series are dual output DC-DC converters in a 7-pin SIP package style. They are suitable for applications where safety and miniaturization are of paramount importance.

- BS EN 60950
- 5.2kVDC isolation
- Power sharing
- No heatsink required
- Toroidal magnetics
- Fully encapsulated
- RoHS Compliant

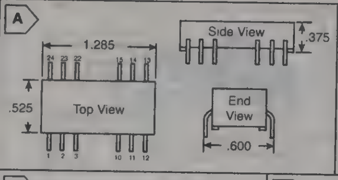
RoHS Compliant

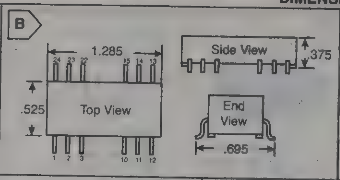
For quantities of 50 and up, call for quote.

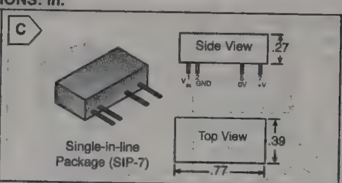
MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
Single									
580-NMJ0303SAC	NMJ0303SAC	H	3.3	3.3	303	14.04	13.98	13.88	13.71
580-NMJ0503SAC	NMJ0503SAC	H	5	3.3	303	14.04	13.98	13.88	13.71
580-NMJ0505SAC	NMJ0505SAC	H	5	5	200	14.04	13.98	13.88	13.71
580-NMJ0509SAC	NMJ0509SAC	H	5	9	111	14.04	13.98	13.88	13.71
580-NMJ0512SAC	NMJ0512SAC	H	5	12	83	14.04	13.98	13.88	13.71
580-NMJ0515SAC	NMJ0515SAC	H	5	15	66	14.04	13.98	13.88	13.71
580-NMJ1205SAC	NMJ1205SAC	H	12	5	200	14.04	13.98	13.88	13.71
580-NMJ1209SAC	NMJ1209SAC	H	12	9	111	14.04	13.98	13.88	13.71
580-NMJ1212SAC	NMJ1212SAC	H	12	12	83	14.04	13.98	13.88	13.71
580-NMJ1215SAC	NMJ1215SAC	H	12	15	66	14.04	13.98	13.88	13.71
Dual									
580-NMJ0505SC	NMJ0505SC	H	5	±5	±100	14.04	13.98	13.88	13.71
580-NMJ0512SC	NMJ0512SC	H	5	±12	±42	14.04	13.98	13.88	13.71
580-NMJ0515SC	NMJ0515SC	H	5	±15	±33	14.04	13.98	13.88	13.71
580-NMJ1205SC	NMJ1205SC	H	12	±5	±100	14.04	13.98	13.88	13.71
580-NMJ1212SC	NMJ1212SC	H	12	±12	±42	14.04	13.98	13.88	13.71
580-NMJ1215SC	NMJ1215SC	H	12	±15	±33	14.04	13.98	13.88	13.71

C&D TECHNOLOGIES DC-DC Converters

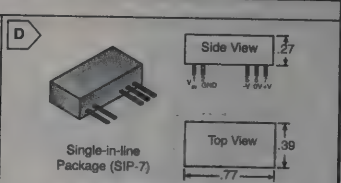
DIMENSIONS: in.

A


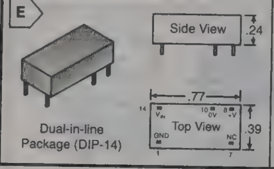
B


C


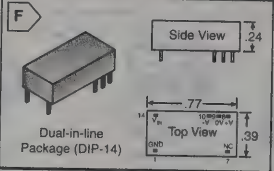
Single-in-line Package (SIP-7)

D


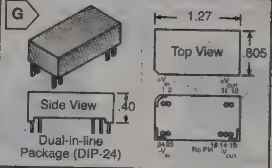
Single-in-line Package (SIP-7)

E


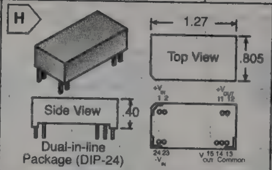
Dual-in-line Package (DIP-14)

F


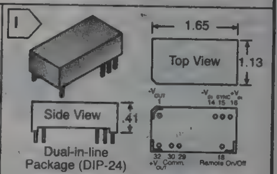
Dual-in-line Package (DIP-14)

G


Dual-in-line Package (DIP-24)

H


Dual-in-line Package (DIP-24)

I


Dual-in-line Package (DIP-24)

HL01R SERIES 1W REGULATED SINGLE AND DUAL OUTPUT

The HL01R Series uses advanced circuit design and packaging technology to realize superior reliability and performance. Beat-frequency oscillator problems are reduced when using HL01R Series with high frequency isolation amplifiers.

- 500Vrms isolation test voltage
- Low leakage current - 2mA max
- Internal filtering
- Low barrier capacitance - 10pF
- 24-pin DIP and SMD packages
- Non-conductive case
- RoHS Compliant

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output DIP Package									
580-HL01R05S05YC	HL01R05S05YC	A	5	5	200	10.49	10.17	8.87	8.49
580-HL01R05S12YC	HL01R05S12YC	A	5	12	83	10.49	10.17	8.87	8.49
580-HL01R24S05YC	HL01R24S05YC	A	24	5	200	10.49	10.17	8.87	8.49
Dual Output DIP Package									
580-HL01R24D12YC	HL01R24D12YC	A	24	±12	41	12.52	12.14	10.58	10.13
580-HL01R24D15YC	HL01R24D15YC	A	24	±15	33	12.52	12.14	10.58	10.13
Single Output SMD Package									
580-HL01R05S05ZC	HL01R05S05ZC	B	5	5	200	10.49	10.17	8.87	8.49
Dual Output SMD Package									
580-HL01R05D15ZC	HL01R05D15ZC	B	5	±15	33	12.52	12.14	10.58	10.13
580-HL01R24D05ZC	HL01R24D05ZC	B	24	±5	100	12.52	12.14	10.58	10.13

NMV SERIES 3KVDC ISOLATED, 1W SINGLE AND DUAL OUTPUT

- 3kVDC isolation
- Efficiency to 80%
- UL 94V-0 package material
- Toroidal magnetics
- Fully encapsulated
- RoHS Compliant
- No heatsink required

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
Single Output SIP Package									
580-NMV0505SAC	NMV0505SAC	C	5	5	200	10.97	10.92	10.84	10.73
580-NMV0509SAC	NMV0509SAC	C	5	9	111	10.97	10.92	10.84	10.73
580-NMV0512SAC	NMV0512SAC	C	5	12	84	10.97	10.92	10.84	10.73
580-NMV0515SAC	NMV0515SAC	C	5	15	67	10.97	10.92	10.84	10.73
580-NMV1205SAC	NMV1205SAC	C	12	5	200	10.97	10.92	10.84	10.73
580-NMV1209SAC	NMV1209SAC	C	12	9	111	10.97	10.92	10.84	10.73
580-NMV1212SAC	NMV1212SAC	C	12	12	84	10.97	10.92	10.84	10.73
580-NMV1215SAC	NMV1215SAC	C	12	15	67	10.97	10.92	10.84	10.73
Dual Output SIP Package									
580-NMV0505SC	NMV0505SC	D	5	±5	100	10.97	10.92	10.84	10.73
580-NMV0509SC	NMV0509SC	D	5	±9	55	10.97	10.92	10.84	10.73
580-NMV0512SC	NMV0512SC	D	5	±12	42	10.97	10.92	10.84	10.73
580-NMV0515SC	NMV0515SC	D	5	±15	34	10.97	10.92	10.84	10.73
580-NMV1205SC	NMV1205SC	D	12	±5	100	10.97	10.92	10.84	10.73
580-NMV1209SC	NMV1209SC	D	12	±9	55	10.97	10.92	10.84	10.73
580-NMV1212SC	NMV1212SC	D	12	±12	42	10.97	10.92	10.84	10.73
580-NMV1215SC	NMV1215SC	D	12	±15	34	10.97	10.92	10.84	10.73
Single Output DIP Package									
580-NMV0505DAC	NMV0505DAC	E	5	5	200	11.53	11.48	11.40	11.27
580-NMV0509DAC	NMV0509DAC	E	5	9	111	11.53	11.48	11.40	11.27
580-NMV0512DAC	NMV0512DAC	E	5	12	84	11.53	11.48	11.40	11.27
580-NMV0515DAC	NMV0515DAC	E	5	15	67	11.53	11.48	11.40	11.27
580-NMV1205DAC	NMV1205DAC	E	12	5	200	11.53	11.48	11.40	11.27
580-NMV1209DAC	NMV1209DAC	E	12	9	111	11.53	11.48	11.40	11.27
580-NMV1212DAC	NMV1212DAC	E	12	12	84	11.53	11.48	11.40	11.27
580-NMV1215DAC	NMV1215DAC	E	12	15	67	11.53	11.48	11.40	11.27
Dual Output DIP Package									
580-NMV0505DC	NMV0505DC	F	5	±5	100	11.53	11.48	11.40	11.27
580-NMV0509DC	NMV0509DC	F	5	±9	55	11.53	11.48	11.40	11.27
580-NMV0512DC	NMV0512DC	F	5	±12	42	11.53	11.48	11.40	11.27
580-NMV0515DC	NMV0515DC	F	5	±15	34	11.53	11.48	11.40	11.27
580-NMV1205DC	NMV1205DC	F	12	±5	100	11.53	11.48	11.40	11.27
580-NMV1209DC	NMV1209DC	F	12	±9	55	11.53	11.48	11.40	11.27
580-NMV1212DC	NMV1212DC	F	12	±12	42	11.53	11.48	11.40	11.27
580-NMV1215DC	NMV1215DC	F	12	±15	34	11.53	11.48	11.40	11.27

PWR13XX SERIES, 1.5W UNREGULATED SINGLE AND DUAL OUTPUT

The PWR13XX series offers a broad line of low-cost, high-isolation voltage, unregulated, single and dual output DC-DC converters in a 24-pin DIP package. High efficiency means less internal power dissipation.

- 8kVDC isolation
- Internal filtering
- Low barrier capacitance: 10pf
- Low leakage current: 2µA max
- RoHS Compliant

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output									
580-PWR1300AC	PWR1300AC	G	5	5	300	31.79	30.83	26.87	25.72
580-PWR1301AC	PWR1301AC	G	5	12	125	31.79	30.83	26.87	25.72
580-PWR1306AC	PWR1306AC	G	12	5	300	31.79	30.83	26.87	25.72
580-PWR1307AC	PWR1307AC	G	12	12	125	31.79	30.83	26.87	25.72
580-PWR1308AC	PWR1308AC	G	12	15	100	31.79	30.83	26.87	25.72
Dual Output									
580-PWR1303AC	PWR1303AC	H	5	±5	150	33.81	32.79	28.57	27.35
580-PWR1304AC	PWR1304AC	H	5	±12	63	33.81	32.79	28.57	27.35
580-PWR1305AC	PWR1305AC	H	5	±15	50	33.81	32.79	28.57	27.35
580-PWR1309AC	PWR1309AC	H	12	±5	150	33.81	32.79	28.57	27.35
580-PWR1310AC	PWR1310AC	H	12	±12	63	33.81	32.79	28.57	27.35
580-PWR1311AC	PWR1311AC	H	12	±15	50	33.81	32.79	28.57	27.35
580-PWR1317AC	PWR1317AC	H	15	±15	50	33.81	32.79	28.57	27.35

PWR1726A SERIES, 1.5W UNREGULATED DUAL OUTPUT

The PWR1726A is a single-channel, dual-output DC-DC converter designed for applications where high-isolation voltage and low-barrier capacitance are critical for reliability and integrity.

- 8kV isolation test voltage
- Remote on/off
- Operating temperature range: -40°C ~ +100°C
- Low-barrier capacitance
- Synchronizable
- RoHS Compliant

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
580-PWR1726AC	PWR1726AC	I	12	±15	50	40.62	39.40	34.33	32.87

HL02R SERIES, 2W REGULATED SINGLE AND DUAL OUTPUT

The HL02R Series utilizes a 110KHz push-pull oscillator in the input stage with low-drop regulators on the outputs reducing the output noise and maintaining good efficiency.

- Internal filtering
- Temperature range: -25°C to +70°C
- Short circuit duration: 30 seconds
- Low output noise
- High efficiency
- Internal power dissipation: 0.90W
- Internal power dissipation: 0.90W
- RoHS Compliant

RoHS Compliant

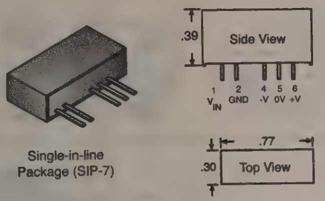
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
Single Output DIP Package									
580-HL02R05S05YC	HL02R05S05YC	A	5	5	400	12.57	12.19	10.62	10.17
580-HL02R05S12YC	HL02R05S12YC	A	5	12	166	12.57	12.19	10.62	10.17
580-HL02R15S05YC	HL02R15S05YC	A	15	5	400	12.57	12.19	10.62	10.17
580-HL02R24S05YC	HL02R24S05YC	A	24	5	400	12.57	12.19	10.62	10.17
580-HL02R24S12YC	HL02R24S12YC	A	24	12	166	12.57	12.19	10.62	10.17
Dual Output DIP Package									
580-HL02R05D12YC	HL02R05D12YC	A	5	±12	83	15.08	14.62	12.74	12.20
580-HL02R05D15YC	HL02R05D15YC	A	5	±15	67	15.08	14.62	12.74	12.20
580-HL02R12D12YC	HL02R12D12YC	A	12	±12	83	15.08	14.62	12.74	12.20
580-HL02R12D15YC	HL02R12D15YC	A	12	±15	67	15.08	14.62	12.74	12.20
580-HL02R24D15YC	HL02R24D15YC	A	24	±15	67	15.08	14.62	12.74	12.20
Single Output SMD Package									
580-HL02R05S05ZC	HL02R05S05ZC	B	5	5	400	12.57	12.19	10.62	10.17
580-HL02R05S12ZC	HL02R05S12ZC	B	5	12	166	12.57	12.19	10.62	10.17
Dual Output SMD Package									
580-HL02R24D15ZC	HL02R24D15ZC	B	24	±15	67	15.08	14.62	12.74	12.20

C&D TECHNOLOGIES DC-DC Converters

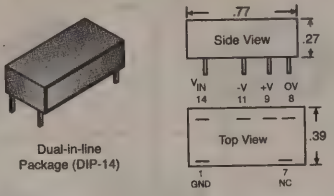
DIMENSIONS: In.

A



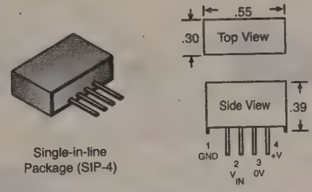
Single-in-line Package (SIP-7)

B



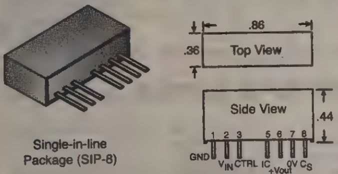
Dual-in-line Package (DIP-14)

C



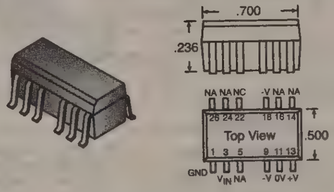
Single-in-line Package (SIP-4)

D

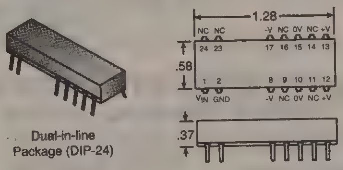


Single-in-line Package (SIP-8)

E



F



Dual-in-line Package (DIP-24)

NMH SERIES, 2W DUAL OUTPUT

The NMH offers the smallest footprint of any dual-output 2 watt DC-DC Converter.

- 1KVDC isolation
- UL 94V-0 package material
- Toroidal magnetics
- Efficiency to 80%
- No heatsink required
- Fully encapsulated
- RoHS Compliant

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NMH0505SC	NMH0505SC	A	5	±5	200	14.04	13.98	13.88	13.71
580-NMH0509SC	NMH0509SC	A	5	±9	111	14.04	13.98	13.88	13.71
580-NMH0512SC	NMH0512SC	A	5	±12	83	14.04	13.98	13.88	13.71
580-NMH0515SC	NMH0515SC	A	5	±15	67	14.04	13.98	13.88	13.71
580-NMH1205SC	NMH1205SC	A	12	±5	200	14.04	13.98	13.88	13.71
580-NMH1209SC	NMH1209SC	A	12	±9	111	14.04	13.98	13.88	13.71
580-NMH1212SC	NMH1212SC	A	12	±12	83	14.04	13.98	13.88	13.71
580-NMH1215SC	NMH1215SC	A	12	±15	67	14.04	13.98	13.88	13.71
580-NMH2405SC	NMH2405SC	A	24	±5	200	16.17	16.09	15.97	15.79
580-NMH2409SC	NMH2409SC	A	24	±9	111	16.17	16.09	15.97	15.79
580-NMH2412SC	NMH2412SC	A	24	±12	83	16.17	16.09	15.97	15.79
580-NMH2415SC	NMH2415SC	A	24	±15	67	16.17	16.09	15.97	15.79
580-NMH4805SC	NMH4805SC	A	48	±5	200	16.17	16.09	15.97	15.79
580-NMH4809SC	NMH4809SC	A	48	±9	111	16.17	16.09	15.97	15.79
580-NMH4812SC	NMH4812SC	A	48	±12	83	16.17	16.09	15.97	15.79
580-NMH4815SC	NMH4815SC	A	48	±15	67	16.17	16.09	15.97	15.79
DIP									
580-NMH0505DC	NMH0505DC	B	5	±5	200	14.73	14.67	14.55	14.39
580-NMH0509DC	NMH0509DC	B	5	±9	111	14.73	14.67	14.55	14.39
580-NMH0512DC	NMH0512DC	B	5	±12	83	14.73	14.67	14.55	14.39
580-NMH0515DC	NMH0515DC	B	5	±15	67	14.73	14.67	14.55	14.39
580-NMH0524DC	NMH0524DC	B	5	24	480	14.73	14.67	14.55	14.39
580-NMH1205DC	NMH1205DC	B	12	±5	200	14.73	14.67	14.55	14.39
580-NMH1209DC	NMH1209DC	B	12	±9	111	14.73	14.67	14.55	14.39
580-NMH1212DC	NMH1212DC	B	12	±12	83	14.73	14.67	14.55	14.39
580-NMH1215DC	NMH1215DC	B	12	±15	67	14.73	14.67	14.55	14.39
580-NMH2409DC	NMH2409DC	B	24	±9	111	16.98	16.90	16.78	16.58
580-NMH2412DC	NMH2412DC	B	24	±12	83	16.98	16.90	16.78	16.58
580-NMH2415DC	NMH2415DC	B	24	±15	67	16.98	16.90	16.78	16.58
580-NMH4805DC	NMH4805DC	B	48	±5	200	16.98	16.90	16.78	16.58
580-NMH4809DC	NMH4809DC	B	48	±9	111	16.98	16.90	16.78	16.58
580-NMH4812DC	NMH4812DC	B	48	±12	83	16.98	16.90	16.78	16.58
580-NMH4815DC	NMH4815DC	B	48	±15	67	16.98	16.90	16.78	16.58

NML SERIES, 2W SINGLE OUTPUT

The NML is the smallest footprint 2 watt DC-DC Converter currently available.

- 1KVDC isolation
- UL 94V-0 package material
- Toroidal magnetics
- Efficiency to 85%
- No heatsink required
- Fully encapsulated
- RoHS Compliant

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	25	50	100
SIP									
580-NML0505SC	NML0505SC	C	5	5	400	14.04	13.98	13.88	13.71
580-NML0509SC	NML0509SC	C	5	5	222	14.04	13.98	13.88	13.71
580-NML0512SC	NML0512SC	C	5	12	167	14.04	13.98	13.88	13.71
580-NML0515SC	NML0515SC	C	5	15	133	14.04	13.98	13.88	13.71
580-NML1205SC	NML1205SC	C	12	5	400	14.04	13.98	13.88	13.71
580-NML1212SC	NML1212SC	C	12	12	167	14.04	13.98	13.88	13.71
580-NML1215SC	NML1215SC	C	12	15	133	14.04	13.98	13.88	13.71

NDL SERIES, ISOLATED 2W WIDE INPUT SINGLE OUTPUT

The NDL series is a range of high performance miniature DC-DC converters having regulated outputs over the wide temperature range of -40°C to 85°C with no power derating.

- 2:1 wide range voltage input
- 0.5% regulation
- RoHS Compliant
- External control
- Continuous short circuit protection with current foldback
- 1KVDC isolation

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
580-NDL0505SC	NDL0505SC	D	4.5-9	5	400	21.07	20.97	20.82	20.59
580-NDL0509SC	NDL0509SC	D	4.5-9	9	222	21.07	20.97	20.82	20.59
580-NDL0512SC	NDL0512SC	D	4.5-9	12	167	21.07	20.97	20.82	20.59
580-NDL0515SC	NDL0515SC	D	4.5-9	15	134	21.07	20.97	20.82	20.59
580-NDL1205SC	NDL1205SC	D	9-18	5	400	21.07	20.97	20.82	20.59
580-NDL1209SC	NDL1209SC	D	9-18	9	222	21.07	20.97	20.82	20.59
580-NDL1212SC	NDL1212SC	D	9-18	12	167	21.07	20.97	20.82	20.59
580-NDL1215SC	NDL1215SC	D	9-18	15	134	21.07	20.97	20.82	20.59
580-NDL2405SC	NDL2405SC	D	18-36	5	400	21.07	20.97	20.82	20.59
580-NDL2409SC	NDL2409SC	D	18-36	9	222	21.07	20.97	20.82	20.59
580-NDL2412SC	NDL2412SC	D	18-36	12	167	21.07	20.97	20.82	20.59
580-NDL2415SC	NDL2415SC	D	18-36	15	134	21.07	20.97	20.82	20.59
580-NDL4805SC	NDL4805SC	D	36-72	5	400	21.07	20.97	20.82	20.59
580-NDL4809SC	NDL4809SC	D	36-72	9	222	21.07	20.97	20.82	20.59
580-NDL4812SC	NDL4812SC	D	36-72	12	167	21.07	20.97	20.82	20.59
580-NDL4815SC	NDL4815SC	D	36-72	15	134	21.07	20.97	20.82	20.59

NTH SERIES, 2W DUAL OUTPUT

The NTH series of miniature surface mounted DC-DC converters employ leadframe technology and transfer moulding techniques to bring all of the benefits of IC style packaging to hybrid circuitry.

- 1KVDC isolation
- No heatsink required
- Operating temperature range -40°C to 85°C
- Internal SMD construction
- MTTF up to 2.1 million hours
- Efficiency to 84%
- RoHS Compliant

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10	25
580-NTH0505MC	NTH0505MC	E	5	±5	200	14.04	13.98	13.88	13.71
580-NTH0509MC	NTH0509MC	E	5	±9	111	14.04	13.98	13.88	13.71
580-NTH0512MC	NTH0512MC	E	5	±12	83	14.04	13.98	13.88	13.71
580-NTH0515MC	NTH0515MC	E	5	±15	67	14.04	13.98	13.88	13.71
580-NTH1205MC	NTH1205MC	E	12	±5	200	14.04	13.98	13.88	13.71
580-NTH1209MC	NTH1209MC	E	12	±9	111	14.04	13.98	13.88	13.71
580-NTH1212MC	NTH1212MC	E	12	±12	83	14.04	13.98	13.88	13.71
580-NTH1215MC	NTH1215MC	E	12	±15	67	14.04	13.98	13.88	13.71

NMS SERIES, 6KVDC ISOLATED 2W DUAL OUTPUT

The NMS series of DC-DC converters are fully certified to BS EN 60950, this makes them ideal for all telecom and safety applications where approved isolation is required.

- BS EN 60950 certified
- Efficiency to 80%
- RoHS Compliant
- 6KVDC isolation
- UL 94V-O package material
- No external components required

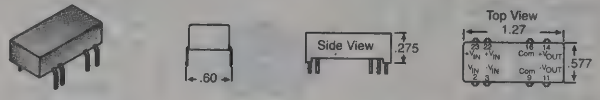
RoHS Compliant

For quantities of 25 and up, call for quote.

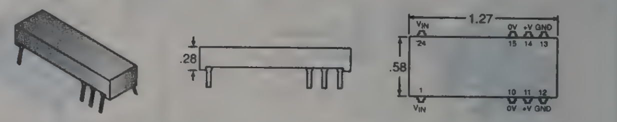
MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each 1	5	10
580-NMS0505C	NMS0505C	F	5	±5	200	22.47	22.36	22.21
580-NMS0509C	NMS0509C	F	5	±9	111	22.47	22.36	22.21
580-NMS0512C	NMS0512C	F	5	±12	83	22.47	22.36	22.21
580-NMS0515C	NMS0515C	F	5	±15	67	22.47	22.36	22.21
580-NMS1205C	NMS1205C	F	12	±5	200	22.47	22.36	22.21
580-NMS1209C	NMS1209C	F	12	±9	111	22.47	22.36	22.21
580-NMS1212C	NMS1212C	F	12	±12	83	22.47	22.36	22.21
580-NMS1215C	NMS1215C	F	12	±15	67	22.47	22.36	22.21

DIMENSIONS: in.

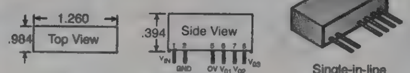
A



B

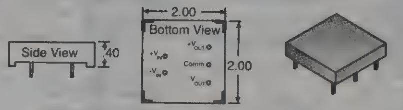


C

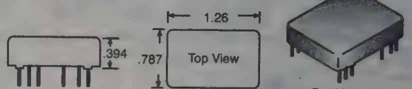


Single-in-line Package (SIP-8)

D



E



Dual-in-line Package (DIP-24)

NDT SERIES, 3W ISOLATED WIDE INPUT SINGLE AND DUAL OUTPUT

Low profile DC-DC converters offering dual outputs over a 2:1 input voltage range. All parts deliver up to 85°C without heat-sinking.

RoHS Compliant

- Industry standard pinout
- 1kVDC isolation
- Input range: 24V: 18~36VDC; 48V: 36~75VDC
- Dual isolated output
- Efficiency to 81%
- Short circuit protection
- RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)		Price Each		
					Min.	Max.	1	5	10
Single Output									
580-NDTS0503C	NDTS0503C	A	5	3.3	227	909	**16.98**	**16.90**	**16.78**
580-NDTS0505C	NDTS0505C	A	5	5	150	600	**16.98**	**16.90**	**16.78**
580-NDTS0512C	NDTS0512C	A	5	12	63	250	**16.98**	**16.90**	**16.78**
580-NDTS0515C	NDTS0515C	A	5	15	50	200	**16.98**	**16.90**	**16.78**
580-NDTS1203C	NDTS1203C	A	12	3.3	227	909	**16.98**	**16.90**	**16.78**
580-NDTS1205C	NDTS1205C	A	12	5	150	600	**16.98**	**16.90**	**16.78**
580-NDTS1212C	NDTS1212C	A	12	12	63	250	**16.98**	**16.90**	**16.78**
580-NDTS1215C	NDTS1215C	A	12	15	50	200	**16.98**	**16.90**	**16.78**
580-NDTS2403C	NDTS2403C	A	24	3.3	227	909	**16.98**	**16.90**	**16.78**
580-NDTS2405C	NDTS2405C	A	24	5	150	600	**16.98**	**16.90**	**16.78**
580-NDTS2412C	NDTS2412C	A	24	12	63	250	**16.98**	**16.90**	**16.78**
580-NDTS2415C	NDTS2415C	A	24	15	50	200	**16.98**	**16.90**	**16.78**
580-NDTS4803C	NDTS4803C	A	48	3.3	227	909	**16.98**	**16.90**	**16.78**
580-NDTS4805C	NDTS4805C	A	48	5	150	600	**16.98**	**16.90**	**16.78**
580-NDTS4812C	NDTS4812C	A	48	12	63	250	**16.98**	**16.90**	**16.78**
580-NDTS4815C	NDTS4815C	A	48	15	50	200	**16.98**	**16.90**	**16.78**
Dual Output									
580-NDTD0503C	NDTD0503C	A	5	3.3	±113	±454	**17.82**	**17.74**	**17.61**
580-NDTD0505C	NDTD0505C	A	5	5	±75	±300	**17.82**	**17.74**	**17.61**
580-NDTD0512C	NDTD0512C	A	5	12	±31	±125	**17.82**	**17.74**	**17.61**
580-NDTD0515C	NDTD0515C	A	5	15	±25	±100	**17.82**	**17.74**	**17.61**
580-NDTD1203C	NDTD1203C	A	12	3.3	±113	±454	**17.82**	**17.74**	**17.61**
580-NDTD1205C	NDTD1205C	A	12	5	±75	±300	**17.82**	**17.74**	**17.61**
580-NDTD1212C	NDTD1212C	A	12	12	±31	±125	**17.82**	**17.74**	**17.61**
580-NDTD1215C	NDTD1215C	A	12	15	±25	±100	**17.82**	**17.74**	**17.61**
580-NDTD2403C	NDTD2403C	A	24	3.3	±113	±454	**17.82**	**17.74**	**17.61**
580-NDTD2405C	NDTD2405C	A	24	5	±75	±300	**17.82**	**17.74**	**17.61**
580-NDTD2412C	NDTD2412C	A	24	12	±31	±125	**17.82**	**17.74**	**17.61**
580-NDTD2415C	NDTD2415C	A	24	15	±125	±100	**17.82**	**17.74**	**17.61**
580-NDTD4803C	NDTD4803C	A	48	3.3	±113	±454	**17.82**	**17.74**	**17.61**
580-NDTD4805C	NDTD4805C	A	48	5	±75	±300	**17.82**	**17.74**	**17.61**
580-NDTD4812C	NDTD4812C	A	48	12	±31	±125	**17.82**	**17.74**	**17.61**
580-NDTD4815C	NDTD4815C	A	48	15	±25	±100	**17.82**	**17.74**	**17.61**

NDY SERIES, 3W WIDE INPUT SINGLE OUTPUT

A range of low profile converters offering a single regulated output over a 2:1 input voltage range.

- 1KVDC isolation
- Efficiency to 83%
- UL 94V-0 package material
- No heatsink required
- Toroidal magnetics
- Fully encapsulated
- RoHS Compliant

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each		
						1	5	10
DIP								
580-NDY0505C	NDY0505C	B	4.5-9	5	400-600	**16.98**	**16.90**	**16.78**
580-NDY0509C	NDY0509C	B	4.5-9	9	222-333	**16.98**	**16.90**	**16.78**
580-NDY0512C	NDY0512C	B	4.5-9	12	166-250	**16.98**	**16.90**	**16.78**
580-NDY0515C	NDY0515C	B	4.5-9	15	133-200	**16.98**	**16.90**	**16.78**
580-NDY1205C	NDY1205C	B	12	5	600	**16.98**	**16.90**	**16.78**
580-NDY1209C	NDY1209C	B	12	9	333	**16.98**	**16.90**	**16.78**
580-NDY1212C	NDY1212C	B	12	12	250	**16.98**	**16.90**	**16.78**
580-NDY1215C	NDY1215C	B	12	15	200	**16.98**	**16.90**	**16.78**
580-NDY2403C	NDY2403C	B	24	3.3	909	**16.98**	**16.90**	**16.78**
580-NDY2405C	NDY2405C	B	24	5	600	**16.98**	**16.90**	**16.78**
580-NDY2409C	NDY2409C	B	24	9	333	**16.98**	**16.90**	**16.78**
580-NDY2412C	NDY2412C	B	24	12	250	**16.98**	**16.90**	**16.78**
580-NDY2415C	NDY2415C	B	24	15	200	**16.98**	**16.90**	**16.78**
580-NDY4803C	NDY4803C	B	48	3.3	909	**16.98**	**16.90**	**16.78**
580-NDY4805C	NDY4805C	B	48	5	600	**16.98**	**16.90**	**16.78**
580-NDY4809C	NDY4809C	B	48	9	333	**16.98**	**16.90**	**16.78**
580-NDY4812C	NDY4812C	B	48	12	250	**16.98**	**16.90**	**16.78**
580-NDY4815C	NDY4815C	B	48	15	200	**16.98**	**16.90**	**16.78**

NMT SERIES, 3W TRIPLE OUTPUT

This series is a range of DC-DC converters offering three output voltages of -24V, -48V, and -72V from a single isolated 5V or 12V input voltage. This product is packaged in an 8 pin SIP case for minimum PCB footprint.

- Triple outputs (-24V, -48V, and -72V)
- Power sharing on outputs
- UL 94-V-0 package material
- Toroidal magnetics
- Input/output isolation 1KVDC
- RoHS Compliant

RoHS Compliant

* Io assumes all 3 channels are equally loaded

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)	Price Each		
						1	5	10
580-NMT0572SC	NMT0572SC	C	5	-24 -48 -72	42 21 14	**14.45**	**14.39**	**14.27**
580-NMT0572SZC	NMT0572SZC	C	5	-24 -48 -72	42 21 14	**15.18**	**15.11**	**14.99**
580-NMT1272SC	NMT1272SC	C	12	-24 -48 -72	42 21 14	**14.45**	**14.39**	**14.27**

PWR1546A, 5W REGULATED DUAL OUTPUT

- RoHS Compliant
- 750VDC isolation
- 1mV p-p maximum output noise
- Short-circuit protection
- Six-sided shielding
- Internal input and output filtering
- Fully regulated
- Efficiency: 60% typ.

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (A)	Price Each			
						1	25	50	100
580-PWR1546AC	PWR1546AC	D	5	±15	167	**90.96**	**88.22**	**76.88**	**73.60**

WP06R SERIES, 5-6W SINGLE AND DUAL OUTPUT

The WP06R series is a family of high performance DC-DC converters that offer regulated output power over three input voltage ranges of 9-18V, 18-36V, and 34-75V and over a wide operating temperature range of -40°C to +100°C without derating.

- 2:1 Input voltage range
- Metal Case
- Overvoltage protection
- Short circuit protection
- Temperature shutdown

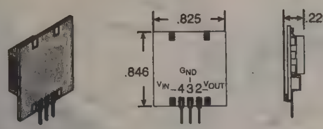
RoHS Compliant

For quantities of 100 and up, call for quote.

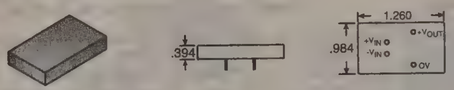
MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (mA)		Price Each		
					min	max	1	25	50
Single Output									
580-WP06R12S05NC	WP06R12S05NC	E	12	5	100	1000	**28.76**	**27.90**	**24.31**
580-WP06R24S05NC	WP06R24S05NC	E	24	5	100	1000	**28.76**	**27.90**	**24.31**
580-WP06R24S12NC	WP06R24S12NC	E	24	12	42	416	**28.76**	**27.90**	**24.31**
580-WP06R24S15NC	WP06R24S15NC	E	24	15	33	333	**28.76**	**27.90**	**24.31**
580-WP06R48S05NC	WP06R48S05NC	E	48	5	100	1000	**28.76**	**27.90**	**24.31**
580-WP06R48S12NC	WP06R48S12NC	E	48	12	42	416	**28.76**	**27.90**	**24.31**
Dual Output									
580-WP06R12D05NC	WP06R12D05NC	E	12	±5	50	500	**30.46**	**29.54**	**25.74**
580-WP06R12D12NC	WP06R12D12NC	E	12	±12	21	208	**30.46**	**29.54**	**25.74**
580-WP06R24D05NC	WP06R24D05NC	E	24	±5	50	500	**30.46**	**29.54**	**25.74**
580-WP06R24D12NC	WP06R24D12NC	E	24	±12	21	208	**30.46**	**29.54**	**25.74**
580-WP06R24D15NC	WP06R24D15NC	E	24	±15	17	167	**30.46**	**29.54**	**25.74**
580-WP06R48D15NC	WP06R48D15NC	E	48	±15	17	167	**30.46**	**29.54**	**25.74**

DIMENSIONS: In.

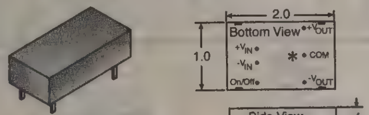
A



B

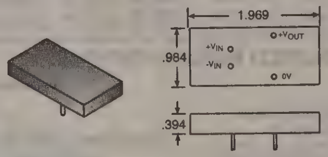


C

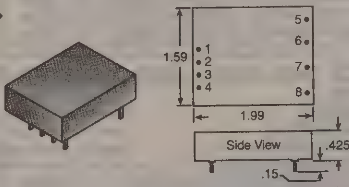


* Common pins are not present on single output models

D



E



NGA SERIES, 10W NON-ISOLATED SINGLE OUTPUT

The NGA series is a range of non-isolated, low profile DC-DC converters offering a single regulated output over a wide input voltage range.

- Short circuit protection
- Efficiency to 95%
- Operating temperature: -40°C to 85°C
- Wide input range -7.0 to 28VDC
- SMD construction
- RoHS Compliant

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (A)	Price Each 1	5	10	25
580-NGA10S15018SC	NGA10S15018SC	A	15	1.8	2.0	24.44	24.32	24.14	23.88
580-NGA10S15025SC	NGA10S15025SC	A	15	2.5	2.0	24.44	24.32	24.14	23.88
580-NGA10S15033SC	NGA10S15033SC	A	15	3.3	2.0	24.44	24.32	24.14	23.88
580-NGA10S15050SC	NGA10S15050SC	A	15	5	2.0	24.44	24.32	24.14	23.88

NPH SERIES, 10W SINGLE OUTPUT

This series combines ease of application with versatility. The pin pattern is based on the popular industry standard, but two additional pins may optionally be fitted to provide a variety of feature not commonly found on units of this type.

- High efficiency to 86%
- 1.5 kV input/output isolation
- Industry standard pinout
- Operation to zero load
- Surge rating to 12W
- Protected against load faults
- UL 94V-0 package material
- RoHS Compliant

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (A)	Price Each 1	5	10	25
580-NPH10S2403IC	NPH10S2403IC	B	24	3.4	2.94	36.18	36.00	35.76	35.36
580-NPH10S2405IC	NPH10S2405IC	B	24	5.1	1.96	36.18	36.00	35.76	35.36
580-NPH10S2412IC	NPH10S2412IC	B	24	12.1	.83	36.18	36.00	35.76	35.36
580-NPH10S2415IC	NPH10S2415IC	B	24	15.1	.67	36.18	36.00	35.76	35.36
580-NPH10S4803IC	NPH10S4803IC	B	48	3.4	2.94	36.18	36.00	35.76	35.36
580-NPH10S4805IC	NPH10S4805IC	B	48	5.1	1.96	36.18	36.00	35.76	35.36
580-NPH10S4812IC	NPH10S4812IC	B	48	12.1	.83	36.18	36.00	35.76	35.36
580-NPH10S4815IC	NPH10S4815IC	B	48	15.1	.67	36.18	36.00	35.76	35.36

WPC10R SERIES, 10W SINGLE AND DUAL OUTPUT

The WPC10R series is a family of high performance DC-DC converters that offer regulated outputs over two input voltage ranges of 18 - 36 and 28 - 75V and over a wide operating temperature range of -40°C to +100°C without derating.

RoHS Compliant

- Industry standard package
- Short circuit protection
- Temperature shutdown
- Low radiated emissions

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Output (mA) Min. Load	Rated Load	Price Each 1	5	10
Single Output									
580-WPC10R24S03NC	WPC10R24S03NC	C	24	3.3	300	3000	32.15	31.99	31.76
580-WPC10R24S05NC	WPC10R24S05NC	C	24	5	200	2000	32.15	31.99	31.76
580-WPC10R24S12NC	WPC10R24S12NC	C	24	12	83	833	32.15	31.99	31.76
580-WPC10R48S03NC	WPC10R48S03NC	C	48	3.3	300	3000	32.15	31.99	31.76
580-WPC10R48S05NC	WPC10R48S05NC	C	48	5	200	2000	32.15	31.99	31.76
580-WPC10R48S12NC	WPC10R48S12NC	C	48	12	83	833	32.15	31.99	31.76
Dual Output									
580-WPC10R48D05NC	WPC10R48D05NC	C	48	±5	100	1000	32.15	31.99	31.76

NPH SERIES, 15W SINGLE OUTPUT

This series combines ease of application with versatility. The pin pattern is based on the popular industry standard, but two additional pins may optionally be fitted to provide a variety of features not commonly found on units of this type.

- High efficiency to 89%
- 1.5KV input to output isolation
- UL 1950 Recognized (E179522)
- Industry standard pinout
- Constant 350KHZ frequency
- Operation to zero load
- Protected against all load faults
- RoHS Compliant

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (A)	Price Each 1	5	10	25
580-NPH15S2403IC	NPH15S2403IC	D	24	3.4	4.4	48.13	47.88	47.55	47.03
580-NPH15S2405IC	NPH15S2405IC	D	24	5.1	3.0	48.13	47.88	47.55	47.03
580-NPH15S2412IC	NPH15S2412IC	D	24	12.1	1.3	48.13	47.88	47.55	47.03
580-NPH15S2415IC	NPH15S2415IC	D	24	15.1	1.0	48.13	47.88	47.55	47.03
580-NPH15S4803IC	NPH15S4803IC	D	48	3.4	4.4	48.13	47.88	47.55	47.03
580-NPH15S4805IC	NPH15S4805IC	D	48	5.1	3.0	48.13	47.88	47.55	47.03
580-NPH15S4812IC	NPH15S4812IC	D	48	12.1	1.3	48.13	47.88	47.55	47.03
580-NPH15S4815IC	NPH15S4815IC	D	48	15.1	1.0	48.13	47.88	47.55	47.03

WPN20R SERIES, 20W SINGLE AND DUAL OUTPUT

The WPN20R series is a family of high performance DC-DC converters available in three input voltage ranges of 9 - 18V, 18 - 36V, and 33 - 75V. The 300KHz switching frequency and forward converter technology provide excellent performance across all line and load conditions.

- RoHS Compliant
- Industry standard pinout
- Remote on/off function
- Short circuit protection
- Zero load operation

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	(A) Typ.	Price Each 1	25	50	100
Single Output									
580-WPN20R12S03C	WPN20R12S03C	E	12	3.3	6.00	33.50	33.33	33.10	32.73
580-WPN20R12S05C	WPN20R12S05C	E	12	5.0	4.00	40.27	39.06	34.03	32.58
580-WPN20R12S12C	WPN20R12S12C	E	12	12.0	1.66	40.27	39.06	34.03	32.58
580-WPN20R24S03C	WPN20R24S03C	E	24	3.3	6.00	33.50	33.33	33.10	32.73
580-WPN20R24S05C	WPN20R24S05C	E	24	5.0	4.00	40.27	39.06	34.03	32.58
580-WPN20R24S12C	WPN20R24S12C	E	24	12.0	1.66	30.46	29.12	27.89	26.40
580-WPN20R48S03C	WPN20R48S03C	E	48	3.3	6.00	33.50	33.33	33.10	32.73
580-WPN20R48S05C	WPN20R48S05C	E	48	5.0	4.00	33.50	33.33	33.10	32.73
580-WPN20R48S12C	WPN20R48S12C	E	48	12.0	1.66	40.27	39.06	34.03	32.58
Dual Output									
580-WPN20R12D05C	WPN20R12D05C	E	12	±5.0	2.00	33.50	33.33	33.10	32.73
580-WPN20R12D12C	WPN20R12D12C	E	12	±12.0	0.83	33.50	33.33	33.10	32.73
580-WPN20R12D15C	WPN20R12D15C	E	12	±15.0	0.67	40.27	39.06	34.03	32.58
580-WPN20R24D12C	WPN20R24D12C	E	24	±12.0	0.83	40.27	39.06	34.03	32.58
580-WPN20R24D15C	WPN20R24D15C	E	24	±15.0	0.67	40.27	39.06	34.03	32.58
580-WPN20R48D05C	WPN20R48D05C	E	48	±5.0	2.00	33.50	33.33	33.10	32.73
580-WPN20R48D12C	WPN20R48D12C	E	48	±12.0	0.83	33.50	33.33	33.10	32.73
580-WPN20R48D15C	WPN20R48D15C	E	48	±15.0	0.67	33.50	33.33	33.10	32.73

NPH SERIES, 25W SINGLE OUTPUT

This series of DC-DC Converters combines ease of application with versatility. Overload protection of the "constant current" type ensures start-up into complex load conditions. The copper case achieves efficient heat transfer and screening.

RoHS Compliant

- High efficiency to 89%
- 1.5KV input to output isolation
- UL 1950 Recognized (E179522)
- Industry standard pinout
- Constant 350KHZ frequency
- Operation to zero load
- Protected against all load faults
- RoHS Compliant

For quantities of 50 and up, call for quote.

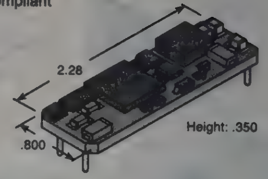
MOUSER STOCK NO.	C&D Part No.	Fig.	Input Volts	Output Volts	Io (A)	Price Each 1	5	10	25
580-NPH25S2403IC	NPH25S2403IC	D	24	3.4	7.3	54.98	54.70	54.32	53.71
580-NPH25S2405IC	NPH25S2405IC	D	24	5.1	5	54.98	54.70	54.32	53.71
580-NPH25S2412IC	NPH25S2412IC	D	24	12.1	2.1	54.98	54.70	54.32	53.71
580-NPH25S2415IC	NPH25S2415IC	D	24	15.1	1.7	54.98	54.70	54.32	53.71
580-NPH25S4803IC	NPH25S4803IC	D	48	3.4	7.3	54.98	54.70	54.32	53.71
580-NPH25S4805IC	NPH25S4805IC	D	48	5.1	5	54.98	54.70	54.32	53.71
580-NPH25S4812IC	NPH25S4812IC	D	48	12.1	2.1	54.98	54.70	54.32	53.71
580-NPH25S4815IC	NPH25S4815IC	D	48	15.1	1.7	54.98	54.70	54.32	53.71

E-CLASS 10-20A EIGHTH-BRICK ISOLATED SINGLE OUTPUT

- Negative logic
- Input range: 36-75V
- Isolated voltage: 1.5kVdc
- Monotonic start-up into pre-biased load
- μProcessor-controlled supervisory function
- Positive enable logic models and Surface Mount versions available- contact a Mouser Service Representative

DIMENSIONS: In.

RoHS Compliant



For quantities of 50 and up, call for quote.

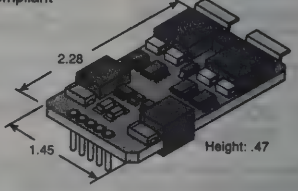
MOUSER STOCK NO.	C&D Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-EHS10-050-0CC	EHS10-050-0CC	50W	48V	5V	10A	56.50	56.00	55.54	54.75
580-EHS15-033-0CC	EHS15-033-0CC	50W	48V	3.3V	15A	56.46	56.00	55.54	54.75
580-EHS20-012-0CC	EHS20-012-0CC	24W	48V	1.2V	20A	62.10	61.10	59.50	58.10
580-EHS20-015-0CC	EHS20-015-0CC	30W	48V	1.5V	20A	62.10	61.10	59.50	58.10
580-EHS20-018-0CC	EHS20-018-0CC	36W	48V	1.8V	20A	62.10	61.10	59.50	58.10
580-EHS20-025-0CC	EHS20-025-0CC	50W	48V	2.5V	20A	62.10	61.10	59.50	58.10

Q-CLASS 12-55A QUARTER-BRICK ISOLATED SINGLE OUTPUT

- Negative logic
- Input range: 36-75V
- Isolated voltage: 1.5kVdc
- Thermal and overload protection
- Positive enable logic models and Surface Mount versions available- contact a Mouser Service Representative

DIMENSIONS: In.

RoHS Compliant



For quantities of 50 and up, call for quote.

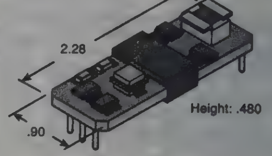
MOUSER STOCK NO.	C&D Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-QHS12-120-0CC	QHS12-120-0CC	144W	48V	12V	12A	81.50	80.78	80.12	78.98
580-QHS35-033-0CC	QHS35-033-0CC	116W	48V	3.3V	35A	110.72	100.65	89.29	85.17
580-QHS40-025-0CC	QHS40-025-0CC	100W	48V	2.5V	40A	110.72	100.65	89.29	85.17
580-QHS50-015-0CC	QHS50-015-0CC	75W	48V	1.5V	50A	98.20	97.31	96.51	95.14
580-QHS50-018-0CC	QHS50-018-0CC	90W	48V	1.8V	50A	96.30	95.47	94.69	93.34
580-QHS55-012-0CC	QHS55-012-0CC	66W	48V	1.2V	55A	98.20	97.31	96.51	95.14

IBA-INTERMEDIATE BUS CONVERTERS

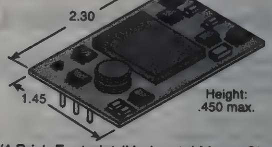
- Negative logic
- 4:1, 5:1, 6:1 fixed conversion ratios
- Over temperature and over current protection

DIMENSIONS: In.

RoHS Compliant



1/8 Brick Footprint



1/4 Brick Footprint (Horizontal Mount Shown)

1/8 Brick Footprint

- Isolated voltage: 2.25kVdc
- Input range: 36-55V

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-EUS15-120-NHCRC	EUS15-120-NHCRC	180W	48V	12V	15A	53.02	50.68	48.54	45.95
580-EUS20-120-NHCRC	EUS20-120-NHCRC	240W	48V	12V	20A	50.00	49.57	49.17	48.47
580-EUS25-096-NHCRC	EUS25-096-NHCRC	240W	48V	9.6V	25A	68.92	62.65	55.58	53.02

1/4 Brick Footprint

- Isolated voltage: 2kVdc
- Input range: 36-55V

For quantities of 50 and up, call for quote.

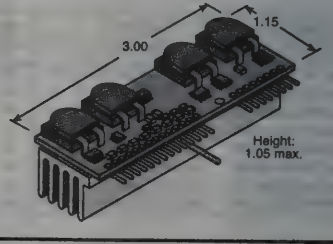
MOUSER STOCK NO.	C&D Part No.	Output Power	Input Voltage	Output Voltage	Output Current	Price Each			
						1	5	10	25
580-QUS20-120-NHDR	QUS20-120-NHDR	240W	48V	12V	20A	56.79	56.51	56.11	55.48
*580-QUS20-120-NVDR	QUS20-120-NVDR	240W	48V	12V	20A	56.79	56.51	56.11	55.48

* Vertical mount

NON-ISOLATED POINT-OF-LOAD MEMORY SUPPORT CONVERTERS

- Remote sense
- Output enable
- Vertical mount
- Not fuse protected
- Memory Spec: DDR1
- Input range: 10.8-12.6V
- Memory Spec: DDR1
- Input range: 10.8-12.6V
- Resistor programmable output range

DIMENSIONS: In.



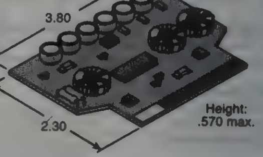
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Input Voltage	Output Voltage	Output Current	Price Each			
					1	5	10	25
580-VCN55025V-2C	VCN55025V-2C	12V	2.3-5.2V	55A	39.00	37.21	35.21	33.43
580-VCN75018V-1C	VCN75018VB-1C	12V	1.7-2.5V	75A	39.00	37.21	35.21	33.43

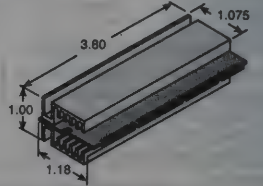
VRM 32-BIT PROCESSOR SUPPORT

- High efficiency
- Input fuse protection
- Card edge connector
- Short circuit protection
- Remote sense and enable
- Input range: 11.04-12.6V
- Active current sharing within 10%
- Wide range programmable output
- Meets VRM 9.1 requirements

DIMENSIONS: In.



1.075-1.85V



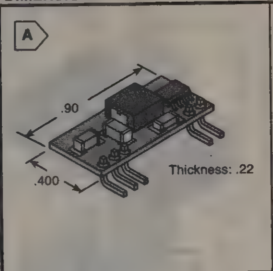
.8375-1.6V

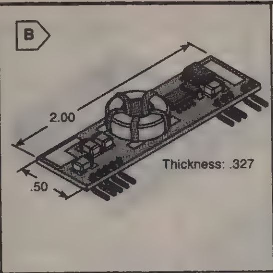
For quantities of 50 and up, call for quote.

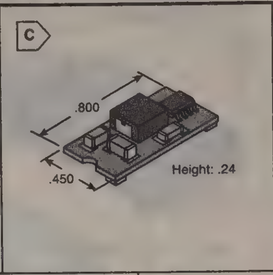
MOUSER STOCK NO.	C&D Part No.	Input Voltage	Output Voltage	Output Current	Price Each			
					1	5	10	25
580-VR091B080CS-1C	VR091B080CS-1C	12V	1.075-1.85V	80A	46.15	45.68	45.09	43.21
580-VR100B080CU-2C	VR100B080CU-2C	12V	.8375 - 1.6V	80A	46.15	45.68	45.09	43.21
580-VR102B120CS-2C	VR102B120CS-2C	12V	.8375 - 1.6V	120A	72.00	65.45	58.06	55.38
580-VR102B150CS-2C	VR102B150CS-2C	12V	.8375 - 1.6V	150A	72.00	65.45	58.06	55.38
580-VR102B150CU-2C	VR102B150CU-2C	12V	.8375 - 1.6V	150A	66.36	60.33	53.52	51.05
580-VR110B080CU-1C	VR110B080CU-1C	12V	.83125 -1.6V	80A	46.15	45.68	45.09	43.21
580-VR11CB080CU-1C	VR11CB080CU-1C	12V	.83125 -1.6V	80A	46.15	45.68	45.09	43.21
580-VR11CB150CU-1C	VR11CB150CU-1C	12V	.83125 -1.6V	150A	66.36	60.33	53.52	51.05

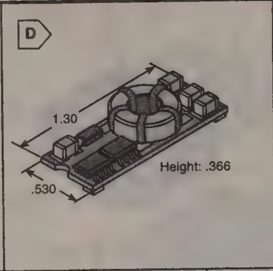
C&D TECHNOLOGIES DC-DC Converters

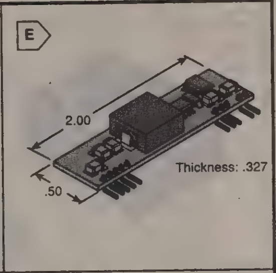
DIMENSIONS: in.

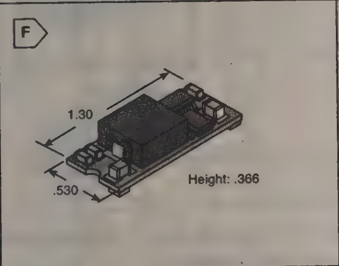
A


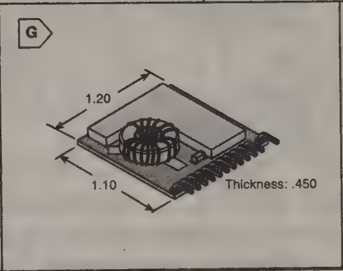
B


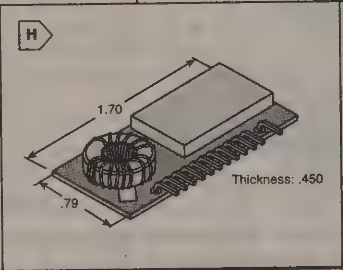
C


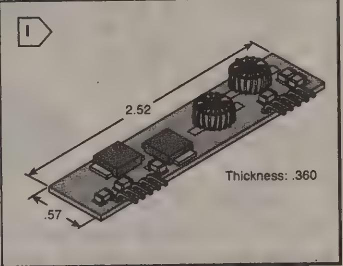
D


E


F


G


H


I


VOLANT NON-ISOLATED POINT-OF-LOAD SERIES

- High reliability
- Pre-Bias monotonic start
- Positive or negative enable logic available
- Over temperature and over current protection
- Output voltage programmable by an external resistor
- CSA C22.2, No. 60950/UL 60950 Approvals

RoHS Compliant

NCA Series
• Input: 5V (3-5.5V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each		
						1	5	10
SIP († Negative Logic, *Positive Logic)								
† 580-NCA0051330B0C	NCA0051330B0C	A	16.5W	0.75-3.3V	5A	11.98	11.41	11.06
* 580-NCA0151331B0C	NCA0151331B0C	B	50W	0.75-3.3V	15A	17.34	17.25	17.13
Surface Mount († Negative Logic, *Positive Logic)								
† 580-NCA0051330S0C	NCA0051330S0C	C	16.5W	0.75-3.3V	5A	11.98	11.41	11.06
* 580-NCA0151331S0C	NCA0151331S0C	D	50W	0.75-3.3V	15A	19.52	18.66	17.87

NEA Series
• Input: 12V (8.3-14V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each		
						1	5	10
Positive Logic SIP								
580-NEA0051501B0C	NEA0051501B0C	A	25W	0.75-5V	5A	11.98	11.41	11.06
580-NEA0101501B0C	NEA0101501B0C	E	50W	0.75-5V	10A	17.45	17.36	17.24
580-NEA0161501B0C	NEA0161501B0C	E	80W	0.75-5V	16A	19.61	19.51	19.37
Positive Logic Surface Mount								
580-NEA0051501S0C	NEA0051501S0C	C	25W	0.75-5V	5A	11.98	11.41	11.06
580-NEA0101501S0C	NEA0101501S0C	F	50W	0.75-5V	10A	15.55	15.47	15.36
580-NEA0161501S0C	NEA0161501S0C	F	80W	0.75-5V	16A	18.93	18.84	18.70

NFA Series
• Input 12V (6-14V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each		
						1	5	10
Positive Logic SIP								
580-NFA0101501B0C	NFA0101501B0C	E	50W	0.75-5V	10A	18.26	18.17	18.04
580-NFA0161501B0C	NFA0161501B0C	E	80W	0.75-5V	16A	25.38	23.07	20.47
Positive Logic Surface Mount								
580-NFA0101501S0C	NFA0101501S0C	F	50W	0.75-5V	10A	23.26	21.15	18.76
580-NFA0161501S0C	NFA0161501S0C	F	80W	0.75-5V	16A	20.29	20.19	20.05

NCF Series
• Input: 5V (3-5.5V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each		
						1	5	10
Negative Logic SIP								
580-NCF0100100B0C	NCF0100100B0C	B	10W	1V	10A	17.45	17.36	17.24
580-NCF0100120B0C	NCF0100120B0C	B	12W	1.2V	10A	17.45	17.36	17.24
580-NCF0100180B0C	NCF0100180B0C	B	18W	1.8V	10A	17.45	17.36	17.24
580-NCF0100200B0C	NCF0100200B0C	B	20W	2V	10A	17.45	17.36	17.24
580-NCF0100250B0C	NCF0100250B0C	B	25W	2.5V	10A	17.45	17.36	17.24
580-NCF0100330B0C	NCF0100330B0C	B	33W	3.3V	10A	17.45	17.36	17.24

NEF Series
• Input 12V (8-14V)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig	Output Power	Output Voltage	Io (mA)	Price Each		
						1	5	10
Positive Logic SIP								
580-NEF0100101B0C	NEF0100101B0C	E	10W	1V	10A	23.26	21.15	18.76
580-NEF0100121B0C	NEF0100121B0C	E	12W	1.2V	10A	23.26	21.15	18.76
580-NEF0100151B0C	NEF0100151B0C	E	15W	1.5V	10A	23.26	21.15	18.76
580-NEF0100181B0C	NEF0100181B0C	E	18W	1.8V	10A	23.26	21.15	18.76
580-NEF0100201B0C	NEF0100201B0C	E	20W	2V	10A	23.26	21.15	18.76
580-NEF0100251B0C	NEF0100251B0C	E	25W	2.5V	10A	23.26	21.15	18.76
580-NEF0100331B0C	NEF0100331B0C	E	33W	3.3V	10A	17.45	17.36	17.24
580-NEF0100501B0C	NEF0100501B0C	E	50W	5V	10A	17.45	17.36	17.24
Positive Logic Surface Mount								
580-NEF0100101S0C	NEF0100101S0C	F	10W	1V	10A	23.26	21.15	18.76
580-NEF0100121S0C	NEF0100121S0C	F	12W	1.2V	10A	23.26	21.15	18.76
580-NEF0100151S0C	NEF0100151S0C	F	15W	1.5V	10A	23.26	21.15	18.76
580-NEF0100181S0C	NEF0100181S0C	F	18W	1.8V	10A	23.26	21.15	18.76
580-NEF0100201S0C	NEF0100201S0C	F	20W	2V	10A	23.26	21.15	18.76
580-NEF0100251S0C	NEF0100251S0C	F	25W	2.5V	10A	23.26	21.15	18.76
580-NEF0100331S0C	NEF0100331S0C	F	33W	3.3V	10A	15.55	15.47	15.36
580-NEF0100501S0C	NEF0100501S0C	F	50W	5V	10A	23.26	21.15	18.76

POSTAGE STAMP CONVERTERS NON-ISOLATED POINT-OF-LOAD

- Not fuse protected
- Load regulation ±0.5%
- Back Bias protection
- Vertical top side pins
- Short circuit protection
- Output voltage programmable by an external resistor
- Horizontal mount available
  contact a Mouser Service Representative

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig	Output Power	Input Voltage		Output Voltage	Output Current	Efficiency	Price Each			
				Nom.	Range				1	5	10	25
580-S016-1220120FB	S016-1220120-FB	G	45W	12V	10.8-12.6V	1.2-5.0V	16A	90%	17.58	17.49	17.37	17.18
580-S020-1220120FB	S020-1220120-FB	H	55W	12V	10.8-12.6V	1.2-5.0V	20A	93%	19.61	19.51	19.37	19.16

1ST GENERATION SIP'S NON-ISOLATED POINT-OF-LOAD

- Not fuse protected
- Vertical top side pins
- MTBF 8.11 million hours
- Regulation ± 0.4% Line and Load
- Industry standard pin configuration

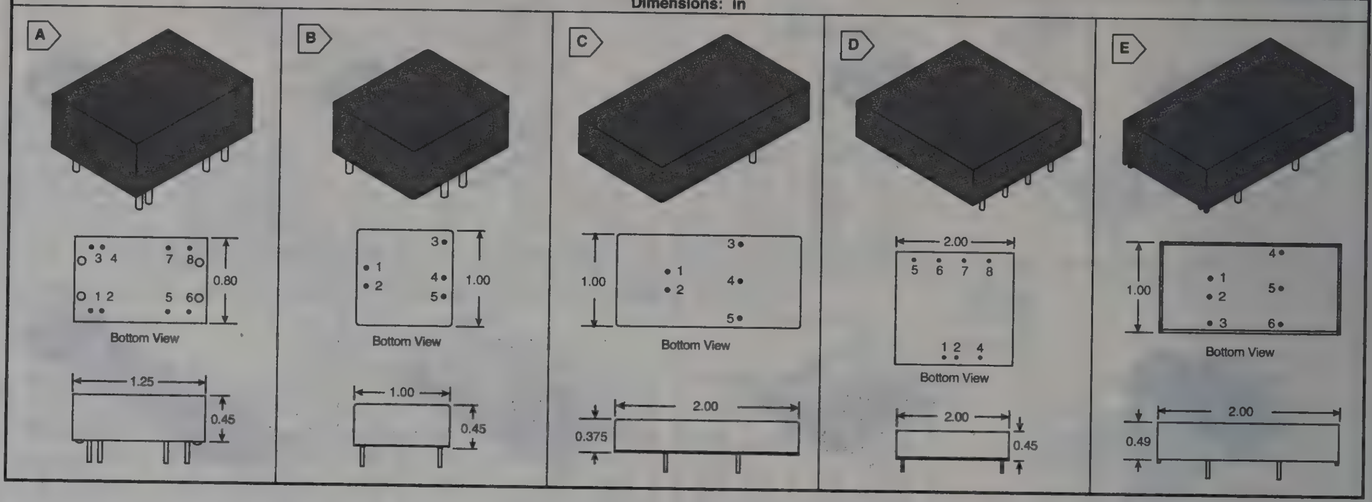
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	C&D Part No.	Fig	Output Power	Input Voltage		Output Voltage	Output Current	Efficiency	Price Each			
				Nom.	Range				1	5	10	25
580-SBST-03205007B	SBST-0320500-7B	I	25W	3.3V	3-3.6V	5V	5A	80%	22.30	22.19	22.03	21.79

C&D TECHNOLOGIES DC-DC Converters

This page of product is compliant.

Dimensions: In



DATEL UST SERIES, 3W ISOLATED SINGLE OUTPUT

Features:
- Standard DIP package and pinout
- Fully isolated, 1000VDC guaranteed
- Guaranteed efficiencies to 73%
- Internal input/output filtering
- UL1950, C22.2 No. 950, and IEC950 certified

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UST5-500-D5-C	UST-5/500-D5-C	A	5 (4.5-9)	5	500mA	32.00	31.50	31.00
580-UST12-250-D5-C	UST-12/250-D5-C	A	5 (4.5-9)	12	250mA	28.60	28.40	28.20
580-UST5-500-D12-C	UST-5/500-D12-C	A	12 (9-18)	5	500mA	32.00	31.50	31.00
580-UST12-250-D12-C	UST-12/250-D12-C	A	12 (9-18)	12	250mA	28.60	28.40	28.20
580-UST15-200-D12-C	UST-15/200-D12-C	A	12 (9-18)	15	200mA	32.00	32.00	31.00
580-UST5-500-D48-C	UST-5/500-D48-C	A	48 (18-72)	5	500mA	32.00	31.50	31.00
580-UST12-250-D48-C	UST-12/250-D48-C	A	48 (18-72)	12	250mA	28.60	28.40	28.20
580-UST15-200-D48-C	UST-15/200-D48-C	A	48 (18-72)	15	200mA	32.00	32.00	31.00

DATEL BST SERIES, 3W ISOLATED DUAL OUTPUT

Features:
- 1000VDC isolation
- Wide range input voltages
- Guaranteed efficiencies to 75%
- Internal input/output filtering
- UL1950, C22.2 No. 950, and IEC950 certified

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-BST-12-105-D5-C	BST-12/105-D5-C	A	5 (4.5-9)	±12	±105mA	28.60	28.40	28.20
580-BST-15-85-D5-C	BST-15/85-D5-C	A	5 (4.5-9)	±15	±85mA	32.00	31.50	31.00
580-BST-5-250-D12-C	BST-5/250-D12-C	A	12 (9-18)	±5	±250mA	32.00	31.50	31.00
580-BST-12-125-D12-C	BST-12/125-D12-C	A	12 (9-18)	±12	±125mA	28.60	28.40	28.20
580-BST-15-100-D12-C	BST-15/100-D12-C	A	12 (9-18)	±15	±100mA	32.00	31.50	31.00
580-BST-5-250-D48-C	BST-5/250-D48-C	A	48 (18-72)	±5	±250mA	32.00	31.50	31.00
580-BST-12-125-D48-C	BST-12/125-D48-C	A	48 (18-72)	±12	±125mA	28.60	28.40	28.20
580-BST-15-100-D48-C	BST-15/100-D48-C	A	48 (18-72)	±15	±100mA	32.00	31.50	31.00

DATEL UWR SERIES, 3-5W ISOLATED SINGLE OUTPUT

Features:
- Fully isolated, 1000VDC guaranteed
- No external components required
- Industry-standard pinout
- Guaranteed efficiency to 90%
- UL 1950, CSA 22.2 No. 234, and IEC 950 certified

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UWR5-500-D5-C	UWR-5/500-D5-C	A	5 (4.5-9)	5	500mA	44.00	43.00	42.00
580-UWR5-500-D12-C	UWR-5/500-D12-C	A	12 (9-18)	5	500mA	44.00	44.00	42.00
580-UWR5-1000-D24-C	UWR-5/1000-D24-C	B	24 (18-36)	5	1000mA	57.00	56.00	55.00
580-UWR12-420-D24-C	UWR-12/420-D24-C	B	24 (18-36)	12	420mA	38.60	38.40	38.20
580-UWR15-335-D24-C	UWR-15/335-D24-C	B	24 (18-36)	15	335mA	57.00	56.00	55.00
580-UWR5-500-D48-C	UWR-5/500-D48-C	A	48 (18-72)	5	500mA	44.00	43.00	42.00
580-UWR5-1000-D48-C	UWR-5/1000-D48-C	B	48 (36-72)	5	1000mA	57.00	57.00	55.00
580-UWR12-250-D48-C	UWR-12/250-D48-C	A	48 (18-72)	12	250mA	44.00	43.00	42.00

DATEL BWR SERIES, 3-5W ISOLATED DUAL OUTPUT

- No external components required
- Fully isolated, 1000VDC guaranteed
- EMI/EMC characterized
- Industry-standard pinout

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-BWR12-105-D5-C	BWR-12/105-D5-C	A	5 (4.5-9)	±12	±105mA	44.00	43.00	42.00
580-BWR15-85-D5-C	BWR-15/85-D5-C	A	5 (4.5-9)	±15	±85mA	44.00	43.00	42.00
580-BWR5-250-D12-C	BWR-5/250-D12-C	A	12 (9-18)	±5	±250mA	44.00	43.00	42.00
580-BWR12-125-D12-C	BWR-12/125-D12-C	A	12 (9-18)	±12	±125mA	44.00	43.00	42.00
580-BWR15-100-D12-C	BWR-15/100-D12-C	A	12 (9-18)	±15	±100mA	44.00	43.00	42.00
580-BWR5-500-D24-C	BWR-5/500-D24-C	B	24 (18-36)	±5	±500mA	57.00	57.00	55.00
580-BWR12-210-D24-C	BWR-12/210-D24-C	B	24 (18-36)	±12	±210mA	38.60	38.40	38.20
580-BWR15-165-D24-C	BWR-15/165-D24-C	B	24 (18-36)	±15	±165mA	57.00	56.00	55.00
580-BWR15-165-D48-C	BWR-15/165-D48-C	B	48 (36-72)	±15	±165mA	57.00	56.00	55.00
580-BWR5-250-D48-C	BWR-5/250-D48-C	A	48 (18-72)	±5	±250mA	44.00	43.00	42.00
580-BWR15-100-D48-C	BWR-15/100-D48-C	A	48 (18-72)	±12	±100mA	44.00	43.00	42.00
580-BWR12-125-D48-C	BWR-12/125-D48-C	A	48 (18-72)	±12	±125mA	44.00	43.00	42.00

DATEL A-SERIES, UWR MODELS, 8-40W ISOLATED SINGLE OUTPUT

Features:
- Fully isolated, 1500VDC guaranteed
- Industry-standard pinouts
- Guaranteed efficiencies to 90%

RoHS Compliant

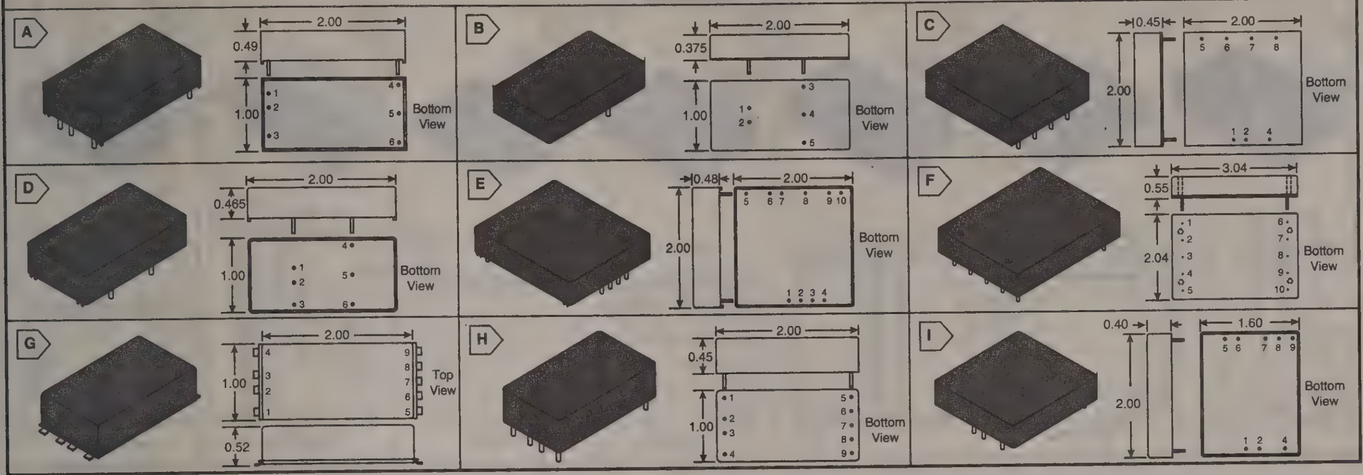
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts	Output Volts	Output Current	Price Each		
						1	5	10
580-UWR5-1600-D5A-C	UWR-5/1600-D5A-C	C	5	5	1.6A	69.00	68.00	67.00
580-UWR5-3000-D5A-C	UWR-5/3000-D5A-C	D	5	5	3A	84.00	84.00	81.00
580-UWR5.2-1500-D5AC	UWR-5.2/1500-D5AC	C	5	5.2	1.5A	84.00	81.37	78.75
580-UWR12-665-D5AC	UWR-12/665-D5AC	C	5	12	665mA	95.45	87.50	80.77
580-UWR12-1250-D5AC	UWR-12/1250-D5AC	D	5	12	1.25A	106.91	98.00	90.46
580-UWR15-530-D5AC	UWR-15/530-D5AC	C	5	15	530mA	95.45	87.50	80.77
580-UWR1.5-6A-D12AC	UWR-1.5/6000-D12AC	E	12	1.5	6A	57.40	52.10	47.90
580-UWR2.5-6A-D12AC	UWR-2.5/6000-D12AC	E	12	2.5	6A	57.40	52.10	47.90
580-UWR3.3-4250-D12AC	UWR-3.3/4250-D12AC	E	12	3.3	4.25A	54.40	49.30	45.40
580-UWR5-2000-D12AC	UWR-5/2000-D12AC	C	12	5	2A	91.64	84.00	77.54
580-UWR5-3000-D12AC	UWR-5/3000-D12AC	E	12	5	3A	54.40	49.30	45.40
580-UWR5-4000-D12AC	UWR-5/4000-D12AC	D	12	5	4A	106.91	98.00	90.46
580-UWR5-7-D12AC	UWR-5/7-D12AC	D	12	5	7A	81.82	75.00	69.23
580-UWR12-830-D12AC	UWR-12/830-D12AC	C	12	12	830mA	95.45	87.50	80.77
580-UWR15-665-D12AC	UWR-15/665-D12AC	C	12	15	665mA	91.64	84.00	77.54
580-UWR15-1000-D12AC	UWR-15/1000-D12AC	E	12	15	1A	54.40	49.30	45.40
580-UWR3.3-4250-D24AC	UWR-3.3/4250-D24AC	E	24	3.3	4.25A	52.90	48.00	44.10
580-UWR3.3-4850-D12AC	UWR-3.3/4850-D12AC	D	24	3.3	4.85A	84.00	82.50	81.00
580-UWR5-2000-D24EC	UWR-5/2000-D24EC	C	24	5	2A	97.36	89.25	82.38
580-UWR5-3000-D24AC	UWR-5/3000-D24AC	E	24	5	3A	52.90	48.00	44.10
580-UWR5-8-D24AC	UWR-5/8-D24AC	D	24	5	8A	76.36	70.00	64.62
580-UWR12-1250-D24AC	UWR-12/1250-D24AC	E	24	12	1.25A	45.40	45.10	44.80
580-UWR12-1650-D12AC	UWR-12/1650-D12AC	D	24	12	1.65A	106.91	98.00	90.46
580-UWR15-1000-D24AC	UWR-15/1000-D24AC	E	24	15	1A	52.90	48.00	44.10
580-UWR15-1300-D12AC	UWR-15/1300-D12AC	D	24	15	1.3A	106.91	98.00	90.46
580-UWR3.3-4250D48ATC	UWR-3.3/4250-D48ATC	E	48	3.3	4.25A	54.40	49.30	45.40
580-UWR5-1800-D48AC	UWR-5/1800-D48AC	C	48	5	1.8A	95.45	87.50	80.77
580-UWR5-3000-D48AC	UWR-5/3000-D48AC	E	48	5	3A	52.90	48.00	44.10
580-UWR5-4000-D48AC	UWR-5/4000-D48AC	D	48	5	4A	116.45	106.75	98.54
580-UWR5-8-D48AC	UWR-5/8-D48AC	D	48	5	8A	64.90	58.90	54.20
580-UWR12-750-D48AC	UWR-12/750-D48AC	C	48	12	750mA	95.45	87.50	80.77
580-UWR12-1250-D48AC	UWR-12/1250-D48AC	E	48	12	1.25A	45.40	45.10	44.80
580-UWR12-1650-D48AC	UWR-12/1650-D48AC	D	48	12	1.65A	88.20	88.20	85.05
580-UWR15-600-D48AC	UWR-15/600-D48AC	C	48	15	600mA	95.45	87.50	80.77
580-UWR15-1000-D48AC	UWR-15/1000-D48AC	E	48	15	1A	52.90	48.00	44.10
580-UWR15-1300-D48AC	UWR-15/1300-D48AC	D	48	15	1.3A	116.45	106.75	98.54

C&D TECHNOLOGIES DC-DC Converters

RoHS Compliant **This page of product is compliant.**

Dimensions: in.



DATEL UEP SERIES, 15-18W ISOLATED SINGLE OUTPUT

Features:
- Fully isolated 1500VDC, I/O protected
- Efficiencies to 89%
- UL1950/EN60950 certified
- Trim and On/Off control

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UEP3.3-4500-D12C	UEP-3.3/4500-D12C	A	12 (10-18)	3.3	4.5A	**69.09**	**63.33**	**58.46**
580-UEP5-3500-D12C	UEP-5/3500-D12C	A	12 (10-18)	5	3.5A	**57.40**	**52.10**	**47.90**
580-UEP3.3-4500-D24C	UEP-3.3/4500-D24C	A	24 (18-36)	3.3	4.5A	**69.09**	**63.33**	**58.46**
580-UEP5-3500-D24C	UEP-5/3500-D24C	A	24 (18-36)	5	3.5A	**55.90**	**50.70**	**46.60**
580-UEP12-1400-D24C	UEP-12/1400-D24C	A	24 (18-36)	12	1.4A	**48.70**	**48.40**	**48.10**
580-UEP15-1200-D24C	UEP-15/1200-D24C	A	24 (18-36)	15	1.2A	**55.90**	**50.70**	**46.60**

DATEL A-SERIES, BWR MODELS, 7-33W ISOLATED DUAL OUTPUT

RoHS Compliant

Features:
- Industry-standard pinouts
- Fully isolated, 1500VDC guaranteed
- Guaranteed efficiencies to 82%
- Designed to meet UL/EN60950

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts	Output Volts	Output Current	Price Each		
						1	5	10
580-BWR5-700-D5A-C	BWR-5/700-D5A-C	B	5	±5	±700mA	**94.51**	**86.63**	**79.97**
580-BWR5-1500-D5A-C	BWR-5/1500-D5A-C	C	5	±5	±1500mA	**126.00**	**115.50**	**106.62**
580-BWR12-335-D5A-C	BWR-12/335-D5A-C	B	5	±12	±335mA	**94.51**	**86.63**	**79.97**
580-BWR12-625-D5A-C	BWR-12/625-D5A-C	C	5	±12	±625mA	**126.00**	**115.50**	**106.62**
580-BWR15-275-D5A-C	BWR-15/275-D5A-C	B	5	±15	±275mA	**72.45**	**72.45**	**70.35**
580-BWR15-500-D5A-C	BWR-15/500-D5A-C	C	5	±15	±500mA	**126.00**	**115.50**	**106.62**
580-BWR5-900-D12A-C	BWR-5/900-D12A-C	B	12	±5	±900mA	**94.51**	**86.63**	**79.97**
580-BWR5-1500-D12AC	BWR-5/1500-D12AC	D	12	±5	±1500mA	**57.40**	**52.10**	**47.90**
580-BWR12-415-D12A-C	BWR-12/415-D12A-C	B	12	±12	±415mA	**94.51**	**86.63**	**79.97**
580-BWR12-725-D12AC	BWR-12/725-D12AC	D	12	±12	±725mA	**47.00**	**46.80**	**46.50**
580-BWR15-330-D12A-C	BWR-15/330-D12A-C	B	12	±15	±330mA	**94.51**	**86.63**	**79.97**
580-BWR5-1700-D12A-C	BWR-5/1700-D12A-C	C	24	±5	±1700mA	**114.55**	**105.00**	**96.92**
580-BWR5-1500-D24A-C	BWR-5/1500-D24AC	D	24	±5	±1500mA	**55.90**	**50.70**	**46.60**
580-BWR12-830-D12A-C	BWR-12/830-D12A-C	C	24	±12	±830mA	**98.00**	**95.00**	**88.00**
580-BWR12-725-D24AC	BWR-12/725-D24AC	D	24	±12	±725mA	**69.09**	**63.33**	**58.46**
580-BWR15-670-D12A-C	BWR-15/670-D12A-C	C	24	±15	±670mA	**114.55**	**105.00**	**96.92**
580-BR15-575-D24A-C	BWR-15/575-D24A-C	D	24	±15	±575mA	**70.00**	**64.17**	**59.23**
580-BWR5-700-D48A-C	BWR-5/700-D48AC-C	B	48	±5	±700mA	**93.55**	**85.75**	**79.15**
580-BWR5-1700-D48AC	BWR-5/1700-D48AC	C	48	±5	±1700mA	**84.00**	**82.50**	**81.00**
580-BWR12-415-D48A-C	BWR-12/415-D48A-C	B	48	±12	±415mA	**93.55**	**85.75**	**79.15**
580-BWR12-830-D48A-C	BWR-12/830-D48A-C	C	48	±12	±830mA	**123.15**	**112.88**	**104.20**
580-BWR15-330-D48A-C	BWR-15/330-D48A-C	B	48	±15	±330mA	**93.55**	**85.75**	**79.15**
580-BWR15-575-D48AC	BWR-15/575-D48AC	D	48	±15	±575mA	**55.90**	**50.70**	**46.60**
580-BWR15-670-D48A-C	BWR-15/670-D48A-C	C	48	±15	±670mA	**123.15**	**112.88**	**104.20**
580-BWR5-3.3-D12-C	BWR-5/6-3.3/7-D12-C	C	12	5 3.3	6A 7A	**92.40**	**84.70**	**78.18**
580-BWR5-3.3-D24A-C	BWR-5/3-3.3/4.25-D24A-C	E	24	5 3.3	3A 4.25A	**85.45**	**78.33**	**72.31**
580-BWR5-3.3-D24-C	BWR-5/6-3.3/7-D24-C	C	24	5 3.3	6A 7A	**90.47**	**82.93**	**76.55**

DATEL UMP SERIES, 25-35W ISOLATED SINGLE OUTPUT

Features:
- Fully isolated, 1500VDC guaranteed
- Standard pinout, smaller size
- Efficiency to 86%
- Meets UL1950/EN60950 (basic insulation)

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UMP5-5-Q12-C	UMP-5/5-Q12-C	F	24 (10-36)	5	5A	**162.27**	**148.75**	**137.31**
580-UMP5-7-D24-C	UMP-5/7-D24-C	F	24 (18-36)	5	7A	**150.82**	**138.25**	**127.62**

DATEL DSM/DWR SERIES, 15W ISOLATED DUAL OUTPUT

Features:
- 1"x2" SMT or through-hole package
- Fully isolated, 1500VDC guaranteed
- UL/EN60950 safety approvals
- Efficiency to 85%

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-DSM5-3.3-D12-C	DSM-5/2.65-3.3/3-D12-C	G	12 (10-18)	5 3.3	2.65A 3.00A	**75.45**	**69.17**	**63.85**
580-DSM5-3.3-D24-C	DSM-5/2.65-3.3/3-D24-C	G	24 (18-36)	5 3.3	2.65A 3.00A	**73.64**	**67.50**	**62.31**
580-DWR5-3.3-D24-C	DWR-5/2.65-3.3/3-D24-C	H	24 (18-36)	5 3.3	2.65A 3.00A	**73.64**	**67.50**	**62.31**

DATEL UHE SERIES, 25-30W ISOLATED SINGLE OUTPUT

Features:
- Small 1.6" x 2" package with standard 2" x 2" pinout
- 1500VDC isolation
- "Q" models offer wide input ranges
- Stable no-load operation
- Thermal shutdown, I/O protected
- Efficiencies as high as 91.5%
- UL/EN60950 certified

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UHE12-2500-D12C	UHE-12/2500-D12C	I	12 (9-18)	12	2.5A	**69.09**	**63.33**	**58.46**
580-UHE15-2000-D12C	UHE-15/2000-D12C	I	12 (9-18)	15	2A	**69.09**	**63.33**	**58.46**
580-UHE12-2500-D24C	UHE-12/2500-D24C	I	24 (18-36)	12	2.5A	**70.91**	**65.00**	**60.00**
580-UHE15-2000-D24C	UHE-15/2000-D24C	I	24 (18-36	15	2A	**70.91**	**65.00**	**60.00**
580-UHE3.3-7500-D48C	UHE-3.3/7500-D48C	I	48 (36-75)	3.3	7.5A	**58.90**	**53.40**	**49.10**
580-UHE12-2500-D48C	UHE-12/2500-D48C	I	48 (36-75)	12	2.5A	**64.55**	**59.17**	**54.62**
580-UHE15-2000-D48C	UHE-15/2000-D48C	I	48 (36-75)	15	2A	**58.90**	**53.40**	**49.10**
580-UHE3.3-7500-Q12C	UHE-3.3/7500-Q12C	I	12 (9-36)	3.3	7.5A	**73.64**	**67.50**	**62.31**
580-UHE5-5000-Q12C	UHE-5/5000-Q12C	I	12 (9-36)	5	5A	**73.64**	**67.50**	**62.31**
580-UHE12-2500-Q12C	UHE-12/2500-Q12C	I	12 (9-36)	12	2.5A	**73.64**	**67.50**	**62.31**
580-UHE15-2000-Q12C	UHE-15/2000-Q12C	I	24 (9-36)	15	2A	**73.64**	**67.50**	**62.31**
580-UHE3.3-7500-Q48C	UHE-3.3/7500-Q48C	I	48 (18-75)	3.3	7.5A	**69.09**	**63.33**	**58.46**
580-UHE5-5000-Q48C	UHE-5/5000-Q48C	I	48 (18-75)	5	5A	**69.09**	**63.33**	**58.46**
580-UHE12-2500-Q48C	UHE-12/2500-Q48C	I	48 (18-75)	12	2.5A	**69.09**	**63.33**	**58.46**
580-UHE15-2000-Q48C	UHE-15/2000-Q48C	I	48 (18-75)	15	2A	**69.09**	**63.33**	**58.46**

DATEL BMP SERIES, 39-40W ISOLATED DUAL OUTPUT

Features:
- Standard pinout, small size
- Fully isolated, 1500VDC guaranteed
- Efficiencies to 88%
- Meets UL1950/EN60950 (basic insulation)

RoHS Compliant

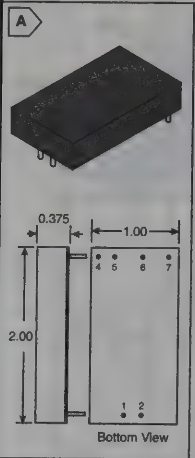
For quantities of 25 and up, call for quote.

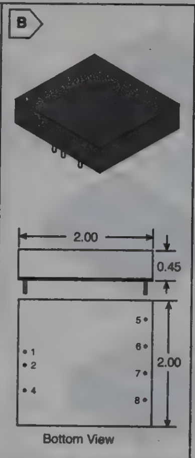
MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-BMP5-4-D24-C	BMP-5/4-D24-C	F	24 (18-36)	±5	±4A	**156.55**	**143.50**	**132.46**
580-BMP12-1.65-D24-C	BMP-12/1.65-D24-C	F	24 (18-36)	±12	±1.65A	**156.55**	**143.50**	**132.46**
580-BMP15-1.3-D24-C	BMP-15/1.3-D24-C	F	24 (18-36)	±15	±1.3A	**143.49**	**141.97**	**141.18**
580-BMP15-1.3-D48-C	BMP-15/1.3-D48-C	F	48 (36-75)	±15	±1.3A	**157.51**	**144.38**	**133.28**
580-BMP12-165-Q12-C	BMP-12/1.65-Q12-C	F	24 (10-36)	±12	±1.65A	**116.48**	**114.66**	**107.00**
580-BMP15-1.3-Q12-C	BMP-15/1.3-Q12-C	F	24 (10-36)	±15	±1.3A	**162.75**	**149.18**	**137.71**
580-BMP15-1.3-Q48-C	BMP-15/1.3-Q48-C	F	48 (18-75)	±15	±1.3A	**150.82**	**138.25**	**127.62**

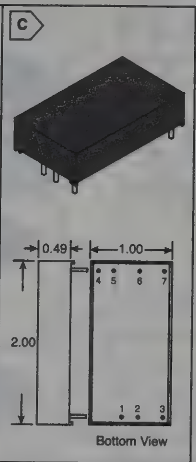
C&D TECHNOLOGIES DC-DC Converters

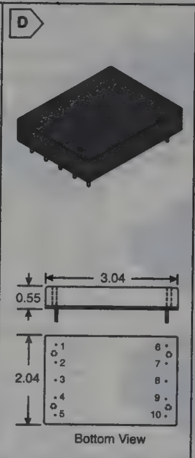
RoHS Compliant This page of product is compliant.

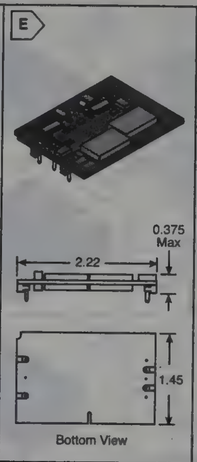
Dimensions: in.

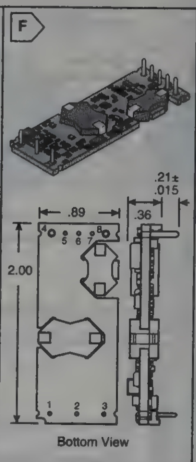


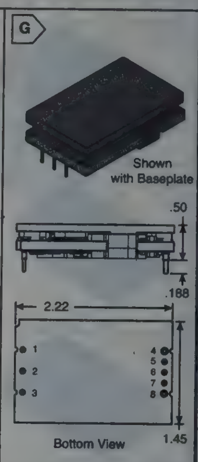












DATEL TWR SERIES, 8-22W ISOLATED TRIPLE OUTPUT

Features:

- Fully isolated, 1500VDC guaranteed
- Guaranteed efficiencies to 82%
- -40° to +100°C operating temperature
- 20W models allow "user-allocated" power among outputs
- Designed to meet UL 1950/EN60950

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts	Output Volts	Output Current	Price Each		
						1	5	10
580-TWR8-5-12-D5AC	TWR-5/1000-12/125-D5AC	A	5	5 ±12	1A ±125mA	94.51	86.63	79.97
580-TWR10-5-12-D12AC	TWR-5/1000-12/210-D12AC	A	12	5 ±12	1A ±210mA	100.24	91.88	84.82
580-TWR11-5-15-D12AC	TWR-5/1000-15/200-D12AC	A	12	5 ±15	1A ±200mA	100.24	91.88	84.82
580-TWR20-5-12-D12AC	TWR-5/3000-12/500-D12AC	B	12	5 ±12	3A ±500mA	88.00	86.50	85.00
580-TWR20-5-15-D12AC	TWR-5/3000-15/500-D12AC	B	12	5 ±15	3A ±500mA	88.00	86.50	85.00
580-TWR10-5-12-D24AC	TWR-5/1000-12/210-D24AC	A	12	5 ±12	1A ±210mA	72.00	71.00	70.00
580-TWR11-5-15-D24AC	TWR-5/1000-15/200-D24AC	A	24	5 ±15	1A ±200mA	97.36	89.25	82.38
580-TWR22-5-15D24C	TWR-5/3-15/250-D24C	C	24	5 ±15	3A 250mA	70.91	65.00	60.00
580-TWR12-5-12-D48AC	TWR-5/1200-12/250-D48AC	B	48	5 ±12	1.2A ±250mA	126.96	116.38	107.43
580-TWR12-5-15-D48AC	TWR-5/1000-15/250-D48AC	B	48	5 ±15	1A ±250mA	126.96	116.38	107.43
580-TWR15-5-15-D48AC	TWR-5/1500-15/250-D48AC	B	48	5 ±15	1.5A ±250mA	126.96	116.38	107.43
580-TWR20-5-12-D48AC	TWR-5/3000-12/500-D48AC	B	48	5 ±12	3A ±500mA	88.00	86.50	85.00
580-TWR20-5-15-D48AC	TWR-5/3000-15/500-D48AC	B	48	5 ±15	3A ±500mA	88.00	86.50	85.00
580-TWR10-5-12-D48AC	TWR-5/1000-12/210-D48AC	A	48	5 ±12	1A ±210mA	97.36	89.25	82.38

DATEL TMP SERIES, 25-35W ISOLATED TRIPLE OUTPUT

Features:

- Fully isolated, 1500VDC guaranteed
- Standard pinout, small size
- Efficiencies to 86%
- Meets UL1950 and EN60950 (basic insulation)

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-TMP5-12-Q12-C	TMP-5/5-12/1-Q12-C	D	24 (10-36)	5 ±12	5A ±1A	141.82	130.00	120.00
580-TMP5-15-Q12-C	TMP-5/5-15/1-Q12-C	D	24 (10-36)	5 ±15	5A ±1A	141.82	130.00	120.00
580-TMP5-12-D24-C	TMP-5/5-12/1-D24-C	D	24 (18-36)	5 ±12	5A ±1A	141.82	130.00	120.00
580-TMP5-15-D24-C	TMP-5/5-15/1-D24-C	D	24 (18-36)	5 ±15	5A ±1A	141.82	130.00	120.00
580-TMP5-12-Q48-C	TMP-5/5-12/1-Q48-C	D	48 (18-75)	5 ±12	5A ±1A	141.82	130.00	120.00
580-TMP5-15-Q48-C	TMP-5/5-15/1-Q48-C	D	48 (18-75)	5 ±15	5A ±1A	141.82	130.00	120.00

DATEL ULQ SERIES, 75-96W ISOLATED SINGLE OUTPUT

Features:

- Fully isolated, 2250VDC (basic)
- Standard quarter-brick package/pinout
- UL/EN/IEC60950 safety approvals
- Efficiency to 91%

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-ULQ5-15-D24P-C	ULQ-5/15-D24P-C	E	24 (18-36)	5	15A	83.64	76.67	70.77
580-ULQ12-8-D24N-C	ULQ-12/8-D24N-C	E	24 (18-36)	12	8A	83.64	76.67	70.77
580-ULQ12-8-D24P-C	ULQ-12/8-D24P-C	E	24 (18-36)	12	8A	83.64	76.67	70.77

DATEL ULE 20A MODELS, 24-60W ISOLATED SINGLE OUTPUT

NEW FROM SUPPLIER

Features:

- Output current2-30A
- Output Voltage 1.2V to 24V
- New 1/8 brick package
- Input voltage 1.2V,24V & 48V

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-ULE1.2-20-D24N-C	ULE-1.2/20-D24N-C	F	18-36V	1.2V	24W	71.82	65.83	60.77
580-ULE1.2-20-D24P-C	ULE-1.2/20-D24P-C	F	18-36V	1.2V	24W	71.82	65.83	60.77
580-ULE1.2-30-D48NMC	ULE-1.2/30-D48NM-C	F	36-75V	1.2V	36W	64.95	64.43	63.90
580-ULE3.3-20-D12P-C	ULE-3.3/20-D12P-C	F	10-18V	3.3V	60W	87.27	80.00	73.85
580-ULE3.3-20-D24P-C	ULE-3.3/20-D24P-C	F	18-36V	3.3V	60W	71.82	65.83	60.77
580-ULE5-10-D12P-C	ULE-5/10-D12P-C	F	10-18V	5V	50W	87.27	80.00	73.85
580-ULE5-12-D24P-C	ULE-5/12-D24P-C	F	18-36V	5V	60W	71.82	65.83	60.77
580-ULE5-12-D48NMC	ULE-5/12-D48NM-C	F	36-75V	5V	60W	64.95	64.43	63.90

DATEL UQQ MODEL, 7-25A ISOLATED WIDE INPUT SINGLE OUTPUT

NEW FROM SUPPLIER

Features:

- Standard quarter brick package
- 9-36V or 18-75V wide range inputs
- Output currents 7-25A

RoHS Compliant

* With Baseplate

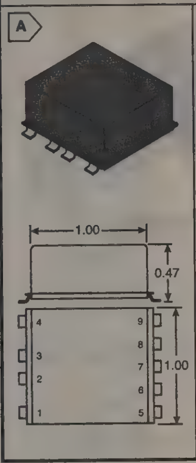
For quantities of 25 and up, call for quote.

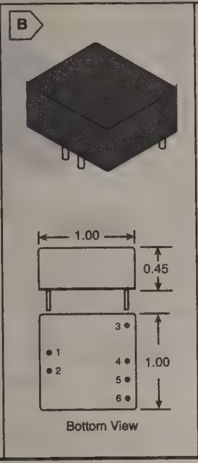
MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output		Price Each		
				Volts	Current	1	5	10
580-UQQ-12/8-Q12N-C	UQQ-12/8-Q12N-C	G	12V	12V	8A	132.87	121.80	112.43
580-UQQ-15/7-Q12N-C	UQQ-15/7-Q12N-C	G	12V	15V	5.6A	132.87	121.80	112.43
580-UQQ-3.325Q12P-C	UQQ-3.3/25-Q12P-C	G	12V	3.3V	25A	130.51	119.63	110.43
580-UQQ-5/20-Q48N-C	UQQ-5/20-Q48N-C	G	48V	5V	20A	125.76	115.28	106.42
*580-UQQ-517Q12NB-C	UQQ-5/17-Q12NB-C	G	12V	5V	17A	142.36	130.50	120.46
*580-UQQ15/7-Q12PB-C	UQQ-15/7-Q12PB-C	G	12V	15V	5.6A	140.00	128.33	118.46
*580-UQQ3325Q12PB-C	UQQ-3.3/25-Q12PB-C	G	12V	3.3V	25A	140.00	128.33	118.46
*580-UQQ3325Q48PB-C	UQQ-3.3/25-Q48PB-C	G	48V	3.3V	25	137.62	126.15	116.45

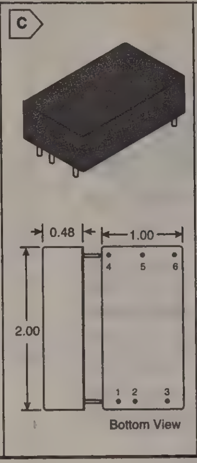
C&D TECHNOLOGIES Non-Isolated DC-DC Converters

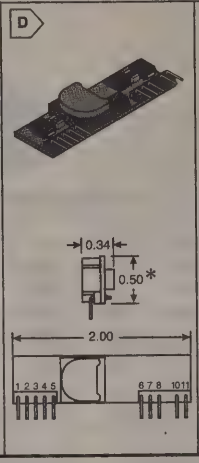
RoHS Compliant **This page of product is compliant.**

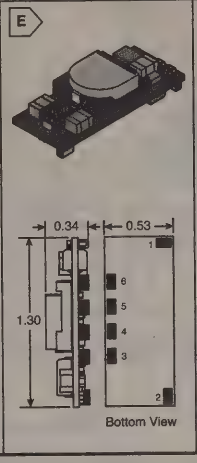
Dimensions: in.

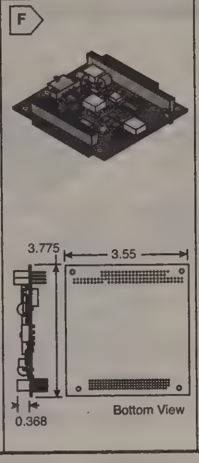


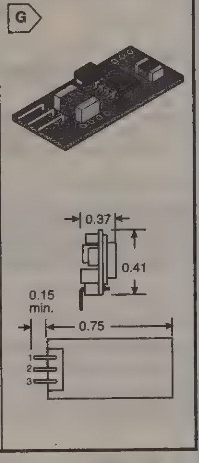












DATEL UNR SERIES, 10-25W NON-ISOLATED SINGLE OUTPUT

Features:
- Efficiencies to 91%
- On/off control; EMC compliant
- No external components required
- IEC60950/EN60950/UL1950 approvals
- Low output noise
- Quick transient response

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts Nom. (Range)	Out-put Volts	Output Current	Price Each		
						1	5	10
580-UNR2.5-2-D5SM	UNR-2.5/2-D5SM	A	5 (4.75-5.5)	2.5	2A	**34.09**	**31.25**	**28.85**
580-UNR3.3-3-D5-C	UNR-3.3/3-D5-C	B	5 (4.75-5.5)	3.3	3A	**34.09**	**31.25**	**28.85**
580-UNR3.3-3-D5SM	UNR-3.3/3-D5SM	A	5 (4.75-5.5)	3.3	3A	**28.70**	**26.00**	**23.90**
580-UNR3.3-3-D12SM-C	UNR-3.3/3-D12SM-C	A	12 (10.8-13.6)	3.3	3A	**34.09**	**31.25**	**28.85**
580-UNR5-5-D12-C	UNR-5/5-D12-C	C	12 (10.8-13.6)	5	5A	**60.75**	**55.68**	**51.40**

DATEL LSN SERIES, 10-53W NON-ISOLATED 10A SIP PACKAGE

Features:
- Industry-standard SIP pinout
- Stable no-load operation
- Trimmable output voltage
- EMC compliant
- Efficiencies to 94% @ 10A
- Remote on/off and sense pins
- Thermal shutdown
- UL/IEC/EN60950 certified

RoHS Compliant

† Reversed Pin

✱ Dimension = 0.55"

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-LSN1.2-10-D3-C	LSN-1.2/10-D3-C	D	3.3 (3.0-3.6)	1.2	10A	**22.73**	**20.83**	**19.23**
580-LSN1.5-10-D3-C	LSN-1.5/10-D3-C	D	3.3 (3.0-3.6)	1.5	10A	**22.73**	**20.83**	**19.23**
580-LSN1.8-10-D3-C	LSN-1.8/10-D3-C	D	3.3 (3.0-3.6)	1.8	10A	**22.73**	**20.83**	**19.23**
580-LSN2.5-10-D3-C	LSN-2.5/10-D3-C	D	3.3 (3.0-3.6)	2.5	10A	**22.73**	**20.83**	**19.23**
580-LSN1-10-D5-C	LSN-1/10-D5-C	D	5 (4.5-5.5)	1	10A	**22.73**	**20.83**	**19.23**
580-LSN1.2-10-D5-C	LSN-1.2/10-D5-C	D	5 (4.5-5.5)	1.2	10A	**22.73**	**20.83**	**19.23**
580-LSN1.5-10-D5-C	LSN-1.5/10-D5-C	D	5 (4.5-5.5)	1.5	10A	**22.73**	**20.83**	**19.23**
580-LSN1.8-10-D5-C	LSN-1.8/10-D5-C	D	5 (4.5-5.5)	1.8	10A	**22.73**	**20.83**	**19.23**
580-LSN2.5-10-D5-C	LSN-2.5/10-D5-C	D	5 (4.5-5.5)	2.5	10A	**22.73**	**20.83**	**19.23**
580-LSN3.3-10-D5-C	LSN-3.3/10-D5-C	D	5 (4.5-5.5)	3.3	10A	**22.73**	**20.83**	**19.23**
✱580-LSN1.2-10-D12-C	LSN-1.2/10-D12-C	D	12 (10.8-13.2)	1.2	10A	**22.73**	**20.83**	**19.23**
✱580-LSN1.5-10-D12-C	LSN-1.5/10-D12-C	D	12 (10.8-13.2)	1.5	10A	**22.73**	**20.83**	**19.23**
✱580-LSN1.8-10-D12-C	LSN-1.8/10-D12-C	D	12 (10.8-13.2)	1.8	10A	**22.73**	**20.83**	**19.23**
✱580-LSN2.5-10-D12-C	LSN-2.5/10-D12-C	D	12 (10.8-13.2)	2.5	10A	**22.73**	**20.83**	**19.23**
✱580-LSN3.3-10-D12-C	LSN-3.3/10-D12-C	D	12 (10.8-13.2)	3.3	10A	**22.73**	**20.83**	**19.23**
† 580-LSN3.3-16-D12J-C	LSN-3.3/16-D12J-C	D	12 (10-14)	3.3	16A	**20.82**	**20.66**	**20.49**
✱580-LSN5-10-D12-C	LSN-5/10-D12-C	D	12 (10.8-13.2)	5	10A	**22.73**	**20.83**	**19.23**

DATEL LSM SERIES, 15-50W NON-ISOLATED 10A SMT PACKAGE

Features:
- Step-down buck regulators with industry-standard SMT footprint
- Non-isolated, fixed-frequency, synchronous-rectifier topology
- Tape and reel SMT package
- Stable no-load operation
- Remote on/off control
- Sense pin and output voltage trim
- EMC compliant
- UL/IEC/EN60950 certified

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-LSM1.5-10-D5-C	LSM-1.5/10-D5-C	E	5 (4.5-5.5)	1.5	10A	**22.73**	**20.83**	**19.23**
580-LSM2.5-10-D5-C	LSM-2.5/10-D5-C	E	5 (4.5-5.5)	2.5	10A	**22.73**	**20.83**	**19.23**
580-LSM3.3-10-D5-C	LSM-3.3/10-D5-C	E	5 (4.5-5.5)	3.3	10A	**22.73**	**20.83**	**19.23**
580-LSM3.3-10-D12-C	LSM-3.3/10-D12-C	E	12 (10.8-13.2)	3.3	10A	**22.73**	**20.83**	**19.23**
580-LSM5-10-D12-C	LSM-5/10-D12-C	E	12 (10.8-13.2)	5	10A	**22.73**	**20.83**	**19.23**

DATEL MAPC-104 MODEL, 46W NON-ISOLATED TRIPLE OUTPUT

Designed to power the Cisco 3200 Mobile Access Router and is compliant to PC/104-Plus specifications.

Features:
- Reverse input voltage protection
- Automotive transient protection
- Efficiency to 92.5% @ full load
- Thermal shutdown with warning
- IEC/EN/UL60950 certified

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts Nom. (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-MAPC-104-C	MAPC-104-C	F	12 (9-32) 24 (9-32)	3.3 5.1 12	5A 5.46A 0.07A	**390.00**	**357.50**	**330.00**

DATEL 78SR SERIES, HIGH-EFFICIENCY SWITCHING REGULATORS WITH LM78XX PINOUTS

Features:
- Built-in filter capacotors
- Can be used with unregulated DC supplies
- Up to 95% efficiency

NEW FROM SUPPLIER

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-7803SR-C	7803SR-C	G	+7.5-36Vdc	+3.3Vdc	0.5A	**12.60**	**11.55**	**10.66**
580-7803SRH-C	7803SRH-C	G	+7.5-36Vdc	+3.3Vdc	0.5A	**12.60**	**11.55**	**10.66**
580-7805SR-C	7805SR-C	G	+7.5-36Vdc	+5.0Vdc	0.5A	**12.60**	**11.55**	**10.66**
580-7805SRH-C	7805SRH-C	G	+7.5-36Vdc	+5.0Vdc	0.5A	**12.60**	**11.55**	**10.66**
580-7812SR-C	7812SR-C	G	+15-36Vdc	+12.0Vdc	0.4A	**10.04**	**9.90**	**9.70**
580-7812SRH-C	7812SRH-C	G	+15-36Vdc	+12.0Vdc	0.4A	**10.04**	**9.90**	**9.70**

This page of product is compliant.

DATEL UCQ MODELS, 20-35A ISOLATED LOW PROFILE, SINGLE OUTPUT

Features:
- Standard quarter brick package
- 24V or 48V Nominal Input
- Low cost; Low profile 0.4"
- Outputs: 3.3V/30-35A or 5V/20A
- Interleaved synchronous-rectifier topology
- Outstanding thermal performance

RoHS Compliant

* with Baseplate

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-UCQ-128.3-D48P-C	UCQ-12/8.3-D48P-C	A	36-75V	12V	8.3A	75.00	68.75	63.46
580-UCQ-3.330-D48P-C	UCQ-3.3/30-D48P-C	A	36-75V	3.3V	30A	93.18	85.42	78.85
580-UCQ-3.335-D24P-C	UCQ-3.3/35-D24P-C	A	18-36V	3.3V	35A	97.73	89.58	82.69
* 580-UCQ-520-D48NB-C	UCQ-5/20-D48NB-C	A	36-75V	5V	20A	88.64	81.25	75.00
* 580-UCQ128.3D48PB-C	UCQ-12/8.3-D48PB-C	A	36-75V	12V	8.3A	84.09	77.08	71.15
* 580-UCQ3.330D48NB-C	UCQ-3.3/30-D48NB-C	A	36-75V	3.3V	30A	100.00	91.67	84.62
* 580-UCQ3.335D24PB-C	UCQ-3.3/35-D24PB-C	A	18-36V	3.3V	35A	106.82	97.92	90.38
* 580-UCQ3330-D48PB-C	UCQ-3.3/30-D48PB-C	A	36-75V	3.3V	30A	102.27	93.75	86.54

DATEL HPH SERIES, LOW V OUT TO 80A ISOLATED HALF BRICK SINGLE OUTPUT

Features:
- 3.3Vto 12V outputs @ up to 70 Amps
- Input range: 36V-75V (ETS 300 132-2)
- Open frame: 2.3" x 2.4" x 0.40"
- High efficiency: up to 94%

RoHS Compliant

* with Baseplate

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
580-HPH-3.370-D48N-C	HPH-3.3/70-D48N-C	B	36-75V	3.3V	70A	109.09	100.00	92.31
580-HPH-3.370-D48P-C	HPH-3.3/70-D48P-C	B	36-75V	3.3V	70A	111.36	102.08	94.23
580-HPH-5/40-D48N-C	HPH-5/40-D48N-C	B	36-75V	5V	40A	109.09	100.00	92.31
* 580-HPH-5/40-D48NB-C	HPH-5/40-D48NB-C	B	36-75V	5V	40A	118.18	108.33	100.00
580-HPH-5/40-D48P-C	HPH-5/40-D48P-C	B	36-75V	5V	40A	111.36	102.08	94.23
* 580-HPH-5/40-D48PB-C	HPH-5/40-D48PB-C	B	36-75V	5V	40A	120.45	110.42	101.92
* 580-HPH3.30-D48PB-C	HPH-3.3/70-D48PB-C	B	36-75V	3.3V	70A	120.45	110.42	101.92
* 580-HPH3.370-D48NB-C	HPH-3.3/70-D48NB-C	B	36-75V	3.3V	70A	118.18	108.33	100.00

DATEL UVQ SERIES, 2.5-40A ISOLATED LOW PROFILE QUARTER BRICK

Features:
- Standard quarter brick package
- 1.2 to 48 Volts ±10%
- Outputs from 1.2 to 48V up to 125W
- Low profile 0.42" height
- 24 and 48Vdc nominal inputs
- Outstanding thermal performance

RoHS Compliant

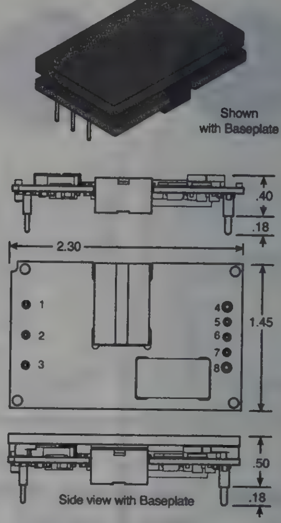
* with Baseplate

For quantities of 25 and up, call for quote.

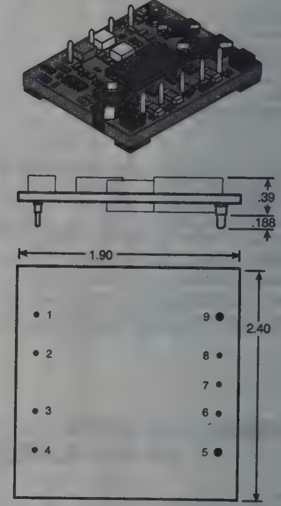
MOUSER STOCK NO.	Datel Part No.	Fig.	Input Volts (Range)	Output Volts	Output Current	Price Each		
						1	5	10
* 580-UVQ-5/20-D24NB-C	UVQ-5/20-D24NB-C	C	18-36V	5V	2A	110.91	101.67	93.85
580-UVQ-5/20-D24P-C	UVQ-5/20-D24P-C	C	18-36V	5V	24A	100.00	91.67	84.62
* 580-UVQ1.2-40-D48NBC	UVQ-1.2/40-D48NB-C	C	36-75V	1.2V	40A	103.64	95.00	87.69
580-UVQ1.2-40-D48P-C	UVQ-1.2/40-D48P-C	C	36-75V	1.2V	40A	96.36	88.33	81.54
* 580-UVQ1.5-40-D24NBC	UVQ-1.5/40-D24NB-C	C	18-36V	1.5V	40A	88.85	88.13	87.41
580-UVQ1.5-40-D24P-C	UVQ-1.5/40-D24P-C	C	18-36V	1.5V	40A	82.37	81.70	81.03
580-UVQ1.5-40-D48N-C	UVQ-1.5/40-D48N-C	C	36-75V	1.5V	40A	96.36	88.33	81.54
* 580-UVQ1.5-40-D48NBC	UVQ-1.5/40-D48NB-C	C	36-75V	1.5V	40A	103.64	95.00	87.69
580-UVQ1.8-40-D48N-C	UVQ-1.8/40-D48N-C	C	36-75V	1.8V	40A	96.36	88.33	81.54
* 580-UVQ1.8-40-D48NBC	UVQ-1.8/40-D48NB-C	C	36-75V	1.8V	40A	103.64	95.00	87.69
* 580-UVQ12-10-D48NB-C	UVQ-12/10-D48NB-C	C	36-75V	12V	10A	89.09	81.67	75.38
580-UVQ12-10-D48P-C	UVQ-12/10-D48P-C	C	36-75V	12V	10A	81.82	75.00	69.23
* 580-UVQ12-8-D24PB-C	UVQ-12/8-D24PB-C	C	18-36V	12V	7A	96.36	88.33	81.54
580-UVQ15-7-D48N-C	UVQ-15/7-D48N-C	C	36-75V	15V	7A	89.09	81.67	75.38
* 580-UVQ18-5.6-D24PBC	UVQ-18/5.6-D24PB-C	C	18-36V	18V	5.6A	116.36	106.67	98.46
580-UVQ18-6-D48N-C	UVQ-18/6-D48N-C	C	36-75V	18V	6A	100.00	91.67	84.62
580-UVQ2.5-35-D24N-C	UVQ-2.5/35-D24N-C	C	18-36V	2.5V	35A	96.36	88.33	81.54
* 580-UVQ2.5-35-D24NBC	UVQ-2.5/35-D24NB-C	C	18-36V	2.5V	35A	103.64	95.00	87.69
580-UVQ2.5-40-D48P-C	UVQ-2.5/40-D48P-C	C	36-75V	2.5V	40A	96.36	88.33	81.54
* 580-UVQ2.5-40-D48PBC	UVQ-2.5/40-D48PB-C	C	36-75V	2.5V	40A	103.64	95.00	87.69
580-UVQ24-4.5-D48N-C	UVQ-24/4.5-D48N-C	C	36-75V	24V	4.5A	100.00	91.67	84.62
* 580-UVQ24-4.5-D48NBC	UVQ-24/4.5-D48NB-C	C	36-75V	24V	4.5A	90.70	89.96	89.23
* 580-UVQ3.3-30-D24PBC	UVQ-3.3/30-D24PB-C	C	18-36V	3.3V	30A	103.64	95.00	87.69
580-UVQ3.3-35-D48N-C	UVQ-3.3/35-D48N-C	C	36-75V	3.3V	35A	96.36	88.33	81.54
* 580-UVQ48-2.5-D48PBC	UVQ-48/2.5-D48PB-C	C	36-75V	48V	2.5A	107.27	98.33	90.77
580-UVQ5-20-D48N-C	UVQ-5/20-D48N-C	C	36-75V	5V	20A	81.82	75.00	69.23

Dimensions: in.

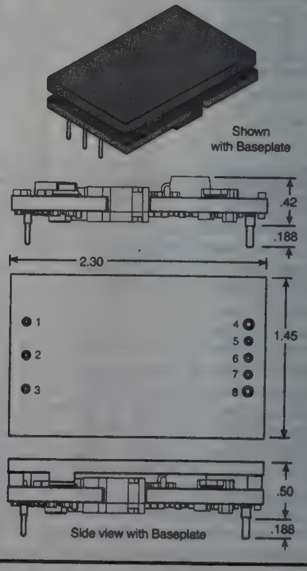
A



B

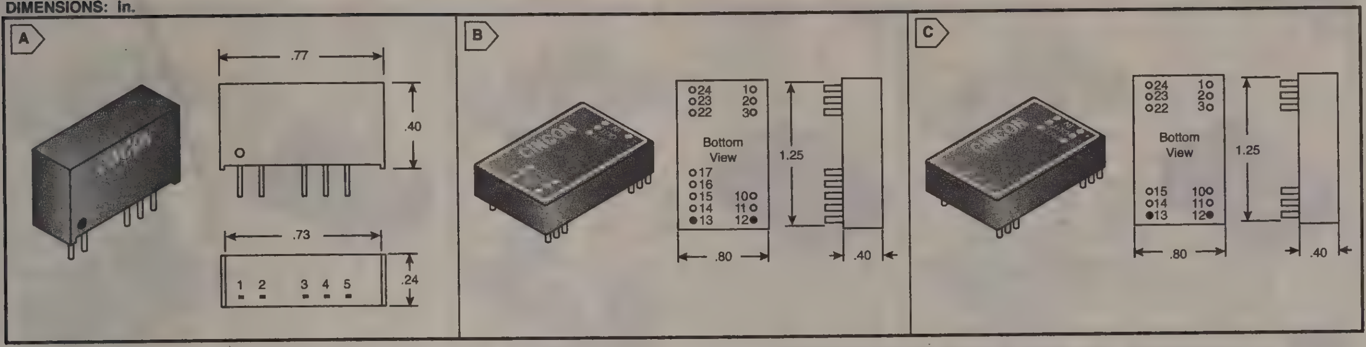


C



CINCON DC-DC Converters

DIMENSIONS: In.



EC1SA SERIES, 1W SINGLE AND DUAL OUTPUT

Features:
- Isolated voltage: 1K VDC
- Industry standard SIP and SMD packages
- Efficiency up to 82%
- Low cost
- Unregulated outputs
- Low ripple and noise

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC1SA01N	EC1SA01N	A	5	5	200mA	**8.62**	**8.26**	**7.72**
418-EC1SA02N	EC1SA02N	A	5	12	84mA	**8.62**	**8.26**	**7.72**
418-EC1SA03N	EC1SA03N	A	5	15	67mA	**8.62**	**8.26**	**7.72**
418-EC1SA11N	EC1SA11N	A	12	5	200mA	**8.62**	**8.26**	**7.72**
418-EC1SA12N	EC1SA12N	A	12	12	84mA	**8.62**	**8.26**	**7.72**
418-EC1SA13N	EC1SA13N	A	12	15	67mA	**8.62**	**8.26**	**7.72**
Dual Output								
418-EC1SA04N	EC1SA04N	A	5	±12	±42mA	**8.62**	**8.26**	**7.72**
418-EC1SA05N	EC1SA05N	A	5	±15	±33mA	**8.62**	**8.26**	**7.72**
418-EC1SA06N	EC1SA06N	A	5	±5	±100mA	**8.62**	**8.26**	**7.72**
418-EC1SA14N	EC1SA14N	A	12	±12	±42mA	**8.62**	**8.26**	**7.72**
418-EC1SA15N	EC1SA15N	A	12	±15	±33mA	**8.62**	**8.26**	**7.72**
418-EC1SA16N	EC1SA16N	A	12	±5	±100mA	**8.62**	**8.26**	**7.72**

EC2A SERIES, 1.5W SINGLE AND DUAL OUTPUT

Features:
- Isolated voltage: 500 VDC
- 24-Pin DIP package
- Regulated outputs
- 50% Efficiency
- Pi input filter
- Low ripple and noise
- Black coated copper with non-conductive base

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC2A01	EC2A01M	B	5	5	300 mA	**10.28**	**9.86**	**9.25**
418-EC2A02	EC2A02M	B	5	12	125 mA	**10.28**	**9.86**	**9.25**
418-EC2A03	EC2A03M	B	5	15	100 mA	**10.28**	**9.86**	**9.25**
418-EC2A11	EC2A11M	B	12	5	300 mA	**10.28**	**9.86**	**9.25**
418-EC2A12	EC2A12M	B	12	12	125 mA	**10.28**	**9.86**	**9.25**
418-EC2A13	EC2A13M	B	12	15	100 mA	**10.28**	**9.86**	**9.25**
418-EC2A21	EC2A21M	B	24	5	300 mA	**11.53**	**11.06**	**10.38**
418-EC2A22	EC2A22M	B	24	12	125 mA	**10.28**	**9.86**	**9.25**
418-EC2A23	EC2A23M	B	24	15	100 mA	**10.28**	**9.86**	**9.25**
418-EC2A31	EC2A31M	B	28	5	300 mA	**10.28**	**9.86**	**9.25**
418-EC2A32	EC2A32M	B	28	12	125 mA	**10.28**	**9.86**	**9.25**
418-EC2A33	EC2A33M	B	28	15	100 mA	**10.28**	**9.86**	**9.25**
418-EC2A41	EC2A41M	B	48	5	300 mA	**10.28**	**9.86**	**9.25**
418-EC2A42	EC2A42M	B	48	12	125 mA	**10.28**	**9.86**	**9.25**
418-EC2A43	EC2A43M	B	48	15	100 mA	**10.28**	**9.86**	**9.25**
Dual Output								
418-EC2A04	EC2A04M	B	5	±12	±60 mA	**12.60**	**12.10**	**11.34**
418-EC2A05	EC2A05M	B	5	±15	±50 mA	**11.35**	**10.90**	**10.22**
418-EC2A14	EC2A14M	B	12	±12	±60 mA	**11.35**	**10.90**	**10.22**
418-EC2A15	EC2A15M	B	12	±15	±50 mA	**11.35**	**10.90**	**10.22**
418-EC2A24	EC2A24M	B	24	±12	±60 mA	**11.35**	**10.90**	**10.22**
418-EC2A25	EC2A25M	B	24	±15	±50 mA	**11.35**	**10.90**	**10.22**
418-EC2A34	EC2A34M	B	28	±12	±60 mA	**11.35**	**10.90**	**10.22**
418-EC2A35	EC2A35M	B	28	±15	±50 mA	**11.35**	**10.90**	**10.22**
418-EC2A44	EC2A44M	B	48	±12	±60 mA	**11.35**	**10.90**	**10.22**
418-EC2A45	EC2A45M	B	48	±15	±50 mA	**11.35**	**10.90**	**10.22**

EC2AN SERIES, 1.0-1.5W SINGLE AND DUAL OUTPUT

Features:
- Isolated voltage: 500 VDC
- 24-Pin DIP package
- Unregulated outputs
- 70% Efficiency
- Pi input filter
- Low ripple and noise
- Black coated copper with non-conductive base

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC2A01N	EC2A01NM	B	5	5	220 mA	**9.40**	**9.02**	**8.46**
418-EC2A02N	EC2A02NM	B	5	12	125 mA	**9.40**	**9.02**	**8.46**
418-EC2A03N	EC2A03NM	B	5	15	100 mA	**9.40**	**9.02**	**8.46**
418-EC2A11N	EC2A11NM	B	12	5	220 mA	**9.40**	**9.02**	**8.46**
418-EC2A12N	EC2A12NM	B	12	12	125 mA	**9.40**	**9.02**	**8.46**
418-EC2A13N	EC2A13NM	B	12	15	100 mA	**9.40**	**9.02**	**8.46**
Dual Output								
418-EC2A04N	EC2A04NM	B	5	±12	±62 mA	**10.45**	**10.30**	**9.41**
418-EC2A05N	EC2A05NM	B	5	±15	±50 mA	**10.45**	**10.30**	**9.41**
418-EC2A14N	EC2A14NM	B	12	±12	±62 mA	**10.45**	**10.30**	**9.41**
418-EC2A15N	EC2A15NM	B	12	±15	±50 mA	**10.45**	**10.30**	**9.41**

EC3AE SERIES, 3W SINGLE AND DUAL OUTPUT

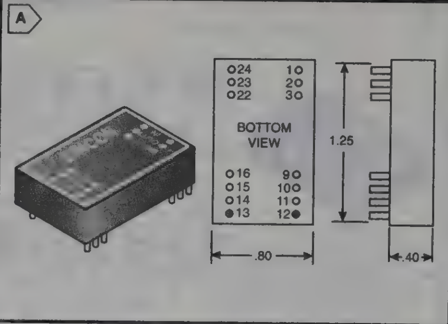
Features:
- Isolated voltage: 500 VDC
- 24-Pin DIP package
- Regulated outputs
- Efficiency to 61%
- LC input filter
- Low ripple and noise
- Black coated copper with non-conductive base

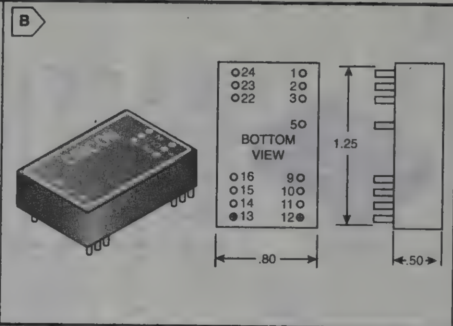
For quantities of 100 and up, call for quote.

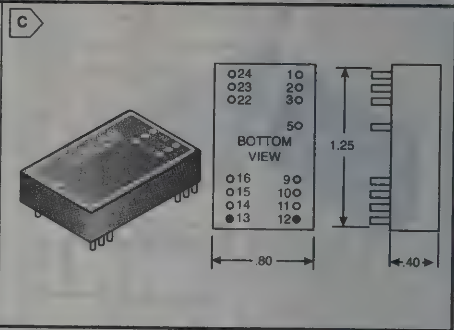
MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC3AE01M	EC3AE01M	C	5	5	600 mA	**11.96**	**11.53**	**10.89**
418-EC3AE02M	EC3AE02M	C	5	12	250 mA	**11.96**	**11.53**	**10.89**
418-EC3AE03M	EC3AE03M	C	5	15	200 mA	**11.96**	**11.53**	**10.89**
418-EC3AE11M	EC3AE11M	C	12	5	600 mA	**11.96**	**11.53**	**10.89**
418-EC3AE12M	EC3AE12M	C	12	12	250 mA	**11.96**	**11.53**	**10.89**
418-EC3AE13M	EC3AE13M	C	12	15	200 mA	**11.96**	**11.53**	**10.89**
418-EC3AE21M	EC3AE21M	C	24	5	600 mA	**11.96**	**11.53**	**10.89**
418-EC3AE22M	EC3AE22M	C	24	12	250 mA	**11.96**	**11.53**	**10.89**
418-EC3AE23M	EC3AE23M	C	24	15	200 mA	**11.96**	**11.53**	**10.89**
418-EC3AE31M	EC3AE31M	C	28	5	600 mA	**11.96**	**11.53**	**10.89**
418-EC3AE32M	EC3AE32M	C	28	12	250 mA	**11.96**	**11.53**	**10.89**
418-EC3AE33M	EC3AE33M	C	28	15	200 mA	**11.96**	**11.53**	**10.89**
418-EC3AE41M	EC3AE41M	C	48	5	600 mA	**11.96**	**11.53**	**10.89**
418-EC3AE42M	EC3AE42M	C	48	12	250 mA	**11.96**	**11.53**	**10.89**
418-EC3AE43M	EC3AE43M	C	48	15	200 mA	**11.96**	**11.53**	**10.89**
Dual Output								
418-EC3AE04M	EC3AE04M	C	5	±12	±125 mA	**13.47**	**12.99**	**12.27**
418-EC3AE05M	EC3AE05M	C	5	±15	±100 mA	**13.47**	**12.99**	**12.27**
418-EC3AE14M	EC3AE14M	C	12	±12	±125 mA	**13.47**	**12.99**	**12.27**
418-EC3AE15M	EC3AE15M	C	12	±15	±100 mA	**13.47**	**12.99**	**12.27**
418-EC3AE24M	EC3AE24M	C	24	±12	±125 mA	**13.47**	**12.99**	**12.27**
418-EC3AE25M	EC3AE25M	C	24	±15	±100 mA	**13.47**	**12.99**	**12.27**
418-EC3AE34M	EC3AE34M	C	28	±12	±125 mA	**13.47**	**12.99**	**12.27**
418-EC3AE35M	EC3AE35M	C	28	±15	±100 mA	**13.47**	**12.99**	**12.27**
418-EC3AE44M	EC3AE44M	C	48	±12	±125 mA	**13.47**	**12.99**	**12.27**
418-EC3AE45M	EC3AE45M	C	48	±15	±100 mA	**13.47**	**12.99**	**12.27**

CINCON DC-DC Converters

DIMENSIONS: in.







EC3A SERIES, 3W SINGLE AND DUAL OUTPUT

Features:

- Isolated voltage: 3K VDC
- 24-Pin DIP package
- Regulated outputs
- 80% Efficiency
- Pi input filter
- Non-conductive Black plastic
- 2:1 Input range
- Continuous short circuit protection

E176177

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC3A07H	EC3A07H	A	4.5-6	3.3	600 mA	**17.35**	**16.66**	**15.62**
418-EC3A01H	EC3A01H	A	4.5-6	5	600 mA	**17.35**	**16.66**	**15.62**
418-EC3A02H	EC3A02H	A	4.5-6	12	250 mA	**17.35**	**16.66**	**15.62**
418-EC3A17H	EC3A17H	A	9-18	3.3	600 mA	**17.35**	**16.66**	**15.62**
418-EC3A11H	EC3A11H	A	9-18	5	600 mA	**17.35**	**16.66**	**15.62**
418-EC3A12H	EC3A12H	A	9-18	12	250 mA	**17.35**	**16.66**	**15.62**
418-EC3A27H	EC3A27H	A	18-36	3.3	600 mA	**17.35**	**16.66**	**15.62**
418-EC3A21H	EC3A21H	A	18-36	5	600 mA	**17.35**	**16.66**	**15.62**
418-EC3A22H	EC3A22H	A	18-36	12	250 mA	**17.35**	**16.66**	**15.62**
418-EC3A37H	EC3A37H	A	36-72	3.3	600 mA	**17.35**	**16.66**	**15.62**
418-EC3A31H	EC3A31H	A	36-72	5	600 mA	**17.35**	**16.66**	**15.62**
418-EC3A32H	EC3A32H	A	36-72	12	250 mA	**17.35**	**16.66**	**15.62**
Dual Output								
418-EC3A04H	EC3A04H	A	4.5-6	±5	±300 mA	**18.93**	**18.17**	**17.03**
418-EC3A05H	EC3A05H	A	4.5-6	±12	±125 mA	**18.93**	**18.17**	**17.03**
418-EC3A14H	EC3A14H	A	9-18	±5	±300 mA	**18.93**	**18.17**	**17.03**
418-EC3A15H	EC3A15H	A	9-18	±12	±125 mA	**18.93**	**18.17**	**17.03**
418-EC3A24H	EC3A24H	A	18-36	±5	±300 mA	**18.93**	**18.17**	**17.03**
418-EC3A25H	EC3A25H	A	18-36	±12	±125 mA	**18.93**	**18.17**	**17.03**
418-EC3A34H	EC3A34H	A	36-72	±5	±300 mA	**18.93**	**18.17**	**17.03**
418-EC3A35H	EC3A35H	A	36-72	±12	±125 mA	**18.93**	**18.17**	**17.03**

EC3AB SERIES, 3W SINGLE AND DUAL OUTPUT

Features:

- Isolated voltage:
  - Standard model: 500 VDC
  - Suffix "H" model: 3K VDC
- 24-Pin DIP package
- Regulated outputs
- 80% Efficiency
- Pi input filter
- Non-conductive Black plastic
- 2:1 Input range
- Meets EN55022 Class B, conducted
- Continuous short circuit protection
- Remote ON/OFF option

E176177

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC3AB17	EC3AB17	B	9-18	3.3	600 mA	**17.23**	**16.54**	**15.50**
418-EC3AB11	EC3AB11	B	9-18	5	600 mA	**17.23**	**16.54**	**15.50**
418-EC3AB12	EC3AB12	B	9-18	12	250 mA	**17.23**	**16.54**	**15.50**
418-EC3AB13	EC3AB13	B	9-18	15	200 mA	**17.23**	**16.54**	**15.50**
418-EC3AB27	EC3AB27	B	18-36	3.3	600 mA	**17.23**	**16.54**	**15.50**
418-EC3AB21	EC3AB21	B	18-36	5	600 mA	**17.23**	**16.54**	**15.50**
418-EC3AB22	EC3AB22	B	18-36	12	250 mA	**17.23**	**16.54**	**15.50**
418-EC3AB23	EC3AB23	B	18-36	15	200 mA	**17.23**	**16.54**	**15.50**
418-EC3AB37	EC3AB37	B	36-72	3.3	600 mA	**17.23**	**16.54**	**15.50**
418-EC3AB31	EC3AB31	B	36-72	5	600 mA	**17.23**	**16.54**	**15.50**
418-EC3AB32	EC3AB32	B	36-72	12	250 mA	**17.23**	**16.54**	**15.50**
418-EC3AB33	EC3AB33	B	36-72	15	200 mA	**17.23**	**16.54**	**15.50**
418-EC3AB17H	EC3AB17H	B	9-18	3.3	600 mA	**20.48**	**19.66**	**18.43**
418-EC3AB11H	EC3AB11H	B	9-18	5	600 mA	**20.48**	**19.66**	**18.43**
418-EC3AB12H	EC3AB12H	B	9-18	12	250 mA	**20.48**	**19.66**	**18.43**
418-EC3AB13H	EC3AB13H	B	9-18	15	200 mA	**20.48**	**19.66**	**18.40**
418-EC3AB27H	EC3AB27H	B	18-36	3.3	600 mA	**20.48**	**19.66**	**18.43**
418-EC3AB21H	EC3AB21H	B	18-36	5	600 mA	**20.48**	**19.66**	**18.43**
418-EC3AB22H	EC3AB22H	B	18-36	12	250 mA	**20.48**	**19.66**	**18.43**
418-EC3AB23H	EC3AB23H	B	18-36	15	200 mA	**20.48**	**19.66**	**18.43**
418-EC3AB37H	EC3AB37H	B	36-72	3.3	600 mA	**20.48**	**19.66**	**18.43**
418-EC3AB31H	EC3AB31H	B	36-72	5	600 mA	**20.48**	**19.66**	**18.40**
418-EC3AB32H	EC3AB32H	B	36-72	12	250 mA	**20.48**	**19.66**	**18.43**
418-EC3AB33H	EC3AB33H	B	36-72	15	200 mA	**20.48**	**19.66**	**18.43**
Dual Output								
418-EC3AB14	EC3AB14	B	9-18	±5	±300 mA	**18.53**	**17.78**	**16.67**
418-EC3AB15	EC3AB15	B	9-18	±12	±125 mA	**18.53**	**17.78**	**16.67**
418-EC3AB16	EC3AB16	B	9-18	±15	±100 mA	**18.53**	**17.78**	**16.67**

EC3AB SERIES, 3W SINGLE AND DUAL OUTPUT (CONT.)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Dual Output								
418-EC3AB24	EC3AB24	B	18-36	±5	±300 mA	**18.53**	**17.78**	**16.67**
418-EC3AB25	EC3AB25	B	18-36	±12	±125 mA	**18.53**	**17.78**	**16.67**
418-EC3AB26	EC3AB26	B	18-36	±15	±100 mA	**18.53**	**17.78**	**16.67**
418-EC3AB34	EC3AB34	B	36-72	±5	±300 mA	**18.53**	**17.78**	**16.67**
418-EC3AB35	EC3AB35	B	36-72	±12	±125 mA	**18.53**	**17.78**	**16.67**
418-EC3AB36	EC3AB36	B	36-72	±15	±100 mA	**18.53**	**17.78**	**16.67**
418-EC3AB14H	EC3AB14H	B	9-18	±5	±300 mA	**22.03**	**21.14**	**19.82**
418-EC3AB15H	EC3AB15H	B	9-18	±12	±125 mA	**22.03**	**21.14**	**19.82**
418-EC3AB16H	EC3AB16H	B	9-18	±15	±100 mA	**22.03**	**21.14**	**19.82**
418-EC3AB24H	EC3AB24H	B	18-36	±5	±300 mA	**22.03**	**21.14**	**19.82**
418-EC3AB25H	EC3AB25H	B	18-36	±12	±125 mA	**22.03**	**21.14**	**19.82**
418-EC3AB26H	EC3AB26H	B	18-36	±15	±100 mA	**22.03**	**21.14**	**19.82**
418-EC3AB34H	EC3AB34H	B	36-72	±5	±300 mA	**22.03**	**21.14**	**19.82**
418-EC3AB35H	EC3AB35H	B	36-72	±12	±125 mA	**22.03**	**21.14**	**19.82**
418-EC3AB36H	EC3AB36H	B	36-72	±15	±100 mA	**22.03**	**21.14**	**19.82**

EC3AW SERIES, 3W SINGLE AND DUAL OUTPUT

Features:

- Isolated voltage: 500 VDC
- 24-Pin DIP package
- Regulated outputs
- 80% Efficiency
- Pi input filter
- 4:1 Input range
- Non-conductive Black plastic
- Continuous short circuit protection

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output. Current	Price Each		
						1	10	50
Single Output								
418-EC3AW07	EC3AW07	C	9-36	3.3	600 mA	**15.88**	**15.24**	**14.29**
418-EC3AW01	EC3AW01	C	9-36	5	600 mA	**15.88**	**15.24**	**14.29**
418-EC3AW02	EC3AW02	C	9-36	12	250 mA	**15.88**	**15.24**	**14.29**
418-EC3AW03	EC3AW03	C	9-36	15	200 mA	**15.88**	**15.24**	**14.29**
418-EC3AW17	EC3AW17	C	18-72	3.3	600 mA	**15.88**	**15.24**	**14.29**
418-EC3AW11	EC3AW11	C	18-72	5	600 mA	**15.88**	**15.24**	**14.29**
418-EC3AW12	EC3AW12	C	18-72	12	250 mA	**15.88**	**15.24**	**14.29**
418-EC3AW13	EC3AW13	C	18-72	15	200 mA	**15.88**	**15.24**	**14.29**
Dual Output								
418-EC3AW04	EC3AW04	C	9-36	±5	±300 mA	**18.40**	**17.66**	**16.56**
418-EC3AW05	EC3AW05	C	9-36	±12	±125 mA	**18.40**	**17.66**	**16.56**
418-EC3AW06	EC3AW06	C	9-36	±15	±100 mA	**18.40**	**17.66**	**16.56**
418-EC3AW14	EC3AW14	C	18-72	±5	±300 mA	**18.40**	**17.66**	**16.56**
418-EC3AW15	EC3AW15	C	18-72	±12	±125 mA	**18.40**	**17.66**	**16.56**
418-EC3AW16	EC3AW16	C	18-72	±15	±100 mA	**18.40**	**17.66**	**16.56**

EC4A SERIES, 5-6W SINGLE AND DUAL OUTPUT

Features:

- Isolated voltage: 3K VDC
- 24-Pin DIP package
- Regulated outputs
- 80% Efficiency
- Pi input filter
- 4:1 Input range
- Non-conductive Black plastic
- Continuous short circuit protection

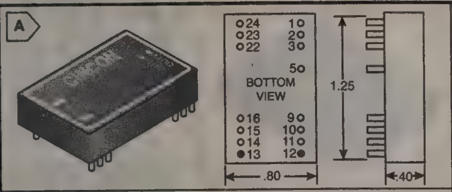
E176177

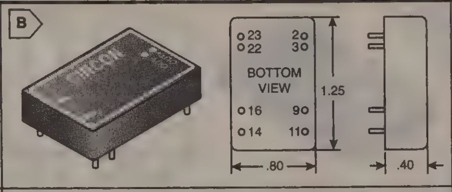
For quantities of 100 and up, call for quote.

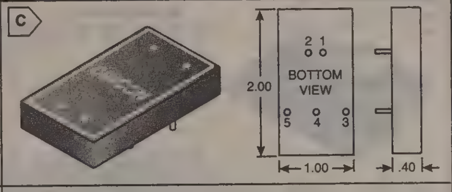
MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC4A07H	EC4A07H	A	9-18	3.3	1000 mA	**15.58**	**14.95**	**14.02**
418-EC4A01H	EC4A01H	A	9-18	5	1000 mA	**15.58**	**14.95**	**14.02**
418-EC4A02H	EC4A02H	A	9-18	12	470 mA	**15.58**	**14.95**	**14.02**
418-EC4A17H	EC4A17H	A	18-36	3.3	1000 mA	**15.58**	**14.95**	**14.02**
418-EC4A11H	EC4A11H	A	18-36	5	1000 mA	**15.58**	**14.95**	**14.02**
418-EC4A12H	EC4A12H	A	18-36	12	470 mA	**15.58**	**14.95**	**14.02**
418-EC4A27H	EC4A27H	A	36-72	3.3	1000 mA	**15.58**	**14.95**	**14.02**
418-EC4A21H	EC4A21H	A	36-72	5	1000 mA	**15.58**	**14.95**	**14.02**
418-EC4A22H	EC4A22H	A	36-72	12	470 mA	**15.58**	**14.95**	**14.02**
Dual Output								
418-EC4A06H	EC4A06H	A	9-18	±5	±500 mA	**17.25**	**16.56**	**15.53**
418-EC4A04H	EC4A04H	A	9-18	±12	±230 mA	**17.25**	**16.56**	**15.53**
418-EC4A16H	EC4A16H	A	18-36	±5	±500 mA	**17.25**	**16.56**	**15.53**
418-EC4A14H	EC4A14H	A	18-36	±12	±230 mA	**17.25**	**16.56**	**15.53**
418-EC4A26H	EC4A26H	A	36-72	±5	±500 mA	**17.25**	**16.56**	**15.53**
418-EC4A24H	EC4A24H	A	36-72	±12	±230 mA	**17.25**	**16.56**	**15.53**

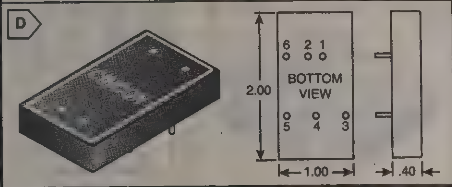
CINCON DC-DC Converters

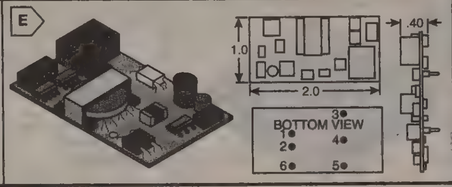
DIMENSIONS: In.

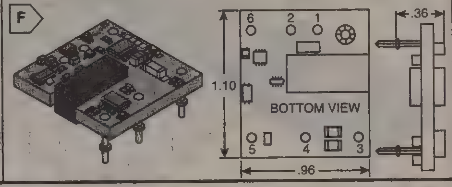












CINCON EC6A SERIES, 7.5W SINGLE AND DUAL OUTPUT

Features:
- Isolated voltage: 1.5K VDC
- 24-Pin DIP package
- Regulated outputs
- 2:1 Input range
- Continuous short circuit protection
- 83% Efficiency
- Pi input filter
- Black coated copper with non-conductive base

E176177

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC6A07	EC6A07	A	9-18	3.3	1500 mA	22.88	21.96	20.59
418-EC6A01	EC6A01	A	9-18	5	1500 mA	22.88	21.96	20.59
418-EC6A02	EC6A02	A	9-18	12	625 mA	22.88	21.96	20.59
418-EC6A03	EC6A03	A	9-18	15	500 mA	22.88	21.96	20.59
418-EC6A17	EC6A17	A	18-36	3.3	1500 mA	22.88	21.96	20.59
418-EC6A11	EC6A11	A	18-36	5	1500 mA	22.88	21.96	20.59
418-EC6A12	EC6A12	A	18-36	12	625 mA	22.88	21.96	20.59
418-EC6A13	EC6A13	A	18-36	15	500 mA	22.88	21.96	20.59
418-EC6A27	EC6A27	A	36-72	3.3	1500 mA	22.88	21.96	20.59
418-EC6A21	EC6A21	A	36-72	5	1500 mA	22.88	21.96	20.59
418-EC6A22	EC6A22	A	36-72	12	625 mA	22.88	21.96	20.59
418-EC6A23	EC6A23	A	36-72	15	500 mA	22.88	21.96	20.59
Dual Output								
418-EC6A04	EC6A04	A	9-18	±5	±750 mA	24.35	23.38	21.92
418-EC6A05	EC6A05	A	9-18	±12	±310 mA	24.35	23.38	21.92
418-EC6A06	EC6A06	A	9-18	±15	±250 mA	24.35	23.38	21.92
418-EC6A14	EC6A14	A	18-36	±5	±750 mA	24.35	23.38	21.92
418-EC6A15	EC6A15	A	18-36	±12	±310 mA	24.35	23.38	21.92
418-EC6A16	EC6A16	A	18-36	±15	±250 mA	24.35	23.38	21.92
418-EC6A24	EC6A24	A	36-72	±5	±750 mA	24.35	23.38	21.92
418-EC6A25	EC6A25	A	36-72	±12	±310 mA	24.35	23.38	21.92
418-EC6A26	EC6A26	A	36-72	±15	±250 mA	24.35	23.38	21.92

CINCON EC7A SERIES, 7.5-10W SINGLE OUTPUT

Features:
- Isolated voltage: 1.5K VDC
- 24-Pin DIP shielded metal case
- Efficiency up to 89%
- Wide 2:1 input range
- Regulated outputs
- Pi input filter
- Continuous short circuit protection

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
418-EC7A-24S25	EC7A-24S25	B	18-36	2.5	3000 mA	36.29	34.72	32.35
418-EC7A-24S33	EC7A-24S33	B	18-36	3.3	3000 mA	36.29	34.72	32.35
418-EC7A-24S05	EC7A-24S05	B	18-36	5	2000 mA	36.29	34.72	32.35
418-EC7A-24S12	EC7A-24S12	B	18-36	12	835 mA	36.29	34.72	32.35
418-EC7A-48S25	EC7A-48S25	B	36-75	2.5	3000 mA	36.29	34.72	32.35
418-EC7A-48S33	EC7A-48S33	B	36-75	3.3	3000 mA	36.29	34.72	32.35
418-EC7A-48S05	EC7A-48S05	B	36-75	5	2000 mA	36.29	34.72	32.35
418-EC7A-48S12	EC7A-48S12	B	36-75	12	835 mA	36.29	34.72	32.35

CINCON EC4BW SERIES, 10W SINGLE AND DUAL OUTPUT

Features:
- Isolated voltage: 500 VDC
- Regulated outputs
- 82% Efficiency
- Pi input filter
- Non-conductive Black plastic
- 4:1 Input range
- Continuous short circuit protection
- Meets EN55022 class "A" conducted

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC4BW07	EC4BW07	C	9-36	3.3	2000 mA	37.06	35.51	33.20
418-EC4BW01	EC4BW01	C	9-36	5	2000 mA	37.06	35.51	33.20
418-EC4BW02	EC4BW02	C	9-36	12	830 mA	37.06	35.51	33.20
418-EC4BW17	EC4BW17	C	18-72	3.3	2000 mA	37.06	35.51	33.20
418-EC4BW11	EC4BW11	C	18-72	5	2000 mA	37.06	35.51	33.20
418-EC4BW12	EC4BW12	C	18-72	12	830 mA	37.06	35.51	33.20
Dual Output								
418-EC4BW06	EC4BW06	C	9-36	±5	±1000 mA	42.48	40.78	38.23
418-EC4BW04	EC4BW04	C	9-36	±12	±415 mA	42.48	40.78	38.23
418-EC4BW16	EC4BW16	C	18-72	±5	±1000 mA	42.48	40.78	38.23
418-EC4BW14	EC4BW14	C	18-72	±12	±415 mA	42.48	40.78	38.23

CINCON EC3BB SERIES, 7.5W SINGLE AND DUAL OUTPUT

Features:
- Isolated voltage: 1.5K VDC
- Remote ON/OFF option
- Efficiency to 82%
- 2:1 Input range
- Regulated outputs
- Continuous short circuit protection
- Meets EN55022 Class B, conducted
- Pi input filter

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC3BB07	EC3BB07	D	9-18	3.3	1500 mA	27.75	26.64	24.98
418-EC3BB01	EC3BB01	D	9-18	5	1500 mA	27.75	26.64	24.98
418-EC3BB02	EC3BB02	D	9-18	12	625 mA	27.75	26.64	24.98
418-EC3BB03	EC3BB03	D	9-18	15	500 mA	27.75	26.64	24.98
418-EC3BB17	EC3BB17	D	18-36	3.3	1500 mA	27.75	26.64	24.98
418-EC3BB11	EC3BB11	D	18-36	5	1500 mA	27.75	26.64	24.98
418-EC3BB12	EC3BB12	D	18-36	12	625 mA	27.75	26.64	24.98
418-EC3BB13	EC3BB13	D	18-36	15	500 mA	27.75	26.64	24.98
418-EC3BB27	EC3BB27	D	36-72	3.3	1500 mA	27.75	26.64	24.98
418-EC3BB21	EC3BB21	D	36-72	5	1500 mA	27.75	26.64	24.98
418-EC3BB22	EC3BB22	D	36-72	12	625 mA	27.75	26.64	24.98
418-EC3BB23	EC3BB23	D	36-72	15	500 mA	27.75	26.64	24.98
Dual Output								
418-EC3BB06	EC3BB06	D	9-18	±5	±750 mA	26.68	27.53	25.81
418-EC3BB04	EC3BB04	D	9-18	±12	±310 mA	26.68	27.53	25.81
418-EC3BB05	EC3BB05	D	9-18	±15	±250 mA	26.68	27.53	25.81
418-EC3BB16	EC3BB16	D	18-36	±5	±750 mA	26.68	27.53	25.81
418-EC3BB14	EC3BB14	D	18-36	±12	±310 mA	26.68	27.53	25.81
418-EC3BB15	EC3BB15	D	18-36	±15	±250 mA	26.68	27.53	25.81
418-EC3BB26	EC3BB26	D	36-72	±5	±750 mA	26.68	27.53	25.81
418-EC3BB24	EC3BB24	D	36-72	±12	±310 mA	26.68	27.53	25.81
418-EC3BB25	EC3BB25	D	36-72	±15	±250 mA	26.68	27.53	25.81

CINCON EC8B SERIES, 10.8-15W SINGLE OUTPUT

Features:
- Isolated voltage: 1.5K VDC
- Regulated outputs
- 87% Efficiency
- Pi input filter
- Open frame
- 2:1 Input range
- Continuous short circuit protection
- 300KHz Switching frequency
- Positive logic

E176177

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
418-EC8B-24S18	EC8B-24S18	E	18-36	1.8	6A	45.10	43.30	40.59
418-EC8B-24S25	EC8B-24S25	E	18-36	2.5	6A	45.10	43.30	40.59
418-EC8B-24S33	EC8B-24S33	E	18-36	3.3	4.5A	45.10	43.30	40.59
418-EC8B-24S05	EC8B-24S05	E	18-36	5.0	3A	45.10	43.30	40.59
418-EC8B-48S18	EC8B-48S18	E	36-75	1.8	6A	45.10	43.30	40.59
418-EC8B-48S25	EC8B-48S25	E	36-75	2.5	6A	45.10	43.30	40.59
418-EC8B-48S33	EC8B-48S33	E	36-75	3.3	4.5A	45.10	43.30	40.59
418-EC8B-48S05	EC8B-48S05	E	36-75	5.0	3A	45.10	43.30	40.59

CINCON EC1SB SERIES, 13.2-15W SINGLE OUTPUT

Features:
- Isolated voltage: 2250 VDC
- Efficiency to 89%
- Regulated outputs
- Fixed switching frequency
- Input under-voltage protection
- Over current protection
- Remote ON/OFF
- Continuous short circuit protection
- Industry standard 1.1"x1" package
- Open frame

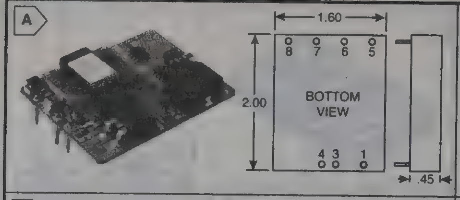
RoHS Compliant

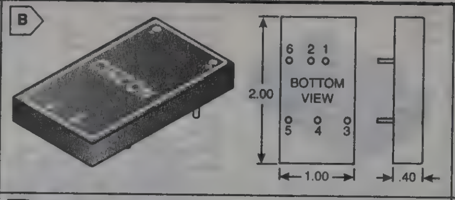
For quantities of 100 and up, call for quote.

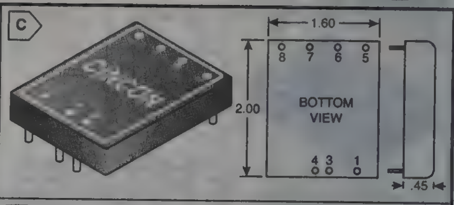
MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
418-EC1SB-24S33	EC1SB-24S33	F	18-36	3.3	4A	43.25	41.52	38.93
418-EC1SB-24S05	EC1SB-24S05	F	18-36	5	3A	43.25	41.52	38.93
418-EC1SB-24S12	EC1SB-24S12	F	18-36	12	1.25A	43.25	41.52	38.93
418-EC1SB-24S15	EC1SB-24S15	F	18-36	15	1A	43.25	41.52	38.93
418-EC1SB-48S33	EC1SB-48S33	F	36-75	3.3	4A	43.25	41.52	38.93
418-EC1SB-48S05	EC1SB-48S05	F	36-75	5	3A	43.25	41.52	38.93
418-EC1SB-48S12	EC1SB-48S12	F	36-75	12	1.25A	43.25	41.52	38.93
418-EC1SB-48S15	EC1SB-48S15	F	36-75	15	1A	43.25	41.52	38.93

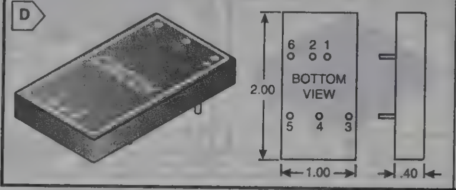
CINCON DC-DC Converters

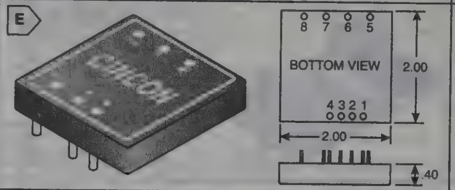
DIMENSIONS: in.

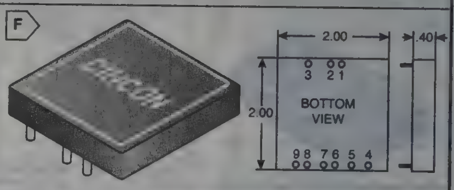












EC2SC SERIES, 14.4-25W SINGLE OUTPUT

Features:
- Isolated Voltage: 1.5K VDC
- Regulated outputs
- Efficiency to 91%
- Pi Input Filter
- Open Frame
- 2:1 Input Range
- Continuous Short Circuit Protection
- Industry Standard Pinout
- Fixed 300KHz Switching Frequency
- Positive Logic
- Remote ON/OFF

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
418-EC2SC-24S18	EC2SC-24S18	A	18-36	1.8	8A	54.76	53.35	51.95
418-EC2SC-24S25	EC2SC-24S25	A	18-36	2.5	8A	54.76	53.35	51.95
418-EC2SC-24S33	EC2SC-24S33	A	18-36	3.3	6A	54.76	53.35	51.95
418-EC2SC-24S05	EC2SC-24S05	A	18-36	5.0	5A	54.76	53.35	51.95
418-EC2SC-24S12	EC2SC-24S12	A	18-36	12	2A	54.76	53.35	51.95
418-EC2SC-24S15	EC2SC-24S15	A	18-36	15	1.6A	54.76	53.35	51.95
418-EC2SC-48S18	EC2SC-48S18	A	36-75	1.8	8A	54.76	53.35	51.95
418-EC2SC-48S25	EC2SC-48S25	A	36-75	2.5	8A	54.76	53.35	51.95
418-EC2SC-48S33	EC2SC-48S33	A	36-75	3.3	6A	54.76	53.35	51.95
418-EC2SC-48S05	EC2SC-48S05	A	36-75	5.0	5A	54.76	53.35	51.95
418-EC2SC-48S12	EC2SC-48S12	A	36-75	12	2A	54.76	53.35	51.95
418-EC2SC-48S15	EC2SC-48S15	A	36-75	15	1.6A	54.76	53.35	51.95

EC5BE SERIES, 15W SINGLE AND DUAL OUTPUT

Features:
- Isolated Voltage: 500 VDC
- Regulated Outputs
- Efficiency to 83%
- Black Coated Copper w/ Non-Conductive Base
- Continuous Short Circuit Protection
- Meets EN55022 Class A Conducted
- Pi Input Filter
- 2:1 Input Range
- Remote ON/OFF

c UL us E176177

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC5BE07	EC5BE07	B	9-18	3.3	3A	34.35	32.98	30.92
418-EC5BE01	EC5BE01	B	9-18	5	3A	34.35	32.98	30.92
418-EC5BE02	EC5BE02	B	9-18	12	1.25A	34.35	32.98	30.92
418-EC5BE17	EC5BE17	B	18-36	3.3	3A	34.35	32.98	30.92
418-EC5BE11	EC5BE11	B	18-36	5	3A	34.35	32.98	30.92
418-EC5BE12	EC5BE12	B	18-36	12	1.25A	34.35	32.98	30.92
418-EC5BE27	EC5BE27	B	36-72	3.3	3A	34.35	32.98	30.92
418-EC5BE21	EC5BE21	B	36-72	5	3A	34.35	32.98	30.92
418-EC5BE22	EC5BE22	B	36-72	12	1.25A	34.35	32.98	30.92
Dual Output								
418-EC5BE06	EC5BE06	B	9-18	±5	±1.5A	37.83	36.31	34.04
418-EC5BE04	EC5BE04	B	9-18	±12	±.625A	37.83	36.31	34.04
418-EC5BE16	EC5BE16	B	18-36	±5	±1.5A	37.83	36.31	34.04
418-EC5BE14	EC5BE14	B	18-36	±12	±.625A	37.83	36.31	34.04
418-EC5BE26	EC5BE26	B	36-72	±5	±1.5A	37.83	36.31	34.04
418-EC5BE24	EC5BE24	B	36-72	±12	±.625A	37.83	36.31	34.04

EC1SC SERIES, 20W SINGLE AND DUAL OUTPUT

Features:
- Isolated Voltage: 1.5K VDC
- Regulated Outputs
- Efficiency to 84%
- Black Coated Copper w/ Non-Conductive Base
- 4:1 Input Range
- Pi Input Filter
- Continuous Short Circuit Protection
- Meets EN55022 Class A Conducted
- Remote ON/OFF Control

c UL us E176177

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC1SC07	EC1SC07	C	9-36	3.3	4A	40.03	38.95	37.87
418-EC1SC01	EC1SC01	C	9-36	5	4A	40.03	38.95	37.87
418-EC1SC02	EC1SC02	C	9-36	12	1.67A	40.03	38.95	37.87
418-EC1SC17	EC1SC17	C	18-72	3.3	4A	40.03	38.95	37.87
418-EC1SC11	EC1SC11	C	18-72	5	4A	40.03	38.95	37.87
418-EC1SC12	EC1SC12	C	18-72	12	1.67A	40.03	38.95	37.87
Dual Output								
418-EC1SC06	EC1SC06	C	9-36	±5	±2A	44.62	43.42	42.21
418-EC1SC04	EC1SC04	C	9-36	±12	±.83A	44.62	43.42	42.21
418-EC1SC16	EC1SC16	C	18-72	±5	±2A	44.62	43.42	42.21
418-EC1SC14	EC1SC14	C	18-72	±12	±.83A	44.62	43.42	42.21

EC7B SERIES, 20W SINGLE OUTPUT

Features:
- Isolated Voltage: 1.5K VDC
- Regulated Outputs
- Efficiency to 90%
- Pi Input Filter
- Black Coated Copper withNon-Conductive Base
- Continuous Short Circuit Protection
- Fixed 300KHz Switching Frequency
- 2:1 Input Range

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
418-EC7B-24S18	EC7B-24S18	D	18-36	1.8	6A	40.22	39.68	38.61
418-EC7B-24S25	EC7B-24S25	D	18-36	2.5	6A	40.22	39.68	38.61
418-EC7B-24S33	EC7B-24S33	D	18-36	3.3	5A	40.22	39.68	38.61
418-EC7B-24S05	EC7B-24S05	D	18-36	5	4A	40.22	39.68	38.61
418-EC7B-24S12	EC7B-24S12	D	18-36	12	1.67A	40.22	39.68	38.61
418-EC7B-24S15	EC7B-24S15	D	18-36	15	1.33A	40.22	39.68	38.61
418-EC7B-48S18	EC7B-48S18	D	36-75	1.8	6A	40.22	39.68	38.61
418-EC7B-48S25	EC7B-48S25	D	36-75	2.5	6A	40.22	39.68	38.61
418-EC7B-48S33	EC7B-48S33	D	36-75	3.3	5A	40.22	39.68	38.61
418-EC7B-48S05	EC7B-48S05	D	36-75	5	4A	40.22	39.68	38.61
418-EC7B-48S12	EC7B-48S12	D	36-75	12	1.67A	40.22	39.68	38.61
418-EC7B-48S15	EC7B-48S15	D	36-75	15	1.33A	40.22	39.68	38.61

EC6C SERIES, 25-30W SINGLE AND DUAL OUTPUT

Features:
- Isolated Voltage: 500 VDC
- Regulated Outputs
- 85% Efficiency
- Pi Input Filter
- Six Sided Shielding
- Black Coated Copper with Non-Conductive Base
- 2:1 Input Range
- Continuous Short Circuit Protection
- Remote ON/OFF Control

c UL us E176177

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
Single Output								
418-EC6C09	EC6C09	E	9-18	3.3	5A	40.43	39.89	38.81
418-EC6C01	EC6C01	E	9-18	5	5A	40.43	39.89	38.81
418-EC6C02	EC6C02	E	9-18	12	2.5A	40.43	39.89	38.81
418-EC6C19	EC6C19	E	18-36	3.3	5A	40.43	39.89	38.81
418-EC6C11	EC6C11	E	18-36	5	5A	40.43	39.89	38.81
418-EC6C12	EC6C12	E	18-36	12	2.5A	40.43	39.89	38.81
418-EC6C29	EC6C29	E	36-72	3.3	5A	40.43	39.89	38.81
418-EC6C21	EC6C21	E	36-72	5	5A	40.43	39.89	38.81
418-EC6C22	EC6C22	E	36-72	12	2.5A	40.43	39.89	38.81
Dual Output								
418-EC6C04	EC6C04	E	9-18	±5	±2.5A	45.64	45.03	43.81
418-EC6C05	EC6C05	E	9-18	±12	±1.25A	45.64	45.03	43.81
418-EC6C14	EC6C14	E	18-36	±5	±2.5A	45.64	45.03	43.81
418-EC6C15	EC6C15	E	18-36	±12	±1.25A	45.64	45.03	43.81
418-EC6C24	EC6C24	E	36-72	±5	±2.5A	45.64	45.03	43.81
418-EC6C25	EC6C25	E	36-72	±12	±1.25A	45.64	45.03	43.81

EC7C SERIES, 40W SINGLE OUTPUT

Features:
- Isolated Voltage: 1.5K VDC
- Regulated Outputs
- Efficiency up to 90%
- Fixed 350KHz Switching Frequency
- Industry Standard Pin-Out
- 2:1 Input Range
- Continuous Short Circuit Protection
- Six-Side Metal Case
- 2"x2" Size

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Price Each		
						1	10	50
418-EC7C-24S33	EC7C-24S33	F	18-36	3.3	8A	68.44	65.33	62.22
418-EC7C-24S05	EC7C-24S05	F	18-36	5	8A	68.44	65.33	62.22
418-EC7C-24S12	EC7C-24S12	F	18-36	12	3.33A	68.44	65.33	62.22
418-EC7C-24S15	EC7C-24S15	F	18-36	15	2.67A	68.44	65.33	62.22
418-EC7C-48S33	EC7C-48S33	F	36-75	3.3	8A	68.44	65.33	62.22
418-EC7C-48S05	EC7C-48S05	F	36-75	5	8A	68.44	65.33	62.22
418-EC7C-48S12	EC7C-48S12	F	36-75	12	3.33A	68.44	65.33	62.22
418-EC7C-48S15	EC7C-48S15	F	36-75	15	2.67A	68.44	65.33	62.22

CHB50 SERIES, 25-50W SINGLE OUTPUT

Features:

- Isolated Voltage: 1.5K VDC
- Regulated Outputs
- Efficiency to 85%
- Pi Input Filter
- Five-Sided Metal Case
- Thermal Shutdown
- 2:1 Input Range
- Continuous Short Circuit Protection
- Industry Standard Half-Brick Package
- 300KHz Switching Frequency
- Positive Logic Remote ON/OFF

c US E176177

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	10
418-CHB50-12S25	CHB50-12S25	9-18	2.5	10A	72.73	69.82
418-CHB50-12S33	CHB50-12S33	9-18	3.3	10A	72.73	69.82
418-CHB50-12S05	CHB50-12S05	9-18	5	10A	72.73	69.82
418-CHB50-12S12	CHB50-12S12	9-18	12	4.16A	72.73	69.82
418-CHB50-12S15	CHB50-12S15	9-18	15	3.33A	72.73	69.82
418-CHB50-12S24	CHB50-12S24	9-18	24	2.08A	72.73	69.82
418-CHB50-24S25	CHB50-24S25	18-36	2.5	10A	72.73	69.82
418-CHB50-24S33	CHB50-24S33	18-36	3.3	10A	72.73	69.82
418-CHB50-24S05	CHB50-24S05	18-36	5	10A	72.73	69.82
418-CHB50-24S12	CHB50-24S12	18-36	12	4.16A	72.73	69.82
418-CHB50-24S15	CHB50-24S15	18-36	15	3.33A	72.73	69.82
418-CHB50-24S24	CHB50-24S24	18-36	24	2.08A	72.73	69.82
418-CHB50-48S25	CHB50-48S25	36-75	2.5	10A	72.73	69.82
418-CHB50-48S33	CHB50-48S33	36-75	3.3	10A	72.73	69.82
418-CHB50-48S05	CHB50-48S05	36-75	5	10A	72.73	69.82
418-CHB50-48S12	CHB50-48S12	36-75	12	4.16A	72.73	69.82
418-CHB50-48S15	CHB50-48S15	36-75	15	3.33A	72.73	69.82
418-CHB50-48S24	CHB50-48S24	36-75	24	2.08A	72.73	69.82

CHB50W SERIES, 25-50W SINGLE OUTPUT

Features:

- Isolated Voltage: 1.5K VDC
- Regulated Outputs
- Efficiency to 84%
- Pi Input Filter
- Five-Sided Metal Case
- 4:1 Input Range
- Continuous Short Circuit Protection
- Industry Standard Half-Brick Package
- 300KHz Switching Frequency
- Positive Logic Remote ON/OFF
- Thermal Shutdown

c US E176177

For quantities of 50 and up, call for quote.

418-CHB50W-24S3V3	CHB50W-24S3V3	9-36	3.3	10A	83.90	80.54
418-CHB50W-24S05	CHB50W-24S05	9-36	5	10A	83.90	80.54
418-CHB50W-24S12	CHB50W-24S12	9-36	12	4.16A	83.90	80.54
418-CHB50W-24S15	CHB50W-24S15	9-36	15	3.33A	83.90	80.54
418-CHB50W-24S24	CHB50W-24S24	9-36	24	2.08A	83.90	80.54
418-CHB50W-48S3V3	CHB50W-48S3V3	18-75	3.3	10A	83.90	80.54
418-CHB50W-48S05	CHB50W-48S05	18-75	5	10A	83.90	80.54
418-CHB50W-48S12	CHB50W-48S12	18-75	12	4.16A	83.90	80.54
418-CHB50W-48S15	CHB50W-48S15	18-75	15	3.33A	83.90	80.54
418-CHB50W-48S24	CHB50W-48S24	18-75	24	2.08A	83.90	80.54

CHB75 SERIES, 37.5-75W SINGLE OUTPUT

Features:

- Isolated Voltage: 1.5K VDC
- Regulated Outputs
- Efficiency to 85%
- Five-Sided Metal Case
- Pi Input Filter
- Continuous Short Circuit Protection
- Industry Standard Half-Brick Package
- 300KHz Switching Frequency
- Positive Logic Remote ON/OFF
- Thermal Shutdown
- 2:1 Input Range

c US E176177

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	10
418-CHB75-12S25	CHB75-12S25	9-18	2.5	15A	83.85	80.50
418-CHB75-12S33	CHB75-12S33	9-18	3.3	15A	83.85	80.50
418-CHB75-12S05	CHB75-12S05	9-18	5	15A	83.85	80.50
418-CHB75-12S12	CHB75-12S12	9-18	12	6.25A	83.85	80.50
418-CHB75-12S15	CHB75-12S15	9-18	15	5A	83.85	80.50
418-CHB75-12S24	CHB75-12S24	9-18	24	3.13A	83.85	80.50
418-CHB75-24S25	CHB75-24S25	18-36	2.5	15A	83.85	80.50
418-CHB75-24S33	CHB75-24S33	18-36	3.3	15A	83.85	80.50
418-CHB75-24S05	CHB75-24S05	18-36	5	15A	83.85	80.50
418-CHB75-24S12	CHB75-24S12	18-36	12	6.25A	83.85	80.50
418-CHB75-24S15	CHB75-24S15	18-36	15	5A	83.85	80.50
418-CHB75-24S24	CHB75-24S24	18-36	24	3.13A	83.85	80.50
418-CHB75-48S25	CHB75-48S25	36-75	2.5	15A	83.85	80.50
418-CHB75-48S33	CHB75-48S33	36-75	3.3	15A	83.85	80.50
418-CHB75-48S05	CHB75-48S05	36-75	5	15A	83.85	80.50
418-CHB75-48S12	CHB75-48S12	36-75	12	6.25A	83.85	80.50
418-CHB75-48S15	CHB75-48S15	36-75	15	5A	83.85	80.50
418-CHB75-48S24	CHB75-48S24	36-75	24	3.13A	83.85	80.50

CHB75W SERIES, 37.5-75W SINGLE OUTPUT

Features:

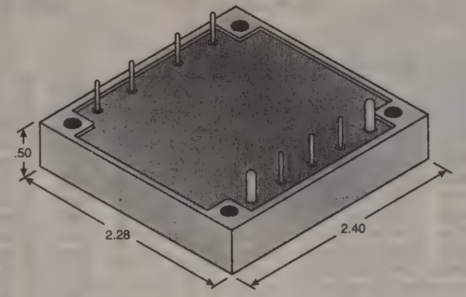
- Isolated Voltage: 1.5K VDC
- Regulated Outputs
- Efficiency to 85%
- Pi Input Filter
- Five-Sided Metal Case
- 4:1 Input Range
- Continuous Short Circuit Protection
- Industry Standard Half-Brick Package
- 300KHz Switching Frequency
- Positive Logic Remote ON/OFF
- Thermal Shutdown

c US E176177

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	10
418-CHB75W-48S3V3	CHB75W-48S3V3	18-75	3.3	15A	98.63	94.68
418-CHB75W-48S05	CHB75W-48S05	18-75	5	15A	98.63	94.68
418-CHB75W-48S12	CHB75W-48S12	18-75	12	6.25A	98.63	94.68
418-CHB75W-48S15	CHB75W-48S15	18-75	15	5A	98.63	94.68

DIMENSIONS: In.



CHB75-DUAL SERIES, 75W DUAL OUTPUT

Features:

- Isolated Voltage: 1.5K VDC
- Total Power 75W with 15A max Per Channel
- Regulated Outputs
- Efficiency to 84%
- 2:1 Input Range
- Pi Input Filter
- Continuous Short Circuit Protection
- Industry Standard Half-Brick Package
- 400KHz Switching Frequency
- Positive Logic Remote ON/OFF
- Thermal Shutdown

c US E176177

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current		Price Each	
				Min.	Max.	1	10
418-CHB75-24D05-2V5	CHB75-24D05-2V5	18-36	V1=5 V2=2.5	0A 0A	15A 15A	131.38	126.12
418-CHB75-24D05-3V3	CHB75-24D05-3V3	18-36	V1=5 V2=3.3	0A 0A	15A 15A	131.38	126.12
418-CHB75-48D05-2V5	CHB75-48D05-2V5	36-75	V1=5 V2=2.5	0A 0A	15A 15A	131.38	126.12
418-CHB75-48D05-3V3	CHB75-48D05-3V3	36-75	V1=5 V2=3.3	0A 0A	15A 15A	131.38	126.12

CHB100 SERIES, 50-100W SINGLE OUTPUT

Features:

- Isolated Voltage: 1.5K VDC
- Efficiency to 85%
- 500KHz Switching Frequency
- 2:1 Input Range
- Regulated Outputs
- Continuous Short Circuit Protection
- Five-Sided Metal Case
- Industry Standard Half-Brick Package

c US E176177

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	10
418-CHB100-24S25	CHB100-24S25	18-36	2.5	20A	92.17	87.78
418-CHB100-24S33	CHB100-24S33	18-36	3.3	20A	92.17	87.78
418-CHB100-24S05	CHB100-24S05	18-36	5	20A	92.17	87.78
418-CHB100-24S12	CHB100-24S12	18-36	12	8.3A	92.17	87.78
418-CHB100-24S15	CHB100-24S15	18-36	15	6.7A	92.17	87.78
418-CHB100-24S24	CHB100-24S24	18-36	24	4.17A	92.17	87.78
418-CHB100-48S25	CHB100-48S25	36-75	2.5	20A	92.17	87.78
418-CHB100-48S33	CHB100-48S33	36-75	3.3	20A	92.17	87.78
418-CHB100-48S05	CHB100-48S05	36-75	5	20A	92.17	87.78
418-CHB100-48S12	CHB100-48S12	36-75	12	8.3A	92.17	87.78
418-CHB100-48S15	CHB100-48S15	36-75	15	6.7A	92.17	87.78
418-CHB100-48S24	CHB100-48S24	36-75	24	4.17A	92.17	87.78

CHB150 SERIES, 75-150W SINGLE OUTPUT

Features:

- Isolated Voltage: 1.5K VDC
- Regulated Outputs
- Efficiency to 85%
- Five-Sided Metal Case
- 2:1 Input Range
- Pi Input Filter
- Continuous Short Circuit Protection
- Industry Standard Half-Brick Package
- 500KHz Switching Frequency
- Positive Logic Remote ON/OFF
- Thermal Shutdown

c US E176177

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each	
					1	10
418-CHB150-48S25	CHB150-48S25	36-75	2.5	30A	114.83	110.23
418-CHB150-48S33	CHB150-48S33	36-75	3.3	30A	114.83	110.23
418-CHB150-48S05	CHB150-48S05	36-75	5	30A	114.83	110.23
418-CHB150-48S12	CHB150-48S12	36-75	12	12.5A	114.83	110.23
418-CHB150-48S15	CHB150-48S15	36-75	15	10A	114.83	110.23
418-CHB150-48S24	CHB150-48S24	36-75	24	6.25A	114.83	110.23

CINCON DC-DC Converters

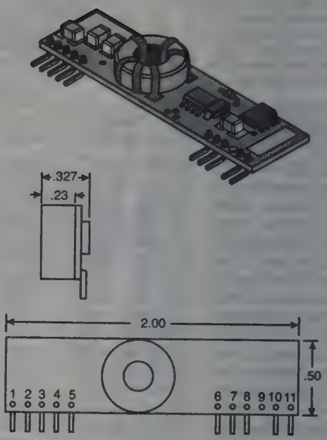
SIP10-05 SERIES, 10 AMP NON-ISOLATED SIP PACKAGE

Features:
- Industry Standard Pinout
- 300KHz Switching Frequency
- Over Temperature Protection
- Continuous Short Circuit Protection
- Remote On/Off
- Cost Efficient Open Frame Design
- High Efficiency to 95%

E176177

Pin Connection			
Pin	Function	Pin	Function
1	+Vout	6	Common
2	+Vout	7	+Vin
3	+Sense	8	+Vin
4	+Vout	9	No Pin
5	Common	10	Trim
		11	On/Off Control

DIMENSIONS: In.



Parts with N suffix have Negative Logic Remote On/Off.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Input Current		Efficiency	Price Each			
					No Load	Full Load		1	10	50	100
418-SIP10-05S10	SIP10-05S10	3.0-5.5	1.0	10A	50mA	2353mA	85%	18.36	17.90	17.44	16.98
418-SIP10-05S12	SIP10-05S12	3.0-5.5	1.2	10A	50mA	2791mA	86%	18.36	17.90	17.44	16.98
418-SIP10-05S15	SIP10-05S15	3.0-5.5	1.5	10A	50mA	3409mA	88%	18.36	17.90	17.44	16.98
418-SIP10-05S18	SIP10-05S18	3.0-5.5	1.8	10A	50mA	4000mA	90%	18.36	17.90	17.44	16.98
418-SIP10-05S20	SIP10-05S20	3.0-5.5	2.0	10A	60mA	4396mA	91%	18.36	17.90	17.44	16.98
418-SIP10-05S25	SIP10-05S25	3.0-5.5	2.5	10A	60mA	5376mA	93%	18.36	17.90	17.44	16.98
418-SIP10-05S33	SIP10-05S33	4.5-5.5	3.3	10A	60mA	6947mA	95%	18.36	17.90	17.44	16.98
418-SIP10-05S10N	SIP10-05S10N	3.0-5.5	1.0	10A	50mA	2353mA	85%	18.36	17.90	17.44	16.98
418-SIP10-05S12N	SIP10-05S12N	3.0-5.5	1.2	10A	50mA	2791mA	86%	18.36	17.90	17.44	16.98
418-SIP10-05S15N	SIP10-05S15N	3.0-5.5	1.5	10A	50mA	3409mA	88%	18.36	17.90	17.44	16.98
418-SIP10-05S18N	SIP10-05S18N	3.0-5.5	1.8	10A	50mA	4000mA	90%	18.36	17.90	17.44	16.98
418-SIP10-05S20N	SIP10-05S20N	3.0-5.5	2.0	10A	60mA	4396mA	91%	18.36	17.90	17.44	16.98
418-SIP10-05S25N	SIP10-05S25N	3.0-5.5	2.5	10A	60mA	5376mA	93%	18.36	17.90	17.44	16.98
418-SIP10-05S33N	SIP10-05S33N	4.5-5.5	3.3	10A	60mA	6947mA	95%	18.36	17.90	17.44	16.98

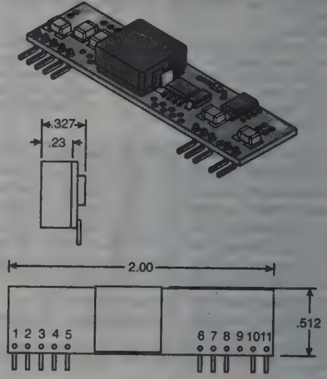
SIP10-12 SERIES, 10 AMP NON-ISOLATED SIP PACKAGE

Features:
- Industry Standard Pinout
- 300KHz Switching Frequency
- 9.0-14VDC Input Range
- UL/C-UL60950 Certified
- High Efficiency to 95%
- Over Temperature Protection
- Continuous Short Circuit Protection
- Remote On/Off
- Open Frame Design

RoHS Compliant

Pin Connection			
Pin	Function	Pin	Function
1	+Vout	6	Common
2	+Vout	7	+Vin
3	+Sense	8	+Vin
4	+Vout	9	No Pin
5	Common	10	Trim
		11	On/Off Control

DIMENSIONS: In.



For quantities of 200 and up, call for quote.

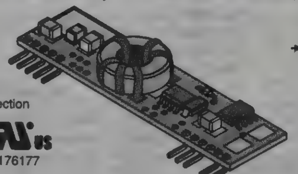
MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Input Current		Efficiency	Price Each			
					No Load	Full Load		1	10	50	100
418-SIP10-12S10	SIP10-12S10	9.0-14	1.0	10A	50mA	992mA	84%	19.87	19.33	18.80	18.26
418-SIP10-12S12	SIP10-12S12	9.0-14	1.2	10A	50mA	1163mA	86%	19.87	19.33	18.80	18.26
418-SIP10-12S15	SIP10-12S15	9.0-14	1.5	10A	50mA	1404mA	89%	19.87	19.33	18.80	18.26
418-SIP10-12S18	SIP10-12S18	9.0-14	1.8	10A	60mA	1666mA	90%	19.87	19.33	18.80	18.26
418-SIP10-12S20	SIP10-12S20	9.0-14	2.0	10A	60mA	1832mA	91%	19.87	19.33	18.80	18.26
418-SIP10-12S25	SIP10-12S25	9.0-14	2.5	10A	60mA	2264mA	92%	19.87	19.33	18.80	18.26
418-SIP10-12S33	SIP10-12S33	9.0-14	3.3	10A	70mA	2956mA	93%	19.87	19.33	18.80	18.26
418-SIP10-12S05	SIP10-12S05	9.0-14	5.0	10A	70mA	4385mA	95%	19.87	19.33	18.80	18.26

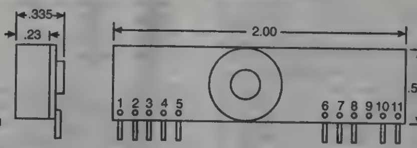
SIP15-05 SERIES, 15 AMP NON-ISOLATED OUTPUT

DIMENSIONS: In.

Features:
- Industry Standard Pin Out
- 300KHz Switching Frequency
- Over Temperature Protection
- Continuous Short Circuit Protection
- Remote On/Off
- Open Frame Design

E176177





Pin Connection	
Pin	Function
1	+Vout
2	+Vout
3	+Sense
4	+Vout
5	Common
6	Common
7	+Vin
8	+Vin
9	No Pin
10	Trim
11	On/Off Control

External Resistor Values for Setting Output Voltage	
Voltage	Trim (KΩ)
0.9	135.36
1	79.17
1.2	41.71
1.5	22.98
1.8	14.96
2	11.75
2.5	6.93
3.3	3.15
3.63	2.2

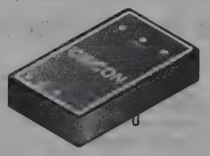
Parts with N suffix have Negative Logic Remote On/Off.

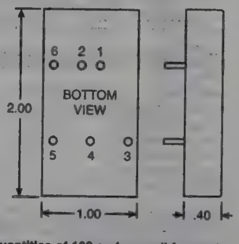
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Efficiency	Price Each			
						1	10	50	100
418-SIP15-05S33	SIP15-05S33	3.0-5.5	0.9-3.63	15A	94%	20.23	19.67	19.11	18.55
418-SIP15-05S33N	SIP15-05S33N	3.0-5.5	0.9-3.63	15A	94%	20.23	19.67	19.11	18.55

EC6B SERIES, 7.2-20W NON-ISOLATED OUTPUT

Features:
- Regulated Outputs
- Efficiency to 88%
- Non-Conductive Black Plastic
- Constant Frequency
- Over Current Protection
- Under Input Voltage Protection
- Output Voltage Adjustment
- Remote On/Off Control





DIMENSIONS: In.

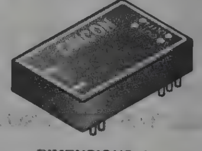
For quantities of 100 and up, call for quote.

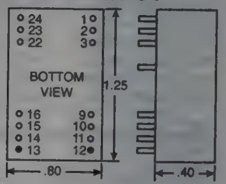
MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each		
					1	10	50
418-EC6B-05S12	EC6B-05S12	4.5-5.5	1.2	6A	23.94	22.90	21.34
418-EC6B-05S21	EC6B-05S21	4.5-5.5	2.1	6A	23.94	22.90	21.34
418-EC6B-05S25	EC6B-05S25	4.5-5.5	2.5	6A	23.94	22.90	21.34
418-EC6B-05S33	EC6B-05S33	4.5-5.5	3.3	6A	23.94	22.90	21.34

EC5A SERIES, 6-24W NON-ISOLATED OUTPUT

Features:
- Regulated Outputs
- Efficiency to 94%
- Input LC Filter
- 24-Pin DIP Package

RoHS Compliant





DIMENSIONS: In.

MOUSER STOCK NO.	Cincon Part No.	Input Voltage	Output Voltage	Output Current	Price Each		
					1	10	50
418-EC5A-05S33	EC5A-05S33	4.7-6	3.3	2000mA	17.58	16.87	15.82
418-EC5A-12S33	EC5A-12S33	9-32	3.3	2000mA	17.58	16.87	15.82
418-EC5A-12S05	EC5A-12S05	9-32	5	2000mA	17.58	16.87	15.82
418-EC5A-12S12	EC5A-12S12	9-32	12	830mA	17.58	16.87	15.82
418-EC5A-12S15	EC5A-12S15	9-32	15	666mA	17.58	16.87	15.82
418-EC5A-24S12	EC5A-24S12	16-32	12	1600mA	17.58	16.87	15.82
418-EC5A-24S15	EC5A-24S15	19-32	15	1600mA	17.58	16.87	15.82

ETA-USA DC-DC Converters

ETA-USA OT SERIES SINGLE AND DUAL OUTPUT

- Over Current Protection
- Operating Temperature Range: -20°C ~ +70°C

Other voltages available. Contact a Mouser Service Representative.

DC Input Single Output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-OTQ05SC05	OTQ05SC05	A	3W	4~8	5	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ12SC05	OTQ12SC05	A	3W	4~8	12	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ15SC05	OTQ15SC05	A	3W	4~8	15	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ24SC05	OTQ24SC05	A	3W	4~8	24	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ05SC1224	OTQ05SC1224	A	3W	8~32	5	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ12SC1224	OTQ12SC1224	A	3W	8~32	12	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ15SC1224	OTQ15SC1224	A	3W	8~32	15	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ24SC1224	OTQ24SC1224	A	3W	8~32	24	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ05SC2448	OTQ05SC2448	A	3W	18~72	5	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ12SC2448	OTQ12SC2448	A	3W	18~72	12	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ15SC2448	OTQ15SC2448	A	3W	18~72	15	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ24SC2448	OTQ24SC2448	A	3W	18~72	24	0.35	1.41	0.76	25.70	24.08	23.34	22.45

DC Input Dual Output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-OTQ22WC05	OTQ22WC05	A	3W	4~8	±12	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ23WC05	OTQ23WC05	A	3W	4~8	±15	0.35	1.41	0.76	25.60	24.00	23.20	22.40
618-OTQ22WC1224	OTQ22WC1224	A	3W	8~32	±12	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ23WC1224	OTQ23WC1224	A	3W	8~32	±15	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ22WC2448	OTQ22WC2448	A	3W	18~72	±12	0.35	1.41	0.76	25.70	24.08	23.34	22.45
618-OTQ23WC2448	OTQ23WC2448	A	3W	18~72	±15	0.35	1.41	0.76	25.70	24.08	23.34	22.45

ETA-USA OH SERIES SINGLE AND DUAL OUTPUT

- PCB Mountable
- Isolation Voltage: 500 Vmin
- Operating Temperature Range: -20°C ~ +71°C
- Small Input Current at No Load
- Switching Frequency 170kHz
- Over Current Protection

Other voltages available. Contact a Mouser Service Representative.

DC Input Single Output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-OHS05SC1224	OHS05SC1224	B	10W	8~32	5	1.00	2.00	0.44	35.60	33.38	32.26	31.15
618-OHS12SC1224	OHS12SC1224	B	10W	8~32	12	1.00	2.00	0.44	35.60	33.38	32.26	31.15
618-OHS15SC1224	OHS15SC1224	B	10W	8~32	15	1.00	2.00	0.44	35.60	33.38	32.26	31.15
618-OHS24SC1224	OHS24SC1224	B	10W	8~32	24	1.00	2.00	0.44	35.60	33.38	32.26	31.15
618-OHS05SC2448	OHS05SC2448	B	10W	18~72	5	1.00	2.00	0.44	35.60	33.38	32.26	31.15
618-OHS12SC2448	OHS12SC2448	B	10W	18~72	12	1.00	2.00	0.44	35.60	33.38	32.26	31.15
618-OHS15SC2448	OHS15SC2448	B	10W	18~72	15	1.00	2.00	0.44	35.60	33.38	32.26	31.15
618-OHS24SC2448	OHS24SC2448	B	10W	18~72	24	1.00	2.00	0.44	35.60	33.38	32.26	31.15

DC Input Dual Output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-OHS22WC1224	OHS22WC1224	B	10W	8~32	±12	1.00	2.00	0.44	36.85	34.55	33.39	32.24
618-OHS23WC1224	OHS23WC1224	B	10W	8~32	±15	1.00	2.00	0.44	36.85	34.55	33.39	32.24
618-OHS22WC2448	OHS22WC2448	B	10W	18~72	±12	1.00	2.00	0.44	36.85	34.55	33.39	32.24
618-OHS23WC2448	OHS23WC2448	B	10W	18~72	±15	1.00	2.00	0.44	36.85	34.55	33.39	32.24

ETA-USA NVD SERIES SINGLE OUTPUT

- Over Current, Over Voltage, and Thermal Protection
- Operating Temperature Range: -20°C ~ +70°C

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-NVD05SC12	NVD05SC12	C	100W	9.6~16	5	2.56	3.98	1.34	244.76	230.05	222.03	214.00
618-NVD12SC12	NVD12SC12	C	100W	9.6~16	12	2.56	3.98	1.34	244.76	230.05	222.03	214.00
618-NVD05SC24	NVD05SC24	C	100W	19~32	5	2.56	3.98	1.34	244.76	230.05	222.03	214.00
618-NVD12SC24	NVD12SC24	C	100W	19~32	12	2.56	3.98	1.34	230.10	215.72	208.52	201.33
618-NVD3.3SC48	NVD3.3SC48	C	100W	38~63	3.3	2.56	3.98	1.34	244.76	230.05	222.03	214.00
618-NVD05SC48	NVD05SC48	C	100W	38~63	5	2.56	3.98	1.34	244.76	230.05	222.03	214.00
618-NVD24SC48	NVD24SC48	C	100W	38~63	24	2.56	3.98	1.34	244.76	230.05	222.03	214.00
618-NVD15SD	NVD15SD	C	100W	85~140	15	2.56	3.98	1.34	230.10	215.72	208.52	201.33

ETA-USA ETD SERIES SINGLE OUTPUT

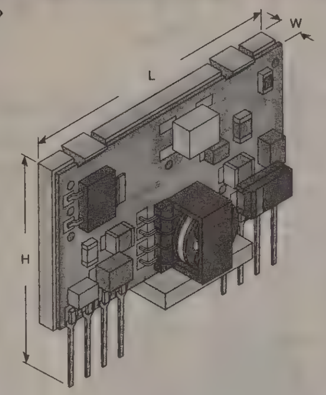
- Over Current, Over Voltage, and Thermal Protection
- Operating Temperature Range: -20°C ~ +70°C

Other voltages available. Contact a Mouser Service Representative.

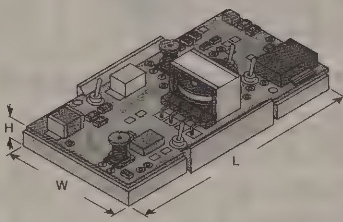
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-ETD3.3SC48	ETD3.3SC48	D	100W	36~72	3.3	2.20	3.39	1.18	244.00	228.75	221.13	213.50
618-ETD05SC48	ETD05SC48	D	100W	36~72	5	2.20	3.39	1.18	244.00	228.75	221.13	213.50
618-ETD12SC48	ETD12SC48	D	100W	36~72	12	2.20	3.39	1.18	244.00	228.75	221.13	213.50
618-ETD24SC48	ETD24SC48	D	100W	36~72	24	2.20	3.39	1.18	244.00	228.75	221.13	213.50
618-ETD3.3SC300	ETD3.3SC300	D	100W	200~400	3.3	2.20	3.39	1.18	244.00	228.75	221.13	213.50
618-ETD05SC300	ETD05SC300	D	100W	200~400	5	2.20	3.39	1.18	244.00	228.75	221.13	213.50
618-ETD12SC300	ETD12SC300	D	100W	200~400	12	2.20	3.39	1.18	244.00	228.75	221.13	213.50
618-ETD24SC300	ETD24SC300	D	100W	200~400	24	2.20	3.39	1.18	244.00	228.75	221.13	213.50

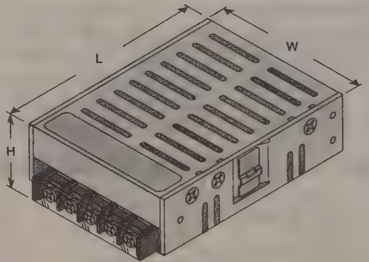
A



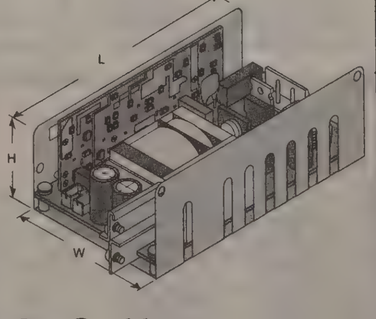
B



C



D



ETA-USA DC-DC Converters

ETA-USA OB SERIES DC INPUT SINGLE OUTPUT

- Small Input Current at No Load
- Fixed Switching Frequency 170 kHz
- Over Current Protection
- Three Year Warranty
- Output Trimming, High Efficiency
- Isolation Voltage: 500V min.
- Cross to Cosel ZS & ZW Series

Other voltages available. Contact a Mcuser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-OBQ05SC05	OBQ05SC05	A	3W	4.5~6	5	0.79	1.26	0.39	20.96	19.65	19.00	18.34
618-OBQ05SC0512	OBQ05SC0512	A	3W	4.5~16	5	0.79	1.26	0.39	21.79	20.43	19.75	19.07
618-OBQ05SC12	OBQ05SC12	A	3W	9~18	5	0.79	1.26	0.39	20.96	19.65	19.00	18.34
618-OBQ05SC1224	OBQ05SC1224	A	3W	8~32	5	0.79	1.26	0.39	21.79	20.43	19.75	19.07
618-OBQ12SC0512	OBQ12SC0512	A	3W	4.5~16	12	0.79	1.26	0.39	21.79	20.43	19.75	19.07
618-OBQ12SC12	OBQ12SC12	A	3W	9~18	12	0.79	1.26	0.39	20.96	19.65	19.00	18.34
618-OBQ12SC2448	OBQ12SC2448	A	3W	18~72	12	0.79	1.26	0.39	21.79	20.43	19.75	19.07
618-OBQ15SC0512	OBQ15SC0512	A	3W	4.5~16	15	0.79	1.26	0.39	21.79	20.43	19.75	19.07
618-OBQ15SC12	OBQ15SC12	A	3W	9~18	15	0.79	1.26	0.39	20.96	19.65	19.00	18.34
618-OBQ15SC2448	OBQ15SC2448	A	3W	18~72	15	0.79	1.26	0.39	21.79	20.43	19.75	19.07
618-OBQ24SC05	OBQ24SC05	A	3W	4.5~6	24	0.79	1.26	0.39	20.96	19.65	19.00	18.34
618-OBQ24SC0512	OBQ24SC0512	A	3W	4.5~16	24	0.79	1.26	0.39	21.79	20.43	19.75	19.07
618-OBQ24SC12	OBQ24SC12	A	3W	9~18	24	0.79	1.26	0.39	20.96	19.65	19.00	18.34
618-OBQ24SC1224	OBQ24SC1224	A	3W	8~32	24	0.79	1.26	0.39	21.79	20.43	19.75	19.07
618-OBR05SC05	OBR05SC05	A	6W	4.5~6	5	1.14	1.81	0.39	29.25	27.42	26.51	25.59
618-OBR05SC0512	OBR05SC0512	A	6W	4.5~16	5	1.14	1.81	0.39	30.58	28.67	27.71	26.75
618-OBR05SC12	OBR05SC12	A	6W	9~18	5	1.14	1.81	0.39	29.25	27.42	26.51	25.59
618-OBR05SC1224	OBR05SC1224	A	6W	8~32	5	1.14	1.81	0.39	30.58	28.67	27.71	26.75
618-OBR12SC0512	OBR12SC0512	A	6W	4.5~16	12	1.14	1.81	0.39	30.58	28.67	27.71	26.75
618-OBR12SC12	OBR12SC12	A	6W	9~18	12	1.14	1.81	0.39	29.25	27.42	26.51	25.59
618-OBR24SC12	OBR24SC12	A	6W	9~18	24	1.14	1.81	0.39	29.25	27.42	26.51	25.59
618-OBS05SC12	OBS05SC12	A	10W	9~18	5	1.81	1.54	0.43	45.01	42.20	40.79	39.38
618-OBS12SC12	OBS12SC12	A	10W	9~18	12	1.81	1.54	0.43	45.01	42.20	40.79	39.38
618-OBS24SC12	OBS24SC12	A	10W	9~18	24	1.81	1.54	0.43	45.01	42.20	40.79	39.38

ETA-USA OE SERIES SINGLE AND DUAL OUTPUT

- Three Year Warranty
- Over Current Protection
- Isolation Voltage: 500V min.
- Fixed Switching Frequency: 170kHz
- Input Range: 4 ~ 72 VDC
- Operating Temperature Range: -20°C ~ +71°C
- PCB Mountable
- Output Trimming Pin

Other voltages available. Contact a Mouser Service Representative.

DC Input Single Output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-OEJ05SC0512	OEJ05SC0512	B	1.5W	4.5~16	5	0.77	1.26	0.31	15.09	14.15	13.67	13.20
618-OEJ05SC1224	OEJ05SC1224	B	1.5W	8~32	5	0.77	1.26	0.31	15.09	14.15	13.67	13.20
618-OEJ24SC1224	OEJ24SC1224	B	1.5W	8~32	24	0.77	1.26	0.31	15.09	14.15	13.67	13.20
618-OES05SC1224	OES05SC1224	B	10W	8~32	5	1.54	1.81	0.33	32.45	30.42	29.41	28.39
618-OES24SC1224	OES24SC1224	B	10W	8~32	24	1.54	1.81	0.33	32.45	30.42	29.41	28.39

DC Input Dual Output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-OEJ23WC0512	OEJ23WC0512	B	1.5W	4.5~16	±15	0.77	1.26	0.31	16.45	15.42	14.91	14.39
618-OES22WC05	OES22WC05	B	10W	4.5~9	±12	1.54	1.81	0.33	42.98	40.29	38.95	37.60
618-OES22WC1224	OES22WC1224	B	10W	8~32	±12	1.54	1.81	0.33	33.81	31.70	30.64	29.58

ETA-USA OC SERIES DC INPUT SINGLE OUTPUT

- Remote ON/OFF
- Over Current Protection
- PCB Mountable
- Switching Frequency: 160 kHz
- Dimensions: in.: 0.84(W) X 1.26 (L) X 0.39 (H)
- Operating Temperature Range: -20°C ~ +71°C

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Price Each			
						1	5	10	25
618-OC13.3SC1224	OC13.3SC1224	C	4.6W	10.2 ~ 32	3.3V 1.4A	17.23	16.16	15.63	15.09
618-OC105SC1224	OC105SC1224	C	7.0W	10.2 ~ 32	5V 1.4A	17.50	16.34	15.81	15.27
618-OC106SC1224	OC106SC1224	C	8.4W	10.2 ~ 32	6V 1.4A	17.23	16.16	15.63	15.09
618-OC105SC2448	OC105SC2448	C	7.0W	20.4 ~ 56	5V 1.4A	17.23	16.16	15.63	15.09
618-OC106SC2448	OC106SC2448	C	8.4W	20.4 ~ 56	6V 1.4A	17.23	16.16	15.63	15.09
618-OC112SC2448	OC112SC2448	C	15.6W	20.4 ~ 56	12V 1.3A	17.23	16.16	15.63	15.09
618-OC124SC48	OC124SC48	C	28.8W	40.8 ~ 56	24V 1.2A	17.47	16.38	15.83	15.29

ETA-USA VT SERIES DC SINGLE OUTPUT

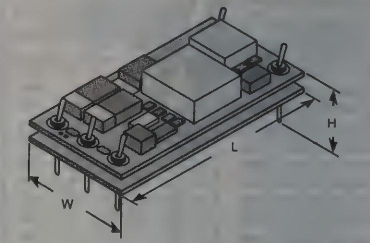
- Three Year Warranty
- Chassis Mount Type
- Compact & High Efficiency
- Over Current Protection
- Operating Temperature Range: 0°C ~ +50°C

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

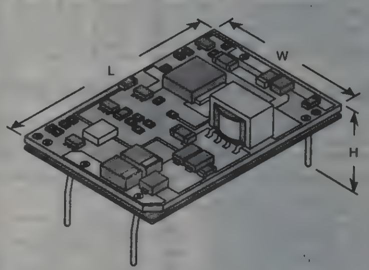
MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Input Voltage	Output Voltage	Dimensions: in.			Price Each			
						W	L	H	1	5	10	25
618-VTM05SC24	VTM05SC24	D	15W	19~32	5	3.15	4.65	0.98	69.49	65.15	62.97	60.80
618-VTA12SC12	VTA12SC12	D	25W	9.2~16	12	3.35	5.31	1.22	101.60	95.25	92.08	88.90
618-VTA48SC24	VTA48SC24	D	25W	19~32	48	3.35	5.31	1.22	101.60	95.25	92.08	88.90
618-VTB24SC48	VTB24SC48	D	50W	38~63	24	3.78	6.30	1.30	118.19	110.81	107.11	103.42
618-VTD24SC12	VTD24SC12	D	100W	9.2~16	24	1.89	7.48	3.82	213.22	199.89	193.23	186.56
618-VTD48SC12	VTD48SC12	D	100W	9.2~16	48	1.89	7.48	3.82	213.22	199.89	193.23	186.56

A



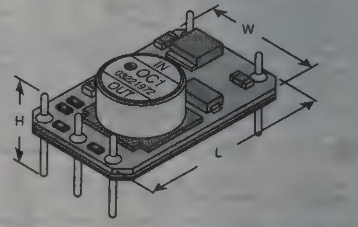
On board DC to DC converter.
Small size, high efficiency, coat effective.

B



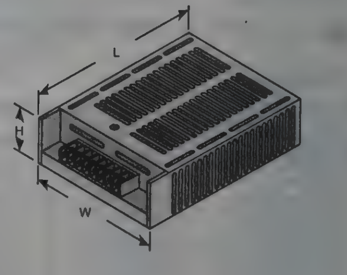
Is suitable for PCB Mounting.
The open board design results in lighter weight, lower cost, and smaller size.

C



OC1 series is a non-isolated DC-DC converter characterized by high efficiency with remote on/off, over-current protection, and over-voltage protection.

D

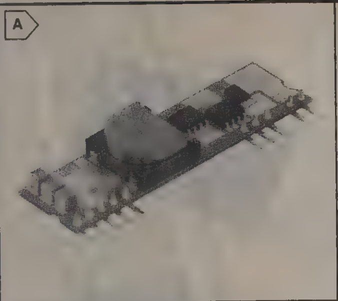


FUJITSU FDK Non-Isolated DC-DC Converters

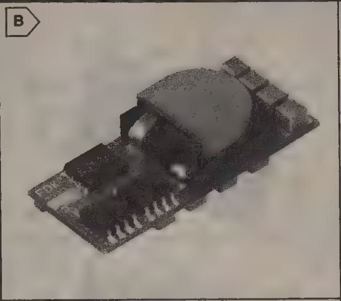
FUJITSU

RoHS Compliant This page of product is compliant.

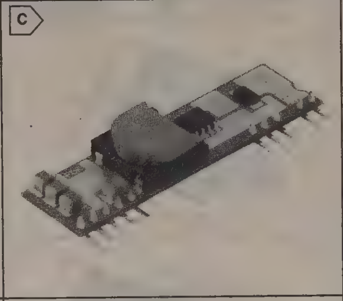
A



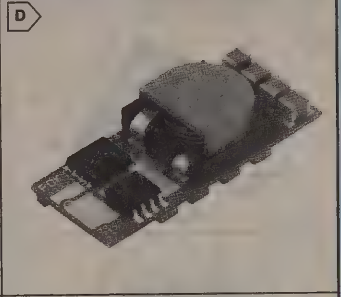
B



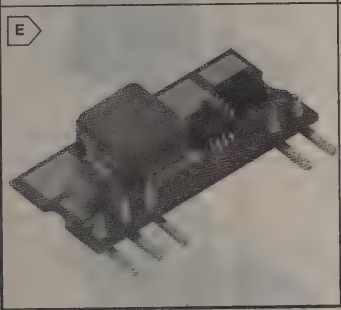
C



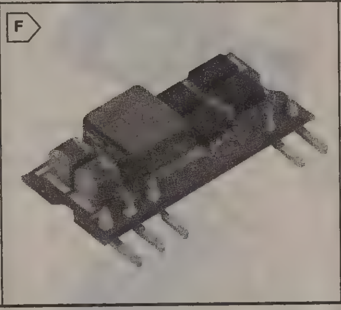
D



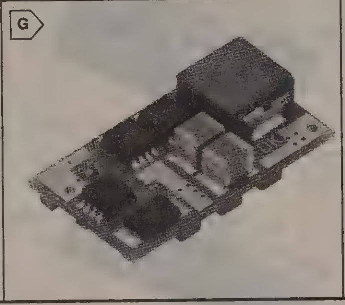
E



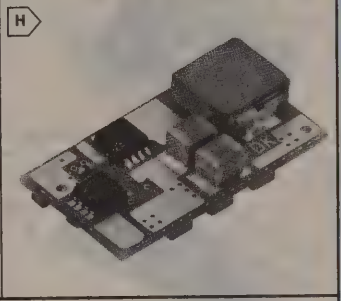
F



G

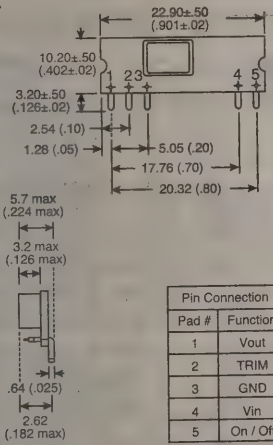


H



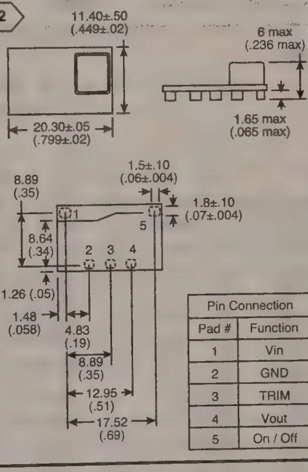
DIMENSIONS: mm (in.)

1


22.90±.50
(.901±.02)
10.20±.50
(.402±.02)
1
2 3
4 5
3.20±.50
(.126±.02)
2.54 (.10)
1.28 (.05)
5.05 (.20)
17.76 (.70)
20.32 (.80)
5.7 max
(.224 max)
3.2 max
(.126 max)
.64 (.025)
2.62
(.182 max)

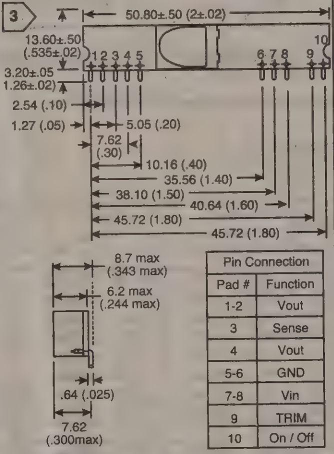
Pin Connection	
Pad #	Function
1	Vout
2	TRIM
3	GND
4	Vin
5	On / Off

2


11.40±.50
(.449±.02)
6 max
(.236 max)
20.30±.05
(.799±.02)
1.65 max
(.065 max)
8.89
(.35)
1.5±.10
(.06±.004)
1.8±.10
(.07±.004)
1
5
8.64
(.34)
2 3 4
1.26 (.05)
1.48
(.058)
4.83
(.19)
8.89
(.35)
12.95
(.51)
17.52
(.69)

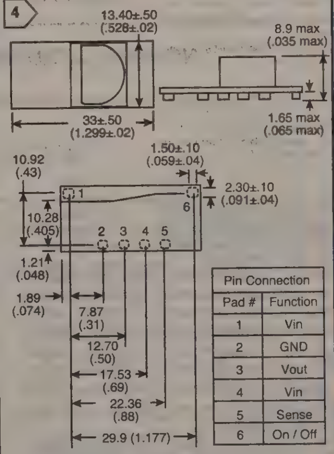
Pin Connection	
Pad #	Function
1	Vin
2	GND
3	TRIM
4	Vout
5	On / Off

3


50.80±.50 (2±.02)
13.60±.50
(.535±.02)
1 2 3 4 5
6 7 8
9
10
3.20±.05
1.26±.02)
2.54 (.10)
1.27 (.05)
5.05 (.20)
7.62
(.30)
10.16 (.40)
35.56 (1.40)
38.10 (1.50)
40.64 (1.60)
45.72 (1.80)
45.72 (1.80)
8.7 max
(.343 max)
6.2 max
(.244 max)
.64 (.025)
7.62
(.300max)

Pin Connection	
Pad #	Function
1-2	Vout
3	Sense
4	Vout
5-6	GND
7-8	Vin
9	TRIM
10	On / Off

4


13.40±.50
(.528±.02)
8.9 max
(.035 max)
33±.50
(1.299±.02)
1.65 max
(.065 max)
10.92
(.43)
1.50±.10
(.059±.04)
2.30±.10
(.091±.04)
1
6
10.28
(.405)
2 3 4 5
1.21
(.048)
1.89
(.074)
7.87
(.31)
12.70
(.50)
17.53
(.69)
22.36
(.88)
29.9 (1.177)

Pin Connection	
Pad #	Function
1	Vin
2	GND
3	Vout
4	Vin
5	Sense
6	On / Off

FUJITSU SENPAI SERIES NON-ISOLATED DC-DC CONVERTERS

Higher efficiency and higher power density with better thermal de-rating characteristics.

Features:

- Power density up to 600W/ cubic inch
- Wide input range voltage 6 to 14.0V
- No derating up to 85 degC
- High efficiency up to 96%, no heatsink required
- UL60950 recognition & DEMCO per IEC/EN60950
- RoHS compliant
- Industry standard footprint
- High reliability, MTBF = 1 Million Hours

RoHS Compliant

For quantities of 50 and up, call for quote.

SMT Non-isolated DC-DC Converters

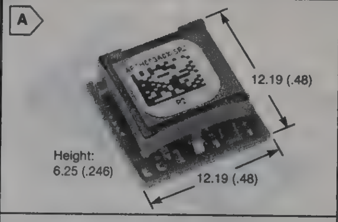
MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Input Voltage	Output Voltage	Output Current	On/Off Logic	Connector Type	Price Each 1	5	10	25
817-FPLR12TR7516NA	FPLR12TR7516NA	A3	6 - 14.0V	0.7525 - 5.0V	16A	Negative	SIP	22.90	21.72	20.32	18.52
817-FPLR12TR7516PA	FPLR12TR7516PA	A3	6 - 14.0V	0.7525 - 5.0V	16A	Positive	SIP	22.90	21.72	20.32	18.52
817-FPLR12SR7516NA	FPLR12SR7516NA	B4	6 - 14.0V	0.7525 - 5.0V	16A	Negative	SMD	22.90	21.72	20.32	18.52
817-FPLR12SR7516PA	FPLR12SR7516PA	B4	6 - 14.0V	0.7525 - 5.0V	16A	Positive	SMD	22.90	21.72	20.32	18.52
817-FPLR12TR7510NA	FPLR12TR7510NA	C3	6 - 14.0V	0.7525 - 5.0V	10A	Negative	SIP	18.81	17.84	16.69	15.22
817-FPLR12TR7510PA	FPLR12TR7510PA	C3	6 - 14.0V	0.7525 - 5.0V	10A	Positive	SIP	18.81	17.84	16.69	15.22
817-FPLR12SR7510NA	FPLR12SR7510NA	D4	6 - 14.0V	0.7525 - 5.0V	10A	Negative	SMD	18.81	17.84	16.69	15.22
817-FPLR12SR7510PA	FPLR12SR7510PA	D4	6 - 14.0V	0.7525 - 5.0V	10A	Positive	SMD	18.81	17.84	16.69	15.22
817-FPMR12TR7508NA	FPMR12TR7508NA	E1	6 - 14.0V	0.7525 - 5.0V	8A	Negative	SIP	14.72	13.96	13.06	11.91
817-FPMR12TR7508PA	FPMR12TR7508PA	E1	6 - 14.0V	0.7525 - 5.0V	8A	Positive	SIP	14.72	13.96	13.06	11.91
817-FPMR12SR7508NA	FPMR12SR7508NA	F2	6 - 14.0V	0.7525 - 5.0V	8A	Negative	SMD	14.72	13.96	13.06	11.91
817-FPMR12TR7505NA	FPMR12TR7505NA	G1	6 - 14.0V	0.7525 - 5.0V	5A	Negative	SIP	13.90	13.18	12.33	11.25
817-FPMR12TR7505PA	FPMR12TR7505PA	G1	6 - 14.0V	0.7525 - 5.0V	5A	Positive	SIP	13.90	13.18	12.33	11.25
817-FPMR12SR7505NA	FPMR12SR7505NA	H2	6 - 14.0V	0.7525 - 5.0V	5A	Negative	SMD	13.90	13.18	12.33	11.25

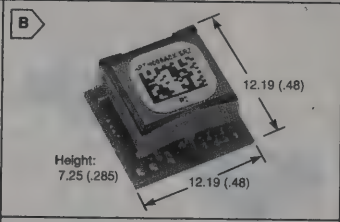
POWER SYSTEMS Non-Isolated DC-DC Converters

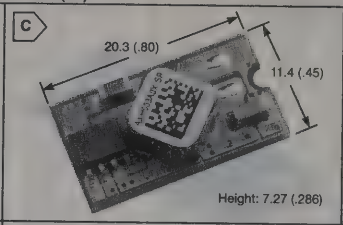
Tyco Electronics
Authorized Distributor

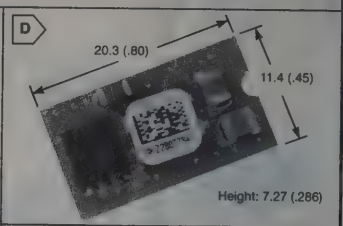
RoHS Compliant This page of product is compliant.

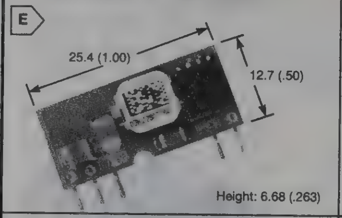
DIMENSIONS: mm (in.)

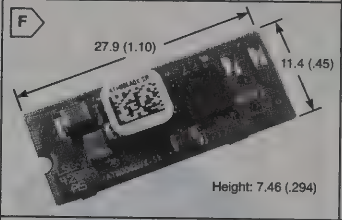
A


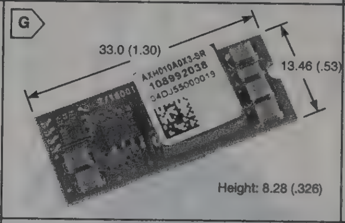
B


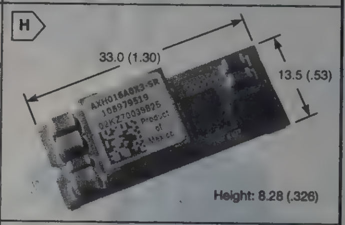
C


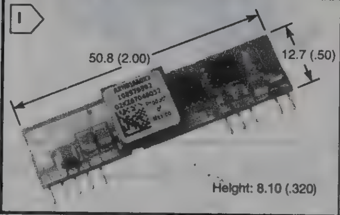
D


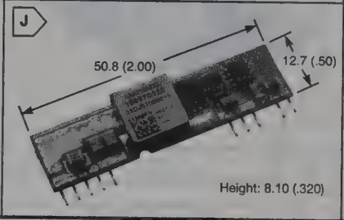
E


F


G


H


I


J


K

13.5 (.530)
33.0 (1.30)
Height: 9.10 (.360)

L

50.8 (2.00)
12.7 (.50)
Height: 14.0 (.550)

Tyco Electronics Authorized Distributor

NON-ISOLATED SMT AND SIP DC-DC CONVERTERS

The open-frame construction and small footprint enable designers to develop cost- and space-efficient solutions.

RoHS Compliant

Features:
- Programmable output voltage
- Remote On-Off
- Output overcurrent protection
- Temperature range (-40°C to 85°C)

For quantities of 100 and up, call for quote.

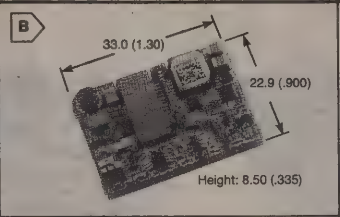
MOUSER STOCK NO.	Tyco Part No.	Fig.	Input Voltage	Output Voltage	Output Current/Power	Efficiency	On/Off Logic	Connector Type	Price Each		
									1	10	50
Austin PicoTLynx											
894-APTH003A0X-SRZ	APTH003A0X-SRZ	A	2.4 - 5.5Vdc	0.59 - 3.63Vdc	3A	95%	Negative	SMT	9.26	7.59	6.96
894-APTH006A0X-SRZ	APTH006A0X-SRZ	B	2.4 - 5.5Vdc	0.59 - 3.63Vdc	6A	93%	Negative	SMT	15.05	12.34	11.30
894-APXH003A0X-SRZ	APXH003A0X-SRZ	A	2.4 - 5.5Vdc	0.59 - 3.63Vdc	3A	95%	Negative	SMT	8.72	7.15	6.55
894-APXH006A0X-SRZ	APXH006A0X-SRZ	B	2.4 - 5.5Vdc	0.59 - 3.63Vdc	6A	93%	Negative	SMT	14.51	11.89	10.89
894-APTS003A0X-SRZ	APTS003A0X-SRZ	A	4.5 - 14Vdc	0.59 - 5.5Vdc	3A	91%	Negative	SMT	9.63	7.89	7.23
894-APTS006A0X-SRZ	APTS006A0X-SRZ	B	4.5 - 14Vdc	0.59 - 5.5Vdc	6A	91%	Negative	SMT	15.41	12.63	11.56
894-APXS003A0X-SRZ	APXS003A0X-SRZ	A	4.5 - 14Vdc	0.59 - 5.5Vdc	3A	91%	Negative	SMT	9.08	7.44	6.82
894-APXS006A0X-SRZ	APXS006A0X-SRZ	B	4.5 - 14Vdc	0.59 - 5.5Vdc	6A	91%	Negative	SMT	14.87	12.19	11.15
Austin MiniLynx											
894-AXH003A0X4-SRZ	AXH003A0X4-SRZ	C	2.4 - 5.5Vdc	0.75 - 3.63Vdc	3A	94%	Positive	SMT	7.26	6.40	6.06
894-AXH003A0X-SRZ	AXH003A0X-SRZ	C	2.4 - 5.5Vdc	0.75 - 3.63Vdc	3A	94%	Negative	SMT	7.14	6.30	5.97
894-AXA003A0X-SRZ	AXA003A0X-SRZ	D	8.3 - 14Vdc	0.75 - 5.5Vdc	3A	89%	Negative	SMT	7.58	6.68	6.32
Austin MicroLynx											
894-AXH005A0X-SRZ	AXH005A0X-SRZ	D	3.0 - 5.8Vdc	0.75 - 4.0 Vdc	5A	94%	- - -	SMT	12.10	10.40	9.70
894-AXA005A0X-SRZ	AXA005A0X-SRZ	D	10 - 14Vdc	0.75 - 5.5Vdc	5A	89%	Negative	SMT	12.10	10.40	9.70
894-AXH005A0XZ	AXH005A0XZ	E	3.0 - 5.5Vdc	0.75 - 3.63Vdc	5A	94%	Negative	SIP	12.10	10.40	9.70
894-AXA005A0XZ	AXA005A0XZ	E	10 - 14Vdc	0.75 - 5.5Vdc	5A	89%	Negative	SIP	12.10	10.40	9.70
Austin MicroLynx II											
894-ATA006A0X-SRZ	ATA006A0X-SRZ	F	8.3 - 14Vdc	0.75 - 5.5Vdc	6A	89%	- - -	SMT	13.80	11.60	10.55
894-ATA006A0XZ	ATA006A0XZ	E	8.3 - 14Vdc	0.75 - 5.5Vdc	6 A	89%	- - -	SIP	13.80	11.60	10.55
Austin Lynx											
894-AXH010A0X3-SRZ	AXH010A0X3-SRZ	G	3.0 - 5.5Vdc	0.75 - 3.63Vdc	10A	95%	- - -	SMT	15.80	13.90	13.05
894-AXA010A0X3-SRZ	AXA010A0X3-SRZ	H	10 - 14Vdc	0.75 - 5.5Vdc	10A	89%	- - -	SMT	15.80	13.90	13.05
894-AXB030X43-SRZ	AXB030X43-SRZ	H	18 - 30Vdc	3.0 - 6.0Vdc	30W	91%	Positive	SMT	23.00	20.19	19.16
894-AXB050X43-SRZ	AXB050X43-SRZ	H	20 - 30Vdc	5.0 - 15.0Vdc	50W	94%	Positive	SMT	23.30	20.50	19.45
894-AXA010A0X3Z	AXA010A0X3Z	I	10 - 14Vdc	0.75 - 5.5Vdc	10A	93%	- - -	TH	15.80	13.90	13.05
Austin Lynx II											
894-ATA010A0X3-SRZ	ATA010A0X3-SRZ	H	8.3 - 14Vdc	0.75 - 5.5Vdc	10A	93%	- - -	SMT	16.90	14.80	13.85
894-ATA010A0X3Z	ATA010A0X3Z	J	8.3 - 14Vdc	0.75 - 5.5Vdc	10 A	93%	Negative	SIP	16.90	14.80	13.85
Austin SuperLynx											
894-AXH016A0X3-SRZ	AXH016A0X3-SRZ	H	3.0 - 5.5Vdc	0.75 - 3.63Vdc	16A	95%	- - -	SMT	18.40	16.30	15.45
894-AXA016A0X3-SRZ	AXA016A0X3-SRZ	H	10 - 14Vdc	0.75V - 5.5Vdc	16A	92%	- - -	SMT	18.40	16.30	15.45
894-AXH016A0X3Z	AXH016A0X3Z	I	3.0 - 5.5Vdc	0.75 - 3.3Vdc	16A	95%	- - -	SIP	18.40	16.30	15.45
894-AXA016A0X3Z	AXA016A0X3Z	I	10 - 14Vdc	0.75 - 5.5Vdc	16A	92%	- - -	TH	18.40	16.30	15.45
Austin MegaLynx											
894-ATS030A0X3-SRZ	ATS030A0X3-SRZ	K	6.0 - 14Vdc	0.8 - 3.63Vdc	30A	92%	Negative	SMT	24.87	21.79	20.58
894-ATS030A0X3-SHRZ	ATS030A0X3-SRHZ	K	6.0 - 14Vdc	0.8 - 2.75Vdc	30A	92%	Negative	SMT	25.97	23.24	21.87
894-ATH025A0X3Z	ATH025A0X3Z	L	4.5 - 5.5Vdc	0.8 - 3.63Vdc	25A	93%	Negative	SIP	24.36	21.79	20.58
894-ATH030A0X3Z	ATH030A0X3Z	L	4.5 - 5.5Vdc	0.8 - 3.63Vdc	30A	93%	Negative	SIP	27.34	23.50	21.92
894-ATH030A0X3Z-PZ	ATH030A0X3-PZ	L	4.5 - 5.5Vdc	0.8 - 3.63Vdc	30A	93%	Negative	SIP	25.97	23.24	21.87
894-ATS025A0X3Z	ATS025A0X3Z	L	6.0 - 14Vdc	0.8 - 5.5Vdc	25A	93%	Negative	SIP	27.34	23.50	21.92
894-ATS025A0X3-PZ	ATS025A0X3-PZ	L	6.0 - 14Vdc	0.8 - 5.5Vdc	25A	93%	Negative	SIP	25.97	23.24	21.87

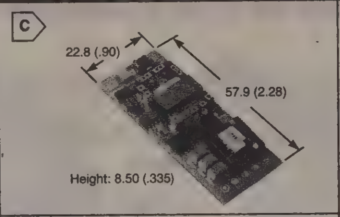
POWER SYSTEMS DC-DC Converters & Filter Modules

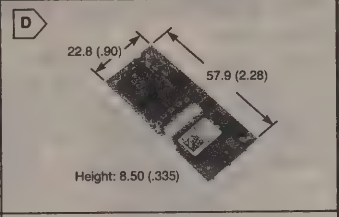
Tyco Electronics
Authorized Distributor

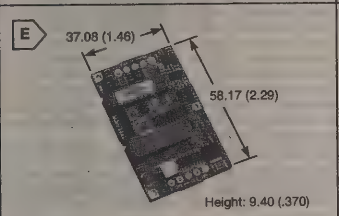
A

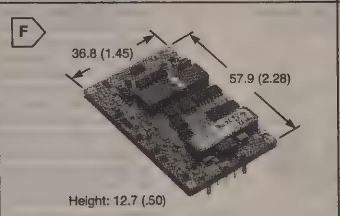
24.4 (.960)
27.9 (1.10)
Height: 8.50 (.335)

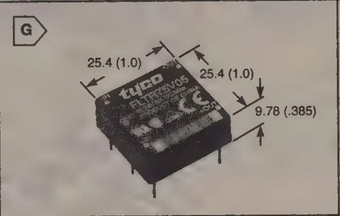
B


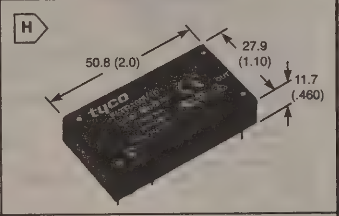
C


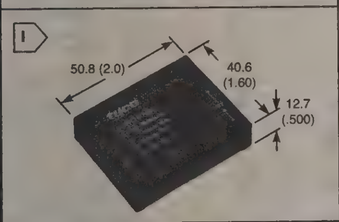
D


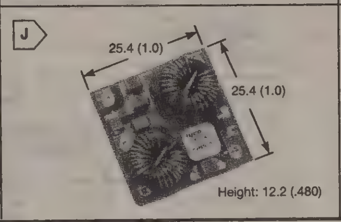
E


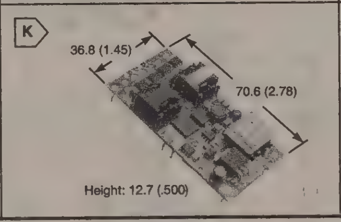
F


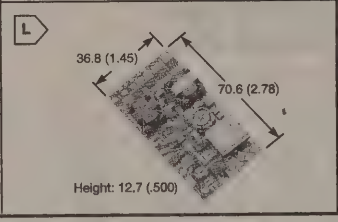
G


H


I


J


K


L


DIMENSIONS: mm (in.)

Tyco Electronics ISOLATED DC-DC CONVERTERS

RoHS Compliant

Features:
- Remote On/Off
- Output overcurrent/voltage protection
- Temperature range (-40°C to 85°C)

Sixteenth-Brick DC-DC Isolated Converter Power Modules

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Efficiency	On/Off Logic	Connector Type	Price Each 1	10	50
894-SC003A5F91Z	SC003A5F91Z	A	24V (18-36Vdc)	3.3V	3.5A	86%	Negative	Through Hole	25.90	22.40	21.35
894-SC003A0A91Z	SC003A0A91Z	A	24V (18-36Vdc)	5.0V	3.0A	86%	Negative	Through Hole	25.90	22.40	21.35
894-SW003A5F91Z	SW003A5F91Z	A	48V (36-75Vdc)	3.3V	3.5A	86%	Negative	Through Hole	25.90	22.40	21.35
894-SW003A5F91-SRZ	SW003A5F91-SRZ	A	48V (36-75Vdc)	3.3V	3.5A	86%	Negative	SMT (tape & reel)	25.90	22.40	21.35
894-KW015A0F41-SRZ	KW015A0F41-SRZ	B	48V (36-75Vdc)	3.3V	15A	91%	Negative	Surface mount	55.20	48.70	46.27
894-KW015A0F41Z	KW015A0F41Z	B	48V (36-75Vdc)	3.3V	15A	91%	Negative	Through Hole	55.20	48.70	46.27
894-SW003A0A91Z	SW003A0A91Z	A	48V (36-75Vdc)	5.0V	3.0A	86%	Negative	Through Hole	25.90	22.40	21.35
894-SW003A0A91-SRZ	SW003A0A91-SRZ	A	48V (36-75Vdc)	5.0V	3.0A	86%	Negative	SMT (tape & reel)	25.90	22.40	21.35
894-KW010A0A41Z	KW010A0A41Z	B	48V (36-75Vdc)	5.0V	10A	91%	Negative	Through Hole	55.20	48.70	46.27
894-SW001A2B91Z	SW001A2B91Z	A	48V (36-75Vdc)	12.0V	1.2A	86%	Negative	Through Hole	25.90	22.40	21.35

Eighth-Brick DC-DC Isolated Converter Power Modules

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Efficiency	On/Off Logic	Connector Type	Price Each 1	10	50
894-EQW020A0F1Z	EQW020A0F1Z	C	48V (36-75Vdc)	3.3V	20A	89%	Negative	Through Hole	60.60	57.05	53.50
894-EQW012A0A1Z	EQW012A0A1Z	C	48V (36-75Vdc)	5.0V	12A	91%	Negative	Through Hole	52.08	45.98	43.70
894-EQW006A0B1Z	EQW006A0B1Z	D	48V (36-75Vdc)	12.0V	6A	92%	Negative	Through Hole	52.08	45.98	43.70

Quarter-Brick DC-DC Isolated Converter Power Modules

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Input Voltage	Output Voltage	Output Current	Efficiency	On/Off Logic	Connector Type	Price Each 1	10	50
894-QRW025A0F1Z	QRW025A0F1Z	E	48V (36-75Vdc)	3.3V	25A	91%	Negative	Through Hole	71.30	63.00	59.85
894-QRW035A0F1Z	QRW035A0F1Z	F	48V (36-75Vdc)	3.3V	35A	91%	Negative	Through Hole	87.10	76.90	73.05
894-QPW050A0F1Z	QPW050A0F1Z	F	48V (36-75Vdc)	3.3V	50A	93%	Negative	Through Hole	106.00	96.00	91.00
894-QRW025A0A1Z	QRW025A0A1Z	F	48V (36-75Vdc)	5.0V	25A	92%	Negative	Through Hole	87.10	76.90	73.05
894-QRW010A0B1Z	QRW010A0B1Z	F	48V (36-75Vdc)	12.0V	10A	91%	Negative	Through Hole	87.10	76.90	73.05
894-QBW018A0B1Z	QBW018A0B1Z	F	48V (36-75Vdc)	12.0V	18A	93%	Negative	Through Hole	56.00	52.90	51.20

Tyco Electronics FILTER MODULES

RoHS Compliant

Filter Modules are designed to reduce the conducted common-mode and differential-mode noise on input or output lines of high-frequency switching power supplies.

Features:
- Printed-circuit board mountable
- Operating case temperature range: -40°C to +100°C
- Optimized for use with high-frequency dc-to-dc power modules
- Connector Type: Thru Hole

Filter Module

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Input Volt. max.	Output Current	Price Each 1	10	50
894-FLTR75V05Z	FLTR75V05Z	G	75Vdc	5A	17.00	15.00	14.15
894-FLTR100V10Z	FLTR100V10Z	H	75Vdc	10A	18.80	16.55	15.48
894-FLTR100V20Z	FLTR100V20Z	I	75Vdc	20A	28.10	25.20	23.58

Input Filter Modules

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Input Volt. max.	Output Current	Price Each 1	10	50
894-FLT007A0Z	FLT007A0Z	J	75Vdc	7A	11.90	11.10	10.90

Features:
- Inrush protection / hot swap capability
- Integral EMI filter designed for ATCA board to meet CISPR Class B
- Protection: under voltage, input transient over voltage, over current & over temperature

ATCA Board Power Input Modules

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Tyco Part No.	Fig.	Input Voltage	Auxiliary Power Rating	Auxiliary Output Voltage	Auxiliary Output Current	Connector Type	Price Each 1	10	50
894-PIM200FZ	PIM200FZ	K	-38 to -75 Vdc	200W	3.3Vdc	2.4A	Through Hole	68.00	60.00	57.00
894-PIM300FZ	PIM300FZ	L	-38 to -75 Vdc	300W	3.3Vdc	2.4A	Through Hole	87.69	76.84	72.55
894-PIM300AZ	PIM300AZ	L	-38 to -75 Vdc	300W	5.0Vdc	1.6A	Through Hole	87.69	76.84	72.55

VISHAY FunctionPAK™ DC-DC Converters

SINGLE OUTPUT FULLY INTEGRATED DC-DC CONVERTERS

FX5545 Series

Simplified LAB Assembly Configuration for all Models

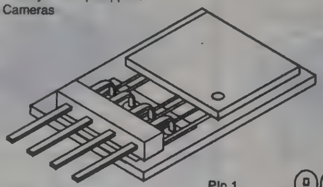
The DC/DC converter is a programmable topology synchronized Buck or Boost converter for today's continuous changing electronic market. The DC/DC converter provides flexibility of utilizing various battery configurations and chemistries such as NiCd, NiMH, or Li+ with input voltage range of 2.5V to 6V. An additional flexibility is provided with topology programmability to power multiple loads such as power amplifiers, microcontrollers, or baseband logic IC's. For ultra-high efficiency, converters are designed to operate in synchronous rectified PWM mode under full load while transforming into externally controlled pulse-skipping mode (PSM) under light load. The DC/DC converter is available in 20-ports BGA package for production. Convenient 8-pin plug-in modules are available for prototyping. In order to satisfy the stringent ambient temperature requirements, the DC/DC converter is designed to handle the industrial temperature range of -40°C to +85°C, with no cooling or derating.

Features:

- Specially designed for prototyping in LABs with limited assembly equipment
- Fully integrated DC/DC converter
- No external components required
- Buck and Boost configurations
- High efficiency over large load range 100% duty cycle
- Power density - more than 380W/inch³
- 1μA shutdown current
- 2.5V to 6V input range (1Li+ and 3-cell NiCd or NiMH cells)
- 0.9V to 6V output voltage
- Programmable PWM/PSM controls
- Low output ripple
- 1260 Temperature range: -40°C to +85°C
- Standard socket construction or plug-in for prototype (use BGA for production)
- Output power 10W
- Maximum continuous current 3A

Applications:

- Cordless phones, PDAs and others
- Supply voltage source for low-voltage chip sets
- Point of Load (POL) applications such as drivers for FPGA's, microprocessors, DSP's, amplifiers, etc.
- Portable computers
- Battery back-up supplies
- Cameras

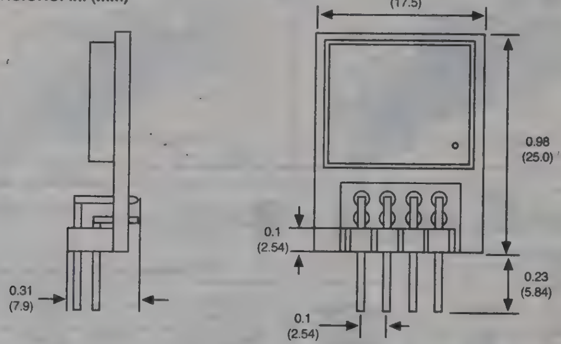


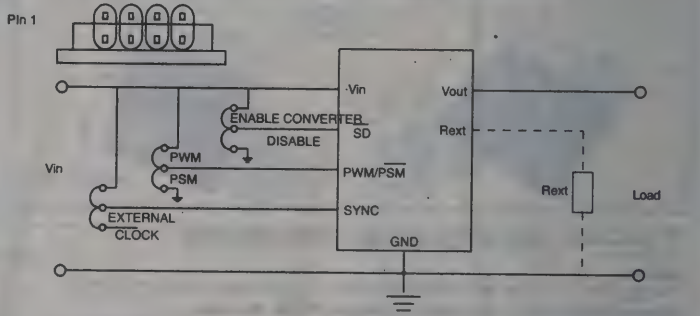
What is FunctionPAK™?

FunctionPAK is the generic name of the multichip module (MCM) product lines offered by Vishay. The name was chosen to emphasize two things:

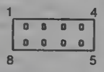
1. The products offered are complete circuit functions, not partial solutions. DC/DC converters offered by many other integrated circuit (IC) manufacturers are silicon chips that provide the base circuit application. However, the end user must then select the approximately 18 other components that surround the silicon device in order to make it a complete circuit solution. The selection of those components and the board layout affect the resultant performance, so that the efficiency defined by the IC manufacturer is not the same as the efficiency achieved in the customer's complete circuit. When purchased as a complete function, a single package contains all circuit components and is fully tested with all circuit performance parameters defined exactly as used in the customer's system.
2. The products are offered as complete circuits in monolithic packages with all the resultant savings in design time, purchasing, stocking, assembly, board space, testing, etc. It is worth noting that many applications are developed by digital engineers who prefer to leave integration to the analog engineers and appreciate the opportunity to obtain a complete circuit in one package.

DIMENSIONS: in. (mm)





PIN No:	Description
1	Vout
2	GND
3	Vin
4	PWM
5	SD
6	SYNC
7	GND
8	Rext



Use Standard Strip 0.1" (2.54) Centers,
Double Row, All Positions Filled

PIN DESCRIPTION	
PIN	DESCRIPTION
SD	Logic low on SD pin shuts down the FunctionPAK completely and decreases current consumption to less than 1μA.
PWM/$\overline{\text{PSM}}$	Logic high =PWM mode, logic low =PSM mode. In PSM mode synchronous rectification is disabled.
SYNC	Externally controlled synchronization signal. Logic high to low transition forces the clock synchronization. If not used the pin must be connected to Vin or logic high.
Vin	Input supply voltage
Vout	Output voltage
GND	Ground
Rext.	Included inside the package for all fixed output voltage converters. To be added externally for all self-selected output voltages.

MOUSER STOCK NO.	Vishay Part No.	Circuit Identifier	Type	Output (Volts)	Power (Watts)	Output (Amps)	Input (Volts)	Output Volts at Amps	Price Each			
									1	5	10	25
70-FX5545G0011V5PI	FX5545G0011V5PI	G001	BUCK	1.5	1.5	0.6	2.5 - 6.0	1.5 at 0.6 max	31.50	27.00	18.00	16.20
70-FX5545G0011V8PI	FX5545G0011V8PI	G001	BUCK	1.8	1.5	0.6	2.5 - 6.0	1.8 at 0.6 max	31.50	27.00	18.00	16.20
70-FX5545G001ADJPI	FX5545G001ADJPI	G001	BUCK	1.35-4.5	1.5	0.6	2.5 - 6.0	1.35-4.5 at 0.6 max	31.50	27.00	18.00	16.20
70-FX5545G0025V0PI	FX5545G0025V0PI	G002	BOOST	5	1.5	0.3	2.5 - 6.0	5 at 0.3 max	31.50	27.00	18.00	16.20
70-FX5545G002ADJPI	FX5545G002ADJPI	G002	BOOST	3.3-6.0	1.5	0.3	2.5 - 6.0	3.3-6.0 at 0.3 max	31.50	27.00	18.00	16.20
70-FX5545G0051V5PI	FX5545G0051V5PI	G005	BUCK	1.5	5.0	1.5	2.5 - 6.0	1.5 at 1.5 max	31.50	27.00	18.00	16.20
70-FX5545G0051V8PI	FX5545G0051V8PI	G005	BUCK	1.8	5.0	1.5	2.5 - 6.0	1.8 at 1.5 max	31.50	27.00	18.00	16.20
70-FX5545G006ADJPI	FX5545G006ADJPI	G006	BOOST	3.3-6.0	7.5	1.5	2.5 - 6.0	3.3-6.0 at 1.5 max	31.50	27.00	18.00	16.20
70-FX5545G0081V5PI	FX5545G0081V5PI	G008	BUCK	1.5	3.6	3.0	2.5 - 6.0	1.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G0081V8PI	FX5545G0081V8PI	G008	BUCK	1.8	3.6	3.0	2.5 - 6.0	1.8 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G008ADJPI	FX5545G008ADJPI	G008	BUCK	1.35-4.5	3.6	3.0	2.5 - 6.0	1.35-4.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G018ADJPI	FX5545G018ADJPI	G018	BUCK	0.9-1.3	3.6	3.0	2.5 - 6.0	0.9-1.3 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G1051V5PI	FX5545G1051V5PI	G105	BUCK	1.5	6.5	2.0	2.5 - 6.0	1.5 at 2.0 max	31.50	27.00	18.00	16.20
70-FX5545G1051V8PI	FX5545G1051V8PI	G105	BUCK	1.8	6.5	2.0	2.5 - 6.0	1.8 at 2.0 max	31.50	27.00	18.00	16.20
70-FX5545G106ADJPI	FX5545G106ADJPI	G106	BOOST	3.3-6.0	10.0	2.0	2.5 - 6.0	3.3-6.0 at 2.0 max	31.50	27.00	18.00	16.20
70-FX5545G108ADJPI	FX5545G108ADJPI	G108	BUCK	1.35-4.5	1.5	4	2.5-6.0	1.35-4.5 at 4.0 max	31.50	27.00	18.00	16.20
70-FX5545G2011V5PI	FX5545G2011V5PI	G201	BUCK	1.5	3.0	1.0	2.5 - 6.0	1.5 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G2011V8PI	FX5545G2011V8PI	G201	BUCK	1.8	3.0	1.0	2.5 - 6.0	1.8 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G2013V3PI	FX5545G2013V3PI	G201	BUCK	3.3	3	1	2.5-6.0	3.3 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G201ADJPI	FX5545G201ADJPI	G201	BUCK	1.35-4.5	3.0	1.0	2.5 - 6.0	1.35-4.5 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G202ADJPI	FX5545G202ADJPI	G202	BOOST	3.3-6.0	3.0	0.6	2.5 - 6.0	3.3-6.0 at 0.6 max	31.50	27.00	18.00	16.20
70-FX5545G2051V5PI	FX5545G2051V5PI	G205	BUCK	1.5	8.0	2.5	2.5 - 6.0	1.5 at 2.5 max	31.50	27.00	18.00	16.20
70-FX5545G2051V8PI	FX5545G2051V8PI	G205	BUCK	1.8	8.0	2.5	2.5 - 6.0	1.8 at 2.5 max	31.50	27.00	18.00	16.20
70-FX5545G205ADJPI	FX5545G205ADJPI	G205	BUCK	1.35-4.5	8.0	2.5	2.5 - 6.0	1.35-4.5 at 2.5 max	31.50	27.00	18.00	16.20
70-FX5545G206ADJPI	FX5545G206ADJPI	G206	BOOST	3.3-6.0	15	2.5	2.5-6.0	3.3-6.0 at 2.5 max	31.50	27.00	18.00	16.20
70-FX5545G3051V5PI	FX5545G3051V5PI	G305	BUCK	1.5	10.0	3.0	2.5 - 6.0	1.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3051V8PI	FX5545G3051V8PI	G305	BUCK	1.8	10.0	3.0	2.5 - 6.0	1.8 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3052V0PI	FX5545G3052V0PI	G305	BUCK	2	10.0	3.0	2.5 - 6.0	2 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3052V5PI	FX5545G3052V5PI	G305	BUCK	2.5	10.0	3.0	2.5 - 6.0	2.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3052V7PI	FX5545G3052V7PI	G305	BUCK	2.7	10.0	3.0	2.5 - 6.0	2.7 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3053V3PI	FX5545G3053V3PI	G305	BUCK	3.3	10.0	3.0	2.5 - 6.0	3.3 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G3053V6PI	FX5545G3053V6PI	G305	BUCK	3.6	10.0	3.0	2.5 - 6.0	3.6 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G305ADJPI	FX5545G305ADJPI	G305	BUCK	1.35-4.5	10.0	3.0	2.5 - 6.0	1.35-4.5 at 3.0 max	31.50	27.00	18.00	16.20
70-FX5545G4025V0PI	FX5545G4025V0PI	G402	BOOST	5.0	5	1	2.5-6.0	5.0 at 1.0 max	31.50	27.00	18.00	16.20
70-FX5545G402ADJPI	FX5545G402ADJPI	G402	BOOST	3.3-6.0	5.0	1.0	2.5 - 6.0	3.3-6.0 at 1.0 max	31.50	27.00	18.00	16.20

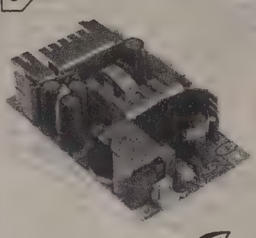
A

RoHS Compliant

B

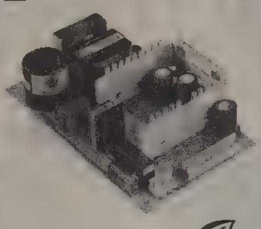
RoHS Compliant

C



RoHS Compliant

D



RoHS Compliant

E

RoHS Compliant

ARTESYN NFS AND NLP SERIES AC/DC UNIVERSAL INPUT SWITCH MODE POWER SUPPLIES

NFS and NLP Series power supplies are compact, high-efficiency switch-mode designs. All of the AC/DC power supplies feature a universal input- making them suitable for use anywhere in the world- and most above 40W are available with harmonic current correction to meet the EN61000-3-2 standard.

Specification:

- Over voltage and short circuit protection
- Medical Safety Approvals: UL60601-1, C222 No.601.1-M90, VDE0750, IEC60601-1 and EN60601-1

30-40 Watt, 5.0 x 3.0 x 1.2 in (127.0 x 76.2 x 30.48 mm)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output			Ripple (mV)	Price Each			
			1	2	3		1	10	25	50
826-NFS40-7605J	NFS40-7605J	A	5.1V @ 6A	---	---	1%	50.00	45.75	41.75	38.63
826-NFS40-7612J	NFS40-7612J	A	12V @ 3.3A	---	---	1%	50.00	45.75	41.75	38.63
826-NFS40-7624J	NFS40-7624J	A	24V @ 1.6A	---	---	1%	50.00	45.75	41.75	38.63
826-NFS40-7608J	NFS40-7608J	A	5.1V @ 3A	12V @ 2A	-12V @ 0.35A	1%	46.00	42.09	38.41	32.45
826-NFS40-7610J	NFS40-7610J	A	5.1V @ 3A	15V @ 2A	-15V @ 0.35A	1%	52.00	47.58	43.42	38.63
826-NFS40-7628J	NFS40-7628J	A	5.1V @ 4A	12V @ 0.35A	-12V @ 0.35A	1%	52.00	47.58	43.42	38.63
Medical										
826-NFS40-7912J	NFS40-7912J	A	12V @ 3.3A	---	---	1%	60.00	54.90	50.10	41.72
826-NFS40-7908J	NFS40-7908J	A	5.1V @ 3A	12V @ 2A	-12V @ 0.35A	1%	64.00	58.56	53.44	41.72
826-NFS40-7910J	NFS40-7910J	A	5.1V @ 3A	15V @ 2A	-15V @ 0.35A	1%	64.00	58.56	53.44	41.72

40-50 Watt, 4.25 x 2.50 x 1.15 in (107.95 x 63.50 x 29.21 mm)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output			Output Current (Max)	Ripple (mV)	Price Each			
			1	2	3			1	10	25	50
826-NLP40-7612J	NLP40-7612J	B	+12V	---	---	3.3A	120	51.50	47.12	43.00	38.88
826-NLP40-7610J	NLP40-7610J	B	+5V	---	---	4.0A	50	51.50	47.12	43.00	38.88
			---	+15V		1.6A	150				
		---	---	-15V	0.2A	150					

65-74 Watt, 5.0 x 3.0 x 1.26 in (127.0 x 76.2 x 32.0 mm)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output			Output Current (Max)	Ripple (mV)	Price Each			
			1	2	3			1	10	25	50
826-NLP65-7612J	NLP65-7612J	C	+12V	---	---	5.40A	120	70.04	64.09	58.48	52.53
826-NLP65-7608J	NLP65-7608J	C	+5V	---	---	7.50A	50	67.98	62.20	56.76	51.32
			---	+12V	---	2.50A	150				
			---	---	-12V	0.65A	120				
Harmonic Corrected											
826-NLP65-9610J	NLP65-9610J	C	+5V	---	---	7.50A	50	70.04	64.09	58.66	52.88
			---	+15V	---	2.20A	150				
			---	---	-15V	0.65A	150				

84-110 Watt, 7.0 x 4.25 x 1.8 in (177.80 x 107.95 x 45.72 mm)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output				Ripple (mV)	Price Each			
			1	2	3	4		1	10	25	50
826-NFS110-7601J	NFS110-7601PJ	D	5.1V @ 8A	12V @ 4.5A	-12V @ 0.5A	-5V @ 0.5A	1%	125.60	114.92	104.88	92.70
826-NFS110-7602PJ	NFS110-7602PJ	D	5.1V @ 8A	24V @ 3.5A	12V @ 4.5A	-12V @ 0.5A	1%	125.60	114.92	104.88	92.70
826-NFS110-7604J	NFS110-7604PJ	D	5.1V @ 8A	15V @ 4A	-15V @ 0.5A	-5V @ 0.5A	1%	125.60	114.92	104.88	92.70
Medical											
826-NFS110-7912J	NFS110-7912J	D	12V @ 7A	---	---	---	1%	127.72	116.86	106.65	95.79
826-NFS110-7901PJ	NFS110-7901PJ	D	5.1V @ 8A	12V @ 4.5A	-12V @ 0.5A	-5V @ 0.5A	1%	127.72	116.86	106.65	95.79
826-NFS110-7902PJ	NFS110-7902PJ	D	5.1V @ 8A	24V @ 3.5A	12V @ 4.5A	-12V @ 0.5A	1%	127.72	116.86	106.65	95.79

ARTESYN TLP150 SERIES 150W COMMERCIAL/MEDICAL SWITCHERS

The TLP150 series offers up to 150 watts of output power. Its 5 x 3 x 1.25 in (127.0 x 76.2 x 31.75 mm) form-factor makes it suitable for use in low profile applications, such as IU rack equipment.

Specification:

- Active PFC and EN61000-3-2 compliant
- Integrated control and monitoring feature
- Overcurrent, overvoltage and overtemperature protection

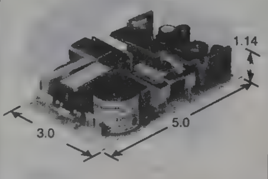
For quantities of 100 and up, call for quote.

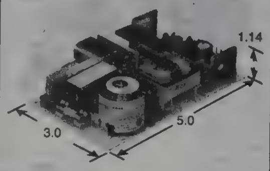
MOUSER STOCK NO.	Artesyn Part No.	Fig.	Output Voltage	Output Current			Ripple (mV)	Total Regulation	Price Each			
				Min	Max (free air)	Max (forced air)			1	10	25	50
826-TLP150R-96S12J	TLP150R-96S12J	E	12V	0A	8.4A	12.5A	120	±3.0%	160.00	144.00	133.33	96.26
826-TLP150R-96S24J	TLP150R-96S24J	E	24V	0A	4.2A	6.3A	240	±3.0%	160.00	144.00	133.33	96.26
826-TLP150R-96S48J	TLP150R-96S48J	E	48V	0A	2.1A	3.2A	480	±3.0%	160.00	144.00	133.33	96.26
Medical												
826-TLP150N-99S12J	TLP150N-99S12J	E	12V	0A	8.4A	12.5A	120	±3.0%	176.00	158.40	146.67	104.63
826-TLP150N-99S24J	TLP150N-99S24J	E	24V	0A	4.2A	6.3A	240	±3.0%	176.00	161.04	146.96	92.07

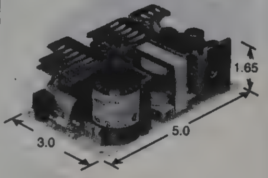
ASTEC Power Supplies

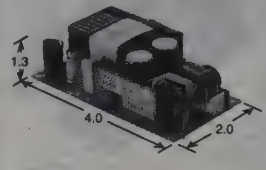
EMERSON. Network Power
ASTEC

DIMENSIONS: In.

A


B


C


D


E

ASTEC LPS25 SERIES, 25W SINGLE OUTPUT

Specifications:
- AC Input Voltage: 85-264VAC
- AC Input Frequency: 47-440Hz
- Efficiency: 70% typical @ full load
- AC Input Connector: 538-09-50-8031
- DC Output Connector: 538-09-50-8061

Features:
- Remote sence
- Built in EMI filter (CISPR 22 Class B)
- Adjustable Output
- Overvoltage and overload protection
- 110KHz switching frequency

RoHS Compliant

* With Convection Cooling

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Astec Part No.	Fig.	Output Voltage	Minimum Load	Maximum Load*	Price Each		
						1	10	25
826-LPS22	LPS22	A	5V	0A	5A	40.48	35.88	33.12
826-LPS23	LPS23	A	12V	0A	2.1A	40.48	35.88	33.12
826-LPS24	LPS24	A	15V	0A	1.7A	40.48	35.88	33.12
826-LPS25	LPS25	A	24V	0A	1.1A	40.48	35.88	33.12

ASTEC LP40 SERIES, 40W SINGLE & TRIPLE OUTPUT

Specifications:
- AC Input Voltage: 85-264VAC
- AC Input Frequency: 47-440Hz
- Efficiency: 70% typical @ full load
- AC Input Connector: 538-09-50-8031
- DC Output Connector: 538-09-50-8061

Features:
- Remote sence
- Built in EMI filter
- Adjustable Output
- Overvoltage and overload protection
- 110KHz switching frequency

RoHS Compliant

* With Convection Cooling

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Astec Part No.	Fig.	Output Voltage	Minimum Load	Maximum Load*	Price Each		
						1	10	25
826-LPS41	LPS41	B	3.3V	0A	8A	44.00	38.75	36.00
826-LPS42	LPS42	B	5V	0A	8A	44.00	38.75	36.00
826-LPS43	LPS43	B	12V	0A	3.3A	44.00	38.75	36.00
826-LPS44	LPS44	B	15V	0A	2.6A	44.00	38.75	36.00
826-LPS45	LPS45	B	24V	0A	1.7A	44.00	38.75	36.00
826-LPS48	LPS48	B	48V	0A	0.9A	44.00	38.75	36.00
826-LPT41	LPT41	B	+3.3V +5V +12V	0.5A 0A 0A	4A 1.5A 0.5A	53.40	48.00	43.50
826-LPT42	LPT42	B	+5V +12V -12V	0.4A 0.2A 0A	4A 2A 0.5A	40.48	35.65	33.12
826-LPT43	LPT43	B	+5V +12V -12V	0.5A 0A 0A	6A 0.5A 0.5A	45.76	40.30	37.44
826-LPT44	LPT44	B	+5V +12V -5V	0.4A 0.2A 0A	4A 2A 0.5A	45.76	40.30	37.44
826-LPT45	LPT45	B	+5V +15V -15V	0.4A 0.2A 0A	4A 2A 0.5A	45.76	40.30	37.44
826-LPT46	LPT46	B	+5V +24V +12V	0.4A 0.1A 0A	4A 1A 0.5A	45.76	40.30	37.44
826-LPT47	LPT47	B	+5V +24V -12V	0.4A 0.2A 0A	4A 1A 0.5A	45.76	40.30	37.44

ASTEC LPS60 SERIES, 60W SINGLE OUTPUT

Specifications:
- AC Input Voltage: 85-264VAC
- AC Input Frequency: 47-440Hz
- Efficiency: 70% typical @ full load
- AC Input Connector: 538-09-50-8031
- DC Output Connector: 538-09-50-8061

Features:
- Remote sence
- Built in EMI filter
- Adjustable Output
- Overvoltage and overload protection
- 110KHz switching frequency

RoHS Compliant

* With Convection Cooling

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Astec Part No.	Fig.	Output Voltage	Minimum Load	Maximum Load*	Price Each		
						1	10	25
826-LPS61	LPS61	C	3.3V	2A	12A	58.00	51.09	47.46
826-LPS62	LPS62	C	5V	0A	12A	58.00	51.09	47.46
826-LPS63	LPS63	C	12V	0A	5A	58.00	51.09	47.46
826-LPS64	LPS64	C	15V	0A	4A	58.00	51.09	47.46
826-LPS65	LPS65	C	24V	0A	2.5A	58.00	51.09	47.46
826-LPS68	LPS68	C	48V	0A	1.3A	58.00	51.09	47.46

ASTEC LP50 SERIES, 60W SINGLE OUTPUT & 50W TRIPLE OUTPUT

Specifications:
- AC Input Voltage: 90-264VAC
- AC Input Frequency: 47-440Hz
- Efficiency: 80% typical @ full load
- AC Input Connector: 538-09-50-8031
- DC Output Connector: 538-09-50-8061

Features:
- Short circuit protection
- Built in EMI filter (CISPR 22 Class B)
- LED power good indicator
- Complies with EN61000-3-2
- UL Class I approved

RoHS Compliant

* With Convection Cooling

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Astec Part No.	Fig.	Output Voltage	Minimum Load	Maximum Load*	Price Each		
						1	10	25
826-LPS52	LPS52	D	5V	0A	11A	49.13	41.98	38.95
826-LPS53	LPS53	D	12V	0A	5A	49.13	41.98	38.95
826-LPS54	LPS54	D	15V	0A	4A	49.13	41.98	38.95
826-LPS55	LPS55	D	24V	0A	2.5A	49.13	41.98	38.95
826-LPS58	LPS58	D	48V	0A	1.25A	49.13	41.98	38.95
826-LPT51	LPT51	E	+3.3V +5V +12V	0.8A 0.1A 0A	8A 3A 0.5A	53.36	47.85	44.37
826-LPT52	LPT52	E	+5V +12V -12V	0.5A 0.1A 0A	8A 3A 0.5A	53.36	47.85	44.37
826-LPT53	LPT53	E	+5V +15V -15V	0.5A 0.1A 0A	8A 2.4A 0.5A	53.36	47.85	44.37
826-LPT54	LPT54	E	+5V +24V +12V	0.5A 0.1A 0A	8A 1.5A 0.5A	53.36	47.85	44.37

Medical Version
- Medical safety approvals

826-LPS52-M	LPS52-M	D	5V	0A	11A	58.20	53.40	49.55
826-LPS53-M	LPS53-M	D	12V	0A	5A	58.20	53.40	49.55
826-LPS54-M	LPS54-M	D	15V	0A	4A	58.20	53.40	49.55
826-LPS55-M	LPS55-M	D	24V	0A	2.5A	58.20	53.40	49.55
826-LPS58-M	LPS58-M	D	48V	0A	1.25A	58.20	53.40	49.55
826-LPT51-M	LPT51-M	E	+3.3V +5V +12V	0.8A 0.1A 0A	8A 3A 0.5A	62.56	56.10	52.02
826-LPT52-M	LPT52-M	E	+5V +12V -12V	0.5A 0.1A 0A	8A 3A 0.5A	62.56	56.10	52.02
826-LPT53-M	LPT53-M	E	+5V +15V -15V	0.5A 0.1A 0A	8A 2.4A 0.5A	62.56	56.10	52.02
826-LPT54-M	LPT54-M	E	+5V +24V +12V	0.5A 0.1A 0A	8A 1.5A 0.5A	62.56	56.10	52.02

ASTEC LPT60 SERIES, 60W TRIPLE OUTPUT

Specifications:
- AC Input Voltage: 85-264VAC
- AC Input Frequency: 47-440Hz
- Efficiency: 70% typical @ full load
- AC Input Connector: 538-09-50-8031
- DC Output Connector: 538-09-50-8061

Features:
- Remote sence on main output
- Built in EMI filter
- Adjustable main output
- Overvoltage and overload protection
- 110KHz switching frequency

RoHS Compliant

* With Convection Cooling

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Astec Part No.	Fig.	Output Voltage	Minimum Load	Maximum Load*	Price Each		
						1	10	25
826-LPT61	LPT61	C	+3.3V +5V +12V	0.7A 0A 0A	5A 2.5A 0.5A	69.67	60.57	56.36
826-LPT62	LPT62	C	+5V +12V -12V	0.7A 0.3A 0A	7A 3A 0.7A	52.57	46.30	43.01
826-LPT63	LPT63	C	+5V +15V -15V	0.7A 0.3A 0A	7A 2.8A 0.7A	61.64	54.28	50.43
826-LPT64	LPT64	C	+5V +12V -5V	0.7A 0.3A 0A	7A 3A 0.7A	61.64	54.28	50.43
826-LPT65	LPT65	C	+5V +24V +12V	0.7A 0.1A 0A	7A 1.5A 0.7A	61.64	54.28	50.43

C&D TECHNOLOGIES AC-DC Power Supplies

RoHS Compliant **This page of product is compliant.**

D1U SERIES - AC/DC FRONT-END POWER SUPPLIES

D1U Series Front-End Power Supply Offers High Functionality in Compact 1U Enclosure Designed to deliver reliable bulk power to servers, workstations, storage systems or any 12V distributed power architecture systems requiring high power density. The highly efficient electrical and thermal design with internal cooling fans supports reliable operation conditions. The D1U series is designed to auto-recover from over-current and over-temperature faults. Status information is provided with front panel LEDs, logic signals and I2C management interface. Three units can be packaged into an optional 19" 1U power shelf to provide up to 3.6kW of power.

Features:
- 1200W (110VAC), 1600W and 2000W (220VAC)
- 48V Main output wit 3.3V, 5V OR 12V standby
- 1U enclosure with integrated fans
- High power density
- 90.6% efficiency
- Optional 1U 19 in. power-shelf
- RoHS Compliant per C&D Technologies documentation

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	C&D Technologies Part No.	Fig.	Power Output	Main Output	Standby Output	Price Each	
						1	5
580-D1UW120012-HA2C	D1U-W-1200-12-HA2C	A	1200W	12V	5V	**800.00**	**727.27**
580-D1UW120012-HC2C	D1U-W-1200-12-HC2C	A	1200W	12V	3.3V	**800.00**	**727.27**
580-D1UW120048-HA2C	D1U-W-1200-48-HA2C	A	1200W	48V	5V	**800.00**	**727.27**
580-D1UW120048-HB2C	D1U-W-1200-48-HB2C	A	1200W	48V	12V	**800.00**	**727.27**
580-D1UW120048-HC2C	D1U-W-1200-48-HC2C	A	1200W	48V	3.3V	**800.00**	**727.27**
580-D1UW160012-HA2C	D1U-W-1600-12-HA2C	A	1600W	12V	5V	**875.00**	**795.27**
580-D1UW160012-HC2C	D1U-W-1600-12-HC2C	A	1600W	12V	3.3V	**875.00**	**795.27**
580-D1UW160048-HA2C	D1U-W-1600-48-HA2C	A	1600W	48V	5V	**875.00**	**795.27**
580-D1UW160048-HB2C	D1U-W-1600-48-HB2C	A	1600W	48V	12V	**875.00**	**795.27**
580-D1UW160048-HC2C	D1U-W-1600-48-HC2C	A	1600W	48V	3.3V	**875.00**	**795.27**
580-D1UW200048-HA2C	D1U-W-2000-48-HA2C	A	2000W	48V	5V	**925.00**	**840.91**
580-D1UW200048-HB2C	D1U-W-2000-48-HB2C	A	2000W	48V	12V	**925.00**	**840.91**
580-D1UW200048-HC2C	D1U-W-2000-48-HC2C	A	2000W	48V	3.3V	**925.00**	**840.91**

D1U SERIES ACCESSORIES

Output Connector Card

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	C&D Technologies Part No.	Fig.	Description	Price Each	
				1	5
580-D1U-12-CONC	D1U-12-CONC	- - -	D1U 12V Output Connector Card	**50.00**	**45.45**
580-D1U-48-CONC	D1U-48-CONC	- - -	D1U 48V Output Connector Card	**50.00**	**45.45**

Power Shelf

The S1U-3X powershelf simplifies design and helps shorten time-to-market for distributed power architecture applications in the servers, storage networking and data communications markets.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	C&D Technologies Part No.	Fig.	Description	Price Each	
				1	5
S1U-3X-16-A-12-RC	S1U-3X-16-A-12-RC	B	AC/DC 12V Power Shelf	**761.36**	**697.91**
S1U-3X-16-A-48-RC	S1U-3X-16-A-48-RC	B	AC/DC 48V Power Shelf	**761.36**	**697.91**

CPCI SERIES - RACK MOUNT AC POWER SUPPLIES

CPCI Series is a rack-mount cPCI for telecommunications and industrial applications. At C&D Technologies we have risen to the challenge of delivering high-performance, high-reliability integrated power supply solutions that address the reliability requirements of high-availability, rack-mount CompactPCI systems in the telecommunications and industrial arena.

Features:
- Wide range 90-264VAC input
- High reliability, power supplies for 3U & 6U cPCI systems
- Hot-swap capable
- No minimun load
- Output individually protected against overloads; auotmatic recovery
- RoHS Compliant per C&D Technologies documentation

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	C&D Technologies Part No.	Fig.	Power	Input Range	Input Current	Price Each	
						1	5
580-CPCI200A-1C	cPCI200A-1C	C	200W	90-264VDC	3A	**455.17**	**440.00**
580-CPCI200D-1C	cPCI200D-1C	C	180W	36-72VDC	7A	**653.62**	**594.20**
580-CPCI200D-2C	cPCI200D-2C	C	225W	36-72VDC	7A	**653.62**	**594.20**
580-CPCI200D-3C	cPCI200D-3C	C	180W	36-72VDC	7A	**711.38**	**646.71**
580-CPCI200D-4C	cPCI200D-4C	C	225W	36-72VDC	7A	**711.38**	**646.71**
580-CPCI325D-1C	cPCI325D-1C	C	325W	36-75VDC	12A	**784.88**	**713.53**
580-CPCI350D-1C	cPCI350D-1C	C	350W	36-72VDC	15A	**745.50**	**677.73**
580-CPCI420D-1C	cPCI420D-1C	C	420W	36-72VDC	15A	**771.76**	**701.60**
580-CPCI500D-1C	cPCI500D-1C	C	500W	36-72VDC	15A	**1336.12**	**1214.65**
580-CPCI500D-2C	cPCI500D-2C	C	500W	36-72VDC	15A	**1336.12**	**1214.65**
580-CPCI500D-3C	cPCI500D-3C	C	500W	36-72VDC	15A	**1401.76**	**1274.33**
580-CPCI500D-4C	cPCI500D-4C	C	500W	36-72VDC	15A	**1401.76**	**1274.33**
580-CPCI500D-5C	cPCI500D-5C	C	500W	36-72VDC	15A	**1336.12**	**1214.65**
580-CPCI500D-6C	cPCI500D-6C	C	500W	36-72VDC	15A	**1336.12**	**1214.65**

NMPD01 SERIES - POWER OVER ETHERNET PD MODULES

The NMPD01 series of power extraction modules has full functional compliance with IEEE802.3af. They are designed to extract power from CAT5 Ethernet cable when sourced by a Power Sourcing Equipment (PSE) also conforming to IEEE802.3af. The NMPD01 series removes the need for localised equipment power source, significantly reducing installation costs. The IEEE802.3af standard allows for two power options, one on the data lines, the other on the spare pair. The NMPD01 series can have voltage input on the data lines or spare pairs. The NMPD01 series provides full signature and control as required by the PSE.

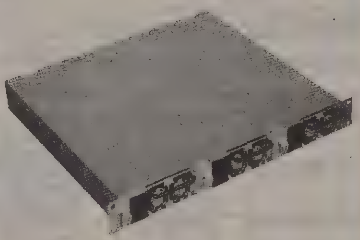
Features:
- Isolated DC output
- 3.3V, 5V, 12V & 15V output options
- IEEE802.3af full fucntional compliance
- Thermal shutdown
- RoHS Compliant per C&D Technologies documentation

For quantities of 10 and up, call for quote.

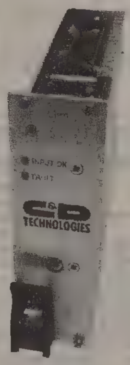
MOUSER STOCK NO.	C&D Technologies Part No.	Fig.	Nominal Input Voltage	Output Voltage	Maximum Power	Price Each	
						1	5
580-NMPD0103C	NMPD0103C	D	48V	3.4V	9.50W	**37.23**	**37.03**
580-NMPD0105C	NMPD0105C	D	48V	5.1V	9.75W	**37.23**	**37.03**
580-NMPD0112C	NMPD0112C	D	48V	12.1V	10.00W	**37.23**	**37.03**
580-NMPD0115C	NMPD0115C	D	48V	15.1V	10.00W	**37.23**	**37.03**

A

B



C



D

CINCON Power Supplies

RoHS Compliant This page of product is compliant.

40W OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input: 90~264VAC
- Efficiency to 88%
- Meets CISPR/FCC Class B and EN 55022 Class B

Specifications:
- Inrush Current: 50A Max. @ 264 VAC
- Input Frequency: 47 to 63Hz
- Continuous Short Circuit Protection
- Line Regulation: ± 0.5% max
- Load Regulation: ± 1.0% max

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Volt.	Output Current	% Effic.	Price Each			
						1	10	50	100
418-CFM40S033	CFM40S033	A	3.3	6A	74	31.85	27.83	25.71	21.37
418-CFM40S050	CFM40S050	A	5	6A	78	31.85	27.83	25.71	21.37
418-CFM40S090	CFM40S090	A	9	4.45A	82	31.85	27.83	25.71	21.37
418-CFM40S120	CFM40S120	A	12	3.34A	84	31.85	27.83	25.71	21.37
418-CFM40S150	CFM40S150	A	15	2.67A	85	31.85	27.83	25.71	21.37
418-CFM40S240	CFM40S240	A	24	1.67A	86	31.85	27.83	25.71	21.37
418-CFM40S300	CFM40S300	A	30	1.33A	86	31.85	27.83	25.71	21.37
418-CFM40S360	CFM40S360	A	36	1.11A	87	31.85	27.83	25.71	21.37
418-CFM40S480	CFM40S480	A	48	0.834A	88	31.85	27.83	25.71	21.37

40W DUAL / TRIPLE OUTPUT AC-DC OPEN FRAME POWER SUPPLIES

Features:
- Universal Input: 90~264VAC
- Efficiency to 75%
- Meets CISPR/FCC Class B and EN 61204-3 Class B
- Industry Standard Pin Out

Specifications:
- Inrush Current: 50A max @ 264VAC
- Input Frequency: 47 to 63Hz
- Short Circuit/Over Load Protection: On All Outputs (Auto Recovery)
- 2 x 4 Inch Footprint

RoHS Compliant

For quantities of 200 and up, call for quote.

Dual Output									
418-CFM40D-01	CFM40D-01	B	5V(V1) 12V(V2)	3.2A 2.0A	77	37.95	36.50	35.10	33.75
418-CFM40D-02	CFM40D-02	B	5V(V1) 24V(V2)	3.2A 1.0A	78	37.95	36.50	35.10	33.75
Triple Output									
418-CFM40T-01	CFM40T-01	B	5V(V1) 12V(V2) -5V(V3)	3.0A 2.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-02	CFM40T-02	B	5V(V1) 12V(V2) -12V(V3)	3.0A 2.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-03	CFM40T-03	B	5V(V1) 15V(V2) -15V(V3)	3.0A 1.5A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-04	CFM40T-04	B	5V(V1) 24V(V2) -12V(V3)	3.0A 1.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-05	CFM40T-05	B	5V(V1) 24V(V2) -5V(V3)	3.0A 1.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-06	CFM40T-06	B	5V(V1) 24V(V2) 12V(V3)	3.0A 1.0A 0.3A	75	39.95	38.50	37.10	35.75
418-CFM40T-07	CFM40T-07	B	3.3V(V1) 5V(V2) -12V(V3)	5.0A 2.0A 0.3A	70	39.95	38.50	37.10	35.75

60W OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input: 90~264VAC
- Efficiency to 88%
- Meets CISP/FCC Class B and EN 55022 Class B

Specifications:
- Inrush Current: 50A Max. @ 264 VAC
- Input Frequency: 47 to 63Hz
- Continuous Short Circuit Protection
- Line Regulation: ± 0.5% max
- Load Regulation: ± 1.0% max

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Volt.	Output Current	% Effic.	Price Each			
						1	5	25	100
418-CFM60S033	CFM60S033	C	3.3	8A	74	34.25	32.11	29.97	26.76
418-CFM60S050	CFM60S050	C	5	8A	78	34.25	32.11	29.97	26.76
418-CFM60S090	CFM60S090	C	9	6.67A	82	34.25	32.11	29.97	26.76
418-CFM60S120	CFM60S120	C	12	5A	84	34.25	32.11	29.97	26.76
418-CFM60S150	CFM60S150	C	15	4A	85	34.25	32.11	29.97	26.76
418-CFM60S240	CFM60S240	C	24	2.5A	86	34.25	32.11	29.97	26.76
418-CFM60S300	CFM60S300	C	30	2A	86	34.25	32.11	29.97	26.76
418-CFM60S360	CFM60S360	C	36	1.67A	87	34.25	32.11	29.97	26.76
418-CFM60S480	CFM60S480	C	48	1.25A	88	34.25	32.11	29.97	26.76

100W OPEN FRAME AC-DC POWER SUPPLIES WITH PFC

Features:
- Universal Input: 90~264VAC
- Efficiency 85% typical
- Meets CISPR/FCC Class B and EN 61204-3 Class B

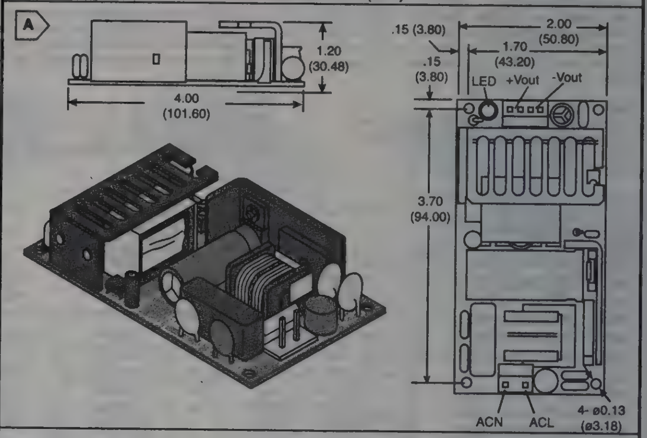
Specifications:
- Inrush Current: 80A max @ 264VAC
- Continuous Short Circuit Protection
- Input Frequency: 47 to 63Hz
- Over Voltage Protection: Auto Recovery

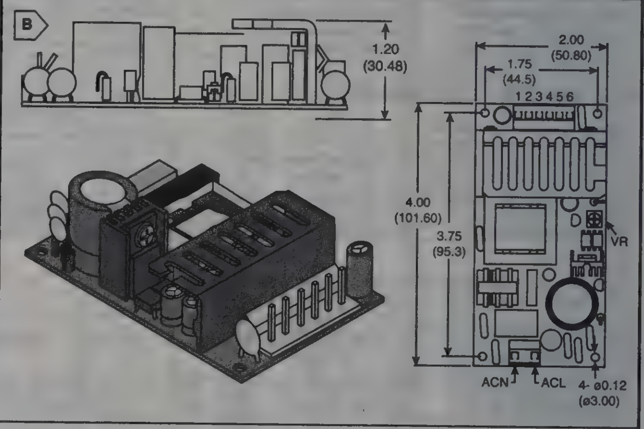
RoHS Compliant

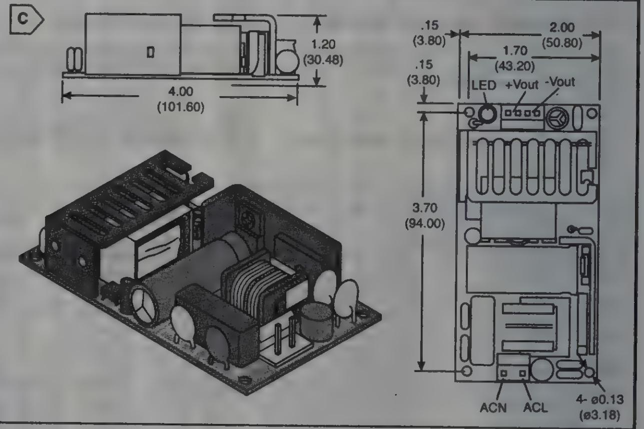
For quantities of 200 and up, call for quote.

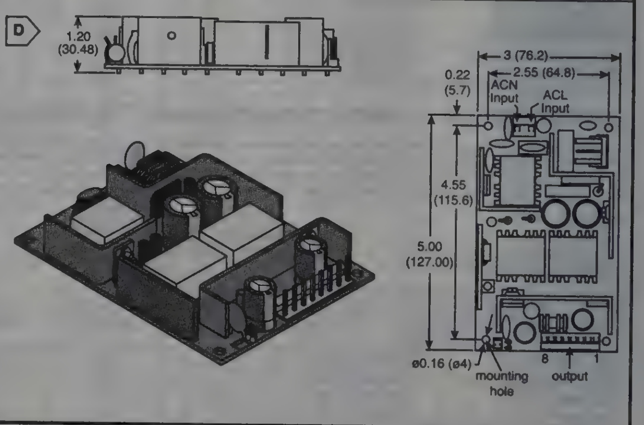
MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Volt.	Output Current	% Effic.	Price Each			
						1	10	50	100
418-CFM100S050	CFM100S050	D	5	20A	85	74.95	71.25	67.75	64.50
418-CFM100S090	CFM100S090	D	9	11.2A	85	74.95	71.25	67.75	64.50
418-CFM100S120	CFM100S120	D	12	8.4A	85	74.95	71.25	67.75	64.50
418-CFM100S150	CFM100S150	D	15	6.7A	85	74.95	71.25	67.75	64.50
418-CFM100S180	CFM100S180	D	18	5.6A	85	74.95	71.25	67.75	64.50
418-CFM100S240	CFM100S240	D	24	4.2A	85	74.95	71.25	67.75	64.50
418-CFM100S480	CFM100S480	D	48	2.1A	85	74.95	71.25	67.75	64.50

DIMENSIONS: In. (mm)









CINCON Open Frame AC-DC Power Supplies

RoHS Compliant This page of product is compliant.

5W OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input: 85~264 VAC
- PCB Mountable
- Efficiency to 77% Typical
- Meets EN 55022 Class B

Specifications:
- Inrush Current: 40A Max. @ 240 VAC
- Input Frequency: 47 to 63Hz
- Continuous Short Circuit Protection
- Line Regulation ± 0.5% max
- Load Regulation ± 1.0% max
- Operating Temperature Range: 0~70°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Voltage	Output Current	% Efficiency	Price Each			
						1	5	25	100
418-CFM05S033	CFM05S033	A	3.3	1.25A	77%	17.11	14.98	13.58	12.35
418-CFM05S050	CFM05S050	A	5.0	1.0A	77%	17.11	14.98	13.58	12.35
418-CFM05S120	CFM05S120	A	12.0	0.42A	77%	17.11	14.98	13.58	12.35
418-CFM05S150	CFM05S150	A	15.0	0.33A	77%	17.11	14.98	13.58	12.35
418-CFM05S240	CFM05S240	A	24.0	0.23A	77%	17.11	14.98	13.58	12.35

10W OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input: 85~264 VAC
- PCB Mountable
- Efficiency to 82%
- Meets EN 55022 Class B

Specifications:
- Inrush Current: 20A Max. @ 115 VAC, 40A Max. @ 230 VAC
- Input Frequency: 47 to 63Hz
- Continuous Short Circuit Protection
- Line Regulation ± 0.5% max
- Load Regulation ± 1.0% max
- Operating Temperature Range: 0~40°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Voltage	Output Current	% Efficiency	Price Each			
						1	5	25	100
418-CFM1007S	CFM1007S	B	3.3	2500mA	65	19.27	17.13	14.99	12.85
418-CFM1001S	CFM1001S	B	5	2000mA	70	19.27	17.13	14.99	12.85
418-CFM1009S	CFM1009S	B	9	1120mA	72	19.27	17.13	14.99	12.85
418-CFM1002S	CFM1002S	B	12	840mA	75	19.27	17.13	14.99	12.85
418-CFM1003S	CFM1003S	B	15	670mA	75	19.27	17.13	14.99	12.85
418-CFM1005S	CFM1005S	B	24	420mA	78	19.27	17.13	14.99	12.85

15W OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input: 85~264 VAC
- PCB Mountable
- Efficiency to 82%
- Meets EN 55022 Class B

Specifications:
- Inrush Current: 20A Max. @ 115 VAC, 40A Max. @ 230 VAC
- Input Frequency: 47 to 63 Hz
- Continuous Short Circuit Protection
- Line Regulation ± 0.5% max
- Load Regulation ± 1.0% max
- Operating Temperature Range: 0~40°C

RoHS Compliant

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Voltage	Output Current	% Efficiency	Price Each			
						1	5	25	100
418-CFM1507S	CFM1507S	C	3.3	3000mA	70	19.25	17.11	14.97	12.83
418-CFM1501S	CFM1501S	C	5	3000mA	73	19.25	17.11	14.97	12.83
418-CFM1509S	CFM1509S	C	9	1670mA	75	19.25	17.11	14.97	12.83
418-CFM1502S	CFM1502S	C	12	1250mA	80	19.25	17.11	14.97	12.83
418-CFM1503S	CFM1503S	C	15	1000mA	80	19.25	17.11	14.97	12.83
418-CFM1505S	CFM1505S	C	24	630mA	82	19.25	17.11	14.97	12.83

20W OPEN FRAME AC-DC SWITCHING POWER SUPPLIES

Features:
- Universal Input: 85~264 VAC
- Efficiency to 82%
- Meets EN 55022 Class B

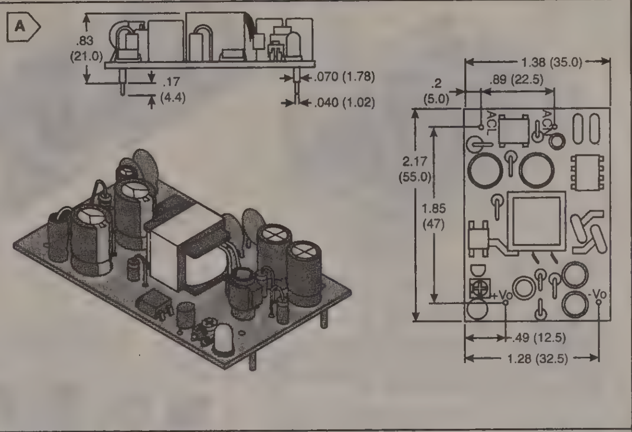
Specifications:
- Inrush Current: 40A Max. @ 230 VAC
- Input Frequency: 47 to 63 Hz
- Continuous Short Circuit Protection
- Line Regulation ± 0.5% max
- Load Regulation ± 1.0% max

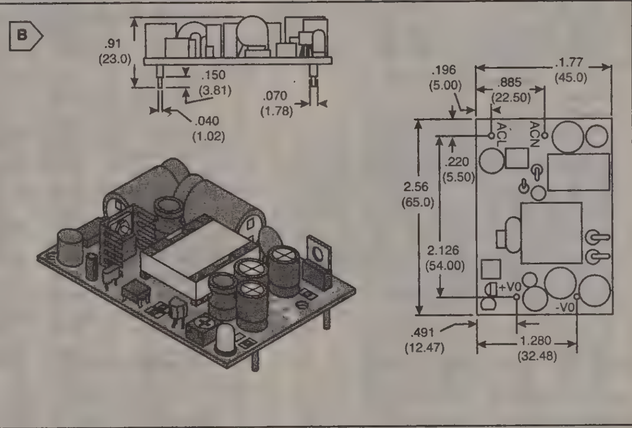
RoHS Compliant

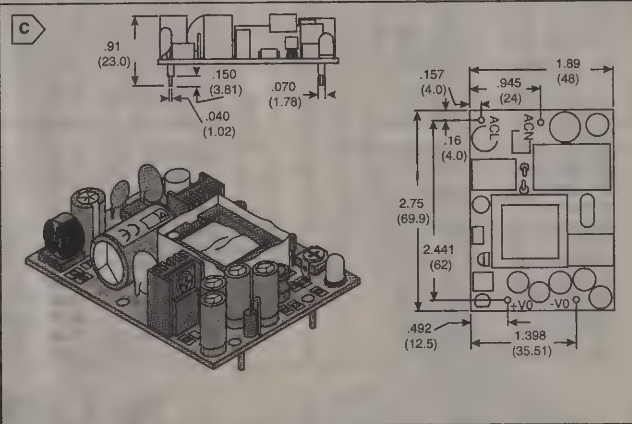
For quantities of 200 and up, call for quote.

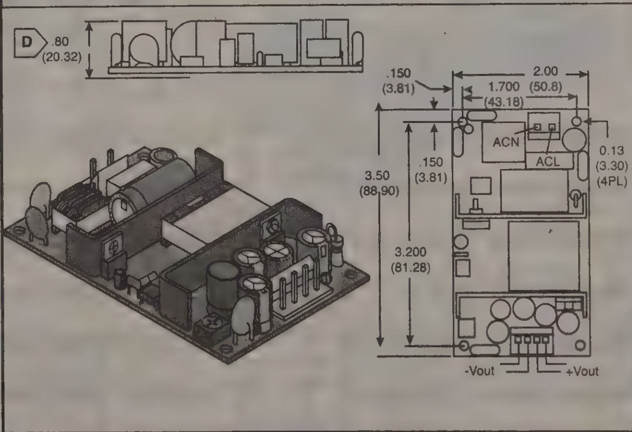
MOUSER STOCK NO.	Cincon Part No.	Fig.	Output Voltage	Output Current	% Efficiency	Price Each			
						1	5	25	100
418-CFM2007S	CFM2007S	D	3.3	4400mA	70	20.33	18.72	17.65	16.05
418-CFM2001S	CFM2001S	D	5	4400mA	73	20.33	18.72	17.65	16.05
418-CFM2009S	CFM2009S	D	9	2450mA	77	20.33	18.72	17.65	16.05
418-CFM2002S	CFM2002S	D	12	1800mA	80	20.33	18.72	17.65	16.05
418-CFM2003S	CFM2003S	D	15	1400mA	80	20.33	18.72	17.65	16.05
418-CFM2005S	CFM2005S	D	24	920mA	82	20.33	18.72	17.65	16.05

DIMENSIONS: in. (mm)

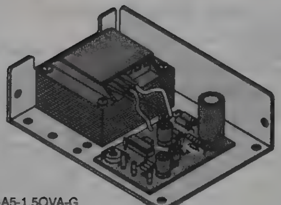


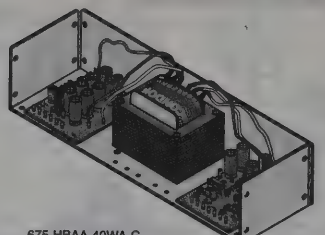


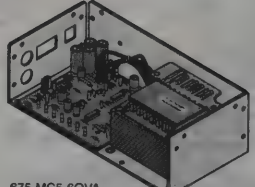


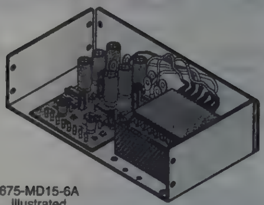


CONDOR Linear Power Supplies


675-HA5-1.5OVA-G
Illustrated


675-HBAA-40WA-G
Illustrated


675-MC5-6OVA
Illustrated


675-MD15-6A
Illustrated

Specifications:
- AC Input:100, 120 & 240VAC: +10%, -13%; 215VAC: +12%, -11 %; 47 to 63Hz
  Tolerance for 230VAC operation is +15%, -10%
  Derate output current 10% for 50Hz operation
- Line Regulation: ±0.05% for a 10% change
- Load Regulation: ± 0.05% for a 50% load change
- Temperature Rating: 0 to 50°C full rated, derated linearly to 40% at 70°C
- Efficiency: 5V units: 45%; 12 and 15V units: 55%; 20 and 24V units: 60%
- -G suffix models are RoHS Compliant

Features:
- World-wide AC input ranges and safety standards
- Burn-in with cycling; 3-year warranty
- Transformer insulation meets Class F (155°C)
- Exceed FCC & CISPR22 Class B conducted emissions
- Approved to UL 1950, CSA 22.2 No. 234 Level 3, and IEC 950

Single Output

* Requires fan cooling
** May require fan cooling

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Condor Part No.	Output		Dimensions (in)	Price Each	
		Voltage	Amps		1	10
675-HA5-1.5OVA-G	HA5-1.5/OV-A+G	5	1.5	4.88x4.00x1.63	37.92	34.63
675-HB5-3OVA-G	HB5-3/OV-A+G	5	3	4.88x4.00x1.63	40.45	39.24
675-HC5-6OVA-G	HC5-6/OV-A+G	5	6	5.63x4.88x2.50	65.49	63.55
675-HB12-1.7A-G	HB12-1.7-A+G	12	1.7	4.88x4.00x1.63	40.45	39.24
675-HC12-3.4A-G	HC12-3.4-A+G	12	3.4	5.63x4.88x2.50	59.53	57.75
675-HD12-6.8A-G	HD12-6.8-A+G	12	6.8	4.88x9.00x2.75	95.31	92.48
* 675-HE12-10.2A	HE12-10.2-A+	12	10.2	4.88x14.00x2.75	130.48	126.60
675-HA15-0.9A-G	HA15-0.9-A+G	15	0.9	4.88x4.00x1.63	35.86	34.63
675-HB15-1.5A-G	HB15-1.5-A+G	15	1.5	4.88x4.00x1.63	40.45	39.24
675-HC15-3A-G	HC15-3-A+G	15	3	5.63x4.88x2.50	59.53	57.75
675-HN15-4.5A-G	HN15-4.5-A+G	15	4.5	4.88x7.00x2.75	83.38	80.91
675-HD15-6A-G	HD15-6-A+G	15	6	4.88x9.00x2.75	95.31	92.48
* 675-HE15-9A-G	HE15-9-A+G	15	9	4.88x14.00x2.75	130.48	126.60
* 675-F15-15A	F15-15-A+	15	15	4.88x16.75x3.50	201.98	196.45
675-HA24-0.5A-G	HA24-0.5-A+G	24	0.5	4.88x4.00x1.63	37.92	34.63
675-HB24-1.2A-G	HB24-1.2-A+G	24	1.2	4.88x4.00x1.63	40.45	39.24
675-HC24-2.4A-G	HC24-2.4-A+G	24	2.4	5.63x4.88x2.50	59.53	57.75
675-HD24-4.8A-G	HD24-4.8-A+G	24	4.8	4.88x9.00x2.75	95.31	92.48
* 675-HE24-7.2A-G	HE24-7.2-A+G	24	7.2	4.88x14.00x2.75	130.48	126.60
* 675-F24-12A	F24-12-A+	24	12	4.88x16.75x3.50	201.98	196.45
675-HB28-1A-G	HB28-1.0-A+G	28	1	4.88x4.00x1.63	40.45	39.24
675-HC28-2A-G	HC28-2-A+G	28	2	5.63x4.88x2.50	59.53	57.75
675-HN28-3A-G	HN28-3-A+G	28	3	4.88x7.00x2.75	83.38	80.91
675-HD28-4A	HD28-4-A+	28	4	4.88x9.00x2.75	95.34	92.48
675-HE28-6A-G	HE28-6-A+G	28	6	4.88x14.00x2.75	130.48	126.60
* 675-HB48-0.5A-G	HB48-0.5-A+G	48	0.5	4.88x4.00x1.63	46.27	44.89
675-HD48-3A-G	HD48-3-A+G	48	3	4.88x9.00x2.75	100.12	97.13
Medical						
675-ML5-1OVA	ML5-1-OV-A	5	1	4.25x3.25x1.80	46.51	45.12
675-MB5-3OVA	MB5-3-OV-A	5	3	4.88x4.00x1.63	56.05	54.36
675-MC5-6OVA	MC5-6-OV-A	5	6	5.63x4.88x2.50	71.55	69.41
675-ML12-0.5A	ML12-0.5-A	12	0.5	4.25x3.25x1.80	46.51	45.12
675-MB12-1.7A	MB12-1.7-A	12	1.7	4.88x4.00x1.63	56.05	54.36
675-MC12-3.4A	MC12-3.4-A	12	3.4	5.63x4.88x2.50	71.55	69.41
675-ML15-0.4A	ML15-0.4-A	15	0.4	4.25x3.25x1.80	46.51	45.12
675-MB15-1.5A	MB15-1.5-A	15	1.5	4.86x4.00x1.63	56.05	54.36
675-MD15-6A	MD15-6-A	15	6	4.88x9.00x2.75	110.91	107.58
675-MB24-1.2A	MB24-1.2-A	24	1.2	4.88x4.00x1.63	56.05	54.36
675-MC24-2.4A	MC24-2.4-A	24	2.4	5.63x4.88x2.50	71.55	69.41
675-MD24-4.8A	MD24-4.8-A	24	4.8	4.88x9.00x2.75	110.91	107.58

Triple Output

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Condor Part No.	Output		Dimensions (in)	Price Each	
		Voltage	Amps		1	10
675-HTAA-16WA-G	HTAA-16W-A+-G	5 +12~15 -12~15	2 .4/.4 .4/.4	6.50x4.00x1.80	65.49	63.55
675-HBAA-40WA-G	HBAA40W-A+-G	5 +12~15 -12~15	3 1/.8 1/.8	4.00x10.25x2.50	90.53	87.85
675-HCBB-105WA-G	HCBB105W-A+-G	5 +12~15 -12~15	3 3.4/3 3.4/3	4.88x11.00x2.75	121.44	116.75
675-HCAA-60WA-G	HCAA60W-A+-G	5 +12~15 -12~15	6 1/.8 1/.8	4.88x9.00x2.75	107.22	104.04
675-CP131A	CP131-A+	5 +12~15 -12~15	8 1.7/1.5 1.7/1.5	4.88x11.00x2.75	143.00	138.75
675-HDBB-105WA-G	HDBB105W-A+-G	5 +12~15 -12~15	12 1.7/1.5 1.7/1.5	4.88x14.25x2.75	160.89	156.09
675-HDCC-150WA-G	HDCC150W-A+-G	5 +12~15 -12~15	12 3.4/3 3.4/3	4.88x15.00x3.75	184.74	179.34

Dual Output

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Condor Part No.	Output		Dimensions (in)	Price Each	
		Voltage	Amps		1	10
675-HAA5-1.5OVA-G	HAA5-1.5/OV-A+-G	5 5	1.5 1.5	6.50x4.00x1.80	59.85	56.63
675-HAA512A-G	HAA512-A+-G	5 9-15	2 0.5	6.50x4.00x1.80	59.53	56.56
675-HBB512A-G	HBB512-A+-G	5 9-15	3 1.2	7.00x4.88x2.50	71.50	69.35
** 675-HCC512A-G	HCC512-A+-G	5 9-15	6 2.5	4.88x9.38x2.75	113.19	109.82
** 675-HAA524A-G	HAA524-A+-G	5 18-24	2 0.3	6.50x4.00x1.80	59.53	56.56
675-HBB524A-G	HBB524-A+-G	5 18-24	3 0.8	7.00x4.88x2.50	72.59	70.46
675-HCC524A-G	HCC524-A+-G	5 18-24	6 2	4.88x9.38x2.75	113.19	109.82
675-HAD12-0.4A-G	HAD12-0.4-A+-G	+12 -12	0.4 0.4	4.88x4.00x1.63	44.26	43.23
675-HAD15-0.4A-G	HAD15-0.4-A+-G	+15 -15	0.4 0.4	4.88x4.00x1.63	44.26	43.23
675-HAA15-0.8A-G	HAA15-0.8-A+-G	+12~15 -12~15	1/.8 1/.8	6.50x4.00x1.80	51.22	49.69
675-HBB15-1.5A-G	HBB15-1.5-A+-G	+12~15 -12~15	1.7/1.5 1.7/1.5	7.00x4.88x2.50	65.53	63.56
675-HCC15-3A-G	HCC15-3-A+-G	+12~15 -12~15	3.4/3 3.4/3	4.88x9.38x2.75	104.83	101.71
* 675-HDD15-5A-G	HDD15-5-A+-G	+12~15 -12~15	5 5	4.88x14.00x2.75	154.33	149.73
675-HAA24-0.6A-G	HAA24-0.6-A+-G	+18~24 -18~24	.4/0.6 .4/0.6	6.50x4.00x1.80	50.02	48.54
Medical						
675-MAA512A	MAA512-A	5 9-15	2 0.5	6.50x4.00x1.80	72.74	70.57
675-MLL15-0.2A	MLL15-0.2-A	+15 -15	0.2 0.2	4.25x3.25x1.80	54.86	53.21
675-MAA15-0.8A	MAA15-0.8-A	+12/15 12/15	1/.8 1/.8	6.50x4.00x1.80	63.21	61.31
675-MCC15-3A	MCC15-3-A	+12/15 -12/15	3.43/3	4.88x9.38x2.75	121.63	118.00

Triple Output - Medical

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Condor Part No.	Output		Dimensions (in)	Price Each	
		Voltage	Amps		1	10
675-MTLL-5WA	MTLL-5W-A	+5 +12~15 -12~15	0.5 0.1 0.1	4.25x3.25x1.80	63.21	61.31
675-MTAA-16WA	MTAA-16W-A	5 +12~15 -12~15	2 0.4 0.4	6.50x4.00x1.80	78.71	76.35
675-MBAA-40WA	MBAA40W-A	5 +12/15 -12/15	3 1/.8 1/.8	4.00x10.25x2.50	104.95	101.78

OVERVOLTAGE PROTECTION

Features:
- Adjustable from 6.2V to 33VDC
- Mounts directly on power supply chassis
- One OVP module is required for both single and dual output power supplies
- Protects up to a maximum continuous current of 8A and up to 12A intermittent current
- For use on 12V to 28V and ±12V and 15V models

RoHS Compliant

Dual Output

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Condor Part No.	Description	Price Each	
			1	10
675-OV12-G	OV12-G	Overvoltage protection module	8.89	8.63

CONDOR Global Performance Switchers

SL POWER ELECTRONICS CONDOR

RoHS Compliant This page of product is compliant.

GSM11 SERIES, 11W SINGLE OUTPUT MEDICAL SWITCHERS

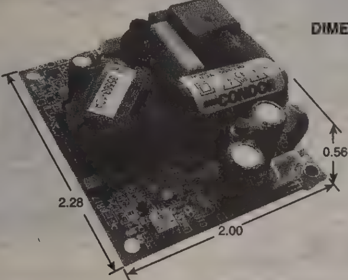
Features & Specifications:

- AC Input: 85-264max (100-240nom) VAC, 45-65Hz
- Overvoltage and short circuit protection
- Safety Approvals: UL/EN/IEC 60601-1 CSA22.2 No.601 and UL/EN/IEC 60950-1 CSA22.2 No.60950-1
- Efficiency: 67-77%
- Noise P-P: 1%
- Total Regulation: 2%

Mating Connectors: (Mouser Part No.)

	Housing	Contacts
Input	538-50-37-5033 (qty 1)	538-08-70-1040 (qty 2)
Output	538-50-37-5023 (qty 1)	538-08-70-1040 (qty 2)

DIMENSIONS: in.



RoHS Compliant

For quantities of 25 and up, call for quote.

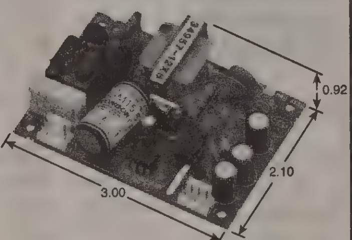
MOUSER STOCK NO.		Output Voltage	Output Current (Max.)	Ripple	Price Each	
Mfr.	Mfr. Part No.				1	10
675	GSM11-3AAG	3.3V	2.0A	50mV	30.68	29.15
675	GSM11-5AAG	5.1V	2.2A	50mV	30.68	29.15
675	GSM11-12AAG	12V	0.92A	120mV	30.68	29.15
675	GSM11-15AAG	15V	0.73A	150mV	30.68	29.15
675	GSM11-24AAG	24V	0.46A	240mV	30.68	29.15
675	GSM11-28AAG	28V	0.39A	280mV	30.68	29.15

GSM15 SERIES, 15W SINGLE OUTPUT MEDICAL SWITCHERS

DIMENSIONS: in.

Features & Specifications:

- AC Input: 90-264VAC, 47-63Hz single phase
- Overload Protection: Fully protected against short circuit and output overload
- Overvoltage protection standard
- Noise P-P: 2.5%
- No minimum load
- Medical approvals to UL2601-1, IEC60601-1, CSA-C22.2 No. 601-1, EN60601-1
- Mating connectors: AMP MTA-100 Receptacle (4 position)
- Leakage Current: 75μA 132VAC@60Hz, 128μA 264VAC@50Hz
- Total Regulation: 2%



RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Output Current (Max.)	OVP Setpoint	Price Each	
Mfr.	Mfr. Part No.				1	10
675	GSM15-5-G	5.1V	2.35A	7.2V	32.08	30.48
675	GSM15-12-G	12V	1.25A	16V	32.08	30.48
675	GSM15-24-G	24V	0.625A	32V	32.08	30.48

GSC20 SERIES, 20W COMMERCIAL SWITCHERS

Specifications:

- AC Input: 90-264VAC, 47-63Hz single phase
- Efficiency: 70% minimum
- Safety approved to UL 1950, IEC 95, and CSA 22.2 No. 234 Level 3

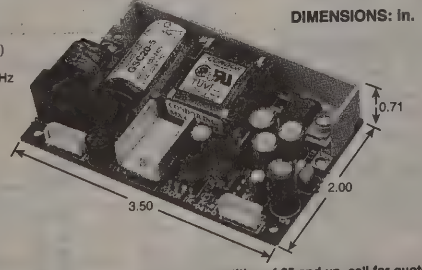
Features:

- Industry's smallest 20W switcher
- Business-card size (2.0" x 3.5" x 0.71")
- EMI FCC Class B, CISPR22B
- Leakage Current: 200μA, 132VAC/60Hz

Mating Connectors: (Mouser Part No.)

	Housing	Contact
Input	538-50-37-5043 (qty 1)	538-08-70-1040 (qty 4)
Output	538-50-37-5043 (qty 1)	538-08-70-1040 (qty 4)

DIMENSIONS: in.



RoHS Compliant

CE LVD

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)	Output (A)	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint (V)	Ripple/ Noise	Price Each	
Mfr.	Mfr. Part No.							1	10
675	GSC20-5-G	5.1V	3.8A	0.75%	2.50%	6.2 ± 0.6	1.40%	52.42	49.80
675	GSC20-12-G	12V	1.7A	0.75%	2.50%	15.6 ± 1.1	1%	52.42	49.80
675	GSC20-15-G	15V	1.4A	0.75%	2.50%	18.5 ± 1.5	1%	52.42	49.80
675	GSC20-24-G	24V	0.85A	0.75%	2.50%	28 ± 2.5	1%	52.42	49.80
675	GSC20-28-G	28V	0.7A	0.75%	2.50%	34 ± 2.8	1%	52.42	49.80

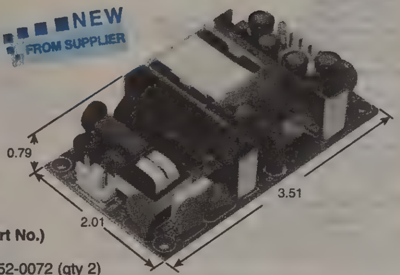
GECA20 SERIES, 20W SINGLE OUTPUT

DIMENSIONS: in.

Features & Specifications:

- Wide range input 90-264VAC
- Low height footprint: 3.5" x 2" x 0.85"
- Conducted EMI exceeds FCC Class B and CISPR 22 Class B
- Approved to UL60950-1:2003, CSA 22.2 No. 60950-1-03, IEC and EN60950-1

NEW FROM SUPPLIER



RoHS Compliant

Mating Connectors: (Mouser Part No.)

	Housing	Contact
Input	538-09-50-3031	538-08-52-0072 (qty 2)
Output	538-09-50-3041	538-08-52-0072 (qty 4)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Output Current (Max.)	Line Regulation	Load Regulation	Price Each	
Mfr.	Mfr. Part No.					1	10
675	GECA20-5G	5.1V	4.0A	±0.5%	±3%	25.80	23.89
675	GECA20-12G	12V	1.67A	±0.5%	±3%	25.80	23.89
675	GECA20-15G	15V	1.34A	±0.5%	±3%	25.80	23.89
675	GECA20-24G	24V	0.84A	±0.5%	±3%	25.80	23.89

GSC25 SERIES, 25W COMMERCIAL SWITCHERS

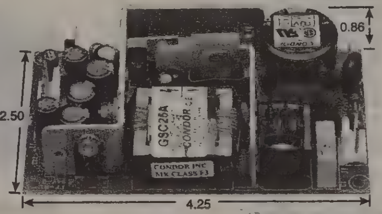
Features:

DIMENSIONS: in.

- Industry's smallest 25W switcher
- EMI FCC Class B, CISPR22B
- Overvoltage protection standard
- Normal Leakage: 175μA, 132VAC @ 60Hz

Specifications:

- AC Input: 90-264VAC, 47-63Hz single phase
- Efficiency: 70% minimum
- Safety approved to UL 1950, IEC 950, and CSA 22.2 No. 234 Level 3



Mating Connectors: (Mouser Part No.)

	Housing	Contact
Input	538-09-50-8031 (qty 1)	538-08-50-0189 (qty 2)
Output	538-09-50-3061 (qty 1)	538-08-50-0189 (qty 6)

RoHS Compliant

CE LVD

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output	Output Voltage	Output Current	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr.	Mfr. Part No.								1	10
675	GSC25A-G	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	55.69	52.90
		2	+12V	1.5A	4%	3%		1%		
		3	-12V	0.2A	1%	4%		1%		
675	GSC25B-G	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	55.69	52.90
		2	+15V	1.5A	4%	3%		1%		
		3	-15V	0.2A	1%	4%		1%		
675	GSC25D-G	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	55.69	52.90
		2	+24V	1.0A	4%	3%		1%		
		3	-12V	0.2A	1%	4%		1%		

GSM25 SERIES, 25W MEDICAL SWITCHERS

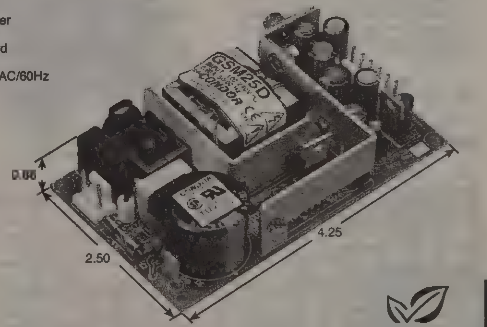
DIMENSIONS: in.

Features:

- Industry's smallest 25W switcher
- EMI FCC Class B, CISPR22B
- Overvoltage protection standard
- Fixed-frequency operation
- Leakage Current: 50μA, 132VAC/60Hz

Specifications:

- AC Input: 90-264VAC, 47-63Hz single phase
- Overload Protection: Fully protected against short circuit & output overload
- Efficiency: 70% minimum
- Medical Safety approved to UL 2601, CSA 22.2 No. 601, IEC 601-1, En 60601



RoHS Compliant

Mating Connectors: (Mouser Part No.)

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-6402506 (qty 1)	571-7705221 (qty 6)

CE LVD

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output	Output Voltage	Output Current	Load Regulation	Initial Setpoint Tolerance	OVP Setpoint	Ripple/ Noise	Price Each	
Mfr.	Mfr. Part No.								1	10
675	GSM25B-G	1	+5.1V	2.5A	1%	1%	6.2 ± 0.6V	1%	69.62	66.14
		2	+15V	1.5A	4%	3%		1%		
		3	-15V	0.2A	1%	4%		1%		

CONDOR Global Performance Switchers

RoHS Compliant **This page of product is compliant.**

GSM28 SERIES, 28W MEDICAL SWITCHERS

Specifications:

- AC Input: 85-264VAC, 47-63Hz single phase
- Overload Protection: Fully protected against short circuit and output overload

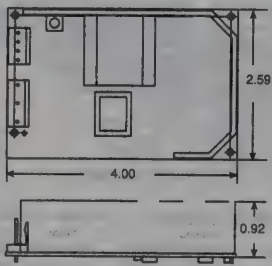
Features:

- Industry's smallest 28W medically approved switcher
- Compact size (4.00" x 2.59" x 0.92")
- Less than 25μA leakage current @ 120VAC
- EMI compliance to FCC and CISPR11 Class B
- Overvoltage protection standard
- Safety approved to UL 2601-1, IEC 601-1, EN 60601-1, CSA 22.2 No. 234

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-6402504 (qty 1)	571-7705221 (qty 4)

DIMENSIONS: in.



CE LVD

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. — Mfr. Part No.	Output (V)	Output Current	Load Regulation	Initial Setpoint Tol.	OVP Setpoint	Ripple/ Noise	Price Each 1	Price Each 10
675—GSM28-5-G	5.1V	5.5A	0.75%	2.50%	6.2±.6V	1.40%	**56.78**	**53.94**
675—GSM28-12-G	12V	2.3A	0.75%	2.50%	14±1V	1%	**56.78**	**53.94**
675—GSM28-24-G	24V	1.2A	0.75%	2.50%	28±2.5V	1%	**56.78**	**53.94**

GNT30 SERIES, 30W COMMERCIAL / MEDICAL SWITCHERS

Specifications:

- 85-264 VAC input range
- Overvoltage and short circuit protection
- Approved to UL, CSA and EN Standards
- Small 50mm x 80mm footprint
- Ground Leakage Current: 100μA; 132VAC 60Hz
- Ideal for medical and commercial device applications

DIMENSIONS: in.

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-13758203 (Qty. 1)	571-14453363 (Qty. 2)
Output	571-13758204 (Qty. 1)	571-14453363 (Qty. 4)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. — Mfr. Part No.	Output (V)	Output Current Convection 40°C	Output Current Convection 50°C	Output Current 150 l.f.m. air flow 50°C	Ripple	Price Each 1	Price Each 10
675—GNT30-5-G	5V	4.0A	3.2A	6.0A	70mV	**61.65**	**60.41**
675—GNT30-12-G	12V	2.5A	2.5A	2.5A	120mV	**61.65**	**60.41**
675—GNT30-15-G	15V	2.0A	2.0A	2.0A	150mV	**61.65**	**60.41**
675—GNT30-24-G	24V	1.25A	1.25A	1.25A	240mV	**61.65**	**60.41**
675—GNT30-28-G	28V	1.07A	1.1A	1.07A	280mV	**61.65**	**60.41**
675—GNT30-48-G	48V	0.625A	0.416A	0.625A	480mV	**61.65**	**60.41**

GLC40 SERIES, 40W COMMERCIAL SWITCHERS

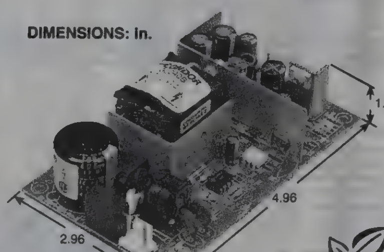
Specifications:

- Efficiency: 70% depending on model
- Universal input 90-264VAC
- Overload and overvoltage protection

Features:

- Cost-effective power source
- Built-in EMI filter to meet FCC Class A, CISPR 22 Class A
- Operation at no-load - Single Output only
- Safety approved to UL 1950, CSA 22.2 No.234 Level 3, IEC 950, EN 60950

DIMENSIONS: in.



CE LVD

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-6402506 (qty 1)	571-770522a1 (qty 6)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. — Mfr. Part No.	Output Voltage		Load Min.	Load Max.	V1 OVP Setpoint	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Single Output									
675—GLC40-5-G	1	5V	0A	8A	+6.2±0.6V	50mV	2%	**54.60**	**51.88**
675—GLC40-12-G	1	12V	0A	3.3A	+14±1.1V	120mV	2%	**54.60**	**51.88**
675—GLC40-15-G	1	15V	0A	2.7A	+18.5±1.5V	150mV	2%	**54.60**	**51.88**
675—GLC40-24-G	1	24V	0A	1.7A	+28.5±2.5V	240mV	2%	**54.60**	**51.88**
Multiple Output									
675—GLC40A-G	1	+5.1V	1A	3A	+6.2±0.6V	50mV	2%	**54.60**	**51.88**
	2	+12V	0A	2A		120mV	6%		
	3	-12V	0A	0.4A		120mV	5%		
675—GLC40B-G	1	+5.1V	1A	3A	+6.2±0.6V	50mV	2%	**54.60**	**51.88**
	2	+15V	0A	1.5A		150mV	6%		
	3	-15V	0A	0.4A		150mV	5%		
675—GLC40D-G	1	+5V	1A	3A	+6.2±0.6V	50mV	2%	**54.60**	**51.88**
	2	+24V	0A	1A		240mV	6%		
	3	-12V	0A	0.4A		120mV	5%		

GPC40 AND GPM40 SERIES, 40W COMMERCIAL AND MEDICAL SWITCHERS

Specifications:

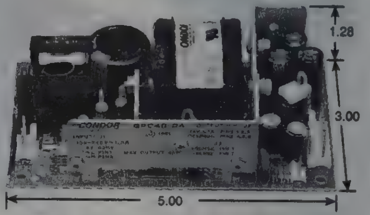
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.3A
- Efficiency: 70% at full rated load
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts main output voltage ±5%

Commercial Features:

- Two year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.7mA. 254VAC @ 60Hz input
- 3-hour burn-in
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN60950

Medical Features:

- Two year warranty
- Exceeds FCC and VDE/CISPR11Class B/IEC601-1-2
- Leakage current: 35μA. 254VAC @ 60Hz input
- 3-hour burn-in
- Safety approved to UL 2601.CSA 22.2 No. 601 Level 3, and IEC 601



CE LVD

DIMENSIONS: in.

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-6402506 (qty 1)	571-7705221 (qty 6)

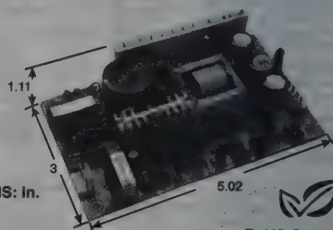
For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. — Mfr. Part No.	Output Voltage		Load Min.	Load Max.	Output Peak	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Single Output									
675—GPC40-5-G	1	5 V	0A	8A	10A	50mV	2%	**68.14**	**64.73**
675—GPC40-9-G	1	9 V	0A	4.5A	6A	90mV	2%	**68.14**	**64.73**
675—GPC40-12-G	1	12V	0A	3.3A	4.2A	120mV	2%	**68.14**	**64.73**
675—GPC40-24-G	1	24V	0A	1.7A	2.1A	240mV	2%	**68.14**	**64.73**
675—GPM40-12-G	1	12V	0A	3.3A	4.2A	120mV	2%	**81.76**	**77.68**
675—GPM40-15-G	1	15V	0A	2.7A	3.3A	150mV	2%	**81.76**	**77.68**
675—GPM40-24-G	1	24V	0A	1.7A	2.1A	240mV	2%	**81.76**	**77.68**
Multiple Output									
675—GPC40A-G	1	+5.1V	0.4A	4A	5A	50mV	2%	**68.14**	**64.73**
	2	+12V	0A	2A	3A	120mV	5%		
	3	-12V	0A	0.4A	0.7A	120mV	3%		
675—GPC40B-G	1	+5.1V	0.4A	4A	5A	50mV	2%	**68.14**	**64.73**
	2	+15V	0A	2A	3A	150mV	5%		
	3	-15V	0A	0.4A	0.7A	150mV	3%		
675—GPM40A-G	1	+5.1V	0.4A	4A	5A	50mV	2%	**81.76**	**77.68**
	2	+12V	0A	2A	3A	120mV	5%		
	3	-12V	0A	0.4A	0.7A	120mV	3%		
675—GPM40B-G	1	+5.1V	0.4A	4A	5A	50mV	2%	**81.76**	**77.68**
	2	+15V	0A	2A	3A	150mV	5%		
	3	-15V	0A	0.4A	0.7A	150mV	3%		
675—GPM40D-G	1	+5.1V	0.4A	4A	5A	50mV	2%	**81.76**	**77.68**
	2	+24V	0A	1A	1.5A	240mV	5%		
	3	-12V	0A	0.4A	0.7A	120mV	3%		

GECA40 SERIES, 40W COMMERCIAL SWITCHERS

Features:

- Wide range input 90-264VAC
- Industry Standard Footprint - 3" x 5" x 1.25"
- Conducted EMI exceeds FCC Class B and CISPR 22 Class B
- Approved to UL-60950-1:2003, CSA-22.2 No. 60950-1-03, IEC and EN60950-1
- Multi-output models: minimum load 10% required on V1 output



DIMENSIONS: in.

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	538-09-50-3031	538-08-52-0072 (qty 2)
Output	538-09-50-3061	538-08-52-0072 (qty 6)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. — Mfr. Part No.	Output Voltage		Output Current	Line Regulation	Load Regulation	Price Each 1	Price Each 10
Single Output							
675—GECA40-5G	1	5V	7A	±0.5%	±3%	**34.40**	**31.85**
675—GECA40-12G	1	12V	3.3A	±0.5%	±3%	**34.40**	**31.85**
675—GECA40-15G	1	15V	2.7A	±0.5%	±3%	**34.40**	**31.85**
675—GECA40-24G	1	24V	1.7A	±0.5%	±3%	**34.40**	**31.85**
Multiple Output							
675—GECA40AG	1	+5V	3.5A	±0.5%	±3%	**37.00**	**34.26**
	2	+12V	2A	±1%	±10%		
	3	-12V	0.3A	±1%	±5%		
675—GECA40BG	1	+5V	3.5A	±0.5%	±3%	**37.00**	**34.26**
	2	+12V	2A	±1%	±10%		
	3	-5V	0.3A	±1%	±5%		
675—GECA40HG	1	+3.3V	4A	±0.5%	±3%	**37.00**	**34.26**
	2	+12V	2A	±1%	±10%		
	3	-12V	0.3A	±1%	±5%		
675—GECA40DG	1	+5V	3.5A	±0.5%	±3%	**37.00**	**34.26**
	2	+24V	1.2A	±1%	±10%		
	3	-12V	0.3A	±1%	±5%		

CONDOR Global Performance Switchers

SL =CONDOR

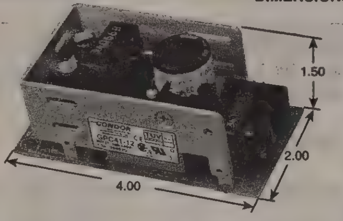
RoHS Compliant **This page of product is compliant.**

GPC41 SERIES, 41W COMMERCIAL SWITCHERS

Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC,60Hz with full rated output load: 1.3A
- Environmental: Designed for 0 to 50°C operation at full rated output power

Commercial Features:
- Two year warranty
- Exceeds FCC and VDE Class B & CISPR22 Class B conducted emissions requirements
- Efficiency: 69-77% at full rated load, nominal input voltage, depending on model
- Leakage current: 60μA single fault; 60 Hz input
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN60950

DIMENSIONS: In.



CE LVD

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402502 (qty 1)	571-7705221 (qty 2)
Output	571-6402504 (qty 1)	571-7705221 (qty 4)

For quantities of 25 and up, call for quote.

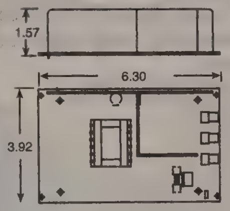
MOUSER STOCK NO. Mfr. Mfr. Part No.	Output (V)	Load Min.	Load Max.	Load Reg.	Initial Setpoint Tol.	OVP Setpoint	Ripple and Noise	Price Each 1	Price Each 10
675—GPC41-5-G	5.1V	0.15A	6.0A	0.75%	2%	6.2 ± 0.6V	1%	54.60	51.88
675—GPC41-12-G	12V	0.03A	3.3A	0.75%	2%	14 ± 1.0V	1%	54.60	51.88
675—GPC41-24-G	24V	0.01A	1.7A	0.75%	2%	28 ± 2.5V	1%	54.60	51.88

GPC50 SERIES, 50W COMMERCIAL SWITCHERS

Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.5A
- Efficiency: 65% at full rated load
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts main output voltage ±5%
- Leakage current: 0.7mA. 245VAC @ 60Hz input

Features:
- Two year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, and EN60950

DIMENSIONS: In.



CE LVD

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	538-09-50-8031 (qty 1)	538-08-50-0189 (qty 2)
Output	538-22-01-1042 (qty 3)	538-08-50-0114 (qty 12)

For quantities of 25 and up, call for quote.

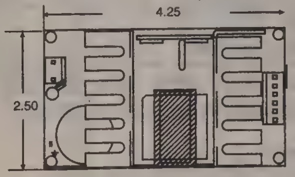
MOUSER STOCK NO. Mfr. Mfr. Part No.	Output Voltage		Load Min.	Load Max.	Output Peak	Noise P-P	Total Regulation	Price Each 1	Price Each 10
675—GPC50A-G	1	+5V	0.4A	5A	7A	50mV	2%	70.41	66.89
	2	+12V	0A	2A	3A	120mV	5%		
	3	-12V	0A	0.5A	1A	120mV	3%		

GLC50 AND GLM50 SERIES, 50W COMMERCIAL AND MEDICAL SWITCHERS

Specifications:
- Overload Protection: Fully protected against short circuit and output overload
- Efficiency: 70-85% at full rated load
- Dimension: 4.25" x 2.50" x 1.15"

Features:
- Cost-effective power source
- Universal input 90-264VAC
- Two year warranty
- Compact; (meets 1U applications)
- Built-in EMI filter
- Medical Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601-1, EN 60601
- Medical Leakage Current: 100μA 264VAC @ 60Hz
- Commercial Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950 and EN 60950
- Commercial Leakage Current: 160μA 254VAC @ 60Hz

DIMENSIONS: In.



CE LVD

Standard and Medical Versions

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-640250-6 (qty 1)	571-7705221 (qty 6)

For quantities of 25 and up, call for quote.

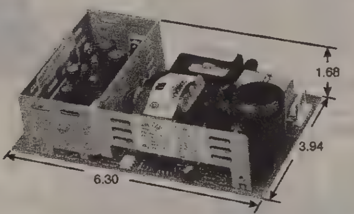
MOUSER STOCK NO. Mfr. Mfr. Part No.	Output Voltage		Current	Min. Load	V1 OVP Setpoint	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Single Output									
675—GLC50-3.3-G	1	3.3V	8A	0	4.2±0.6V	33mV	2%	58.43	57.05
675—GLC50-5-G	1	5.1V	8A	0	6.2±0.6V	50mV	2%	58.43	57.05
675—GLC50-12-G	1	12V	4.2A	0	14±1.1V	120mV	2%	58.43	57.05
675—GLC50-24-G	1	24V	2.1A	0	28±2.5V	240mV	2%	58.43	57.05
675—GLC50-48-G	1	48V	1.1A	0	54±3.0V	480mV	2%	58.43	57.05
675—GLM50-5-G	1	5.1V	8A	0	6.2±0.6V	50mV	2%	67.19	65.61
675—GLM50-12-G	1	12V	4.2A	0	14±1.1V	120mV	2%	67.19	65.61
675—GLM50-24-G	1	24V	2.1A	0	28±2.5V	240mV	2%	67.19	65.61
675—GLM50-28-G	1	28V	1.8A	0	34.5±2.8V	280mV	2%	67.19	65.61
Multiple Output									
675—GLC50A-G	1	+5.05V	4A	0.8A	6.2±0.6V	50mV	2%	58.43	57.05
	2	+12V	2.5A			120mV	+10%,-5%		
	3	-12V	0.2A			120mV	3%		
675—GLC50D-G	1	+5.1V	4A	0.8A	6.2±0.6V	50mV	2%	58.43	57.05
	2	+24V	1.5A			240mV	+10%,-5%		
	3	-12V	0.2A			120mV	3%		
675—GLM50A-G	1	+5.05V	4A	0.8A	6.2±0.6V	50mV	2%	67.19	65.61
	2	+12V	2.5A			120mV	+10%,-5%		
	3	-12V	0.2A			120mV	3%		
675—GLM50B-G	1	+5.1V	4A	0.8A	6.2±0.6V	50mV	2%	67.19	65.61
	2	+15V	2.5A			150mV	+10%,-5%		
	3	-15V	0.2A			150mV	3%		
675—GLM50D-G	1	+5.1V	4A	0.8A	6.2±0.6V	50mV	2%	67.19	65.61
	2	+24V	1.5A			240mV	+10%,-5%		
	3	-12V	0.2A			120mV	3%		

GPC55 AND GPM55 SERIES, 55W COMMERCIAL AND MEDICAL SWITCHERS

Commercial Features:
- Wide-range AC input 85-264VAC
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.7mA. 254VAC @ 60Hz input
- Safety approved to UL 1950, CSA a No. 234 Level 3, IEC 950, EN60950
- Environmental: Designed for 0 to 50°C operation at full rated output power

Specifications:
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.7A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution
- Two year warranty

Medical Features:
- EMI to FCC, CISPR11 Class B/IEC601-1
- Efficiency: 65% at full rated load, nominal input voltage, depending on model and load distribution
- Leakage current: 35μA, 254VAC @ 60Hz input
- Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601



CE LVD

Standard and Medical Versions

DIMENSIONS: In.

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-6402509 (qty 1)	571-7705221 (qty 9)

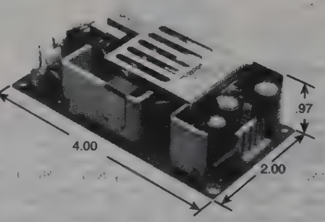
For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part No.	Output Voltage		Load Min.	Load Max.	Output Peak	Noise P-P	Total Regulation	Price Each 1	Price Each 10
Single Output									
675—GPC55-24-G	1	24V	0A	2.3A	2.9A	240mV	2%	90.85	86.31
Multiple Output									
675—GPC55A-G	1	+5V	0.7A	6A	8A	50mV	2%	90.85	86.31
	2	+12V	0A	3A	5A	120mV	2%		
	3	+12V	0A	1A	1.2A	120mV	3%		
	4	-12V	0A	1A	1.2A	120mV	3%		
675—GPC55B-G	1	+ 5V	0.7A	6A	8A	50mV	2%	90.85	86.31
	2	+12V	0A	3A	5A	120mV	2%		
	3	-5V	0A	1A	1.2A	50mV	3%		
	4	-12V	0A	1A	1.2A	120mV	3%		
675—GPC55D-G	1	+5V	0.7A	6A	8A	50mV	2%	90.85	86.31
	2	+24V	0A	1.5A	2A	240mV	2%		
	3	+12V	0A	1A	1.2A	120mV	3%		
	4	-12V	0A	1A	1.2A	120mV	3%		
675—GPC55E-G	1	+5V	0.7A	6A	8A	50mV	2%	90.85	86.31
	2	+24V	0A	1.5A	2A	120mV	2%		
	3	+15V	0A	1A	1.2A	150mV	3%		
	4	-15V	0A	1A	1.2A	150mV	3%		
675—GPC55F-G	1	+5V	0.7A	6A	8A	50mV	2%	90.85	86.31
	2	+12V	0A	3A	5A	120mV	2%		
	3	+15V	0A	1A	1.2A	150mV	3%		
	4	-15V	0A	1A	1.2A	150mV	3%		
675—GPM55A-G	1	+5V	0.7A	6A	8A	50mV	2%	109.02	103.56
	2	+12V	0A	3A	5A	120mV	2%		
	3	+12V	0A	1A	1.2A	120mV	3%		
	4	-12V	0A	1A	1.2A	120mV	3%		
675—GPM55B-G	1	+ 5V	0.7A	6A	8A	50mV	2%	109.02	103.56
	2	+12V	0A	3A	5A	120mV	2%		
	3	-5V	0A	1A	1.2A	50mV	3%		
	4	-12V	0A	1A	1.2A	120mV	3%		
675—GPM55C-G	1	+5V	0.7A	6A	8A	50mV	2%	109.02	103.56
	2	+15V	0A	3A	5A	150mV	2%		
	3	-5V	0A	1A	1.2A	150mV	3%		
	4	-15V	0A	1A	1.2A	50mV	3%		
675—GPM55D-G	1	+5V	0.7A	6A	8A	50mV	2%	109.02	103.56
	2	+24V	0A	1.5A	2A	240mV	2%		
	3	+12V	0A	1A	1.2A	120mV	3%		
	4	-12V	0A	1A	1.2A	120mV	3%		
675—GPM55E-G	1	+5V	0.7A	6A	8A	50mV	2%	109.02	103.56
	2	+24V	0A	1.5A	2A	120mV	2%		
	3	+15V	0A	1A	1.2A	150mV	3%		
	4	-15V	0A	1A	1.2A	150mV	3%		

RoHS Compliant This page of product is compliant.

GNT60 SERIES, 60W COMMERCIAL / MEDICAL SWITCHERS

Specifications:
- 100-240 VAC nominal input range
- Overvoltage and short circuit protection
- Approved to UL, CSA and EN Standards
- Ground Leakage Current: 200μA; 240VAC 60Hz
- Ideal for medical and commercial device applications



RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402502 (Qty. 1)	571-6407061 (Qty. 2)
Output	571-6402504 (Qty. 1)	571-6407061 (Qty. 4)

For quantities of 25 and up, call for quote.

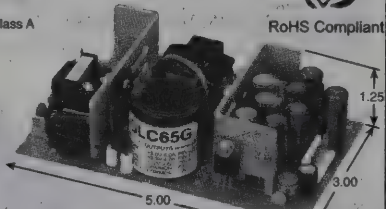
MOUSER STOCK NO.		Output (V)	Output Current			Ripple	Price Each	
			Convection		with Fan			
Mfr.	Mfr. Part No.		40°C	50°C	50°C		1	10
675	GNT60-15-G	15V	4.0A	3.7A	4.35A	150mV	68.62	66.01
675	GNT60-24-G	24V	2.7A	1.9A	2.7A	240mV	68.62	66.01

GLC65 AND GLM65 SERIES, 65W COMMERCIAL AND MEDICAL SINGLE OUTPUT SWITCHERS

DIMENSIONS: in.

Features:
- 4.1 W/in^3
- Ultra-high efficiency (up to 94%)
- Meets harmonic requirements of IEC1000-3-2, Class A
- EMI compliance to CISPR22 Class B
- Commercial Leakage Current: 425μA with 132VAC @ 60Hz input
- Medical Leakage Current: 31μA with 132VAC @ 60Hz input
- Commercial Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950
- Medical Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601-1, EN 60601

RoHS Compliant



Specifications:
- AC Input: 90-264VAC, 47-63Hz single phase
- Dimensions: 3.00" x 5.00" x 1.00"

Mating Connectors:

	Housing	Contact
Input	571-6402503 (qty 1)	571-7705221 (qty 2)
Output	571-6402506 (qty 1)	571-7705221 (qty 6)
Sense	571-6404402 (qty 1)	571-7705221 (qty 2)

For quantities of 25 and up, call for quote.

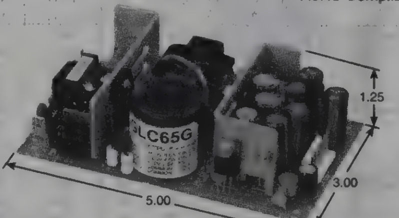
MOUSER STOCK NO.		Output (V)	Current (A)	Total Reg.	V1 Adjustment	V1 OVP Setpoint (V)	Ripple and Noise	Price Each	
Mfr.	Mfr. Part No.							1	10
675	GLC65-5-G	5.1 V	11	2%	± 5%	6.2 ± 0.6	1%	76.71	72.88
675	GLC65-12-G	12 V	5.5	2%	± 5%	14 ± 1.1	1%	75.15	71.40
675	GLC65-15-G	15 V	4.3	2%	± 5%	18.5 ± 1.5	1%	75.15	71.40
675	GLC65-24-G	24 V	2.7	2%	± 5%	28 ± 2.5	1%	75.15	71.40
675	GLC65-28-G	28 V	2.3	2%	± 5%	34 ± 2.8	1%	75.15	71.40
675	GLC65-48-G	48 V	1.35	2%	± 5%	55 ± 4.0	1%	76.71	72.88
675	GLM65-12-G	12 V	5.5	2%	± 5%	14 ± 1.1V	1%	80.81	76.77
675	GLM65-15-G	15 V	4.3	2%	± 5%	18.5 ± 1.5	1%	80.81	76.77
675	GLM65-24-G	24 V	2.7	2%	± 5%	28 ± 2.5	1%	80.81	76.77
675	GLM65-28-G	28 V	2.3	2%	± 5%	34 ± 2.8	1%	80.81	76.77
675	GLM65-48-G	48 V	1.35	2%	± 5%	55 ± 4.0	1%	80.81	76.77

GLC65 AND GLM65 SERIES, 65W TRIPLE OUTPUT COMMERCIAL AND MEDICAL SWITCHERS

Specifications:
- AC Input: 90-264VAC, 47-63Hz single phase
- Efficiency: 80% typical
- Two year warranty
- Ripple/Noise: 1%
- OVP Setpoint: 6.2± 0.6V

RoHS Compliant

Commercial Features:
- Conducted EMI exceeds FCC Class B and CISPR 22 Class B
- Approved to UL1950, CSA-C22.2 No. 950, and EN60950
- Leakage Current: <500μA@120Vac., <1.2mA@240Vac.



Medical Features:
- Conducted EMI exceeds FCC Class B and CISPR 11 Class B
- Approved to UL2601-1, CSA 22.2 No. 601.1, and EN60601-1
- Leakage Current: 40μA. 132Vac@60Hz.

Mating Connectors: **(Mouser Part No.)**

	Housing	Contacts
Input	571-6402503 (qty 1)	571-7705221 (qty 3)
Output	571-6402506 (qty 1)	571-7705222 (qty 6)

DIMENSIONS: in.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)		Output Current (Max)		Total Regulation	Price Each	
Mfr.	Mfr. Part No.			Convection	150 LFM		1	10
675	GLC65A-G	1	+5	7A	9A	2%	74.95	71.21
		2	+12	3A	5A	5%		
		3	-12	2.5A	4A	6%		
675	GLC65B-G	1	+5.1	7A	9A	2%	74.95	71.21
		2	+15	2.5A	4A	4%		
		3	-15	2A	3A	5%		
675	GLC65D-G	1	+5	7A	9A	2%	74.95	71.21
		2	+24	1.5A	2.5A	3%		
		3	-12	2.5A	4A	6%		
675	GLC65E-G	1	+5	7A	9A	2%	74.95	71.21
		2	+24	1.5A	2.5A	3%		
		3	+12	2.5A	4A	6%		

GLC65 AND GLM65 SERIES, 65W TRIPLE OUTPUT COMMERCIAL AND MEDICAL SWITCHERS (CONT.)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)		Output Current (Max)		Total Regulation	Price Each	
Mfr.	Mfr. Part No.			Convection	150 LFM		1	10
675	GLC65G-G	1	+5	5A	8A	3%	74.95	71.21
		2	+3.3	4A	5A	3%		
		3	+12	2.5A	4A	6%		
675	GLM65A-G	1	+5	7A	9A	2%	86.21	81.89
		2	+12	3A	5A	5%		
		3	-12	2.5A	4A	6%		
675	GLM65B-G	1	+5.1	7A	9A	2%	86.21	81.89
		2	+15	2.5A	4A	4%		
		3	-15	2A	3A	5%		
675	GLM65G-G	1	+5	5A	8A	3%	86.21	81.89
		2	+3.3	4A	5A	3%		
		3	+12	2.5A	4A	6%		

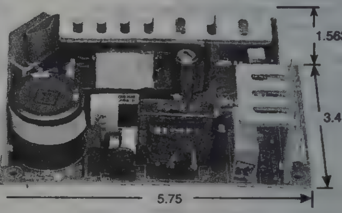
GLC75 AND GLM75 SERIES, 75W SINGLE OUTPUT, COMMERCIAL AND MEDICAL SWITCHERS

RoHS Compliant

Specifications:
- Universal input 90-264VAC, 47-63Hz
- Efficiency: 72-85% depending on model
- Two year warranty
- Power fail detect

Medical Features:
- Safety approved to UL2601-1, CSA-C22.2 No. 601.1, IEC601-1 and EN60601-1
- Leakage current: 70μA 264V @ 50Hz (normal conditions)

Commercial Features:
- Safety approved to UL1950, CSA22.2 No. 234 level 3, IEC950 and EN60950



Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-6402509 (qty 1)	571-7705221 (qty 9)

DIMENSIONS: in.

†Unrestricted natural convection cooling ‡26CFM forced air cooling

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)	Load (A)			Output Peak (A)	OVP Setpoint (V)	Noise P/P (mV)	Total Reg.	Price Each	
Mfr.	Mfr. Part No.		Min	Max†	Max‡					1	10
675	GLC75-12-G	12	0	6.3	9.1	9.1	14±1.1	120	2%	71.57	68.00
675	GLC75-15-G	15	0	5	7.3	7.3	18.5±1.5	150	2%	71.57	68.00
675	GLC75-24-G	24	0	3.1	4.6	4.6	28±2.5	240	2%	71.57	68.00
675	GLC75-28-G	28	0	2.7	4	4	34.5±2.8	280	2%	71.57	68.00
675	GLM75-12-G	12	0	6.3	9.1	9.5	15.6±1.1	120	1%	86.42	82.11
675	GLM75-15-G	15	0	5	7.3	7.7	18.5±1.5	150	1%	86.42	82.11
675	GLM75-24-G	24	0	3.1	4.6	5	28±2.5	240	1%	86.42	82.11

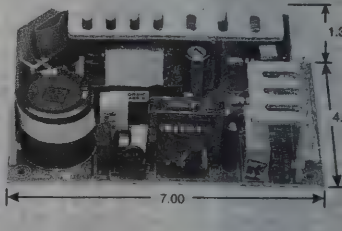
GLC75 SERIES, 75W QUADRUPLE OUTPUT COMMERCIAL SWITCHERS

Features:
- Cost-effective multiple output power source
- Universal input 90-264VAC
- Meets 1U height
- Two year warranty
- Built-in EMI filter
- Power fail detect
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-16402503 (qty 1)	571-7705221 (qty 13)



Specifications:
- Efficiency: 68%-78% depending on mode and load distribution

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling
*The +5V current must be at least 1/5 of V2 and not greater than 5 times the V2 current.

DIMENSIONS: In.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)		Load (A)			Output Peak	OVP Setpoint (V)	Noise P/P (mV)	Total Regulation	Price Each	
Mfr.	Mfr. Part No.			Min	Max†	Max‡					1	10
675	GLC75A-G	1	+5.1	1	8	10	12A	6.2±0.6	50	2%	76.92	73.08
		2	+12	0.5	2.5	3	4A		120	+10%,-5%*		
		3	-12	0	1	1	1.2A		120	3%		
		4	12	0	2.5	3	4A		120	2%		
675	GLC75D-G	1	+5.1	1	8	10	12A	6.2±0.6	50	2%	76.92	73.08
		2	+24	0.5	2.5	2.5	3.5A		240	+10%,-5%*		
		3	-12	0	1	1	1.2A		120	3%		
		4	+12	0	2.5	3	4A		120	2%		
675	GLC75P-G	1	+5.1	1	8	10	12A	6.2±0.6	50	2%	76.92	73.08
		2	+24	0.5	4	4	4.5A		240	+10%,-5%*		
		3	-12	0	1	1	1.2A		120	3%		
		4	+12	0	2.5	3	4A		120	2%		

CONDOR Global Performance Switchers

RoHS Compliant **This page of product is compliant.**

GPC80 AND GPM80 SERIES, 80W COMMERCIAL AND MEDICAL SWITCHERS

Commercial Features:

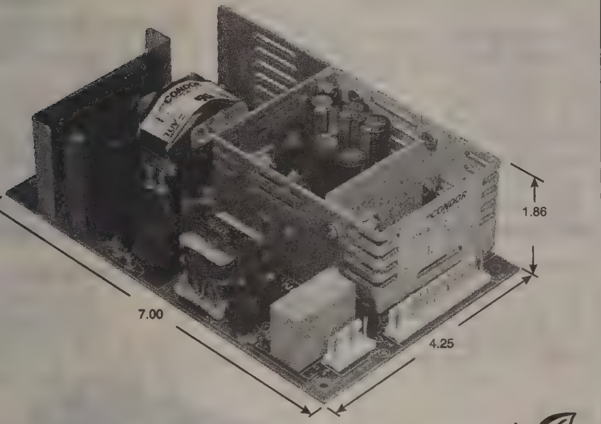
- Wide-range AC input 85-264VAC
- Two year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Single and multiple outputs
- Leakage current: 0.7mA. 254VAC @ 60Hz input (with no deviations)
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN60950
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts voltage ±5% on outputs 1 & 2

Specifications:

- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 2.3A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution

Medical Features:

- Exceeds FCC and VDE/CISPR11 Class B/IEC601-1
- Single and multiple outputs
- Leakage current: 35μA. 254VAC @ 60Hz input
- Safety approved to UL 2601, CSA 22.2 No. 601 Level 3, IEC 601



RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-16402503 (qty 1)	571-7705221 (qty 13)

DIMENSIONS: in.

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)		Load (A)			Output Peak	Noise P/P (mV)	Total Reg.	Price Each	
Mfr.	Mfr. Part No.			Min	Max†	Max‡				1	10
Single Output											
675	GPC80-5-G	1	5	0	16	20	22	50	2%	124.92	118.67
675	GPC80-12-G	1	12	0	6.7	9.2	9.2	120	2%	124.92	118.67
675	GPC80-15-G	1	15	0	5.3	7.3	7.3	150	2%	124.92	118.67
675	GPM80-12-G	1	12	0	6.7	9.2	9.2	120	2%	149.91	142.41
675	GPM80-24-G	1	24	0	3.4	4.6	4.6	240	2%	149.91	142.41
Multiple Output											
675	GPC80A-G	1	+5	1	12	12	16	50	2%	124.92	118.67
		2	+12	0	3	4	5	120	2%		
		3	-12	0	1	1.2	1.2	120	3%		
		4	+12	0	1	1.2	1.2	120	3%		
675	GPC80P-G	1	+5	1	12	12	16	50	2%	124.92	118.67
		2	+24	0.5	3.5	4.5	4.5	400	+10%/-5%		
		3	-12	0	1	1.2	1.2	120	3%		
		4	+12	0	2	2	2.5	120	3%		
675	GPM80A-G	1	+5	1	12	12	16	50	2%	149.91	142.41
		2	+12	0	3	4	5	120	2%		
		3	-12	0	1	1.2	1.2	120	3%		
		4	+12	0	1	1.2	1.2	120	3%		
675	GPM80B-G	1	+5	1	12	12	16	50	2%	149.91	142.41
		2	+12	0	3	4	5	120	2%		
		3	-12	0	1	1.2	1.2	120	3%		
		4	-5	0	1	1.2	1.2	50	3%		
675	GPM80E-G	1	+5	1	12	12	16	50	2%	149.91	142.41
		2	+24	0	2	3	4	240	2%		
		3	-15	0	1	1.2	1.2	150	3%		
		4	+15	0	1	1.2	1.2	150	3%		
675	GPM80P-G	1	+5	1	12	12	16	50	2%	149.91	142.41
		2	+24	0.5	3.5	4.5	4.5	400	+10%/-5%		
		3	-12	0	1	1.2	1.2	120	3%		
		4	+12	0	2	2	2.5	120	3%		

GLC110 SERIES, 110W COMMERCIAL SWITCHERS

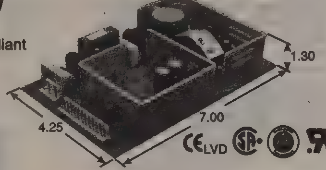
Features:

- Cost-effective single output power source
- Commercial Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950
- Multiple-output units
- Low height (1.30")
- Two year warranty
- Power fail signal standard
- AC Input: 90-264VAC, 47-63Hz single phase

Specifications:

- Efficiency: 72-85% depending on model

RoHS Compliant



Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-16402503 (qty 1)	571-7705221 (qty 12)

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

DIMENSIONS: in.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)		Load (A)				Noise P/P (mV)	OVP Setpoint (V)	Total Reg.	Price Each	
Mfr.	Mfr. Part No.			Min	Max†	Max‡	Peak				1	10
Single Output												
675	GLC110-12-G	1	12	0	6.3	9.1	9.5	120	15.6±1.1	2%	76.58	72.74
675	GLC110-24-G	1	24	0	3.2	4.6	4.75	240	28±2.5	2%	76.58	72.74
Multiple Output												
675	GLC110-215-G	1	+15	1	5	7.3	7.7	120	18.5±1.5	2%	82.34	78.22
		2	-15	0	4	2.5	3	150		2%		
675	GLC110-524-G	1	+24	1	3.2	4.6	4.75	200	28±2.5	2%	82.34	78.22
		2	+5	0	2.5	1.5	2	50	6.2±0.6	2%		

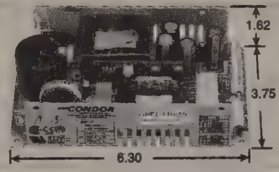
GPFC110 SERIES, 110W COMMERCIAL SWITCHERS WITH POWER FACTOR CORRECTION

Specifications:

- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current 2.3A at 90VAC, 60Hz with full rated load. Input current harmonic content meets the requirements of IEC1000-3-2.
- Overload Protection: Fully protected against short circuit and output overload.
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

Features:

- 3.1 watts/cu.in.power density
- Compact size (6.3" x 3.75" x 1.62"; meets 1U height)
- Power factor corrected to IEC 1000-3-2 Class A
- Less than 300μA leakage
- EMI compliance to CISPR22, FCC Class B
- Two year warranty



RoHS Compliant

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Output	571-6402509 (qty 1)	571-7705221 (qty 9)
Fan	571-6406212 (qty 1)	N/A

DIMENSIONS: in.

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)	Load (A)			OVP Setpoint (V)	Total Regulation	Price Each	
Mfr.	Mfr. Part No.		Min	Max†	Max‡			1	10
675	GPFC110-12-G	12	0	6.7	9.2	14±1.1	2%	104.55	99.32
675	GPFC110-15-G	15	0	5.3	7.3	18.5±1.5	2%	104.55	99.32
675	GPFC110-24-G	24	0	3.4	4.6	28±2.5	2%	104.55	99.32
675	GPFC110-28-G	28	0	2.9	3.9	34±2.8	2%	104.55	99.32
675	GPFC110-48-G	48	0	1.7	2.3	55±4	2%	104.55	99.32

GPFM115 SERIES, 115W MEDICAL SWITCHERS WITH POWER FACTOR CORRECTION

RoHS Compliant

Features:

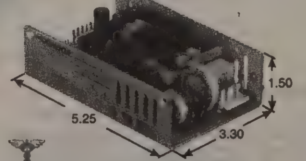
- 115 Watts of continuous power with forced air
- Power factor corrected
- 74-81% efficiency
- Small package 3.3" x 5.25" x 1.5"
- Power fail warning, remote sense
- Optional cover with cooling fan

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Signals	571-6406214 (qty 1)	N/A
Fan	571-6406212 (qty 1)	N/A
Output	571-6402508 (qty 1)	571-7705221 (qty 8)

Specifications:

- AC Input: 85-264VAC, 47-63Hz single phase
- Remote Sense: Provided as a standard feature on all models
- Overload Protection: Fully protected against short circuit and output overload.
- Overvoltage Protection: Built in on all models
- Leakage Current: 90μA normal conditions
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950



DIMENSIONS: in.

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Output (V)	Load (A)		Output Peak (A)	Noise P-P (V)	Total Reg.	Price Each	
Mfr.	Mfr. Part No.		Max†	Max‡				1	10
675	GPFM115-12-G	12	6.7	9.6	10.8	14±1.1	2%	120.23	114.21
675	GPFM115-15-G	15	5.3	7.7	8.7	18.5±1.5	2%	120.23	114.21
675	GPFM115-24-G	24	3.3	4.8	5.4	28±2.5	2%	120.23	114.21
675	GPFM115-28-G	28	2.9	4.1	4.6A	34±2.8	2%	120.23	114.21
675	GPFM115-48-G	48	1.7	2.4	2.7	55±4.0	2%	120.23	114.21

CONDOR Global Performance Switchers

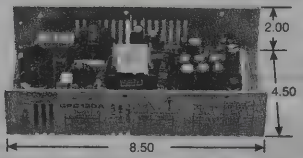
GPC130 SERIES, 130W COMMERCIAL SWITCHERS

Specifications:

- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 3.5A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts voltage ±5% on outputs 1 & 2

Mating Connectors:

	Housing	Contact
Input	571-6402505 (qty 1)	571-7705221 (qty 3)
Signals	571-6404404 (qty 1)	N/A
Output	571-16402506 (qty 1)	571-7705221 (qty 16)



Commercial Features:

- Two year warranty
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.7mA. 254VAC @ 60Hz input
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

RoHS Compliant

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

DIMENSIONS: in.
For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Output (V)		Load (A) Min	Max†	Max‡	Output Peak (A)	Noise P/P (mV)	Total Reg.	Price Each 1	10
675—GPC130A-G	1	+5	3	16	20	25	50	2%	181.71	172.62
	2	+12	0	5	5	8	120	2%		
	3	-12	0	1.2	1.2	1.5	120	3%		
	4	+12	0	1.2	1.2	1.5	120	3%		
675—GPC130C-G	1	+5	3	16	20	25	50	2%	181.71	172.62
	2	+12	0	5	5	8	120	2%		
	3	-15	0	1.2	1.2	1.5	150	3%		
	4	+15	0	1.2	1.2	1.5	150	3%		
675—GPC130D-G	1	+5	3	16	20	25	50	2%	181.71	172.62
	2	+24	0	3.5	3.5	5	240	2%		
	3	-12	0	1.2	1.2	1.5	120	3%		
	4	+12	0	1.2	1.2	1.5	120	3%		
675—GPC130E-G	1	+5	3	16	20	25	50	2%	181.71	172.62
	2	+24	0	3.5	3.5	5	240	2%		
	3	-15	0	1.2	1.2	1.5	150	3%		
	4	+15	0	1.2	1.2	1.5	150	3%		

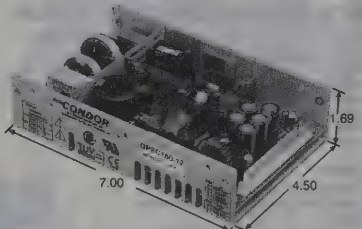
GPFC160 SERIES, 160W COMMERCIAL SWITCHERS WITH POWER FACTOR CORRECTION

Specifications:

- AC Input: 85-264Vac, 47-63Hz single phase
- Overload Protection: Fully protected against short circuit and output overload.
- Input Current: Maximum input current 2.3A at 90Vac, 60Hz with full load. Input current harmonic content meets the requirements of IEC1000-3-2
- Overvoltage Protection: Built in on all models.
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950

Features:

- 3.0 watts/cu. in. power density
- Compact size (4.5" x 7.0" x 1.7"; meets 1U height)
- Power factor corrected to IEC1000-3-2; Class A
- Less than 300μA leakage
- EMI compliance to CISPR22, FCC Class B
- Two year warranty



Mating Connectors:

	Housing	Contact
Input:	571-640250-5 (qty 1)	571-7705221 (qty 3)
Signals:	571-640440-4 (qty 1)	
Fan:	571-640440-2 (qty 1)	
Output:	571-16402506 (qty 1)	571-7705221 (qty 16)

RoHS Compliant

† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

DIMENSIONS: in.
For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Output (V)	Load Max† (A)	Output Peak‡ (A)	OVP Setpoint	Ripple/ Noise	Price Each 1	10
675—GPFC160-5-G	5.1V	25A	31.3A	6.2±0.6	1%	189.23	179.76
675—GPFC160-12-G	12V	11.7A	13.3A	14±1.1	1%	189.23	179.76
675—GPFC160-15-G	15V	9.3A	10.7A	18.5±1.5	1%	189.23	179.76
675—GPFC160-24-G	24V	5.8A	6.7A	28±2.5	1%	189.23	179.76
675—GPFC160-28-G	28V	5A	5.7A	34±2.8	1%	189.23	179.76

GPC225 SERIES, 225W COMMERCIAL SWITCHERS

Specifications:

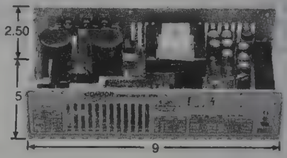
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current at 120VAC, 60Hz with full rated output load: 1.3A
- Efficiency: 70% at full rated load, nominal input voltage, depending on model and load distribution
- Environmental: Designed for 0 to 50°C operation at full rated output power
- Voltage Adjustment: Built-in potentiometer adjusts voltage ±5%

Commercial Features:

- Wide-range AC input 85-264VAC
- Two year warranty
- Safety approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950
- Exceeds FCC and CISPR22 Class B conducted emissions requirements
- Leakage current: 0.95mA. 254VAC @ 60Hz input (with no deviations)

Mating Connectors:

- Input: Terminal Block
- Signals: 571-640440-5 (qty 1)
- Output: Terminal Block



† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

DIMENSIONS: in.
For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Output (V)	Load (A) Min	Max†	Max‡	Output Peak (A)	Noise P/P (mV)	Total Reg.	Price Each 1	10
675—GPC225-5-G	5	0	34	40	45	50	2%	247.58	235.20
675—GPC225-12-G	12	0	15.8	19	20	120	2%	247.58	235.20
675—GPC225-24-G	24	0	8.3	9.4	10	240	2%	247.58	235.20
675—GPC225-28-G	28	0	7.1	8	8.5	280	2%	247.58	235.20

GPFC250 AND GPFM250 SERIES, 250W COMMERCIAL AND MEDICAL SWITCHERS WITH POWER FACTOR CORRECTION

Specifications:

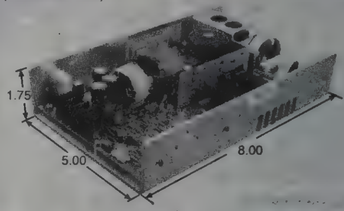
- AC Input: 85-264VAC, 47-63Hz single phase
- Input Current: Maximum input current 2.3A at 90VAC, 60Hz with full load. Input current harmonic content meets the requirements of IEC1000-3-2
- Overload Protection: Fully protected against short circuit and output overload.
- Leakage Current: 70μA under normal conditions(132Vac @ 60Hz)

Mating Connectors:

- Input: Terminal Block
- Signals: 571-640440-5 (qty 1)
- Fan: 571-640440-2 (qty 1)
- Output: Terminal Block

Features:

- 3.6 watts/cu. in. power density
- Compact size (5.0" x 8.0" x 1.75")
- Power factor corrected to IEC1000-3-2; Class A
- Less than 300μA leakage
- EMI compliance to CISPR22, FCC Class B
- Two year warranty
- Commercial approved to UL 1950, CSA 22.2 No. 234 Level 3, IEC 950, EN 60950
- Medical approved to UL 2601, CSA 22.2 No. 601-1, IEC 601-1



† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

DIMENSIONS: in.
For quantities of 25 and up, call for quote.

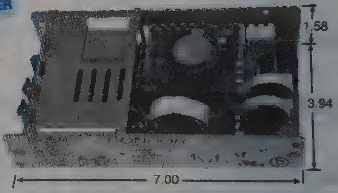
MOUSER STOCK NO. Mfr. / Mfr. Part No.	Output Voltage (V)	Load Max.† (A)	Output Peak‡ (A)	OVP Setpoint	Ripple/ Noise	Price Each 1	10
675—GPFC250-12-G	12V	15A	21A	14±1.1V	2%	247.58	235.20
675—GPFC250-24-G	24V	7.5A	10.5A	28±2.5V	2%	247.58	235.20
675—GPFC250-28-G	28V	6.5A	9A	34±2.8V	2%	247.58	235.20
675—GPFM250-5-G	5.1V	36A	50A	6.2±0.6V	2%	297.09	282.24
675—GPFM250-12-G	12V	15A	21A	14±1.1V	2%	297.09	282.24
675—GPFM250-15-G	15V	12A	16.7A	18.5±1.5V	2%	297.09	282.24
675—GPFM250-24-G	24V	7.5A	10.5A	28±2.5V	2%	297.09	282.24
675—GPFM250-48-G	48V	3.8A	5.3A	55±4.0V	2%	297.09	282.24

GNT400 SERIES, 400W FRONT END SWITCHERS

NEW FROM SUPPLIER

Features:

- Compact 4" x 7" x 1.5" (1U Compatible)
- 100-240VAC input with active PFC
- 300W convection rating
- Less than 100mA rating
- Compliance to EN55011/22 Conducted Noise B
- Approved to UL, CSA, and EN/IEC standards
- Additional styles with mounted fans available - contact a Mouser Service Representative



† Unrestricted natural convection cooling
‡ 26CFM forced air cooling

For quantities of 25 and up, call for quote.

MOUSER STOCK NO. Mfr. / Mfr. Part No.	Output Voltage (V)	Max. Load ‡ (A)	Max. Load † (A)	Total Regulation	Price Each 1	10
675—GNT412ABG	12V	33.3A	25A	±2%	248.93	229.78
675—GNT424ABG	24V	16.7A	12.5A	±2%	248.93	229.78
675—GNT428ABG	28V	14.3A	10.7A	±2%	248.93	229.78
675—GNT448ABG	48V	8.4A	6.3A	±2%	248.93	229.78

ELPAC AC Medical Power Supplies

ELPAC POWER SYSTEMS

7 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input mating connector: Molex p/n 50-37-5033
- Output mating connector: Molex p/n 50-37-5023
- Mating connector contacts: Molex p/n 08-70-1040

Features:
- Wide range AC input, fully regulated output
- Efficiency: 80% @ full load
- Meets FCC Class B, CISPR 11 Class B
- IEC 60601-1

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MSM0705	MSM0705	A	5.1V	1.4A	7W	2.280	2.000	0.713	26.15	25.05	24.30	21.63
680-MSM0712	MSM0712	A	12V	0.6A	7W	2.280	2.000	0.713	26.15	25.05	24.30	21.63
680-MSM0715	MSM0715	A	15V	0.5A	7W	2.280	2.000	0.713	26.15	25.05	24.30	21.63
680-MSM0724	MSM0724	A	24V	0.3A	7W	2.280	2.000	0.713	26.15	25.05	24.30	21.63
680-MSM0728	MSM0728	A	28V	0.3A	7W	2.280	2.000	0.713	26.15	25.05	24.30	21.63

20 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input/ output connection: 8.0" wire leads

Features:
- Wide range AC input, fully regulated output
- Efficiency: 80% @ full load
- Meets FCC Class B, CISPR 11 Class B
- IEC 60601-1

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MSM2012	MSM2012	B	12V	1.67A	20W	3.54	2.16	0.71	43.95	41.54	39.12	36.70
680-MSM2015	MSM2015	B	15V	1.34A	20W	3.54	2.16	0.71	43.95	41.54	39.12	36.70
680-MSM2024	MSM2024	B	24V	0.84A	20W	3.54	2.16	0.71	43.95	41.54	39.12	36.70

28 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input mating connector: AMP p/n 640250-5
- Output mating connector: AMP p/n 640250-4
- Mating connector contacts: AMP p/n 770522-1

Features:
- Wide range AC input, fully regulated output
- Efficiency: 80% @ full load
- Meets FCC Class B, CISPR 11 Class B
- IEC 60601-1

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MSM2812	MSM2812	C	12V	2.3A	28W	4.00	2.60	1.00	48.60	46.42	44.28	40.60
680-MSM2815	MSM2815	C	15V	1.9A	28W	4.00	2.60	1.00	48.60	46.42	44.28	40.60
680-MSM2824	MSM2824	C	24V	1.2A	28W	4.00	2.60	1.00	48.60	46.42	44.28	40.60

40 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 90-264 VAC
- Input mating connector: AMP p/n 640250-3 or equivalent
- Output mating connector: AMP p/n 640250-6 or equivalent
- Mating connector contacts: AMP p/n 770476- * or equivalent

Features:
- Wide range AC input, fully regulated output
- Efficiency: 70% @ full load
- Meets FCC Class B, CISPR 11 Class B
- IEC 60601-1

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage		Output Current (A)	Power	Dimensions: in.			Price Each		
							L	W	H	1	5	10
680-MSM40A	MSM40A	D	1 2 3	5.1V 12.0V -12.0V	4A 2A 0.4A	40W	5.00	3.00	1.38	67.90	62.70	58.70
680-MSM40B	MSM40B	D	1 2 3	5.1V 15.0V -15.0V	4A 2A 0.4A	40W	5.00	3.00	1.38	67.90	62.70	58.70
680-MSM40D	MSM40D	D	1 2 3	5.1V 24.0V -12.0V	4A 1A 0.4A	40W	5.00	3.00	1.38	67.90	62.70	58.70

40 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 85-264 VAC
- Input mating connector: Molex P/N 09-50-1031
- Output mating connector: Molex P/N 09-50-1061
- Mating connector contacts: Molex P/N 3-770476-1

Features:
- Wide range AC input
- High Effeciency
- Meets FCC Class B, CISPR 11 Class B
- EMC per EN60601-1-2
- IEC 60601-1

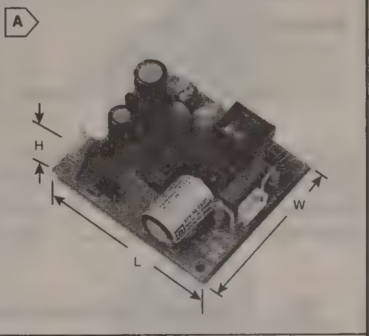
RoHS Compliant

For quantities of 50 and up, call for quote.

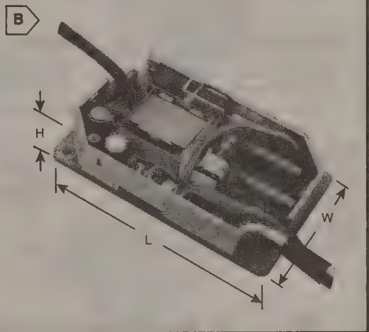
MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MS4009F	MS4009F	E	9V	4.4A	40W	5.0	3.0	1.083	35.89	32.90	30.36	28.20
680-MS4012F	MS4012F	E	12V	3.3A	40W	5.0	3.0	1.083	35.89	32.90	30.36	28.20
680-MS4015F	MS4015F	E	15V	2.7A	40W	5.0	3.0	1.083	35.89	32.90	30.36	28.20
680-MS4018F	MS4018F	E	18V	2.2A	40W	5.0	3.0	1.083	35.89	32.90	30.36	28.20
680-MS4024F	MS4024F	E	24V	1.67A	40W	5.0	3.0	1.083	35.89	32.90	30.36	28.20

DIMENSIONS: in.

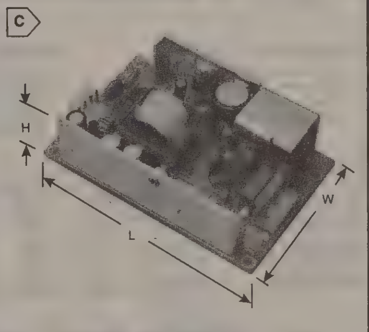
A



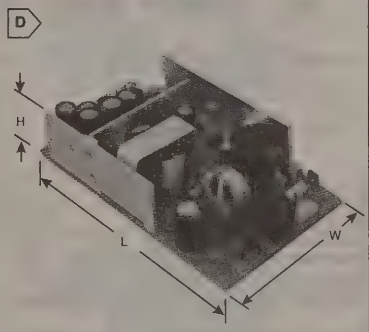
B



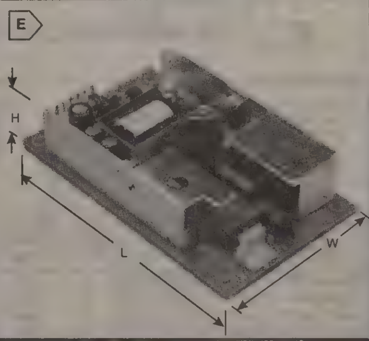
C



D



E



ELPAC Medical Power Supplies

ELPAC POWER SYSTEMS

60 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input mating connector: Molex p/n 09-50-3031
- Output mating connector: Molex p/n 09-91-0400
- Output mating connector contacts: Molex p/n 08-50-0165

Features:
- Wide range AC input, fully regulated output
- Efficiency: 80% @ full load
- Meets FCC Class B, CISPR 11 Class B
- IEC 60601-1

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MSM6012	MSM6012	A	12V	5A	60W	5.0	3.0	1.3	**61.19**	**58.75**	**56.92**	**52.88**
680-MSM6024	MSM6024	A	24V	2.5A	60W	5.0	3.0	1.3	**61.19**	**58.75**	**56.92**	**52.88**

60 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 100-240 VAC
- Input/Output mating connector: Molex 5195 or 5239 series

Features:
- Wide range AC input, fully regulated output
- Efficiency: 80% @ full load
- Meets FCC Class B, CISPR 11 Class B
- IEC 60601-1

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MSM6312	MSM6312	B	12V	5A	60W	4.00	2.00	0.92	**61.27**	**58.05**	**54.83**	**48.38**
680-MSM6315	MSM6315	B	15V	4A	60W	4.00	2.00	0.92	**61.27**	**58.05**	**54.83**	**48.38**
680-MSM6324	MSM6324	B	24V	2.5A	60W	4.00	2.00	0.92	**61.27**	**58.05**	**54.83**	**48.38**

65 WATT MEDICAL POWER SUPPLIES

RoHS Compliant

Specifications:
- Input voltage: 85-264 VAC
- Input mating connector: AMP p/n 640250-3
- Output mating connector: AMP p/n 640250-6
- Mating connector contacts: AMP p/n 770476

Features:
- Wide range AC Input
- High Efficiency
- LED Indicator
- Meets ECC Class B CISPR 11 Class BEMC per EN60601-1-2
- IEC 60601-1

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MS6509F	MS6509F	C	9V	6.3A	65W	5.0	2.99	1.15	**54.92**	**50.35**	**46.47**	**43.15**
680-MS6512F	MS6512F	C	12V	5.4A	65W	5.0	2.99	1.15	**54.92**	**50.35**	**46.47**	**43.15**
680-MS6515F	MS6515F	C	15V	4.3A	65W	5.0	2.99	1.15	**54.92**	**50.35**	**46.47**	**43.15**
680-MS6524F	MS6524F	C	24V	2.7A	65W	5.0	2.99	1.15	**54.92**	**50.35**	**46.47**	**43.15**

75 WATT MEDICAL POWER SUPPLIES

Specifications:
- Input voltage: 90-264 VAC
- Input mating connector: AMP p/n 640250-5
- Output mating connector: AMP p/n 640250-9
- Mating connector contacts: AMP p/n 770476-1

Features:
- Wide range AC input, fully regulated output
- Efficiency: 80% @ full load
- Meets FCC Class B, CISPR 11 Class B
- IEC 60601-1

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No. .	Fig.	DC Output Voltage	Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MSM7512	MSM7512	D	12V	6.3A	75W	5.750	3.400	1.663	**63.75**	**57.18**	**54.47**	**47.85**
680-MSM7515	MSM7515	D	15V	5A	75W	5.750	3.400	1.663	**63.75**	**57.18**	**54.47**	**47.85**
680-MSM7524	MSM7524	D	24V	3.1A	75W	5.750	3.400	1.663	**63.75**	**57.18**	**54.47**	**47.85**
680-MSM7528	MSM7528	D	28V	2.7A	75W	5.750	3.400	1.663	**63.75**	**57.18**	**54.47**	**47.85**

115 WATT MEDICAL POWER SUPPLIES

RoHS Compliant

Specifications:
- Input voltage: 85-264 VAC
- Input mating connector: AMP p/n 640250-5
- Signal mating connector: AMP p/n 640621-4
- Output mating connector: AMP p/n 640250-8
- Mating connector contacts: AMP p/n 770476-*

Features:
- Wide range AC input, fully regulated output
- Efficiency: 74% @ full load
- Meets FCC Class B, CISPR 11 Class B
- IEC 60601-1

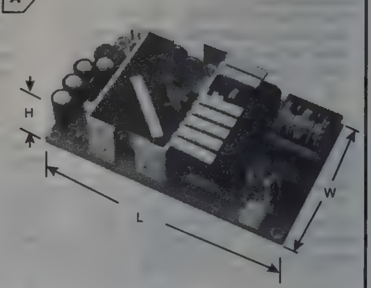
† Unrestricted Convection

For quantities of 50 and up, call for quote.

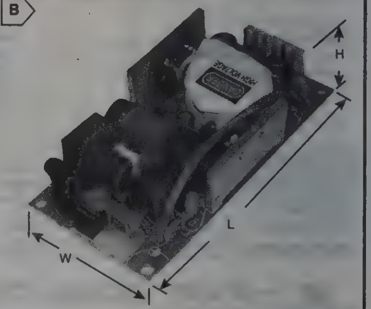
MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	† Output Current (A)	Power	Dimensions: in.			Price Each			
						L	W	H	1	5	10	25
680-MSMP11512F	MSMP11512F	E	12V	6.7A	115W	5.25	3.30	1.50	**115.07**	**109.25**	**104.00**	**100.50**
680-MSMP11515F	MSMP11515F	E	15V	5.3A	115W	5.25	3.30	1.50	**115.07**	**109.25**	**104.00**	**100.50**
680-MSMP11524F	MSMP11524F	E	24V	3.3A	115W	5.25	3.30	1.50	**115.07**	**109.25**	**104.00**	**100.50**
680-MSMP11528F	MSMP11528F	E	28V	2.9A	115W	5.25	3.30	1.50	**115.07**	**109.25**	**104.00**	**100.50**

DIMENSIONS: in.

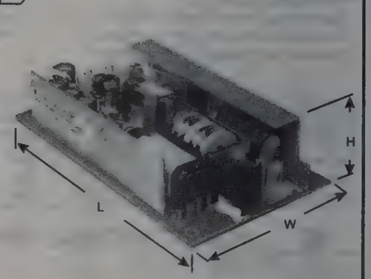
A



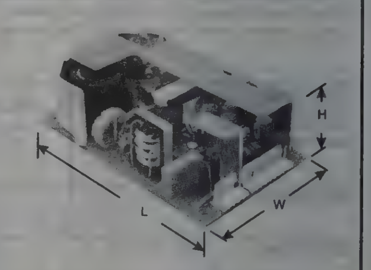
B



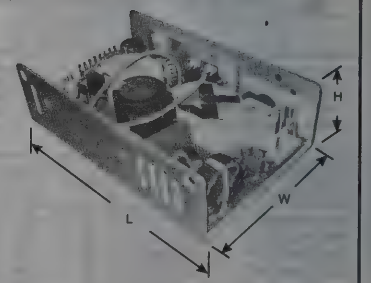
C



D



E



ETA-USA Switching Power Supplies and AC Adapters

ETA-USA

WR SERIES AC INPUT SINGLE AND MULTIPLE OUTPUT

- Universal Input 85 ~ 264 Vac
- Output Voltage Adjustable
- Over Voltage / Over Current Protection
- EMI Meets EN 55022/B, FCC/B
- Approved UL1950, EN60950, CSA234

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions: in.			Price Each			
					W	L	H	1	5	10	25
Single Output											
618-WRM05SXU	WRM05SX-U	A	15W	5	3.82	3.88	1.32	**57.33**	**53.75**	**51.95**	**50.16**
618-WRM12SXU	WRM12SX-U	A	15W	12	3.82	3.88	1.32	**57.33**	**53.75**	**51.95**	**50.16**
618-WRM24SXU	WRM24SX-U	A	15W	24	3.82	3.88	1.32	**57.33**	**53.75**	**51.95**	**50.16**
618-WRT24SXU	WRT24SX-U	A	30W	24	3.82	4.88	1.44	**70.54**	**66.14**	**63.93**	**61.73**
618-WRB24SXU	WRB24SX-U	A	50W	24	3.82	6.26	1.56	**99.50**	**93.29**	**90.18**	**87.07**
618-WRE24SXU	WRE24SX-U	A	150W	24	2.56	8.15	3.66	**225.30**	**211.72**	**204.94**	**198.15**
2 Channel Output											
618-WRA24FWX	WRA24FWX-U	A	25W	5 12	1.3	4.59	3.82	**74.22**	**69.59**	**67.27**	**64.95**
618-WRB21FWX	WRB21FWX-B-U	A	50W	5 24	1.56	6.26	3.82	**107.39**	**100.68**	**97.32**	**93.97**
3 Channel Output											
618-WRM04X	WRM04X-U	A	15W	5 +/-15	1.32	3.88	3.82	**62.64**	**58.73**	**56.77**	**54.81**
618-WRB01X	WRB01X-U	A	50W	5 +/-12	1.56	6.26	3.82	**111.87**	**104.88**	**101.38**	**97.89**

FH SERIES AC INPUT SINGLE OUTPUT

- Three Year Warranty
- Universal Input: 85 ~ 264 Vac
- Immunity Against Surge and Burst
- Power Factor Corrected
- EMI/RFI Complies to VDE 0871/B, EN 55022/B, FCC/B
- UL, CSA, and VDE approvals

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions: in.			Price Each			
					W	L	H	1	5	10	25
618-FHD24SX	FHD24SX-U	B	100W	30	1.89	7.52	3.66	**205.64**	**192.25**	**186.17**	**180.09**
618-FHE24SX	FHE24SX-U	B	150W	24	2.56	8.15	3.66	**257.83**	**241.04**	**233.42**	**225.79**
618-FHF24SX	FHF24SX-U	B	300W	24	4.72	6.69	3.66	**431.32**	**403.25**	**390.49**	**377.73**
618-FHP30SX	FHP30SX-U	B	450W	30	4.72	7.48	3.66	**480.97**	**449.67**	**435.44**	**421.21**
618-FHG48SX	FHG48SX-U	B	600W	48	5.12	7.87	3.66	**646.56**	**604.48**	**585.35**	**566.22**

BW SERIES AC INPUT SINGLE OUTPUT

- Universal Input: 85~264 Vac
- Meets UL 1950, CSA (C-UL), EN60950
- Over Voltage / Over Current Protection
- EMI Complies with EN55022B, FCC/B

RoHS Compliant

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions: in.			Price Each			
					W	L	H	1	5	10	25
618-BWS05SX	BWS05SX-U	C	10W	5	1.97	4.13	0.79	**28.19**	**26.47**	**25.61**	**24.75**
618-BWS12SX	BWS12SX-U	C	10W	12	1.97	4.13	0.79	**28.19**	**26.47**	**25.61**	**24.75**
618-BWT36SX	BWT36SX-U	C	30W	36	2.17	5.24	1.02	**47.36**	**44.48**	**43.03**	**41.30**
618-BWC48SX	BWC48SX-U	C	75W	48	2.17	8.74	1.26	**76.65**	**71.98**	**69.64**	**66.84**

ER SERIES AC INPUT SINGLE OUTPUT

- UL 1950-D3 Approved
- EMI Complies to FCC/A, FCC/B, for ERD & ERE series
- Over Voltage / Over Current Protection
- Universal Input 85~132 Vac

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions: in.			Price Each			
					W	L	H	1	5	10	25
618-ERS05SA	ERS05SA-P	D	10W	5	2.91	2.68	1.06	**38.05**	**35.73**	**34.57**	**33.18**
618-ERS12SA	ERS12SA-P	D	10W	12	2.91	2.68	1.06	**38.05**	**35.73**	**34.57**	**33.18**
618-ERS24SA	ERS24SA-P	D	10W	24	2.91	2.68	1.06	**38.05**	**35.73**	**34.57**	**33.18**
618-ERA24SA	ERA24SA-P	D	25W	24	3.82	4.59	1.22	**56.94**	**53.47**	**51.73**	**50.00**
618-ERD15SA	ERD15SA-P	D	100W	15	1.97	6.50	3.66	**118.54**	**111.31**	**107.70**	**103.36**
618-ERE24SA	ERE24SA-P	D	150W	24	2.56	6.97	3.62	**154.13**	**144.73**	**140.03**	**134.39**

WT SERIES AC ADAPTERS

- Low Ripple Noise
- Input: 100 ~ 240 Vac
- Output Connector: 2.1 x 5.5mm
- 2.5 foot DC Cord Included

Other voltages available. Contact a Mouser Service Representative.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions: in.			Price Each			
					W	L	H	1	5	10	25
618-WCR6.6-3.3SX	WCR6.6-3.3SX-Y-2	E	6.6W	3.3	1.75	2.56	1.05	**14.95**	**13.96**	**13.05**	**12.14**
618-WCS10-05SX	WCS10-05SX-Y-2	E	10W	5	1.75	2.56	1.05	**15.77**	**14.78**	**13.80**	**12.81**
618-WMS10-06SX	WMS10-06SX-Y-2	F	10W	6	2.98	2.00	1.24	**14.95**	**14.02**	**13.08**	**12.15**
618-WMS10-07.5SX	WMS10-07.5SX-Y-2	F	10W	7.5	2.98	2.00	1.24	**14.95**	**14.02**	**13.08**	**12.15**
618-WMS10-09SX	WMS10-09SX-Y-2	F	10W	9	2.98	2.00	1.24	**14.95**	**14.02**	**13.08**	**12.15**
618-WMS10-12SX	WMS10-12SX-Y-2	F	10W	12	2.98	2.00	1.24	**14.95**	**14.02**	**13.08**	**12.15**

DT SERIES AC ADAPTERS

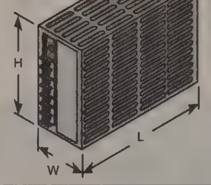
- Low Ripple Noise
- Over Power, Over Voltage and Short Circuit Protection
- Input: 115 ~ 230 Vac

Other voltages available. Contact a Mouser Service Representative.

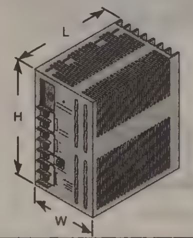
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	ETA-USA Part No.	Fig.	Power	Output Voltage	Dimensions: in.			Price Each			
					W	L	H	1	5	10	25
618-DTM15-5SX	DTM15-5SX-SP	G	12.5W	5	1.97	3.39	1.30	**23.61**	**22.53**	**21.31**	**20.10**
618-DTM15-7.5SX	DTM15-7.5SX-SP	G	15W	7.5	1.97	3.39	1.30	**23.61**	**22.53**	**21.31**	**20.10**
618-DTL60-20SX	DTL60-20SX-W	G	60W	19.5	2.72	5.20	1.57	**45.54**	**44.40**	**42.83**	**40.98**
618-DTD100-19SX	DTD100-19SX-W	G	100W	19	4.13	7.36	2.36	**65.63**	**62.19**	**58.73**	**55.28**
618-DTA27-0512FWX	DTA27-0512FWX-W-3	G	27W	Dual(+5, +12)	2.36	4.17	1.18	**40.82**	**38.56**	**36.73**	**34.70**
618-DTA27-3X	DTA27-3X-W	G	27W	Triple(+5, +12, -12)	2.72	5.20	1.57	**49.76**	**47.47**	**45.18**	**42.90**
618-DTB47-3X	DTB47-3X-W	G	47W	Triple(+5, +12, -12)	2.72	5.20	1.57	**52.51**	**50.12**	**47.42**	**44.72**
AC Input Cord (Sold Seperately)								**3.94**	**3.20**	**2.73**	**2.49**
173-63101-E	7ft. 6 in., 3-wire, 18AWG, Black A cord										

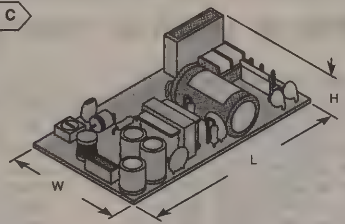
A



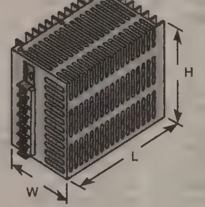
B



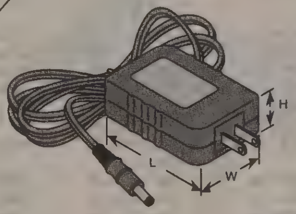
C



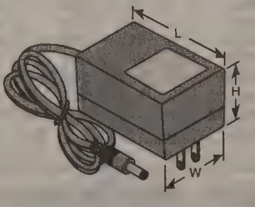
D



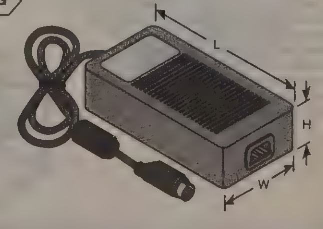
E



F

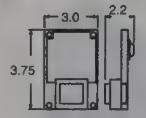


G

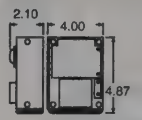


INTERNATIONAL POWER Linear DC Power Supplies

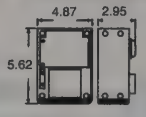
DIMENSIONS (IN)



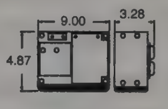
A Case



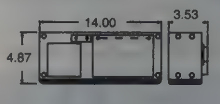
B Case



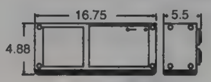
C Case



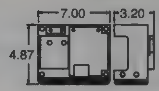
D Case



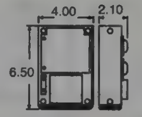
E Case



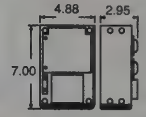
F Case



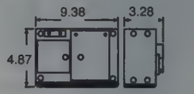
N Case



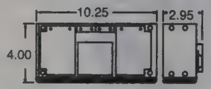
AA Case



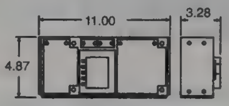
BB Case



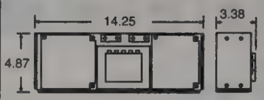
CC Case



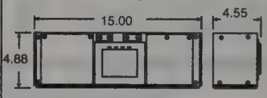
BAA Case



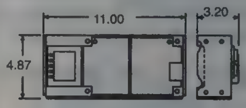
CBB Case



DBB Case



DCC Case



131 Case

LINEAR DC POWER SUPPLIES

Single Output Models

MOUSER STOCK NO.	Case Style	Output #1	Price Each 1	Price Each 10
597-A5-1.2/P	A	5V @ 1.2A	37.00	35.15
597-A5-1.5/P	B	5V @ 1.5A	37.00	35.15
597-B5-3/P	B	5V @ 3A	37.00	35.15
597-C5-6/P	C	5V @ 6A	61.50	58.43
597-N5-9/P	N	5V @ 9A	84.00	79.80
597-D5-12/P	D	5V @ 12A	95.50	90.73
597-E5-18/P	E	5V @ 18A	134.75	128.01
597-F5-25/P	F	5V @ 25A	203.45	193.28
597-B12-1.7	B	12V @ 1.7A	37.00	35.15
597-C12-3.4	C	12V @ 3.4A	56.50	53.68
597-N12-5.1	N	12V @ 5.1A	79.00	75.05
597-D12-6.8	D	12V @ 6.8A	89.50	85.03
597-E12-10.2	E	12V @ 10.2A	124.75	118.51
597-A15-0.5	A	12V-15V @ 0.5A	37.00	35.15
597-A15-0.9	B	12V-15V @ 0.9A	37.00	35.15
597-B15-1.5	B	15V @ 1.5A	37.00	35.15
597-C15-3.0	C	15V @ 3A	56.50	53.68
597-N15-4.5	N	15V @ 4.5A	79.00	75.05
597-D15-6.0	D	15V @ 6A	89.50	85.03
597-F15-15	F	12V@16A or 15V@15A	203.45	193.25
597-A24-0.5	B	24V @ 0.5A	37.00	35.15
597-B24-1.2	B	24V @ 1.2A	37.00	35.15
597-C24-2.4	C	24V @ 2.4A	56.50	53.68
597-N24-3.6	N	24V @ 3.6A	79.00	75.05
597-D24-4.8	D	24V @ 4.8A	89.50	85.03
597-E24-7.2	E	24V @ 7.2A	124.75	118.51
597-F24-12	F	24V@12A or 28V@10A	203.45	193.28
597-B28-1.0	B	28V @ 1.0A	37.00	35.15
597-C28-2.0	C	28V @ 2.0A	56.50	53.68
597-N28-3.0	N	28V @ 3.0A	79.00	75.05
597-D28-4.0	D	28V @ 4.0A	89.50	85.03
597-E28-6.0	E	28V @ 6.0A	124.75	118.51
597-B48-0.5	B	48V @ 0.5A	45.00	42.75
597-C48-1.0	C	48V @ 1.0A	61.50	58.43
597-D48-3.0	D	48V @ 3.0A	95.50	90.73
597-E48-4.0	E	48V @ 4.0A	134.75	128.01
597-B155-0.12	B	135-170V @ .12A	46.15	43.84
597-B200-0.12	B	175-210V @ .12A	46.15	43.84
597-B250-0.1	B	215-265V @ .1A	46.15	43.84

Specifications:

- AC input: 100/120/220/230-240VAC, +10%-13%, 47 to 63Hz
- Line regulation: ±0.05% for a +10% line change
- Load regulation: ±0.05% for a 50% load change
- Output ripple: 5.0mV max. peak-to-peak on 5-28V units, 0.02% max. peak-to-peak on 48-155V units, 0.05% max. peak-to-peak on 200-250V units

Features:

- UL, CUL, TUV, CE safety approved
- Over voltage protection on 5V outputs (set @ 6.2±0.4V)
- All chassis are pre-drilled to accommodate 597-P12 and 597-P24 over voltage protection modules
- Two year warranty

1950
E133338

950

Over Voltage Protection Modules

MOUSER STOCK NO.	Price Each 1	Price Each 10
597-P12	10.95	10.40
597-P24	18.95	18.00

Dual Output Models

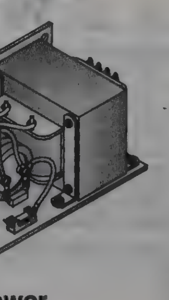
MOUSER STOCK NO.	Case Style	Output #1	Output #2	Price Each 1	Price Each 10
597-AA512	AA	5V @ 2A	12-15V @ 0.5A	56.15	53.35
597-BB512	BB	5V @ 3A	12-15V @ 1.5A	68.00	64.60
597-CC512	CC	5V @ 6A	12-15V @ 2.5A	103.85	98.66
597-AD12-0.4	B	12V @ 0.4A	-12V @ 0.4A	41.45	39.98
597-AD15-0.4	B	15V @ 0.4A	-15V @ 0.4A	41.45	39.98
597-AA15-0.8	AA	12V @ 1A or 15V @ 0.8A	-12V @ 1A or -15V @ 0.8A	48.65	46.22
597-BB15-1.5	BB	12V @ 1.7A or 15V @ 1.5A	-12V @ 1.7A or -15V @ 1.5A	63.00	59.85
597-CC15-3.0	CC	12V @ 3.4A or 15V @ 3.0A	-12V @ 3.4A or -15V @ 3.0A	98.85	93.91
597-DD15-5.0	E	12-15V @ 5A	-12-15V @ 5A	146.05	138.75
597-AA24-0.6	AA	18-20V @ 0.4A or 24V @ 0.6A	-18-20V @ 0.4A or -24V @ 0.6A	48.65	46.22
597-BB24-1.2	BB	18-20V @ 0.9A or 24V @ 1.2A	-18-20V @ 0.9A or -24V @ 0.6A	63.00	59.85
597-CC24-2.4	CC	18-20V @ 1.8A or 24V @ 2.4A	-18-20V @ 1.8A or -24V @ 2.4A	98.85	93.91

Triple Output Models

MOUSER STOCK NO.	Case Style	Output #1	Output #2	Output #3	Price Each 1	Price Each 10
597-TAA-16W	AA	5V @ 2A	12 to 15V @ 0.4A	-12 to -15V @ 0.4A or -5V @ 0.4A	61.80	58.71
597-BAA-40W	BAA	5V @ 3A	12V @ 1A or 15V @ 0.8A	-12V @ 1A or -15V @ 0.8A or -5V @ 0.4A	84.80	80.56
597-BCC512	CC	5V @ 3A	12V @ 3.4A or 15V @ 3A	-12V @ 3.4A or -15V @ 3A	150.16	144.66
597-BCC524	CC	5V @ 3A	18-20V @ 1.8A or 24V @ 2.4A	-18-20V @ 1.8A or -24V @ 2.4A	130.80	124.26
597-CAA-60W	D	5V @ 6A	12 to 15V @ 1A	-12 to -15V @ 1A or -5V @ 0.4A	101.10	96.05
597-CBB-75W	CBB	5V @ 6A	12V @ 1.7A or 15V @ 1.5A	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A	112.30	106.69
597-CP131	131	5V @ 8A	12V @ 1.7A or 15V @ 1.5A	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A	134.75	128.01
597-DBB-105W	DBB	5V @ 12A	12V @ 1.7A or 15V @ 1.5A	-12V @ 1.7A or -15V @ 1.5A or -5V @ 0.7A	151.40	143.83
597-DCC-150W	DCC	5V @ 12A	12V @ 3.4A or 15V @ 3A	-12V @ 3.4A or -15V @ 3A	173.85	165.16

UNREGULATED POWER SUPPLIES

The IP500U series unregulated power supply line is designed for high current applications at low cost when full regulation is not required. This rugged, highly reliable power supply line is ideal for applications such as powering solenoids, relays, DC motors, lamps, and DC-DC converters.



Specifications:

- AC input: 108/120/132/216/240/264VAC, 47 to 63Hz
- Output ripple: 3%RMS @ full rated load, 4% on 12 volt model
- Efficiency @ full load: 80% typical
- UL recognized for USA and Canada, file no. 133338
- CE & TUV

950

1950
E133338

MOUSER STOCK NO.	Typical DC Output @ 120VAC Input				Price Each	
	No Load	Half Load	Full Load	Amps Full Load	1	10
597-IP500U24	29.2	26.8	24.6	20	215.50	204.73
597-IP500U36	42.8	38.2	36.1	13.3	215.50	204.73
597-IP500U48	56.6	52.8	48.8	10	215.50	204.73
597-IP500U75	85.5	78.2	74.8	6.6	215.50	204.73

MEAN WELL Power Supplies

MEAN WELL 25W-150W SINGLE OUTPUT SWITCHING POWER SUPPLY

Specifications:

- Universal Input 25W-60W: 85~264VAC
  100-150W: 88~132VAC/176~264VAC selected by switch
- AC Input Frequency: 47~63Hz

Features:

- Short circuit, overload, and overvoltage protection
- Cooling by free air convection
- 100% full load burn-in test
- Compliance to EN55022 Class B and EN61000-3-2

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Mean Well Part No.	Fig.	Output Voltage	Output Current	Power	Dimensions: mm			Price Each		
						L	W	H	1	10	20
709-S25-5	S-25-5	A	5V	5A	25W	98.5	97	36	30.60	27.54	24.79
709-S25-12	S-25-12	A	12V	2.1A	25.2W	98.5	97	36	30.60	27.54	24.79
709-S25-15	S-25-15	A	15V	1.7A	25.5W	98.5	97	36	30.60	27.54	24.79
709-S25-24	S-25-24	A	24V	1.1A	26.4W	98.5	97	36	30.60	27.54	24.79
709-S40-5	S-40-5	B	5V	8A	40W	129	98	38	36.00	32.40	29.16
709-S40-12	S-40-12	B	12V	3.5A	42W	129	98	38	36.00	32.40	29.16
709-S40-15	S-40-15	B	15V	2.8A	42W	129	98	38	36.00	32.40	29.16
709-S40-24	S-40-24	B	24V	1.8A	43W	129	98	38	36.00	32.40	29.16
709-S60-5	S-60-5	B	5V	12A	60W	159	97	38	39.24	35.32	31.78
709-S60-12	S-60-12	B	12V	5A	60W	159	97	38	39.24	35.32	31.78
709-S60-15	S-60-15	B	15V	4A	60W	159	97	38	39.24	35.32	31.78
709-S60-24	S-60-24	B	24V	2.5A	60W	159	97	38	39.24	35.32	31.78
709-S100F-5	S-100F-5	B	5V	20A	100W	199	98	38	47.88	43.09	38.78
709-S100F-12	S-100F-12	B	12V	8.5A	102W	199	98	38	47.88	43.09	38.78
709-S100F-15	S-100F-15	B	15V	6.7A	100.5W	199	98	38	47.88	43.09	38.78
709-S100F-24	S-100F-24	B	24V	4.5A	108W	199	98	38	47.88	43.09	38.78
709-S100F-48	S-100F-48	B	48V	2.2A	105.6W	199	98	38	47.88	43.09	38.78
709-S150-5	S-150-5	C	5V	30A	150W	199	97	50	57.96	52.16	46.95
709-S150-12	S-150-12	C	12V	12.5A	150W	199	97	50	57.96	52.16	46.95
709-S150-15	S-150-15	C	15V	10A	150W	199	97	50	57.96	52.16	46.95
709-S150-24	S-150-24	C	24V	6.5A	156W	199	97	50	57.96	52.16	46.95
709-S150-48	S-150-48	C	48V	3.2A	153.6W	199	97	50	57.96	52.16	46.95

MEAN WELL 25W-150W SINGLE OUTPUT SWITCHING POWER SUPPLY

Specifications:

- Universal Input 25W-100W: 88~264VAC
  150W: 88~132VAC/176~264VAC selected by switch
- AC Input Frequency: 47~63Hz

Features:

- Short circuit, overload, and overvoltage protection
- LED indicator for power on
- High operating temperature up to 70°C
- Compliance to EN55022 Class B and EN61000-3-2

RoHS Compliant

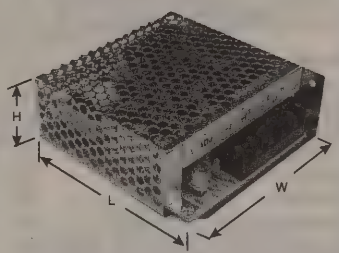
CB

For quantities of 50 and up, call for quote.

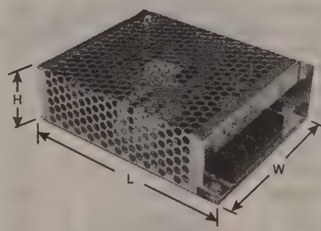
MOUSER STOCK NO.	Mean Well Part No.	Fig.	Output Voltage	Output Current	Power	Dimensions: mm			Price Each		
						L	W	H	1	10	20
709-RS25-3.3	RS-25-3.3	D	3.3V	6A	19.8W	79	51	28	33.84	30.46	27.41
709-RS25-5	RS-25-5	D	5V	5A	25W	79	51	28	33.84	30.46	27.41
709-RS25-12	RS-25-12	D	12V	2.1A	25.2W	79	51	28	33.84	30.46	27.41
709-RS25-15	RS-25-15	D	15V	1.7A	25.5W	79	51	28	33.84	30.46	27.41
709-RS25-24	RS-25-24	D	24V	1.1A	26.4W	79	51	28	33.84	30.46	27.41
709-RS25-48	RS-25-48	D	48V	0.57A	27.36W	79	51	28	33.84	30.46	27.41
709-RS35-3.3	RS-35-3.3	B	3.3V	7A	23.1W	99	82	36	39.24	35.32	31.78
709-RS35-5	RS-35-5	B	5V	7A	35W	99	82	36	39.24	35.32	31.78
709-RS35-12	RS-35-12	B	12V	3A	36W	99	82	36	39.24	35.32	31.78
709-RS35-15	RS-35-15	B	15V	2.4A	36W	99	82	36	39.24	35.32	31.78
709-RS35-24	RS-35-24	B	24V	1.5A	36W	99	82	36	39.24	35.32	31.78
709-RS35-48	RS-35-48	B	48V	0.8A	38.4W	99	82	36	39.24	35.32	31.78
709-RS50-3.3	RS-50-3.3	D	3.3V	10A	33W	99	97	36	42.48	38.23	34.41
709-RS50-5	RS-50-5	D	5V	10A	50W	99	97	36	42.48	38.23	34.41
709-RS50-12	RS-50-12	D	12V	4.2A	50.4W	99	97	36	42.48	38.23	34.41
709-RS50-15	RS-50-15	D	15V	3.4A	51W	99	97	36	42.48	38.23	34.41
709-RS50-24	RS-50-24	D	24V	2.2A	52.8W	99	97	36	42.48	38.23	34.41
709-RS50-48	RS-50-48	D	48V	1.1A	52.8W	99	97	36	42.48	38.23	34.41
709-RS75-3.3	RS-75-3.3	D	3.3V	15A	49.5W	129	98	38	52.20	46.98	42.28
709-RS75-5	RS-75-5	D	5V	12A	60W	129	98	38	44.55	38.00	35.40
709-RS75-12	RS-75-12	D	12V	6A	72W	129	98	38	52.20	46.98	42.28
709-RS75-15	RS-75-15	D	15V	5A	75W	129	98	38	52.20	46.98	42.28
709-RS75-24	RS-75-24	D	24V	3.2A	76.8W	129	98	38	52.20	46.98	42.28
709-RS75-48	RS-75-48	D	48V	1.6A	76.8W	129	98	38	52.20	46.98	42.28
709-RS100-3.3	RS-100-3.3	B	3.3V	20A	66W	159	97	38	72.00	64.80	58.32
709-RS100-5	RS-100-5	B	5V	16A	80W	159	97	38	72.00	64.80	58.32
709-RS100-12	RS-100-12	B	12V	8.5A	102W	159	97	38	72.00	64.80	58.32
709-RS100-15	RS-100-15	B	15V	7A	105W	159	97	38	72.00	64.80	58.32
709-RS100-24	RS-100-24	B	24V	4.5A	108W	159	97	38	72.00	64.80	58.32
709-RS100-48	RS-100-48	B	48V	2.3A	110.4W	159	97	38	72.00	64.80	58.32
709-RS150-3.3	RS-150-3.3	B	3.3V	30A	99W	199	98	38	74.16	66.74	60.07
709-RS150-5	RS-150-5	B	5V	26A	130W	199	98	38	74.16	66.74	60.07
709-RS150-12	RS-150-12	B	12V	12.5A	150W	199	98	38	74.16	66.74	60.07
709-RS150-15	RS-150-15	B	15V	10A	150W	199	98	38	74.16	66.74	60.07
709-RS150-24	RS-150-24	B	24V	6.5A	156W	199	98	38	74.16	66.74	60.07
709-RS150-48	RS-150-48	B	48V	3.3A	158.4W	199	98	38	74.16	66.74	60.07

DIMENSIONS: mm

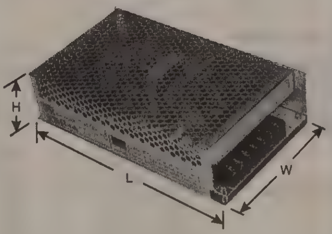
A



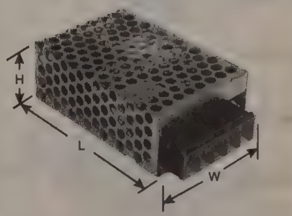
B



C



D



MEAN WELL Power Supplies

MEAN WELL 5W-200W SINGLE / TRIPLE OUTPUT SWITCHING POWER SUPPLY

Features:
- Short circuit, overload, and overvoltage protection
- Cooling by free air convection
- 100% full load burn-in test
- Compliance to EN55022 Class B and EN61000-3-2

CE CB RoHS Compliant

Single Output

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Mean Well Part No.	Fig.	Output Voltage	Output Current	Power	Dimensions: mm			Price Each		
						L	W	H	1	10	20
• Universal Input: 85~264VAC	• AC Input Frequency: 47~63Hz										
709-PS05-5	PS-05-5	A	5V	1A	5W	75	40	20	15.12	13.61	12.25
709-PS05-12	PS-05-12	A	12V	0.45A	5.4W	75	40	20	15.12	13.61	12.25
709-PS05-15	PS-05-15	A	15V	0.35A	5.25W	75	40	20	15.12	13.61	12.25
709-PS05-24	PS-05-24	A	24V	0.22A	5.28W	75	40	20	15.12	13.61	12.25
709-PS05-48	PS-05-48	A	48V	0.11A	5.28W	75	40	20	15.12	13.61	12.25
709-PS15-5	PS-15-5	B	5V	2.8A	14W	94	49	25	19.80	17.82	16.04
709-PS15-12	PS-15-12	B	12V	1.25A	15W	94	49	25	19.80	17.82	16.04
709-PS15-15	PS-15-15	B	15V	1A	15W	94	49	25	19.80	17.82	16.04
709-PS15-24	PS-15-24	B	24V	0.625A	15W	94	49	25	19.80	17.82	16.04
709-PS15-48	PS-15-48	B	48V	0.313A	15W	94	49	25	19.80	17.82	16.04
709-PS25-3.3	PS-25-3.3	C	3.3V	5A	16.5W	107	61	28	23.04	20.74	18.66
709-PS25-5	PS-25-5	C	5V	5A	25W	107	61	28	23.04	20.74	18.66
709-PS25-12	PS-25-12	C	12V	2.1A	25.2W	107	61	28	23.04	20.74	18.66
709-PS25-15	PS-25-15	C	15V	1.7A	25.5W	107	61	28	23.04	20.74	18.66
709-PS25-24	PS-25-24	C	24V	1A	24W	107	61	28	23.04	20.74	18.66
709-PS25-48	PS-25-48	C	48V	0.5A	24W	107	61	28	23.04	20.74	18.66
• Universal Input: 90~264VAC	• AC Input Frequency: 47~440Hz										
709-PS35-3.3	PS-35-3.3	D	3.3V	6A	19.8W	101.6	50.8	24	27.36	24.62	22.16
709-PS35-5	PS-35-5	D	5V	6A	30W	101.6	50.8	24	27.36	24.62	22.16
709-PS35-12	PS-35-12	D	12V	3A	36W	101.6	50.8	24	27.36	24.62	22.16
709-PS35-15	PS-35-15	D	15V	2.4A	36W	101.6	50.8	24	27.36	24.62	22.16
709-PS35-24	PS-35-24	D	24V	1.5A	36W	101.6	50.8	24	27.36	24.62	22.16
709-PS35-48	PS-35-48	D	48V	0.75A	36W	101.6	50.8	24	27.36	24.62	22.16
709-PS45-3.3	PS-45-3.3	E	3.3V	8A	26.4W	127	76	28	25.20	22.68	20.41
709-PS45-5	PS-45-5	E	5V	8A	40W	127	76	28	25.20	22.68	20.41
709-PS45-12	PS-45-12	E	12V	3.7A	44.4W	127	76	28	25.20	22.68	20.41
709-PS45-15	PS-45-15	E	15V	3A	45W	127	76	28	25.20	22.68	20.41
709-PS45-24	PS-45-24	E	24V	1.9A	45.6W	127	76	28	25.20	22.68	20.41
709-PS45-48	PS-45-48	E	48V	1A	48W	127	76	28	25.20	22.68	20.41
709-PS65-3.3	PS-65-3.3	F	3.3V	12A	39.6W	127	76	42	28.44	25.60	23.04
709-PS65-5	PS-65-5	F	5V	12A	60W	127	76	42	28.44	25.60	23.04
709-PS65-12	PS-65-12	F	12V	5.2A	62.4W	127	76	42	28.44	25.60	23.04
709-PS65-15	PS-65-15	F	15V	4.2A	63W	127	76	42	28.44	25.60	23.04
709-PS65-24	PS-65-24	F	24V	2.7A	64.8W	127	76	42	28.44	25.60	23.04
709-PS65-48	PS-65-48	F	48V	1.35A	64.8W	127	76	42	28.44	25.60	23.04

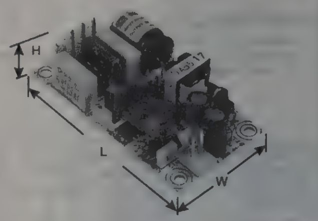
Triple Output

For quantities of 50 and up, call for quote.

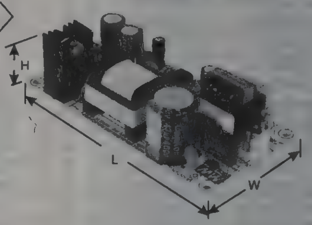
MOUSER STOCK NO.	Mean Well Part No.	Fig.	Output Voltage	Output Current	Power	Dimensions: mm			Price Each		
						L	W	H	1	10	20
• Universal Input: 90~264VAC	• AC Input Frequency: 47~440Hz										
709-PT45A	PT-45A	E	5V 12V -5V	3A 2A 0.3A	40.5W	127	76	28	29.52	26.57	23.91
709-PT45B	PT-45B	E	5V 12V -12V	3A 2A 0.3A	42.6W	127	76	28	29.52	26.57	23.91
709-PT45C	PT-45C	E	5V 15V -15V	3A 1.6A 0.3A	43.5W	127	76	28	29.52	26.57	23.91
• Universal Input: 90~264VAC	• AC Input Frequency: 47~63Hz										
709-PT4503	PT-4503	G	3.3V 5V 12V	4A 4A 1A	45.2W	127	76	28	43.56	39.20	35.28
• Universal Input: 90~264VAC	• AC Input Frequency: 47~440Hz										
709-PT65A	PT-65A	F	5V 12V -5V	5.5A 2.5A 0.5A	60W	127	76	42	33.84	30.46	27.41
709-PT65B	PT-65B	F	5V 12V -12V	5.5A 2.5A 0.5A	63.5W	127	76	42	33.84	30.46	27.41
709-PT65C	PT-65C	F	5V 15V -15V	5.5A 2A 0.5A	65W	127	76	42	33.84	30.46	27.41
709-PT65D	PT-65D	F	5V 12V 24V	4A 2A 1A	68W	127	76	42	33.84	30.46	27.41
• Universal Input: 90~264VAC	• AC Input Frequency: 47~63Hz										
709-PT6503	PT-6503	E	3.3V 5V 12V	6A 6A 1A	61.8W	127	76	42	48.96	44.06	39.66

DIMENSIONS: mm

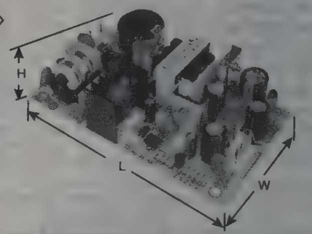
A



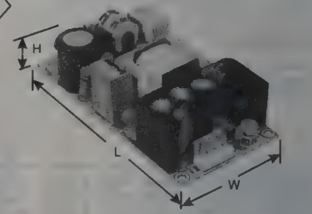
B



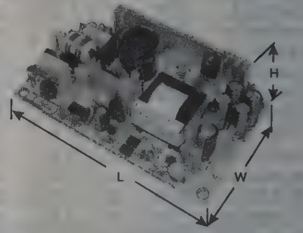
C



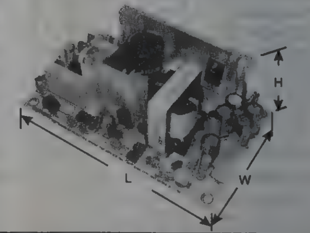
D



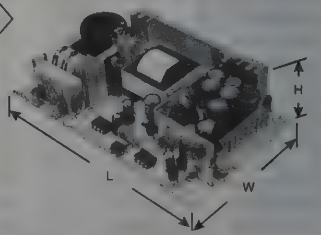
E



F



G



MEAN WELL Medical Power Supplies

MEAN WELL 30W-120W SINGLE OUTPUT MEDICAL SWITCHING POWER SUPPLY

Features:

- Short circuit, overload, and overvoltage protection
- Compliance to EN55011 Class B, EN61000-3-2 and EN60601-1-2 Medical level

RoHS Compliant

CE CB

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Mean Well Part No.	Fig.	Output Voltage	Output Current	Power	Dimensions: mm			Price Each		
						L	W	H	1	10	20
· Universal Input: 88~264VAC · AC Input Frequency: 47~63Hz											
709-MPS30-5	MPS-30-5	A	5V	5A	25W	101.6	65.8	23.5 (max)	**40.32**	**36.29**	**32.66**
709-MPS30-12	MPS-30-12	A	12V	2.5A	30W	101.6	65.8	23.5 (max)	**40.32**	**36.29**	**32.66**
709-MPS30-15	MPS-30-15	A	15V	2A	30W	101.6	65.8	23.5 (max)	**40.32**	**36.29**	**32.66**
709-MPS30-24	MPS-30-24	A	24V	1.2A	28.8W	101.6	65.8	23.5 (max)	**40.32**	**36.29**	**32.66**
709-MPS30-48	MPS-30-48	A	48V	0.6A	28.8W	101.6	65.8	23.5 (max)	**40.32**	**36.29**	**32.66**
· Universal Input: 90~264VAC · AC Input Frequency: 47~440Hz											
709-MPS45-3.3	MPS-45-3.3	B	3.3V	8A	26.4W	127	76	28	**40.32**	**36.29**	**32.66**
709-MPS45-5	MPS-45-5	B	5V	8A	40W	127	76	28	**40.32**	**36.29**	**32.66**
709-MPS45-12	MPS-45-12	B	12V	3.7A	44.4W	127	76	28	**40.32**	**36.29**	**32.66**
709-MPS45-15	MPS-45-15	B	15V	3A	45W	127	76	28	**40.32**	**36.29**	**32.66**
709-MPS45-24	MPS-45-24	B	24V	1.9A	45.6W	127	76	28	**40.32**	**36.29**	**32.66**
709-MPS45-48	MPS-45-48	B	48V	1A	48W	127	76	28	**40.32**	**36.29**	**32.66**
· Universal Input: 90~264VAC · AC Input Frequency: 47~63Hz											
709-RPS60-3.3	RPS-60-3.3	C	3.3V	10A	33W	101.6	50.8	29	**41.40**	**37.26**	**33.53**
709-RPS60-5	RPS-60-5	C	5V	10A	50W	101.6	50.8	29	**41.40**	**37.26**	**33.53**
709-RPS60-12	RPS-60-12	C	12V	5A	60W	101.6	50.8	29	**41.40**	**37.26**	**33.53**
709-RPS60-15	RPS-60-15	C	15V	4A	60W	101.6	50.8	29	**41.40**	**37.26**	**33.53**
709-RPS60-24	RPS-60-24	C	24V	2.5A	60W	101.6	50.8	29	**41.40**	**37.26**	**33.53**
709-RPS60-48	RPS-60-48	C	48V	1.25A	60W	101.6	50.8	29	**41.40**	**37.26**	**33.53**
· Universal Input: 90~264VAC · AC Input Frequency: 47~440Hz											
709-MPS65-3.3	MPS-65-3.3	B	3.3V	12A	39.6W	127	76	42	**42.48**	**38.23**	**34.41**
709-MPS65-5	MPS-65-5	B	5V	12A	60W	127	76	42	**42.48**	**38.23**	**34.41**
709-MPS65-12	MPS-65-12	B	12V	5.2A	62.4W	127	76	42	**42.48**	**38.23**	**34.41**
709-MPS65-15	MPS-65-15	B	15V	4.2A	63W	127	76	42	**42.48**	**38.23**	**34.41**
709-MPS65-24	MPS-65-24	B	24V	2.7A	64.8W	127	76	42	**42.48**	**38.23**	**34.41**
709-MPS65-48	MPS-65-48	B	48V	1.35A	64.8W	127	76	42	**42.48**	**38.23**	**34.41**
· Universal Input: 90~264VAC · AC Input Frequency: 47~63Hz											
709-RPS75-3.3	RPS-75-3.3	D	3.3V	15A	49.5W	127	76.2	31	**57.96**	**52.16**	**46.95**
709-RPS75-5	RPS-75-5	D	5V	14A	70W	127	76.2	31	**57.96**	**52.16**	**46.95**
709-RPS75-12	RPS-75-12	D	12V	6.3A	75.6W	127	76.2	31	**57.96**	**52.16**	**46.95**
709-RPS75-15	RPS-75-15	D	15V	5A	75W	127	76.2	31	**57.96**	**52.16**	**46.95**
709-RPS75-24	RPS-75-24	D	24V	3.2A	76.8W	127	76.2	31	**57.96**	**52.16**	**46.95**
709-RPS75-48	RPS-75-48	D	48V	1.6A	76.8W	127	76.2	31	**57.96**	**52.16**	**46.95**
· Universal Input: 90~264VAC · AC Input Frequency: 47~440Hz											
709-MPS120-3.3	MPS-120-3.3	E	3.3V	24A	79.2W	177	107	35.5	**73.08**	**65.77**	**59.19**
709-MPS120-5	MPS-120-5	E	5V	22A	110W	177	107	35.5	**73.08**	**65.77**	**59.19**
709-MPS120-12	MPS-120-12	E	12V	10A	120W	177	107	35.5	**73.08**	**65.77**	**59.19**
709-MPS120-15	MPS-120-15	E	15V	8A	120W	177	107	35.5	**73.08**	**65.77**	**59.19**
709-MPS120-24	MPS-120-24	E	24V	5A	120W	177	107	35.5	**73.08**	**65.77**	**59.19**
709-MPS120-48	MPS-120-48	E	48V	2.5A	120W	177	107	35.5	**73.08**	**65.77**	**59.19**

MEAN WELL 5W-20W SINGLE OUTPUT MEDICAL SWITCHING POWER SUPPLY

Features:

- Short circuit, overload, overtemperature and overvoltage protection
- Cooling by free air convection
- 100% full load burn-in test
- Compliance to UL60601-1/IEC60601-1/EN60601-1 medical safety approved
- 5W-15W: No load power consumption <0.5W
- 20W: No load power consumption <0.75W

Specifications:

- Universal Input: 85~264VAC
- AC Input Frequency: 47~440Hz

RoHS Compliant

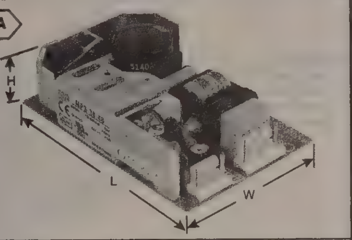
CE CB

For quantities of 50 and up, call for quote.

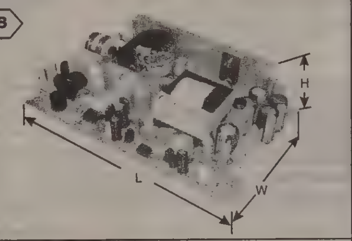
MOUSER STOCK NO.	Mean Well Part No.	Fig.	Output Voltage	Output Current	Power	Dimensions: mm			Price Each		
						L	W	H	1	10	20
709-NFM05-3.3	NFM-05-3.3	F	3.3V	1.25A	4.125W	57.9	45	19.1	**21.96**	**19.76**	**17.79**
709-NFM05-5	NFM-05-5	F	5V	1A	5W	57.9	45	19.1	**21.96**	**19.76**	**17.79**
709-NFM05-12	NFM-05-12	F	12V	0.42A	5.04W	57.9	45	19.1	**21.96**	**19.76**	**17.79**
709-NFM05-15	NFM-05-15	F	15V	0.33A	4.95W	57.9	45	19.1	**21.96**	**19.76**	**17.79**
709-NFM05-24	NFM-05-24	F	24V	0.23A	5.52W	57.9	45	19.1	**21.96**	**19.76**	**17.79**
709-NFM10-3.3	NFM-10-3.3	F	3.3V	2.5A	8.25W	65	45	22	**24.12**	**21.71**	**19.54**
709-NFM10-5	NFM-10-5	F	5V	2A	10W	65	45	22	**24.12**	**21.71**	**19.54**
709-NFM10-12	NFM-10-12	F	12V	0.85A	10.2W	65	45	22	**24.12**	**21.71**	**19.54**
709-NFM10-15	NFM-10-15	F	15V	0.67A	10.05W	65	45	22	**24.12**	**21.71**	**19.54**
709-NFM10-24	NFM-10-24	F	24V	0.42A	10.08W	65	45	22	**24.12**	**21.71**	**19.54**
709-NFM15-3.3	NFM-15-3.3	F	3.3V	3.5A	11.55W	69.85	48	22	**28.44**	**25.60**	**23.04**
709-NFM15-5	NFM-15-5	F	5V	3A	15W	69.85	48	22	**28.44**	**25.60**	**23.04**
709-NFM15-12	NFM-15-12	F	12V	1.25A	15W	69.85	48	22	**28.44**	**25.60**	**23.04**
709-NFM15-15	NFM-15-15	F	15V	1A	15W	69.85	48	22	**28.44**	**25.60**	**23.04**
709-NFM15-24	NFM-15-24	F	24V	0.63A	15.12W	69.85	48	22	**28.44**	**25.60**	**23.04**
709-NFM20-3.3	NFM-20-3.3	G	3.3V	4.5A	14.85W	88.9	50.8	19.3	**32.76**	**29.48**	**26.54**
709-NFM20-5	NFM-20-5	G	5V	4.4A	22W	88.9	50.8	19.3	**32.76**	**29.48**	**26.54**
709-NFM20-12	NFM-20-12	G	12V	1.8A	21.6W	88.9	50.8	19.3	**32.76**	**29.48**	**26.54**
709-NFM20-15	NFM-20-15	G	15V	1.4A	21W	88.9	50.8	19.3	**32.76**	**29.48**	**26.54**
709-NFM20-24	NFM-20-24	G	24V	0.92A	22.08W	88.9	50.8	19.3	**32.76**	**29.48**	**26.54**

DIMENSIONS: mm

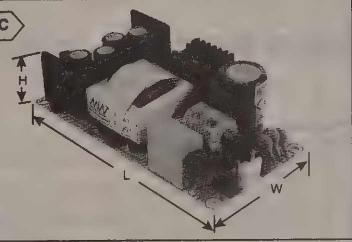
A



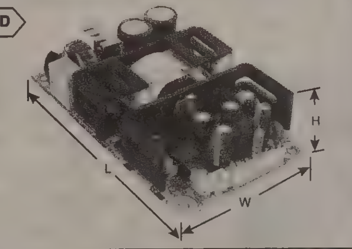
B



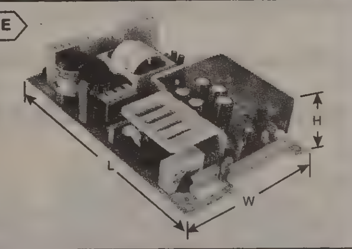
C



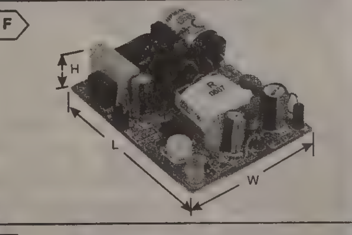
D



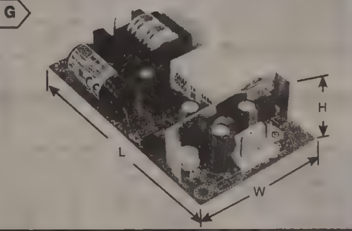
E



F



G

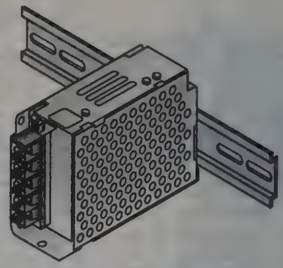


OMRON Switching Power Supplies

OMRON INDUSTRIAL AUTOMATION

OMRON S82PS SERIES: COMPACT DIN-RAIL MOUNT INDUSTRIAL POWER SUPPLY

Features:
- Rated input voltage: 100-240 VAC (Universal)
- Power factor correction (PFC) on all models
- DIN-rail mounting brackets provided
- Ten year life expectancy

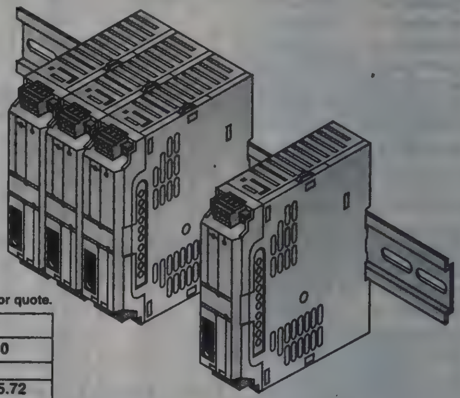


For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Rating	Output Voltage	Output Current	Price Each	
					1	10
Covered Type						
653-S8PS-05005CD	S8PS-05005CD	50 W	5 VDC	10 A	126.75	122.53
653-S8PS-05024CD	S8PS-05024CD	50 W	24 VDC	2.1 A	126.75	122.53
653-S8PS-10024CD	S8PS-10024CD	100 W	24 VDC	4.5 A	199.88	193.21

OMRON S8TS SERIES: BLOCK TYPE DIN MOUNT POWER SUPPLY

Features:
- Rated input voltage: 100-240 VAC (Universal)
- AC/DC bus system which allows up to 4 blocks to be connected to increase power from 60 to 240 W.
- N+1 redundant capability for a highly reliable system. (12V and 24V models)
- Size consistency minimizes stock types
- Flexible connection for multi-output power supply (5V, 12V, 24V outputs)
- Overcurrent and overvoltage protection

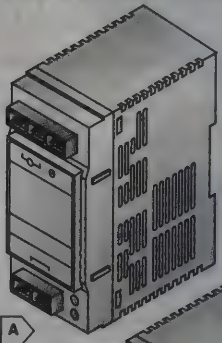


For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Power Rating	Output Voltage	Output Current	Price Each	
					1	10
With bus line connectors						
653-S8TS-06024F-E1	S8TS-06024F-E1	60 W	24 VDC	2.5 A	140.40	135.72
653-S8TS-03012F-E1	S8TS-03012F-E1	30 W	12 VDC	2.5 A	147.42	142.51
Without bus line connectors						
653-S8TS-02505F	S8TS-02505F	25 W	5 VDC	5 A	140.25	135.58
Bus line connectors		Description			1	25
653-S8T-BUS01	S8T-BUS01	AC line + DC line bus (For parallel operation)			7.83	7.57
653-S8T-BUS02	S8T-BUS02	AC line bus (For series or isolated operation)			7.83	7.57

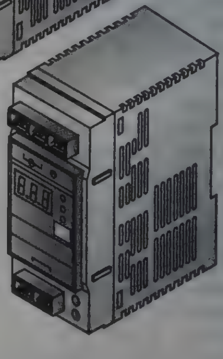
OMRON S8VS SERIES: SLIM DIN RAIL MOUNT POWER SUPPLY

Features:
- Rated input voltage: 100-240 VAC (Universal)
- Ultra-compact. 60W model 40W x 95H; 90W model 50W x 115H
- 3-digit, LED display shows status at a glance (except basic models)
- Run-time monitor model displays how long the output has been on.
- Life time monitor model displays remaining life of power supply in years.
- SEMI F47 Certified



A

(without display)



B

(with LED display)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Power Rating	Output Voltage	Output Current	Price Each	
						1	10
Basic Unit							
653-S8VS-06024	S8VS-06024	A	60 W	24 VDC	2.5 A	121.88	117.81
653-S8VS-09024	S8VS-09024	A	90 W	24 VDC	3.75 A	160.88	155.51
With lifetime monitor							
653-S8VS-06024A	S8VS-06024A	B	60 W	24 VDC	2.5 A	128.70	124.41
653-S8VS-09024A	S8VS-09024A	B	90 W	24 VDC	3.75 A	167.70	162.11
With run-time monitor							
653-S8VS-06024B	S8VS-06024B	B	60 W	24 VDC	2.5 A	128.70	124.41
653-S8VS-09024B	S8VS-09024B	B	90 W	24 VDC	3.75 A	167.70	162.11

OMRON ACCESSORIES FOR DIN RAIL MOUNT POWER SUPPLIES

MOUSER STOCK NO.	Omron Part No.	Description	Price Each	
			1	25
653-PFP-100N	PFP-100N	DIN rail, 1M length x 7.3mm wide	7.25	6.82
653-PFP-M	PFP-M	End plate	.52	.49

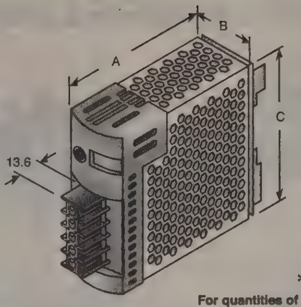
OMRON Power Supplies

OMRON.
INDUSTRIAL AUTOMATION

OMRON S8VM SERIES: COVERED SWITCHING POWER SUPPLY

Features:
- Unique undervoltage alarm function assists in determining causes of application errors.
- Broad range of power (15-150w) with many different output voltages (5v, 12v, 15v, 24v)
- New crew terminal design prevents screws from falling out.
- Easily identifiable parts using color coded labels for output voltages: Green - 5V, Blue - 12V, Yellow 15V, White 24V
- Finger protection terminals prevent electric shock.
- DIN Rail or Front Mount
- Input Voltage: 100-240 VAC

RoHS Compliant



*+3.5 max. (screw heads)

For quantities of 10 and up, call for quote.

Standard: Front Mount | **Standard: DIN Rail Mount**

MOUSER STOCK NO.	Omron Part No.	Dimensions: mm			MOUSER STOCK NO.	Omron Part No.	Dimensions: mm			Power Rating	Output Voltage	Output Current	Price Each		
		A	B	C			A	B*	C				1	2	5
653-S8VM-01505C	S8VM-01505C	84.5	33.5	84.5	653-S8VM-01505CD	S8VM-01505CD	84.5	35.1	84.5	15 W	5 V	3 A	59.00	55.22	51.68
653-S8VM-01512C	S8VM-01512C	84.5	33.5	84.5	653-S8VM-01512CD	S8VM-01512CD	84.5	35.1	84.5	15 W	12 V	1.3 A	59.00	55.22	51.68
653-S8VM-01524C	S8VM-01524C	84.5	33.5	84.5	653-S8VM-01524CD	S8VM-01524CD	84.5	35.1	84.5	15 W	24 V	0.65 A	59.00	55.22	51.68
653-S8VM-03005C	S8VM-03005C	99.5	33.5	84.5	653-S8VM-03005CD	S8VM-03005CD	99.5	35.1	84.5	30 W	5 V	6 A	65.00	60.84	56.94
653-S8VM-03012C	S8VM-03012C	99.5	33.5	84.5	653-S8VM-03012CD	S8VM-03012CD	99.5	35.1	84.5	30 W	12 V	2.5 A	65.00	60.84	56.94
653-S8VM-03024C	S8VM-03024C	99.5	33.5	84.5	653-S8VM-03024CD	S8VM-03024CD	99.5	35.1	84.5	30 W	24 V	1.3 A	65.00	60.84	56.94
653-S8VM-05005C	S8VM-05005C	124.5	33.5	84.5	653-S8VM-05005CD	S8VM-05005CD	124.5	35.1	84.5	50 W	5 V	10 A	81.00	75.82	70.96
653-S8VM-05012C	S8VM-05012C	124.5	33.5	84.5	653-S8VM-05012CD	S8VM-05012CD	124.5	35.1	84.5	50 W	12 V	4.3 A	81.00	75.82	70.96
653-S8VM-05024C	S8VM-05024C	124.5	33.5	84.5	653-S8VM-05024CD	S8VM-05024CD	124.5	35.1	84.5	50 W	24 V	2.2 A	81.00	75.82	70.96
653-S8VM-10005C	S8VM-10005C	164.5	35.0	84.5	653-S8VM-10005CD	S8VM-10005CD	164.5	36.6	84.5	100 W	5 V	20 A	110.00	102.96	96.36
653-S8VM-10012C	S8VM-10012C	164.5	35.0	84.5	653-S8VM-10012CD	S8VM-10012CD	164.5	36.6	84.5	100 W	12 V	8.5 A	110.00	102.96	96.36
653-S8VM-10024C	S8VM-10024C	164.5	35.0	84.5	653-S8VM-10024CD	S8VM-10024CD	164.5	36.6	84.5	100 W	24 V	4.5 A	110.00	102.96	96.36
†653-S8VM-15005C	S8VM-15005C	164.5	44.0	84.5	†653-S8VM-15005CD	S8VM-15005CD	164.5	45.6	84.5	150 W	5 V	27 A	139.00	130.10	121.76
653-S8VM-15012C	S8VM-15012C	164.5	44.0	84.5	653-S8VM-15012CD	S8VM-15012CD	164.5	45.6	84.5	150 W	12 V	12.5 A	139.00	130.10	121.76
653-S8VM-15024C	S8VM-15024C	164.5	44.0	84.5	653-S8VM-15024CD	S8VM-15024CD	164.5	45.6	84.5	150 W	24 V	6.5 A	139.00	130.10	121.76

† Output Capacity: 135W

*+3.5 max. (screw heads)

For quantities of 10 and up, call for quote.

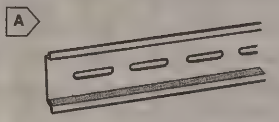
Undervoltage Alarm: Front Mount | **Undervoltage Alarm: DIN Rail Mount**

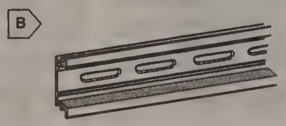
MOUSER STOCK NO.	Omron Part No.	Dimensions: mm			MOUSER STOCK NO.	Omron Part No.	Dimensions: mm			Power Rating	Output Voltage	Output Current	Price Each		
		A	B	C			A	B*	C				1	2	5
653-S8VM-01524A	S8VM-01524A	84.5	33.5	84.5	653-S8VM-01524AD	S8VM-01524AD	84.5	35.1	84.5	15 W	24 V	0.65 A	59.00	55.22	51.68
653-S8VM-03024A	S8VM-03024A	99.5	33.5	84.5	653-S8VM-03024AD	S8VM-03024AD	99.5	35.1	84.5	30 W	24 V	1.3 A	65.00	60.84	56.94
653-S8VM-05024A	S8VM-05024A	124.5	33.5	84.5	653-S8VM-05024AD	S8VM-05024AD	124.5	35.1	84.5	50 W	24 V	2.2 A	81.00	75.82	70.96
653-S8VM-10024A	S8VM-10024A	164.5	35.0	84.5	653-S8VM-10024AD	S8VM-10024AD	164.5	36.6	84.5	100 W	24 V	4.5 A	110.00	102.96	96.36
653-S8VM-15024A	S8VM-15024A	164.5	44.0	84.5	653-S8VM-15024AD	S8VM-15024AD	164.5	45.6	84.5	150 W	24 V	6.5 A	139.00	130.10	121.76

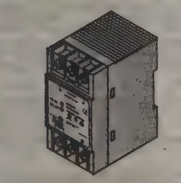
OMRON DIN RAILS FOR S8VM SERIES

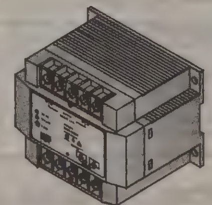
For quantities of 50 and up, call for quote.

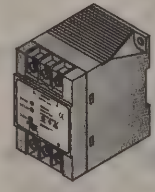
MOUSER STOCK NO.	Omron Part No.	Fig.	Description	Price Each		
				1	10	25
653-PFP-100N	PFP-100N	A	Mounting rail, aluminum, 1m	7.25	6.82	6.39
653-PFP-50N	PFP-50N	A	Mounting rail, aluminum, 50cm	5.86	5.52	5.17
653-PFP-100N2	PFP-100N2	B	Mounting rail, aluminum, 1m	15.52	15.05	14.78

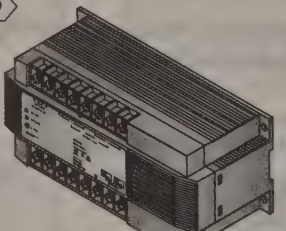
A


B


A


B


C


D


OMRON S82K SERIES: DIN MOUNT SWITCHING POWER SUPPLY

Features:
- Rated input voltage: 100-240 VAC for all except S82K-10024, which is 120/240 VAC selectable
- Mounting brackets included for use when not mounting directly on DIN rail
- Undervoltage indicators on all models
- Finger-safe terminal block cover
- Class 2 approved on all models
- UL 508 listed on all models

For quantities of 25 and up, call for quote.

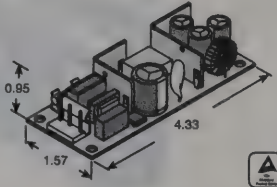
MOUSER STOCK NO.	Omron Part No.	Fig.	Power Rating	Output Voltage	Output Current	Price Each	
						1	10
653-S82K-00305	S82K-00305	A	3 W	5 VDC	0.6 A	51.50	48.20
653-S82K-00312	S82K-00312	A	3 W	12 VDC	0.25 A	51.50	48.20
653-S82K-00324	S82K-00324	A	3 W	24 VDC	0.13 A	51.50	48.20
653-S82K-00705	S82K-00705	A	7.5 W	5 VDC	1.5 A	56.75	53.12
653-S82K-00712	S82K-00712	A	7.5 W	12 VDC	0.6 A	49.37	47.73
653-S82K-00724	S82K-00724	A	7.5 W	24 VDC	0.3 A	56.75	53.12
653-S82K-01505	S82K-01505	B	15 W	5 VDC	2.5 A	85.25	79.79
653-S82K-01512	S82K-01512	B	15 W	12 VDC	1.2 A	85.25	79.79
653-S82K-01524	S82K-01524	B	15 W	24 VDC	0.6 A	85.25	79.79
653-S82K-03024	S82K-03024	C	30 W	24 VDC	1.3 A	115.00	107.64
653-S82K-05024	S82K-05024	C	50 W	24 VDC	2.1 A	132.00	123.55
653-S82K-10024	S82K-10024	D	100 W	24 VDC	4.2 A	184.00	172.22
DIN Rail	Description					1	25
653-PFP-100N	PFP-100N	1 m length x 7.3 mm wide				7.25	6.82

PHIHONG Power Supplies

PHIHONG PSA15LN 15 WATT SINGLE OUTPUT SERIES

DIMENSIONS: in.

Specifications:
- AC input voltage: 90-264VAC
- AC Input Frequency: 47-63Hz



Features:
- Low 1" profile
- CISPR 22B; FCC B EMI
- Voltage Adjustment: ±5%

RoHS Compliant

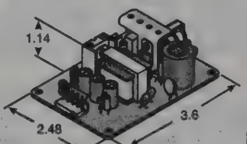
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Load		Ripple P-P	Regulation		Price Each		
Mfr.	Mfr. Part No.		Min.	Max.		Line	Load	1	5	25
552	PSA-15LN3-050-R	5V	0A	3.0A	50mV	±1%	±2%	19.75	17.95	16.95
552	PSA-15LN3-120-R	12V	0A	1.25A	120mV	±1%	±2%	19.75	17.95	16.95
552	PSA-15LN3-240-R	24V	0A	0.63A	240mV	±1%	±2%	19.75	17.95	16.95

PHIHONG PSA25L 25 WATT COMPACT OEM SERIES

DIMENSIONS: in.

Specifications:
- AC input voltage: 90-264VAC
- AC Input Frequency: 47-63Hz
- Operates with 3 wire AC



Features:
- Low 1.14" profile
- Integral AC connector
- CISPR 22B; FCC B EMI

RoHS Compliant

* Height: 1.32"

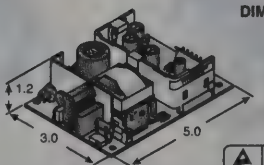
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Load		Ripple P-P	Regulation		Price Each		
Mfr.	Mfr. Part No.		Min.	Max.		Line	Load	1	5	25
Single Output										
552	PSA-25L-120-R	12V	0A	2.0A	120mV	±0.5%	±2%	21.95	19.95	18.50
552	PSA-25L-150-R	15V	0A	1.7A	150mV	±0.5%	±2%	20.90	18.95	17.60
Multiple Output										
552	PSA-25L-201-R	5V	0.2A	2.6A	50mV	±1%	±2%	23.93	21.75	19.95
		12V	0A	1.0A	120mV	±1%	±2%			
*552	PSA-25L-301-R	5V	0.2A	2.0A	50mV	±1%	±2%	19.95	18.90	18.15
		12V	0.1A	1.0A	120mV	±1%	±2%			
		-12V	0A	0.3A	120mV	±1%	±2%			

PHIHONG PSA45 45 WATT UNIVERSAL CLASS B EMI SERIES

DIMENSIONS: in.

Specifications:
- AC input voltage: 90-264VAC



Features:
- Industrial
- ISO 9001 quality system
- Zero Mimimum loads
- Surface mount controller

RoHS Compliant

† Unrestricted natural convection cooling

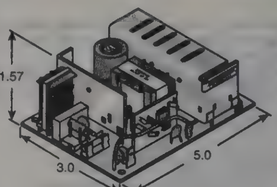
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Load		Ripple P-P	Regulation	Price Each		
Mfr.	Mfr. Part No.		Min.	Max.†			1	5	25
552	PSA-45-050-R	5V	0A	8A	50mV	±2%	30.25	27.50	25.50
552	PSA-45-120-R	12V	0A	4A	120mV	±2%	30.25	27.50	25.50
552	PSA-45-240-R	24V	0A	2A	240mV	±2%	30.25	27.50	25.50
552	PSA-4531-R	5V	0A	4A	50mV	±2%	34.20	30.50	28.75
		12V	0A	1.5A	120mV	±5%			
		-12V	0A	0.5A	120mV	±5%			
552	PSA-4534-R	5V	0A	4A	50mV	±2%	32.95	29.95	27.75
		15V	0A	1.2A	150mV	±5%			
		-15V	0A	0.5A	150mV	±5%			
552	PSA-4541-R	5V	0A	3A	50mV	±2%	33.95	30.90	28.10
		12V	0A	2A	120mV	±5%			
		-12V	0A	0.5A	120mV	±5%			
		-5V	0A	0.5A	50mV	±5%			

PHIHONG PSA60 60 WATT SWITCHING SERIES

DIMENSIONS: in.

Specifications:
- AC input voltage: 90-264VAC



Features:
- Short circuit, over voltage protection
- Built-in EMI filter

RoHS Compliant

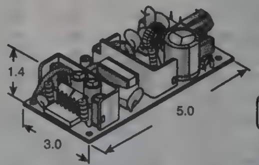
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Load		Ripple P-P	Regulation	Price Each		
Mfr.	Mfr. Part No.		Min.	Max.			1	5	25
552	PSA-60-112-R	12V	0A	5A	120mV	±2%	34.93	31.75	29.95
552	PSA-60-124-R	24V	0A	2.5A	240mV	±2%	34.93	31.75	29.95
552	PSA-60-203-R	5.1V	1A	4A	50mV	±2%	38.68	36.25	33.50
		12V	0.3A	3.5A	120mV	±5%			

PHIHONG PSA075 75 WATT LOW COST SERIES

DIMENSIONS: in.

Specifications:
- AC input voltage: 90-264VAC
- AC input frequency: 47-63Hz



Features:
- Class B conducted EMI
- Over voltage and short circuit protection

RoHS Compliant

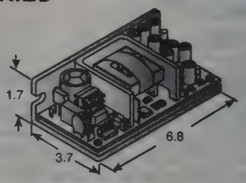
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Load		Ripple P-P	Regulation		Price Each		
Mfr.	Mfr. Part No.		Min.	Max.		Line	Load	1	5	25
552	PSA-075-050-R	5V	0A	11A	100mV	±1%	±3%	32.75	30.09	28.32
552	PSA-075-120-R	12V	0A	6.25A	120mV	±1%	±2%	32.75	30.09	28.32
552	PSA-075-240-R	24V	0A	3.125A	240mV	±1%	±2%	32.75	30.09	28.25

PHIHONG PSA110 110 WATT L-BRACKET STYLE UNIVERSAL SERIES

DIMENSIONS: in.

Specifications:
- AC input voltage: 90-264VAC
- AC Input Frequency: 47-63Hz



Features:
- Integral EMI filter
- 100% burn-in
- Over voltage protection

RoHS Compliant

† Unrestricted natural convection cooling

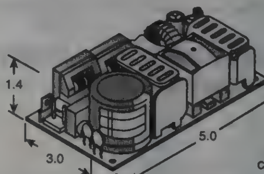
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Load		Ripple P-P	Regulation		Price Each		
Mfr.	Mfr. Part No.		Min.	Max.†		Line	Load	1	5	25
552	PSA-110-112-R	12V	0A	7A	120mV	±2%	±2%	77.00	70.00	65.00
552	PSA-110-115-R	15V	0A	5A	150mV	±2%	±2%	79.50	73.50	68.00
552	PSA-110-124-R	24V	0A	3.3A	240mV	±2%	±2%	77.00	70.00	65.00

PHIHONG PSA120 120 WATT SINGLE OUTPUT SERIES

DIMENSIONS: in.

Specifications:
- AC input voltage: 90-264VAC
- AC Input Frequency: 47-63Hz



Features:
- Low profile fits 1U height requirement
- Class B conducted EMI
- Over voltage and short circuit protection

NEW FROM SUPPLIER

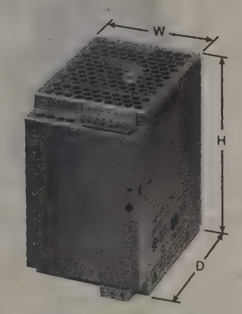
RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Load		Ripple P-P	Regulation		Price Each		
Mfr.	Mfr. Part No.		Min.	Max.		Line	Load	1	5	25
552	PSA120-050-R	5V	0A	15A	100mV	±1%	±2%	60.80	57.90	56.10
552	PSA120-120-R	12V	0A	10A	120mV	±1%	±2%	60.80	57.90	56.10
552	PSA120-240-R	24V	0A	5A	240mV	±1%	±2%	60.80	57.90	56.10

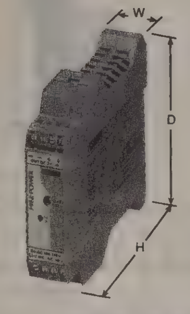
PHOENIX CONTACT DIN Rail Power Supplies & Accessories

A Quint Power



c UL us LISTED CE

B Mini Power

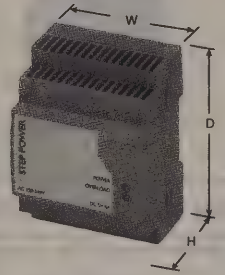


c UL us LISTED CE

C Trio Power

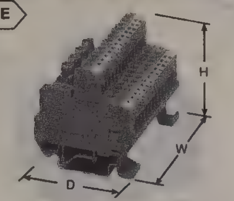
c UL us LISTED CE

D Step Power

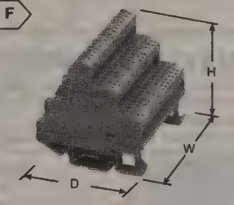


c UL us LISTED CE

E



F



QUINT POWER SUPPLIES (2nd Generation)

Features:
- Primary Switched Mode
- Industrial Grade
- DIN-rail mounted
- Universal voltage input (Auto-ranging)
- Electronic overload protection
- Compact space-saving design
- 24VDC Output (22.5 to 28.5V DC adjustable)
- Connect in parallel for redundancy and capacity
- POWER BOOST output up to 50%
- High MTBF rating over 500,000 hours
- DC OK LED
- DC OK Signal Output
- DC OK Dry Contact
- Rapid Pluggable Terminals
- Metal AluNox Housing
- UL 508 Rated, Listing #60950

MINI POWER SUPPLIES

Features:
- Primary Switched Mode
- Industrial Grade
- DIN-rail mounted
- Universal voltage input (Auto-ranging)
- Narrow mounting width
- Electronic overload protection
- Compact space-saving design
- Dual Output
- POWER BOOST output up to 100%
- High MTBF rating over 500,000 hours
- Green Polyamide PA Housing
- Rapid Pluggable Terminals
- UL 508 Rated, Listing #60950
- Connect in parallel for redundancy and capacity

TRIO POWER SUPPLIES

Features:
- Primary Switched Mode
- General Purpose
- DIN-rail mounted
- High MTBF rating over 500,000 hours
- Built in LED diagnostic indication
- Compact space-saving design
- Universal voltage input (Auto-ranging)
- Steel Housing
- UL 508 Rated & CE worldwide use
- U/I Overload Protection
- Built-in Transient surge protection
- Cable Tie wrap holder
- Three DC grounding terminals

STEP POWER SUPPLIES

Features:
- Primary Switched Mode
- General Purpose
- DIN-rail mounted
- Universal voltage input (Auto-ranging)
- 57.8mm Low Profile Design
- Electronic overload protection
- Compact space-saving design
- MTBF rating over 150,000 hours
- Green Plastic Housing
- Profile similar to standard terminal blocks
- UL 508 Rated, Listing #60950
- Connect in parallel for redundancy and capacity

INDUSTRIAL GRADE POWER SUPPLIES

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Phoenix Type	Fig.	Input Voltage Range	Input Frequency	Output Voltage	Output Current	Operational Temperature	Dimensions (mm)			Price Each	
								H	W	D	1	5
Quint Power (Single Phase)												
651-2938811	QUINT-PS-100-240AC/12DC/10	A	85-264 AC/ 90-350 DC	45-65Hz	12	10A	-25° to +70°C	122	85	130	340.00	313.00
651-2938578	QUINT-PS-100-240AC/24DC/2.5	A	85-264 AC/ 90-350 DC	45-65Hz	24	2.5A	-25° to +70°C	125	55	130	160.00	139.00
651-2938581	QUINT-PS-100-240AC/24DC/5	A	85-264 AC/ 90-350 DC	45-65Hz	24	5.0A	-25° to +70°C	125	55	130	240.00	209.00
651-2938604	QUINT-PS-100-240AC/24DC/10	A	85-264 AC/ 90-350 DC	45-65Hz	24	10.0A	-25° to +70°C	125	85	130	345.00	301.00
651-2938620	QUINT-PS-100-240AC/24DC/20	A	85-264 AC/ 90-350 DC	45-65Hz	24	20.0A	-25° to +70°C	125	157	130	570.00	498.00
Quint Power (Three Phase)												
651-2938594	QUINT-PS-3x400-500AC/24DC/5	A	3x320-575 AC/ 450-800 DC	45-65Hz	24	5.0A	-25° to +70°C	125	73	130	255.00	222.00
651-2938617	QUINT-PS-3x400-500AC/24DC/10	A	3x320-575 AC/ 450-800 DC	45-65Hz	24	10.0A	-25° to +70°C	125	85	130	345.00	301.00
651-2938727	QUINT-PS-3x400-500AC/24DC/20	A	3x320-575 AC/ 450-800 DC	45-65Hz	24	20.0A	-25° to +70°C	125	160	130	454.00	425.00
Mini Power												
651-2938714	MINI-PS-100-240AC/5DC/3	B	85-264AC / 90-350DC	45-65Hz	5	3A	-25° to +70°C	99	22.5	114.5	107.00	93.00
651-2938756	MINI-PS-100-240 AC/10-15 DC/2	B	85-264AC / 90-350DC	45-65Hz	10-15	2A	-25° to +70°C	99	45	114.5	136.00	119.00
651-2938743	MINI-PS-100-240AC/2x15DC/1	B	85-264AC / 90-350DC	45-65Hz	15	1A	-25° to +70°C	99	45	114.5	124.00	108.00
651-2866446	MINI-PS-100-240AC/24DC/1.3	B	85-264AC / 90-350DC	45-65Hz	24	1.3A	-25° to +70°C	99	22.5	107	93.24	83.54
651-2938730	MINI-PS-100-240AC/24DC/2	B	85-264AC / 90-350DC	45-65Hz	24	2A	-25° to +70°C	99	45	114.5	125.00	109.00
651-2938837	MINI-PS-100-240AC/24DC/4	B	85-264AC / 90-350DC	45-65Hz	24	4A	-25° to +70°C	99	67.5	115.4	190.00	165.00
651-2866336	MINI-PS-100-240AC/24DC/C2LPS	B	85-264AC / 90-350DC	45-65Hz	24	3.8A	-25° to +70°C	99	67.5	114.5	159.00	144.00
*651-2866983	MINI-SYS-PS-100-240AC/24DC/1.5	B	85-264AC / 90-350DC	45-65Hz	24	1.5A	-25° to +70°C	99	35	103	131.21	114.34

* This module is to be used with MINI MCR Modules.

GENERAL PURPOSE POWER SUPPLIES

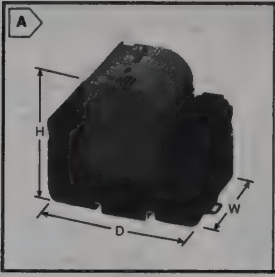
For quantities of 10 and up, call for quote.

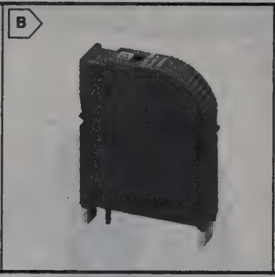
Trio Power (Single Phase)												
651-2866268	TRIO-PS/1AC/24DC/2.5	C	85-264AC / 110-350DC	45-65Hz	24	2.5A	0° to + 55° C	130	32	115	108.27	99.61
651-2866310	TRIO-PS/1AC/24DC/5	C	85-264AC / 110-350DC	45-65Hz	24	5A	0° to + 55° C	130	40	115	162.40	149.45
651-2866323	TRIO-PS/1AC/24DC/10	C	85-264AC / 110-350DC	45-65Hz	24	10A	0° to + 55° C	130	60	153	232.96	214.33
651-2866381	TRIO-PS/1AC/24DC/20	C	85-264AC / 110-350DC	45-65Hz	24	20A	0° to + 55° C	130	115	153	388.64	357.52
Trio Power (Three Phase)												
651-2866459	TRIO-PS/3AC/24DC/10	C	3x320-575 AC	45-65Hz	24	10A	0° to + 55° C	130	60	153	245.53	226.65
651-2866394	TRIO-PS/3AC/24DC/20	C	3x320-575 AC	45-65Hz	24	20A	0° to + 55° C	130	115	153	345.10	318.46
651-2866404	TRIO-PS/3AC/24DC/40	C	3x320-575 AC	45-65Hz	24	40A	0° to + 55° C	130	139	190	546.16	504.15
Step Power												
651-2938918	STEP-PS-100-240AC/5DC/4	D	85-264AC / 110-350DC	45-65Hz	5	4A	0° to + 55° C	90	71	57.8	104.00	91.00
651-2938921	STEP-PS-100-240AC/12DC/3	D	85-264AC / 110-350DC	45-65Hz	12	3A	0° to + 55° C	90	71	57.8	94.00	82.00
651-2938934	STEP-PS-100-240AC/15DC/2.4	D	85-264AC / 110-350DC	45-65Hz	15	2.4A	0° to + 55° C	90	71	57.8	104.00	91.00
651-2938947	STEP-PS-100-240AC/24DC/1.5	D	85-264AC / 110-350DC	45-65Hz	24	1.5A	0° to + 55° C	90	71	57.8	76.00	66.00
651-2938950	STEP-PS-100-240AC/48DC/0.75	D	85-264AC / 110-350DC	45-65Hz	48	0.75A	0° to + 55° C	90	71	57.8	114.00	99.00

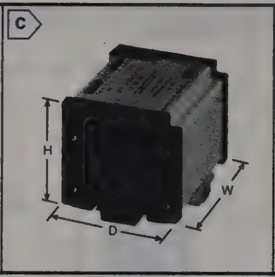
DIN RAIL DISTRIBUTION TERMINAL BLOCKS

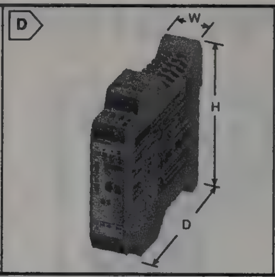
For quantities of 50 and up, call for quote.

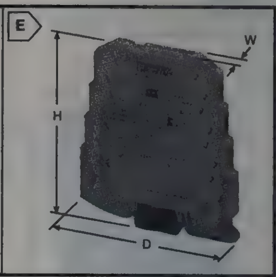
MOUSER STOCK NO.	Phoenix Type	Fig.	Input Voltage Range	Input Frequency	Output Voltage	Output Current	Operational Temperature	Dimensions (mm)			Price Each	
								H	W	D	1	10
651-2295651	FLK-PVB 2/24	E	2 input/ 12 distributor	250 V	30A Max	16A Max	24-10 / 24-12	51.7	71	51.6	43.93	41.63
651-2295664	FLK-PVB 2/36	E	2 input/ 18 distributor	250 V	30A Max	16A Max	24-10 / 24-12	51.7	96	51.6	49.98	47.48
651-2295677	FLK-PVB 2/48	F	2 input/ 24 distributor	250 V	30A Max	16A Max	24-10 / 24-12	61.5	86	71	65.78	62.49











VALVETRAB COMPACT SLIM SURGE ARRESTERS FOR AC POWER

VALVETRAB Compact is a pluggable surge protection device powerful enough to handle lightning induced currents yet compact and flexible enough to fit easily into the smallest of cabinet spaces. The series includes devices for 1,2, and 3 phase applications for all popular power systems.

Features:
- Din Rail Mount
- Pluggable and Testable
- Optical Status Display
- Integrated Remote Indicator Contact
- Protective Plug & Base

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Phoenix Type	Fig.	Protection Modes	Max. Operating Voltage	Power Systems	Dimensions (mm)			Price Each	
						H	W	D	1	5
5 Conductor Systems - 3-Phase + Neutral + Ground										
651-2859521	VAL-CP-3S-350	A	L-N, N-GND, L-GND	350V AC	230 / 400V and 240 / 415V	72.5	48	98	291.70	279.55
651-2859453	VAL-CP-3S-175	A	L-N, N-GND, L-GND	175V AC	120 / 208V	72.5	48	98	275.19	263.73
4 Conductor Systems - 3-Phase + Neutral / Ground										
651-2859547	VAL-CP-3C-350	A	L - PEN	350V AC	230 / 400V, 240 / 415V, and 277 / 480V	72.5	36	98	242.05	231.97
651-2859466	VAL-CP-3C-175	A	L - PEN	175V AC	120 / 208V	72.5	36	98	228.35	218.84
4 Conductor Systems - 2-Phase + Neutral + Ground										
651-2859505	VAL-CP-2S-350	A	L-N, N-GND, L-GND	350V AC	(Special Apps) 230 / 400V and 240 / 415V	72.5	36	98	251.97	241.48
651-2859495	VAL-CP-2S-175	A	L-N, N-GND, L-GND	175V AC	(Split single phase) 120 / 240 V	72.5	36	98	237.71	227.81
3 Conductor Systems - 2-Phase + Neutral / Ground										
651-2859589	VAL-CP-2C-350	A	L - PEN	350V AC	(Special Apps) 230 / 400V and 277 / 480V	72.5	24	98	163.86	157.03
651-2859482	VAL-CP-2C-175	A	L - PEN	175V AC	(Split single phase) 120 / 240 V	72.5	24	98	154.59	148.15
3 Conductor Systems - 1-Phase + Neutral + Ground										
651-2859563	VAL-CP-1S-350	A	L-N, N-GND, L-GND	350V AC	230V	72.5	24	98	160.14	153.46
651-2859479	VAL-CP-1S-175	A	L-N, N-GND, L-GND	175V AC	120V	72.5	24	98	151.07	144.77

Replacement Plugs

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Phoenix Type	Fig.	Protection Modes	Max. Operating Voltage	Description	Price Each			
						1	5	10	25
651-2859602	VAL-CP-350-ST	B	L - N	350VAC	Protective plug surge arrestor	49.06	47.01	44.54	43.96
651-2859699	VAL-CP-N/PE-350-ST	B	N - PE	350VAC	Protective plug surge arrestor	61.02	58.48	55.40	54.68
651-2859628	VAL-CP-175-ST	B	L - N	175VAC	Protective plug surge arrestor	49.06	47.01	44.54	43.96
651-2859709	VAL-CP-N/PE-175-ST	B	N - PE	175VAC	Protective plug surge arrestor	61.02	58.48	55.40	54.68

SURGE PROTECTION DEVICES WITH EMI/RFI FILTER FOR AC POWER SYSTEMS

Features:
- EMI/RFI filtering
- Transient Voltage Surge Suppressor
- Din Rail Mount
- Diagnostic monitoring of protection status
- Metal Housing

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Phoenix Type	Fig.	Max Surge Current	Nominal Current	Description	Dimensions (mm)			Price Each	
						H	W	D	1	5
651-2920667	SFP 1-5/120AC	C	10kA	5A	TSS with filter for 120V AC	79	111.5	86.5	133.65	124.74
651-2920670	SFP 1-10/120AC	C	10kA	10A	TSS with filter for 120V AC	79	111.5	86.5	182.90	170.70
651-2920683	SFP 1-15/120AC	C	10kA	15A	TSS with filter for 120V AC	79	111.5	86.5	232.14	216.67
651-2856702	SFP 1-20/120AC	C	10kA	20A	TVSS with filter for 120V AC	79	111.5	86.5	281.00	258.58

DC-DC CONVERTERS

Features:
- Primary Switched Mode
- Electrical Isolation
- Preventive Function Monitoring
- Built in LED diagnostic indication

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Phoenix Type	Fig.	DC Input Voltage Range	Nominal Input Voltage	Output Voltage	Output Current	Operational Temperature	Dimensions (mm)			Price Each	
								H	W	D	1	5
651-2866271	MINI-PS-48-60DC/24DC/1	D	36 - 75VDC	48V -60VDC	24.00	1A	-25° to +70°C	99.00	22.50	114.50	152.22	131.05
651-2866284	MINI-PS-12-24DC/24DC/1	D	10 - 32VDC	12V - 24VDC	24.00	1A	-25° to +70°C	99.00	22.50	114.50	152.22	131.05

MINI MCR ANALOG MODULES

MINI MCR Analog sets new standards in the 6mm class. Measuring signals, converting or isolating signals are no problem with this new analog range. MINI MCR Analog provides state-of-the-art technology for extreme flexibility and maximum ease of installation and configuration.

Features:
- Transmission Error: < 0.2%
- Supply Voltage: 19.2 - 30VDC
- Universally Configurable versions
- Temperature Range: -20°C to +60°C
- Din Rail Mount
- Din Rail Voltage Bridging
- Test Voltage: 1.5 kVAC

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Phoenix Type	Fig.	Description	Wire Termination	Dimensions (mm)			Price Each	
					H	W	D	1	2
Conversion									
651-2864082	MINI MCR-SL-UI-F	E	Configurable analog frequency transducer	Screw Connection	102.5	6.2	93.1	168.00	163.20
651-2864095	MINI MCR-SL-R-UI	E	Configurable potentiometer transducer	Screw Connection	102.5	6.2	93.1	229.32	222.77
Isolation									
651-2865007	MINI MCR-SL-U-UI-NC	E	Configurable 3 way isolating amplifer	Screw Connection	102.5	6.2	93.1	225.75	219.30
651-2864176	MINI MCR-SL-UI-2I-NC	E	Configurable signal duplicator	Screw Connection	102.5	6.2	93.1	240.24	233.38
Temperature									
651-2864370	MINI MCR-SL-PT100-UI-200-NC	E	Configurable temperature transducer for PT100	Screw Connection	102.5	6.2	93.1	174.72	169.73
651-2864299	MINI MCR-SL-TC-UI-NC	E	Configurable thermocouple transducer, for types J &K	Screw Connection	102.5	6.2	93.1	185.64	180.34

Accessories

For quantities of 10 and up, call for quote.

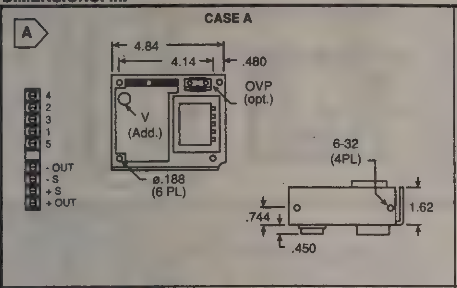
MOUSER STOCK NO.	Phoenix Type	Fig.	Description	Dimensions (mm)			Price Each	
				H	W	D	1	5
651-2864134	MINI MCR-SL-PTB	E	Power terminal block w/ visual voltage display, Input 20-30VDC, output 2A max	102.5	6.2	93.1	49.14	47.74
651-2869728	ME 6.2 TBUS-2 1.5/5-ST-3.81 GN	–	Voltage Bridging for two MINI MCR Analog converters, 5 pos, green	–	–	–	7.46	6.86
651-2709561	ME 17.5 TBUS 1.5/ 5-ST-3.81 GN	–	Voltage bridging for the MINI-SYS power supply(2 are required), 5 pos, green	–	–	–	6.19	5.85
651-2866983	MINI-SYSPS100240AC/24DC/1.5	–	System Power Supply, 85-264V DC in, 24V DC out, 1.5A, -25°C to +70°C	99	35	103	131.21	114.34

SOLA/HEVI-DUTY Linear Power Supplies

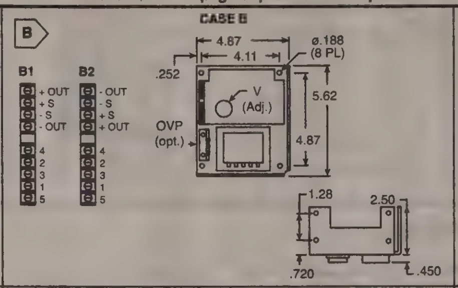
DIMENSIONS: in.

RoHS Compliant **This page of product is compliant.**

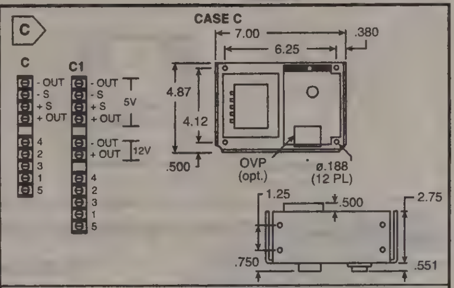
SOLA/ HEVI-DUTY



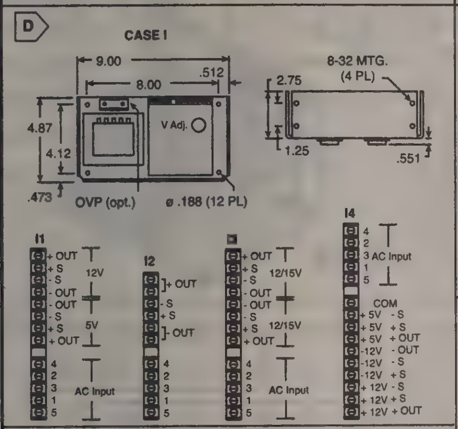
A
CASE A
4.84
4.14
.480
OVP (opt.)
V (Add.)
ø.188 (6 PL)
6-32 (4PL)
.744
1.62
.450
4 2 3 1 5
- OUT
- S
+ S
+ OUT



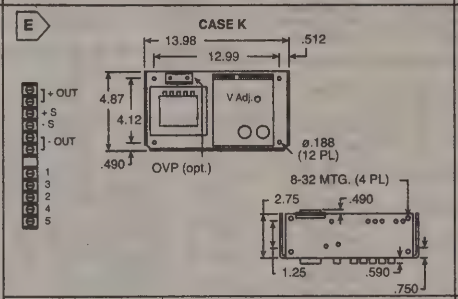
B
CASE B
B1
B2
+ OUT
+ S
- S
- OUT
4 2 3 1 5
4.87
4.11
ø.188 (8 PL)
.252
V (Adj.)
5.62
4.87
OVP (opt.)
1.28
2.50
.720
.450



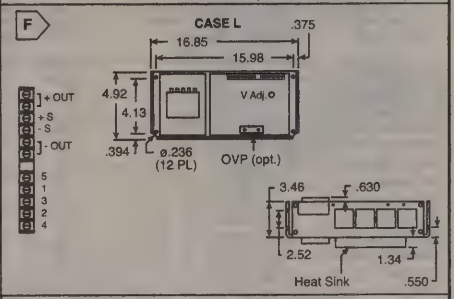
C
CASE C
C
C1
- OUT
- S
+ S
+ OUT
5V
12V
4 2 3 1 5
7.00
6.25
.380
4.87
4.12
.500
OVP (opt.)
ø.188 (12 PL)
1.25
.500
2.75
.750
.551



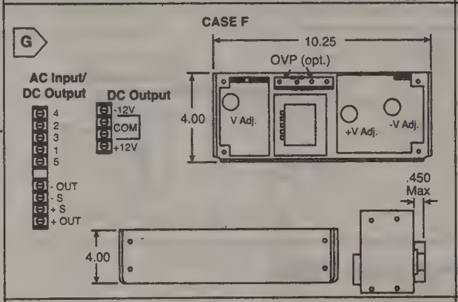
D
CASE I
9.00
8.00
.512
4.87
4.12
.473
V Adj.
OVP (opt.)
ø .188 (12 PL)
8-32 MTG. (4 PL)
2.75
1.25
.551
I1
I2
I3
I4
+ OUT
+ S
- S
- OUT
12V
5V
12/15V
AC Input
COM
+5V
-12V
+12V
4 2 3 1 5



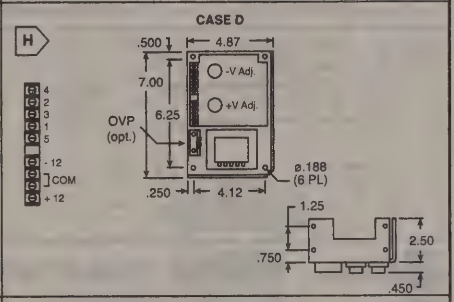
E
CASE K
13.98
12.99
.512
4.87
4.12
.490
V Adj.
ø.188 (12 PL)
OVP (opt.)
8-32 MTG. (4 PL)
2.75
.490
1.25
.590
.750
+ OUT
+ S
- S
- OUT
1 3 2 4 5



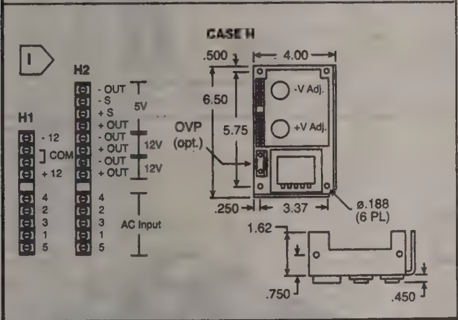
F
CASE L
16.85
15.98
.375
4.92
4.13
.394
ø.236 (12 PL)
V Adj.
OVP (opt.)
3.46
.630
2.52
1.34
Heat Sink
.550
+ OUT
+ S
- S
- OUT
5 1 3 2 4



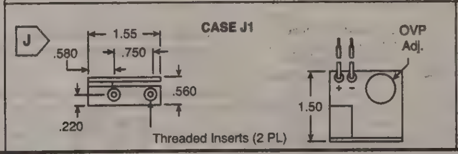
G
CASE F
AC Input/ DC Output
DC Output
-12V
COM
+12V
4 2 3 1 5
- OUT
- S
+ S
+ OUT
10.25
OVP (opt.)
4.00
V Adj.
+V Adj.
-V Adj.
.450 Max
4.00



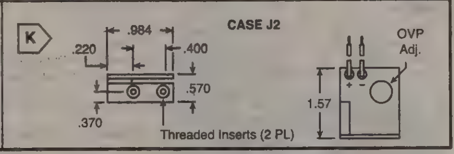
H
CASE D
.500
4.87
7.00
6.25
-V Adj.
+V Adj.
OVP (opt.)
ø.188 (6 PL)
.250
4.12
1.25
2.50
.750
.450
4 2 3 1 5
- 12
COM
+ 12



I
CASE H
H1
H2
- 12
COM
+ 12
- OUT
- S
+ S
+ OUT
5V
12V
12V
AC Input
.500
4.00
6.50
5.75
OVP (opt.)
-V Adj.
+V Adj.
ø.188 (6 PL)
.250
3.37
1.62
.750
.450
4 2 3 1 5



J
CASE J1
1.55
.580
.750
.560
.220
Threaded Inserts (2 PL)
OVP Adj.
1.50

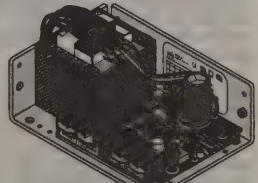


K
CASE J2
.984
.220
.400
.570
.370
Threaded Inserts (2 PL)
OVP Adj.
1.57

SOLA/ HEVI-DUTY

SILVER LINE SERIES - SINGLE & MULTI-OUTPUT LINEARS

The Silver Line series follows the industry accepted foot-print for open frame, linear power supplies. Sola improves on this design by offering standard screw terminal connections and optional covers for safety considerations.



Features:

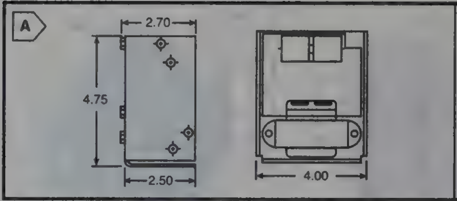
- Two year warranty
- Low noise, extremely quiet DC output
- Universal input and approvals (115/230VAC)
- Low noise, extremely quiet DC output
- For noise sensitive or analog circuitry
- Short circuit protected
- Built-in OVP on 5V models and optional on 12, 15, and 24V models
- Easy-to-install screw terminal connections
- Automatic resetting overload protection
- Industry standard footprint
- Fast transient response, ideal for test applications

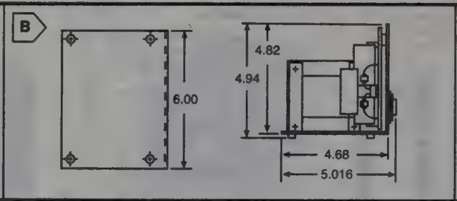
RoHS Compliant

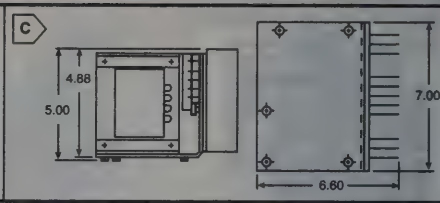
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Fig.	Case Style	Output 1	Output 2	Output 3	Built-In OVP	Price Each 1	5	10
Single Output										
663-SLS-05-030-1T	SLS-05-030-1T	A	A	5V @ 3A	- - -	- - -	Yes	48.41	46.49	44.83
663-SLS-05-060-1T	SLS-05-060-1T	B	B1	5V @ 6A	- - -	- - -	Yes	72.10	69.24	66.77
663-SLS-12-017T	SLS-12-017T	A	A	12V @ 1.7A or 15V @ 1.5A	- - -	- - -	No	48.41	46.49	44.83
663-SLS-12-034T	SLS-12-034T	B	B1	12V @ 3.4A	- - -	- - -	No	69.01	66.28	63.91
663-SLS-24-012T	SLS-24-012T	A	A	24V @ 1.2A	- - -	- - -	No	48.41	46.49	44.83
663-SLS-24-024T	SLS-24-024T	B	B2	24V @ 2.4A	- - -	- - -	No	69.01	66.28	63.91
663-SLS-24-036T	SLS-24-036T	C	C	24V @ 3.6A	- - -	- - -	No	99.91	95.96	92.53
663-SLS-24-048T	SLS-24-048T	D	I2	24V @ 4.8A	- - -	- - -	No	132.87	127.61	123.05
663-SLS-24-072T	SLS-24-072T	E	K	24V @ 7.2A	- - -	- - -	No	146.26	140.46	135.45
663-SLS-24-120T	SLS-24-120T	F	L	24V @ 12.0A	- - -	- - -	No	198.79	190.92	184.10
Dual Output										
663-SLD-12-1010-12T	SLD-12-1010-12T	I	H1	12V @ 1A or 15V @ .8A	-12V @ 1A or -15V @ .8A	- - -	No	57.68	55.40	53.42
663-SLD-12-1818-12T	SLD-12-1818-12T	H	D	12V @ 1.8A or 15V @ 1.5A	-12V @ 1.8A or -15V @ 1.5A	- - -	No	81.37	78.15	75.36
663-SLD12-3015-05T	SLD12-3015-05T	C	C1	5V @ 3A	12V @ 1.5A	- - -	V1	85.49	82.11	79.18
663-SLD12-3434-12T	SLD-12-3434-12T	D	I3	12V @3.4A	-12V @ 3.4A	- - -	No	113.30	108.81	104.92
663-SLD12-6034-05T	SLD12-6034-05T	D	I1	5V @ 6A	12V @ 3.4A	- - -	V1	120.51	115.74	111.60
663-SLD15-3030-15T	SLD15-3030-15T	D	I3	15V @ 3A	-15V @ 3A	- - -	No	113.30	108.81	104.92
Triple Output										
663-SLT12-20404-12T	SLT12-20404-12T	I	H2	5V @ 2A	12V @ .4A or 15V @ .4A	-12V @ .4A or -15V @ .4A	V1	73.13	70.24	67.73
663-SLT12-31010-12T	SLT12-31010-12T	G	F	5V @ 3A	12V @ 1A or 15V @ .8A	-12V @ 1A or -15V @ .8A	V1	96.82	92.99	89.67
663-SLT12-61010-12T	SLT12-61010-12T	D	I4	5V @ 6A	12V @ 1A or 15V @ 1A	-12V @ 1A or -15V @ 1A	V1	120.51	115.74	111.60
Over Voltage Protector (OVP)										
663-SLO-12-000-1	SLO-12-000-1	J	J1	6.2V to 34V Adjustable @ 8A	For Cases B through K			12.83	12.36	12.00
663-SLO-12-000-TB	SLO-12-000-TB	K	J2	6.2V to 34V Adjustable @ 8A	For Case A or Cases B through K (when used with a cover)			12.83	12.21	11.98

SOLA/HEVI-DUTY Power Supplies







DIMENSIONS: in.

LINEAR OEM POWER SUPPLIES

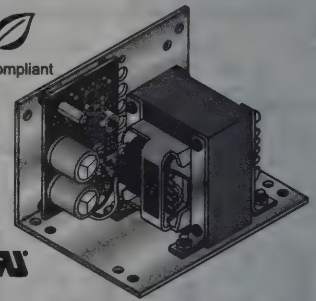
Features:

- Low noise output
- 115/230 VAC input
- Remote sensing
- Current limiting - automatic reset
- Built-in OVP on 5V models
- One year warranty

Applications:

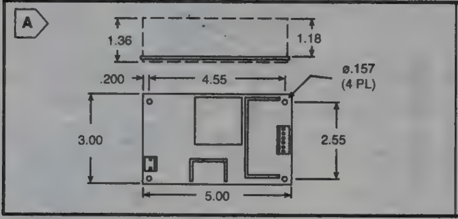
- Microprocessor circuits
- Process controls
- Control circuits
- Noise sensitive circuits
- Instrumentation
- CNC machinery
- Analog circuits
- Isolated floating output
- Designed for both bench and rack use
- Terminal block on case D models (24V/6A)
- Completely protected short circuit proof; automatic foldback

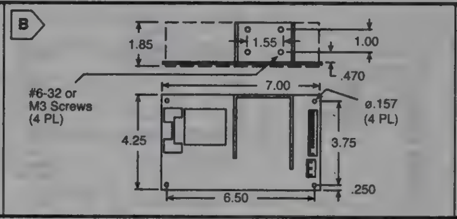
RoHS Compliant

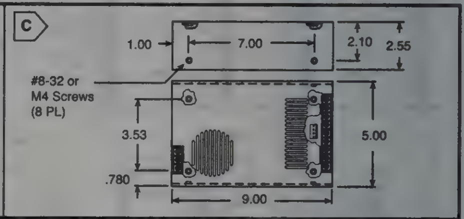


For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Fig.	Case Style	Output	Price Each			
					1	2	5	10
663-83-05-230-3	83-05-230-3	A	B	5V @ 3.0A	73.78	70.85	68.32	65.79
663-83-12-218-3	83-12-218-3	A	B	12V @ 1.8A	86.46	83.03	80.07	77.10
663-83-24-212-3	83-24-212-3	A	B	24V @ 1.2A	80.70	77.50	74.74	71.97
663-83-05-260-3	83-05-260-3	B	C	5V @ 6A	176.37	169.39	163.34	157.29
663-83-12-250-3	83-12-250-3	B	C	12V @ 5A	176.37	169.39	163.34	157.29
663-83-24-225-3	83-24-225-3	B	C	24V @ 2.5A	164.85	158.33	152.67	147.02
663-83-05-312-3	83-05-312-3	C	D	5V @ 12A	261.69	251.33	242.35	233.38
663-83-12-310-3	83-12-310-3	C	D	12V @ 10A	261.69	251.33	242.35	233.38
663-83-24-260-3	83-24-260-3	C	D	24V @ 6A	245.54	235.82	227.39	218.97







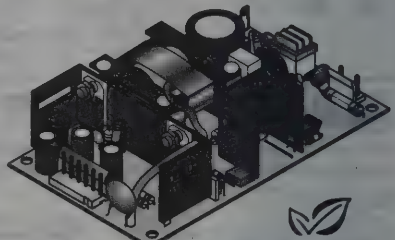
DIMENSIONS: in.

GL SERIES - SINGLE OUTPUT SWITCHERS

Features:

- One year warranty
- Universal input
- Compact size
- Automatic overload protection
- Input voltage: 85-264VAC
- Frequency: 47-630Hz
- Over voltage protection on Output # 1
- 200W models enclosed with screw terminals
- On board input fuse
- 100% burn-in
- Power fail signal on 110 and 200 Watt models
- Multiple output models also available. Contact a Mouser Service Representative.

∗ 110W with 25CFM airflow, 80W with convention cooling.



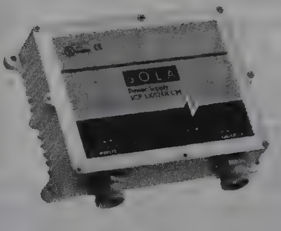
RoHS Compliant

For quantities of 50 and up, call for quote.

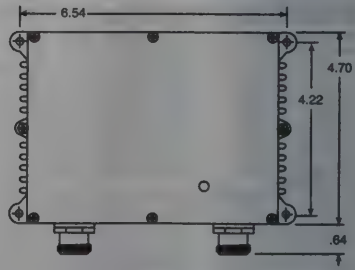
MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Fig.	Power	Output	Line Regulation	Load Regulation	Price Each			
							1	5	10	25
663-GLS-01-040	GLS-01-040	A	40W	5V @ 6A	± 0.5%	±1%	66.52	63.56	61.44	59.32
663-GLS-02-040	GLS-02-040	A	40W	12V @ 3.5A	± 0.5%	±1%	66.52	63.56	61.44	59.32
663-GLS-03-040	GLS-03-040	A	40W	15V @ 3A	± 0.5%	±1%	66.52	63.56	61.44	59.32
663-GLS-04-040	GLS-04-040	A	40W	24V @ 2A	± 0.5%	±1%	66.52	63.56	61.44	59.32
663-GLS-01-110	∗ GLS-01-110	B	110W	5V @ 22A	± 0.5%	±1%	147.81	141.23	136.52	131.81
663-GLS-02-110	∗ GLS-02-110	B	110W	12V @ 9A	± 0.5%	±1%	147.81	141.23	136.52	131.81
663-GLS-03-110	∗ GLS-03-110	B	110W	15V @ 7.5A	± 0.5%	±1%	147.81	141.23	136.52	131.81
663-GLS-04-110	∗ GLS-04-110	B	110W	24V @ 4.5A	± 0.5%	±1%	147.81	141.23	136.52	131.81
663-GLS-01-200	GLS-01-200	C	200W	5V @ 40A	± 0.5%	±1%	240.71	230.00	222.33	214.66
663-GLS-02-200	GLS-02-200	C	200W	12V @ 16.7A	± 0.5%	±1%	240.71	230.00	222.33	214.66
663-GLS-03-200	GLS-03-200	C	200W	15V @ 13.4A	± 0.5%	±1%	240.71	230.00	222.33	214.66
663-GLS-04-200	GLS-04-200	C	200W	24V @ 8.4A	± 0.5%	±1%	240.71	230.00	222.33	214.66

SCP-X SERIES, EXTREME ENVIRONMENT POWER SUPPLY

The SCP-X is a rugged power supply designed for use in extreme environments. The metal case reduces costs by eliminating separate enclosures and the quick change connectors simplify connectivity for distributed I/O devices on industrial machinery. This model provides 24VDC output with limited power to meet Class 2 rquirements.



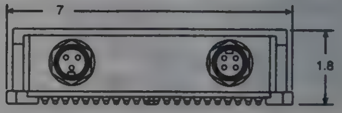
DIMENSIONS: in.



Features:

- IP66/67 Versatile / NEMA 4X Rated
- Listed power supply for stand alone applications
- Can be mounted in any orientation without limitation
- Universal input; 100-240VAC
- High ambient temperature; up to 60°C withut derating
- DC OK Green LED
- Worldwide approvals

c UL us LISTED



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Power	Output Voltage	Output Current	Price Each		
					1	5	10
663-SCP100S24X-CM	SCP100S24X-CM	95W	24V	3.8A	287.37	275.99	270.08

SOLA/HEVI-DUTY DIN Rail Power Supplies

SOLA/ HEVI-DUTY

SDP LOW POWER DIN RAIL SERIES

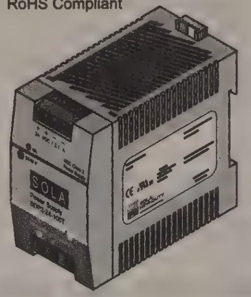
Compact DIN Rail power supplies from 5V to 48V DC in power ratings up to 100 watts. These compact and efficient units are designed specifically for the industrial environment.

UL 508 Listed IND. CONT. EQ. 9HAO, E61379
UL 1950 E137632
CUL/CSA-C22.2 No. 234-M90
EMC and Low Volt. Directive

RoHS Compliant

Features:

- Adjustable outputs
- Overvoltage, short circuit protection
- Special industrial overload design
- Simple snap-on for DIN rail TS35/7.5 or TS 35/15
- Ultra Slim 15W footprint
- Dimensions: All units 2.95" x 1.77" x 3.59", except:
  SDP06-24-100T - 2.95" x 0.9" x 3.8"
  SDP4-24-100T - 2.85" x 2.85" x 3.8"
- Operational temp range: -10°C - 70°C
- Low Output noise
- Screw terminal connections
- DC OK indicator



MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Power	Input Voltage	Input Current Nominal/Inrush	Output Voltage	Output Current	Efficiency	Price Each			
								1	5	10	25
663-SDP06-24-100T	SDP06-24-100T	15W	85-264VAC, 90-375VDC	0.4A/0.25A / Typ. <35A	24V 22.5-28.5V Adj.	0.6A	80%	58.00	57.00	56.00	Call for Quote
663-SDP5-5-100T	SDP5-5-100T	25W	85-264VAC, 90-375VDC	0.6A/0.37A / Typ. <35A	5V 5-6V Adj.	5A	80%	110.00	101.81	98.41	
663-SDP1-24-100T	SDP1-24-100T	30W	85-264VAC, 90-375VDC	0.7A/0.4A / Typ. <35A	24V 22.5-28.5V Adj.	1.3A	83%	99.00	91.62	88.57	
663-SDP2-24-100T	SDP2-24-100T	50W	85-264VAC, 90-375VDC	1.1A/0.7A / Typ. <35A	24V 22.5-28.5V Adj.	2.1A	86%	129.00	119.39	115.41	
663-SDP2-12-100T	SDP2-12-100T	30W	85-264VAC, 90-375VDC	0.66A/0.4A / Typ. <35A	12V 10-12V Adj.	2.5A	80%	123.00	113.84	110.04	
663-SDP4-24-100LT	SDP4-24-100LT	100W	85-264VAC, 210-375VDC	2.2A/1.2A typ. / Typ. <35A	24V 22.5-28.5V Adj.	3.8A	88%	169.00	160.55	153.79	
663-SDP3-15-100T	SDP3-15-100T	50W	85-264VAC, 90-375VDC	1.1A/0.7A / Typ. <35A	15V 12-15V Adj.	3.4A	86%	136.00	125.87	121.67	
663-SDP1-48-100T	SDP1-48-100T	50W	85-264VAC, 90-375VDC	1.1A/0.7A / Typ. <35A	48V 48-56V Adj.	1.05A	>85%	124.00	114.77	110.94	

SDN DIN RAIL SERIES

UL 508 Listed IND. CONT. EQ. 9HAO, E61379
UL 1950 E137632
CUL/CSA-C22.2 No. 234-M90
EMC and Low Volt. Directive

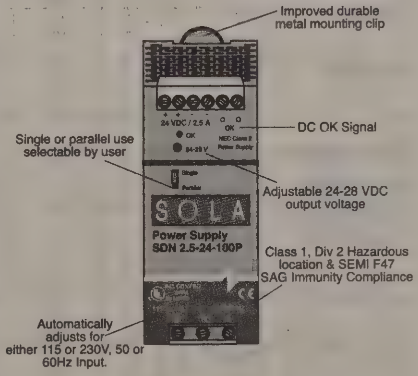
The SDN Din Rail power supplies provide industry leading performance. Sag immunity, transient suppression and noise tolerant, the SDN Series ensures compatibility in demanding applications. Power factor correction to meet European directive, hazardous location approvals and optional redundant accessories allow the SDN Series to be used in a wide variety of applications. Wide operation temperature range, high tolerance to shock and vibration and reliable design make the SDN Series the definition of DC power quality.

Features:

- User-friendly front panel - screw terminals for #10 AWG/4 mm², for quick installation
- Simple snap-on for DIN rail TS35/7.5 or TS 35/15 (Optional screw mounting available)
- Highly efficient - >90% switching technology
- Rugged metal case and DIN connector
- Operational temp range: -10°C - 60°C
- Power factor correction
- Frequency: 47-63Hz
- Dimensions: 4.88" (H) x 4.55" (D)
- Single phase models meet SEMI F47 Sag immunity

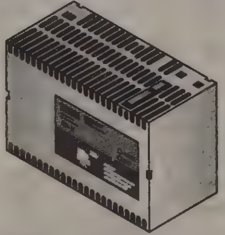
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Input		Output Voltage	Output Current (nom.)	Rail Width (In.)	Price Each	
		Voltage (VAC)	Current (nom.)				1	5
Single Phase								
663-SDN2.5-24-100P	SDN2.5-24-100P	115/230 auto	1.3A / 0.7A	24V	2.5A (60W)	1.97	155.00	141.05
663-SDN4-24-100P	SDN4-24-100P	115/230 auto	2.6A / 1.4A	24V	4A (100W)	2.56	228.00	201.10
663-SDN5-24-100P	SDN5-24-100P	115/230 auto	2.6A / 1.4A	24V	5A (120W)	3.26	239.00	221.19
663-SDN10-24-100P	SDN10-24-100P	115/230 auto	6A / 2.8A typ.	24V	10A(240W)	6.88	348.00	322.08
663-SDN20-24-100P	SDN20-24-100P	115/230 auto	12A / 6A	24V	20A (480W)	8.94	531.00	528.00
Three Phase								
663-SDN5-24-480	SDN5-24-480	3PH 380-480	3.0A / 0.5A	24V	5A	2.91	251.00	232.31
663-SDN20-24-480C	SDN20-24-480C	3PH 380-480	3 x 1.5A	24V	20A	5.9	488.00	451.65
663-SDN30-24-480	SDN30-24-480	3PH 380-480	3 x 2.0A	24V	30A	9.72	646.00	597.87
663-SDN40-24-480	SDN40-24-480	3PH 380-480	3 x 3.0A	24V	40A	11.1	779.00	720.96
Hardware								
663-SDN-PMBRK2	SDN-PMBRK2	Screw set for mounting chassis to DIN Rail (1 per unit)					6.00	5.55


Improved durable metal mounting clip
24 VDC / 2.5 A
OK
24-28 V
DC OK Signal
Single or parallel use selectable by user
Single
Parallel
Adjustable 24-28 VDC output voltage
SOLA
Power Supply
SDN 2.5-24-100P
Class 1, Div 2 Hazardous location & SEMI F47 SAG Immunity Compliance
Automatically adjusts for either 115 or 230V, 50 or 60Hz Input.

SFL SERIES - 75-600W DIN RAIL SERIES

The SFL series provides more input voltage, output voltage, and power levels to give a broader range of industrial DC power solutions. They feature a DIN Rail connection, front panel DC OK indicators, and easily accessible AC and DC connections.



E196762

RoHS Compliant

Features:

- 12V, 24V, and 48V outputs available from 1.5A - 24A
- Selectable input: 115/230 VAC
- Easy-to-wire pluggable and screw terminal connectors (screw terminals only on 600W models)
- Simple snap-on for DIN Rail TS 35/7.5 or TS 35/15

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Power (max.)	Output Voltage	Output Volt. Adjust. Range	Output Current	Switching Frequency	Dimensions: in.	Price Each			
								1	2	5	10
663-SFL6-12-100	SFL6-12-100	75W	12VDC	12 - 14 VDC	6A	100kHz typ.	4.51 x 3.54 x 2.23	211.15	202.79	195.55	Call for Quote
663-SFL1.5-48-100	SFL1.5-48-100	75W	48VDC	48 - 52 VDC	1.5A	67kHz typ.	4.51 x 3.54 x 2.23	215.00	210.70	203.18	
663-SFL3-48-100	SFL3-48-100	150W	48VDC	48 - 52 VDC	3A	67kHz typ.	4.51 x 6.18 x 2.23	285.98	274.65	264.84	
663-SFL6-48-100	SFL6-48-100	300W	48VDC	48 - 52 VDC	6A	67kHz typ.	4.51 x 6.14 x 3.26	373.10	358.33	345.53	
663-SFL24-24-100	SFL24-24-100	600W	24VDC	24 - 28 VDC	24A	67kHz typ.	5.97 x 9.56 x 3.25	619.10	594.58	573.35	
663-SFL12-48-100	SFL12-48-100	600W	48VDC	48 - 52 VDC	12A	67kHz typ.	5.97 x 9.56 x 3.25	623.20	598.53	577.15	

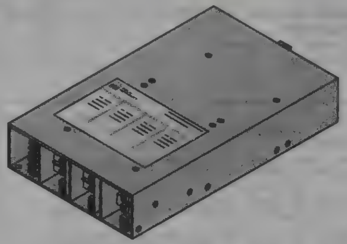
Accessories For Din Rail Power Supplies

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Manufacturer's Type	Description	Price Each			
			1	5	50	100
653-PFP-100N	PFP-100N	DIN rail, 1M length x 7.3mm wide	6.36	5.79	5.13	4.50
653-PFP-M	PFP-M	DIN rail end plate	.69	.63	.56	.50

SOLA/HEVI-DUTY Modular Power Supplies

These medium power, modular power supplies, from 250W to 1000W, are capable of up to 12 independent outputs. Modular design makes these units easy to customize for unusual voltage and power combinations. All units have power factor corrected inputs, an end mounted fan for cooling and a variety of built-in signals and controls. High reliability and a flexible design make these an excellent choice for process control and semiconductor fabrication applications.



Features:

- Worldwide safety agency approval
- Universal AC input (90-264VAC) (180-264VAC on SM9)
- Meets IEC1000-3-2
- PFC compliant with EN61000-3-2
- Cover and end mounted fan
- Capable of up to 12 independent outputs
- Thermal overload protection
- Fully isolated outputs
- Shipped factory direct

Dimensions:

- SM2: 1.68" x 4" x 9.65"
- SM3: 1.68" x 5" x 10.6"
- SM4: 1.68" x 5" x 10.5"
- SM6: 2.5" x 5" x 11"
- SM9: 2.5" x 7" x 11"

SM2 SERIES, 250W MAX OUTPUT

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM2-S3	SM2-S3	1	5V	50A	342.00	328.45
663-SM2-S4	SM2-S4	1	12V	20A	342.00	328.45
663-SM2-S5	SM2-S5	1	15V	16.6A	342.00	328.45
663-SM2-S6	SM2-S6	1	24V	10A	362.00	347.66
663-SM2-S7	SM2-S7	1	28V	9A	362.00	347.66
663-SM2-S9	SM2-S9	1	48V	5A	362.00	347.66
663-SM2-R2	SM2-R2	1	15V	5A	332.00	318.85
		2	15V	5A		
663-SM2-U4	SM2-U4	1	5V	40A	419.00	402.40
		2	24V	2.5A		
663-SM2-T1	SM2-T1	1	5V	20A	453.00	435.06
		2	12V	4A		
		3	12V	4A		
663-SM2-T2	SM2-T2	1	5V	20A	463.00	444.67
		2	15V	3A		
		3	15V	3A		

SM3 SERIES, 350W MAX OUTPUT

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM3-S3R1	SM3-S3R1	1	5V	50A	456.00	437.95
		2	12V	6A		
		3	12V	6A		
663-SM3-S3R2	SM3-S3R2	1	5V	50A	456.00	437.95
		2	15V	5A		
		3	15V	5A		
663-SM3-U4R1	SM3-U4R1	1	5V	40A	532.00	510.93
		2	12V	6A		
		3	12V	6A		
		4	24V	2.5A		
663-SM3-U4R2	SM3-U4R2	1	5V	40A	532.00	510.93
		2	15V	5A		
		3	15V	5A		
		4	24V	2.5A		
663-SM3-U2R6	SM3-U2R6	1	5V	40A	542.00	520.53
		2	12V	6A		
		3	12V	4A		
		4	5V	8A		

SM4 SERIES, 450W MAX OUTPUT

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM4-S3S3	SM4-S3S3	1	5V	50A	502.00	482.12
		2	5V	50A		
663-SM4-S3S6	SM4-S3S6	1	5V	50A	522.00	501.33
		2	24V	10A		
663-SM4-S6S6	SM4-S6S6	1	24V	10A	542.00	520.53
		2	24V	10A		
663-SM4-U2S3	SM4-U2S3	1	5V	40A	589.00	565.67
		2	12V	20A		
		3	12V	4A		
663-SM4-T6S3	SM4-T6S3	1	5V	50A	613.00	588.73
		2	12V	10A		
		3	12V	4A		
		4	5V	4A		
663-SM4-U4T6	SM4-U4T6	1	5V	40A	690.00	662.68
		2	12V	10A		
		3	12V	4A		
		4	5V	4A		
		5	24V	2.5A		

SM6 SERIES, 600W MAX OUTPUT

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage		Load	Price Each	
					1	2
663-SM6-C3	SM6-C3	1	5V	100A	800.00	768.32
663-SM6-C6	SM6-C6	1	24V	21A	658.00	631.95
663-SM6-C7	SM6-C7	1	28V	18A	677.00	650.19
663-SM6-C9	SM6-C9	1	48V	10.5A	702.00	674.20
663-SM6-B3B3	SM6-B3B3	1	5V	60A	908.00	872.05
		2	5V	60A		
663-SM6-B3A3A4A4	SM6-B3A3A4A4	1	5V	60A	1092.00	1048.75
		2	12V	10A		
		3	12V	10A		
		4	5V	20A		
663-SM6-B3A3A5A5	SM6-B3A3A5A5	1	5V	60A	1098.00	1054.52
		2	15V	8A		
		3	15V	8A		
		4	5V	20A		
663-SM6-A3A5A5A6	SM6-A3A5A5A6	1	5V	20A	1015.00	974.81
		2	15V	8A		
		3	15V	8A		
		4	24V	6A		

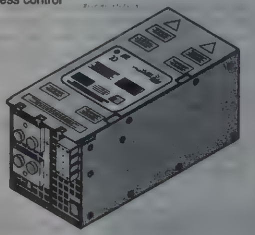
SM9 SERIES, 1000W MAX OUTPUT

For quantities of 5 and up, call for quote.

663-SM9-C3C3	SM9-C3C3	1	5V	100A	1298.00	1246.60
		2	5V	100A		
663-SM9-D1C3B4	SM9-D1C3B4	1	5V	100A	1345.00	1291.74
		2	12V	25A		
		3	12V	10A		
		4	5V	10A		
663-SM9-B3B4A4A6	SM9-B3B4A4A6	1	5V	60A	1323.00	1270.61
		2	12V	25A		
		3	12V	10A		
		4	24V	6A		
663-SM9-B3B5A5A6	SM9-B3B5A5A6	1	5V	60A	1332.00	1279.25
		2	15V	20A		
		3	15V	8A		
		4	24V	6A		
663-SM9-E3C3B4	SM9-E3C3B4	1	5V	100A	1418.00	1361.85
		2	12V	25A		
		3	12V	4A		
		4	15V	1A		
		5	-15V	1A		
663-SM9-D3B3B4B4	SM9-D3B3B4B4	1	5V	60A	1418.00	1361.85
		2	12V	25A		
		3	12V	25A		
		4	5V	10A		
		5	24V	5A		
663-SM9-D3B3B5B5	SM9-D3B3B5B5	1	5V	60A	1431.00	1374.34
		2	15V	20A		
		3	15V	20A		
		4	5V	10A		
		5	24V	5A		
663-SM9-E1C3A6	SM9-E1C3A6	1	5V	100A	1369.00	1314.78
		2	5V	14A		
		3	12V	1A		
		4	-12V	1A		
		5	24V	6A		

SHP SERIES, HEAVY DUTY MODULAR POWER SUPPLIES

These high power, modular power supplies, from 1500 to 2000 watts, are capable of up to 12 independent outputs. Modular design makes these units easy to customize for unusual voltage and power combinations. All units have power factor corrected inputs, an end mounted fan for cooling and a variety of built-in signals and controls. High reliability and a flexible design make these an excellent choice for process control and semiconductor fabrication applications.



Features:

- Multiple output versions available
- IEC 801 immunity standards
- 86-264VAC input voltage
- Current share on all outputs
- End mounted fan
- Voltage adjustment on all outputs
- Overload protection on all outputs
- Power factor correction (.99 typ.)
- Margining on all outputs
- Modular construction
- Two year warranty
- Shipped Factory Direct

UL 1950
E137632

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltage	Output Current	Maximum Output	Price Each
663-SH15-Q2	SH15-Q2	3.3V	300A	1500W	1494.53
663-SH15-Q3	SH15-Q3	5V	300A	1500W	1443.03
663-SH15-Q4	SH15-Q4	12V	125A	1500W	1443.03
663-SH15-Q5	SH15-Q5	15V	100A	1500W	1443.03
663-SH15-Q6	SH15-Q6	24V	62.4A	1500W	1443.03
663-SH15-Q7	SH15-Q7	28V	53.4A	1500W	1443.03
663-SH15-Q8	SH15-Q8	36V	41.6A	1500W	1443.03
663-SH15-Q9	SH15-Q9	48V	31.2A	1500W	1443.03
663-SH20-Q3K3-7	SH20-Q3K3-7	5V	420A	2000W	2245.40
663-SH20-Q6K6-7	SH20-Q6K6-7	24V	87.4A	2000W	2245.40
663-SH20-Q9K9-7	SH20-Q9K9-7	48V	43.7A	2000W	2245.40

SOLA/HEVI-DUTY DIN Rail Power Supplies

SOLA/ HEVI-DUTY

RoHS Compliant **This page of product is compliant.**

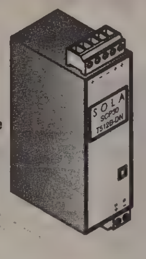
SCP SERIES, 30 WATT SWITCHERS

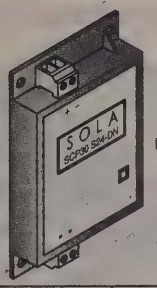
These switchers are compact, rugged encapsulated power supplies designed to power many industrial control and instrumentation devices and equipment, with high reliability and tight regulation.

Features:

- Input Voltage:
  85-264VAC
  100-375VDC
- Five year warranty
- International approvals for global use
- DIN Rail or Chassis Mount
- IP20 protection
- M3 screw clamp terminations
- Simple snap-on for DIN Rail TS35/7.5 or TS35/15
- Chassis mounting possible on -DN Low-Profile versions by removing DIN clips
- Available in Low Profile or Slim Line packages
- Dimensions (H x W x D):
  Low Profile "-DN" - 4.72" x 2.55" x 1.29"
  Slim Line "B-DN" - 4.72" x 1.29" x 2.68"

Slim Line





Low Profile

RoHS Compliant

UL 1950
E137632

CUL/CSA-C22.2
No. 234-M90

EMC and
Low Volt. Directive

For quantities of 50 and up, call for quote.

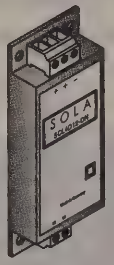
MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Output Voltages			Min. Load V1 (A)	Dimensions: in.	Efficiency	Price Each			
		V1	V2	V3				1	5	10	25
Low Profile - DIN Rail Or Chassis Mount											
663-SCP30S3.3-DN	SCP30S3.3-DN	3.3V @ 6A	- - -	- - -	0	4.72 x 2.55 x 1.29	≥62%	132.00	129.36	124.74	120.12
663-SCP30S5-DN	SCP30S5-DN	5V @ 6A	- - -	- - -	0	4.72 x 2.55 x 1.29	≥70%	133.03	127.76	123.20	118.64
663-SCP30S12-DN	SCP30S12-DN	12V @ 2.5A	- - -	- - -	0	4.72 x 2.55 x 1.29	≥75%	136.00	134.00	132.00	131.00
663-SCP30S15-DN	SCP30S15-DN	15V @ 2.0A	- - -	- - -	0	4.72 x 2.55 x 1.29	≥75%	131.97	126.74	122.22	117.69
663-SCP30S24-DN	SCP30S24-DN	24V @ 1.3A	- - -	- - -	0	4.72 x 2.55 x 1.29	≥77%	131.97	126.74	122.22	117.69
663-SCP30S48-DN	SCP30S48-DN	48V @ 0.6A	- - -	- - -	0	4.72 x 2.55 x 1.29	≥77%	131.97	126.74	122.22	117.69
663-SCP30D12-DN	SCP30D12-DN	12V @ 1.2A	-12V @ 1.2A	- - -	0.12	4.72 x 2.55 x 1.29	≥68%	148.87	142.97	137.86	132.76
663-SCP30D15-DN	SCP30D15-DN	15V @ 1.0A	-15V @ 1.0A	- - -	0.15	4.72 x 2.55 x 1.29	≥68%	154.00	152.00	151.00	149.00
663-SCP30T512-DN	SCP30T512-DN	5V @ 3.0A	-12V @ 0.6A	12V @ 0.6A	0.3	4.72 x 2.55 x 1.29	≥68%	161.54	155.15	149.61	144.07
Slim Line - DIN Rail Mount Only											
663-SCP30S3.3B-DN	SCP30S3.3B-DN	3.3V @ 6A	- - -	- - -	0	4.72 x 1.29 x 2.68	≥62%	141.00	138.18	133.25	128.31
663-SCP30S5B-DN	SCP30S5B-DN	5V @ 6A	- - -	- - -	0	4.72 x 1.29 x 2.68	≥70%	142.53	136.89	132.00	127.11
663-SCP30S12B-DN	SCP30S12B-DN	12V @ 2.5A	- - -	- - -	0	4.72 x 1.29 x 2.68	≥75%	141.47	135.87	131.02	126.17
663-SCP30S15B-DN	SCP30S15B-DN	15V @ 2.0A	- - -	- - -	0	4.72 x 1.29 x 2.68	≥75%	140.42	134.86	130.05	125.23
663-SCP30S24B-DN	SCP30S24B-DN	24V @ 1.3A	- - -	- - -	0	4.72 x 1.29 x 2.68	≥77%	140.42	134.86	130.05	125.23
663-SCP30S48B-DN	SCP30S48B-DN	48V @ 0.6A	- - -	- - -	0	4.72 x 1.29 x 2.68	≥77%	140.42	134.86	130.05	125.23
663-SCP30D12B-DN	SCP30D12B-DN	12V @ 1.2A	-12V @ 1.2A	- - -	0.12	4.72 x 1.29 x 2.68	≥68%	160.47	154.11	148.61	143.10
663-SCP30D15B-DN	SCP30D15B-DN	15V @ 1.0A	-15V @ 1.0A	- - -	0.15	4.72 x 1.29 x 2.68	≥68%	160.47	154.11	148.61	143.10
663-SCP30T512B-DN	SCP30T512B-DN	5V @ 3.0A	-12V @ 0.6A	12V @ 0.6A	0.3	4.72 x 1.29 x 2.68	≥68%	172.09	165.27	159.37	153.47

SCL SERIES, 4 AND 10 WATT CE LINEARS

The Sola 4 and 10 Watt encapsulated linears are available in dual and triple outputs for applications with sensitive electronics and analog circuitry. These low-noise modules are capable of being DIN Rail or Chassis mounted.

Features:

- Quiet, low noise DC Linear technology
- DIN Rail or Chassis mount for easy installation
- Rugged encapsulated design.
- Two year warranty
- Simple snap-on for DIN Rail TS35/7.5 or TS35/15
- M3 screw clamp terminations
- Chassis mounting possible on "-DN" Low-Profile versions by removing DIN clips



CUL/CSA-C22.2
No. 234-M90

EMC and
Low Volt.
Directive

RoHS Compliant

UL 1950
E137632

UL 508 Listed
IND. CONT.
EQ.
EI91000

For quantities of 50 and up, call for quote.

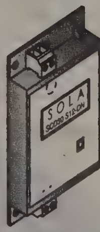
MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Input Voltage	Output Voltages		Min. Load V1 (A)	Input Frequency	Dimensions: in.	Price Each			
			V1	V2				1	5	10	25
663-SCL4D12-DN	SCL4D12-DN	115/230 VAC	12V@.15A	-12V@.15A	- - -	47-63 Hz	4.31 x 2.0 x 0.90	76.42	73.39	70.77	68.15
663-SCL4D15-DN	SCL4D15-DN	115/230 VAC	15V@.13A	-15V @.13A	- - -	47-63 Hz	4.31 x 2.0 x 0.90	76.42	73.39	70.77	68.15
663-SCL10D12-DN	SCL10D12-DN	115/230 VAC	12V@.35A	-12V@.35A	- - -	47-63 Hz	4.71 x 2.55 x 1.29	107.69	103.43	99.74	96.04
663-SCL10D15-DN	SCL10D15-DN	115/230 VAC	15V@.3A	-15V@.3A	- - -	47-63 Hz	4.71 x 2.55 x 1.29	107.69	103.43	99.74	96.04
663-SCL10T512-DN	SCL10T512-DN	115/230 VAC	5V@.25A	12V@.35A	-12V@.35A	47-63 Hz	4.71 x 2.55 x 1.29	117.19	112.55	108.53	104.51
663-SCL10T515-DN	SCL10T515-DN	115/230 VAC	5V@.2A	15V@.28A	-15V@.28A	47-63 Hz	4.71 x 2.55 x 1.29	117.19	112.55	108.53	104.51

SCD SERIES, ENCAPSULATED INDUSTRIAL DC-DC CONVERTER

These DC to DC converters are compact, rugged power supplies designed to power industrial control instrumentation devices and equipment where AC power is not convenient or accessible.

Features:

- DIN Rail or Chassis Mount
- Rugged, encapsulated design to resist environment
- IP20 protection
- Wide input range, 20-72VDC
- Five year warranty
- Dimensions: 4.71" x 2.55" x 1.29"
- Simple snap-on for DIN rail TS35/7.5 or TS 35/15



CUL/CSA-C22.2
No. 234-M90

EMC and
Low Volt.
Directive

RoHS Compliant

UL 1950
E137632

UL 508 Listed
IND. CONT.
EQ.
EI91000

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Input Voltage	Output Voltages		Min. Load V1 (A)	Switching Frequency	Regulation Line/Load	Price Each			
			V1	V2				1	5	10	25
663-SCD30S5-DN	SCD30S5-DN	20-72 VDC	5V @ 5.0A	--	0A	100 kHz	≤±0.5%	172.20	165.38	159.48	153.57
663-SCD30S12-DN	SCD30S12-DN	20-72 VDC	12V @ 2.5A	--	0A	100 kHz	≤±0.5%	172.20	165.38	159.48	153.57
663-SCD30S15-DN	SCD30S15-DN	20-72 VDC	15V @ 2.0A	--	0A	100 kHz	≤±0.5%	172.20	165.38	159.48	153.57
663-SCD30S24-DN	SCD30S24-DN	20-72 VDC	24V @ 1.3A	--	0A	100 kHz	≤±0.5%	172.20	165.38	159.48	153.57
663-SCD30S48-DN	SCD30S48-DN	20-72 VDC	48V @ 0.6A	--	0A	100 kHz	≤±0.5%	179.38	172.27	166.12	159.97
663-SCD30D15-DN	SCD30D15-DN	20-72 VDC	15V @ 0.8A	-15V @ 0.8A	0.15A	100 kHz	≤±0.5%	185.53	178.18	171.81	165.45

Accessories For Din Rail Power Supplies

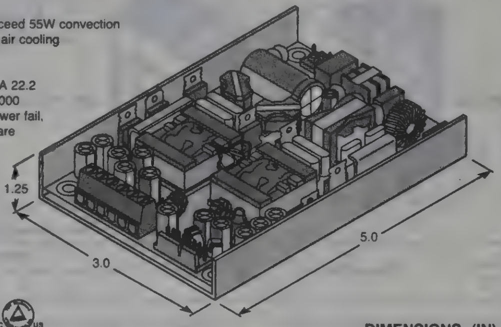
For quantities of 150 and up, call for quote.

MOUSER STOCK NO.	Manufacturer's Type	Description	Price Each			
			1	5	50	100
653-PFP-100N	PFP-100N	DIN rail, 1M length x 7.3mm wide	6.36	5.79	5.13	4.50
653-PFP-M	PFP-M	DIN rail end plate	.69	.63	.56	.50

TAMURA Switching Power Supplies

TAMURA AAD SERIES, 130W MULTIPLE OUTPUT

Specifications:
- V1/V4 or V2/V3 cannot exceed 55W convection cooled or 80W with 15cfm air cooling
- AC input - 90-264VAC
- Input frequency: 47-63Hz
- UL 60950, 3rd Edition, CSA 22.2 No. 60950-00, EN60950-2000
- Includes remote sense, power fail, OVP, OCP and current share on V1 and V2
- Harmonic Distortion meets EN61000-3-2
- Compact size: 3.0" x 5.0" x 1.25"
- Efficiency 83% typical
- Ripple/Noise 1% or 50mV whichever is greater



DIMENSIONS: (IN)

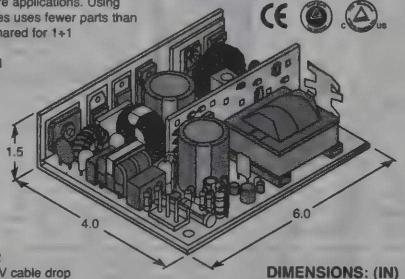
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Output Voltage		Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-AAD130-3404A	AAD130-3404A	1	5V	0.5A	7A	14A	125.00	118.80	111.60
		2	+12V	0.5A	2.5A	5A			
		4	-12V	0.1A	.75A	1.5A			
819-AAD130-3244A	AAD130-3244A	1	5V	0.5A	7A	14A	125.00	118.80	111.60
		2	3.3V	0.5A	8A	16A			
		3	+12V	0.1A	.75A	1.5A			
		4	-12V	0.1A	.75A	1.5A			
819-AAD130-3264A	AAD130-3264A	1	5V	0.5A	7A	14A	125.00	118.80	111.60
		2	3.3V	0.5A	8A	16A			
		3	+24V	0.1A	.75A	1.5A			
		4	-12V	0.1A	.75A	1.5A			
819-AAD130-3255A	AAD130-3255A	1	5V	0.5A	7A	14A	125.00	118.80	111.60
		2	3.3V	0.5A	8A	16A			
		3	+15V	0.1A	.75A	1.5A			
		4	-15V	0.1A	.75A	1.5A			

TAMURA PAS150 SERIES, 150W SINGLE OUTPUT

The PAS Series provides passive power factor correction meeting Class A requirements in 1U high distributed architecture applications. Using advanced materials technology, the PAS Series uses fewer parts than competing PFC technologies. Units can be shared for 1+1 redundancy with no special interconnections. Features include single wire current share and droop current share (field selectable).

Specifications:
- Unit is rated to 150W with 15cfm forced air cooling and 80W with convection cooling
- AC Input - 85-132/180-264VAC
- Input frequency: 47-63Hz
- Harmonic Distortion meets EN61000-3-2 for Class A
- Compact Size - 4.0" x 6.0" x 1.5"
- Efficiency up to 85% typical
- UL 60950, 3rd Edition, IEC 60950-1, CSA C22.2 NO. 60950-00, EN60950-1:2002
- Remote sense compensates for up to 250mV cable drop
- DCOK, OVP, OCP and Power fail standard



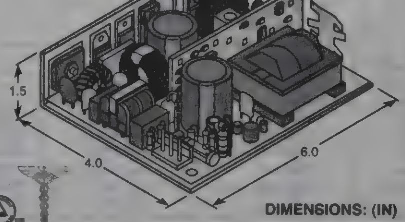
DIMENSIONS: (IN)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Output Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-PAS150-2AG	PAS150-2AG	3.3V	0	15A	30A	100.00	91.80	86.40
819-PAS150-3AG	PAS150-3AG	5V	0	15A	30A	100.00	91.80	86.40
819-PAS150-4AG	PAS150-4AG	12V	0	6.25A	12.5A	100.00	91.80	86.40
819-PAS150-5AG	PAS150-5AG	15V	0	5.25A	10.5A	100.00	91.80	86.40
819-PAS150-6AG	PAS150-6AG	24V	0	3.25A	6.5A	100.00	91.80	86.40
819-PAS150-9AG	PAS150-9AG	48V	0	1.75A	3.5A	100.00	91.80	86.40

TAMURA PAM150 SERIES, 150W SINGLE OUTPUT MEDICAL

Specifications:
- Unit is rated to 150W with 15cfm of air and 80W convection cooled
- AC input 85-132/180-264VAC
- Input frequency: 47-63Hz
- Includes OVP, OCP and Power Fail as standard
- Harmonic Distortion meets EN61000-3-2 for Class A
- UL2601-1, CSA22.2 No. 601-1, EN60601-1:90 + A13, IEC 60601-1
- Compact size at 4.0" x 6.0" x 1.5"
- Efficiency to 85% typical
- Ripple/Noise 1% or 50mV whichever is greater



DIMENSIONS: (IN)

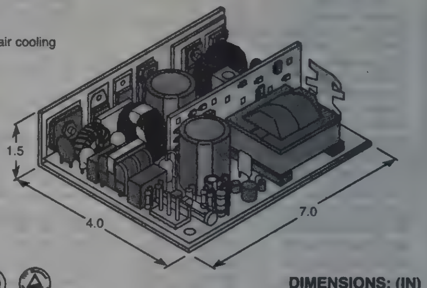
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Output Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-PAM150-4	PAM150-4	12V	0	6.5A	12.5A	140.00	123.95	113.90
819-PAM150-6	PAM150-6	24V	0	3.25A	6.5A	140.00	123.95	113.90
819-PAM150-9	PAM150-9	48V	0	1.7A	3.5A	140.00	123.95	113.90

TAMURA PAS250 SERIES, 250W SINGLE OUTPUT

The PAS Series provides passive power factor correction meeting Class A requirements in 1U high distributed architecture applications. Using advanced materials technology, the PAS Series uses fewer parts than competing PFC technologies. Units can be shared for 1+1 redundancy with no special interconnections. Features single wire current share and droop current share (field selectable).

Specifications:
- Unit is rated to 250W with 25cfm forced air cooling and 50% with convection cooling
- AC Input - 85-132/180-264VAC
- Input frequency: 47-63Hz
- Harmonic distortion meets EN61000-3-2 for Class A
- Compact Size - 4.0" x 7.0" x 1.5"
- Efficiency up to 85% typical
- UL 60950, 3rd Edition, IEC 60950-1, CSA C22.2 NO. 60950-00, EN60950-1:2002
- Remote sense compensates for up to 250mV cable drop
- DC OK, OVP and OCP standard



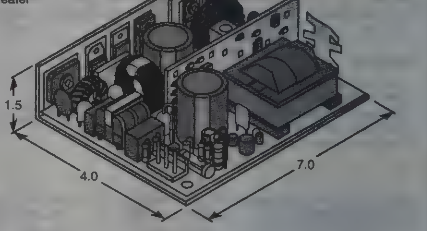
DIMENSIONS: (IN)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Output Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-PAS250-4AG	PAS250-4AG	12V	0	10.5A	21A	150.00	135.05	124.10
819-PAS250-6AG	PAS250-6AG	24V	0	5.25A	10.5A	150.00	135.05	124.10
819-PAS250-9AG	PAS250-9AG	48V	0	2.75A	5.5A	150.00	135.05	124.10

TAMURA PAM250 SERIES, 250W SINGLE OUTPUT MEDICAL

Specifications:
- Unit is rated to 250W with 25cfm of air and 130W convection cooled
- AC input 85-132/180-264VAC
- Input frequency: 47-63Hz
- Includes OVP, OCP, DC OK and power fail as standard
- Harmonic Distortion meets EN61000-3-2 for Class A
- UL2601-1, CSA22.2 No. 601-1, EN60601-1:90 + A13, IEC 60601-1
- Compact size at 4.0" x 7.0" x 1.5"
- Efficiency to 85% typical
- Ripple/Noise 1% or 50mV whichever is greater



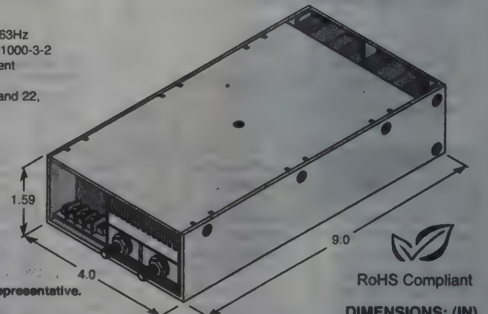
DIMENSIONS: (IN)

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Output Voltage	Load Min.	Load Conv.	Load Air	Price Each 1	Price Each 5	Price Each 10
819-PAM250-4	PAM250-4	12V	0	10.5A	21A	195.00	176.00	162.80
819-PAM250-6	PAM250-6	24V	0	5.25A	10.5A	195.00	176.00	162.80
819-PAM250-9	PAM250-9	48V	0	2.75A	5.5A	195.00	176.00	162.80

TAMURA AAD600S SERIES, 600W SINGLE OUTPUT WITH POWER FACTOR CORRECTION

Specifications:
- Input voltage: 85-264VAC, 47-63Hz
- Harmonic distortion meets IEC1000-3-2
- DC OK, OVP, Single wire current share, AC power fail
- EMI filtering meets CISPR 11 and 22, FCC part 15 class B
- No minimum load
- Up to 92% efficiency
- Remote on/off
- Standby Power: 5VDC @ 1A
- RoHS compliant



Other voltages available. Contact a Mouser Services Representative.

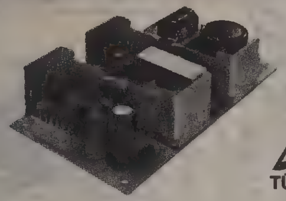
RoHS Compliant

DIMENSIONS: (IN)

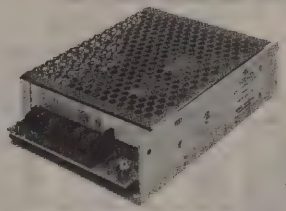
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Tamura Part No.	Output Voltage	Continuous Output	Price Each 1	Price Each 3	Price Each 5
819-AAD600S-4-P	AAD600S-4-P	12V	42A	450.00	416.25	382.50
819-AAD600S-6-P	AAD600S-6-P	24V	23A	450.00	416.25	382.50
819-AAD600S-9-P	AAD600S-9-P	48V	12.5A	450.00	416.25	382.50

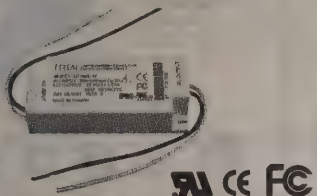
A



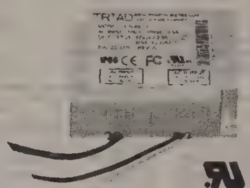
B



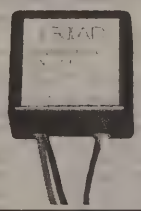
C



D



E



TRIAD ALS SINGLE OUTPUT SERIES

Specifications:
- AC input: 85-264Vac, 47/63Hz
- Efficiency: 70% typical
- Line regulation: 1%
- Load regulation: 2%

Features:
- Over current, over voltage, and short circuit protection
- EMI (Conducted RFI): EN55022, Class A
- RoHS Complaint

RoHS Compliant

For quantities greater of 100 and up, call for quote.

MOUSER STOCK NO.	Triad Part No.	Fig.	Output Power (W)	Output Voltage (Vdc)	Output Current (A)	Dimensions In (mm)			Price Each			
						L	W	H	1	10	25	50
553-ALS50-3.3	ALS50-3.3	A	30.0	3.3	9.1	5.00 (127.0)	3.00 (76.2)	1.40 (35.6)	25.44	23.17	21.89	19.50
553-ALS50-5	ALS50-5	A	45.0	5.0	9.0	5.00 (127.0)	3.00 (76.2)	1.40 (35.6)	25.44	23.17	21.89	19.50
553-ALS50-12	ALS50-12	A	50.4	12.0	4.2	5.00 (127.0)	3.00 (76.2)	1.40 (35.6)	25.44	23.17	21.89	19.50
553-ALS50-24	ALS50-24	A	50.4	24.0	2.1	5.00 (127.0)	3.00 (76.2)	1.40 (35.6)	25.44	23.17	21.89	19.50
553-ALS75-3.3	ALS75-3.3	A	40.0	3.3	12.0	5.00 (127.0)	3.00 (76.2)	1.65 (42.0)	29.05	25.12	23.09	21.90
553-ALS75-5	ALS75-5	A	60.0	5.0	12.0	5.00 (127.0)	3.00 (76.2)	1.65 (42.0)	29.05	25.12	23.09	21.90
553-ALS75-12	ALS75-12	A	75.0	12.0	6.2	5.00 (127.0)	3.00 (76.2)	1.65 (42.0)	29.05	25.12	23.09	21.90
553-ALS75-24	ALS75-24	A	75.0	24.0	3.1	5.00 (127.0)	3.00 (76.2)	1.65 (42.0)	29.05	25.12	23.09	21.90

TRIAD AWSP SINGLE OUTPUT SERIES

Specifications:
- AC input: 85-264Vac, 47/63Hz
- Load regulation: 5V ±1.0%, 12 and 24V ±0.5%
- Line regulation: ±0.5%

Features:
- Over current, over voltage, and short circuit protection
- CISPR22 Class B EMC
- RoHS Compliant

RoHS Compliant

For quantities greater of 100 and up, call for quote.

MOUSER STOCK NO.	Triad Part No.	Fig.	Output Power (W)	Output Voltage (Vdc)	Output Current (A)	Dimensions In (mm)			Price Each			
						L	W	H	1	10	25	50
553-AWSP40-5	AWSP40-5	B	40	5	7.6	5.08 (129)	3.86 (98)	1.50 (38)	23.05	21.81	20.67	19.54
553-AWSP40-12	AWSP40-12	B	40	12	3.3	5.08 (129)	3.86 (98)	1.50 (38)	23.05	21.81	20.67	19.54
553-AWSP40-24	AWSP40-24	B	40	24	1.7	5.08 (129)	3.86 (98)	1.50 (38)	23.05	21.81	20.67	19.54
553-AWSP60-5	AWSP60-5	B	60	5	12.0	6.30 (160)	3.86 (98)	1.50 (38)	29.60	26.57	25.07	24.56
553-AWSP60-12	AWSP60-12	B	60	12	5.0	6.30 (160)	3.86 (98)	1.50 (38)	29.60	26.57	25.07	24.56
553-AWSP60-24	AWSP60-24	B	60	24	2.5	6.30 (160)	3.86 (98)	1.50 (38)	29.60	26.57	25.07	24.56
553-AWSP100-5	AWSP100-5	B	100	5	20.0	7.83 (199)	3.86 (98)	1.65 (42)	57.19	51.44	48.40	46.61
553-AWSP100-12	AWSP100-12	B	100	12	8.4	7.83 (199)	3.86 (98)	1.65 (42)	57.19	51.44	48.40	46.61
553-AWSP100-24	AWSP100-24	B	100	24	4.2	7.83 (199)	3.86 (98)	1.65 (42)	57.19	51.44	48.40	46.61
553-AWSP150-5	AWSP150-5	B	150	5	30.0	7.83 (199)	3.86 (98)	1.97 (50)	59.51	54.43	52.68	49.46
553-AWSP150-12	AWSP150-12	B	150	12	12.5	7.83 (199)	3.86 (98)	1.97 (50)	59.51	54.43	52.68	49.46
553-AWSP150-24	AWSP150-24	B	150	24	6.3	7.83 (199)	3.86 (98)	1.97 (50)	59.51	54.43	52.68	49.46

TRIAD SWITCH MODE POWER SUPPLY SERIES

Features:
- Encapsulated
- Indoor/Outdoor
- Short circuit protection : Auto-recovery
- Convection Cooling
- RoHS Compliant

RoHS Compliant

For quantities greater of 100 and up, call for quote.

MOUSER STOCK NO.	Triad Part No.	Fig.	Output Power (W)	Output Voltage (Vdc)	Output Current (mA)	Dimensions In (mm)			Price Each			
						L	W	H	1	10	25	50
Constant Voltage: 90-264Vac, 47/63Hz												
553-TLD1020-12	TLD1020-12	C	20	12	1660	3.74 (95)	1.57 (40)	0.98 (25)	39.00	33.85	30.70	27.90
553-TLD1020-24	TLD1020-24	C	20	24	830	3.74 (95)	1.57 (40)	0.98 (25)	39.00	33.85	30.70	27.90
553-TLD1040-12	TLD1040-12	D	40	12	3330	3.74 (95)	2.76 (70)	1.26 (32)	50.14	42.08	38.02	35.85
553-TLD1040-24	TLD1040-24	D	40	24	1670	3.74 (95)	2.76 (70)	1.26 (32)	50.14	42.08	38.02	35.85
Constant Current: 90-264Vac, 47/63Hz												
553-TLD1020-24-C0350	TLD1020-24-C0350	C	20	12-24	350	3.74 (95)	1.57 (40)	0.98 (25)	39.00	33.85	30.70	27.90
553-TLD1020-24-C0700	TLD1020-24-C0700	C	20	12-24	700	3.74 (95)	1.57 (40)	0.98 (25)	39.00	33.85	30.70	27.90
553-TLD1020-36-C0350	TLD1020-36-C0350	C	20	18-36	350	3.74 (95)	1.57 (40)	0.98 (25)	39.00	33.85	30.70	27.90
553-TLD1040-24-C1050	TLD1040-24-C1050	D	40	12-24	1050	3.74 (95)	2.76 (70)	1.26 (32)	50.14	42.08	38.02	35.85
553-TLD1040-36-C0700	TLD1040-36-C0700	D	40	18-36	700	3.74 (95)	2.76 (70)	1.26 (32)	50.14	42.08	38.02	35.85
553-TLD1040-36-C1050	TLD1040-36-C1050	D	40	18-36	1050	3.74 (95)	2.76 (70)	1.26 (32)	50.14	42.08	38.02	35.85
Constant Current: 10-40Vdc, 1A max												
553-TLM4036DC-350	TLM4036DC-350	E	26	2-36	350	1.26 (32)	1.22 (31)	0.59 (15)	17.47	15.08	13.70	12.31
553-TLM4036DC-700	TLM4036DC-700	E	26	2-36	700	1.26 (32)	1.22 (31)	0.59 (15)	17.47	15.08	13.70	12.31
553-TLM4036DC-1000	TLM4036DC-1000	E	26	2-36	1000	1.26 (32)	1.22 (31)	0.59 (15)	17.47	15.08	13.70	12.31

ASTEC AC Adapters

RoHS Compliant **This page of product is compliant.**

ASTEC DA4 SERIES, 4W SINGLE OUTPUT

Specifications:
- AC Input Voltage: 90-264VAC
- AC Input Frequency: 47-63Hz
- 6 foot DC cord included
- Output Connector: 2.5 x 5.5mm

Features:
- Regulated output
- Overload and short circuit protection
- Constant voltage, constant current
- LED power good indicator
- Built in EMI filter (CISPR 22 Class B)
- Prefix designates countries AC plug

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Astec Part No.	Fig.	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Peak Load	Ripple P-P (PARD)	Price Each		
									1	10	25
826-DA4-050US	DA4-050US	A	4W	5.5V	0A	0.75A	0.80A	150mV	8.70	7.93	7.17
826-DA4-050EU	DA4-050EU	A	4W	5.5V	0A	0.75A	0.80A	150mV	8.70	7.93	7.17
826-DA4-050CH	DA4-050CH	A	4W	5.5V	0A	0.75A	0.80A	150mV	8.70	7.93	7.17

ASTEC DA16 SERIES, 16W SINGLE OUTPUT

Specifications:
- AC Input Voltage: 90-264VAC
- AC Input Frequency: 47-63Hz
- 6 foot DC cord included
- Output Connector: 2.5 x 5.5mm

Features:
- Fully regulated output
- Overload and short circuit protection
- Constant voltage
- Thermal protection
- LED power good indicator
- Built in EMI filter (CISPR 22 Class B)
- Prefix designates countries AC plug

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Astec Part No.	Fig.	Maximum Power	Output Voltage	Minimum Load	Maximum Load	Peak Load	Ripple P-P (PARD)	Price Each		
									1	10	25
826-DA16-120US	DA16-120US	B	16W	12.2V	0.2A	1.33A	1.5A	120mV	17.40	15.87	14.34
826-DA16-120EU	DA16-120EU	B	16W	12.2V	0.2A	1.33A	1.5A	120mV	17.40	15.87	14.34
826-DA16-120UK	DA16-120UK	B	16W	12.2V	0.2A	1.33A	1.5A	120mV	17.40	15.87	14.34
826-DA16-120AU	DA16-120AU	B	16W	12.2V	0.2A	1.33A	1.5A	120mV	17.40	15.87	14.34

ASTEC DPT50 SERIES, 50W TRIPLE OUTPUT

Specifications:
- AC Input Voltage: 90-264VAC
- AC Input Frequency: 47-440Hz
- Efficiency: 80% typical @ full load
- 6 foot DC cord included
- Output Connector: 5 pin DIN

Features:
- Fully regulated output
- Overpower and short circuit protection
- Constant voltage
- LED power good indicator
- IEC320 AC receptacle, 3 pin (type C14)
- Built in EMI filter (CISPR 22 Class B)
- Complies with EN61000-3-2

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Astec Part No.	Fig.	Maximum Power	Output Voltage	Maximum Load	Peak Load	Regulation L-L	Ripple P-P (PARD)	Price Each		
									1	10	25
826-DPT51	DPT51	C	30W	+3.3V +5V +12V	9A 3A 0.5A	9A 4A 1A	±4% ±6% ±5%	50mV 50mV 120mV	85.00	77.53	70.00
826-DPT52	DPT52	C	50W	+5V +12V -12V	8A 3A 0.5A	9A 4A 1A	±2% ±5% ±5%	50mV 120mV 120mV	85.00	77.53	70.00
826-DPT53	DPT53	C	50W	+5V +15V -15V	8A 2.4A 0.5A	9A 3.2A 0.7A	±2% ±5% ±5%	50mV 150mV 150mV	85.00	77.53	70.00
826-DPT54	DPT54	C	50W	+5V +24V +12V	8A 1.5A 0.5A	9A 2A 0.7A	±2% ±7% ±5%	50mV 240mV 120mV	85.00	77.53	70.00
AC Input Cord (sold separately)											
173-63101-E	6ft., 3-Wire, 18AWG, black AC input cord								3.94	3.20	2.73

Medical Version • Medical Safety Approvals

826-DPT51-M	DPT51-M	C	30W	+3.3V +5V +12V	9A 3A 0.5A	9A 4A 1A	±4% ±6% ±5%	50mV 50mV 120mV	94.00	84.19	78.24
826-DPT52-M	DPT52-M	C	50W	+5V +12V -12V	8A 3A 0.5A	9A 4A 1A	±2% ±5% ±5%	50mV 120mV 120mV	94.00	84.19	78.24
826-DPT53-M	DPT53-M	C	50W	+5V +15V -15V	8A 2.4A 0.5A	9A 3.2A 0.7A	±2% ±5% ±5%	50mV 150mV 150mV	94.00	84.19	78.24
826-DPT54-M	DPT54-M	C	50W	+5V +24V +12V	8A 1.5A 0.5A	9A 2A 0.7A	±2% ±7% ±5%	50mV 240mV 120mV	94.00	84.19	78.24
North American Power Cord: Hospital Grade - Unshielded (sold separately)											
562-233008-06	233008-06	8ft., 3-Wire, 18AWG, gray plug hospital grade AC cord							5.07	4.90	4.61

ASTEC DPS50 SERIES, 60W SINGLE OUTPUT

Specifications:
- AC Input Voltage: 90-264VAC
- AC Input Frequency: 47-440Hz
- Efficiency: 80% typical @ full load
- 6 foot DC cord included
- Output Connector: 2.5 x 5.5mm

Features:
- Fully regulated output
- Overload and short circuit protection
- Internal remote sense to the output plug
- Constant voltage
- LED power good indicator
- IEC320 AC receptacle, 3 pin (type C14)
- Built in EMI filter (CISPR 22 Class B)
- Complies with EN61000-3-2

RoHS Compliant

For quantities of 50 and up, call for quote.

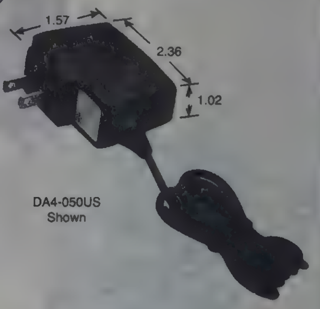
MOUSER STOCK NO.	Astec Part No.	Fig.	Maximum Power	Output Voltage	Maximum Load	Peak Load	Regulation L-L	Ripple P-P (PARD)	Price Each		
									1	10	25
826-DPS52	DPS52	D	30W	5V	6A	6.5A	±2%	50mV	63.65	58.40	54.20
826-DPS53	DPS53	D	60W	12V	5A	5.4A	±2%	120mV	55.20	49.50	45.90
826-DPS54	DPS54	D	60W	15V	4A	4.3A	±2%	150mV	54.55	50.05	46.45
826-DPS55	DPS55	D	60W	24V	2.5A	2.7A	±2%	240mV	63.65	58.40	54.20
826-DPS58	DPS58	D	60W	48V	1.25A	1.35A	±2%	480mV	55.20	49.50	45.90
AC Input Cord (Sold Separately)											
173-63101-E	6ft., 3-Wire, 18AWG, black AC input cord								3.94	3.20	2.73

Medical Version • Medical Safety Approvals

826-DPS52-M	DPS52-M	D	30W	5V	6A	6.5A	±2%	50mV	63.65	58.40	54.20
826-DPS53-M	DPS53-M	D	60W	12V	5A	5.4A	±2%	120mV	64.40	57.75	53.55
826-DPS54-M	DPS54-M	D	60W	15V	4A	4.3A	±2%	150mV	64.40	57.75	53.55
826-DPS55-M	DPS55-M	D	60W	24V	2.5A	2.7A	±2%	240mV	63.65	58.40	54.20
826-DPS58-M	DPS58-M	D	60W	48V	1.25A	1.35A	±2%	480mV	64.40	57.75	53.55
North American Power Cord: Hospital Grade - Unshielded (Sold Separately)											
562-233008-06	233008-06	8ft., 3-Wire, 18AWG, gray plug hospital grade AC cord							5.07	4.90	4.61

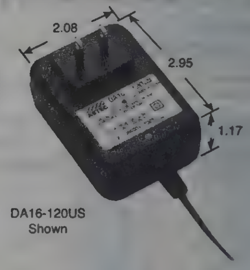
DIMENSIONS: in.

A



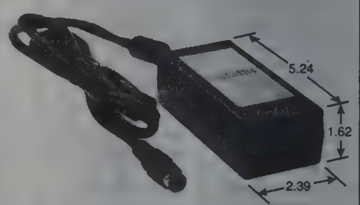
DA4-050US Shown

B

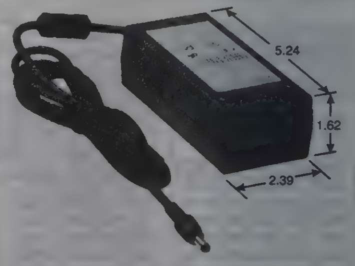


DA16-120US Shown

C



D



AULT Energy Star Compliant AC Adapters

RoHS Compliant This page of product is compliant.

PW149 SERIES, 10-12W DESKTOP POWER SUPPLIES

- 100-240VAC Universal input
- Complies with EMI/RFI regulations
- DC output connector: 2.5mm X 5.5mm, center positive, 6 foot cord

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Fig.	Output Voltage	Output Current	Max. Power	Price Each			
						1	10	25	50
831-PW149RA0503F01	PW149RA0503F01	A	5V	2.00A	10.0W	19.24	16.98	16.41	15.72
831-PW149RA0903F01	PW149RA0903F01	A	9V	1.30A	11.7W	19.24	16.98	16.41	15.72
831-PW149RA1203F01	PW149RA1203F01	A	12V	1.00A	12.0W	19.24	16.98	16.41	15.72
831-PW149RA2403F01	PW149RA2403F01	A	24V	0.50A	12.0W	19.24	16.98	16.41	15.72
831-PW149RA4803F01	PW149RA4803F01	A	48V	0.25A	12.0W	19.24	16.98	16.41	15.72
AC Input Cord (Sold Separately)									
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black					3.47	2.82	2.82	2.41

PW148 SERIES, 15-19W DESKTOP POWER SUPPLIES

- 100-250VAC Universal input
- Complies with EMI/RFI regulations
- DC output connector: 2.5mm X 5.5mm, center positive, 6 foot cord

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Fig.	Output Voltage	Output Current	Max. Power	Price Each			
						1	10	25	50
831-PW148RA0503F01	PW148RA0503F01	B	5V	3.00A	15.0W	20.04	17.69	17.10	16.37
831-PW148RA0903F01	PW148RA0903F01	B	9V	2.00A	18.0W	20.04	17.69	17.10	16.37
831-PW148RA1203F01	PW148RA1203F01	B	12V	1.50A	18.0W	20.04	17.69	17.10	16.37
831-PW148RA2403F01	PW148RA2403F01	B	24V	0.75A	18.0W	20.04	17.69	17.10	16.37
831-PW148RA4803F01	PW148RA4803F01	B	48V	0.40A	19.2W	20.04	17.69	17.10	16.37
AC Input Cord (Sold Separately)									
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black					3.47	2.82	2.82	2.41

PW173 SERIES, 27-32W DESKTOP POWER SUPPLIES

- 100-250VAC Universal input
- Regulated output with low ripple
- No load power consumption less than 0.75W
- DC output connector: 2.5mm X 5.5mm, center positive, 6 foot cord

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Fig.	Output Voltage	Output Current	Max. Power	Price Each			
						1	10	25	50
831-PW173KA0903F01	PW173KA0903F01	C	9	3.00A	27.00W	30.18	26.63	25.74	25.58
831-PW173KA1203F01	PW173KA1203F01	C	12	2.50A	30.00W	30.18	26.63	25.74	25.58
831-PW173KA2403F01	PW173KA2403F01	C	24	1.33A	31.92W	30.18	26.63	25.74	25.58
831-PW173KA4803F01	PW173KA4803F01	C	48	0.67A	32.16W	30.18	26.63	25.74	25.58
AC Input Cord (Sold Separately)									
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black					3.47	2.82	2.82	2.41

PW152 SERIES, 48-50W DESKTOP POWER SUPPLIES

- 100-250VAC Universal input
- Regulated output with low ripple
- No load power consumption less than 0.75W
- DC output connector: 2.5mm X 5.5mm, center positive, 6 foot cord

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Fig.	Output Voltage	Output Current	Max. Power	Price Each			
						1	10	25	50
831-PW152KA1203F01	PW152KA1203F01	D	12V	4.20A	50.4W	33.22	29.31	28.33	28.13
831-PW152KA2403F01	PW152KA2403F01	D	24V	2.00A	48.0W	33.22	29.31	28.33	28.13
AC Input Cord (Sold Separately)									
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black					3.47	2.82	2.82	2.41

PW174 SERIES, 60-65W DESKTOP POWER SUPPLIES

- 100-250VAC Universal input
- Regulated output with low ripple
- DC output connector: 2.5mm X 5.5mm, center positive, 6 foot cord

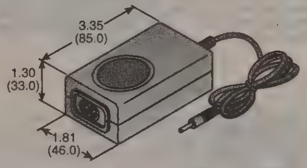
RoHS Compliant

For quantities of 100 and up, call for quote.

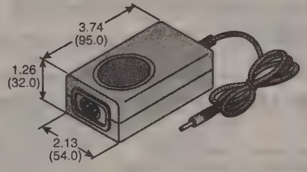
MOUSER STOCK NO.	Ault Part No.	Fig.	Output Voltage	Output Current	Max. Power	Price Each			
						1	10	25	50
831-PW174KA1203F01	PW174KA1203F01	E	12V	5.00A	60.0W	41.00	36.18	31.97	34.37
831-PW174KA2403F01	PW174KA2403F01	E	24V	2.70A	64.80W	41.00	36.18	31.97	34.37
AC Input Cord (Sold Separately)									
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black					3.47	2.82	2.82	2.41

DIMENSIONS: in. (mm)

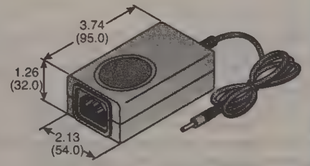
A



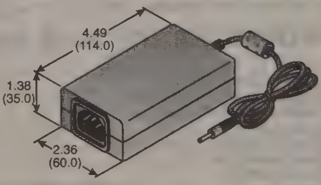
B



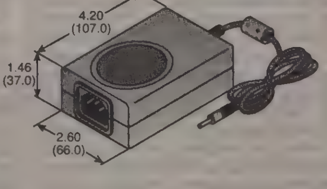
C



D



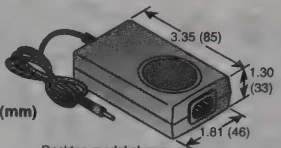
E



AULT AC Adapters

PW117 SERIES, ITE 6-12W SINGLE OUTPUT

- 100-240VAC Universal input
- Regulated DC output with low ripple
- Complies with EMI/RFI regulations
- CE Compliant
- DC output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- Three year warranty
- Weight: 4.8 oz



DIMENSIONS: in. (mm)

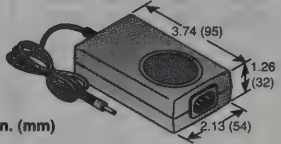
Desktop model shown

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Wallmount Models							
831-PW117RA0503B01	PW117RA0503B01	5V	2.00A	10.0W	**17.01**	**16.35**	**15.89**
831-PW117RA0903B01	PW117RA0903B01	9V	1.10A	10.0W	**17.01**	**16.35**	**15.89**
831-PW117RA1203B01	PW117RA1203B01	12V	0.85A	10.2W	**17.01**	**16.35**	**15.89**
831-PW117RA2403B01	PW117RA2403B01	24V	0.45A	10.8W	**17.01**	**16.35**	**15.89**
831-PW117RA4803B01	PW117RA4803B01	48V	0.25A	12.0W	**17.01**	**16.35**	**15.89**
Desktop Models (AC input cord not included)							
831-PW117RA0503F01	PW117RA0503F01	5V	2.00A	10.0W	**19.20**	**18.58**	**17.35**
831-PW117RA0903F01	PW117RA0903F01	9V	1.10A	10.0W	**19.20**	**18.58**	**17.35**
831-PW117RA1203F01	PW117RA1203F01	12V	0.85A	10.2W	**19.20**	**18.58**	**17.35**
831-PW117RA2403F01	PW117RA2403F01	24V	0.45A	10.8W	**19.20**	**18.58**	**17.35**
831-PW117RA4803F01	PW117RA4803F01	48V	0.25A	12.0W	**19.20**	**18.58**	**17.35**
AC Input Cord							
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black				**3.47**	**2.82**	**2.82**

PW118 SERIES, ITE 10-19W SINGLE OUTPUT

- 100-240VAC Universal input
- Regulated DC output with low ripple
- Complies with EMI/RFI regulations
- CE Compliant
- DC output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- One year warranty
- Weight: 7 oz



DIMENSIONS: in. (mm)

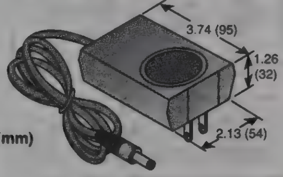
Desktop model shown

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Wallmount Models							
831-PW118RA0503B01	PW118RA0503B01	5V	3.00A	15.0W	**21.00**	**19.65**	**18.97**
831-PW118RA0903B01	PW118RA0903B01	9V	2.00A	18.0W	**21.22**	**19.34**	**18.10**
831-PW118RA1203B01	PW118RA1203B01	12V	1.50A	18.0W	**21.22**	**19.34**	**18.10**
831-PW118RA2403B01	PW118RA2403B01	24V	0.75A	18.0W	**21.22**	**19.34**	**18.10**
831-PW118RA4803B01	PW118RA4803B01	48V	0.40A	19.0W	**21.22**	**19.34**	**18.10**
Desktop Models (AC input cord not included)							
831-PW118RA0503F01	PW118RA0503F01	5V	3.00A	15.0W	**23.36**	**21.30**	**19.92**
831-PW118RA0903F01	PW118RA0903F01	9V	2.00A	18.0W	**21.51**	**19.61**	**18.65**
831-PW118RA1203F01	PW118RA1203F01	12V	1.50A	18.0W	**21.51**	**19.61**	**18.65**
831-PW118RA2403F01	PW118RA2403F01	24V	0.75A	18.0W	**21.51**	**19.61**	**18.65**
831-PW118RA4803F01	PW118RA4803F01	48V	0.40A	19.0W	**21.51**	**19.61**	**18.65**
AC Input Cord							
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black				**3.47**	**2.82**	**2.82**

PW128 SERIES, ITE 13-32W SINGLE OUTPUT

- 100-240VAC Universal input
- Regulated DC output with low ripple
- Complies with EMI/RFI regulations
- CE Compliant
- DC output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- One year warranty
- Weight: 7 oz



DIMENSIONS: in. (mm)

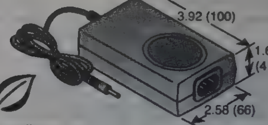
Wallmount model shown

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Wallmount Models							
831-PW128RA0503B01	PW128RA0503B01	5V	4.00A	20.0W	**33.40**	**32.01**	**30.64**
831-PW128RA0903B01	PW128RA0903B01	9V	3.00A	27.0W	**33.40**	**32.01**	**30.64**
831-PW128RA1203B01	PW128RA1203B01	12V	2.50A	30.0W	**33.40**	**32.01**	**30.64**
831-PW128RA2403B01	PW128RA2403B01	24V	1.33A	31.9W	**33.40**	**32.01**	**30.64**
831-PW128RA4803B01	PW128RA4803B01	48V	0.67A	32.2W	**33.40**	**32.01**	**30.64**
Desktop Models (AC input cord not included)							
831-PW128RA0503F01	PW128RA0503F01	5V	4.00A	20.0W	**37.50**	**35.36**	**33.22**
831-PW128RA0903F01	PW128RA0903F01	9V	3.00A	27.0W	**37.50**	**35.36**	**33.22**
831-PW128RA1203F01	PW128RA1203F01	12V	2.50A	30.0W	**37.50**	**35.36**	**33.22**
831-PW128RA2403F01	PW128RA2403F01	24V	1.33A	31.9W	**37.50**	**35.36**	**33.22**
831-PW128RA4803F01	PW128RA4803F01	48V	0.67A	32.2W	**37.50**	**35.36**	**33.22**
AC Input Cord							
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black				**3.47**	**2.82**	**2.82**

PW136 SERIES, ITE 30-60W SINGLE OUTPUT

- 100-240VAC Universal input
- Regulated DC output with low ripple
- Complies with EMI/RFI regulations
- CE Compliant
- DC output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- AC input cord not included
- One year warranty
- Weight: 7 oz



RoHS Compliant

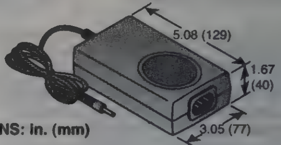
DIMENSIONS: in. (mm)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
831-PW136RA1203F01	PW136RA1203F01	12V	5.00A	60.0W	**44.67**	**40.74**	**38.11**
831-PW136RA2403F01	PW136RA2403F01	24V	2.50A	60.0W	**44.67**	**40.74**	**38.11**
831-PW136RA4803F01	PW136RA4803F01	48V	1.25A	60.0W	**44.67**	**40.74**	**38.11**
AC Input Cord							
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black				**3.47**	**2.82**	**2.82**

PW116 SERIES, ITE 60-90W SINGLE OUTPUT

- 100-250VAC universal input
- Complies with EMI/RFI regulations
- Regulated (±1%) output with low ripple
- AC input cord not included
- Three year warranty
- Weight: 13 oz



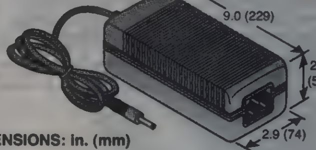
DIMENSIONS: in. (mm)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Output Connector: Molex 39-01-2060, Mating Connector, 538-39-01-3063, 6 Foot Cord							
831-PW116MA0551F01	PW116MA0551F01	5V	12.00A	60W	**125.64**	**118.66**	**111.68**
831-PW116MA0951F01	PW116MA0951F01	9V	7.80A	70W	**125.64**	**118.66**	**111.68**
831-PW116MA1251F01	PW116MA1251F01	12V	6.67A	80W	**125.64**	**118.66**	**111.68**
Output Connector: 2.5mm x 5.5mm, Center Positive, 6 Foot Cord (shown above)							
831-PW116MA2403F01	PW116MA2403F01	24V	3.75A	90W	**123.50**	**113.49**	**108.49**
831-PW116MA4803F01	PW116MA4803F01	48V	1.87A	90W	**123.50**	**113.49**	**108.49**
AC Input Cord							
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black				**3.47**	**2.82**	**2.82**

PW132 SERIES, ITE 101W SINGLE OUTPUT

- 100-250VAC universal input
- Complies with EMI/RFI regulations
- Regulated (±1%) output with low ripple
- AC input cord not included
- Three year warranty
- Weight: 13 oz
- DC output cord: 6 foot
  12V: output connector Molex 39-01-2060,
  mating connector 538-39-01-3063
  24V and 48V: 2.5mm x 5.5mm center positive



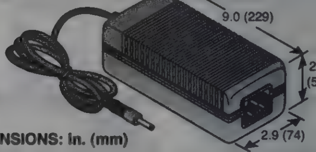
DIMENSIONS: in. (mm)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
831-PW132RA1251F01	PW132RA1251F01	12V	8.15A	98.0W	**86.75**	**79.53**	**77.12**
831-PW132RA2403F01	PW132RA2403F01	24V	4.21A	101.0W	**88.00**	**78.49**	**76.11**
831-PW132RA4803F01	PW132RA4803F01	48V	2.08A	101.0W	**88.00**	**78.49**	**76.11**
AC Input Cord							
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black				**3.47**	**2.82**	**2.82**

PW122 SERIES, ITE 120W SINGLE OUTPUT

- 100-250VAC universal input
- Complies with EMI/RFI regulations
- Regulated (±1%) output with low ripple
- AC input cord not included
- Three year warranty
- Weight: 13 oz
- DC output cord: 6 foot
  12V: output connector Molex 39-01-2060,
  mating connector 538-39-01-3063
  24V and 48V: 2.5mm x 5.5mm center positive



DIMENSIONS: in. (mm)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
831-PW122MA1251F01	PW122MA1251F01	12V	10.00A	120.0W	**138.28**	**129.35**	**120.43**
831-PW122MA2403F01	PW122MA2403F01	24V	5.00A	120.0W	**124.18**	**119.90**	**115.61**
831-PW122MA4803F01	PW122MA4803F01	48V	2.50A	120.0W	**124.18**	**119.90**	**115.61**
AC Input Cord							
173-63101-E	7' 6" AC input cord, 3-wire input, 18AWG, Black				**3.47**	**2.82**	**2.82**

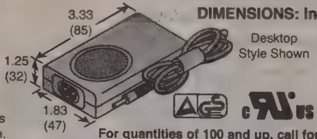
AULT Medical AC Adapters and Power Over Ethernet

MW117 SERIES, 6-11W MEDICAL SINGLE OUTPUT

Specifications:

- 100-240VAC universal input
- Desktop or wallmount models
- Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- Efficiency: 70% min.
- One year warranty
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

DIMENSIONS: In. (mm)



For quantities of 100 and up, call for quote.

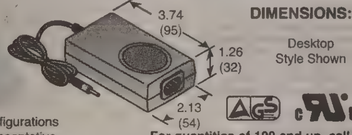
MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Wallmount Models							
831-MW117RA0503B01	MW117RA0503B01	5V	2.00A	10.0W	**24.45**	**23.25**	**22.24**
831-MW117RA0903B01	MW117RA0903B01	9V	1.12A	10.8W	**24.45**	**23.25**	**22.24**
831-MW117RA1203B01	MW117RA1203B01	12V	0.85A	10.2W	**24.45**	**23.25**	**22.24**
831-MW117RA2403B01	MW117RA2403B01	24V	0.45A	10.8W	**24.45**	**23.25**	**22.24**
Desktop Models (AC Input Cord Not Included)							
831-MW117RA0503F01	MW117RA0503F01	5V	2.00A	10.0W	**25.10**	**24.03**	**22.84**
831-MW117RA0903F01	MW117RA0903F01	9V	1.12A	10.8W	**25.10**	**24.03**	**22.84**
831-MW117RA1203F01	MW117RA1203F01	12V	0.85A	10.2W	**25.10**	**24.03**	**22.84**
831-MW117RA2403F01	MW117RA2403F01	24V	0.45A	10.8W	**25.10**	**24.03**	**22.84**
AC Input cord	Description						
562-233008-06	8' AC input cord, 3-wire input, 18AWG, gray				**5.07**	**4.90**	**4.61**

MW128 SERIES, 13-32W MEDICAL SINGLE OUTPUT

Specifications:

- 100-240VAC universal input
- Desktop or wallmount models
- Regulated (±1%) output with low ripple
- Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- One year warranty
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

DIMENSIONS: In. (mm)



For quantities of 100 and up, call for quote.

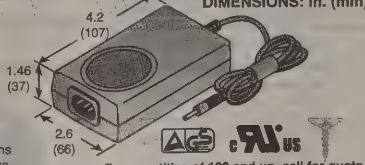
MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Wallmount Models							
831-MW128RA0503B01	MW128RA0503B01	5V	4.00A	20.0W	**37.94**	**34.88**	**32.21**
831-MW128RA0903B01	MW128RA0903B01	9V	3.00A	27.0W	**37.94**	**34.88**	**32.21**
831-MW128RA1203B01	MW128RA1203B01	12V	2.50A	30.0W	**37.94**	**34.88**	**32.21**
831-MW128RA2403B01	MW128RA2403B01	24V	1.33A	32.0W	**37.94**	**34.88**	**32.21**
Desktop Models (AC Input Cord Not Included)							
831-MW128RA0503F01	MW128RA0503F01	5V	4.00A	20.0W	**36.10**	**30.38**	**28.73**
831-MW128RA0903F01	MW128RA0903F01	9V	3.00A	27.0W	**43.56**	**41.38**	**38.21**
831-MW128RA1203F01	MW128RA1203F01	12V	2.50A	30.0W	**43.56**	**41.38**	**38.21**
831-MW128RA2403F01	MW128RA2403F01	24V	1.33A	32.0W	**43.56**	**41.38**	**38.21**
AC Input cord	Description						
562-233008-06	8' AC input cord, 3-wire input, 18AWG, gray				**5.07**	**4.90**	**4.61**

MW160 SERIES, 15-48W MEDICAL SINGLE OUTPUT

Specifications:

- 100-240VAC universal input
- Meets medical safety agency approvals
- Regulated (±1%) output with low ripple
- Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord (5V model has a 3.2 foot cord)
- AC cord not included
- Three year warranty
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.

DIMENSIONS: In. (mm)



For quantities of 100 and up, call for quote.

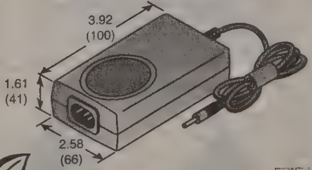
MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
831-MW160KA0503F01	MW160KA0503F01	5V	5.00A	25.0W	**58.59**	**55.80**	**45.12**
831-MW160KA0903F01	MW160KA0903F01	9V	4.60A	42.0W	**58.59**	**55.80**	**45.12**
831-MW160KA1203F01	MW160KA1203F01	12V	3.50A	42.0W	**58.59**	**55.80**	**45.12**
831-MW160KA2403F01	MW160KA2403F01	24V	2.00A	48.0W	**58.59**	**55.80**	**45.12**
AC Input cord	Description						
562-233008-06	8' AC input cord, 3-wire input, 18AWG, gray				**5.07**	**4.90**	**4.61**

MW136 SERIES, 23-60W MEDICAL SINGLE OUTPUT

Specifications:

- 100-250VAC universal input
- Regulated (±1%) output with low ripple
- Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- Three year warranty
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.
- AC Cord not included

DIMENSIONS: In. (mm)



RoHS Compliant

Desktop Models

For quantities of 100 and up, call for quote.

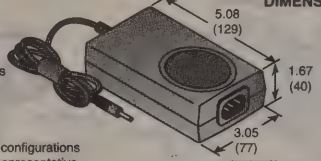
MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
831-MW136RA1203F01	MW136RA1203F01	12V	5.00A	60.0W	**47.66**	**44.24**	**40.86**
831-MW136RA2403F01	MW136RA2403F01	24V	2.50A	60.0W	**47.66**	**44.24**	**40.86**
AC Input cord	Description						
562-233008-06	8' AC input cord, 3-wire input, 18AWG, gray				**5.07**	**4.90**	**4.61**

MW116 SERIES, 60-90W MEDICAL SINGLE OUTPUT

DIMENSIONS: In. (mm)

Specifications:

- 100-240VAC universal input
- Meets medical safety agency approvals
- Regulated (±1%) output with low ripple
- Output connector: 2.5mm x 5.5mm, center positive, 6 foot cord
- Three year warranty
- Other output voltages and mechanical configurations available - contact a Mouser Service Representative.



For quantities of 100 and up, call for quote.

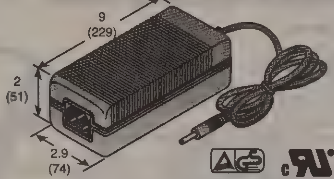
MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Output Connector: Molex 39-01-2060, Mating Connector 538-39-01-3063, 6 Foot Cord							
831-MW116MA1251F01	MW116MA1251F01	12V	6.67A	80.0W	**158.66**	**145.79**	**135.01**
Output Connector: 2.5mm x 5.5mm, Center Positive, 6 Foot Cord (Shown Above)							
831-MW116MA1803F01	MW116MA1803F01	18V	5.00A	90.0W	**151.79**	**143.59**	**132.97**
831-MW116MA2403F01	MW116MA2403F01	24V	3.75A	90.0W	**151.79**	**143.59**	**132.97**
AC Input cord (all models)	Description						
562-233008-06	8' AC input cord, 3-wire input, 18AWG, gray				**5.07**	**4.90**	**4.61**

MW122 SERIES, 120W MEDICAL SINGLE OUTPUT

DIMENSIONS: In. (mm)

Specifications:

- 100-240VAC universal input
- Meets medical safety agency approvals
- Regulated (±1%) output with low ripple
- Three year warranty



For quantities of 100 and up, call for quote.

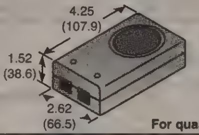
MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Output Connector: Molex 39-01-2060, Mating Connector 538-39-01-3063, 5 Foot Cord							
831-MW122MA1251F01	MW122RA1251F01	12V	10A	120W	**149.75**	**145.20**	**140.66**
Output Connector: 2.5mm x 5.5mm, Center Positive, 5 Foot Cord (Shown Above)							
831-MW122MA2403F01	MW122RA2403F01	24V	5A	120W	**143.93**	**139.57**	**135.20**
AC Input cord (all models)	Description						
562-233008-06	8' AC input cord, 3-wire input, 18AWG, gray				**5.07**	**4.90**	**4.61**

PW130RB POWER OVER ETHERNET INJECTOR

Specifications:

- Self-contained power injector up to 15W
- 100-250VAC universal input
- Regulated (±1%) output with low ripple
- Output connector: Dual RJ45 jacks
- IEEE802.3af Compliant
- Detection collision avoidance
- One year warranty

DIMENSIONS: In. (mm)



LISTED

For quantities of 100 and up, call for quote.

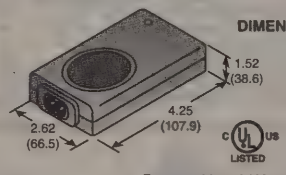
MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Three Wire Input: (AC Input Cord Not Included)							
831-PW130RB4800F1	PW130RB4800F1	48V	0.35A	15.4W	**38.09**	**35.14**	**32.46**
AC Input cord	Description						
173-63101-E	7'6" AC input cord, 3-wire input, 18AWG, black				**3.47**	**2.82**	**2.82**
Two Wire Input: (AC Input Cord Not Included)							
831-PW130RB4800N1	PW130RB4800N1	48V	0.35A	15.4W	**38.09**	**35.14**	**32.46**
AC Input cord	Description						
173-21102-E	6' AC input cord, 2-wire input, 18AWG, black				**2.55**	**2.09**	**2.09**

PW130RA POWER OVER ETHERNET INJECTOR

Specifications:

- Self-contained power injector up to 20W
- 100-250VAC universal input
- Regulated (±1%) output with low ripple
- Output connector: Dual RJ45 jacks
- Not compliant with IEEE 802.3af standard
- One year warranty

DIMENSIONS: In. (mm)



LISTED

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Ault Part No.	Output Voltage	Max. Current	Max. Power	Price Each		
					1	10	25
Three Wire Input (AC Input Cord Not Included)							
831-PW130RA4800F1	PW130RA4800F1	48V	0.42A	20.16W	**30.91**	**28.52**	**26.33**
AC Input cord	Description						
173-63101-E	7'6" AC input cord, 3-wire input, 18AWG, black				**3.47**	**2.82**	**2.82**
Two Wire Input (AC Input Cord Not Included)							
831-PW130RA4800N1	PW130RA4800N1	48V	0.42A	20.16W	**30.91**	**28.52**	**26.33**
AC Input cord	Description						
173-21102-E	6' AC input cord, 2-wire input, 18AWG, black				**2.55**	**2.09**	**2.09**

CINCON External Power Supplies

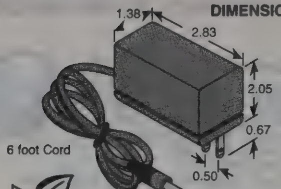
TR 15 SERIES

15W Switching Adapters

DIMENSIONS: In.

Specifications:

- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.5A Max.
- Inrush current: 50A Max. @ 264Vac
- Short circuit protection: Continuous (auto recovery)
- Operating temperature: 0~4°C
- Dimensions: 2.83 x 2.05 x 1.38
- DC Output plug: 2.1mm or 2.5mm center positive



Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 75% typical

RoHS Compliant

CE c US

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR1505	418-TR1505-12	5V	2A	±1%	±4%	13.90	12.84	11.77
418-TR1506	418-TR1506-12	6V	1.5A	±1%	±3%	13.90	12.84	11.77
418-TR1507	418-TR1507-12	7.5V	1.6A	±1%	±3%	13.90	12.84	11.77
418-TR1509	418-TR1509-12	9V	1.4A	±1%	±2%	13.90	12.84	11.77
418-TR1512	418-TR1512-12	12V	1A	±1%	±2%	13.90	12.84	11.77
418-TR1512-01	418-TR1512-01-12	13.6V	1A	±1%	±2%	13.90	12.84	11.77
418-TR1515	418-TR1515-12	15V	1A	±1%	±2%	13.90	12.84	11.77
418-TR1518	418-TR1518-12	18V	0.83A	±1%	±2%	13.90	12.84	11.77
418-TR1524	418-TR1524-12	24V	0.63A	±1%	±2%	13.90	12.84	11.77

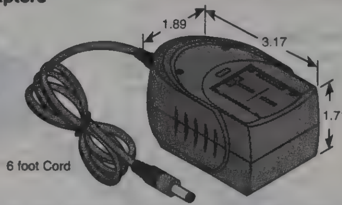
TR 15RA SERIES

Interchangeable 15W Switching Adapters

DIMENSIONS: in.

Specifications:

- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.4A max
- Inrush current: 30A max @ 264Vac
- Short circuit protection: Continuous (auto recovery)
- Operating temperature: 0~40°C
- Dimensions: 3.17 x 1.89 x 1.71
- DC Output plug: 2.1mm or 2.5mm center positive



Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Over voltage protection
- High efficiency, 75% typical
- Meets EN55022 Class B
- Interchangeable AC plugs
- AC plug must be ordered separately

CE c US

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR15RA050	418-TR15RA050-12	5V	2.0A	±1%	±4%	19.00	17.68	16.52
418-TR15RA060	418-TR15RA060-12	6V	1.7A	±1%	±3%	19.00	17.68	16.52
418-TR15RA090	418-TR15RA090-12	9V	1.4A	±1%	±2%	19.00	17.68	16.52
418-TR15RA120	418-TR15RA120-12	12V	1.1A	±1%	±2%	19.00	17.68	16.52
418-TR15RA150	418-TR15RA150-12	15V	1.0A	±1%	±2%	19.00	17.68	16.52
418-TR15RA180	418-TR15RA180-12	18V	830mA	±1%	±2%	19.00	17.68	16.52
418-TR15RA240	418-TR15RA240-12	24V	625mA	±1%	±2%	19.00	17.68	16.52

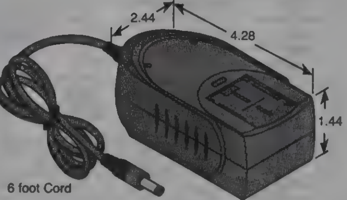
TR 30RAM SERIES

Interchangeable 30W Switching Adapters for Medical Products

DIMENSIONS: in.

Specifications:

- Voltage: 90 ~ 264Vac
- Frequency: 47 to 63HZ
- Input current: 50A max @ 264Vac
- Short circuit protection: Continuous (auto recovery)
- Operating temperature: 0~40° C
- Dimensions: 4.28 x 2.44 x 1.44
- DC Output plug: 2.1mm or 2.5mm center positive



Features:

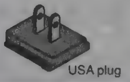
- Universal input: 90~264Vac
- Continuous short circuit protection
- Over voltage protection
- High efficiency, 75% typical
- Meets EN55022 Class B
- Interchangeable AC plugs
- AC plug must be ordered separately

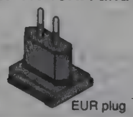
CE c US
E176177

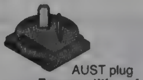
For quantities of 100 and up, call for quote.

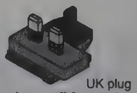
MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR30RAM050	418-TR30RAM050-12	5.0V	4.0A	±1%	±6%	40.50	37.49	34.72
418-TR30RAM090	418-TR30RAM090-12	9.0V	3.0A	±1%	±3%	40.50	37.49	34.72
418-TR30RAM120	418-TR30RAM120-12	12V	2.5A	±1%	±2%	40.50	37.49	34.72
418-TR30RAM150	418-TR30RAM150-12	15V	2.0A	±1%	±2%	40.50	37.49	34.72
418-TR30RAM180	418-TR30RAM180-12	18V	1.65A	±1%	±2%	40.50	37.49	34.72
418-TR30RAM240	418-TR30RAM240-12	24V	1.25A	±1%	±2%	40.50	37.49	34.72

AC Plugs and Kits for TR 15RA and TR 30RAM Series


USA plug


EUR plug


AUST plug


UK plug

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Style	Price Each			
			1	5	25	100
418-TR15RA-US	TR15RA-US	U.S.	.49	.47	.46	.45
418-TR15RA-EURO	TR15RA-EURO	European	.56	.52	.50	.48
418-TR15RA-UK	TR15RA-UK	U.K.	.92	.84	.79	.72
418-TR15RA-AUS	TR15RA-AUS	Australian	.70	.66	.62	.55
418-TR15RA-PLUGKIT	TR15RA-PLUGKIT	All 4 Plugs	2.67	2.49	2.37	2.20

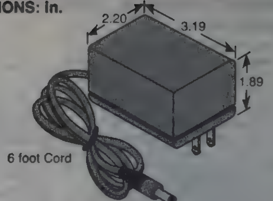
TR 25 SERIES

25W Switching Adapters

DIMENSIONS: In.

Specifications:

- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.7A Max.
- Inrush current: 50A Max. @ 264Vac
- Short circuit protection: Continuous (auto recovery)
- Operating temperature: 0~40°C
- Dimensions: 3.19 x 2.20 x 1.89
- Weight: 0.48 lbs.
- DC Output plug: 2.1mm or 2.5mm center positive



Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 80% typical

CE c US

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR2505	418-TR2505-12	5V	4A	±1%	±6%	16.04	14.98	13.91
418-TR2512	418-TR2512-12	12V	2.1A	±1%	±5%	16.04	14.98	13.91
418-TR2515	418-TR2515-12	15V	1.67A	±1%	±3%	16.04	14.98	13.91
418-TR2518	418-TR2518-12	18V	1.4A	±1%	±2%	16.04	14.98	13.91
418-TR2524	418-TR2524-12	24V	1.05A	±1%	±2%	16.04	14.98	13.91

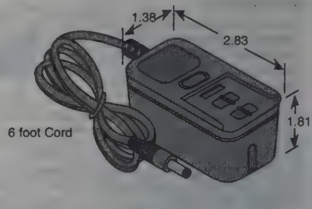
TR 10R SERIES

Interchangeable 10W Switching Adapter

DIMENSIONS: in.

Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Conductive EMI meets CISPR/FCC class B
- High efficiency, 75% typical
- Interchangeable AC plugs
- AC plug must be ordered separately



Specifications:

- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.4A Max.
- Inrush current: 30A Max. @ 264Vac
- Short circuit protection: Continuous (auto recovery)
- Holdup time: 10mS typ. @ 115V
- Over current protection: constant current
- Operating temperature: 0~40°C
- Storage temperature: -20~85°C
- Dimensions: 2.83 x 1.81 x 1.38
- DC Output plug: 2.1mm or 2.5mm center positive

CE c US

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR10R033	418-TR10R033-12	3.3V	1.6A	±1%	±4%	19.24	17.10	16.03
418-TR10R050	418-TR10R050-12	5V	1.6A	±1%	±4%	19.24	17.10	16.03
418-TR10R060	418-TR10R060-12	6V	1.5A	±1%	±3%	19.24	17.10	16.03
418-TR10R075	418-TR10R075-12	7.5V	1.2A	±1%	±3%	19.24	17.10	16.03
418-TR10R090	418-TR10R090-12	9V	1.1A	±1%	±2%	19.24	17.10	16.03
418-TR10R120	418-TR10R120-12	12V	.85A	±1%	±2%	19.24	17.10	16.03
418-TR10R136	418-TR10R136-12	13.6V	0.75A	±1%	±2%	19.24	17.10	16.03
418-TR10R150	418-TR10R150-12	15V	0.7A	±1%	±2%	19.24	17.10	16.03
418-TR10R180	418-TR10R180-12	18V	0.55A	±1%	±2%	19.24	17.10	16.03
418-TR10R240	418-TR10R240-12	24V	0.4A	±1%	±2%	19.24	17.10	16.03

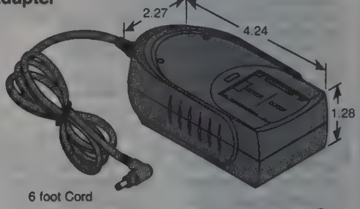
TR 30R SERIES

Interchangeable 30W Switching Adapter

DIMENSIONS: in.

Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Over Voltage Protection
- Conductive EMI meets CISPR/FCC Class B
- High efficiency, 75% typical
- Interchangeable AC plugs
- DC output plug: 2.1mm or 2.5mm, center positive
- Color: gray and black (Special order colors available: red/black, orange/black, blue/black)



Specifications:

- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.7A Max.
- Inrush current: 50A Max. @ 264Vac

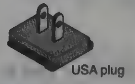
CE c US

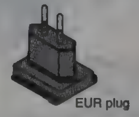
For quantities of 100 and up, call for quote.

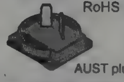
MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR30R050	418-TR30R050-12	5.0V	5.0A	±1%	±6%	37.40	34.19	32.05
418-TR30R090	418-TR30R090-12	9.0V	3.3A	±1%	±3%	37.40	34.19	32.05
418-TR30R120	418-TR30R120-12	12V	2.5A	±1%	±2%	37.40	34.19	32.05
418-TR30R150	418-TR30R150-12	15V	2.0A	±1%	±2%	37.40	34.19	32.05
418-TR30R180	418-TR30R180-12	18V	1.65A	±1%	±2%	37.40	34.19	32.05
418-TR30R240	418-TR30R240-12	24V	1.25A	±1%	±2%	37.40	34.19	32.05

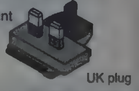
AC Plugs and Kits for TR 10R and TR 30R Series

RoHS Compliant


USA plug


EUR plug


AUST plug


UK plug

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Cincon Part No.	Style	Price Each			
			1	5	25	100
418-TR10-US	TR10-US	U.S.	.49	.47	.46	.45
418-TR10-EURO	TR10-EURO	European	.56	.52	.50	.48
418-TR10-UK	TR10-UK	U.K.	.92	.84	.79	.72
418-TR10-AUS	TR10-AUS	Australian	.70	.66	.62	.55
418-4PLUGKIT-R	4PLUGKIT-R	All 4 Plugs	2.67	2.58	2.49	2.37

CINCON External Power Supplies

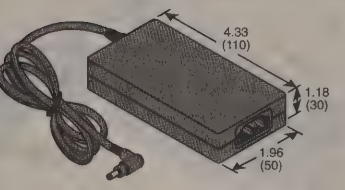
TR 20B SERIES

20W Switching Adapter

DIMENSIONS: in. (mm)

Specifications:

- Input Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Input current: 0.6A Max.
- Inrush Current: 50A Max @ 264Vac
- Input Power (No Load): 0.75W Max @ 240Vac
- DC Output Plug: 2.1mm or 2.5mm Center Positive



Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Over Voltage Protection
- Conductive EMI Meets CISPR/FCC Class B
- High efficiency, 75% typical
- Green Power (Input Power <0.75W at no Load)
- Meets "European Commission of Energy" 2003 Year Phase 2
- AC Inlet: IEC320/C14
- Output Cord Length: 1800mm

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR20B033	418-TR20B033-02	3.3V	4500mA	±1%	±7%	25.95	23.28	21.35
418-TR20B050	418-TR20B050-02	5V	4000mA	±1%	±6%	25.95	23.28	21.35
418-TR20B090	418-TR20B090-02	9V	2300mA	±1%	±3%	25.95	23.28	21.35
418-TR20B120	418-TR20B120-02	12V	1700mA	±1%	±2%	25.95	23.28	21.35
418-TR20B150	418-TR20B150-02	15V	1400mA	±1%	±2%	25.95	23.28	21.35
418-TR20B180	418-TR20B180-02	18V	1200mA	±1%	±2%	25.95	23.28	21.35
418-TR20B240	418-TR20B240-02	24V	850mA	±1%	±2%	25.95	23.28	21.35
AC Input Cord								
173-0602-E	6'7" AC input cord, 3-wire input, 18 AWG, Black					4.09	4.09	3.41

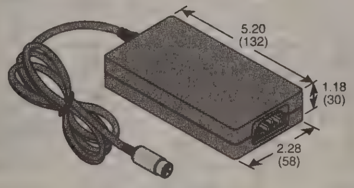
TR 25D SERIES

25W Dual Output Switching Adapter

DIMENSIONS: in. (mm)

Specifications:

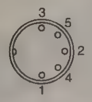
- Input Voltage: 90~264Vac
- Frequency: 47 - 63Hz
- Inrush Current: 50A Max @ 264Vac
- Conducted EMI: CISPR/FCC Class B
- Isolation: Input to Output=4242VDC
- Leakage Current: 1.5mA Max
- AC Inlet: IEC320/C14
- Output Plug: 5 Pin DIN
- Output Cord Length: 1800mm



Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted

DC Plug Pin Assignment	
Pin #	Output
1	Ground
2	Ground
3	NC
4	V1
5	V2



RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	DC Output Voltage	Output Current (AMPS)			Total Regulation	Price Each		
		Min.	Rated	Max.		1	5	25
418-TR25D-01	+3.3V (V1) +5V (V2)	0.3 0.2	3 2	4 3	±7% ±5%	36.32	33.11	30.97
418-TR25D-02	+5V (V1) +12V (V2)	0.2 0.13	2 1.3	3 2	±5% ±5%	36.32	33.11	30.97
418-TR25D-03	+5V (V1) +15V (V2)	0.2 0.1	2 1	3 1.5	±5% ±5%	36.32	33.11	30.97
418-TR25D-04	+5V (V1) +24V (V2)	0.2 0.1	2 0.6	3 1	±5% ±5%	36.32	33.11	30.97
AC Input Cord								
173-0602-E	6'7" AC input cord, 3-wire input, 18 AWG, Black					4.09	4.09	3.41

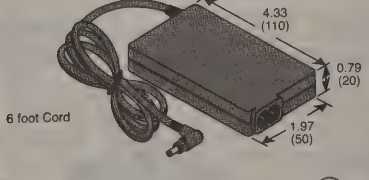
TR 36 SERIES

36W Switching Adapter

DIMENSIONS: in. (mm)

Specifications:

- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Inrush current: 50A Max. @ 264Vac
- Conducted EMI: CISPR/FCC Class B
- Leakage current: 0.25mA Max.
- Short circuit protection: Continuous
- Operating temperature: 0~40°C
- Dimensions: 4.33 x 1.97 x 0.79
- AC Inlet: IEC 320/C8
- DC Output plug: 2.1mm or 2.5mm center positive



Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 85% typical

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR36A05	418-TR36A05-02	5V	4A	±1%	±6%	32.67	27.76	24.75
418-TR36A09	418-TR36A09-02	9V	3A	±1%	±5%	32.67	27.76	24.75
418-TR36A12	418-TR36A12-02	12V	2.5A	±1%	±5%	32.67	27.76	24.75
418-TR36A13	418-TR36A13-02	13.5V	2.4A	±1%	±5%	32.67	27.76	24.75
418-TR36A15	418-TR36A15-02	15V	2.4A	±1%	±3%	32.67	27.76	24.75
418-TR36A18	418-TR36A18-02	18V	2A	±1%	±2%	32.67	27.76	24.75
418-TR36A24	418-TR36A24-02	24V	1.5A	±1%	±2%	32.67	27.76	24.75
418-TR36A48	418-TR36A48-02	48V	0.75A	±1%	±2%	32.67	27.76	24.75
AC Input Cord								
173-21101-E	6' AC input cord, 2-wire input, 18 AWG, Black					3.65	3.65	3.20

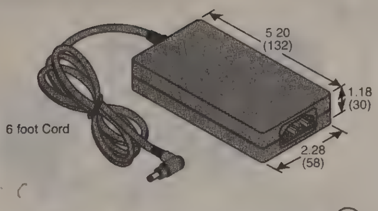
TR 45 SERIES

45W Switching Adapter

DIMENSIONS: in. (mm)

Specifications:

- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Inrush current: 50A Max. @ 264Vac
- Leakage current: 1.5mA Max.
- Short circuit protection: Continuous
- Operating temperature: 0~40°C
- Dimensions: 5.20 x 2.28 x 1.18
- AC Inlet: IEC 320/C14
- DC Output plug: 2.1mm or 2.5mm center positive



Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 82% typical

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR45A05	418-TR45A05-02	5V	6A	±1%	±6%	38.62	32.19	29.27
418-TR45A12	418-TR45A12-02	12V	3.75A	±1%	±5%	38.62	32.19	29.27
418-TR45A15	418-TR45A15-02	15V	3A	±1%	±3%	38.62	32.19	29.27
418-TR45A18	418-TR45A18-02	18V	2.5A	±1%	±2%	38.62	32.19	29.27
418-TR45A19	418-TR45A19-02	19V	2.37A	±1%	±2%	38.62	32.19	29.27
418-TR45A24	418-TR45A24-02	24V	1.88A	±1%	±2%	38.62	32.19	29.27
418-TR45A48	418-TR45A48-02	48V	1A	±1%	±2%	38.62	32.19	29.27
AC Input Cord								
173-0602-E	6'7" AC input cord, 3-wire input, 18 AWG, Black					4.09	4.09	3.41

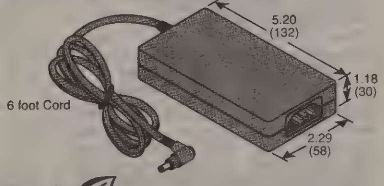
TR 70 SERIES

70W Switching Adapter

DIMENSIONS: in. (mm)

Specifications:

- Voltage: 90~264Vac
- Frequency: 47 to 63Hz
- Inrush current: 50A Max. @ 264Vac
- Leakage current: 1.5mA Max.
- Short circuit protection: Continuous
- Operating temperature: 0~40°C
- Dimensions: 5.20 x 2.29 x 1.18
- AC Inlet: IEC 320/C14
- DC Output plug: 2.1mm or 2.5mm center positive



Features:

- Universal input: 90~264Vac
- Continuous short circuit protection
- Meets EN55022 class "B", conducted
- High efficiency, 85% typical

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		DC Output Voltage	Current Max.	Regulation		Price Each		
2.1mm Plug	2.5mm Plug			Line	Load	1	5	25
418-TR70A12	418-TR70A12-02	12V	5.5A	±1%	±5%	42.68	35.57	32.34
418-TR70A15	418-TR70A15-02	15V	4.6A	±1%	±3%	42.68	35.57	32.34
418-TR70A18	418-TR70A18-02	18V	3.9A	±1%	±2%	42.68	35.57	32.34
418-TR70A19	418-TR70A19-02	19V	3.7A	±1%	±2%	42.68	35.57	32.34
418-TR70A24	418-TR70A24-02	24V	3A	±1%	±2%	42.68	35.57	32.34
418-TR70A48	418-TR70A48-02	48V	1.5A	±1%	±2%	42.68	35.57	32.34
AC Input Cord								
173-0602-E	6'7" AC input cord, 3-wire input, 18 AWG, Black					4.09	4.09	3.41

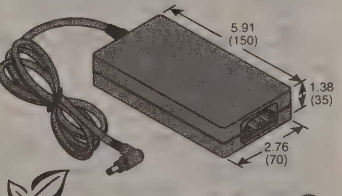
TR 100 SERIES

100W Switching Adapter with PFC

DIMENSIONS: in. (mm)

Features:

- Universal Input: 90~264Vac
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency, 85% Typical



Specifications:

- Input Voltage: 90~264Vac
- Frequency: 47 - 63Hz
- Inrush Current: 100A Max @ 264Vac
- Conductive EMI: CISPR/FCC Class B
- Isolation: Input to Output=4242VDC
- Leakage Current: 1.5mA Max
- AC Inlet: IEC320/C14
- DC Output Plug: 2.1mm or 2.5mm Center Positive

RoHS Compliant

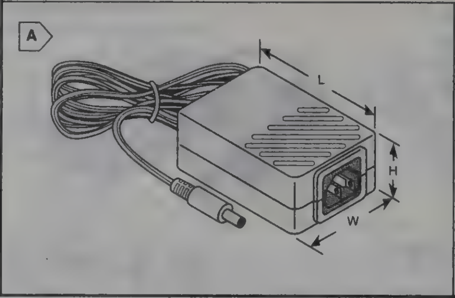
For quantities of 100 and up, call for quote.

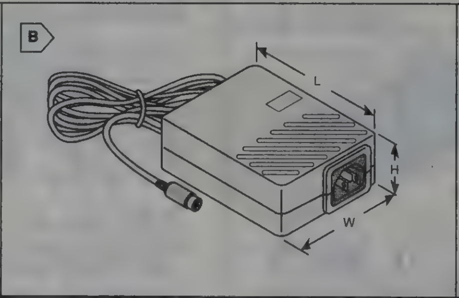
MOUSER STOCK NO.	Cord Length	DC Output Voltage	Current Max.	Regulation		Price Each		
				Line	Load	1	5	25
2.1mm Plug								
418-TR100A120	1200mm	12V	8.30A	±1%	±4%	74.86	64.16	53.46
418-TR100A150	1200mm	15V	6.67A	±1%	±4%	74.86	64.16	53.46
418-TR100A180	1800mm	18V	5.56A	±1%	±2%	74.86	64.16	53.46
418-TR100A240	1800mm	24V	4.17A	±1%	±2%	74.86	64.16	53.46
418-TR100A280	1800mm	28V	3.54A	±1%	±2%	74.86	64.16	53.46
418-TR100A480	1800mm	48V	2.08A	±1%	±2%	74.86	64.16	53.46
2.5mm Plug								
418-TR100A120-02	1200mm	12V	8.30A	±1%	±4%	74.86	64.16	53.46
418-TR100A150-02	1200mm	15V	6.67A	±1%	±4%	74.86	64.16	53.46
418-TR100A180-02	1800mm	18V	5.56A	±1%	±2%	74.86	64.16	53.46
418-TR100A240-02	1800mm	24V	4.17A	±1%	±2%	74.86	64.16	53.46
418-TR100A280-02	1800mm	28V	3.54A	±1%	±2%	74.86	64.16	53.46
418-TR100A480-02	1800mm	48V	2.08A	±1%	±2%	74.86	64.16	53.46
AC Input Cord								
173-0602-E	6'7" AC input cord, 3-wire input, 18 AWG, Black					4.09	4.09	3.41

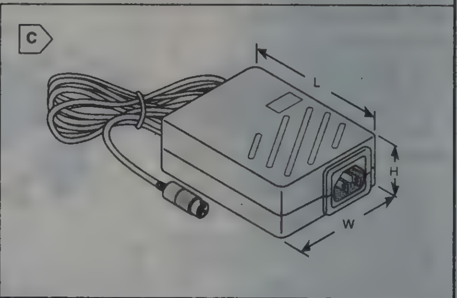
ELPAC Medical AC Adapters

ELPAC POWER SYSTEMS

DIMENSIONS: in.







12 WATT MEDICAL AC ADAPTERS

Specifications:

- Input voltage: 100-240 VAC
- Input connector: IEC 60320 inlet plug
- Output connector: Barrel type (2.5x5.5x9.5mm)
- Color: White
- Available in Black add suffix- BK
- Six foot DC output cord included
- IEC 60601-1

AC Adapter Approvals:

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Regulation		Efficiency	Dimensions: in.			Price Each			
						Line	Load		L	W	H	1	5	10	25
680-MW1212-760	MW1212-760-NC-WH	A	12V	1.0	12W	±1%	±5%	80%	3.35	1.97	1.30	35.78	32.38	28.98	25.56
680-MW1224-760	MW1224-760-NC-WH	A	24V	0.5	12W	±1%	±5%	80%	3.35	1.97	1.30	35.78	32.38	28.98	25.56
North American Power Cord: Hospital Grade - Unshielded (sold separately)															
562-233008-06	233008-06	8ft., 3-Wire, 18AWG, Gray plug hospital grade AC cord										5.07	5.07	4.90	4.61

24 WATT MEDICAL AC ADAPTERS

Specifications:

- Input voltage: 100-240 VAC
- Input connector: 3 pin IEC 320 receptacle
- Output connector: Barrel type (2.5x5.5x9.5mm)
- Color: White
- Available in Black add suffix- BK
- Six foot DC output cord included
- IEC 60601-1

AC Adapter Approvals:

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Regulation		Efficiency	Dimensions: in.			Price Each			
						Line	Load		L	W	H	1	5	10	25
680-MW2412-760	MW2412-760-NC-WH	A	12V	2.0	24W	±1%	±5%	80%	4.25	2.50	1.30	43.50	39.00	36.00	31.00
680-MW2415-760	MW2415-760-NC-WH	A	15V	1.6	24W	±1%	±5%	80%	4.25	2.50	1.30	43.50	39.00	36.00	31.00
680-MW2418-760	MW2418-760-NC-WH	A	18V	1.3	24W	±1%	±5%	80%	4.25	2.50	1.30	43.50	39.00	36.00	31.00
680-MW2424-760	MW2424-760-NC-WH	A	24V	1.0	24W	±1%	±5%	80%	4.25	2.50	1.30	43.50	39.00	36.00	31.00
North American Power Cord: Hospital Grade - Unshielded (sold separately)															
562-233008-06	233008-06	8ft., 3-Wire, 18AWG, Gray plug hospital grade AC cord										5.07	5.07	4.90	4.61

40 WATT MEDICAL AC ADAPTERS

Specifications:

- Input voltage: 100-240 VAC
- Six foot DC output cord included
- Input connector: 3 pin IEC 320 receptacle
- Output connector: Barrel type (2.5x5.5x9.5mm)
- Color: White
- Available in Black add suffix- BK
- CEC Compliant
- IEC 60601-1

AC Adapter Approvals:

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Regulation		Efficiency	Dimensions: in.			Price Each			
						Line	Load		L	W	H	1	5	10	25
680-MW4009-760F	MW4009-760F-NC-WH	A	9V	4.4	40W	±1%	±5%	82%	5.0	3.0	1.3	53.44	48.53	45.97	40.86
680-MW4012-760F	MW4012-760F-NC-WH	A	12V	3.30	40W	±1%	±5%	85%	5.0	3.0	1.3	53.44	48.53	45.97	40.86
680-MW4015-760F	MW4015-760F-NC-WH	A	15V	2.60	40W	±1%	±5%	86%	5.0	3.0	1.3	53.44	48.53	45.97	40.86
680-MW4018-760F	MW4018-760F-NC-WH	A	18V	2.20	40W	±1%	±5%	86%	5.0	3.0	1.3	53.44	48.53	45.97	40.86
680-MW4024-760F	MW4024-760F-NC-WH	A	24V	1.67	40W	±1%	±5%	88%	5.0	3.0	1.3	53.44	48.53	45.97	40.86
North American Power Cord: Hospital Grade - Unshielded (sold separately)															
562-233008-06	233008-06	8ft., 3-Wire, 18AWG, Gray plug hospital grade AC cord										5.07	5.07	4.90	4.61

65 WATT MEDICAL AC ADAPTERS

Specifications:

- Input voltage: 100-240 VAC
- Input connector: IEC 60320 inlet plug
- Output connector: DIN-5 pin circular connector
- Color: White
- Available in Black add suffix- BK
- Four foot DC output cord included
- CEC Compliant
- IEC 60601-1

AC Adapter Approvals:

RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Regulation		Efficiency	Dimensions: in.			Price Each			
						Line	Load		L	W	H	1	5	10	25
680-MW6509-D5F	MW6509-D5F-NC-WH	B	9V	6.3	56W	±1%	±5%	81%	5.07	3.06	1.35	79.33	71.78	64.25	59.49
680-MW6512-D5F	MW6512-D5F-NC-WH	B	12V	5.4	65W	±1%	±5%	83%	5.07	3.06	1.35	79.33	71.78	64.25	59.49
680-MW6515-D5F	MW6515-D5F-NC-WH	B	15V	4.3	65W	±1%	±5%	85%	5.07	3.06	1.35	79.33	71.78	64.25	59.49
680-MW6524-D5F	MW6524-D5F-NC-WH	B	24V	2.7	65W	±1%	±5%	87%	5.07	3.06	1.35	79.33	71.78	64.25	59.49
North American Power Cord: Hospital Grade - Unshielded (sold separately)															
562-233008-06	233008-06	8ft., 3-Wire, 18AWG, Gray plug hospital grade AC cord										5.07	5.07	4.90	4.61

90 WATT MEDICAL AC ADAPTERS

Specifications:

- Input voltage: 90-264 VAC
- Input connector: IEC 60320 inlet plug
- Output connector: DIN-8 pin circular connector
- Color: Black
- Available in White add suffix - WH
- Six foot DC output cord included
- IEC 60601-1

AC Adapter Approvals:

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Elpac Part No.	Fig.	DC Output Voltage	Output Current (A)	Power	Regulation		Efficiency	Dimensions: in.			Price Each			
						Line	Load		L	W	H	1	5	10	25
680-MWP9012-D8-BK	MWP9012-D8-NC-BK	C	12V	7.50	90W	±1%	±5%	90%	5.9	3.3	1.5	165.88	156.77	148.63	141.30
680-MWP9015-D8-BK	MWP9015-D8-NC-BK	C	15V	6.00	90W	±1%	±5%	90%	5.9	3.3	1.5	168.82	159.55	151.26	143.80
680-MWP9018-D8-BK	MWP9018-D8-NC-BK	C	18V	5.00	90W	±1%	±5%	90%	5.9	3.3	1.5	169.76	160.33	151.90	144.30
680-MWP9024-D8-BK	MWP9024-D8-NC-BK	C	24V	3.75	90W	±1%	±5%	90%	5.9	3.3	1.5	163.87	154.77	146.62	139.30
North American Power Cord: Hospital Grade - Unshielded (sold separately)															
562-233008-06	233008-06	8ft., 3-Wire, 18AWG, Gray plug hospital grade AC cord										5.07	5.07	4.90	4.61

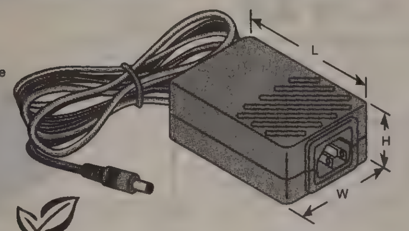
ELPAC AC Adapters and Power Supplies

ELPAC POWER SYSTEMS

SINGLE OUTPUT ADAPTER

Specifications:

- Input voltage: 100-240 VAC
- Input connector: 3 Pin IEC 320 receptacle
- Output connector:
  760: Barrel type (2.5 x 5.5 x 9.5mm center positive)
  D5: 5 Pin DIN male
- Six foot DC output and AC input cord included
- CEC Compliant



RoHS Compliant

DIMENSIONS: in.

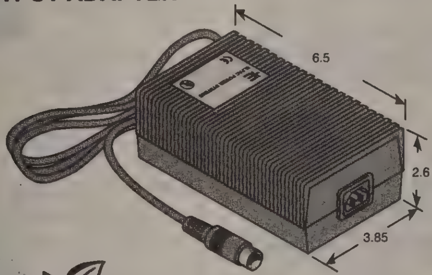
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
18 Watt Adapter (3.35L x 1.97W x 1.3H)								
680—	FW1805-760F	5V	3.00	15W	35.75	30.75	29.49	25.84
680—	FW1812-760F	12V	1.50	18W	35.43	30.75	29.85	25.69
680—	FW1818-760F	18V	1.00	18W	35.20	29.24	29.04	25.63
680—	FW1824-760F	24V	0.75	18W	35.20	30.24	29.04	25.45
30 Watt Adapter (4.25L x 2.5W x 1.3H)								
680—	FWC3009-760F	9V	3.33	30W	52.55	48.17	44.46	42.50
680—	FW3012-760F	12V	2.5	30W	51.60	44.41	42.67	37.46
680—	FWC3012-760F	12V	2.5	30W	52.55	48.17	44.60	42.50
680—	FW3015-760F	15V	2.0	30W	51.60	44.41	42.67	37.46
680—	FWC3015-760F	15V	2.0	30W	52.55	48.17	44.60	42.50
680—	FW3018-760F	18V	1.67	30W	51.6	44.41	42.67	37.46
680—	FWC3018-760F	18V	1.67	30W	52.55	48.17	44.60	42.50
680—	FW3024-760F	24V	1.25	30W	51.6	44.41	42.67	35.46
680—	FWC3024-760F	24V	1.25	30W	52.55	48.17	44.60	42.50
50 Watt Adapters (5.0L x 3.0W x 1.3H)								
680—	FW5012-760F	12V	4.15	50W	59.24	50.94	48.94	42.93
680—	FWC5012-760F	12V	4.15	50W	59.56	54.60	50.40	48.18
680—	FW5018-760F	18V	2.75	50W	59.24	50.94	48.94	42.09
680—	FWC5018-760F	18V	2.75	50W	59.56	54.60	50.40	48.18
680—	FW5024-760F	24V	2.10	50W	59.24	50.94	48.94	42.09
680—	FWC5024-760F	24V	2.10	50W	59.56	54.60	50.40	48.18

SINGLE OUTPUT ADAPTER

Specifications:

- Input voltage: 100-240 VAC
- Input connector: 3 Pin IEC 320 receptacle
- Output connector:
  D5: 5 Pin DIN male
  760: Barrel type (2.5 x 5.5 x 9.5mm)
- Six foot DC output and AC input cord included



RoHS Compliant

DIMENSIONS: in.

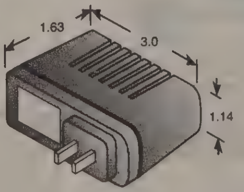
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
72 Watt Adapter								
680—	FW7212-D5F	12V	6.00	72W	74.36	63.58	60.98	53.17
680—	FW7224-D5F	24V	3.00	72W	74.36	63.58	60.98	53.17
680—	FW7224-760F	24V	3.00	72W	74.36	63.58	60.98	53.17

10 WATT SINGLE OUTPUT REGULATED POWER SUPPLIES

Specifications:

- Input voltage: 100-120 VAC
- Input current: 0.25A
- Input connector: 2 Pin NEMA 5/15 plug
- Output connector: Barrel type (2.5 x 5.5 x 9.5mm)
- Six foot DC output cord included



DIMENSIONS: in.

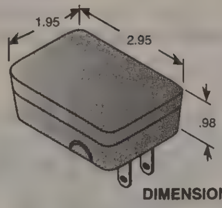
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	WM1005-760	5V	2.0	10W	25.68	23.20	21.09	18.34
680—	WM1012-760	12V	0.8	10W	25.68	23.20	21.09	18.34
680—	WM1024-760	24V	0.4	10W	25.68	23.20	21.09	18.34

12 WATT SINGLE OUTPUT REGULATED POWER SUPPLIES

Specifications:

- Input voltage: 90-132 VAC
- Input current: 0.75A
- Input connector: 2 Pin NEMA 5/15 plug
- Output connector: Barrel type (2.5 x 5.5 x 9.5mm center positive)
- Six foot DC output cord included



DIMENSIONS: in.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	WP1205-760	5V	2.40	12W	32.50	27.85	26.69	23.21
680—	WP1212-760	12V	1.00	12W	32.50	27.85	26.69	23.21
680—	WP1224-760	24V	0.50	12W	32.50	27.85	26.69	23.21

MULTIPLE OUTPUT REGULATED POWER SUPPLIES

Wallmount Version

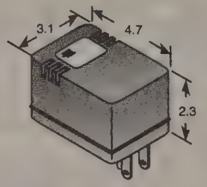
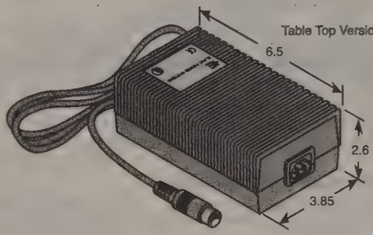


Table Top Version



1012 1950 950

Specifications:

- Output connector: 5 Pin DIN
- Six foot DC output and AC input cords included

DIMENSIONS: in.

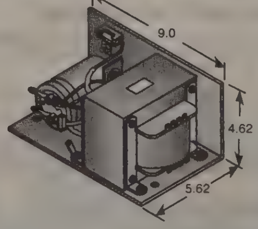
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
Wallmount								
680—	WM071-1950-D5	+15V, -15V	0.24, 0.24	7.5W	36.00	34.00	32.95	30.00
680—	WM063-1950-D5	+5V, +12V -12V	0.6, 0.16 0.16	6.3W	41.00	36.00	33.90	29.29
680—	WM113-D5	+5V, +12V -12V	0.86, 0.3 0.3	11.3W	48.00	42.20	40.36	36.40
Table Top								
680—	WM220-1	+5V, +12V -12V	2.0, 0.5 0.5	22W	117.68	107.95	99.55	85.75
680—	WRI2731-D5	+5V, +12V -12V	3.0, 0.5 0.5	27W	128.00	109.72	105.14	91.43
680—	W4231-D5	+5V +12V -12V	3.00 2.50 0.50	42W	138.00	118.28	113.36	98.57
680—	WRI4231-D5	+5V, +12V -12V	3.0, 2.5 0.5	42W	124.00	106.28	101.86	88.57
680—	WRI4232-D5	+5V, +12V -12V	4.8, 1.5 0.5	42W	124.00	106.28	101.86	88.57

UNREGULATED LINEAR POWER SUPPLIES

Specifications:

- Isolated output for positive or negative operation
- Full rated output from 0 to +40°C
- Electrostatically-shielded transformer
- Selectable input terminations
- Standard input: 105/115/125 VAC, 47-400Hz
- Open frame
- Transformer lug input connector



DIMENSIONS: in.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Output Voltage	Current (A)	Power	Price Each			
Mfr.	Mfr. Part No.				1	5	10	25
680—	BFS200-12	12V	15	200W	220.00	209.00	198.00	176.00
680—	BFS500-24	24V	20.0	500W	272.00	258.40	244.80	217.60

PHIHONG Interchangeable Plug Adapters

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz

Features:
- Field changeable AC plugs (sold separately)

2.5 WATT USB ADAPTER

- Efficiency: 55% typical
- USB socket (cable not included)
- Universal input
- ECOC compliance
- Low leakage current
- <0.3W no load consumption
- CEC Compliant:
  Efficiency Level IV

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSC-03R-050-R	PSC03R-050-R	A	5V	0A	0.5A	55mV	±5%	14.51	13.18	11.84	10.71

5 WATT USB ADAPTER

- Efficiency: 62% min.
- USB socket (cable not included)
- CEC Compliant:
  Efficiency Level IV
- No load power consumption <0.3W
- Low leakage current
- UL 94 Vo Flammibility

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSB-05R-050Q-R	PSB05R-050Q(A)-R	A	5V	0A	1A	55mV	±5%	15.43	13.89	12.50	11.92

5 WATT ADAPTERS

- Efficiency: 60% minimum
- Output connector: 2.1x5.5mm Center positive
- Double insulated
- 6 foot DC cord included
- Class B EMI
- CEC Compliant:
  3.3V, 12V: Efficiency Level IV 115VAC
  5V, 9V: Efficiency Level IV

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation		Price Each			
				Min.	Max.		Line	Load	1	5	25	100
552-PSA-05R-033-R	PSA05R-033-R	B	3.3V	0A	1.2A	50mV	±1%	±5%	12.82	11.59	10.45	9.39
552-PSA-05R-050-R	PSA05R-050-R	B	5V	0A	1A	50mV	±1%	±5%	12.82	11.59	10.45	9.39
552-PSA-05R-090-R	PSA05R-090-R	B	9V	0A	0.56A	90mV	±1%	±5%	12.82	11.59	10.45	9.39
552-PSA-05R-120-R	PSA05R-120-R	B	12V	0A	0.42A	120mV	±1%	±5%	12.82	11.59	10.45	9.39

10 WATT ADAPTERS

- Efficiency: 65%-70% minimum
- Output connector: 2.1x5.5mm
  Center positive
- Class B EMI
- 6 foot DC cord included
- Double insulated
- No load power consumption < 0.3 Watt
- ECOC Compliance
- CEC Compliant:
  12V: Efficiency Level IV 115VAC
  5V, 9V: Efficiency Level IV

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSM-11R-050-R	PSM11R-050-R	B	5V	0A	2A	100mV	±5%	14.39	13.24	12.42	11.27
552-PSM-11R-090-R	PSM11R-090-R	B	9V	0A	1.12A	100mV	±5%	14.39	13.24	12.42	11.27
552-PSM-11R-120-R	PSM11R-120-R	B	12V	0A	0.84A	120mV	±5%	14.39	13.24	12.42	11.27

15 WATT ADAPTERS

- Efficiency: 70% typical
- Output connector: 2.1x5.5mm Center positive
- Limited Power Source
- 6 foot DC cord included
- Class B EMI
- Class II double insulated
- No load power
  consumption < 0.5 Watt
- CEC Compliant:
  5V: Efficiency Level IV 115VAC
  9V-48V: Efficiency Level IV

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSA-15R-050-R	PSA15R-050-R	B	5V	0A	3.00A	50mV	±5%	17.54	16.06	14.73	13.70
552-PSA-15R-090-R	PSA15R-090-R	B	9V	0A	1.66A	90mV	±5%	17.54	16.06	14.73	13.70
552-PSA-15R-120-R	PSA15R-120-R	B	12V	0A	1.25A	120mV	±5%	17.54	16.06	14.73	13.70
552-PSA-15R-150-R	PSA15R-150-R	B	15V	0A	1.00A	150mV	±5%	17.54	16.06	14.73	13.70
552-PSA-15R-240-R	PSA15R-240-R	B	24V	0A	0.62A	240mV	±5%	17.54	16.06	14.73	13.70
552-PSA-15R-480-R	PSA15R-480-R	B	48V	0A	0.31A	480mV	±5%	17.54	16.06	14.73	13.70

20 WATT ADAPTERS

NEW FROM SUPPLIER

- Efficiency: 88% min. @max. load
  (varies in voltage)
- Output connector: 2.1x5.5mm Center positive
- 6 foot DC cord included
- Limited power source
- Class B EMI
- Class II double insulated
- No-load power saving
- CEC Compliant:
  Efficiency Level IV

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation		Price Each			
				Min.	Max.		Line	Load	1	5	25	100
552-PSC-20R-120-R	PSC20R-120-R	B	12V	0A	1.67A	120mV	±1%	±5%	22.47	20.43	18.84	17.14
552-PSC-20R-240-R	PSC20R-240-R	B	24V	0A	0.83A	240mV	±1%	±5%	22.47	20.43	18.84	17.14

30 WATT ADAPTERS

NEW FROM SUPPLIER

- Efficiency: 80% min. @max. load (varies in voltage)
- Output connector: 2.1x5.5mm Center positive
- 6 foot DC cord included
- Limited power source
- Class B EMI
- Class II double insulated
- No-load power saving
- CEC Compliant:
  Efficiency Level IV

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation		Price Each			
				Min.	Max.		Line	Load	1	5	25	100
552-PSC-30R-120-R	PSC30R-120-R	B	12V	0A	2.50A	120mV	±1%	±5%	28.08	25.53	23.55	22.05
552-PSC-30R-240-R	PSC30R-240-R	B	24V	0A	1.25A	240mV	±1%	±5%	28.08	25.53	23.55	22.05

R-SERIES AC Plugs

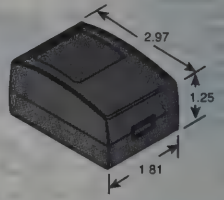
(Adapters sold separately)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Description	Price Each			
				1	5	25	100
552-RPA-R	RPA-R	C	USA Plug	.59	.55	.53	.50
552-RPE-R	RPE-R	D	European Plug	.67	.63	.60	.57
552-RPK-R	RPK-R	E	UK Plug	1.08	1.01	.98	.95
552-RPS-R	RPS-R	F	Australian Plug	1.20	1.05	1.02	.99
552-RPKIT-R	RPBAG-R	- -	Kit w/ 4 plugs	3.45	3.00	2.69	2.41

DIMENSIONS: in.

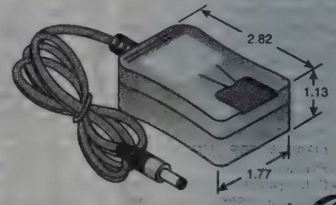
A



- Plugs sold separately

RoHS Compliant

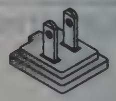
B



- Plugs sold separately

RoHS Compliant

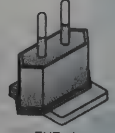
C



USA plug

RoHS Compliant

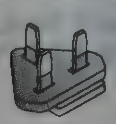
D



EUR plug

RoHS Compliant

E



UK plug

RoHS Compliant

F

AUST plug

RoHS Compliant

PHIHONG AC Adapters and Power Over Ethernet Adapters

PHIHONG PSM04A 4 WATT FLIP PLUG ADAPTER

Specifications:
- AC input voltage: 90-264 VAC
- AC frequency: 47-63 Hz
- Output Connector: 2.1x5.5mm, center positive

Features:
- No load power consumption < 0.5 Watt
- Flip plug design
- 6 foot DC cord included
- Low leakage current
- Short circuit protection
- CEC Compliant: Efficiency Level IV 115VAC

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P (max)	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSM-04A-050-R	PSM04A-050-R(STD)	A	5V	0A	0.75A	55mV	±5%	**10.60**	**9.66**	**9.09**	**8.34**

PHIHONG PSAA05X 5 WATT WALL PLUG-IN ADAPTER

Specifications:
- AC input voltage: 90-264VAC
- Efficiency: 65%
- Output connector: Mini USB

Features:
- Double insulated
- Low leakage current
- Class B EMI
- CEC Compliant: Efficiency Level IV

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P (max)	Regulat. L-L	Version	Price Each			
				Min.	Max.				1	5	25	100
552-PSA-A05A-050-R	PSAA05A-050-R	B	5.15V	0A	1A	100mV	±5%	US	**7.98**	**7.18**	**6.96**	**6.54**

PHIHONG PSA16U 15.4 WATT POWER OVER ETHERNET ADAPTER

Specifications:
- AC input voltage: 90-264 VAC
- AC frequency: 47-63 Hz
- Efficiency: 65% typical

Features:
- Non-vented case
- IOL test report
- Diagnostic LEDs
- Data & power carried over one Ethernet cable
- IEEE 802.3af Compliant
- Full protection OTP, OCP, OVP

POE Approvals

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Regulation L-L	Price Each			
				Min.	Max.		1	5	25	100
552-PSA-16U-480-R	PSA16U-480-R(POE)	C	48V	0A	0.35A	±4%	**26.00**	**25.00**	**24.00**	**23.06**
AC Input Cord (sold separately)		Description								
552-AC30UNA-R	AC30UNA-R	5 ft. 7 in. 3-wire AC cord - US version					**4.10**	**3.75**	**3.30**	**2.90**

PHIHONG POE20U/30U 19.6-30 WATT POWER OVER ETHERNET ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 65% (typical) @ Max. load, & 120VAC 60Hz

Features:
- Fully compliant detection, disconnect, over load & voltage control IEEE802.3af
- Diagnostic LEDs
- Non-vented case
- UNH IOL Test Report
- Full protection OCP, OVP
- Gigabit compatible

POE Adapter Approvals

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Regulation L-L	Price Each			
				Min.	Max.		1	5	25	100
552-POE-20U-560-R	POE20U-560(G)-R	C	56V	0A	0.35A	54-57Vdc	**29.94**	**28.64**	**27.79**	**26.60**
552-POE-30U-560-R	POE30U-560(G)-R	C	56V	0A	0.55A	54-57Vdc	**39.95**	**37.70**	**36.19**	**34.78**
AC Input Cord (sold separately)		Description								
552-AC30UNA-R	AC30UNA-R	5 ft. 7 in. 3-wire AC cord - US version					**4.10**	**3.75**	**3.30**	**2.90**

PHIHONG PSAA15W 15 WATT SINGLE OUTPUT SERIES

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 70-80% min.
- Output connector: 2.1x5.5mm, center positive

Features:
- Class B EMI
- CEC Compliant: Efficiency Level IV
- 6 foot DC cord included
- No load power consumption <0.5W
- <0.25mA leakage current

AC Adapter Approvals

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P (max)	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSA-A15W-050-R	PSAA15W-050-R	D	5V	0A	3A	70mV	±5%	**20.71**	**18.91**	**17.48**	**15.87**
552-PSA-A15W-120-R	PSAA15W-120-R	D	12V	0A	1.25A	120mV	±5%	**20.71**	**18.91**	**17.48**	**15.87**
552-PSA-A15W-240-R	PSAA15W-240-R	D	24V	0A	0.63A	240mV	±5%	**20.71**	**18.91**	**17.48**	**15.87**
AC Input Cord (sold separately)		Description									
552-AC15WNA-R	AC15WNA-R	6 ft. 2-wire AC cord - US version						**2.40**	**2.16**	**1.97**	**1.84**
552-AC15WEU-R	AC15WEU-R	5 ft. 7 in. 2-wire AC cord - European version						**2.80**	**2.52**	**2.30**	**2.15**
552-AC15WUK-R	AC15WUK-R	5 ft. 7 in. 2-wire AC cord - UK version						**6.87**	**6.18**	**5.64**	**5.27**

PHIHONG PSA18U 18 WATT IEC320 C14 INPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 70% typical
- Output connector: 2.1 x 5.5mm center positive

Features:
- Light weight
- Low profile design
- 5 foot DC cord included
- Class B EMI
- Non-vented/ spill-proof case

AC Adapter Approvals

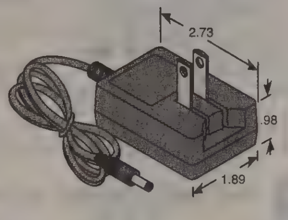
RoHS Compliant

For quantities of 250 and up, call for quote.

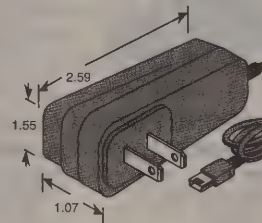
MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P (max)	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSA-18U-033-R	PSA18U-033-R	E	3.3V	0A	4A	50mV	±5%	**23.87**	**21.70**	**19.95**	**18.28**
552-PSA-18U-050-R	PSA18U-050-R	E	5V	0A	3A	50mV	±5%	**23.87**	**21.70**	**19.95**	**18.28**
552-PSA-18U-090-R	PSA18U-090-R	E	9V	0A	2A	100mV	±5%	**23.87**	**21.70**	**19.95**	**17.15**
552-PSA-18U-120-R	PSA18U-120-R	E	12V	0A	1.5A	120mV	±5%	**25.20**	**21.70**	**19.95**	**17.15**
AC Input Cord (sold separately)		Description									
552-AC30UNA-R	AC30UNA-R	5 ft. 7 in. 3-wire AC cord - US version						**4.10**	**3.75**	**3.30**	**2.90**

DIMENSIONS: in.

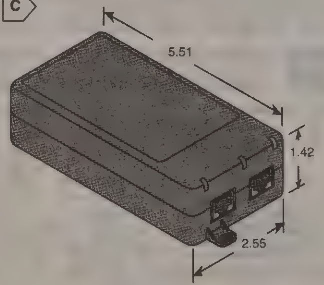
A



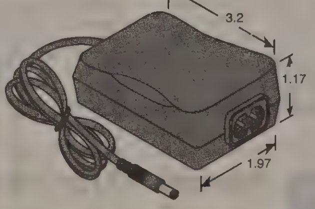
B



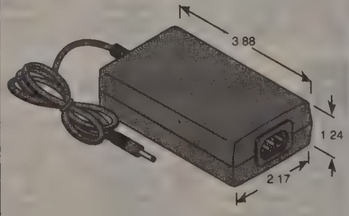
C



D



E



PHIHONG AC Adapters and Power Supply Cords

PHIHONG PSC30U 20-30 WATT UNIVERSAL 3-WIRE INPUT SINGLE OUTPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 80% typical
- Output Connector: 2.1x5.5mm, center positive

Features:
- CEC Compliant:
  5V: Efficiency Level IV 115VAC
  12V, 24V, 48V: Efficiency Level IV
- Class B EMI
- 6 foot DC cord included
- No load power consumption <0.75W
- Non-vented/Spill-proof Case
- Low profile design

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P (max)	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSC-30U-050-R	PSC30U-050-R	A	5V	0A	4A	50mV	±5%	27.85	25.29	23.75	22.33
552-PSC-30U-120-R	PSC30U-120-R	A	12V	0A	2.5A	120mV	±5%	27.85	25.29	23.75	22.33
552-PSC-30U-240-R	PSC30U-240-R	A	24V	0A	1.25A	240mV	±5%	27.85	25.29	23.75	22.33
552-PSC-30U-480-R	PSC30U-480-R	A	48V	0A	0.625A	240mV	±5%	27.85	25.29	23.75	22.33

PHIHONG PSA45U 38 WATT MULTIPLE OUTPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 70% typical
- Output Connector: 5P DIN 180°, male

Features:
- Built-in EMI filter Class B
- Compact size
- 4 foot DC cord included
- Over voltage & short circuit protection

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation		Price Each			
				Min.	Max.		Line	Load	1	5	25	100
552-PSA-45U-201-R	PSA45U-201-R	B	5V 12V	0.3A 0.2A	4A 1.5A	50mV 120mV	±1% ±1%	±5% ±5%	41.14	37.40	34.60	31.48

PHIHONG PSC60W 60 WATT TWO WIRE UNIVERSAL INPUT ADAPTERS

Specifications:
- AC input Voltage: 90-264VAC
- AC frequency: 40/50Hz
- Efficiency: 80% typical
- Output connector: 2.1x5.5mm, center positive

Features:
- CEC Compliant:
  12V: Efficiency Level III 115VAC
  24V: Efficiency Level IV 115VAC
- Class B EMI
- Non-vented/spill-proof case
- Low profile design
- No load power consumption <0.75W
- 4 foot DC cord includeded

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P (max)	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSC-60W-120-R	PSC60W-120-R	C	12V	0A	5A	120mV	±5%	36.92	33.71	31.06	29.19
552-PSC-60W-240-R	PSC60W-240-R	C	24V	0A	2.5A	240mV	±5%	36.92	33.71	31.06	29.19

PHIHONG PSC60M 60 WATT THREE WIRE UNIVERSAL INPUT ADAPTERS

Specifications:
- AC input Voltage: 90-264VAC
- AC frequency: 40/50Hz
- Efficiency: 80% typical
- Output connector: 2.1x5.5mm, center positive

Features:
- CEC Compliant:
  12V: Efficiency Level III
  24V: Efficiency Level IV 115VAC
- Class B EMI
- Non-vented/spill-proof case
- Low profile design
- No load power consumption <0.75W
- 4 foot DC cord includeded

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P (max)	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSC-60M-120-R	PSC60M-120-R	D	12V	0A	5A	120mV	±5%	39.87	36.25	33.43	31.32
552-PSC-60M-240-R	PSC60M-240-R	D	24V	0A	2.5A	240mV	±5%	39.87	36.25	33.43	31.32

PHIHONG PSA65U 60 WATT TRIPLE OUTPUT ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 75% typical
- Output connector: 8p DIN

Features:
- Class B EMI
- IEC320 C14 ground input
- 6 foot DC cord included
- Non-vented/spill-proof case

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P (max)	Regulation L-L	Price Each			
				Min.	Max.			1	5	25	100
552-PSA-65U-301-R	PSA65U-301-R	E	5V 12V -12V	0.2A 0.2A 0A	6A 2A 0.5A	50mV 120mV 120mV	±5% ±5% ±5%	52.43	47.75	44.25	40.35

PHIHONG PSA150U 130 WATT SWITCHING ADAPTERS

Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Efficiency: 85% typical

Features:
- Output connector: snap and lock 4p; 806-KPJ-X4S
- Class B EMI compliant
- 5 foot DC cord included

RoHS Compliant

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation		Price Each			
				Min.	Max.		Line	Load	1	5	25	100
552-PSA-150U-240-R	PSA150U-240-R	F	24V	0A	5.4A	240mV	±1%	±5%	105.48	98.63	90.78	84.00

PHIHONG POWER SUPPLY AC CORDS

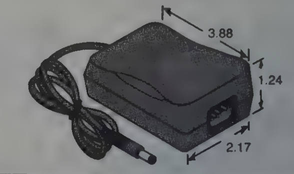
RoHS Compliant

For quantities of 250 and up, call for quote.

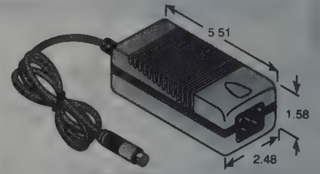
MOUSER STOCK NO.	Phihong Part No.	Fig.	Length	Description	Price Each			
					1	5	25	100
552-AC15WNA-R	AC15WNA-R	G	6 ft.	2-wire AC Cord - US version	2.00	1.80	1.60	1.50
552-AC15WEU-R	AC15WEU-R	H	5 ft. 7 in.	2-wire AC Cord - European version	2.00	1.80	1.60	1.50
552-AC15WUK-R	AC15WUK-R	I	5 ft. 7 in.	2-wire AC Cord - UK version	5.00	4.50	4.20	3.90
552-AC30UNA-R	AC30UNA-R	J	5 ft. 7 in.	3-wire AC Cord - US version	4.10	3.75	3.30	2.90
552-AC30MNA-R	AC30MNA-R	K	6 ft.	3-wire AC Cord - US version	4.62	4.16	3.70	3.47

DIMENSIONS: In.

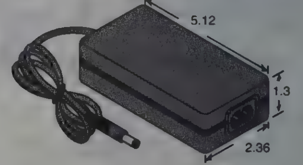
A



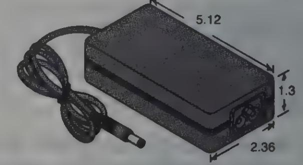
B



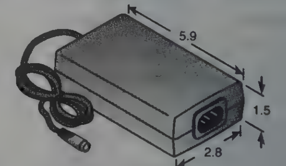
C



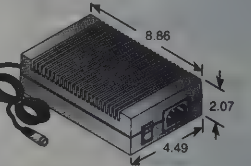
D



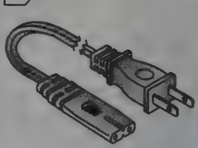
E



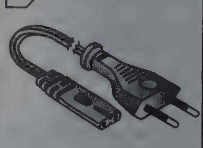
F



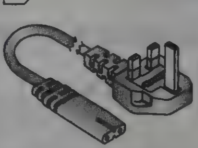
G



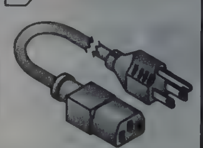
H



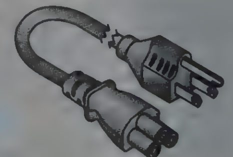
I



J



K



NEW PRODUCT

Unregulated AC Adapters

PLA SERIES WALL PLUG-IN ADAPTERS

PHIHONG

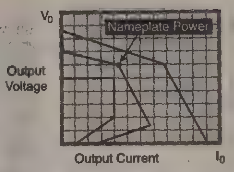
Specifications:
- AC input voltage: 90-264VAC
- AC frequency: 47-63Hz
- Output connector: 2.1x5.5mm, center positive

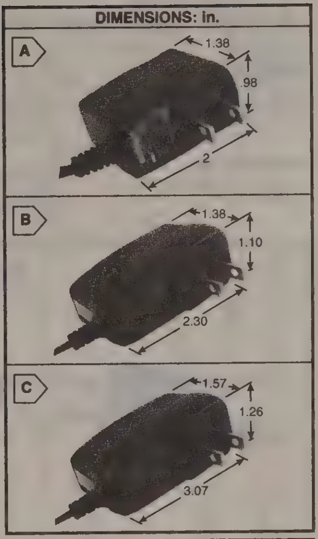
Features:
- CEC compliant Tier IV
- RoHS compliant
- Double insulated
- High efficiency
- Zero Minimum Load
- Short circuit protected
- 6 foot DC cord included

NEW FROM SUPPLIER

CEC c UL us LISTED

RoHS Compliant



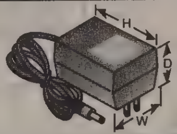


For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Phihong Part No.	Fig.	Output Voltage	Load		Ripple P-P	Regulation		Price Each			
				Minimum	Maximum		Line	Load	1	5	25	100
1.3 Watt Adapter												
552-PLA01A-050-R	PLA01A-050-R	A	5V	0A	0.26A	150mV	+40/-20%	+80/-20%	**6.39**	**5.96**	**5.50**	**5.11**
552-PLA01A-090-R	PLA01A-090-R	A	9V	0A	0.14A	150mV	+28/-23%	+45/-23%	**6.39**	**5.96**	**5.50**	**5.11**
552-PLA01A-120-R	PLA01A-120-R	A	12V	0A	0.10A	150mV	+25/-17%	+42/-17%	**6.39**	**5.96**	**5.50**	**5.11**
2.0 Watt Adapter												
552-PLA02A-050-R	PLA02A-050-R	A	5V	0A	0.40A	250mV	+40/-20%	+80/-20%	**6.75**	**6.30**	**5.82**	**5.40**
552-PLA02A-090-R	PLA02A-090-R	A	9V	0A	0.22A	250mV	+28/-23%	+45/-23%	**6.75**	**6.30**	**5.82**	**5.40**
552-PLA02A-120-R	PLA02A-120-R	A	12V	0A	0.16A	250mV	+25/-17%	+42/-17%	**6.75**	**6.30**	**5.82**	**5.40**
3.0 Watt Adapter												
552-PLA03A-050-R	PLA03A-050-R	B	5V	0A	0.60A	250mV	+40/-20%	+80/-20%	**7.38**	**6.89**	**6.36**	**5.90**
552-PLA03A-090-R	PLA03A-090-R	B	9V	0A	0.33A	250mV	+28/-23%	+45/-23%	**7.38**	**6.89**	**6.36**	**5.90**
552-PLA03A-120-R	PLA03A-120-R	B	12V	0A	0.25A	250mV	+25/-17%	+42/-17%	**7.38**	**6.89**	**6.36**	**5.90**
5.0 Watt Adapter												
552-PLA05A-050-R	PLA05A-050-R	C	5V	0A	1.00A	300mV	+10/-5%	+20/-10%	**7.92**	**7.39**	**6.82**	**6.34**
552-PLA05A-090-R	PLA05A-090-R	C	9V	0A	0.55A	300mV	+10/-5%	+20/-10%	**7.92**	**7.39**	**6.82**	**6.34**
552-PLA05A-120-R	PLA05A-120-R	C	12V	0A	0.42A	300mV	+10/-5%	+20/-10%	**7.92**	**7.39**	**6.82**	**6.34**

TRIAD WALL PLUG-IN ADAPTERS

Triad wall plug-in power supplies eliminate the need for internal power supply cooling devices, thereby reducing the noise level, size and weight of the end product. These parts are available in AC/AC or AC/DC unregulated models with generous six foot cord lengths with 2.1X5.5 mm output connector. Available in 60Hz only.



UL

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Triad Part No.	Input		Output		Dimensions: mm			Price Each			
		VAC	Watts	VAC	Amps	H	W	D	1	10	25	50
WAU AC/AC Series												
553-WAU12-200	WAU12-200	120	4.0	12	0.2	60	43	39	5.86	5.28	4.75	4.36
553-WAU12-500	WAU12-500	120	8.8	12	0.5	70	50	41	7.08	6.38	5.74	5.26
553-WAU12-1000	WAU12-1000	120	17.0	12	1.0	70	50	41	10.83	9.76	8.79	8.05
553-WAU12-1500	WAU12-1500	120	12.0	12	1.5	80	60	48	10.26	9.24	8.32	7.62
553-WAU12-2000	WAU12-2000	120	33.0	12	2.0	80	60	48	9.70	8.74	7.87	7.21
553-WAU12-2500	WAU12-2500	120	38.0	12	2.5	85	68	55	11.72	10.56	9.50	8.71
553-WAU16-400	WAU16-400	120	9.0	16	0.4	70	50	41	7.08	6.38	5.74	5.26
553-WAU16-500	WAU16-500	120	11.2	16	0.5	80	60	48	8.75	7.88	7.09	6.50
553-WAU16-1000	WAU16-1000	120	21.5	16	1.0	80	60	48	9.70	8.74	7.87	7.21
553-WAU16-2400	WAU16-2400	120	47.0	16	2.4	85	68	55	17.03	15.34	13.81	12.66
553-WAU20-200	WAU20-200	120	6.0	20	0.2	70	50	41	7.08	6.38	5.74	5.26
553-WAU20-500	WAU20-500	120	13.5	20	0.5	80	60	48	9.12	8.22	7.40	6.78
553-WAU20-2000	WAU20-2000	120	48.0	20	2.0	85	68	55	29.66	26.72	24.05	22.04
553-WAU24-200	WAU24-200	120	7.2	24	0.2	70	50	41	7.08	6.38	5.74	5.26
553-WAU24-450	WAU24-450	120	15.0	24	0.5	70	50	41	7.70	6.94	6.25	5.73
553-WAU24-750	WAU24-750	120	23.5	24	0.8	80	60	48	7.70	6.94	6.25	5.73
553-WAU24-1000	WAU24-1000	120	32.0	24	1.0	80	60	48	10.83	9.76	8.78	8.05
553-WAU24-1800	WAU24-1800	120	52.2	24	1.8	85	68	55	29.99	27.02	24.32	22.29
WDU AC/DC Series												
553-WDU6-200	WDU6-200	120	3.0	6	0.20	60	43	39	6.44	5.80	5.22	4.79
553-WDU6-300	WDU6-300	120	4.5	6	0.30	60	43	39	5.54	5.28	5.16	4.84
553-WDU6-600	WDU6-600	120	7.5	6	0.60	70	50	41	7.07	6.73	6.59	6.18
553-WDU6-800	WDU6-800	120	10.0	6	0.80	70	50	41	7.07	6.73	6.59	6.18
553-WDU6-1000	WDU6-1000	120	12.0	6	1.00	70	50	41	9.28	8.85	8.65	8.12
553-WDU6-1200	WDU6-1200	120	15.0	6	1.20	70	50	41	9.28	8.85	8.65	8.12
553-WDU75-200	WDU75-200	120	3.5	7.5	0.20	60	43	39	6.44	5.80	5.22	4.79
553-WDU75-300	WDU75-300	120	4.5	7.5	0.30	60	43	39	5.54	5.28	5.16	4.84
553-WDU75-800	WDU75-800	120	11.5	7.5	0.80	70	50	41	10.79	9.72	8.75	8.02
553-WDU9-100	WDU9-100	120	2.3	9	0.10	60	50	41	5.54	5.28	5.16	4.84
553-WDU9-300	WDU9-300	120	5.0	9	0.30	60	43	39	5.54	5.28	5.16	4.84
553-WDU9-500	WDU9-500	120	18.5	9	0.50	70	50	41	7.07	6.73	6.59	6.18
553-WDU9-1000	WDU9-1000	120	15.5	9	1.00	80	60	48	9.28	8.85	8.65	8.12
553-WDU9-1200	WDU9-1200	120	18.5	9	1.20	80	60	48	9.28	8.85	8.65	8.12
553-WDU9-2300	WDU9-2300	120	33.0	9	2.30	85	68	55	22.47	20.24	18.22	16.70
553-WDU12-100	WDU12-100	120	2.8	12	0.10	60	43	39	5.54	5.28	5.16	4.84
553-WDU12-300	WDU12-300	120	6.5	12	0.30	70	50	41	7.07	6.73	6.59	6.18
553-WDU12-600	WDU12-600	120	12.5	12	0.60	80	60	48	9.28	8.85	8.65	8.12
553-WDU12-1200	WDU12-1200	120	23.5	12	1.20	80	60	48	9.53	9.08	8.88	8.33
553-WDU12-1900	WDU12-1900	120	33.0	12	1.90	85	68	55	24.69	22.24	20.02	18.35
553-WDU15-200	WDU15-200	120	5.0	15	0.20	60	43	39	7.07	6.73	6.59	6.18
553-WDU15-600	WDU15-600	120	15.0	15	0.60	80	60	48	9.53	9.08	8.88	8.33
553-WDU15-1000	WDU15-1000	120	24.0	15	1.00	80	60	48	10.18	9.70	9.49	8.90
553-WDU15-1700	WDU15-1700	120	37.0	15	1.70	85	68	55	22.47	20.24	18.22	16.70
553-WDU18-200	WDU18-200	120	6.5	18	0.20	70	50	41	8.21	7.40	6.66	6.11
553-WDU18-300	WDU18-300	120	9.0	18	0.30	70	50	41	8.21	7.40	6.66	6.11
553-WDU18-600	WDU18-600	120	17.0	18	0.60	80	60	48	9.28	8.85	8.65	8.12
553-WDU18-1000	WDU18-1000	120	27.5	18	1.00	80	60	48	10.18	9.70	9.49	8.90
553-WDU18-1400	WDU18-1400	120	34.0	18	1.40	85	68	55	22.47	20.24	18.22	16.70
553-WDU24-200	WDU24-200	120	9.0	24	0.20	60	43	39	6.44	5.80	5.22	4.79
553-WDU24-300	WDU24-300	120	11.8	24	0.30	70	50	41	8.66	7.80	7.02	6.44
553-WDU24-500	WDU24-500	120	18.0	24	0.50	80	60	48	10.79	9.72	8.75	8.02
553-WDU24-800	WDU24-800	120	28.5	24	0.80	80	60	48	11.83	10.66	9.59	8.79
553-WDU24-1200	WDU24-1200	120	38.0	24	1.20	85	68	55	22.47	20.24	18.22	16.70

XICON AC Adapters

SWITCHING ADAPTERS

RoHS Compliant

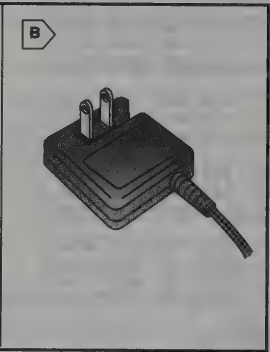
Features:

- Input Voltage: 100-120VAC, 50/60Hz
- Load Regulation: ±5%
- Over Voltage Protection: 120% Min.
- Over Current Protection: 120% Min.
- Short Protection: Auto Recovery
- Efficiency: 70% Min.
- Super mini size
- Light and convenient plug-in

Applications:

- Lithium Ion Battery Charger
- Digital Camera
- CD-ROM and Hub
- Communication Terminals
- Any Portable Device or Machine

E224056



Slim Line Adapters (45.5L x 33W x 23.5H mm)

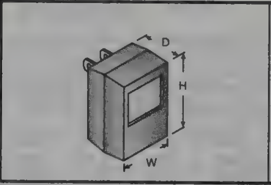
For quantities greater than listed, call for quote.

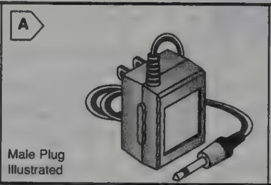
MOUSER STOCK NO.	Fig.	Output Voltage	Output Current	Output Connector	Price Each			
					1	5	25	100
419-10320-3	A	3.0V	2.0A	2.1x5.5mm	24.09	21.90	19.91	18.10
419-13320-3	A	3.3V	2.0A	2.1x5.5mm	24.09	21.90	19.91	18.10
419-10416-3	A	4.5V	1.6A	2.1x5.5mm	24.09	21.90	19.91	18.10
419-10520-1	A	5.0V	2.0A	1.35x3.8mm	24.09	21.90	19.91	18.10
419-10520-2	A	5.0V	2.0A	1.7x4.75mm	24.09	21.90	19.91	18.10
419-10520-3	A	5.0V	2.0A	2.1x5.5mm	24.09	21.90	19.91	18.10
419-10520-4	A	5.0V	2.0A	2.5x5.5mm	24.09	21.90	19.91	18.10
419-10618-3	A	6.0V	1.8A	2.1x5.5mm	24.09	21.90	19.91	18.10
419-10913-3	A	9.0V	1.3A	2.1x5.5mm	24.09	21.90	19.91	18.10
419-11210-3	A	12.0V	1.0A	2.1x5.5mm	24.09	21.90	19.91	18.10
419-11508-3	A	15.0V	0.8A	2.1x5.5mm	24.09	21.90	19.91	18.10

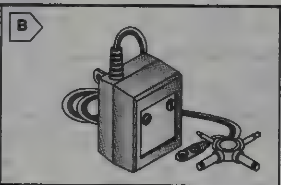
Flip Plug Adapters (53L x 47.5W x 25.3H mm)

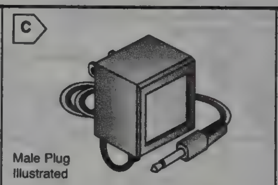
For quantities greater than listed, call for quote.

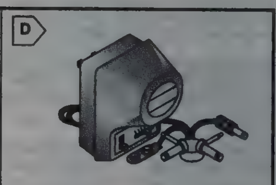
MOUSER STOCK NO.	Fig.	Output Voltage	Output Current	Output Connector	Price Each			
					1	5	25	100
419-20320-3	B	3.0V	2.0A	2.1x5.5mm	24.58	22.35	20.31	18.47
419-20520-2	B	5.0V	2.0A	1.7x4.75mm	24.58	22.35	20.31	18.47
419-20520-3	B	5.0V	2.0A	2.1x5.5mm	24.58	22.35	20.31	18.47
419-20520-4	B	5.0V	2.0A	2.5x5.5mm	24.58	22.35	20.31	18.47
419-20618-3	B	6.0V	1.8A	2.1x5.5mm	24.58	22.35	20.31	18.47
419-20913-3	B	9.0V	1.3A	2.1x5.5mm	24.58	22.35	20.31	18.47
419-21210-3	B	12.0V	1.0A	2.1x5.5mm	24.58	22.35	20.31	18.47











Features:

- Current ratings to 1.5A
- All DC connectors are positive (+) center pin except universals which are selectable
- Plugs into standard 115V outlet
- 72" output cord with molded termination
- Unregulated

AC TO DC (STANDARD)

∗ 110/220VAC Input

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Rating (mA)	Dimensions: in.			Output Connector	Price Each		
			H	W	D		1	10	50
41AC106	A	6VDC/100mA	2.20	1.75	1.45	3.5mm phone plug	4.49	3.75	3.41
41AC115	A	6VDC/200mA	2.37	2.00	1.70	3.5mm phone plug	4.49	3.75	3.41
41AC109	A	9VDC/100mA	2.20	1.75	1.45	3.5mm phone plug	4.49	3.75	3.41
41AC114	A	9VDC/200mA	2.37	2.00	1.70	3.5mm phone plug	6.29	5.19	4.75
41AC119	A	12VDC/100mA	2.20	1.75	1.45	Stripped and tinned	6.29	5.19	4.75
41AC112	A	12VDC/100mA	2.20	1.75	1.45	2.5mm phone plug	6.29	5.19	4.75
41AC113	A	12VDC/200mA	2.37	2.00	1.70	2.5mm phone plug	6.29	5.19	4.75
∗41AC116	B	Universal 3, 4.5,6,9, and 12VDC/300mA	2.30	2.00	1.70	5 way: 2.5mm 3.5mm phone plug, 2.1mm x 5.0mm, 2.5 x 5.5mm female 9VDC batt. snap	6.91	5.77	5.25

AC TO DC (UL APPROVED)

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Output Rating (mA)	Dimensions: in.			Output Connector	Price Each		
			H	W	D		1	10	50
412-106021	C	6VDC/200mA	2.3	1.70	1.65	3.5mm phone plug	5.99	5.52	4.95
412-106054	C	6VDC/500mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	5.99	5.52	4.95
412-106084	C	6VDC/800mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	8.19	7.46	6.78
412-106104	C	6VDC/1A	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	8.19	7.46	6.78
412-109011	C	9VDC/100mA	2.3	1.70	1.65	3.5mm phone plug	5.40	5.15	4.73
412-109024	C	9VDC/200mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	5.65	5.45	4.96
412-109021	C	9VDC/200mA	2.3	1.70	1.65	3.5mm phone plug	5.45	5.26	4.79
412-109034	C	9VDC/300mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	5.71	5.51	5.02
412-109033	C	9VDC/300mA	2.3	1.70	1.65	2.5 x 5.5mm DC pwr plug	5.71	5.51	5.02
412-109054	C	9VDC/500mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	6.49	6.19	6.07
412-109051	C	9VDC/500mA	2.6	1.93	1.73	3.5mm phone plug	6.40	6.11	5.99
412-109063	C	9VDC/600mA	2.6	1.93	1.73	2.5 x 5.5mm DC pwr plug	7.50	6.99	6.15
412-109104	C	9VDC/1A	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	11.15	9.65	8.50

AC TO DC (UL APPROVED) (CONT.)

For quantities of 100 and up, call for quote.

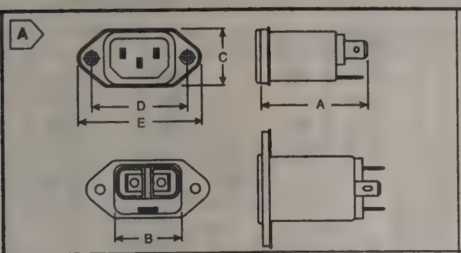
MOUSER STOCK NO.	Fig.	Output Rating (mA)	Dimensions: in.			Output Connector	Price Each		
			H	W	D		1	10	50
412-109124	C	9VDC/1.2A	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	11.45	9.85	8.95
412-112014	C	12VDC/100mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	5.45	5.26	4.79
412-112013	C	12VDC/100mA	2.3	1.70	1.65	2.5 x 5.5mm DC pwr plug	5.45	5.26	4.79
412-112024	C	12VDC/200mA	2.3	1.70	1.65	2.1 x 5.5mm DC pwr plug	5.45	5.26	4.79
412-112023	C	12VDC/200mA	2.3	1.70	1.65	2.5 x 5.5mm DC pwr plug	5.64	5.44	4.96
412-112022	C	12VDC/200mA	2.3	1.70	1.65	2.5mm phone plug	5.45	5.26	4.79
412-112021	C	12VDC/200mA	2.3	1.70	1.65	3.5mm phone plug	5.45	5.26	4.79
412-112034	C	12VDC/300mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	7.50	6.99	6.15
412-112044	C	12VDC/400mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	7.50	6.99	6.15
412-112054	C	12VDC/500mA	2.6	1.93	1.73	2.1 x 5.5mm DC pwr plug	7.50	6.99	6.15
412-112053	C	12VDC/500mA	2.6	1.93	1.73	2.5 x 5.5mm DC pwr plug	7.50	6.99	6.15
412-112051	C	12VDC/500mA	2.6	1.93	1.73	3.5mm phone plug	7.50	6.99	6.15
412-112055	C	12VDC/500mA	2.6	1.93	1.73	1.3 x 3.5mm DC pwr plug	7.50	6.99	6.15
412-112084	C	12VDC/800mA	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	9.99	9.09	8.26
412-112104	C	12VDC/1A	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	9.99	9.09	8.26
412-112103	C	12VDC/1A	2.5	2.24	1.97	2.5 x 5.5mm DC pwr plug	10.71	9.74	8.85
412-112101	C	12VDC/1A	2.5	2.24	1.97	3.5mm phone plug	9.99	9.09	8.26
412-112153	C	12VDC/1.5A	3.34	2.67	2.20	2.5 x 5.5mm pwr plug	16.68	15.16	13.79
412-124013	C	24VDC/100mA	2.3	1.70	1.65	2.5 x 5.5mm DC pwr plug	5.85	5.36	4.79
412-124044	C	24VDC/400mA	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	9.99	9.09	8.26
412-3120	D	Universal 3, 4.5, 6, 7. 5, 9, and 12VDC/500mA	2.9	2.02	2.00	6 way 2.5mm, 3.5mm male, 1.3 x 3.5mm, 2.1 x 5.0mm, 2.5 x 5.5mm DC pwr plug, 9VDC batt., Snap, ± polarity switch	11.69	10.64	9.51

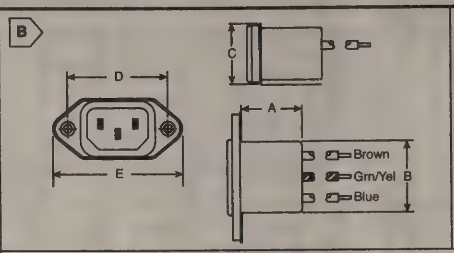
AC TO AC

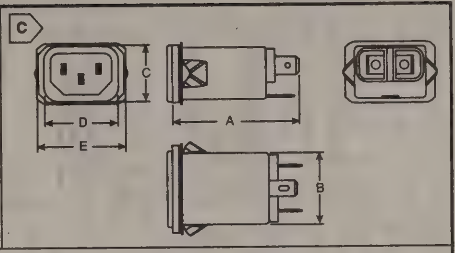
For quantities of 100 and up, call for quote.

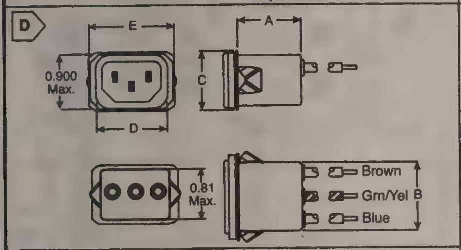
MOUSER STOCK NO.	Fig.	Output Rating (mA)	Dimensions: in.			Output Connector	Price Each		
			H	W	D		1	10	50
412-209051	C	9VAC/500mA	2.4	1.75	1.65	3.5mm phone plug	5.99	5.52	4.95
412-210054	C	10VAC/500mA	2.68	1.95	1.74	2.1 x 5.5mm DC pwr plug	6.40	6.11	5.99
412-212054	C	12VAC/500mA	2.68	1.95	1.74	2.1 x 5.5mm DC pwr plug	6.62	6.32	6.20
412-212104	C	12VAC/1A	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	8.50	7.85	7.35
412-212103	C	12VAC/1A	2.5	2.24	1.97	2.5 x 5.5mm DC pwr plug	8.50	7.85	7.35
412-215042	C	15VAC/400mA	2.68	1.95	1.74	2.5mm phone plug	6.40	6.11	5.99
412-218054	C	18VAC/500mA	2.68	1.95	1.74	2.1 x 5.5mm DC pwr plug	6.40	6.11	5.99
412-224034	C	24VAC/300mA	2.68	1.95	1.74	2.1 x 5.5mm DC pwr plug	7.50	6.99	6.15
412-224054	C	24VAC/500mA	2.5	2.24	1.97	2.1 x 5.5mm DC pwr plug	8.50	7.85	7.35

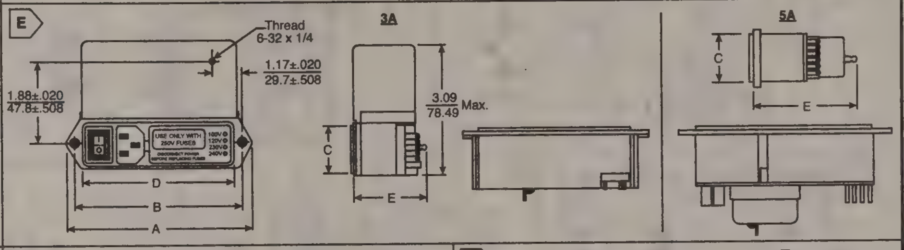
CORCOM Line Filters

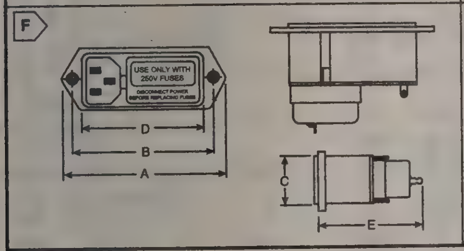


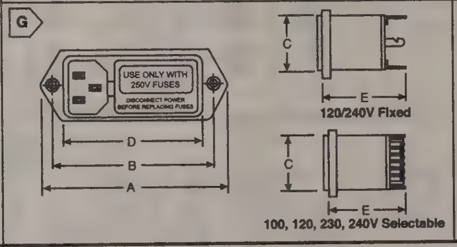

B
C
D
E
A
Brown
Grn/Yel
Blue
B

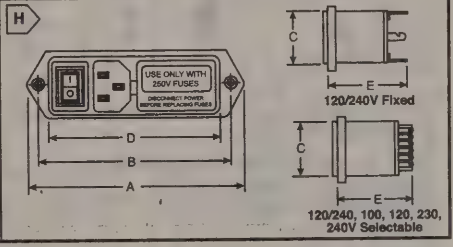



D
E
A
0.900 Max.
C
D
0.81 Max.
Brown
Grn/Yel
Blue
B


E
Thread 6-32 x 1/4
1.17±.020 29.7±.508
1.88±.020 47.8±.508
USE ONLY WITH 250V FUSES
DISCONNECT POWER BEFORE REPLACING FUSES
100V
120V
230V
240V
D
B
A
3A
3.09 78.49 Max.
C
E
5A
C
E


F
USE ONLY WITH 250V FUSES
DISCONNECT POWER BEFORE REPLACING FUSES
D
B
A
C
E


G
USE ONLY WITH 250V FUSES
DISCONNECT POWER BEFORE REPLACING FUSES
D
B
A
C
E
120/240V Fixed
C
E
100, 120, 230, 240V Selectable


H
USE ONLY WITH 250V FUSES
DISCONNECT POWER BEFORE REPLACING FUSES
D
B
A
C
E
120/240V Fixed
C
E
120/240, 100, 120, 230, 240V Selectable

SRB SERIES FILTERS

Shielded Line Filter

RoHS Compliant

Specifications:
- 15 Amps; 250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Capacitance	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-15SRB1	15SRB1	A	none	1.75 (44.45)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	1.42	1.31	1.20	1.13
592-15SRB1-Q	15SRB1-Q	A	33pF	1.75 (44.45)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	3.85	3.56	3.27	3.08
592-15SRB1-Z	15SRB1-Z	A	3300pF	1.75 (44.45)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	2.29	2.12	1.94	1.83
592-15SRB8	15SRB8	B	none	0.94 (23.82)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	1.69	1.56	1.43	1.35
592-15SRB8-Q	15SRB8-Q	B	33pF	0.94 (23.82)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	3.87	3.58	3.29	3.10
592-15SRB8-R	15SRB8-R	B	100pF	0.94 (23.82)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	1.90	1.76	1.62	1.52
592-15SRB8-S	15SRB8-S	B	220pF	0.94 (23.82)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	1.90	1.76	1.62	1.52
592-15SRB8-T	15SRB8-T	B	330pF	0.94 (23.82)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	1.94	1.79	1.65	1.55
592-15SRB8-W	15SRB8-W	B	470pF	0.94 (23.82)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	1.94	1.80	1.65	1.55
592-15SRB8-X	15SRB8-X	B	1000pF	0.94 (23.82)	1.13 (28.70)	0.96 (24.38)	1.58 (40.00)	2.04 (51.76)	2.13	1.97	1.81	1.71
592-15SRBS1	15SRBS1	C	none	1.75 (44.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	1.58	1.47	1.35	1.27
592-15SRBS1-S	15SRBS1-S	C	220pF	1.75 (44.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	1.94	1.80	1.65	1.56
592-15SRBS1-T	15SRBS1-T	C	330pF	1.75 (44.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	1.98	1.83	1.68	1.59
592-15SRBS1-X	15SRBS1-X	C	1000pF	1.75 (44.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	1.98	1.83	1.68	1.59
592-15SRBS8	15SRBS8	D	none	1.12 (28.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	1.89	1.74	1.60	1.51
592-15SRBS8-Q	15SRBS8-Q	D	33pF	1.12 (28.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	4.11	3.80	3.49	3.29
592-15SRBS8-R	15SRBS8-R	D	100pF	1.12 (28.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	2.10	1.95	1.79	1.68
592-15SRBS8-W	15SRBS8-W	D	470pF	1.12 (28.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	2.14	1.98	1.82	1.71
592-15SRBS8-X	15SRBS8-X	D	1000pF	1.12 (28.45)	1.13 (28.70)	0.96 (24.38)	1.19 (30.10)	1.41 (35.81)	2.06	1.90	1.75	1.65

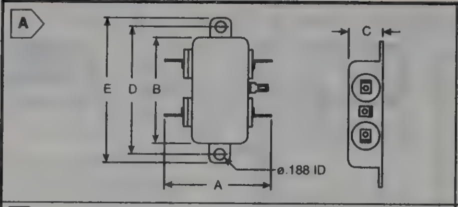
M SERIES FILTERS

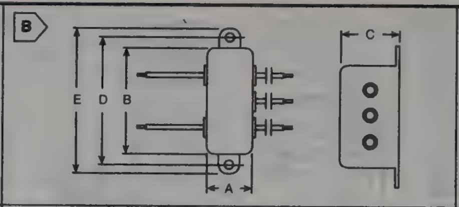
Power Entry Modules for General and Medical Applications

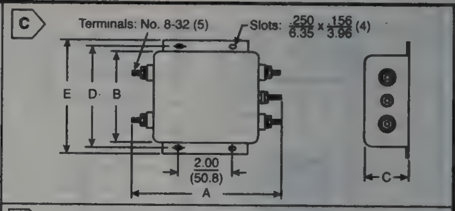
Specifications:
- 3 and 5 Amps Filtered; 120/250 Volts AC
- 6 Amps Unfiltered; 120/250 Volts AC

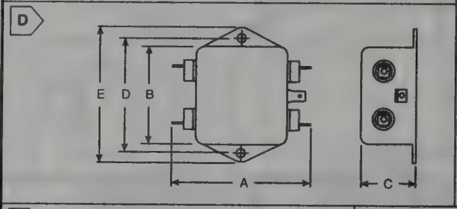
For quantities of 100 and up, call for quote.

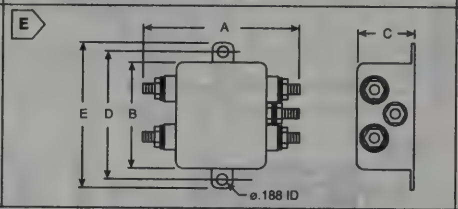
MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps @120VAC	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3EZM4S	3EZM4S	E	3	4.65 (118.1)	4.10 (104.1)	1.14 (29.0)	3.72 (94.5)	1.72 (43.7)	43.10	40.02	37.97	34.89
592-5EFM1	5EFM1	F	5	3.39 (86.1)	2.84 (72.1)	1.14 (29.0)	2.44 (62.0)	2.19 (55.6)	19.67	18.27	17.33	15.93
592-5EHM1	5EHM1	F	5	3.39 (86.1)	2.84 (72.1)	1.14 (29.0)	2.44 (62.0)	2.19 (55.6)	20.06	18.62	17.67	16.23
592-5EFM1S	5EFM1S	E	5	4.17 (105.9)	3.62 (91.9)	1.14 (29.0)	3.22 (81.8)	2.19 (55.6)	22.97	21.33	20.23	18.59
592-5EHM1S	5EHM1S	E	5	4.17 (105.9)	3.62 (91.9)	1.14 (29.0)	3.22 (81.8)	2.19 (55.6)	23.35	21.68	20.56	18.90
592-5EFM4	5EFM4	F	5	3.88 (98.6)	3.32 (84.3)	1.14 (29.0)	2.92 (74.2)	2.19 (55.6)	22.31	20.71	19.66	18.06
592-5EHM4	5EHM4	F	5	3.88 (98.6)	3.32 (84.3)	1.14 (29.0)	2.92 (74.2)	2.19 (55.6)	22.67	21.05	19.97	18.35
592-5EFM4S	5EFM4S	E	5	4.65 (118.1)	4.10 (104.1)	1.14 (29.0)	3.70 (94.0)	2.19 (55.6)	25.59	23.77	22.55	20.71
592-5EHM4S	5EHM4S	E	5	4.65 (118.1)	4.10 (104.1)	1.14 (29.0)	3.70 (94.0)	2.19 (55.6)	25.96	24.67	23.37	22.69
592-6VM1	6VM1	G	6	3.39 (86.1)	2.84 (72.1)	1.14 (29.0)	2.44 (62.0)	1.45 (36.8)	12.47	11.58	10.98	10.09
592-6VM1S	6VM1S	H	6	4.17 (105.9)	3.62 (91.9)	1.14 (29.0)	3.22 (81.8)	1.45 (36.8)	14.91	14.14	12.99	12.24
592-6VM4	6VM4	G	6	3.88 (98.6)	3.32 (84.3)	1.14 (29.0)	2.92 (74.2)	1.45 (36.8)	15.09	14.01	13.29	12.22
592-6VM2S	6VM2S	H	6	4.65 (118.1)	4.10 (104.1)	1.14 (29.0)	3.72 (94.5)	1.45 (36.8)	18.35	17.04	16.17	14.86
592-6VM4S	6VM4S	H	6	4.65 (118.1)	4.10 (104.1)	1.14 (29.0)	3.72 (94.5)	1.45 (36.8)	17.48	15.73	14.86	13.98

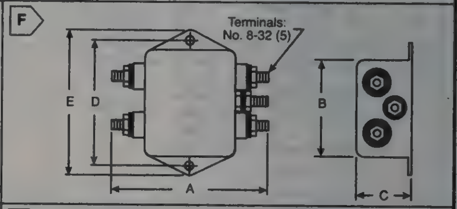


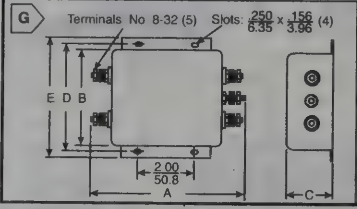


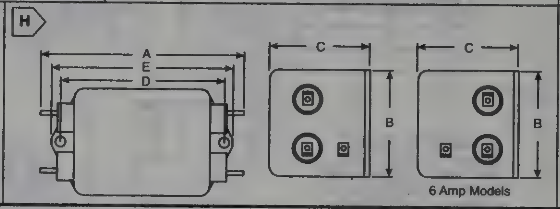


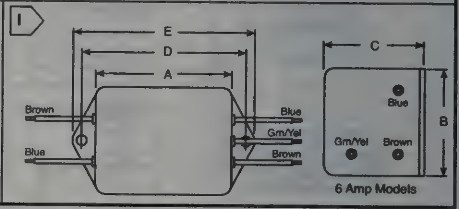












B SERIES FILTERS

1 to 20 Amps; 120/250 Volts AC; 50-60 Hz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-1VB1	1VB1	A	1	2.25 (57.2)	1.82 (46.2)	0.66 (16.8)	2.125 (53.98)	2.53 (64.3)	10.48	9.74	9.23	8.49
592-2VB1	2VB1	A	2	2.25 (57.2)	1.82 (46.2)	0.66 (16.8)	2.125 (53.98)	2.53 (64.3)	7.89	7.50	7.12	6.76
592-3VB1	3VB1	A	3	2.61 (66.3)	1.82 (46.2)	0.78 (19.8)	2.125 (53.98)	2.53 (64.3)	9.98	9.48	9.01	8.56
592-5VB1	5VB1	A	5	2.61 (66.3)	1.82 (46.2)	0.78 (19.8)	2.125 (53.98)	2.53 (64.3)	8.45	8.03	7.63	7.25
592-10VB1	10VB1	A	10	2.61 (66.3)	1.82 (46.2)	1.16 (29.5)	2.125 (53.98)	2.53 (64.3)	9.42	8.95	8.50	8.08
592-20VB1	20VB1	A	20	3.36 (85.3)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	14.61	13.89	13.19	12.53
592-1VB3	1VB3	B	1	0.96 (24.4)	1.82 (46.2)	0.66 (16.8)	2.125 (53.98)	2.53 (64.3)	9.32	8.86	8.42	8.00
592-2VB3	2VB3	B	2	0.96 (24.4)	1.82 (46.2)	0.66 (16.8)	2.125 (53.98)	2.53 (64.3)	10.40	9.89	9.36	8.84
592-3VB3	3VB3	B	3	1.32 (33.5)	1.82 (46.2)	0.78 (19.8)	2.125 (53.96)	2.53 (64.3)	10.74	10.21	9.70	9.22
592-5VB3	5VB3	B	5	1.32 (33.5)	1.82 (46.2)	0.78 (19.8)	2.125 (53.98)	2.53 (64.3)	9.89	9.39	8.92	8.47
592-10VB6	10VB6	E	10	2.72 (69.10	1.82 (46.2)	1.16 (29.5)	2.125 (53.98)	2.53 (64.3)	14.15	13.14	12.46	11.46
592-30VB6	30VB6	C	30	5.34 (135.6)	3.38 (85.9)	1.53 (38.9)	3.750 (95.30)	4.20 (106.7)	32.79	31.15	29.59	28.12

K SERIES FILTERS

1 to 20 Amps; 120/250 Volts AC; 50-60 Hz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-1VK1	1VK1	A	1	3.10 (78.7)	2.07 (52.6)	0.91 (23.1)	2.375 (60.33)	2.81 (71.4)	11.68	11.10	10.54	10.02
592-2VK1	2VK1	A	2	3.10 (78.7)	2.07 (52.6)	0.91 (23.1)	2.375 (60.33)	2.81 (71.4)	10.03	9.53	9.06	8.61
592-5VK1	5VK1	A	5	3.10 (78.7)	2.07 (52.6)	0.91 (23.1)	2.375 (60.33)	2.81 (71.4)	12.28	11.40	10.82	9.95
592-10VK1	10VK1	A	10	3.35 (85.1)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	10.75	10.22	9.70	9.22
592-20VK1	20VK1	D	20	3.35 (85.1)	2.56 (65.0)	1.53 (38.9)	2.938 (74.63)	3.35 (85.1)	16.29	15.48	14.71	13.97
592-2VK3	2VK3	B	2	1.81 (46.0)	2.07 (52.6)	0.91 (23.1)	2.375 (60.33)	2.81 (71.4)	12.08	11.48	10.90	10.36
592-3VK3	3VK3	B	3	1.81 (46.0)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	13.74	13.05	12.39	11.78
592-5VK3	5VK3	B	5	1.81 (46.0)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	12.80	12.16	11.56	10.98
592-10VK6	10VK6	E	10	3.46 (87.9)	2.07 (52.6)	1.16 (29.5)	2.375 (60.33)	2.81 (71.4)	15.30	14.21	13.48	12.39
592-20VK6	20VK6	F	20	3.46 (87.9)	2.56 (65.0)	1.53 (38.9)	2.938 (74.63)	3.35 (85.1)	18.95	18.01	17.11	16.26
592-30VK6	30VK6	G	30	5.34 (135.6)	3.38 (85.9)	1.53 (38.9)	3.75 (95.25)	4.20 (106.7)	41.93	38.94	36.94	33.95

R SERIES FILTERS

1 to 20 Amps; 120/250 Volts AC; 50-60 Hz

For quantities greater than listed, call for quote.

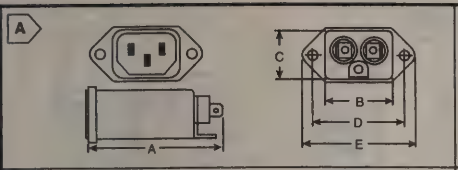
MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-1VR1	1VR1	H	1	3.35 (85.1)	1.81 (46.0)	1.16 (29.5)	2.375 (60.33)	2.78 (70.6)	17.71	16.83	15.99	15.19
592-2VR1	2VR1	H	2	3.35 (85.1)	1.81 (46.0)	1.16 (29.5)	2.375 (60.33)	2.78 (70.6)	12.28	11.67	11.08	10.53
592-3VR1	3VR1	H	3	3.35 (97.8)	2.07 (52.6)	1.16 (29.5)	2.938 (74.63)	3.35 (85.1)	15.58	14.80	14.06	13.35
592-5VR1	5VR1	H	5	3.35 (97.8)	2.07 (52.6)	1.16 (29.5)	2.938 (74.63)	3.35 (85.1)	14.63	13.91	13.21	12.56
592-10VR1	10VR1	H	10	3.35 (97.8)	2.07 (52.6)	1.53 (38.9)	2.938 (74.63)	3.35 (85.1)	13.11	12.46	11.83	11.24
592-20VR1	20VR1	H	20	5.23 (132.8)	3.37 (85.6)	1.53 (38.9)	3.750 (95.25)	4.20 (106.7)	31.77	30.18	28.68	27.24
592-20VR6	20VR6	G	20	5.34 (135.6)	3.37 (85.6)	1.53 (38.9)	3.750 (95.25)	4.20 (106.7)	32.79	31.15	29.59	28.12

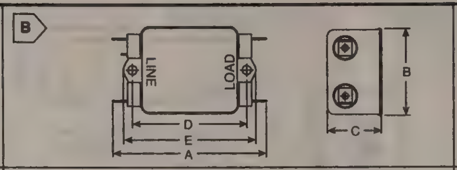
Q SERIES FILTERS

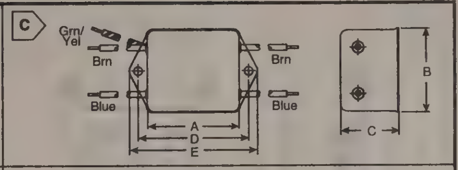
RoHS Compliant

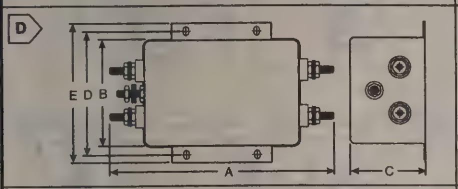
For quantities greater than listed, call for quote.

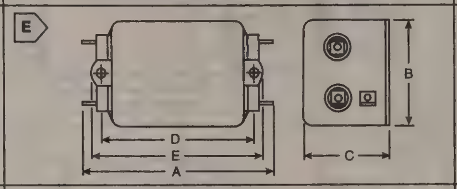
MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3VQ1	3VQ1	H	3	3.85 (97.8)	2.07 (52.6)	1.78 (45.2)	2.938 (74.63)	3.34 (84.8)	32.80	31.16	29.60	28.13
592-6EQ1	6EQ1	H	6	4.98 (126.5)	2.27 (57.7)	1.80(45.7)	4.063 (103.2)	4.47 (113.5)	58.49	54.31	51.52	47.35
592-6EQ3	6EQ3	I	6	3.69 (93.7)	2.27 (57.7)	1.80 (45.7)	4.063 (103.2)	4.47 (113.5)	54.32	51.60	49.02	46.57
592-20EQ1	20EQ1	H	20	6.66 (168.1)	2.07 (52.6)	2.28 (57.9)	5.625 (142.9)	6.00 (153.2)	62.63	59.50	56.53	53.70
592-20VQ1	20VQ1	H	20	6.66 (168.1)	2.07 (52.6)	2.28 (57.9)	5.625 (142.9)	6.03 (153.2)	67.64	64.26	61.05	57.99

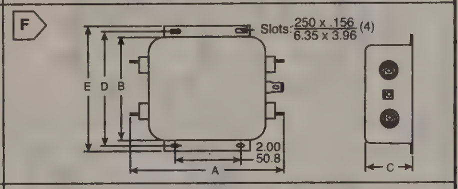


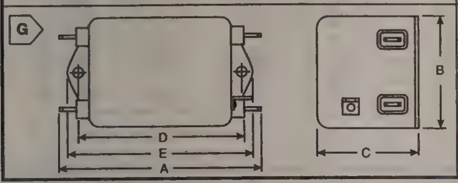


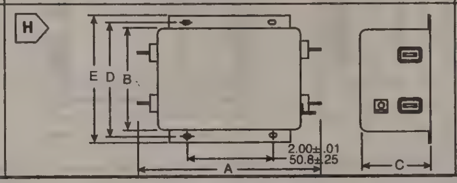


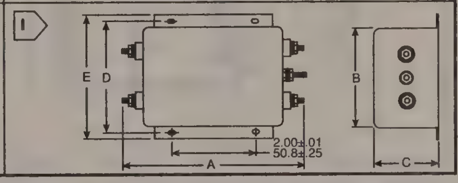












EC SERIES FILTERS

High Performance Compact RFI Power Line Filters with IEC Connectors

- 3 to 10 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3EC1	3EC1	A	3	2.62 (66.5)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	16.90	15.69	14.88	13.68
592-6EC1	6EC1	A	6	2.62 (66.5)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	16.90	15.69	14.88	13.68
592-10EC1	10EC1	A	10	2.62 (66.5)	1.19 (30.2)	0.81 (20.6)	1.575 (40.01)	1.98 (50.3)	17.80	16.53	15.68	14.41

EMC SERIES FILTERS

Compact Dual Stage RFI Power Line Filters

- 6 to 30 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-6EMC1	6EMC1	B	6	3.85 (97.8)	2.07 (52.6)	1.16 (29.5)	2.938 (74.6)	3.35 (85.1)	18.47	17.15	16.27	14.96
592-10EMC1	10EMC1	B	10	3.85 (97.8)	2.07 (52.6)	1.53 (38.91)	2.938 (74.6)	3.35 (85.1)	16.52	15.34	14.55	13.37
592-15EMC1	15EMC1	B	15	4.97 (126.2)	2.25 (57.2)	1.78 (45.2)	4.063 (103.2)	4.46 (113.3)	32.47	30.16	28.61	26.29
592-20EMC1	20EMC1	B	20	4.97 (126.2)	2.25 (57.2)	1.78 (45.2)	4.063 (103.2)	4.46 (113.3)	36.35	33.76	32.03	29.42
592-6EMC3	6EMC3	C	6	2.56 (65.0)	2.07 (52.6)	1.16 (29.5)	2.938 (74.6)	3.35 (85.1)	18.47	17.15	16.27	14.96
592-10EMC3	10EMC3	C	10	2.56 (65.0)	2.07 (52.6)	1.53 (38.9)	2.938 (74.6)	3.35 (85.1)	16.52	15.34	14.55	13.37
592-15EMC3	15EMC3	C	15	3.69 (93.7)	2.25 (57.2)	1.78 (45.2)	4.063 (103.2)	4.47 (113.5)	32.47	30.16	28.61	26.29
592-30EMC6	30EMC6	D	20	6.05 (153.7)	3.12 (79.12)	2.18 (55.4)	3.50 (88.9)	3.96 (100.6)	47.84	44.42	42.15	38.72

S SERIES FILTERS

Multipurpose Power Line RFI Filter for Emission Control

- 3 to 20 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-6VS1	6VS1	E	6	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	29.46	25.16	23.90	22.70
592-10VS1	10VS1	E	10	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	26.84	24.92	23.64	21.72
592-20VS1	20VS1	F	20	5.23 (132.8)	3.38 (85.9)	1.53 (38.9)	3.75 (95.25)	4.20 (106.7)	59.35	55.11	52.28	48.04

T SERIES FILTERS

High Performance RFI Power Line Filters for Switching Power Supplies

RoHS Compliant

- 6 to 20 Amps; 120/250 Volts AC; 50/60 Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-6ET1	6ET1	G	6	3.56 (90.4)	2.15 (54.6)	1.81 (46.0)	2.938 (74.63	3.38 (85.9)	35.01	32.51	30.84	28.34
592-10ET1	10ET1	G	10	4.69 (119.1)	2.27 (57.7)	1.80 (45.7)	4.063 (103.2)	4.47 (113.5)	49.35	45.83	43.48	39.95
592-10VT1	10VT1	G	10	4.69 (119.1)	2.27 (57.7)	1.80 (45.7)	4.063 (103.2)	4.47 (113.5)	50.58	46.98	44.57	40.95
592-15VT1	15VT1	H	15	5.45 (138.4)	3.12 (79.2)	2.18 (55.4)	3.500 (88.9)	3.96 (100.6)	66.54	61.78	58.61	53.87
592-20VT1	20VT1	H	20	5.45 (138.4)	3.12 (79.2)	2.18 (55.4)	3.500 (88.9)	3.96 (100.6)	72.39	67.57	64.33	58.54
592-15ET6	15ET6	I	15	5.95 (151.1)	3.12 (79.2)	2.18 (55.4)	3.500 (88.9)	3.96 (100.6)	69.90	64.90	61.57	56.58
592-15VT6	15VT6	I	15	5.95 (151.1)	3.12 (79.2)	2.18 (55.4)	3.500 (88.9)	3.96 (100.6)	69.90	65.21	61.57	56.58

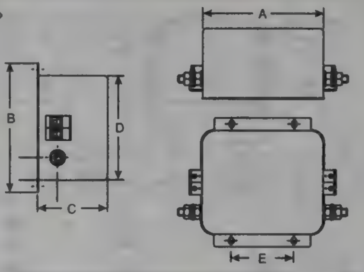
V AND W SERIES

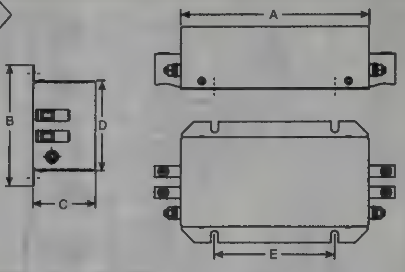
Multipurpose Power Line RFI Filters for Emission Control and High-Noise Industrial Environments

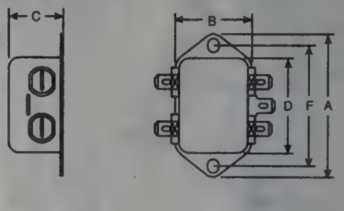
- 6 to 20 Amps; 120/250 Volts AC; 50/60 Hz

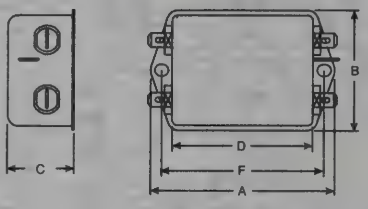
For quantities of 100 and up, call for quote.

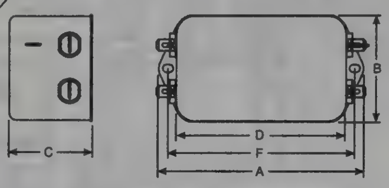
MOUSER STOCK NO.	Corcom Part No.	Fig.	Amps	Dimensions: in. (mm)					Price Each			
				A	B	C	D	E	1	10	25	50
592-3VW1	3VW1	E	3	3.36 (85.3)	1.82 (46.2)	1.28 (32.5)	2.375 (60.33)	2.78 (70.6)	27.15	25.21	23.92	21.98
592-6VV1	6VV1	E	6	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	25.77	23.92	22.69	20.86
592-6VW1	6VW1	E	6	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	22.54	21.42	20.35	19.33
592-10VV1	10VV1	E	10	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	29.06	26.99	25.60	23.52
592-10VW1	10VW1	E	10	3.86 (98.0)	2.08 (52.8)	1.53 (38.9)	2.938 (74.63)	3.34 (84.8)	25.89	24.59	23.36	22.19
592-20VV1	20VV1	F	20	5.23 (132.8)	3.38 (85.9)	1.53 (38.9)	3.75 (95.25)	4.20 (106.7)	62.10	57.66	54.70	50.27
592-20VW1	20VW1	F	20	5.23 (132.8)	3.38 (85.9)	1.53 (38.9)	3.75 (95.25)	4.20 (106.7)	63.48	58.95	55.92	51.38

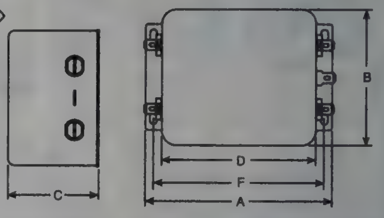
A


B


C


D


E


F


FN350 SERIES, SINGLE-PHASE EMC/RFI FILTER FOR MOTOR DRIVERS

Features:

- Compact filter solution for single-phase motor drive applications
- Industrial grade safety terminal blocks
- Designed to meet EN55011/14/22
- Compliant with IEC60950

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Amps	Leakage Current 230VAC/50Hz	Power Loss @ 25°C/50Hz	Dimensions: mm					Price Each		
						A	B	C	D	E	1	25	50
631-FN350-8-29	FN350-8-29	A	8	4.9mA	5.2W	99.5	105	57	84.4	51	152.50	130.00	117.90
631-FN350-12-29	FN350-12-29	A	12	4.9mA	5.7W	99.5	105	57	84.4	51	152.50	130.00	117.90
631-FN350-20-29	FN350-20-29	A	20	4.9mA	6.1W	99.5	105	57	84.4	51	153.00	128.00	116.00
631-FN350-30-33	FN350-30-33	A	30	5.4mA	6.1W	99.5	105	57.6	84.4	51	206.00	185.40	175.10
631-FN350-55-33	FN350-55-33	B	55	11mA	9.9W	180	115	60	85	115	260.00	216.00	196.00

FN2010 SERIES, SINGLE STAGE FILTERS

Features:

- Current ratings from 1 to 30A
- General-pupose filtering performance
- Maximum operating voltage: 250VAC 50/60Hz
- Optional medical versions available - contact a Mouser Representative

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Connector Housing	Amps	Inductance (mH)	Capacitance		Res. (Ω)	Housing	Dimensions: mm					Price Each		
						Cx (μF)	Cy (nF)			A	B	C	D	F	1	25	50
631-FN2010-1/06	FN2010-1/06	C	Fast-on	1	12.00	0.10	4.7	1	F3	64±0.3	35	24.3	43.5	54	11.50	9.50	9.00
631-FN2010-1/07	FN2010-1/07	C	Wire Leads	1	12.00	0.10	4.7	1	F3	64±0.3	35	24.3	43.5	54	11.92	10.04	9.40
631-FN2010-3/06	FN2010-3/06	C	Fast-on	3	2.50	0.10	4.7	1	F3	64±0.3	35	24.3	43.5	54	11.10	9.30	8.40
631-FN2010-3/07	FN2010-3/07	C	Wire Leads	3	2.50	0.10	4.7	1	F3	64±0.3	35	24.3	43.5	54	11.92	10.04	9.40
631-FN2010-6/06	FN2010-6/06	C	Fast-on	6	1.00	0.10	4.7	1	F3	64±0.3	35	24.3	43.5	54	11.43	9.66	8.64
631-FN2010-6/07	FN2010-6/07	C	Wire Leads	6	1.00	0.10	4.7	1	F3	64±0.3	35	24.3	43.5	54	11.92	10.04	9.40
631-FN2010-10/06	FN2010-10/06	C	Fast-on	10	0.80	0.10	4.7	1	F2	64±0.3	35	29.3	43.5	54	11.90	9.90	9.00
631-FN2010-10/07	FN2010-10/07	C	Wire Leads	10	0.80	0.10	4.7	1	F2	64±0.3	35	29.3	43.5	54	12.95	10.50	9.74
631-FN2010-12/06	FN2010-12/06	C	Fast-on	12	0.70	0.10	4.7	1	F2	64±0.3	35	29.3	43.5	54	12.80	10.66	9.68
631-FN2010-12/07	FN2010-12/07	C	Wire Leads	12	0.70	0.10	4.7	1	F2	64±0.3	35	29.3	43.5	54	12.95	10.50	9.74
631-FN2010-16/06	FN2010-16/06	D	Fast-on	16	0.65	0.10	4.7	1	H2	71	46.6	29.3	50.5	61	18.50	15.40	14.00
631-FN2010-16/07	FN2010-16/07	D	Wire Leads	16	0.65	0.10	4.7	1	H2	71	46.6	29.3	50.5	61	18.20	15.60	14.75
631-FN2010-20/06	FN2010-20/06	D	Fast-on	20	0.60	0.10	4.7	1	K1	85	54	30.3	64.8	75	18.50	15.40	14.00
631-FN2010-20/08	FN2010-20/08	D	Stud Term	20	0.60	0.10	4.7	1	K1	85	54	30.3	64.8	75	31.04	27.94	26.38
631-FN2010-30/08	FN2010-30/08	E	Stud Term	30	0.67	0.47	10.0	1	P	113.5	57.5	45.4±1.2	94	103	41.60	34.70	31.50

FN2060 AND FN2070 SERIES, MULTI-STAGE FILTERS

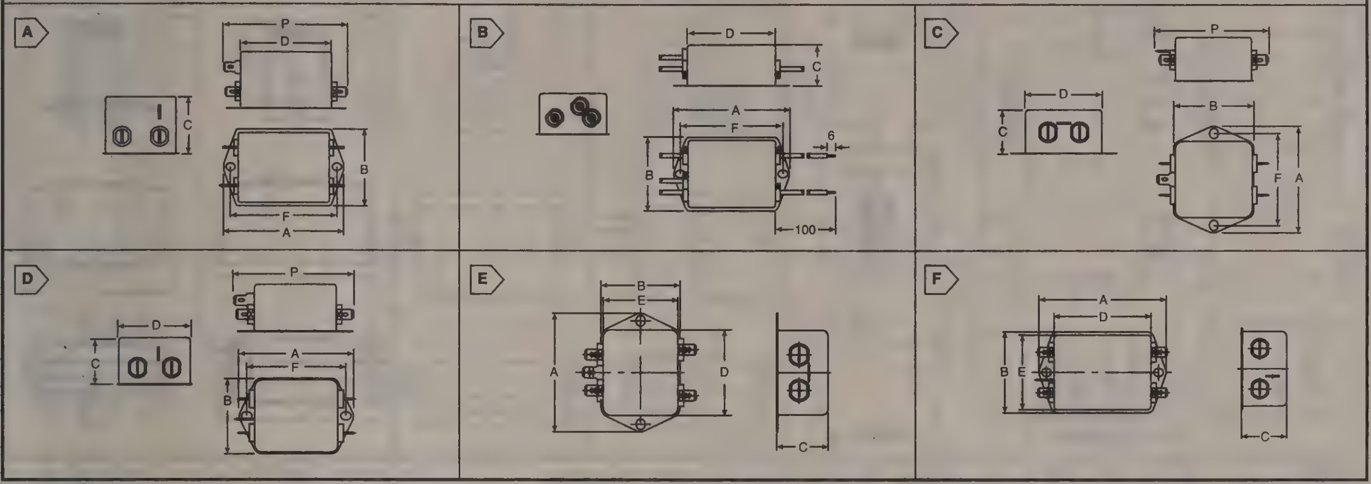
Features:

- FN2060 current ratings from 1 to 30A
- FN2070 current ratings from 1 to 36A
- High differential and common mode attenuation
- Maximum operating voltage: 250VAC 50/60Hz
- Optional medical versions available - contact a Mouser Representative

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Connector Housing	Amps	Inductance (mH)	Capacitance		Res. (Ω)	Housing	Dimensions: mm					Price Each		
						Cx (μF)	Cy (nF)			A	B	C	D	F	1	25	50
FN2060																	
631-FN2060-1/06	FN2060-1/06	D	Fast-on	1	12	0.22	4.7	1	H2	71	46.6	29.3	50.5	61	20.00	16.70	15.10
631-FN2060-3/06	FN2060-3/06	D	Fast-on	3	2.5	0.22	4.7	1	H2	71	46.6	29.3	50.5	61	19.90	16.60	15.10
631-FN2060-6/06	FN2060-6/06	D	Fast-on	6	0.97	0.22	4.7	1	H2	71	46.6	29.3	50.5	61	19.90	16.60	15.10
631-FN2060-10/06	FN2060-10/06	D	Fast-on	10	0.8	0.47	4.7	0.47	K1	85	54	30.3	64.8	75	20.90	17.40	15.80
631-FN2060-12/06	FN2060-12/06	D	Fast-on	12	0.58	0.47	4.7	0.47	K1	85	54	30.3	64.8	75	21.60	18.00	16.40
631-FN2060-16/06	FN2060-16/06	D	Fast-on	16	0.65	0.33	4.7	1	K2	85	54	40.3	64.8	75	46.30	38.60	35.00
631-FN2060-20/06	FN2060-20/06	E	Fast-on	20	0.6	1	4.7	0.22	P	113.5±1	57.5±1	45.4±1.2	94±1	103	47.90	39.90	36.20
631-FN2060-30/08	FN2060-30/08	F	Stud Term	30	0.6	1	10	0.22	L2	119	85.5±1	57.6±1	98.5±1	109	81.50	67.90	61.60
FN2070																	
631-FN2070-1/06	FN2070-1/06	D	Fast-on	1	22.00	0.33	4.7	1.00	K1	85	54	30.3	64.8	75	24.87	18.39	16.80
631-FN2070-3/06	FN2070-3/06	D	Fast-on	3	9.80	0.47	4.7	0.47	K2	85	54	40.3	64.8	75	24.00	20.00	18.10
631-FN2070-3/07	FN2070-3/07	D	Wire Leads	3	9.80	0.47	4.7	0.47	K2	85	54	40.3	64.8	75	22.00	18.45	16.89
631-FN2070-6/06	FN2070-6/06	E	Fast-on	6	7.80	1.00	4.7	0.22	P	113.5	57.5	45.4±1.2	94	103	32.50	27.10	24.60
631-FN2070-6/07	FN2070-6/07	E	Wire Leads	6	7.80	1.00	4.7	0.22	P	113.5	57.5	45.4±1.2	94	103	29.50	25.00	22.76
631-FN2070-10/06	FN2070-10/06	E	Fast-on	10	4.50	1.00	4.7	0.22	Q	156	57.5	45.4±1.2	130.5	143	46.90	39.10	35.50
631-FN2070-10/07	FN2070-10/07	E	Wire Leads	10	4.50	1.00	4.7	0.22	Q	156	57.5	45.4±1.2	130.5	143	42.05	36.78	33.60
631-FN2070-12/06	FN2070-12/06	E	Fast-on	12	3.25	1.00	4.7	0.22	Q	156	57.5	45.4±1.2	130.5	143	46.90	39.10	35.50
631-FN2070-16/06	FN2070-16/06	F	Fast-on	16	2.80	1.00	4.7	0.22	L2	119±0.5	85.5	57.6	98.5	109	75.20	62.70	56.80
631-FN2070-16/07	FN2070-16/07	F	Wire Leads	16	2.80	1.00	4.7	0.22	L2	119±0.5	85.5	57.6	98.5	109	70.00	60.35	52.54
631-FN2070-25/08	FN2070-25/08	E	Stud Term	25	2.00	2.20	4.7	0.22	Q	156	57.5	45.4±1.2	130.5	143	80.50	72.45	68.43
631-FN2070-36/08	FN2070-36/08	E	Stud Term	36	1.23	2.20	4.7	0.22	Q	156	57.5	45.4±1.2	130.5	143	85.80	77.22	72.94

DIMENSIONS: mm



SINGLE PHASE CHASSIS MOUNT FILTERS

Specifications:
- High differential and common mode attenuation
- UL-rated materials
- Max. Operating Voltage: 250VAC,50/60 Hz
- Max. Leakage@ 250VAC:
  - FN2310: 0.69mA, - FN2330: 0.95mA
  - FN2340: 0.94mA, - FN2350: 0.94mA
- Temperature Range: -25°C to +100°C

EN 133200
IEC60939

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Connector Housing	Amps	Inductance		Capacitance		Dimensions: mm						Price Each		
					L (mH)	L (μH)	Cx (μF)	Cy (nF)	A	B	C	D	F	P	1	25	50
631-FN2310X-3/06	FN2310X-3/06	A	Fast-on	3	36.9	—	0.47	4	85	54	40.3	64	75	87	**14.31**	**12.88**	**11.69**
631-FN2310X-6/06	FN2310X-6/06	A	Fast-on	6	19.3	—	0.47	4	85	54	40.3	64	75	87	**14.71**	**13.40**	**12.08**
631-FN2310X-10/06	FN2310X-10/06	A	Fast-on	10	9.6	75	1.5	4	113.5±1	57.5±1	45.5±1.2	94±1	103.5	117	**24.53**	**22.25**	**20.11**
631-FN2330Y-3/07	FN2330Y-3/07	B	Wire Leads	3	7.3	—	0.33	5.5	85	54	30.3	64	75	-	**11.69**	**10.58**	**9.59**
631-FN2330Y-10/06	FN2330Y-10/06	A	Fast-on	10	7.3	—	0.33	5.5	113.5±1	57.5±1	45.5±1.2	94±1	103.5	117	**19.83**	**18.04**	**16.25**
631-FN2340Y-2/06	FN2340Y-2/06	C	Fast-on	2	0.52	—	0.1	5.5	71	46.6	22.3	50.1	61	68	**7.72**	**6.97**	**6.35**
631-FN2340Y-3/06	FN2340Y-3/06	D	Fast-on	3	1.7	—	0.1	5.5	71	46.6	29.3	50.1	61	74	**8.31**	**7.44**	**6.82**
631-FN2340Y-10/06	FN2340Y-10/06	C	Fast-on	10	0.54	—	0.1	5.5	71	50.5	29.3	50.1	61	74	**9.26**	**8.38**	**7.61**
631-FN2340Y-20/06	FN2340Y-20/06	C	Fast-on	20	0.43	—	0.1	5.5	85	54	40	64	75	72	**14.11**	**12.71**	**11.47**
631-FN2350Y-2/06	FN2350Y-2/06	D	Fast-on	2	0.52	0.52	0.1	5.5	71	5446.6	29.3	50.5	61	74	**10.43**	**9.44**	**8.57**
631-FN2350Y-3/06	FN2350Y-3/06	D	Fast-on	3	1.7	1.7	0.1	5.5	85	54	30.3	64	75	87	**12.13**	**10.97**	**9.94**

FN2030 SERIES, SINGLE-PHASE EMI HIGH PERFORMANCE FILTERS

Specifications:
- Current rating: 1-30A
- High performance filter attenuation
- High differential mode attenuation
- Fast-on connections
- Medical version: B type

14

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Rated Current @ 40°C (25°C)	Leakage Current @230VAC/50Hz	Inductance (mH)	Capacitance		Res. (kΩ)	Dimensions: mm					Price Each		
						Cx (μF)	Cy (nF)		A	B	C	D	E	1	25	50
631-FN2030-1/06	FN2030-1/06	C	1A (1.1A)	0.34mA	20	0.22	2.2	1000	64	35	24.3	43.5	32.5	**15.25**	**13.56**	**12.54**
631-FN2030-3/06	FN2030-3/06	E	3A (3.4A)	0.52mA	14	0.33	3.3	1000	71	46.6	22.3	50.5	44.5	**15.25**	**13.56**	**12.54**
631-FN2030-4/06	FN2030-4/06	E	4A (4.5A)	0.52mA	14	0.33	3.3	1000	71	46.6	22.3	50.5	44.5	**15.25**	**13.56**	**12.54**
631-FN2030-6/06	FN2030-6/06	E	6A (6.7A)	0.73mA	8	0.47	4.7	680	71	46.6	22.3	50.5	44.5	**15.25**	**13.56**	**12.54**
631-FN2030-8/06	FN2030-8/06	F	8A (8.9A)	0.73mA	8	0.47	4.7	680	85	54	30.3	64.8	49.8	**15.82**	**14.06**	**13.00**
631-FN2030-10/06	FN2030-10/06	F	10A (11.2A)	0.73mA	8	0.47	4.7	680	85	54	30.3	64.8	49.8	**18.18**	**16.16**	**14.95**
631-FN2030-12/06	FN2030-12/06	F	12A (13.4A)	0.87mA	4	1.00	10	330	85	54	30.3	64.8	49.8	**18.83**	**16.74**	**15.49**
631-FN2030-16/06	FN2030-16/06	F	16A (17.9A)	0.87mA	4	1.00	10	330	85	54	40.3	64.8	49.8	**21.60**	**19.20**	**17.76**
631-FN2030-20/06	FN2030-20/06	F	20A (22.4A)	0.87mA	4	1.00	10	330	85	54	40.3	64.8	49.8	**23.99**	**21.32**	**19.72**
631-FN2030B-3-06	FN2030B-3-06	E	3A (3.4A)	0.002mA	14	0.33	-	1000	71	46.6	22.3	50.5	44.5	**15.26**	**13.56**	**12.54**
631-FN2030B-6/06	FN2030B-6/06	E	6A (6.7A)	0.002mA	8	0.47	-	680	71	46.6	22.3	50.5	44.5	**15.26**	**13.56**	**12.54**
631-FN2030B-12/06	FN2030B-12/06	F	12A (13.4A)	0.002mA	4	1.00	-	330	85	54	30.3	64.8	49.8	**18.83**	**16.74**	**15.48**

FN2090 SERIES, MULTI-STAGE EMI HIGH PERFORMANCE FILTERS

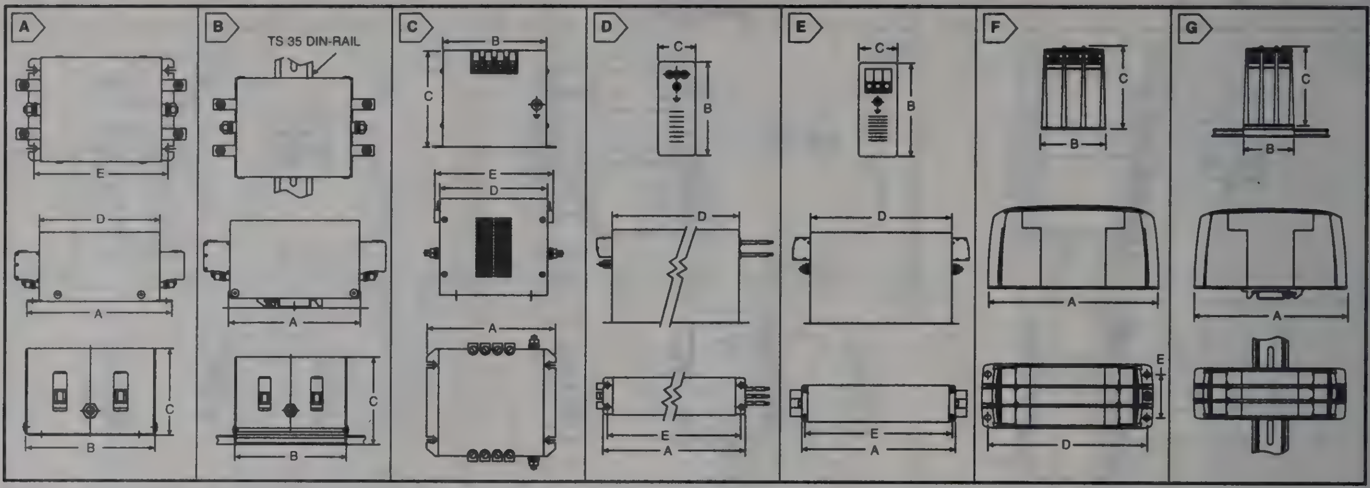
Specifications:
- Current rating: 1-20A
- Two stage filter
- High differential and common mode attenuation
- Fast-on connections
- Medical version: B type

14

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Rated Current @ 40°C (25°C)	Leakage Current @230VAC/50Hz	Inductance (mH)	Capacitance		Res. (kΩ)	Dimensions: mm					Price Each		
						Cx (μF)	Cy (nF)		A	B	C	D	E	1	25	50
631-FN2090-1/06	FN2090-1/06	C	1A (1.1A)	0.5mA	20	0.22	2.2	680	71	46.6	22.3	50.5	44.5	**21.06**	**18.72**	**17.32**
631-FN2090-3/06	FN2090-3/06	F	3A (3.4A)	0.5mA	14	0.33	2.2	470	85	54	30.3	64.8	49.8	**21.06**	**18.72**	**17.32**
631-FN2090-4/06	FN2090-4/06	F	4A (4.5A)	0.5mA	14	0.33	2.2	470	85	54	30.3	64.8	49.8	**21.06**	**18.72**	**17.32**
631-FN2090-6/06	FN2090-6/06	F	6A (6.7A)	0.67mA	8	0.47	3.3	330	85	54	30.3	64.8	49.8	**24.98**	**22.20**	**20.54**
631-FN2090-8/06	FN2090-8/06	F	8A (8.9A)	0.67mA	8	0.47	3.3	330	113.5	57.5	45.4	94	56	**24.98**	**22.20**	**20.54**
631-FN2090-10/06	FN2090-10/06	F	10A (11.2A)	0.67mA	8	0.47	3.3	330	113.5	57.5	45.4	94	56	**33.50**	**29.78**	**27.55**
631-FN2090-12/06	FN2090-12/06	F	12A (13.4A)	1.02mA	4	1	10	220	113.5	57.5	45.4	94	56	**35.21**	**31.30**	**28.95**
631-FN2090-16/06	FN2090-16/06	F	16A (17.9A)	1.02mA	4	1	10	220	113.5	57.5	45.4	94	56	**62.33**	**55.40**	**51.25**
631-FN2090-20/06	FN2090-20/06	F	20A (22.4A)	1.02mA	2.7	1	10	220	113.5	57.5	45.4	94	56	**74.81**	**66.50**	**61.51**
631-FN2090B-3/06	FN2090B-3/06	F	3A (3.4A)	0.002mA	14	0.33	-	470	85	54	30.3	64.8	49.8	**21.06**	**18.72**	**17.32**
631-FN2090B-6/06	FN2090B-6/06	F	6A (6.7A)	0.002mA	8	0.47	-	330	85	54	30.3	64.8	49.8	**24.98**	**22.20**	**20.54**



FN2410 AND FN2412 SERIES, SINGLE AND TWO-PHASE EMC/RFI FILTERS

Specifications:

- FN2410 filters are designed for chassis mounting
- FN2412 filters can be snapped into TS 35 DIN rails
- "H" versions are ideally suitable for an operation on two phases in a three-phase power network
- Excellent filter performance for applications with high interference levels
- Maximum continuous operating voltage: FN2410/FN2412: 1 x 250VAC
  FN2410H/FN2412H: 2 x 520VAC
- Maximum leakage current: 3.4mA @ 230VAC/50Hz

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Current Rating @ 50°C (40°C)	Power Loss @ 230VAC/50Hz	Dimensions: mm					Price Each		
					A	B	C	D	E	1	25	50
631-FN2410-8/44	FN2410-8/44	A	8A (8.8A)	2.6W	130	93	62	108	120	45.39	40.62	35.84
631-FN2410-16/44	FN2410-16/44	A	16A (17.5A)	3.5W	130	93	62	108	120	52.58	47.05	41.51
631-FN2410-32/33	FN2410-32/33	A	32A (35.0A)	5.6W	130	93	76	108	120	67.17	60.10	53.03
631-FN2410-45/33	FN2410-45/33	A	45A (49.3A)	7.4W	130	93	76	108	120	68.30	61.11	53.92
631-FN2410-60/34	FN2410-60/34	A	60A (65.7A)	5.5W	165	115	100	140	155	142.29	127.31	112.33
631-FN2412-16/44	FN2412/16/44	B	16A (17.5A)	3.5W	110	93	73	–	–	61.45	54.98	48.51
631-FN2412-32/33	FN2412/32/33	B	32A (35.0A)	5.6W	110	93	87	–	–	75.37	67.43	59.50
631-FN2412-45/33	FN2412/45/33	B	45A (49.3A)	7.4W	110	93	87	–	–	76.66	68.59	60.52
631-FN2410H-8/44	FN2410H-8/44	A	8A (8.8A)	2.6W	130	93	62	108	120	55.84	49.97	44.09
631-FN2410H-25/33	FN2410H-25/33	A	25A (27.4A)	5.5W	130	93	76	108	120	72.40	64.78	57.16
631-FN2410H-45/33	FN2410H-45/33	A	45A (49.3A)	7.4W	130	93	76	108	120	79.09	70.76	62.44

FN256 AND FN258 SERIES, 3-PHASE FILTERS

FN256 SERIES Features:

- 8A to 80A current ratings
- High attenuation
- Low leakage current
- Compact dimensions
- Maximum operating voltage: 480VAC at 50°C
- Protection category: IP20
- Operating frequency: DC to 60Hz at 50°C

FN258 SERIES Features:

- 7A to 250A current ratings
- Slim book-style housing
- Designed for long cable lengths
- Maximum operating voltage: 480VAC at 50°C
- Protection category: IP20
- Operating frequency: DC to 60Hz at 50°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Current Rating @ 50°C (40°C)	Leakage Current	Power Loss	Dimensions: mm					Price Each		
						A	B	C	D	E	1	10	20
FN256 Series													
631-FN256-16/46	FN256-16/46	C	16A (18.1A)	3.4mA	5.6W	143	115	80	120	141.2	151.00	126.00	114.00
631-FN256-25/47	FN256-25/47	C	25A (28.3A)	3.4mA	9.8W	153	125	115	130	154.2	204.00	170.00	154.00
631-FN256-36/47	FN256-36/47	C	36A (40.8A)	3.4mA	10.9W	153	125	115	130	154.2	222.00	185.00	168.00
631-FN256-64/52	FN256-64/52	C	64A (72.6A)	3.4mA	17.2W	153	125	125	140	175	308.00	257.00	233.00
FN258 Series													
631-FN258-7/07	FN258-7/07	D	7A (8A)	18.0mA	9W	255	126±0.8	50	225±0.8	240	201.51	167.93	152.29
631-FN258-16/07	FN258-16/07	D	16A (18A)	20.0mA	20W	305	142±0.8	55	275±0.8	290	229.05	190.55	173.23
631-FN258-16/29	FN258-16/29	E	16A (18A)	20.0mA	20W	305	142±0.8	55	275±0.8	290	231.74	193.12	175.39
631-FN258-30/07	FN258-30/07	D	30A (34A)	26.5mA	19W	335	150±1	60	305	320	262.41	218.79	198.39
631-FN258-30/33	FN258-30/33	E	30A (34A)	26.5mA	19W	335	150±1	60	305	320	297.03	247.78	224.34
631-FN258-42/07	FN258-42/07	D	42A (47A)	28.2mA	30W	329	185±1	70	300	314	459.67	383.46	347.17
631-FN258-55/07	FN258-55/07	D	55A (62A)	28.2mA	31W	329	185±1	80	300	314	476.98	397.88	360.73
631-FN258-55/34	FN258-55/34	E	55A (62A)	28.2mA	31W	329	185±1	80	300	314	471.50	392.92	357.02
631-FN258-75/34	FN258-75/34	E	75A (85A)	28.2mA	23W	329	220	80	300	314	596.00	497.00	451.00
631-FN258-130/35	FN258-130/35	E	130A (145A)	32.8mA	50W	439±1.5	240	110±0.8	400±1.2	414	684.00	570.00	517.00

FN3025/FN3026 SERIES, ADVANCED EMC/RFI 3-PHASE FILTERS

NEW FROM SUPPLIER

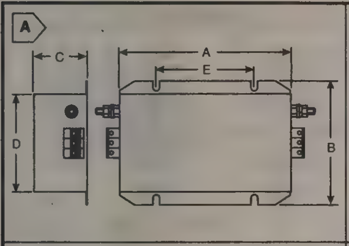
RoHS Compliant

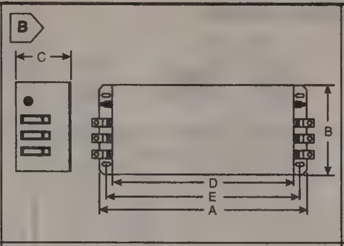
Specifications:

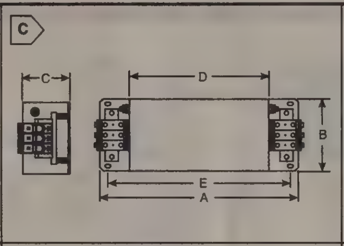
- Light weight plastic enclosure design
- Chassis or DIN-rail mounting option
- Hinged safety covers
- RoHS Compliant

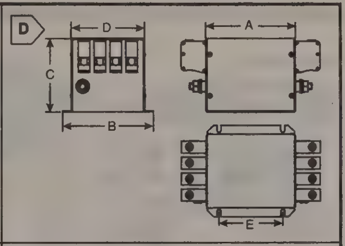
For quantities of 100 and up, call for quote.

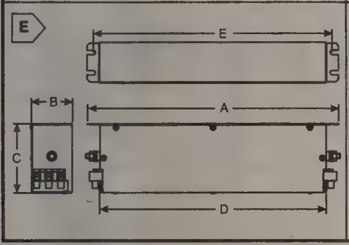
MOUSER STOCK NO.	Schaffner Part No.	Fig.	Current Rating @ 50°C (40°C)	Typical Drive Power Rating	Leakage Current	Power Loss	Dimensions: mm					Price Each		
							A	B	C	D	E	1	25	50
631-FN3025HL-20-71	FN3025HL-20-71	F	20A (21.9A)	11kW	0.4mA	5.4W	150	50	78	140	32	89.75	81.38	75.80
631-FN3025HL-30-71	FN3025HL-30-71	F	30A (32.8A)	18.5kW	0.4mA	6.2W	150	50	78	140	32	107.69	97.65	90.95
631-FN3025HL-50-72	FN3025HL-50-72	F	50A (54.7A)	30kW	0.4mA	9.4W	177	65	84	162	44	120.43	109.20	101.71
631-FN3025HP-20-71	FN3025HP-20-71	F	20A (21.9A)	11kW	2.5mA	5.4W	150	50	78	140	32	98.72	89.52	83.37
631-FN3025HP-30-71	FN3025HP-30-71	F	30A (32.8A)	18.5kW	2.5mA	6.2W	150	50	78	140	32	118.46	107.42	100.05
631-FN3025HP-50-72	FN3025HP-50-72	F	50A (54.7A)	30kW	2.5mA	9.4W	177	65	84	162	44	132.48	120.12	111.88
631-FN3026HL-20-71	FN3026HL-20-71	G	20A (21.9A)	11kW	0.4mA	5.4W	150	50	78	–	–	96.92	87.89	81.86
631-FN3026HL-30-71	FN3026HL-30-71	G	30A (32.8A)	18.5kW	0.4mA	6.2W	150	50	78	–	–	116.30	105.46	98.22
631-FN3026HP-20-71	FN3026HP-20-71	G	20A (21.9A)	11kW	2.5mA	5.4W	150	50	78	–	–	106.61	96.67	90.04
631-FN3026HP-30-71	FN3026HP-30-71	G	30A (32.8A)	18.5kW	2.5mA	6.2W	150	50	78	–	–	127.94	116.01	106.05

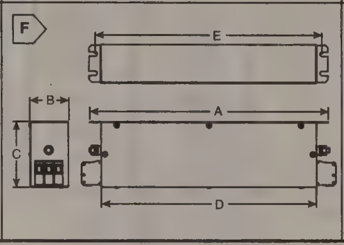


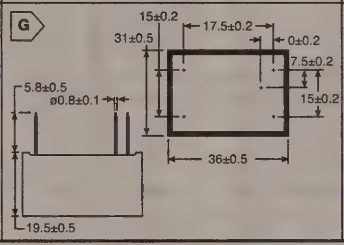


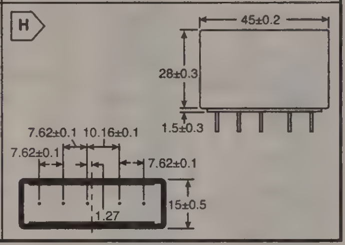












FN351 SERIES, HIGH POWER FILTERS

Features:
- High differential/common mode attenuation
- IEC 950 compliant
- Maximum operating voltage: 440VAC @ 40°C (standard types); 520VAC @ 40°C (H types)

up to 110A up to 110A up to 110A H-types up to 110A H-types up to 110A RoHS Compliant

† with 3/4 connectors

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Current Rating @ 40°C (25°C)	Leakage Current IEC	Power Loss @25°C/50Hz	Dimensions: mm					Price Each		
						A	B	C	D	E	1	25	50
631-FN351-8/29	FN351-8/29	A	8A (9.2A)	1.9mA	7W	180	115	60	85	115	**280.79**	**255.26**	**236.12**
631-FN351-16/29	FN351-16/29	A	16A (18.4A)	1.9mA	8W	200	150	65	120	115	**287.87**	**261.70**	**235.53**
631-FN351-36/33	FN351-36/33	A	36A (41.5A)	28.0mA	9W	200	150	75†	120	115	**285.00**	**237.00**	**215.00**
631-FN351-50/33	FN351-50/33	A	50A (57.7A)	29.6mA	9W	200	150	75†	120	115	**301.00**	**251.00**	**228.00**
631-FN351-64/33	FN351-64/33	A	64A (73.8A)	29.6mA	15W	200	150	75†	120	115	**373.76**	**339.78**	**305.80**
631-FN351-80/34	FN351-80/34	B	80A (92.3A)	31.8mA	23W	400	170±1	90±1	350	373	**622.93**	**566.30**	**509.67**
631-FN351-110/35	FN351-110/35	B	110A (127.0A)	31.8mA	25W	400	170±1	90±1	350	373	**703.16**	**639.24**	**575.32**
631-FN351H-16/29	FN351H-16/29	A	16A (18.4A)	2.5mA	8W	200	150	65	120	115	**298.89**	**271.72**	**244.55**
631-FN351H-36/33	FN351H-36/33	A	36A (41.5A)	35.4mA	9W	200	150	75†	120	115	**344.98**	**313.62**	**282.26**
631-FN351H-50/33	FN351H-50/33	A	50A (57.7A)	35.4mA	9W	200	150	75†	120	115	**325.30**	**271.08**	**246.56**
631-FN351H-110/35	FN351H-110/35	B	110A (127.0A)	41.3mA	25W	400	170±1	90±1	350	373	**1024.06**	**930.96**	**837.86**
631-FN351H-180/36	FN351H-180/36	C	180A (207.0A)	40.7mA	49W	510	180±1	115±1	360	470±.5	**1220.13**	**1143.87**	**1105.74**

FN3256 SERIES, COMPACT 3-PHASE AND NEUTRAL FILTERS

Features:
- Compact, space-saving design, optimized for industrial machinery
- Combines high attenuation performance with low leakage current
- Performance according to the machine tool standard EN50370-1
- RoHS Compliant

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Current Rating @ 40°C (25°C)	Power Loss @25°C/50Hz	Dimensions: mm					Price Each		
					A	B	C	D	E	1	25	50
631-FN3256H-8-29	FN3256H-8-29	D	8A	2.7W	110	110	70	82	70	**165.00**	**138.75**	**130.03**
631-FN3256H-16-29	FN3256H-16-29	D	16A	5.0W	110	110	70	82	70	**172.00**	**145.00**	**134.20**
631-FN3256H-25-33	FN3256H-25-33	D	25A	9.8W	130	118	85	90	90	**214.60**	**195.14**	**183.62**
631-FN3256H-36-33	FN3256H-36-33	D	36A	11.3W	130	118	85	90	90	**240.75**	**203.16**	**187.28**
631-FN3256H-80-35	FN3256H-80-35	D	80A	14.5W	170	163	125	135	120	**486.68**	**407.72**	**376.20**
631-FN3256H-120-35	FN3256H-120-35	D	120A	25.0W	210	170	125	140	160	**605.85**	**508.06**	**469.21**
631-FN3256H-160-40	FN3256H-160-40	D	160A	26.9W	200	190	130	160	150	**785.04**	**657.34**	**606.27**

FN3258 SERIES, ULTRA-COMPACT EMC/RFI 3-PHASE FILTERS

Features:
- Attenuation performance from 150kHz to 30MHz
- Saturation resistance up to 50m cable length
- Compact and slim filter design
- RoHS Compliant

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Current Rating @ 50°C	Typical Drive Power Rating	Leakage Current	Power Loss @25°C/50Hz	Dimensions: mm					Price Each		
							A	B	C	D	E	1	25	50
631-FN3258-7-45	FN3258-7-45	E	7A	4.0kW	33mA	3.8W	190	40	70	160	180	**142.08**	**127.57**	**121.10**
631-FN3258-16-45	FN3258-16-45	E	16A	7.5kW	33mA	6.1W	250	45	70	220	235	**224.71**	**186.85**	**169.76**
631-FN3258-30-47	FN3258-30-47	E	30A	15.0kW	33mA	11.8W	270	50	85	240	255	**264.54**	**251.54**	**234.99**
631-FN3258-42-47	FN3258-42-47	E	42A	22.0kW	33mA	15.7W	310	50	85	280	295	**310.15**	**278.96**	**265.55**
631-FN3258-55-52	FN3258-55-52	E	55A	30.0kW	33mA	25.9W	250	85	90	220	235	**472.82**	**414.35**	**394.63**
631-FN3258-75-52	FN3258-75-52	E	75A	37.0kW	33mA	32.2W	270	80	135	240	255	**479.54**	**430.09**	**410.11**
631-FN3258-130-35	FN3258-130-35	F	130A	75.0kW	33mA	43.1W	270	90	150	240	255	**607.66**	**546.05**	**519.30**
631-FN3258-180-40	FN3258-180-40	F	180A	90.0kW	33mA	58.3W	380	120	170	350	365	**645.47**	**580.25**	**551.29**

HORIZONTAL MOUNT PCB FILTERS

Specifications:
- 0.5-10A current ratings
- PCB-mounting
- Low profile

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Amps	Inductance (mH)	Capacitance		Price Each		
					Cx (µF)	Cy (nF)	1	25	50
631-FN405-0.5/02	FN405-0.5/02	G	0.5	20	0.015	2.2	**9.60**	**8.00**	**7.30**
631-FN405-1/02	FN405-1/02	G	1	10	0.015	2.2	**9.60**	**8.00**	**7.30**
631-FN405-3/02	FN405-3/02	G	3	2	0.015	2.2	**9.30**	**7.70**	**7.00**
631-FN405-6/02	FN405-6/02	G	6	0.8	0.015	2.2	**9.30**	**7.70**	**7.00**

HORIZONTAL MOUNT PCB FILTERS

Specifications:
- 0.5-10A current ratings
- PCB-mounting
- Low profile

EN 133200
IEC60939

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schaffner Part No.	Fig.	Amps	Inductance (mH)	Capacitance		Price Each		
					Cx (µF)	Cy (nF)	1	25	50
631-FN406-0.5/02	FN406-0.5/02	H	0.5	24	0.1	2.2	**9.90**	**8.20**	**7.50**
631-FN406-1/02	FN406-1/02	H	1	12	0.1	2.2	**9.90**	**8.20**	**7.50**
631-FN406-3/02	FN406-3/02	H	3	2.5	0.1	2.2	**9.90**	**8.20**	**7.50**
631-FN406-6/02	FN406-6/02	H	6	0.78	0.1	2.2	**9.90**	**8.20**	**7.50**

SCHURTER EMC Block Filters

SCHURTER
ELECTRONIC COMPONENTS

SCHURTER FPP & FMAB SERIES 1-STAGE FILTERS FOR PCB MOUNTING

Specifications:
- Attenuation: Standard
- Case: FPP - Plastic UL94V-0; FMAB - Aluminum
- Rated voltage U_R (U_{max}): 125/250 VAC
- Protection Class I
- Inrush current: 1.5 X I_N @ 20° C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	I_N (A)	L_N (mH)	Leakage Current	Co/C2 (X2) (µF)	C1 (Y2) (nF)	Price Each			
								1	10	25	50
FPP Series Standard Type											
693-5500.2014	5500.2014	A	0.5	2 x 40	<0.25mA	0.1	2.2	7.22	6.42	5.78	5.46
693-5500.2015	5500.2015	A	1.0	2 x 10	<0.25mA	0.1	2.2	7.22	6.42	5.78	5.46
693-5500.2016	5500.2016	A	1.6	2 x 6	<0.25mA	0.1	2.2	7.22	6.42	5.78	5.46
693-5500.2017	5500.2017	A	2.5	2 x 2	<0.25mA	0.1	2.2	7.22	6.42	5.78	5.46
693-5500.2018	5500.2018	A	4.0	2 x 1	<0.25mA	0.1	2.2	7.22	6.42	5.78	5.46
693-5500.2019	5500.2019	A	6.5	2 x 1	<0.25mA	0.1	2.2	7.22	6.42	5.78	5.46
FPP Series Medical Type											
693-5500.2127	5500.2127	A	0.5	2 x 40	< 5µA	0.1	-----	8.58	7.62	6.86	6.48
693-5500.2130	5500.2130	A	1.0	2 x 10	< 5µA	0.1	-----	8.58	7.62	6.86	6.48
693-5500.2131	5500.2131	A	1.6	2 x 6	< 5µA	0.1	-----	8.58	7.62	6.86	6.48
693-5500.2132	5500.2132	A	2.5	2 x 2	< 5µA	0.1	-----	8.58	7.62	6.86	6.48
693-5500.2133	5500.2133	A	4.0	2 x 1	< 5µA	0.1	-----	8.58	7.62	6.86	6.48
693-5500.2128	5500.2128	A	6.5	2 x 1	< 5µA	0.1	-----	8.58	7.62	6.86	6.48
FMAB Series Standard Type											
693-5500.2022	5500.2022	B	4.0	2 x 3.5	<0.5mA	0.1	4.7	24.38	21.67	19.50	18.42
693-5500.2023	5500.2023	B	6.0	2 x 3.5	<0.5mA	0.1	4.7	24.20	21.51	19.36	18.28
693-5500.2024	5500.2024	B	10.0	2 x 0.82	<0.5mA	0.1	4.7	23.78	21.15	19.03	17.97
693-5500.2025	5500.2025	B	16.0	2 x 0.65	<0.5mA	0.1	4.7	26.07	23.16	20.85	19.69
FMAB Series Medical Type											
693-5500.2106	5500.2106	B	2.0	2 x 8	< 5µA	0.1	-----	26.42	23.48	21.14	19.96
693-5500.2108	5500.2108	B	6.0	2 x 1.8	< 5µA	0.1	-----	26.74	23.77	21.39	20.20
693-5500.2109	5500.2109	B	10.0	2 x 0.82	< 5µA	0.1	-----	26.32	23.40	21.06	19.89
693-5500.2110	5500.2110	B	16.0	2 x 0.65	< 5µA	0.1	-----	28.60	25.42	22.89	21.61

SCHURTER FMLB & FMW2 SERIES 1-STAGE FILTERS FOR CHASSIS MOUNTING

Specifications:
- Attenuation: Standard
- Rated voltage U_R (U_{max}): 125/250 VAC
- Protection Class I
- Inrush current: 1.5 X I_N @ 20° C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Fig.	I_N (A)	L_N (mH)	Leakage Current	Cx (X2) (nF)	Cy (Y2) (nF)	Price Each			
								1	10	25	50
FMLB Standard Type											
693-5500.2026	5500.2026	C	1	2 x 10	<0.25mA	68	2.2	9.92	8.82	7.93	7.50
693-5500.2027	5500.2027	C	2	2 x 4	<0.25mA	68	2.2	9.92	8.82	7.93	7.50
693-5500.2028	5500.2028	C	4	2 x 1.5	<0.25mA	68	2.2	10.39	9.24	8.31	7.85
693-5500.2029	5500.2029	C	6	2 x 0.8	<0.25mA	68	2.2	10.45	9.29	8.36	7.90
693-5500.2030	5500.2030	C	10	2 x 0.3	<0.25mA	68	2.2	10.45	9.29	8.36	7.90
693-5500.2035	5500.2035	D	6	2 x 14	<0.35mA	100	3.3	26.58	23.63	21.26	20.08
693-5500.2036	5500.2036	D	10	2 x 5	<0.35mA	100	3.3	25.35	22.54	20.28	19.16
693-5500.2037	5500.2037	D	16	2 x 2	<0.35mA	100	3.3	24.28	21.58	19.43	18.34
693-5500.2038	5500.2038	D	20	2 x 1.5	<0.35mA	100	3.3	25.19	22.39	20.16	19.03
FMW2 Standard Type											
693-5500.2039	5500.2039	C	1	2 x 10	<0.25mA	15	2.2	11.76	10.46	9.42	8.89
693-5500.2040	5500.2040	C	3	2 x 2	<0.25mA	15	2.2	11.76	10.46	9.42	8.89
693-5500.2041	5500.2041	C	6	2 x 0.8	<0.25mA	15	2.2	11.76	10.46	9.42	8.89
693-5500.2042	5500.2042	C	10	2 x 0.4	<0.25mA	15	2.2	11.76	10.46	9.42	8.89
693-5500.2045	5500.2045	E	10	2 x 1	<0.25mA	68	2.2	20.02	17.80	16.02	15.12
693-5500.2046	5500.2046	E	10	2 x 1	<2.1mA	68	22	21.13	18.79	16.91	15.97
693-5500.2047	5500.2047	E	20	2 x 0.15	<2.1mA	68	22	21.59	19.19	17.27	16.32
FMLB Medical Type											
693-5500.2077	5500.2077	C	1	2 x 10	< 5µA	68	-----	12.05	10.71	9.64	9.11
693-5500.2078	5500.2078	C	2	2 x 4	< 5µA	68	-----	12.05	10.71	9.64	9.11
693-5500.2079	5500.2079	C	4	2 x 1.5	< 5µA	68	-----	12.52	11.13	10.02	9.47
693-5500.2080	5500.2080	C	6	2 x 0.8	< 5µA	68	-----	12.59	11.19	10.07	9.51
693-5500.2081	5500.2081	C	10	2 x 0.3	< 5µA	68	-----	12.59	11.19	10.07	9.51
693-5500.2082	5500.2082	D	6	2 x 14	< 5µA	100	-----	28.71	25.52	22.97	21.69
693-5500.2083	5500.2083	D	10	2 x 5	< 5µA	100	-----	27.48	24.43	21.99	20.76
693-5500.2084	5500.2084	D	16	2 x 2	< 5µA	100	-----	26.41	23.47	21.13	19.95
693-5500.2085	5500.2085	D	20	2 x 1.5	< 5µA	100	-----	27.32	24.29	21.86	20.64
FMW2 Medical Type											
693-5500.2098	5500.2098	C	1	2 x 10	< 5µA	15	-----	14.04	12.47	11.23	10.61
693-5500.2104	5500.2104	C	3	2 x 0.8	< 5µA	15	-----	14.04	12.47	11.23	10.61
693-5500.2100	5500.2100	C	6	2 x 0.4	< 5µA	15	-----	14.04	12.47	11.23	10.61
693-5500.2102	5500.2102	C	10	2 x 2	< 5µA	15	-----	14.04	12.47	11.23	10.61

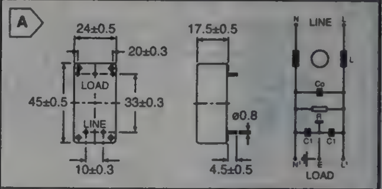
SCHURTER FSS2 SERIES 2-STAGE FILTERS FOR CHASSIS MOUNTING

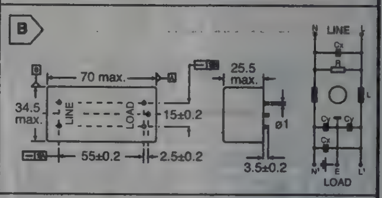
Specifications:
- Attenuation: FSW2 - High; FSS2 - Medium/Wide range
- Rated voltage U_R (U_{max}): 125/250 VAC
- Protection Class I
- Inrush current: 1.5 X I_N @ 20° C

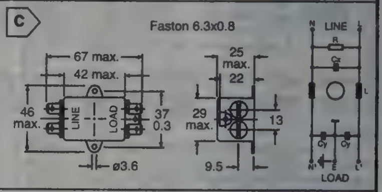
For quantities of 100 and up, call for quote.

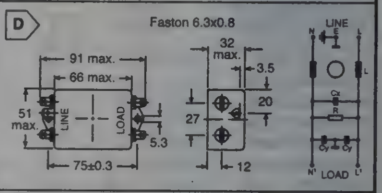
MOUSER STOCK NO.	Schurter Part No.	Fig.	I_N (A)	L1 (mH)	L2 (mH)	L3 (mH)	Leakage Current	Cx1 (µF)	Cx2 (µF)	Cy1 (nF)	Cy2 (nF)	Price Each			
												1	10	25	50
693-5500.2051	5500.2051	F	1	2 x15	1	-----	<0.25mA	0.1	0.47	1.5	1	22.45	19.96	17.96	16.96
693-5500.2052	5500.2052	F	2	2 x 10	0.4	0.4	<0.25mA	0.1	0.47	1.5	1	25.56	22.73	20.46	19.32
693-5500.2053	5500.2053	G	3	2 x 12	1	-----	<0.25mA	0.1	0.68	1.5	1	29.24	26.00	23.39	22.09
693-5500.2054	5500.2054	G	4	2 x 10	0.8	-----	< 1.4mA	0.1	0.68	10	4.7	30.32	26.96	24.27	22.92
693-5500.2055	5500.2055	G	6	2 x 6	0.5	-----	< 1.4mA	0.1	0.68	10	4.7	36.82	32.73	29.46	27.83
693-5500.2056	5500.2056	H	10	2 x 5	0.2	0.2	< 1.4mA	0.1	1	10	4.7	60.13	53.45	48.10	45.43

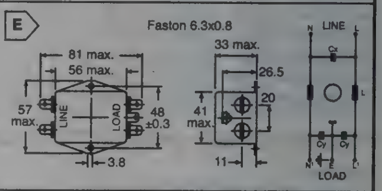
DIMENSIONS: mm

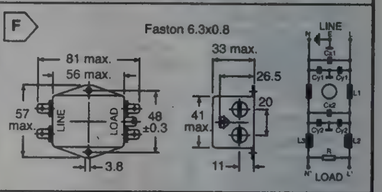
A

24±0.5
20±0.3
17.5±0.5
45±0.5
33±0.3
LOAD
LINE
ø0.8
10±0.3
4.5±0.5
LINE
LOAD

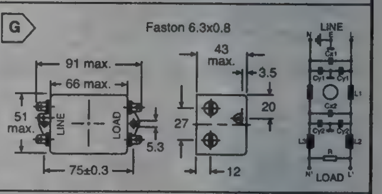
B

70 max.
25.5 max.
34.5 max.
LINE
LOAD
15±0.2
ø1
55±0.2
2.5±0.2
3.5±0.2
LINE
LOAD

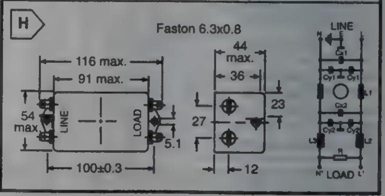
C

Faston 6.3x0.8
67 max.
42 max.
25 max.
22
46 max.
LINE
LOAD
37 0.3
29 max.
13
ø3.6
9.5
LINE
LOAD

D

Faston 6.3x0.8
91 max.
66 max.
32 max.
3.5
20
51 max.
LINE
LOAD
27
5.3
75±0.3
12
LINE
LOAD

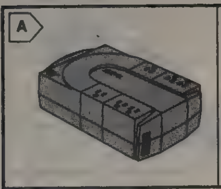
E

Faston 6.3x0.8
81 max.
56 max.
33 max.
26.5
57 max.
LINE
LOAD
48 ±0.3
41 max.
20
3.8
11
LINE
LOAD

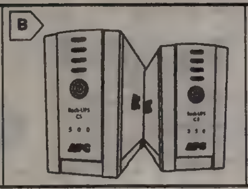
F

Faston 6.3x0.8
81 max.
56 max.
33 max.
26.5
57 max.
LINE
LOAD
48 ±0.3
41 max.
20
3.8
11
LINE
LOAD

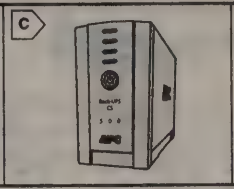
G

Faston 6.3x0.8
91 max.
66 max.
43 max.
3.5
20
51 max.
LINE
LOAD
27
5.3
75±0.3
12
LINE
LOAD

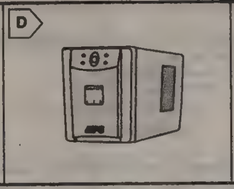
H

Faston 6.3x0.8
116 max.
91 max.
44 max.
36
54 max
LINE
LOAD
23
27
5.1
100±0.3
12
LINE
LOAD

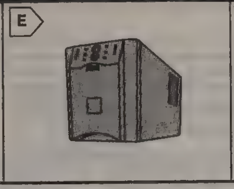
APC UPS Systems

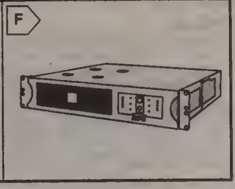












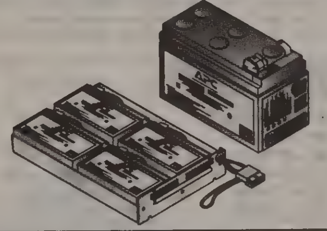
APC BACK-UPS

Back up power solutions from desktop to datacenter to custom-built industrial UPS system

For quantities of 2 and up, call for quote.

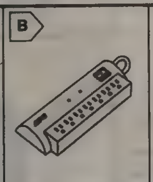
MOUSER STOCK NO.	APC Part No.	Fig.	No. of Outlets	Model	Input/Output Volts	Output Power Capacity	Backup Time Half/Full Load	Price Each
679-BE350R	BE350R	A	6	Back-UPS ES	120V / 120V	350VA / 200W	8.1 min. / 1.6 min.	46.22
679-BE550R	BE550R	A	8	Back-UPS ES	120V / 120V	550VA / 330W	11.4 min / 1.4 min.	65.00
679-BE750BB	BE750BB	A	6	Back-UPS ES	120V / 120V	725VA / 450W	11.8 min. / 3.3 min.	99.99
679-BK350	BK350	B	6	Back-UPS CS	120V / 120V	350VA / 210W	23.7 min. / 6.6 min.	79.80
679-BK500	BK500	B	6	Back-UPS CS	120V / 120V	500VA / 300W	12.1 min. / 5.7 min.	120.49
679-BR1200	BR1200	C	6	Back-UPS RS	120V / 120V	1200VA / 780W	11.7 min. / 3.4 min.	199.99
679-BR1500	BR1500	C	6	Back-UPS RS	120V / 115V	1500VA / 865W	12.4 min. / 3.7 min.	270.00
679-SC420	SC420	D	4	Smart - UPS SC	120V / 120V	420VA / 260W	13.5 min. / 5.5 min.	126.81
679-SC620	SC620	D	4	Smart - UPS SC	120V / 120V	620VA / 390W	15.7 min. / 5.5 min.	189.39
679-SUA750	SUA750	E	6	Smart - UPS	120V / 120V	750VA / 500W	15.9 min. / 4.6 min.	355.00
679/-SUA1000	SUA1000	E	8	Smart - UPS	120V / 120V	1000VA / 670W	20.6 min. / 6.1 min.	485.19
679-SUA1500	SUA1500	E	8	Smart - UPS	120V / 120V	1440VA / 980W	23.9 min. / 6.7 min.	692.19
679-SUA750RM2U	SUA750RM2U	F	6	Smart - UPS - RM	120V / 120V	750VA / 480W	16.6 min. / 5.5 min.	440.23
679-SUA1000RM2U	SUA1000RM2U	F	6	Smart - UPS - RM	120V / 120V	1000VA / 670W	29.9 min. / 8.8 min.	585.20
679-SUA1500RM2U	SUA1500RM2U	F	6	Smart - UPS - RM	120V / 120V	1440VA / 980W	26.5 min. / 7.4 min.	711.55

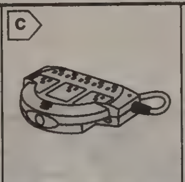
APC UPS REPLACEMENT BATTERY CARTRIDGES

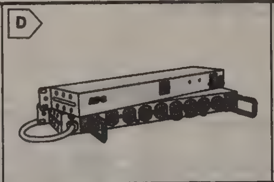


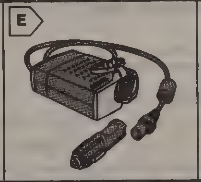
For quantities of 2 and up, call for quote.

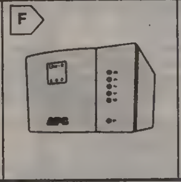
MOUSER STOCK NO.	APC Part No.	Replaces Batteries in Models	Price Each
679-RBC2	RBC2	BK200, BK250B, BK280B, BK280, BP280, BP280PNP, BP280C, BP280S, BK300 BK350, BK400, BK400B,BP,420S, SU420NET, BK500, BE500U, BK500M	38.18
679-RBC4	RBC4	BK650MC, BP650C, BP650PNP, BP650S, SU620NET	54.29
679-RBC6	RBC6	BP1000, SUVS1000, SU1000, SUA1000, SU1000NET	125.00
679-RBC7	RBC7	SU700XL, SU1000XL, BP1400, SU1400, SUA1500	158.00

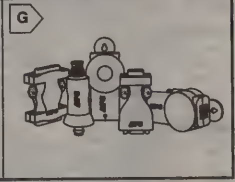












APC SURGE PROTECTION AND CONDITIONING

Safeguard your equipment from everyday power surges, lightning strikes and other power anomalies

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Fig.	No. of Outlets	Category	Description	Price Each
679-P7T	P7T	A	7	Basic Surge Protectors - A	420 joules, data line protection, 6' cord, black	14.99
679-P7T10	P7T10	A	7	Basic Surge Protectors - A	420 joules, data line protection, 10' cord, beige	19.99
679-PER7	PER7	B	7	SurgeArrest Personal	420 joules, beige	13.05
679-PER7T	PER7T	B	7	SurgeArrest Personal	240 joules, date line protection, beige	28.13
679-PRO7	PRO7	B	7	SurgeArrest Professional	320 joules, beige	35.71
679-PRO7T	PRO7T	B	7	SurgeArrest Professional	320 joules, data line protection, beige	45.36
679-PRO8	PRO8	C	8	SurgeArrest Professional	320 joules, beige	40.32
679-PRO8T2	PRO8T2	C	8	SurgeArrest Professional	320 joules, 2-line data line protection, beige	50.39
679-PRO8T2C	PRO8T2C	C	8	SurgeArrest Professional	320 joules, 2-line data line protection, translucent	48.00
679-PRO8TV	PRO8TV	C	8	SurgeArrest Professional	320 joules, data & co-axial line protection, beige	53.77
679-NET7	NET7	B	7	SurgeArrest Network	480 joules, beige	40.32
679-NET7T	NET7T	B	7	SurgeArrest Network	480 joules, data line protection beige	35.70
679-NET8	NET8	C	8	SurgeArrest Network	480 joules, beige	45.35
679-NET8N	NET8N	C	8	SurgeArrest Network	480 joules, 10base-T token ring protection, beige	62.16
679-NET9RM	NET9RM	D	9	SurgeArrest Rack Mountable	480 joules, horizontal or vertical mount, beige	101.95

APC DC TO AC INVERTERS

- 120V output

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Fig.	No. of Outlets	Power	Description	Price Each
679-PNOTEAC75	PNOTEAC75	E	1	75W	airline / auto adapter	79.99
679-PNOTEAC150	PNOTEAC150	E	1	150W	auto lighter adapter	39.99
679-PNOTEAC350	PNOTEAC350	E	2	350W	auto adapter / batt. conn.	65.99

APC LINE-R-HIGH PERFORMANCE POWER CONDITIONING

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Fig.	Description	Price Each
679-LE600	LE600	F	600VA, 4NEMA 5-15R	47.25
679-LE1200	LE1200	F	1200VA, 4 NEMA 5-15R	57.00

APC PROTECTNET DATA LINE PROTECTORS

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	APC Part No.	Fig.	Description	Price Each
679-PNET1GB	PNET1GB	G	RJ45 10/100/1000 Base-T ethernet prot.	25.60
679-PSP25	PSP25	G	DB25 data line protection	25.60
679-P10B2	P10B2	G	10BASE2 prot. Center shielded cond.	24.00
679-PTEL2	PTEL2	G	RJ45 modem/fax/DSL protection	24.23
679-PS9-DTE	PS9-DTE	G	RS232 9 pin F to M serial data line prot.	21.84
679-PS9-DCE	PS9-DCE	G	RS232 9 PIN M to F serial data line prot.	21.49
679-PRM	PRM	G	Rack mount shelf	25.20
679-PV	PV	G	Cable modem/DSS cont. box/cable/VCR	25.60
679-PDGITEL	PDIGITEL	G	RJ45 ISDN/T1/digital telephone protection	25.60

PHOENIX CONTACT Surge Protection Devices

PHOENIX CONTACT
INSPIRING INNOVATIONS

SURGE PROTECTION DEVICES FOR WIRELESS DATA, SIGNAL, AND MOBILE PHONE SYSTEMS

NEW FROM SUPPLIER

497B 1604

Features:

- The unit can be mounted directly to the coaxial cable, or attached to the bulkhead with the use of a mounting bracket.
- Uses a removable gas tube for easy replacement if direct lightning strike causes a failure.
- Impedance matching allows high transmission capabilities without signal attenuation or degradation.
- Metal housing provides superior shielding (EMI/RFI) properties for high-speed data interfaces.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	MCOV DC/AC	Price Each		
Mfr.	Mfr. Part No.					1	5	10
651	2818148	A	CN-UB-280DC-SB	For Coax Cables, Type N Male-BNC Female	280V / 195V	66.50	62.59	59.11
651	2818850	A	CN-UB-280DC-BB	For Coax Cables, Type N Female-BNC Female	280V / 195V	66.50	62.59	59.11
651	2818135	-	CN-UB/MP	Tongue for attaching CN-UB and CD-LAMBDA to Panels	- - / - -	5.58	5.21	5.02

SURGE PROTECTION DEVICES FOR TWO-WAY RADIO COMMUNICATION SYSTEMS

*

Features:

- Series devices are products designed for UHF frequencies.
- Available as series connected device with UHF or Type N connector.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	MCOV DC/AC	Price Each		
Mfr.	Mfr. Part No.					1	5	10
651	2782135	B	RF-TRAB	Transmit Cap 200 W Connection: UHF Fem/Fem	180V / 130V	87.13	82.00	77.44
*651	2765084	B	RF-TRAB 500	Transmit Cap 800 W Connection: UHF Fem/Fem	375V / 265V	87.13	82.00	77.44
*651	2782575	C	RF-TRAB-A1	Transmit Power 200 W Connection: UHF	180V / 130V	61.54	57.92	54.70

* Has CSA Approval

SURGE PROTECTION DEVICES FOR VIDEO SURVEILLANCE SYSTEMS

Features:

- C-UFB/E and CTNC-UFB/E have been specially designed to meet demands of video systems with isolated (floating) grounds.
- The protection circuits feature a hybrid circuit with fast acting silicon avalanche diode arrays line to shield and high current handling gas discharge tube protection line to shield, line to ground, and shield to ground.
- C-UFB are for video systems with grounded shield connections. Protected circuit features a hybrid circuit with a fast acting silicon avalanche diode array and high current handling gas discharge tube protection circuit line to shield (ground).
- Degree of protection in acc. with IEC 60529/EN 60 529 IP 20, Test Standards: IEEE C62.36.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	MCOV DC/AC	Price Each		
Mfr.	Mfr. Part No.					1	5	10
651	2782300	D	C-UFB- 5DC/E	Signal Voltage 5 V, BNC Female/Male, 50	5V DC	113.70	107.01	101.07
651	2782313	D	C-UFB-24DC/E	Signal Voltage 24 V, BNC Female/Male, 50	30V DC	113.70	107.01	101.07
651	2763604	D	C-UFB-5DC/E75	Signal Voltage 5 V, BNC Female/Male, 75	6.2V DC	113.70	107.01	101.07
651	2762087	D	CTNC-UFB-5DC/E	Signal Voltage 5 V, TNC Female/Male, 50	6V / 4V	154.94	145.83	137.73
651	2797858	D	C-UFB- 5DC	Signal Voltage 5 V, BNC Female/Male, 50	6V / 4V	132.30	124.52	117.60
651	2797861	D	C-UFB-24DC	Signal Voltage 24 V, BNC Female/Male, 50	30V / 21V	132.30	124.52	117.60

SURGE PROTECTION DEVICES FOR ISDN AND T1 INTERFACES

Features:

- Hybrid circuit provides low clamping voltage with high surge current discharge capability.
- Metal housing provides superior shielding (EMI/RFI) properties for high-speed data interfaces.
- Special designs for high data transmission without attenuation.
- Degree of protection in acc. with IEC 60529/EN 60 529 IP 20, Test Standards: IEEE C62.36.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	MCOV DC/AC	Price Each		
Mfr.	Mfr. Part No.					1	5	10
651	2748276	E	D-TR1/ISDNA/RJ45BB	Protect Adapt for ISDN S0 Bus, RJ45 Fem/Fem	6.2V / 50V	153.94	144.88	136.83
651	2858098	F	PT 2-ISDN NT-ST	Protection Plug for ISDN and T1 Interfaces	128V / 90V	88.67	83.45	78.81
651	2856113	F	PT 1x2-BE	Base for PT 2/ISDN NT-ST	128V / 90V	39.02	36.72	34.68
651	2838050	G	D-DS1-A/RJ45-BB	Protect Adapt for T1/E1 Systems, RJ45 Fem/Fem	7V DC	150.49	141.64	133.77

SURGE PROTECTION DEVICES FOR ANALOG PHONE LINES (POTS)

Features:

- Telecommunications protection with RJ12/RJ45 female connectors can be used internationally for the protection of analog telecom interfaces, such as, telephones, telefaxes, modems, and answering machines with a maximum operating voltage of 185 V.
- D-FM-A/RJ45-BB this product series is connected for analog phone lines (POTs). Hybrid silicon avalanche diode array and Gas Discharge Tube provides tight clamping voltage line to line on each signal pair and high surge current handling capacity line to line, line to shield, and shield to ground.
- MT-2FM-RJ12 is a DIN rail mount version of the D-FM-A/RJ45-BB. Ideal for RTU applications where phone lines are used for Telemetry. The IN and OUT connects can be made via screw clamp terminal blocks. The OUT side can be connected with RJ11 and RJ12 connectors. All 4 lines of interface are protected.
- Degree of protection in acc. with IEC 60529/EN 60 529 IP 20, Test Standards: IEEE C62.36.

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	MCOV	Price Each		
Mfr.	Mfr. Part No.					1	5	10
651	2818795	G	D-FM-A/RJ45-BB	Protect Adapt for Analog,RJ45 Female/Female	185V DC	135.55	127.58	120.49
651	2838937	H	MT-2FM-RJ12	Adapt for Rail Mounting On NS 35/7.5	185V DC	136.00	128.00	120.89

SURGE PROTECTION FOR DATA NETWORKS / ETHERNET

Features:

- Metal housing improves shielding and overall performance.
- Independent testing certifies low attenuation and interference requirements of CAT 5E cabling with 10/100 Base T Ethernet.
- All eight pins of the RJ45 connection are protected, ensuring complete protection independent of connector wiring.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	MCOV	Price Each
Mfr.	Mfr. Part No.					
651	2858991	I	D-LAN-CAT.5E	Protect Adapt LAN Interface, Includes RJ45 Cable	7V DC	97.98
651	2859084	I	D-LAN-CAT.5E-U	Adapt LAN with Universal DIN Rail Mount Foot	7V DC	92.35

SURGE PROTECTION FOR ANTENNA CONNECTIONS

NEW FROM SUPPLIER

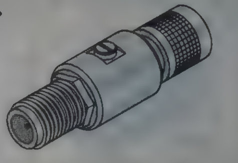
Features:

- Used for high frequency applications
- Discharge surge current is 60KA
- VSWR in a 50 ohm system is 1.15dB or less from 2.4-5.9GHz
- Protects 802.11 radio and Bluetooth
- Uses lambda/4 branch line technology

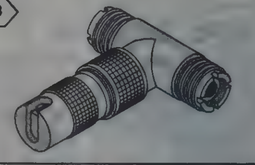
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Phoenix Type	Description	Price Each		
Mfr.	Mfr. Part No.				1	5	10
651	2838490	J	CD-LAMBDA/4-5.9-BB	CoaxTRAB, protective adapter for antenna connections	91.80	85.68	82.62

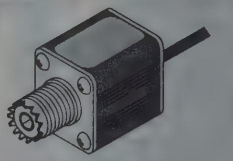
A



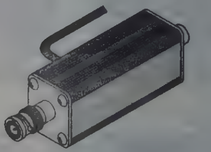
B



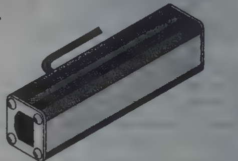
C



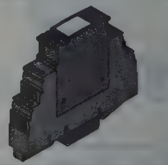
D



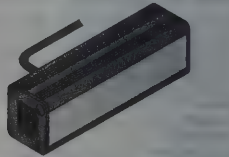
E



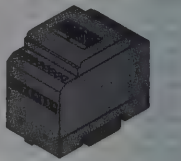
F



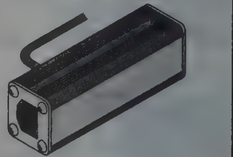
G



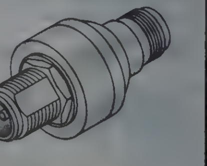
H



I



J



SOLA/HEVI-DUTY Data / Signal Surge Protection

STC - DRS SERIES DIN RAIL PROTECTION

The Sola STC-DRS series is a DIN Rail mountable, single pair surge suppression. Module implementing three-stage hybrid technology. This module addresses over voltage transients with gas tubes and silicon avalanche components.

Features:

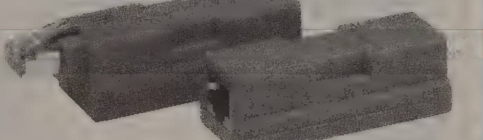
- Data Surge Protection
- Three-Stage Hybrid Protection
- Resettable Fuses (PTCs)
- Low Profile Packaging
- Fits STD 38<< DIN Rail
- UL 497B Listed
- Typical Capacitance 1500PF

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Max Peak Signal Voltage	Nominal Breakdown Voltage	Max Continuous Current	Dimensions	Price Each
663-STC-DRS-036	STC-DRS-036	15	22	150ma	2.95x.8x2.35	67.84
663-STC-DRS-060	STC-DRS-060	30	36	150ma	2.95x.8x2.35	67.84
663-STC-DRS-232	STC-DRS-232	52	60	150ma	2.95x.8x2.35	67.84

STC - POE SERIES FOR CAT 5 POWER OVER ETHERNET

The Sola STC- PoE series is designed to work on Cat 5 PoE transmission lines as well as Cat 6 applications. They feature They feature both female to female and male to female RJ-45 connection options for ease of installation. The STC-PoE series is ideally suited to protect expensive equipment and critical comm/data transfer from internally generated transients and noise.



Features:

- Exceeds CAT 5 PoE & 6 Transmission values
- Applications up to 60 VDC @ 300mA

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	DC Breakover Voltage	Peak Surge Energy	Connector	Dimensions	Price Each
663-STC-P0E-65FF	STC-POE-65FF	65VDC	300W	RJ-45 (F-F)	2.3x1x.8	52.76
663-STC-P0E-65MF	STC-POE-65MF	65VDC	300W	RJ-45 (M-F)	2.3x1x.8	52.76

STC - 642 SERIES DATA / SIGNAL LINE PROTECTION

The STC-642 series of surge suppressors are dual pair (four wire) modules using three-stage hybrid technology. This module addresses over voltage transients with gas tubes and silicon avalanche components. The PTCs increase resistance several orders of magnitude when over currents exceed safe levels. A normal state resumes when over currents are removed.

SOLA
800-377-4384
STC-642-020
ISOLATED LOOP CIRCUIT PROTECTOR
MADE IN MEXICO
LISTED
497B

Features:

- Lightning Protection for Low Voltage Data Signal Lines
- Three-stage protection
- Fast response time
- UL Listed 497B

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Peak Surge Current 10x	Response Time	Operating Temp.	Dimensions	Price Each
663-STC-642-020	STC-642-020	8x20 10kA	1ns	-40°C to +85°C	2.05x1x2.4	74.30
663-STC-642-036	STC-642-036	8x20 10kA	1ns	-40°C to +85°C	2.05x1x2.4	74.30

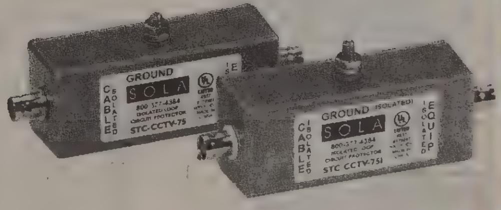
Accessories

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
663-STC-PCB1B	Base for all 642 models	20.46
663-STC-FM4-DRC	DIN Rail Mounting Clip for STC-PCB1B	17.23

STC - CCTV COAX SERIES, STC TEL SERIES

The STC-CCTV Series is tailored specifically to CCTV, data, audio and cable applications. These units are single Coax Surge Protective Devices implementing three-stage hybrid technology. They address overvoltage transients with a primary gas discharge tube, and secondary silicon avalanche diode components. The STC-CCTV units are designed in accordance with NFPA 780 requirements, with up to 20kA of surge current capability.



Features:

- Hybrid, Three-Stage Technology
- Low Insertion Loss
- Shielded Case
- Sneal / Fault Current Protection
- 1 Nano Second response Time
- UL497A Listed

CCTV Coax Series

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Operating Voltage	Frequency Range	Connector	Operating Temperature	Price Each
663-STC-CCTV-75	STC-CCTV-75	5	0 to 20 MHz	BNC, 50Ohm	-40°C to +85°C	91.53
663-STC-CCTV-75I	STC-CCTV-75I	5	0 to 20 MHz	BNC, 50Ohm	-40°C to +85°C	96.92

TEL Series

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Maximum Peak Signal Voltage	Nominal Breakdown Voltage	Maximum Continuous Current	Price Each
663-STC-TEL-200T	STC-TEL-200T	220	270	150ma	47.38

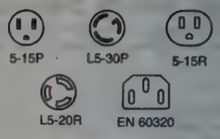
SOLA/HEVI-DUTY Power Protection and Conditioning

RoHS Compliant **This page of product is compliant.**

MCR & MPC PORTABLE SERIES - POWER LINE CONDITIONING WITH VOLTAGE REGULATION

The MCR and MPC provide excellent noise filtering and surge protection to protect connected equipment from damage, degradation or mis operation. Combined with the excellent voltage regulation inherent to Sola/Hevi-Duty's patented ferroresonant design, they can increase the actual Mean Time Before Failure (MTBF) of protected equipment.

These units are a perfect choice where dirty power caused by impulses, swell, sags, brownouts and waveform distortion can lead to costly downtime because of damaged equipment.



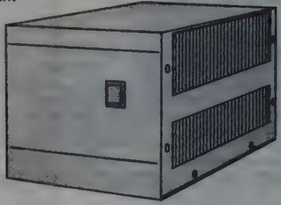
Features:

- ±3% output voltage regulation.
- Noise attenuation
- 120dB common mode
- 60 dB transverse mode
- Harmonic filtering
- Galvanic isolation
- Surge suppression tested to ANSI/IEEE C63.41 Class A & B Waveform: <10 V let through typical
- Galvanic isolation provides exceptional circuit protection.
- Point-of-use Protection (cord & plug connected)
- Easy & Flexible Installation.
- 25 year typical MTBF.
- No maintenance required.

Applications:

- Computers/ Printers
- POS terminals
- Laboratory equipment
- Telephone/FAX systems
- Security systems
- LAN networks

RoHS Compliant

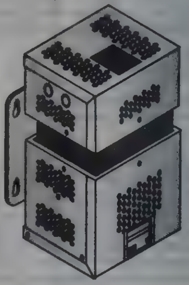


For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA	Voltage Input/Output	Dimensions (in.)			Weight (lbs.)	Receptacle (No.)/ Type (NEMA)	Plug (NEMA)	Price Each
				H	W	D				
Group A – MCR Portable Series, 60 Hz										
663-63-13-070-6	63-13-070-6	70	120	6	7	9	18	(4) 5-15R	5-15P	**253.52**
663-63-13-115-6	63-13-115-6	150	120	6	7	9	21	(4) 5-15R	5-15P	**405.77**
663-63-13-150-6	63-13-150-6	500	120	9	9	16	32	(4) 5-15R	5-15P	**748.57**
663-63-13-210-6	63-13-210-6	1000	120	9	9	16	69	(4) 5-15R	5-15P	**1100.70**

MCR HARDWIRED SERIES - POWER LINE CONDITIONING WITH VOLTAGE REGULATION

The MCR Hardwired Series provides excellent noise filtering and surge suppression to protect connected equipment from damage, degradation, or mis-operation. Combined with the excellent voltage regulation inherent to Sola/Hevi-Duty's patented ferroresonant design, the MCR can increase the actual Mean Time Before Failure (MTBF) of protected equipment. The MCR is a perfect choice where dirty power, caused by impulses, swell, sags, brownouts, and waveform distortion can lead to costly downtime because of damaged equipment.



Features:

- Line regulation: ± 3%
- Noise attenuation
- 120dB common mode
- 60 dB transverse mode
- Harmonic filtering
- Galvanic isolation
- Surge suppression tested to ANSI/IEEE C63.41 Class A & B Waveform: <10 V let through typical

RoHS Compliant

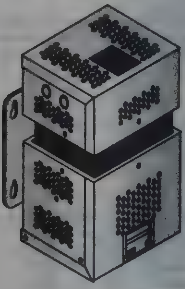
✻ Shipped Factory Direct

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA	Input Voltage	Output Voltage	Dimensions (in.)			Weight (lbs.)	Price Each
					H	W	D		
663-63-23-112-4	63-23-112-4	120	120, 208, 240, 480	120	9	4	5	15	**351.49**
663-63-23-125-4	63-23-125-4	250	120, 208, 240, 480	120	10	5	8	27	**403.00**
663-63-23-150-8	63-23-150-8	500	120, 208, 240, 480	120, 208, 240	13	8	7	37	**670.28**
663-63-23-210-8	63-23-210-8	1000	120, 208, 240, 480	120, 208, 240	17	8	7	62	**1019.08**

CVS HARDWIRED SERIES - CONSTANT VOLTAGE TRANSFORMERS

Superior voltage regulation of ±1% sets the CVS series apart from other power conditioning technologies on the market. Extremely tight regulation is accomplished by Sola/Hevi-Duty's patented ferroresonant transformer technology. The CVS recreates a well regulated sinusoidal waveform that is well isolated from input disturbances including impulses, brownouts, swells, sags, and severe waveform distortion.



Features:

- Superior voltage regulation ± 1%
- Harmonic filtering
- Hardwired
- Galvanic isolation
- Acts as a step-up/step-down transformer
- 25-year typical MTBF

RoHS Compliant

✻ Shipped Factory Direct

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA	Input Voltage	Output Voltage	Dimensions (in.)			Weight (lbs.)	Price Each
					H	W	D		
663-23-13-030-2	23-13-030-2	30	120	120	7	4	5	9	**277.20**
663-23-13-060-2	23-13-060-2	60	120	120	7	4	5	9	**312.74**
663-23-22-112-2	23-22-112-2	120	120, 240	120	8	4	5	13	**415.87**
663-23-23-125-8	23-23-125-8	250	120, 240, 480	120	11	6	8	29	**568.21**
✻663-23-23-210-8	23-23-210-8	1000	120, 208, 240, 480	120, 240	17	9	7	65	**1334.34**

STF SERIES - ACTIVE TRACKING FILTERS

NEW FROM SUPPLIER

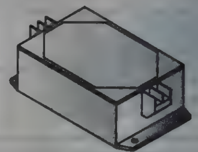
The Sola STF Series offers the original active tracking technology to guard against common occurring, but very damaging, lower energy transients. Offering excellent noise reduction, the filter continuously tracks the input AC power line and responds instantly upon detecting extraneous high frequency noise. These devices are designed to meet UL 1283, and CSA C22.2 for Electromagnetic Interference Filters. STFs attenuate or reduce the amplitude of noise to a minumum of 40dB that occurs in a frequency range of 50KHz to 50MHz. STFs provide the industry's best IEEE Category "A" protection, typically reducing normal mode transients to ±5 Volts.

Features:

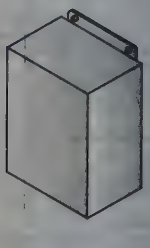
- Non degrading, series filter technology for total durability
- High Frequency Noise Filter, RLC low-pass filter
- Single phase applications up to 30A
- Three phase applications up to 200A
- Operating Temperature from -40°C to +45°C
- Hardwired connection
- UL1283 Listed or recognized CSA
- Attenuates noise to 40dB in range of 50KHz to 50MHz

RoHS Compliant

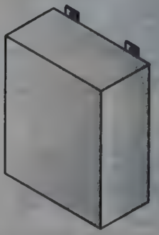
A



B



C



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Fig.	Amps	Min. Wire Size	Fuse/Circuit Suggest	Breaker Amp Max	Price Each
663-STF0025-10N	STF0025-10N	A	2.5	26	2.5	3.125	**92.61**
663-STF0050-10N	STF0050-10N	A	5	22	5	6.25	**129.23**
663-STF0075-10N	STF0075-10N	A	7.5	18	7.5	9.375	**172.30**
663-STF0150-10N	STF0150-10N	A	15	14	15	18.75	**289.69**
663-STF0025-24L	STF0025-24L	A	2.5	26	2.5	3.125	**132.46**
663-STF0050-24L	STF0050-24L	A	5	22	5	6.25	**203.53**
663-STF0075-24L	STF0075-24L	A	7.5	18	7.5	9.375	**268.15**
663-STF0150-24L	STF0150-24L	A	15	14	15	18.75	**437.23**
663-STF0150-10Y	STF0150-10Y	B	15	14	15	18.75	**807.69**
663-STF0300-10Y	STF0300-10Y	B	30	10	30	37.5	**1242.76**
663-STF0500-10Y	STF0500-10Y	C	50	4	50	62.5	**1907.23**
663-STF1000-10Y	STF1000-10Y	C	100	2	100	125	**3199.53**
663-STF0150-24D	STF0150-24D	B	15	14	15	18.75	**807.69**
663-STF0300-24D	STF0300-24D	B	30	10	30	37.5	**1242.76**
663-STF0500-24D	STF0500-24D	C	50	4	50	62.5	**1907.23**
663-STF1000-24D	STF1000-24D	C	100	2	100	125	**3199.53**
663-STF0150-27Y	STF0150-27Y	B	15	14	15	18.75	**922.92**
663-STF0300-27Y	STF0300-27Y	B	30	10	30	37.5	**1625.07**
663-STF0500-27Y	STF0500-27Y	C	50	4	50	62.5	**2461.84**
663-STF1000-27Y	STF1000-27Y	C	100	2	100	125	**4135.38**
663-STF0150-48D	STF0150-48D	B	15	14	15	18.75	**922.92**
663-STF0300-48D	STF0300-48D	B	30	10	30	37.5	**1625.07**
663-STF0500-48D	STF0500-48D	C	50	4	50	62.5	**2461.84**
663-STF1000-48D	STF1000-48D	C	100	2	100	125	**4135.38**

SOLA/HEVI-DUTY UPS and Surge Suppression

SDU OFF-LINE DIN RAIL UNINTERRUPTIBLE POWER SUPPLY

Features:
- Lightweight, compact industrial design
- Wide operation temperature range (0-50°C)
- Cold start capability
- Phone/dataline surge protection
- Software and cable included for easy installation
- RS232 Communication port (USB optional)
- Shipped Factory Direct

Approvals:
- **No derating required in UL508 applications**
- 120V models are UL1778 cULus recognized for industrial applications without derating
- 230V models are CE marked

UL 1778
Ind. Application
E178213

* Full load

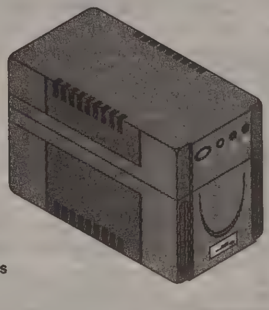
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Capacity (VA/W)	Volts, Frequency In/Out	Typical Runtime*	Input/Output Connections (all models)	Price Each
663-SDU500	SDU500	500/300	120 VAC, 50/60Hz	4 min.	IP20 touch proof,	**249.00**
663-SDU850	SDU850	850/510	120 VAC, 50/60Hz	2 min.	screw terminals	**349.00**
663-SDU500-5	SDU500-5	500/300	230 VAC, 50/60Hz	4 min.	Wire range:	**299.00**
663-SDU850-5	SDU850-5	850/510	230 VAC, 50/60Hz	2 min.	10 ~ 24 AWG	**399.00**

S1K OFF-LINE UNINTERRUPTIBLE POWER SYSTEMS

Economical protection from damaging impulses and power interruptions. Separate outlets for critical devices which need battery backup, and surge protected only outlets for non-critical devices.

5-15P 5-15R



Features:
- 115VAC, 50 or 60Hz In/Out
- Step sinewave output
- DB9 communications interface
- Auto Voltage Regulation on S1K320 and S1K520
- One year warranty

* For a typical PC with a 15" monitor.

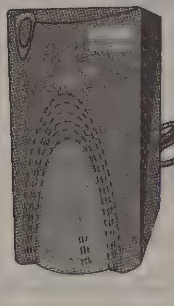
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Capacity (VA/W)	Input Plug/ Output Receptacle	Typical Runtime*	Price Each
663-S1K320	S1K320	320/240	- - - - -	10 min.	**112.27**
663-S1K520	S1K520	520/340	5-15P/5-15R	15 min.	**132.87**
663-S1K650	S1K650	650/390	(3) Battery	15 min.	**222.48**
663-S1K850	S1K850	850/600	(1) Surge	25 min.	**313.12**
663-S1K1200	S1K1200	1200/720	- - - - -	30 min.	**499.00**
663-S1K1500	S1K1500	1440/900	5-15P/5-15R (4) Battery	70 min.	**549.00**

S2K LINE INTERACTIVE UNINTERRUPTIBLE POWER SYSTEMS

Features:
- Data line protection for telephones or networks
- Modem or fax surge suppression
- Line interactive technology
- EMI/RFI filtering to FCC Class B
- Network interface capability for future upgrading
- Advanced microprocessor design improves reliability
- 50/60 Hz. rated
- User changeable batteries (hot swap)
- 120 volt models are cULus listed
- 230 volt models are TUV and CE marked
- Two year warranty

Applications:
- PC's, workstations, PLC's and computer peripherals



For quantities of 2 and up, call for quote.

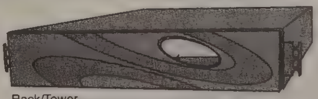
MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA/W	Typical Runtime *	Volts In/Out	Plugs/Receptacles	Price Each
663-S2K350	S2K350	350/210	8/26 min.	120/120	5-15P / (6) 5-15R	**155.53**
663-S2K500	S2K500	500/300	8/24 min.	120/120	5-15P / (6) 5-15R	**250.29**
663-S2K650	S2K650	650/390	5/16 min.	120/120	5-15P / (6) 5-15R	**352.26**
663-S2K1000	S2K1000	1000/600	5/16 min.	120/120	5-15P / (8) 5-15R	**489.25**

* Full/half load

S3K AND S3K2U LINE INTERACTIVE UNINTERRUPTIBLE POWER SYSTEMS

Features:
- Line interactive technology with automatic voltage regulation
- Advanced microprocessor design improves reliability
- EMI/RFI filtering to FCC, Part 15 and EN50091
- Rack/Tower (S3K2U) design includes hardware for rack or tower mounting
- Network interface capability for future upgrading
- User changeable batteries (hot swap)
- 120 volt models are cULus listed
- 230 volt models are CE marked
- Sine wave output
- 50/60 Hz. rated
- Two year warranty

Applications:
- Applications: PC's, fileservers, LAN equipment, retail POS equipment, telecommunications, modems

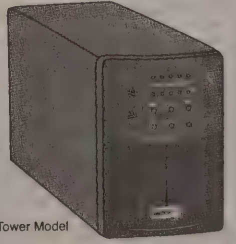


Rack/Tower

* Full/half load

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	VA/W	Typical Runtime*	Volts In/Out	Plugs/Receptacles	Price Each
Tower Model						
663-S3K700	S3K700	700/480	5/14 min.	120/120	5-15P / (4) 5-15R	**530.45**
663-S3K1000	S3K1000	1000/750	4/13 min.	120/120	5-15P / (4) 5-15R	**736.45**
663-S3K1600	S3K1600	1600/1200	3/10 min.	120/120	5-15P / (6) 5-15R	**993.95**
Rack/Tower Model						
663-S3K2U1000	S3K2U1000	1000/750	11/26 min.	120/120	5-15P/(8) 5-15R	**895.07**
663-S3K2U1440	S3K2U1440	1440/1080	5/16 min.	120/120	5-15P/(8) 5-15R	**1101.07**
663-S3K2U2200	S3K2U2200	2200/1650	5/16 min.	120/120	L5-30P/(6) 5-15R, (2) 5-20R	**1749.97**

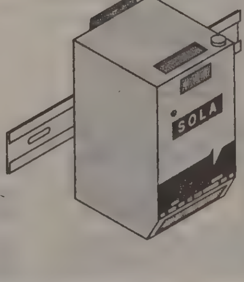


Tower Model

STV25K DIN RAIL SURGE SUPPRESSION

The STV25K DIN Rail series provides point-of-use protection, at the dedicated equipment level, against damaging transients. These devices provide 50,000 amps of surge protection, sinewave tracking, LED status indication and form "C" dry contacts. This DIN Rail series also provides protection on all electrical paths and comes with a standard ten year product warranty. The STV25K DIN Rail series surge suppressors are UL recognized to Standard 1449, 2nd Edition.

Features:
- Compact and narrow design maximizes panel space.
- Low clamping levels for more effective protection.
- Easy access terminal screws for quick mounting and installation.
- Ten year warranty
- 50,000 amps of surge protection.
- Sinewave tracking and all mode protection provide consistent and reliable protection on all electrical paths.
- Patented thermal fusing prevents MOV overheating caused by excessive current levels.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Sola/Hevi-Duty Part No.	Input Voltage	Max. Continuous Operating Voltage	Price Each	
				1	5
663-STV25K-10S	STV25K-10S	120 VAC, 0-135 VRMS	120 VAC - 150 VRMS	**179.29**	**172.19**
663-STV25K-24S	STV25K-24S	240 VAC, 0-260 VRMS	240 VAC - 275 VRMS	**185.66**	**178.30**

TRIPP LITE Power Protection Solutions

RoHS Compliant **This page of product is compliant.**

DIGITAL UPS SYSTEMS

Features:

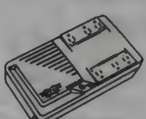
- Rotatable LCD Status Screen
- 8 outlets safeguard an entire computer or home entertainment center
- Power button offers convenient, one-touch power control
- Up to $250,000 Ultimate Lifetime Insurance

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
545-OMNI650LCD	OMNI650LCD	650/350	8	1 USB	15 min.	165.60
545-OMNI900LCD	OMNI900LCD	900/475	8	1 USB	17 min.	184.00
545-SMART1000LCD	SMART1000LCD	1000/500	8	1 USB	14 min.	242.55
545-SMART1200LCD	SMART1200LCD	1200/700	8	1 USB	15 min.	292.73
545-SMART1500LCD	SMART1500LCD	1500/900	8	1 USB	17 min.	359.64

INTERNET OFFICE® DESKTOP AND TOWER STANDBY UPS SYSTEMS



Features:

- Reliable battery backup plus AC line and phone/DSL surge suppression
- Up to 8 outlets (4 UPS/surge, 4 surge-only) protect an entire setup, including printers and other heavy-draw devices
- Communication port and FREE PowerAlert Software (web download) enable unattended system shutdown
- Up to $150,000 Ultimate Lifetime Insurance

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
Desktop Models						
545-INTERNET350U	INTERNET350U	350/180	8+tel/DSL	1 USB	12 min.	62.73
545-INTERNET550U	INTERNET550U	550/300	8+tel/DSL	1 USB	10 min.	81.96
545-INTERNET550SER	INTERNET550SER	550/300	8+tel/DSL	1 DB9	10 min.	76.95
Tower Models						
545-IO500	INTERNETOFFICE500	500/280	6+(2) tel/DSL	1 USB	17 min.	148.87
545-IO700	INTERNETOFFICE700	700/425	6+tel/DSL	1 USB	17 min.	175.64

BC SERIES TOWER STANDBY UPS SYSTEMS

Features:

- Basic standby battery backup for personal computers
- BCPRO models include a USB port that works with FREE PowerAlert software (web download) for unattended shutdown
- Up to $200,000 Ultimate Lifetime Insurance

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
BC Personal® UPS Systems						
545-300	BCPERS300	300/175	3	–	17 min.	98.69
545-450	BCPERS450	450/280	3	–	17 min.	122.11
BC Pro® UPS Systems						
545-600	BCPRO600	600/345	6 + tel/DSL	1 USB	19 min.	170.62
545-1400	BCPR01400	1400/940	6	1 USB	24 min.	593.82

VS SERIES TOWER LINE-INTERACTIVE UPS SYSTEMS

Features:

- Up to 8 outlets (6 UPS/surge, 2 surge-only) protect an entire computer setup, including printers and heavy-draw devices
- Automatic voltage regulation ensures connected equipment receives constant, 120V computer-grade power
- Built-in tel/DSL or tel/DSL/Ethernet jacks
- USB port and FREE PowerAlert Software (web download) provide unattended system shutdown
- Extended runtime capability (OMNIVS1500XL only)
- $200,000 Ultimate Lifetime Insurance

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
545-SMART550USB	SMART550USB	550/300	6+tel/DSL	1 USB	17 min.	150.55
545-SMART750USB	SMART750USB	750/450	6+tel/DSL/Ethernet	1 USB	17 min.	184.00
545-OMNIVS800	OMNIVS800	800/475	7+tel/DSL	1 USB	19 min.	167.27
545-OMNIVS1000	OMNIVS1000	1000/500	8+tel/DSL	1 USB	18 min.	192.36
545-OMNIVS1500XL	OMNIVS1500XL	1500/940	8+tel/DSL/Ethernet	1 USB	14+ min.	314.47

SMARTONLINE™ TRUE ON-LINE TOWER AND RACK/TOWER UPS SYSTEMS

Features:

- Constant on-line operation with pure sine wave output and zero transfer time
- DB9 port, PowerAlert Power Management Software
- Flexible 2U rack/tower models adapt to rack, stack or tower applications
- SNMP slot and 2 individually controllable load banks
- Extended runtime capability (+) with optional external battery packs
- $250,000 Ultimate Lifetime Insurance

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
Tower Models						
545-SU1000XL	SU1000XL	1000/800	6	1 DB9	18+ min.	633.96
545-SU2200XL	SU2200XL	2200/1600	7	1 DB9	18+ min.	1219.42
Rack/Tower Models						
545-SU1000RTXL2UA	SU1000RTXL2UA	1000/800	6	1 DB9	18+ min.	767.78
545-SU2200RTXL2UA	SU2200RTXL2UA	2200/1600	6	1 DB9	18+ min.	1480.36

MEDICAL-GRADE UPS SYSTEMS

Features:

- UL-60601-1 listed for use in patient care areas
- Full isolation protects medical equipment and computers
- Hospital-grade (HG) plug and receptacles
- Built-in isolation transformer with Faraday Shield reduces cumulative leakage current to less than 300mA
- Supports equipment through blackouts and brownouts with battery backup and automatic voltage regulation

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	VA/W	Outlets	Comm. Ports	1/2 Load Runtime	Price Each
545-OMNISMART350HG	OMNISMART350HG	330/225	4+(2) tel/DSL	1 DB9	46 min.	482.73
545-SMART700HG	SMART700HG	700/450	4	1 USB+1 DB9	42 min.	721.64
545-SMART1200XLHG	SMART1200XLHG	1000/750	4	1 USB+1 DB9	34+min.	926.18

MEDICAL-GRADE ISOLATION TRANSFORMERS

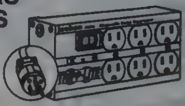
Features:

- UL-60601-1 listed for use in patient care areas
- Full isolation protects medical equipment and computers
- Hospital-grade (HG) plug and receptacles
- Faraday shielding reduces cumulative leakage current to less than 300mA

RoHS Compliant

MOUSER STOCK NO.	Tripp Lite Part Number	Output Capacity	Outlets	Price Each
545-IS250HG	IS250HG	250W	2	204.55
545-IS500HG	IS500HG	500W	4	296.18
545-IS1000HG	IS1000HG	1000W	4	463.09
545-IS1800HG	IS1800HG	1800W	6	702.00

UTILITY SURGE SUPPRESSORS W/HOSPITAL GRADE OUTLETS



Features:

- Stop damaging surges, spikes, and line noise
- Hospital-grade (HG) plug and receptacles

RoHS Compliant

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Joules	Cord Length	Price Each
545-SPS-615-HG	SPS-615-HG	6	450	15'	90.00
545-ISOBAR6ULTRAHG	ISOBAR6ULTRAHG	6	600	15'	95.73

UTILITY POWER STRIPS WITH HOSPITAL GRADE RECEPTACLES

Features:

- Hospital-grade (HG) plug and receptacles
- Rackmount (1U) and strip formats
- PS-615-HGULTRA features GFCI protection

*UL60601-1/60950-1 Compliance

RoHS Compliant **For quantities of 2 and up, call for quote.**

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Cord Length	Price Each
545-PS-415-HG	PS-415-HG	4	15'	71.60
545-PS-415-HGULTRA	PS-415-HGULTRA *	4	15'	104.73
545-PS-606-HG	PS-606-HG	6	6'	79.78
545-PS-615-HG	PS-615-HG	6	15'	84.27
545-PS-615-HGULTRA	PS-615-HGULTRA	6	15'	133.36
545-RS-1215-HG	RS-1215-HG	12	15'	117.00

ISOBAR® PREMIUM SURGE SUPPRESSORS

Features:

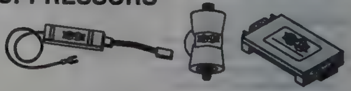
- The world's most trusted premium surge suppressor - more than 15 million in use worldwide
- Isolated filter banks eliminate interference between connected equipment
- All-metal housings won't burn, melt or crack
- ULTRA models include diagnostic LED's
- Rackmount models fit standard 19" (1U) rack space
- Up to $50,000 Ultimate Lifetime Insurance

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Joules	Cord Length	Price Each
545-ISOBAR4ULTRA	ISOBAR4ULTRA	4	2200	6'	63.75
545-ISOBAR6	ISOBAR6	6	2350	6'	69.33
545-ISOTEL6ULTRA	ISOTEL6ULTRA	6+(2) tel/DSL	2850	6'	85.73
Rackmount Models					
545-ISOBAR12ULTRA	ISOBAR12ULTRA	12	1280	15'	126.73
545-DRS1215	DRS-1215	14	1050	15'	69.09
Direct Plug-in Models					
545-ISOBLOK2-0	ISOBLOK2-0	2	600	direct plug-in	31.24
545-ULTRABLOK428	ULTRABLOK428	2	600	direct plug-in	41.00
545-ULTRACOPY	ULTRACOPY	2 (20A)	600	direct plug-in	57.78

NETWORK SURGE SUPPRESSORS



Features:

- The industry's most complete line of network cable protection
- Lifetime product warranty

RoHS Compliant

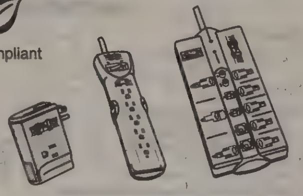
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part No.	Description	Price Each
545-DNET1	DNET1	RJ45 100BaseT, 10BaseT, token ring, RS232, AS400/Sys 3x protector for NIC's	23.18
545-DB9	DB9	Serial DB9 RS-232 protector (pins 1-9) for any male or female 9 pin port	18.55
545-DTEL2	DTEL2	RJ11/45 two line dial-up protector, ideal for modems, faxes, answering machines	25.11

TRIPP LITE Power Protection and Mobile Power Solutions

RoHS Compliant This page of product is compliant.

PROTECT IT!™ SURGE SUPPRESSORS



RoHS Compliant

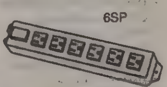
Features:

- Protect all computers & home/office electronics
- Economical, reliable protection against damaging surges, spikes, and line noise
- Select models offer tel/modem, coaxial and/or Ethernet surge protection
- Up to $250,000 Ultimate Lifetime Insurance

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Joules	Cord Length	Price Each
545-TLP404	TLP404	4	390	4'	7.80
545-TLP602	TLP602	6	250	2'	6.71
545-TLP604TEL	TLP604TEL	6 + tel/DSL	870	4'	10.07
545-TLP606	TLP606	6	750	6'	9.16
545-STRIKER	STRIKER	7	750	6'	11.56
545-SUPER7	SUPER7	7	2350	7'	21.25
545-SUPER7TEL	SUPER7TEL	7 + tel/DSL	2470	7'	28.60
545-SUPER7TEL15	SUPER7TEL15	7 + tel/DSL	2720	15'	42.87
545-TLP707TEL	TLP707TEL	7 + tel/DSL	1270	7'	17.89
545-TLP808	TLP808	8	1900	8'	24.60
545-TLP808TELTV	TLP808TELTV	8 + tel/DSL + coax	3500	8'	37.27
545-TLP810SAT	TLP810SAT	8 + tel/DSL + 2 coax	3570	10'	48.45
545-TRAVELER	TRAVELER	2+ tel/DSL	1050	direct plug-in	17.53
545-TRAVELERC6	TRAVELER C6	2 3-prong (C6) + tel/DSL	1130	inline	22.36
545-TRAVELERC8	TRAVELER C8	2 2-prong (C8) + tel/DSL	1130	inline	22.36

WABER BY TRIPP LITE SURGE SUPPRESSORS & POWER STRIPS



Features:

- Ideal for industrial, office, school, and lab applications
- A seamless steel case with baked-on finish on select models
- Available in keyhole(K) or flange(F) mount.

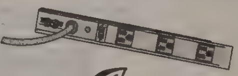
RoHS Compliant

Outlet Strips

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Mounting Options	Body Length	Cord Length	Price Each
545-3SP	3SP	3	K/F	7.38"	6'	23.73
545-4SPDX	4SPDX	4	K	7.5"	6'	20.05
545-602	602	5	K/F	7.38"	6'	21.27
545-602-15	602-15	5	K/F	7.38"	15'	31.09
545-6SP	6SP	6	K/F	12.5"	6'	32.73
545-6NX6	6NX6	6	K	12.5"	6'	19.24
545-6SPDX	6SPDX	6	K	12.5"	6'	24.15
545-6SPDX-15	6SPDX-15	6	K	12.5"	15'	31.09
545-UL24CB-15	UL24CB-15	6	K/F	12.5"	15'	40.51
545-UL24RA-15	UL24RA-15	6 (90°)	K/F	12.5"	15'	41.73
545-UL620-15	UL620-15	6 (20A)	K/F	12.5"	15'	94.51
545-UL800CB-15	UL800CB-15	10	K/F	17.5"	15'	63.82

POWER STRIPS AND POWER DISTRIBUTION UNITS



Features:

- Mount in rack enclosures, along walls, or on desks or workbenches
- Rugged, all-metal cases stand up to the most demanding environments
- 1U rackmount models mount horizontally in a standard 19 inch rack

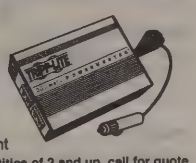
RoHS Compliant

* Twist-Lock Plug † Includes surge protection

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Outlets	Length	Cord Length	Price Each
545-PS2408	PS2408	8	24"	15'	49.45
545-PS3612	PS3612	12	36"	15'	53.09
545-PS4816	PS4816	16	48"	15'	56.36
545-PS6020	PS6020	20	60"	15'	65.45
545-PS7224	PS7224	24	72"	15'	69.09
545-PS7224-20	PS7224-20	24 (20A)	72"	15'	90.91
*545-PS7224-20T	PS7224-20T	24 (20A)	72"	15'	96.73
545-PS3612-20HW	PS3612-20HW	12 (20A)	36"	hardwire	43.64
545-PS7224-20HW	PS7224-20HW	24 (20A)	72"	hardwire	69.82
*545-SS7415-15	SS7415-15	16	48"	15'	83.64
*545-SS7619-15	SS7619-15	24	72"	15'	94.55
1U Rackmount Models					
545-RS-1215	RS-1215	6 front / 6 rear	19"	15'	60.36
545-RS1215-20	RS-1215-20	6 front / 6 rear (20A)	19"	15'	74.91
545-RS1215-RA	RS-1215-RA	6 front / 6 rear (right angle)	19"	15'	61.82
545-RS0615-R	RS-0615-R	6 rear	19"	15'	60.36
545-RS0615-F	RS-0615-F	6 front	19"	15'	60.36
Power Distribution Units					
545-PDU1215	PDU1215	1 front / 12 rear	19"	15'	85.82
545-PDU1220	PDU1220	1 front / 12 rear (20A)	19"	15'	136.73
† 545-PDU1220T	PDU1220T	1 front / 12 rear (20A)	19"	15'	145.45

POWERVERTER® ULTRA-COMPACT INVERTERS



Features:

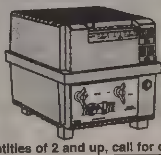
- Permanent-mount and portable power solutions
- Small enough to store or mount inside any car, pickup, conversion van, or trailer
- PV150-PV600 models are the perfect mobile power solution for business travelers with cigarette lighter adapter included
- PV1800HF and PV1000HF models provide a permanently mounted, convenient power center allowing you to outfit your RV or trailer with an entire kitchen or entertainment system.

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Input	Regular/Peak Output Wattage	Outlets	Price Each
545-PV150	PV150	12VDC	150/300	1	42.73
545-PV375	PV375	12VDC	375/600	2	67.27
545-PV600	PV600	12VDC	600/1200	3	121.82
545-PV1000HF	PV1000HF	12VDC	1000/2000	4	290.91
545-PV1800HF	PV1800HF	12VDC	1800/2700	3	407.27

POWERVERTER® HIGH SURGE INVERTERS



Features:

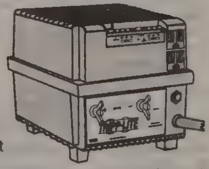
- Industrial-strength power for vehicular mounting
- Ideal for powering most electric motor-driven equipment
- Provides high peak surge power (up to 200% of rated output) to start and run heavy-draw devices
- Made to withstand vibration and impact - ideal for mounting in RV's, fleet vehicles and more.

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Input	Regular/Peak Output Wattage	Outlets	Price Each
545-PV750FC	PV750FC	12VDC	750/1500	2	254.70
545-PV1250FC	PV1250FC	12VDC	1250/2500	2	380.00
545-PV2000FC	PV2000FC	12VDC	2000/4000	2 (20A)	581.82

POWERVERTER® INVERTER/CHARGERS



Features:

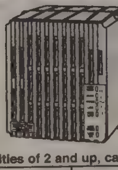
- Permanent-mount or mobile uninterruptible power for equipment
- Provide AC power while utility power is available and charge user-supplied DC batteries at the same time
- Switch to frequency controlled AC power drawn from attached batteries when no AC power is available
- Advanced, modified sine wave output, frequency control and output voltage regulation for sensitive equipment
- Ideal AC power for RVs, boats, solar panels and any other large load equipment

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Input	Regular/Peak Output Wattage	Outlets	Price Each
545-APS750	APS750	12VDC	750/1500	2	466.69
545-APS1250	APS1250	12VDC	1250/2500	2	644.00
545-APS2012	APS2012	12VDC	2000/4000	Hardwire	945.09

LINE CONDITIONERS



Features:

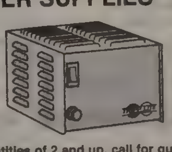
- Automatic Voltage Regulation (AVR) corrects (brownouts) and high voltage conditions
- Diagnostic LEDs signal power problems before equipment is put at risk
- Built-in surge and line noise protection
- Rackmount and wallmount models available
- $25,000 Ultimate Lifetime Insurance

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Watts	Description	Outlets	Price Each
545-LS606M	LS606M	600	High/low voltage reg.	6	117.09
545-LC1200	LC1200	1200	Premium surge protection	4	162.25
545-LC1800	LC1800	1800	Premium surge protection	6	240.87
545-LC2400	LC2400	2400	Premium surge protection	6	326.18
545-LCR2400	LCR2400	2400	Rackmount(3U) surge protection	14	441.60

PRECISION-REGULATED DC POWER SUPPLIES



Features:

- Provide DC power to security, diagnostic, and electronic equipment
- Convert 120V AC to 13.8V DC (±0.5V)
- Provide excellent regulation of output voltage
- Ideal for use with ham and CB radios, test benches, tape players and amplifiers
- Compact footprint, metal housing and lighted on/off switch

RoHS Compliant

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Tripp Lite Part Number	Description	Price Each
545-PR3	PR3	3 amp capacity	40.91
545-PR4.5	PR4.5	4.5 amp capacity	48.18
545-PR7	PR7	7 amp capacity	64.55
545-PR10	PR10	10 amp capacity	96.36
545-PR20	PR20	20 amp capacity	150.00
545-PR25	PR25	25 amp capacity	194.55
545-PR30	PR30	30 amp capacity	205.45
545-PR50	PR50	30 amp capacity	308.18
545-PR60	PR60	60 amp capacity	362.73

WIREMOLD Surge Suppressors, Strips & Outlet Centers

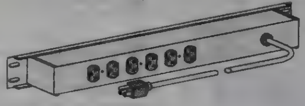
WIREMOLD: 19" RACK MOUNTED COMPUTER GRADE SURGE SUPPRESSORS- 20 AMP

Specifications:

- Max surge current: 13,000 amps
- Clamping voltage: UL 300 volts
- Electrical rating: 20A, 120V
- EMI/RFI noise reduction: 40db

Features:

- Designed to fit all standard 19" cabinets, carts, and racks
- Matte black steel housing
- Black 12/3 SJT cord with NEMA 5-20P plug
- UL1449 Approved, CSA Approved
- 120 Volt resettable circuit breaker
- Five year warranty
- Surge protection, led indicator
- Dimensions: 19" W x 1.75" H x 2.75" D



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Outlets	On/Off Switch	Cord Length	Price Each	
					1	5
681-R5BZ20	R5BZ20	6 Rear	Yes	6'	98.63	96.17
681-R5BZ20-15	R5BZ20-15	6 Rear	Yes	15'	107.02	105.20
681-R5BZ20X	R5BZ20X	6 Rear	No	6'	98.63	95.18
681-R5BZ20X-15	R5BZ20X-15	6 Rear	No	15'	107.02	105.21

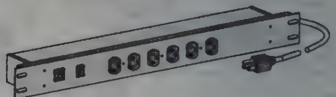
WIREMOLD: SPECIAL APPLICATION 19" RACK MOUNTED POWER STRIPS

Specifications:

- Electrical rating: 15A, 120V

Features:

- Designed to fit all standard 19" cabinets, carts, and racks
- Matte black steel housing
- Black 14/3 SJT cord
- UL recognized CSA approved
- 120 Volt, 15 amp resettable circuit breaker
- Dimensions: 19" W x 1.75" H x 2.75" D
- 90° Rotated outlet units are rotated for applications using plug in power supplies
- Two year warranty



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Outlets	On/Off Switch	Description	Cord Length	Price Each	
						1	5
681-J60B0B-90	J60B0B-90	6 Front	Yes	90° Outlets	6'	62.14	57.36
681-J60B2B-90	J60B2B-90	6 Front	Yes	90° Outlets	15'	68.42	63.15
681-J06B0BX	J06B0BX	6 Rear	No	Regular Outlets	6'	59.77	55.18
681-J06B2BX	J06B2BX	6 Rear	No	Regular Outlets	15'	67.84	62.63

WIREMOLD: 19" RACK MOUNTED PLUG-IN OUTLET CENTERS-20 AMP

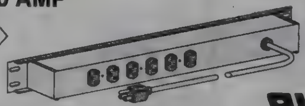
Specifications:

- Electrical rating: 20A,120V

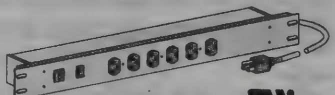
Features:

- Designed to fit all standard 19" cabinets, carts, and racks
- Matte black steel housing
- 12/3 SJT cord with NEMA 5-20P plug
- Resettable circuit breaker
- Two year warranty
- Dimensions: 19" W x 1.75" H x 2.75" D
- UL recognized

A



B



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Outlets	On/Off Switch	Cord Length	Price Each	
						1	5
681-J06B0B20	J06B0B20	A	6 Rear	Yes	6'	70.70	65.27
681-J06B2B20	J06B2B20	A	6 Rear	Yes	15'	78.01	72.01
681-J06B0B20X	J06B0B20X	A	6 Rear	No	6'	70.70	65.26
681-J06B2B20X	J06B2B20X	A	6 Rear	No	15'	78.02	77.26
681-J60B0B20	J60B0B20	B	6 Front	Yes	6'	70.70	65.26
681-J60B2B20	J60B2B20	B	6 Front	Yes	15'	78.01	72.01
681-J60B0B20X	J60B0B20X	B	6 Front	No	6'	70.70	65.26
681-J60B2B20X	J60B2B20X	B	6 Front	No	15'	78.01	72.01

WIREMOLD: STANDARD 19" RACK MOUNTED POWER STRIPS

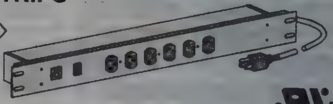
Specifications:

- Electrical rating: 15A, 120V

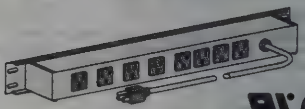
Features:

- Designed to fit all standard 19" cabinets, carts, racks
- Matte black steel housing
- Black 14/3 SJT cord
- Resettable circuit breaker
- Two year warranty
- Dimensions: 19" W x 1.75" x 2.75" D
- UL listed, CSA approved

A



B



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Outlets	On/Off Switch	Cord Length	Price Each	
						1	5
681-J60B0B	J60B0B	A	6 Front	Yes	6'	59.77	57.17
681-J60B2B	J60B2B	A	6 Front	Yes	15'	67.84	65.63
681-J08B0B	J08B0B	B*	8 Rear	Yes	6'	59.77	57.17
681-J08B2B	J08B2B	B*	8 Rear	Yes	15'	67.84	65.63

*Outlets rotated 90°, 4 outlets spaced to accommodate transformers.

WIREMOLD: CENTEREX POWERCENTERS

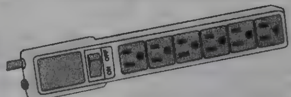
Specifications:

- Electrical rating: 15A, 120V

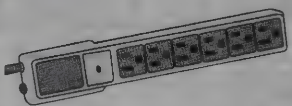
Features:

- UL listed, CSA approved
- Resettable circuit breaker

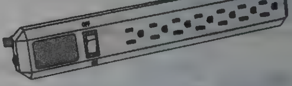
A



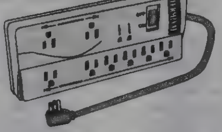
B



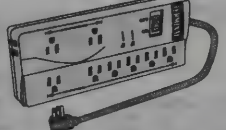
C



D



E



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Wiremold Part No.	Fig.	Outlets	On/Off Switch	Surge	Joules	Cord Length	Max Surge Current (Amps)	Clamping Voltage	EMI/RFI Reduction	Price Each	
											1	5
681-63100	63100	A	6	Yes	No	N/A	33"	N/A	N/A	N/A	4.99	4.61
681-63010	63010	B	6	No	Yes	140	33"	4000	400	N/A	4.99	3.98
681-74222-15	74222-15	C	7	Yes	Yes	990	15'	10,000	600	15db	17.99	16.75
681-77000	77000	D	8	Yes	Yes	1200	6'	10,000	300	15db	14.99	13.85
681-77001 *	77001	E	8	Yes	Yes	1200	6'	10,000	300	15db	18.99	17.85

* Has 2 Phone Jacks

WIREMOLD: METERREADER™ RETROFIT CURRENT MONITORING DEVICE

The first UL approved product of its kind, the MeterReader™ measures current and displays the reading on the remote unit installed at the front of the IT rack or cabinet

Features:

- Retrofit current monitoring capability
- Remote display
- 20A or 30A current monitoring
- User configurable
- cULus listed
- All models include remote display, patch cable, and rack mountable faceplate

For quantities of 10 and up, call for quote.

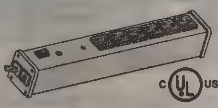
MOUSER STOCK NO.	Wiremold Part No.	Current Rating	Input/ Output	Input/Output Connector	Price Each	
					1	5
681-METL530	METL530	30A max.	100-127VAC	L5-30P/L5-30R	244.15	241.90
681-METL520	METL520	20A max.	100-127VAC	L5-20P/L5-20R	244.15	241.90
681-METL630	METL630	30A max.	208-250VAC	L6-30P/L6-30R	244.15	241.90
681-METL620	METL620	20A max.	208-250VAC	L6-20P/L6-20R	244.15	241.90

WIREMOLD Power Strips and Surge Suppression

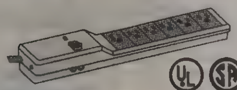
WIREMOLD: PERMA POWER COMPUTER GRADE SURGE SUPPRESSORS

Specifications:
- Max surge current: 13,000A
  681-PR610 6500A
- Clamping voltage: UL 300V
  681-PR610 390V
- Electrical rating: 15A, 120V
- EMI/RFI noise reduction: 40db

Features:
- Surge indicator light
- Resettable circuit breaker
- White housing
- Five year warranty
- UL1449 Approved, CSA certified
- Fail safe auto shutdown feature cuts power to the load should the surge element fail

A


C

B


For quantities of 10 and up, call for quote.

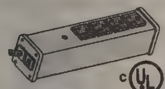
MOUSER STOCK NO.		Fig.	Outlets	Length	Case	Cord Length	Phone Fax Protected	Fail Safe	On/Off Switch	Price Each	
Mfr.	Mfr. Stock No.									1	5
681	M6BZ	A	6	13"	Aluminum	6'	-------	No	Lighted	47.22	45.02
681	M6BZ-15	A	6	13"	Aluminum	15'	-------	No	Lighted	51.42	49.47
681	SRD10	B	6	13"	Plastic	6'	1(RJ11)	No	Lighted	43.74	41.23
681	M6BZM	A	6	16"	Aluminum	6'	1(RJ45)	No	Lighted	76.65	74.62
681	RT610	A	6	13"	Aluminum	6'	-------	Yes	Yes	31.23	31.23
681	RT612	A	6	13"	Aluminum	15'	-------	Yes	Yes	55.05	53.21
681	PR610 *	C	6	12"	Plastic	6'	-------	No	Yes	20.31	18.74

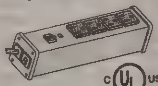
*Electronic Grade

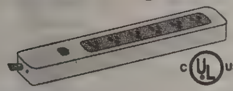
WIREMOLD: COMPACT PLUG-IN OUTLET CENTERS

Specifications:
- Electrical rating: 15A, 120V

Features:
- Resettable circuit breaker
- 14/3 SJT cord
- Gray aluminum housing except where noted
- UL listed, CSA approved
- Two year warranty

A


B


C


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Fig.	Outlets	Length	Mounting Type	Cord Length	Switch/Pilot Light	Price Each	
Mfr.	Mfr. Stock No.							1	5
681	UL101BC	A	4	9.187"	Snap/Slide	6'	No	24.76	23.58
681	UL101BD	A	4	9.187"	Snap/Slide	15'	No	31.07	29.59
681	UL104BC	B	4	9.75"	Snap/Slide	6'	Yes	30.25	28.81
681	UL104BD	B	4	9.75"	Snap/Slide	15'	Yes	36.53	34.79
681	UL207BC	B	6	12.25"	Snap/Slide	6'	Yes	36.89	35.14
681	UL207BD	B	6	12.25"	Snap/Slide	15'	Yes	43.21	41.15
681	P6 *	C	6	12"	Keyhole	6'	Yes	11.67	11.11
681	P6-15 *	C	6	12"	Keyhole	15'	Yes	18.51	17.63

*White Plastic Housing

WIREMOLD: INTERNATIONAL PLUG-IN OUTLET CENTER

Features:
- Five 250V, IEC 320 outlets
- 10A single pole circuit breaker
- Gray finish
- Power cord not included (use 173-63101)
- Length: 11"

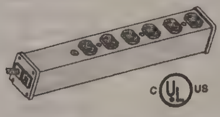
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Stock No.		1	5
681	IEC5	5 250V, IEC320 Outlets	41.93	39.94

WIREMOLD: MEDICAL/DENTAL GRADE OUTLET CENTERS

Specifications:
- Electrical rating: 15A, 120V

Features:
- Green dot outlets
- 14/3 SJT white cord
- Resettable circuit breaker
- UL Listed, CSA approved
- White aluminum housing
- Two year warranty



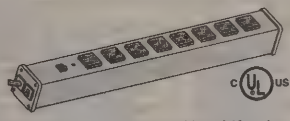
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Outlets	Length	Cord Length	Price Each	
Mfr.	Mfr. Stock No.				1	5
681	ULM4-6	4	10 3/4"	6'	59.56	56.73
681	ULM4-15	4	10 3/4"	15'	65.84	62.71
681	ULM6-6	6	13 1/4"	6'	73.16	69.67
681	ULM6-15	6	13 1/4"	15'	73.72	66.35

WIREMOLD: INDUSTRIAL PLUG-IN OUTLET CENTERS

Specifications:
- Electrical rating: 15A, 120V

Features:
- 14/3 SJT cord
- Gray aluminum housing
- UL listed, CSA approved
- Two year warranty



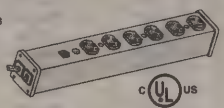
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Outlets	Length	Mounting Type	Cord Length	Switch/ Pilot Light	Price Each	
Mfr.	Mfr. Stock No.						1	5
681	UL300BC	8	24"	Snap/Slide	6'	Yes	56.11	53.44
681	UL300BD	8	24"	Snap/Slide	15'	Yes	61.15	58.24
681	UL402BC	16	48"	Snap/Slide	6'	Yes	75.69	72.09
681	UL402BD	16	48"	Snap/Slide	15'	Yes	80.85	77.00
681	UL2065BC	24	72"	Snap/Slide	6'	Yes	91.08	86.74
681	UL2065BD	24	72"	Snap/Slide	15'	Yes	96.24	91.66

WIREMOLD: HEAVY DUTY PLUG-IN OUTLET CENTERS-20 AMP

Specifications:
- Electrical rating: 20A,120V, 60 Hz, 2500 watts continuous

Features:
- White aluminum housing
- UL listed
- Resettable circuit breaker
- 12/3 SJT black cord with NEMA 5-20P plug
- Two year warranty



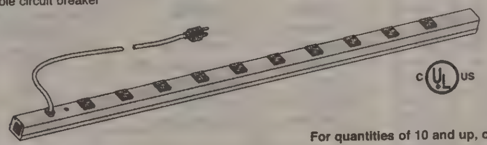
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Outlets	Length	Cord Length	Switch/ Pilot Light	Price Each	
Mfr.	Mfr. Stock No.					1	5
681	ULB420-6	4	10 3/8"	6'	Yes	93.00	88.58
681	ULB420-15	4	10 3/8"	15'	Yes	100.58	95.79
681	ULB620-6	6	13 3/8"	6'	Yes	95.93	91.36
681	ULB620-15	6	13 3/8"	15'	Yes	103.52	98.59

WIREMOLD: CABINETMATE POWER STRIPS

Specifications:
- Electrical rating: 120V

Features:
- Designed to fit in all types of cabinets
- Gray aluminum housing
- UL listed, CSA approved (15A models only)
- Resettable circuit breaker
- Two year warranty
- 15A units: 14/3 SJT cord with NEMA 5-15P plug
- 20A units: 12/3 SJT cord with NEMA 5-20P plug



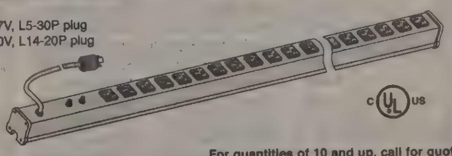
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Outlets	Amps	Length	Cord Length	Price Each	
Mfr.	Mfr. Stock No.					1	5
681	4810ULBC	10	15	48"	6'	65.39	60.36
681	4810ULBD	10	15	48"	15'	72.17	66.62
681	7011ULBC	11	15	70"	6'	77.48	71.52
681	7011ULBD	11	15	70"	15'	84.42	77.93
681	7712ULBC	12	15	77"	6'	85.78	79.18
681	7712ULBD	12	15	77"	15'	92.75	90.23
681	4810ULBC20R	10	20	48"	6'	82.36	76.02
681	4810ULBD20R	10	20	48"	15'	93.74	86.53
681	7011ULBC20R	11	20	70"	6'	95.05	87.74
681	7011ULBD20R	11	20	70"	15'	106.44	98.25
681	7712ULBC20R	12	20	77"	6'	105.77	97.63
681	7712ULBD20R	12	20	77"	15'	120.22	110.97

WIREMOLD: POWER COMMANDER 30A AND 40A POWER DISTRIBUTION UNITS

Among the first in the industry to meet the new UL60950-1 1st Edition and ITE standards, these PDUs feature UL489 Listed breakers to increase the safety and reliability of distributed power.

Features:
- **Meets UL60950-1 1st Edition and ITE standards**
- AC Voltage input:
  30A units: 100-127V, L5-30P plug
  40A units: 200-230V, L14-20P plug
- Narrow aluminum profile: (1 1/2"W x 2 7/8"H)
- Easy access breakers provide overload protection
- Built in mounting rail



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Total Current Rating	Outlets	Amps	Length	Cord Length	Price Each	
Mfr.	Mfr. Stock No.						1	5
681	3A44B2-1	30A	24	20	48"	12'	181.66	173.01
681	3A86B2-1	30A	36	20	70"	12'	200.66	191.10
681	4B44B2-2	40A	24	20	48"	12'	212.68	202.54
681	4B86B2-2	40A	36	20	70"	12'	232.94	221.85

Consumer and Sealed Lead-Acid Battery Finder

NON-RECHARGEABLE

∗Pack of 4 † Pack of 2

Size	Volt	mAh	Chemistry	MOUSER STOCK NO.	Manufacturer	Price Each
AAA	1.5	300	Zinc Chloride	639-HD-AAA	Golden Power	.22
AAA	1.5	NR	Alkaline	573-24A	GP	.40
AAA	1.5	1,100	Carbon Zinc	525-1212BP-4	Eveready	∗2.07
AAA	1.5	1,100	Alkaline	613-PC2400	Duracell Procell	.75
AAA	1.5	1,150	Alkaline	613-MN2400	Duracell	1.18
AAA	1.5	1,250	Alkaline	525-EN92	Energizer Industrial	.59
AAA	1.5	1,250	Alkaline	525-E92	Energizer	.99
AAA	1.5	NR	Alkaline	613-MX2400	Duracell M3 Ultra	1.52
AAA	1.5	1,350	Alkaline	525-X92RP-4	Energizer e^2	∗6.37
AAA	1.5	1,250	Lithium	525-L92BP-2	Energizer	† 6.64
AA	1.5	540	Carbon Zinc	525-1215BP-4	Eveready	∗2.04
AA	1.5	570	Zinc Chloride	639-HD-AA	Golden Power	.25
AA	1.5	NR	Alkaline	573-15A	GP	.40
AA	1.5	2,450	Alkaline	613-PC1500	Duracell Procell	.70
AA	1.5	2,850	Alkaline	525-EN91	Energizer Industrial	.82
AA	1.5	2,850	Alkaline	525-E91	Energizer	.99
AA	1.5	2,850	Alkaline	613-MN1500	Duracell	1.09
AA	1.5	NR	Alkaline	613-MX1500	Duracell M3 Ultra	1.52
AA	1.5	2,900	Alkaline	525-X91RP-4	Energizer e^2	∗6.37
AA	1.5	2,900	Lithium	525-L91BP-2	Energizer	† 5.81
C	1.5	1,600	Carbon Zinc	639-HD-C	Golden Power	.58
C	1.5	3,800	Carbon Zinc	525-1235-4	Eveready	∗2.70
C	1.5	NR	Alkaline	573-14A	GP	1.17
C	1.5	7,100	Alkaline	613-PC1400	Duracell Procell	1.36
C	1.5	7,800	Alkaline	613-MN1400	Duracell	1.79
C	1.5	8,350	Alkaline	525-EN93	Energizer Industrial	1.14
C	1.5	8,350	Alkaline	525-E93	Energizer	1.65
D	1.5	3,300	Carbon Zinc	639-HD-D	Golden Power	.72
D	1.5	8,000	Carbon Zinc	525-1250-4	Eveready	∗2.43
D	1.5	14,000	Alkaline	613-PC1300	Duracell Procell	1.29
D	1.5	NR	Alkaline	573-13A	GP	1.41
D	1.5	15,000	Alkaline	613-MN1300	Duracell	1.79
D	1.5	18,000	Alkaline	525-EN95	Energizer Industrial	1.16
D	1.5	18,000	Alkaline	525-E95	Energizer	1.65
N	1.5	NR	Alkaline	573-910A	GP	.65
N	1.5	1,000	Alkaline	525-E90	Energizer	.99
9V	9	209	Carbon Zinc	639-GP-9V	Golden Power	.74
9V	9	228	Carbon Zinc	639-HD-9V	Golden Power	.99
9V	9	400	Carbon Zinc	525-1222BP-2	Eveready	† 2.54
9V	9	NR	Alkaline	573-1604A	GP	1.85
9V	9	565	Alkaline	613-PC1604	Duracell Procell	2.33
9V	9	580	Alkaline	613-MN1604	Duracell	3.39
9V	9	625	Alkaline	525-EN22	Energizer Industrial	2.19
9V	9	625	Alkaline	525-522	Energizer	3.10
9V	9	655	Alkaline	525-X22RP	Energizer e	6.37
9V	9	1,200	Lithium	5169-U9VL-FP	Ultralife	6.53
9V	9	1,200	Lithium	5169-U9VL-J	Ultralife	7.41
Lantern	6	12,000	Carbon Zinc	525-1209	Eveready ^{2}	3.79
Lantern	6	13,000	Alkaline	613-MN908	Duracell	9.30

RECHARGEABLE

∗Pack of 4 † Pack of 2

Size	Volt	mAh	Chemistry	MOUSER STOCK NO.	Manufacturer	Price Each
AAA	1.2	250	Nickel-Cadmium	547-PS-AAA	Power Sonic	2.06
AAA	1.2	250	Nickel-Cadmium	639-N250AAA	Sanyo	3.42
AAA	1.2	650	Nickel Metal Hydride	639-HR-4U	Sanyo	2.70
AAA	1.2	750	Nickel Metal Hydride	525-NH12BP-4	Energizer	∗14.53
AA	1.2	600	Nickel-Cadmium	547-PS-AA	Power Sonic	2.08
AA	1.2	600	Nickel-Cadmium	573-60AAK	GP	2.40
AA	1.2	700	Nickel-Cadmium	639-N700AAC	Sanyo	2.28
AA	1.2	800	Nickel-Cadmium	639-KR800AAE	Sanyo	2.67
AA	1.2	1,000	Nickel-Cadmium	573-100AAK	GP	4.72
AA	1.2	1,100	Nickel-Cadmium	639-KR1100AAU	Sanyo	3.10
AA	1.2	1,300	Nickel Metal Hydride	573-GP130AA	GP	4.13
AA	1.2	1,600	Nickel Metal Hydride	573-GP160AA	GP	3.00
AA	1.2	1,650	Nickel Metal Hydride	639-HR-3U	Sanyo	3.80
AA	1.2	1,800	Nickel Metal Hydride	573-GP180AAHC	GP	4.84
AA	1.2	2,100	Nickel Metal Hydride	525-NH15BP-4	Energizer	∗14.53
C	1.2	2,000	Nickel-Cadmium	639-KR2000C	Sanyo	6.15
C	1.2	2,200	Nickel Metal Hydride	525-NH35BP-2	Energizer	†10.60
D	1.2	2,200	Nickel Metal Hydride	525-NH50BP-2	Energizer	†10.60
D	1.2	4,000	Nickel-Cadmium	547-PS-DL	Power Sonic	11.58
D	1.2	4,400	Nickel-Cadmium	639-KR4400D	Sanyo	11.80
N	1.2	150	Nickel-Cadmium	639-N150N	Sanyo	2.35
9V	7.2	110	Nickel-Cadmium	639-N6PT	Sanyo	14.20
9V	7.2	150	Nickel Metal Hydride	525-NH22NBP	Energizer	10.60
9V	7.2	150	Nickel Metal Hydride	573-GP17R7H	GP	7.80
9V	8.4	150	Nickel Metal Hydride	573-GP17R8H	GP	9.09
9V	8.4	150	Nickel Metal Hydride	672-05522	Varta	10.64

Please also see our offering of Battery Holders, Chargers, Computer, and Specialty Batteries.

SEALED LEAD-ACID (RECHARGEABLE)

∗∗ Negative = .187" Faston, Positive = .250" Faston

Volt	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	MOUSER STOCK NO.	Manufacturer	Price Each
4	4.5	.250" Faston	547-PS-445	Power Sonic	14.56
4	9.0	.250" Faston	547-PS-490	Power Sonic	20.82
6	0.5	Wire Leads	547-PS-605	Power Sonic	20.52
6	1.0	.187" Faston	547-PS-610	Power Sonic	12.59
6	1.2	.187" Faston	547-PS-612H	Power Sonic	10.82
6	1.3	.187" Faston	632-GH613	CSB	5.36
6	1.3	.187" Faston	658-LCR061R3P	Panasonic	13.76
6	3.3	.187" Faston	632-GH633	CSB	9.14
6	3.4	.187" Faston	547-PS-630	Power Sonic	17.05
6	3.4	.187" Faston	658-LCR063R4PU	Panasonic	23.10
6	4.5	.187" Faston	632-GH645	CSB	7.56
6	4.5	Mate-N-Lok	632-GP645WL	CSB	11.36
6	4.5	.187" Faston	632-GP645	CSB	11.36
6	4.5	.187" Faston	547-PS-640	Power Sonic	9.17
6	4.5	.187" Faston	658-LCR064R5P	Panasonic	13.76
6	6.5	∗∗	547-PS-665	Power Sonic	20.11
6	7.0	.187" Faston	547-PS-670	Power Sonic	14.45
6	7.2	.187" Faston	658-LCR067R2P	Panasonic	19.39
6	7.2	.250" Faston	658-LCR067R2P1	Panasonic	19.39
6	7.2	.187" Faston	632-GP672	CSB	14.66
6	8.0	.187" Faston	547-PS-682	Power Sonic	21.73
6	8.5	.187" Faston	632-GH685	CSB	18.20
6	12.0	.187" Faston	547-PS-6100	Power Sonic	21.40
6	12.0	.187" Faston	632-GH6120	CSB	18.66
6	12.0	.187" Faston	632-GP6120	CSB	19.94
6	12.0	.187" Faston	658-LCR0612P	Panasonic	21.60
6	12.0	.250" Faston	658-LCR0612P1	Panasonic	21.60
6	12.0	.250" Faston	632-GP6120F2	CSB	19.94
6	12.0	∗∗	547-PS-6120	Power Sonic	25.65
6	13.0	Toy	632-GH6130WLF	CSB	28.48
6	20.0	Nut and bolt	547-PS-6200	Power Sonic	57.78
6	36.0	.250" Faston	547-PS-6360	Power Sonic	70.85
12	0.8	Mate-N-Lok	547-PS-1208	Power Sonic	22.02
12	1.2	.187" Faston	547-PS-1212	Power Sonic	18.89
12	1.3	.187" Faston	632-GH1213	CSB	10.48
12	1.3	.187" Faston	658-LCR121R3PU	Panasonic	27.98
12	2.5	.187" Faston	547-PS-1220	Power Sonic	21.62
12	2.2	.187" Faston	632-GH1222	CSB	13.36
12	2.2	.187" Faston	632-GP1222	CSB	16.20
12	2.2	.187" Faston	658-LCR122R2PU	Panasonic	29.68
12	2.9	.187" Faston	547-PS1229	Power Sonic	30.85
12	3.4	.187" Faston	547-PS-1230	Power Sonic	24.79
12	3.4	.187" Faston	632-GH1234	CSB	17.44
12	3.4	.187" Faston	658-LCR123R4PU	Panasonic	38.65
12	4.5	.187" Faston	632-GP1245	CSB	18.24
12	5.0	.187" Faston	547-PS1250F1	Power Sonic	19.31
12	5.0	.250" Faston	547-PS1250F2	Power Sonic	19.31
12	7.0	.187" Faston	632-GH1270	CSB	20.70
12	7.0	.187" Faston	547-PS-1270	Power Sonic	24.62
12	7.2	.187" Faston	632-GP1272	CSB	22.16
12	7.2	.250" Faston	632-GP1272F2	CSB	22.16
12	7.2	.187" Faston	658-LCR127R2P	Panasonic	31.16
12	7.2	.250" Faston	658-LCR127R2P1	Panasonic	31.16
12	8.0	.187" Faston	547-PS-1282	Power Sonic	44.25
12	12.0	.250" Faston	547-PS-12100	Power Sonic	54.12
12	12.0	.250" Faston	632-GP12120F2	CSB	38.30
12	12.0	.250" Faston	547-PS-12120	Power Sonic	46.93
12	17.0	Nut and bolt	658-LCRD1217P	Panasonic	66.99
12	17.0	Nut and bolt	632-GP12170	CSB	55.46
12	17.0	Nut and bolt	632-EVX12170	CSB	58.12
12	17.5	Nut and bolt	547-PS-12180	Power Sonic	64.94
12	18.0	.250" Faston	547-PS-12180F	Power Sonic	70.81
12	26.0	Nut and bolt	632-EVX12260	CSB	85.84
12	26.0	.250" Faston	547-PS-12260	Power Sonic	89.49
12	26.0	Nut and bolt	632-GP12260	CSB	81.14
12	28.0	Nut and bolt	658-LCX1228P	Panasonic	115.85
12	28.0	Nut and bolt	547-PS12280	Power Sonic	111.62
12	33.0	Nut and bolt	658-LCLA1233P	Panasonic	103.56
12	34.0	Nut and bolt	632-EVX12340	CSB	92.40
12	35.0	Nut and bolt	547-PS-12350	Power Sonic	79.18
12	40.0	Nut and bolt	632-GP12400	CSB	121.66
12	75.0	Nut and bolt	547-PS-12750	Power Sonic	219.81
12	100.0	Nut and bolt	547-PS121000	Power Sonic	258.80

Non-Rechargeable Batteries

Alkaline
D
e^2
AA
M3 Ultra
AAA
AA
Long Life
9V
Long Life
AAA
Industrial
Heavy Duty
C
Industrial Alkaline
D
9V
Size D
9V
AA

DURACELL® M3 ULTRA ALKALINE BATTERIES

- Recommended for high-drain devices

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Cross Reference		Price Each		
			ANSI	IEC	1	25	50
613-MX2400	AAA	1.5	24A	LR03	1.52	1.46	1.41
613-MX1500	AA	1.5	15A	LR6	1.52	1.46	1.41

DURACELL® LONG-LIFE ALKALINE BATTERIES

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Price Each		
				1	100	500
613-MN2400	AAA	1.5	1150	1.09	.99	.89
613-MN1500	AA	1.5	2850	1.09	.99	.89
613-MN1400	C	1.5	7800	1.79	1.75	1.65
613-MN1300	D	1.5	15000	1.79	1.75	1.65
613-MN1604	9V	9.0	580	3.39	3.15	2.75

DURACELL® PROCELL ALKALINE BATTERIES

- Dependable
- Last 5 x longer than super heavy-duty batteries
- Long service life at high-drain discharges

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Std. Pkg.	Case Quantity	Price Per Battery		
						1	Std. Pkg	Case
613-PC2400	AAA	1.5	1100	24	72	.75	.60	.55
613-PC1500	AA	1.5	2450	24	144	.70	.54	.46
613-PC1400	C	1.5	7100	12	72	1.24	1.04	.89
613-PC1300	D	1.5	14000	12	72	1.20	1.10	1.05
613-PC1604	9V	9.0	565	12	72	2.05	1.90	1.55
613-MN908	Lantern	6.0	13000	6	12	9.30	8.79	8.25

GP® ALKACELL - TOP PERFORMANCE ALKALINE

- Reduced Mercury content (less than .025% of total weight)
- Lasts up to seven times as long as ordinary Carbon-Zinc batteries
- Long storage life

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Cross Reference		Price Each			
			Eveready	IEC	1	100	500	1000
573-910A	N	1.5	E90	LR1	.65	.59	.56	.53
573-24A	AAA	1.5	E92	LR03	.40	.35	.30	.29
573-15A	AA	1.5	E91	LR6	.40	.35	.30	.29
573-14A	C	1.5	E93	LR14	1.17	1.06	1.00	.91
573-13A	D	1.5	E95	LR20	1.41	1.32	1.28	1.23
573-1604A	9V	9.0	522	6LF22	1.85	1.30	1.25	1.16

GP® HIGH VOLTAGE - ALKALINE

- Hard-to-find battery
- Photo, remote controllers, and lighter applications

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Dimensions: in.		Volts	Capacity (mAh)	Price Each			
	Dia.	Ht.			1	10	100	500
573-23A	.39	1.12	12	55	.88	.83	.71	.62
573-25A	.303	.843	1.5	18	.88	.83	.71	.62
573-27A	.303	1.10	12	18	.88	.83	.71	.62

ENERGIZER® e^2 ALKALINE BATTERIES

- Provides high-performance through titanium technology

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Batteries per Pkg.	Price Per Package		
					1	6	12
525-X92RP-4	AAA	1.5	1350	4	6.37	5.67	5.04
525-X91RP-4	AA	1.5	2900	4	6.37	5.67	5.04
525-X22RP	9V	9	655	1	6.37	5.67	5.04

ENERGIZER® BATTERIES

Max Long Life Alkaline

- Recommended for heavy drain/frequent use
- Formulated to provide dependable power

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	NEDA	Replaces	Price Per Battery		
					1	24	48
525-E90	N	1.5	910A	MN9100	.99	.91	.80
525-E91	AA	1.5	15A	MN1500	.99	.91	.80
525-E92	AAA	1.5	24A	MN2400	.99	.91	.80
525-E96	AAAA	1.5	25A	MN2500	1.13	1.10	1.06
525-E93	C	1.5	14A	MN1400	1.65	1.59	1.51
525-E95	D	1.5	13A	MN1300	1.65	1.59	1.51
525-522	9V	9.0	1604A	MN1604	3.10	2.85	2.49

Industrial Alkaline

- Recommended for heavy drain/extra temperature applications
- Open dated and "best if used by" dating system

MOUSER STOCK NO.	Size	Volts	Std. Pkg.	Case Quantity	Price Per Battery		
					1	Std. Pkg.	Case
525-EN91	AA	1.5	24	144	.74	.61	.51
525-EN92	AAA	1.5	24	144	.59	.55	.48
525-EN93	C	1.5	12	72	1.14	1.03	.94
525-EN95	D	1.5	12	72	1.16	1.07	.96
525-EN22	9V	9	12	72	2.19	1.96	1.81

Eveready Industrial Heavy Duty Carbon Zinc

- Recommended for low to moderate drain application

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Batteries per Pkg.	Price Per Package		
					1	12	48
525-1212BP-4	AAA	1.5	540	4	2.07	1.95	1.84
525-1215BP-4	AA	1.5	1100	4	2.04	1.93	1.81
525-1235-4	C	1.5	3800	4	2.70	2.53	2.37
525-1250-4	D	1.5	8000	4	2.43	2.30	2.16
525-1222BP-2	9V	9	400	2	2.54	2.39	2.25
525-1209	Lantern	6	12000	1	3.79	3.65	3.62

LONG LIFE - CARBON ZINC

- Contains 0% Mercury
- High performance at an affordable cost

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Cross Reference	Price Each			
					1	100	500	1000
639-GP-9V	9V	9.0	209	6F22	.74	.58	.48	.43

HEAVY DUTY - ZINC CHLORIDE AND CARBON ZINC

- Contains 0% Mercury
- More powerful than ordinary Carbon Zinc batteries

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Cross Reference	Price Each			
					1	100	500	1000
639-HD-AAA	AAA	1.5	300	R03P	.22	.21	.20	.19
639-HD-AA	AA	1.5	570	R6P	.25	.22	.20	.18
639-HD-C	C	1.5	1600	R14C	.58	.45	.36	.30
639-HD-D	D	1.5	8000	R20C	.72	.60	.53	.50
639-HD-9V	9V	9.0	228	6F22	.99	.79	.69	.59

Rechargeable Batteries and Chargers

SANYO CADNICA NICKEL-CADMIUM BATTERIES

Nickel-Cadmium batteries may be used in cyclic, trickle or float charge use.

- Operating temperature range: charge: 0 - 45°C (standard) 10° - 45°C (quick); discharge: -20° - 60°C; storage: -30° - 50°C

Standard/General

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Dimensions (in.) Diameter x Height	Price Each		
					1	10	50
Consumer Batteries							
639-N250AAA	AAA	1.2	250	0.41 x 1.75	3.42	3.22	3.13
639-N700AAC	AA	1.2	700	0.56 x 1.99	2.28	2.14	2.08
639-KR2000C	C	1.2	2000	1.02 x 1.97	6.15	5.54	5.42
639-KR4400D	D	1.2	4400	1.34 x 2.42	11.80	8.24	7.69
639-N6PT	9V	7.2	110	.67(W) x 1.02(L) x 1.91(H)	14.20	13.36	12.94
Specialty Batteries							
639-N110AA	1/3AA	1.2	110	0.55 x 0.66	1.95	1.75	1.70
639-N270AA	2/3AA	1.2	270	0.57 x 1.18	2.10	1.85	1.70
639-KR1300SC	SC	1.2	1300	0.91 x 1.69	2.23	2.10	2.03
639-KR1500SC	SC	1.2	1500	0.91 x 1.69	2.50	2.25	2.10
639-KR7000F	F	1.2	7000	1.69 x 3.58	27.90	25.11	22.32
639-N150N	N	1.2	150	0.47 x 1.18	2.35	2.10	2.00
Solder Tabs							
639-N110AA-T	1/3AA	1.2	110	0.55 x 0.66	2.10	1.87	1.81
639-N250AAA-ST	AAA	1.2	250	0.41 x 1.75	2.75	2.45	2.30
639-N270AA-ST	2/3AA	1.2	270	0.57 x 1.18	2.31	2.21	1.98
639-N700AAC-ST	AA	1.2	700	0.56 x 1.99	2.14	1.90	1.80
639-KR1300SC-ST	SC	1.2	1300	0.91 x 1.69	2.80	2.50	2.35
639-KR1500SC-ST	SC	1.2	1500	0.91 x 1.69	2.90	2.75	2.60
639-KR4400D-ST	D	1.2	4400	1.34 x 2.42	12.07	10.03	9.58

High Capacity/Extra Series

- Operating temperature range: charge: 0 - 45°C (standard) 10° - 45°C (quick); discharge: -20° - 60°C; storage: -30° - 50°C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Dimensions (in.) Diameter x Height	Price Each		
					1	10	50
639-KR800AAE	AA	1.2	800	0.56 x 1.99	2.67	2.36	2.23
639-KR1100AAU	AA	1.2	1100	0.56 x 1.99	3.10	2.79	2.65
639-KR600AE	2/3A	1.2	600	0.67 x 1.10	2.10	1.90	1.80
639-KR1100AEL	4/5A	1.2	1100	0.67 x 1.69	4.21	3.91	3.61
639-KR1400AE	A	1.2	1400	0.67 x 1.97	3.60	3.25	3.10
639-KR1800SCE	SC	1.2	1800	0.91 x 1.69	5.08	4.58	4.18
639-KR5000DEL	D	1.2	5000	1.34 x 2.36	11.77	11.05	10.73

POWER PS SONIC NICKEL-CADMIUM BATTERIES

- Nominal voltage: 1.2V

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Description	Capacity 5 Hr. Rate (mAh)	Std. Charge		Price Each			
				(mA)	(Hrs)	1	10	20	50
547-PS-AAA	AAA	Std. button top	250	22	15	2.06	1.88	1.73	1.66
547-PSAAA-T	AAA	With solder tabs	250	22	15	3.00	2.75	2.55	2.47
547-PS-AA	AA	Std. button top	600	60	15	2.08	1.87	1.70	1.65
547-PS-AA/FT	AA	Flat top	600	60	15	2.47	2.22	2.03	1.96
547-PSAA-T	AA	With solder tabs	600	60	15	2.89	2.63	2.42	2.33
547-PS-SC	SC	Flat top	1500	150	15	4.94	4.37	3.99	3.86
547-PS-SC-T	SC	With solder tabs	1500	150	15	5.74	5.11	4.70	4.55
547-PS-C	C	Flat top	2000	200	15	9.46	8.51	7.68	7.42
547-PS-C-T	C	With solder tabs	2000	200	15	10.30	9.30	8.42	8.16
547-PS-D	D	Flat top	4000	400	15	11.58	10.36	9.38	9.06
547-PS-DL	D	Std. button top	4000	400	15	11.58	10.36	9.38	9.06
547-PS-DF	D	Flat top	4500	450	15	18.66	16.78	16.26	15.70

GP NICKEL-CADMIUM BATTERIES

- Long life
- Sealed, strong, leakproof construction
- Excellent discharge characteristics

For quantities of 500 and up, call for quote.

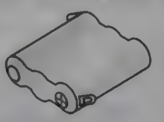
MOUSER STOCK NO.	Size	Volts	Capacity (mAh)	Price Each			
				1	10	25	100
573-60AAK	AA	1.2	600	1.60	1.49	1.36	1.20
573-100AAK	AA	1.2	1000	4.72	4.22	3.92	3.02

GP 3.6V BATTERY PACKS

Features:

- Termination: solder tab
- For cordless devices

A



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Type	Capacity (mAh)	Price Each			
					1	10	25	100
573-30AAK3B1P	A	3 x 2/3 AA	Ni-Cad	300	4.99	4.50	3.99	3.81
573-60AAK3BP	A	3 x AA	Ni-Cad	600	4.99	4.50	3.99	3.81

SANYO NICKEL METAL HYDRIDE BATTERIES

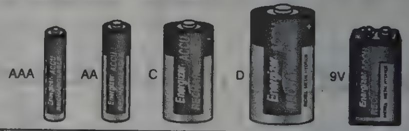
* OEM Label packaging
- Operating temperature range: charge: 0°-40°C discharge: 0°-50°C storage: -20°C - 50°C

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Capacity mAh	Dimensions (in.) Diameter x Height	Price Each		
					1	10	50
Consumer Top							
* 639-HR-4U	AAA	1.2	650	0.41 x 1.75	2.70	2.40	2.30
* 639-HR-3U	AA	1.2	1650	0.56 x 1.99	3.80	3.39	3.19
Flat Top							
639-HR-AAAU	AAA	1.2	720	0.41 x 1.75	3.10	2.90	2.80
639-HR-AAC	AA	1.2	1100	0.56 x 1.99	3.25	2.99	2.79
639-HR-AAU	AA	1.2	1500	0.56 x 1.99	4.23	3.88	3.35
639-HR-AUX	A	1.2	2700	0.67 x 1.97	6.98	6.34	5.81
639-HR-SC	SC	1.2	2200	0.91 x 1.69	8.10	7.35	6.35
Solder Tabs							
639-HRAAAU-ST	AAA	1.2	720	0.41 x 1.75	3.55	3.30	3.10
639-HRAAC-ST	AA	1.2	1100	0.56 x 1.99	3.80	3.40	3.05
639-HRAAU-ST	AA	1.2	1500	0.56 x 1.99	4.20	3.85	3.33
639-HRSC-ST	SC	1.2	2200	0.91 x 1.69	8.64	7.92	6.84

ENERGIZER ACCU RECHARGEABLE NICKEL METAL-HYDRIDE BATTERIES

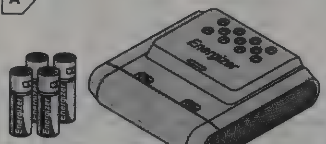
- Designed for high-drain devices
- Batteries charge up to 1,000 times
- Provides up to 70% more power than standard NiCd



MOUSER STOCK NO.	Size	Nominal Voltage	Capacity (mAh)	Batteries Per Pkg.	Price Per Pkg.		
					1	12	48
525-NH12BP-4	AAA	1.2	850	4	14.53	12.90	12.11
525-NH15BP-4	AA	1.2	2500	4	14.53	12.90	12.11
525-NH35BP-2	C	1.2	2500	2	10.60	9.42	8.84
525-NH50BP-2	D	1.2	2500	2	10.60	9.42	8.84
525-NH22NBP	9V	7.2	150	1	10.60	9.42	8.84

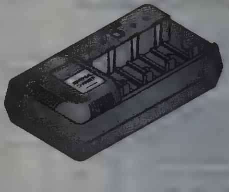
ENERGIZER ACCU RECHARGEABLE NIMH AND NICD BATTERY CHARGERS

A



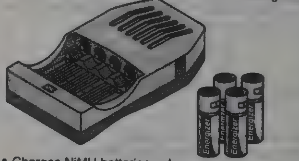
- Charges NiMH batteries only.
- LED indicator shows when charging is complete.
- Comes with 4 AA batteries.

B



- LED indicator shows when charging is complete.
- CHFCV charges NiMH battery only.
- CHG-6P charges NiMH and NiCd batteries only.

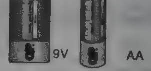
C



- Charges NiMH batteries only.
- LED indicator shows when charging is complete.
- Comes with 4 AA batteries.
- Charges in 15 minutes.

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	6
525-CHDCWB-4	A	Charges 2-4 AAA or AA batteries	23.99	19.99
525-CHFCV	B	Charges 2-4 AAA, AA, C, or D, or 1-2 9V batteries	24.99	21.99
639-CHG-6P	B	Charges 2-4 AAA, AA, C, or D, or 1-2 9V batteries	21.47	19.80
525-CH15MNCP4	C	Charges 1-4 AAA or AA batteries	44.99	40.99

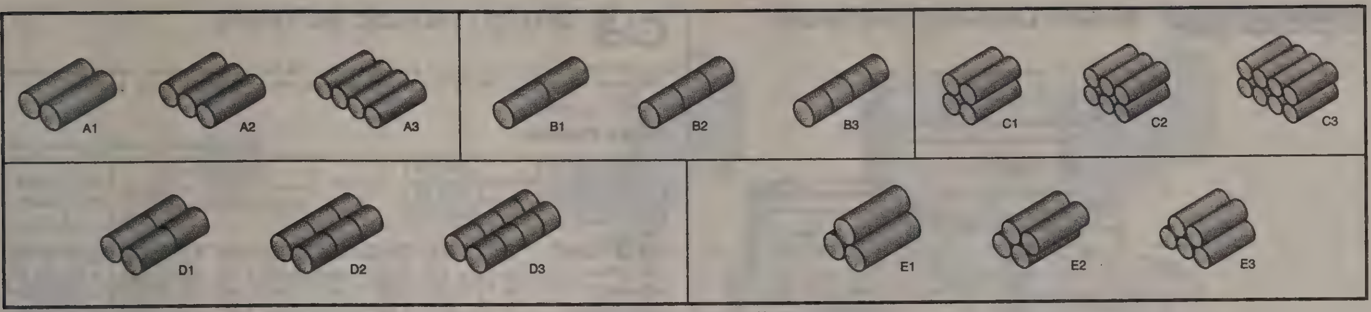
GP NICKEL METAL HYDRIDE BATTERIES



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Size	Volts	Cap. (mAh)	Price Each			
				1	10	25	100
573-GP130AA	AA	1.2	1300	2.42	2.22	1.92	1.72
573-GP160AA	AA	1.2	1600	2.75	2.53	2.20	1.98
573-GP180AAHC	AA	1.2	1800	4.84	4.02	3.52	3.19
573-GP17R7H	9V	7.2	170	7.80	7.32	6.65	5.34
573-GP17R8H	9V	8.4	170	9.09	7.95	7.15	6.82

Rechargeable Battery Packs



Custom Battery Packs with other chemistries, styles, and terminations are available.   See our website for prices on larger quantities: **www.mouser.com**

AAA PACKS 250 MAH NI-CD

Standard with Solder Tabs   Add a (-L) for 6 inch leads

MOUSER STOCK NO.	Fig.	Dimensions IN. LxHxW	Volts	Cells	Price Each	Price Each w/6" Leads
6396-250-F2	A1	0.80x1.75x0.42	2.4	2	5.15	6.15
6396-250-F3	A2	1.20x1.75x0.42	3.6	3	7.31	8.31
6396-250-F4	A3	1.60x1.75x0.42	4.8	4	9.74	70.74
6396-250-L2	B1	0.42x3.50	2.4	2	5.15	6.15
6396-250-L3	B2	0.42x5.25	3.6	3	7.29	8.29
6396-250-L4	B3	0.42x7.00	4.8	4	9.72	10.72
6396-250-F22	C1	0.80x1.75x0.80	4.8	4	9.68	10.68
6396-250-F23	C2	1.20x1.75x0.80	7.2	6	14.59	15.59
6396-250-F24	C3	1.60x1.75x0.80	9.6	8	19.35	20.35
6396-250-L22	D1	0.80x3.50x0.42	4.8	4	9.73	10.73
6396-250-L32	D2	0.80x5.25x0.42	7.2	6	14.59	15.59
6396-250-L42	D3	0.80x7.00x0.42	9.6	8	12.89	13.89
6396-250-N3	E1	0.80x1.75x0.77	3.6	3	7.97	8.97
6396-250-N4	E2	1.12x1.75x0.80	4.8	4	8.37	9.37
6396-250-N5	E3	1.60x1.75x0.77	6.0	5	8.79	9.79

AA PACKS 700 MAH NI-CD

Standard with Solder Tabs   Add a (-L) for 6 inch leads

6396-700-F2	A1	1.12x2.00x0.58	2.4	2	4.61	5.61
6396-700-F3	A2	1.68x2.00x0.58	3.6	3	6.56	7.56
6396-700-F4	A3	2.24x2.00x0.58	4.8	4	8.28	9.28
6396-700-L2	B1	0.58x4.00x	2.4	2	4.63	5.63
6396-700-L3	B2	0.58x6.00	3.6	3	6.56	7.56
6396-700-L4	B3	0.58x8.00	4.8	4	8.32	9.32
6396-700-F22	C1	1.12x2.00x1.12	4.8	4	8.26	9.26
6396-700-F23	C2	1.68x2.00x1.12	7.2	6	12.38	13.38
6396-700-F24	C3	2.24x2.00x1.12	9.6	8	16.51	17.51
6396-700-L22	D1	1.12x4.00x0.58	4.8	4	8.28	9.28
6396-700-L32	D2	1.12x6.00x0.58	7.2	6	12.39	13.39
6396-700-L42	D3	1.12x8.0x0.58	9.6	8	12.89	13.89
6396-700-N3	E1	1.12x2.00x1.05	3.6	3	7.94	8.94
6396-700-N4	E2	1.55x2.00x1.12	4.8	4	8.86	9.86
6396-700-N5	E3	1.68x2.00x1.05	6.0	5	9.85	10.85

1000 MAH NI-CD

Standard with Solder Tabs   Add a (-L) for 6 inch leads

MOUSER STOCK NO.	Fig.	Dimensions IN. LxHxW	Volts	Cells	Price Each	Price Each w/6" Leads
6396-1K-F2	A1	1.12x2.00x0.58	2.4	2	5.95	6.95
6396-1K-F3	A2	1.68x2.00x0.58	3.6	3	8.95	9.95
6396-1K-F4	A3	2.24x2.00x0.58	4.8	4	11.25	12.25
6396-1K-L2	B1	0.58x4.00x	2.4	2	5.97	6.97
6396-1K-L3	B2	0.58x6.00	3.6	3	8.91	9.91
6396-1K-L4	B3	0.58x8.00	4.8	4	11.25	12.25
6396-1K-F22	C1	1.12x2.00x1.12	4.8	4	11.23	12.23
6396-1K-F23	C2	1.68x2.00x1.12	7.2	6	16.84	17.84
6396-1K-F24	C3	2.24x2.00x1.12	9.6	8	22.45	23.45
6396-1K-L22	D1	1.12x4.00x0.58	4.8	4	11.25	12.25
6396-1K-L32	D2	1.12x6.00x0.58	7.2	6	16.85	17.85
6396-1K-L42	D3	1.12x8.0x0.58	9.6	8	15.98	16.98
6396-1K-N3	E1	1.12x2.00x1.05	3.6	3	9.85	10.85
6396-1K-N4	E2	1.55x2.00x1.12	4.8	4	11.84	12.84
6396-1K-N5	E3	1.68x2.00x1.05	6.0	5	12.94	13.94

1800 MAH NI-CD

Standard with Solder Tabs   Add a (-L) for 6 inch leads

6396-1.8K-F2H	A1	1.12x2.00x0.58	2.4	2	10.88	11.88
6396-1.8K-F3H	A2	1.68x2.00x0.58	3.6	3	12.52	13.52
6396-1.8K-F4H	A3	2.24x2.00x0.58	4.8	4	15.87	16.87
6396-1.8K-L2H	B1	0.58x4.00x	2.4	2	10.88	11.88
6396-1.8K-L3H	B2	0.58x6.00	3.6	3	12.52	13.52
6396-1.8K-L4H	B3	0.58x8.00	4.8	4	15.87	16.87
6396-1.8K-F22H	C1	1.12x2.00x1.12	4.8	4	15.87	16.87
6396-1.8K-F23H	C2	1.68x2.00x1.12	7.2	6	21.34	22.34
6396-1.8K-F24H	C3	2.24x2.00x1.12	9.6	8	27.72	28.72
6396-1.8K-L22H	D1	1.12x4.00x0.58	4.8	4	15.87	16.87
6396-1.8K-L32H	D2	1.12x6.00x0.58	7.2	6	21.34	22.34
6396-1.8K-L42H	D3	1.12x8.0x0.58	9.6	8	24.88	25.88
6396-1.8K-N3H	E1	1.12x2.00x1.05	3.6	3	15.82	16.82
6396-1.8K-N4H	E2	1.55x2.00x1.12	4.8	4	17.81	18.81
6396-1.8K-N5H	E3	1.68x2.00x1.05	6.0	5	19.80	20.80

SC PACKS - 2100 MAH NI-CD

Standard with Solder Tabs

Add a (-L) for 6 inch leads

MOUSER STOCK NO.	Fig.	Dimensions IN. LxHxW	Volts	Cells	Price Each	Price Each w/6" Leads
6396-2.1K-F2	A1	1.76x1.67x0.90	2.4	2	10.88	11.88
6396-2.1K-F3	A2	2.64x1.67x0.90	3.6	3	12.87	13.87
6396-2.1K-F4	A3	3.52x1.67x0.90	4.8	4	16.25	17.25
6396-2.1K-L2	B1	0.90x3.34	2.4	2	10.88	11.88
6396-2.1K-L3	B2	0.90x5.10	3.6	3	12.89	13.89
6396-2.1K-L4	B3	0.90x6.80	4.8	4	16.27	17.27
6396-2.1K-F22	C1	1.76x1.67x1.76	4.8	4	16.25	17.25
6396-2.1K-F23	C2	2.64x1.67x1.67	7.2	6	24.34	25.34
6396-2.1K-F24	C3	3.52x1.67x1.76	9.6	8	32.45	33.45
6396-2.1K-L22	D1	1.76x3.34x0.90	4.8	4	16.25	17.25
6396-2.1K-L32	D2	1.76x5.10x0.90	7.2	6	24.35	25.35
6396-2.1K-L42	D3	1.76x6.80x0.90	9.6	8	25.77	26.77
6396-2.1K-N3	E1	1.76x1.67x1.65	3.6	3	15.89	16.89
6396-2.1K-N4	E2	2.40x1.67x1.76	4.8	4	17.81	18.81
6396-2.1K-N5	E3	2.64x1.67x1.75	6.0	5	19.80	20.80

C PACKS - 2500 MAH NI-CD

Standard with Solder Tabs

Add a (-L) for 6 inch leads

MOUSER STOCK NO.	Fig.	Dimensions IN. LxHxW	Volts	Cells	Price Each	Price Each w/6" Leads
6396-2.5K-F2	A1	2.00x2.00x1.00	2.4	2	20.93	21.93
6396-2.5K-F3	A2	3.00x2.00x1.00	3.6	3	22.43	23.43
6396-2.5K-F4	A3	4.00x2.00x1.00	4.8	4	24.68	25.68
6396-2.5K-L2	B1	1.00x4.00	2.4	2	20.93	21.93
6396-2.5K-L3	B2	1.00x6.00	3.6	3	29.75	30.75
6396-2.5K-L4	B3	1.00x8.00	4.8	4	24.68	25.68
6396-2.5K-F22	C1	2.00x2.00x2.00	4.8	4	24.68	25.68
6396-2.5K-F23	C2	3.00x2.00x2.00	7.2	6	26.87	27.87
6396-2.5K-F24	C3	4.00x2.00x2.00	9.6	8	46.57	47.57
6396-2.5K-L22	D1	2.00x4.00x1.00	4.8	4	24.68	25.68
6396-2.5K-L32	D2	2.00x6.00x1.00	7.2	6	36.87	37.87
6396-2.5K-L42	D3	2.00x8.00x1.00	9.6	8	45.71	46.71
6396-2.5K-N3	E1	2.00x2.00x1.90	3.6	3	29.75	30.75
6396-2.5K-N4	E2	2.75x2.00x2.00	4.8	4	31.74	32.74
6396-2.5K-N5	E3	3.00x2.00x1.90	6.0	5	35.72	36.72

D PACKS - 5000 MAH NI-CD

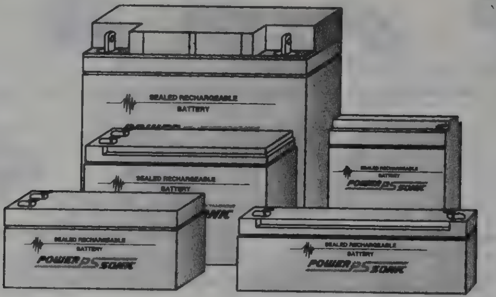
Standard with Solder Tabs

Add a (-L) for 6 inch leads

MOUSER STOCK NO.	Fig.	Dimensions IN. LxHxW	Volts	Cells	Price Each	Price Each w/6" Leads
6396-5K-F2	A1	2.56x2.45x1.30	2.4	2	29.93	30.93
6396-5K-F3	A2	3.84x2.45x1.30	3.6	3	37.08	38.08
6396-5K-F4	A3	5.12x2.45x1.30	4.8	4	46.84	47.84
6396-5K-L2	B1	1.30x4.90	2.4	2	29.93	30.93
6396-5K-L3	B2	1.30x7.35	3.6	3	37.08	38.08
6396-5K-L4	B3	1.30x9.80	4.8	4	46.81	47.81
6396-5K-F22	C1	2.56x2.45x2.56	4.8	4	46.66	47.66
6396-5K-F23	C2	3.84x2.45x2.56	7.2	6	69.98	70.98
6396-5K-F24	C3	5.12x2.45x2.56	9.6	8	93.29	94.29
6396-5K-L22	D1	2.56x4.90x1.30	4.8	4	46.82	47.82
6396-5K-L32	D2	2.56x7.35x1.30	7.2	6	69.98	70.98
6396-5K-L42	D3	2.56x9.8x1.30	9.6	8	66.68	67.68
6396-5K-N3	E1	2.56x2.45x2.40	3.6	3	43.68	44.68
6396-5K-N4	E2	3.50x2.45x2.56	4.8	4	49.68	50.68
6396-5K-N5	E3	3.84x2.45x2.40	6.0	5	55.62	56.62

Sealed Lead Acid Batteries and Chargers

POWER SONIC SEALED LEAD-ACID BATTERIES



Features:

- Sealed/maintenance-free
- Gel-type electrolyte
- Long shelf life
- High discharge rate
- Overcharge protection
- Wide operating temperature range
- Deep discharge recovery
- Immobilized electrolyte may be used in any position, however, it is recommended that they not be charged in an inverted position

Batteries should be checked and fully charged before installation.

* Flag terminals accept nut and bolt connectors

** Negative is .187" Faston, positive is .250 Faston

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Nominal Volt.	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
547-PS-445	4	4.5	.250" Faston	1.89	2.09	3.70	3.86	1.4	**14.56**
547-PS-490	4	9.0	.250" Faston	3.97	1.73	3.74	4.02	2.50	**20.82**
547-PS-605	6	0.5	Wire Leads	2.24	0.55	1.97	1.97	0.2	**20.52**
547-PS-610	6	1.1	.187" Faston	2.00	1.65	2.00	2.20	0.6	**12.59**
547-PS-612H	6	1.4	.187" Faston	3.82	0.94	2.00	2.19	0.6	**10.82**
547-PS-630	6	3.5	.187" Faston	5.28	1.34	2.35	2.56	1.37	**17.05**
547-PS-640	6	4.5	.187" Faston	2.76	1.86	3.94	4.25	1.8	**9.17**
547-PS-665	6	6.5	**	3.86	2.20	4.05	4.06	2.1	**20.11**
547-PS-670	6	7.0	.187" Faston	5.95	1.34	3.70	3.94	2.8	**14.45**
547-PS-682	6	9.0	.187" Faston	3.86	2.20	4.65	4.65	3.35	**21.73**
547-PS-6100	6	12.0	.187" Faston	5.95	2.00	3.70	3.86	4.4	**21.40**
547-PS-6120	6	13.0	**	4.26	2.79	5.54	5.54	5.3	**25.65**
547-PS-6200	6	20.0	Nut and bolt	6.18	3.27	4.92	4.92	7.52	**57.78**
547-PS-6360	6	36.0	.250" Faston	6.25	3.35	6.50	6.95	13.7	**70.85**
547-PS-1208	12	0.8	Mate-N-Lok	3.78	0.98	2.42	2.42	0.8	**22.02**
547-PS-1212	12	1.4	.187" Faston	3.82	1.69	2.05	2.28	1.32	**18.89**
547-PS-1220	12	2.5	.187" Faston	7.01	1.38	2.36	2.56	2.2	**21.62**
547-PS1229	12	2.9	.187" Faston	7.01	1.34	2.36	2.56	2.6	**30.85**
547-PS-1230	12	3.4	.187" Faston	5.28	2.64	2.36	2.60	2.9	**24.79**
547-PS1250F1	12	5.0	.187" Faston	3.54	2.76	3.98	4.21	3.75	**19.31**
547-PS1250F2	12	5.0	.250" Faston	3.54	2.76	3.98	4.21	3.75	**19.31**
547-PS-1270	12	7.0	.187" Faston	5.95	2.56	3.70	3.86	5.7	**24.62**
547-PS-1282	12	9.0	.187" Faston	3.86	4.40	4.65	4.65	6.9	**44.25**
547-PS-12100	12	12.0	.250" Faston	5.95	4.00	3.70	3.86	8.8	**54.12**
547-PS-12120	12	12.0	.250" Faston	5.94	3.86	3.70	3.94	8.5	**46.93**
547-PS-12180F	12	18.0	.250" Faston	7.13	3.00	6.59	6.59	12.6	**70.81**
547-PS-12180	12	17.5	Nut and bolt	7.13	3.00	6.59	6.59	12.6	**64.94**
547-PS-12260	12	26.0	.250" Faston	6.54	6.88	4.95	4.95	18.0	**89.49**
547-PS12280	12	28.0	Nut and bolt	6.54	4.95	6.89	6.89	21.4	**111.62**
*547-PS-12350	12	35.0	Nut and bolt	7.80	5.20	6.22	7.07	25.0	**103.17**
*547-PS-12750	12	75.0	Nut and bolt	10.25	6.60	8.15	8.98	55.0	**219.81**
*547-PS121000	12	100.0	Nut and bolt	12.00	6.60	8.15	8.98	68.7	**258.80**

CSB SEALED LEAD-ACID BATTERIES

The CSB battery is small, light weight and gives high performance while being economical to use. It can be utilized for more than 160 cycles at 100% discharge in cycle service, or three to five years in standby service.

- 100% 2-Cycle tested

General Purpose

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Nominal Voltage	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
GP Series									
632-GP645WL	6	4.5	Mate-N-Lok	2.76	1.89	4.02	4.25	1.80	**11.36**
632-GP645	6	4.5	.187" Faston	2.76	1.89	4.02	4.25	1.80	**11.36**
632-GP672	6	7.2	.187" Faston	5.94	1.34	3.70	3.94	2.90	**14.66**
632-GP6120	6	12.0	.187" Faston	5.94	1.97	3.70	3.94	4.43	**19.94**
632-GP6120F2	6	12.0	.250" Faston	5.94	1.97	3.70	3.94	4.43	**19.94**
632-GP1222	12	2.2	.187" Faston	7.01	1.34	2.36	2.60	2.10	**16.20**
632-GP1245	12	4.5	.187" Faston	3.65	2.75	4.02	4.25	3.62	**18.24**
632-GP1272	12	7.2	.187" Faston	5.94	2.56	3.70	3.94	5.67	**22.16**
632-GP1272F2	12	7.2	.250" Faston	5.95	2.56	3.70	3.94	5.67	**22.16**
632-GP12120F2	12	12.0	.250" Faston	5.94	3.85	3.70	3.94	8.86	**38.30**
632-GP12170	12	17.0	Nut & Bolt	7.13	3.00	6.50	6.57	13.00	**55.46**
632-GP12260	12	26.0	Nut & Bolt	6.54	6.89	4.80	4.92	20.40	**81.14**
632-GP12400	12	40.0	Nut & Bolt	7.76	6.50	6.63	6.69	32.70	**121.66**
PRISM Series									
632-GH613	6	1.3	.187" Faston	3.82	0.95	2.05	2.32	0.66	**5.36**
632-GH633	6	3.3	.187" Faston	5.28	1.34	2.36	2.64	1.52	**9.14**
632-GH645	6	4.5	.187" Faston	2.76	1.85	3.98	4.21	1.85	**7.56**
632-GH685	6	8.5	.187" Faston	3.88	2.21	4.63	- - -	3.53	**18.20**
632-GH6120	6	12.0	.187" Faston	5.95	2.21	3.70	3.94	4.52	**18.66**
632-GH6130WLF	6	13.0	Toy	4.21	1.97	5.51	5.51	4.79	**28.48**
632-GH1213	12	1.3	.187" Faston	3.82	0.98	2.05	2.22	1.28	**10.48**
632-GH1222	12	2.2	.187" Faston	7.01	1.69	2.36	2.64	2.09	**13.36**
632-GH1234	12	3.4	.187" Faston	5.28	2.64	2.36	2.64	3.02	**17.44**
632-GH1270	12	7.0	.187" Faston	5.94	2.56	3.70	3.94	8.86	**20.70**

EVH Series (Extented Run High Cycle)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Nominal Voltage	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
632-EVH12150	12	15	.250" Faston	5.91	3.86	3.70	4.02	9.92	**45.50**
632-EVH12220	12	22	Insert & Bolt	7.07	2.94	6.26	6.57	14.70	**60.40**
632-EVH12390	12	39	Nut & Bolt	7.65	5.12	6.09	7.02	25.35	**97.50**

EVX Series (Deep Cycle Application)

- More than 400 cycles @100% discharge use

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Nominal Voltage	Nominal Capacity @ 20 Hr. Rate A.H.	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
632-EVX12120	12	12	.250" Faston	5.92	3.83	3.70	3.94	8.44	**34.90**
632-EVX12170	12	17	Nut & Bolt	7.13	3.00	6.51	6.57	13.40	**58.12**
632-EVX12260	12	26	Nut & Bolt	6.54	6.89	4.80	4.92	21.60	**85.84**
632-EVX12340	12	34	Nut & Bolt	7.70	5.12	6.09	7.03	29.30	**92.40**

HC/HR Series (High Rate Discharge)

For quantities of 10 and up, call for quote.

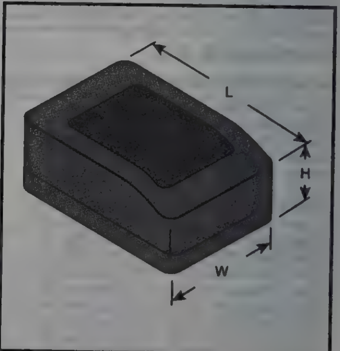
MOUSER STOCK NO.	Nom. Volt.	Watts/ Cell for 15 min. @ 25°C	Terminal Type	Dimensions (In.)				Wt. (lbs.)	Price Each
				Lgth.	Width	Height	Ht. Ov. Term.		
632-HC1217W	12	17	Recessed Polarized	5.50	1.89	4.02	4.07	3.82	**22.02**
632-HC1221W	12	21	Recessed Polarized	5.50	1.89	4.02	4.07	4.40	**22.94**
632-HC1228W	12	28	Recessed Polarized	5.50	1.89	4.96	5.00	5.73	**32.90**
632-HR1221W	12	21	.250" Faston	3.54	2.76	4.01	4.17	4.40	**23.00**
632-HR1224WF2F1	12	24	.187/.250" Faston	5.94	2.01	3.70	3.87	4.30	**20.42**
632-HR1234WF2	12	34	.250" Faston	5.90	2.53	3.70	3.94	5.80	**26.52**
632-HR1251WF2	12	51	.187/.250" Faston	5.92	3.83	3.70	3.94	8.20	**40.00**

POWER SONIC C-SERIES SWITCH-MODE CHARGERS

- Useable on domestic and overseas input voltages
- Automatic, current sensing dual-rated charging
- L.E.Ds indicate 'power on' and "Fast" and "Float" charging modes
- Screw type output terminals

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Power Sonic Part No.	Output Voltage (V)		Output	Weight (lbs.)	Dimensions: in.			Price Each	
		Nominal	Range			L	W	H	1	5
547-PSC-6300A-C	PSC-6300A-C	6	6.75-7.35	.3A	0.21	2.05	1.57	2.64	**28.88**	**26.25**
547-PSC-6500A-C	PSC-6500A-C	6	6.75-7.35	.5A	0.21	2.05	1.57	2.64	**30.03**	**27.30**
547-PSC-61000A-C	PSC-61000A-C	6	6.75-7.35	1A	0.30	2.24	1.73	3.23	**33.57**	**30.52**
547-PSC-64000A-C	PSC-64000A-C	6	6.75-7.35	4A	0.9	5.43	2.83	1.65	**92.40**	**84.00**
547-PSC-12300A-C	PSC-12300A-C	12	13.5-14.7	.3A	0.21	2.05	1.57	2.64	**29.18**	**26.53**
547-PSC-12500A-C	PSC-12500A-C	12	13.5-14.7	.5A	0.3	2.24	1.73	3.23	**30.49**	**27.72**
547-PSC-12800A-C	PSC-12800A-C	12	13.5-14.7	.8A	0.3	2.24	1.73	3.23	**32.34**	**29.40**
547-PSC-124000A-C	PSC-124000A-C	12	13.5-14.7	4A	0.9	5.43	2.83	1.65	**97.64**	**88.76**
547-PSC-241000A-C	PSC-241000A-C	24	27.00-29.40	1A	0.9	5.43	2.83	1.65	**85.01**	**77.28**



Pure Lead and Sealed Lead Acid Batteries

A

CYCLON
SEALED-LEAD RECHARGEABLE BATTERY

B

C

EnerSys PURE LEAD RECHARGEABLE BATTERIES

- High-rate power density
- Capable of more than 300 cycles
- High stable voltage delivery
- Wide temperature range:
  Cyclon Single Cells: -65°C ~ +80°C
  Monobloc: -40°C ~ +40°C
- Fast Recharge: up to 95% recharge in less than one hour
- Maintains performance and physical parameters in extreme conditions
- Can be mounted and operated in any position
- Provides the longest service life possible
- Low self-discharge rate
- Rugged construction

Cyclon 2 Volt Single Cells

∗ With 6mm negative / 8mm positive post terminals.

For quantities of 50 and up, call for quote.

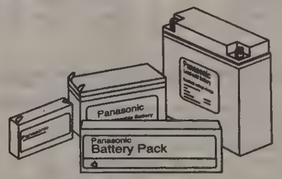
MOUSER STOCK NO.	Enersys Part No.	Fig.	Size	Capacity (Ah)	Dimensions: in.					Price Each			
					Diameter	Height	Height Over Term.	Weight (lbs.)	Tabs	1	5	10	25
846-0810-0004	0810-0004	A	D	2.5	1.35	2.41	2.68	0.39	.187 x 0.25	7.37	6.78	6.39	6.01
846-0800-0004	0800-0004	A	X	5.0	1.75	2.87	3.21	0.80	.250 x .025	11.88	10.91	10.27	9.63
846-0840-0004	0840-0004	A	J	12.0	2.04	4.85	5.34	1.85	0.312 x 0.032	51.34	48.98	46.29	43.80
∗ 846-0820-0004	0820-0004	A	BC	25.0	2.57	6.25	6.82	3.68	M6 (-) and M8 (+)	62.78	57.82	54.19	51.21

Cyclon 4 and 6 Volt Monoblocs

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Enersys Part No.	Fig.	Size	Capacity (Ah)	Dimensions: in.					Price Each			
					Diameter	Height	Height Over Term.	Weight (lbs.)	Tabs	1	5	10	25
4 Volt													
846-0819-0010	0819-0010	B	D	2.5	3.13	1.81	2.75	0.8	0.187 x .025	15.57	14.31	13.46	12.64
846-0809-0010	0809-0010	B	X	5.0	3.80	2.12	3.02	1.62	0.250 x .025	21.49	19.76	18.59	17.43
846-0859-0010	0859-0010	B	E	8.0	3.81	2.13	4.00	2.11	0.250 x .025	23.74	21.83	20.54	19.59
6 Volt													
846-0819-0012	0819-0012	C	D	2.5	4.48	1.81	2.75	1.15	0.187 x .025	25.66	23.58	22.19	20.81
846-0809-0012	0809-0012	C	X	5.0	5.48	2.12	3.02	2.16	0.250 x .025	26.79	26.06	24.57	23.02
846-0859-0012	0859-0012	C	E	8.0	5.48	2.13	4.00	3.15	0.250 x .025	31.40	28.86	27.17	25.46

Panasonic. SEALED LEAD-ACID BATTERIES

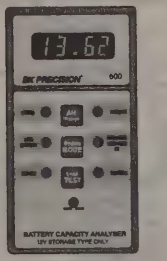


- High quality and reliability
- Exceptional deep discharge recover
- No corrosive gas generation
- Long service life
- Quick chargeability
- High power density
- Maintenance-free operation

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Nominal Voltage	Capacity 20 Hr. Rate (Ah)	Terminal Type	Dimensions: in.			Weight (lbs.)	Cycle Use		Trickle Use		Price Each
					L	W	H		Initial Current	Control Volt.	Initial Current	Control Volt.	
658-LCR061R3P	LC-R061R3P	6	1.3	.187" Faston	3.82	0.95	1.97	0.66	0.52A	7.25-7.45V	0.195A	6.8-6.9V	10.15
658-LCR063R4PU	LC-R063R4PU	6	3.4	.187" Faston	5.28	1.34	2.36	1.37	1.36A	14.5-14.9V	0.51A	13.6-13.8V	16.75
658-LCR064R5P	LC-R064R5P	6	4.5	.187" Faston	2.76	1.89	4.02	1.59	1.80A	7.25-7.45V	.675A	6.8-6.9V	12.76
658-LCR067R2P	LC-R067R2P	6	7.2	.187" Faston	5.95	1.34	3.70	2.78	2.88A	7.25-7.45V	1.08A	6.8-6.9V	15.70
658-LCR067R2P1	LC-R067R2P1	6	7.2	.250" Faston	5.95	1.34	3.70	2.78	2.88A	7.25-7.45V	1.08A	6.8-6.9V	15.70
658-LCR0612P	LC-R0612P	6	12.0	.187" Faston	5.95	1.97	3.70	4.30	4.8A	7.25-7.45V	1.8A	6.8-6.9V	17.13
658-LCR0612P1	LC-R0612P1	6	12.0	.250" Faston	5.95	1.97	3.70	4.30	4.8A	7.25-7.45V	1.8A	6.8-6.9V	17.13
658-LCR121R3PU	LC-R121R3PU	12	1.3	.187" Faston	3.82	1.87	1.97	1.30	4.8A	7.25-7.45V	1.8A	6.8-6.9V	19.60
658-LCR122R2PU	LC-R122R2PU	12	2.2	.187" Faston	6.97	1.34	2.36	1.76	0.88A	14.5-14.9V	0.33A	13.6-13.8V	22.70
658-LCR123R4PU	LC-R123R4PU	12	3.4	.187" Faston	5.28	2.64	2.36	2.65	1.36A	14.5-14.9V	0.51A	13.6-13.8V	28.45
658-LCR127R2P	LC-R127R2P	12	7.2	.187" Faston	5.95	2.54	3.70	5.45	2.88A	14.5-14.9V	1.08A	13.6-13.8V	23.35
658-LCR127R2P1	LC-R127R2P1	12	7.2	.250" Faston	5.95	2.54	3.70	5.45	2.88A	14.5-14.9V	1.08A	13.6-13.8V	23.35
658-LCRD1217P	LC-RD1217P	12	17.0	Nut and Bolt	7.13	2.99	6.57	14.34	6.8A	14.5-14.9V	2.55A	13.6-13.8V	43.55
658-LCX1228P	LC-X1228P	12	28.0	Nut and Bolt	6.50	4.92	6.89	24.30	11.2A	14.5-14.9V	----	----	76.25
658-LCLA1233P	LC-LA1233P	12	33.0	Nut and Bolt	7.70	5.12	6.10	26.50	13.2A	14.5-14.9V	4.95A	13.6-13.8V	84.40

BK PRECISION BATTERY CAPACITY ANALYZER



Applications:
The need for battery maintenance tools is growing for use in Automotive, Field Service and Maintenance, Telecommunications, and UPS Manufacturing/Maintenance applications. Perfect instrument for anyone working with UPS systems, Emergency back-up Flood Lights, Home and Business Security Alarm Systems, or for any applications using a 12 volt lead acid battery.

Specifications:
- Measures both No Load Voltage and Battery Capacity
- Displays storage capacity of 12V lead acid batteries as a percentage
- Powered by battery under test

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	B & K Part No.	Max. Input Volt.	Dimensions: in.			Weight (lbs)	Cap. Display Range	Price Each
			W	H	D			
615-600	600	20V	3.14	6.30	1.60	2.20	0-100%	332.25

RECHARGEABLE NICKEL-METAL HYDRIDE BUTTON CELLS

- Nominal cell voltage 1.2 V
- Wide operating temperature range
- Bare cells
- Built-in safety device
- No memory effect
- Cycle applications (IEC): 1,000 cycles
- Long life expectancy at trickle charge:
  up to 6 years @ 20°C
  up to 3 years @ 45°C

High Capacity Series

- UL Recognition
- Limited fast charge possible (within 3 h @ 0.5 CA, @ +20°C, after fully discharged cells)
- Suitable for overcharging at room temperature
- Self-discharge less than 10% after 1 month @ +20°C

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions: in.			Price Each			
					Length	Width	Height	1	10	50	100
672-55602	55602101501	A	V15H	16	-	0.45	0.12	1.20	1.14	1.08	1.02
672-55604	55604101501	A	V40H	43	-	0.45	0.21	1.60	1.52	1.44	1.36
672-55608	55608101501	A	V80H	80	-	0.61	0.24	1.82	1.73	1.64	1.55
672-55615	55615101501	B	V150H	150	0.56	1.01	0.23	2.00	1.90	1.80	1.70
672-55620	55620101501	B	V200H	220	0.56	1.01	0.29	2.08	1.98	1.87	1.77
672-55625	55625101501	A	V250H	250	-	0.99	0.26	2.14	2.03	1.93	1.82
672-55630	55630101501	A	CP300H	300	-	0.99	0.30	2.14	2.03	1.93	1.82
672-55635	55635101501	A	V350H	380	-	0.99	0.35	2.20	2.09	1.98	1.87

High Temperature Series

- UL Recognition
- Limited fast charge possible (within 3 h @ 0.5 CA, @ +20°C, after fully discharged cells)
- Suitable for overcharging at room temperature
- Self-discharge less than 10% after 1 month @ +20°C
- Long life expectancy especially at charging/trickle charging and discharging at higher ambient temperature

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions: in.			Price Each			
					Length	Width	Height	1	10	50	100
672-55707	55707101501	A	V65HT	70	-	0.61	0.24	1.82	1.73	1.64	1.55
672-55711	55711101501	B	V110HT	120	0.56	1.01	0.23	2.14	2.03	1.93	1.82
672-55851	55851101501	B	V500HRT	520	0.95	1.34	0.25	3.44	3.27	3.10	2.92

High Rate Series

- Self-discharge less than 20% after 1 month @ +20°C
- No memory effect
- Long life - typical 500 full cycles

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions: in.			Price Each			
					Length	Width	Height	1	10	50	100
672-55603	55603101501	C	V20HR	22	-	0.49	0.09	1.34	1.27	1.21	1.14
672-55945	55945101501	D	V450HR	460	0.95	1.34	0.21	3.24	3.13	3.02	2.90
672-55960	55960101501	D	V600HR	600	0.95	1.34	0.25	4.98	4.65	4.46	4.26

RECHARGEABLE NICKEL-METAL HYDRIDE 9V BATTERY

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions: in.	Price Each			
					Length x Width x Height	1	10	50	100
672-05522	05522101052	E	V7/8 150	150	1.91 x 1.05 x 0.62	10.64	10.11	9.58	9.04

RECHARGEABLE NICKEL-METAL HYDRIDE BUTTON CELL BATTERIES FOR MEMORY PROTECTION

- These batteries are designed for memory backup (MBU) and support to RTC (Real Time Clock) in various electronic applications.
- Button cell batteries in the charged state are suitable for wave soldering.

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	No. of Cells/Pins	Capacity mAh	Price Each			
						1	10	50	100
672-55615702	55615702012	F	2/V150H MEMPAC	2/4	150	9.98	9.48	8.98	8.48
672-55615703	55615703012	F	3/V150H MEMPAC	3/4	150	10.18	9.66	9.16	8.65
672-55615302	55615302059	G	2/V150H	2/3	150	4.98	4.73	4.48	4.23
672-55615303	55615303059	H	3/V150H	3/3	150	7.38	7.01	6.64	6.27
672-55608303059	55608303059	I	3/V80H	3/3	80	5.66	5.38	5.09	4.81
672-55608303012	55608303012	J	3/V80H	3/2	80	5.66	5.38	5.09	4.81
672-55608303060	55608303060	K	3/V80H	3/tabs	80	5.66	5.38	5.09	4.81

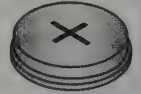
LITHIUM BATTERIES

- High open circuit and load voltage (above 3 V per cell)
- High energy density (400 Wh/kg and 600 Wh/l)
- High capacity and high rate cell construction
- Flat discharge profile under low to medium rate applications

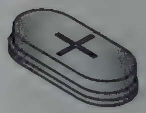
For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Fig.	Type	Capacity mAh	Dimensions: in.	Price Each			
					Dia. x Height	1	10	50	100
672-61271	6127101301	L	CR1/2AA	950	0.58 x 0.99	4.32	4.10	3.89	3.67
672-61272	6127201301	M	CR1/2AASLF	950	0.58 x 0.99	4.98	4.73	4.48	4.23
672-62371	6237101301	L	CR2/3AA	1350	0.58 x 1.32	4.90	4.66	4.41	4.17
672-60322	6032201501	N	CR2032 SLF	230	.79 x .13	1.10	1.05	.99	.94
672-60324	6032401501	O	CR2032 PCB	230	.79 x .13	1.10	1.05	.99	.94

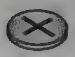
A



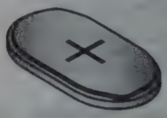
B



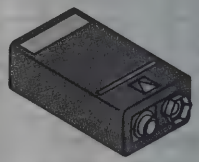
C



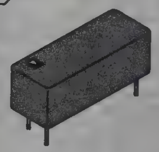
D



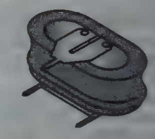
E



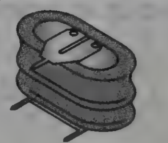
F



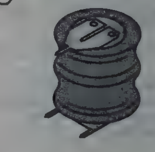
G



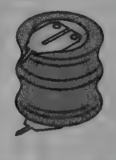
H



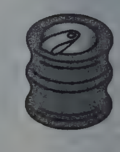
I



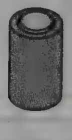
J



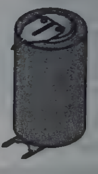
K



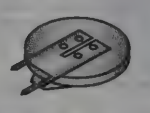
L



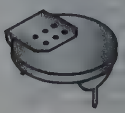
M



N



O

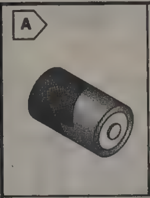


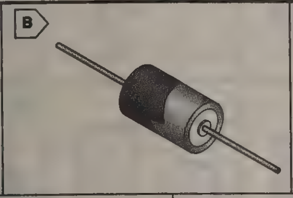
TADIRAN Lithium Batteries

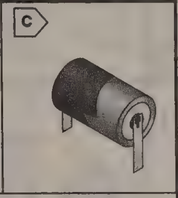
Tadiran's Lithium Chloride chemistry offers the highest intrinsic negative potential, resulting in the highest specific energy and highest energy, outperforming all other competing chemistries.

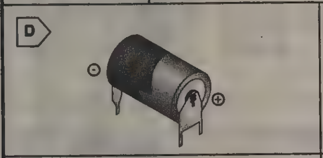
- Long shelf life
- Higher capacity
- Greater energy density
- Operating temperature range: -55°C~ -85°C

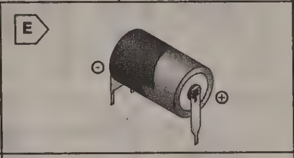
DIMENSIONS: in.

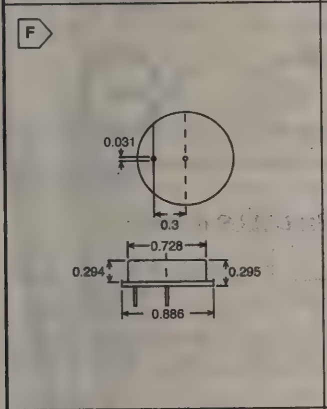
A


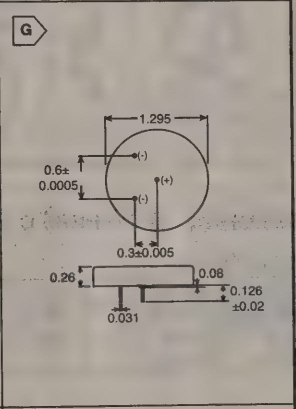
B


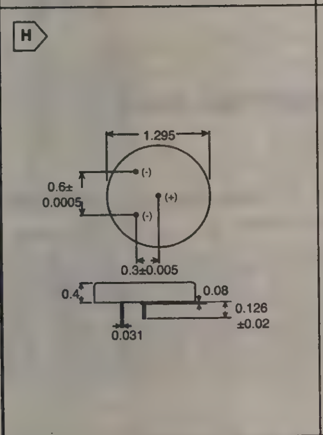
C


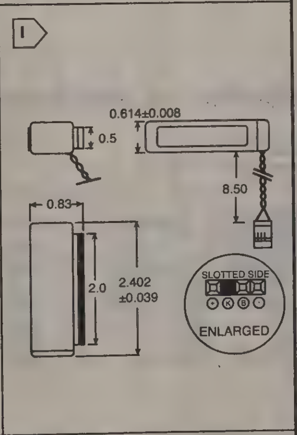
D


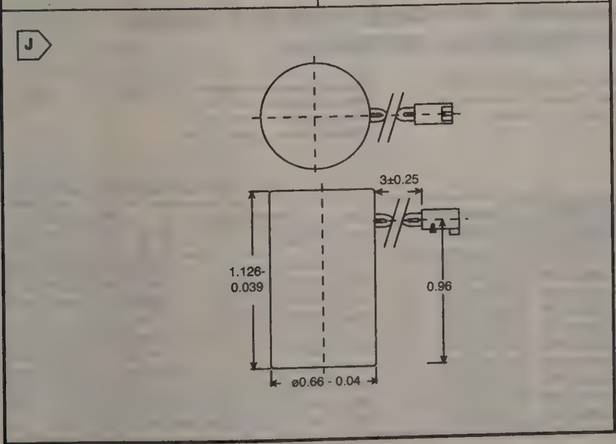
E


F


G


H


I


J


XTRA SERIES CYLINDRICAL CELLS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Volts	Capacity (Ah)	Dimensions: in.	Price Each		
						1	10	50
Pressure Contacts								
667-TL2150S	A	1/2AA	3.6	.95	.57 x .99	5.25	4.95	4.65
667-TL2155S	A	2/3AA	3.6	1.45	.57 x 1.32	6.98	6.58	6.18
667-TL2100S	A	AA	3.6	2.1	.57 x 1.99	6.65	6.27	5.89
667-TL2200S	A	C	3.6	7.2	1.03 x 1.97	13.86	13.07	12.28
667-TL2300S	A	D	3.6	16.5	1.3 x 2.42	17.50	16.50	15.50
Axial Leads								
667-TL2150P	B	1/2AA	3.6	.95	.57 x .99	5.51	5.20	4.88
667-TL2155P	B	2/3AA	3.6	1.45	.57 x 1.32	7.23	6.81	6.40
667-TL2100P	B	AA	3.6	2.1	.57 x 1.99	6.82	6.44	6.05
Solder Tabs								
667-TL2150T	C	1/2AA	3.6	.95	.57 x .99	5.69	5.36	5.04
667-TL2155T	C	2/3AA	3.6	1.45	.57 x 1.32	7.23	6.81	6.40
667-TL2100T	C	AA	3.6	2.1	.57 x 1.99	6.65	6.27	5.89
667-TL2200T	C	C	3.6	7.2	1.03 x 1.97	13.83	13.04	12.25
667-TL2300T	C	D	3.6	16.5	1.3 x 2.42	17.94	16.91	15.89
Polarized Tabs (two pins on positive end)								
667-TL2150PT	D	1/2AA	3.6	.95	.57 x .99	6.56	6.19	5.81
667-TL2155PT	D	2/3AA	3.6	1.45	.57 x 1.32	7.23	6.81	6.40
667-TL2100PT	D	AA	3.6	2.1	.57 x 1.99	6.98	6.58	6.18
Polarized Tabs (two pins on negative end)								
667-TL2150TP	E	1/2AA	3.6	.95	.57 x .99	6.56	6.19	5.81
667-TL2155TP	E	2/3AA	3.6	1.45	.57 x 1.32	7.23	6.81	6.40
667-TL2100TP	E	AA	3.6	2.1	.57 x 1.99	6.98	6.58	6.18

XTRA SERIES HIGH CAPACITY CYLINDRICAL CELLS

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Volts	Capacity (Ah)	Dimensions: in.	Price Each		
						1	10	50
Pressure Contacts								
667-TL5902S	A	1/2AA	3.6	1.2	.57 x .99	6.21	5.89	5.50
667-TL5955S	A	2/3AA	3.6	1.65	.57 x 1.32	7.86	7.41	6.96
667-TL5903S	A	AA	3.6	2.4	.57 x 1.99	7.70	7.26	6.82
667-TL5920S	A	C	3.6	8.5	1.03 x 1.97	18.01	16.98	15.95
667-TL5930S	A	D	3.6	19.0	1.3 x 2.42	23.19	21.86	20.54
Axial Leads								
667-TL5902P	B	1/2AA	3.6	1.2	.57 x .99	6.39	6.02	5.66
667-TL5955P	B	2/3AA	3.6	1.65	.57 x 1.32	8.21	7.74	7.27
667-TL5903P	B	AA	3.6	2.4	.57 x 1.99	8.05	7.59	7.13
Solder Tabs								
667-TL5902T	C	1/2AA	3.6	1.2	.57 x .99	6.65	6.27	5.89
667-TL5955T	C	2/3AA	3.6	1.65	.57 x 1.32	8.21	7.74	7.27
667-TL5903T	C	AA	3.6	2.4	.57 x 1.99	8.14	7.67	7.21
667-TL5920T	C	C	3.6	8.5	1.03 x 1.97	18.38	17.33	16.28
667-TL5930T	C	D	3.6	19.0	1.3 x 2.42	23.63	22.28	20.93
Polarized Tabs (two pins on positive end)								
667-TL5902PT	D	1/2AA	3.6	1.2	.57 x .99	6.98	6.58	6.18
667-TL5955PT	D	2/3AA	3.6	1.65	.57 x 1.32	8.21	7.74	7.27
667-TL5903PT	D	AA	3.6	2.4	.57 x 1.99	8.73	8.23	7.73
Polarized Tabs (two pins on negative end)								
667-TL5902TP	E	1/2AA	3.6	1.2	.57 x .99	6.98	6.58	6.18
667-TL5955TP	E	2/3AA	3.6	1.65	.57 x 1.32	8.21	7.74	7.27
667-TL5903TP	E	AA	3.6	2.4	.57 x 1.99	8.73	8.23	7.73

MBU SERIES CYLINDRICAL CELLS

- Memory Backup

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Volts	Capacity (Ah)	Dimensions: in.	Price Each		
						1	10	50
Pressure Contacts								
667-TL5101S	A	1/2AA	3.6	.95	.57 x .99	4.81	4.54	4.26
667-TL5155S	A	2/3AA	3.6	1.45	.57 x 1.32	6.56	6.19	5.81
667-TL5104S	A	AA	3.6	2.1	.57 x 1.99	5.86	5.53	5.19
Axial Leads								
667-TL5101P	B	1/2AA	3.6	.95	.57 x .99	5.25	4.95	4.65
667-TL5155P	B	2/3AA	3.6	1.45	.57 x 1.32	6.98	6.58	6.18
667-TL5104P	B	AA	3.6	2.1	.57 x 1.99	6.30	5.94	5.58
Solder Tabs								
667-TL5101T	C	1/2AA	3.6	.95	.57 x .99	5.16	4.87	4.57
667-TL5155T	C	2/3AA	3.6	1.45	.57 x 1.32	6.98	6.58	6.18
667-TL5104T	C	AA	3.6	2.1	.57 x 1.99	6.21	5.86	5.50

MBU SERIES WAFER CELLS

- Memory Backup

For quantities of 100 and up, call for quote.

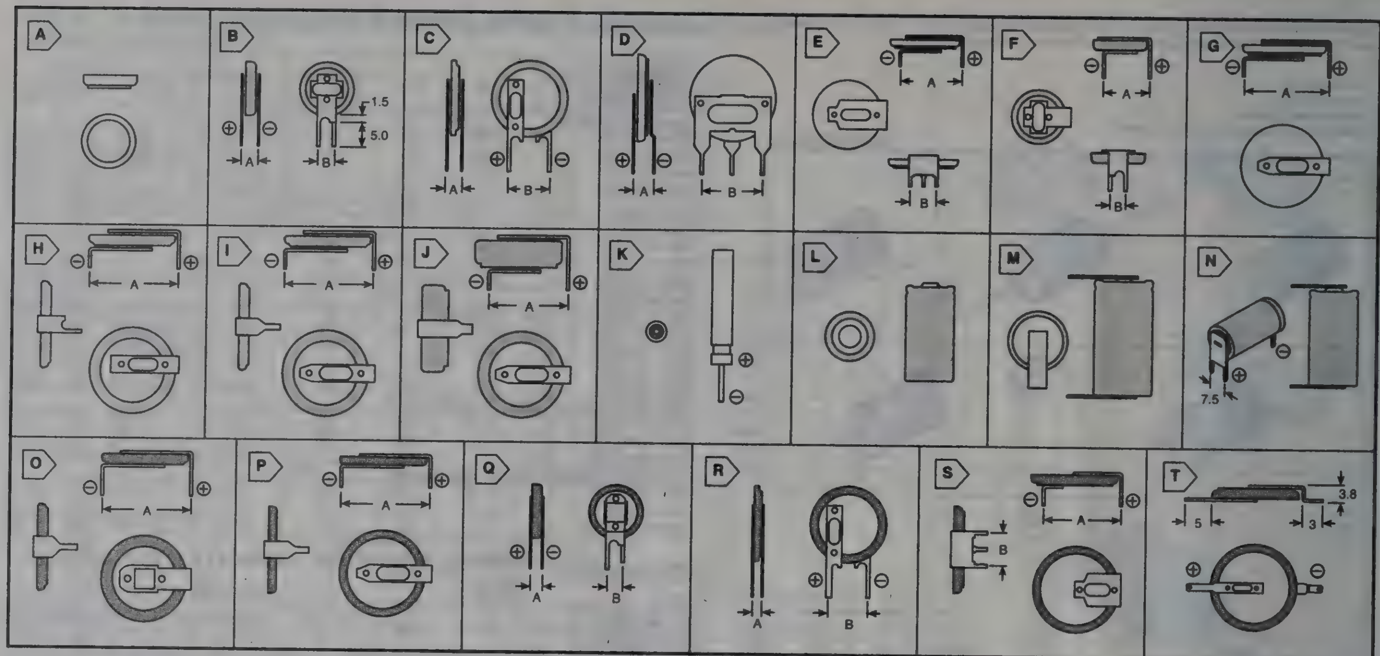
MOUSER STOCK NO.	Fig.	Size	Volts	Capacity (Ah)	Dimensions: in.	Price Each		
						1	10	50
667-TL5186P	F	BEL	3.6	.4	.89 x .27	4.81	4.54	4.26
667-TL5134	G	1/10D	3.6	1.0	1.3 x .26	6.56	6.19	5.81
667-TL5135	H	1/6D	3.6	1.7	1.3 x .39	6.91	6.51	6.12

BATTERY PACKS

- Memory Backup

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Volts	Capacity (Ah)	Dimensions: in.	Price Each		
					1	10	50
667-TL5242W	I	3.6	2.1	.61 x .76 x 2.41	10.50	9.75	9.25
667-TL5276W	J	3.6	.95	ø.66 x 1.13	9.63	9.08	8.53



DIMENSIONS (mm)

Panasonic. 3V LITHIUM COIN CELLS

BR Series:
- Lithium Poly-Carbonmonofluoride
- Stable voltage discharge
- Suitable for low drain devices
- Suitable for high temperature applications
- Operating temperature range: -30° ~ +80°C

CR Series:
- Lithium Manganese Dioxide
- Tapered voltage discharge
- Suitable for high drain devices
- Operating temperature range: -30° ~ +60°C

Coin Cells

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Capacity (mAh)	Dimensions: mm	Price Each			
					1	10	25	50
658-BR1216	BR1216	A	25	12.5 x 1.6	1.35	1.24	1.16	1.09
658-BR1225	BR1225	A	48	12.5 x 2.0	1.37	1.25	1.18	1.10
658-BR1616	BR1616	A	48	16.0 x 2.5	1.37	1.25	1.18	1.10
658-BR1632	BR1632	A	120	16.0 x 3.2	1.50	1.24	1.07	1.00
658-BR2016	BR2016	A	75	20.0 x 1.6	1.25	1.13	1.09	1.05
658-BR2032	BR2032	A	190	20.0 x 3.2	1.39	1.30	1.22	1.17
658-BR2325	BR2325	A	165	23.0 x 2.5	1.44	1.32	1.24	1.16
658-BR2330	BR2330	A	255	23.0 x 3.0	2.04	1.80	1.68	1.56
658-BR3032	BR3032	A	500	30.0 x 3.2	2.96	2.66	2.51	2.37
658-CR1025	CR1025	A	30	10.0 x 2.5	1.14	1.01	.94	.90
658-CR1216	CR1216	A	25	12.0 x 1.6	1.11	1.02	.90	.84
658-CR1220	CR1220	A	35	12.0 x 2.0	1.05	.92	.79	.73
658-CR1616	CR1616	A	55	16.0 x 1.6	.81	.72	.68	.63
658-CR1620	CR1620	A	75	16.0 x 2.0	.96	.88	.80	.75
658-CR1632	CR1632	A	125	16.0 x 3.2	1.31	1.19	1.13	1.07
658-CR2012	CR2012	A	55	20.0 x 1.2	1.22	1.11	1.04	1.01
658-CR2016	CR2016	A	90	20.0 x 1.6	.45	.42	.40	.39
658-CR2025	CR2025	A	165	20.0 x 2.5	.49	.45	.42	.40
658-CR2032	CR2032	A	220	20.0 x 3.2	.45	.42	.40	.39
658-CR2320	CR2320	A	130	23.0 x 2.0	1.22	1.15	1.11	1.07
658-CR2330	CR2330	A	265	23.0 x 3.0	1.57	1.45	1.36	1.28
658-CR2354	CR2354	A	560	23.0 x 5.4	1.67	1.57	1.51	1.46
658-CR2477	CR2477	A	1000	24.5 x 7.7	3.30	3.09	2.96	2.88
658-CR3032	CR3032	A	500	30.0 x 3.2	2.53	2.19	2.06	1.91

Coin Cells w/ PC Mount Pins

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Cap. (mAh)	Dimension: mm			Price Each			
				Battery	A	B	1	10	25	50
658-BR1225-1VC	BR1225/1VC	B	48	12.5 x 2.5	3.0	3.25	1.74	1.63	1.57	1.51
658-BR2325-1VC	BR2325/1VC	C	165	23.0 x 2.5	3.2	10.70	2.03	1.94	1.87	1.81
658-BR2330-1VC	BR2330/1VC	C	255	23.0 x 3.0	3.9	11.45	2.09	2.02	1.95	1.88
658-BR2325-1VG	BR2325/1VG	D	165	23.0 x 2.5	5.1	15.24	1.86	1.74	1.68	1.62
658-BR2325-1HG	BR2325/1HG	E	165	23.0 x 2.5	20.5	7.50	1.71	1.61	1.55	1.50
658-BR1225-1HC	BR1225/1HC	F	48	12.5 x 2.0	10.0	3.25	1.73	1.58	1.53	1.48
658-BR2032-1HE	BR2032/1HE	G	190	20.0 x 3.2	20.5	- - -	1.71	1.53	1.49	1.45
658-BR2325-1HC	BR2325/1HC	H	165	23.0 x 2.5	20.5	- - -	1.71	1.61	1.55	1.50
658-BR2330-1HE	BR2330/1HE	I	255	23.0 x 3.0	20.5	- - -	2.30	2.03	1.90	1.83
658-CR2477-1HF	CR2477/1HF	J	1000	24.5 x 7.7	20.5	- - -	4.15	3.70	3.35	3.30

Panasonic. 3V LITHIUM COIN CELLS (CONT.)

3V Lithium Pin Type

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Capacity (mAh)	Dimensions: mm	Price Each			
					1	10	25	50
658-BR425	BR425	K	25	4.2 x 25.9	3.60	3.30	3.10	2.90
658-BR435	BR435	K	50	4.2 x 35.9	3.75	3.38	3.30	3.25

Panasonic. 3V LITHIUM CYLINDRICAL CELLS

- High energy density
- Long shelf life
- Operating temperature range: -40° ~ +85°C
- High rate discharge

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Capacity (mAh)	Dimensions: mm	Price Each			
					1	10	25	50
658-BR2-3ASSP	BR-2/3ASSP	L	1200	17.0 x 33.5	4.23	3.75	3.49	3.36
658-BR2-3AT2SP	BR-2/3AT2SP	M	1200	17.0 x 33.5	4.75	4.48	4.20	3.92
658-BR2-3AE2SP	BR-2/3AE2SP	N	1200	17.0 x 33.5	5.18	4.62	4.20	3.92
658-BR-A	BR-A	L	1800	17.0 x 45.5	9.75	8.99	8.25	7.99
658-BR-C	BR-C	L	5000	26.0 x 50.0	13.16	12.06	10.97	10.23
658-BR-CT2SP	BR-CT2SP	M	5000	26.0 x 50.0	13.88	12.69	11.50	11.10

Panasonic. VANADIUM PENTOXIDE LITHIUM 3V RECHARGEABLE BATTERIES

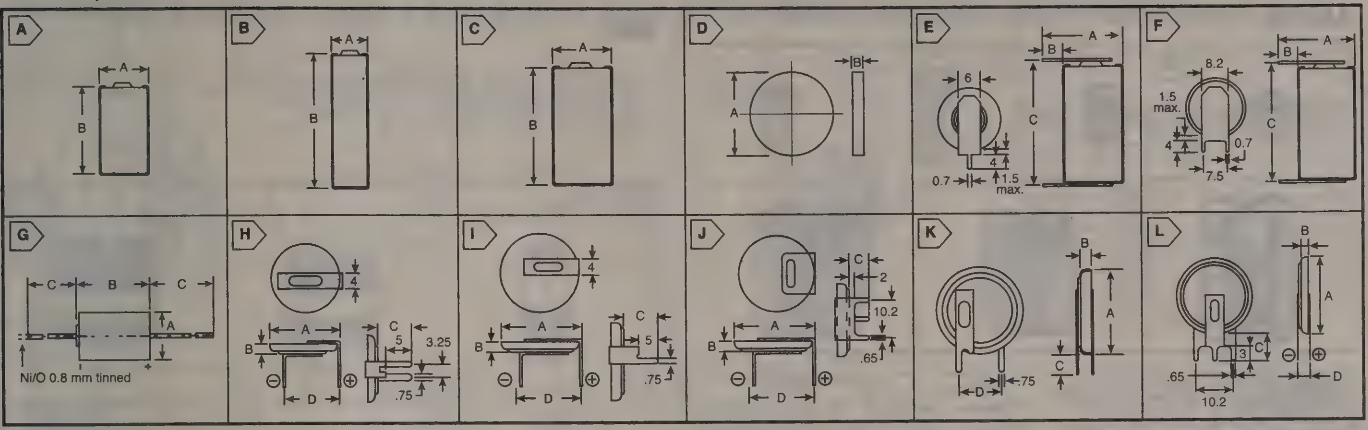
Compact, high energy batteries that have nearly twice the energy of conventional button-shaped NiCd batteries.

- Operating temperature range: -20° ~ +60°C
- Self-discharge per year: 2%
- Charge voltage: 3.25V ~ 3.55V
- Charge-discharge cycles: 1000

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Panasonic Part No.	Fig.	Cap. (mAh)	Dimension: mm			Price Each			
				Battery	A	B	1	10	25	50
658-VL1220-1HF	VL1220-1HF	O	7.0	12.5 x 2.0	10.0	- - -	4.59	4.14	3.99	3.90
658-VL2020-1HF	VL2020-1HF	P	20.0	20.0 x 2.0	20.5	- - -	4.73	4.17	3.89	3.75
658-VL2320-1HF	VL2320-1HF	P	30.0	23.0 x 2.0	20.5	- - -	5.83	5.15	4.80	4.63
658-VL2330-1HF	VL2330-1HF	P	50.0	23.0 x 3.0	20.5	- - -	7.19	6.35	5.92	5.71
658-VL1220-1VC	VL1220-1VC	Q	7.0	12.5 x 2.0	2.5	3.25	4.44	3.92	3.65	3.52
658-VL2020-1VC	VL2020-1VC	R	20.0	20.0 x 2.0	2.7	10.2	4.73	4.17	3.89	3.75
658-VL2320-1VC	VL2320-1VC	R	30.0	23.0 x 2.0	2.7	10.2	5.83	5.15	4.80	4.63
658-VL2330-1VC	VL2330-1VC	R	50.0	23.0 x 3.0	3.7	10.2	7.19	6.35	5.92	5.71
658-VL3032-1GUF	VL3032-1GUF	S	100.0	30.0 x 3.2	25.4	10.2	9.23	8.15	7.60	7.33
658-VL3032-1F2	VL3032-1F2	T	100.0	30.0 x 3.2	solder tabs		9.23	8.15	7.60	7.33

Lithium Batteries and Holders



SANYO 3V LITHIUM COIN/CYLINDRICAL CELLS WITH PC PINS

Dimensions:

A-Diameter of Cell
B-Height/Thickness of Cell
C-Lead Length
D-Lead Spacing

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Capacity mAh	Dimensions: mm				Price Each		
			A	B	C	D	1	10	50
Cylindrical Cells									
639-CR14250SE	A	850	14.5	25.0	-	-	5.88	5.35	4.89
639-CR17335-SE	A	1800	17.0	33.5	-	-	9.32	8.47	7.70
639-CR12600SE	B	1500	12.0	60.0	-	-	9.98	9.08	8.25
639-CR17450SE	A	2500	17.0	45.0	-	-	11.44	10.40	9.45
Coin Cells									
639-CR1220	D	35	12.5	2.0	-	-	1.38	1.20	1.09
639-CR2016	D	80	20.0	1.6	-	-	1.05	.91	.83
639-CR2025	D	160	20.0	2.5	-	-	1.05	.91	.83
639-CR2032	D	220	20.0	3.2	-	-	1.05	.91	.83
639-CR2430	D	280	24.5	3.0	-	-	1.99	1.73	1.57

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Fig.	Capacity mAh	Dimensions: mm				Price Each		
			A	B	C	D	1	10	50
Cylindrical Cells with PC Pins									
639-CR14250SET-P1	E	850	14.5	5.5	25.5	-	6.84	5.95	5.41
639-CR14250SET-FT	F	850	14.5	5.5	25.5	-	6.84	5.95	5.41
639-CR14250SET-SP1	G	850	14.5	25.0	35.0	-	6.84	5.95	5.41
639-CR17335SET-FT	F	1800	17.0	5.5	34.0	-	9.74	8.47	7.70
Coin Cells with PC Pins									
639-CR1220-P1	H	35	14.0	2.0	6.5	10.0	1.78	1.55	1.41
639-CR2032-T141	I	190	21.5	3.2	6.5	20.5	1.94	1.69	1.54
639-CR2032-P51	I	190	21.0	3.2	9.0	15.2	2.02	1.76	1.60
639-CR2032-FT1	J	190	21.0	3.2	6.0	15.2	1.94	1.69	1.54
639-CR2032-T92	K	190	20.5	3.2	4.5	10.5	1.94	1.69	1.54
639-CR2032-FT42	L	190	20.5	3.2	5.0	3.4	2.02	1.76	1.60
639-CR2430-P1-2	I	270	25.5	3.0	6.5	20.3	2.30	2.00	1.82
639-CR2430-FT1	J	270	25.0	3.0	6.0	17.8	2.30	2.00	1.82
639-CR2430-P22	K	270	25.0	3.0	4.5	10.5	2.30	2.00	1.82
639-CR2430-FT42	L	270	25.0	3.0	5.0	3.2	2.30	2.00	1.82
639-CR2450-P2	I	500	25.5	5.0	6.5	20.3	5.76	5.00	4.55
639-CR2450-FT1	J	500	25.5	5.0	5.0	17.8	4.85	4.21	3.84
639-CR2450-FT54	L	500	24.5	5.0	5.0	5.1	3.59	3.12	2.84

ENERGIZER 3V LITHIUM COIN CELLS

- 10 year estimated shelf life
- High energy density

MOUSER STOCK NO.	Fig	Capacity (mAh)	Dimensions: in.	Std. Pkg. Quantity	Case Qty.	Price Per Battery		
						1	Std. Pkg.	Case
525-E-CR2016BP	D	80	.787 x .063	6	480	1.44	1.36	1.28
525-E-CR2025BP	D	170	.787 x .098	6	480	1.44	1.36	1.28
525-E-CR2032BP	D	225	.787 x .126	6	480	1.44	1.36	1.28

renata 3V LITHIUM PC MOUNT COIN CELLS

the swiss power source

Horizontal

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Capacity (mAh)	Dimensions: mm				Price Each			
			A	B	C	D	1	10	50	100
Two Pin										
614-CR1220FH-LF	I	38	12.7	2.8	3.9	11.0	1.43	1.30	1.25	1.20
614-CR1225FH-LF	I	48	12.7	3.3	3.9	11.0	1.38	1.30	1.23	1.17
614-CR2025FH-LF	I	170	20.2	3.3	3.9	15.2	1.43	1.36	1.31	1.26
614-CR2032FH-LF	I	235	20.2	3.9	3.9	15.2	1.43	1.36	1.31	1.26
614-CR2325FH-LF	I	190	23.2	3.3	3.9	20.4	1.94	1.64	1.41	1.31
614-CR2450NFH-LF	I	540	24.7	5.8	3.9	20.4	2.20	2.00	1.85	1.67
614-CR2477NFH-LF	I	950	24.7	8.5	3.9	20.4	4.20	3.65	3.49	3.31
Three Pin										
614-CR2025RH-LF	J	170	20.2	4.85	4.0	15.2	1.43	1.36	1.31	1.26
614-CR2032RH-LF	J	235	20.2	5.45	4.0	15.2	1.43	1.36	1.31	1.26
614-CR2450NRH-LF	J	540	24.7	7.35	4.0	17.8	2.20	2.00	1.85	1.67

Vertical

For quantities of 200 and up, call for quote.

MOUSER STOCK NO.	Fig.	Nominal Capacity (mAh)	Dimensions: mm				Price Each			
			A	B	C	D	1	10	50	100
Two Pin										
614-CR1220FV-LF	K	38	12.5	2.0	4.0	5.1	1.43	1.30	1.25	1.20
614-CR1225FV-LF	K	48	12.5	2.5	4.0	5.1	1.38	1.30	1.23	1.17
614-CR2032FV-LF	K	235	20.0	3.2	4.0	10.5	1.43	1.36	1.31	1.26
614-CR2320FV-LF	K	150	23.0	2.0	4.0	10.5	2.47	2.36	2.24	2.12
614-CR2325FV-LF	K	190	23.0	2.5	4.0	10.5	1.94	1.64	1.41	1.31
614-CR2450NFV-LF	K	540	24.5	5.0	4.0	10.5	2.20	2.00	1.85	1.67
614-CR2477NFV-LF	K	950	24.5	7.7	4.0	10.5	3.64	3.17	3.02	2.87
Three Pin										
614-CR2025RV-LF	L	170	20.0	2.5	4.0	2.8	1.43	1.36	1.31	1.26
614-CR2032RV-LF	L	235	20.0	3.2	4.0	3.5	1.43	1.36	1.31	1.26
614-CR2325RV-LF	L	190	23.0	2.5	4.0	2.8	1.58	1.50	1.44	1.35
614-CR2450NRV-LF	L	540	24.5	5.0	4.0	5.3	2.20	2.00	1.85	1.67

renata 3V LITHIUM COIN CELLS

the swiss power source

- For electronic devices and memory back-up

3V
LITHIUM
RENATA
CR 2032
SWISS MADE

Blister Card / Bulk Package

Blister Card MOUSER STOCK NO.	Nom. Cap. (mAh)	Dim.: mm		Price Each			Bulk Package MOUSER STOCK NO.	Fig.	Qty. Per Case	Price Ea. Case	
		A	B	1	10	50				1	5
614-CR1025	30	10.0	2.5	1.03	.98	.93	-	-	-	-	-
614-CR1216	25	12.5	1.6	1.08	1.03	.98	-	-	-	-	-
614-CR1220	38	12.5	2.0	.82	.78	.75	-	-	-	-	-
614-CR1225	48	12.5	2.5	.97	.92	.87	-	-	-	-	-
614-CR1616	50	16.0	1.6	.82	.78	.75	614-CR1616-400	D	400	207.20	192.40
614-CR1620	68	16.0	2.0	.82	.78	.75	614-CR1620-400	D	400	246.40	228.80
614-CR1632	125	16.0	3.2	1.85	1.76	1.67	-	-	-	-	-
614-CR2016	80	20.0	1.6	.82	.78	.75	-	-	-	-	-
614-CR2025	170	20.0	2.5	.82	.78	.75	614-CR2025-400	D	400	151.20	140.45
614-CR2032	235	20.0	3.2	.82	.78	.75	614-CR2032-400	D	400	140.00	130.00
614-CR2320	150	23.0	2.0	1.13	1.07	1.02	-	-	-	-	-
614-CR2325	190	23.0	2.5	1.23	1.17	1.11	614-CR2325-300	D	300	243.60	221.76
614-CR2430	285	24.5	3.0	1.23	1.17	1.11	614-CR2430-300	D	300	184.80	171.60
614-CR2450N	540	24.5	5.0	2.20	2.09	1.99	614-CR2450N-200	D	200	179.20	166.40
614-CR2477N	950	24.5	7.7	2.90	2.77	2.64	614-CR2477N-150	D	150	264.60	245.70

renata BUTTON CELL BATTERY HOLDERS

the swiss power source

- Positive retention of battery • Safety against inverse polarity and leak currents
- Holder material: heat resistant, glass-fiber filled LCP
- Contacts: nickel plated stainless steel

Through Hole

Surface Mount

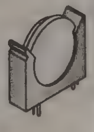
For quantities of 200 and up, call for quote.

Through Hole MOUSER STOCK NO.	Surface Mount MOUSER STOCK NO.	For Use With	Price Each			
			1	10	50	100
614-HU1225-LF	614-SMTU1225-LF	CR1225	.80	.72	.68	.64
614-HU2032-LF	614-SMTU2032-LF	CR2032	.82	.74	.70	.66
614-HU2430-LF	--------------	CR2430	.84	.76	.71	.67
614-HU2450N-LF	614-SMTU2450N-LF	CR2450N	.86	.77	.73	.69
614-HU2477N-LF	614-SMTU2477N-LF	CR2477N	.88	.79	.75	.70

renata VERTICAL BATTERY HOLDER

the swiss power source

- Safety against short circuits, inverse polarity and leak currents
- Easy and fast battery replacement



NH5077

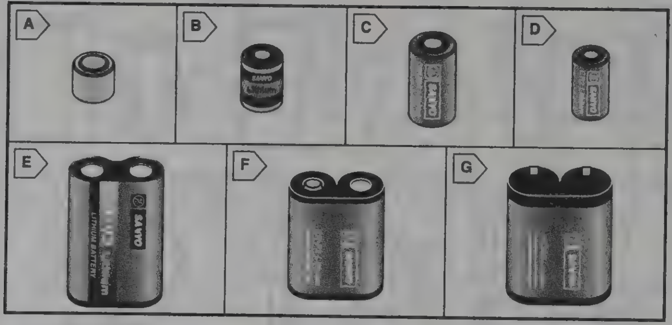
VBH2032-1

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	For Use With	Price Each			
		1	10	50	100
614-NH5077-LF	CR2450N or CR2477N	3.52	3.17	2.99	2.64
614-VBH2032-1	CR2032	.95	.85	.75	.63

Lithium and Electronic Batteries

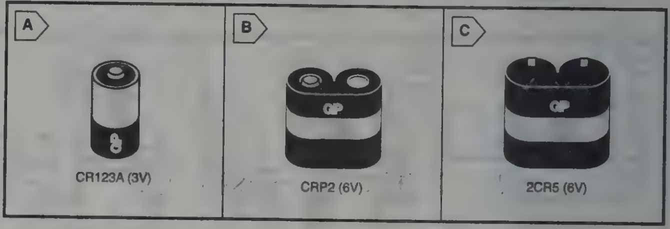
SANYO HIGH POWER PHOTO LITHIUM BATTERIES



MOUSER STOCK NO.	Fig.	Volts	Capacity mAh	Dimensions: in. Diameter x Height	Price Each		
					1	10	50
639-CR1/3N	A	3	160	0.45 x 0.43	3.45	3.30	3.14
639-2CR1/3N	B	6	160	0.51 x 0.98	9.15	8.74	8.32
639-CR123	C	3	1400	0.67 x 1.36	4.86	4.58	4.43
639-CR2	D	3	350	0.61 x 1.06	5.36	5.04	4.88
639-CR-V3	E	3	3300	1.14(L)x0.57(W)x2.05(H)	10.71	10.11	9.52
639-CRP2	F	6	1400	1.37(L)x0.77(W)x1.41(H)	8.45	7.98	7.70
639-2CR5M	G	6	1400	1.24(L)x0.67(W)x1.77(H)	8.45	7.98	7.70

GP LITHIUM PHOTO / COMPUTER BATTERIES

- Environmentally responsible - contains no mercury, cadmium, or lead
- Delivers exceptionally high energy over a wide temperature range
- Fits cameras and flashes that use 3V or 6V lithium batteries
- Provides back-up for many personal computers



MOUSER STOCK NO.	Fig.	Volts	Dimensions: in. Diameter x Height	Price Each			
				1	10	25	100
573-CR123A	A	3	.662 x 1.36	3.50	3.30	3.20	3.10
573-CRP2	B	6	1.42(L) x .768(W) x 1.38(H)	7.00	6.60	6.40	6.20
573-2CR5	C	6	1.34(L) x .670(W) x 1.77(H)	7.20	6.75	6.50	6.30

renata BUTTON CELL BATTERIES

3V
LITHIUM
RENATA
CR 2032
SWISS MADE

Button Cell

ZA675
zinc•air 1.4V
RENATA Premium

1.55V Silver-Oxide

MOUSER STOCK NO.	Nominal Capacity (mAh)	Dimensions: mm	Replaces	Price Each		
				1	10	50
614-301	120	11.6 x 4.2	SR43, SR1142, SR43SW	.90	.86	.82
614-303	175	11.6 x 5.4	SR44, SR1154, SR44SW	1.13	1.07	1.02
614-315	19	7.9 x 1.6	SR67, SR716SW	.94	.89	.85
614-317	10	5.8 x 1.6	SR62, SR516SW	.72	.68	.65
614-319	18	5.8 x 2.6	SR64, SR527SW	.72	.68	.65
614-321	13	6.8 x 1.6	SR65, SR616SW	.65	.61	.58
614-329	37	7.9 x 3.1	SR731SW	.73	.70	.67
614-335	5	5.8 x 1.2	SR512SW	1.08	1.03	.98
614-337	8	4.8 x 1.6	SR416SW	2.44	2.32	2.20
614-339	11	6.8 x 1.4	SR614SW	1.91	1.81	1.72
614-341	15	7.9 x 1.4	SR714SW	1.66	1.58	1.50
614-344	105	11.6 x 3.6	SR42, SR1136SW	.94	.89	.85
614-362	24	7.9 x 2.1	SR58, SR721, SR721SW	.59	.56	.53
614-364	22	6.8 x 2.1	SR60, SR621, SR621SW	.50	.48	.46
614-371	38	9.5 x 2.1	SR69, SR921, SR920SW	.59	.56	.53
614-373	29	9.5 x 1.6	SR68, SR916SW	.88	.84	.79
614-377	30	6.8 x 2.6	SR66, SR626, SR626SW	.59	.56	.53
614-379	16	5.8 x 2.1	SR63, SR521, SR521SW	.64	.61	.58
614-381	50	11.6 x 2.1	SR1120SW	.74	.70	.67
614-384	45	7.9 x 3.6	SR41, SR41SW	.50	.48	.46
614-390	80	11.6 x 3.1	SR54, SR1130SW	.74	.70	.67
614-394	84	9.5 x 3.6	SR936SW	.72	.68	.65
614-395	57	9.5 x 2.6	SR57, SR927SW	.62	.59	.56
614-397	35	7.9 x 2.6	SR59, SR726SW	.59	.56	.53

1.5V Alkaline

∗ Priced per package of 2

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Nominal Capacity (mAh)	Dimensions: mm	Replaces	Price Each		
				1	10	50
∗614-LR44	105	11.6 x 5.4	LL44, LR1154, V13GA	1.24	1.18	1.12
∗614-LR43BP	73	11.6 x 4.2	LR1142, 186, V12GA	1.24	1.18	1.12

1.55V Silver-Oxide

- High drain
- For watches, calculators, and cameras

MOUSER STOCK NO.	Nominal Capacity (mAh)	Dimensions: mm	Replaces	Price Each		
				1	10	50
614-350	105	11.6 x 3.6	SR42, SR1136	1.38	1.31	1.24
614-357-TS	190	11.6 x 5.4	SR44, SR1154, SR44W	1.03	.98	.93
614-361	24	7.9 x 2.1	SR721W, SR58, SR721	.59	.56	.53
614-365	40	11.6 x 1.6	SR1116W	1.03	.987	.928
614-370	38	9.5 x 2.1	SR69, SR920W	.59	.56	.53
614-376	30	6.8 x 2.6	SR66, SR626W	.65	.61	.58
614-386	130	11.6 x 4.2	SR43, SR1142, SR43W	.76	.72	.69
614-389	80	11.6 x 3.1	SR54, SR1130, SR1130W	.64	.61	.58
614-391	50	11.6 x 2.1	SR55, SR1121, SR1120W	.60	.57	.54
614-392	45	7.9 x 3.6	SR41, SR736, SR41W, D392	.47	.45	.42
614-393	80	7.9 x 5.4	SR48, SR754, SR754W	.68	.65	.62
614-396	32	7.9 x 2.6	SR59, SR726W	.63	.60	.57
614-399	57	9.5 x 2.6	SR57, SR927W	.64	.61	.58

renata ZINC-AIR HEARING INSTRUMENT BATTERIES

- The latest in zinc-air battery technology with top-of-the-line capacities
- User friendly packaging
- Comes in convenient wheel card (4 batteries per card)
- Device protection guarantee
- Expiration date printed on package

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Description	Replaces	Price Per Card			
			1	10	25	50
614-ZA10	1.4V 40 mAh	DA/AC230, 10AE, B20PA, S10A	3.38	3.15	3.00	2.85
614-ZA13	1.4V 255 mAh	DA/AC13, 13AE, B26PA, S13A	2.95	2.75	2.62	2.49
614-ZA312	1.4V 140 mAh	DA/AC312, 312AE, B347PA	2.95	2.75	2.62	2.49
614-ZA675	1.4V 600 mAh	DA/AC675, 675AE, B900PA	2.95	2.75	2.62	2.49

ENERGIZER PHOTO, COIN, ELECTRONIC BATTERIES

Energizer Lithium Photo Cell

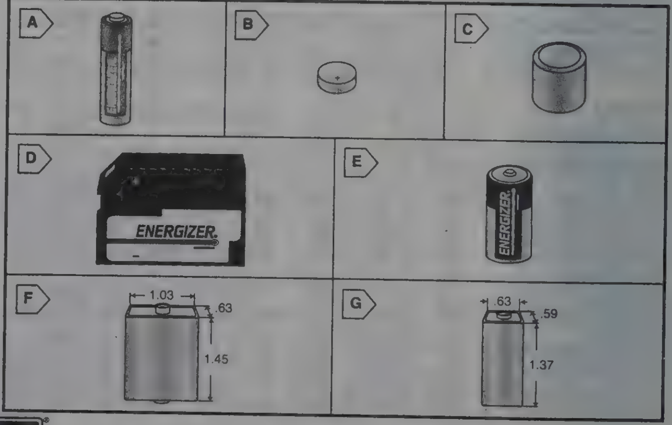
- High energy density, long life power source
- Good low/high temperature operations
- Shelf life: up to 10 yrs.

MOUSER STOCK NO.	Fig	Size	Volts	Capacity mAh	Batteries Per Pkg.	Price Per Package	
						1	6
525-L92BP-2	A	AAA	1.5	1250	2	6.64	5.98
525-L91BP-2	A	AA	1.5	2900	2	5.50	5.00

Electronic

- High energy density, long life power source
- Long storage life

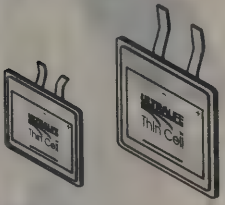
MOUSER STOCK NO.	Fig	Volts	Type	Std. Pkg. Quantity	Price Per Battery	
					1	Std. Pkg.
525-A76BP	B	1.5	Manganese Dioxide	6	.91	.85
525-357	B	1.5	Silver Oxide	6	1.56	1.41
525-EPX76BP	B	1.5	Silver Oxide	6	2.72	2.55
525-2L76BP	C	3	Lithium	6	3.76	3.52
525-539BP	D	6	Alkaline	6	3.21	3.00
525-A544BP	E	6	Manganese Dioxide	6	3.48	3.27
525-411	F	15	Carbon-Zinc	6	8.27	7.76
525-504	G	15	Carbon-Zinc	12	6.99	5.55

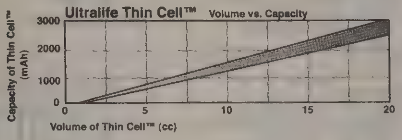


Lithium Batteries

ULTRALIFE® THIN CELL™ LITHIUM 3-VOLT BATTERIES

Ultralife Thin Cell lithium batteries are waferthin - as thin as 0.078 inch - providing a unique combination of high energy, long shelf life, wide operating temperature range, and light weight. With their ultra-thin prismatic form and a high ratio of active materials to packaging, Thin Cell batteries can efficiently fill virtually any battery cavity





Features:

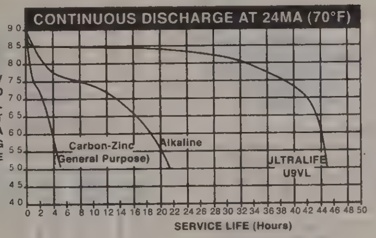
- Lithium-manganese dioxide chemistry
- Light weight
- Contains no mercury, cadmium, lead, or other toxic metals

For quantities of 48 and up, call for quote.

MOUSER STOCK NO.	Dimensions: in.			Max. Discharge	Weight (g)	Price Each		
	L	W	H			1	12	24
5169-U10004	1.75	0.20	2.15	250 mA	15	17.10	16.74	16.20
5169-U3VF-L-T	1.18	0.08	1.52	25 mA	3.5	10.50	9.90	9.30

ULTRALIFE® LITHIUM 9-VOLT BATTERIES

- Long shelf life - up to 10 years
- Environmentally responsible - contains no mercury, cadmium, or lead
- Ideal for medical equipment, instrumentation, security/alarm systems
- Rating: 1200 mAh
- Temperature range: -40°C to +60°C



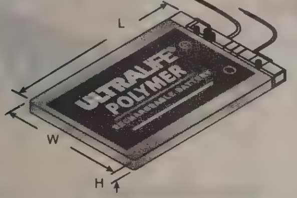
† Aluminum housing
*Packaged in lithium foil package

For quantities of 48 and up, call for quote.

MOUSER STOCK NO.	Dimensions: in.			Max. Discharge	Weight (g)	Price Each		
	L	W	H			1	12	24
*5169-U9VL-FP	1.02	0.67	1.92	120 mA	33.8	6.53	6.11	5.91
† 5169-U9VL-J	1.04	0.69	1.93	120 mA	36.4	7.41	6.83	6.40

ULTRALIFE® RECHARGEABLE LITHIUM POLYMER 3.7-VOLT BATTERIES

The Ultralife Polymer Rechargeable Battery System combines high-energy chemistry with state-of-the-art polymer technology. Every battery component is solid- there are no liquids that need to be contained by bulky, heavy cell housings. The result is a powerful, safer, thin and lightweight, rechargeable battery with a wide operating temperature range.

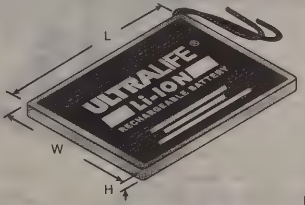


For quantities of 48 and up, call for quote.

MOUSER STOCK NO.	Dimensions: in.			Energy	Weight (g)	Price Each		
	L	W	H			1	12	24
5169-UBC001	2.99	1.38	0.19	3.40 Wh	22	25.57	23.53	22.03
5169-UBC005	1.24	0.71	0.23	1.00 Wh	6.5	8.92	8.47	8.16
5169-UBC006	1.22	0.83	0.22	0.67 Wh	4.5	7.64	7.26	6.99
5169-UBC008	1.22	0.83	0.15	0.44 Wh	3.0	7.24	6.88	6.62

ULTRALIFE® RECHARGEABLE LITHIUM 3.7-VOLT BATTERIES

Ultralife lithium-ion prismatic (rectangular) cells offer high energy density, high capacity, and long life in the most common, lightweight sizes. These cells, which operate over a wide temperature range, are ideal for many portable devices.



For quantities of 48 and up, call for quote.

MOUSER STOCK NO.	Dimensions: in.			Energy	Weight (g)	Price Each		
	L	W	H			1	12	24
5169-UBBP01	2.83	2.09	0.23	6.8 Wh	45.0	13.32	12.36	11.54
5169-UBP001	2.13	1.42	0.43	6.7 Wh	41.0	12.20	11.59	11.16
5169-UBP563450	2.13	1.42	0.24	3.4 Wh	24.0	8.72	8.28	7.98
5169-UBP543048	2.05	1.26	0.22	2.8 Wh	16.5	8.72	8.28	7.98
5169-UBP463048/PCM	2.05	1.26	0.20	2.2 Wh	14.5	8.56	8.13	7.83
5169-UBP363450	2.13	1.42	0.17	2.2 Wh	15.0	13.31	12.25	11.48

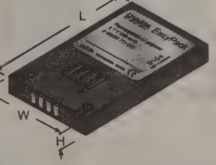
VARTA EASYPACK LITHIUM POLYMER BATTERIES

THE BATTERY EXPERTS

CE UL

Specifications:

- Two possible positions: large surface or 90° vertical positioning
- Mating application contacts
- Charging system
- Light, thin and powerful cell
- Gold plated battery contacts
- Proper fixation



For quantities of 50 and up, call for quote.

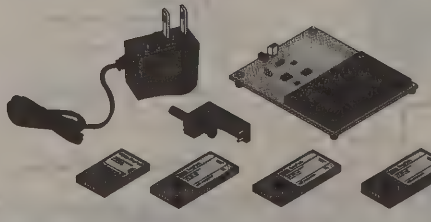
MOUSER STOCK NO.	Varta Part No.	Voltage	Capacity mAh	Dimensions: mm			Weight (g)	Price Each		
				L	W	H		1	10	25
672-66590-711-099	66590711099	3.7	550	43.5	35.4	5.8	14.0	14.50	13.29	12.68
672-66352-711-099	66352711099	3.7	750	64.5	36.6	5.2	20.0	13.41	12.36	11.58
672-66380-711-099	66380711099	3.7	1000	64.5	36.6	6.4	25.0	17.28	16.55	15.23
672-66380-712-099	66380712099	3.7	2000	64.5	36.6	11.4	46.5	31.96	30.21	28.78

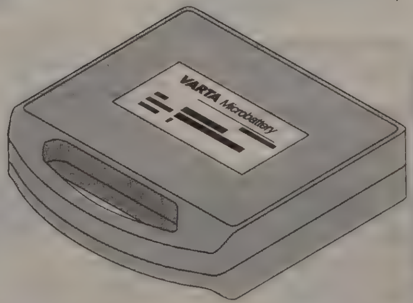
VARTA EASYPACK EVALUATION KIT

THE BATTERY EXPERTS

Specifications:

- Plug and play charging solution
- Linear controller- no interference to the application
- Charges all Varta EasyPacks
- Input 5V, 1A (Input cord included)
- Charging Current 500mA/1000mA
- Easy access to IC test pins and battery contacts
- Additional breadboard space to mount individual components
- Charger schematics included
- LED charge indicators
- Modular contact: 652-70AAJ-4-M0





For quantities of 2 and up, call for quote.

MOUSER STOCK NO.	Varta Part No.	Description	Price Each
672-68021-096-279	68021096279	Evaluation Kit- input cord, charger, and 550,750,1000,2000 mAh batteries	273.00

BOURNS Modular Contacts

Reliable Electronic Solutions

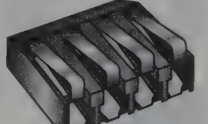
Bourns Modular Contacts can be used in cellular telephones, PDAs, laptop computers, portable medical and test equipment and anywhere a rechargeable battery pack is required. Bourns Modular Contacts provide a spring-loaded wiping contact connector for many other non-battery related applications.

Common Features:
- Types Available: Male and Female Contacts
- Function: Rechargeable battery packs, portable electronics and other contact application
- Sizes: 2.54mm, 4.0mm pitch and height

70AA / MALE

Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy

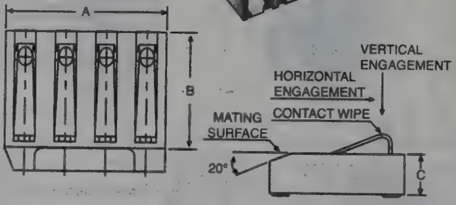
RoHS Compliant



Features:
- 2 to 6 precious metal contacts
- End-to-end stackable
- Pick and place compatible
- High cycle life

Electrical Specifications:
- Current rating: 3A/contact
- Voltage: 60V

Mechanical Specifications:
- Normal Force: 80 grams min.
- Durability: 10,000 cycles min.



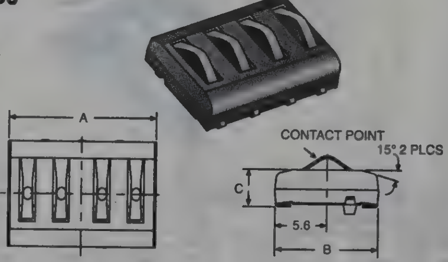
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions: mm			Price Each		
			A	B	C	1	10	50
652-70AAJ-2-M0	2	SMD	5.00	7.09	2.54	.88	.79	.70
652-70AAJ-3-M0	3	SMD	7.54	7.09	2.54	1.13	1.01	.90
652-70AAJ-4-M0	4	SMD	10.20	7.09	2.54	1.38	1.24	1.10
652-70AAJ-5-M0	5	SMD	12.62	7.09	2.54	1.75	1.58	1.40
652-70AAJ-6-M0	6	SMD	15.16	7.09	2.54	2.13	1.91	1.70

70AD / MALE - 70ADJ

Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy
- Meets MIL-STD-202, method 208

Features:
- Low profile
- Rugged design
- Vertical or horizontal entry



Electrical Specifications:
- Current rating: DC 3A/contact
- Voltage: DC 30V

Mechanical Specifications:
- Normal Force: 100 grams min.
- Durability: 5,000 cycles

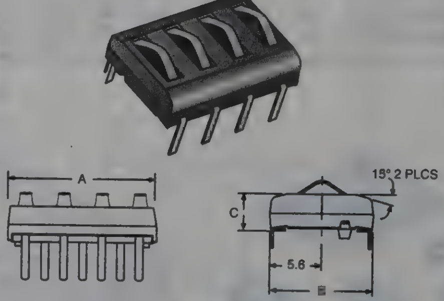
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions: mm			Price Each		
			A	B	C	1	10	50
652-70ADJ-2-ML0	2	SMD	7.7	11.2	4.0	1.30	1.01	.75
652-70ADJ-2-ML1	2	SMD	7.7	11.2	4.0	2.08	1.82	1.56
652-70ADJ-3-ML0	3	SMD	11.7	11.2	4.0	1.63	1.30	.94
652-70ADJ-4-ML0	4	SMD	15.7	11.2	4.0	2.03	1.62	1.17
652-70ADJ-4-ML1	4	SMD	15.7	11.2	4.0	3.24	2.84	2.43
652-70ADJ-5-ML0	5	SMD	19.7	11.2	4.0	2.45	1.96	1.42
652-70ADJ-5-ML1	5	SMD	19.7	11.2	4.0	3.92	3.43	2.94
652-70ADJ-6-ML0	6	SMD	23.7	11.2	4.0	2.85	2.28	1.65
652-70ADJ-6-ML1	6	SMD	23.7	11.2	4.0	2.85	2.28	1.65

70AD / MALE - 70ADH

Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy
- Meets MIL-STD-202, method 208

Features:
- Low profile
- Rugged design
- Vertical or horizontal entry



Electrical Specifications:
- Current rating: DC 3A/contact
- Voltage: DC 30V

Mechanical Specifications:
- Normal Force: 100 grams min
- Durability: 5,000 cycles

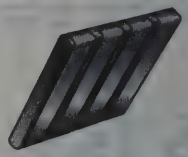
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions: mm			Price Each		
			A	B	C	1	10	50
652-70ADH-2-ML0	2	PC pin	7.7	11.2	4.0	1.30	1.04	.75
652-70ADH-3-ML0	3	PC pin	11.7	11.2	4.0	1.63	1.30	.94
652-70ADH-4-ML0	4	PC pin	15.7	11.2	4.0	2.03	1.62	1.17
652-70ADH-5-ML0	5	PC pin	19.7	11.2	4.0	2.03	1.62	1.17
652-70ADH-6-ML0	6	PC pin	23.7	11.2	4.0	2.85	2.28	1.65

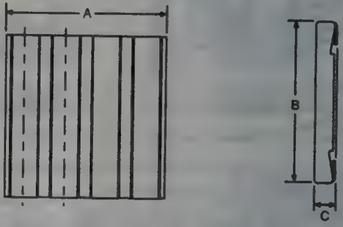
70AA / FEMALE

Features:
- 2 to 6 precious metal contacts
- End-to-end stackable
- Pick and place compatible
- High cycle life

RoHS Compliant



Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy



Electrical Specifications:
- Current rating: 3A/contact
- Voltage: 60V

Mechanical Specifications:
- Durability: 10,000 cycles min.

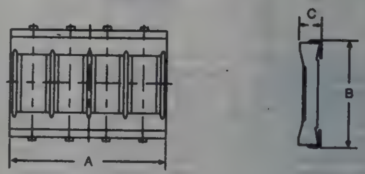
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions: mm			Price Each		
			A	B	C	1	10	50
652-70AAJ-2-F0	2	SMD	4.98	10.00	1.27	.50	.45	.40
652-70AAJ-3-F0	3	SMD	7.52	10.00	1.27	.75	.68	.60
652-70AAJ-4-F0	4	SMD	10.06	10.00	1.27	.90	.81	.72
652-70AAJ-6-F0	6	SMD	15.14	10.00	1.27	1.18	1.06	.94
652-70AAJ-6-F1	6	SMD	15.14	10.00	1.27	1.18	1.06	.94

70AD / FEMALE - 70ADJ

Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy
- Meets MIL-STD-202, method 208

Features:
- Rechargeable battery-pack applications
- Precious metal contacts



Electrical Specifications:
- Current rating: DC 3A/contact
- Voltage: DC 30V

Mechanical Specifications:
- Durability: 5,000 cycles

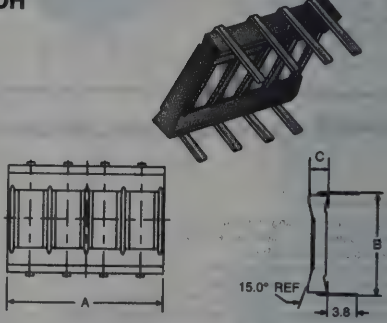
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions: mm			Price Each		
			A	B	C	1	10	50
652-70ADJ-2-FL0	2	SMD	9.0	11.6	2.3	1.23	.98	.71
652-70ADJ-2-FL1	2	SMD	9.0	11.6	2.3	1.96	1.72	1.47
652-70ADJ-3-FL0	3	SMD	13.0	11.6	2.3	1.45	1.16	.84
652-70ADJ-4-FL0	4	SMD	17.0	11.6	2.3	1.83	1.46	1.06
652-70ADJ-5-FL1	5	SMD	21.0	11.6	2.3	3.48	3.05	2.61
652-70ADJ-6-FL1	6	SMD	25.0	11.6	2.3	4.08	3.57	3.06

70AD / FEMALE - 70ADH

Material:
- Insulator: Glass reinforced thermoplastic, UL 94V-0 rated, black
- Contact: Copper alloy
- Meets MIL-STD-202, method 208

Features:
- Rechargeable battery-pack applications
- Precious metal contacts



Electrical Specifications:
- Current rating: DC 3A/contact
- Voltage: DC 30V

Mechanical Specifications:
- Durability: 5,000 cycles

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	No. of Contacts	Mounting Type	Dimensions: mm			Price Each		
			A	B	C	1	10	50
652-70ADH-2-FL0	2	PC pin	9.0	11.6	2.08	1.23	.98	.71
652-70ADH-3-FL0	3	PC pin	13.0	11.6	2.08	1.45	1.16	.84
652-70ADH-4-FL0	4	PC pin	17.0	11.6	2.08	1.83	1.46	1.06
652-70ADH-5-FL0	5	PC pin	21.0	11.6	2.08	2.18	1.74	1.26
652-70ADH-6-FL0	6	PC pin	25.0	11.6	2.08	2.55	2.04	1.48

RoHS Compliant This page of product is compliant.

BULGIN FRONT PANEL SEALED BATTERY HOLDERS

Features:
- IP 67 Rated
- Color: Black
- Panel Mount with Solder Tabs

RoHS Compliant

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Battery Size	Price Each			
				1	25	50	100
122-BXS011/1	A	1	AA	6.54	6.01	5.34	4.46
122-BXS012/1	A	2	AA	7.16	6.57	5.84	4.88
122-BXS013/1	A	3	AA	7.98	7.32	6.50	5.44
122-BXS001/1	B	1	C	7.77	7.13	6.34	5.30
122-BXS002/1	B	2	C	9.00	8.26	7.34	6.13
122-BXS003/1	B	3	C	10.22	9.39	8.34	6.97
122-BXS016	C	1	D	9.07	8.33	7.41	6.19
122-BXS017	C	2	D	15.33	14.08	12.51	10.45
122-BXS018	C	3	D	17.18	15.77	14.02	11.71

BULGIN STANDARD BATTERY HOLDERS

RoHS Compliant

"AA" Size

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each			
					1	25	50	100
122-BX0011/1	D	1	Black	Panel mount-solder tabs	5.36	4.92	4.37	3.65
122-BX0012/1	D	2	Black	Panel mount-solder tabs	6.13	5.63	5.01	4.18
122-BX0013/1	D	3	Black	Panel mount-solder tabs	6.58	6.05	5.37	4.49
122-BX0027	E	4	Black	Panel mount drawer function	10.88	9.99	8.88	7.41

RoHS Compliant

"C" Size

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each			
					1	25	50	100
122-BX0001/1	F	1	Black	Panel mount-solder tabs	7.16	6.58	5.85	4.88
122-BX0002/1	F	2	Black	Panel mount-solder tabs	9.49	8.71	7.74	6.47
122-BX0003/1	F	3	Black	Panel mount-solder tabs	11.00	10.10	8.98	7.50

RoHS Compliant

"D" Size

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each			
					1	25	50	100
122-BX0016	G	1	Black	Panel mount-solder tabs	7.03	6.46	5.74	4.79
122-BX0017	G	2	Black	Panel mount-solder tabs	12.27	11.27	10.01	8.36
122-BX0018	G	3	Black	Panel mount-solder tabs	15.82	14.53	12.92	10.79

RoHS Compliant

"9V" Size

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each			
					1	25	50	100
122-BX0023	H	1	Black	Panel mount drawer function	4.01	3.68	3.27	2.73
122-BX0026	I	2	Black	Panel mount drawer function	8.14	7.47	6.64	5.55

BULGIN PC/BASE MOUNT BATTERY HOLDERS

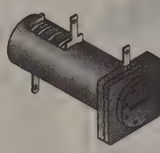
RoHS Compliant

Features:
- Terminations: Dual connections, P.C. spills & 2.8 series tabs/solder tags. (P.C. spills may be removed if required)
- Operating Temperature: –30°C to +70°C
- Mouldings: Glass Filled Nylon
- Contacts: Nickel Silver, clean
- Interlocking for multiple assemblies, except for model 122-BX0033

For quantities 250 and up, call for quote.

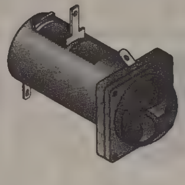
MOUSER STOCK NO.	Fig.	Battery Size	Price Each			
			1	25	50	100
122-BX0033	J	PP3	1.64	1.50	1.34	1.11
122-BX0034	K	AAA	1.76	1.61	1.44	1.20
122-BX0035	L	AA	1.76	1.61	1.44	1.20
122-BX0036	M	C	2.25	2.07	1.84	1.53
122-BX0037	N	D	2.45	2.25	2.00	1.67

A

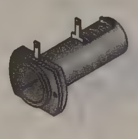


B

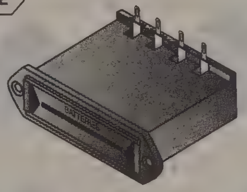
C



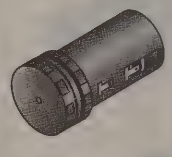
D



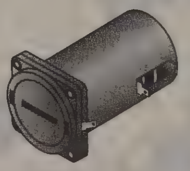
E



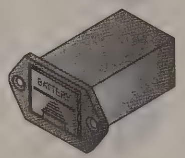
F



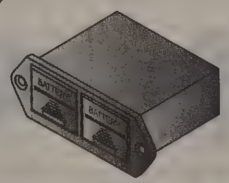
G



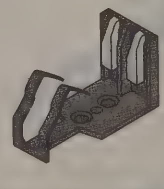
H



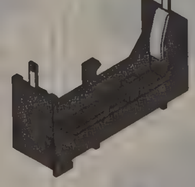
I



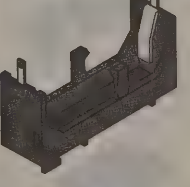
J



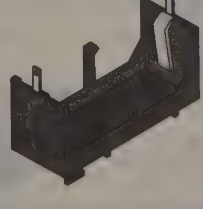
K



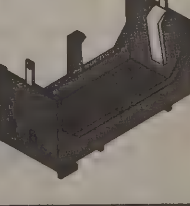
L



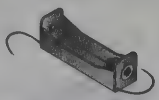
M

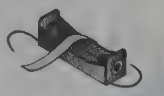


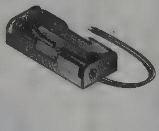
N

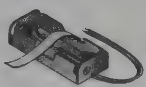


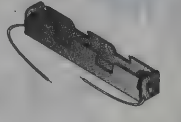
EAGLE PLASTIC DEVICES Battery Holders

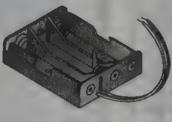
A


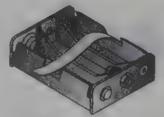
B


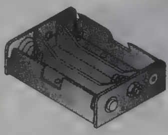
C


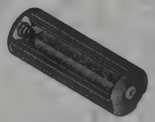
D


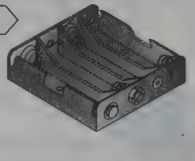
E


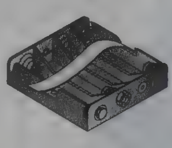
F


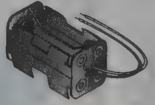
G


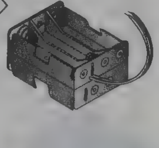
H


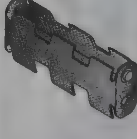
I


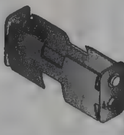
J


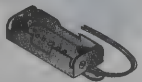
K


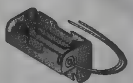
L


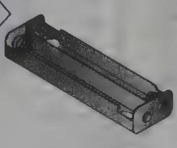
M


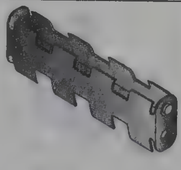
N


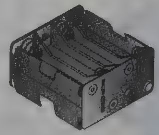
O


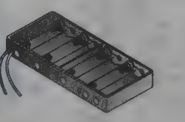
P


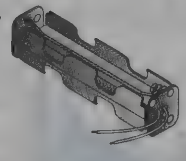
Q


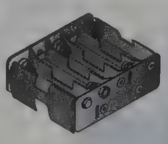
R


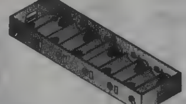
S


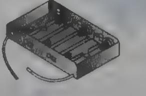
T


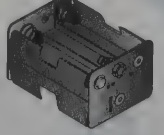
U


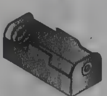
V


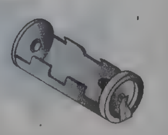
W


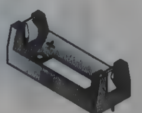
X


Y


Z


AA


BB


CC


Battery holders are constructed using an "unbreakable" type plastic. Nickel-plated hardware provides excellent corrosion resistance from battery acid.

"AAA" SIZE BATTERY HOLDERS

RoHS Compliant

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each			
					1	10	50	100
12BH410-GR	A	1	Black	6" leads-tinned 3/16"	.65	.49	.43	.38
12BH410-R-GR	B	1	Black	6" leads with ribbon	.75	.58	.45	.41
12BH411P-R-GR	B	1	Black	PC legs with ribbon	.75	.58	.45	.41
12BH412-GR	A	1	Black	PC mount-solder legs	.65	.49	.43	.38
122-0421-GR	C	2	Black	6" leads-tinned 3/16"	.69	.65	.58	.51
122-0421-R-GR	D	2	Black	6" leads with ribbon	.72	.67	.59	.52
12BH423-GR	C	2	Black	PC mount-solder legs	.69	.65	.58	.51
12BH423P-R-GR	D	2	Black	PC legs with ribbon	.72	.67	.59	.52
12BH425-GR	E	2	Black	6" leads-tinned 3/16"	.49	.42	.33	.29
12BH425D-GR	E	2	Black	Solder Tabs	.69	.65	.58	.51
12BH425P-GR	E	2	Black	PC Mount-Solder Legs	.69	.65	.58	.51
12BH431-GR	F	3	Black	6" leads-tinned 3/16"	.89	.85	.72	.49
12BH431P-GR	F	3	Black	PC mount-solder legs	.89	.85	.72	.49
12BH431P-R-GR	G	3	Black	PC legs with ribbon	.99	.94	.75	.55
12BH431B-GR	H	3	Black	Mini snaps spaced .50"	.89	.85	.72	.49
12BH431D-GR	H	3	Black	Solder tabs	.89	.85	.72	.49
12BH432A-GR	I	3	Black	Battery Buttons	.99	.94	.89	.75
12BH441P-GR	J	4	Black	PC mount-solder legs	.99	.94	.76	.53
12BH441P-R-GR	K	4	Black	PC legs with ribbon	1.04	.99	.81	.59
12BH441A-GR	J	4	Black	6" leads-tinned 3/16"	.99	.94	.76	.53
12BH441B-GR	J	4	Black	Mini snaps spaced .50"	.99	.94	.76	.53
12BH441D-GR	J	4	Black	Solder tabs	.99	.94	.76	.53
12BH444-GR	L	4	Black	6" leads-tinned 3/16"	.67	.62	.51	.43
12BH463-GR	M	6	Black	6" leads-tinned 3/16"	1.39	1.22	1.05	.83
12BH483-GR	S	8	Black	6" leads-tinned 3/16"	1.49	1.35	1.15	1.02

"AA" SIZE BATTERY HOLDERS

RoHS Compliant

12BH311A-GR	A	1	Black	6" leads-tinned 3/16"	.69	.62	.56	.34
12BH311A-R-GR	B	1	Black	Solder tabs with ribbon	.75	.67	.63	.41
12BH311P-GR	A	1	Black	PC mount-solder legs	.69	.62	.56	.34
12BH311P-R-GR	B	1	Black	PC legs with ribbon	.75	.67	.63	.41
12BH311-GR	A	1	Black	Solder tabs	.69	.62	.56	.34
12BH311-R-GR	B	1	Black	Solder tabs with ribbon	.75	.67	.63	.41
12BH222-GR	O	2	Black	6" leads-tinned 3/16"	.75	.67	.63	.41
12BH322B-GR	O	2	Black	Mini snaps spaced .50"	.75	.67	.63	.41
12BH321A-GR	C	2	Black	6" leads-tinned 3/16"	.75	.67	.63	.41
12BH321P-GR	C	2	Black	PC mount-solder legs	.75	.67	.63	.41
12BH321P-R-GR	D	2	Black	PC legs with ribbon	.83	.76	.64	.45
12BH321B-GR	C	2	Black	Mini snaps spaced .50"	.75	.67	.63	.41
12BH321D-GR	C	2	Black	Solder tabs	.75	.67	.63	.41
12BH324A-GR	P	2	Black	6" leads-tinned 3/16"	.75	.67	.63	.41
12BH331-GR	H	3	Black	6" leads-tinned 3/16"	.99	.88	.75	.56
12BH331-R-GR	G	3	Black	6" leads with ribbon	1.08	.93	.82	.62
12BH331P-GR	H	3	Black	PC mount-solder legs	.99	.88	.75	.56
12BH331P-R-GR	G	3	Black	PC legs with ribbon	1.08	.93	.82	.62
12BH331B-GR	H	3	Black	Mini snaps spaced .50"	.99	.88	.75	.56
12BH331D-GR	H	3	Black	Solder tabs	.99	.88	.75	.56
12BH335-GR	Q	3	Black	6" leads-tinned 3/16"	.99	.88	.75	.56
12BH343-GR	R	4	Black	6" leads-tinned 3/16"	1.11	.97	.84	.58
12BH348-GR	J	4	Black	6" leads-tinned 3/16"	1.11	.97	.84	.58
12BH348-R-GR	K	4	Black	6" leads with ribbon	1.14	.99	.87	.61
12BH349-GR	J	4	Black	PC mount-solder legs	1.11	.97	.84	.58
12BH341P-R-GR	K	4	Black	PC legs with ribbon	1.14	.99	.87	.61
12BH351-GR	J	4	Black	Solder tabs	1.11	.97	.84	.58
12BH351-R-GR	K	4	Black	Solder tabs with ribbon	1.14	.99	.87	.61
12BH347-GR	J	4	Black	Mini snaps spaced .50"	1.11	.97	.84	.58
12BH347-R-GR	K	4	Black	Mini snaps with ribbon	1.14	.99	.87	.61
12BH341-GR	N	4	Black	Mini snaps spaced .50"	.84	.71	.56	.52
12BH350-GR	L	4	Black	6" leads-tinned 3/16"	1.11	.97	.84	.58
12BH343B-GR	L	4	Black	Mini snaps spaced .50"	1.11	.97	.84	.58
12BH344B-GR	R	4	Black	Mini snaps spaced .50"	1.11	.97	.84	.58
12BH344D-GR	R	4	Black	Solder tabs	1.11	.97	.84	.58
12BH361-GR	Z	6	Black	Mini snaps spaced .50"	1.11	.93	.89	.85
12BH364-GR	Y	6	Black	6" leads-tinned 3/16"	1.14	.96	.83	.77
12BH326-GR	R	6	Black	6" leads-tinned 3/16"	1.11	.93	.81	.72
12BH365-GR	S	6	Black	Mini snaps spaced .50"	1.14	.96	.83	.77
12BH381-GR	T	8	Black	Mini snaps spaced .50"	1.38	1.19	1.10	1.05
12BH383-GR	T	8	Black	6" leads-tinned 3/16"	1.38	1.19	1.10	1.05
12BH381A-GR	U	8	Black	6" leads-tinned 3/16"	1.47	1.25	1.07	.98
12BH382A-GR	V	8	Black	6" leads-tinned 3/16"	1.11	.93	.81	.72
12BH382B-GR	V	8	Black	Mini snaps spaced .50"	1.11	.93	.81	.72
12BH310-GR	W	10	Black	Mini snaps spaced .50"	1.65	1.50	1.28	1.21
12BH310A-GR	W	10	Black	6" leads-tinned 3/16"	1.65	1.50	1.28	1.21
12BH309-GR	X	10	Black	Solder tabs	2.35	1.95	1.68	1.49

"1/2 AA" SIZE BATTERY HOLDERS

RoHS Compliant

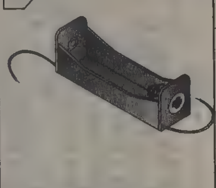
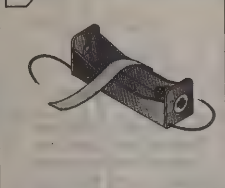
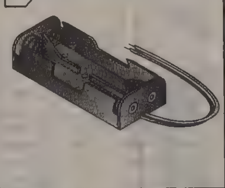
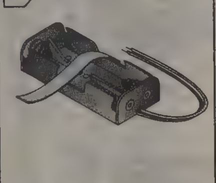
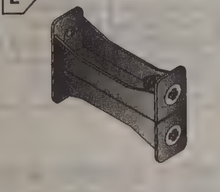
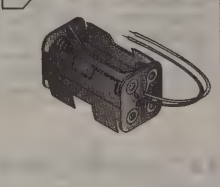
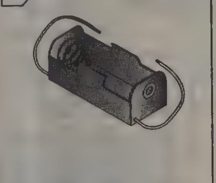
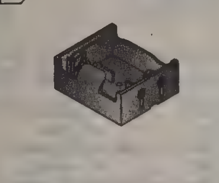
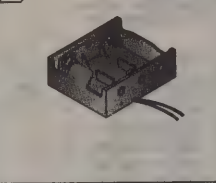
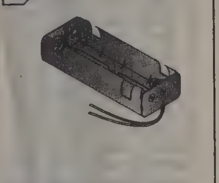
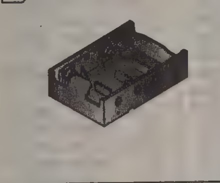
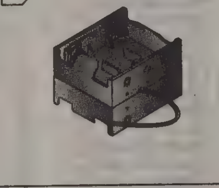
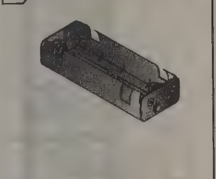
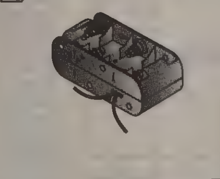
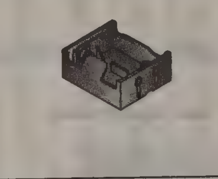
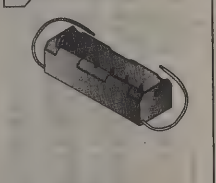
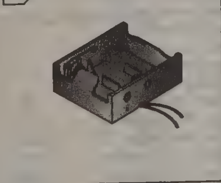
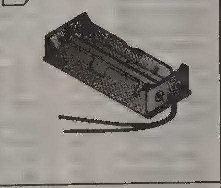
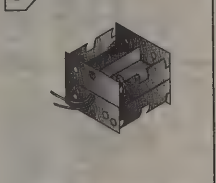
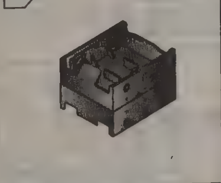
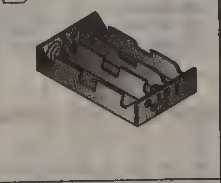
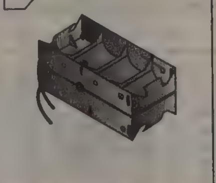
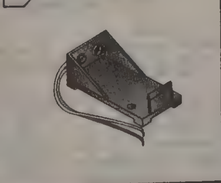
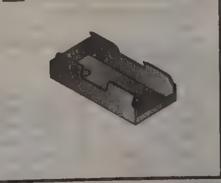
12BH1/2AA-2A-GR	AA	1	Black	6" Leads-Tinned 3/16"	.75	.69	.61	.50
12BH1/2AA-2P-GR	AA	1	Black	PC Mount-Solder Legs	.75	.69	.61	.50
12BH1/2AA-3S-GR	BB	1	Black	Rivets w/Switch	.75	.69	.61	.50

"2/3 A" SIZE BATTERY HOLDERS

RoHS Compliant

12BH023-GR	CC	1	Black	PC mount-solder legs	.60	.54	.46	.41

EAGLE PLASTIC DEVICES Battery Holders

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X


"N" SIZE BATTERY HOLDERS

RoHS Compliant

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each			
					1	10	50	100
12BH510-GR	A	1	Black	6" leads-tinned 3/16"	.68	.64	.61	.48
12BH511-GR	A	1	Black	Solder Tabs	.58	.39	.35	.32
12BH512-GR	A	1	Black	PC Mount-Solder Legs	.58	.39	.35	.32
12BH511P-GR	A	1	Black	PC mount-solder legs	.68	.64	.61	.48
12BH511-1A-GR	A	1	Black	6" Leads-Tinned 3/16"	.68	.64	.61	.48
12BH511-1D-GR	A	1	Black	Solder Tabs	.68	.64	.61	.48
12BH511P-R-GR	B	1	Black	PC legs with ribbon	.75	.67	.63	.51
12BH521A-GR	C	2	Black	6" leads-tinned 3/16"	.68	.64	.61	.48
12BH521D-GR	C	2	Black	Solder Tabs	.68	.64	.61	.48
12BH521P-GR	C	2	Black	PC mount-solder legs	.68	.64	.61	.48
12BH521P-R-GR	D	2	Black	PC legs with ribbon	.79	.72	.67	.47
12BH522A-GR	E	2	Black	6" Leads-Tinned 3/16"	.95	.89	.83	.71
12BH522D-GR	E	2	Black	Solder Tabs	.95	.89	.83	.71
12BH543A-GR	F	4	Black	6" Leads-Tinned 3/16"	1.04	.97	.90	.79
12BH543D-GR	F	4	Black	Solder Tabs	1.04	.97	.90	.79

"C" SIZE BATTERY HOLDERS

RoHS Compliant

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each			
					1	10	50	100
12BH211-GR	G	1	Black	6" leads-tinned 3/16"	.69	.55	.44	.39
12BH220-GR	H	2	Black	6" leads-tinned 3/16"	1.05	.96	.84	.59
12BH221D-GR	H	2	Black	Solder tabs	1.05	.96	.84	.59
12BH231-GR	I	3	Black	6" leads-tinned 3/16"	1.19	1.05	.92	.84
12BH242-GR	J	4	Black	6" leads-tinned 3/16"	1.05	.89	.82	.74
12BH242A-GR	J	4	Black	8" 22AWG leads	1.33	1.19	1.09	.88
12BH243-GR	K	4	Black	6" leads-tinned 3/16"	1.15	.99	.91	.81
12BH262-GR	L	6	Black	6" leads-tinned 3/16"	2.25	1.89	1.75	1.55
12BH261-GR	M	6	Black	Mini snaps spaced .50"	1.69	1.51	1.35	1.23
12BH261A-GR	M	6	Black	8" 22AWG leads	1.69	1.51	1.35	1.23
12BH263-GR	M	6	Black	6" leads-tinned 3/16"	1.69	1.51	1.35	1.23
12BH281-GR	N	8	Black	6" leads-tinned 3/16"	2.25	1.89	1.75	1.55

"D" SIZE BATTERY HOLDERS

RoHS Compliant

MOUSER STOCK NO.	Fig.	No. of Cells	Color	Description	Price Each			
					1	10	50	100
12BH111A-GR	G	1	Black	6" leads-tinned 3/16"	.72	.54	.49	.43
12BH111D-GR	G	1	Black	Solder tabs	.72	.54	.49	.43
12BH121-GR	O	2	Black	Solder tabs	1.19	.99	.93	.84
12BH121A-GR	O	2	Black	8" 24AWG leads	1.31	1.07	.99	.91
12BH125-GR	P	2	Black	6" leads-tinned 3/16"	.77	.61	.56	.49
12BH131-GR	Q	3	Black	6" leads-tinned 3/16"	1.44	1.11	1.02	.93
12BH146-GR	R	4	Black	6" leads-tinned 3/16"	1.31	1.07	.99	.91
12BH142A-GR	R	4	Black	8" 22AWG leads	1.31	1.07	.99	.91
12BH144A-GR	S	4	Black	6" leads-tinned 3/16"	1.89	1.73	1.63	1.35
12BH160-GR	T	6	Black	6" leads-tinned 3/16"	2.79	2.55	2.37	1.99
12BH162A-GR	M	6	Black	6" leads-tinned 3/16"	1.69	1.45	1.39	1.19
12BH162B-GR	M	6	Black	Mini snaps spaced .50"	1.69	1.45	1.39	1.19
12BH163-GR	U	6	Black	Mini snaps space .50"	2.79	2.55	2.37	1.99
12BH181-GR	V	8	Black	6" leads-tinned 3/16"	2.99	2.75	2.47	2.19

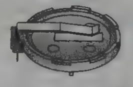
"9V" SIZE BATTERY HOLDERS

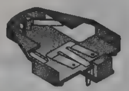
- Number of Cells: 1
- Color: Black

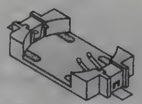
RoHS Compliant

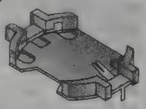
MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	50	100
12BH610-GR	W	6" leads-tinned 3/16"	1.05	.94	.88	.79
12BH611-GR	W	PC mount-solder legs	1.05	.94	.88	.79
12BH612-GR	W	Solder tabs	1.05	.94	.88	.79
12BH613-GR	X	No leads cradle only	1.05	.94	.88	.79

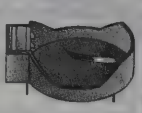
EAGLE PLASTIC DEVICES Battery Holders and Snaps

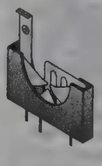
A


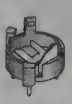
B


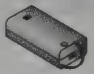
C


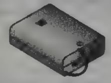
D


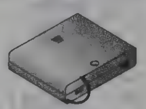
E


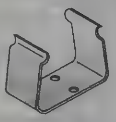
F


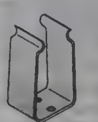
G


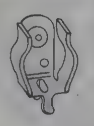
H


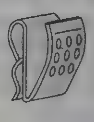
I


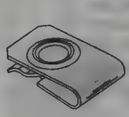
J


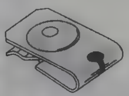
K


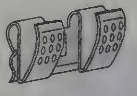
L


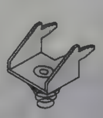
M


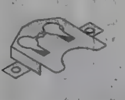
N


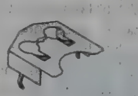
O


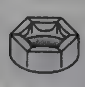
P


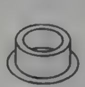
Q


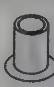
R


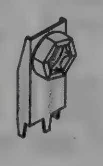
S


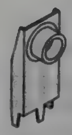
T


U


V


W


X


Y


COIN CELL BATTERY HOLDERS

RoHS Compliant

MOUSER STOCK NO.	Fig.	Size	Description	Price Each			
				1	10	50	100
122-2520-GR	A	20mm	Thru-hole black single cell	.91	.76	.61	.50
122-2523-GR	A	23mm	Thru-hole black single cell	.91	.76	.61	.50
122-2620-GR	B	20mm	Thru-hole black single cell	.91	.76	.61	.50
122-2820-GR	C	20mm	Surface mount beige	.83	.69	.57	.50
122-0420-GR	D	20mm	Surface Mount Black	1.16	1.05	.92	.79
122-0520-GR	D	20mm	Thru-hole black single cell	.94	.88	.83	.74
122-2420-GR	E	20mm	Thru-hole black single cell	.91	.76	.61	.50
122-4320-GR	F	20mm	Vertical Thru-hole black single cell	1.16	1.05	.92	.79
122-1020-GR	C	20mm	Surface Mount Gold Contacts	.91	.76	.61	.50
122-2312-GR	G	12mm	Thru-hole black single cell	.99	.89	.82	.66
122-2313-GR	G	12mm	Thru-hole black dual cell	.99	.89	.82	.66

BATTERY HOLDERS WITH COVERS AND SWITCH

- Color: Black
- Nickel plated hardware
- 6" leads tinned 3/16"

RoHS Compliant

MOUSER STOCK NO.	Fig.	No. of Cells	Size	Description	Price Each			
					1	10	50	100
12BH9V/CS-GR	H	1	9V	with cover & switch	.98	.75	.68	.61
12BH325/C-GR	H	2	AA	with cover	.82	.74	.65	.44
12BH325/CS-GR	H	2	AA	with cover & switch	.87	.75	.66	.55
12BH331/C-GR	I	3	AA	with cover	.99	.88	.75	.56
12BH331/CS-GR	I	3	AA	with cover & switch	1.08	.93	.82	.62
12BH348/C-GR	J	4	AA	with cover	.99	.91	.83	.61
12BH348/CS-GR	J	4	AA	with cover & switch	1.05	.97	.87	.75
12BH421/C-GR	H	2	AAA	with cover	.60	.57	.45	.39
12BH421/CS-GR	H	2	AAA	with cover & switch	.66	.63	.49	.43
12BH431/C-GR	I	3	AAA	with cover	.82	.74	.56	.47
12BH431/CS-GR	I	3	AAA	with cover & switch	.89	.85	.72	.49
12BH441/C-GR	J	4	AAA	with cover	.93	.87	.71	.59
12BH441/CS-GR	J	4	AAA	with cover & switch	1.03	.97	.81	.71
12SBH221A-GR	I	2	C	with cover	1.83	1.73	1.59	1.42
12SBH221AS-GR	I	2	C	with cover & switch	2.09	1.99	1.75	1.58
12SBH231A-GR	J	3	C	with cover	2.55	2.19	1.91	1.74
12SBH231B-GR	J	3	C	with cover	2.55	2.19	1.91	1.74
12SBH231D-GR	J	3	C	with cover	2.55	2.19	1.91	1.74

METAL BATTERY HOLDERS / CLIPS

Steel, Nickel Plated

RoHS Compliant

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	10	50	100
12BH071-GR	K	9V battery holder horizontal	.27	.21	.18	.16
12BH079-GR	K	9V battery holder horizontal	.27	.21	.18	.16
12BH080-GR	L	9V battery holder vertical	.30	.25	.20	.18
12BH095-GR	L	9V battery holder vertical	.30	.25	.20	.18
12BH980-GR	L	9V battery holder vertical	.30	.25	.20	.18
12BH092-GR	M	A, AA battery clip	.17	.13	.12	.10
12BH082-GR	M	AAA battery clip PC mount	.17	.13	.12	.10
12BH209-GR	N	AA battery clip negative	.16	.11	.08	.06
12BH228-GR	O	AA battery clip positive	.16	.11	.08	.06
12BH204-GR	N	AAA battery clip negative	.17	.14	.10	.08
12BH238-GR	P	AAA battery clip positive	.17	.14	.10	.08
12BH210-GR	Q	AA dual snap-on clip	.27	.19	.15	.11
12BH202-GR	Q	AAA dual snap-on clip	.27	.19	.15	.11
12BH629-GR	R	AA,AAA PC spring contact	.30	.21	.18	.16
12BH002-GR	S	20MM coin cell holder SM	.30	.21	.18	.16
12BH003-GR	T	20MM coin cell holder PC	.30	.21	.18	.16

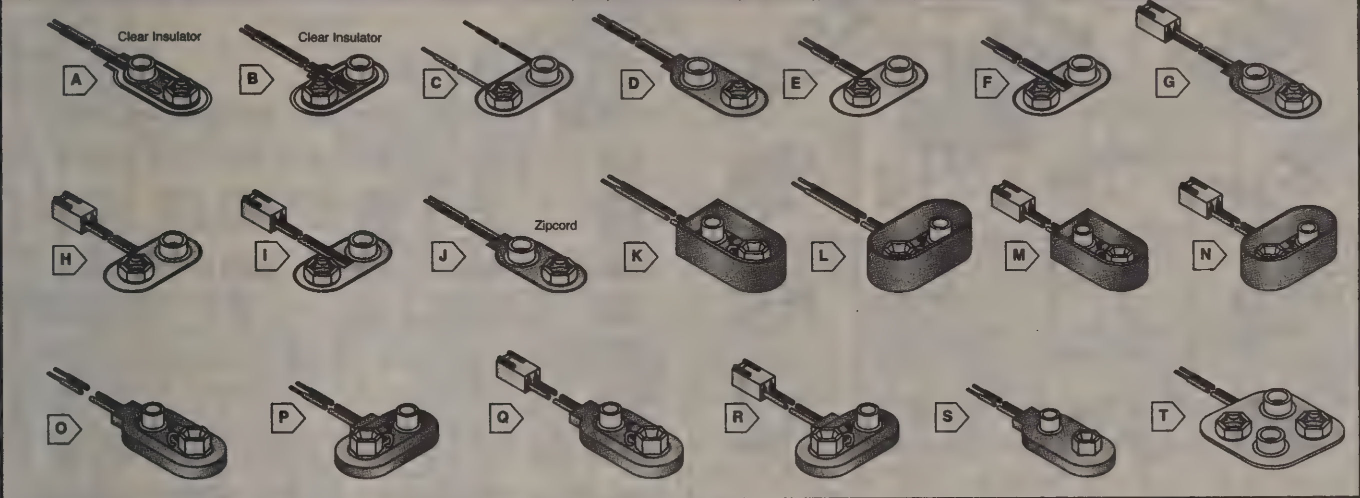
MINI BATTERY SNAPS AND RIVETS

- Standard 9 volt size (.5" snap spacing)
- Available with 4, 5, or 6 prong contacts
- Black (except where noted)
- Available in 22AWG, 24AWG, & 26AWG stranded lead wires
- Male snap: .225" (O.D.)
- Female snap: .205" (I.D.)
- Rivets can be applied to PC boards, battery holders/packs, etc.

MOUSER STOCK NO.	Fig.	Description	Price Each			
			1	100	1,000	10,000
12BC269-GR	U	Mini battery female snap	.04	.04	.03	.03
12BC261-GR	V	Mini battery male snap	.04	.04	.03	.03
48BC001	W	Mini rivet for snap	.03	.024	.022	.02
12BC220-GR	X	Female snap-in battery terminal	.21	.18	.15	.14
12BC210-GR	Y	Male snap-in battery terminal	.21	.18	.15	.14

EAGLE PLASTIC DEVICES 9V Battery Snaps

Largest selection of battery snaps available. All leads are stripped and pre-tinned. Leads are polarity color coded. All except "molded" type, feature PVC plastic insulation over a base of vulcanized fiber board.



STANDARD BATTERY SNAPS

Snaps

- 6 prong contacts

RoHS Compliant

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Price Each			
				1	10	100	500
12BC310-GR	A	26AWG	4	.33	.24	.19	.17
12BC309-GR	A	26AWG	6	.39	.28	.25	.23
12BC311-GR	B	26AWG	4	.39	.28	.25	.23
123-BS-M-A-GR	C	26AWG	6	.35	.30	.28	.25
121-0426/I-GR	D	26AWG	4	.29	.21	.15	.14
121-0526/I-GR	D	26AWG	5	.29	.21	.15	.14
121-0626/I-GR	D	26AWG	6	.29	.21	.15	.14
121-0826/I-GR	D	26AWG	8	.32	.24	.18	.15
121-1026/I-GR	D	26AWG	10	.32	.24	.18	.15
121-1226/I-GR	D	26AWG	12	.32	.24	.18	.15
121-0424/I-GR	D	24AWG	4	.32	.24	.18	.15
121-0624/I-GR	D	24AWG	6	.32	.24	.18	.15
121-0422/I-GR	D	22AWG	4	.32	.24	.18	.15
121-0622/I-GR	D	22AWG	6	.32	.24	.18	.15
121-1022/I-GR	D	22AWG	10	.38	.28	.22	.19
121-0426/T-GR	E	26AWG	4	.30	.22	.16	.14
121-0526/T-GR	E	26AWG	5	.30	.22	.16	.14
121-0626/T-GR	E	26AWG	6	.30	.22	.16	.14
121-0826/T-GR	E	26AWG	8	.30	.22	.16	.14
121-1026/T-GR	E	26AWG	10	.33	.25	.19	.16
121-0426/O-GR	F	26AWG	4	.33	.25	.19	.16
121-0626/O-GR	F	26AWG	6	.33	.25	.19	.16
121-0424/O-GR	F	24AWG	4	.33	.25	.19	.16
121-0624/O-GR	F	24AWG	6	.33	.25	.19	.16
121-0422/O-GR	F	22AWG	4	.39	.29	.23	.20
121-0622/O-GR	F	22AWG	6	.39	.29	.23	.20

Snaps With 2 Pole Socket Wire Termination

- Mates with Molex P/N 22-11-2022
- 6 prong contacts

RoHS Compliant

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Price Each			
				1	10	100	500
121-0426/IM-GR	G	26AWG	4	.36	.31	.29	.26
121-0626/IM-GR	G	26AWG	6	.36	.31	.29	.26
121-0426/TM-GR	H	26AWG	4	.38	.32	.30	.27
121-0626/TM-GR	H	26AWG	6	.38	.32	.30	.27
121-0426/OM-GR	I	26AWG	4	.39	.33	.31	.28
121-0626/OM-GR	I	26AWG	6	.39	.33	.31	.28

Snaps With Zipcord Leads

- Zipcord lead colors: black & white
- 4 prong contacts

RoHS Compliant

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Price Each			
				1	10	100	500
12BC015-GR	J	24AWG	4	.42	.30	.28	.25
12BC010-GR	J	24AWG	6	.42	.30	.28	.25
12BC016-GR	J	24AWG	10	.42	.30	.28	.25

MOLDED BATTERY SNAPS

- Molded 2 piece construction
- Covers battery terminals completely
- UL1007 26AWG wire stripped and tinned 5mm
- Material ABS resin, black
- 6 prong brass nickel plated snap
- UL listed wire

RoHS Compliant

4000 Series

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Price Each			
				1	10	100	500
123-4006-GR	K	26AWG	6	.41	.29	.26	.24
123-4016-GR	L	26AWG	6	.41	.29	.26	.24

MOLDED BATTERY SNAPS (CONT.)

4000 Series With 2 Pole Socket Wire Termination

RoHS Compliant

- Mates with Molex P/N 22-11-2022

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Price Each			
				1	10	100	500
123-4006/M-GR	M	26AWG	6	.47	.41	.37	.34
123-4016/M-GR	N	26AWG	6	.47	.41	.37	.34

5000 Series

A unique 2 piece molded design. Leads are attached to the snaps with copper solderless ring terminals for extra strength and reliability. 7-strand copper conductor (tin overcoated).

RoHS Compliant

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Price Each			
				1	10	100	500
123-5004-GR	O	26AWG	4	.39	.28	.23	.21
123-5006-GR	O	26AWG	6	.39	.28	.23	.21
123-5008-GR	O	26AWG	8	.43	.30	.24	.22
123-5114-GR	P	26AWG	4	.43	.30	.24	.22
123-5116-GR	P	26AWG	6	.39	.28	.23	.21
123-5118-GR	P	26AWG	8	.43	.30	.24	.22

5000 Series With 2 Pole Socket Wire Termination

- Mates with Molex P/N 22-11-2022

RoHS Compliant

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Price Each			
				1	10	100	500
123-5004/M-GR	Q	26AWG	4	.44	.37	.34	.31
123-5006/M-GR	Q	26AWG	6	.44	.37	.34	.31
123-5114/M-GR	R	26AWG	4	.44	.37	.34	.31
123-5116/M-GR	R	26AWG	6	.44	.37	.34	.31

PREMIUM 7000 Series

A unique 2 piece molded design. Leads are attached to the snaps with copper solderless ring terminals for extra strength and reliability.

- High reliability
- 6 prong nickel plated brass snaps
- Attractive white housing with light blue cover
- UL/CSA 1007 24AWG stripped and tinned wire
- Solderless ring terminals eliminate cold solder joints

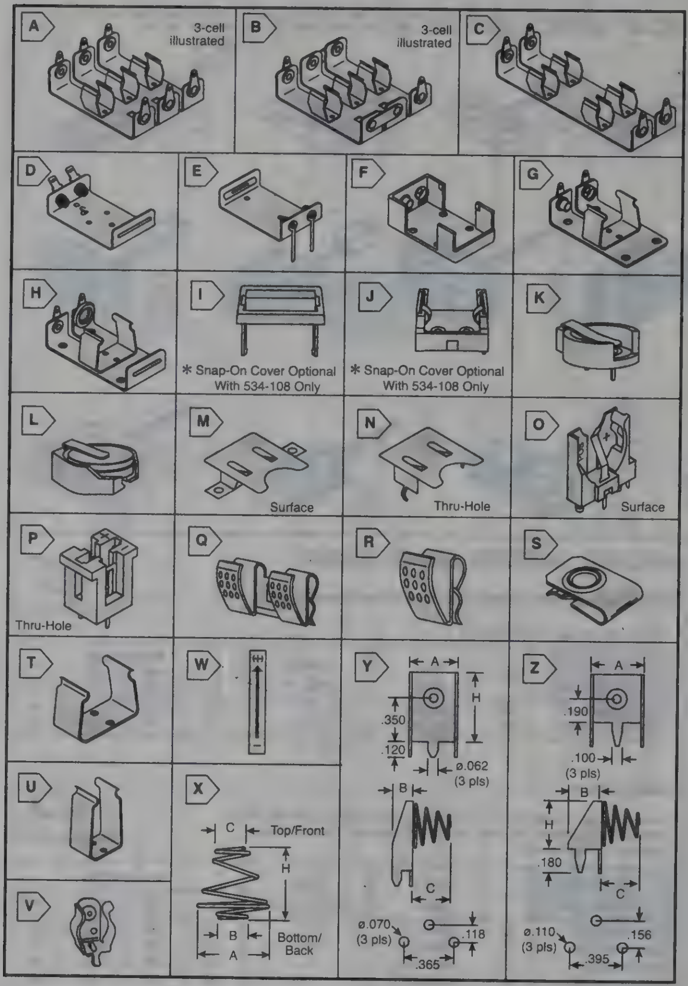
MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Price Each			
				1	10	100	500
123-7014	S	24AWG	4	.83	.42	.38	.35
123-7016	S	24AWG	6	.83	.42	.38	.35
123-7020	S	24AWG	10	.89	.45	.42	.38

Dual 9V Battery Snaps

RoHS Compliant

MOUSER STOCK NO.	Fig.	Wire Size	Lead Length (in.)	Description	Price Each			
					1	10	100	500
123-BS-M-4A-GR	T	26AWG	6	Wire Leads	.83	.76	.72	.63
123-BS-M-4B-GR	T	--	--	Rivets	.83	.76	.72	.63
123-BS-M-4D-GR	T	--	--	Solder Tabs	.83	.76	.72	.63

KEYSTONE Battery Holders, Clips & Spring Contacts



KEYSTONE ALUMINUM BATTERY HOLDERS

In series type holders feature pre-connected jumper strap insulated from the aluminum base. Batteries held in series circuit without additional wiring.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	No. of Cells	Type	Price Each		
				1	10	100
"AA" Size						
534-139	A	1	One cell individually connected	.94	.79	.70
534-140	A	2	Two cells individually connected	1.82	1.55	1.40
534-146	B	2	Two cells connected in series	2.00	1.70	1.59
534-171	A	3	Three cells individually connected	3.51	3.33	2.55
534-147	B	3	Three cells connected in series	3.47	2.91	2.58
534-192	C	4	Four cells individually connected, 2 x 2	2.80	2.34	2.06
534-148	C	4	Four cells connected in series	3.06	2.56	2.29
"C" Size						
534-173	A	1	One cell individually connected	1.12	.94	.87
534-174	A	2	Two cells individually connected	2.00	1.77	1.53
534-149	B	2	Two cells connected in series	2.14	1.79	1.70
534-151	C	4	Four cells connected in series	3.56	3.19	2.95
"D" Size						
534-175	A	1	One cell individually connected	1.28	1.06	.96
534-176	A	2	Two cells individually connected	2.28	1.91	1.72

KEYSTONE "6V" LITHIUM BATTERY HOLDERS

- For Eveready EL223A or equivalent

MOUSER STOCK NO.	Fig.	No. of Cells	Terminal Type	Price Each		
				1	10	100
534-223	D	1	Quick disconnect/solder lug	2.15	1.79	1.67
534-224	E	1	PC	2.27	1.89	1.74

KEYSTONE "9V" BATTERY HOLDERS

Glass Filled Nylon

- Terminals: tin plated brass • Contacts: nickel plated steel

For quantities of 500 and up, call for quote.

534-1294	F	1	PC	1.10	.86	.80
534-1295	F	1	Solder	1.00	.84	.77

Aluminum

- Solder & PC lugs: tin plated brass • Contacts & clips: nickel plated steel • Insulation: resin impregnated fibre

534-1290	G	1	Solder	1.72	1.60	1.50
534-1291	G	1	PC	1.80	1.70	1.50
534-203	H	1	Solder	1.87	1.67	1.57

KEYSTONE PC BATTERY HOLDERS

- Snap-in design
- *UL 94V-0 material

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
*534-108A	I	1 cell; Cover only	.60	.48	.39
*534-108	J	1 cell; 1/2 AA size	.94	.79	.65
534-1028	J	1 cell; AA size	.93	.78	.64

KEYSTONE PC MOUNT COIN CELL BATTERY HOLDERS

- Contact material: nickel over copper plated spring steel • Housing material: glass-filled nylon, UL 94V-0

534-501	K	2-ø12mm cells; BR1216, CR1216, BR1220, CL1220, CR1220, BR1225	1.95	1.63	1.36
534-502	K	1-ø16mm cell; BR1616, CR1616, CR1620, CR1632	1.10	.93	.76
534-103	K	1-ø20mm cell; BR2016, BR2020, BR2025, BR2032	1.30	1.15	.80
534-104	K	1-ø23mm cell; BR2320, BR2325, BR2330, BR2335	1.10	.93	.75
534-301	K	1-ø30mm cell; BR3032	1.10	.93	.75

KEYSTONE PC MOUNT COIN CELL BATTERY HOLDERS

- Made of UL approved glass-filled nylon 94V-0

For quantities of 500 and up, call for quote.

534-500	K	Holds 3-volt cell, .47" dia. x .1"	1.75	1.46	1.18

MOUSER STOCK NO.	Fig.	No. of Cells	Duracell	Ray-O-Vac Panasonic	Eveready GP	Price Each		
						1	10	100
534-105	K	1	- - - - -	- - - - -	- - - - -	1.13	.95	.79
534-1025	K	2 1	DL2430 DL2450	- - - - - - - - - -	- - - - - - - - - -	1.20	1.00	.83
534-106	K	1	DL2016	BR2016	CR2016	1.10	.94	.76
534-1026	K	2	DL2025 DL2032 - - - - -	CR2016 CR2025 BR2032	CR2025 CR2023 CR2032	1.25	1.05	.89
534-107	K	1	CR2316 - - - - -	BR2320 CR2325	- - - - - - - - - -	1.10	.92	.75
534-1027	K	2	- - - - -	BR2330	- - - - -	1.21	1.03	.82

KEYSTONE COIN CELL BATTERY HOLDERS

- Contact: tin over nickel plated steel • Housing: Nylon, Stanyl-46 • Temp. rating: -15°C to 282°C

MOUSER STOCK NO.	Fig.	No. of Cells	Cell Dia.	Fits Battery Types	Price Each		
					1	10	100
534-1061	L	1	20mm	2016, 2025, 2032	1.48	1.25	1.00
534-1062	L	2	20mm	2016, 2025, 2032	1.48	1.24	1.00

KEYSTONE COIN CELL HOLDERS

- Spring: nickel plated steel

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Cell Dia.	Description	Price Each		
				1	10	100
Horizontal						
534-3000	M	12mm	BR1216, BR1220, BR1225	.34	.29	.23
534-3002	M	20mm	BR2016, BR2020, BR2025, BR2032	.35	.30	.25
534-3004	M	23mm	BR2320, BR2325, BR2330	.40	.28	.21
534-3006	M	24mm	CR2430, DL2430	.40	.32	.26
534-3001	N	12mm	BR1216, BR1220, BR1225	.34	.29	.23
534-3003	N	20mm	BR2016, BR2020, BR2025, BR2032	.38	.32	.28
534-3005	N	23mm	BR2320, BR2325, BR2330	.40	.28	.22
Vertical						
534-1065	O	20mm	Fits all major mfg. 20mm batteries	1.35	1.15	.95
534-1067	P	20mm	Fits all major mfg. 20mm batteries	1.29	1.15	.94

KEYSTONE SNAP-ON BATTERY CLIPS

- Self-anchoring • Clips over panels from .060" to .070" thick

MOUSER STOCK NO.	Fig.	No. of Cells	Description	Price Each		
				1	100	500
534-210	Q	2	A and AA snap-on double clip	.42	.21	.18
534-202	Q	2	AAA, AAAA and N snap-on double clip	.42	.22	.19
534-288	Q	2	A and AA snap-on double clip	.42	.21	.18
534-204	R	1	AAA, AAAA and N snap-on clip	.28	.14	.12
534-209	R	1	AA snap-on clip	.29	.15	.13
534-228	S	1	AA positive snap-on clip	.23	.12	.09
534-238	S	1	AAA, AAAA and N snap-on clip	.19	.09	.08

KEYSTONE BATTERY CLIPS

- Aluminum clips: plain finish • Steel clips: nickel plated

MOUSER STOCK NO.	Fig.	Fits 9V Size	Dimensions H x W (In.)	Cell Mounts	Material	Price Each		
						1	10	100
534-071	T	.593 x 1.031	.687 x 1.031	flat / horiz.	.015 steel	.30	.25	.21
534-079	T	.650 x 1.031	.765 x 1.050	flat / horiz.	.015 steel	.35	.29	.25
534-080	U	.650 x 1.031	1.187 x .625	side / vert.	.015 steel	.39	.33	.28
534-095	U	.625 x 1.000	1.125 x .656	side / vert.	.025 alum.	.32	.27	.23

KEYSTONE PC BATTERY CLIP

- For A and AA type batteries with diameters from .531" to .665" • Spring: .015", nickel plated steel

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	100	500
534-082	V	1 cell; AAA and N snap-on clip	.20	.15	.12
534-092	V	1 cell; A, AA type battery clip, snap-in design	.22	.17	.15

KEYSTONE POLARITY INDICATOR LABELS

- Pressure sensitive adhesive back • Adheres to all surfaces

534-058	W	Labels measure .25" x 1.375"	.06	.03	.03

KEYSTONE BATTERY SPRING CONTACTS

- Easy to assemble with eyelets or rivets • Spring: nickel plated steel

MOUSER STOCK NO.	Fig.	Battery Type	Dimension (In.)				Price Each			
			H	A	B	C	1	100	500	1000
534-211	X	AA, A	.290	.335	.100	.140	.13	.07	.05	.04
534-211D	X	C, D	.850	.650	.162	.300	.26	.13	.11	.09

KEYSTONE PC SPRING CONTACTS

- Space saving design installs directly onto the PC board • Spring: .015", tin plated steel

534-628	Y	A	.55	.38	.156	.29	.40	.36	.31	.30
534-629	Z	AA, AAA	.38	.41	.265	.29	.40	.36	.31	.28

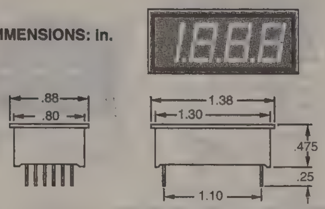
C&D TECHNOLOGIES Digital Panel Meters

RoHS Compliant This page of product is compliant.

DATEL 3 1/2 DIGIT SUBMINIATURE LED VOLTMETERS

Features:
- Large 0.37"/9.4mm LED display
- 12-pin DIP packages, panel or board mountable
- Moisture/vibration resistant encapsulated packages
- Single 5V power supply required, 75mA typ.

DIMENSIONS: in.



RoHS Compliant

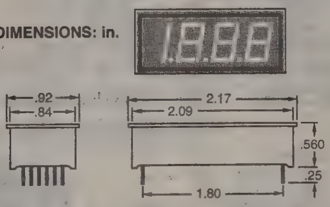
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Display Color	Price Each	
				1	5
580-20PC-0-RL-C	DMS-20PC-0-RL-C	±200mV	Low-Power Red	**46.00**	**43.50**
580-20PC-0-RS-C	DMS-20PC-0-RS-C	±200mV	Standard Red	**42.00**	**40.00**
580-20PC-0-BS-C	DMS-20PC-0-BS-C	±200mV	Standard Blue	**50.00**	**47.50**
580-20PC-0-GS-C	DMS-20PC-0-GS-C	±200mV	Standard Green	**42.00**	**40.00**
580-20PC-1-RL-C	DMS-20PC-1-RL-C	±2V	Low-Power Red	**46.00**	**43.50**
580-20PC-1-RS-C	DMS-20PC-1-RS-C	±2V	Standard Red	**42.00**	**40.00**
580-20PC-1-RH-C	DMS-20PC-1-RH-C	±2V	High-Intensity Red	**46.00**	**43.50**
580-20PC-1-BS-C	DMS-20PC-1-BS-C	±2V	Standard Blue	**50.00**	**47.50**
580-20PC-1-GS-C	DMS-20PC-1-GS-C	±2V	Standard Green	**42.00**	**40.00**
580-20PC-1-YS-C	DMS-20PC-1-YS-C	±2V	Standard Yellow	**42.00**	**40.00**
580-20PC-2-RL-C	DMS-20PC-2-RL-C	±20V	Low-Power Red	**46.00**	**43.50**
580-20PC-2-RS-C	DMS-20PC-2-RS-C	±20V	Standard Red	**42.00**	**40.00**
580-20PC-2-BS-C	DMS-20PC-2-BS-C	±20V	Standard Blue	**50.00**	**47.50**
580-20PC-2-GS-C	DMS-20PC-2-GS-C	±20V	Standard Green	**42.00**	**40.00**
580-20PC-3-RL-C	DMS-20PC-3-RL-C	±200V	Low-Power Red	**46.00**	**43.50**
580-20PC-3-RS-C	DMS-20PC-3-RS-C	±200V	Standard Red	**42.00**	**40.00**
580-20PC-3-RH-C	DMS-20PC-3-RH-C	±200V	High-Intensity Red	**46.00**	**43.50**

DATEL 3 1/2 DIGIT MINIATURE LED VOLTMETERS

Features:
- Large 0.56"/14.2mm LED display
- 12-pin DIP packages, panel or board mountable
- Moisture/vibration resistant encapsulated packages
- Single 5V power supply required, 150mA typ.

DIMENSIONS: in.



RoHS Compliant

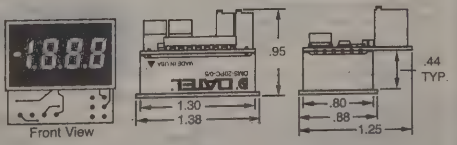
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Display Color	Price Each	
				1	5
580-30PC-0-RL-C	DMS-30PC-0-RL-C	±200mV	Low-Power Red	**58.00**	**53.50**
580-30PC-0-RS-C	DMS-30PC-0-RS-C	±200mV	Standard Red	**54.00**	**49.50**
580-30PC-0-BS-C	DMS-30PC-0-BS-C	±200mV	Standard Blue	**65.00**	**60.00**
580-30PC-0-GS-C	DMS-30PC-0-GS-C	±200mV	Standard Green	**54.00**	**49.50**
580-30PC-1-RL-C	DMS-30PC-1-RL-C	±2V	Low-Power Red	**58.00**	**53.50**
580-30PC-1-RS-C	DMS-30PC-1-RS-C	±2V	Standard Red	**54.00**	**49.50**
580-30PC-1-RH-C	DMS-30PC-1-RH-C	±2V	High-Intensity Red	**58.00**	**53.50**
580-30PC-1-BS-C	DMS-30PC-1-BS-C	±2V	Standard Blue	**65.00**	**60.00**
580-30PC-1-GL-C	DMS-30PC-1-GL-C	±2V	Low-Power Green	**58.00**	**53.50**
580-30PC-1-GS-C	DMS-30PC-1-GS-C	±2V	Standard Green	**54.00**	**49.50**
580-30PC-1-YS-C	DMS-30PC-1-YS-C	±2V	Standard Yellow	**54.00**	**49.50**
580-30PC-2-RL-C	DMS-30PC-2-RL-C	±20V	Low-Power Red	**58.00**	**53.50**
580-30PC-2-RS-C	DMS-30PC-2-RS-C	±20V	Standard Red	**54.00**	**49.50**
580-30PC-2-RH-C	DMS-30PC-2-RH-C	±20V	High-Intensity Red	**58.00**	**53.50**
580-30PC-2-BS-C	DMS-30PC-2-BS-C	±20V	Standard Blue	**65.00**	**60.00**
580-30PC-2-GS-C	DMS-30PC-2-GS-C	±20V	Standard Green	**54.00**	**49.50**
580-30PC-2-YS-C	DMS-30PC-2-YS-C	±20V	Standard Yellow	**54.00**	**49.50**
580-30PC-3-RL-C	DMS-30PC-3-RL-C	±200V	Low-Power Red	**58.00**	**53.50**

DATEL 3 1/2 DIGIT LED PROCESS CONTROL MONITOR

Features:
- Full-size, 0.52"/13.2mm LED display
- Accepts 0-5V and 0-10V inputs
- +4.75V to +40V power supply required, 15mA max.
- DIP-switch selectable range and decimal points
- On-board gain/span and zero/offset trim pots

DIMENSIONS: in.



RoHS Compliant

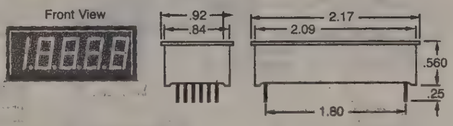
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Display Color	Price Each	
				1	5
580-20PC-05-24RL-C	DMS-20PC-0/5-24RL-C	0-5V	Low-Power Red LED	**78.00**	**76.50**

DATEL 4 1/2 DIGIT MINIATURE LED VOLTMETERS

Features:
- Large 0.52"/13.2mm LED display
- Single +5V supply
- 12-pin DIP package

DIMENSIONS: in.



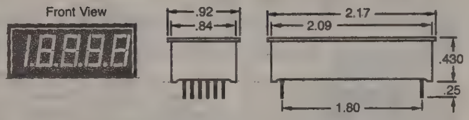
RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Display Color	Price Each	
				1	5
580-40PC-1-RL-C	DMS-40PC-1-RL-C	±2V	Low-Power Red	**82.00**	**79.50**
580-40PC-1-RS-C	DMS-40PC-1-RS-C	±2V	Standard Red	**78.00**	**75.50**
580-40PC-1-RH-C	DMS-40PC-1-RH-C	±2V	High-Intensity Red	**82.00**	**79.50**
580-40PC-1-GS-C	DMS-40PC-1-GS-C	±2V	Standard Green	**78.00**	**75.50**
580-40PC-2-RL-C	DMS-40PC-2-RL-C	±20V	Low-Power Red	**82.00**	**79.50**
580-40PC-2-RS-C	DMS-40PC-2-RS-C	±20V	Standard Red	**78.00**	**75.50**
580-40PC-2-GS-C	DMS-40PC-2-GS-C	±20V	Standard Green	**78.00**	**75.50**

DATEL 4 1/2 DIGIT MINIATURE LCD VOLTMETERS

Features:
- Large 0.4"/10.2mm LCD display
- 12-pin DIP package, panel or board mountable
- User-selectable decimal point placement
- Low-battery "BAT" annunciator



RoHS Compliant

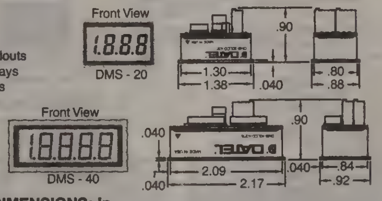
DIMENSIONS: in.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Power Source	Price Each	
				1	5
580-40LCD-01-5-C	DMS-40LCD-0/1-5-C	±200mV/±2V	+5V	**78.00**	**75.50**
580-40LCD-01-9-C	DMS-40LCD-0/1-9-C	±200mV/±2V	+9V	**78.00**	**75.50**
580-40LCD-12-5-C	DMS-40LCD-1/2-5-C	±2V/±20V	+5V	**78.00**	**75.50**
580-40LCD-12-9-C	DMS-40LCD-1/2-9-C	±2V/±20V	+9V	**78.00**	**75.50**
580-40LCD-23-5-C	DMS-40LCD-2/3-5-C	±20V/±200V	+5V	**78.00**	**75.50**
580-40LCD-23-9-C	DMS-40LCD-2/3-9-C	±20V/±200V	+9V	**78.00**	**75.50**

DATEL LOOP-POWERED 4-20MA PROCESS MONITORS

Features:
- Totally loop powered - no external supplies
- Industry's only loop powered, full-size LED readouts
- 3 1/2 and 4 1/2 digit resolutions LED/LCD displays
- DIP-switch selectable span/offset/decimal points
- On-board gain/span and zero/offset trim pots



RoHS Compliant

DIMENSIONS: In.

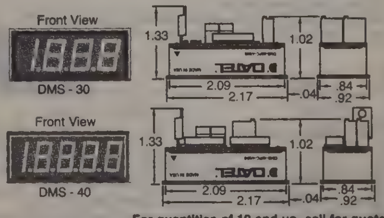
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Reading Model	Display Type	Price Each	
				1	5
580-20LCD-420S-C	DMS-20LCD-4/20S-C	Unipolar	31/2 digit LCD, .37"	**54.00**	**53.00**
580-20PC-420S-C	DMS-20PC-4/20S-C	Unipolar	31/2 digit red LED, .37"	**72.00**	**70.50**
580-20PC-420B-C	DMS-20PC-4/20B-C	Bipolar	31/2 digit red LED, .37"	**72.00**	**70.50**
580-20PC-420P-C	DMS-20PC-4/20P-C	Positive	31/2 digit red LED, .37"	**72.00**	**70.50**
580-40LCD-420S-C	DMS-40LCD-4/20S-C	Unipolar	41/2 digit LCD, .40"	**110.00**	**106.50**

DATEL LOCALLY POWERED 4-20MA PROCESS MONITORS

DIMENSIONS: In.

Features:
- +24V isolated power supply required, 60mA max.
- 3 1/2 and 4 1/2 digit resolutions LED displays
- DIP-switch selectable span/offset/decimal points
- On-board gain/span & zero/offset trim pots



RoHS Compliant

For quantities of 10 and up, call for quote.

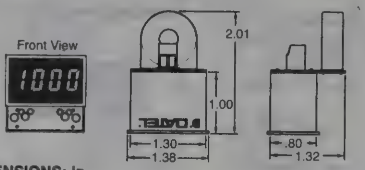
MOUSER STOCK NO.	Datel Part No.	Power Supply Required (Isolated)	Display Type	Price Each	
				1	5
580-30PC-24RS-I-C	DMS-30PC-4/20S-24RS-I-C	24VDC	31/2 digit red LED, .37"	**84.00**	**82.25**
580-40PC-24RS-I-C	DMS-40PC-4/20S-24RS-I-C	24VDC	41/2 digit red LED, .37"	**116.00**	**112.50**

C&D TECHNOLOGIES Digital Panel Meters

RoHS Compliant This page of product is compliant.

DATEL 3 1/2 DIGIT 5 AMP INPUT LED AC AMMETERS

Features:
- 0.37"/9.4mm 3 1/2-digit red LED display
- Scales and displays the output of 50:5A to 500:5A current transformers
- On-board 5A current transformers
- 2000V isolation UL/CSA recognized



RoHS Compliant

DIMENSIONS: in.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Power Supply	Price Each 1	Price Each 5
580-ACA520PC1RL-C	ACA5-20PC-1-AC1-RL-C	0-50.0A	85-264VAC	72.00	70.00
580-ACA520PC-3RL-C	ACA5-20PC-3-AC1-RL-C	0-100.0A	85-264VAC	72.00	70.00
580-ACA520PC-4RL-C	ACA5-20PC-4-AC1-RL-C	0-150.0A	85-264VAC	72.00	70.00
580-ACA520PC-5RL-C	ACA5-20PC-5-AC1-RL-C	0-199.9A	85-264VAC	72.00	70.00
580-ACA520PC-9RL-C	ACA5-20PC-9-AC1-RL-C	0-500A	85-264VAC	72.00	70.00
580-ACA520PC14RL-C	ACA5-20PC-14-AC1-RL-C	0-1999A	85-264VAC	72.00	70.00

DATEL 5 AMP EXTERNAL AC CURRENT TRANSFORMERS

Features:
- For use with ACA5 ammeters
- Insulation class: 600V, 10kV BIL full wave
- Frequency range: 50-400Hz

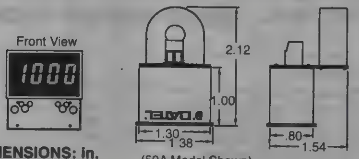
RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Current Ratio (A)	Burden VA (Ω)	Price Each 1	Price Each 5
580-7020-01036-0	7020-01036-0	50:5	1.5 (0.06)	31.82	29.17
580-7020-01038-0	7020-01038-0	100:5	3.0 (0.12)	31.82	29.17
580-7020-01039-0	7020-01039-0	150:5	6.0 (0.24)	31.82	29.17
580-7020-01040-0	7020-01040-0	200:5	8.0 (0.32)	31.82	29.17
580-7020-01044-0	7020-01044-0	1000:5	10.0 (0.80)	45.00	42.50
580-7020-01046-0	7020-01046-0	2000:5	15.0 (0.60)	57.27	52.50

DATEL 3 1/2 DIGIT AC AMMETERS WITH BUILT-IN CURRENT TRANSFORMERS

Features:
- Built-in current transformers for direct measurements of 0 to 2/20/50/100 Amps
- 0.37"/9.4mm 3 1/2 - digit LED display
- 2000V isolation UL/CSA recognized
- Power supply: 85-264VAC @ 50/60Hz



RoHS Compliant

DIMENSIONS: in.

(50A Model Shown)

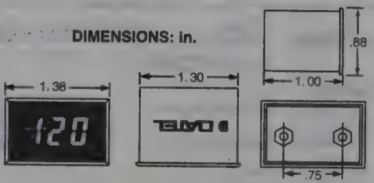
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Display Color	Price Each 1	Price Each 5
580-ACA20PC11RL-C	ACA-20PC-1-AC1-RL-C	0-1.999A	Standard Red	78.00	75.50
580-ACA20PC2AC1-RL-C	ACA-20PC-2-AC1-RL-C	0-19.99A	Standard Red	78.00	75.50
580-ACA20PC3AC1RL-C	ACA-20PC-3-AC1-RL-C	0-50.0A	Standard Red	84.00	81.50
580-ACA20PC41-RL-C	ACA-20PC-4-AC1-RL-C	0-100.0A	Standard Red	84.00	81.50

DATEL 3 DIGIT SELF-POWERED LED AC LINE VOLTAGE MONITORS

Features:
- Large 0.37"/9.4mm LCD display
- No auxiliary power required
- Fully encapsulated for harsh environments
- UL, CSA, and IEC1010-1 certified

DIMENSIONS: in.



RoHS Compliant

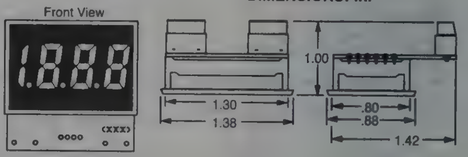
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Termination	Display Color	Price Each 1	Price Each 5
580-DMS-20PC-1-LM-C	DMS-20PC-1-LM-C	Screw terminals	Red LED	56.00	53.00
580-20PC-1-LM-B-C	DMS-20PC-1-LM-B-C	Screw terminals	Blue LED	65.00	60.00
580-20PC-1-LM-F-C	DMS-20PC-1-LM-F-C	Blade terminals	Red LED	56.00	53.00
580-20PC-1-LM-BF-C	DMS-20PC-1-LM-BF-C	Blade terminals	Blue LED	65.00	60.00
580-20PC-2-LM-C	DMS-20PC-2-LM-C	Screw terminals	Red LED	56.00	53.00
580-DMS-20PC-3-LM-C	DMS-20PC-3-LM-C	Screw terminals	Red LED	64.47	59.10

DATEL 3 1/2 DIGIT SUBMINIATURE DC AMMETERS

Features:
- 0.37"/9.4mm 3 1/2-digit red LED display
- Scales and displays the output of 50:5A to 500:5A current transformers
- Wide power supply inputs - 5-40VDC
- Factory calibrated to ±0.1% accuracy

DIMENSIONS: in.



RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range 50mV Shunt	Input Range 100mV Shunt	Price Each 1	Price Each 5
580-D520PC-1-DC1RL-C	DCA5-20PC-1-DC1-RL-C	5.0-500A	10.00-1000A	50.00	45.00
580-D520PC-2-DC1RL-C	DCA5-20PC-2-DC1-RL-C	1.0-1000A	1.999-1999A	50.00	45.00
580-D520PC-5-DC1RL-C	DCA5-20PC-5-DC1-RL-C	15.00-1500A	N/A	50.00	45.00
580-D520PC-6-DC4GS-C	DCA5-20PC-6-DC4-GS-C	1.999-1999A	N/A	50.00	45.00

DATEL 50MV AND 100MV BASE-MOUNTED DC SHUNTS

Features:
- Connect directly with DCA5 ammeters
- Rated accuracy: ±0.25% max.
- Manganin sensing element
- Brass terminal posts and screws

RoHS Compliant

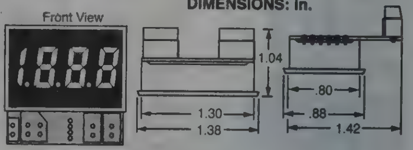
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Rated Current/ Output	Resistance Ω @ 25˚C	Price Each 1	Price Each 5
580-3020-01097-0	3020-01097-0	5A/50mV	0.01	25.45	23.33
580-3020-01107-0	3020-01107-0	10A/100mV	0.01	25.45	23.33
580-3020-01098-0	3020-01098-0	20A/50mV	0.0025	25.45	23.33
580-3020-01096-0	3020-01096-0	50A/50mV	0.001	25.45	23.33
580-3020-01099-0	3020-01099-0	100A/50mV	0.0005	25.45	23.33
580-3020-01108-0	3020-01108-0	100A/100mV	0.001	25.45	23.33
580-3020-01100-0	3020-01100-0	150A/50mV	0.00033	25.45	23.33
580-3020-01101-0	3020-01101-0	200A/50mV	0.00025	31.82	29.17
580-3020-01102-0	3020-01102-0	300A/50mV	0.000167	25.00	24.25
580-3020-01103-0	3020-01103-0	500A/50mV	0.0001	25.00	24.25

DATEL 3 1/2 DIGIT SUBMINIATURE DC AMMETERS WITH BUILT-IN SHUNTS

Features:
- Large 0.37"/9.4mm LED display
- Functionally complete - no additional components required
- Wide power supply inputs - 5-40VDC
- 20mV internal shunt minimizes power loss
- Factory calibrated to ±0.1% accuracy

DIMENSIONS: in.



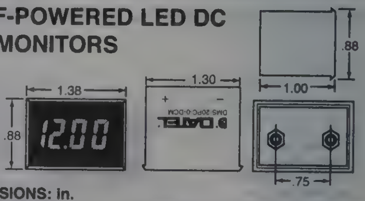
RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Power	Price Each 1	Price Each 5
LED Color: Low-power Red					
580-D20PC-1-DC4-RL-C	DCA-20PC-1-DC4-RL-C	0-199.9μA	+8-36VDC, isolated	64.00	58.00
580-D20PC-3-DC1-RL-C	DCA-20PC-3-DC1-RL-C	0-19.99mA	5-40VDC, non-isolated	54.00	49.50
580-D20PC-4-DC4-RL-C	DCA-20PC-4-DC4-RL-C	0-199.9mA	+8-36VDC, isolated	64.00	58.00
580-D20PC-5-DC1-RL-C	DCA-20PC-5-DC1-RL-C	0-1.999A	5-40VDC, non-isolated	54.00	49.50
580-D20PC-5-DC4-RL-C	DCA-20PC-5-DC4-RL-C	0-1.999A	+8-36VDC, isolated	64.00	58.00
580-D20PC-6-DC1-RL-C	DCA-20PC-6-DC1-RL-C	0-19.99A	5-40VDC, non-isolated	54.00	49.50
580-D20PC-6-DC4-RL-C	DCA-20PC-6-DC4-RL-C	0-19.99A	+8-36VDC, isolated	64.00	58.00
LED Color: Standard Blue					
580-D20PC-5-DC4-BS-C	DCA-20PC-5-DC4-BS-C	0-1.999A	+8-36VDC, isolated	73.00	66.50
580-D20PC-6-DC4-BS-C	DCA-20PC-6-DC4-BS-C	0-19.99A	+8-36VDC, isolated	73.00	66.50

DATEL 3 1/2 DIGIT SELF-POWERED LED DC LINE VOLTAGE MONITORS

Features:
- Large 0.37"/9.4mm LCD display
- No auxiliary power required
- 0.37"/9.4mm high LED displays
- 13mA (max.) current consumption



RoHS Compliant

DIMENSIONS: in.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Display Color	Price Each 1	Price Each 5
580-DMS-20PC-0-DCM-C	DMS-20PC-0-DCM-C	+4.50 to +19.99VDC	Red LED	50.00	47.50
580-20PC-0-DCM-B-C	DMS-20PC-0-DCM-B-C	+4.50 to +19.99VDC	Blue LED	59.00	53.50
580-20PC-1-DCM-C	DMS-20PC-1-DCM-C	+8.0 to +50.0VDC	Red LED	50.00	47.50
580-20PC-1-DCM-B-C	DMS-20PC-1-DCM-B-C	+8.0 to +50.0VDC	Blue LED	59.00	53.50
580-20PC-2-DCM-C	DMS-20PC-2-DCM-C	+30 to +264V	Red LED	50.00	47.50
580-20PC-8-DCM-C	DMS-20PC-8-DCM-C	+30 to +199.9V	Red LED	50.00	47.50

C&D TECHNOLOGIES Digital Panel Meters

RoHS Compliant This page of product is compliant.

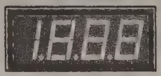
DATEL 3 1/2 DIGIT DAYLIGHT READABLE VOLTMETERS W/AUTO-DIMMING LED DISPLAY

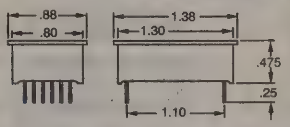
Features:
- Large 0.56"/14.2mm LED display
- 12-pin DIP package, panel or board mountable
- Readable in direct sunlight
- Red LED display

RoHS Compliant

NEW FROM SUPPLIER

DIMENSIONS: in.





For quantities of 10 and up, call for quote.

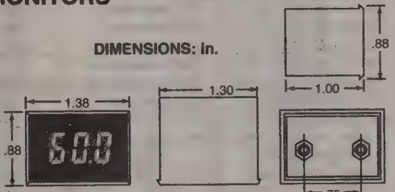
MOUSER STOCK NO.	Datel Part No.	Input Range	Price Each	
			1	5
580-DMS-30DR-0-R-C	DMS-30DR-0-R-C	±200mV	68.00	63.00
580-DMS-30DR-1-R-C	DMS-30DR-1-R-C	±2V	68.00	63.00
580-DMS-30DR-2-R-C	DMS-30DR-2-R-C	±20V	68.00	63.00
580-DMS-30DR-3-R-C	DMS-30DR-3-R-C	±200V	68.00	63.00

DATEL 3 DIGIT SELF-POWERED LED AC LINE FREQUENCY MONITORS

Features:
- Ideal for emergency power equipment
- No auxiliary power required
- Epoxy encapsulated for harsh environments
- 0.40"/10.2mm 3 - digit red LED display
- Voltage range: 85-140VAC

RoHS Compliant

DIMENSIONS: in.



For quantities of 10 and up, call for quote.

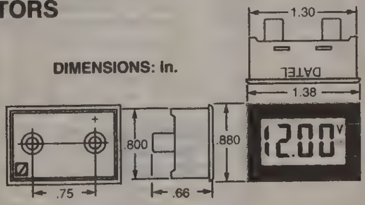
MOUSER STOCK NO.	Datel Part No.	Frequency Range	Termination	Price Each	
				1	5
580-20PC-1-FM-C	DMS-20PC-1-FM-C	47.0-99.0Hz	Screw terminals	56.00	53.00
580-20PC-1-FM-F-C	DMS-20PC-1-FM-F-C	47.0-99.0Hz	Blade terminals	56.00	53.00
580-20PC-3-FM-C	DMS-20PC-3-FM-C	350-450Hz	Screw terminals	56.00	53.00

DATEL 3 1/2 DIGIT SELF-POWERED LCD DC VOLTAGE MONITORS

Features:
- Large 0.37"/9.4mm LED display
- Ideal for battery-powered systems
- Reverse polarity protected
- Built-in "VDC" annunciator

RoHS Compliant

DIMENSIONS: in.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Display Type	Price Each	
				1	5
580-20LCD-0-DCM-C	DMS-20LCD-0-DCM-C	+6.50V to 18.00VDC	31/2 digit LCD	30.00	28.50
580-20LCD-1-DCM-C	DMS-20LCD-1-DCM-C	+8.0V to 50.0VDC	3 digit LCD	30.00	28.50

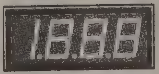
DATEL 3 1/2 DIGIT MINIATURE LCD VOLTMETERS

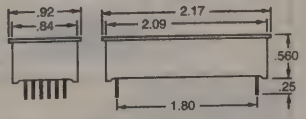
Features:
- Large 0.4"/10.2mm LCD display
- 12-pin DIP packages, panel, pc-card, or board mountable
- Single 5V power supply required, 45mA typ.

NEW PRODUCT

RoHS Compliant

DIMENSIONS: in.





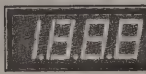
For quantities of 10 and up, call for quote.

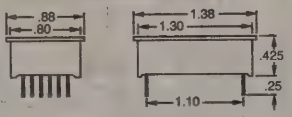
MOUSER STOCK NO.	Datel Part No.	Input Range	Power Source	Price Each	
				1	5
580-30LCD-0-5B-C	DMS-30LCD-0-5B-C	±200mV	+5V	50.00	46.00
580-30LCD-0-5-C	DMS-30LCD-0-5-C	±200mV	+5V	48.00	44.00
580-30LCD-1-5B-C	DMS-30LCD-1-5B-C	±2V	+5V	50.00	46.00
580-30LCD-1-5-C	DMS-30LCD-1-5-C	±2V	+5V	48.00	44.00
580-30LCD-2-5-C	DMS-30LCD-2-5-C	±20V	+5V	48.00	44.00
580-30LCD-3-5-C	DMS-30LCD-3-5-C	±200V	+5V	48.00	44.00

DATEL 3 1/2 DIGIT SUBMINIATURE LCD VOLTMETERS

Features:
- Large 0.37"/9.4mm LCD display
- 12-pin DIP package, panel or board mountable
- User-selectable decimal point placement

DIMENSIONS: in.





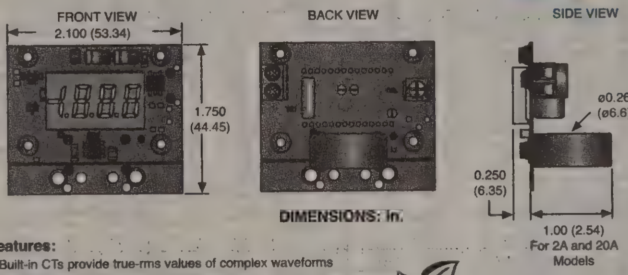
RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Power Source	Price Each	
				1	5
580-20LCD-0-5-C	DMS-20LCD-0-5-C	±200mV	+5V	32.00	30.50
580-20LCD-0-5B-C	DMS-20LCD-0-5B-C	±200mV	+5V	34.00	32.50
580-20LCD-0-9-C	DMS-20LCD-0-9-C	±200mV	+9V	30.00	28.50
580-20LCD-0-9B-C	DMS-20LCD-0-9B-C	±200mV	+9V	32.00	30.50
580-DMS-20LCD-1-5-C	DMS-20LCD-1-5-C	±2V	+5V	32.00	30.50
580-20LCD-1-5B-C	DMS-20LCD-1-5B-C	±2V	+5V	34.00	32.50
580-20LCD-1-9-C	DMS-20LCD-1-9-C	±2V	+9V	30.00	28.50
580-20LCD-2-5-C	DMS-20LCD-2-5-C	±20V	+5V	32.00	30.50
580-20LCD-2-5B-C	DMS-20LCD-2-5B-C	±20V	+5V	34.00	32.50
580-20LCD-2-9-C	DMS-20LCD-2-9-C	±20V	+9V	30.00	28.50

DATEL 3 1/2 DIGIT TRUE-RMS AC AMMETERS WITH BUILT-IN CURRENT TRANSFORMERS

NEW PRODUCT



Features:
- Built-in CTs provide true-rms values of complex waveforms
- 0.37"/9.4mm 3 1/2-digit red LED display
- Five ranges measures: 0-0.2A, 0-2A, 0-20A, 0-30A & 0-50A
- UL and CSA recognized components

RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Input Range	Power Supply	Price Each	
				1	5
580-ACA20RM03-RL-C	ACA-20RM-0-AC3-RL-C	199.9mA	85-140Vac	94.00	92.00
580-ACA20RM04-RL-C	ACA-20RM-0-AC4-RL-C	199.9mA	170-264Vac	94.00	92.00
580-ACA20RM13-RL-C	ACA-20RM-1-AC3-RL-C	1.999A	85-140Vac	94.00	92.00
580-ACA20RM14-RL-C	ACA-20RM-1-AC4-RL-C	1.999A	170-264Vac	94.00	92.00
580-ACA20RM23-RL-C	ACA-20RM-2-AC3-RL-C	19.99A	85-140Vac	94.00	92.00
580-ACA20RM24-RL-C	ACA-20RM-2-AC4-RL-C	19.99A	170-264Vac	94.00	92.00
580-ACA20RM43-RL-C	ACA-20RM-4-AC3-RL-C	50.0A	85-140Vac	98.00	96.00
580-ACA20RM44-RL-C	ACA-20RM-4-AC4-RL-C	50.0A	170-264Vac	98.00	96.00
580-ACA20RM53-RL-C	ACA-20RM-5-AC3-RL-C	30.0A	85-140Vac	94.00	92.00
580-ACA20RM54-RL-C	ACA-20RM-5-AC4-RL-C	30.0A	170-264Vac	94.00	92.00

DATEL PANEL METER ACCESSORIES

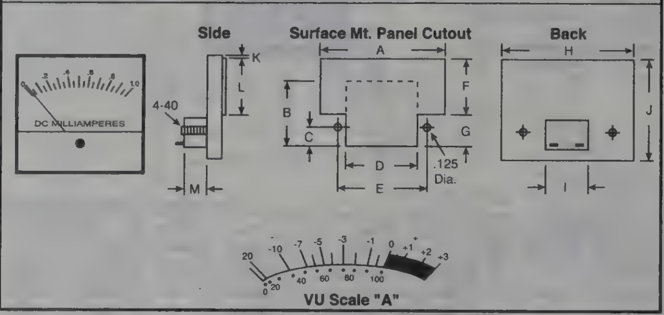
RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Datel Part No.	Description	Price Each	
			1	5
580-DMS-BZL1-C	DMS-BZL1-C	DMS-30/40 bezel assembly	4.00	3.85
580-DMS-BZL2-C	DMS-BZL2-C	DMS-30/40 bezel assembly w/EPDM rubber gasket	6.00	5.85
580-DMS-BZL3-C	DMS-BZL3-C	DMS-20 bezel assembly	4.00	3.85
580-DMS-BZL4-C	DMS-BZL4-C	DMS-20 bezel assembly w/EPDM rubber gasket	6.00	5.85
580-DMS-EB-C	DMS-EB-C	DMS-30/40 multi-purpose application board	14.00	13.75
580-DMS-EB2-C	DMS-EB2-C	DMS-20 multi-purpose application board	14.00	13.75
580-5252-01127-0	5252-01127-0	Additional DMS-20 Retaining Clips	2.33	2.18
580-5252-01126-0	5252-01126-0	DMS-30 Retaining Clip	2.33	2.18
580-5252-01145-0	5252-01145-0	DMS-30 Red Plastic Case	2.33	2.18
580-5252-01130-0	5252-01130-0	DMS-20 Red Plastic Case	2.33	2.18
580-5252-01160-0	5252-01160-0	DMS-30/40PC bezel & filter for red LED meters	7.00	6.68
580-5252-01161-0	5252-01161-0	DMS-20PC bezel & filter for red LED meters	7.00	6.68
580-4652-01101-0	4652-01101-0	DMS-30/40 panel mount adapter plate	.60	.54
580-4652-01100-0	4652-01100-0	DMS-20 panel mount adapter plate	.60	.54

Jewell Instruments MODUTEC PANEL MOUNT ±5% ACCURACY

DIMENSIONS: in.



Meter Size (In.)	Dimensions: in.												
	A	B	C	D	E	F	G	H	I	J	K	L	M
1	1.45	1.14	.330	.950	1.20	.885	.64	1.51	.90	1.59	.06	.846	.50
2	2.32	1.25	.350	1.130	2.00	1.410	.71	2.48	1.10	2.36	.08	1.409	.51
3 1/2	3.58	1.71	.584	2.125	2.50	1.540	1.21	3.73	.94	2.90	.07	1.585	.47

1" Surface Mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Type of Meter	Range	Res. (Ω)	Price Each			
Mfr.	Mfr. Part No.				1	5	10	50
541	OMS-AAA-001	AC Ammeter	0-1	- - -	25.25	23.67	22.09	20.51
541	OMS-AAA-005	AC Ammeter	0-5	- - -	25.25	23.67	22.09	20.51
541	OMS-AAA-010	AC Ammeter	0-10	- - -	25.25	23.67	22.09	20.51
541	OMS-AVV-150	AC Voltmeter	0-150	200/V	24.52	23.36	22.18	21.07
541	OMS-DAA-005	DC Ammeter	0-5	.0002	19.27	18.66	17.53	16.93
541	OMS-DMA-001	DC Milliammeter	0-1	2.3K	20.83	19.53	18.23	16.93
541	OMS-DMA-005	DC Milliammeter	0-5	500	20.83	19.53	18.23	16.93
541	OMS-DMA-010	DC Milliammeter	0-10	244	20.83	19.53	18.23	16.93
541	OMS-DVV-010	DC Voltmeter	0-10	200/V	21.86	20.49	19.13	17.76
541	OMS-DVV-015	DC Voltmeter	0-15	200/V	21.23	20.22	19.21	18.25
541	OMS-DVV-030	DC Voltmeter	0-30	200/V	22.42	21.35	20.28	19.27
541	OMS-DVV-050	DC Voltmeter	0-50	200/V	21.86	20.49	19.13	17.76

2" Surface Mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Type of Meter	Range	Res. (Ω)	Price Each			
Mfr.	Mfr. Part No.				1	5	10	50
541	MSQ-AVU-AW	VU-Type Meter	Vu "A"	- - -	30.04	28.61	27.18	25.82
541	MSQ-DAA-005	DC Ammeter	0-5	.0002	23.57	22.45	21.33	20.26
541	MSQ-DAA-010	DC Ammeter	0-10	.0002	22.99	21.56	20.12	18.68
541	MSQ-DAA-020	DC Ammeter	0-20	.0002	22.99	21.56	20.12	18.68
541	MSQ-DAA-030	DC Ammeter	0-30	.0002	22.99	21.56	20.12	18.68
541	MSQ-DMA-001	DC Milliammeter	0-1	2.3K	22.99	21.56	20.12	18.68
541	MSQ-DMA-1U1	DC Milliammeter	1-0-1	970	22.45	21.78	21.11	20.43
541	MSQ-DVV-015	DC Voltmeter	0-15	200/V	24.11	22.60	21.10	19.59
541	MSQ-DVV-030	DC Voltmeter	0-30	200/V	24.11	22.60	21.10	19.59
541	MSQ-DVV-050	DC Voltmeter	0-50	200/V	24.11	22.60	21.10	19.59

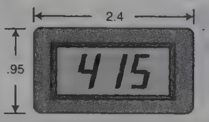
3 1/2" Surface Mount

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Type of Meter	Range	Res. (Ω)	Price Each			
Mfr.	Mfr. Part No.				1	5	10	50
541	MS-AVV-150	AC Voltmeter	0-150	200/V	27.48	25.77	24.05	22.34
541	MS-DAA-005	DC Ammeter	0-5	.0002	24.66	23.92	23.17	22.44
541	MS-DMA-001	DC Milliammeter	0-1	1.1K	25.25	23.67	22.09	20.51
541	MS-DMA-010	DC Milliammeter	0-10	125	24.52	23.35	22.18	21.07
541	MS-DUA-5H5	DC Microammeter	500-0-500	1.1K	26.45	25.19	23.93	22.73
541	MS-DVV-015	DC Voltmeter	0-15	200/V	26.37	24.72	23.07	21.42

BL-100/300/400/500 SERIES 3-1/2 DIGIT LCD METERS

- Surface Mount
- User selectable decimal points
- Choice of 200mV, 2V, 200V, 200uA, 2mA, 20mA, or 200mA input as standard
- Choice of +5VDC, 5VDC, 10-24VDC, 115VAC or 230VAC power options



DIMENSIONS: in.

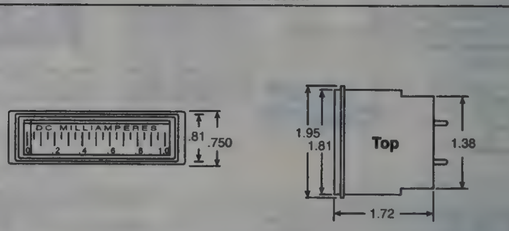
* Backlight Requires 5VDC Power

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Modutec Part No.	Input Range	DC Volt Supply	Display Type	Price Each	
					1	5
541-BL100101	BL-100101-U	200mV	9	No Backlight	69.24	65.95
541-BL-100301	BL-100301-U	200mV	5	No Backlight	71.30	66.85
541-BL-100102	BL-100102-U	2V	9	No Backlight	71.30	66.85
541-BL-30010101	BL-30010101-U	200mV	9	*Positive Green Backlit	82.91	77.73
541-BL-30030101	BL-30030101-U	200mV	5	*Positive Green Backlit	88.54	83.01
541-00-939033-091	13-Pin Connector For Bl-100/300/400/500 Series				4.30	4.04

Jewell Instruments MODUTEC EDGE READING

DIMENSIONS: in.



2" Edge Reading

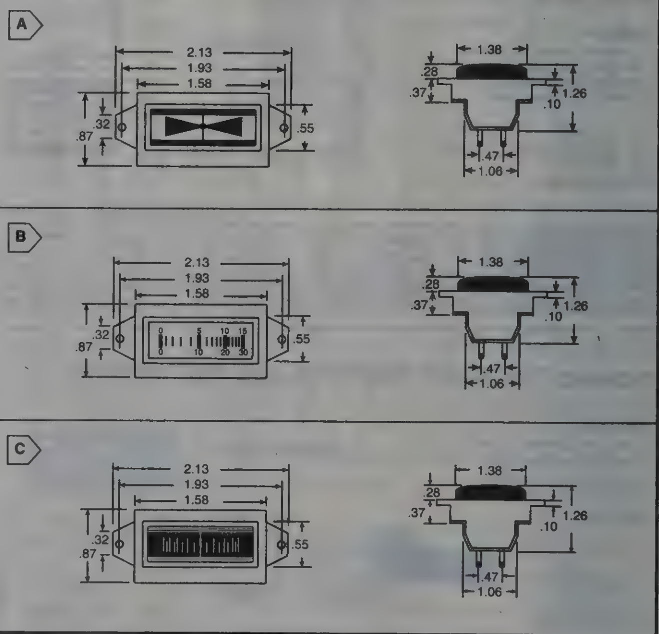
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Type of Meter	Range	Res. (Ω)	Price Each		
Mfr.	Mfr. Part No.				1	5	10
541	ME-DAA-005	DC Ammeter	0-5	.0002	19.62	18.39	17.17
541	ME-DAA-010	DC Ammeter	0-10	.0002	18.64	17.47	16.31
541	ME-DAA-020	DC Ammeter	0-20	.0002	20.63	19.33	18.05
541	ME-DMA-001	DC Milliammeter	0-1	2.3K	20.11	19.15	18.19
541	ME-DUA-5H5	DC Microammeter	500-0-500	1.1K	25.27	24.51	23.76
541	MEDVV-010	DC Voltmeter	0-10	200/V	17.89	17.36	16.82
541	ME-DVV-015	DC Voltmeter	0-15	200/V	19.05	18.14	17.23
541	ME-DVV-030	DC Voltmeter	0-30	200/V	17.89	17.36	16.82
541	ME-DVV-050	DC Voltmeter	0-50	200/V	19.62	18.39	17.16
541	ME-DVV-100	DC Voltmeter	0-100	200/V	17.89	17.36	16.82

XICON DC MINIATURE PANEL AMMETERS

These miniature ammeters are small in size, but highly sensitive. They provide quick legible readings and are extremely durable mechanically.

DIMENSIONS: in.



Edge Reading

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Fig.	Scale	R_{DC} (Ω)	Features	Price Each		
					1	10	25
391-0105	A	Balance	650	Zero Centering	10.45	8.71	7.92
391-0301	B	0-15+0-30	650	Dual Scale	10.45	8.71	7.92
391-0115	C	20-0-20	650	Zero Centering	10.45	8.71	7.92

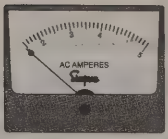
SIMPSON Analog Panel Meters

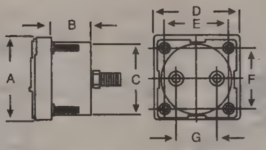
ANALOG PANEL METERS

Features:

- Clear, acrylic window for wide angle visibility
- Rugged black phenolic case
- Black spade pointer for easy distant viewing
- Additional ranges available

Wide-Vue Series





Meter Size	Dimensions: in. A	B	C	D	E	F	G
1-1/2"	1.76	0.86	1.50	1.75	1.31	1.31	1.00
2-1/2"	2.47	1.15	2.17	2.47	1.88	1.88	1.00
3-1/2"	3.25	1.22	2.73	3.25	2.25	2.25	1.50
4-1/2"	4.00	1.20	2.75	4.68	4.00	3.56	1.50

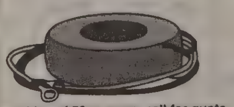
For quantities of 50 or more, call for quote.

Size	1-1/2"				2-1/2"				3-1/2"				4-1/2"			
Range	MOUSER STOCK NO.	Simpson Part No.	Price Each		MOUSER STOCK NO.	Simpson Part No.	Price Each		MOUSER STOCK NO.	Simpson Part No.	Price Each		MOUSER STOCK NO.	Simpson Part No.	Price Each	
			1	10			1	10			1	10			1	10
AC Voltmeter With Iron Vane Movement																
0-10	------	------	-	-	529-09670	09670	78.56	73.65	529-10170	10170	81.28	76.20	529-10270	10270	89.44	83.85
0-25	------	------	-	-	529-09680	09680	78.56	73.65	529-10190	10190	81.28	76.20	529-10290	10290	89.44	83.85
0-150	------	------	-	-	529-09700	09700	97.28	91.20	529-10220	10220	84.16	78.90	529-10320	10320	89.44	83.85
0-300	------	------	-	-	529-09710	09710	78.56	73.65	529-10240	10240	84.16	78.90	529-10340	10340	89.44	83.85
0-500	------	------	-	-	529-09715 ◆	09715	102.24	95.85	529-10250 ◆	10250	106.40	99.75	529-10350 ◆	10350	113.76	106.65
AC Ammeters With Iron Vane Movement																
0-1	------	------	-	-	529-02560	02560	72.48	67.95	529-03130	03130	76.80	72.00	529-03260	03260	80.96	75.90
0-3	------	------	-	-	529-02575	02575	72.48	67.95	529-03160	03160	76.80	72.00	529-03290	03290	80.96	75.90
0-5	------	------	-	-	529-02580	02580	72.48	67.95	529-03170	03170	76.80	72.00	529-03300	03300	80.96	75.90
0-10	------	------	-	-	529-02590	02590	72.48	67.95	529-03180	03180	76.80	72.00	529-03310	03310	80.96	75.90
0-10	------	------	-	-	------	------	-	-	529-35073 ◆◆	35073	76.80	72.00	529-35077 ◆◆	35077	80.96	75.90
0-15	------	------	-	-	529-02599	02599	87.02	82.88	529-03190	03190	76.80	72.00	529-03320	03320	80.96	75.90
0-25	------	------	-	-	529-02609	02609	75.04	70.35	529-03200	03200	79.20	74.25	529-03330	03330	83.36	78.15
0-30	------	------	-	-	529-02615	02615	75.04	70.35	529-03205	03205	79.20	74.25	529-03335	03335	83.36	78.15
0-50	------	------	-	-	529-02619	02619	75.04	70.35	529-35075 ◆◆	35075	92.31	87.91	529-35079 ◆◆	35079	80.96	75.90
0-100	------	------	-	-	529-02622 ◆◆	02622	89.60	84.00	529-03220 ◆◆	03220	76.80	72.00	529-03350 ◆◆	03350	80.96	75.90
0-200	------	------	-	-	529-02626 ◆◆	02626	72.48	67.95	529-03240 ◆◆	03240	76.80	72.00	529-03370 ◆◆	03370	80.96	75.90
0-300	------	------	-	-	529-02627 ◆◆	02627	72.48	67.95	529-03250 ◆◆	03250	76.80	72.00	529-03380 ◆◆	03380	80.96	75.90
DC Voltmeters																
0-10	529-09541	09541	82.88	77.70	529-09560	09560	82.88	77.70	529-09740	09740	83.84	78.60	529-09890	09890	90.56	84.90
0-15	529-09542	09542	82.88	77.70	529-09570	09570	82.88	77.70	529-09750	09750	83.84	78.60	529-09900	09900	112.16	105.15
0-25	529-09543	09543	82.88	77.70	529-09580	09580	82.88	77.70	529-09760	09760	83.84	78.60	529-09910	09910	90.56	84.90
0-30	529-09544	09544	82.88	77.70	529-09590	09590	82.88	77.70	529-09770	09770	83.84	78.60	529-09920	09920	90.56	84.90
0-50	529-09545	09545	102.56	96.15	529-09600	09600	82.88	77.70	529-09780	09780	83.84	78.60	529-09930	09930	90.56	84.90
0-100	529-09546	09546	82.88	77.70	529-09610	09610	82.88	77.70	529-09790	09790	100.70	95.90	529-09940	09940	90.56	84.90
0-150	529-09547	09547	82.88	77.70	529-09620	09620	82.88	77.70	529-09800	09800	83.84	78.60	529-09950	09950	90.56	84.90
0-500	529-09549 ◆	09549	95.52	89.55	529-09640	09640	85.28	79.95	529-09840	09840	88.32	82.80	529-09990	09990	94.56	88.65
Taut Band DC Microammeters																
0-10	------	------	-	-	529-04303	04303	156.80	147.00	529-04359	04359	164.00	153.75	529-04459	04459	175.52	164.55
0-25	529-04602	04602	133.12	124.80	529-04306	04306	136.48	127.95	529-04371	04371	143.04	134.10	529-04471	04471	155.04	145.35
0-100	529-04604	04604	94.56	88.65	529-04321	04321	98.08	91.95	529-04391	04391	101.44	95.10	529-04491	04491	111.68	104.70
DC Microammeters																
0-50	529-04294	04294	99.84	93.60	529-04310	04310	99.20	93.00	529-04380	04380	100.96	94.65	529-04480	04480	108.96	102.15
0-100	529-04295	04295	88.64	83.10	529-04320	04320	89.76	84.15	529-04390	04390	92.64	86.85	529-04490	04490	102.88	96.45
0-200	529-04296	04296	81.76	76.65	529-04330	04330	81.28	76.20	529-04400	04400	85.28	79.95	529-04500	04500	92.64	86.85
25-0-25	529-04298	04298	119.97	114.26	------	------	-	-	529-04420	04420	122.92	117.07	529-04520	04520	109.76	102.90
50-0-50	529-04302	04302	88.64	83.10	529-04350	04350	90.72	85.05	529-04430	04430	93.12	87.30	529-04530	04530	103.84	97.35
100-0-100	529-04300	04300	81.76	76.65	529-04351	04351	82.88	77.70	529-04440	04440	85.92	80.55	529-04540	04540	93.12	87.30
DC Milliameters																
0-1	529-06163	06163	76.16	71.40	529-06175	06175	78.08	73.20	529-06310	06310	79.20	74.25	529-06470	06470	85.28	79.95
0-5	529-06164	06164	76.16	71.40	529-06190	06190	75.86	72.25	529-06330	06330	79.20	74.25	529-06490	06490	85.28	79.95
0-15	529-06166	06166	76.16	71.40	529-06210	06210	93.86	89.39	529-06350	06350	79.20	74.25	529-06502	06502	85.28	79.95
0-25	529-06167	06167	79.84	74.85	529-06220	06220	78.56	73.65	529-06370	06370	82.88	77.70	529-06530	06530	88.96	83.40
0-50	529-06168	06168	79.84	74.85	529-06230	06230	78.56	73.65	529-06380	06380	82.88	77.70	529-06540	06540	88.96	83.40
0-100	529-06169	06169	79.84	74.85	529-06240	06240	78.56	73.65	529-06390	06390	82.88	77.70	529-06550	06550	88.96	83.40
0-200	529-06171	06171	79.84	74.85	529-06260	06260	78.56	73.65	529-06410	06410	82.88	77.70	529-06570	06570	110.08	103.20
0-300	529-06173	06173	79.84	74.85	529-06280	06280	78.56	73.65	529-06430	06430	82.88	77.70	529-06590	06590	88.96	83.40
0-500	529-06174	06174	79.84	74.85	529-06290	06290	78.56	73.65	529-06440	06440	82.88	77.70	529-06600	06600	88.96	83.40
DC Ammeters																
0-1	529-02431	02431	79.84	74.85	529-02440	02440	78.56	73.65	529-02640	02640	82.88	77.70	529-02820	02820	89.44	83.85
0-2	529-02432	02432	98.72	92.55	529-02460	02460	78.56	73.65	529-02660	02660	82.88	77.70	529-02840	02840	89.44	83.85
0-3	529-02433	02433	79.84	74.85	529-02470	02470	78.56	73.65	529-02670	02670	82.88	77.70	529-02850	02850	89.44	83.85
0-5	529-02434	02434	95.89	91.32	529-02480	02480	78.56	73.65	529-02680	02680	99.61	94.87	529-02860	02860	110.72	103.80
0-10	529-02435	02435	79.84	74.85	529-02490	02490	78.56	73.65	529-02690	02690	82.88	77.70	529-02870	02870	89.44	83.85
0-15	529-02436†	02436†	79.84	74.85	529-02500	02500	78.56	73.65	529-02700	02700	82.88	77.70	529-02880	02880	107.54	102.42
0-25	529-02437†	02437†	79.84	74.85	529-02510	02510	78.56	73.65	529-02710	02710	82.88	77.70	529-02890	02890	110.72	103.80
0-50	529-02438†	02438†	79.84	74.85	529-02530	02530	97.28	91.20	529-02730	02730	82.88	77.70	529-02910	02910	110.72	103.80
0-100	------	------	-	-	529-02540 †	02540†	78.56	73.65	529-02740 †	02740†	82.88	77.70	529-02920 †	02920†	89.44	83.85
0-200	------	------	-	-	529-02552 †	02552†	95.00	90.00	529-02760 †	02760†	82.88	77.70	529-02940 †	02940†	89.44	83.85
0-300	------	------	-	-	529-02554 †	02554†	78.56	73.65	529-02770 †	02770†	82.88	77.70	529-02950 †	02950†	89.44	83.85
0-500	------	------	-	-	------	------	-	-	529-02780 †	02780†	82.88	77.70	529-02960 †	02960†	107.54	102.42

◆ Furnished with external multiplier ◆◆ Requires external current transformer † Requires external shunt

PANEL METER ACCESSORIES

Donut AC Current Transformers



For quantities of 50 or more, call for quote.

Use with Simpson analog panel instruments and 5A AC digital indicators requiring external transformers. Transformer is inserted 1 turn primary and includes 2 ft. leads. Reduce high AC current signal to 5A AC output to meter.

Mouser Part No.	Simpson Part No.	Description	Price Each	
			1	10
529-01293	01293	50/5 Amps	33.70	32.02
529-01297	01297	100/5 Amps	33.93	33.93
529-01299	01299	200/5 Amps	33.93	33.93
529-01300	01300	300/5 Amps	33.93	33.93

SHUNTS

- Use with Simpson analog panel instruments and 200mV digital indicators requiring external shunts.
- Convert high DC current signal to 500mV 100mV drop.
- 5 ft. leads included.

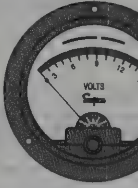
For quantities of 50 or more, call for quote.

Mouser Part No.	Simpson Part No.	Description	Price Each	
			1	10
529-06713	06713	100 Amp 50mV Portable Shunt	45.10	42.85
529-06715	06715	200 Amp 50mV Portable Shunt	45.10	42.85
529-06506	06506	300 Amp 50mV Switchboard Shunt	46.93	46.93
529-06508	06508	500 Amp 50mV Switchboard Shunt	68.80	65.36

SIMPSON Analog Panel Meters, Counters, and Encoders

ANALOG PANEL METERS

Features:
- Meters have phenolic with glass windows
- UL recognized
- Addition ranges available.
  Call for sizes and ranges not shown.



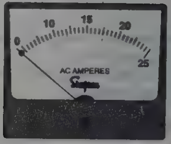
Round Panel Meters

Meter Size	Dia. (In.)	Depth (In.)	Cutout Dia. (In.)
2-1/2"	2.69	2.09	2.18
3-1/2"	3.50	2.11	2.75

Size	2-1/2"				3-1/2"			
Range	MOUSER STOCK NO.	Simpson Part No.	Price Each 1	Price Each 10	MOUSER STOCK NO.	Simpson Part No.	Price Each 1	Price Each 10
AC Voltmeters								
0-10	------------	------------	-	-	529-08420	08420	81.28	76.20
0-15	------------	------------	-	-	529-07430	08430	83.84	78.60
0-100	------------	------------	-	-	529-08460	08460	81.28	76.20
AC Ammeters								
0-1	529-02100	02100	72.48	67.95	------------	------------	-	-
0-3	------------	-	-	-	529-00980	00980	76.80	72.00
0-5	529-02140	02140	72.48	67.95	529-00990	00990	92.31	87.91
0-10	529-02150	02150	72.48	67.95	529-01001	01001	76.80	72.00
0-15	529-02160	02160	72.48	67.95	------------	------------	-	-
0-25	529-02170	02170	72.48	67.95	529-01020	01020	79.20	74.25
0-50	529-02190	02190	72.48	67.95	529-01040	01040	79.20	74.25
0-100	529-02210	02210 ◆◆	72.48	67.95	529-01060	01060 ◆◆	76.80	72.00
0-300	------------	------------	-	-	529-01100	01100 ◆◆	76.80	72.00
DC Voltmeters								
0-5	------------	------------	-	-	529-07080	07080	83.84	78.60
0-10	529-08890	08890	82.88	77.70	529-07100	07100	100.70	95.90
0-15	529-08900	08900	82.88	77.70	------------	------------	-	-
0-25	------------	------------	-	-	529-07120	07120	83.84	78.60
0-50	529-08930	08930	82.88	77.70	529-07140	07140	83.84	78.60
0-100	529-08940	08940	82.88	77.70	529-07150	07150	83.84	78.60
DC Ammeters								
0-10	529-01510	01510	97.28	91.20	529-00060	00060	82.88	77.70
0-25	529-01530	01530	78.56	73.65	------------	------------	-	-
0-50	529-01550	01550	78.56	73.65	529-00099	00099	82.88	77.70
0-100	529-01570	01570 ◆	78.56	73.65	------------	------------	-	-
DC Milliammeters								
0-1	529-05580	05580	78.08	73.20	529-04610	04610	79.20	74.25

◆ Requires external shunt ◆◆ Requires external current transformer

Century Panel Meters



Meter Size	Dia. (In.)	Width (In.)	Depth (In.)	Cutout Dia. (In.)
2-1/2"	2.34	2.38	2.01	2.16
3-1/2"	3.00	3.00	2.04	2.69

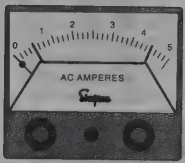
Size	2-1/2"				3-1/2"			
Range	MOUSER STOCK NO.	Simpson Part No.	Price Each 1	Price Each 10	MOUSER STOCK NO.	Simpson Part No.	Price Each 1	Price Each 10
AC Voltmeters								
0-10	529-17685	17685	78.56	73.65	------------	------------	-	-
0-15	529-17686	17686	78.56	73.65	------------	------------	-	-
0-25	529-17687	17687	78.56	73.65	529-17728	17728	81.28	76.20
0-50	529-17688	17688	78.56	73.65	529-17729	17729	81.28	76.20
0-150	------------	------------	-	-	529-17731	17731	84.16	78.90
AC Ammeters								
0-1	529-17665	17665	72.48	67.95	529-17695	17695	76.80	72.00
0-3	529-17667	17667	72.48	67.95	------------	------------	-	-
0-5	529-17668	17668	72.48	67.95	529-17699	17699	95.04	89.10
0-10	529-17669	17669	72.48	67.95	529-17700	17700	76.80	72.00
0-15	529-17670	17670	72.48	67.95	529-17701	17701	76.80	72.00
0-25	529-17671	17671	74.88	70.20	529-17702	17702	79.20	74.25
0-50	529-17673	17673	74.88	70.20	529-17704	17704	79.20	74.25
0-100	529-17674	17674 ◆◆	72.48	67.95	529-17706	17706 ◆◆	76.80	72.00
0-150	------------	------------	-	-	529-17707	17707 ◆◆	76.80	72.00
DC Voltmeters								
0-5	529-17445	17445	82.88	77.70	529-17525	17525	83.84	78.60
0-10	529-17446	17446	82.88	77.70	529-17527	17527	83.84	78.60
0-15	529-17447	17447	82.88	77.70	529-17528	17528	83.84	78.60
0-25	529-17448	17448	82.88	77.70	529-17529	17529	83.84	78.60
0-50	529-17450	17450	82.88	77.70	529-17531	17531	103.68	97.20
0-100	529-17451	17451	82.88	77.70	529-17532	17532	83.84	78.60
DC Ammeters								
0-1	529-17400	17400	78.56	73.65	529-17475	17475	82.88	77.70
0-10	529-17405	17405	78.56	73.65	529-17480	17480	102.56	96.15
0-15	529-17406	17406	78.56	73.65	529-17481	17481	82.88	77.70
0-25	529-17407	17407	78.56	73.65	529-17482	17482	82.88	77.70
0-50	529-17409	17409	78.56	73.65	------------	------------	-	-
0-100	529-17410	17410 ◆	78.56	73.65	529-17485	17485	82.88	77.70
DC Milliammeters								
0-1	529-17430	17430	78.08	73.20	------------	------------	-	-
0-25	529-17436	17436	78.56	73.65	529-17516	17516	82.88	77.70
0-50	------------	------------	-	-	529-17517	17517	82.88	77.70

◆ Requires external shunt ◆◆ Requires external current transformer

RUGGED SEAL CONTROLLERS

Metal cased "Rugged Seal" construction withstands rigorous environmental conditions. DPDT relay contacts for each control point rated at 5 amps. 115VAC. Fail safe circuitry opens relays in event of power failure. Meter power is 108-132VAC, 50-400Hz. Call for other available sizes and ranges

Meter Size	Dia. (In.)	Width (In.)	Depth (In.)	Cutout Dia. (In.)
2-1/2"	2.34	2.38	2.01	2.16
3-1/2"	3.00	3.00	2.04	2.69



For quantities of 50 or more, call for quote.

Mouser Part No.	Simpson Part No.	Range	Description	Price Each 1	Price Each 10
529-21619	21619	0-50DCuA	3-1/2" Dual Setpoint	558.08	523.20
529-21665	21665	0-50DCV	3-1/2" Single Setpoint	418.56	392.40
529-21677	21677	0-5ACA	4-1/2" Single Setpoint	482.40	452.25
529-21680	21680	0-150ACV	4-1/2" Single Setpoint	448.96	420.90
529-21637	21637	0-5ACA	4-1/2" Dual Setpoint	596.80	559.50

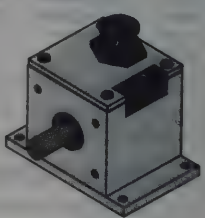
S660 SERIES FREQUENCY COUNTERS

Features:
- Accepts count rates up to 20kHz (S664-36kHz)
- Four presets, Two outputs
- Field replaceable relay cards
- 6 digit, 0.56" (14 2mm) bright red display
- Rugged 1/8" DIN case, NEMA 4X IP66
- 120 VAC power

Mouser Part No.	Simpson Part No.	Input	Relay	Price Each
Totalizer				
529-S660-1-1-0-0-0	S660-1-1-0-0-0	Pulse	None	179.00
529-S660-1-1-2-0-0	S660-1-1-2-0-0	Pulse	Two Relays	221.50
529-S660-1-1-2-1-0	S660-1-1-2-1-0	Pulse	Two Relays	248.00
Rate				
529-S661-1-1-0-0-0	S661-1-1-0-0-0	Pulse	None	179.00
529-S661-1-1-2-0-0	S661-1-1-2-0-0	Pulse	Two Relays	221.50
529-S661-1-1-2-1-0	S661-1-1-2-1-0	Pulse	Two Relays	248.00
Batch/Dual Counter				
529-S662-1-1-0-0-0	S662-1-1-0-0-0	Pulse	None	211.00
529-S662-1-1-2-0-0	S662-1-1-2-0-0	Pulse	Two Relays	253.50
529-S662-1-2-2-1-0	S662-1-2-2-1-0	Quadrature	Two Relays	301.00
Rate/Totalizer				
529-S663-1-1-0-0-0	S663-1-1-0-0-0	Pulse	None	211.00
529-S663-1-1-2-0-0	S663-1-1-2-0-0	Pulse	Two Relays	253.50
529-S663-1-1-2-1-0	S663-1-1-2-1-0	Pulse	Two Relays	280.00
529-S663-1-2-2-1-0	S663-1-2-2-1-0	Quadrature	Two Relays	301.00
Frequency Counter				
529-S664-1-1-0-0-0	S664-1-1-0-0-0	Pulse	None	147.79
529-S664-1-1-0-1-0	S664-1-1-0-1-0	Pulse	None	168.50
529-S664-1-2-0-1-0	S664-1-2-0-1-0	Quadrature	None	189.50

SE ENCODER AND ACCESSORIES

Features:
- Rugged Industrial - Chrome Steel Bearings
- Operation Indication LED's
- Maximum Signal Transfer,
  Sealed Gold-Plated Connectors
- Application Flexibility
  Base Flange, Cube Style Body,
- Double Ended,
  Flat Keyed 3/8" Shaft
- Supply Power 12-28 VDC

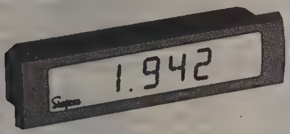


Mouser Part No.	Simpson Part No.	Pulses per Revolution	Price Each
Encoders			
529-SE-100	SE-100	50	141.93
529-SE-120	SE-120	100	141.93
529-SE-360	SE-360	120	141.93
529-SE-600	SE-600	360	141.93
Charriot			
529-46012	46012	-	108.53

SIMPSON Digital Panel Meters

MINI M135 & M145 INDICATORS

Features:
- 3/64 DIN Indicator
- Minimum depth indicator less than 0.7" (17mm) of space required behind the panel.
- 3 1/2 or 4 1/2 digit LCD display with optional negative image red backlight.
- Snaps right into panel - no mounting hardware required.
- 12 pin mating connector with 6" lead wires included for easy installation.



MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
DC Voltage Indicators				
529-M13500110	M135-0-0-11-0	200mV	Non-Backlit	64.80
529-M13500120	M135-0-0-12-0	2V	Non-Backlit	64.80
529-M13510121	M135-1-0-12-1	2V	Backlit	86.40
529-M13500130	M135-0-0-13-0	20V	Non-Backlit	64.80
529-M13510131	M135-1-0-13-1	20V	Backlit	86.40
529-M13500140	M135-0-0-14-0	200V	Non-Backlit	64.80
529-M13510141	M135-1-0-14-1	200V	Backlit	86.40
529-M14500110	M145-0-0-11-0	200mV	Non-Backlit	85.40
529-M14510111	M145-1-0-11-1	200mV	Backlit	107.00
529-M14500120	M145-0-0-12-0	2V	Non-Backlit	85.40
529-M14510121	M145-1-0-12-1	2V	Backlit	107.00

MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
DC Voltage Inductors (cont.)				
529-M14500130	M145-0-0-13-0	20V	Non-Backlit	85.40
529-M14510141	M145-1-0-14-1	200V	Backlit	107.00
DC Current Indicators				
529-M13500230	M135-0-0-23-0	20mA	Non-Backlit	64.80
529-M13510231	M135-1-0-23-1	20mA	Backlit	86.40
529-M13500240	M135-0-0-24-0	200mA	Non-Backlit	64.80
529-M13510241	M135-1-0-24-1	200mA	Backlit	86.40
529-M14500230	M145-0-0-23-0	20mA	Non-Backlit	85.40
529-M14510231	M145-1-0-23-1	20mA	Backlit	107.00
529-M14510241	M145-1-0-24-1	200mA	Backlit	107.00

MINI-MAX SERIES 3/64 DIN INDICATORS

Features:
- 3/64 DIN cutout (22mm x 68mm)
- Unique mounting bracket allows stacking of multiple meters.
- 3-1/2 (M235) or 4-1/2 (M245) digit LCD display with optional negative red backlighting
- Screw terminal connectors for easy installation.

MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
DC Voltage Indicators				
529-M23500110	M235-0-0-11-0	200mV	Non-Backlit	97.30
529-M23510110	M235-1-0-11-0	200mV	Backlit	118.90
529-M23500130	M235-0-0-13-0	20V	Non-Backlit	97.30
529-M23510130	M235-1-0-13-0	20V	Backlit	118.90
529-M24500130	M245-0-0-13-0	20V	Non-Backlit	129.70
529-M24510130	M245-1-0-13-0	20V	Backlit	151.30
529-M24500140	M245-0-0-14-0	200V	Non-Backlit	129.70
529-M24510140	M245-1-0-14-0	200V	Backlit	151.30
DC Current Indicators				
529-M23500240	M235-0-0-24-0	200mA	Non-Backlit	97.30
529-M23510240	M235-1-0-24-0	200mA	Backlit	118.90
529-M23500250	M235-0-0-25-0	2A	Non-Backlit	97.30
529-M23510250	M235-1-0-25-0	2A	Backlit	118.90
AC TRMS Voltage Indicators				
529-M23500310	M235-0-0-31-0	200mV	Non-Backlit	135.40
529-M23510310	M235-1-0-31-0	200mV	Backlit	157.00
529-M23510320	M235-1-0-32-0	2V	Backlit	157.00

MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
AC TRMS Voltage Indicators (cont.)				
529-M23510330	M235-1-0-33-0	20V	Backlit	157.00
529-M23500340	M235-0-0-34-0	200V	Non-Backlit	135.40
529-M23510340	M235-1-0-34-0	200V	Backlit	157.00
529-M24500330	M245-0-0-33-0	20V	Non-Backlit	167.80
529-M24510330	M245-1-0-33-0	20V	Backlit	189.40
529-M24500340	M245-0-0-34-0	200V	Non-Backlit	167.80
529-M24510340	M245-1-0-34-0	200V	Backlit	189.40
AC TRMS Current Indicators				
529-M24510460	M245-1-0-46-0	5A	Backlit	189.40
DC Process Indicators				
529-M23500710	M235-0-0-71-0	4-20mA	Non-Backlit	113.70
529-M23510710	M235-1-0-71-0	4-20mA	Backlit	135.30
529-M24500710	M245-0-0-71-0	4-20mA	Non-Backlit	146.10
529-M24510710	M245-1-0-71-0	4-20mA	Backlit	167.70
Frequency Indicators				
529-M23500810	M235-0-0-81-0	20-199.9Hz	Non-Backlit	97.30
529-M23510810	M235-1-0-81-0	20-199.9Hz	Backlit	118.90

FALCON F35 & F45 INDICATORS

Features:
- 1/8 DIN Indicators
- 3-1/2" or 4-1/2" digit bright red LED display
- Front panel pops off for easy decimal point setting and display scaling
- Only 3.12" (79mm) required behind panel
- Screw terminal connectors for easy installation
- Optional excitation output

MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
AC Current Indicators				
529-F351450	F35-1-45-0	2A	None	151.40
529-F351460	F35-1-46-0	5A	None	151.40
529-F451460	F45-1-46-0	5A	None	244.60
AC TRMS Current Indicators				
529-F351650	F35-1-65-0	2A	None	184.30
529-F351660	F35-1-66-0	5A	None	184.30
529-F451650	F45-1-65-0	2A	None	277.50
529-F451660	F45-1-66-0	5A	None	277.50
DC Process Indicators				
529-F351710	F35-1-71-0	4-20mA	None	147.80
529-F351711	F35-1-71-1	4-20mA	12VDC	147.80
529-F351720	F35-1-72-0	1-5V	None	147.80
529-F451710	F45-1-71-0	4-20mA	None	206.50
529-F451711	F45-1-71-1	4-20mA	12VDC	265.20
529-F451712	F45-1-71-2	4-20mA	24VDC	265.20
529-F451720	F45-1-72-0	1-5A	None	206.50
Temperature Indicators				
529-F451800	F45-1-80-0	J TC	None	206.50
529-F451810	F45-1-81-0	K TC	None	206.50
DC Voltage Indicators				
529-F351110	F35-1-11-0	200mV	None	113.30
529-F351130	F35-1-13-0	20V	None	113.30
529-F351140	F35-1-14-0	200V	None	113.30
529-F351150	F35-1-15-0	750V	None	113.30

MOUSER STOCK NO.	Simpson Part No.	Input	Display	Price Each
DC Voltage Indicators (cont.)				
529-F451110	F45-1-11-0	200mV	None	206.50
529-F451140	F45-1-14-0	200V	None	206.50
DC Current Indicators				
529-F351220	F35-1-22-0	2mA	None	113.30
529-F351230	F35-1-23-0	20mA	None	113.30
529-F351240	F35-1-24-0	200mA	None	113.30
529-F351250	F35-1-25-0	2A	None	113.30
529-F451230	F45-1-23-0	20mA	None	206.50
529-F451240	F45-1-24-0	200mA	None	206.50
529-F451250	F45-1-25-0	2A	None	206.50
AC Voltage Indicators				
529-F351310	F35-1-31-0	200mV	None	151.40
529-F351330	F35-1-33-0	20V	None	151.40
529-F351350	F35-1-35-0	750V	None	151.40
529-F451310	F45-1-31-0	200mV	None	244.60
529-F451330	F45-1-33-0	20V	None	244.60
529-F451340	F45-1-34-0	200V	None	244.60
529-F451350	F45-1-35-0	750V	None	244.60
AC TRMS Voltage Indicators				
529-F351540	F35-1-54-0	200V	None	184.30
529-F351550	F35-1-55-0	750V	None	184.30
529-F451540	F45-1-54-0	200V	None	277.50
529-F451550	F45-1-55-0	750V	None	277.50

AC TO DC CURRENT TRANSDUCERS

Features:
- Reduces high AC current signal to 4-20mA DC signal
- Use with Simpson digital process meters
- 24VDC power required

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-37002	37002	100A/4-20mA	268.20

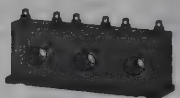
TERMINAL TYPE AC CURRENT TRANSFORMERS

Features:
- Use with Simpson 5AAC digital indicators requiring external current transformers
- Reduce high AC current to 5AAC output to meter
- Screw terminals for easy connection

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-37020	37020	100/5 Amp	30.30
529-37021	37021	150/5 Amp	30.30
529-37023	37023	300/5 Amp	30.30

SIMPSON Digital Panel Meters and Test Equipment

GIMA POWER METERING SYSTEM



Features:
- Four Model Types Designed to fit a Wide Range of Applications
- One Meter to Measure All Your Values
- DIN (96 x 96mm) Case Needing Only 2.80" (71mm) Behind the Panel
- Easy Installation - Software Detection/Correction of Wiring Errors
- Wide Backlit LCD Display for Easy Viewing
- Easy and Safe to Use - Four Keys Select All Parameters

A three-phase terminal style current transformer can be used with all the GIMA three-phase meters. Simpson's three-phase current transformer can be used to monitor AC current when the current level is too high for the meter. The current transformer is equipped with terminals to permit easy connection to the GIMA units. These terminals are #8-32 brass studs and come with a flatwasher, lockwasher, and a regular nut (leads are not provided).

A modbus module adds multi-drop serial communications to any GIMA meter. The device uses a high speed microprocessor to extract information from the meter and interface to an industry standard modbus system.

An Analog output module adds four DC 2-20 mA analog to any GIMA meter. All outputs are isolated from the metering elements to provide safe connection to external systems.

	G100	G200	G300	G400
Phase Amps	•	•	•	•
Phase Volts	•	•	•	•
Line Volts	•	•	•	•
Per Phase PF	•	•	•	•
Per Phase kW	•	•	•	•
Per Phase kvar			•	•
Per Phase KVA				•
3 Phase PF	•	•	•	•
3 Phase kW	•	•	•	•
3 Phase kvar				•
Frequency	•	•	•	•
kWh		•	•	•
Capacitive kvarh			•	•
Inductive kvarh			•	•
Total kvarh			•	•
Import kVah				•
Current Demand	•	•	•	•
Voltage Demand	•	•	•	•
kW Demand			•	•
Peak Amps				•
Peak Phase Volts				•
Peak Current Demand	•	•	•	•
Peak Voltage Demand	•	•	•	•
Neutral Current				•

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-G1001110	G100-1-1-1-0	GIMA 100-120/208V Input	450.40
529-G1001310	G100-1-3-1-0	GIMA 100-277/480V Input	450.40
529-G2001110	G200-1-1-1-0	GIMA 200-120/208V Input	502.40
529-G2001210	G200-1-2-1-0	GIMA 200-120/240V Input	502.40
529-G2001310	G200-1-3-1-0	GIMA 200-277/480V Input	502.40
529-G2001410	G200-1-4-1-0	GIMA 200-63/110V Input	502.40
529-G3001110	G300-1-1-1-0	GIMA 300-120/208V Input	554.40
529-G3001310	G300-1-3-1-0	GIMA 300-277/480V Input	554.40
529-G4001110	G400-1-1-1-0	GIMA 400-120/208V Input	629.20
529-G4001310	G400-1-3-1-0	GIMA 400-277/480V Input	629.20
Current Transformers			
529-37026	37026	50:5 Three-Phase	86.20
529-37027	37027	100:5 Three-Phase	86.20
529-37028	37028	150:5 Three-Phase	86.20
529-37029	37029	200:5 Three-Phase	86.20
529-37030	37030	300:5 Three-Phase	86.20
Option Modules			
529-46240	46240	Standard Modbus	208.00
529-46241	46241	All Value Modbus	286.00
529-47130	47130	Analog Output	306.10

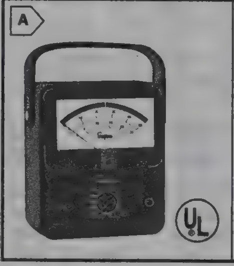
HAWK 3 SERIES CONTROLLER

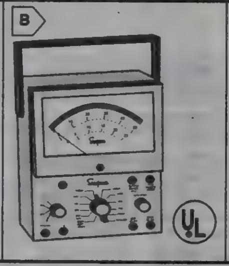
Features:
- 1/8 DIN and 3.24" depth behind panel.
- 7 segment, bright red 3-1/2 or 4-1/2 display.
- 120 VAC power, optional 9-36 VDC power
- All Parameters set from front panel
- Screw terminal connectors fir easy installation
- Peak/Valley and password lockout
- Optional plug-in output and excitation cards
- Optional plug-in of 1, 2, or 4, 5 Amp relay cards
- Other available ranges and configurations available.
- For more information call Mouser

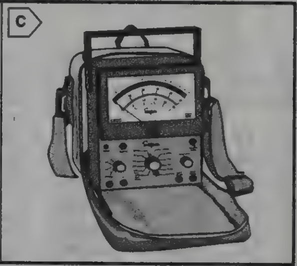
MOUSER STOCK NO.	Simpson Part No.	Input	Description	Price Each
529-H335111020	H335111020	200 mVDC input, 2 relays	3-1/2 Digit	228.10
529-H335113020	H335113020	20 VDC input, 2 relays	3-1/2 Digit	228.10
529-H335134020	H335134020	200 VAC input, 2 relays	3-1/2 Digit	266.20
529-H335146020	H335146020	5 AAC input, 2 relays	3-1/2 Digit	266.20
529-H335171020	H335171020	4-20 mADC input, 2 relays	3-1/2 Digit	228.10
529-H345271140	H345271140	4-20mADC input, 4-20mA output, 4 relays	4-1/2 Digit	402.73
529-H345271640	H345271640	4-20mADC input, RS-485 output, 4 relays	4-1/2 Digit	462.47
529-H345246141	H345246141	5AAC input, 4-20mA output, 4 relays, 12 VDC excitation	4-1/2 Digit	478.95

260 SERIES ANALOG METERS AND ACCESSORIES

Features:
- Accuracy and rugged construction guarantee superior lab and field performance
- More than 20 measuring ranges for DC volts, AC volts, DC current, Resistance, dB, and AC current to 250A with Model 150-2 Amp Clamp accessory.
- Large color-coded dial with mirrored scale.
- Excellent for monitoring fluctuating trends and rates.
- Includes test leads and batteries.

A


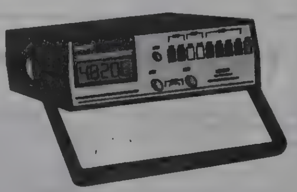
B


C


MOUSER STOCK NO.	Simpson Part No.	Fig.	Description	Price Each
529-12388	12388	A	260-8 General Purpose	247.16
529-12391	12391	A	260-8P Relay Protected	329.44
529-12389	12389	A	260-8RT Roll-Top Case	272.57
529-12392	12392	A	260-8PRT Relay Protected with Roll-Top Case	332.02
529-12395	12395	B	260-8Xi Yellow Case	245.38
529-12396	12396	B	260-8XPi Yellow Case Relay Protected	366.75
529-12397	12397	C	260-9S Safety VOM with Case	338.00
529-12398	12398	C	260-9S Safety VOM overload protection, w/ Case	364.00
Carrying Cases for 260-Series				
529-00832	00832		Yellow Padded Nylon	56.20
529-00248	00248		Roll-Top Case	58.60
529-00805	00805		Hard Leatherette, Front Load Case	70.40
529-45028	45028		Molded Plastic Case	75.70
Test Leads				
529-00043	00043		Reverse Banana (260-8, 8P, 8RT, 8PRT)	17.90
529-00125	00125		Standard Banana (260-8Xi, 260-8XPi)	17.90
529-00545	00545		150-2 Amp Clamp (260-8, 8P, 8RT, 8PRT)	110.20
529-00541	00541		150-2 Amp Clamp (260-8xl, 260-8XPi)	122.40

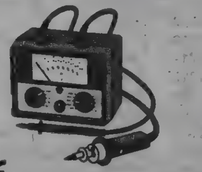
444 LOW VOLTAGE MICRO-OHMMETER

Features:
- Measures from 1 Micro-Ohm to 20 Ohms
- 20,000 Count 4 1/2-Digit LCD
- 2 Measurement Methods: AC Pulse and DC Polarity Switching
- 8"Punch-Through" Prevention by 100 V Max. Test Voltage
- User-Adjustable, Low-Resistance Alarm
- AC Test Mode Cancels Offset Voltages and Thermocouple Effects
- Includes Ni-Cad Battery for Field Use and Test Leads
- Relative Humidity: 90% maximum up to 35°C, 70% maximum up to +50°C (non-condensing)
- Temperature Coefficient: 0.1 times the applicable accuracy specification per °C (0° to 18°C and 28° to 50°C)
- Battery Voltage Effect: Plus or Minus (0.15% of input) Fully charged to "B" annunciator displayed
- Battery Life: 8 hours typical
- Rated Circuit-To-Ground Voltage: 30V (RMS)
- Dimensions: 2.7" x 8.4" x 9.0" (68 x 213 x 228 mm) nominal
- Weight: Approximately 3 lbs.



MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-12681	12681	444 Micro-Ohmmeter 120V	1655.55
529-45028	45028	Black Molded Plastic Case	75.70

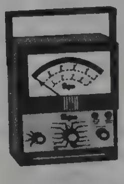
501 INSULATION TESTER AND ACCESSORIES



Features:
- Five test voltages, 50, 100, 250, 500, and 1000 VDC
- Voltage measurements to 2000V AC/DC
- Battery powered with test and charge indicator
- Test probe signal lamp illuminates work area and indicates pass/fail insulation resistance.
- Includes built-in test probes, and alligator clip, and leatherette carrying case and batteries.

MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-12501	12501	Model 501, 1000 Volt Insulation Tester	845.00

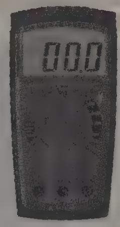
228 LEAKAGE CURRENT TESTER AND ACCESSORIES



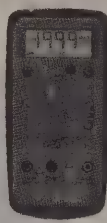
Features:
- True RMS readings
- Reads in Measurement Indication Units (MIU) up to 0.005 MIU
- Output allows measurement of peak current in non-sinusoidal wave forms
- Let-Go, reaction, and burn hazard response networks
- Detects dangerous AC & DC leakage currents
- Includes test leads, alligator clips, batteries, and manual

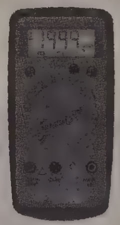
MOUSER STOCK NO.	Simpson Part No.	Description	Price Each
529-40027	40027	228 Leakage Current Tester	635.43
Accessories			
529-00125	00125	Test Leads with Screw-On Alligator Clips	17.90

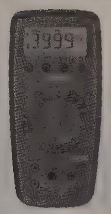
AMPROBE Test Tools

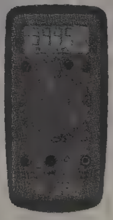
A


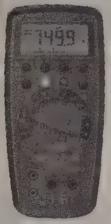
B

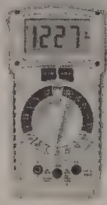
C


D


E


F


G


H


I

J

K

AMPROBE MULTIMETERS

MOUSER STOCK NO.		Fig.	DCV Accuracy %	Ranging	Display LCD	Volts AC/DC	Current	Resistance (Ω)	Battery Test	Cap	Frequency	Safety Rating CAT III	Diode/ Continuity	Temp.	Warranty	Price Each
Mfr.	Part Number															
569—	DM7C	A	1.5	Manual	2000	600/600	250mA	2M	Yes	No	No	No	Yes	No	1 Year	27.95
569—	DM9C	B	1.5	Auto	4000	600/600	10A	40M	Yes	No	No	600V	Yes	No	1 Year	39.95
569—	5XP-A	C	1.0	Manual	2000	750/1000	200mA	20M	Yes	No	No	300V	Yes	No	1 Year	39.95
569—	15XP-A	D	0.5	Auto	2000	750/1000	2A	2000M	No	No	Yes	300V	Yes	No	1 Year	59.95
569—	30XR-A	E	1.0	Manual	6000	600/600	10A	20M	Yes	No	No	300V	Yes	No	1 Year	59.95
569—	35XP-A	F	0.5	Auto	4000	750/1000	2A	40M	No	Yes	Yes	300V	Yes	Yes	1 Year	79.95
569—	33XR-A	E	0.7	Manual	6000	750/1000	10A	4M	No	Yes	Yes	600V	Yes	Yes	1 Year	89.95
569—	34XR-A	E	0.5	Auto	6000	750/1000	10A	40M	No	Yes	Yes	600V	Yes	Yes	3 Years	109.95
569—	37XR-A	G	0.1	Auto	10000	750/1000	10A	40M	No	Yes	Yes	600V	No	No	3 Years	129.95
569—	38XR-A	G	0.25	Auto	10000	750/1000	10A	40M	No	Yes	Yes	1000V	Yes	Yes	3 Years	149.95
569—	HD110C	H	0.1	Manual	2000	1000/1500	2A	20M	No	No	No	1000V	Yes	No	1 Year	189.95
569—	HD160C	I	0.1	Auto	10000	1000/1500	2A	40M	No	Yes	Yes	1000V	Yes	Yes	1 Year	299.95
569—	AM-240	J	0.1	Auto	4000	600V	10A	Yes	Yes	Yes	Yes	600V	Yes	Yes	1 Year	49.95
569—	AM-160-TRMS	K	0.1	Auto	50000	1000V	10A	Yes	Yes	Yes	Yes	1000V	Yes	Yes	1 Year	349.95

A

B

C

D

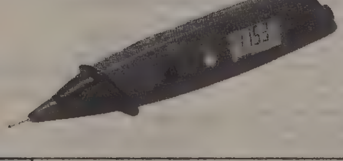
E

AMPROBE CLAMP METERS

MOUSER STOCK NO.		Fig.	DCV Accuracy %	Ranging	Display LCD	Volts AC/DC	Current AC/DC	Resistance (Ω)	Data Hold	Diode Test	Frequency	Safety Rating CAT III	Auto Off	Temp.	Warranty	Price Each
Mfr.	Part Number															
569—	AD40B	A	1.9	Auto	4000	No	400A/-	No	Yes	No	No	600V	Yes	No	1 Year	59.95
569—	AC40B	B	1.0	Auto	4000	600/600	400A/-	400	Yes	No	No	600V	Yes	No	1 Year	79.95
569—	AC75B	C	0.9	Auto	4000	750/1000	600A/4mA	40M	Yes	Yes	No	600V	Yes	Yes	1 Year	129.95
569—	AC68C	D	0.75	Auto	4000	750/1000	600A/600A	4k	Yes	Yes	Yes	300V	Yes	No	1 Year	199.95
569—	ACD-6-PRO	E	2.0	Auto	4000	600V	1000A	Yes	Yes	Yes	Yes	600V	Yes	Yes	1 Year	69.95
569—	ACD-6-TRMS-PRO	E	2.0	Auto	4000	600V	1000A	Yes	Yes	Yes	Yes	600V	Yes	Yes	1 Year	89.95

AMPROBE PEN PROBE

Model DM73C



Features:

- Resistance to 34MΩ
- Continuity beeper
- Includes alligator clip ground test lead and spare probe tip (1/2" and 3" probe tips)
- 3400 count digital display plus analog bargraph
- Auto power off
- UL 3111-1 approved, meets EN61010-1
- One Year Warranty

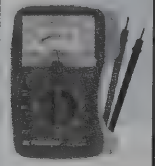
Specifications:

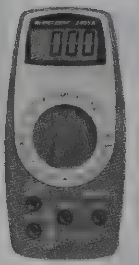
- 600 VAC and 600 VDC ranges
- Improved dc basic accuracy 0.5%
- CAT III 300V safety rated
- CAT II 600V safety rated
- Overload Protection

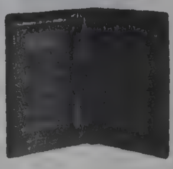
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
569—	DM73C	Pen-Type DMM	49.95
569—	VC11	Vinyl Carry Case	5.73

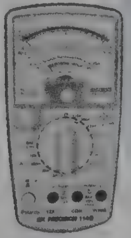
B&K PRECISION Multimeters

DIGITAL MULTIMETERS

A


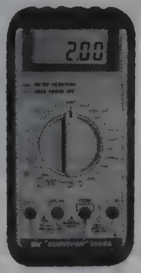
B


C


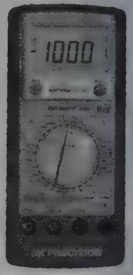
D


E

F

G


H

Model 391A Shown


I

MOUSER STOCK NO.	BK Precision Part No.	Fig.	DCV Accuracy	Ranging	Display LCD	Analog Bar Graph	Data Hold	Memory	Cap	Frequency	Logic	Tran Gain	Temp.	Auto Off	Warranty	Price Each
615-117B	117B	A	5	Manual	Analog	No	No	No	No	No	No	No	No	No	1 Year	20.95
615-2405A	2405A	B	2	Manual	2000	No	No	No	No	No	Yes	No	No	No	1 Year	28.00
615-2700	2700	C	1.3	Auto	3200	Yes	Yes	No	No	No	No	No	No	Yes	1 Year	36.00
615-114B	114B	D	3	Manual	Analog	No	No	No	No	No	No	Yes	No	No	1 Year	40.00
615-2703B	2703B	E	0.5	Manual	3 1/2	No	No	No	No	No	No	No	No	No	1 Year	40.00
615-2408	2408	B	1.2	Manual	2000	No	Yes	No	No	No	Yes	No	No	No	1 Year	46.50
615-2407A	2407A	B	1.2	Auto	3200	Yes	Yes	No	No	No	Yes	No	No	Yes	1 Year	56.50
615-2704B	2704B	E	0.5	Manual	3 1/2	No	No	No	Yes	No	No	Yes	No	No	1 Year	60.00
615-2706A	2706A	E	0.5	Manual	3 1/2	No	No	No	Yes	No	No	Yes	Yes	No	1 Year	81.00
615-2707A	2707A	E	0.5	Manual	3 1/2	No	No	No	Yes	Yes	Yes	Yes	No	No	1 Year	91.00
615-330B	330B	F	1	Manual	3 1/2	No	No	No	No	No	No	No	No	Yes	1 Year	97.50
615-350B	350B	F	1	Manual	3 1/2	Yes	Yes	No	No	Yes	No	No	No	Yes	1 Year	160.00
615-369B	369B	F	1	Auto	3 1/2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	1 Year	195.00
615-2860A	2860A	G	0.5	Manual	3 1/2	No	No	No	No	No	No	No	No	Yes	5 Years	102.00
615-388B	388B	H	0.5	Manual	4000	No	No	No	Yes	Yes	Yes	Yes	No	Yes	3 Years	130.00
615-389A	389A	H	0.25	Auto	4000	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	3 Years	150.00
615-390A	390A	H	0.1	Auto	4000	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	3 Years	170.00
615-391A	391A	H	0.05	Manual	4 1/2	No	Yes	No	No	Yes	Yes	No	No	Yes	3 Years	190.00

BK PRECISION DMM ACCESSORIES

MOUSER STOCK NO.	BK Precision Part No.	Description	Price Each
615-TL-130A	TL-130A	General Purpose DMM Kit Includes soft, flexible silicone lead wire easy movement and Tri-Fold Velcro Pouch for convenient storage.	43.62
615-TL-50	TL-50	Maxi-Pro DMM Kit is voltage and current rated for either electronic or electrical applications. All components compliant to IEC61010-031	67.60
615-1943991	194-039-9-001	Fuse for DMM 2703-2707	5.34
615-1944191	194-041-9-001	Fuse for DMM 2860	5.20
615-1944391	194-043-9-001	Fuse for DMM 388-391	5.20
615-1944491	194-044-9-001	Fuse 2A for DMM's	5.20
615-1944591	194-045-9-001	Fuse 0.5A for DMM 389-391	2.67
615-2001	TL-1	Standard test leads, economical replacement test leads, TL-1 has safety shrouded banana plugs	8.32
615-2002	TL-2A	Deluxe test lead set, IEC61010 1000V CATIII rating silicone lead wire length 60" black alligator clip included. Threaded tips fits TL-3	20.00
615-2003	TL-3	Probe Accessory kit black and red pairs alligator clip, red only spring hook clips 4" sharp extension tips No. 10 spade lugs	16.00
615-2103	CP-3	DC/AC current clamp adapter Converts any DMM to a current clamp, measures current without disconnecting circuit under test to 400A DC/AC	86.00
615-2129B	LC-29B	DMM case, light weight, durable Cordura nylon, protects your instruments, room to hold your test leads	20.69
615-2144	HV-44A	High-voltage probe/meter 0-40,000V	111.98

BK PRECISION BENCH MULTIMETERS

4 1/2 Digit True RMS Bench Digital Multimeter

The model 2831D provides versatility and reliability for a broad spectrum of laboratory and service applications.

Features:
- True RMS for accurate interpretation of any waveform signal
- 4 1/2 Digit LED display for clear reading in darkest environment
- Great overload protection on all ranges
- Voltage measurements up to 1200VDC and 1000VAC
- Current measurements up to 20A AC/DC
- Basic accuracy for DCV is 0.05%

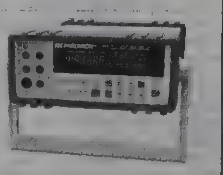
B&K Part Number 2831D

615-2831D	True RMS Bench Digital Multimeter	299.00

5 1/2 Digit Dual Display Bench DMM with 0.012% Basic Accuracy

Applications:
The Dual Display Multimeter model 5492 is a 5 1/2 digit multimeters with selectable count resolutions up to 120,000 count. It is designed for bench-top, field service, and system applications with a high performance to price ratio. One set of TL 36 Test Leads and AC 01 caps for TL 36 are included with each 5492.

Features:
- Selectable count resolutions of 120,000, 40,000 and 4,000 count
- Selectable 2 wire and 4 wire resistance measurements
- Measure frequency to 1MHz with 0.01Hz best resolution
- RS-232 interface



B&K Part Number 5492

615-5492	715.00

Bench LCR/ESR Meter with Component Tester

Applications:
The B&K Precision Model 889 Synthesized In-Circuit LCR/ESR Meter is a high accuracy test instrument used for measuring inductors, capacitors and resistors with a basic accuracy of 0.2%. Also, with the built-in functions of DC/AC Voltage measurements and Diode/Audible Continuity checks, the Model 889 can not only help engineers and students to understand the characteristic of electronics components but also being an essential tool on any service bench.

B&K Part Number 889A

615-889A	1382.46

SLA BATTERY CAPACITY ANALYZERS

Battery Capacity Analyzers tests Lead Acid Batteries and displays the batteries stored charge capacity as a percentage and displays both the loaded and un-loaded battery voltage. Models **601** and **602** can also display the battery under test s internal resistance. These units identify batteries, which may be defective or deteriorated. They are perfect tools for testing battery back up systems for emergency lighting, alarm, sprinkler systems, UPS devices and any system using lead acid batteries to provide power.

Model 601:
- Works with 6V and 12V lead acid batteries
- Settable AH from 1 to 100 in 1AH steps
- Powered by the battery being tested

Model 602:
- Works with 24V and 36V (42V) lead acid batteries
- Settable AH from 1 to 100 in 1AH steps
- Powered by the battery being tested

615-601	6 & 12V SLA Battery Capacity Analyzer	410.00
615-602	24 & 36V (42V) SLA Battery Capacity Analyzer	415.00

BK PRECISION BATTERY CAPACITY ANALYZER

Applications:
The need for battery maintenance tools is growing for use in Automotive, Field Service and Maintenance, Telecommunications, and UPS Manufacturing/Maintenance applications. The model 600 is the perfect instrument for anyone working with UPS systems, Emergency back-up Flood Lights, Home and Business Security Alarm Systems, or for any applications using a 12 volt lead acid battery.

Specifications:
- Measures both No Load Voltage and Battery Capacity
- Displays storage capacity of 12V lead acid batteries as a percentage
- Great for testing back up batteries for UPS, security, emergency flood light systems
- Ideal for automotive, UPS maintenance, and telecommunication applications
- Powered by battery under test
- One year warranty

B&K Part Number 600

615-600	309.00

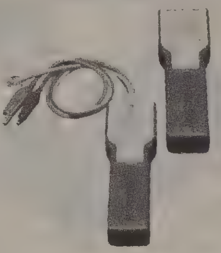
MODEL 262 TONE GENERATOR AND CABLE TRACER KIT

The model 262 is a kit that combines the B+K Precision model 260 Tone Generator and model 261 Cable Tracer.

Features:

Cable Tracer model 261:
- Hi-gain, Hi-impedance amplifier
- Capable of identifying tones up to 12 inches away (under ideal conditions)
- Rugged, moisture resistant, Mylar cone speaker
- One year warranty

Cable Tracer model 261:
- Hi-gain, Hi-impedance amplifier
- Capable of identifying tones up to 12 inches away (under ideal conditions)
- Rugged, moisture resistant, Mylar cone speaker
- One year warranty



B&K Part Number 262

615-262 71.00

CAPACITANCE METER

The Model 810C Capacitance Meter is a compact capacitance meter, designed for accurate measurement of capacitive components. It features direct plug-in test sockets and test lead jacks. A zero adjustment knob is also provided to "zero" test lead capacitance.

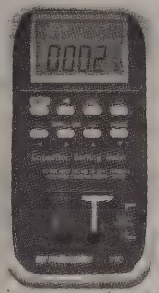
Features:
- Zero adjustment knob
- Capacitor test sockets
- Fuse protected
- Protective rubber boot
- One year warranty

B&K Part Number 810C

615-810C 81.00

CAPACITANCE METER

Features:
- 10 automatically selected ranges with full scale value from 0.1pF to 50mF
- Dual display simultaneously displays value and deviation from selected tolerance
- Sort on preset tolerance of 1, 5, 10%
- Program unique values to sort for specific circuit applications
- One year warranty

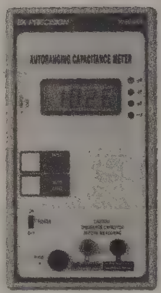


B&K Part Number 890

615-890B 134.00

AUTO RANGING CAPACITANCE METER

Features:
- 3 1/2 digit LCD display
- Measures capacitance to 199.9 mF
- 2 ranges from 199.9 pF to 199.9 mF
- One year warranty



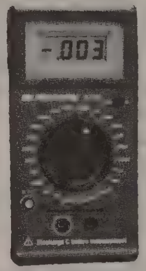
B&K Part Number 830A

615-830B 289.00

LCR METER

Features:
- Measures capacitance, resistance, and inductance
- Measures dissipation factor of capacitor and 1/Q of inductors
- 3 1/2 digit LCD display
- Three year warranty

Specifications:
- 200μH - 200H
- 200pF - 20mF
- 2-20MΩ
- 1% accuracy

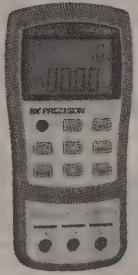


B&K Part Number 875B

615-875B 195.00

DUAL-DISPLAY HAND-HELD LCR BRIDGE WITH STATISTICAL FUNCTIONS

Features:
- Measures capacitance, resistance, and inductance
- Measures dissipation factor of capacitors and Q of inductors
- Simultaneously displays measured value and Q or dissipation factor
- Tolerance mode "beeps" to indicate measured components outside a 1%, 5%, or 10% tolerance around a reference value
- Two selectable test frequencies (120Hz, 1kHz)
- Auto or manual ranging
- One year warranty



B&K Part Number 878A

615-878 249.00

DELUXE DUAL DISPLAY AUTO RANGING LCR METER

The 879 measures capacitance, resistance (of non-inductive components) and inductance. Components can be measured with selectable test frequencies in series or parallel modes as desired. The 4 1/2 digit main LCD displays values to 19,999, and the secondary 3 digit 1,000 count display reads D or Q.

Features:
- Selectable test frequencies 100Hz, 120Hz, 1KHz, 10KHz
- Simultaneously displays measured component value and Q or Dissipation Factor (D)
- Display hold
- Relative mode
- Tolerance mode
- Backlight
- RS 232 Interface (cable and software required)

BK PRECISION

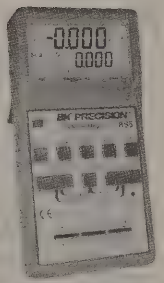
B&K Part Number 879

615-879 299.00

SYNTHESIZED IN-CIRCUIT LCR/ESR METER

The 885 in-circuit LCR/ESR meter is the first handheld meter of this kind on the market. It was designed for both component evaluation on the production line and fundamental impedance for bench-top applications.

Features:
- Measurement parameters: Z., L , C, DCR, ESR, D, Q, and Ø
- Test conditions: 100 Hz, 120 Hz, 1 Khz, 10 Khz, 1 Vrms, 0.5 Vrms, 0.05 Vrms
- Dual LCD Display, SMD surface mount tweezer probe included, includes manual, SMD probe, 2 AA Ni-Mh batteries, AC adapter, shorting bar and software
- Two year warranty



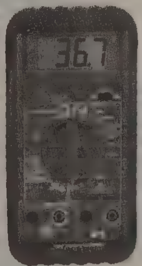
B&K Part Number 885

615-885 565.00

HAND-HELD COMPONENT TESTER

Capacitance meter (0.1 pF to 20 mF) and ohm ,meter (0.1 ohm to 20M ohm) also tests: transistors, beta, diodes, SCR's, LED's and batteries.

Features:
- Large 0.8" digit, high contrast LCD readout
- 25 user ranges for versatile test selection
- Tests resistance from 0.1Ω through 20MΩ
- Tests transistors, SCRs, diodes, and LEDs
- Tests batteries under actual loaded conditions
- 5 foot drop-proof, heavy duty case
- Tilt stand for benchtop use
- Weight: 11.6 oz. (326g)
- One year warranty
- Supplied: test lead; spare fuse; AC power adapter



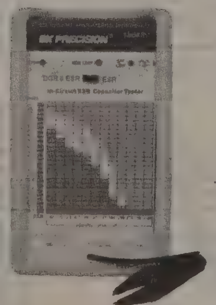
B&K Part Number 815

615-815 102.00

IN-CIRCUIT DCR & ESR TESTER

The **In-circuit** ESR & DCR capacitor tester is specially designed to measure ESR (equivalent Series Resistance) on capacitors in the range of 0.47μF to 2200μF, in or out of circuit. The ability to trouble shoot in-circuit saves time and makes the 881 a must for anyone that test or trouble shoots printed circuit boards.

Features:
- 100KHz Output test frequency
- 15mVp-p Output test voltage (will not turn on any solid-state devices)
- Automatically discharges the capacitor under test
- Microprocessor controlled
- One-handed tweezer test probe included
- One year warranty



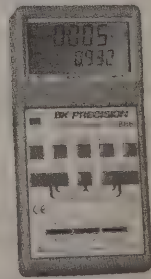
B&K Part Number 881

615-881 205.00

SYNTHESIZED IN-CIRCUIT LCR/ESR METER W/100KHZ TEST FREQUENCY

The Model 886 Synthesized In Circuit LCR/ESR Meter is the first handheld meter of this type on the market, with a wide range of test frequencies up to 100kHz and many measurement parameters including Z, L, C, DCR, ESR, D, Q, and Ø. The 886 is designed for both component evaluation on the production line and fundamental impedance testing for bench top applications. With a built in direct test fixture, you can test the lead components very easily. The optional 4 wire test clip can give a convenient connection to larger components and assemblies with the accuracy of 4 wire testing. The LCR meters offer fast, reliable, and versatile testing at low cost, making the 886 the most advanced handheld LCR meters available today.

Features:
- Measurement parameters: Z, L, C, DCR, ESR, D, Q, and O
- Test conditions: 100Hz, 1kHz, 10kHz, 100kHz, 1 Vrms, 0.25rms, 0.05Vms
- 0.5% basic accuracy
- Dual LCD display
- SMD surface mount tweezer probe included
- Very quick response, user friendly
- Fully auto/manual selection
- DC resistance measurement
- Rechargeable battery/AC powered
- Infrared RS232 interface capability
- Two year warranty



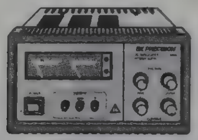
B&K Part Number 886

615-886 785.00

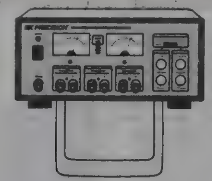
B&K PRECISION Power Supplies

BK PRECISION

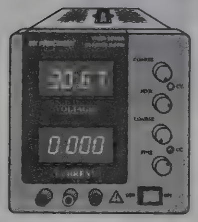
DC POWER SUPPLIES



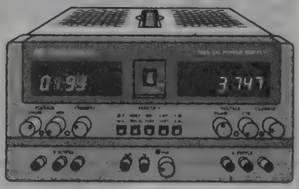
Single Output
615-1620A



Triple Output Analog
615-1651A



LED Readout
615-1735A



Triple Output Digital
615-1760A

B&K-PRECISION power supplies provide the versatility and reliability required for a broad spectrum of laboratory and service applications. They are ideal for use in engineering, industrial service shop, lab, and school applications. Each power supply is built for continued stability and accuracy over a wide range of operating conditions.

BK PRECISION SINGLE OUTPUT DC POWER SUPPLIES

Model 1620A

Features:

- Output voltage: 0-18V
- Output current: 0-5A
- Constant voltage/constant current operation
- Continuously monitor voltage and current output on two meters
- One year warranty

B&K Part Number 1620A

615-1621A	Digital Display	229.00

Model 1626A and 1627A

Features:

- Output voltage: 0-30V
- Output current: 0-3A
- Constant voltage/constant current operation
- Fully overload protected
- One year warranty

B&K Part Number 1626A & 1627A

615-1626A	Analog display	229.00
615-1627A	Digital display	245.00

Model 1710A and 1711A

Features:

- Output voltage: 0-30V
- Output current: 0-1A
- Constant voltage/constant current operation
- Analog display
- Two year warranty

B&K Part Number 1710A & 1711A

615-1710A	0-30V, 0-1A	249.00
615-1711A	0-60V, 0-2A	329.00

Model 1730A and 1735A

Features:

- Output voltage: 0-30V
- Output current: 0-3A
- Constant voltage/constant current operation
- Operate continuously at full load w/o overheating
- Two year warranty
- Coarse and Fine Voltage Controls

B&K Part Number 1730A & 1735A

615-1730A	Analog display	329.00
615-1735A	Digital display	409.00

Model 1740A

Features:

- Output voltage: 0-60V
- Output current: 0-4A
- Constant voltage/constant current operation
- Operate continuously at full load w/o overheating
- Two year warranty

B&K Part Number 1740A

615-1740A	Analog display	539.00

Model 1743B

Features:

- Output voltage: 0-35V
- Output current: 0-6A
- Constant voltage/constant current operation
- 3-digit LED
- Operate continuously at full load w/o overheating
- Two year warranty

B&K Part Number 1743B

615-1743B	Digital display	539.00

BK PRECISION TRIPLE OUTPUT DC POWER SUPPLIES

Model 1760A

Features:

- Two 0-30VDC, 2A sections capable of independent, series or parallel operation
- One 4-6.5VDC, 5A section
- Switchable series/parallel operation 30V sections
- Adjustable current limit controls 30V sections
- Two 3 digit LED displays:
  one reads volts or amps of "B" supply
  one reads volts or amps of "A" supply
  or 4V-6.5V supply
- Unique variable tracking, B track A at 5% to 100%
- Two year warranty

B&K Part Number 1760A

615-1760A	659.00

BK PRECISION COMPACT TRIPLE OUTPUT

Model 1651A and 1652

Features:

- Two 0-24VDC outputs (0.5A)
- One fixed 5V output (4A)
- Independent or tracking operation
- Adjustable current limiting
- Designed to operate continuously at rated output
- Overload protection: short circuit, overvoltage, and reverse polarity
- Connect outputs in series for higher voltage output or in parallel for higher current output (switch selectable)
- One year warranty

B&K Part Number 1651A & 1652

615-1651A	Analog display	449.00
615-1652	Digital display	459.00

BK PRECISION TRIPLE OUTPUT

Model 1670A

Features:

- Output voltage: 0-30V @ 3A; 12V and 5V @ 0.5A Fixed
- Two Digital LCD Displays
- Overload protection
- One year warranty

B&K Part Number 1670A

615-1670A	195.00

BK PRECISION HIGH CURRENT

Model 1686A

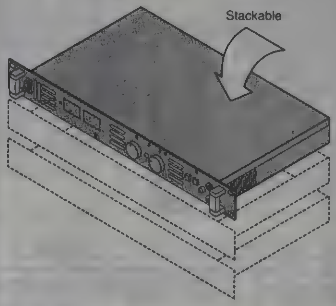
Features:

- 3-14VDC output
- 12A guaranteed, 12A typical @ 13.8V
- Overload protection: short circuit, overvoltage, and reverse polarity
- Thermostatically controlled cooling fan
- Thermal protection
- Operates continuously at full load without overheating
- Connect two in parallel for more current
- Connect two in series for higher voltage
- One year warranty

B&K Part Number 1686A

615-1686A	205.00

BK PRECISION HIGH POWER SWITCHING DC POWER SUPPLIES



The VSP Power Supply series utilizes modern switch mode technology to produce high-power, low-noise switching supplies that cost around twenty five percent less than linear supplies with the same power.

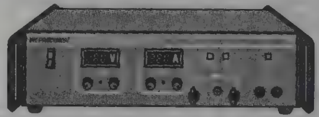
Features:

- Provides 1.2 kilowatts at 20V, 40V, 60V and 120V output voltages (output voltages vary between different models)
- Compact 1U (1.75 in by 19" rack mountable chassis) is just at home on a bench as it is in a Rack
- Up to nine units can be cascaded, producing more than 10 kilowatts of DC power
- Front-to-back air flow allows full power operation without space between supplies
- Output on/off switch on front of unit
- RS 232 interface
- Specification also apply to corresponding GPIB model (Add GPIB to the model number for a GPIB interface instead of a RS232 interface. Example: 615-VSP6020GPIB)

B&K Part Number VSP6020, VSP2050, VSP4030, VSP12010

615-VSP6020	0-60V, 0-20A	1775.00
615-VSP2050	0-20V, 0-50A	1775.00
615-VSP4030	0-40V, 0-30A	1775.00
615-VSP12010	0-120V, 0-10A	1775.00

BK PRECISION HIGH CURRENT DC POWER SUPPLIES



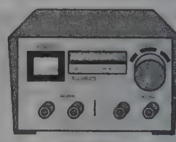
A cost effective, high power, regulated DC power supplies. Linear high current DC power supplies suitable for bench operation or standard 19" rack operation. These linear power supplies are a high power workhorse that will easily deliver clean power to your high current circuits.

Features:

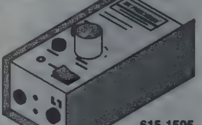
- Constant voltage/constant current operation
- Remote programming facility
- Facility for presetting the output voltage and max.
- Load current limits
- Separate DC output ON/OFF switch
- Remote sensing facility
- High stability and close regulation ±0.01%
- Meet CE specifications

615-1790	0-32V, 0-20A	1395.00
615-1791	0-64V, 0-10A	1395.00
615-1794	0-32V, 0-30A	1695.00
615-1795	0-64V, 0-15A	1695.00
615-1796	0-16V, 0-50A	1695.00

BK PRECISION SCHOOL POWER SUPPLIES



615-1504



615-1505

Applications:

- Education – Used in technical school demonstrate electrical theory
- Design – Used in circuit design to power up circuits.
- Service – Used to power up circuit boards under repair.
- Maintenance – Used to verify operations for set-up or repair equipment.
- Manufacturing – Used as part of the manufacturing process to verify operation parameters of design equipment.
- Quality control – Used for final testing equipment.

Model 1501-Dual Voltage High Current Battery Eliminator

Features:

- Output voltage: 1.8V-3.0V , 3.5V-4.5V @ 3A
- One year warranty

B&K Part Number 1501

615-1501	105.09

Model 1504-Heavy Duty Battery Eliminator

Features:

- Output voltage: 0-12V , 12VAC @ 400mA, 500mA
- One year warranty

B&K Part Number 1504

615-1504	114.24

Model 1520-Universal Power Supply

Features:

- Output voltage: 0-5V @ 3A , 8V+-@ 250mA, 125V+-@ 10mA, 6.3VAC @ 3A (AC)
- One year warranty

B&K Part Number 1520

615-1520	235.00

Model 1502-Compact 12VAC/DC Power Supply

Features:

- Output voltage: 0-12V, 12V @ 500mA
- One year warranty

B&K Part Number 1502

615-1502	166.26

Model 1505-20V DC Regulated Power Supply

Features:

- Output voltage: 0-20V, @ 500mA
- One year warranty

B&K Part Number 1505

615-1505	164.09

Model 1503-12V AC/DC Power Supply

Features:

- Output voltage: 0-12V, @ 5A
- Dual analog display
- One year warranty

B&K Part Number 1503

615-1503	255.09

Model 1511-Discharge Tube Power Supply

Features:

- Output voltage: 0-20V @ 5A , 0-80V @ 10A, 0-500V @ 10A
- Digital display
- One year warranty

B&K Part Number 1511

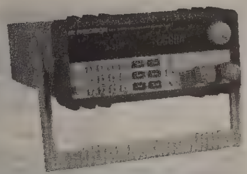
615-1511	830.00

ACCESSORIES

MOUSER STOCK NO.	BK Precision Part No.	Description	Price Each
Power Supply Leads			
615-TL-5A	TL-5A	5 Amp Hook-up Leads	10.06
615-TL-30	TL-30	30 Amp Hook-up Leads	13.97

BK PRECISION 300W PROGRAMMABLE DC ELECTRONIC LOAD

The model 8500 is an affordable full-featured Programmable Electronic DC Load with a high degree of accuracy and great display resolution. They are great units for DC Power Supply and DC-DC Converter testing and calibration. Because the are fully programmable via the RS 232 or optional USB interface they are ideal for Automated Test Systems.



Features:

- Operates Between 0-120VDC, 1mA-30A (300W MAX)
- High Resolution 0.1mA/1mV (range dependent)
- VFD Display
- CV/CC/CW/CR Operation
- Over-Current/Over-Voltage/Over-Power/Over-Temperature Protected
- RS 232 Interface Cable and Software Included
- Optional USB Interface Available (order IT-E132)
- Thermostat Controlled Internal Fan
- Connect multiple units together in either parallel or series to increase power rating

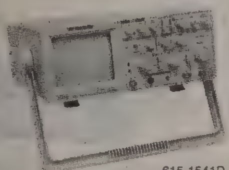
615-8500	DC Electronic Load	1025.00
615-IT-E132	USB Interface Kit	48.00

BK PRECISION ANALOG OSCILLOSCOPES

30MHz Dual-Trace

Specifications:

- 1 mV/div sensitivity X5 mag
- Dual or single trace operation
- Calibrated 19 step time base with x10 magnifier
- Compact low-profile design
- AUTO/NORM triggered sweep operation with AC, TVH, TVV, and line coupling
- Two year warranty



615-1541D

B&K Part Number 2120B

615-2120B	549.00

30MHz Analog Oscilloscope

Specifications:

- Delayed sweep in 23 steps
- 1 mV/div sensitivity X5 mag
- Dual or single trace operation
- Calibrated 19 step time base with x10 magnifier
- Compact low-profile design
- AUTO/NORM triggered sweep operation with AC, TVH, TVV, and line coupling
- Three year warranty

B&K Part Number 5105A

615-2125A	546.00

40MHz Dual-Channel

Specifications:

- 1 mV/div sensitivity X5 mag
- 19 calibrated sweeps
- Video sync separators
- X10 sweep mag
- Three year warranty

B&K Part Number 1541D

615-1541D	799.00

60MHz Dual-Trace

Specifications:

- 1 mV/div sensitivity X5 mag
- Sweep to 5ns/div
- 23 calibrated ranges - main time base
- 19 calibrated ranges - delayed time base
- Signal delay line
- Component tester
- V mode-displays two signals unrelated in frequency
- Z axis input
- Single sweep
- Beam finder
- UNCAL indicators
- Three year warranty

B&K Part Number 2160A

615-2160A	1099.00

100MHz Dual-Trace Dual Time Base

Specifications:

- 1mV/division sensitivity X5 mag
- Sweeps to 5ns/division
- 22 calibrated ranges, main time base
- Signal delay line
- 19 calibrated ranges on delayed time base
- Channel 1 output
- 15kV accelerating voltage
- Three year warranty

B&K Part Number 2190B

615-2190B	1599.00

OSCILLOSCOPE ACCESSORIES

MOUSER STOCK NO.	BK Part No.	Description	Price Each
615-23701	PR-37AG	Probe gray	47.84
615-23702	PR-37AR	Probe red	47.84
615-PR-50	PR-50	3 Piece probe kit: probes x1, x100, and x1/x10 switchable. With sprung hook, replacement tip, ground lead and BNC adapter	110.00

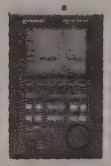
BK PRECISION HANDHELD SPECTRUM ANALYZERS

- Channel power measurement
- Adjacent channel power measurement
- Occupied bandwidth measurement
- Electric field strength measurement (with optional dipole antennas)
- Magnetic field strength measurement (with optional PR 26M)
- Min/Max hold
- Average & over write mode
- Marker measurement
- Switchable 50Ω or 75Ω input impedance
- Peak search
- Auto tuning
- Auto range
- Save/Load
- Hard copy of display (with optional PT 2650)

There are many accessories available for both the 2650 & 2658. Some of them may be necessary for your application, so please view the available accessories before ordering. Included accessories are BC 2650, LC 2650, BP 2650, accessory pouch, fuse & instruction manual.

3.3GHz Analyzer

The 2650 is a compact, lightweight & inexpensive unit ideal for testing W-CDMA, CDMA, GSM, PDC, PHS, Wireless LAN and Bluetooth systems.



B&K Part Number 2650

615-2650	4950.00

8.5GHz Analyzer

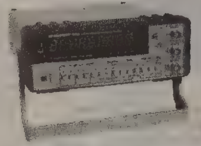
NEW FROM SUPPLIER

The 2658 is a compact, lightweight & inexpensive unit that is ideal for testing many "high frequency" applications. Designed to analyze the "new wave" of wireless signals, including GPS, 802.11a, 3G, ultra-wideband, and WiMAX. The 2658 provides excellent performance and function for many different applications

B&K Part Number 2658

615-2658	10395.00

BK PRECISION COUNTERS



615-1823A

615-1856D

175 MHz Universal Counter

The model 1823 provides versatility and reliability for a broad spectrum of laboratory and service applications.

Specifications:

- Measures up to 175MHz
- Eight-digit display provides up to 0.1 Hz resolution
- Period mode combines two input frequencies & displays their ratio
- Totalize mode and Time interval mode add versatility
- Selectable attenuators and low-pass filter prevent miscounts due to input point
- One year warranty
- Supplied: instruction manual

B&K Part Number 1823A

615-1823A	449.00

3.5GHz Frequency Counter
(Frequency, Period, Totalize)

The model 1856D provides versatility and reliability for a broad spectrum of laboratory and service applications.

Specifications:

- RS232 Interface
- Wide measuring range up to 3.5GHz
- Bright nine digit LED display
- Period mode for accurate low frequency measurement
- Totalize mode permits counting of individual events
- Accurate TCXO time base
- One Year Warranty
- Supplied: Instruction Manual

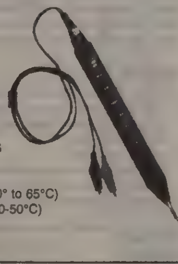
B&K Part Number 1856D

615-1856D	515.00

BK PRECISION 20 MHZ LOGIC PROBE DP-21

Features:

- Tests TTL, and CMOS
- Displays pulse presence and logic states
- Memory mode "freezes" pulse display



Specifications:

- Frequency Response: DC to 20 MHz
- Minimum detectable pulse width: 30nS
- Power supply protection: +20V
- Operating supply voltage: 4 to 18V
- Storage temperature: -4° to 149°F (-20° to 65°C)
- Operating temperature: 32° to 122°F (0-50°C)
- One Year Warranty

B&K Part Number DP-21

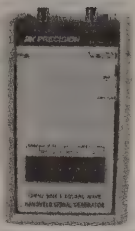
615-2100	38.70

BK PRECISION SIGNAL GENERATORS

Hand Held Battery Operated 10MHz Sine & Square Wave Generator

Features:

- 0.1 Hz to 9.9999999 MHz Sine/Square Wave Signal Generator
- Simultaneous Sine and Square wave generation
- 0.1 Hz Frequency Selectability
- 0.02% Signal Accuracy
- Sine Wave Output – 0 to 4.5Vp-p (no load)
- Square Wave Output – 5Vp-p (no load)
- 50Ω output impedance

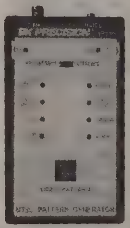


B&K Part Number 3003

615-3003	205.00

Handheld NTSC Generator

This handheld NTSC Pattern Generator is powered by a 9 volt battery or AC adapter providing NTSC color bars, crosshatch, dot, staircase, circle, center cross, windows, and a full range of color raster patterns. The outputs available are composite video via RCA connector, a RF output BNC connector, or an S Video mini-DIN output. Signals can be produced as an interlaced or progressive scanning mode.



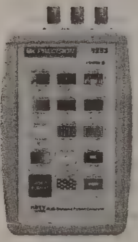
Features:

- S Video, composite video, RF output
- Interlace or progressive scanning system
- 9VDC battery (included)
- AC adapter available
- One year warranty

B&K Part Number 1211E

615-1211E	239.00

Handheld HDTV Pattern Generator



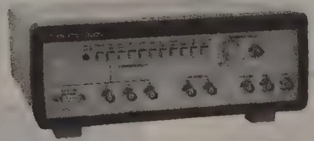
Features:

- Made in the U.S.A.
- Lightweight and portable
- Ideal for on-the-bench and in-the-field testing
- High-quality BNC to RCA interface cable included
- One year warranty

B&K Part Number 1253

615-1253	625.00

NTSC Color Generator



The 1249B is ideal for comprehensive testing, servicing and adjustment of video and television equipment, television receivers, video tape recorders, video monitors, closed circuit television systems and components, and ts. master antenna systems and components.

Features:

- NTSC color bar pattern, ±5 and ±5 IEEE units
- CH 3, CH 4, and IF outputs crystal controlled
- Calibrated 1Vpp or variable composite video output
- RGB outputs on BNC or 9 pin D connector
- Composite sync, vertical sync, and horizontal sync outputs
- Interlaced or progressive scan 30 Hz signal is provided for isolation of servo problems in VCR's

B&K Part Number 1249B

615-1249B	599.00

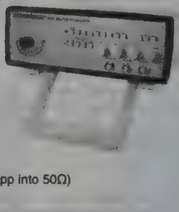
B&K PRECISION Test Equipment

BK PRECISION FUNCTION GENERATORS

B&K Precision offers a full-range of function generators so you can choose the generator best suited for your own activity or applications. The line consists of a variety of high performance generators including function, sweep/function, RF, and audio. All are rugged lab-grade instruments capable of satisfying a variety of engineering, testing, and service situations. Each has been engineered for high-reliability and user operating convenience.

2MHz Function Generator

B&K Part Number 4010A



Features:

- 0.2Hz-2MHz in 7 ranges
- Sine, square, triangle, pulse, and ramp output
- Variable duty cycle
- Variable DC offset
- Variable amplitude output plus 20dB attenuator
- 20Vpp output into open circuit (10Vpp into 50Ω)
- Two year warranty

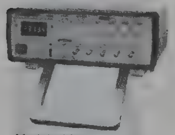
615-4010A	259.00

3MHz Sweep Function Generators

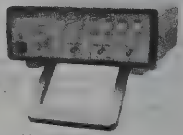
B&K Part Number 4001 & 4003

Features:

- TTL output <25nS (model 615-4003)
- TTL output <30nS (model 615-4001)
- Voltage control generator (VCG) input
- 100% DC offset
- 5 digit display (model 615-4003)
- Variable amplitude output plus 20dB attenuator
- One year warranty



Model 4003

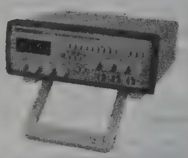


Model 4001

615-4001	3MHZ with Dial	205.00
615-4003A	3MHZ with 5 Digit Display	269.00

5MHz Function Generator with Digital Display

B&K Part Number 4011A



Features:

- 0.5Hz-5MHz
- Sine, square, triangle, pulse, and ramp output
- Coarse and fine tuning
- 4 digit LED display
- Variable duty cycle
- Variable DC offset
- Two year warranty

615-4011A	Function Generator	325.00
615-4012A	Sweep Function Generator	365.00

10MHz Sweep/Function Generator

B&K Part Number 4017A

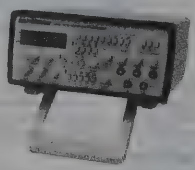
Features:

- 0.1HZ-10MHz
- Linear and log sweep
- 5 digit LED display
- Sine, square, triangle, pulse, & ramp output
- Coarse and fine tuning
- Variable duty cycle
- Variable DC offset
- Two year warranty

615-4017A	409.00

20 MHz Sweep Function Generator with Frequency Counter

B&K Part Number 4040A



Features:

- 0.2Hz to 20MHz
- Sine, square, triangle, pulse, & ramp output
- Coarse and fine tuning
- AM & FM modulation
- Burst operation
- External frequency counter to 30MHz
- 5 digit LED display
- Linear and log sweep
- Variable duty cycle
- Variable DC offset
- Two year warranty

615-4040A	619.00

Function Generator Accessories

B&K Part Number LC-40

615-LC-40	Function Generator Case	87.36

21.5 MHz Synthesized Arbitrary Waveform Generator w/ software

The B+K Model 4070A represents the finest single source for signal generation to date. Combining the latest DSP and DSS technologies, the 4070A offers a number of operating modes, providing a versatile, cost-effective signal source. You will find the 4070A is the best value and most capable instrument for any bench.

Features:

- DC offset capability
- TTL/CMOS sync output available in all modes
- RS232 remote control (Easy to use) Code examples included.
- External logic input for gating or output signal and triggering.
- Easy software updates via Flash memory.
- Configuration save/restore: 10 complete front panel setups.

615-4070A	1525.00

31.5 MHz Synthesized Arbitrary Waveform Generator w/ software

The B+K Model 4071 31.5 MHz Synthesized Arbitrary Waveform Generator represents the finest single source for signal generation to date. Combining the latest DSP and DSS technologies, the 4071 offers a number of operating modes, providing a versatile, cost effective signal source. You will find the 4071 is the best value and most capable instrument for any bench. Arbitrary Waveform Generator, Sweep Function Generator, Pulse, VCO, AM, FM, Ø Modulation, FSK and Burst Modes are all accessed quickly and easily from the front panel keypad. Being a true 12 bit arbitrary generator, the 4071 is stable, accurate and drift free.

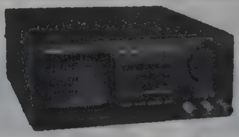
Features:

- Arbitrary Waveform Generation
- Function Generator
- Pulse Generator
- High Stability Time base

615-4071	1725.00

BK PRECISION DC POWER SUPPLIES

Programmable Switching DC Power Supplies



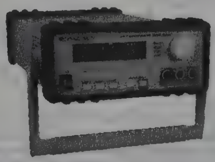
The **1696, 1697, & 1698** Programmable Switching DC Power Supplies use new switching technologies to offer more power at a lower cost than traditional linear power supplies.
The RS 232 interface allows you to either remotely control the power supply or program a sequence of different voltages and current limits that can be used in a automated test application.

Features:

- RS 232 interface
- Data logging capability
- Output disable
- Over voltage protection
- Constant voltage operation
- Constant current operation (current limiting)
- Easy-to-use
- Large easy to read LCD displays
- RS 232 to RS 485 Adapter required for RS 485 applications

615-1696	1-20VDC, 0-9.99A	339.00
615-1697	1-40VDC, 0-5A	319.00
615-1698	1-60VDC, 3.3A	339.00

Professional Single Output Programmable DC Power Supplies



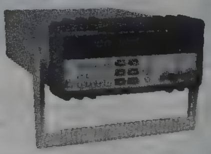
The **9120 series** are single output programmable power supplies with built-in RS232 and SCPI language compatibility. They were designed to meet the needs of today's applications in R&D design verification, university labs, production testing and other applications that require clean/reliable power and excellent performance.

Features:

- 10mV & 1mA Display Resolution
- Over-voltage protection and remote sensing
- Excellent regulation and very low noise
- SCPI compatible
- RS232 Interface
- Fast Transient Response Time
- Closed Case Calibration
- Output terminals are banana style (not binding posts)

615-9120	0-30V, 0-3A	709.00
615-9121	0-20V, 0-5A	715.00
615-9122	0-60V, 0-2.5A	739.00

Programmable DC Power Supplies



Models **1785B**, **1786B**, **1787B** & **1788** are
Programmable DC Power Supplies that offer new levels of "ease of use" & programmable functionality. Direct key in entry makes voltage and current selection fast, accurate and easy. In case calibration allows for simple, cost savings, uninterrupted operation.

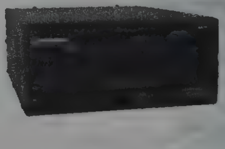
Features:

- Sixteen user programmable preset outputs
- Controllable Output On/Off Switch
- 10mV/10mA setability resolution
- Closed case calibration
- Low ripple and noise
- Excellent temperature stability
- Serial interface cable and software included

MOUSER STOCK NO.	Description	Price Each
615-1785B	0-18V, 0-5A	385.00
615-1786B	0-32V, 0-3A	385.00
615-1787B	0-72V, 0-1.5A	385.00
615-1788	0-32V, 0-6A	509.00
615-IT-E131	RS 232 Interface Cable	42.00
615-IT-E132	USB Interface Cable	48.00
615-IT-E151	Rack Mount Kit	72.28

3-15VDC, 40A Switching Digital Power Supply

B&K Part Number 1692



Features:

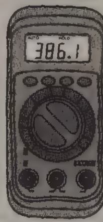
- Lightweight and compact
- High efficiency
- Current fold back circuitry with illuminated indicator prevents overloading the power supply
- Over temperature protection circuitry
- Over voltage protection prevents abnormal high output voltage
- High RFI stability
- Variable output 3V to 15V at 40A

615-1692	309.00

EXTECH INSTRUMENTS Test Equipment

EXTECH MULTIMETERS

MiniTec™ Autoranging Digital MultiMeter



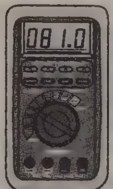
Features:

- 4000 counts on large LCD with full function indication
- Measures AC/DC Voltage and Current, Resistance, Capacitance, Frequency and Temperature
- Temperature measurements to 1400°F (760°C)
- Duty Cycle, Continuity and Diode test
- Autoranging with manual range override
- Relative zero, Data Hold and Range Hold
- 10A fuse protection
- Overload protection and indication
- Auto power off saves battery life
- Includes protective rubber holster, temperature probe, two 1.5V AAA batteries and test leads CAT II - 600V
- 1 Year Warranty

* FREE Temperature Probe!
A $13.00 Value!

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	MN26T	Autoranging Digital MultiMeter W/ Temperature Probe	39.99
685—	409992	Vinyl pouch carrying case	9.99

MultiMaster™



Features:

- 50,000/500,000 count, high accuracy, wide bandwidth True RMS multimeters
- 0.02% (MM570) and 0.03% (MM560) basic DCV accuracy
- 50,000 count display with 500,000 counts for DCV and Hz
- True RMS combination AC+DC function
- Highest resolution to 1μV, 0.01μA, 0.0001Hz, 0.01O
- MM570 with dual input Type K Thermometer,
- Higher True RMS ACV bandwidth (up to 100kHz) and 1000V input protection on all functions
- 4 to 20mA, displayed as 0-100% for process current measurements

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	MM560	0.03% Accuracy	229.99
685—	MM570	0.02% Accuracy	299.99

400 Series Multimeters

Features:

- Low current capability-measure down to 0.1μA
- Audible and visible input alerts
- Easy to read 1 inch digits on backlit display
- Very High resolution 0.1mV, 0.1μA, 0.1Ω, 1 C/F
- Rugged and drop proof to 6 feet
- True RMS (EX411 EX430, AND EX470)
- Complete with CAT 3 test leads, multi-position tilt stand and velcro strips for hanging, protective holster with test lead holder.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	EX410	Manual Ranging DMM	39.99
685—	EX411	True RMS Manual Ranging DMM	59.99
685—	EX430	True RMS Auto Ranging DMM	79.99
685—	EX450	Auto Ranging DMM w/ IR Thermometer	99.99
685—	EX470	True RMS Auto Ranging DMM w/ IR Thermometer	129.99

MultiLog Datalogger MultiMeter, 43,000 data points

Features:

- True RMS multimeter datalogs up to 43,000 data points at capture rates as fast as 20 times/second
- 0.08% basic DCV accuracy
- Store and View up to 43,000 data points
- 10 selectable datalogging sample rates from 0.05sec to 480 seconds
- True RMS Voltage and Current measurements
- Smart auto power off
- Hold and low resistance auto lead zero

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	ML720	True RMS dataloging	299.99

HEAVY DUTY INDUSTRIAL MULTIMETERS

Features:

- Double molded for waterproof protection
- Rugged design - drop proof to 6 feet
- 1000V input protection on all functions
- Dual sensitivity frequency functions
- Diode open circuit voltage of 2.8V DC
- CE and EN61010 CAT IV-600V, and CAT III-1000V
- Complete with double molded test leads and 9V battery
- 6000 count
- Large backlit LCD with bargraph
- Min/Max/Relative/Data Hold
- Auto power off with disable feature
- 3 Year Warranty

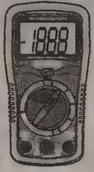
EX510
Illustrated

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	EX510	Averaging 6000 Count Industrial Multimeter	129.99
685—	EX520	True RMS 6000 Count Industrial Multimeter	159.99
685—	EX530	Precision True RMS 40,000 Count Industrial Multimeter	199.99

MINI DIGITAL MULTIMETERS AND VOLTAGE DETECTOR

Features:

- 0.5% basic accuracy
- Auto Power Off conserves battery life
- Low battery indicator
- Non-contact voltage measurement from 100 to 500VAC (NCV)
- Complete with stand, test leads, protective hoister, and 9V battery
- 1 Year Warranty

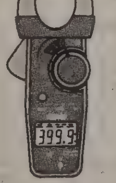


EX310
Illustrated

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	EX310	Manual Ranging Mini Multimeter & NCV	29.99
685—	EX320	Autoranging Mini Multimeter & NCV	39.99
685—	EX330	Autoranging Mini Multimeter & NCV with Temperature	49.99

EXTECH CLAMP METERS

Extech 700 Series 800A Clamp Meters

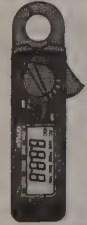


Features:

- Models with AC/DC Current, AC/DC Voltage, Resistance, Frequency, Capacitance, Temperature, Diode, and Continuity
- 1ms Fast Peak Hold captures inrush currents and Transients
- True RMS Models
- Auto power off
- CAT III-600V
- Double molded housing for better grip and one-handed operation
- Large LCD display with bright backlighting
- Data Hold "freezes" data in display
- 1.2" (30mm) circular jaw opening for large cables (500MCM)
- Complete with test leads, 9V battery, and Type K bead wire probe (EX720, EX730) and Carrying Case

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	EX710	800A AC Clamp Meter	69.99
685—	EX720	800A True RMS AC Clamp	99.99
685—	EX730	800A True RMS AC/DC	129.99

400A True RMS AC/DC Mini Clamp Meter

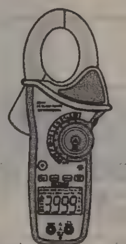


Features:

- True RMS mini-clamp with high current resolution
- True RMS measurements with 1mA AC resolution
- Non-contact Frequency measurements to 100kHz through the clamp jaws
- Fast 40 segment bargraph
- One touch Auto Zero
- Min/Max
- Data hold and Auto power off

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	380947	400A True RMS AC/DC Mini	249.99

Extech 800 Series 1000A Clamp Meters



Features:

- Autoranging with manual range override
- Data Hold, Min/Max, & Auto Power off
- Peak hold for inrush currents
- AC/DC Voltage, Resist., Cap., & Freq.
- Rugged double molded case
- Complete with test leads, 9V battery, Type K probe (-4 to 482°F/-20 to 250°C) for EX820/EX830, and belt holster

EX810 Features

- Average responding

EX820 Features

- True RMS
- Type K thermocouple measures to 1832F/1000C

EX830 Additional Features

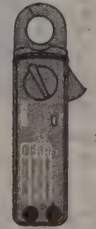
- DC Current with Zero Function
- True RMS
- Type K thermocouple measures to 1832F/1000C

MOUSER STOCK NO		Description	Price Each
Mfr.	Mfr. Part No.		
685—	EX810	1000A AC Clamp Meter	119.99
685—	EX820	1000A True RMS AC Clamp	149.99
685—	EX830	1000A True RMS AC/DC	179.99

Mini Clamp-On DCA/ACA Adapters

Features:

- Plugs into any brand DMM with AC and DC mV input ranges for direct readings on multimeter display
- Non-contact current monitoring and wave form pick-up
- Measures DC Current when DMM in DC range and AC current when DMM in AC range
- Connect to an oscilloscope to observe current signal waveforms
- 0.9" (23mm) clamp jaw opening
- One touch "Auto Zero" for DCA measurements eliminates need to turn a knob to zero adjust
- Complete with two 1.5V AA batteries, test leads and carrying case CAT II - 600V



380946
Illustrated

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	380946	High Res. Mini Clamp Adapter	229.99

High Resolution AC/DC Measurement

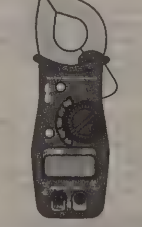
Features:

- High DC resolution of 1mA (380942) 10mA (380941)
- Model 380942 provides True RMS readings
- Both models also measure voltage
- Fast 40 segment bargraph
- One touch Auto Zero for DC current measurements Min/Max
- Data hold and Auto power off
- Complete with test leads, wrist strap, 2 AA batteries and carrying case

380942
Illustrated

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	380941	200A DC/AC Mini Clamp Meter	229.99
685—	380942	30A DC/AC Mini Clamp Meter	359.99

600A True RMS AC/DC Clamp-on Multimeter



Features:

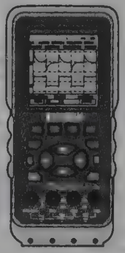
- True RMS current and voltage measurements
- Clamp-on AC/DC current readings up to 600A with 0.1A resolution
- Multimeter functions include AC/DC voltage, resistance, frequency and capacitance
- Peak hold, data hold, auto power off
- Complete with test leads, Type K temperature probe, 9V battery and storage case

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685—	38389	AC/DC True RMS Clamp-on Multi	99.99

EXTECH INSTRUMENTS Test Equipment

5MHZ DUAL CHANNEL MULTISCOPE™

Oscilloscope and Autoranging True RMS Digital Multimeter

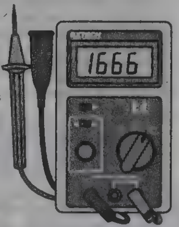


Features:

- Oscilloscope graphical functions: Single channel, volts/division (75mV to 500V), Amps/Division (75mA to 15A), 500ns Glitch Capture
- High sensitivity allows user to capture low level signals
- Oscilloscope Bandwidth: DC to 100kHz with a sample rate of 1 Million Samples/sec
- Graphical display of mV, Volts, mA, Amps
- Comparator function with user defined MIN/MAX levels allows the user to perform HIGH/LOW/PASS tests in Voltage, Current, Resistance and Capacitance modes
- DMM functions: AC/DC Voltage/Current, Resistance, Frequency, Capacitance, dB, Duty Cycle, Pulse Width, Period, Logic Signal, Diode & Continuity tests

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	381295	Oscilloscope and Autoranging True RMS Digital MultiMeter	449.99

DIGITAL MEGOHMMETER



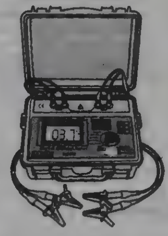
Features:

- Three test voltages of 250V, 500V and 1000V
- Insulation Resistance measurements to 2000MΩ
- Safety Power Lock enables hands free operation for 3 minute test
- Automatic discharge when safety "Press to Test" button released
- Auto power off and Data Hold
- Large 0.65" (17mm) LCD display
- Automatic zero adjustment
- Measures Continuity to 200Ω plus Voltage to 600VAC
- Complete with 6 AA batteries, heavy duty 2.5ft (0.8m) test leads, alligator clip, large probe and case with neckstrap

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	380360	Digital Megohmmeter	199.99

BATTERY POWERED MILLIOHM METER

High accuracy, high resolution portable Milliohm Meter for field use

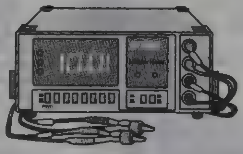


Features:

- Four terminal Kelvin measurements
- Over-temperature and over-voltage protection
- 5 ranges with 100μ max resolution
- Invalid test indicators prevent inaccurate measurements
- Built-in water resistant case with shoulder strap

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	380580	Battery Powered Milliohm Meter	499.99

HIGH RESOLUTION MILLIOHM METER



Features:

- 7 ranges for wide 20.00mΩ to 20.00kΩ low resistance measurements
- High resolution to 0.01mΩ
- One year warranty
- 1999 count display with large 0.8" digits
- Power: 110VAC 160Hz or 220VAC 50Hz
- Automatic zero
- Built-in comparator for Hi/Lo/Go resistance testing or selection
- Complete w/4-wire cables w/Kelvin clip connectors and power cord

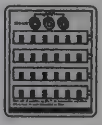
685	380560	Precision MilliOhm Meter, 110VAC	449.99
685	380465	Spare Kelvin Clip Test Lead Set	59.99

RESISTANCE & CAPACITANCE DECADE BOXES

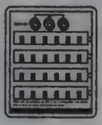
Features:

- Durable Construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Dimensions: 4.6x5.7x1.4" (116.8x144.8x35.6mm)
- Weight: 0.66lbs (299g)
- One year warranty

A



B



380400 Resistance Box Features:

- 1% Resistance substitution from 1Ω to 11MΩ in 1Ω steps
- Seven Decade Ranges of Resistance
- Values can be changed in 1Ω increments

380405 Capacitance Box Features:

- 5% Capacitance substitution from 100pF to 11. 111μF in 100pF steps
- Excellent for circuit development
- Five Decade Ranges of Capacitance

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
685	380400	A	Resistance Decade Box	99.99
685	380405	B	Capacitance Decade Box	129.99

EXTECH PASSIVE COMPONENTS LCR METER

139.34
148.34

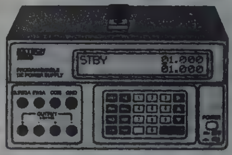
Features:

- Simultaneous 20,000/10,000 count display of the primary parameter (L, C or R) with the secondary parameter of Q (quality), D (dissipation) or R (resistance)
- Set Hi/Lo limits using absolute values or percentage limits
- Selectable Parallel or Series equivalent circuit
- 4-1/2 digit backlit LCD display
- Max/Min/Avg recording with Auto power off
- Built-in test fixture or use external test leads
- Open and Short Zero removes unwanted stray impedances from the measurement
- Built-in RS-232 with optional software
- Relative mode with zero reference or user supplied reference
- Automatic blown fuse indication
- CE approved, one year warranty
- Includes test leads, alligator clips, 9V battery, and protective holster
- Software Optional

380193 Illustrated

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	380193	Passive Component LCR Meter	179.99
685	SW193	Windows Compatible Software	29.99
685	153117	117 VAC Adapter	24.99

PROGRAMMABLE DC POWER SUPPLY

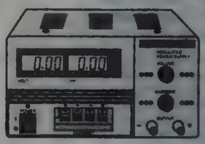


Features:

- Adjustable 0 to 40V, 0 to 5 output
- High resolution (1mV and 1mA) programmable outputs
- Separate fixed 5V/2A and 3.3V/3A outputs
- Memory for 200 test setups
- Constant voltage or constant current modes
- Programmable over voltage protection
- Programmable over current protection with 0 to 60 second delay timer
- High stability with low ripple and noise
- Dual high contrast display with backlighting
- Bi-directional PC control via Windows® HyperTerminal program

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	382280	Programmable 200 Watt DC Power Supply	599.00

TRIPLE OUTPUT DC POWER SUPPLIES

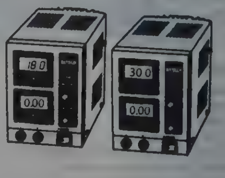


Features:

- Triple Output: Adjustable 0-30V, 0-3A plus fixed 5V and 12V
- 0-30V Adjustable Voltage Output
- 0-3A Adjustable Current Output
- Independent 5V and 12V outputs provides power for TTL or CMOS Projects
- Easy Snap Terminals for 5V and 12V outputs
- Overload and Short Circuit Protection
- Constant Voltage or Current
- Current Limiting Front Panel LED Indicator
- Binding Post Terminals for Variable Supply

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	382203	Analog DC Power Supply, 115/220 VAC	169.99
685	382213	Digital DC Power Supply, 115/220 VAC	199.99

DIGITAL SINGLE OUTPUT DC POWER SUPPLIES



Features:

- Adjustable constant voltage or constant current output
- Dual backlit LCD displays for voltage and current
- Short circuit and overload protected
- Banana plug output jacks
- DC Voltage Output 0 to 30V 0 to 18V
- DC Current Output 0 to 1A 0 to 3A
- Weight 4.4lbs. (2kg) 6.6lbs. (3kg)
- 1 Year Warranty

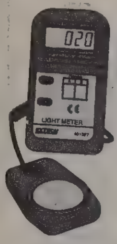
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	382200	DC Power Supply 30V/1A	129.99
685	382202	DC Power Supply 18V/3A	139.99

EXTECH ENVIRONMENTAL TESTERS

Light Meters

Features for 401027:

- Easy to operate Foot candle light meter with 2 ranges
- Convenient pocket size design
- Overrange indication
- Complete with 9V battery, light sensor with 3.8ft (1.2m) cable, built-in stand


401027

Features for 407026:

- % displays differential from reference point
- "ZERO" Re-Calibration
- ±4% accuracy is enhanced by selecting lighting type Tungsten/Daylight, Fluorescent, Sodium, Mercury)
- Record/Recall MIN, MAX and AVG readings
- Data Hold plus Auto shut off
- Built-in RS232 serial interface, optional software
- Dimensions 7x2.9x1.3" (178x74x33mm); weight 1.6lbs. (726g)
- Complete with 9V battery and protective holster.
- Optional Data Acquisition Software and Datalogger for later Analysis

407026

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	401027	Pocket Light Meter	69.99
685	407026	Heavy Duty Light Meter	169.99

Sound Level Meters

Features for 407730:

- Features for 407730
- ±2dB accuracy with 0.1dB resolution
- A and C weighting selectable
- 40 to 130dB measuring range
- Fast/slow response
- 300Hz to 8kHz frequency range
- AC analog output
- Record Max/Min values over time
- Auto power off and Max Hold functions
- Utilizes 0.5"(10mm) electret condenser microphone
- Tripod mountable
- Dimensions: 9x2.2x1.7" (230x57x44mm)
- Complete with 4 AAA batteries

Features for 407750:

- High accuracy meets ANSI & IEC 651 Type 2 standards
- Background noise absorber for machine noise measurements filters ambient noise
- RS-232 interface for capturing data directly on a PC, optional Windows® /98/NT/2000/ME compatible software (407752)
- Large display with backlighting and analog barograph
- Auto/Manual ranging
- Min/Max
- Analog AC/DC outputs for connection to a recorder
- Tripod mount ideal for field use
- Complete with 9V battery and carrying case

407730

407766

Features for 407736:

- High accuracy Type 2 Meter
- Provides 1.5dB accuracy
- Meets ANSI and IEC 651 Type 2 standards
- High and Low measuring ranges Max Hold with reset button
- Built-in calibration check (94dB)
- Analog AC/DC outputs for connection to an analyzer or recorder
- Tripod mount ideal for field use

Features for 407766:

- Calibrates and verifies Sound Level Meter operation
- LED indicator lights up when power is on
- Level position to select 94dB or 114dB
- For use on Sound Level Meters with 0.5" or 1.0" microphones
- Durable die-cast, aluminum housing
- 1kHz sine wave at 94dB/114dB is generated to an accuracy of 5% (frequency) and ±0.8dB

407736

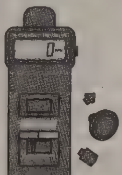
407750

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	407730	Digital Sound Level Meter	79.99
685	407736	1.5db Digital Sound Level Meter	249.99

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	407750	Type 2 Sound Level Meter	249.99
685	407766	Sound Level Calibrator	399.99

COMBINATION CONTACT/PHOTO TACHOMETERS

461895



Features:

- Characters on display reverse direction depending on contact or photo mode
- Model 461895 utilizes visible light for non-contact readings up to 6" (150mm) from target
- Model 461995 uses a Laser for greater distance non-contact measurements up to 6.5' (2m)
- Memory/readings button holds last reading for 5 min and recalls min/max readings
- Complete with wheels for linear surface speed or rpm measurements, four 1.5V AA batteries, 23" (0.6m) reflective tape and carrying case

461995

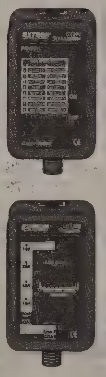
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	461895	Combo Tachometer	229.99
685	461995	Laser Photo/Contact Tach.	279.99
685	461937	Reflective Tape	39.99
685	461990	Set of Spare Wheels	39.99

WIRE, CABLE AND NETWORK TESTERS

Network Cable Tester

Features:

- Tests 10Bast-T, AT&T258A, EIA/TIA 568B and Token Ring
- Tests Cat 5e, Cat 5, Cat 4 and Cat 3
- Locates shorts, opens, mis-wires and reversals
- Shield detection checks shield continuity
- Works on cables from 3 to 600 feet
- F connector for troubleshooting coax cables
- Ideal for home networks
- Includes two AAA batteries

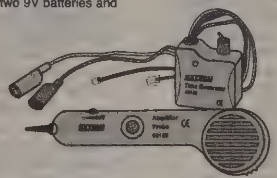


MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	CT100	Network Cable Tester	29.99

Tone Generator and Amplifier Probe

Features:

- Trace wires and cables in computer LAN and phone networks
- Tone generator has output cables with RJ11, RJ45 modular connectors and alligator clips
- User can select continuous or warble tone
- Probe has built-in speaker with sensitivity control
- Tests include tip/ring identification and continuity
- Includes tone generator with alligator clips and RJ11 and RJ45 connector cables, amplifier probe, two 9V batteries and storage case



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	40180	Tone Generator and Amplifier Probe	79.99

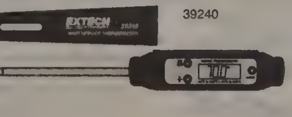
THERMOMETERS

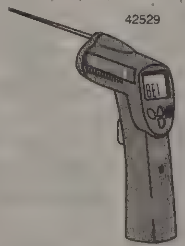
Features for 39240:

- 2.75" (70mm) Stainless steel stem
- Min/Max readings
- Data hold and auto power off
- Range: -40 to 392°F (-40 to 200°C)
- Accuracy: 2°F/1°C
- Resolution: 0.1°/1°
- Includes battery and protective cover

Features for 42529:

- Measures to 600°F without contact
- Large LCD display with backlighting
- Built-in laser pointer to improve aim
- °F/°C switchable
- Fixed emissivity (0.95) covers 90% of surface applications
- Narrow field of view
- Audible and visible overrange indicators
- Automatic Data Hold
- Complete with 9V battery

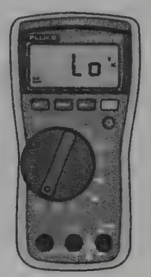

39240

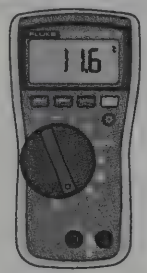
42529


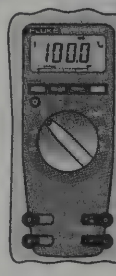
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
685	39240	Pocket Size Waterproof Thermometer	19.99
685	42529	IR Thermometer	89.99

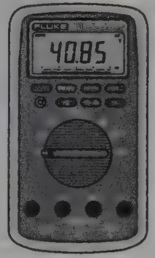
FLUKE Test Equipment

FLUKE MULTIMETERS

A


B


C


D


E

F

G

H

Fluke Digital Multimeters

MOUSER STOCK NO.		Fig.	DCV Accuracy	Ranging	Display LCD	Analog Bar Graph	PC Interface	Memory	Logging	Cap	Frequency	Safety Rating CAT III	Safety Rating CAT IV	Temp.	Warranty	Price Each
Mfr.	Mfr. Part Number															
676	115	A	0.1	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	600V	600V	No	Lifetime	149.95
676	117	A	0.1	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	600V	600V	No	Lifetime	179.95
676	114	B	0.1	Manual or Auto	6000	No	No	No	No	No	No	600V	600V	Yes	Lifetime	129.95
676	116	B	0.1	Manual or Auto	6000	No	No	No	No	Yes	No	600V	600V	Yes	Lifetime	169.95
676	73-3	C	0.3	Manual or Auto	3200	Yes	No	No	No	No	No	600V	No	No	Lifetime	189.95
676	175	C	0.15	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	1000V	600V	No	Lifetime	229.95
676	177	C	0.09	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	1000V	600V	No	Lifetime	239.95
676	179	C	0.09	Manual or Auto	6000	Yes	No	No	No	Yes	Yes	1000V	600V	Yes	Lifetime	249.95
676	83-5	D	0.1	Manual or Auto	20000	Yes	No	No	No	Yes	Yes	600V	No	No	Lifetime	349.95
676	87-5	D	0.05	Manual or Auto	20000	No	No	No	No	Yes	Yes	600V	No	No	Lifetime	359.95
676	287	E	0.025	Manual or Auto	50000	Yes	Yes	Yes	Yes	Yes	Yes	1000V	600V	Yes	Lifetime	499.95
676	289	E	0.025	Manual or Auto	50000	Yes	Yes	Yes	Yes	Yes	Yes	1000V	600V	Yes	Lifetime	529.95

Fluke Clamp Meters

MOUSER STOCK NO.		Fig.	DCV Accuracy	Ranging	Display LCD	Res.	Data Hold	Back Light	In Rush	Min./Max.	Frequency	Safety Rating CAT III	Auto Off	Cont.	Warranty	Price Each
Mfr.	Mfr. Part Number															
676	322	F	1% ± 5 counts	Auto	4000	Yes	Yes	No	No	No	No	600V	Yes	Yes	2 Years	109.95
676	334	G	1% ± 5 counts	Auto	6000	Yes	Yes	Yes	Yes	No	No	600V	Yes	Yes	3 Years	164.95
676	335	G	1% ± 5 counts	Auto	6000	Yes	Yes	Yes	Yes	No	No	600V	Yes	Yes	3 Years	214.85
676	337	H	1% ± 5 counts	Auto	6000	Yes	Yes	Yes	Yes	Yes	Yes	600V	Yes	Yes	3 Years	341.04

Fluke Accessories

* SureGrip clips and probes require SureGrip test leads

MOUSER STOCK NO.		Description	Recommended For Fluke Model	Price Each
Mfr.	Mfr. Part Number			
Clips, Probes, and Leads				
*676	AC220	SureGrip Alligator Clips	73-3, 83-5, 87-5, 114, 115, 116, 117, 175, 177, 179, 333, 334, 335, 336, 337	27.00
*676	AC280	SureGrip™ Hook Clips use with TL222 Test Leads	73-3, 83-5, 87-5, 114, 115, 116, 117, 175, 177, 179	23.65
*676	AC283	SureGrip™ Pincer Clips use with TL222 Test Leads	73-3, 83-5, 87-5, 114, 175, 177, 179	26.90
*676	AC285	SureGrip Alligator Clips	73-3, 83-5, 87-5, 114, 115, 116, 117, 175, 177, 179, 333, 334, 335, 336, 337	16.20
*676	TP220	SureGrip Industrial Test Probes	73-3, 83-5, 87-5, 114, 115, 117, 175, 177, 179	12.95
*676	TL221	SureGrip Test Lead Extension Set	73-3, 114, 115, 116, 117, 175, 177, 179	20.50
676	TL220	SureGrip Industrial Test Lead Set	289	53.00
676	TL910	Electronic Test Probe	284	45.40
676	TP920	Test Probe Adapter	287	28.10
676	TL222	SureGrip™ Silicone Test Leads (right angle)	73-3, 83-5, 87-5, 114, 115, 117, 175, 179, 322, 334, 335, 336, 337	20.50
676	TL223	SureGrip Electrical Test Lead Set	73-3, 114, 115, 117, 175, 177, 179, 322, 333, 334, 335, 336, 337	53.00
676	TL224	SureGrip™ Silicone Test Leads	73-3, 83-5, 87-5, 114, 115, 116, 117, 175, 177, 179, 333, 334, 335, 336, 337	20.50
676	TL40	Retractable Tip Test Lead Set Recommended Y8140A Replacement	73-3, 83-5, 87-5, 114	31.20
676	TL71	Precision Probe Assembly; Recommendd for μV Measurements	73-3, 83-5, 87-5, 114, 115, 116, 117, 175, 177, 179, 333, 334, 335, 336, 337	19.45
676	TL75	Hardpoint Test Leads Set; Extremely Hard Alloy Tips	73-3, 83-5, 87-5, 114, 115, 117, 175, 177, 179, 333, 334, 335, 336, 337	16.20
676	TL80A	Basic Electronic Test Lead Set	73-3, 83-5, 87-5, 114	50.80
676	TL81A	Deluxe Electronic Test Lead Set	73-3, 83-5, 87-5, 114	108.10
Current Clamps				
676	I200	200 Amp Clamp; Compatible with any Fluke Multimeter	73-3, 83-5, 87-5, 114, 116, 175, 177, 179	109.15
676	I400	Current Probe; Compatible with any Fluke Multimeter	83-5, 87-5, 175, 177, 179, 287, 289	109.15
676	I410-KIT	AC/DC Current Clamp with Carry Case	73-3, 83-5, 87-5, 114, 116, 175, 177, 179	218.35
676	I1010-KIT	AC/DC Current Clamp with Meter Carry Case	73-3, 83-5, 87-5, 114, 116, 175, 177, 179	305.70
Cases and Holsters				
676	C12A	Soft Carrying Case	114, 115, 116, 117	21.40
676	C25	Soft Case; Zippered Softcase	175, 177, 179, 83-5, 87-5, 73-3	27.80
676	C50	Vinyl Case with Belt Loop	73-3, 114, 115, 116, 117	26.75
676	C90	Soft Case for DMM's	73-3, 114, 115, 117, 175, 177, 179	26.65
676	C125	Compact Soft Case for 120 Series ScopeMeter Test Tools	123, 124	30.00
676	C781	Soft Case	287, 289	42.75
676	C550	Heavy Duty Tool Bag	289	69.55
Meter Accessories				
676	87RETRO	Retrofit Kit for FLUKE 83, 85, 87-3, 787 Meters	83-5, 87-5	97.30
676	C1600	Meter Gear Box	73-3, 83-5, 87-5, 114, 115, 116, 117, 175, 177, 179, 333, 334, 335, 336, 337	42.75
676	TPAK	Meter Hanging Kit; Universal Hanger	73-3, 83-5, 87-5, 114, 115, 116, 117, 175, 177, 179, 287, 289	29.75
676	TLK287	Electronics Master Test Lead Seet	287	114.95
676	TLK289	Industrial Master Test Lead Set	289	114.95
676	TLK-220	SureGrip Accessory Set	73-3, 83-5, 87-5, 114, 115, 117, 175, 177, 179	106.05
676	TLK-225	SureGrip Master Accessory Set	73-3, 83-5, 87-5, 114, 115, 117, 175, 177, 179	106.05
Probes, Adapters, Plugs, and Kits				
676	80PK-1	Probe, Thermocouple, Beaded K-type	175, 177, 179	21.80
676	80TK	Thermocouple Module, Converts any Fluke DMM to a Thermometer	73-3, 83-5, 87-5, 114, 115, 117, 175, 177, 179	98.00

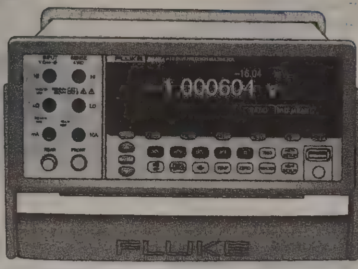
FLUKE Test Equipment

FLUKE®

6.5 DIGIT MULTIMETER

NEW FROM SUPPLIER

Features:
- 6.5 digit resolution
- Basic Vdc accuracy of up to 0.0024% (1yr)
- Dual Display
- 100μA to 10A current range, with up to 100pA resolution
- Wide ohms ranges from 10Ω to 1GΩ with up to 10μΩ resolution
- 2x4Ω 4-wire measurement technique
- Both models measure frequency and period
- 8864A also measures capacitance and temperature
- USB memory drive port (8846A)
- Fluke 45 and Agilent 34401A emulation
- Graphical display
- Trendplot™ paperless recorder mode, statistics, histogram
- CAT I 100V, CAT II 600V


8846A

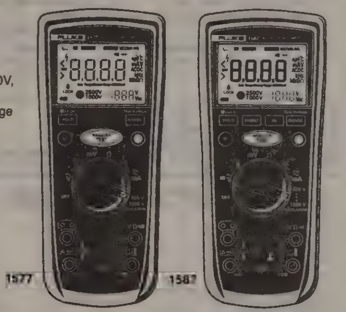
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-8845A	8845A	6.5 Digit Multimeter	995.00
676-8846A	8846A	6.5 Digit Multimeter with USB	1395.00
Accessories			
676-TL71	TL71	Premium Test Lead Set	19.45
676-TL80A	TL80A	Basci Electronic Test Lead Kit	50.80
		2mm Probe Tip	
676-TL-2X4W-PTII	TL2X4W-PTII	2X4 Wire Ohms 1000V Test Leads	75.00
676-FVF-UG	FVF-UG	Flukeview® Forms Upgrade	86.55

1577 / 1587 INSULATION MULTIMETER

The Fluke 1587 and 1577 Insulation Multimeters combine a digital insulation tester with a full-featured digital ultimeter in a single, compact handheld unit, which provides maximum versatility for both troubleshooting and reventative maintenance. Like other tools that you have come to expect from Fluke, the 1587 & 1577 are rugged, reliable, and easy to use. Whether you work on motors, generators, cables, or switch-gear, the Fluke 1587/1577 Insulation Multimeters are ideally suited to help you with your tasks.

Features:
- Multifunction Vacuum Fluorescent Dual Display
- Provides maximum versatility for troubleshooting and preventative maintenance
- Ideal for work on motors, cables, and switchgear
- Large display with backlight
- Filter for motor drive measurements (1587 only)
- Insulation test (1577: 0.1MΩ to 600MΩ), (1587: 0.01MΩ to 2GΩ)
- Insulation test voltages (1587: 50V, 100V, 250V, 500V, 1000V), (1577: 500V, 1000V) for many applications
- Live circuit detection prevents insulation test if voltage >30V is detected for added user protection
- Auto-discharge of capacitive voltage for added user protection
- AC/DC voltage, DC milliVolts, AC/DC milliAmps, Resistance (0.1Ω-50MΩ), Continuity
- Capacitance, Diode Test, Temperature, Min/Max, Frequency (Hz) (1587 only)
- Auto power off to save battery power
- CAT III - 1000V, CAT IV - 600V measurement category

Included Accessories:
Remote probe, test leads and probes, alligator clips, Rugged, utility case (K-type thermocouple - 1587 only)
- Made in USA
- 3-year warranty


1577 1587

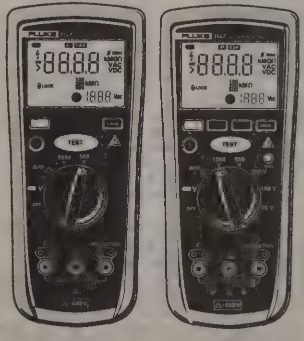
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-1577	FLUKE-1577	Insulation Multimeter (0.1MΩ to 600MΩ)	469.00
676-1587	FLUKE-1587	Insulation Multimeter (0.01MΩ to 2GΩ)	575.00
Accessories			
676-TPAK	TPAK	ToolPak, Meter Hanging Kit	29.75
676-I400S	I400S	Clamp with Adapter	196.50
676-C25	C25	Soft Case	27.80

1507/1503 INSULATION RESISTANCE TESTERS

The Fluke 1507 and 1503 Insulation Testers are compact, rugged, reliable, and easy to use. With their multiple test voltages, they are ideal for many troubleshooting, commissioning, and preventative maintenance applications. Additional features, like the remote probe on these tools save both time and money when performing tests.

Features:
- Insulation test range: 1507: 0.01 MΩ to 10 GΩ
  1503: 0.1 MΩ to 2000 MΩ
- Insulation test voltages: 1507: 50 V, 100 V, 250 V, 500 V, 1000 V
  1503: 500 V, 1000 V
- Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio (only available on the1507)
- Make repetitive tests simple and easy with the 1507's Compare (Pass/Fail) function (only available on the 1507)
- Repetitive or hard-to-reach testing is easy with the remote test probe
- Live circuit detection prevents insulation test if voltage > 30 V is detected for added user protection
- Auto-discharge of capacitive voltage for added user protection
- AC/DC voltage: 0.1 V to 600 V
- 200 mA Continuity
- Auto power off
- CAT IV 600 V overvoltage category rating for added user protection
- Remote probe, test leads, probes and alligator clips included with each tester
- Accepts optional Fluke TPAK magnetic hanging system to free your hands for other work
- Four AA alkaline batteries (NEDA 15 A or IEC LR6) for at least 1000 insulation tests
- One year warranty
- Resistance: 0.01Ω to 20.00 kΩ
- Large backlit display

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-1503	FLUKE-1503	Insulation Tester	319.00
676-1507	FLUKE-1507	Insulation Tester	419.00
Accessories			
676-TL225	TL225	Stray Voltage Adapter Test Lead Kit	78.00
676-TPAK	TPAK	Meter hanging Kit	29.75
676-C101	C101	Hard Case	42.75
676-C25	C25	Large Soft Case for DMM's	27.80


1503 1507

1587/ET ADVANCED ELECTRICAL TROUBLESHOOTING KIT

Everything you need to troubleshoot electrical system problems quickly and easily in one case.

NEW FROM SUPPLIER

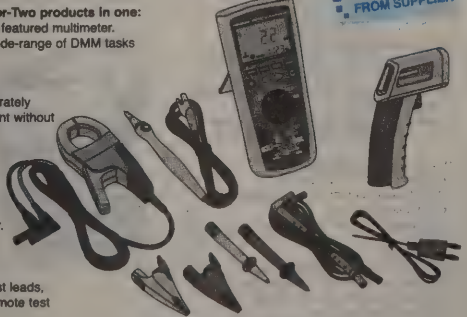
Includes:

Fluke 1587 Insulation Multimeter-Two products in one:
Powerful insulation tester and full featured multimeter. Perform insulation tests, plus a wide-range of DMM tasks with confidence and ease.

Fluke I400 Current Clamp:
Use with your Fluke 1587 to accurately measure 1A AC to 400A AC current without breaking the circuit.

Fluke 62 Mini Infared Thermometer:
Check for hot spots and measure temperature quickly and reliably with this non-contact thermometer. Wide temperature range and best accuracy in its class.

Includes: instruction manuals, test leads, alligator clips, test probes, and remote test probe (for 1587)



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-1587ET	FLUKE-1587 ET	Advanced Electrical Troubleshooting Kit	740.00

1587/MDT ADVANCED MOTOR & DRIVE TROUBLESHOOTING KIT

Everything you need to troubleshoot motor and variable frequency drive electrical problems quickly and easily in one case.

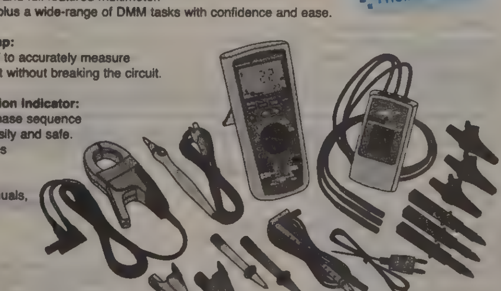
NEW FROM SUPPLIER

Includes:
Fluke 1587 Insulation Multimeter-Two products in one:
Powerful insulation tester and full featured multimeter.
Perform insulation tests, plus a wide-range of DMM tasks with confidence and ease.

Fluke I400 Current Clamp:
Use with your Fluke 1587 to accurately measure 1A AC to 400A AC current without breaking the circuit.

Fluke 9040 Phase Rotation Indicator:
Check the rotation and phase sequence of three-phase motors easily and safe. The large display indicates for all three phases.

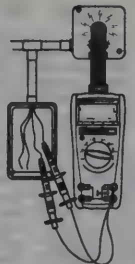
Includes: instruction manuals, test leads, alligator clips, test probes and remote test probe (for 1587)



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-1587MDT	FLUKE-1587 MDT	Advanced Electrical Troubleshooting Kit	825.00

FLUKE Test Equipment

MULTIMETER AND TOOLPAK COMBO PACK



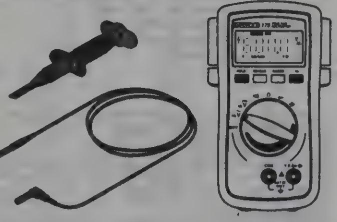
We have bundled these two products together so they can be ordered with a single part number at a lower price than purchasing the items separately.

Features:

- All standard DMM functions
- Limited lifetime warranty
- 6000 count display
- True-rms AC voltage and current
- Min/Max/Average recording
- Frequency, capacitance, and resistance
- Made by Fluke in the USA
- Back-lit display
- Temperature in °C and °F

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-179/TPAK	179/TPAK	179 Multimeter with ToolPak magnetic meter hanging kit	259.95

ELECTRONICS DMM COMBO KIT



Kit Includes:

179 Multimeter:

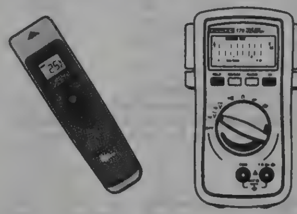
- Includes 80BK
- True-rms AC voltage and current
- 6000 count display
- Frequency, capacitance, and resistance capabilities
- Backlight

Delux Accessory Combo:

- TL24 test leads
- AC80 grabbers
- TL910 fine pitch leads and probes
- C800 durable carrying case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-179/EDA2	179/EDA2	Electronics multimeter and deluxe accessory combo kit	269.95

179/61 INDUSTRIAL MULTIMETER AND INFRARED THERMOMETER COMBO KIT



Kit Includes:

179 Multimeter:

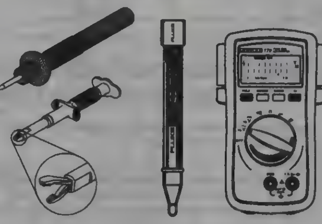
- Includes 80BK
- True-rms AC voltage and current
- 6000 count display
- Frequency, capacitance, and resistance capabilities
- Backlight

61 Infrared Thermometer:

- Bright laser beam provides easy targeting
- Celsius or Fahrenheit readout
- 0.2 C° (0.5 F°) resolution for precise readings
- Backlight for use in dark areas
- Includes test leads, temperature probe, and a durable carrying case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-179/61	179/61	Multimeter and infrared thermometer kit	339.95

INDUSTRIAL ELECTRONICS DMM COMBO KIT



Kit Includes:

179 Multimeter:

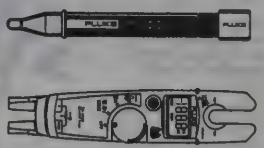
- Includes 80BK
- True-rms AC voltage and current
- 6000 count display
- Frequency, capacitance, & resistance capabilities
- Backlight

Accessories:

- TL24 test leads
- AC20 retractable alligators
- TP20 industrial probes
- 1AC voltage detector
- C800 durable carrying case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-179/1AC-II	179/1AC-II	Electrician's multimeter, voltage tester, and accessories	269.95

VOLTAGE, CONTINUITY, AND CURRENT TESTER KIT WITH HOLSTER



Kit Includes:

T5-1000 Tester:

- Measures voltage, current, & checks continuity
- Measures up to 1000V AC or DC to 100A AC and resistance to 1000Ω
- OpenJaw Technology

1AC-II VoltAlert:

- Voltage Detector glows red when voltage is present 90-1000VAC

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-T5-H5-1AC	T5-H5-1AC	T5-1000 tester, 1 AC-II VoltAlert, and H5 custom holster	143.00

289 LOGGING MULTIMETER AND VIEW FORMS COMBO KIT

Includes:

- Fluke 289 True-rms Industrial Logging Multimeter with TrendCapture
- FlukeView Forms Software and cable
- 80BK-A intergrated DMM thermocouple probe
- TL71 Silicone Test Lead Set
- AC72 Alligater Clips
- TPAK Magnetic Meter Hanger
- Durable and lightweight Soft Case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-289/FVF	289/FVF	Fluke 289 and FlukeView Forms Combo Kit	599.95

ELECTRICIAN'S COMBO KIT

Kit Includes:

117 True-RMS:

- True-rms AC voltage and current
- 6000 count display
- Frequency, capacitance, and resistance capabilities
- Backlight

322 Clamp Meter:

- Precise low current measurements better than 2% basic accuracy
- Auto shut-off
- Display hold
- Two year warranty

Accessories:

- C115 carrying case w/ shoulder strap
- ToolPak magnetic meter hanging strap
- TL75 hard point test lead set

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-117/322	117/322	117 True-RMS multimeter and 322 clamp meter combo	259.95

87 V/E2 INDUSTRIAL ELECTRICIANS COMBO KIT

Kit Includes:

- 87V Industrial Multimeter
- C35 Lightweight soft case to provide optimal protection and accessory storage
- TL224 1.5 m silicone leads resist heat
- TP238 Removable probes with 4mm of exposed metal for use on industrial circuits
- AC220 Retractable long reach alligator clips
- ToolPak Magnetic hanger to position and hold meter to steel surfaces
- 80BK K-type temperature probe

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-87-5/E2	87-5/E2	87V/E industrial multimeter with holster and accessories	409.95

HVAC COMBO KIT

Kit Includes:

116 True-RMS Multimeter:

- Built in thermometer and temperature probe
- Microamps to test flame sensors
- LoZ: low input impedance to eliminate ghost (stray) voltage
- Compact design for one-handed operation
- White backlight for working in poorly lit areas

62 Infrared Thermometer:

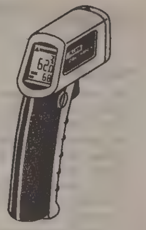
- Accuracy of +/- 1% of reading
- Dual display (current and max readings)
- Bright backlit display
- Temperature range: -30 to 500°C (-20 to 932°F)

Accessories:

- TL75 hard point test lead set
- ToolPak magnetic meter hanging strap
- Carrying case with shoulder strap
- Pipe wrap thermocouple
- 80BK Integrated Temperature Probe
- 80AK thermocouple adapter

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-116/62	116/62	HVAC multimeter, infrared thermometer, & accessories	259.95

62 MINI INFRARED THERMOMETERS



The Fluke 62 Mini non-contact thermometer is the perfect introduction to infrared (IR) thermometers for the professional With the best accuracy in its class, the Fluke 62 mini offers quick and reliable surface temperature readings.

Features:

- Safely take temperature readings of hot, hard to reach, or moving targets
- Capture MAX temperature during reading
- Easily read display in low-light areas
- Guide measurements with laser targeting
- Read temperature up to 500°C (932°F)

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-62	62	Mini Infrared Thermometer	99.00
Accessories			
676-H6	H6	IR-Pistol-Holster	32.10

60 SERIES HANDHELD INFRARED THERMOMETERS

These handheld portable tools enable professionals to monitor the status of electrical motors and electrical panels, research heating and ventilation problems and diagnose car malfunctions with ease

Fluke 63
Fluke 66
Fluke 68

Fluke 63:

- High-resolution optics
- High accuracy: 1 % and repeatability: 0.5 %
- MAX temperature display
- Laser targeting
- Backlit display
- Expanded measurement range up to 535 °C (999 °F)

Fluke 66:

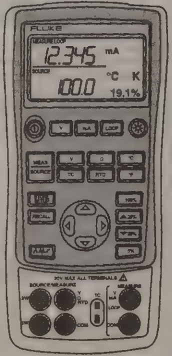
- Laser guided sighting system for easy targeting with 1 % accuracy
- 12-point data logging
- Advanced optics to measure smaller targets at greater distances
- Adjustable emissivity for more accurate temperature measurements
- Selectable MAX, MIN, DIF and AVG functions that display values instantly with Hi/Lo Alarm
- Expanded measurement range up to 600 °C (1100 °F)

Fluke 68:

- Laser guided sighting system for easy targeting with 1 % accuracy
- 12-point data logging
- Advanced optics to measure smaller targets at greater distances
- Adjustable emissivity for more accurate temperature measurements
- Selectable MAX, MIN, DIF and AVG functions that display values instantly with Hi/Lo Alarm
- Expanded measurement range up to 760 °C (1400 °F)

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-63	63	Infrared Thermometer to 535 °C (999 °F)	219.00
676-66	66	Infrared thermometer to 600 °C (1100 °F)	410.00
676-68	68	Infrared thermometer to 760 °C (1400 °F)	525.00
Accessories			
676-80PR-60	80PR-60	IR-Pistol-RTD Probe	60.00
676-H6	H6	IR-Pistol-Holster	32.10

724 TEMPERATURE CALIBRATOR



Features:

- The Fluke 724 Temperature Calibrator is a powerful yet easy-to-use calibrator.
- Use the measure and source functions to test and calibrate almost any temperature instrument.
- Easy to read dual display lets you view input and output simultaneously
- Measure RTDs, thermocouples, ohms, and volts to test sensors and transmitters
- Source/simulate thermocouples, RTDs, mA, volts, and ohms to calibrate transmitters
- Perform fast linearity tests with 25% and 100% steps
- Execute remote tests with auto step and auto ramp
- Power transmitters during test using loop power supply with simultaneous mA measurement
- Store frequently-used test setups for later use
- Compact, streamlined shape makes it easy to carry
- Rugged, reliable design stands up to field use
- Backlight lets you work in poor light
- Large battery capacity of four AA cells
- Battery door for easy changes
- 3 year warranty

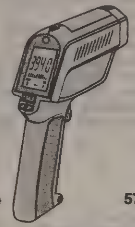
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-724	724	Fluke 724 Temperature Calibrator	1495.00
Accessories			
676-TL220	TL220	SureGrip Industrial Test Lead Set	53.00
676-AC72	AC72	Alligator Clip Set	11.85
676-TL71	TL71	Test Lead Set	19.45
676-TL238	TL238	Test Lead Set for High Energy Environments	53.00
676-TPAK	TPAK	ToolPak, Meter Hanging Kit	29.75
676-LPAK	LPAK	LockPak, Meter Locking Kit	20.00
676-C510	C510	Leather Meter Case	48.15
676-80PK-24	80PK	Air Temperature Probe	81.85

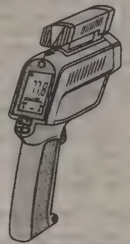
570 SERIES DATA LOGGING INFRARED THERMOMETERS

The new Fluke 570 precision non-contact thermometers are ideal professional diagnostic tools for predictive maintenance professionals requiring the most accurate temperature readings and equipment condition documentation.

Features:

- Large backlit dual display shows any combination of T1,T2 (52 only)
- Displays Min/Max measurements (all models) and Dif/Avg (Fluke-574 and Fluke-576)
- Adjustable emissivity setting (.01 increments) for more accurate measurement
- 30 pre-set common material emissivity values (Fluke-574 and Fluke-576)
- 3-dot coaxial laser sighting showing the true diameter of a measurement spot (90% energy)
- Extra bright appearing 635nm laser to clearly highlight the targeted area
- Close-focus models available for specialized applications, such as electrical components
- Customizable log names, alarms, and emissivity values. (Fluke-574 and Fluke 576)
- Bar graph of last ten readings for visual recognition of trends in real time
- Read temperatures up to 900 °C (1600 °F)
- Backlit display for poorly lit areas
- Holds temperature readings
- Durable plastic storage case
- Thermocouple K probe (Fluke-574 and Fluke-576)
- 110V or 220V power supply (Fluke-574)
- Windows-based software on CD in 8 languages
- USB cable (Fluke-576)
- RS232 cable (Fluke-574)
- Durable hard case
- 2 AA Batteries
- User's manual on CD in 8 languages
- Printed Quickstart in 8 languages
- 2 year warranty


572 & 574


576

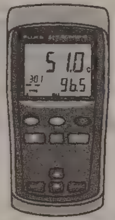
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-572	572	Thermometer 535C/999F	759.00
676-574	574	Thermometer with Logging Software	1169.00
676-576	576	Photo IR Therm with Logging Software	1797.00
Accessories			
676-AN5	AN5	MV/Degree Data cable	59.45
676-C570	C570	Holster with belt clip for Fluke-572/574/576	99.95

50 SERIES II THERMOMETERS

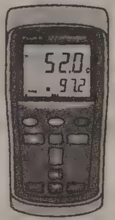
Features:

- Large backlit dual display shows any combination of T1,T2 (52 only)
- T1-T2 plus MIN, MAX, or AVG (52 only)
- Relative time clock on MIN, MAX, and AVG provides a time reference for major events
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- Measures J, K, T, and E-types of thermocouples
- Readout in °C, °F, or Kelvin (K)
- Splash and dust resistant case protected by impact absorbing holster
- User-friendly front panel is easy to set up and operate
- Sleep mode increases battery life; typical 1000-hour battery life
- Battery door allows easy battery replacement without breaking the calibration seal

A



B



MOUSER STOCK NO.	Fluke Part No.	Fig.	Description	Price Each
676-51-2	51-2	A	Single Input	205.00
676-52-2	52-2	B	Dual Input	255.00

61 INFRARED THERMOMETER

Features:

- Non-contact measurements 0° to +525°F
- Bright laser beam provides easy targeting
- Display clearly supplies data at a glance
- Shock-absorbing holster increases ruggedness
- 0.2°C (0.5°F) resolution
- Backlight illuminates the screen in the dark
- Automatic sleep mode after 7 seconds extends battery life
- Alkaline batteries provide 4000 typical measurements

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-61	61	61 Infrared Thermometer	205.00

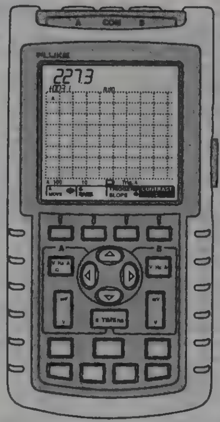
65 INFRARED THERMOMETER

Features:

- Non-contact measurements -40° to +932°F
- Rugged electronics and case with holster
- Bright laser beam provides easy targeting
- Large dual display LCD display clearly supplies data at a glance
- 0.1° resolution up to 200° (1° resolution above 200°)
- Quality backlight illuminates the screen in the dark
- MIN/MAX provides the variation in any measurement
- Store and recall any single temperature
- Automatic sleep mode after 15 seconds extends battery life
- Alkaline batteries provide over 4000 typical measurements
- Includes C50 soft carrying case, batteries and instruction sheet

676-65	65	65 Infrared Thermometer	353.00

120 SERIES INDUSTRIAL SCOPEMETERS®



Features:

- Fast Fault Finding with Connect-and-View™
- Connect-and-View hands-off operation provides rock stable, reliable, and repeatable displays of signals without touching a button.
- All signal detail is revealed, including spikes and noise.
- Even complex signals are triggered automatically and flawlessly.
- The Fluke 123 features unique "single test lead does all measurements" providing intuitive ease of use.
- You can use one and the same set of test leads for waveform display, multiple meter readings, capacitance and resistance measurements, and continuity checking.
- There's no need to swap leads.
- You can perform checks while holding the test leads.
- No adjustments to the ScopeMeter are necessary.
- Battery power provides isolation from ground and delivers optimum mobility with no line cords or ground wire to get in the way of getting good measurements.
- The Fluke 123 Industrial ScopeMeter streamlines troubleshooting tasks making you and your team more efficient.
- 5 Hour NICHD Battery
- 3 Year Warranty

Fluke 124 Enhancements:

- 40 MHZ Bandwidth with new Probes
- 20 Setup/screen memories with text annotation (thru Fluke ScopeMeter software)
- On screen cursor measurements
- 7 hour NiMH battery

Fluke 125 Enhancements:

- Bus Health test for inductrial bus systems
- Power measurements capabilities
- 40MHZ Bandwidth with new probes

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676	123/003	123 with leads only	1199.00
676	123/003S	123 kit with cable, software, leads, and case	1509.00
676	124/003	124 with leads only	1499.00
676	124/003S	124 kit with cable, software, leads, and case	1809.00
676	125/003	Industrial Scopemeter (40MHz)	1749.00
676	125/003S	Industrial Scopemeter (40MHz)	2059.00
Accessories			
676	TL220	SureGrip industrial test lead set	53.00
676	C125	Soft meter case	30.00
676	80I-110S	AC/DC current probe (100A)	440.00
676	I200S	AC current clamp (200A)	169.20
676	80TK	Thermocouple module (Type K)	98.00

190 SERIES SCOPEMETERS®

Features:

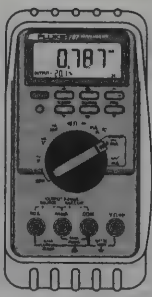
- The new ScopeMeter® 190C Series with large, high-resolution, color screen and new Digital Persistence mode gives you an even better view of complex waveforms in the most demanding troubleshooting applications in the field. In addition to the impressive capabilities of the 190 Series, the new color models offer:
  - Color for easy identification of individual waveforms.
  - Full-size, high-resolution screen for revealing more signal detail.
  - Digital Persistence for analyzing complex dynamic waveforms like on an analog scope.
  - Fast display update rate for seeing dynamic behavior instantaneously.
  - Stop-on-Trigger in ScopeRecord™ mode for storing and analyzing pre-trigger waveform data.
  - Waveform reference for visual comparisons.
  - Vpwm function for motor drive and frequency inverter applications.
  - All the high performance scope specifications of the Fluke190 Series ScopeMeter apply.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676	196B/003	100MHZ B/W display and leads only	2410.00
676	196B/003S	100MHZ B/W display with software, cable and leads	2845.00
676	196C/003	100MHZ color display and leads only	2760.00
676	196C/003S	100MHZ color display with software, cable and leads	3195.00
676	199B/003	200MHZ with B/W display and leads only	2760.00
676	199B/003S	200MHZ B/W display with software, cable and leads	3195.00
676	199C/003	200MHZ color display and leads only	3060.00
676	199C/003S	200MHZ color display with software, cable and leads	3495.00
Accessories			
676	TLK-225	SureGrip master accessory set	106.05
676	DP120	Differential probe	495.00
676	AC220	SureGrip alligator clips	27.00
676	AC283	SureGrip pincer clips	26.90
676	C195	Soft case	125.00
676	C550	Tool bag	69.55
676	80I-110S	AC/DC current probe (100A)	440.00
676	I1000S	AC current clamp (1000A)	404.00
676	I410	AC/DC current clamp (400A)	174.65
676	SW90W	FlukeView ScopeMeter software	215.00

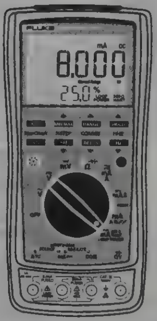
787 AND 789 PROCESSMETERS

787 Features:

- DMM and loop calibrator in one tool
- Clear LCD with backlight; 4,000 counts (30,000 counts for dc current)
- Externally accessible battery for easy battery changes
- 1000V overload protection on V, ohms, frequency
- 150V overload protection on mA, backed-up by 440mA 1000V fuse
- 25% Manual Step plus Auto Step and Auto Ramp on mA output.



787



789

789 Features:

- 24V loop power supply
- Very large dual display
- Enhanced backlight with two brightness settings
- 1200Ω drive capability on mA source
- HART® mode setting with loop power and a built-in 250Ω resistor
- 0% and 100% buttons to toggle between 4 and 2mA sourcing for a quick span check
- Externally accessible fuses for easy replacement
- Infrared port to process data in FlukeView™ Software

MOUSER STOCK NO.		Description	Model	Price Each
Mfr.	Mfr. Part Number			
676	787	Fluke 787 Process Meter		639.00
676	789	Fluke 789 Process Meter		775.00
Accessories			Model	
676	TL220	SureGrip industrial test lead set	787 & 789	53.00
676	AC220	SureGrip alligator clips	787 & 789	27.00
676	TL238	Test lead set for high energy environments	787 & 789	53.00
676	C25	Large soft case for DMMs	787 & 789	27.80
676	I1010	AC/DC current clamp (1000A)	787	283.90
676	I410	AC/DC current clamp (400A)	787	174.65
676	FOM	Fiber optic meter	787	385.60
676	80TK	Thermocouple module (Type K)	787	98.00
676	TPAK	ToolPak, meter hanging kit	789	29.75
676	PV350	Pressure vacuum module	789	326.00
676	80T-150U	Universal temperature probe	789	174.65
676	FVF-SC2	FlukeView forms software with cable	789	167.90

707EX INTRINSICALLY SAFE LOOP CALIBRATOR

The fast, one-handed tool for loop checks in Ex zones.

Features:

- Large display and simple, quick-click push rotary button for easy one handed operation
- Simultaneous mA and % readout for quick, easy interpretation of readings
- mA accuracy of 0.015%, superior to other loop calibrators
- Push button with 25% steps for fast, easy linearity checks
- 0-100% "span check" for fast confirmation of zero and span
- Selectable slow ramp, fast ramp, and step ramp to provide smooth outputs for valve slewing and loop functional tests
- Internal loop supply, so you can power and read a transmitter at the same time without carrying a DMM
- Measures VDC to 28 V
- Innovative output adjustment dial with .001mA and 0.1m resolution
- HART® compatible resistance is connected in series with the loop supply for compatibility with HART® communicators
- ATEX and Factory Mutual Certified
- 1 year warranty

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676	707EX	Intrinsically safe loop calibrator	908.00

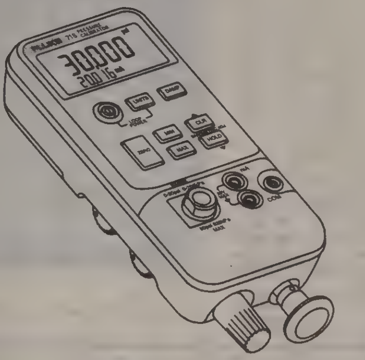
FLUKE Precision Calibration Test Equipment

FLUKE 718 PRESSURE CALIBRATOR

The Fluke 718 Pressure Calibrator is a complete, self-contained calibration solution.

Features:

- Built-in pressure / vacuum hand pump, with vernier and bleed valve.
- New switch test function captures set, reset and dead band.
- Pressure measurement to 0.05% of full span, using an internal pressure sensor.
- Pressure measurements to 10,000 PSI, 700 bar using any of the Fluke 700Pxx Pressure Modules.
- Current measurement with 0.025% accuracy and 0.001 mA resolution.
- Wide range of selectable measurement units for pressure.
- 24 volt loop power supply.
- Min-Max Hold and damp functions.
- 1/8 inch NPT female pressure fitting.
- Simple, push-button user interface.
- Compact size and weight.
- 3 year warranty.



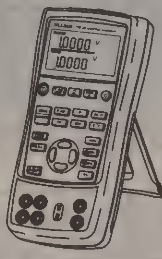
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-718	718 10U	Pressure Calibrator 100 PSIG	1795.00
676-718-30	718 30US	Pressure Calibrator 30 PSIG	1795.00
Accessories			
676-TL220	TL220	SureGrip Industrial Test Lead Set	53.00
676-AC72	AC72	Alligator Clip Set	11.85
676-TL71	TL71	Test Lead Set	19.45
676-AC220	AC220	SureGrip Alligator Clips	27.00
676-C510	C510	Leather Meter Case	48.15

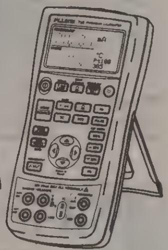
FLUKE 725 MULTIFUNCTION PROCESS CALIBRATOR AND FLUKE 726 PRECISION MULTIFUNCTION PROCESS CALIBRATOR

The Fluke Multifunction Process Calibrators are powerful, yet easy-to-use field calibrators. Use the measure and source functions to test and calibrate almost any process parameter.

Features:

- Small, streamlined shape makes it easy to carry.
- Rugged, reliable design stands up to field use.
- Easy to read measure/source screen lets you view input and output simultaneously.
- Measure volts, mA, RTDs, thermocouples, frequency and ohms to test sensors and transmitters.
- Source/simulate volts. mA, thermocouples, RTDs, frequency, ohms, and pressure to calibrate transmitters.
- Measure/source pressure using and of 29 Fluke 700Pxx Pressure Modules.
- Source mA with simultaneous pressure measurement to conduct valve and I/P tests
- Support flow meter testing with frequency and CPM functions.
- Perform fast linearity tests with auto-step and auto-ramp features.
- Power transmitters during test using loop supply with simultaneous mA measurement.
- Store frequently used test setups for later use.
- Backlight lets you work in poor light.
- Large battery capacity of four AA cells.
- 3 Year Warranty


725


726

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-725	FLUKE 725	Multifunction Process Calibrator	1995.00
676-726	FLUKE 726	Precision Multifunction Process Calibrator	2695.00
Accessories			
676-TL220	TL220	SureGrip Industrial Test Lead Set	53.00
676-AC72	AC72	Alligator Clip Set	11.85
676-TL71	TL71	Test Lead Set	19.45
676-AC220	AC220	SureGrip Alligator Clips	27.00
676-TL238	TL238	Test Lead Set for High Energy Environments	53.00
676-C125	C125	Soft Meter Case	30.00
676-TPAK	TPAK	ToolPak, Meter Hanging Kit	29.75
676-I1010	I1010	AC/DC Current Clamp (1000 A)	283.90
676-I410	I410	AC/DC Current Clamp (400 A)	174.65

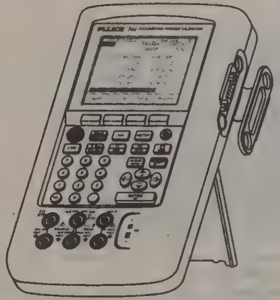
FLUKE 744 DOCUMENTING PROCESS CALIBRATOR - HART

The 744 is a power multifunction documenting calibrator that lets you download procedures, lists, and instructions created with software or upload-data for printing, archiving, and analysis.

Features:

- Contains a powerful built-in HART® interface.
- Measure volts, mA, RTDs, thermocouples, frequency, and ohms to test sensors, transmitters and other instruments.
- Source/simulate volts, mA, thermocouples, RTDs, frequency, ohms, and pressure to calibrate transmitters.
- Power transmitters during test using loop supply with simultaneous mA measurement.
- Measure/source pressure using any of 29 Fluke 700Pxx Pressure Modules.
- Create and run automated as-found/as-left procedures to satisfy quality programs or regulations.
- Record and document results.
- Holds up to a full week of downloaded procedures and calibration results.
- Use many features like autostep, custom units, user entered values during test, one-point and two-point switch testing, square root DP flow testing, programmable measurement delay, etc.
- Easy to use.
- Three year warranty.
- Bright white dual display. Read both sourced and measured parameters simultaneously.
- Multi-lingual interface.
- Rechargeable NiMH battery for 10 hour uninterrupted use. Includes gas gauge.
- Handling of fast pulsed RTD transmitters and PLCs, with pulses as short as 1 ms.
- Delivered with DPC/Track Sample Software.
- Compatible with many Asset Management software packages.

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-744	744-120	Documenting Process Calibrator	5495.00
Accessories			
676-AC220	AC220	SureGrip Alligator Clips	27.00
676-C789	C789	Soft Meter Case	91.20



HART Capabilities

The 744 is designed to take on nearly all the day-to-day tasks you now perform with a separate communicator. In fact, it offers the communication capabilities of the 275 HART communicator. Requires no external box or second tool for everyday HART calibration and maintenance.

Features:

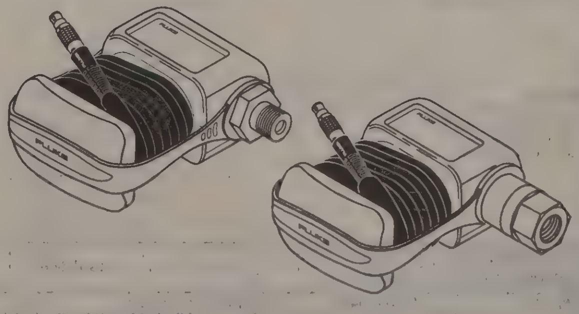
- Offers fast HART communication.
- Supports popular models of HART transmitters, with more devise-specific command support than any other HART field calibrator.
- Works with multiple masters, burst mode, and multi-drop configurations.
- Is easy to update as additional instruments are added and new HART versions are released.
- Interrogate to determine device type, manufacturer, model, tag.
- Reconfigure the sensor mapping of dual sensor temperature transmitters.
- Read HART PV function and smart transmitter digital output while measuring analog mA output.
- Read and write HART configuration functions to make field adjustments to PV range points, damping, and other top-level configuration settings.
- Re-label smart transmitters by reading and writing to the HART tag field.

FLUKE PRESSURE MODULES FOR CALIBRATORS

Features:

- Display pressure readings in any of 10 different pressure units you specify in the calibrator setup.
- Rugged urethane molded case protects the module from rough handling and harsh conditions.
- Internal temperature compensation from 0°C to 50°C for full-accuracy performance.
- Includes NIST-traceable calibration certificate.
- Module can be calibrated locally using the Fluke 700PCK Pressure Calibration Kit, a PC, and a precision pressure source.
- One year warranty.

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-700P05	700P05	Pressure Module, 0-30 PSIG	1005.00
676-700P06	700P06	Pressure Module, 0-100 PSIG	1005.00
676-700P07	700P07	Pressure Module, 0-500 PSIG	1005.00
676-700P27	700P27	Pressure Module, 300 PSIG	1005.00
676-700P08	700P08	Pressure Module, 0-30PSIA	1005.00
676-700P09	700P09	Pressure Module, 0-100PSIA	1005.00
676-700PA5	700PA5	Pressure Module, 0-1000 PSIG	1209.00
676-700PA6	700PA6	Pressure Module, 1500PSIG	1209.00



271 DDS FUNCTION GENERATOR WITH ARB HIGH PERFORMANCE FUNCTION GENERATOR

FLUKE 271 10MHz DDS FUNCTION GENERATOR
FREQ=10.00000MHz
Vhiz=+20.0 Vpp 50Ω
DC=+0.00mV (+0.00mV)
SYM=50.0% (50.0%)

The 271 is a high performance function generator using Direct Digital Synthesis techniques. A wide variety of standard waveforms are provided and an arbitrary waveform capability allows it to be used to generate non-standard and user-defined waveforms. Extensive modulation capabilities make this a highly versatile signal source.

Features:
- High stability 10 MHz DDS function generator
- Arbitrary capability with storage for five user defined waveforms
- Multiple standard and complex waveforms recalled from internal memory
- Extensive modulation capabilities include sweep, AM, Gating, Trigger/Burst, FSK and Hop GPIB and RS-232 interfaces

Waveforms

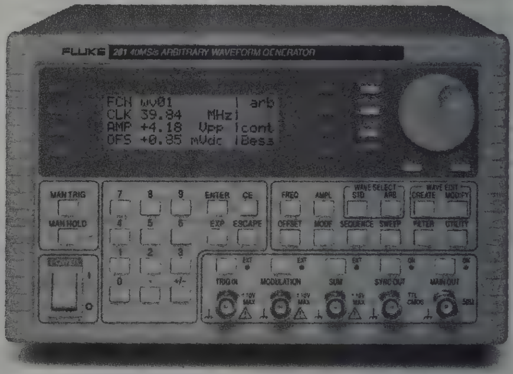
Standard waveforms are sine, square, positive pulse, negative pulse, triangle, ramp up, ramp down. Additionally arbitrary waveforms, multi-level squarewaves, waveform hopping and pseudo-random noise can be generated.

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-271	Fluke-271	0.1 to 10 MHz Function Generator w/ Arb	1495.00
Accessories			
676-Y200H	Fluke-Y200H	RackMount Kit HalfRack 271/ 281	320.00
676-SW200ARB	Fluke-SW200ARB	Waveform Manager Plus software for 27X Generators	395.00

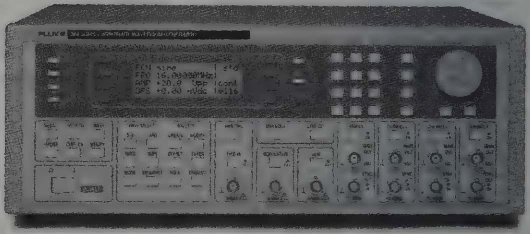
280 SERIES WAVEFORM GENERATORS

These universal waveform generators combine many generators in one instrument. Their extensive signal simulation capabilities include arbitrary waveforms, function generator, pulse/pulse train generator, sweep generator, trigger generator, tone generator, and amplitude modulation source.

Features:
- Choice of 1, 2 and 4 independent or linked channels
- 40 MS/s max. sampling speed
- 16 MHz function generator
- 10 MHz pulse generator
- Pulse train pattern generator
- Arbitrary waveforms of up to 65 k points
- Powerful modulation capabilities
- Built-in trigger generators
- Waveform Manager Plus for Windows® software
- Multiple standard waveforms recalled from internal memory
- RS-232 and GPIB interfaces



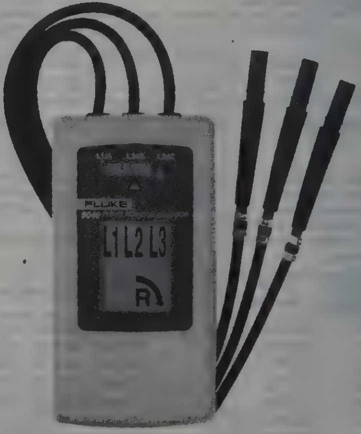
281 Model Shown



282 Model Shown

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-281	Fluke-281	Channel 40 MS/s Arbitrary Waveform Generator	1995.00
676-282	Fluke-282	Channel 40 MS/s Arbitrary Waveform Generator	3395.00
Accessories			
676-Y200H	Fluke-Y200H	RackMount Kit HalfRack 271/ 281	320.00
676-Y200F	Fluke-Y200F	RackMount Kit FullRack 282/ 284	320.00

9040 PHASE ROTATION INDICATOR



The Fluke 9040 is effective for measuring phase rotation in all areas where three phase supplies are used to feed motors, drives and electrical systems. The Fluke 9040 is a rotary field indicator and can provide clear indication of the 3 phase via an LCD display and the phase rotation direction to determine correct connections. It allows rapid determination of phase sequence and has a voltage (up to 700 V) and frequency range suitable for commercial and industrial applications. The included test probes have a variable clamping range for safe contact, also in industrial sockets.

Features:
- 3 phase indication
- Indication of phase rotation
- Clear LCD display
- No battery required

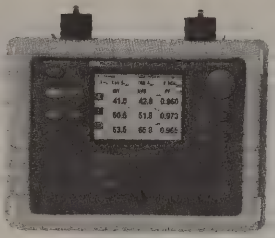
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-9040	Fluke-9040	Phase Rotation Indicator	220.00

FLUKE Test Equipment

1735 POWER LOGGER

NEC compliant load studies, energy consumption testing, and general power quality logging

The Fluke 1735 Power Logger is the ideal electrician's tool for conducting load studies according to National Electric Code 220.65. Set the 1735 up in seconds with the included flexible current probes and color display. The 1735 also logs most electrical parameters and harmonics as well as capturing voltage events.



Includes:
- Soft carrying case
- 4 flexible current probes (15 A/150 A/3000 A)
- Power Log software
- Voltage leads and clips
- Color localization set
- PC interface cable
- Universal AC adapter
- Printed English manual
- Multi-language manual CD

Features:
- Record loading according to NEC 30-day load study requirement
- Monitor demand at 15 minute or user-defined averaging periods
- Prove the benefit of efficiency improvements with energy consumption tests
- Measure harmonic distortion caused by electronic loads
- Improve reliability by capturing voltage dips and swells from load switching
- Easily confirm instrument setup with color display of waveforms and trends
- Measure all three phases and neutral with included 4 flexible current probes
- View graphs and generate reports with included Power Log software
- Compact, rugged design with IP65 case, 600 V CAT III and 2-year warranty

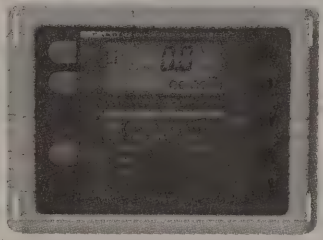
MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-1735	1735	Power Logger- Analyst	2495.00

1623 AND 1625 GEO EARTH GROUND TESTERS

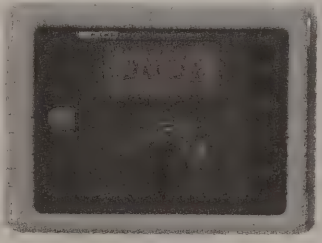
Fluke Delivers Stakeless Testing for quicker and more convenient Earth Ground Testing

The new Fluke 1623/1625 GEO Earth Ground Testers offer an innovative solution, called Stakeless testing, to make your earth ground loop resistance testing quicker and easier. The Fluke Earth Ground testers are able to measure earth ground loop resistances using only clamps. With stakeless testing, the earth ground rod does not need to be disconnected - leaving the bonded earth ground system intact during test. And gone are the days of spending time placing and connecting stakes for each earth ground rod on your system– a major time saver.

The Fluke 1623/1625 testers are indispensable troubleshooting tools to help you maintain uptime. With frustrating, intermittent electrical problems, the problem could be related to poor grounding or poor power quality. That is why it is highly recommended that all grounds and ground connections are checked at least annually as a part of your normal predictive maintenance plan.



Model 1625



Model 1623

Features:

Both the Fluke 1623 and 1625 can perform:
- Fall of potential testing (using stakes) (s- and 4- pole)
- 4 Pole Soil Resistivity testing (using stakes)
- Selective testing (using 1 clamp and stakes)
- Stakeless testing (using 2 clamps only)

The Fluke 1625 has additional features:
- Automatic Frequency Control (AFC): Identifies interference and chooses a suitable measuring frequency to minimize its effect, providing more reliable earth ground values
- R* Measurement: Calculates earth ground impedance at 55Hz to more accurately reflect the earth ground impedance that a fault-to-earth ground would see
- Adjustable Limits: For quicker testing

Included with the 1623/1625 Testers
- Fluke-1623 or Fluke-1625 tester
- Test Leads
- Batteries
- Manual

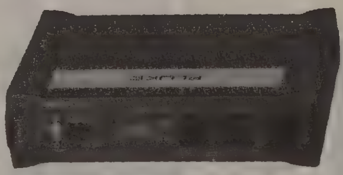
Included with the 1623/1625 Kit:
- Fluke-1623 or Fluke-1625 tester
- EI-1623 or EI-1625, Selective/Stakeless Clamp Set - which contains: 4- earth ground stakes, 2- 25m cable reels, 1- 50m cable reel
- ES-162P4, 4 Pole Stake Kit – which contains 1- Sensing clamp, 1- Inducing clamp.
- Test leads
- Batteries
- Manual
- Rugged carrying case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-1623	1623	Basic GEO Earth Ground Tester	1275.00
676-1623-KIT	1623KIT	Basic GEO Earth Ground Tester Kit	2150.00
676-1625	1625	Advanced GEO Earth Ground Tester	2250.00
676-1625-KIT	1625KIT	Advanced GEO Earth Ground Tester Kit	3100.00

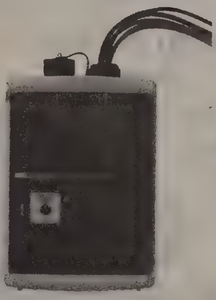
1740 SERIES POWER QUALITY LOGGERS

Assess power quality and conduct long-term studies with compact, rugged loggers and included analysis software

The Fluke 1740 Series Power Quality Loggers are the power quality technician's everyday instrument. Capable of logging over 500 parameters for up to 85 days, the Fluke 1740 Series helps uncover intermittent and hard-to-find issues. The included PQ Log software quickly assesses the quality of power at the service entrance, substation, or at the load according to the latest EN50160 standard.



Model 1745



Model 1744

Model 1743

Features:
- Measure all three phases and neutral with included 4 flexible current probes
- No power supply or batteries required,logger and current probes are powered from voltage inputs
- Accurately validate system performance with IEC 61000-4-30 class A voltage accuracy (0.1% of VI) and EN50160 overview
- Trend recorded data, generate reports, and monitor real-time with included PQ Log software
- Set up in minutes with the self-identifying current probes and single lead voltage connections
- Assess severity of power quality problems by capturing up to 13.000 dips, swells, or interruptions
- Designed for rugged field use with IP65 case (1743/4), -10°C +55°C operating range, 600 V CAT III and 2-year warranty

Includes:
- Soft carrying case
- 4 flexible current probes (15 A / 150 A / 1500 A / 3000 A)
- PQ Log software
- Voltage leads and clips
- Color localization kit
- PC interface Cable
- International plug adapters
- Printed English manual
- Multi-language manual CD

Feature:	1743	1744	1745
Logs voltage, current, dips, swells, interruptions, voltage harmonics, power, energy	•	•	•
Logs current harmonics, interharmonics, flicker, frequency		•	•
Dust/water resistance	IP 65	IP 65	IP 50
Display	LEDs	LEDs	LEDs+LCD
UPS	1s	1s	> 5 hrs
Memory	8 MB	8 MB	8 MB

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-1743	1743	Power Quality Logger- Memobox	4295.00
676-1744	1744	Power Quality Logger- Memobox	5395.00
676-1745	1745	Power Quality Logger- Memobox	6495.00

FLUKE 43B POWER QUALITY ANALYZER

Features:

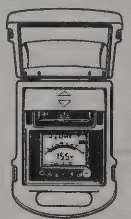
- Combines the most useful capabilities of a power quality analyzer, multimeter and scope
- Calculates 3-phase power on balanced loads, from a single-phase measurement
- Measures power harmonics, and captures voltage sags, transients and inrush current
- Monitoring functions help track intermittent problems and power system performance
- Menus use familiar electrical terminology
- Toggle through the most commonly used power quality modes with a single keystroke
- Records two selectable parameters for up to 16 days
- 20 measurement memories to save/recall screens and data with cursor readings
- FlukeView® Software can log harmonics and all other reading over time
- FlukeView® Software provides a complete harmonics profile up to the 51st harmonic
- Measures resistance, diode voltage drop, continuity, and capacitance
- Users / applications manual and power quality video to help answer tough questions
- Complete package with voltage probes and 500A current clamp, FlukeView Software and optically isolated interface cable
- 3 year warranty on the Fluke 43B, 1 year on accessories

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676	43B/003	Power Quality Analyzer	2584.00
676	TL220	SureGrip Alligator Clips	53.00
676	TLK-225	SureGrip Master Accessory Kit	106.05
676	TL224	SureGrip Insulated Test Leads	20.50
676	TL238	Test Lead Set for High Energy Environments	53.00
676	80TK	Thermocouple Module (Type K)	98.00

FLUKE 1550B MEGOHMMETER

Features:

- Test voltages of 250V, 500 V, 1000 V, 2500 V, and 5000 V
- Capable of testing in 50V increments between 250V and 1000V and 100V increments between 1000V and 5000V
- Measures 0 to 1 Tera-Ohm
- Warning voltage function alerts the user that line voltage is present and gives the voltage reading up to 600 V AC or DC
- Guard system eliminates the effect of surface leakage current on high-resistance measurements
- Large digital/analog LCD shows detailed measurement data
- Cable or insulation capacitance
- Leakage current
- Ramp function (0-5000 V DC) for breakdown testing
- Timer 1 to 99 minutes
- Polarization index and dielectric absorption calculated automatically
- 99 memory locations store all measurements parameters
- Includes Quicklink 1550B Software and Optical Interface cable
- Two year warranty



Included Accessories:

- Test leads and low-leakage probes
- Alligator Clips
- Interface adapter and cable
- Quicklink 1550B PC software
- Line cord
- Soft carrying case with waterproof bottom
- User's manual

676	1550B	Digital Insulation Tester	3299.00
676	TL223	Electrical Test Lead Set	53.00
676	TPAK	ToolPak, Meter Hanging Kit	29.75

FLUKE VOLTALERT 1AC-A1-II

Features:

- Fits in a shirt pocket for convenience
- All outer surfaces are non-conductive for safety
- Detects voltage without metallic contact
- Manufactured, printed and packaged in the US
- Locates the hot, neutral and ground terminals in any receptacle

Specifications:

- Operating Range: 90Vac to 600Vac
- Operating Temperature: -10°C to 50°C (14°F to 122°F)

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676	1AC-A1-II	VoltAlert 1 AC-A1-II	25.25

FLUKE VOLT LIGHT

Non-Contact AC Voltage Detector & LED Flashlight

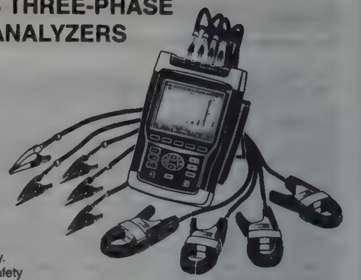
NEW FROM SUPPLIER

Features:

- Dual Sensitivity
- LED light with 100,000 hour light
- Detects from 90 to 600 Volts
- Rated to CAT IV 600V
- Dual Levels of Detection
- Blue indicates proximity to AC Voltage source
- Red indicates your're at the source
- Operating temperature 0 deg C to 50 deg C
- Ultra-Bright White LED
- 100,000 hr bulb
- AAA battery included

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676	LVD2	Volt Light	29.95

FLUKE 430 SERIES THREE-PHASE POWER QUALITY ANALYZERS



Features:

- Complete three-phase troubleshooting tool.
- AutoTrend
- System-Monitor
- Four channels: simultaneously measures voltage and current on all three phases and neutral
- Automatic transient display: captures up to 40 dips, swells, interruptions, or transients automatically.
- Meets the stringent 600 V CAT IV, 1000 V CAT III safety standard required for measurements at the service entrance.
- Rugged, handheld instrument operates for more than
- 7 hours on included rechargeable NiMH battery pack.
- Menu-driven interface simplifies operation.
- Extensive data analysis possibilities. Cursors and zoom can be used live while taking the measurements, or offline on stored measurement data. The stored measurements can also be transferred to a PC with FlukeView software (included with Fluke 434).
- Complete package includes everything to get started: 4 current clamps, 5 voltages test leads and clips, line adapter/battery charger and hard case.
- Complies with IEC 61000-4-30 measurement standards.
- 3 Year Warranty

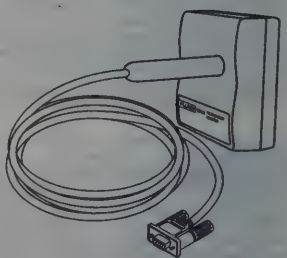
NEW FROM SUPPLIER

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-435/003	435	Power Quality Analyzer 3 phase	6995.00
676-434/003	434	Power Quality Analyzer 3 phase	4995.00
676-433/003	433	Power Quality Analyzer 3 phase	3858.82
676-I400S	I400S	AC Current Clamp	196.50
676-I400	I400	AC Current Clamp	109.15
676-TLS430	TLS530	Test Lead Set	84.80
676-WC100	WC100	Multi Color Wire Clips	28.10

FLUKE VR101S VOLTAGE EVENT RECORDER

Features:

- The Fluke VR101S is the perfect system for catching sags, swells, transients, outages and frequency variations on line voltage at receptacles, where the most sensitive loads are connected.
- The VR101S is a starter system that includes a compact VR101 event recorder, an optical interface cable, and EventView software that turns your PC into a power quality reporting tool.
- Additional VR101 event recorders can be purchased individually, so you can monitor several voltage conditions at multiple locations at once.

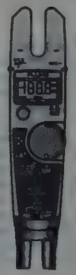


MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-VR101S/003	VR101S	Voltage event recorder system	699.00
676-VR101/003	VR101	Voltage event recorder	599.00

FLUKE T5 VOLTAGE, CONTINUITY AND CURRENT TESTERS

Features:

- Automatically measures volts ac and volts dc with precise digital resolution
- Displays resistance to 1000Ω
- Easy and accurate OpenJaw™ current measurement
- Continuity beeper
- Compact design with convenient probe storage
- Rugged enough to withstand a 10-foot (3m) drop
- Detachable SlimReach™ probe tips are customized for national electrical standards
- Test leads accept Fluke accessory test clips
- Available in 600V and 1000V models
- Can stay connected much longer than solenoid type tester
- Auto off mode to conserve battery life
- Optional holster attaches to a belt
- Two-year warranty
- 1 year calibration cycle

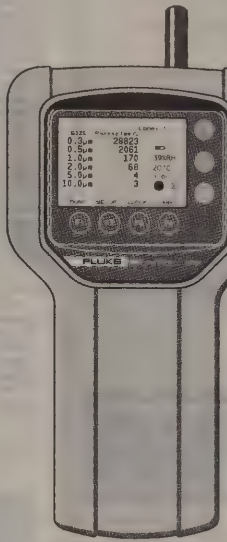


600V illustrated

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part Number		
676	T5-600	600V General Purpose Electrical Tester	99.95
676	T5-1000	1000V General Purpose Electrical Tester	124.95
676	T5-KIT	Access. Starter Kit: TP220 Probes, AC285 Alligator Clips, C33 Case	37.10

983 PARTICLE COUNTER

The new Fluke 983 Particle Counter is the preferred choice for HVAC and IAQ professionals. From filter testing to IAQ investigations, the Fluke 983 is the portable solution for determining airborne particle concentrations. Use the Fluke 983 to immediately respond to occupant complaints, or as part of a comprehensive preventive maintenance program.



Features:
- Multifunction Vacuum Fluorescent Dual Display
- Simultaneously measure and display 6 channels of particle sizes, temperature and humidity
- Measure particle size down to 0.3 μm
- Selectable sample time, count data, programmable delay
- Store 5000 records of date, time, counts, relative humidity, temperature, sample volumes, alarms and location label
- Upload stored data to a PC with included software
- Compact, self-contained package allows for one-handed operation
- Intuitive, easy to use user interface
- Always ready to run, with no fluids to refill
- Backlit LCD for use in any lighting condition
- 8 hour rechargeable NiMH battery
- Protective holster

Model Includes:
- Certificate of Calibration (NIST)
- Windows-compatible software download utility
- DB9 to RS-232 adapter and cable
- Isokinetic probe
- Zero count filter
- High purity tubing
- 1/8 in. hose barb adapter
- Power supply
- Operation manual
- Hard molded plastic case

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-983	983	Particle Counter	4495.00

971 TEMPERATURE HUMIDITY METER

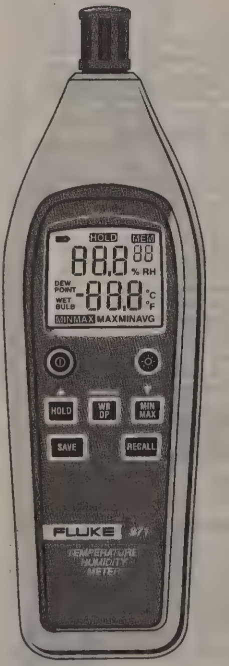
Quickly take accurate humidity and temperature readings in the air.

The Fluke 971 measures temperature, dew point or wet bulb from -20 °C to 60 °C (-4 °F to 140 °F, ±1.0 °F) and measures relative humidity from 5 percent to 95 percent, ±2.5 percent RH.

Its 99-point data storage capacity means users can take multiple readings and store them for later analysis. The Fluke 971 Temperature Humidity Meter features a liquid crystal display with backlight and a low battery indicator. The unit operates on four AAA alkaline batteries.

Temperature and humidity are key variables in determining the performance of HVAC systems and the comfort of building occupants. In addition, the accumulation of moisture can generate high humidity levels that foster the growth of bacteria and mold, which in turn can cause health problems, financial liability and costly remediation challenges.

With its pocket-size convenience and durability, the Fluke 971 gives HVAC technicians and building managers an accurate, simple tool to ensure HVAC systems are operating within specification. Industrial hygienists will find it useful for identifying conditions that encourage biological growth, and verifying that measures to control humidity are working.



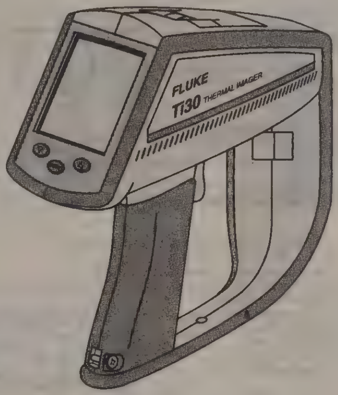
Features:
- Backlit dual display of humidity and temperature
- 99 record storage capacity
- Ergonomic design with belt clip and protective holster
- Quick-response capacitance sensor with twist-open protective cover
- Compact and lightweight (190 g/6.7 oz)
- Temperature range from -20 °C to 60 °C (-4 °F to 140 °F)
- Measures dew point and wet bulb
- Relative humidity from 5 % to 95 %
- Min/Max/Avg data hold
- Low battery indicator

MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-971	Fluke-971	Temperature Humidity Meter	189.00

TI30 THERMAL IMAGER

The Fluke Ti30 Thermal Imager is just what you need to make an effective predictive maintenance program easy, fast, accurate and affordable. It's the tool you'll reach for again and again for scheduled inspections, quick spot checks, and everything in between. Start or enhance your predictive maintenance program with the imager that gives you the features, software, and temperature range without the big price tag.

Included Accessories:
- Docking Station with Universal Power Adapter and USB Connection
- Hardshell Carrying Case
- USB Field Cable
- Rechargeable Battery Pack
- AA Battery Pack (batteries not included)
- Interactive CD with InsideIR Software and User Manual
- Training Presentation CD
- Carrying Pouch
- Wrist Strap
- Quick Reference Card
- One Seat in Professional Training Course



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-TI30	TI30	TI30 Thermal Imager	9995.00

68IS INTRINSICALLY SAFE NON-CONTACT HANDHELD INFRARED THERMOMETER

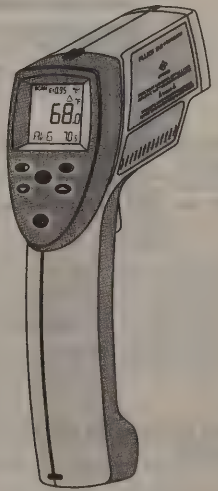
The 68IS model is available for the noncontact temperature monitoring needs of potentially explosive or flammable environments.

Optical resolution
The laser sighting system guides measurements to the right target and indicates the approximate center of the measurement area. (D:S = distance to spot using 90% encircled energy at focal point).

The **68IS (Intrinsically Safe)** model is approved by Factory Mutual Research, a USA organization, for use in hazardous locations. Factory Mutual Research Intrinsically Safe approval, including probe (Intrinsically Safe, Class I, Division 1, Groups A, B,C,D Class I, Zone 0, AEx ia IIC, T4 at 50 C when used with 9 V alkaline battery.) Approval does not apply to atmosphere containing coal dust, grain dust, metal dust, or fibers.

Features:
- Laser guided sighting system for easy targeting with 1 % accuracy
- 12-point data logging
- Advanced optics to measure smaller targets at greater distances
- Adjustable emissivity for more accurate temperature measurements
- Selectable MAX, MIN, DIF and AVG functions that display values instantly with Hi/Lo Alarm
- Expanded measurement range up to 760 °C (1400 °F)
- Optional probe accessory available for dual contact and non-contact temperature measurements

Included with the Fluke 68IS:
- 9 V alkaline battery
- User Manual
- Durable hard case
- RTD Temperature probe



MOUSER STOCK NO.	Fluke Part No.	Description	Price Each
676-68IS	Fluke-68IS	Intrinsically Safe	759.00
Accessories			
676-H6	H6	Infrared Thermometer Holster	32.10

FUNCTION AND PULSE GENERATORS

2001A Low Cost Function Generator

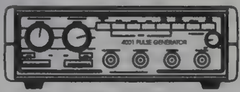
- Exceptionally low sine wave distortion
- Sine, square, triangle plus TTL outputs
- <1% THD or <1% sine wave distortion
- Sweepable 100:1 with ±10 volts input
- 1Hz to 0.2MHz
- Variable DC offset
- High and low level variable 50 and 600 ohm outputs

Global Specialties P/N 105-2008

510-2001A	199.95

4001 Digital Pulse Generator 5 MHZ Ultra-variable

- Independent settings of pulse width & spacing
- Outputs from 0.5 Hz to 5 MHz
- Four modes: run, triggered, gated, one-shot
- Symmetrical square wave outputs
- Complement output - inverts waveforms
- Variable output for CMOS circuits
- Now in new metal enclosure/with handle

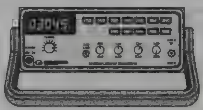


Global Specialties P/N 105-4001

510-4001	274.95

2030 Function Generator

- Frequency range .3Hz to 3Hz in 7 ranges
- Wave forms: sine, square, triangle and ramp TTL and CMOS output
- External voltage controlled frequency (VCF) function
- Duty cycle control with signal inversion capability
- Variable DC offset control
- Two-step (-20dBx2) and variable attenuator
- Built-in 6 digit counter with INT/EXT function up to 150Mhz/high resolution

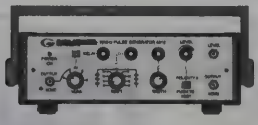


Global Specialties P/N 105-2030

510-2030	349.95

4010-10 MHZ Pulse Generator

- Frequency range 0.1Hz to 10MHz
- Fast rate-up to 10MHz
- Eight crystal derived accurate spot frequencies
- Low rise and fall time <10ns
- Variable pulse width
- Adjustable pulse delay
- Manual/External triggering facility
- Normal and inverted output
- Heavy duty metal case with adjustable handle
- 3-Year warranty



Global Specialties P/N 105-4010N

510-4010	289.95

1522 and 1523 Digital Wattmeter

- Measures true RMS voltage
- True RMS current to 20 amps
- Measures true power to 2,000 watts
- Touch-activated switches
- Large 3.5 digit green LED digital display
- Front and rear outlets
- Powered over range indication
- Rugged case design

Global Specialties P/N 105-1522

510-1522	575.00

- Measures true RMS up to 2600 watts
- R5232 computer interface
- Measuring ranges for frequency, voltamps and scanning of all the measuring ranges
- Backlit LCD

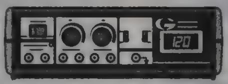
Global Specialties P/N 105-1523

510-1523	545.00

DC POWER SUPPLIES

1310 Triple Output Power Supply

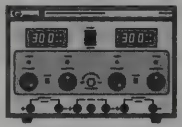
- **Model 1310:** Two outputs 1.2 to 20VDC @ .25 amps one fixed output + 5VDC @ 1A
- Isolated outputs can be combined to double voltage or current
- Ext. short circuit protected variable attenuator
- Now in new metal enclosure/with handle



MOUSER STOCK NO.	Global Part No.	Description	Price Each
510-1310	105-1310	1.2-20VDC @ .25 amps	199.00

1302B Triple Output DC Power Supply

- Triple output, two 0-32V @ 2A and one 5VDC (variable from (4.5VDC to 5.5VDC) @ 5A.
- Isolated, independent supplies.
- Series and parallel operation.
- Short circuit protected
- Two digital readouts - monitor current or voltage.
- Constant voltage or constant current mode with green & red LED indicators
- Heavy duty transformer isolated design

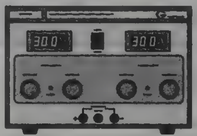


Global Specialties P/N 105-1307

510-1302	645.00

1332A Single Output DC Power Supplies

- Continuously variable with coarse and fine controls.
- Model 1332A: 0-32V/ 0-5A
- Short circuit protected.
- Two digital readouts - Monitors current and voltage simultaneously.
- Constant voltage or constant current mode with LED indicators.
- Heavy duty transformer isolated design.



MOUSER STOCK NO.	Global Part No.	Description	Price Each
510-1332A	105-1333	Single range	389.95

1305 Dual Output 0-32V @ 5AMP Reg. DC Power Supply

- Two cont. variable 0-32VDC @ 5 AMP outputs w/coarse and fine adjust
- Constant voltage (CV) or constant current (CC) operation with LED indicators
- Automatic transition from CV to CC mode at any voltage or current within the range
- Separate front panel 3 digit green LEDs to monitor voltage and current of each output
- Each output is isolated which enable series or parallel operation that extends the output capabilities to either 0-64VDC @ 5 amps or 0-32VDC @ 10 amps
- Remote sensing available on each output
- Automatic overload and short circuit protection
- 115-120 VAC @ 60Hz or 210-220VAC @ 50Hz operation
- Two sets of plug-in test leads with convenient alligator clip connectors
- Heavy-duty design with convenient handles for carrying

Global Specialties P/N 105-1305

510-1305	970.00

3100 Capacitance Meter

- Large 4 digit LCD display
- Dual display mode one 4 digit and the other 3 digit
- Auto-ranging, 5000 count resolution and wide frequency range: 0.1pF to 50mF
- Ten memories for high/low limit settings even if power is shut off
- Static recording so you will know max, average and min value without calculation
- Relative mode for simple measuring differences between standard and measuring values
- 10 special function modes
- Measures components in-circuit

Global Specialties P/N 105-3100N

510-3100	141.00

AC POWER SUPPLIES

1510 / 1515 Variable Line AC Sources

- Wide operating frequency range 47-450Hz
- High continuous current outputs:
- Cont. variable outputs of 0 to 130 VAC
- Built-in analog voltmeter and ammeter with 2% full scale accuracy
- Power on/off switch and special output on/off voltage load switch
- Separate input and output fuses for double protection
- Rugged design yet portable with unique adjustable handle

MOUSER STOCK NO.	Global Part No.	Description	Price Each
510-1510 510-1515	1510 1515	1510: 0-10 Amps Cont. 1515: 0-15 Amps Cont.	355.00 399.95

1504, 1505, 1506, Variable Line Supply Series

- Model 1504 single range: 0-150VAC@4A
- Model 1505 dual range: 0-130VAC@4A 0-260VAC@2A
- Model 1506: 240V input, dual range output same as 1505
- Triple isolated continuously variable AC output
- Power line leakage and current measurement facilities
- 3 digit DPM for high accuracy
- Capacitive coupling less than 0.005pF
- Galvanic leakage less than 10μA
- 120dB attenuation for common mode noise

MOUSER STOCK NO.	Global Part No.	Description	Price Each
510-1504	105-1504	Single range	455.00
510-1505	105-1505	Dual range	640.00
510-1506	105-1506	240V input	655.00

1507 Variable AC Line Supply

- Variable isolated AC output from 0 to 150VAC
- Cont. 10 AMP output current to a maximum of 1300VAC
- Variable current adjust
- Two parallel, three prong AC outlets allow the unit to be used for more than one load
- Two 3.5 inch high analog meters: one monitors AC line or output voltage and the other displays output current or leakage
- Leakage indicator and reset switch
- Audible alarm to warn of "hot" chassis or shorts
- Output overload indicator
- AC input fuse protected
- AC output adjustable current
- Relay with manual reset

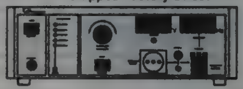
Global Specialties P/N 105-1507

510-1507	985.00

3 Output AC Source

- 3 Output Frequency Ranges 50Hz, 60Hz, & 400Hz and variable in each range
- Separate outputs for 115V & 230V for safer operation
- Electronic protection for output overload
- Low Distortion true sine wave output
- 2 meters display output voltage & frequency
- Standard 19" rack mountable

"Shipped Factory Direct"



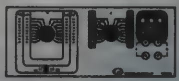
Global Specialties P/N 105-1550

510-1550	2825.00

Resistance / Capacitance Circuit Box

- Convenient selection of standard resistors & capacitor value separately or in series &parallel RC combinations
- 36 resistors ranges in values from 15Ω to 10MΩ, 1 watt 10%
- 18 capacitor ranges in values from 100 picofarads to .22 microfarads, 600 volts 10%
- Perfect for all types of education experiments and circuit designs with Global Specialties Protoboards and Breadboards Design Trainers
- Compact Design
- Black and red test leads with convenient alligator clip connectors

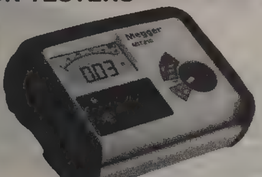
RoHS Compliant



Global Specialties P/N 105-RC-10

510-RC-10	179.95

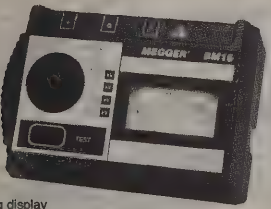
MEGGER MIT300 SERIES HANDHELD INSULATION TESTERS



Features:
- Extremely easy to use
- Tough rubber armored case
- Self contained protective cover
- 3 Year Warranty
- Insulation Resistance to 1000MΩ
- Live circuit warning
- Weatherproof to IP54
- Intelligent Safety System for protection

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	MIT300	250 and 500V	395.00
840—	MIT310A	250, 500, and 1000V Analog	460.00
840—	MIT310	250, 500, and 1000V with Resistance Range	470.00
840—	MIT330	250 and 500V Backlighting	595.00
Accessories			
840—	EV6220-779	Test Lead Set	93.00
840—	EV6220-781	Remote Probe for MIT320, MIT330	100.00
840—	6220-789	Fused Test Lead Set	110.00
840—	210835	Soft Fabric Case	46.00

MEGGER MJ15 AND BM15 5-KV INSULATION TESTERS

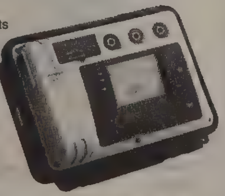


Features:
- Large, single scale analog display
- Auto voltage measurement function indicates conductor and auto discharge potential
- Supplied with optional locking test button for maximum safety
- Safety recessed terminals and long connectors
- Four output test voltages 500, 1000, 2500, 5KV
- Simple to use and measures to 20 G ohm
- CE marked
- Dual power supply option on MJ15
- Unique scale overlay for pass/fail bands
- Shock mounted analog scale for rugged outdoor use
- Complete with case and leads
- 3 Year Warranty

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	BM15	Battery Powered Tester	2010.00
840—	MJ15	Hand-Crank and Battery	2215.00
Accessories			
840—	CB101	Calibrated Check Box	625.00
840—	EV6320-240	Fused Test Lead Set	170.00
840—	EV6420-117	Carrying Case	240.00
840—	EV6121-401	Slide-In Pass-Band Overlays	20.00
840—	210949	Test Record Card (100 pack)	10.00

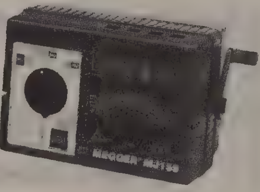
MEGGER MIT510/520/1020 INSULATION TESTERS

Features:
- Line supply or battery operated
- Measurement range to 15 T1/2 (MIT510 & MIT520) and 35 T1/2 (MIT1020)
- Digital/analog backlit display
- Automatic insulation resistance tests
- Automatic dielectric absorption ratio, polarization index, step voltage, and dielectric discharge tests (MIT520 and MIT1020)
- RS232 or USB download of results (MIT520 and MIT1020)
- Ingress protection to IP65
- 3 mA short circuit current



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	MIT510	5 kV Tester	3070.00
840—	MIT520	5 kV Tester, 25 V to max.	3995.00
840—	MIT1020	10kV Tester	4825.00

MEGGER MAJOR INSULATION TESTER



Features:
- No scale multipliers
- Multiple test voltages for spot and step voltage testing
- Guard terminal to eliminate surface leakage current
- Includes case and 6ft. test leads
- Four test voltages from 100 to 1000 VDC
- Insulation resistance to 2000MΩ
- Hand-cranked power source

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	212159	Hand-Crank Analog	920.00
Accessories			
840—	210949	Test Record Card (100 pack)	10.00

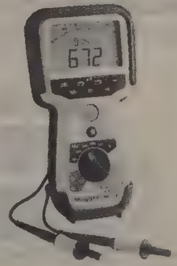
MEGGER MIT200 INSULATION TESTERS

Features:
- CAT III 600 V - for increased application range
- 1000MΩ insulation testing on all test voltages
- Small size, simpler operation
- 200 mA continuity test current
- Backlit display
- 5Ω continuity buzzer
- Large LCD characters and analog arc
- Tough carry case
- Free calibration certificates
- 3 Year warranty

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	MIT200-EN	500V Tester	320.00
840—	MIT210-EN	1000V Tester	340.00
840—	MIT220-EN	250V / 500V Tester	390.00
840—	MIT230-EN	250V / 500V / 1000V Tester	460.00

MEGGER MIT400 INDUSTRIAL INSULATION TESTERS

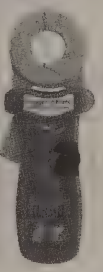
Features:
- Insulation testing to 1000V and to 200GΩ
- Continuity testing at 200mA down to 0.01Ω
- Analogue and dual digital display
- Insulation & continuity limit alarms
- PI/DAR timer function
- TRMS/DC voltage measurement
- AC/DC Voltage measurement
- Alkaline or rechargeable batteries
- CATIV 600V
- Calibration certificate
- Waterproof and dustproof IP54
- Backlit display



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
Industrial Applications			
840—	MIT400-EN	Basic 250 / 500 / 1000 V	525.00
840—	MIT410-EN	Basic 50 / 250 / 500 / 1000 V	620.00
840—	MIT420-EN	1kV PAR/DAR with storage	650.00
840—	MIT430-EN	Bluetooth version of MIT420	740.00
Telecoms			
840—	MIT480-EN	Base 50 / 100 V	575.00
840—	MIT481-EN	50 - 1000 V with storage	790.00
840—	MIT485-EN	50 - 1000 V w/ storage & DL	880.00
Special Applications			
840—	MIT40X-EN	Special selectable V, 10-100V	620.00
Accessories			
840—	ICLAMP	Hand-Crank and Battery	310.00

MEGGER DET10C AND DET20C GROUND RESISTANCE CLAMP TESTERS

Features:
- Easy, fast clamp-on operation
- Large LCD display screen
- Direct reading of continuity and ground loop resistance
- Measures ground resistance from 0.025Ω to 1550Ω
- Measures ground leakage current from 0.2mA to 35A
- Auto ranging with high and low alarms
- Automatic self calibration
- Hold function for difficult to reach installations
- Auto-off to save on battery power
- Extensive data storage and RS232 data download for later analysis (DET20C)
- Includes hard case and calibration loop



MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	DET10C	Earth/Ground Resist. Clamp	1615.00
840—	DET20C	Earth/Ground Resist. Clamp	1820.00

MEGGER MMC850 MULTI-CONDUCTOR AC DIGITAL CLAMPMETER

The new MMC850 offers a unique solution to current measurement in multiconductor cables without the need to split cables. The MMC850 is simply clamped to a multi-conductor cable and the current flowing is then read up to 100A.

Features:
- Single or multiple conductor measurement
- Flat or round selection cables
- Backlit display
- Cable centralizing clamp
- Measures single conductors to 200A

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	MMC850	Multi Conductor Clamp	270.00

MEGGER DCM2000P POWER CLAMPMETER

Features:
- W, VA, VAR, kWH and power factor measurement even on distorted waveforms
- Max current range 2000A
- True RMS, peak crest factor, total harmonic distortion, distortion factor, frequency measurement, and DC ripple
- 3 Phase power capability
- Live harmonic analysis, bar graph display
- Simultaneous display of multiple parameters plus waveform and chart displays
- Internal logging of five parameters with 5000 readings
- Real-time logging or download to optional PowerLog software
- Includes carrying case

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	DCM2000P	Power Clampmeter	1128.75
Accessories			
840—	EV6220-633	PowerLog Software	149.00

MEGGER TDR900 HAND-HELD TIME DOMAIN REFLECTOMETER/CABLE LENGTH METER

Features:
- Full autoarranging for measuring the length of power, telephony, CATV and LAN cables, provides distance to an open or short
- Extra large, high resolution backlit LCD
- Automatic output impedance control of 25, 50, 75, 100, 125 or 150 ohms.
- Maximum range: 12,000 ft.
- User-friendly menu on screen operation
- Cable length calibration function
- Internal library of 39 standard cable types

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	TDR900	Hand-held TDR	350.00

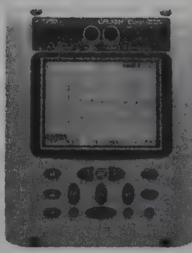
MEGGER CFL510 HAND-HELD TIME DOMAIN REFLECTOMETER

Features:
- Backlit graphics monochrome LCD (128x64)
- Adjustable display contrast
- Resolution to 0.1 m
- For use on Telecom Tn V-3 circuit, or 300V CAT III power circuits
- Power blocking filter not required
- Environmental protection to IP54
- User selectable output impedance 25, 50, 75, and 100 ohms
- 'TX null' adjustment for near end fault location
- Range, gain and cursor automatically adjusted to find event on press of a button
- Display distance in meters or feet up to 9,000 ft.
- Uses six AA (6LR61) primary cells

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	655510F	Hand-held TDR	1510.00

MEGGER CLF535F GENERAL PURPOSE TIME DOMAIN REFLECTOMETER (TDR)

Features:
- 20 km range at VF = 0.90
- Maximum range: 48,000 ft.
- Monochrome or color display options
- Primary cell or rechargeable options
- Large back lit LCD Display
- Dual cursor measurement
- Intermittent fault location
- Output pulse amplitude and width control
- "TX Null" technology
- No blocking filter required
- Trace Master PC software included
- 15 memory trace storage
- Dual input and output ports
- 15 internal memory positions
- RS-232 interface to a PC or printer (included software)
- Help menu
- 5 user selectable pulse widths per range
- Trace averaging
- 3 Year Warranty



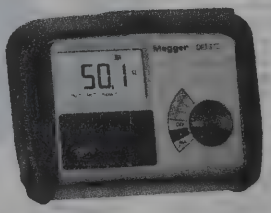
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	655535F	Monochrome primary cell	2875.00
840	655535FM	Monochrome rechargeable	2980.00
840	655535FR	Color rechargeable	3085.00

MEGGER DET3TA ANALOG GROUND TESTER KIT

Features:
- IP54 rated
- Clear easy to read analogue display
- 2 and 3 point testing
- Selectable 25 V or 50 V output
- Complete with lead and stake kit
- Simple one button operation
- Hardwearing carry case

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	DET3TA	Includes leads, probes and case	675.00

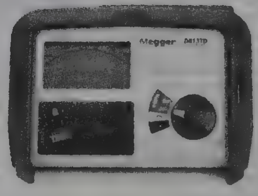
MEGGER DET3TC DIGITAL GROUND TESTER KIT



Features:
- Clear easy to read analogue display
- 2 and 3 point testing
- Selectable 25 V or 50 V output
- Complete with lead and stake kit
- Simple one button operation
- Hardwearing carry case
- Delivered with calibration certificate
- Attached rod technique

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	DET3TC	Includes leads, probes and case	775.00
Accessory			
840	ICLAMP	Hand-Crank and Battery	310.00

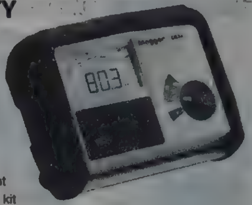
MEGGER DET3TD THREE POLE EARTH TESTING KIT



Features:
- IP54 rated
- 2 and 3 point testing
- Selectable 25 V or 50 V output
- Complete with lead and stake kit
- Simple one button operation
- Hardwearing carry case
- Delivered with calibration certificate

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	DET3TD	Includes leads, probes and case	725.00

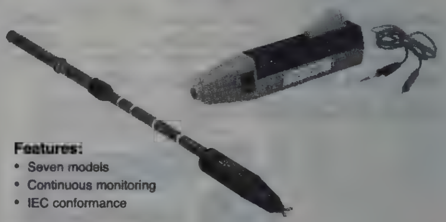
MEGGER DET4TD FOUR POLE SOIL RESISTIVITY



Features:
- IP54 rated
- 2, 3 and 4 point testing
- Selectable 25 V or 50 V output
- Complete with lead and stake kit
- Simple one button operation
- Hardwearing carry case
- Delivered with calibration certificate

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	DET4TD	Includes leads, probes and case	1140.00

MEGGER DETEX® VOLTAGE DETECTORS



Features:
- Seven models
- Continuous monitoring
- IEC conformance

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	514440-2	3.6v-36.5Kv	725.00
Accessories			
840	510005	Piezo verifier	415.00

MEGGER MOTOR AND PHASE ROTATION TESTER

Features:
- Complete phase-sequence and motor-rotation testing in one instrument
- Ensures correct phase hookup in one easy test
- Rugged and portable tester
- Performs additional polarity and continuity checks

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	560060	600v	855.00

MEGGER INSULATION AND CONTINUITY TEST

Features:
- Pocket-sized, selfpowered instrument - no battery maintenance problems
- Tests at 500 volts d.c.
- Powered by an easy-to turn, low-voltage, ac brushless generator

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840	21805-3	Test lead set and manual included	820.00

MEGGER DLRO10 AND DLRO10X DIGITAL LOW RESISTANCE OHMMETERS

Features:
- Accurate results in under three seconds
- Auto current reversal cancels standing emfs
- Fuse protected to 600 V
- NiMH battery reduces weight
- 250 mW power limit (with optional override) to avoid heating the test sample
- Automatically detects continuity in potential and current connections
- Visible warning of high voltages present at the terminals
- Visible warning of current flowing in the test sample
- Multiple operating modes including fully automatic
- Alpha-numeric keypad for entering test notes (DLRO10X)
- User settable high and low limits (DLRO 10X)
- Autoranging with manual option (DLRO 10X)
- Printer output and memory (DLRO 10X)
- Supplied complete with 4 ft. duplex test leads

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	DLRO10	10 Amp DLRO	2900.00
840—	DLRO10X	Enhanced 10 Amp DLRO	3520.00

MEGGER DLRO200-115E NEW DIGITAL LOW RESISTANCE OHMMETER

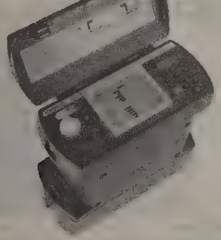
"Factory Drop Ship"

Features:
- Small and weighs less than 32 lbs. (15kg)
- Test currents from 10 A to 200 A DC
- Filtered direct current output eliminates magnetic transients
- 0.1 $\mu\Omega$ best resolution
- On board memory for up to 300 test results and notes
- RS232 port to download stored results or for real time output to a printer
- Supplied complete with 16 ft. (5m) test leads and download software
- Ideal for testing circuit breaker contacts

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	DLRO200-115E	200 Amp DLRO	5000.00

MEGGER BITE3 BATTERY IMPEDANCE TEST EQUIPMENT

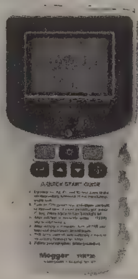
"Factory Drop Ship"



Features:
- Determines health of lead-acid cells up to 2000 Ah
- On-line testing with Pass/Warning/Fail calculations
- Measures impedance, interconnection resistance and cell voltage
- Windows CE operating system with 32 MB of memory
- Measures float and ripple currents
- Supplied with ProActive software, canvas carrying case, RS232 modem cable, dual point test leads (7 ft.), line charger and spare test lead tips

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	BITE-3	BITE 3 Tester	6821.10

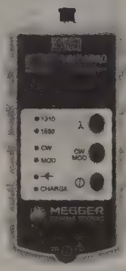
MEGGER HANDHELD TTR20 TRANSFORMER TURNS RATIO TESTER



Features:
- Single- and three-phase transformer testing
- Fully automatic; fast; easy-to-use; robust; lightweight
- Battery powered
- Tests turns ratio, excitation current, and polarity
- Simple, one-button operation
- Quick-start guide on front panel

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	TTR20	Handheld TTR	2375.00
Accessories			
840—	35942	Lead set 12 foot	330.00
840—	35871	USB-Serial Adapter	35.00

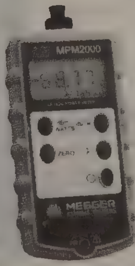
MEGGER MLS1000 MULTI-MODE LIGHT SOURCE AND MLS2000 SINGLE MODE STABILIZED LASER SOURCE



Features:
- 850 and 1300 nm LED source (MLS1000)
- 1310 nm and 1550 nm Dual Laser Source (MLS2000)
- High stability output
- Ultra fast laser stabilization (MLS2000)
- Temperature compensated
- Continuous and modulated outputs
- Exceptional battery life
- Ruggedized waterproof housing to IP54
- 3-year warranty
- Dry cell or rechargeable operation
- rechargeable cells charged within product
- MLS1000 supplied with ST connector
- MLS2000 supplied with FC connector

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	MLS1000	Multimode Light Source	595.63
840—	MLS2000	Single Mode Light Source	2480.00

MEGGER MPM1000 MULTI-MODE POWER METER AND MPM2000 SINGLE MODE POWER METER

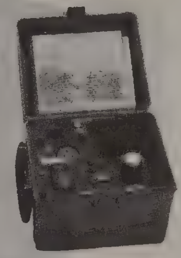


Features:
- 850, 1300 and 1550 nm germanium detector (MPM1000)
- 850, 1300, 1310 and 1550 nm germanium detector (MPM2000)
- High-power CATV version (MM2000H)
- Wide dynamic range
- dBm and dBrel (relative) measurement modes
- Automatic power down
- Power down override during dBrel measurements
- High-power CATV version (MPM2000H)
- dBret setting retained during power down
- Exceptional battery life
- Ruggedized waterproof housing to IP54
- 3-year warranty
- Dry cell or rechargeable operation
- Rechargeable cells charged within product
- Connectors are an available option

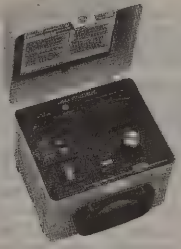
MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	MPM2000	Single Mode Power Meter	1100.00
840—	MPM2000H	High Powered Power Meter	1145.00

MEGGER HI-POT TESTERS

230315



230415

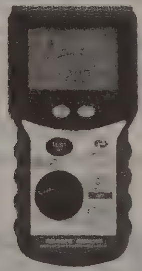


230425

Features:
- Rapid production-line testing to latest UL standards
- Extra safety features
- Rugged design for portability
- One-second or continuous testing
- Ground continuity check of three-wire devices with high-voltage interlock
- Adjustable leakage current trip from 0.3 to 12.3 mA
- Automatic failure shutdown

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	230315	AC, 0 - 3 kV	1710.00
840—	230415	AC, 0 - 4kV	1710.00
840—	230425	AC/DC, 0-4 kV, 0-5kVdc	2185.00

MEGGER BMM500 1 KV INSULATION AND CONTINUITY TESTER



Features:
- Options of 250 V, 500 V, 1000 V insulation ranges
- 200 mA continuity range
- Instant response "ZAP" buzzer
- Voltage measurement to 600 V
- MEGGER Intelligent Safety System
- Patented backlit display
- KΩ range for servicing
- Probe support for other measurements
- Waterproof and dustproof to IP54
- Complies with the requirements of BS 7671 16th Edition, and EN61557

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
840—	BMM503	250V / 500V / 1000 V tester	660.00

PROTEK Test Equipment

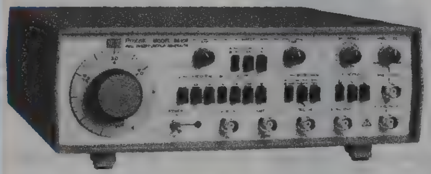
PROTEK HANDHELD DSO / DMM

Features:
- 20Mhz [820], 40MHz [840], 60MHz [860] bandwidths
- Built in High accuracy 6000 count True RMS DMM
- 200MS/s sampling rate single channel and 100MS per channel in dual channel [840, 860], 100MS/s [820]

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—820		20MHZ Handheld DSO/TRMS DMM	1072.00
508—820F		Model 820 w/Flash Memory installed	1215.00
508—840		40MHZ Handheld DSO/TRMS DMM	1336.00
508—840F		Model 840 w/Flash Memory installed	1462.00
508—860		60MHZ Handheld DSO/TRMS DMM	1559.00
508—860F		Model 860 w/Flash Memory installed	1686.00

PROTEK SWEEP FUNCTION GENERATORS

4MHz Sweep Function Generator



Features:
- Wide 0.004Hz to 4MHz Frequency range
- CW/Triggered and Gated modes
- Sweep output and VCG input
- 1000:1 linear sweep and 10,000:1 frequency log sweep widths

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—B8400		4MHZ Sweep Function Generator	336.98

10MHz Sweep Function Generator

Features:
- Wide 0.01Hz to 10MHz frequency range
- Log/Lin sweep
- Burst /gate and triggered modes
- Output may be FM modulated using the VCG input.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—B8110		10MHZ Sweep Function Generator	509.39

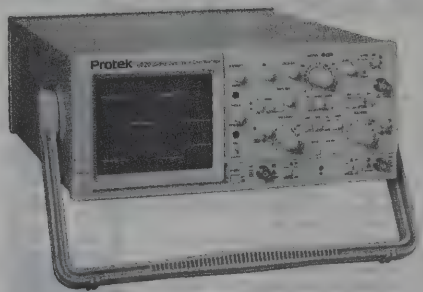
PROTEK DUAL TRACE OSCILLOSCOPE

30MHz Dual Trace Oscilloscope

Features:
- 30 MHz Vertical Bandwidth (-3dB)
- LCR Component Tester
- Alternate Trigger for a stable display of unrelated signals
- X5 Mag for Vertical Input and X10 for Horizontal
- TV Synch Filter
- Trigger Signal Output

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—6030C		30MHZ Dual Trace Oscilloscope	542.26

20MHz Dual Trace Oscilloscope



Features:
- 20MHz Bandwidth
- Alt-Mag sweep for simultaneous display of main and X10 magnified trace
- Alternate trigger for a stable display of unrelated signals
- X10 Horizontal Magnification
- P-P auto trigger

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—6020		20MHZ Dual Trace Oscilloscope	521.77

PROTEK LOOP CALIBRATOR

Features:
- 24 volt internal loop supply
- Auto Step and Auto ramp modes; no need for external mA meter
- Simultaneous mA and % read out for quick, easy interpretation of reading
- 25% step button for quick linearity tests

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—30C		Loop Calibrator	467.22

PROTEK HANDHELD DMM

50K Count Handheld DMM

Features:
- 50,000 count and 50 segment bar graph backlit display
- Basic DC accuracy is ±0.03%
- RS232 interface with software and cable
- dBm measurement with 4W to 1200W reference resistances
- AC and (AC+DC) TRUE RMS measurement
- Measures frequency, Duty cycle and Capacitance

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—6500		50K Count Hand Held DMM	200.80

80K Count Handheld DMM

Features:
- 80,000 count Dual Display
- Basic DC accuracy is 0.05%
- Pulse output with frequency selection from 0.5Hz to 5KHz with duty cycles from 1% to 99%
- Measures frequency, ms Pulse width and duty cycle
- AC and AC+DC TRUE RMS measurements.
- RS232 port

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—6800		80K Count Hand Held DMM	224.79

PROTEK LCR METER

Features:
- 0.02% Basic accuracy
- Wide measurement Ranges for Capacitors, Resistors and Inductors
- Menus and parameters are displayed on an easy to read 320x 240 Graphics LCD with backlight
- Measurement Rates to 12 times per second
- 500 Test Frequencies from 12Hz to 100KHz
- Open and short-circuit compensation for accurate zeroing
- Binning and Pass/Fail operation
- Measurement averaging from 1 to 255

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—Z9218		LCR Meter	1958.87

PROTEK PROGRAMMABLE ELECTRONIC LOAD

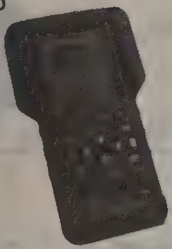
Features:
- 300W Maximum Power
- Operates in Constant current, Constant resistance or Constant power modes
- 1mA current setting resolution
- Voltage, Current and Power are displayed on the back lit display
- Back light LCD
- Values may be enter from key board of rotary dial
- RS232 interface and control software

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
508—L300		300 Watt Programmable Electronic Load	994.01

PROTEK Test Equipment

PROTEK OSCILLOSCOPES

50Ms/S 1MHz Hand-Held DSO



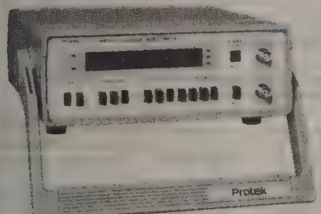
Features:
- Dual Channel
- 50MS/s sampling rate
- 1mV/Div Vertical sensitivity
- Auto ranging Vertical and Horizontal scales
- Built-in auto/manual ranging 4000 count DMM
- DC to 1MHz bandwidth
- Hand held and battery operated
- Designed to UL3111, CSA C22.2 No 1010 standards
- RS-232 Port and supplied software
- U508-friendly front panel

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—S2401	1MHz Scope Meter	379.80
508—S2405	5MHz Scope Meter	466.54

PROTEK COUNTERS

1.3 GHz Multifunction Counter

NEW FROM SUPPLIER



Features:
- Replaces B818
- High accuracy frequency measurements to 1.3GHz
- Frequency resolution 0.1Hz
- Frequency, period and totalize functions

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—B8118	1.3GHz Multifunction Counter	277.00

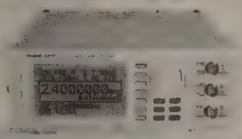
3 GHz Universal Counter

NEW FROM SUPPLIER

Features:
- Replaces B2000
- High accuracy frequency measurements to 3GHz
- Frequency, period, time, interval, ratio, and totalize functions
- High stability TXCO

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—B3110	3GHz Universal Counter	428.00

Programmable 2.4GHz Universal Counter

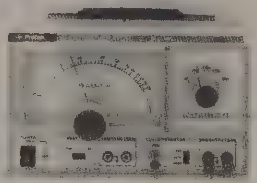


Features:
- Highly accurate frequency measurements to 2.4GHz
- Measures Frequency, Period, Duty Cycle, RPM, Frequency ratio, Difference frequency, Time interval and Totalize
- Nine measurement functions
- Plots trend graph on LCD display
- Compare, Relative Error and Min/Max functions
- Standard RS-232 with optional GPIB interface
- Eight setup screens may be saved and retrieved from memory
- Software for controlling, displaying data and data logging
- Operates on all line voltages from 85V to 270V without any changes

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—C3100	2GHz Universal Counter	481.32
508—C3100-GPIB	GPIB Interface and Handler	629.23

PROTEK GENERATORS

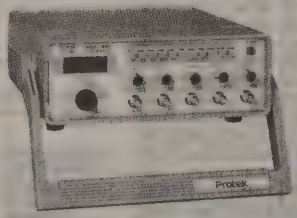
10Hz to 1MHz Wide Range Audio Generator



Features:
- Wide 10Hz to 1MHz Frequency range
- Low distortion Sine wave and Square wave output
- Lightweight, Rugged construction
- Frequency setting via large frequency dial
- Ideal for classroom or audio bench

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—B850	Wide Range Audio Generator	218.73

2 MHz Sweep Function Generator

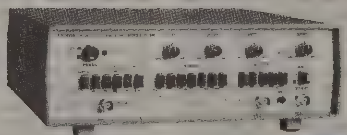


Features:
- Sine, square, ramp, and pulse
- Built-in 2MHz frequency counter
- Seven frequency ranges
- Variable symmetry

NEW FROM SUPPLIER

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—B8011	2Mhz Sweep Func Generator	298.60

10 MHz Pulse Generator



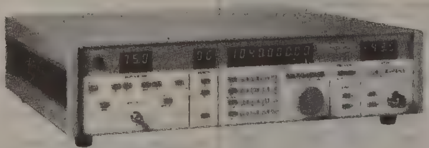
Features:
- 1Hz to 10MHz frequency range
- Variable pulse width and delay
- Manual and external triggering

NEW FROM SUPPLIER

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—B1990	10MHz Pulse Generator	403.27

PROTEK RF INSTRUMENT

Hand-Held 2GHz RF Signal Strength Analyzer



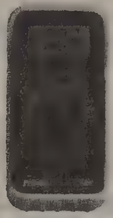
Features:
- 10 KHz to 1040 MHz frequency range
- AM, PF, and, FM modulation
- -127dBm to +6dBm output level
- Self test and calibration
- 25W reverse power protection

NEW FROM SUPPLIER

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—B1240	Synthesized AM/FM Signal Generator	4861.54

PROTEK COMPONENT TESTERS

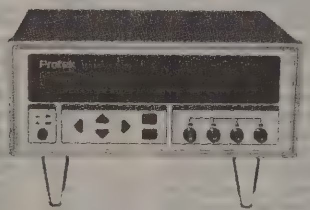
3 1/2 Digit 2000 Count L/C Meter



Features:
- Six capacitance ranges and four inductance ranges
- High accuracy measurement
- Automatic zeroing
- Low battery indicator
- Fuse protected input
- Includes holster

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—CL200	2000 Count L/C Meter	78.82

Bench LCR Meter

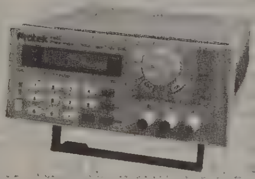


Features:
- Measures L, C, R, IZI, Q and D
- Displays component value, Q or D, Delta, or Delta%
- 5 digit display for component value and Q/D
- Auto ranging or Range hold
- Built-in comparator with 4 bin-sorting function
- Open and short circuit calibration for accurate zeroing
- Series and parallel equivalent circuit modes
- Three test frequencies
- Warning alarm for pass or fail binning
- Easy to use

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—Z8200	Bench LCR Meter	668.72

PROTEK POWER SUPPLIES

Programmable Power Supply



Features:
- All values may be entered from keyboard or rotary dial
- RS-232/485 interface with cable, adapter and software CD
- Volts, amps and power are displayed on a backlit LCD display
- 10 settings may be stored in memory
- Light weight and energy efficient
- Over voltage and current protection
- Outstanding in Production Test Applications

MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—P6000	Programmable Power Supply	339.69

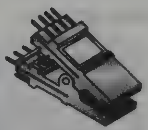
Triple Output Supply

Features:
- Dual 0 to ± 36V @ 2.5A
- Fixed 5V/ 3.3V @ 5A
- Outputs may be independent or connected in Series or Parallel and are selectable from the front panel
- Fixed supply may be switched between 3.3V and 5.0V
- Series or Parallel Master/Slave tracking modes
- Energy saving design

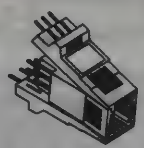
MOUSER STOCK NO. Mfr. Mfr. Part No.	Description	Price Each
508—3040T	Triple Output Supply	592.91

3M™ Test Clips and Breadboard Accessories

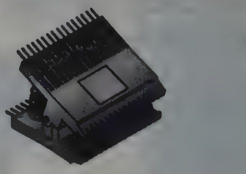
A



B



C



TEST CLIPS

SOIC Surface Mount Test Clips

Helical compression spring and insulated contact combs ensure integrity in testing.

Features:

- Allows testing of .025"sq. contact pins on .050" center devices
- UL 94V-0

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Pins	Description	Price Each			
					1	5	10	25
517-923660161	923660-16	A	16	Wide, Alloy	11.89	11.02	10.34	9.65
517-923660181	923660-18	A	18	Wide, Alloy	12.58	11.66	10.94	10.21
517-923660201	923660-20	A	20	Wide, Alloy	13.80	12.80	12.00	11.80
517-923660241	923660-24	A	24	Wide, Alloy	14.25	13.22	12.39	11.56
517-923660281	923660-28	A	28	Wide, Alloy	15.27	14.16	13.28	12.39
517-923650081	923650-08	A	8	Narrow, Alloy	11.28	10.46	9.81	9.16
517-923650141	923650-14	A	14	Narrow, Alloy	11.42	10.59	9.93	9.27
517-923650161	923650-16	A	16	Narrow, Alloy	11.75	10.90	10.22	9.53
517-923665-16	923665-16	A	16	Wide, Gold	13.64	12.66	11.87	11.07
517-923665-18	923665-18	A	18	Wide, Gold	13.75	12.75	11.96	11.16
517-923665-20	923665-20	A	20	Wide, Gold	14.23	13.20	12.38	11.55
517-923665-24	923665-24	A	24	Wide, Gold	15.70	14.56	13.65	12.74
517-923665-28	923665-28	A	28	Wide, Gold	16.85	15.63	14.66	13.68
517-923655-8	923655-08	A	8	Narrow, Gold	11.75	10.90	10.22	9.53
517-923655-14	923655-14	A	14	Narrow, Gold	13.01	12.06	11.31	10.56
517-923655-16	923655-16	A	16	Narrow, Gold	12.89	11.95	11.21	10.46

PLCC Surface Mount Test Clips

All four sides of test clip open simultaneously for one-step attachment to PLCC being tested. Helical compression spring and insulated contact combs ensure integrity in contact when testing.

Features:

- Probe access points readily visible for fast and safe testing
- Allows testing of .050" center devices

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Pins	Description	Price Each			
					1	5	10	25
517-923670201	923670-20	B	20	Alloy	31.29	29.02	27.21	25.40
517-923670281	923670-28	B	28	Alloy	32.07	30.78	28.86	26.94
517-923670441	923670-44	B	44	Alloy	42.11	39.06	36.62	34.17
517-923670521	923670-52	B	52	Alloy	46.54	41.89	37.70	33.93
517-923670681	923670-68	B	68	Alloy	56.93	52.80	49.51	46.20
517-923670-84	923670-84	B	84	Alloy	57.37	51.63	46.47	41.82
517-923675-20	923675-20	B	20	Gold	37.93	34.14	30.73	27.66
517-923675-28	923675-28	B	28	Gold	44.89	40.40	36.36	32.72
517-923675-44	923675-44	B	44	Gold	45.14	41.87	39.26	36.64
517-923675-52	923675-52	B	52	Gold	47.70	44.24	41.48	38.71
517-923675-68	923675-68	B	58	Gold	53.18	49.33	46.25	43.16
517-923675-84	923675-84	B	84	Gold	57.29	53.14	49.82	46.49

LCC Surface Mount Test Clips

The unique action-wedge design of the test clip allows all four of its sides to open simultaneously for a one-step, secure contact when testing.

- Allows testing of devices down to .050" centers

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Pins	Description	Price Each			
					1	5	10	25
517-923680-20	923680-20	B	20	Alloy	36.62	32.96	29.66	26.70
517-923680-28	923680-28	B	28	Alloy	49.08	44.17	39.75	35.78
517-923680-44	923680-44	B	44	Alloy	58.86	52.97	47.68	42.91

DIP Long Wire Cable Assembly Compatible Test Clips

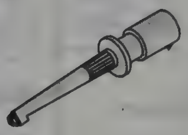
The "headless" long wire connector-compatible leads accommodate a wide range of applications. The narrow nose shape of the DIP test clip allows for easy attachment on high-density PC boards.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Fig.	No. of Pins	Description	Price Each			
					1	5	10	25
517-923690-08	923690-08	C	8	.3 Wide, Alloy	11.13	10.02	9.02	8.11
517-92369014	923690-14	C	14	.3 Wide, Alloy	11.42	10.28	9.25	8.33
517-923690-16	923690-16	C	16	.3 Wide, Alloy	11.53	10.38	9.34	8.41
517-923690-18	923690-18	C	18	.3 Wide, Alloy	15.91	14.32	12.89	11.60
517-923690-20	923690-20	C	20	.5/.6 Wide, Alloy	16.65	14.99	13.49	12.14
517-923690-24	923690-24	C	24	.5/.6 Wide, Alloy	21.68	19.51	17.56	15.80
517-923690-28	923690-28	C	28	.5/.6 Wide, Alloy	26.00	23.40	21.06	18.95
517-923690-32	923690-32	C	32	.5/.6 Wide, Alloy	27.46	24.71	22.24	20.02
517-923690-36	923690-36	C	36	.5/.6 Wide, Alloy	28.86	25.97	23.38	21.04
517-923690-40	923690-40	C	40	.5/.6 Wide, Alloy	30.29	27.26	24.53	22.08
517-923690-48	923690-48	C	48	.5/.6 Wide, Alloy	40.39	36.35	32.72	29.44
517-923690-64	923690-64	C	64	.9 Wide, Alloy	46.14	41.53	37.37	33.64
517-923739-08	923739-08	C	8	.3 Wide, Gold	13.50	12.15	10.94	9.84
517-923739-14	923739-14	C	14	.3 Wide, Gold	13.86	12.47	11.23	10.10
517-923739-16	923739-16	C	16	.3 Wide, Gold	14.22	12.80	11.52	10.37
517-923739-18	923739-18	C	18	.3 Wide, Gold	19.99	17.99	16.19	14.57
517-923739-20	923739-20	C	20	.5/.6 Wide, Gold	24.20	22.99	21.78	20.57
517-923739-24	923739-24	C	24	.5/.6 Wide, Gold	27.18	24.46	22.02	19.81
517-923739-28	923739-28	C	28	.5/.6 Wide, Gold	32.50	29.25	26.33	23.69
517-923739-36	923739-36	C	36	.5/.6 Wide, Gold	33.72	30.35	27.31	24.58
517-923739-40	923739-40	C	40	.5/.6 Wide, Gold	37.23	33.51	30.16	27.14
517-923739-48	923739-48	C	48	.5/.6 Wide, Gold	49.84	44.86	40.37	36.33
517-923739-64	923739-64	C	64	.9 Wide, Gold	57.02	51.32	46.19	41.57

PROBE-IT CLIPS

Provide a safe, fast, and easy method of testing individual component leads and minimize accidental shorts. Phosphor bronze contact hooks are sheathed in the nylon body of the probe until exposure is needed. Solder to stranded hook-up wire.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	5	10	25
517-923830-BK-C	923830-BK-C	1.63", Black	7.62	6.86	6.17	5.55
517-923830-GN-C	923830-GN-C	1.63", Green	7.62	6.86	6.17	5.55
517-923830-RD-C	923830-RD-C	1.63", Red	7.62	6.86	6.17	5.55
517-923830-WT-C	923830-WT-C	1.63", White	7.62	6.86	6.17	5.55
517-923830-YL-C	923830-YL-C	1.63", Yellow	7.62	6.86	6.17	5.55
517-923830-BU-C	923830-BU-C	1.63" Blue	7.62	6.86	6.17	5.55
517-923835-RD-C	923835-RD-C	2.19", Red	7.36	6.62	5.96	5.36
517-923835-BK-C	923835-BK-C	2.19", Black	7.36	6.62	5.96	5.36
517-923835-GN-C	923835-GN-C	2.19", Green	7.36	6.62	5.96	5.36
517-923835-YL-C	923835-YL-C	2.19", Yellow	7.36	6.62	5.96	5.36
517-923835-WT-C	923835-WT-C	2.19", White	7.36	6.62	5.96	5.36
517-923840-RD-C	923840-RD-C	2.38", Red	13.00	12.35	11.70	11.05
517-923840-BK-C	923840-BK-C	2.38", Black	13.00	12.35	11.70	11.05
517-923845-RD-C	923845-RD-C	2.38", Red	8.82	7.94	7.15	6.44
517-923845-BK-C	923845-BK-C	3.56", Black	13.00	12.35	11.70	11.05
517-923848-C	923848-C	1.63", Asst.	16.40	15.58	14.76	13.94
517-923850-C	923850-C	2.19", Asst.	17.00	16.15	15.30	14.45

PATCH CORDS

Provide extra reach and flexibility when connections are changed frequently or when off-board or test clips/breadboard connections are required. Wires are 26 AWG stranded with PVC insulation, color-coded by length. Pin and socket contacts have sleeve insulation and are stackable on .100 inch centers.

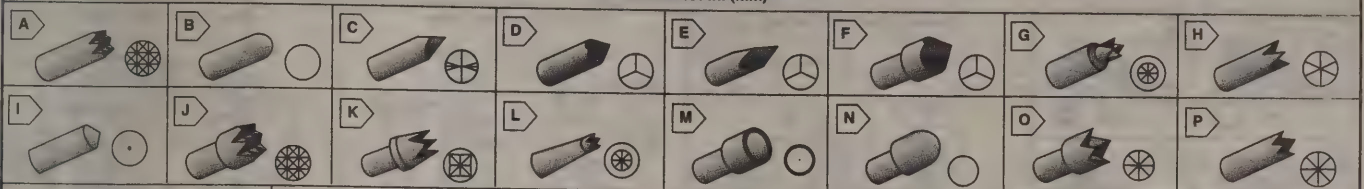
For quantities of 50 and up, call for quote.

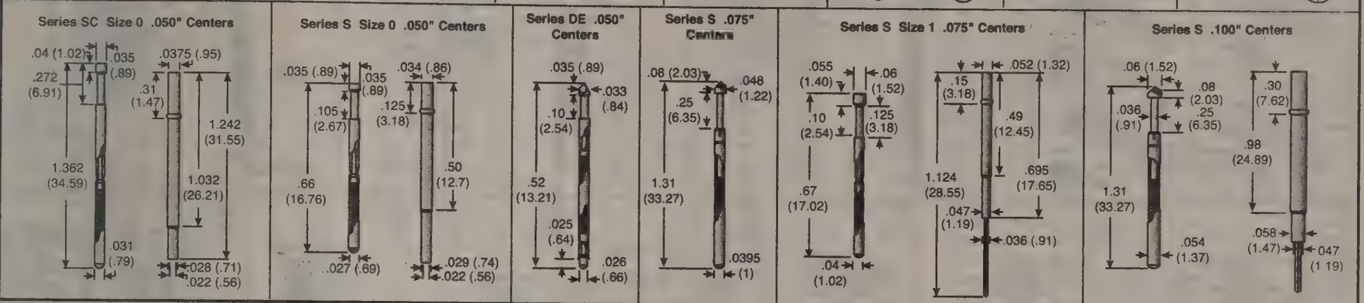
MOUSER STOCK NO.	3M Part No.	Description	Price Each			
			1	5	10	25
517-924961-C	924961-C	Small pin-pin	45.97	41.37	37.23	33.51
517-924962-C	924962-C	Large pin-pin	45.97	41.37	37.23	33.51
517-924963-C	924963-C	Small socket-socket	86.68	78.01	70.21	63.19
517-924964-C	924964-C	Large socket-socket	100.51	90.46	81.41	73.27
517-924965-C	924965-C	Small pin-socket	67.40	60.66	54.59	49.13
517-924966-C	924966-C	Large pin-socket	68.12	61.31	55.18	49.66
517-924967-C	924967-C	Small pin-Probe-It	72.00	68.40	64.80	61.20
517-924968-C	924968-C	Large pin-Probe-It	43.47	39.12	35.21	31.69
517-924969-C	924969-C	Small socket-Probe-It	47.16	42.44	38.20	34.38
517-924970-C	924970-C	Large socket-Probe-It	49.21	44.29	39.86	35.87

IDI Spring Contact Probes and Receptacles

RoHS Compliant This page of product is compliant.

DIMENSIONS: In. (mm)





SERIES S-50C SIZE 0 .050" CENTERS

Technical Summary:
- Recommended Minimum Centers: .050 (1.27)
- Current Rating: 3 amps continuous
- Spring Force: 3.2 or 5.4 oz. @ .170 (4.32) travel
- Contact Resistance: Less than 17mΩ
- Recommended Working Travel: .170 (4.32)
- Maximum Travel: .232 (5.89) for headed tips .250 (6.35) for headless tips

Materials:
- Contact Barrel: DuraGold
- Spring: Stainless steel or music wire, gold plated
- Plunger: Full-hard Beryllium copper or steel, gold plated over nickel or optional duralloy

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
818—S-50C-HS-5.4-G-S	A	.024 (.61)	Headless Serrated	2.80	2.52	2.27
818—S-50C-J-5.4-G	B	.024 (.61)	Headless Radius	2.55	2.30	2.07
818—S-50C-M-5.4-G-S	C	.024 (.61)	Headless Blade	2.80	2.52	2.27
818—S-50C-S-5.4-G-S	D	.024 (.61)	Headless 3 Sided Chisel	2.80	2.52	2.27
818—S-50C-SP-5.4-G-S	E	.024 (.61)	Headless 3 Sided Sharp Chisel	2.80	2.52	2.27
818—S-50C-UR-5.4-G-S	G	.016 (.41)	Headless Reduced 4 Pt Crown	2.80	2.52	2.27
818—S-50C-Z-5.4-G-S	H	.024 (.61)	Headless 3 Pt Crown	2.80	2.52	2.27

SERIES S SIZE 0 .050" CENTERS

Technical Summary:
- Recommended Minimum Centers: .050 (1.27)
- Current Rating: 3 amps continuous
- Spring Force: 2.2 oz. (62g) @ .070 (1.78) travel
- Contact Resistance: Less than 35mΩ
- Recommended Working Travel: .070 (1.78)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Beryllium copper, gold plated
- Plunger: Beryllium copper, gold plated over nickel

RoHS Compliant

For quantities of 100 and up, call for quote.

Spring Contact Probes						
818—S-0-B9-2.2-G	I	.021 (.53)	Headless Flat Spear	1.25	1.13	1.02
818—S-0-H-2.2-G	J	.035 (.89)	Headed Serrated	1.25	1.13	1.02
818—S-0-J-2.2-G	B	.021 (.53)	Headless Radius	1.25	1.13	1.02
818—S-0-U-2.2-G	P	.021 (.53)	Headless 4 Pt Crown	1.25	1.13	1.02
818—S-0-UT-2.2-G	L	.011 (.28)	Headless Reduced 4 Pt Crown	1.25	1.13	1.02
Receptacles						
818—R-0-CR	- - -	- - -	Receptacle, Crimp	.23	.21	.19
818—R-0-SC	- - -	- - -	Receptacle, Solder Cup	.50	.45	.41
818—R-0-WW-025	- - -	- - -	Receptacle, WW .025" SQ	1.10	.99	.89

SERIES DE .050" CENTERS

Technical Summary:
- Recommended Minimum Centers: .050 (1.27)
- Current Rating: 3 amps continuous
- Spring Force: 2 oz. (57g) @ .050 (1.27) travel
- Contact Resistance: Less than 35mΩ
- Recommended Working Travel: .050 (1.27)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Music wire, gold plated
- Plunger: Beryllium copper, gold plated over nickel

RoHS Compliant

For quantities of 100 and up, call for quote.

818—DE-50-T-45-2-G	F	.033 (.84)	Double Ended Probe	1.53	1.38	1.24

SERIES S SIZE .075" CENTERS

Technical Summary:
- Recommended Minimum Centers: .075 (1.91)
- Current Rating: 3 amps continuous
- Spring Force: 5 oz. or 7 oz.
- Contact Resistance: Less than 13mΩ
- Recommended Working Travel: .170 (4.32)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Music wire, nickel plated
- Plunger: Beryllium copper, gold plated over nickel, or steel

For quantities of 100 and up, call for quote.

818—S-075-B-5-G	- - -	- - -	Headless Spear	1.40	1.26	1.13
818—S-075-B-7-G	- - -	- - -	Headless Spear	1.40	1.26	1.13
818—S-075-J-5-G	B	.025 (.64)	Headless Radius	1.40	1.26	1.13
818—S-075-J-7-G	B	.025 (.64)	Headless Radius	1.40	1.26	1.13
818—S-075-M-5-G-S	C	.025 (.64)	Headless Blade	1.65	1.49	1.34
818—S-075-M-7-G-S	C	.025 (.64)	Headless Blade	1.65	1.49	1.34
818—S-075-SP-5-G-S	E	.025 (.64)	Headless Sharp Chisel (3 Sided)	1.65	1.49	1.34
818—S-075-SP-7-G-S	E	.025 (.64)	Headless Sharp Chisel (3 Sided)	1.65	1.49	1.34
818—S-075-UST-5-G-S	L	.018 (.50)	Headless Reduced 4 Pt Crown	1.65	1.49	1.34
818—S-075-UST-7-G-S	L	.018 (.50)	Headless Reduced 4 Pt Crown	1.65	1.49	1.34
818—S-075-VLT-5-G-S	K	.048 (1.22)	Headed Reduced 4 Pt Crown	1.65	1.49	1.34
818—S-075-VLT-7-G-S	K	.048 (1.22)	Headed Reduced 4 Pt Crown	1.65	1.49	1.34

SERIES S SIZE 1 .075" CENTERS

Technical Summary:
- Recommended Minimum Centers: .075 (1.91)
- Current Rating: 3 amps continuous
- Spring Force: 2.0 oz. or 3.8 oz.
- Contact Resistance: Less than 25mΩ
- Recommended Working Travel: .070 (1.78)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Stainless steel, gold plated
- Plunger: Beryllium copper, gold plated over nickel

RoHS Compliant

For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
Spring Contact Probes						
818—S-1-A-2-G	M	.06 (1.52)	Headed Cup 2.0 oz.	.88	.79	.71
818—S-1-A-3.8-G	M	.06 (1.52)	Headed Cup 3.8 oz.	.88	.79	.71
818—S-1-D-2-G	N	.04 (1.02)	Headed Radius 2.0 oz.	.88	.79	.71
818—S-1-B-3.8-G	E	.04 (1.02)	Headed Radius 3.8 oz.	.88	.79	.71
818—S-1-H-2-G	J	.06 (1.52)	Headed Serrated 2.0 oz.	.88	.79	.71
818—S-1-H-3.8-G	J	.06 (1.52)	Headed Serrated 3.8 oz.	.88	.79	.71
818—S-1-J-2-G	B	.026 (.66)	Headless Radius 2.0 oz.	.88	.79	.71
818—S-1-J-3.8-G	B	.026 (.66)	Headless Radius 3.8 oz.	.88	.79	.71
818—S-1-U-2-G	P	.026 (.66)	Headless 4 PT Crown 2.0 oz.	.88	.79	.71
818—S-1-U-3.8-G	P	.026 (.66)	Headless 4 PT Crown 3.8 oz.	.88	.79	.71
Receptacles						
818—R-1-CR	- - -	- - -	Receptacle, Crimp	.28	.25	.23
818—R-1-SC	- - -	- - -	Receptacle, Solder Cup	.45	.41	.37
818—R-1-WW-429	- - -	- - -	Receptacle, WW .025" SQ	.48	.43	.39

SERIES S .100" CENTERS

Technical Summary:
- Recommended Minimum Centers: .100 (2.54)
- Current Rating: 3 amps continuous
- Spring Force: 6.7oz. or 8.0 oz. (190g) @ .170 (4.32) travel
- Recommended Working Travel: .170 (4.32)

Materials:
- Contact Barrel: Nickel/silver, gold plated
- Spring: Stainless steel, gold plated, or music wire
- Plunger: Beryllium copper, gold plated over nickel

RoHS Compliant

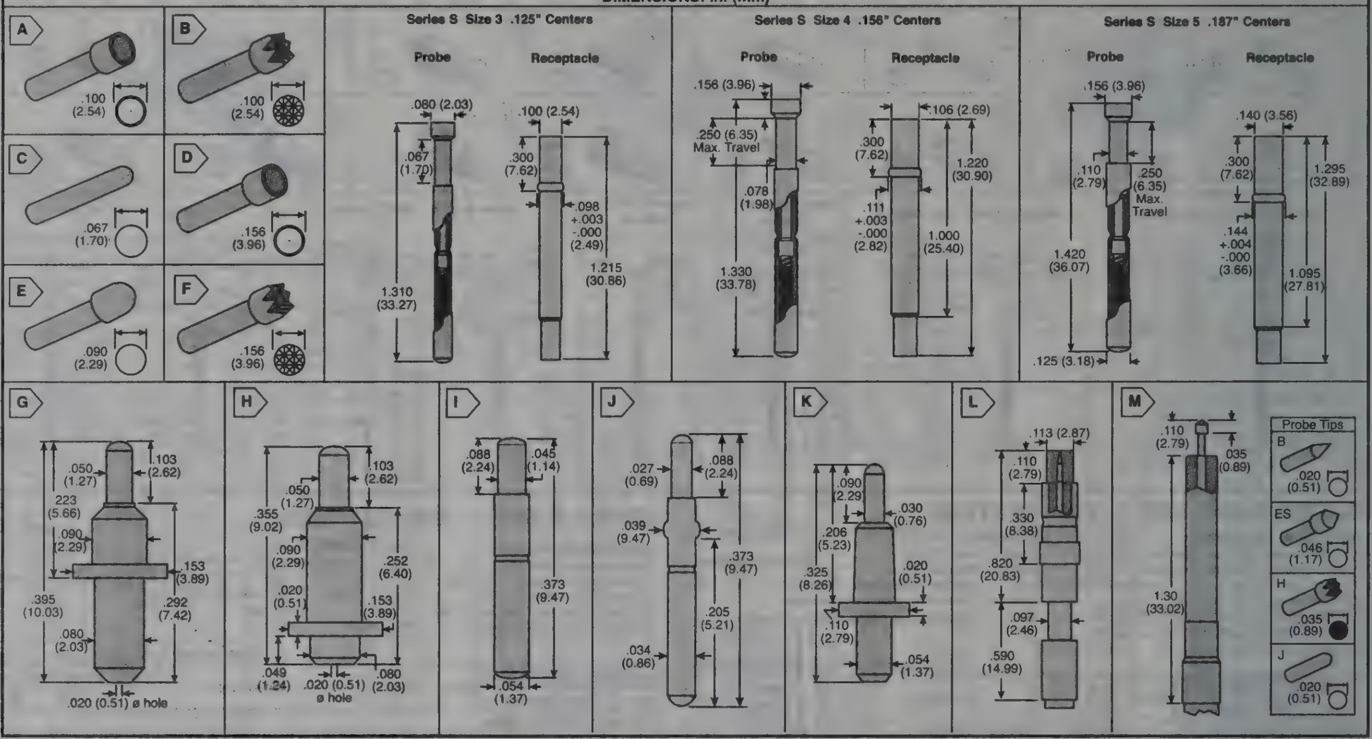
For quantities of 100 and up, call for quote.

MOUSER STOCK NO. Mfr. Mfr. Part No.	Fig.	Dia.	Description	Price Each 1	25	50
Spring Contact Probes						
818—S-100-A-6.7-G	M	.06 (1.52)	Headed Cup 6.7 oz.	.83	.75	.68
818—S-100-A-8-G	M	.06 (1.52)	Headed Cup 8 oz.	.83	.75	.68
818—S-100-B-6.7-G	- - -	- - -	Headless Spear 6.7 oz.	.83	.75	.68
818—S-100-B-8-G	- - -	- - -	Headless Spear 8 oz.	.83	.75	.68
818—S-100-H-6.7-G	J	.06 (1.52)	Headed Serrated 6.7 oz.	.83	.75	.68
818—S-100-H-8-G	J	.06 (1.52)	Headed Serrated 8 oz.	.83	.75	.68
818—S-100-J-6.7-G	B	.036 (.91)	Headless Radius 6.7 oz.	.83	.75	.68
818—S-100-J-8-G	B	.036 (.91)	Headless Radius 8 oz.	.83	.75	.68
818—S-100-M-6.7-G-S	C	.036 (.91)	Headless Blade 6.7 oz.	1.08	.97	.87
818—S-100-M-8-G-S	C	.036 (.91)	Headless Blade 8 oz.	1.08	.97	.87
818—S-100-SP-6.7-G-S	E	.036 (.91)	Headless Sharp Chisel 6.7 oz.	1.08	.97	.87
818—S-100-SP-8-G-S	E	.036 (.91)	Headless Sharp Chisel 8 oz.	1.08	.97	.87
818—S-100-U-6.7-G-S	P	.036 (.91)	Headless 4 PT Crown 6.7 oz.	1.08	.97	.87
818—S-100-U-8-G-S	P	.036 (.91)	Headless 4 PT Crown 8 oz.	1.08	.97	.87
818—S100-UST-6.7-G-S	L	.036 (.91)	Headless Reduced 4 PT Crown 6.7 oz.	1.08	.97	.87
818—S-100-UST-8-G-S	L	.036 (.91)	Headless Reduced 4 PT Crown 8 oz.	1.08	.97	.87
818—S100-VLT-6.7-G-S	K	.055 (1.40)	Headed Reduced 4 PT Crown 6.7 oz.	1.08	.97	.87
818—S-100-VLT-8-G-S	K	.055 (1.40)	Headed Reduced 4 PT Crown 8 oz	1.08	.97	.87
818—S-100-W-6.7-G	O	.05 (1.27)	Headed 4 PT Crown 6.7 oz.	1.08	.97	.87
818—S-100-WO-8-G-S	O	.05 (1.27)	Headed 4 PT Crown 8 oz.	1.08	.97	.87
Receptacles						
818—R-100-SC	- - -	- - -	Receptacle, Solder Cup	.38	.34	.30
818—R-25-WW-429	- - -	- - -	Receptacle, WW .025" SQ	.33	.30	.27

IDI Spring Contact Probes and Receptacles

RoHS Compliant This page of product is compliant.

DIMENSIONS: In. (mm)


A
.100 (2.54)
B
.100 (2.54)
C
.067 (1.70)
D
.156 (3.96)
E
.090 (2.29)
F
.156 (3.96)
Series S Size 3 .125" Centers
Probe
Receptacle
.080 (2.03)
.067 (1.70)
1.310 (33.27)
.100 (2.54)
.300 (7.62)
.098 +.003 -.000 (2.49)
1.215 (30.86)
Series S Size 4 .156" Centers
Probe
Receptacle
.156 (3.96)
.250 (6.35) Max. Travel
.078 (1.98)
1.330 (33.78)
.106 (2.69)
.300 (7.62)
.111 +.003 -.000 (2.82)
1.220 (30.90)
1.000 (25.40)
Series S Size 5 .187" Centers
Probe
Receptacle
.156 (3.96)
.110 (2.79)
.250 (6.35) Max. Travel
1.420 (36.07)
.125 (3.18)
.140 (3.56)
.300 (7.62)
.144 +.004 -.000 (3.66)
1.295 (32.89)
1.095 (27.81)
G
.050 (1.27)
.103 (2.62)
223 (5.66)
.090 (2.29)
.153 (3.89)
.395 (10.03)
.292 (7.42)
.080 (2.03)
.020 (0.51) ø hole
H
.103 (2.62)
.050 (1.27)
.355 (9.02)
.090 (2.29)
.252 (6.40)
.020 (0.51)
.153 (3.89)
.049 (1.24)
.020 (0.51) ø hole
.080 (2.03)
I
.088 (2.24)
.045 (1.14)
.373 (9.47)
.054 (1.37)
J
.027 (0.69)
.088 (2.24)
.039 (9.47)
.373 (9.47)
.205 (5.21)
.034 (0.86)
K
.090 (2.29)
.030 (0.76)
.206 (5.23)
.020 (0.51)
.325 (8.26)
.110 (2.79)
.054 (1.37)
L
.113 (2.87)
.110 (2.79)
.330 (8.38)
.820 (20.83)
.097 (2.46)
.590 (14.99)
M
.110 (2.79)
.035 (0.89)
1.30 (33.02)
Probe Tips
B
.020 (0.51)
ES
.046 (1.17)
H
.035 (0.89)
J
.020 (0.51)

SERIES S SIZE 3 .125" CENTERS

RoHS Compliant

Technical Summary:
- Recommended Minimum Centers: .1250 (3,180)
- Current Rating: 5A continuous
- Spring Force: 4.0 (113g) @ .1700 (4,320) travel
- Contact Resistance: Less than 20mΩ
- Recommended Working Travel: .1700 (4,320)

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Stainless Steel, Gold Plated
- Plunger: Beryllium Copper, Gold Plated over Nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
Spring Contact Probes						
818	S-3-A-4-G	A	Headed Cup	1.50	1.35	1.22
818	S-3-H-4-G	B	Headed Serrated	1.50	1.35	1.22
818	S-3-J-4-G	C	Headless Radius	1.50	1.35	1.22
Receptacles						
818	R-3-CR	- - -	Receptacle, Crimp	.53	.48	.43
818	R-3-SC	- - -	Receptacle, Solder Cup	.70	.63	.57

SERIES S SIZE 4 .156" CENTERS

RoHS Compliant

Technical Summary:
- Recommended Minimum Centers: .156 (3,960)
- Current Rating: 5A continuous
- Spring Force: 5oz. (142g) @ .1700 (4,320) travel
- Contact Resistance: Less than 20mΩ
- Recommended Working Travel: .1700 (4,320)

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Stainless Steel, Gold Plated
- Plunger: Beryllium Copper, Gold Plated over Nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
Spring Contact Probes						
818	S-4-A-5-G	D	.156" Headed Cup	1.95	1.76	1.58
818	S-4-D-5-G	E	.156" Headed Radius	1.95	1.76	1.58
818	S-4-H-5-G	F	.156" Headed Serrated	1.95	1.76	1.58
Receptacles						
818	R-4-SC	- - -	.156" Receptacle, Solder Cup	.70	.63	.57

SERIES S SIZE 5 .187" CENTERS

RoHS Compliant

Technical Summary:
- Recommended Minimum Centers: .1870 (4,750)
- Current Rating: 5A continuous
- Spring Force: 16.4 (465g) @ .1700 (4,320) travel
- Contact Resistance: Less than 8mΩ
- Recommended Working Travel: .1700 (4,320)

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Music Wire or Stainless Steel
- Plunger: Beryllium Copper, Gold Plated over Nickel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
Spring Contact Probes						
818	S-5-A-16.4-G	D	Headed Cup 16.4 oz.	2.63	2.37	2.13
818	S-5-A-8-G	D	Headed Cup 8 oz.	2.70	2.43	2.19
818	S-5-H-8-G	F	Headed Serrated 8 oz.	2.63	2.37	2.13
Receptacles						
818	R-5-SC	- - -	Receptacle, Solder Cup	1.08	.97	.87

BATTERY AND CONNECTOR CONTACTS

RoHS Compliant

Technical Summary:
- Recommended Minimum Centers: .175 (4,45)
- Current Rating: 10A continuous
  (Individual probe in free air @ ambient temp)
- Spring Force: 6.2oz. @ .060 (1,52) travel
- Contact Resistance: Less than 10mΩ
- Recommended Working Travel: .060 (1,52)
- Max. Travel: .090 (2,29) travel

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Stainless Steel, Gold Plated
- Plunger: Full hard Beryllium Copper, Gold Plated over Nickel
- Ball: Stainless Steel, Gold Plated

Special Features:
- Bias Ball Construction
- Mounting Flange

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
818	100410-005	G	Battery Contact 6.2 oz.	1.18	1.06	.95
818	100891-002	H	Battery Contact 9 oz.	1.08	.97	.87
818	100737-001	I	Battery Contact Probe 100 mil 2.2 oz.	.88	.79	.70
818	100803-000	J	Battery Contact Probe 50 mil 1.3 oz.	1.33	1.19	1.06
818	101050-003	K	Battery Contact Probe 125 mil 2.3 oz.	.73	.65	.58

BATTERY CONTACT PROBES - 100 MIL

RoHS Compliant

Technical Summary:
- Recommended Minimum Centers: .1000 (2,540)
- Current Rating: 3A continuous
- Spring Force: 3.8oz. (108g) @ .0500 (1,270) travel
- Contact Resistance: Less than 30mΩ
- Recommended Working Travel: .0500 (1,270)

Materials:
- Contact Barrel: Nickel/Silver, Gold Plated
- Spring: Stainless Steel, Gold Plated
- Plunger: Beryllium Copper, Gold Plated over Nickel

For quantities of 100 and up, call for quote.

818	GSS-10-3.8-G	I	Headless Radius	.90	.81	.73
818	GSS-19-3.8-G	I	Headless Serrated (Plunger - Fig. B)	.90	.81	.73
818	GSS-3-3.8-G	K	Headed Radius (Flat Round Plunger)	.90	.81	.73

SINGLE ENDED COAXIAL PROBES

Technical Summary:
- Minimum Centers: .200 (5,08)
- Current Rating: 3A continuous
- Working Travel: .070 (1,78) travel
- Max. Travel: .090 (2,29) travel for tips B, J & U
  .075 (1,91) travel, for tips A, ES & H

Materials:
- Signal Conductor: 1.6 oz. @ .070 (1,78) travel, for tips B, J & U
  2.0 oz. @ .070 (1,78) travel, for tips A, ES & H
- Shielding Plunger: 4.3 oz. @ .070 (1,78) travel

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Mounting Flange	Shielding Plunger	Cable Length	Price Each		
Mfr.	Mfr. Part No.					1	25	50
818	100445-000-12A	L	No	Flat	12"	68.58	61.72	54.86
818	100445-001-12A	L	Yes	Flat	12"	68.58	61.72	54.86
818	100445-001-24A	L	Yes	Flat	24"	68.58	61.72	54.86
818	100445-023-12A	L	Yes	Serrated	12"	68.58	61.72	54.86

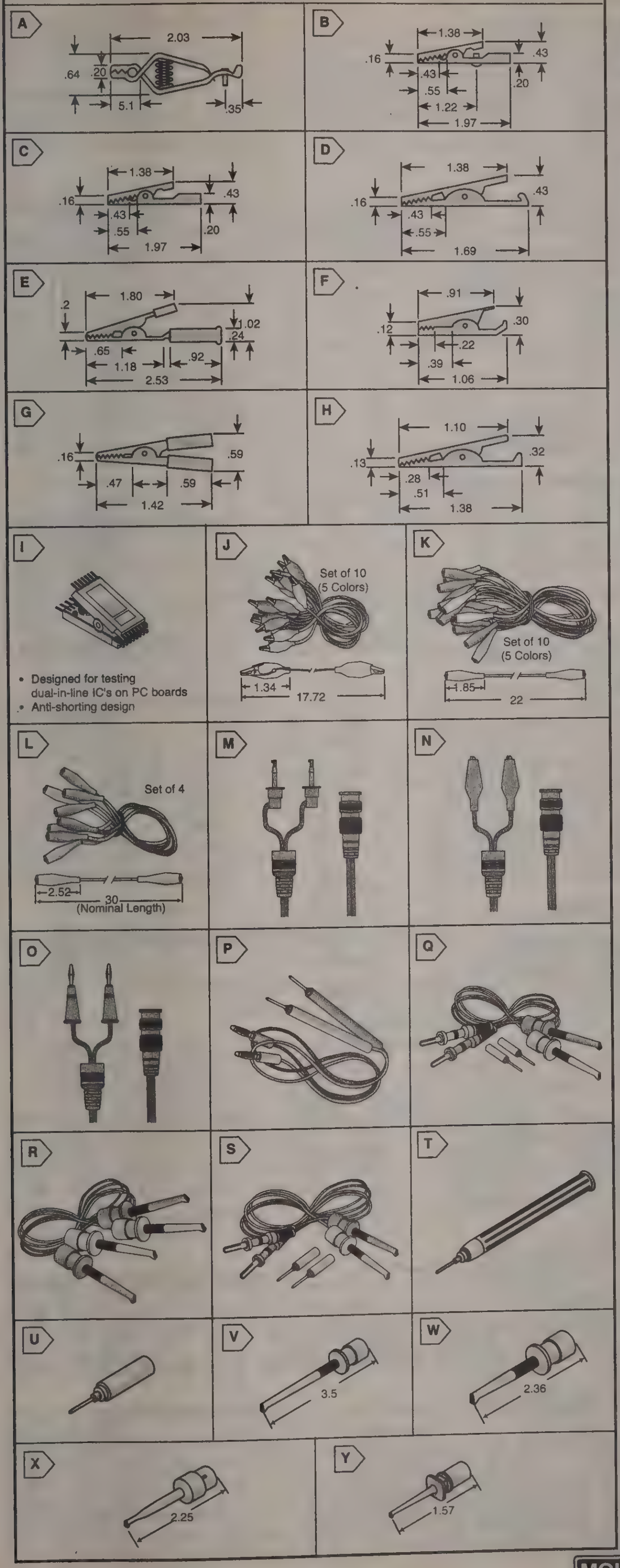
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Probe Tip	Cable Length	Term.	Price Each		
Mfr.	Mfr. Part No.					1	25	50
818	100526-004-8A	M	J	8"	SMA	52.23	47.00	41.78
818	100526-030-12A	M	ES	12"	SMA	52.23	47.00	41.78
818	100526-025-6A	M	B	6"	SMA	52.23	47.00	41.78
818	100526-031-8A	M	B	8"	SMA	52.23	47.00	41.78
818	100526-023-10A	M	H	10"	SMA	52.23	47.00	41.78

KOBICONN Test Clips, Leads and Tip Plugs

KOBICONN

DIMENSIONS: in.



- Designed for testing dual-in-line IC's on PC boards
- Anti-shorting design

BATTERY CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	DGS	Smith	Description	Price Each		
					1	100	500
13AC511	A	48R&49R	- - - -	Clip with red insulated boot	1.35	1.04	.95
13AC512	A	48B&49B	- - - -	Clip with black insulated boot	1.35	1.04	.95

ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	DGS	Smith	Description	Price Each		
					1	100	500
13AC008	B	60S	- - - -	Clip/non-insulated screw terminal	.48	.32	.29
13AC009	C	60	300	Clip/non-insulated	.35	.23	.21
13AC140	D	- - - -	- - - -	Clip/non-insulated solder terminal	.45	.30	.28
13AC141	-	62R	331R	Red boot for clips above	.35	.23	.21
13AC142	-	62B	331B	Black boot for clips above	.35	.23	.21
13AC091	E	- - - -	- - - -	Clips with red insulated sleeve and tab	.57	.38	.34
13AC092	E	- - - -	- - - -	Clips with black insulated sleeve and tab	.57	.38	.34
13AC120	F	30	338	Test clip (non-insulated) solder term	.40	.27	.24
13AC121	-	32R	389R	Red insulating boot for 13AC120	.19	.11	.10
13AC122	-	32B	389B	Black insulated boot for 13AC120	.19	.11	.10
13AC162	G	- - - -	- - - -	Clip/black insulated; Tabs, solder terminal	.71	.47	.43
13AC130	H	- - - -	- - - -	Test clip (non-insulated) solder terminal	.44	.29	.26
13AC131	-	- - - -	- - - -	Red insulated boot for 13AC130	.20	.13	.12
13AC132	-	- - - -	- - - -	Black insulated boot for 13AC130	.20	.13	.12

(DIP) DUAL-IN-LINE PACKAGE TEST CLIPS

MOUSER STOCK NO.	Fig.	Description	Price Each
383-R14	I	14 pin DIP IC test clip	6.38
383-R16	I	16 pin DIP IC test clip	6.88
383-R24	I	24 pin DIP IC test clip	8.90
383-R40	I	40 pin DIP IC test clip	13.35

JUMPER TEST LEADS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Length (in.)	Description	Price Each	
				1	10
13AC010	J	18	Miniature test leads, set of 10, 5 colors	9.34	7.78
13AC012	K	22	Standard test leads, set of 10, 5 colors	12.76	10.63
13TC900	L	30	Heavy duty, set of 4: red, green, yellow, blk	5.12	4.23
132-0910	L	30	Heavy duty, set of 4: 2 red, 2 black	5.45	4.54

TEST CABLES

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Length (in.)	Description	Price Each			
					1	10	25	100
132-0021	M	Black	46	BNC Plug - Mini Grabbers	13.05	10.88	9.89	8.99
132-0022	N	Black	46	BNC Plug - Alligator Clips	10.55	8.79	7.99	7.29
132-0023	O	Black	46	BNC Plug - Banana Plug	11.17	9.31	8.46	7.69

TEST LEADS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Length (in.)	Description	Price Each	
				1	10
13PN071-EX	P	40	Test prod to banana plug, set of 2	5.20	4.34
13PN086	Q	48	3 1/2" IC test clip to banana plug, set of 2	10.52	9.56
13TC081	R	24	IC test clip to IC test clip, set of 2	10.15	9.22
13TC084	S	48	2 1/4" IC test clip to banana plug with plug test tip adapter, set of 2	9.47	8.61

TIP PLUGS AND TEST PRODS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
			1	10	100
17PR121	T	Test prod, solder, red plastic handle	2.00	1.54	1.40
17PR122	T	Test prod, solder, black plastic handle	2.00	1.54	1.40
171-0111-EX	U	Pin plug, solder, red plastic handle	.64	.43	.38
171-0112-EX	V	Pin plug, solder, black plastic handle	.64	.43	.38

IC TEST CLIPS

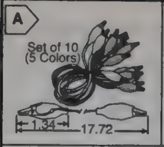
For quantities greater than listed, call for quote.

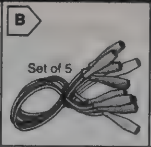
MOUSER STOCK NO.	Fig.	Color	Description	Price Each	
				1	10
13IC331	V	Red	Ideal for testing miniature and subminiature equipment, do-it-yourself test clips provide ability to build your own leads	1.77	1.47
13IC332	V	Black		1.77	1.47
13IC305	W	Red		1.49	1.24
13IC306	W	Black		1.49	1.24
13IC301	X	Red		1.49	1.24
13IC302	X	Black		1.49	1.24
13IC307	Y	Red	Subminiature test clips are useful for making rapid and reliable tests. Small size allows many test points at once, without clutter	1.15	.96
13IC308	Y	Black		1.15	.96
13IC309	Y	Blue		1.15	.96
13IC310	Y	Green		1.15	.96
13IC311	Y	Yellow		1.15	.96

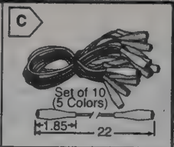
MUELLER Leads and Test Clips

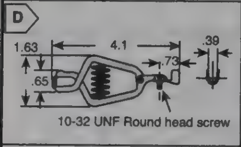
RoHS Compliant This page of product is compliant.

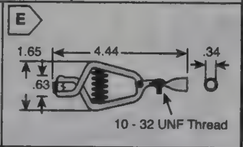
DIMENSIONS: in.

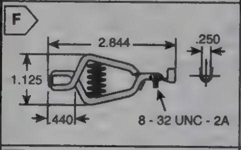
A


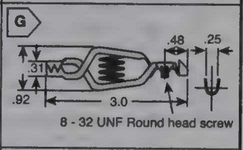
B


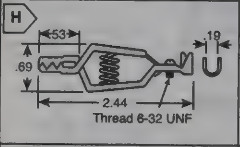
C


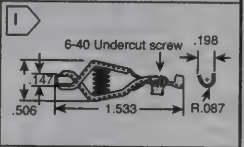
D


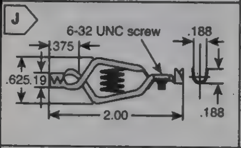
E


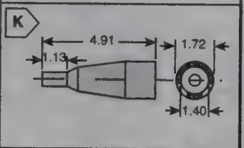
F


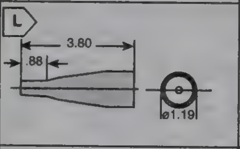
G


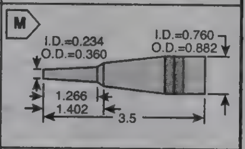
H


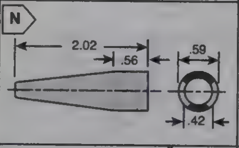
I


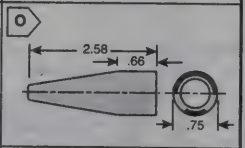
J


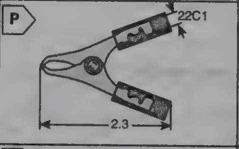
K


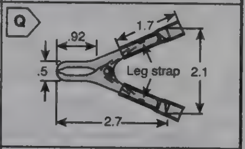
L


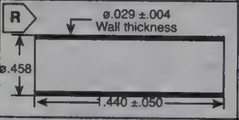
M


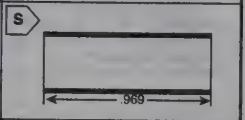
N


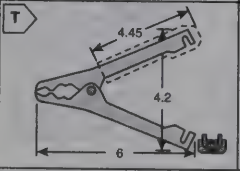
O


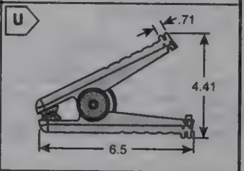
P


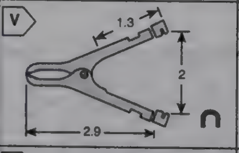
Q


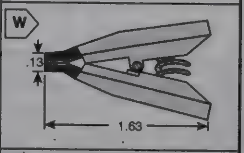
R


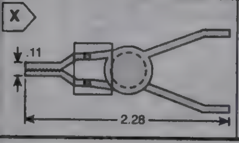
S


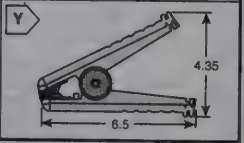
T


U


V


W


X


Y


MUELLER ALLIGATOR LEAD SETS

- 22 AWG wire
- Black-Green-Yellow-Red-White

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Price Each		
					1	100	500
548-285	BU-00285	A	18	Mini test clips, 10 clips, 5 colors	5.97	5.38	5.10
548-286	BU-00286	B	12	Heavy duty test clips, 5 clips, 5 colors	3.97	3.57	3.40
548-287	BU-00287	C	18	Standard test clips, 10 clips, 5 colors	5.97	5.38	5.10

MUELLER CLIPS

Center-Squeeze Clips

See insulators below for pricing.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each		
								1	100	500
548-21APN	BU-21APN	D	50	548-23__	1-1/16	1-1/0	Steel	2.15	1.93	1.84
548-BU21CPN	BU-21CPN	E	100	548-23__	1-1/16	1-1/0	Copper	5.10	4.85	4.61
548-24APN	BU-24APN	F	25	548-26__	3/4	8	Steel	1.01	.95	.89
548-24APS	BU-24APS	F	25	548-26__	3/4	8	Steel	1.01	.95	.89
548-BU-25	BU-25	G	40	548-26__	3/4	1	Steel	1.03	.93	.89
548-25C	BU-25C	G	75	548-26__	3/4	1	Copper	2.08	1.98	1.88
548-27	BU-27	H	20	548-29-__	5/8	12	Zinc	.70	.63	.59
548-27C	BU-27C	H	40	548-29-__	5/8	12	Solid Copper	.83	.75	.71
548-45	BU-45	I	5	548-47-__	5/16	7	Steel	.48	.43	.41
548-45C	BU-45C	I	10	548-47-__	5/16	7	Copper	.73	.69	.64
548-48-B	BU-48B	J	10	548-49-__	1/2	5	Steel	.64	.58	.55
548-48-C	BU-48C	J	20	548-49-__	1/2	5	Copper	.68	.61	.58

Center-Squeeze Clip Insulators

Available in 6 colors

Replace Blank with:

Black-0	Yellow-4	Blue-6
Red-2	Green-5	White-9

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Price Each		
					1	100	500
548-23-__	BU-23-__	K	5.00	Vinyl/insulator for #21 series alligator clips	1.18	1.06	1.01
548-26-__	BU-26-__	L	3.78	Vinyl/insulator for #22 & 25 series alligator clips	.86	.77	.74
548-29-__	BU-29-__	M	3.50	Vinyl/insulator for #20 series alligator clips	.58	.53	.50
548-47-__	BU-47-__	N	2.02	Vinyl insulator for # 45 & 45C	.20	.19	.18
548-49-__	BU-49-__	O	2.56	Vinyl insulator for #48B & 48C	.51	.47	.43

Small Plier-Style Clips

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator Below	Jaw Opening	Wire AWG	Plating	Price Each		
								1	100	500
548-40A-0	BU-40A-0	P	15	548-42PR-__	3/4	12	Steel	.72	.65	.62
548-40A-2	BU-40A-2	P	15	548-42PR-__	3/4	12	Steel	.72	.65	.62
548-40C-0	BU-40C-0	P	20	548-42PR-__	3/4	12	Copper	.90	.81	.77
548-40C-2	BU-40C-2	P	20	548-42PR-__	3/4	12	Copper	.90	.81	.77
548-46A-B	BU-46A-0	Q	50	548-BU-46PR-__	1-1/8	2	Steel	.93	.84	.79
548-46A-R	BU-46A-2	Q	50	548-BU-46PR-__	1-1/8	2	Steel	.93	.84	.79
548-46C-0	BU-46C-0	Q	75	548-BU-46PR-__	1-1/8	2	Copper	1.23	1.11	1.05
548-46C-2	BU-46C-2	Q	75	548-BU-46PR-__	1-1/8	2	Copper	1.23	1.11	1.05

Small Plier-Style Clip Insulators

Additional colors are available. Contact a Mouser Representative for assistance.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Price Each		
					1	100	500
548-BU-46PR-0	BU-46PR-0	R	1-3/4	Black vinyl insulator plier type for # 46A & 46C	.19	.17	.17
548-BU-46PR-2	BU-46PR-2	R	1-3/4	Red vinyl insulator plier type for # 46A & 46C	.19	.17	.17
548-42PR-0	BU-42PR-0	S	0.969	Pair of Black Insulators for #40 Clip	.49	.46	.43
548-42PR-2	BU-42PR-2	S	0.969	Pair of Red Insulators for #40 Clip	.49	.46	.43

Large Plier-Style Clips

Available in 6 colors

Replace Blank with:

Black-0	Yellow-4	Blue-6
Red-2	Green-5	White-9

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each		
								1	100	500
548-41A-__	BU-41A-__	T	200	548-43PR-__	1-9/16	1	Steel	2.34	2.11	2.00
548-41C-__	BU-41C-__	T	400	548-43PR-__	1-9/16	1	Copper	5.24	4.72	4.48
*548-102B-__	BU-102B-__	U	500	Included	1.6	1	Copper	6.48	5.83	5.54

*Available in red and black only

Large Plier-Style Clip Insulators

Additional colors are available. Contact a Mouser Representative for assistance.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Price Each		
					1	100	500
548-43PR-0	BU-43PR-0	S	4.44	Pair of Black Insulators for BU-41 Clip	.49	.44	.42
548-43PR-2	BU-43PR-2	S	4.44	Pair of Red Insulators for BU-41 Clip	.49	.44	.42

Kelvinized Test Clips

Jaws are electrically isolated when opened for battery testing

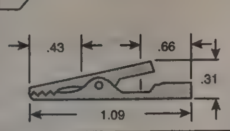
For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Plating	Price Each		
						1	100	500
548-BU-46K-0	BU-46K-0	V	2.9	Black Kelvin Clip - 50 Amp	Dichromate	2.76	2.48	2.36
548-BU-46K-2	BU-46K-2	V	2.9	Red Kelvin Clip - 50 Amp	Dichromate	2.76	2.48	2.36
548-BU-75K	BU-75K	W	1-5/8	Silver/Black Kelvin Steel Clip - 10 Amp	Silver	11.02	9.92	9.44
548-BU-78K	BU-78K	X	2.28	Gold Kelvin Copper Clip - 10 Amp	Gold	38.16	36.04	33.92
548-BU-102BK-0	BU-102BK-0	Y	6.5	Black Kelvin Clip - 500 Amp, Fully Insulated	Solid Copper	24.39	22.27	20.15
548-BU-102BK-2	BU-102BK-2	Y	6.5	Red Kelvin Clip - 500 Amp, Fully Insulated	Solid Copper	24.39	22.27	20.15

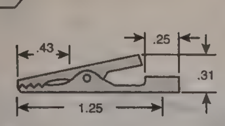
MUELLER Alligator Clips

DIMENSIONS: in.

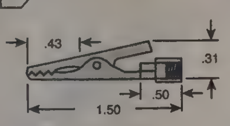
A



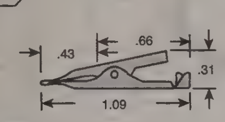
B



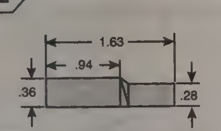
C



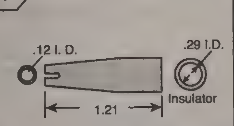
D



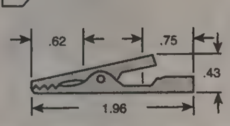
E



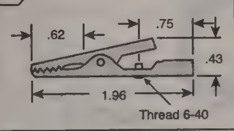
F



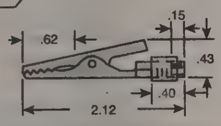
G



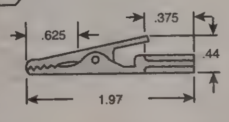
H



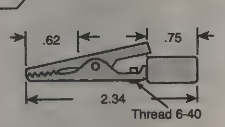
I



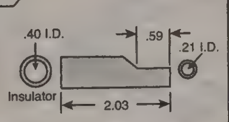
J



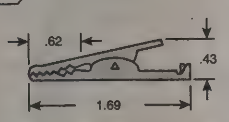
K



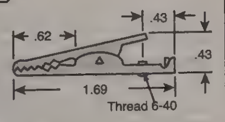
L



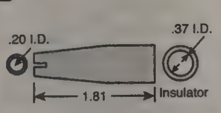
M



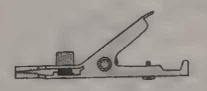
N



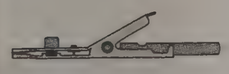
O



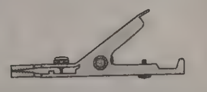
P



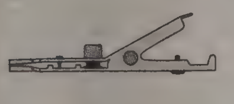
Q



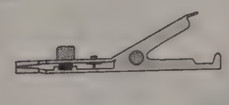
R



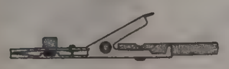
S



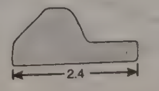
T



U



V



30 SERIES ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each		
								1	100	500
548-30	BU-30	A	5	548-32-__	3/16	20-24	Nickel	.24	.22	.21
548-30C	BU-30C	A	5	548-32-__	3/16	20-24	Solid Copper	.28	.25	.24
548-30-BL	BU-30BL	B	5	548-31-__	3/16	18-24	Nickel	.21	.20	.18
548-30-TBO	BU-30TBO	C	5	548-31-__	3/16	20-24	Nickel	.53	.47	.45
548-34	BU-34	D	5	548-36__	3/16	20-24	Nickel	.40	.37	.35
548-34C	BU-34C	D	5	548-36__	3/16	20-24	Copper	.44	.40	.38
548-30X	BU-30X	A	5	548-32-__	3/16	20-24	Steel	.55	.50	.47

30 SERIES ALLIGATOR CLIP INSULATORS

Replace Blank with:
Black-0 **Yellow-4** **Blue-6**
Red-2 **Green-5** **White-9**

Available in 6 colors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Price Each		
					1	100	500
548-31-__	BU-31-__	E	1.63	Vinyl/insulator for #30BL & 30TBO series miniature clips	.19	.18	.17
548-32-__	BU-32-__	F	1.22	Vinyl/insulator for #30 series miniature clips	.18	.17	.16
548-36-__	BU-36__	F	1.22	Vinyl/insulator for #34 series miniature clips	.18	.17	.16

60 SERIES ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each		
								1	100	500
548-60	BU-60	G	10	548-62__	5/16	14-20	Nickel	.29	.26	.25
548-60-S	BU-60S	H	10	548-62__	5/16	14-20	Nickel	.40	.37	.34
548-60-CS	BU-60CS	H	10	548-62__	5/16	14-20	Solid Copper	.55	.50	.47
548-60-TBO	BU-60TB0	I	10	548-62__	5/16	14-20	Nickel	.58	.53	.50
548-60-PR2	BU-60PR2	J	10	548-62__	5/16	14-20	Nickel	.50	.46	.43
548-60X	BU-60X	G	10	548-62__	5/16	14-20	Steel	.80	.72	.69

60 SERIES INSULATED ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each		
								1	100	500
548-60-HSB	BU-60HS-0	K	10	Included	5/16	Black	Nickel	.63	.57	.54
548-60-HSR	BU-60HS-2	K	10	Included	5/16	Red	Nickel	.63	.57	.54
548-60-CHSB	BU-60CHS-0	K	10	Included	5/16	Black	Solid Copper	.72	.65	.62
548-60-CHSR	BU-60CHS-2	K	10	Included	5/16	Red	Solid Copper	.72	.65	.62

60 SERIES ALLIGATOR CLIP INSULATORS

Replace Blank with:
Black-0 **Yellow-4** **Blue-6**
Red-2 **Green-5** **White-9**

Available in 6 colors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Price Each		
					1	100	500
548-62-__	BU-62-__	L	2.03	Black vinyl insulator for #60 series alligator clips	.19	.17	.16

70 SERIES ALLIGATOR CLIPS

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Amps	Use with Insulator	Jaw Opening	Wire AWG	Plating	Price Each		
								1	100	500
548-70	BU-70	M	5	548-72__	5/16	16-20	Nickel	.42	.40	.37
548-70-S	BU-70S	N	5	548-72__	5/16	16-21	Nickel	.48	.43	.41
548-70-CS	BU-70CS	N	10	548-72__	5/16	16-22	Copper	.60	.54	.51

70 SERIES ALLIGATOR CLIP INSULATORS

Replace Blank with:
Black-0 **Yellow-4** **Blue-6**
Red-2 **Green-5** **White-9**

Available in 6 colors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Price Each		
					1	100	500
548-72-__	BU-72__	O	1.81	Vinyl insulator for #70 series alligator clips	.29	.26	.24

INSULATION PIERCING CLIPS FROM JS POPPER

The Telecom industry standard for over 40 years!

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Use with Insulator	Price Each	
						1	100
548-JP-25182	JP-25182	P	2.33	small, bed of nails	548-JP-8681-__	3.34	3.00
548-JP-25182-J-C0	JP-25182-J-C0	Q	2.33	small, bed of nails, w/black boot	included	7.00	6.30
548-JP-25182-J-C2	JP-25182-J-C2	Q	2.33	small, bed of nails, w/red boot	included	7.00	6.30
548-JP-8078	JP-8078	R	2.33	small, hex head spike	548-JP-8681-__	2.65	2.39
548-JP-33674	JP-33674	S	2.6	large, straight jaw, bed of nails & spike	548-JP-8681-__	5.54	4.99
548-JP-8783	JP-8783	T	2.61	large, bed of nails & Spike	548-JP-8681-__	5.10	4.59
548-JP-8783-J-C0	JP-8783-J-C0	U	2.61	large, bed of nails & Spike, w/black boot	included	5.38	5.04
548-JP-8783-J-C2	JP-8783-J-C2	U	2.61	large, bed of nails & Spike, w/red boot	included	5.39	4.85

JS POPPER INSULATORS

Replace Blank with:
Black-0 **Yellow-4** **Blue-6**
Red-2 **Green-5** **White-9**

Available in 6 colors

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Mueller Part No.	Fig.	Length (in.)	Description	Price Each		
					1	100	500
548-JP8681-__	JP-8681-__	V	2.4	Insulated Boot for JP-x Clip	.62	.53	.53

Pomona. SMA PLUG 50 OHM CABLE

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Length (in.)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
RG174/U							
565	4846-K-24	A	SMA male (plug) to SMA male (plug), 50Ω	24	43.54	41.42	39.29
565	4846-K-48	A	SMA male (plug) to SMA male (plug), 50Ω	48	43.54	41.42	39.29
565	4846-K-60	A	SMA male (plug) to SMA male (plug), 50Ω	60	43.54	41.42	39.29
RG316/U							
565	4846-BB-24	A	SMA male (plug) to SMA male (plug), 50Ω	24	48.48	46.11	43.75
565	4846-BB-48	A	SMA male (plug) to SMA male (plug), 50Ω	48	48.48	46.11	43.75
565	4846-BB-60	A	SMA male (plug) to SMA male (plug), 50Ω	60	48.48	46.11	43.75
RG142B/U							
565	4846-X-24	A	SMA male (plug) to SMA male (plug), 50Ω	24	64.22	61.09	57.96
565	4846-X-48	A	SMA male (plug) to SMA male (plug), 50Ω	48	64.22	61.09	57.96
565	4846-X-60	A	SMA male (plug) to SMA male (plug), 50Ω	60	64.22	61.09	57.96
565	72926-C-40	A	IEC Insulated BNC Male 50Ω Cable	40	11.87	11.87	10.70
565	5144-48-0	B	SMD Microtip Test Probe	48	13.01	12.37	11.74

Pomona. BNC PLUG TO SMA PLUG 50OHM TEFLON INSULATED CABLE

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Length (in.)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
RG316/U							
565	4935-BB-24	C	BNC male (plug) to SMA male (plug), 50Ω	24	44.80	42.62	40.43
565	4935-BB-48	C	BNC male (plug) to SMA male (plug), 50Ω	48	44.80	42.62	40.43
565	4935-BB-60	C	BNC male (plug) to SMA male (plug), 50Ω	60	44.80	42.62	40.43

Pomona. MOLDED BREAKOUTS

For quantities of 100 and up, call for quote.

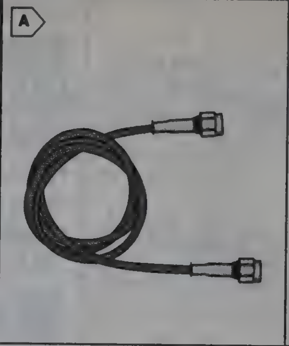
MOUSER STOCK NO.		Fig.	Description	Length (in.)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
565	4969	D	BNC female to 20AWG leads	5.9	7.02	6.68	6.33
565	2630	E	BNC female to mini alligator clips	5.0	10.69	10.17	9.65
565	2631	E	BNC female to minigator clips	5.9	10.69	10.17	9.65
565	3788	F	BNC female to Minigrabber test clips	5.5	10.30	9.81	9.32
565	3789	F	BNC male to Minigrabber test clips	5.5	12.79	12.17	11.54
565	3221	G	BNC female to stacking pin tip plugs	5.5	12.91	12.28	11.65
565	3073	H	BNC female to multi-stacking banana plugs	5.4	9.99	9.51	9.03
565	4970	I	BNC male to 20AWG leads	5.9	9.64	9.17	8.70
565	5187-C-36	J	Minigrabber test clips to BNC male RG58C/U	36.0	18.15	17.27	16.38

Pomona. BNC TO BNC WITH MOLDED STRAIN RELIEF

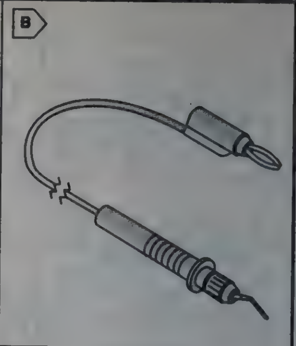
For quantities of 100 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Length (in.)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
RG58C/U							
565	2249-C-12	K	BNC male to BNC male, 50Ω	12	14.68	13.96	13.25
565	2249-C-24	K	BNC male to BNC male, 50Ω	24	14.68	13.96	13.25
565	2249-C-36	K	BNC male to BNC male, 50Ω	36	14.68	13.96	13.25
565	2249-C-48	K	BNC male to BNC male, 50Ω	48	18.47	17.57	16.66
565	2249-C-60	K	BNC male to BNC male, 50Ω	60	18.47	17.57	16.66
565	2249-C-72	K	BNC male to BNC male, 50Ω	72	18.47	17.57	16.66
565	2249-C-120	K	BNC male to BNC male, 50Ω	120	22.03	20.95	20.01
565	2249-C-180	K	BNC male to BNC male, 50Ω	180	26.65	25.35	24.05
RG223							
565	2249-Y-12	K	BNC male to BNC male, 50Ω	12	22.88	21.76	20.65
565	2249-Y-24	K	BNC male to BNC male, 50Ω	24	22.88	21.76	20.65
565	2249-Y-36	K	BNC male to BNC male, 50Ω	36	24.09	22.92	21.74
565	2249-Y-48	K	BNC male to BNC male, 50Ω	48	25.14	23.91	22.69
565	2249-Y-60	K	BNC male to BNC male, 50Ω	60	27.24	25.91	24.58
565	2249-Y-72	K	BNC male to BNC male, 50Ω	72	29.06	27.64	26.23
RG59B/U							
565	2249-E-12	K	BNC male to BNC male, 75Ω	12	15.73	14.96	14.19
565	2249-E-24	K	BNC male to BNC male, 75Ω	24	15.73	14.96	14.19
565	2249-E-36	K	BNC male to BNC male, 75Ω	36	14.96	14.19	13.52
565	2249-E-48	K	BNC male to BNC male, 75Ω	48	18.56	17.66	16.75
565	2249-E-60	K	BNC male to BNC male, 75Ω	60	18.56	17.66	16.75
565	2249-E-72	K	BNC male to BNC male, 75Ω	72	17.57	16.66	15.88
RG174/U							
565	2249-K-12	K	BNC male to BNC male, 50Ω	12	22.24	21.15	20.07
565	2249-K-24	K	BNC male to BNC male, 50Ω	24	22.24	21.15	20.07
565	2249-K-36	K	BNC male to BNC male, 50Ω	36	22.24	21.15	20.07
565	2249-K-48	K	BNC male to BNC male, 50Ω	48	24.09	22.92	21.74
565	2249-K-60	K	BNC male to BNC male, 50Ω	60	24.09	22.92	21.74
565	2249-K-72	K	BNC male to BNC male, 50Ω	72	25.50	24.26	23.01

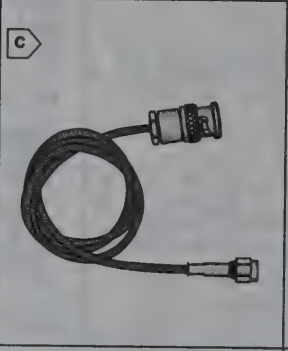
A



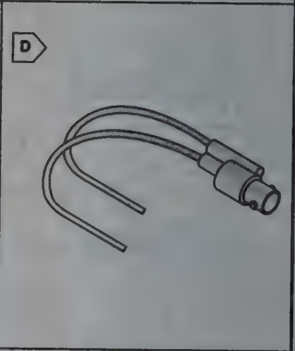
B



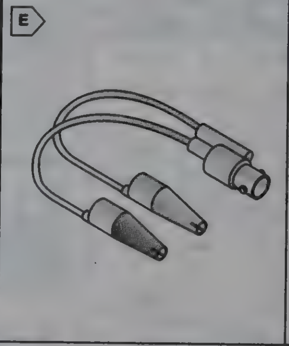
C



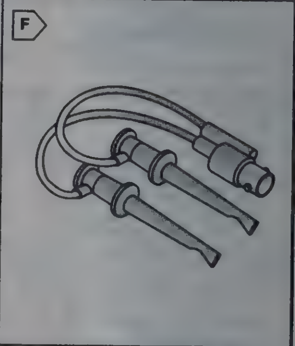
D



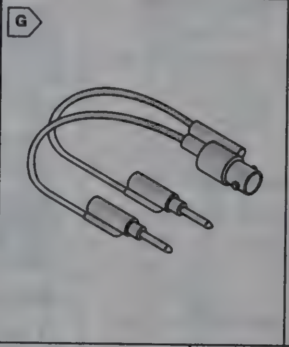
E



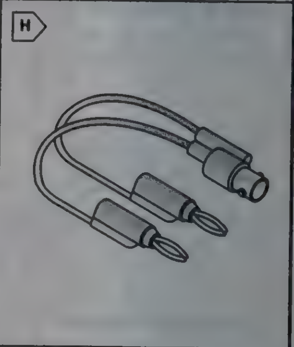
F



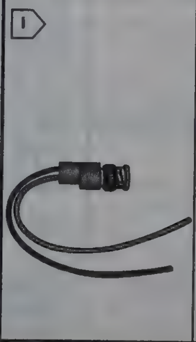
G



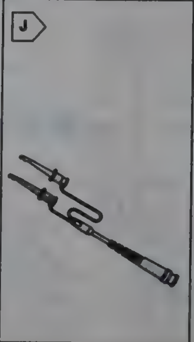
H



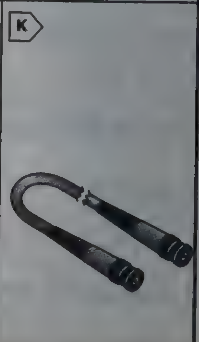
I



J



K



POMONA Test Clips and Accessories

BANANA PLUGS AND JACKS

* LAP = Lucel Acetal Polymer
P = Polycarbonate

Replace blank with 0 for Black, 2 for Red

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Insulation	Price Each		
Mfr. Mfr. Part No.			*	1	25	50
Plugs						
565—1825-__	A	Solderless stackup banana plug	ABS	1.56	1.49	1.42
565—1325-__	B	Do-it-yourself sldrless stackup banana plug	ABS	1.56	1.49	1.42
565—5169-__	C	Insul. banana plug w/flexible boot 18-22AWG	PVC	2.43	2.29	2.19
565—5170-__	C	Insul. banana plug w/flexible boot 14-16AWG	PVC	2.43	2.29	2.19
565—MDP-__	D	Double banana with wire guide	ABS	2.61	2.49	2.37
565—MDP-S-__	D	Double banana with shorting bar	ABS	4.15	3.95	3.74
565—122505A	E	Retractable sheath banana plug Black	LAP	4.40	4.18	3.97
565—122506A	E	Retractable sheath banana plug Red	LAP	4.40	4.18	3.97
565—4513	F	Mini. banana plug with threaded stud .48"	-	2.25	2.00	1.89
565—3276	F	Mini. banana plug with threaded stud .23"	-	1.35	1.29	1.23
565—3268	G	Mini. rivet type banana plug .062" panel	-	1.15	1.09	1.04
565—2035-__	H	Mini. double banana plug with shorting bar	ABS	5.56	5.29	5.05
Jacks						
565—1581-__	I	Panel mount banana jack	P	1.04	.99	.94
565—2854-__	I	Panel mount banana jack	P	2.35	2.10	1.99
565—2269-0	J	Double panel mount banana jacks with black mounting base	P	3.03	2.89	2.75
565—4243-__	K	Binding post with double mounting base	P	6.25	5.94	5.68
565—2142-__	I	Miniature banana jack, panel mount	P	1.55	1.38	1.30
565—2143-__	J	Miniature banana jack in double mounting base, panel mount	P	3.77	3.61	3.43
565—3542-__	I	Pin tip jack	P	1.73	1.55	1.46
565—5168-__	L	Insulated banana jack with flexible boot 14-16 AWG	PVC	2.43	2.29	2.19
565—3267	M	Uninsulated banana jack	-	1.15	1.03	.98
565—6728-__	N	4mm Safety ban. jack to ban. plug adapter	Nylon 6	3.46	3.29	3.12
565—6720-__	O	4mm Safety ban. jack to 6/32 thread adapter	Nylon 6	3.46	3.29	3.12
565—3452-__	P	Dual pin tip jack with shorting bar	P	5.13	4.88	4.63
565—4995-__	Q	Spring loaded binding post	Nylon	19.61	18.66	17.70
565—72911	R	Insulated BNC to 2 Male Banana	Polyamide	16.77	16.77	14.49
565—72908	S	Insulated BNC to Stackable/ Retractable 4mm Plugs	Nylon	14.73	14.73	12.20
565—72912-_	T	Panel mount IEC1010 banana jack for sheathed plugs, threaded stud	-	26.75	26.75	25.43
565—72913-_	T	Panel mount IEC1010 banana jacks for sheathed plugs, solder tab	-	22.95	22.95	21.84

BINDING POSTS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each		
Mfr. Mfr. Part No.			1	25	50
565—6883	U	Dual binding posts	2.39	2.27	2.16
565—6884	V	Dual binding posts, raised base	2.24	2.12	2.02

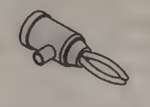
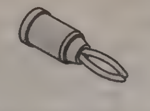
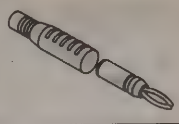
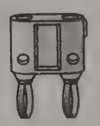
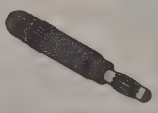
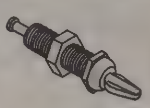
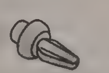
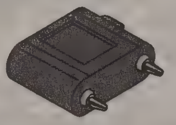
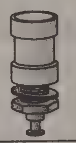
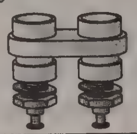
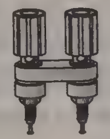
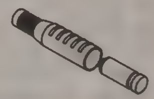
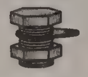
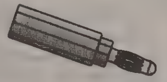
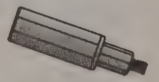
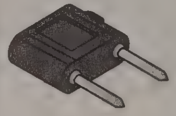
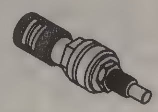
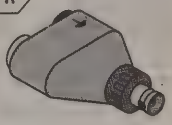
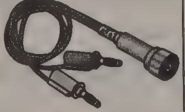
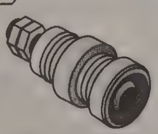
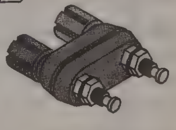
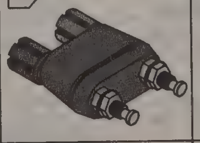
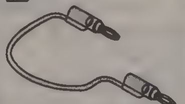
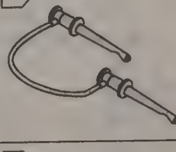
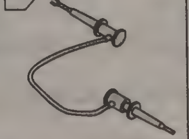
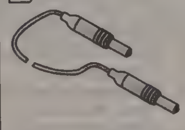
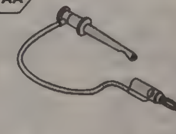
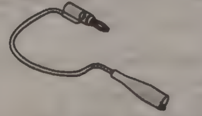
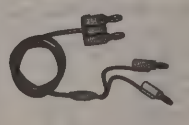
TEST LEADS

Replace blank with 0 for Black, 2 for Red

- Current rating: 5A

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Length (In.)	Price Each		
Mfr. Mfr. Part No.				1	25	50
Patch Cords						
565—B4-__	W	Stacking standard banana plug each end	4	4.30	4.09	3.90
565—B8-__	W	Stacking standard banana plug each end	8	4.40	4.18	3.99
565—B12-__	W	Stacking standard banana plug each end	12	4.40	4.18	3.99
565—B18-__	W	Stacking standard banana plug each end	18	4.51	4.29	4.10
565—B24-__	W	Stacking standard banana plug each end	24	4.50	4.29	4.08
565—B36-__	W	Stacking standard banana plug each end	36	4.61	4.39	4.17
565—B48-__	W	Stacking standard banana plug each end	48	4.71	4.48	4.28
565—B72-__	W	Stacking standard banana plug each end	72	4.92	4.68	4.47
565—1440-24-__	W	Cross stacking banana plug patch cord	24	6.81	6.47	6.14
565—1440-36-__	W	Cross stacking banana plug patch cord	36	6.81	6.47	6.14
565—1440-48-__	W	Cross stacking banana plug patch cord	48	6.81	6.47	6.14
565—1440-60-__	W	Cross stacking banana plug patch cord	60	6.81	6.47	6.14
565—4613-12-__	X	Micrograbber test clip patch cord	12	6.61	6.29	6.00
565—4613-24-__	X	Micrograbber test clip patch cord	24	6.71	6.38	6.09
565—4613-36-__	X	Micrograbber test clip patch cord	36	6.81	6.47	6.18
565—3781-8-__	X	Minigrabber test clip each end	8	4.15	3.95	3.74
565—3781-12-__	X	Minigrabber test clip each end	12	4.15	3.95	3.74
565—3781-24-__	X	Minigrabber test clip each end	24	4.15	3.95	3.74
565—3781-36-__	X	Minigrabber test clip each end	36	4.15	3.95	3.74
565—3781-48-__	X	Minigrabber test clip each end	48	4.51	4.29	4.07
565—5301-12-__	Y	SMD Grabber test clip patch cord	12	8.35	7.94	7.53
565—5301-24-__	Y	SMD Grabber test clip patch cord	24	8.50	8.08	7.67
565—5301-36-__	Y	SMD Grabber test clip patch cord	36	8.59	8.17	7.76
565—4911A-12-__	Z	Retractable sheath banana plug patch cord	12	10.69	10.17	9.65
565—4911A-18-__	Z	Retractable sheath banana plug patch cord	18	10.81	10.28	9.75
565—4911A-24-__	Z	Retractable sheath banana plug patch cord	24	10.91	10.37	9.84
565—4911A-36-__	Z	Retractable sheath banana plug patch cord	36	11.00	10.47	9.93
565—4911A-48-__	Z	Retractable sheath banana plug patch cord	48	11.12	10.58	10.03
565—4911A-60-	Z	Retractable sheath banana plug patch cord	60	11.22	10.67	10.12
Test Clips						
565—3782-12-__	AA	Minigrabber test clip to stacking banana plug	12	5.35	5.09	4.82
565—3782-24-__	AA	Minigrabber test clip to stacking banana plug	24	5.35	5.09	4.82
565—3782-36-__	AA	Minigrabber test clip to stacking banana plug	36	5.56	5.29	5.02
565—3782-48-__	AA	Minigrabber test clip to stacking banana plug	48	5.66	5.38	5.11
565—1166-24-__	BB	Multi-stacking banana plug to alligator clip	24	5.03	4.79	4.57
565—1166-36-__	BB	Multi-stacking banana plug to alligator clip	36	4.79	4.57	4.33
565—1166-48-__	BB	Multi-stacking banana plug to alligator clip	48	5.44	5.18	4.91
565—1368-A-18	CC	Multi-stacking double to single banana plugs	18	26.65	25.35	24.05
565—1368-A-24	CC	Multi-stacking double to single banana plugs	24	26.65	25.35	24.05
565—1368-A-30	CC	Multi-stacking double to single banana plugs	30	26.65	25.35	24.05
565—1368-A-36	CC	Multi-stacking double to single banana plugs	36	26.65	25.35	24.05
565—1368-A-48	CC	Multi-stacking double to single banana plugs	48	26.65	25.35	24.05
565—1368-A-60	CC	Multi-stacking double to single banana plugs	60	26.65	25.35	24.05

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

BB

CC


POMONA Test Clips and Enclosures

Pomona. TEST LEAD HOLDERS AND PATCH CORDS KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Max Cable Dia. (in.)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
565—1508		A	Test lead holder, orange	0.210	11.50	10.94	10.44
565—2708		A	Test lead holder, blue	0.450	11.50	10.94	10.44
565—4408		A	Test lead holder, black	0.320	9.40	8.94	8.54
565—5523		B	Patch cord Kit: 10pcs, 1 ea. Standard color.	-	39.84	37.89	35.95

Pomona. GRABBERS AND TEST CLIPS

Replace blank with **0** for **Black**, **2** for **Red**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Max Wire Dia. (in.)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
565—3925-__		C	Do-it-yourself Minigrabber test clip .09Ga	0.09	1.67	1.59	1.51
565—4555-__		C	Do-it-yourself Minigrabber test clip .144Ga	0.14	1.77	1.69	1.61
565—4233-__		D	Do-it-yourself Micrograbber test clip	0.10	2.13	1.89	1.79
565—5243-__		E	Do-it-yourself SMD Grabber test clip	0.05	2.42	2.16	2.05
565—4723-__		F	Minigrabber test clip with banana Jack	0.15	5.03	4.79	4.57

Pomona. TEST CLIPS

Replace blank with **0** for **Black**, **2** for **Red**

For quantities greater than listed, call for quote.

565—5788-__	G	Miniature alligator to 2mm banana jack	0.24	2.40	2.13	2.02
565—2240-__	H	Alligator test clip to banana jack, with insulator	0.30	.87	.78	.73

Pomona. MICRO SMD GRABBER TEST CLIPS

Replace blank with **0** for **Black**, **2** for **Red**

For quantities greater than listed, call for quote.

565—6490-__	I	Micro SMD Grabber Test Clip for 0.05 to 0.02in.	-	27.80	26.44	25.09
565—6311	J	Micro SMD Grabber .0.03 to 0.01in. Long	0.55"	94.41	89.81	85.20
565—6312	J	Micro SMD Grabber 0.05 to 0.01in. Long	0.55"	94.41	89.81	85.20
565—6313	J	Micro SMD Grabber 0.05 to 0.01in. Short	0.55"	94.41	89.81	85.20
565—4771-36-__	K	Order to attach SMD Grabber Test Clip to DMM.	-	6.61	6.29	6.00

Pomona. TELECOM PRODUCTS (BANTAM PLUGS)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Length (in.)	Price Each		
Mfr.	Mfr. Part No.				1	25	50
565—4279-12		L	Bantam plug patch cable	12	28.29	26.91	25.53
565—4279-24		L	Bantam plug patch cable	24	28.29	26.91	25.53
565—4279-36		L	Bantam plug patch cable	36	28.29	26.91	25.53
565—4279-48		L	Bantam plug patch cable	48	30.32	28.84	27.37
565—4279-60		L	Bantam plug patch cable	60	30.32	28.84	27.37
565—5026-36		M	Bantam plug to 2 alligator clips patch cable	36	34.10	32.43	30.77
565—5026-60		M	Bantam plug to 2 alligator clips patch cable	60	35.88	34.13	32.38
565—4281-36		N	Bantam plug to double banana plug, balanced line	36	41.34	39.27	37.31
565—4281-48		N	Bantam plug to double banana plug, balanced line	48	41.34	39.27	37.31
565—4281-60		N	Bantam plug to double banana plug, balanced line	60	47.18	44.88	42.58
565—4280-36		O	Bantam plug to WE310 plug patch cable	36	41.93	39.89	37.84
565—4280-48		O	Bantam plug to WE310 plug patch cable	48	41.93	39.89	37.84
565—4280-60		O	Bantam plug to WE310 plug patch cable	60	41.93	39.89	37.84

Pomona. BOXES AND ENCLOSURES

Miniature Size Die Cast Aluminum Boxes (1.5"x1.13"x.88")

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	25	50
565—3752		P	Blue Bake Enamel Finish BNC (FML) to BNC(Male)	28.54	27.14	25.75
565—3753		P	Blue Bake Enamel Finish	8.18	7.78	7.39
565—3754		P	Unfinished	5.76	5.48	5.23
565—4742		-	Replacement Cover	3.56	3.39	3.21
565—3729		-	Flange Mounting Cover	6.47	6.14	5.85
565—4864		-	Cover Screws, 100/Package	17.52	16.66	15.81

'A' Size Die Cast Aluminum Boxes (2.25"x1.13"x.88")

For quantities greater than listed, call for quote.

565—2400	Q	Unfinished	7.13	6.79	6.48
565—2397	Q	Blue Bake Enamel Finish	8.50	8.09	7.72
565—2390	Q	Blue Bake Enamel Finish BNC (FML) to BNC(FML)	25.70	24.45	23.19
565—2391	Q	Blue Bake Enamel Finish BNC (Male) to BNC(FML)	28.01	26.64	25.28
565—4245	-	Replacement Cover	3.56	3.39	3.21
565—3728	-	Flange Mounting Cover	4.71	4.48	4.25
565—4864	-	Cover Screws, 100/Package	17.52	16.66	15.81

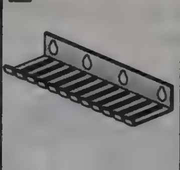
'B' Size Die Cast Aluminum Boxes (2.25"x1.38"x1.13")

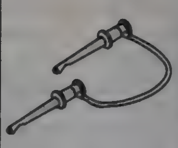
For quantities greater than listed, call for quote.

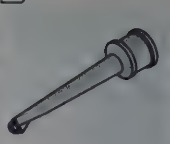
565—2417	Q	Blue Bake Enamel Finish	8.18	7.78	7.39
565—2428	Q	Unfinished	7.66	7.29	6.91
565—3230	Q	Blue Bake Enamel Finish BNC (FML) to BNC(FML)	24.55	23.35	22.16
565—4246	-	Replacement Cover	3.56	3.39	3.21
565—3719	-	Flange Mounting Cover	5.03	4.79	4.57
565—4864	-	Cover Screws, 100/Package	17.52	16.66	15.81

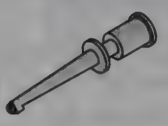
'C' Size Die Cast Aluminum Boxes With Cover (4.25"x2.64"x1.71")

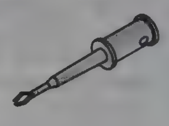
565—2901	R	Blue Bake Enamel Finish	19.89	18.92	18.07
565—2906	R	Unfinished	16.68	15.87	15.05
565—2902	R	Blue Bake Enamel Finish BNC (FML) to BNC(FML)	39.34	37.42	35.51
565—4248	-	Replacement Cover	5.87	5.58	5.30
565—6268	-	Cover Screws, 100/Package	15.84	15.05	14.30
565—2352	-	Connector Screws with Solder Turret for all Boxes	62.93	59.86	56.79

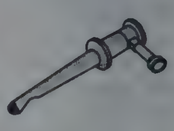
A


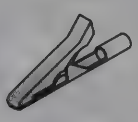
B


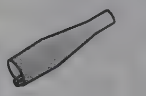
C


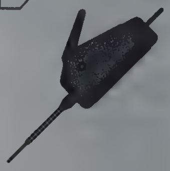
D


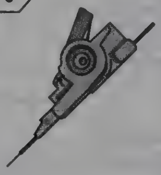
E


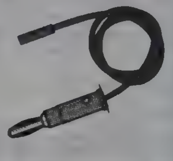
F


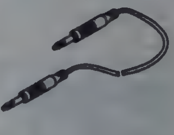
G


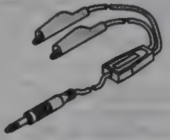
H


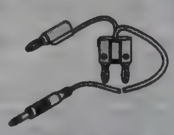
I


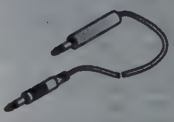
J


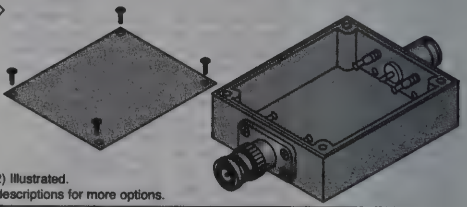
K


L


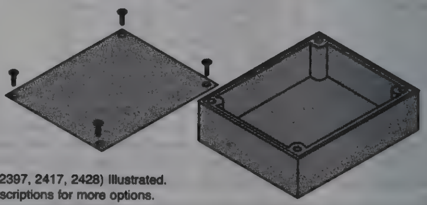
M


N


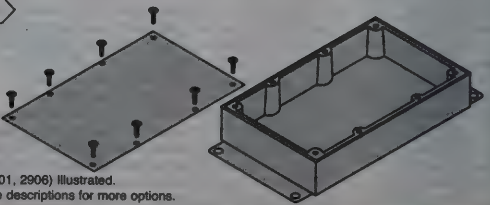
O


P


(3752) Illustrated.
See descriptions for more options.

Q


(2400, 2397, 2417, 2428) Illustrated.
See descriptions for more options.

R


(2901, 2906) Illustrated.
See descriptions for more options.

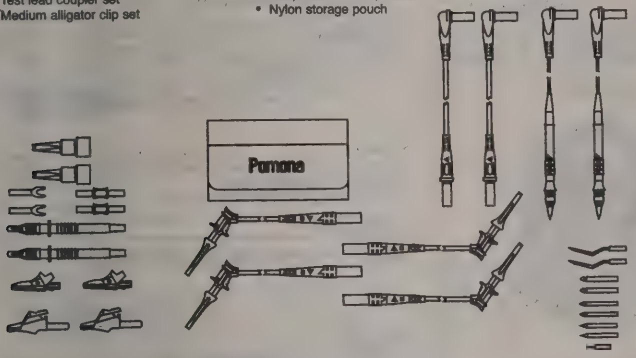
POMONA Test Lead Kits and Probe Sets

TEST PROBE KIT

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
565—6235		SMD Microtip Test Probe Set	24.65	23.45
565—5292-48		BNC Shielded Test Probe Kit	41.93	39.89
565—72928		SMD Multi-Use Test Kit	132.81	126.49
565—72935		SMD High Density Circuit Test Kit	184.11	172.49
565—72902		Micro SMD Grabber Test Clips Kit	188.95	179.95

DELUXE MULTI -USE DMM MAXI-KIT

Kit Includes:
- Silicone 4' leads with right angle plug
- Modular probe set with standard tips
- Full set of 5 replaceable tips
- Retractable tip test probe set
- Test lead coupler set
- Medium alligator clip set
- Large alligator clip set
- Bare spade lugs
- IC probe tip adapter
- Minigrabber® test clip leads
- Minipincer® test clip leads
- Nylon storage pouch

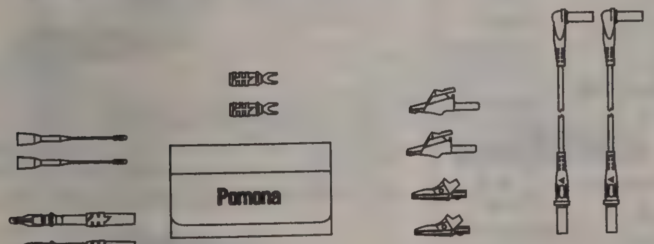


For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
565—5677B		Deluxe Multi-Use DMM Maxi-Kit	115.45	109.95

ELECTRICAL DMM TEST LEAD KIT

Kit Includes:
- Silicone 4' leads with right angle plug
- Modular probe set with standard tips
- Extended probe tip adapters
- Medium alligator clip set
- Large alligator clip set
- Insulated spade lugs
- Nylon storage pouch



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
565—5673B		Electrical DMM Test Lead Kit	54.55	51.95

PRECISION ELECTRONIC PROBE SET

Specifications:
- Compact design for tight test situations
- Probe set includes 5 spring-loaded tips for constant contact
- Silicone insulated leads resist abrasion and heat
- Comfort-grip textured surface

Features:
- Replaceable 0.04" (1.52 mm) pogo-pin tips
- Small outline for tight test situations
- Replaceable pogo-pin tips
- Fits all meters including Fluke, HP (Agilent), Keithley, Wavetek (Meterman), and others

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
565—6341		Precision Electronic Probe Set	35.64	33.90
565—6342		Probe Set with Sharp Point Gold	20.57	19.56
565—6275		Probe Set with Sharp Stainless Steel	18.04	17.16
565—6354		Replacement Probe Tips	17.66	16.75

DMM TEST LEAD SET

Specifications:
- CAT III
- 1,000V
- Silicone insulated 4 ft. leads
- Comfort-grip textured surface
- Durable 0.08" tips for long life

Features:
- Monolithic probes with fixed tips
- Comfort grip probe
- Fits most DMMs from Fluke, HP (Agilent), Wavetek (Meterman), Amprobe, Greenlee and others

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
565—5519A		DMM Test Lead Set	13.43	12.78
565—5898		Stainless Steel Heavy Duty Tip	13.84	13.17

KELVIN LEAD SET WITH KELVIN CLIPS

Features:
- Gold plated Kelvin clip jaws allow 4-wire resistive measurements
- Silicone insulated 3.3' (1 m) test lead
- safety sheathed straight DMM plugs for convenient bench use
- Clips firmly grip test points for low-loss connection

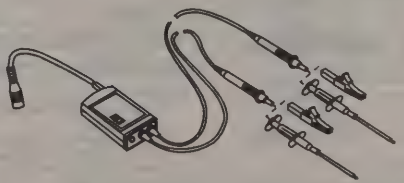
Rating:
For CE compliance: not intended for hand held use at voltages above 33 Vrms/ 70 VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
565—6730		Kelvin Lead Set with Kelvin Clips	119.65	113.95

DIFFERENTIAL OSCILLOSCOPE PROBE

Pomona Model 6731 differential voltage probe allows users to safely make floating high voltage measurements while using general purpose oscilloscopes. Using a built-in differential amplifier, the floating signal is converted and scaled to a low-voltage signal referenced to earth ground. The probe can be used on circuits associated with electronic high-power converters, motor speed controls, switching mode power supplies, and other high voltage circuits requiring isolation.



Features:
- Switchable attenuation of 20:1 and 200
- High impedance to ground for both positive and negative side of the balanced input
- Maximum differential voltage up to 1000V
- Bandwidth from DC to 20 MHz (-3 dB)
- Risetime: 17.5 ns
- The probe input uses shrouded banana test probe tip
- The output to the oscilloscope is made with a BNC cable with a safety insulated BNC male connector

Included with the 6731:
- Large jaw alligator clips (one red, one black)
- Pin-Grabber test clips (one red, one black)
- 9V Alkaline battery

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	5
565—6731		Differential Oscilloscope Probe	605.80	576.95
565—6732		Universal Power Adapter	99.79	99.15

REPLACEMENT PASSIVE OSCILLOSCOPE PROBES

Pomona's oscilloscope probes are designed, rated and specified to match the bandwidth of your instrument. This gives you a full voltage read-out through the entire rated bandwidth of the probe. These monolithic passive voltage probes feature high performance for greater test flexibility. Complete accessory kit included. Finally, a probe that gives you the full range you're paying for.

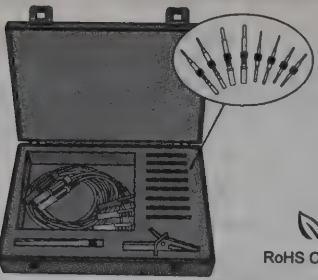
For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Attenuation	Bandwidth MHz	Risetime ns	Input Resistance MΩ	Capacitance pF	Compensation Range pF	Max Input Voltage	Price Each	
Mfr.	Mfr. Part No.								1	5
565—6266		X1/X10	20/60	17.5/5.83	1/10	65/11	NA/10~60	300	39.84	37.89
565—4550B		X1/X10	15/100	23.33/3.5	1/10	64/10.5	NA/10~60	300	56.27	52.76
565—5806A		X1/X10	20/200	17.5/1.75	1/10	77/11.5	NA/10~60	300	65.30	62.19
565—5827A		X100	200	1.75	10	5.5	15~50	300	102.35	95.96
565—6069A		X10	250	1.4	10	10	10~30	300	60.57	57.69

SILVERTRONIC Test Leads and Probes

RoHS Compliant This page of product is compliant.

MULTI-PIN CONNECTOR TEST KIT

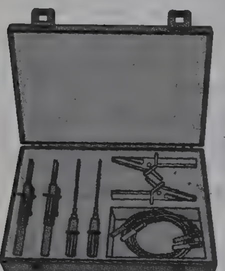


RoHS Compliant

Each Kit Includes:
- 48" Red & black double insulated silicone test leads
- 48" Green double insulated silicone grounded lead
- Fully insulated green crocodile clip (detachable - 4mm banana interface)
- 4 Pair of male/female contacts
- Red & black 3" extension bars
- Rugged, black hard plastic field case

835-129439	155.40

MULTI-PURPOSE TEST LEAD KIT

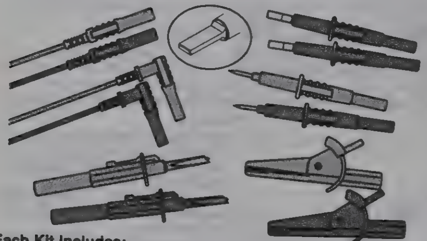


RoHS Compliant

Each Kit Includes:
- 1 Pair modular, double insulated, silicone leads, 48"
- 1 Pair sprung hooks
- 1 Pair long thin probes
- 1 Pair fully insulated crocodile clips
- Rugged hard plastic field case inserted with high-contrast blue foam

835-129442	63.53

NORTH AMERICAN TEST LEAD KIT

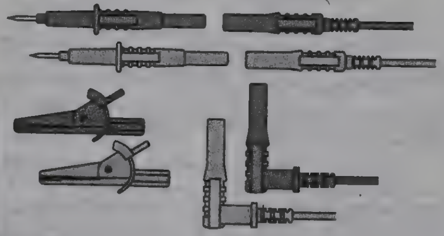


Each Kit Includes:
- 1 Pair modular, double insulated, silicone leads, 48"
- 1 Pair extra sharp, stainless steel probes
- 1 Pair fully insulated crocodile clips
- 1 Pair electric receptacle test adapters
- 1 Pair sprung hooks
- 1 Pair probe tip insulation extenders
- Packed in a silver tool roll for convenient storage

RoHS Compliant

835-129401	35.70

APPRENTICE TEST LEAD KIT

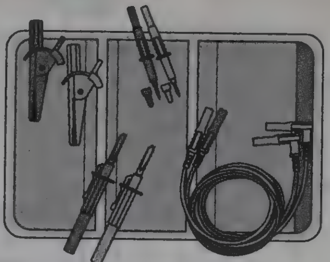


Each Kit Includes:
- 1 Pair modular, double insulated, silicone leads, 48"
- 1 Pair extra sharp, stainless steel probes
- 1 Pair fully insulated crocodile clips
- 1 Pair probe tip insulation extenders

RoHS Compliant

835-129272	17.85

JOURNEYMAN TEST LEAD KIT

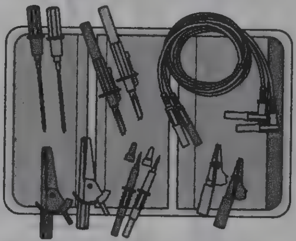


Each Kit Includes:
- 1 Pair modular, double insulated, silicone leads, 48"
- 1 Pair extra sharp, stainless steel probes
- 1 Pair fully insulated crocodile clips
- 1 Pair sprung hooks
- 1 Pair probe tip insulation extenders
- Packed in a silver tool roll for convenient storage

RoHS Compliant

835-129525	29.40

COMPREHENSIVE TEST KIT

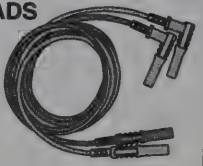


Each Kit Includes:
- 1 Pair modular, double insulated, silicone leads, 48"
- 1 Pair extra sharp, stainless steel probes
- 1 Pair fully insulated large crocodile clips
- 1 Pair thin spikes
- 1 Pair sprung hooks
- 1 Pair fully insulated small crocodile clips (Note: This item rated 300V CAT II, 10 Amps)
- 1 Pair probe tip insulation extenders
- Packed in a silver tool roll for convenient storage

RoHS Compliant

835-129526	40.95

MODULAR TEST LEADS



Features:
- Compatible with all industry standard 4mm instrument (DMM) sockets ("Drop-in" replacement)
- Double insulated silicone cable boasts 250+ copper strands for maximum flexibility and overall performance
- Bi-color insulation design alerts user if exposed conductor shock hazard is imminent
- Length 48"
- Rated 1000V CAT III/600V CAT IV, 20 Amps

RoHS Compliant

835-129301	8.40

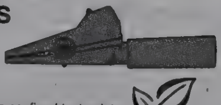
FULLY INSULATED LARGE CROCODILE CLIPS

Features:
- Accepts all industry standard 4mm test lead plugs
- Wide jaw opening & special tooth design assures firm grip and electrical contact
- Rated 1000V CAT III/600V CAT IV, 30 Amps
- One pair, Red/Black

RoHS Compliant

835-134222	6.30

FULLY INSULATED SMALL CROCODILE CLIPS



Features:
- Accepts all industry standard 4mm test lead plugs
- Rated 300V CAT II, 10 Amps
- Small size. Ideal for connecting to confined test points
- One pair, Red/Black

RoHS Compliant

835-134226	7.35

FULLY INSULATED MEDIUM CROCODILE CLIPS

Features:
- Accepts all industry standard 4mm test lead plugs
- Offset jaw & special tooth design grips small and large diameter test points securely
- Rated 1000V CAT II/600V CAT III, 20 Amps
- One pair, Red/Black

RoHS Compliant

835-134002	6.30

OEM PROBES

Features:
- Accepts all industry standard 4mm test lead plugs
- Extremely sharp, stainless steel prods
- Supplied insulation extenders aid precise probing
- Rated 1000V CAT III/600V CAT IV, 30A

RoHS Compliant

835-134247	5.00

SPRUNG HOOKS

Features:
- Accepts all industry standard 4mm test lead plugs
- Ideal for hands-free connections to IC legs and small conductors
- Rated 1000V CAT III/600V IV, 30A

RoHS Compliant

835-134204	5.25

THIN SPIKES

Features:
- Accepts all industry standard 4mm test lead plugs
- Designed for precise probing
- Rated 1000V CAT III/600V CAT IV, 10A

RoHS Compliant

835-134205	7.35

FULLY INSULATED SPADES

Features:
- Accepts all industry standard 4mm test lead plugs
- Tiered spade opening accommodates a variety of test point sizes
- Rated 1000V CAT III/600V CAT IV, 20A

RoHS Compliant

835-134206	5.25

TOOL ROLL

Features:
- Silver mesh, 2 pocket organizer
- Conveniently store your multi-meter leads & accessories

RoHS Compliant

835-119503	7.35

SAFETY PLUG ADAPTERS

Convert any Sheathed Banana-Terminated Lead to an Unsheathed Banana Plug.

Features:
- Accepts all industry standard 4mm test lead plugs
- Adapts old style, non-shrouded sockets to accept full safety shrouded plugs

RoHS Compliant

835-134356	3.15

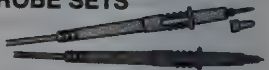
A/C RECEPTACLE TEST ADAPTERS

Features:
- Accepts all industry standard 4mm test lead plugs
- Bladed probes assure sound electrical contact with standard A/C receptacles
- Rated 1000V CAT III/600V CAT IV, 30A

RoHS Compliant

835-134321	7.35

TEST LEAD PROBE SETS



Features:
- Compatible with all industry standard 4mm instrument sockets ("Drop-in" replacement)
- Double insulated silicone cable boasts 250+ copper strands for maximum flexibility and overall performance

RoHS Compliant

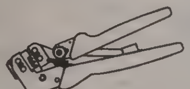
835-129303/OR	Right angle plug, 8-32 threaded	8.67
835-129303/OS	Shutter plug, 8-32 threaded	8.67
835-129303/SK	Stackable plug, 8-32 threaded	10.10
835-129305/OR	Right angle plug, 4mm banana	9.07
835-129305/OS	Shutter plug, 4mm banana	9.07
835-129305/SK	Stackable plug, 4mm banana	10.48

AMP Tools and Accessories

Crimping Tools		Insertion Tool	Extraction Tool	Accessories	Use with Connector Series
Pro-Crimper	Certi-Crimp				
571-908721			571-3188371		.093 Pin and Socket
571-908711			571-3188371		.093 Pin and Socket
571-908701			571-3188311		.062 Pin and Socket
571-908691			571-3188311		.062 Pin and Socket
				571-598031	MTA-100
				571-580741	MTA-100
				571-598041	MTA-156
				571-580741	MTA-156
571-585141		571-4558301	571-4558222		Miniature Rectangular (MR)
571-905741		571-4558301	571-4656441		Commercial MATE-N-LOK®
571-905751					Commercial MATE-N-LOK®
571-905481		571-4558301	571-3188511		Universal MATE-N-LOK® & MATE-N-LOK II®
571-905461					Universal MATE-N-LOK® & MATE-N-LOK II®
571-584951	571-903822	571-910672	571-910672		CPC
571-584482	571-903841	571-912851	571-910193		CPC
			571-911241		CPC
			571-305183		CPC
		571-912851	571-912851		Amplimite

TOOLS FOR PCB CONNECTORS AND PIN AND SOCKET CONNECTORS

Pro Crimper II Hand Tool

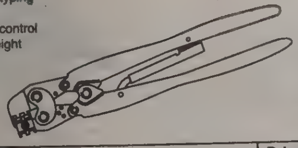


- Field repair / prototyping
- Ratchet control
- Brush / bellmouth control
- Precision crimp height control

MOUSER STOCK NO.	Description	Price Each
571-908721	.093" Pin and Socket cont. 24-18 AWG	162.00
571-908711	.093" Pin and Socket cont. 20-14 AWG	179.25
571-908701	.062" Pin and Socket cont. 30-24 AWG	176.00
571-908691	.062" Pin and Socket cont. 24-18 AWG	158.40
571-585141	Miniature rectangular connectors	178.20
571-905741	Commercial Mate-N-Lok® 24-18 AWG	158.40
571-905751	Commercial Mate-N-Lok® 20-14 AWG	158.40
571-905481	Universal Mate-N-Lok® 24-18 AWG	187.50
571-905461	Universal Mate-N-Lok® 20-14 AWG	187.50
571-584951	"Series 1" CPC size 16 contacts	145.50
571-584482	"Series 2" CPC size 20 contacts	145.50
571-3549401	Pro-Crimper II frame	75.00
571-584231	Die set for solderless terminals	45.00

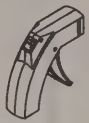
Certi-Crimp Crimping Tool

- Field repair / prototyping
- Ratchet control
- Brush / bellmouth control
- Precision crimp height control



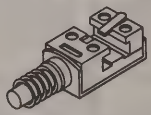
MOUSER STOCK NO.	Description	Price Each
571-903822	"Series 3" CPC type XII 12-16 AWG	618.69
571-903841	"Series 3" CPC type XII 8-10 AWG	618.69

TOOLS FOR MTA SERIES



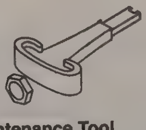
Hand Tool Pistol Grip

MOUSER STOCK NO.	Description	Price Each
571-580741	MTA Series	58.28



Interchangeable Head for Pistol Grip Hand Tool

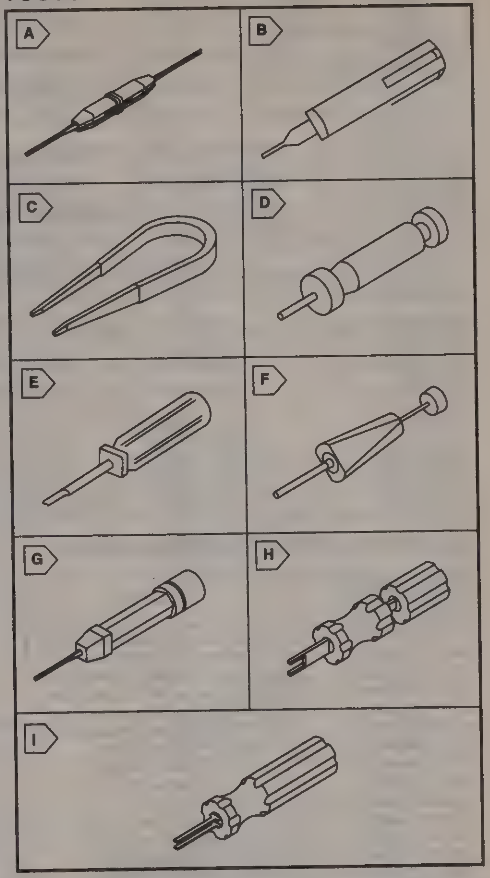
MOUSER STOCK NO.	Description	Price Each
571-58246-1	MTA .100 Series	122.85
571-582471	MTA .156 Series	122.85



"T" Handle Maintenance Tool

MOUSER STOCK NO.	Description	Price Each
571-598031	For MTA .100 series	22.00
571-598041	For MTA .156 series	22.00

CONTACT INSERTION/EXTRACTION TOOLS



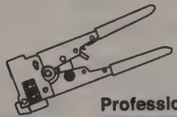
MOUSER STOCK NO.	Fig.	Description	Price Each
571-910672	A	Insertion/extraction, size 20, 22 contacts	5.86
571-3188311	B	Extraction, .062 Pin and Socket	113.85
571-3188511	B	Extraction, Universal Mate-N-Lok®	43.99
571-4558301	C	Insertion, Universal Mate-N-Lok® and MR	17.06
571-4558222	D	Extraction, Miniature Rectangular	22.30
571-4656441	E	Extraction, Commercial Mate-N-Lok®	14.36
571-305183	F	Extraction, size 16 CPC contacts	14.28
571-912851	G	Insertion/extraction, size 20, 22 contacts	15.75
571-910193	H	Extraction, type XII series 3 CPC contacts	182.58
571-911241	I	Extraction, type XII series 4 CPC contacts	40.31

TOOLS FOR MODULAR PLUGS

Professional Hand Tools with Die Sets

- For use with modular plugs
- Cuts, strips, and terminates cable
- All plug sizes, except 10-position, are accommodated using interchangeable die sets

MOUSER STOCK NO.	Description	Price Each
571-22316521	8-position line	117.40
571-22316523	4-position handset	117.40
571-2-231652-6	6-position offset-latch	117.40
571-22316527	6-position long body	117.40
571-22316528	4, 6-position line	117.40



Die Set Only for Professional Hand Tool

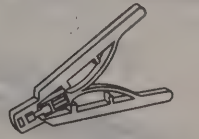
MOUSER STOCK NO.	Description	Price Each
571-8534001	8-position line	39.40
571-8534003	4-position handset	39.40
571-853400-6	6-position offset-latch	39.40
571-8534007	6-position long body	39.40
571-853400-8	4,6-position line	39.40

Professional Hand Tool Kits

MOUSER STOCK NO.	Description	Price Each
571-12316661	4-position handset, 4, 6, and 8-position die sets, set of replacement strip blades and small screwdriver	245.06
571-2316625	(1) set of strip blades	3.83

Economy Hand Tool

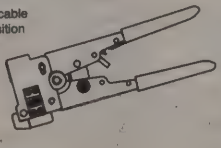
- For use with modular plugs
- Strips and terminates cable
- Light weight



MOUSER STOCK NO.	Description	Price Each
571-2316481	2, 4, and 6-position plugs	30.60

"Category 5" High Performance Crimp Tool

- For use with modular plugs
- Cuts, strips, and terminates cable
- All plug sizes, except 10-position are accommodated using interchangeable die sets



MOUSER STOCK NO.	Description	Price Each
571-32316520	8-position modular crimp tool with die	117.40

MOLEX Tools

TOOL MATRIX

Crimping Tool	Insertion Tool	Extraction Tool	Use With Connector Series
63811-0200 63811-0300		57072-6000	1.25mm Crimp Terminal
63811-1400			1.27mm Micro-D
11-01-0185 63811-3300 63811-1000	11-02-0001	11-03-0002	.062" Pin and Socket
63811-6800		11-01-0168	.084" Pin and Socket
63811-1000 63811-3200	11-02-0003	11-03-0006	.093" Pin and Socket
11-01-0204			2mm Milli-Grid™ Crimp Terminal
11-01-0208 11-01-0209	11-02-0022	11-03-0036	2.54mm SL™
11-01-0206		11-03-0037	Disk Drive
11-01-0185	63812-0000	11-03-0022	KK-100
11-01-0185 63811-2200 11-01-0203		11-03-0016	KK-156
63811-2800		11-03-0043	Micro-Fit 3.0™
6381-5000 11-01-0197 11-01-0198		11-03-0044	Mini-Fit™ Jr.
63811-1500 63811-1600		63813-0400	Mini-Fit™ Sr.
63811-4400		63813-1500	MX150L™
63811-0400		63813-0500	Sabre™ 7.5mm (Female)
63811-0600		63813-0800	Sabre™ 7.5mm (Male)

INSERTION AND EXTRACTION TOOLS

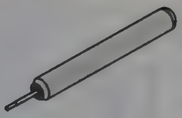
MOUSER STOCK NO.	Fig.	Description	Price Each
538-57072-6000	A	1.25mm Crimp Terminal Extraction Tool	130.50
538-11-02-0001	B	.062" Pin and Socket Insertion Tool	15.31
538-11-03-0002	A	.062" Pin and Socket Extraction Tool	18.17
538-11-01-0168	C	.084" Pin and Socket Extraction Tool	59.35
538-11-02-0003	B	.093" Pin and Socket Insertion Tool	15.31
538-11-03-0006	A	.093" Pin and Socket Extraction Tool	18.17
538-11-02-0022	D	2.54mm SL™ Insertion Tool	16.11
538-11-03-0036	A	2.54mm SL™ Extraction Tool	13.40
538-11-03-0037	A	Disk Drive Extraction Tool	61.60
538-63812-0000	A	KK-100 Insertion Tool	13.40
538-11-03-0022	E	KK-100 Extraction Tool	9.08
538-11-03-0016	F	KK-156 Extraction Tool	13.84
538-11-03-0043	G	Micro-Fit 3.0™ Extraction Tool	18.00
538-11-03-0044	G	Mini-Fit™ Jr. Extraction Tool	17.00
538-63813-0400	H	Mini-Fit™ Sr. Extraction Tool	72.00
538-63813-1500	I	MX150L™ Extraction Tool	18.90
538-63813-0500	F	Sabre™ 7.5mm (Female) Extraction Tool	26.70
538-63813-0800	J	Sabre™ 7.5mm (Male) Extraction Tool	76.53

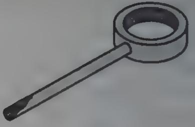
TOOLS FOR PCB AND PIN AND SOCKET CONNECTORS

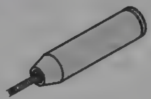
Features:

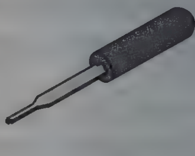
- Improved ergonomic design which improves comfort and grip
- Small handle spread which make this style tool ideally suited for end users
- Ratchet with safety release that ensures consistent performance

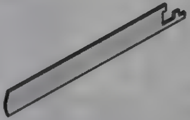
MOUSER STOCK NO.	Fig.	Description	Price Each
538-63811-0200	K	1.25mm Crimp Terminal 32-28 AWG	196.28
538-63811-0300	K	1.25mm Crimp Terminal 28-26 AWG	196.28
538-63811-4800	K	1.27mm Micro-D 28-26 AWG	276.00
538-11-01-0185	K	.062" Pin and Socket 30-22 AWG	180.00
538-63811-3300	L	.062" Pin and Socket 24-18 AWG	214.31
538-63811-1000	M	.062" & .093" Pin and Socket 24-14 AWG	49.00
538-63811-6800	N	.084" Pin and Socket 20-14 AWG	326.18
538-63811-3200	L	.093" Pin and Socket 22-14 AWG	222.26
538-638-11-0800	K	2mm Crimp Terminal	215.00
538-63811-1200	K	2mm Crimp Terminal	196.28
538-11-01-0204	K	2mm Milli-Grid™ Crimp Terminal 30-24 AWG	197.00
538-11-01-0194	K	2.50 Spox Crimp Terminal	196.65
538-11-01-0208	K	2.54mm SL™ 24-22 AWG	197.00
538-11-01-0209	K	2.54mm SL™ 30-24 AWG	197.00
538-11-01-0206	K	Disk Drive 22-14 AWG	197.00
538-11-01-0185	K	KK-100 & KK-156 30-22 AWG	180.00
538-63811-2200	K	KK-156 24-18 AWG	214.65
538-63811-6600	K	KK-156 30-18 AWG	218.00
538-63811-2800	K	Micro-Fit 3.0™ 30-20 AWG	196.28
538-63811-2875	-	Crimp Tool Locator for 538-63811-2800	29.23
538-63811-5000	K	Mini-Fit™ Jr. 24-18 AWG	230.00
538-11-01-0198	K	Mini-Fit™ Jr. 28-22 AWG	197.00
538-63811-1500	O	Mini-Fit™ Sr. 8 AWG	369.00
538-63811-1600	O	Mini-Fit™ Sr. 12-10 AWG	369.00
538-63811-4400	O	MX150L™ 22-14 AWG	378.00
538-63811-0400	N	Sabre™ 7.5mm (Female) 18-14 AWG	326.18
538-63811-0600	N	Sabre™ 7.5mm (Male) 18 AWG	314.52

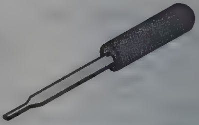
A


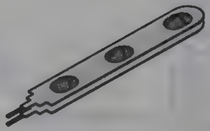
B


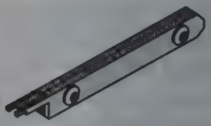
C


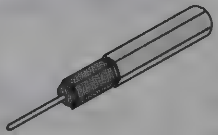
D


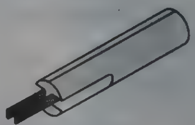
E


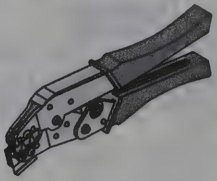
F


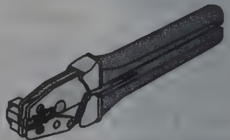
G


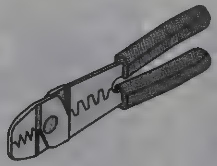
H


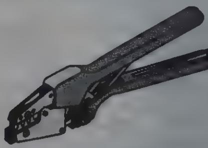
I


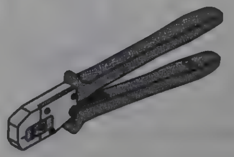
J


K


L


M


N


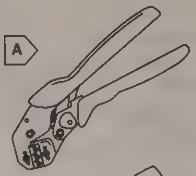
O


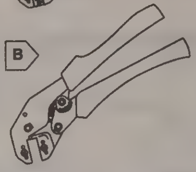
SARGENT QUALITY TOOLS Crimp Tools and Dies

4200 AND 4100 SERIES CRIMP TOOLS

- Molded cushion grips minimize user fatigue
- All working components are heat treated
- Positive ratcheting assembly
- Tool life is conservatively rated at 50,000 cycles

Tool frame only. Die set not included. Optional interchangeable die sets are listed below.


A


B

For quantities of 10 and up, call for quote.

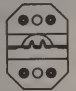
MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
~~624-4200~~	A	Super Ergonomic: 11.5" long for two handed crimping, utilizes 4100 series dies, designed to achieve UL tensile requirements	75.71	69.65
624-4100	B	Super Crimp: meet or exceed all UL tensile requirements, interlocking die sets are easily interchanged	59.23	54.49

INTERCHANGEABLE DIES (4100 AND 4200 SERIES TOOLS)

- For use with 4100 and 4200 series crimp tool
- All die sets interlock to assure alignment
- Mounted to frame or moveable jaw with single screw

D-Sub, Open Barrel Contact Crimp

- Conductor and insulation crimp meet OEM specs and are produced in one tool closure
- Conductor crimps: "B" type
- Insulation crimps: "oval" type produced in two cavities: front 28-24AWG, rear 24-20AWG

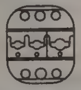


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-4100-27	60.00	55.20

Insulated Terminal Crimp

- Produced in three cavities: Red 22-16AWG, Blue 16-14AWG, and Yellow 12-10AWG

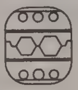


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-4100-40	39.55	36.39

RG59 Ferrule Crimp

- Crimps the RG59 ferrule on CATV connectors to a .324" hex and the RG6 to a .360" hex

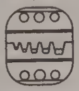


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-4100-72	35.00	32.20

Wire Tip Ferrule Crimp

- Crimps wire tip ferrules with and without plastic insulator collar to metric standards
- Crimps are produced in five cavities: 0,25-0mm², 0,75-1, 5mm², 4,0mm², and 6,0mm² (28-10AWG)

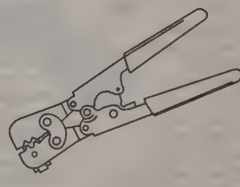


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-4100-83M	60.00	54.00

O.E.M. COMPATIBLE CRIMP TOOLS

- Exacting crimps produced by these tools conform to all commercial specifications
- Conductor and insulation crimps conform to O.E.M. specs and are produced in one tool closure
- Locator and wire stop are provided to orient the pins or sockets (excluding part no. 624-3135CT)

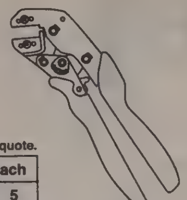


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	O.E.M.	Description	Price Each	
			1	5
624-3127CT	AMP 90312	D-sub Pins & Sockets Crimps: 28-24 AWG & 24-20 AWG	118.41	106.57
624-3131CT	AMP 90277	Multimate Pins & Sockets Crimps: 28-24 AWG, 24-20 AWG & 18-16 AWG	118.41	106.57
624-3132CT	Molex 1031E	.093 Power Pins & Sockets Crimps: 24-20 AWG & 18-14 AWG	118.41	106.57
624-3133CT	Molex 1719C	.062 Power Pins & Sockets Crimps: 24-20 AWG & 18 AWG	118.41	106.57
624-3134CT	Molex 2262	.093 Pin & Socket Crimps: 30-24 AWG	118.41	106.57
624-3135CT	Molex 2262A	.100 Interconnection System Crimps: 30-28 AWG & 26-24 AWG	118.41	106.57
624-3136CT	Molex 2445A	.156 Interconnection System Crimps: 26-22 AWG & 30-24 AWG	118.41	106.57
624-3137CT	Raychem AD1377	Commercial Grade Butt Splices Crimps: 26-20 AWG, 20-16 AWG & 16-12 AWG	118.41	106.57

2100 SERIES SUPER CRIMP TOOL

- Multi purpose frame
- Compact lightweight design
- Tool life conservatively rated at 50,000 cycles



Tool frame only. Die set not included. Optional interchangeable die sets are listed below.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	5
624-2100	Super Crimp Frame; supplied complete with die mounting screws, standard dies available for most popular product applications	56.95	52.40

INTERCHANGEABLE DIES (2100 SERIES TOOLS)

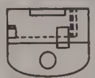
- For use with 2100 series crimp tool
- All die sets interlock to assure perfect alignment
- Mounted to frame or moveable jaw with single screw

Modular Plug Crimp

- RJ45, 8 position keyed or non-keyed plugs
- Crimps conductor and primary strain relief of AMP and Stewart configuration modular plugs in one crimp cycle

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-2100-08	35.00	32.20

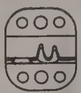


D-Sub, Open Barrel Crimp

- Crimps high density D-subminiature pin and socket open barrel contacts
- Crimps in two cavities: A 26-22 AWG and B 30-28 AWG

For quantities of 10 and up, call for quote.

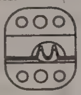
MOUSER STOCK NO.	Price Each	
	1	5
624-2100-24	60.00	55.20



- Crimps D-subminiature open barrel contacts
- Crimps in two cavities: Front 30-26 AWG and rear 24-20 AWG

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-2100-27	60.00	55.20

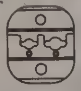


Insulated Terminal Crimp

- Crimps conductor and strain portion of terminals and splices
- Crimps in two cavities: Red 22-18 AWG and Blue 16-14 AWG

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-2100-42	39.38	36.23

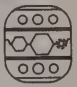


Coax Crimp

- Crimps center pin to a .068 hex, RG58 ferrule to a .213 hex, and RG59 ferrule .255 hex

For quantities of 10 and up, call for quote.

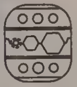
MOUSER STOCK NO.	Price Each	
	1	5
624-2100-51	35.00	32.20



- Crimps the center pin to a .068 hex, the RG174 ferrule to a .178 hex and the 8281 ferrule to a .324 hex

For quantities of 10 and up, call for quote.

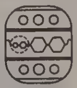
MOUSER STOCK NO.	Price Each	
	1	5
624-2100-52	35.00	32.20



- Crimps the center pin to a .042 or .068 hex, RG58 ferrule to a .190 hex and the RG59 ferrule to a .213 hex on plenum coaxial cable

For quantities of 10 and up, call for quote.

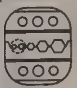
MOUSER STOCK NO.	Price Each	
	1	5
624-2100-54	39.38	36.23



- Crimps the center pin to a .042 square or .068 hex
- The ferrule on a small coaxial cable to a .100 and . 128 hex and the RG174 ferrule to a .178 or .213 hex

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-2100-65	39.38	36.23

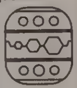


Fiber Optic Crimp

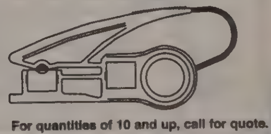
- Crimps outer ferrule on most SMA, SMB or SFB type fiber optic connector to a .151, .178 or .213 hex

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Price Each	
	1	5
624-2100-75	35.00	32.20



8700 SERIES STRIP TOOL

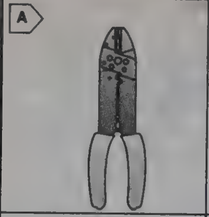


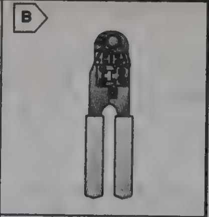
- The stripper body is one piece construction incorporating a molded-in living hinge
- Replacement cartridges can be purchased separately

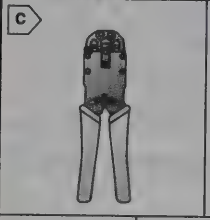
For quantities of 10 and up, call for quote.

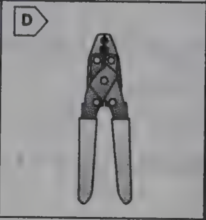
MOUSER STOCK NO.	Description	Price Each	
		1	5
624-8700ES	Stripper Body with RG6/59 cartridge	16.20	14.58
624-8720ES	Stripper Body with RG6/59 and RG11/7 cartridge	21.14	19.45
624-8740ES	Stripper Body with RG6/59 and Twisted Pair cartridge	21.14	19.45
624-8700RB	Replacement Black cartridge strips RG6/59 to industry standard 1/4" x 5/16' prep	5.00	4.55
624-8710RB	Replacement Gray cartridge strips RG11/7 to industry standard 1/4" x 5/16" prep	5.00	4.55
624-8730RB	Replacement Blue cartridge strips CAT 5	5.35	5.06

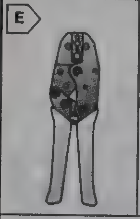
Crimping Tools, Wire Strippers, and Cable Cutters

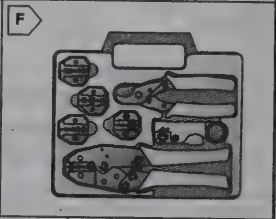

A

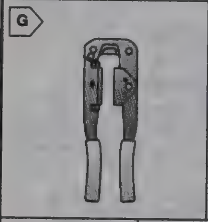

B

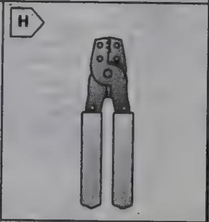

C

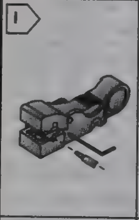

D

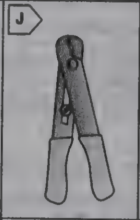

E

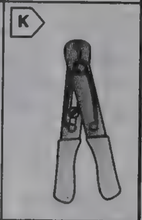

F

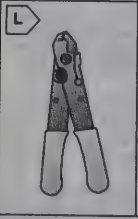

G

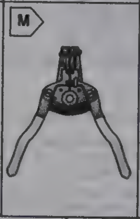

H

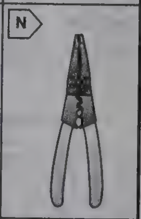

I

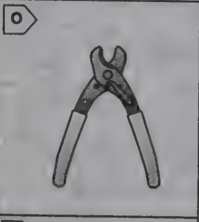

J

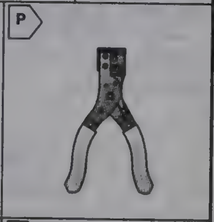

K

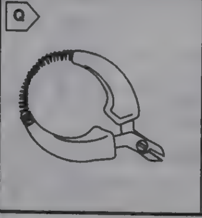

L

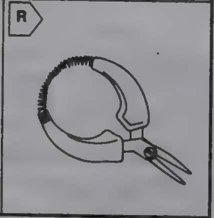

M


N


O


P


Q


R

SOLDERLESS TERMINAL CRIMPING TOOL

- Crimps, cuts and strips
- Crimps both insulated ad non-insulated solderless terminals

MOUSER STOCK NO.	Fig.	Description	Price Each
517-TH-440	A	Standard crimp for 22-10AWG	50.22
517-TH-450	A	Heavy duty crimp for 26-6 AWG	62.83

MODULAR CRIMPING TOOLS

3-Way Modular Crimping Tools

- Deluxe types with Safe Guide and closed lock for storage
- Cuts, strips, and crimps
- Hardened steel frame
- Black oxide finish
- Lightweight and durable

MOUSER STOCK NO.	Fig.	Description	Price Each
382-210C	B	For 8P8C modular plugs	21.48

Replacement Blades

MOUSER STOCK NO.	Fits	Price Each
382-20961	382-2194, 382-2196, 382-2198, 382-2094C, 382-2096C, & 382-210C	3.72

Professional Modular Crimping Tool

8" professional modular crimping tool cuts, strips, and crimps the more popular modular plugs. This tool is designed for crimping 8P8C, 6P6C, 6P4C, 6P2C, 4P4C, and 4P2C modular plugs with stranded flat wire.

MOUSER STOCK NO.	Fig.	Description	Price Each
382-2008	C	For 4, 6, and 8-position plugs	99.95

PARALLEL ACTION "F" CRIMPING TOOLS

382-0242	D	9" deluxe hex type for RG59 and aluminax RG6	8.55

COAX CRIMPING TOOL

- Crimps: RG6, 59, 62, 140, 210, Belden 8279, 55, 58, 141, 142, 223, 303, 400, fiber optic

382-301C	E	Ratchet hex tool for F, FNC, TNC, N, Teflon, Thinnet-PVC, and Fiber Optic connectors	28.95
382-0330	F	Coax tool kit, includes: (1 ea.) 382-301C Heavy Duty Professional Hex Crimp Tool, assortment of dies to work with the following types of coaxial cable: RG6, 8, 8X, 9, 11, 55, 58, 59, 62, 87A, 122, 140, 141, 142, 149, 165, 174, 178, 179, 180, 187, 188, 195, 210, 213, 214, 216, 223, 225, 303, 316, 400, Fiber Optic, Belden types 8218, 8279, and 9913, Coax stripper that works with RG58, 59, 62, 6, and 3C2V cable, Heavy duty 6-1/2" cable cutter that works with .16" to .413" cable	78.96

IDC CRIMPING PLIERS

- Easy to assemble flat cable onto IDC type connectors
- Crimping distance for connectors height from .236" to 1.06"

MOUSER STOCK NO.	Fig.	Description	Price Each
382-0214	G	9-1/2" long, steel frame	18.15

D-SUB CRIMPING TOOLS

382-0213	H	For computer pins and sockets D-sub 20-28 AWG wire	18.48

ROTARY CABLE STRIPPERS

- 3 blade models
- No replacement cassettes needed
- Comes with allen wrench adjustment tool

MOUSER STOCK NO.	Fig.	Description	Price Each
382-312A	I	Preset for stripping RG59/62/6	16.95
382-312B	I	Preset for stripping RG58/59/62	16.95

WIRE STRIPPERS AND CUTTERS

MOUSER STOCK NO.	Fig.	Description	Price Each
5876-100	J	Screw adjustment w/o spring 5"	5.05
5876-101S	K	Screw adjustment with spring 5"	7.50
5876-103S	L	Cam adjustment with spring 5-5/16"	9.69

STANDARD WIRE STRIPPERS

MOUSER STOCK NO.	Fig.	Description	Price Each
524-12-480	M	8-22 AWG Stripper	23.94

XCELITE WIRE STRIPPER & CUTTER

MOUSER STOCK NO.	Fig.	Description	Price Each
578-104CG	N	Stripper, Cutter, crimper and bolt cutter	27.48

CABLE CUTTER

- Hardened carbon steel
- Curved blade cuts wire .016" to .413"

MOUSER STOCK NO.	Fig.	Description	Price Each
382-0206	O	6-1/2" long, black oxide finish	8.37

CABLE TIE TOOL

- Accepts ties up to .07" thick
- Steel

MOUSER STOCK NO.	Fig.	Description	Price Each
382-2081	P	6-1/2" long, black oxide finish	12.40

PALM GRIP SERIES

- Precision, rust proof stainless steel
- Spring loaded with minimal travel
- Applications: PC boards, setting precise and small parts, assembling plastic hobby models, cutting small wires, fishing, and hundreds of other tasks

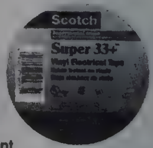
For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Color	Description	Price Each
382-1017	Q	Red	Flush cutter	14.87
382-1018	R	Blue	Flat nose pliers (serrated)	14.87
382-1019	R	Tan	Flat nose pliers	14.87
382-1021	R	Green	Needle nose pliers	14.87
382-1022	R	Orange	Curved nose pliers	14.87

VINYL ELECTRICAL TAPE

Scotch® Super 33+ Tape

Premium 7 mil, flame retardant, weather resistant tape. Resists temperature and moisture for splicing. Meets requirements of UL 510, HHI-595, CAS 22.2



RoHS Compliant

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-33	3/4" x 66'	4.64	4.21

Scotch® Super 88 Tape

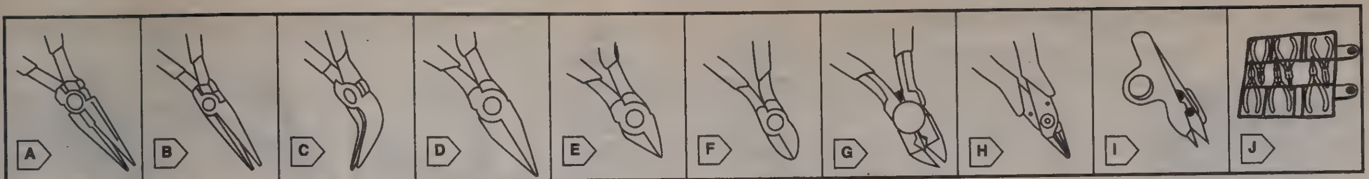
RoHS Compliant

Premium-grade heavy-duty 8.5 mil, flame retardant, cold and weather resistant tape with superior cold weather handling features. Meets UL 510, MIL-1-24391, and CSA 22.2

For quantities of 50 and up, call for quote.

517-88	3/4" x 66'	5.22	4.75

Pliers, Cutters, and Fuse Pullers



COOPER Hand Tools PLIERS

ESD SAFE

- Lightweight, miniature plier line
- Choice of oval, tapered, relieved, and angled head
- Full flush or semi-flush cutting edges
- Needle nose styles include long, short, curved, flat, and round to handle most forming, looping, twisting, insertion, and pickup jobs
- Forged from high quality alloy steel for maximum strength and durability
- Precision ground to close tolerances, individually finished and tested to ensure exact fit of jaws
- Polished heads with gun metal handles
- Made in the U. S. A.

Xcelite Electronic Pliers

For quantities of 6 and up, call for quote.

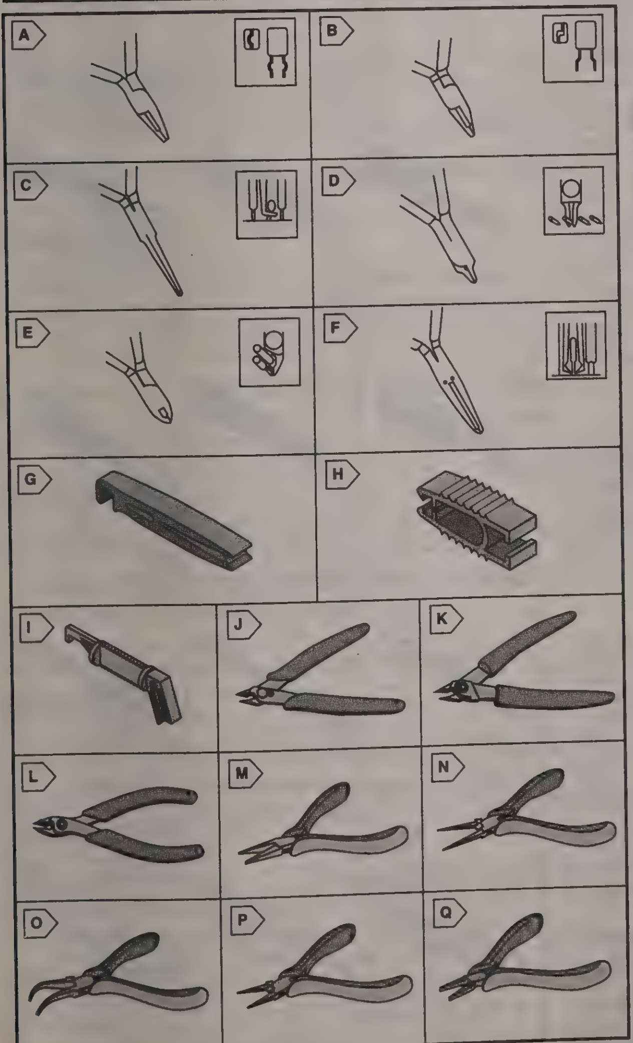
MOUSER STOCK NO.	Fig.	Size (in.)	Description	Price Each
Mfr. — Mfr. Part No.				
578—SN54	A	5	Long nose with side cutter, finely scored jaws	17.65
578—SN55	A	5 1/2	Long nose with side cutter, finely scored jaws	17.64
578—L4	B	4	Long nose subminiature, very fine point	14.32
578—LN54	B	5	Long nose finely scored jaws	15.71
578—LN55	B	5 1/2	Long nose finely scored jaws	16.15
578—CN54G	C	5	Long curved nose (approx 60°), smooth jaws	17.65
578—NN54	B	5	Needle nose finely scored jaws	18.49
578—NN54G	B	5	Needle nose smooth jaws, slightly rounded edges	18.62
578—RN54	B	4 1/2	Round nose smooth jaws, for forming loops in wire	16.87
578—NN7776	B	6	Extra long needle nose	17.62
578—DN54G	D	5	Flat nose smooth jaws	14.36
578—LN54G	B	5	Thin long nose smooth jaws	15.83

Xcelite Diagonal Cutting Pliers and Electronic Shears

† Not ESD Safe

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (in.)	Description	Price Each
Mfr. — Mfr. Part No.				
578—MS545J	E	4	Tapered head, flush cut	15.28
578—MS54J	F	4	Oval head, flush cut	16.18
578—MS54	F	4	Oval head, semi-flush cut	14.36
578—S54S	F	4 1/2	Diagonal cutting gen. purpose, 7/16" cutting blade	16.27
578—S55	F	5	Diagonal cutting gen. purpose, 5/8" cutting blade	14.94
578—MS543J	E	4	Relieved tapered head, flush cut	16.34
578—GA54	G	4	Angled diagonal end cutter at 29°	25.68
578—MS549J	E	4	Tapered head, diagonal cut	15.83
578—S475JS	E	5	Tapered head flush cut	15.50
578—54CG	F	4	Diagonal pliers standard beveled edges, red grips	18.07
†578—170M	H	5	Shearcutter blue grips	6.83
†578—1570B	I	- - -	Versatile, 4-3/4" light-weight cutter with stainless steel replaceable blades. Heavy duty contoured frame	8.13
578—C1	J	- - -	Includes MS54, SN54, LN54, NN54, plus 4" traverse end cutter, 4" flat nose pliers & leather pouch w/ brass snaps	109.47



eagle plastic devices PC BOARD "DREAM" TOOLS

Small, lightweight pliers. Designed primarily for holding, bending, and cutting fine wires in electronic, radio, TV, and electrical work.

- Take a look at what these pliers can do

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size (in.)	Description	Price Each
Mfr. — Mfr. Part No.				
383—1001	A	4 1/2	Lead Forming: forms strain reliefs in component leads and indents in leads to hold components during wave soldering	28.67
383—1002	B	4 1/2	Lead Bending: for adjusting lead spacing on small components	28.67
383—1003	C	5 1/2	Bent Nose: manipulates & dresses components in tight spaces	27.99
383—1004	D	5	Nippers: very narrow cutting head for cutting in close spaces	26.39
383—1005	E	5	Tip Cutters: for those crowded, inconvenient areas	26.39
383—1006	F	5 1/4	End Cutting Nippers: "top down" cutting for high density areas	35.52

eagle plastic devices FUSE PULLERS

MOUSER STOCK NO.	Fig.	Description	Price Each			
Mfr. — Mfr. Part No.			1	5	10	20
441—EPD213	G	Dual Fuse Puller	.48	.39	.35	.31
441—EPD223	H	Dual Fuse Puller	.59	.49	.46	.43
441—EPD224	I	Dual Fuse Puller	.54	.44	.41	.37

PLATO PLATOSHEAR LEAD CUTTERS

- Effortless shearing action, comfort, light weight, and safety for electronics lead cutting
- Platoshear requires 50% less operator effort and has a longer cutting life than conventional cutters because it shears rather than bites
- Cushioned handles provide daylong comfort
- Thin profile designed for those hard-to- get-at areas in electronic assembly where conventional cutters can't reach
- Made in the U.S.A

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
Mfr. — Mfr. Part No.			
577—170	J	General purpose Lead Cutter	4.91
577—170SD	K	Static Dissipative Lead cutter	9.47
577—175SD	K	Static Dissipative Lead cutter With Safety Guard	11.69
577—170LX	J	Ergonomic, ESD safe shear cutter	7.38
577—175LX	K	Ergonomic, ESD safe shear cutter with safety guard	9.95
577—175	J	Lead Cutter With Safety Guard	7.40
577—1755	L	Wire/Cable Cutter	14.48

Wiha ESD SAFE PLIERS

- Cutting edges are induction hardened at a hardness of Approx. 64°HRC.
- Two component non-slip soft grip handle
- ESD Safe Dissipative

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Length	Price Each	
Mfr. — Mfr. Part No.				1	5
596—32742	M	Pliers, Short Snipe Nose Straight, Serrated Jaws	20mm	38.92	28.21
596—32746	N	Pliers, Long Needle Nose, Straight, Serr. Jaws	45mm	44.32	32.14
596—32748	O	Pliers, Needle Nose, Bent 90°, Smooth Jaws	45mm	44.32	32.14
596—32750	P	Pliers, Short Round Nose, Smooth Jaws	120mm	38.92	28.21
596—32752	Q	Pliers, Short Flat Nose, Smooth Jaws	120mm	38.92	28.21

ESD Safe Cutters and Tweezers

Erem "N" SERIES DIAGONAL CUTTERS

- Swiss made
- High grade tool steel
- ESD safe
- Low fatigue operation
- Guaranteed for over 1 million openings

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Size	Cut	Price Each
Mfr. Mfr. Part No.				
578—512N	A	4 1/2"	Small oval head, Semi-Flush	47.46
578—522N	A	4 1/2"	Medium oval head, Full-Flush	49.57
578—612N	A	4 1/4"	Small oval head, Semi-Flush	44.88
578—622N	A	4 1/4"	Small oval head, Full-Flush	48.87
578—622NA	A	4 1/4"	Tapered head, Full-Flush	55.14
578—622NB	A	4 1/4"	Tapered relieved head, Full-Flush	48.20
578—632N	A	4 1/4"	Small head, Super Full-Flush	52.17

Wiha ESD SAFE CUTTERS

- Cutting edges are induction hardened at a hardness of Approx. 64°HRC.
- Two component non-slip soft grip handle

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Length	Price Each	
Mfr. Mfr. Part No.				1	5
596—32703	B	Side cutters, Small Tapered Head, Form 1-Semi Flush	115mm	43.24	30.56
596—32705	B	Side cutters, Small Tapered Head, Form 2 Flush	115mm	42.82	30.27
596—32702	B	Side Cutters Small Tapered Head with Hollow Ground Back, Form 3- Semi Flush	115mm	44.32	32.14
596—32704	B	Side cutters, Small Tapered Head w/Hollow Ground Back, Form 4-Flush	115mm	44.32	32.14
596—32710	B	Side Cutters, Wide Tapered Head, Form 3-Full Flush	115mm	47.56	34.48
596—32712	C	Side cutters, Slim Oval Head, Form 1-Flush	115mm	43.24	31.34
596—32714	C	Side cutters, Slim Oval Head, Form 2-Full Flush	115mm	48.12	34.89
596—32718	C	Side cutters, Wide Oval Head Carbide Cutting Edges, Form 2-Bevel	110mm	98.90	71.71
596—32720	C	Side cutters, Wide Oval Head, Form 3-Flush	115mm	42.70	30.97
596—32728	D	Oblique Front Cutters, Very Small Head, 40°, Form 4-Flush	110mm	47.56	34.48
596—32732	E	End Cutters, Extra Slim, Form 1-Flush	110mm	48.66	35.27
596—32734	F	End Cutters, Wide Head, Form 2-Flush	115mm	48.66	35.29

Wiha ESD SAFE TWEEZERS

- ESD Safe
- Anti Static Conductive
- Hypo Allergenic Coated
- Textured Gripping Surface
- Anti Magnetic
- Acid Resistant
- Made from Vommaloy

For quantities of 6 and up, call for quote.

596—44501	G	Universal Fine Point	130mm	14.68	10.64
596—44503	H	Long Narrow Body Low Force	135mm	18.72	13.58
596—44505	I	Flat Round Tip Smooth Sides ESD safe	120mm	18.42	13.36
596—44506	G	Fine Round Points for Assembly	120mm	18.72	13.58
596—44508	J	Very Fine Points/Tapered to Tip ESD Safe	110mm	19.30	13.99
596—44509	J	Extra Fine Points/ Tapered To Tip ESD Safe	110mm	19.30	13.99
596—49379	J	Extra Fine Points/ Tapered To Tip	110mm	23.08	16.73
596—44510	K	Curved Extra Fine Rounded Tips	120mm	24.18	17.53
596—44518	L	Narrow Rounded Tip Serrated, Guide Pin	150mm	19.42	14.08
596—44523	G	Long Rounded to 1.0mm Wide Serrated	125mm	17.98	13.04
596—44525	M	Curved Extra Fine, 3mm Long Straight Tip	120mm	28.94	20.18
596—44529	N	MicroTip Bent 30° 1mm Wide	120mm	25.62	18.58
596—44531	G	General Purpose Fine Point	120mm	19.30	13.99
596—44532	G	Heavy Duty Strong Tapered to Strong Point	120mm	24.52	17.78

Wiha INTERCHANGEABLE TWEEZERS WITH HEAT PROTECTED PLASTIC HANDLE

- Stainless steel, anti-magnetic and acid resistant.
- Brushed Finished tweezers made from Vommaloy.

For quantities of 6 and up, call for quote.

596—40110	O	#10 Plastic Molded Handle with Closure Lock	100mm	5.48	3.97
596—40022	P	Long Round Tip with Fine Serrations	145mm	14.18	10.28
596—40024	Q	Blunt Round Tip Fine Serrations	145mm	13.98	10.14
596—40025	Q	Blunt Flat Tips with Fine Serrations	145mm	15.54	11.27
596—40026	R	Blunt Round Tip Bent 30°, Fine Serrations	145mm	16.32	11.84

Erem TWEEZERS

- Material: "non-magnetic", anti-acid alloy
- Temperature resistance: 300°C

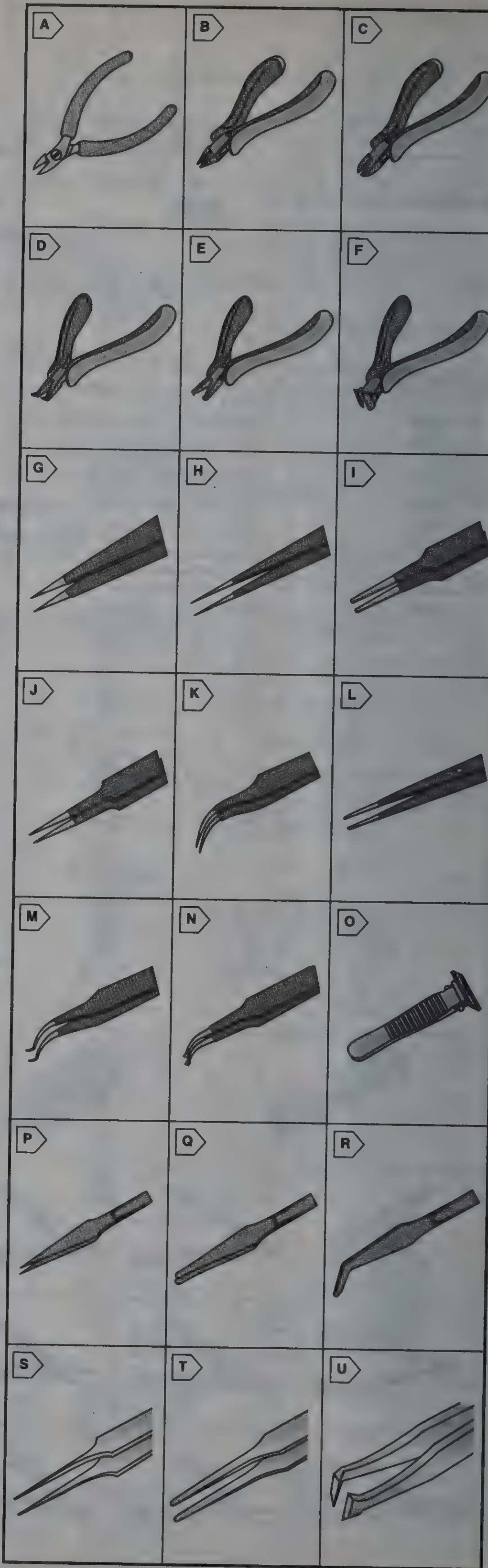
For quantities of 24 and up, call for quote.

578—2SA	S	4.5" medium point	-	17.18	16.33
578—EROP2ASA	T	4.5" round point	-	3.53	3.34
578—3SA	G	4.75" popular fine point for microelectronics	-	20.76	19.72
578—EROP3SA	G	4.5" popular fine point for microelectronics	-	3.35	3.17
578—EROP3CSA	G	4.25" popular fine point for microelectronics	-	3.53	3.34
578—5SA	G	4.5" superfine point, special shaping	-	24.62	23.41
578—EROP5SA	G	4.5" superfine point, special shaping	-	3.35	3.17
578—7SA	K	4.75" curved point easy access-confined areas	-	22.48	21.37
578—EROP7SA	K	4.75" curved point easy access-confined areas	-	3.35	3.17
578—AASA	G	5.0" straight point, hardened tips	-	8.77	8.33
578—EROPAASA	G	4.75" strong but fine point	-	3.35	3.17
578—OOSA	G	4.75" flat inside edges, general purpose	-	14.58	13.84
578—EROPOOSA	G	4.75" flat inside edges, general purpose	-	3.35	3.17

Erem CUTTING TWEEZERS

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Length	Price Each	
Mfr. Mfr. Part No.				1	5
578—15AGW	U	4.5" oblique head, long life, soft wire cutting	-	28.24	26.85
578—15AGS	U	4.25" oblique fine head, long life, soft wire cutting	-	25.56	23.00



WIHA Screwdriver Sets

WIHA ESD SAFE PRECISION CHIP LIFTER

- Conductive Anti-static and impact resistant Handle
- Chrome-vanadium-molybdenum steel blade

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Length	Price Each	
Mfr.	Mfr. Part No.				1	5
596—27920		A	3.5 x 50mm	95 mm	6.86	4.96

WIHA MAGNETIZER / DEMAGNETIZER HANDLE & BLADE SET

- Slotted: 3.0, 4.0, 6.0mm
- Phillips: 0, 1, 2
- Comes in Durable Pouch
- Interchangeable Blades
- Handles and blades also sold separately

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
596—48190		B	Set with Mag/Demag Handle & Blades	38.28	27.75
596—40010		C	Magnetizer/Demagnetizer box	7.96	5.77

WIHA ESD SAFE SYSTEM 4 SLOTTED/PHILLIPS/HEX IN./TORX PRECISION INTERCHANGEABLE BIT SET, 27 PCS.

- Slotted: 1.5, 2.0, 3.0, 4.0mm
- Phillips: 000, 00, 0, 1
- Torx: T3, T4, T5, T6, T7, T8, T9, T10, T15
- Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32"
- Comes in compact fold out box

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
596—75992		D	Set with ESD Safe Precision Handle	49.98	36.23

WIHA SECURITY BIT SET COLLECTOR

36 hard-to-find security bit sizes that comes in a molded box for storage.
Set includes: Handle, 1/4" magnetic bit holder, 1/4" bit holding socket adapter, and the following 1/4" bits:

- Tamper Resistant Torx: TR8, TR10, TR15, TR20, TR25, TR27, TR30, TR40
- Tamper Resistant Hex: 5/64, 3/32, 7/6, 1/8, 9/64, 5/32
- Triwing: 1, 2, 3, 4
- Torq Set: 6, 8, 10
- Spanner: 4,6,8,10
- Slotted: 6.5, 8.0mm
- Phillips: 1, 2
- Pozidriv: 0, 1, 2, 3
- Square: 1, 2, 3

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
596—71990		E	39 piece security bit collector set	69.98	50.73

WIHA 24 PIECE TORQUE VARIO-S MICRO-BIT SET

Packed in a compact durable steel storage box.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
596—28590		F	Slotted: 1.5, 2.0, 3.0, 4.0mm/ Phillips: #00, #0, #1/ Torx: T6, T7, T8, T9, T10, T15/ Hex Inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32/ 28504 Handle Range 7.5-20 Inch lbs.	159.98	152.30

WIHA 2 PIECE ORBIT PIVOTING PHILLIPS DRIVER SET

- Includes #1 & #2 Phillips drivers
- Reduces cam out damage, screws and tools last longer
- Works on all standard Phillips Screws
- Now reach and turn Phillips screws at up to 20° angle with full 360° rotation

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
596—31199		G	2 Pcs. Phillips Orbit Pivot Drivers	22.50	19.67

WIHA SYSTEM 4 ESD SAFE INTERCHANGEABLE PRECISION SCREWDRIVER SETS

- In Compact Fold-out box

Slotted, Phillips Precision Interchangeable Screwdriver Set, 5 Pcs.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
596—26996		H	Slotted: 1.5, 2.0, 3.0, 3.5mm / Phillips: 000, 00, 0, 1	35.52	25.76

Slotted, Phillips & Torx Precision Interchangeable Screwdriver Set, 9 Pcs.

For quantities of 6 and up, call for quote.

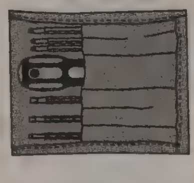
MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
596—26997		H	Slotted: 1.5, 2.0, 2.5, 3.0, 3.5, 4.0mm Phillips: 000, 00, 0, 1 / Torx: T6, T7, T8, T10, T15	58.38	42.33

Torx Precision Interchangeable Screwdriver Set, 8 Pcs.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
596—26987		H	Torx Std. Blades: T3, T4, T5 Torx Reversible Blades: T6, T7, T8, T9, T10, T15, T20	42.98	31.16

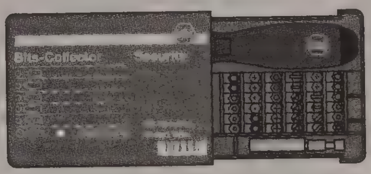
A

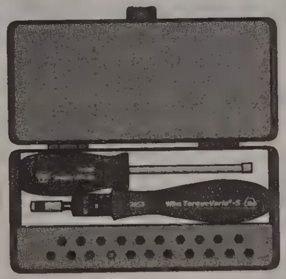
B


C

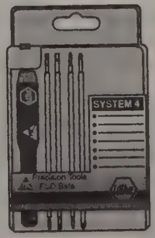
D

SYSTEM 4
Micro Bits
Quality Tools For

E


F


G

H


WIHA Screwdriver and Hex L-Key Sets

ESD SAFE INTERCHANGEABLE PRECISION SCREWDRIVER SETS

- In Durable Pouch
- ESD Safe Dynamic Handle

System 6 Slotted & Phillips Interchangeable Screwdriver Set, 8 Pcs.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
596-10191	A	Slotted: 3.0, 4.0, 6.0, 8.0mm; Phillips: 0, 1, 2	32.98	23.91

System 6/4 Torx Interchangeable Screwdriver Set, 9 Pcs.

For quantities of 6 and up, call for quote.

596-10791	A	System 4: T5, T6, T7, T8, T9, T10, T15; System 6: T20, T25, T30	43.98	31.89

ESD SAFE CONDUCTIVE SCREWDRIVER SETS

- Molded precision handle of impact resistive conductive material
- Tapered handle allows rapid rotation
- Rotating cap for precise turning and control with fingertip
- Meets the requirements for tools used in electrostatic sensitive areas.

For quantities of 6 and up, call for quote.

Slotted & Phillips Precision ESD Safe Conductive Handle 7 Pcs.				
596-27390	B	Includes: Slotted # 27215: 1.5x40mm, 27220: 2.0x40mm, 27225: 2.5x50mm, 27235: 3.5x60mm / Phillips #27305: 00x40mm, 27310: 0x50mm, 27320: 1x60mm	31.98	23.19
Torx Precision Safe ESD Safe Conductive Handle 7 Pcs.				
596-27890	B	Includes: Slotted # 27215: T4x40mm, 27220: T5x40mm, 27225: T6x40mm, 27235: T7x40mm / Phillips #27305: T8x40mm, 27310: T9x50mm, 27320: T10x50mm	39.98	28.99

PRECISION SERIES TOOL SETS

Blade is high alloy chrome-vanadium-molybdenum steel.

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
Slotted Precision Screwdriver Set-6 Pcs.				
596-26090	C	Slotted: 1.5x40mm, 2.0x40mm, 2.5x50mm, 3.0x50mm, 3.5x60mm, 4.0x60mm	21.60	20.52
Slotted & Phillips Precision Screwdriver Set-7 Pcs.				
596-26092	C	Slotted # 26025: 2.5x50mm, 26027: 2.5x100mm, 26033: 3.0x100, 26034: 3.0x150mm, 26041: 4.0x100mm, 26042: 4.0x150 / Phillips # 26108: 0x75mm	33.00	23.93
Slotted & Phillips Precision Screwdriver Set-7 Pcs.				
596-26190	C	Slotted: 1.5x40mm, 2.0x50mm, 2.5x50mm, 3.0x60mm Phillips: 00x40, 0x50mm, 1x60mm	24.48	23.25
Hex Driver Metric Set-7 Pcs.				
596-26390	D	26307: 0.7X40mm, 26309: 0.9x40mm, 26313: 1.5x50mm 26320: 2.0x50mm, 26325: 2.5x60mm, 26330: 3.0x60mm	29.70	21.53
Hex Driver Inch Set-8 Pcs.				
596-26391	D	26307: .028X1.6mm, 26309: .035X1.6mm, 26313: .050X1.6mm, .050X1.6mm, 26316: 1/16X2.0mm, 26320: 5/64X2.0mm, 26323: 3/32X2.4mm, 26327: 7/64x2.4mm, 26331: 1/8x2.4mm	33.20	24.07
Hex Driver Inch Set-8 Pcs.				
596-26490	D	1/2x1.6in, 1/16x2.0in, 5/64x2.0in, 3/32x2.0in, 7/64x2.4in, 1/8x2.4in, 9/64x2.4in, 5/32x2.4in	30.98	27.11
Nut Driver Metric Set-8 Pcs.				
596-26590	E	26525: 2.5X60mm, 26530: 3.0X60mm, 26535: 3.5x60mm, 26540: 4.0x60mm, 26545: 4.5x60mm, 26550: 5.0x60mm, 26555: 5.5x60mm, 26560: 6.0x60mm	47.30	34.29
Nut Driver Inch Set-8 Pcs.				
596-26591	E	26523: 3/32X2.4mm, 26527: 7/64X2.4mm, 26531: 1/8x2.4mm, 26536: 9/64x2.4mm, 26539: 5/32x2.4mm, 26547: 3/16x2.4mm, 26556: 7/32x2.4mm, 26563: 1/4x2.4mm	46.90	34.00

MAGIC RING BALL END HEX KEYS

Blade CVM steel, hardened, chrome-plated.

9 Pc. Magic Ring Long Metric Ball End Hex L-Key Set in ProStar Holder

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
596-66990	F	(mm) 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0	29.96	26.22

13 Pc. Magic Ring Long Inch Ball End Hex L-Key Set in ProStar Holder

596-66991	F	(Inch) 1/2, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	37.48	32.80

NUT DRIVER METRIC PRECISION DRIVERS

Blade high alloy CVM Steel.

596-96540	G	Size: 4.0mm	5.52	5.25
596-96560	G	Size: 6.0mm	5.72	5.44

INSULATED T-HANDLES

- Blade CVM steel, hardened
- Insulation molded directly onto blade

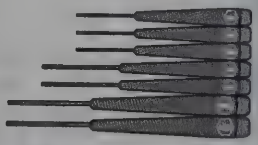
MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
Individual T-handles				
596-33481	H	Hex Size 5/32", Full length including handle 6.9"	7.48	6.51
596-33482	H	Hex Size 3/16", Full length including handle 6.9"	7.98	6.94
596-33483	H	Hex Size 7/32", Full length including handle 6.9"	8.98	7.81
596-33485	H	Hex Size 1/4", Full length including handle 7.1"	8.98	7.81
596-33486	H	Hex Size 5/16", Full length including handle 7.1"	10.98	9.55
596-33487	H	Hex Size 3/8", Full length including handle 7.1"	12.98	11.29
Set 6 Pcs. Inch T-handle				
596-33490	H	5/32", 3/16", 7/32", 1/4", 5/16", 3/8"	56.98	49.57

A

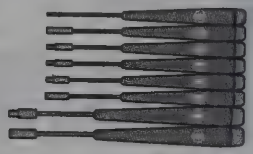
B

C

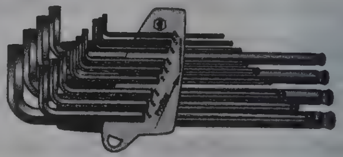
D



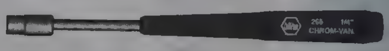
E



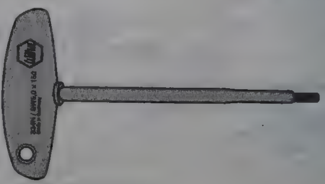
F



G



H



XCELITE® Nutdriver and Screwdriver Sets

COOPER Hand Tools Xcelite® NUTDRIVER SETS

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Contains	Price Each	
Mfr.	Mfr. Part No.			1	3
578	PS120	A	10 nutdrivers 3/32"-3/8"	34.67	33.50
578	PS-121MM	A	10 nutdrivers 3mm-10mm	43.32	41.31
578	HS6-18	A	10 hollow shaft nutdrivers 3/16"-9/16"	57.59	55.65

COOPER Hand Tools Xcelite® SERIES 99® NUTDRIVER HANDLE AND BLADES

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	12
578	991	B	Handle for Series 99® blades, amber	4.17	4.03
578	996	B	3/16" nutdriver blade	3.99	3.86
578	997	B	7/32" nutdriver blade	3.99	3.86
578	998	B	1/4" nutdriver blade	3.99	3.64
578	999	B	9/32" nutdriver blade	3.99	3.86
578	9910	B	5/16" nutdriver blade	3.84	3.70
578	9911	B	11/32" nutdriver blade	4.16	4.02
578	9912	B	3/8" nutdriver blade	4.16	4.02
578	9914	B	7/16" nutdriver blade	5.33	5.14
578	9916	B	1/2" nutdriver blade	5.33	5.14

COOPER Hand Tools Xcelite® SERIES 99® NUTDRIVER AND SCREWDRIVER SET

- Designed for use with cordless rechargeable screwdrivers
- Convenient vinyl carrying pouch
- Contains 12 most popular nutdriver and screwdriver sizes together with a power adapter

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Contains	Price Each	
Mfr.	Mfr. Part No.			1	6
578	99PA50	C	3/16", 7/32", 1/4", 9/32", 5/16", 11/32", and 3/8" stubby nutdrivers; 3/16" and 1/4" stubby slotted screwdrivers, #1 and #2 stubby Phillips screwdrivers; cordless screwdriver adapter	22.23	21.47

COOPER Hand Tools Xcelite® PERSONAL COMPUTER REPAIR KIT

- Ideal for repairs on PC's
- Contains 13 anti-static chip tools, protects chips from ESD damage
- Tools fit securely in a convenient roll-up pouch

For quantities of 12 and up, call for quote.

578—99SPC	D	#0 Phillips screwdriver blade; #1 Phillips blade; 3/16" slotted screwdriver blade; two Torx® screwdriver blades; 3/16" & 1/4" hex nutdriv.shanks; regular handle; 3-prong chip retriever/extractor-antistatic; chip tweezer; chip inserter; chip extractor-antistatic	43.74	42.26

COOPER Hand Tools Xcelite® CORDLESS SCREWDRIVER KIT

- Motor: 3.6VDC
- Overall length: 10.8"
- XP1BC charger for a quick 1 hour charge
- UL and cUL approved charger
- Includes 3 bits: 2 Phillips® and 1 slotted

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	6
578	XP1	E	Kit contains: driver/battery/charger/3 bits/1 adapter.	117.44	113.52
578	XP1B	- -	Replacement 3.6V nickel-cadmium battery	26.97	26.06

COOPER Hand Tools Xcelite® PRECISION ELECTRONIC SCREWDRIVER SETS

- Chrome-molybdenum vanadium steel blades
- Precision tolerance black tips
- No-roll handle design

XP1550: 1.5" x 50mm slotted	XPPH00: #00 phillips
XP2065: 2.0" x 65mm slotted	XPPH0: #0 phillips
XP2575: 2.5" x 75mm slotted	XPPH1: #1 phillips
XP30100: 3.0" x 100mm slotted	

578—XP700	F	7 pc. set: XP1550, XP2065, XP2575, XP30100,XPPH00, XPPH0, XPPH1	27.55	26.61

COOPER Hand Tools Xcelite® SCREWDRIVERS

Pocket Clip Style-Round Blade

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Type	Blade Dia. (in.)	Length Dimensions (in.)			Price Each
Mfr.	Mfr. Part No.				Handle	Blade	Total	
578	R3322	G	Slotted	3/32	2 1/4	2	4 1/4	2.14
578	R181	G	Slotted	1/8	2 1/4	2	4 1/4	2.07
578	R183	G	Slotted	1/8	2 1/4	3	5 1/4	2.56
578	P12S	G	Phillips	0	2 1/4	2	4 1/4	2.80

Regular-Round Blade

For quantities of 12 and up, call for quote.

578	R184	G	Slotted	1/8	4	6	5/8	3.32
578	R186	G	Slotted	1/8	6	8	5/8	3.48
578	R3163	G	Slotted	3/16	3	6	5/8	4.14
578	R3164	G	Slotted	3/16	4	7	5/8	4.78

Regular-Phillips Type

For quantities of 12 and up, call for quote.

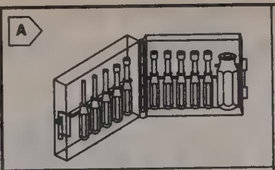
MOUSER STOCK NO.		Fig.	Point Size	Blade Dia. (in.)	Length Dimensions (in.)			Price Each
Mfr.	Mfr. Part No.				Handle	Blade	Total	
578	X100	G	0	1/8	2 5/8	2	4 5/8	3.09
578	X101	G	1	3/16	2 5/8	3	6 5/8	4.13
578	X108	G	1	3/16	3 5/8	6	9 5/8	5.42
578	X102	G	2	1/4	4 1/8	4	8 1/8	5.53

COOPER Hand Tools Xcelite® SCREWDRIVER SETS

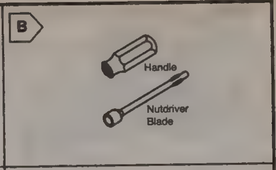
For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Contains	Price Each	
Mfr.	Mfr. Part No.			1	3
578	SDX-22	H	5 phillips screwdriver 1/8", 3/16", 1/4", 5/16" stubby	25.26	24.41
578	SDR-11	H	5 slotted screwdriver 1/8", 5/32", 3/16", 1/4", 5/16"	23.21	22.42
578	PS88	I	5 slotted, 3 phillips, and torque handle	27.46	26.52

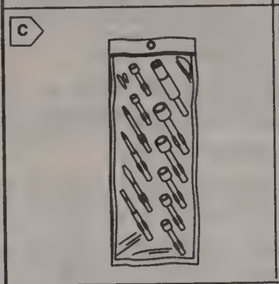
A



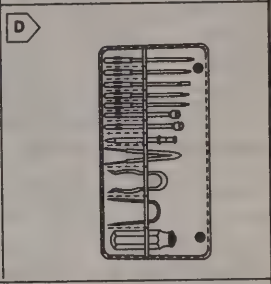
B



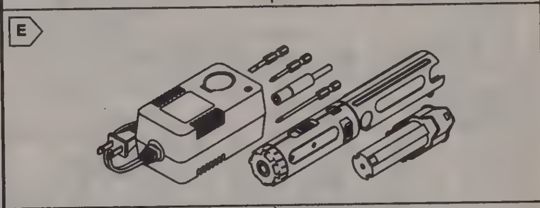
C



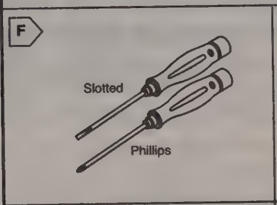
D



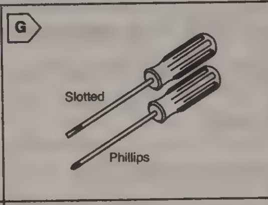
E



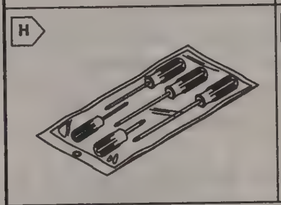
F



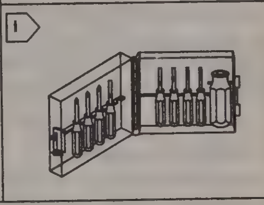
G



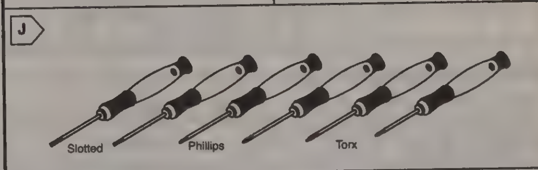
H



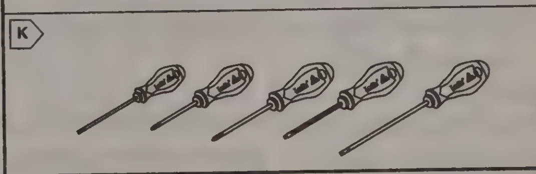
I



J



K



COOPER Hand Tools Xcelite® ELECTRONIC PRECISION SCREWDRIVER SETS

- ESD safe
- Chrome-molybdenum vanadium steel blades
- Swivel caps
- 6 piece set in plastic case

For quantities of 3 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
578	XP600	J	Slotted/Phillips w/ black oxide tips	22.86
578	XPTX600	J	Torx w/ black oxide tips	26.88

COOPER Hand Tools Xcelite® PRO-SERIES ERGONOMIC SCREWDRIVER SETS

- ESD safe
- Chrome-molybdenum vanadium steel blades
- In hanging box
- Rubber dual material handles

For quantities of 3 and up, call for quote.

578—XPE500	K	5 pc. Slotted/Phillips w/black oxide tips	25.24
578—XPE700	K	7 pc. Slotted/Phillips w/black oxide tips	35.75

OK INDUSTRIES Insertion, Extraction, & Alignment Tools

OK Industries
Division of Jonard Industries Corp.

INSERTION/EXTRACTION TOOLS AND KIT

All tools that engage conductive surfaces are CMOS safe and include grounding lugs where appropriate. WK-7 Kit includes DIP IC extractors and inserters to accommodate all IC's from 8 to 40 pins.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Description	Price Each	
				1	5
801-MOS1416	MOS-1416	A	Insertion Tool 14-16 Pins (.3" Pitch)	24.87	23.63
801-MOS2428	MOS-2428	B	Insertion Tool 24-28 Pins (.6" Pitch)	24.86	23.62
801-MOS40	MOS-40	C	Insertion Tool 36-40 Pins (.6" Pitch)	24.86	23.62
801-EX2	EX-2	D	Extraction Tool 24-40 Pins	24.86	23.62
801-EX1	EX-1	E	Extraction Tool 8-24 Pins	3.75	3.56
801-WK7	WK-7	A-E	Kit (Includes above tools)	84.79	80.55
801-EX-5	EX-5	F	ESD safe PLCC extraction tool	20.16	19.38
801-EX-6	EX-6	F	Low cost PLCC extraction tool	10.16	9.76

IMPACTPLUS™ PUNCH DOWN TOOLS

The revolutionary ImpactPlus family of impact tools has been developed to satisfy ergonomic requirements and boost operator efficiency. With worker safety in mind, we consulted a certified ergonomist and added features including:

Features:

- Ergonomic design minimizes repetitive stress and impact recoil
- Single-sided Blades reduce cost, Maximize Wear Resistance
- Convenient Blade Storage in handle (holds 3 blades)
- Blade retention nut and impact settings switch are easy to operate using finger tips

EP-66: 66 block blade	EP-110: 110 block blade
EP-66C: 66 block blade with cutter	EP-110C: 110 block with cutter
Epxi: Manual Punch Down Tool - Adjustable Impact	

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Kit Includes:	Price Each	
				1	5
801-KIT66	Epxi-KIT66	G	Epxi, EP-66, and EP-66C	56.20	53.39
801-KIT110	Epxi-KIT110	G	Epxi, EP-110, and EP-110C	56.20	53.39
801-KIT66110	Epxi-KIT66110	G	Epxi, EP-66, EP-66C, EP-110, EP-110C	107.10	101.75

CONNECTOR INSERTION AND EXTRACTION TOOL KIT

These tools service virtually all connectors conforming to Mil-C-26482, Mil-C-26500 with front release contacts made by such manufacturers as AMP, Amphenol, Cinch, and Elco. These tools contain strong, durable stainless steel probes and color coded handles.

Features:

- Both kits packaged in an attractive and durable leather padded zipper case.

Connector Insertion Kit

Includes the three most popular color coded sized insertion tools for contact sizes 12(yellow), 16 (blue), and 20 (red). 5" long.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Kit Includes:	Price Each	
				1	5
801-KA-260	KA-260	H	A-4598 (red), A-4599 (blue), A-4600 (yellow)	202.62	192.49

Connector Extraction Kit

Includes the three most popular color coded extraction tools for contact sizes 12(yellow), 16 (blue), and 20 (red). 6" long.

801-KR-260	KR-260	I	R-4601 (red), R-4602 (blue), R-9461 (yellow)	255.59	242.81

PIN EXTRACTOR TOOL

A plunger style pin extractor for pushing pins out from behind the connector blocks for contact sizes 16-20. 3" long.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Description	Price Each	
				1	5
801-R5926	R-5926	J	Pin Extractor Tool	12.32	11.70

ALIGNMENT TOOLS

Tool Kit

This 5 piece pocket kit contains a selection of the most popular non-conductive tools for aligning and adjusting components. Supplied in an easy to carry vial.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Kit Includes:	Price Each	
				1	12
801-TK-AT5	TK-AT5	K	Trimpot, Alignment 2 in 1 tool, Spudger, Orange Stick, Probe Pick	7.59	7.21

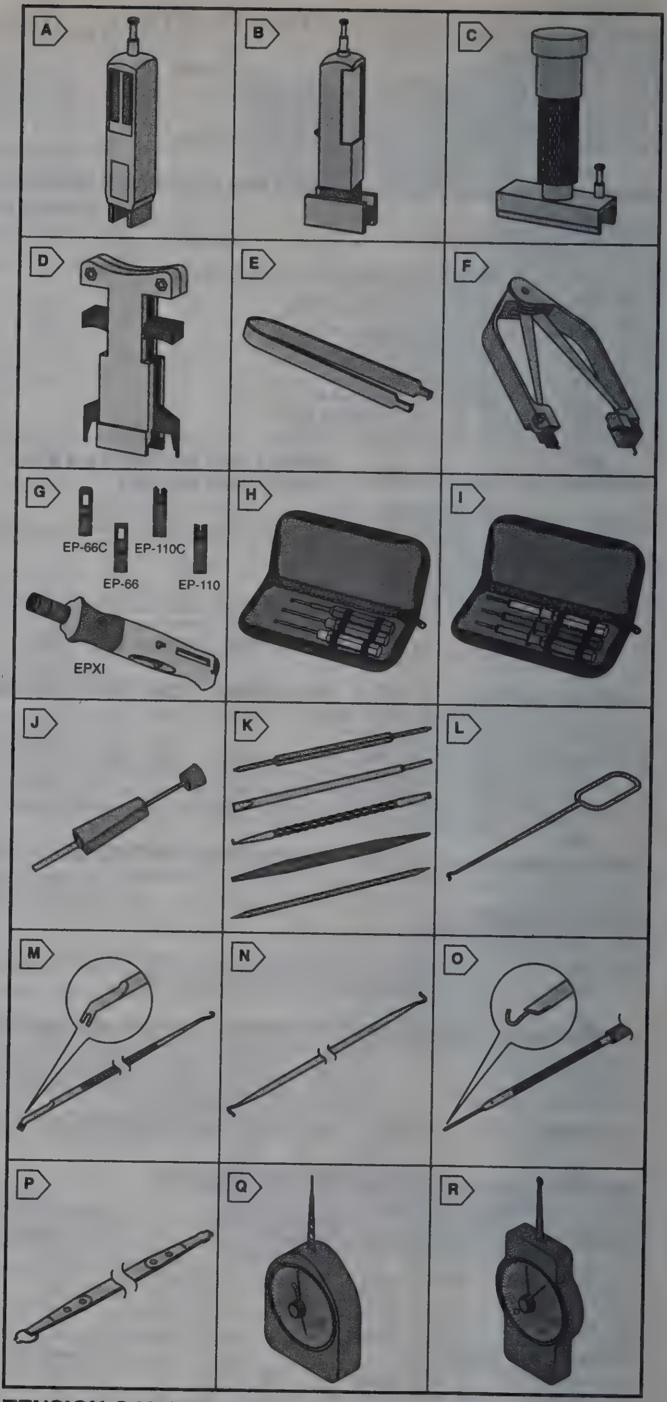
Spring Hooks

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Description	Price Each	
				1	12
801-M-120	M-120	L	Pull hook with looped handle 6" long	3.24	3.02
801-M-125	M-125	L	Push hook with looped handle 6" long	3.24	3.02
801-M-130/SX	M-130/SX	M	Pull hook & lifter w/knurled grip 8" long	3.57	3.33
801-M-137	M-137	N	Push & Pull 2 sided hook 7" long	3.24	3.02
801-M-145	M-145	O	Captive spring hook. 7" long	9.05	8.45

Clip Setter

This tool is used for setting and withdrawing 1.5mm and up E & C Clips. One end of the tool has a hook with leaf spring tension for removing the clip. Other end of the tool has leaf spring for holding clip in position to insert. Narrow shape allows access to confined places. This tool is 6 3/4" long .275" wide and 1/16" thick.

801-CS-1022	CS-1022	P	Clip Setter	14.53	13.56



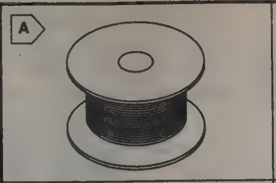
TENSION GAUGES

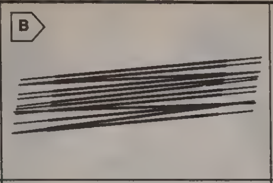
These Gauges are produced in two sizes and a total of 11 different ranges. They offer extreme precision and durability. The measuring springs are made of hard tempered annealed beryllium copper. Dial is protected by unbreakable glass. Packaged in rigid, fitted plastic case to protect instrument.

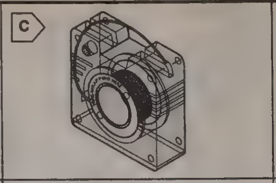
MOUSER STOCK NO.	OK Industries Part No.	Fig.	Range in Grams	Graduation in Grams	Price Each	
					1	5
801-GD-1	GD-1	Q	0-10	.25	171.56	160.19
801-GD-3	GD-3	Q	4-35	1.00	171.56	160.19
801-GD-5	GD-5	Q	5.50	1.00	171.56	160.19
801-GD-10	GD-10	Q	10.100	2.00	171.56	160.19
801-GD-15	GD-15	Q	15-150	5.00	171.56	160.19
801-GD-25	GD-25	Q	30-250	10.00	171.56	160.19
801-GD-30	GD-30	Q	40-350	10.00	171.56	160.19
801-GD-50	GD-50	R	60-500	20.00	365.62	341.39
801-GD-100	GD-100	R	100-1000	25.00	365.62	341.39
801-GD-200	GD-200	R	200-2000	50.00	365.62	341.39
801-GD-400	GD-400	R	400-4000	100.00	365.62	341.39

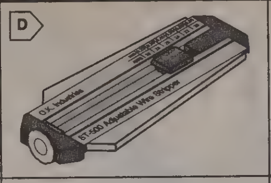
OK INDUSTRIES Wire Wrap Tools, Strippers, & Accessories

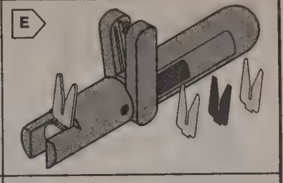
OK Industries
Division of Jonard Industries Corp.

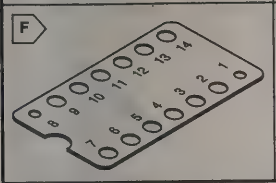
A


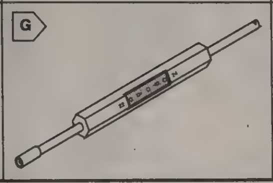
B


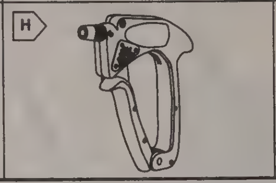
C


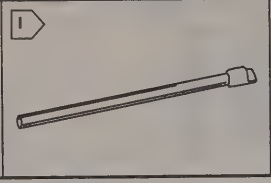
D


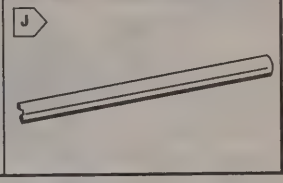
E


F


G


H


I


J


KSW WIRE WRAPPING WIRE ROLLS FOR CUT/STRIP/WRAP APPLICATIONS

- Low strip force KYNAR insulated wire for use with CSW bits and sleeves.

Replace the blank in part number with: **B** for **Blue**, **W** for **White**, **R** for **Red**, **Y** for **Yellow**, **BLK** for **Black**.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	AWG Size	Insulation Dia. (in.)	100' Spool		1000' Spool	
					1	5	1	5
801-KSW24___	KSW24__-0100	A	24	.030	22.58	21.70	---	---
801-KSW26___	KSW26__-0100	A	26	.027	22.58	21.70	---	---
801-KSW28___	KSW28__-0100	A	28	.0235	22.58	21.70	---	---
801-KSW30___	KSW30__-0100	A	30	.0195	22.58	21.70	---	---
801-KSW30___-1000	KSW30__1000	A	30	.0195	---	---	85.08	79.44

KYNAR INSULATED, SILVER PLATED COPPER CONDUCTOR

Replace the blank in part number with: **B** for **Blue**, **W** for **White**, **R** for **Red**, **Y** for **Yellow**.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	AWG Size	Insulation Dia. (in.)	100' Spool		1000' Spool	
					1	5	1	5
801-R24___	R24__-0100	A	24	.030	19.10	18.35	---	---
801-R26___	R26__-0100	A	26	.027	13.35	12.83	---	---
801-R28___	R28__-0100	A	28	.0235	11.69	11.24	---	---
801-R30___	R30__-0100	A	30	.0195	10.35	9.95	---	---
801-R30___-1000	R30__-1000	A	30	.0195	---	---	54.37	50.76

PRE-CUT AND PRE-STRIPPED WIRE WRAPPING WIRE

- 50 pieces per package
- KYNAR insulated
- UIL listed
- Silver plated copper conductor

Replace the blank in part number with: **B** for **Blue**, **W** for **White**, **R** for **Red**, **Y** for **Yellow**.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Insulation Length	AWG Size	Price Each	
					1	5
801-30-__-50-010	30-__-50-010	B	1	30	7.34	7.05
801-30-__-50-020	30-__-50-020	B	2	30	7.34	7.05
801-30-__-50-030	30-__-50-030	B	3	30	8.47	8.14
801-30-__-50-050	30-__-50-050	B	5	30	8.47	8.14

WIRE DISPENSER-WD-30 SERIES

- 30AWG Kynar wire wrapping wire
- Built-in Plunger cuts wire to desired length
- Built-in Stripper strips 1" of insulation
- Refillable

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Description	Price Each	
				1	5
801-WD-30-B	WD-30-B	C	Dispenser with 50' of Blue wire	18.68	17.44
801-WD-30-Y	WD-30-Y	C	Dispenser with 50' of Yellow wire	18.68	17.44
801-WD-30-W	WD-30-W	C	Dispenser with 50' of White wire	18.68	17.44
801-WD-30-R	WD-30-R	C	Dispenser with 50' of Red wire	18.68	17.44
801-WD-30-TRI	WD-30-TRI	C	Dispenser with 50' each Blue, White and Red wire	30.71	28.68
Replacement Rolls of Wire for WD-30 Series					
801-R-30B-0050	R-30B-0050	-	30 AWG Blue 50' for WD-30-B	8.47	8.14
801-R-30Y-0050	R-30Y-0050	-	30 AWG Yellow 50' for WD-30-Y	8.47	8.14
801-R-30W-0050	R-30W-0050	-	30 AWG White 50' for WD-30-W	8.47	8.14
801-R-30R-0050	R-30R-0050	-	30 AWG Red 50' for WD-30-R	8.47	8.14
801-R30-TRI	R-30-TRI	-	30 AWG Red, White, Blue for WD-30-TRI	16.89	16.22

ADJUSTABLE PRECISION WIRE STRIPPERS

- Calibrated Wire Stop
- Single action squeeze-pull motion
- Shirt-pocket size and light-weight
- Clean, precise strip of any insulation type
- Adjustable to 2"

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Description	Price Each	
				1	5
801-ST-500	ST-500	D	Wire Gauge 20-30 AWG	47.73	44.56
801-ST-550	ST-550	D	Wire Gauge 18-28 AWG	47.73	44.56

WIRE CUT-AND-STRIP TOOL ST-100 SERIES

A revolutionary concept for easy and clean stripping of wires fo wire wrapping, electronic and appliance applications. Biomechanically designed for maximum efficiency. The hardened steel cutting blades and sturdy construction of the construction of the tool ensure long life. Strip length easily adjustable for your application.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Wire Size AWG	Description	Price Each	
					1	5
801-ST-100-30	ST-100-30	E	30	7/8" to 1 1/8"	52.29	48.83
Replacement Blades						
801-OK-3907-30B	OK-3907-30	-		Replacement blade for ST-100-30	7.90	7.59

SOCKET-WRAP I.D.

Used to identify pin numbers on wire wrapping sockets. These unique items greatly simplify both initial wire wrapping and subsequent troubleshooting or repair.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Pins	Row Spacing	Qty./Pkg.	Price Each
801-ID-8-100	ID-8-100	F	8	.3"	100	20.80
801-ID-14-100	ID-14-100	F	14	.3"	100	25.71
801-ID-16-100	ID-16-100	F	16	.3"	100	25.71
801-ID-18-50	ID-18-50	F	18	.3"	50	25.71
801-ID-20-50	ID-20-50	F	20	.3"	50	25.71
801-ID-22-50	ID-22-50	F	22	.4"	50	20.80
801-ID-24-50	ID-24-50	F	24	.6"	50	20.80
801-ID-28-50	ID-28-50	F	28	.6"	50	20.80
801-ID-40-25	ID-40-25	F	40	.6"	25	21.41
801-ID-96-25	ID-96-25	F	96	.3"	25	21.41

HAND WRAPPING, STRIPPING AND UNWRAPPING TOOLS

Each WSU tool wraps, unwraps and even strips the appropriate wire diameter with a unique built-in stripper blade. Ideal for bench use or tool kit in all service and repair applications. In addition to versatility, convenience, and reliability, the WSU Series offers exceptional value.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	AWG Size	Term. Hole Depth (in.)	Term. Hole Dia. (in.)	Outside Dia. (in.)	Square Post (in.)	Price Each
801-WSU-2224	WSU-2224	G	22-24	1.50	.075	.213	.045	45.72
801-WSU-24M	WSU-24M	G	24	1.50	.075	.213	.045	45.72
801-WSU-26M	WSU-26M	G	26	1.50	.075	.213	.045	45.72
801-WSU-30	WSU-30	G	30	1.50	.036	.125	.025	32.85
801-WSU-30M	WSU-30M	G	30	1.50	.036	.125	.025	31.95

MANUAL WIRE WRAPPING TOOLS

Accommodates wire sizes from 22 AWG through 32 AWG. Offered in aluminum, insulated aluminum, and lexan, an industrial grade plastic.

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Description	Price Each
801-G200R3278	G200/R3278	H	Lexan	112.58
801-G100R3278	G100/R3278	H	Aluminum	148.95
801-G100R3278INS	G100/R3278INS	H	Insulated Aluminum	159.27
801-G100/R3278FL	G100/R3278FL	H	Insulated Aluminum with LED flashlight	163.93

WIRE WRAPPING BITS AND SLEEVES

Fully compatible with any make or model wire wrapping tool.

Bits

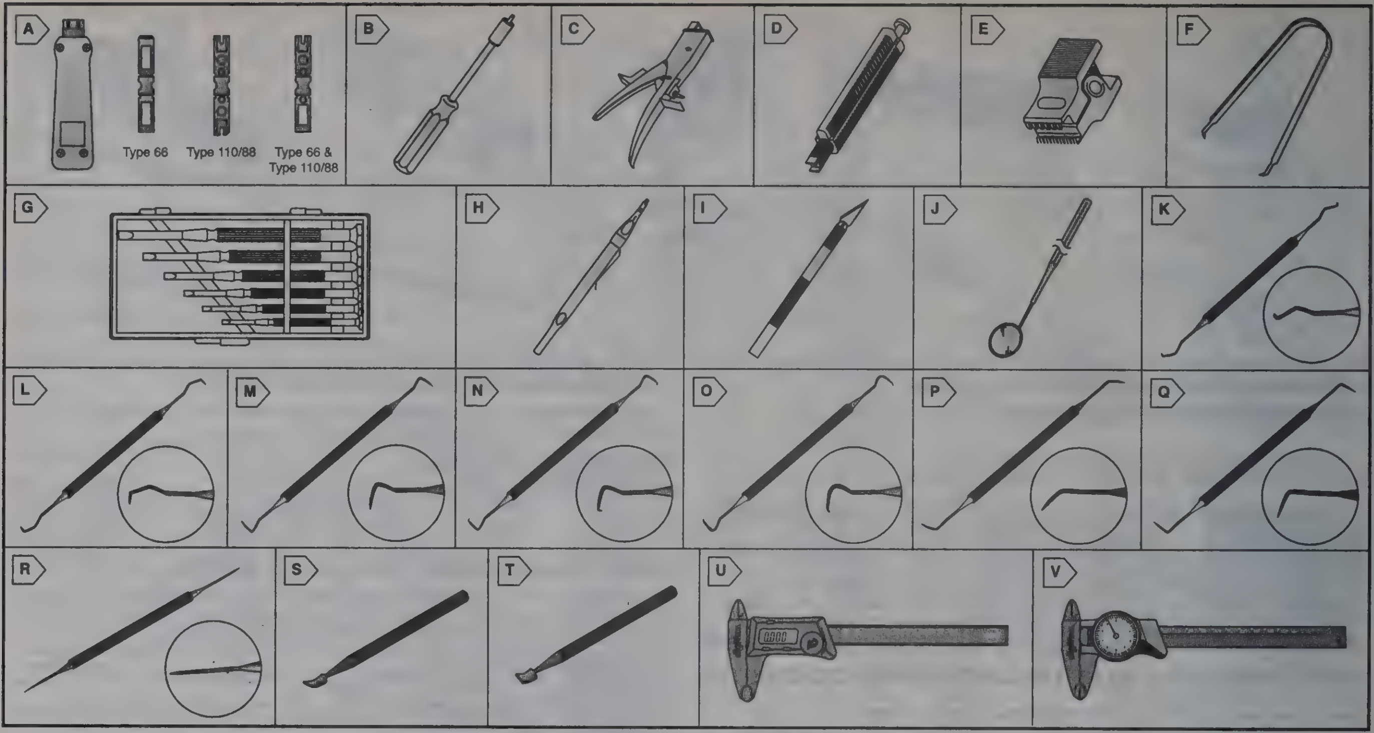
MOUSER STOCK NO.	OK Industries Part No.	Fig.	AWG	Wrap	Price Each
801-KB224	KB224	I	22-24	Reg.	47.98
*801-WB26SM	WB26SM	I	26	Mod.	50.81
*801-WB3032M	WB3032M	I	30-32	Mod.	50.81

Sleeves

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Maximum Insulation Dia.	Minimum Term Diag.	Maximum Term Diag.	Terminal Hole Depth (in.)	Terminal Hole Dia. (in.)	Price Each
801-P2224	P2224	J	- - -	.054	.073	.807	.075	20.81
801-P26LN	P26LN	J	.031	.023	.038	.750	.040	37.26
801-P3032	P3032	J	.027	.034	.038	.750	.040	37.26

* Recommended for .025" square terminals on .100" centers.

Tools, Inspection Mirrors, and Probes and Hooks



eagle plastic devices IMPACT AND PUNCH DOWN TOOL/BLADES

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
382-3240	A	Impact and punchdown tool	20.49	18.63
382-0014	A	Blade, type 66	10.20	9.18
382-0014B	A	Blade, type 110/88	10.20	9.18
382-0014C	A	Blade, type 66 and 110/88	10.20	9.18

KNURLED NUT TOOL

For tightening 4mm & 6mm slotted knurled nuts. Stock Number: 16PJ100/125/126/128 (2.5mm) and 16PJ011/135/136/137/138 & 164-1010 (3.5mm)

- Blade Length: 3 inches
- Accurately mates into knurled nut slots which are spaced 180° apart.
- Total Length: 5 7/8 inches
- Nickel plated finish

MOUSER STOCK NO.	Fig.	Knurled Nut Size (mm)	Price Each	
			1	5
382-0004	B	4	5.94	4.76
382-0006	B	6	5.94	4.76

DELUXE NIBBLING TOOL

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	GC/Waldom Part No.	Fig.	Description	Price Each
524-1806	12-1806-0000	C	Cuts metal and non-brittle plastic	13.94

ANTI-STATIC IC INSERTION TOOLS

For quantities of 10 and up, call for quote.

524-12-4116	12-4116	D	14 - 16 pin insertion tool	14.57
524-12-4128	12-4128	D	24 - 28 pin insertion tool	13.32
524-12-4140	12-4140	D	36 - 40 pin insertion tool	13.32

IC EXTRACTOR TOOLS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
38IC565	E	Spring clip / for use up to 16 pin	3.78
524-9227	F	IC spring steel extractor	3.22

PRECISION SCREWDRIVER SET

381-DK30	G	6 piece slotted set with clear-view plastic case Sizes (mm): .9, 1.2, 1.8, 2.3, 3.0, 3.5	12.91

Spectrol TRIMMER POTENTIOMETER ADJUSTMENT TOOL

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Spectrol Part No.	Fig.	Description	Price Each
594-8T000	8T000	H	Stainless steel blades, glass filled nylon	1.50

COOPER Hand Tools XCELITE KNIFE, BLADES, AND KNIFE SET

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Xcelite Part No.	Fig.	Description	Price Each
578-XN100B	XN100B	I	Light duty knife	2.11
578-XNB103	XNB103	-	5 blade pack	2.14
578-XNS100	XNS100	-	Knife set, 10 assorted blades	10.19

Wiha INSPECTION MIRRORS

- Clean room quality
- Magnifying, boilable, detachable
- For visual checks and fault finding at inaccessible locations.
- Natural finish, stainless steel

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Wiha Part No.	Fig.	Description	Mirror Size	Price Each	
					1	5
596-40410	40410	J	#0 IM - 185mm	10 mm	39.59	28.70
596-40414	40414	J	#1 IM - 200mm	14 mm	39.59	28.70
596-40420	40420	J	#3 IM - 205mm	20 mm	39.59	28.70
596-40426	40426	J	#6 IM - 215mm	26 mm	39.59	28.70
596-40430	40430	J	#8 IM - 215mm	30 mm	39.59	28.70

Wiha PROBES AND HOOKS

Features for Probes:

- For levering and removing components
- For work on PCBs, modeling

Features for Hooks:

- Sharp hooks for cutting and marking
- Surgical stainless steel
- For work on PCBs

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Wiha Part No.	Fig.	Description	Price Each	
				1	5
Stainless steel, Polished finished Probes					
596-43222	43222	K	3220.2-06 170mm	24.38	23.15
596-43223	43223	L	3220.3-05 170mm	24.38	23.15
596-43224	43224	M	3220.4-16 170mm	24.38	23.15
596-43225	43225	N	3220.5-09 170mm	24.38	23.15
596-43226	43226	O	3220.6-10 170mm	24.38	23.15
596-43227	43227	P	3220.7-17 170mm	24.38	23.15
596-43228	43228	Q	3220.8-02 170mm	24.38	23.15
596-43229	43229	R	3220.9.09 170mm	24.38	23.15
Stainless steel, Natural finished Hooks					
596-43232	43232	S	3230.2-03 155mm	32.08	30.47
596-43236	43236	T	3230.6-60 155mm	32.08	30.47

Wiha DIGITAL CALIPER DIGIMAX

Non-metallic high-tech material with 60% fiber glass content. 5 digit digital display with 7.5mm numeral height for easy reading. For outside, inside, depth, and step measurements. Switches on automatically when used and switches off automatically after five minutes of non-use. Zero setting possible in every position for quick comparison measurements.

MOUSER STOCK NO.	Wiha Part No.	Fig.	Resolution	Range	Price Each	
					1	5
596-41101	41101	U	.0005" or .01mm	0-6" or 0-150mm	82.48	71.76

Wiha DIAL CALIPER DIALMAX- METRIC & INCH

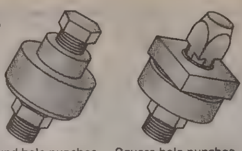
Non-metallic high-tech material with 60% fiber glass content. For outside, inside, depth, and step measurements. Impact resistant dial can be recalibrated to zero.

Metric						
596-41102	41102	V	.01mm	0-150mm	37.48	32.61
Inch						
596-41104	41104	V	.001"	0-6"	37.48	32.61

Punches, Drill Bits, and Tool Sets

DELTRON Components PANEL PUNCHES

Punching capacity: Mild steel .065" (1.65mm), aluminum .079" (2mm)
* Use of ball race is optional. Other punches are supplied with ball race.


Round hole punches Square hole punches

Round Metric Hole Punches

380-0125, 380-0145, and 380-0165 do not require ball races

MOUSER STOCK NO.	Hole Size (mm)	Price Each
380-0125	12.5	16.53
380-0145	14.5	19.50
380-0165	16.5	19.50
* 380-0180	18.0	19.50
* 380-0200	20.0	19.50
* 380-0225	22.5	19.50
* 380-0250	25.0	22.79
* 380-0275	27.5	22.79
* 380-0300	30.0	22.79
380-0350	35.0	25.97
380-0400	40.0	27.33
380-0450	45.0	42.54
380-0500	50.0	47.99
380-0600	60.0	59.44
380-0750	75.0	161.00

Optional Ball Race

For use with square and round hole punches where ball races are optional.

38BB002	10	6.88

Round Imperial Hole Punches

MOUSER STOCK NO.	Hole Size (in.)	Price Each
*38RH034	3/4	19.50
*38RH078	7/8	19.50
*38RH100	1	22.79
*38RH114	1-1/4	22.79
38RH112	1-1/2	31.88
38RH134	1-3/4	42.54

Square Metric Hole Punches

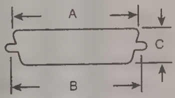
MOUSER STOCK NO.	Hole Size (mm)	Price Each
38SQ038	9.53	46.61
380-0126	12.6	51.84
*380-0141	14.1	51.84
*380-0168	16.8	51.84
*38SQ034	19.1	88.57
*380-0325	32.5	156.65
380-1450	45.0	345.96

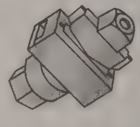
GREENLEE®

ELECTRONIC CONNECTOR PANEL PUNCHES

Features:

- Drill only one 7/16" pilot hole
- Use wrench or hydraulic drive methods
- Capacity 22-16 gauge mild steel
- Universal size for front or back mount of connectors
- 5 piece assembly: Punch, die, draw stud, square nut, and ball bearing drive nut (in a plastic carrying case)





For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	No. of Pins	Dimensions: in.			Price Each
		A	B	C	
586-0229	9	.787	.982	.469	475.99
586-0231	15	1.127	1.309	.469	475.99
586-0232	25	1.655	1.853	.469	475.99
586-0234	37	2.296	2.497	.469	513.86
586-0238	50	2.201	2.402	.579	498.90

GREENLEE®

STANDARD METAL KNOCKOUT PUNCHES

Operate manually using wrench to turn the threaded draw stud into the mating threads of the punch. This draws the punch into the die, shearing a hole in the material being punched. Can also be operated with ratchet or hydraulic punch drivers.

Use to punch holes for switches and instruments in enclosures
- Accurate alignment • Burr-free holes
- Punch up to 14 gauge mild steel

Type 730 (Round)

For quantities of 6 and up, call for quote.

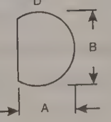
MOUSER STOCK NO.	Hole Size (in.)	Capacity (Gauge)	Price Each
586-3801	1/2	16	41.20
586-3802	9/16	16	38.48
586-3803	5/8	16	39.64
586-3804	11/16	14	39.65
586-3805	3/4	14	37.82
586-3806	13/16	14	39.65
586-3807	7/8	10	35.51
586-3808	15/16	14	41.33
586-3809	1	14	45.09
586-3810	1-1/16	16	43.96
586-3811	1-1/8	14	46.30
586-3814	1-1/4	16	67.05
586-3815	1-5/16	16	43.96
586-3816	1-3/8	16	60.85
586-3817	1-1/2	16	69.25
586-3818	1-5/8	10	77.41
586-3819	1-3/4	10	85.29
586-3821	2	10	102.79
586-3822	2-1/8	10	105.02
586-3823	2-1/4	10	118.08
586-3824	2-1/2	10	166.68

Square (Formerly 731 Series)

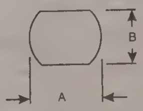
For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Hole Size (in.)	Capacity (Gauge)	Price Each
586-3827	.5	14	146.36
586-3831	1	14	246.61

"D"



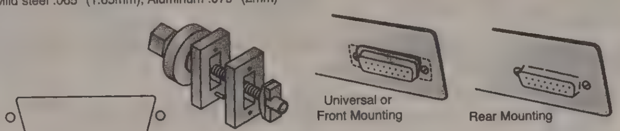
Double "D"



MOUSER STOCK NO.	Dimensions: in.		Capacity (Gauge)	Price Each
	A	B		
"D" (Formerly 733 Series)				
586-3837	.469	.5	14	182.95
586-3838	.594	.625	14	199.26
586-3839	.703	.75	14	209.17
Double "D" (Formerly 734 Series)				
586-3870	.769	.642	14	219.06
586-3873	.913	.795	14	275.99

DELTRON Components D-SUB CONNECTOR PUNCHES

The easiest way to cut holes in mild steel, aluminum, etc. is to use Deltron's "D" connector hole punches. It is almost effortless when using the friction reducing ball race (which is supplied). It is a patented design, with only 6 steps from punching to mounting. 1/8" and 21/64" drills required (drills are not supplied). Punching capacity: Mild steel .065" (1.65mm), Aluminum .079" (2mm)



- For precise installation when a universal punch just won't do

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	No. of Pins	Dimensions: in.		Mounting	Price Each	
		Length	Width		1	5
Rear Mounting D-Sub Connector Punches						
38DM919	9	.78	.445	Rear	247.51	222.76
38DM928	15	1.11	.445	Rear	247.51	222.76
38DM941	25	1.65	.445	Rear	247.51	222.76
38DM958	37	2.30	.445	Rear	266.79	240.11
38DM955	50	2.19	.55	Rear	266.79	240.11
Front Mounting D-Sub Connector Punches						
38DM921	9	.78	.51	Front	247.51	222.76
38DM929	15	1.165	.51	Front	247.51	222.76
38DM943	25	1.708	.51	Front	247.51	222.76
38DM959	37	2.354	.51	Front	266.79	240.11

GENERAL PURPOSE DRILL BITS AND DRILL BIT SETS

Drill Bit Features:

- Sizes for PC board applications
- High speed steel
- Straight shank

Drill Bit Set Features:

- High speed steel • Industrial quality
- Black ferous oxide finish cases
- Straight shanks (except for 5876-34156 which has 3/8" reduced shanks)

Drill Bits

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Drill Size			Price Each			
	Drill No.	Hole Size (in.)	Length (in.)	1	10	20	50
5876-409-52	52	.0635	1 7/8	.88	.80	.74	.67
5876-409-55	55	.0520	1 7/8	.88	.80	.74	.67
5876-409-60	60	.0400	1 5/8	1.01	.91	.84	.77
5876-409-66	66	.0330	1 3/8	1.16	1.05	.96	.88
5876-409-69	69	.0292	1 3/8	1.37	1.24	1.14	1.04
5876-409-75	75	.0210	1	1.55	1.41	1.30	1.18
5876-409-80	80	.0135	3/4	1.55	1.41	1.30	1.18

Drill Bit Sets

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
5876-34156	15 piece set: No. 1/16" - 1/2" in 1/32" increments, 3/8" reduced shanks	86.01
5876-34181	21 piece set: No. 1/16" - 3/8" in 1/64" increments	34.30
5876-34201	29 piece set: 1/16" - 1/2" in 1/64" increments	69.68
5876-34241	60 piece set: No. 1-60 (.2280" - .0400")	50.59

TOOL SETS

#4-1/2" NC and NF sizes

39 Piece Super Tap and Die Set

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
5876-44332	Carbon steel plug taps with 1" round screw adjusting dies for 17 most common thread sizes. Includes die stock, tap wrench, (2) T-handle tap wrenches, screw pitch gauge, and molded case.	144.06

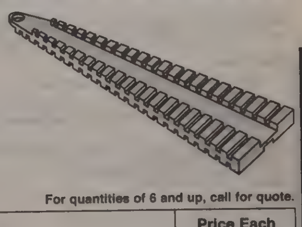
13 Piece Threading Set

5876-41095	Packed in an attractive vinyl display pouch. Contents: 6 wire gauge 135° split point screw machine length HSS drill bits, no.'s 43, 35, 29, 25, 21, and 7; 6 plug taps, 4-40NC, 6-32NC, 8-32NC, 10-24NF, and 1/4-20NC plus tap wrench	13.30

T-Handle Reamer

5876-44268	Hardened and ground steel reamer for removing burrs or enlarging holes in sheet, plastics and similar material. Enlarges holes 1/8" to 1/2"	8.65

SPEEDY BEND LEAD FORMERS



Features:

- Watt size indicates approximate package size
- Centers components on accurate lead spacing
- Each lead former is graduated in .05" increments
- Lead Spacing:

1/4W: 4-1.5" 1W: 8-1.4"
1/2W: 5-1.5" 2W: 9-1.9"

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.	Description (Approx. Size)	Price Each	
		1	5
5166-801	1/4 Watt, 1/2 Watt	5.04	4.20
5166-901	1 Watt, 2 Watt	5.31	4.43

GREENLEE SLUG-BUSTER® KNOCKOUT KIT WITH RATCHET WRENCH

Features:

- 1" Hex Ratchet Wrench allows use with both 3/8" (19.1 mm) and 3/4" (9.5 mm) draw studs.
- High-impact, rugged plastic carrying case.
- 1/2" - 2" Conduit Size

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
586	7238SB	A	Slug-Buster® Knockout Kit with Ratchet Wrench	304.82

GREENLEE SLUG-BUSTER® MANUAL KNOCKOUT KIT

Features:

- Assortment of commonly used Slug-Buster® knockout punches, packaged to meet the contractor's needs.
- High-impact, rugged plastic carrying case.
- 1/2"- 1-1/4" Conduit Size

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
586	7235BB	B	Slug-Buster® Manual Knockout Punch Kit	153.62

GREENLEE COMBO DRILL/TAP BITS

Features:

- Material thickness - 10 gauge
- Material type - mild steel, copper, brass, aluminum
- Shank - 1/4" quick change hex
- Drill Material - hardened high speed steel
- Drill point - split point with web thinning

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
586	DTAPKIT	C	6-32 to 1/4-20 6 piece drill/tap set	41.79
586	DTAP6-32	C	6-32NC drill/tap bit	7.58
586	DTAP8-32	C	8-32NC drill/tap bit	7.35
586	DTAP10-24	C	10-24NC drill/tap bit	7.58
586	DTAP10-32	C	10-32NC drill/tap bit	7.58
586	DTAP12-24	C	12-24NC drill/tap bit	7.58
586	DTAP1/4-20	C	1/4-20NC drill/tap bit	7.58

GREENLEE HOLE DEBURRING TOOL

Features:

- Cleans burrs from both sides works with any hole size or shape 3/4" or larger
- Use with existing drills
- Deburrs up to 10G
- Works on mild and stainless steel, copper, brass, and aluminum
- 3/8" shank

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
586	11170	D	Deburring Tool	27.37
586	11180	D	Replacement Cutter 3 Pack	21.45

GREENLEE QUICK CHANGE HOLE SAW KIT

Features:

- Shank - available for 3/8" and heavy duty 1/2" chuck sizes
- Arbor length - 5 1/2" with pilot drill
- Arbor weight - 0.5 lbs (227g)
- Arbor operation - push collar to lock on saw, pull to release saw
- Arbor pilot drill - 37623, 4 1/8" x 1/4" (104.8mm x 6.4mm)

For quantities of 2 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
586	830Q	E	Quick Change hole saw kit for 1/2" thru 2" conduit sizes	129.16

GREENLEE KWIK STEPPER STEP BITS

Features:

- Hole Sizes: From 1/8" through 1-3/8" (3.2 - 34.9 mm)
- Capacity: Cut up through 3/8" (9.5 mm) mild steel, copper, brass, aluminum, wood, plastic and laminates.

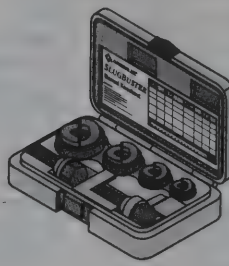
For quantities of 2 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
586	03607	F	Kwik Stepper Step Bit Kit	84.94
586	35884	F	Kwik Stepper Step Bit Kit 1-3-8	146.87
586	34401	F	1/2" Multi-Hole Step Bit	28.75
586	34403	F	7/8" Multi-Hole Step Bit	47.25
586	30008	F	1-1/8" Multi-Hole Step Bit	67.05
586	35936	F	Plastic Case	40.60

A

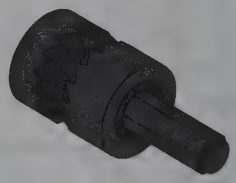
GREENLEE
SLUGBUSTER
KNOCKOUT PUNCH SET

B



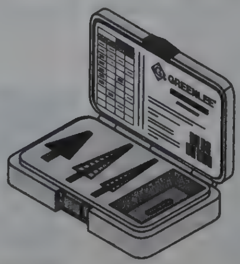
C

D

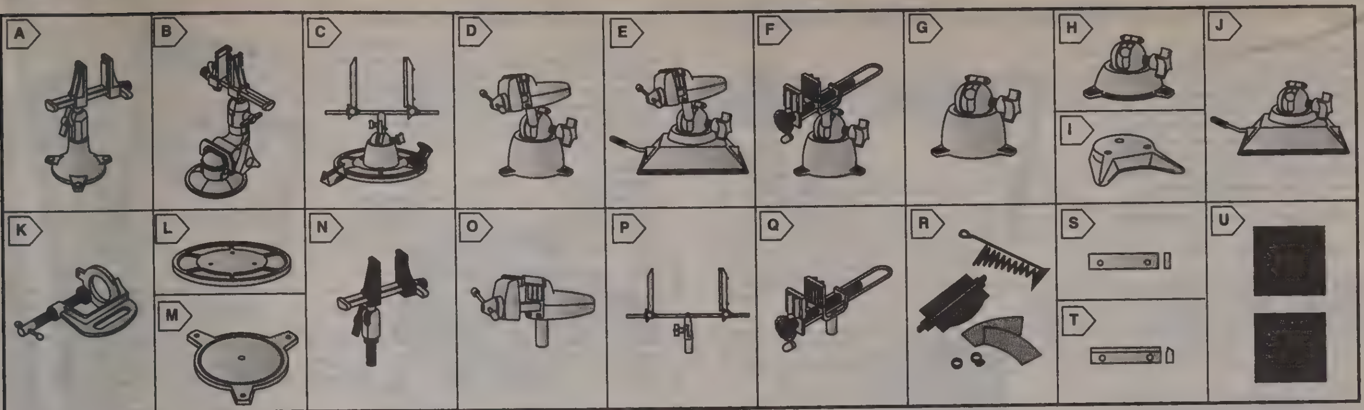


E

F



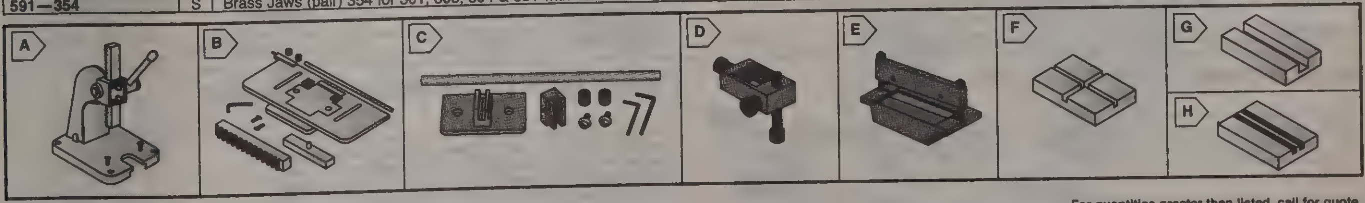
PANAVISE Vises, Presses, and Accessories



VISES, BASES AND HEADS

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
591	201	A	PV JR. Mini Panavise 201 More like a tool than a vise, the grooved jaws open to 2 7/8" and are made of fiber reinforced thermal composite alloy. Jaws are controlled with a fine/coarse adjusting knob which permits very delicate work.	23.99
591	209	B	Vacuum Base Precision Vise The most portable precision vise you'll ever own. Perfect for light duty field repairs, electronics, hobby and other projects. Will hold items weighing up to 3 lbs.	32.99
591	324	C	Electronic Work Center 396 A complete electronic work center. The work station gives you a circuit board holder, standard base, tray base mount, and solder station, all in one package. Keeps work areas more efficient and manageable.	81.99
591	301	D	Standard Panavise All purpose work holding unit. It tilts, turns, and rotates. This combination consists of the 300 Standard Base and the 303 Standard Head which has 2 1/2" wide nylon jaws that open 2 1/4" for firm but damage free grip. Control knob locks the work firmly in any position.	44.99
591	381	E	Vacuum Base Panavise 381 is a combination of the 380 Vacuum Base and the 303 Standard Head. A half turn of the mount lever attaches or releases the powerful suction pad and allows rapid set-ups in a variety of locations (for use on smooth, non-porous surfaces only). This combination stands 6 1/8" (155.6mm) tall and weighs 2lbs. 13oz. (1.3kgs).	57.99
591	396	F	Wide Opening Head 396 The combination of the 366 Wide Opening Head and the 300 Standard Base makes this holding device very versatile for production lines, technicians, and designers. It opens to a full 6" to accommodate most PC boards. The deep ribbed, neoframe jaw pads reverse to hold delicate cylindrical objects such as timers, coils, motor armatures, etc.	53.99
Bases				
591	300	G	Standard Base 300 Holds all regular 300 series heads and PCB holders. Split-ball feature permits work in various positions. 3 base mounting holes.	20.99
591	305	H	Low Profile Base has same features as model 300 except it is only 2 1/2" high, for working close to bench surface. Can also be permanently mounted.	20.99
591	308	I	Weighted Base Mount holds model 300 or 305 base with 3 screws and nuts, which are included. Weighs 5 lbs., cast iron.	29.99
591	380	J	Vacuum Base 380 Excellent for portable applications. Simply flip the lever to activate the rubber base and attach the unit to any non-porous surface.	33.99
591	311	K	Bench Clamp designed for bases 300 and 305 with screws supplied. Height 6 3/4", throat depth 2 3/8", gripping range 0"-3 1/2	39.99
591	312	L	Tray Base Mount 312 Designed for the low profile and standard base. This is a very stable work platform, yet is easily portable. Six individual trays are cast into base for holding of small parts. Tray mount is exceptionally stable and resists tipping. It has 6 non-marring, anti-skid base pads. Standard base attaches with 3 screws, which are included.	19.99
591	335	M	Magnetic Mount 335 Attaches to any metal surface. Includes 3 mounting screws to attach to models 300 and 305.	18.99
Heads				
591	203	N	PV Jr. Head 203 Perfect for at-home hobbyists and electronics enthusiasts. Grooved jaws open to 2 7/8". Jaws are 1" wide and 2" tall. The stem is 1" long and 5/8" in diameter. Overall height is 3 3/4".	20.77
591	303	O	Standard Vise Head has 2 1/2" wide nylon jaws that open 2 1/4" and allow firm but damage-free grip. Fits 300 and 305 bases.	24.99
591	315	P	Circuit Board Holder holds PC boards of any shape, up to 12" wide in any position. Tension arm permits easy board insertion. Both arms extend 6" from the bar, with V-grove grip designed to hold PCB's up to 5/32" thick. Fits all 300 series bases.	32.99
591	366	Q	Wide Opening Vertical Vise Head 366 fits all 300 series bases. Neoprene reversible, replaceable pads, rotates 360°. Tilt action 180°, grip range 0"-6", jaw pad width 1 3/4", throat depth 2".	33.99
Accessories				
591	371	R	Solder Station 371 is a combination soldering iron holder and controlled-feed holder for standard spools of solder and wire. 2 nib sponges with self-purging slits are included. The station attaches to the 312 Tray Base Mount or to the 308 Weighted Base Mount. It may also be used as freestanding unit and is easily attached to a bench or wall.	11.99
591	343	S	Nylon Jaws (pair) 343 Nylon jaws offer excellent electrical insulation and gentle holding power. Made of type 66 nylon. Will withstand intermittent heat to 300°F, or a continuous 200°F. Included standard on the 303 Standard Head	2.79
591	344	T	Grooved Nylon Jaws (pair) 344 Nylon jaws are similar to the 343 Nylon Jaws except that they have a small horizontal groove running the width of the jaws. Perfect for holding small tubes, rods, and small circuit boards firmly in place.	3.79
591	346	U	Neoprene Jaw Pads (pair) 346 The reversible 346 Neoprene Jaw Pads are used with the 366 Wide Opening Head and the 376 Self-Centering Head. These thick, molded pads have a corrugated surface on one side to firmly hold the most delicate items.	2.99
591	352	S	Teflon Jaws (pair) 352 for 301, 303, 304 & 381 with screws.	11.99
591	353	S	Plated Steel Jaws (pair) 353 for 301, 303, 304 & 381 with screws.	6.49
591	354	S	Brass Jaws (pair) 354 for 301, 303, 304 & 381 with screws.	8.49



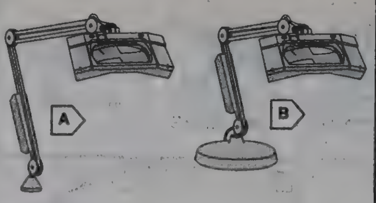
PANAPRESS

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
591	502	A	Precision PanaPress 502 is ideal for pressing bearings, sleeves, collars, forming and assembling small parts, punching, riveting, broaching, staking, etc. Exerts pressures up to 1/4 ton and features a reversible ram.	119.99
591	506	B	IDC Bench Assembly Retrofit Kit 506 converts the 502 Precision PanaPress into an IDC Bench Assembly Press. When used with interchangeable base plates it accommodates a broad range of IDC connectors, capable of mass terminating up to 64 conductor cable without wire stripping or soldering.	59.99
591	561	C	Crimp Press Retrofit Kit 561 converts the 502 Precision PanaPress into a convenient crimp press.	34.99
591	570	D	PanaPress Posi-Stop 570 Adjustable positive stop for all PanaVise Presses. Precisely controls ram depth.	7.99
591	507	E	Flat Ribbon Cable Cutter 507 Slips into the PanaPress with the 506 Retrofit Kit.	67.99
591	510	F	Female Socket Transition Connectors. Fits: Ansley, Amphenol/Spectra Strip, 3M/AP Products, Alpha, Augat, Souriau	29.99
591	510A	F	For female socket transition connectors. Fits: Belden	29.99
591	511	G	For card edge connectors. Fits: Ansley, 3M/AP Products, Alpha	29.99
591	512	H	For standard DIP plugs. Fits: all makes either .100" x .300" or .100" x .600" (industry standard sizes)	29.99
591	512A	H	For miniature DIP Plugs. Fits: all makes .100" x .100" (industry standard)	29.99

WAVE+PLUS MAGNIFIERS WITH 3.5-DIOPTER LENS

A WAVE+ magnifier combines innovative product design and functional engineering to achieve a superior product. Its 3.5 diopter lens (1.85X), measuring 6.75" x 4.5", delivers a crisp, distortion-free viewing window. Precision-balanced arms maintain the position they're placed in and superior quality "necks" permit the head of the magnifier to be angled properly. Two 13-watt quad fluorescent tubes give excellent illumination. Accessory lenses allow inspection at magnification levels up to 4.35X. All products are UL/CUL listed and carry a 5-year warranty.



- Also available in Black (BK)

MOUSER STOCK NO.	Luxo Part No.	Fig.	Arm Length	Mount	Color	Price Each
536-17845LG	17845	A	45"	Clamp (A)	Lt. Gray	360.15
536-17847LG	17847	B	30"	Weighted Base (FE)	Lt. Gray	423.15

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-36205	36205	13 watt compact fluorescent lamp	14.70
536-50074	50074	4-diopter accessory lens	47.25
536-50078	50078	8-diopter accessory lens	47.25
536-50206	50206	10-diopter swing away lens	99.75

WAVE+PLUS ESD & WAVE+PLUS UV MAGNIFIERS

The **Wave+ESD Magnifier** combines 3.5 diopter lens (6-3/4" x 4-1/2") for 1.85x magnification and crisp distortion-free viewing window with a precision-balanced arm to permit proper positioning of the light for the task.

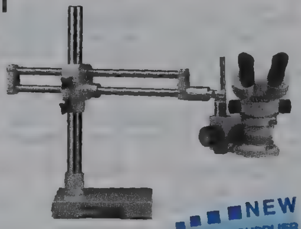
Wave+ Plus UV Illuminated Magnifier combines the class-leading design characteristics and high function of the original Wave+ Plus illuminated magnifier, with a new ultraviolet light source. UV light is the ideal choice when inspecting conformal coating applications in circuit board and electronic assembly manufacturing plants.

MOUSER STOCK NO.	Luxo Part No.	Arm Length	Mount	Color	Price Each
536-17900BK	17900	45"	ESD with A/R coating	Matte Black	549.15
536-17915BK	17915	45"	WAVED + UV K1AH	Matte Black	488.25

SYSTEM 273RB-FL MICROSCOPE WITH FLUORESCENT RING LIGHT

"Factory Drop Ship"

Binocular Stereo-Zoom 23mm Microscope with Dual Boom Ball-Bearing Stand and Fluorescent Ring Light offers superior convenience and uncompromising optical quality. A 26" stainless steel horizontal boom extension and 19.5" vertical boom are mounted to a 10" die-cast base. Ball-Bearing design allows fluid horizontal extension of the boomstand. 17-watt fluorescent light source is rated for 4,000 hours with a color temperature of 5600°K. Extensive flexibility and adjustability allow this microscope to alter angles up to 45°; the head can be rotated 560° in its focus mount. This 23mm microscope offers an 8" working distance when used with accessory lens, Model # 23750, and a 15% greater field of view than comparable Luxo System 250 models. Microscope magnification range of 7X to 45X.



NEW FROM SUPPLIER

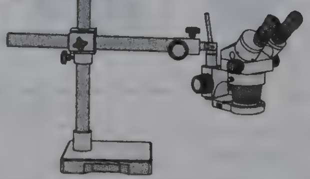
MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-23712	23712	23mm microscope with dual boom ball-bearing stand and flourescent ring light	1611.75
536-23750	23750	0.5X reducing lens	115.50

MICROSCOPES

"Factory Drop Ship"

The System 250FL features a Binocular Stereo-Zoom Microscope with Boom Stand and a Fluorescent Ring Light. Luxo's Binocular S-Z scope has a sturdy, heavy duty, cast aluminum alloy housing that rotates 360° in its focus mount.

Models are standard with 10X widefield eyepieces and have a zoom range from .65X to 4.5X giving it a magnification range of 6.5S-45X.



MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-18714	18714	System 250	1300.00
536-18712	18712	System 250 FL	1500.00

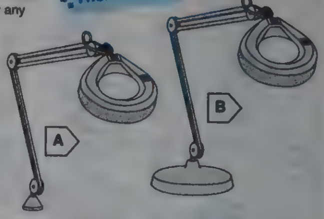
Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-18750	18750	0.5X Lens	125.00
536-18700	18700	Stereo-Zoom Binocular	750.00

KFM SERIES MAGNIFIERS

NEW FROM SUPPLIER

The KFM Series is the most widely used magnification system in the world. Backed by more options and quality features than any other magnifier, the KFM Series is well equipped to handle virtually any magnifying challenges. And now, with new enhancements, KFM magnifiers are even more powerful and convenient to use. 5" diameter, 3-diopter (1.75X) or 5-diopter (2.25X) lens standard. All products are UL/CUL listed.



Features:

- Instant-On Switch
- Adjustable Neck
- Electronic ballast
- 22W circling fluorescent light source, included
- Internal Spring Arm
- Highest color clarity lens
- Built-in mounting clip for accessory 10 diopter (3.50X) accessory lens (not included)

- Also available in Black (BK), White (WT)

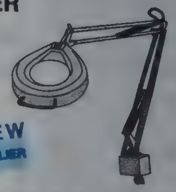
MOUSER STOCK NO.	Luxo Part No.	Fig.	Arm Length	Lens	Mount	Color	Price Each
536-17113LG	17113	A	45"	3-diopter	Edge Mount	Lt. Gray	246.75
536-17115LG	17113	A	45"	5-diopter	Edge Mount	Lt. Gray	257.25
536-17253LG	17253	B	30"	3-diopter	Weighted Base	Lt. Gray	305.75

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-31640	31640	22 watt fluorescent lamp	14.18
536-50206	50206	10-diopter swing-away lens	99.75

INTERMEDIATE FLUORESCENT MAGNIFIER

This Intermediate Fluorescent Magnifier is ideal for the economical user. The magnifier features a 45" arm and 5" diameter lens in either 3-diopter (1.75X) or 5-diopter (2.25X) models. Edge clamp mount. All models include a lamp diffuser cover, 3-wire cord, a 22-watt fluorescent tube which provides shadow-free illumination and a built-in starter so the switch does not have to be held down for several seconds to illuminate the tube. Operates on 115VAC. UL/CUL listed.



NEW FROM SUPPLIER

Features:

- Upgraded to sturdy, all steel construction
- 22W circling fluorescent light source, included

MOUSER STOCK NO.	Luxo Part No.	Arm Length	Lens	Mount	Color	Price Each
536-16345LG	16345LG	45"	3-diopter	Clamp	Light Gray	103.95
536-16346LG	16346LG	45"	5-diopter	Clamp	Light Gray	103.95

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-31640	31640	22 watt fluorescent lamp	14.18

HEAVY DUTY COMBINATION LIGHT

This Heavy Duty Combination Light features both a 60W incandescent and a 22W circling florescent bulb providing optimal illumination. Complete with a 42" arm, convenience outlet and 3-conductor cord set, this combination light is ideal for any environment demanding superior lighting.

MOUSER STOCK NO.	Luxo Part No.	Arm Length	Mount	Color	Price Each
536-L012	L012	42"	Edge Clamp	Matte Black	126.00

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-60008MB	60008	Optional: Weighted K Base	60.90

HEAVY DUTY FLUORESCENT TASK LIGHT

This Heavy Duty Fluorescent Task Light combines superior illumination and enhanced design. The heavy duty steel shade with molded handle houses two 15W fluorescent lamps. A built in starter provides rapid-start illumination. This product comes standard with an edge clamp, 3-wire cordset and a 600W convenience outlet standard.

MOUSER STOCK NO.	Luxo Part No.	Arm Length	Mount	Color	Price Each
536-L512MB	L512	42"	Edge Clamp	Matte Black	131.25
536-L512LG	L512	42"	Edge Clamp	Light Gray	131.25

Accessories

MOUSER STOCK NO.	Luxo Part No.	Description	Price Each
536-60008MB	60008	Optional: K Base	60.90

OK INTERNATIONAL Solder Systems and Accessories

by OK International

RoHS Compliant This page of product is compliant.

HCT-900 SYSTEM CONVECTION REWORK

by OK International

The HCT-900 can be used for the removal and replacement of electronic components, including lead-free, from 0201 up to 304-Pin QFP. It is also effective at reworking pin-hole devices such as sockets and connectors. And, using it with solder braid and flux is a fast and efficient way to remove solder shorts and splashes. It can also be used in plastic applications such as applying shrink wrap to components or the formation of plastic rivets.

RoHS Compliant

HCT Hand Held Convection Tools

The HCT-900 Hand Held Convection Tool offers a low cost, versatile rework solution for a wide variety of production and rework application challenges. It has a compact, robust design comprising of analog controls for both airflow and heat. A closed loop feedback circuit controls the temperature allowing the desired temperature to be achieved and maintained regardless of changes in the volume of airflow.

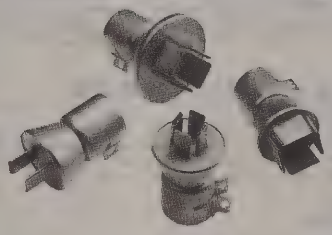
For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	5	10
745	HCT900-11	100/120 VAC, AC Input 115 VAC	618.75	606.38	594.25
745	HCT900-21	220/240 VAC, AC Input 230 VAC	618.75	606.38	594.25

HCT Nozzles

The HCT-900 is supplied with a standard single jet H-D50 (0.2", 5.0 mm) nozzle.

In addition two rework nozzle kits, predefined for specific applications, are available.



For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Chain Type	Size	Price Each		
Mfr.	Mfr. Part No.			1	5	10
745	H-D120	- - -	12.0 Dia.	22.80	22.34	21.89
745	H-D25	- - -	2.5 Dia.	22.80	22.34	21.89
745	H-D50	- - -	5.0 Dia.	22.80	22.34	21.89
745	H-P20	PLCC-20	11.9 x 11.9	108.30	106.13	104.01
745	H-P28	PLCC-28	14.5 x 14.5	108.30	106.13	104.01
745	H-P32	PLCC-32	16.9 x 14.3	108.30	106.13	104.01
745	H-P44	PLCC-44	19.5 x 19.5	108.30	106.13	104.01
745	H-P52	PLCC-52	22.0 x 22.1	108.30	106.13	104.01
745	H-P68	PLCC-68	27.0 x 27.2	108.30	106.13	104.01
745	H-P84	PLCC-84	32.4 x 32.4	108.30	106.13	104.01
745	H-Q07	QFP-48	8.4 x 8.4	108.30	106.13	104.01
745	H-Q10	QFP-44	13.4 x 13.4	108.30	106.13	104.01
745	H-Q14	QFP-52, 80	17.3 x 17.3	108.30	106.13	104.01
745	H-Q1420	QFP-64, 80, 100	23.4 x 18.1	108.30	106.13	104.01
745	H-Q2626	QFP-208	29.8 x 29.8	108.30	106.13	104.01
745	H-Q28	QFP-120, 128, 144, 160	31.2 x 31.2	108.30	106.13	104.01
745	H-Q3232	QFP-240	34.5 x 34.5	108.30	106.13	104.01
745	H-S16	SOIC 14, 16	6.8 x 10.2	85.50	83.79	82.11
745	H-SL16	SOL 14, 16	10.6 x 10.8	85.50	83.79	82.11
745	H-BQ23	BQFP-100	22 x 22.4	108.30	106.13	104.01
745	H-BQ38	BQFP-196	37.7 x 37.7	108.30	106.13	104.01
745	H-SL28	SOL 28	10.6 x 18.4	85.50	83.79	82.11
745	H-SL44	SOL 44	16.0 x 27.9	85.50	83.79	82.11
745	H-SOJ32	SOJ 32	13.5 x 20.6	85.50	83.79	82.11
745	H-SOJ40	SOJ 40	13.5 x 25.4	85.50	83.79	82.11
745	H-TS24	TSOP 20-24	17.0 x 7.1	85.50	83.79	82.11
745	H-TS32	TSOP 28-32	21.0 x 9.1	85.50	83.79	82.11
745	H-TS40	TSOP 40	21.0 x 10.8	85.50	83.79	82.11
745	H-TS48	TSOP 48	21.0 x 13.3	85.50	83.79	82.11
745	H-TSW24	TSOP 20-24	10.2 x 18.4	85.50	83.79	82.11
745	H-TSW44	TSOP 24-28/40-44	12.7 x 19.8	85.50	83.79	82.11

HCT Nozzle Kits

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	5	10
745	NZKT-1	Nozzle Kit for Chip Resistors, SOIC & TSOP Packages	307.80	301.64	295.61
745	NZKT-2	Kit for PLCC, QFP & BQFP pkgs	393.75	385.88	378.16

METCAL MX REWORK SYSTEMS

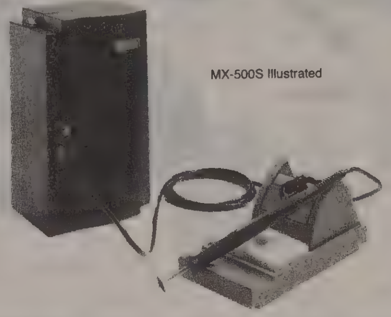
by OK International

Metcal can make anyone a rework expert. That's because Metcal's patented technology and precision-engineered design assure consistent results. Tip cartridges like the SMTC-x147 (hoof) multi-lead speed soldering cartridge make attaching QFP-208's easier than you've ever imagined. Removal is just as quick and easy.

Features:

- Reduces your maintainence costs
- No calibration makes ISO 9000 compliance easy.
- The power to deliver high throughput at low temperatures
- Attention to detail provides unmatched comfort and simplicity
- Award winning pistol grip SMT rework / desoldering system
- Superior process control reduces board damage
- Automatic time-out increases tip cartridge life
- Optimized bench space

RoHS Compliant



MX-500S Illustrated

For quantities 50 and up, call for quote.

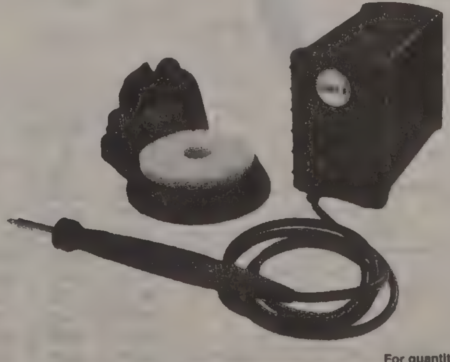
MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	5	10
745	MX-D001	Desolder Upgrade Kit	438.75	429.98	421.38
745	MX-WS1C	MX RM3E / 6E Cradle	27.00	26.46	25.93
745	MX-WSC5	TALON Cradle	23.18	22.72	22.27
745	MX-500DS	Two-Port 100 / 120 VAC, Desolder / Solder System	861.75	844.52	827.63
745	MX-500S	Two-Port 100 / 120 VAC, Solder / Talon® System	545.63	534.72	524.03
745	MX-500TS	Two-Port 100/120 VAC, Solder System	821.25	804.83	788.73

PS-800 SOLDERING SYSTEM

by OK International

Designed to be the perfect, compact system for repetitive manual soldering and touch-up. The PS-800 Soldering System features an innovative,compact power supply with a small footprint which is ideal for production environments. The system combines the power and superior process control advantages of SmartHeat®, with the system quality and innovative design of OK International irons. In addition, the PS-800 Soldering System utilizing SmartHeat Technology requires no calibration.

The PS-800 Soldering System uses replaceable heater tips rather than cartridges, with the cost being comparable to that of conventional tips, making cost of ownership competitive. The unique two-piece design separates the induction coil from the heater tip. The long-life induction coil remains in the handle, while replaceable heater tips are easily removed and replaced.



RoHS Compliant

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	5	10
745	PS-CA2	PS-800 Coil Assembly	28.13	27.57	27.02
745	PS-HC2	Assembly, Coil and Cable, PS-800	84.38	82.37	81.04
745	PS-WS2	PS-800 Workstand with Sponge	45.00	44.10	43.22
745	PS-800E	PS-800 Soldering System	223.88	219.40	215.01

OK INTERNATIONAL Solder Systems and Accessories

This page of product is compliant.

MFR SERIES: MULTI-FUNCTION REWORK SYSTEMS

The Multi Function Rework Systems (MFR) not only expertly perform rework, they also have tools for SMT and through-hole soldering. These flexible systems feature two switchable outputs with a choice of comprehensive tools that support today's complex PCB and component technologies.

RoHS Compliant

MFR-SRC Illustrated

MFR-DSI Illustrated

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	5	10
745—	MFR-PST	MFR Producion Solder-Heater Tip System	590.63	578.82	567.24
745—	MFR-PTZ	Solder / Precision Tweezer System, MFR	590.63	578.82	567.24
745—	MFR-SRC	Solder / Rework Cartridge System, MFR	590.63	578.82	567.24
745—	MFR-STZ	Solder / MFR Standard Tweezer System	871.88	854.44	837.35
745—	MFR-DSI	MFR De-Solder (Internal Pump) System	871.88	854.44	837.35
745—	MFR-DS	MFR De-Solder (External Air) System	815.63	799.32	783.33
745—	MFR-SDI	MFR Solder / De-Solder (Internal Pump) System	984.38	964.69	945.40
745—	MFR-SDX	MFR Solder / De-Solder (External Air) System	928.13	909.57	891.38

MFR ACCESSORIES

RoHS Compliant

MFR-HPT Illustrated

MFR-HDS Illustrated

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	5	10
745—	AC-CC	Solder Collection Chamber	8.12	7.96	7.80
745—	AC-DFP	Chamber Liner & Filter Pack (24 Count)	16.32	15.99	15.67
745—	AC-VL	ESD Air Hose and Fitting	28.97	28.39	27.82
745—	MFR-HDCA	Desolder Coil Assembly	86.91	85.17	83.47
745—	MFR-HDS	Convertible Desolder Handpiece Assy	231.75	209.48	205.29
745—	MFR-WSDS	Desolder Workstand	56.25	55.13	54.03
745—	AC-BP	Lead Free Brass Pad package of 10	10.13	9.93	9.73
745—	AC-IK	Interlocking / Mounting Kit	10.13	9.93	9.73
745—	AC-MFR-PM	MFR Power Meter	68.75	165.38	162.07
745—	AC-Y10	Yellow, Sponge, (3.2" x 2.1") pkg of 10	22.50	22.05	21.61
745—	MFR-CA2	Coil Assembly for Production Solder Tip	28.13	27.57	27.02
745—	MFR-HPS	Heater Tip Handpiece with Coil Assembly and Cord	95.63	93.72	91.85
745—	MFR-HPT	Precision Tweezer Handpiece w/Cord	309.38	303.19	297.13
745—	MFR-HSR	Rework Handpiece with Cord	95.63	93.72	91.85
745—	MFR-WSPT	Precision Tweezer Workstand	56.25	55.13	54.03
745—	MFR-WSSR	ReWork Workstand	56.25	55.13	54.03

MFR TIPS

RoHS Compliant

Solder Tips

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Size (mm / in.)	Price Each		
Mfr.	Mfr. Part No.			1	5	10
745—	SFV-CH20	Chisel Solder Tip	1.80 / .04"	9.12	8.94	8.76
745—	SFV-CH25	Chisel Solder Tip	2.5 / .07"	9.12	8.94	8.76
745—	SFV-CH50	Extra Large Chisel Solder Tip	5.0 / .20"	11.40	11.17	10.95
745—	SFV-CHB15	Chisel Bent 30dg Solder Tip	1.5 / .06"	11.40	11.17	10.95
745—	SFV-CN05	Conical Solder Tip	0.5 / .02"	11.40	11.17	10.95
745—	SFV-CNB05	Conical Bent Solder Tip	0.5 / .02"	9.12	8.94	8.76
745—	SFV-CNL04	Conical Long Solder Tip	0.4 / .16"	11.40	11.17	10.95
745—	SFV-CNL10	Conical Long Solder Tip	1.0 / .04"	11.40	11.17	10.95
745—	SFV-CNL14	Conical Log Tip	1.4 / .055"	11.40	11.17	10.95
745—	SFV-DRH20	Conical Bevel Solder Tip	1.80 / .07"	11.40	11.17	10.95
745—	SFV-DRK50	Knife Solder Tip	5.0 / .20"	11.40	11.17	10.95

Desolder Tips

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Size (mm / in.)	Price Each		
Mfr.	Mfr. Part No.			1	5	10
745—	DFPCN2	Desolder Tip ID	.64 / .025"	39.90	39.10	38.32
745—	DFP-CN3	Desolder Tip ID	.76 / .03"	39.90	39.10	38.32
745—	DFP-CN4	Desolder Tip ID	1.02 / .04"	39.90	39.10	38.32
745—	DFP-CN5	Desolder Tip ID	1.27 / .05"	39.90	39.10	38.32
745—	DFP-CN6	Desolder Tip ID	1.52 / .06"	39.90	39.10	38.32
745—	DFP-CN7	Desolder Tip ID	2.41/.095"	39.90	39.10	38.32
745—	DFP-CNL3	Desolder Tip Long Reach ID	.76 / .03"	47.60	46.65	45.72
745—	DFP-CNL4	Desolder Tip Long Reach ID	1.02 / .04"	47.60	46.65	45.72
745—	DFP-CNL5	Desolder Tip Long Reach ID	1.27 / .05"	47.60	46.65	45.72

MFR CARTRIDGES

The Standard Soldering Tip Cartridges are used with the MFR-HSR Soldering and Rework Hand-piece and have been designed to deliver outstanding performance for the majority of point to point soldering and basic rework applications.

RoHS Compliant

Cartridges

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Size	Price Each		
Mfr.	Mfr. Part No.			1	5	10
745—	SFP-BVL10	Bevel Cartridge, 60°	1.0mm (.04")	20.52	20.11	19.71
745—	SFP-CH10	Chisel Cartridge, 30°	1.0mm (.04")	14.82	14.52	14.23
745—	SFP-CH15	Chisel Cartridge, 30°	1.5mm (.06")	14.82	14.52	14.23
745—	SFP-CH20	Chisel Cartridge, 30°	2.0mm (.08")	14.82	14.52	14.23
745—	SFP-CH25	Chisel Cartridge, 30°	2.5mm (.10")	14.82	14.52	14.23
745—	SFP-CH50	Chisel Cartridge, 30°	5.0mm (.20")	14.82	14.52	14.23
745—	SFP-CHB15	Chisel, 30° Bent	1.5mm (.06")	20.52	20.11	19.71
745—	SFP-CHL20	Chisel, 60° Long Reach	2.0mm (.08")	20.52	20.11	19.71
745—	SFP-CN04	Conical Cartridge	0.4mm (.016")	14.82	14.52	14.23
745—	SFP-CN05	Conical Cartridge	0.5mm (.02")	20.52	20.11	19.71
745—	SFP-CNB04	Conical Cartridge, Bent	0.4mm (.016")	14.82	14.52	14.23
745—	SFP-CNB05	Conical Cartridge, Bent	0.5mm (.02")	14.82	14.52	14.23
745—	SFP-CNL04	Conical, Long Reach	0.4mm (.016")	14.82	14.52	14.23
745—	SFP-DRH05	Drag Soldering, Hoof	0.5mm (.02")	28.50	27.93	27.37
745—	SFP-DRH15	Drag Soldering, Hoof	1.5mm (.06")	28.50	27.93	27.37
745—	SFP-DRH35	Drag Soldering, Hoof	3.5mm (.14")	28.50	27.93	27.37
745—	SFP-DRK50	Drag Soldering, Knife	5.0mm (.20")	49.02	48.04	47.08
745—	TFP-BLP1	Tweezer Blade	1.0mm (.04")	62.70	61.45	60.22
745—	TFP-BLP2	Tweezer Blade	2.0mm (.08")	62.70	61.45	60.22
745—	TFP-CNP1	Tweezer Conical	0.4mm (.015")	62.70	61.45	60.22
745—	RFP-BL1	Blade Cartridge	10mm (0.4")	94.62	92.73	90.88
745—	RFP-BL2	Blade Cartridge	16mm (0.63")	94.62	92.73	90.88
745—	RFP-BL3	Blade Cartridge	22mm (0.87")	94.62	92.73	90.88
745—	TFP-BLH30	Tweezer Heavy Duty	2.0mm (0.08")	62.70	61.45	60.22
745—	TFP-BLH40	Tweezer Heavy Duty	6.35mm (.25")	79.80	78.20	76.64
745—	TFP-BLH50	Tweezer Heavy Duty	16mm (.62")	102.60	100.55	98.54
745—	TFP-BLH60	Tweezer Heavy Duty	20.5mm (.81")	102.60	100.55	98.54
745—	TFP-BLH70	Tweezer Heavy Duty	28mm (1.1")	102.60	100.55	98.54
745—	SFV-CH10	Chisel Cartridge, 30°	1.0 mm (.04")	11.40	11.17	10.95

Cartridge Packages

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	5	10
745—	RFP-DL1	Tunnel Cartridge SOIC-14, -16 Chip Pkg	47.60	46.65	45.72
745—	RFP-DL2	Tunnel Cartridge SOIC-8 Chip Package	47.60	46.65	45.72
745—	RFP-SL1	Slot Cartridge 0805 Chip Package	41.61	40.78	39.96
745—	RFP-SL2	Slot Cartridge 1206 Chip Package	41.61	40.78	39.96

WELLER® Soldering and Rework Stations

DIGITAL SOLDERING STATION AND ACCESSORIES

Quick heat up, fast recovery, and more reliable than ever. A new generation of digital electronically controlled soldering stations for fast efficient soldering.

NEW FROM SUPPLIER

WD1002 Station Includes WP80 Pencil

Specifications:
- 85 Watt
- 120V (input) / 24V (output)
- Temperature Range: 150°F to 850°F

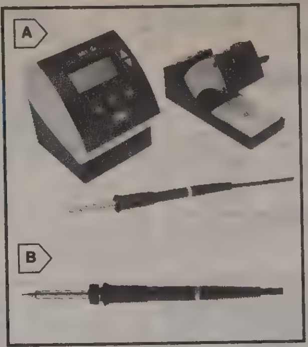
Features:
- UL Listed, ESD Safe
- Uses economical LT series tips

WP80 Features:

This powerful 80-watt iron allows rapid production when working with lead-free solder, high-mass components, and other demanding applications. A special silver heating element for low thermal loss and fast recovery make this unit ideal for continuous production work.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
578	WD1002	A	85W Digital Station	283.77
578	WP80	B	Soldering Pencil	117.05

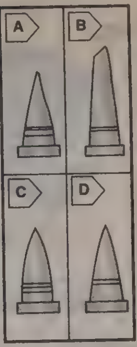


LT Series Tips for WP80 Iron

- Weller low-mass tip has a 10% faster recovery time
- Little temperature loss when making mass connections or fast soldering

For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig	Description	Price Each 1	10	20
578	LT-I	A	.25mm round	6.36	6.09	5.43
578	LT-IS	A	.2mm round	6.36	6.09	5.43
578	LT-AS	A	1.6mm round	6.36	6.09	5.43
578	LT-B	B	2.4mm chisel	6.36	6.09	5.43
578	LT-C	C	3.2mm chisel	6.36	6.09	5.43
578	LT-H	C	.8mm chisel	6.36	6.09	5.43
578	LT-CS	D	3.2mm round	6.36	6.09	5.43
578	LT-D	C	4.6mm chisel	6.36	6.09	5.43
578	LT-K	C	1.2mm chisel	6.36	6.09	5.43
578	LT-A	B	1.6mm chisel	6.36	6.09	5.43



MICRO REWORK STATION

Blazingly fast heat-up and ultra-fine, ultra-precise tips make this station the choice for soldering and rework on extremely close-packed boards.

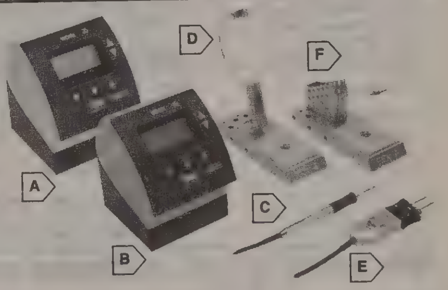
NEW FROM SUPPLIER

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
578	WD1000M	A	Single Channel Power Unit with Pencil and Stand	489.25
578	WD2000M	B	Dual Channel Power Unit with Pencil, Tweezers, and Stands	838.42
Replacement Parts for WD1000M				
578	WMRP	C	Chrome Plated Aluminum Pencil	108.75
578	WMRH	D	Stand	108.75
Replacement Parts for WD2000M				
578	WMRT	E	Micro Tweezers (80W, Cord Length 4 ft.)	259.56
578	WMRTH	F	Stand for Tweezers	71.69

Specifications:
- Voltage: 120V (input) / 24V (output)
- Temperature Range: 150°F to 850°F

Features:
- Heating element is built into the soldering tip for super-fast heat-up and recovery
- When placed in the stand, pencil has auto-off, or temperature setback capability for extended tip life
- Pencil uses RT tips
- Tweezer uses RTW tips

* WD1000M - 85 Watt
* WD2000M - 160 Watt

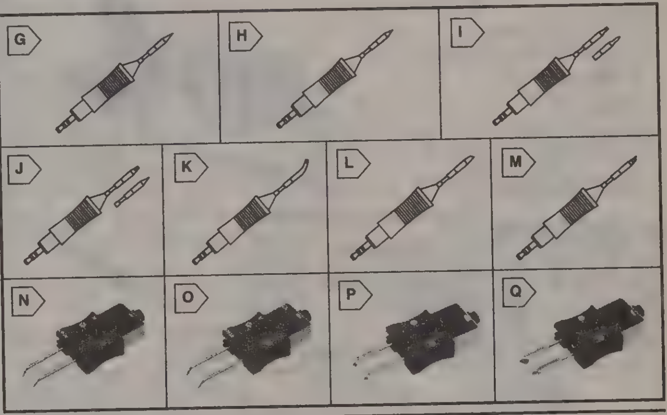


RT Series Tips for WMRP Pencil

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Width (mm)	Thickness (mm)	Reach (mm)	Price Each
578	RT1	G	Needle Tip	------	------	42	39.96
578	RT2	H	Fine Point Tip	------	.41	42	39.96
578	RT3	I	Chisel Tip	.41	1.3	42	39.96
578	RT4	J	Chisel Tip	.41	1.5	42	39.96
578	RT5	K	Bent Chisel Tip	.41	.79	42	39.96
578	RT6	L	Round Sloped Tip	-----	1.19	42	39.96
578	RT7	M	Knife Tip	-----	2.8	42	41.96

RTW Series Tips for WMRT Tweezers

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Width O.D (mm)	Thickness (mm)	Price Each
578	RTW1	N	Conical	0.20	------	63.00
578	RTW2	O	Conical	0.70	.38	63.00
578	RTW3	P	Blade	3.00	.71	75.00
578	RTW4	Q	Blade	5.99	.71	75.00



WES51 SOLDERING STATION

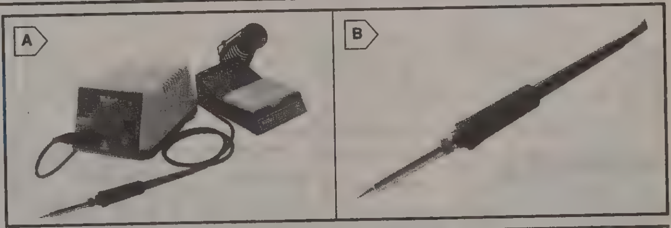
NEW FROM SUPPLIER

Features:
- Quick heat up and recovery
- Temperature lockout
- 50W of power
- ESD Safe
- UL listed

Specifications:
- Temperature Range: 350°-850°F
- Temperature Stability: ± 10°F

For quantities of 6 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each
578	WES51	A	50W Analog Station	128.34
578	PES51	B	Soldering Pencil	37.88



ET Series Tips for EC1201A, PES50, and PES51 Pencils

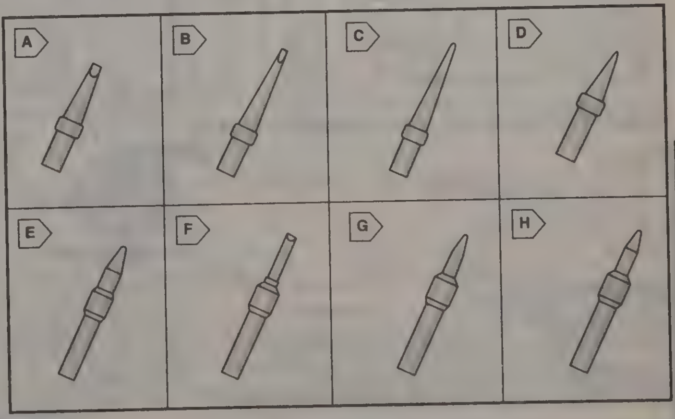
For quantities of 50 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Size (in.)	Reach (in.)	Price Each 1	10	20
578	ETA	A	Screwdriver Tip	.06	.62	5.83	4.86	4.26
578	ETB	A	Screwdriver Tip	.09	.62	6.18	5.91	5.25
578	ETC	A	Screwdriver Tip	.12	.62	6.18	5.91	5.25
578	ETD	A	Screwdriver Tip	.18	.75	6.18	5.91	5.25
578	ETH	A	Screwdriver Tip	.03	.62	6.18	5.91	5.25
578	ETK	B	Long Screwdriver Tip	.041	1.00	6.18	5.91	5.25
578	ETO	C	Long Conical Tip	.03	1.00	6.42	6.15	5.48
578	ETS	C	Long Conical Tip	.01	1.00	8.02	7.66	6.81
578	ETP	D	Conical Tip	.03	.62	6.18	5.91	5.25
578	ETR	B	Narrow Screwdriver Tip	.06	.62	6.18	5.91	5.25

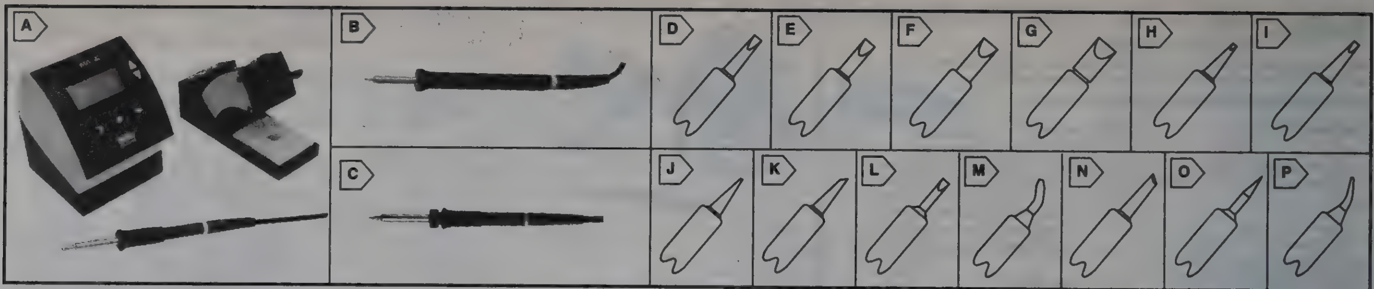
EPH Series Tips for EC1302B (20W) Pencil

For quantities of 50 and up, call for quote.

Mfr.	Mfr. Part No.	Fig.	Description	Size (in.)	Reach (in.)	1	10	20
578	EPH101	E	Micropoint Tip	.01	.43	5.83	5.64	5.16
578	EPH106	F	Screwdriver Tip	.06	.43	6.58	6.30	5.59
578	EPH109	G	Conical Tip	.03	.43	6.58	6.30	5.59
578	EPH110	H	Conical Tip	.06	.43	6.58	6.30	5.59



WELLER® Digital Soldering Stations



WD1001 DIGITAL SOLDERING STATIONS

Features:

- Heating element is in the tip
- Tip temperature is adjustable
- Super fast heat up
- Superior thermal recovery
- Non burnable silicone cord
- ESD safe

Specifications:

- Electrical: 120V(input) 24V(output)
- Temperature Range: 150°F-850°F
- Temperature Stability: ±9°F

∗ WP80 Soldering Pencil Uses LT Series Tips

WSL Digital Soldering Station with WMP Micro Soldering Pencil

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	6
578—WD1001		A	85W Digital Station	293.55	283.77

Soldering Pencils

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	6
578—WMP		B	65W Soldering Pencil	107.65	105.48
578—WP80		C	80W Soldering Pencil	120.56	116.67

NT Series Tips for WMP Pencil

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Size (in.)	Reach (in.)	Price Each	
Mfr.	Mfr. Part No.					1	10
578—NTA		D	Chisel	0.06	0.33	9.69	9.50
578—NTB		E	Chisel	0.09	0.29	9.69	9.50
578—NTC		F	Chisel	0.12	0.3	9.69	9.50
578—NTD		G	Chisel	0.15	0.3	16.15	15.85
578—NTH		H	Chisel	0.03	0.33	9.69	9.50
578—NTK		I	Chisel	0.04	0.33	9.69	9.50
578—NT1		J	Micro	0.01	0.29	9.69	9.50
578—NT4		K	Round	0.04	0.39	9.69	9.50
578—NT6		L	Chisel	0.06	0.37	9.69	9.50
578—NTAX		M	Bent Chisel	0.06	0.33	11.40	11.15
578—NTGW		N	Cylindrical	0.07	0.52	15.17	15.05
578—NT1S		O	Micro	0.01	0.33	9.69	9.50
578—NT1X		P	Bent Round	0.01	0.32	11.40	11.15

Weller WESD51 DIGITAL SOLDERING STATION

Features:

- Quick heat up and recovery
- Temperature lockout
- UL listed
- Microprocessor controlled with digital LED display
- ESD safe

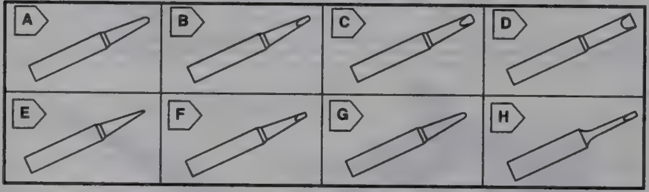
Specifications:

- Temperature Range: 300°F-850°F
- Temperature Stability: +/- 10°F
- Voltage 120V(input) 24V(output)

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
578—WESD51		A	50W Digital Station	160.39
578—PES51		B	Soldering Iron	37.88

Weller ST SERIES TIPS FOR WLC100 IRON



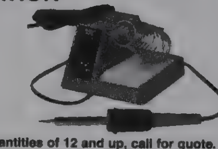
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Size (in.)	Reach (in.)	Price Each		
Mfr.	Mfr. Part No.					1	10	20
578—ST-1		A	Screwdriver tip	.06	.75	5.79	5.17	4.92
578—ST-2		B	Screwdriver tip	.09	.75	5.79	5.17	4.92
578—ST-3		C	Screwdriver tip	.12	.75	5.79	5.17	4.92
578—ST-4		D	Screwdriver tip	.18	.75	5.79	5.17	4.92
578—ST-5		E	Single flat tip	.03	.75	5.79	5.17	4.92
578—ST-6		F	Screwdriver tip	.03	.75	5.79	5.17	4.92
578—ST-7		G	Conical tip	.03	.75	5.79	5.17	4.92
578—ST-8		H	Narrow SD tip	.06	.75	5.79	5.17	4.92

Weller ECONOMICAL SOLDERING STATION

Features:

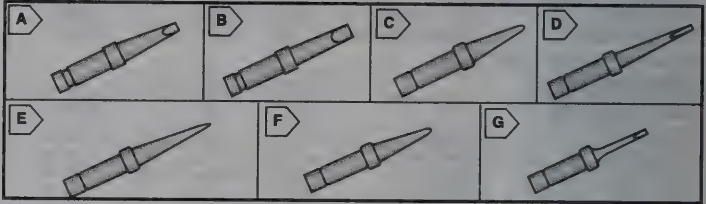
- On/off switch w/"power-on" indicator light
- Variable power control produces 5-40W
- Quality lightweight pencil iron
- Natural sponge tip cleaning pad
- ST3 iron plated copper tip
- UL listed



For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	6
578—WLC100		On/off switch, variable power control, lightweight pencil iron, and ST3 iron plated copper tip	54.25	52.80
578—SPG40		Replacement soldering iron	18.48	17.87
578—HE40		Replacement heater element (40W)	13.51	13.03

Weller WTCPT SOLDERING STATION AND TIPS



Features:

- Special "closed loop" method of controlling maximum tip temperature
- PT series soldering tips come in a variety of shapes and sizes in three temperature ranges

WTCPT Station with 42W Iron

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
578—WTCPT		WTCPT station / TC201T (42W) iron / PTA7 tip / stand	147.90

Replacement Parts (not illustrated)

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
578—TC201T		Soldering iron used with WTCPT station	77.66
578—SW60		Switch assembly for TC201T iron used with WTCPT station	28.15
578—EC234		Heater assembly for TC201T Iron used with WTCPT station	17.23
578—BA60		Barrel Nut assembly for TC201T Iron used with WTCPT station	6.20

PT Series Tips for TC201T (42W) Iron

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Size (in.)	Reach (in.)	Temp Rating	Price Each		
Mfr.	Mfr. Part No.						1	10	20
578—PTA6		A	Screwdriver tip	.06	.62	600°F	6.10	5.79	5.10
578—PTA7		A	Screwdriver tip	.06	.62	700°F	6.05	5.19	4.89
578—PTA8		A	Screwdriver tip	.06	.62	800°F	8.71	8.27	7.29
578—PTD7		B	Screwdriver tip	.18	.75	700°F	6.10	5.79	5.10
578—PTD8		B	Screwdriver tip	.18	.75	800°F	6.10	5.79	5.10
578—PTH7		C	Screwdriver tip	.03	.62	700°F	6.10	5.79	5.10
578—PTK7		D	Screwdriver tip	.04	1.00	700°F	6.10	5.79	5.10
578—PTO7		E	Long conical tip	.03	1.00	700°F	6.10	5.79	5.10
578—PTO8		E	Long conical tip	.03	1.00	800°F	6.10	5.79	5.10
578—PTP7		F	Conical tip	.03	.62	700°F	6.10	5.79	5.10
578—PTP8		F	Conical tip	.03	.62	800°F	6.46	6.15	5.45
578—PTR7		G	Narrow screwdriver	.06	.62	700°F	6.10	5.79	5.10
578—PTR8		G	Narrow screwdriver	.06	.62	800°F	6.10	5.79	5.10
578—PTS7		E	Long conical tip	.01	1.00	700°F	6.10	5.79	5.10
578—PTS8		E	Long conical tip	.01	1.00	800°F	6.10	5.79	5.10

WELLER® Desoldering Stations and Rework Stations

DIGITAL SHOP AIR DESOLDERING STATION

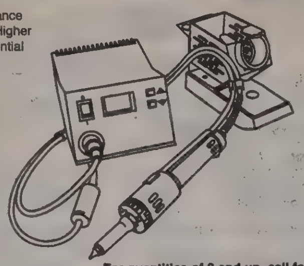
80 watts of power for faster heat up and better performance even on heavy ground planes and multi-layer boards. Higher power means less time spent on the PCB and less potential for damaging components.

Features:

- Vacuum delay feature
- Uses fast response shop air
- ESD Safe
- Programmable with WCB1

Applications:

Rework and repair through hole boards. Lead-free solder applications.



✱ Uses DX Series desoldering tiplets

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Includes:	Price Each	
Mfr.	Mfr. Part No.		1	5
578	WDD81X	Power unit, DXV80 in-line desoldering pencil, and AKV80 stand	642.72	597.40

DIGITAL SELF-CONTAINED DESOLDERING STATION

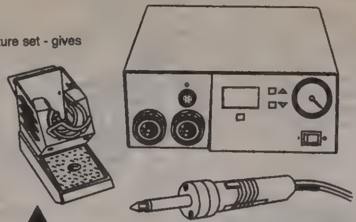
Digital process control for exact temperature set - gives you control over the process.

Features:

- Vacuum delay feature
- ESD Safe
- Programmable with WCB1

Applications:

Rework and repair through hole boards. Lead-free solder applications.



✱ Uses DX Series desoldering tiplets

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Includes:	Price Each	
Mfr.	Mfr. Part No.		1	5
578	WRS1002X	WRS1001 control unit, DXV80 in-line desoldering pencil with internal disposable solder collection tube and AKV80 stand	849.75	821.43

SELF-CONTAINED SOLDER/DESOLDERING STATIONS

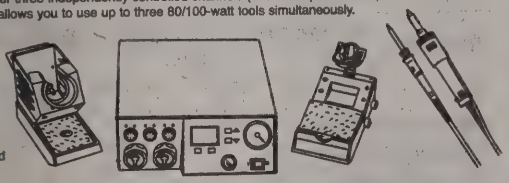
300 watts of total power over three independently controlled channels (100 watts per channel) plus air and vacuum ports allows you to use up to three 80/100-watt tools simultaneously.

Features:

- Vacuum delay feature
- Built in pump
- ESD Safe

Applications:

Rework and repair of mixed technology boards.



For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Discription	Price Each	
Mfr.	Mfr. Part No.		1	5
578	WRS3000VX	WRS3000 power unit, DXV80 in-line desoldering pencil, AKV80 stand and sponge, WSP80 soldering pencil, WPH80 stand, and sponge.	1365.78	1269.48

HOT AIR STATIONS

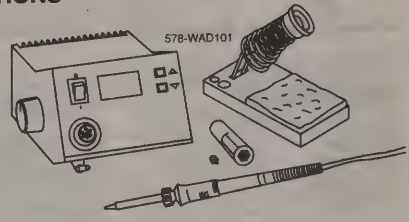
Features digital temperature control with easy to read LED display for fast and accurate temperature set of the hot air.

Features:

- Air flow is adjustable
- Compact design
- Programmable with WCB1

Applications:

Rework and repair of SMT boards. Sensitive applications requiring non-contact hot air. Some ground planes and multi-layer boards.



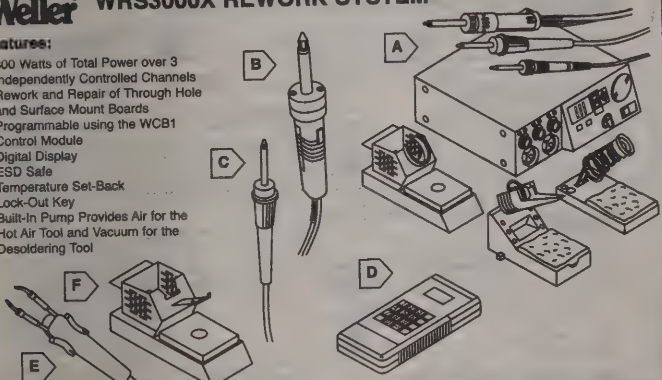
For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Discription	Price Each	
Mfr.	Mfr. Part No.		1	5
578	WAD101	Shop Air HAP1 hot air pencil, PH60 stand, & sponge	583.59	542.62
578	WRS1002	Self-contained HAP1 100 watt hot air pencil, PH60 standard sponge	897.12	867.22

WRS3000X REWORK SYSTEM

Features:

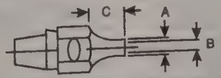
- 300 Watts of Total Power over 3 Independently Controlled Channels
- Rework and Repair of Through Hole and Surface Mount Boards
- Programmable using the WCB1 Control Module
- Digital Display
- ESD Safe
- Temperature Set-Back
- Lock-Out Key
- Built-In Pump Provides Air for the Hot Air Tool and Vacuum for the Desoldering Tool



For quantities of 2 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
578	WRS3000X	A	Rework System	1646.88
578	DXV80	B	Desoldering Pencil	185.40
578	HAP1	C	Hot Air Pencil	195.72
578	WCB1	D	Programming Module	159.00
578	WTA50	E	Thermal Tweezers	184.07
578	WTA50SET	F	Thermal Tweezers and AK51 Stand	204.37

DX Series Tips for DXV80 Iron



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Dimensions: (mm)			Price Each	
Mfr.	Mfr. Part No.	A	B	C	1	25
578	DX110	1.90	.70	23.00	14.91	14.10
578	DX111	2.50	.70	23.00	14.91	14.10
578	DX112	2.30	1.00	23.00	14.91	14.10
578	DX113	2.50	1.20	23.00	14.91	14.10
578	DX114	3.30	1.80	23.00	14.91	14.10
578	DX115	1.90	.70	23.00	14.91	14.10
578	DX116	2.70	1.20	29.00	14.91	14.10

WHA900 HOT AIR REWORK STATION

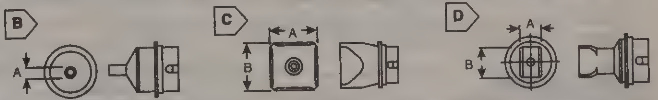
Economical, yet capable enough to handle most bench top rework jobs, this 650-watt self-contained hot air station has a compact design which maximizes workspace efficiency.

Features:

- Controlled output maintains set temp regardless of air flow setting.
- Temperature Range: 122°F-1022°F

Applications:

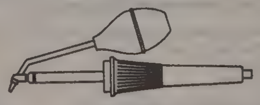
Weller nozzle technology safely removes QFPs, PGAs, and SMT bases.



MOUSER STOCK NO.		Fig.	Dimensions: (mm)		Price Each	
Mfr.	Mfr. Part No.		A	B	1	5
578	WHA900	A	-----	-----	509.85	475.86
Round Nozzle						
578	0058736870	B	7.00	-----	63.77	59.52
4-Sides Heated Nozzle						
578	0058736839	C	11.00	11.00	63.77	59.52
578	0058736814	C	18.00	18.00	63.77	59.52
578	0058736804	C	26.00	26.00	63.77	59.52
578	0058736833	C	32.00	32.00	79.97	74.63
2-Sides Heated Nozzle						
578	0058736842	D	10.00	14.00	62.23	58.07
578	0058736843	D	10.70	10.70	63.77	59.52

DS40 DESOLDERING / REPAIR TOOL

- Valuable repair tool for servicing printed circuit boards and solid state electronics
- Allows components to be removed and replaced quickly with less chance of heat damage
- Complete unit includes 50W tool, vacuum bulb, desoldering assembly with DST4 tiplet

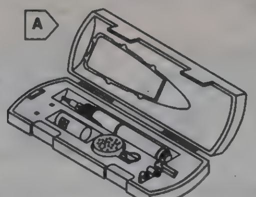


For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	6	12
578	DS40	Desoldering / repair tool	95.05	91.86	87.15

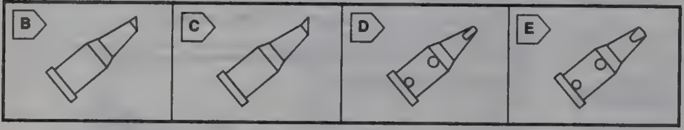
Weller PORTASOL® CORDLESS SOLDERING TOOL KIT

Features:
- Melt solder in under a minute
- Temperatures up to 850°F
- Up to 1 hour continuous use
- Standard butane refills



For quantities of 5 and up, call for quote.

MOUSER STOCK NO.		Fig.	Kit Includes:	Price Each	
Mfr.	Mfr. Part No.			1	4
578—	P2KC	A	P2C Portasol soldering tool, 5 tips, sponge, tray, case, and holder.	60.95	53.56

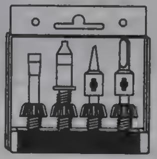


Portasol® Tips For P2C Iron

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	5	10
578—	PPT1	B	1/32" Single Flat Tip	8.32	8.15	7.98
578—	PPT2	C	3/32" Single Flat Tip	8.32	8.15	7.98
578—	PPT5	D	1/32" Double Flat Tip	8.32	8.15	7.98
578—	PPT6	E	3/32" Double Flat Tip	8.32	8.15	7.98

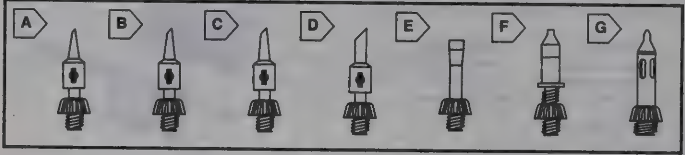
Portasol® Soldering Iron Tip Accessory Kit For P1C Iron



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Kit Includes:	Price Each		
Mfr.	Mfr. Part No.		1	5	10
578—	TB10	T1/T5/T6/T7 in durable case	38.58	37.29	35.66

Weller PORTASOL® TIPS FOR P1C IRON



- Temperature range: T-1 to T-4 tips up to 850°F (450°C), T-5 blow torch up to 2372°F (1300°C), T-6 hot blower and T-7 hot knife up to 850°F (450°C)

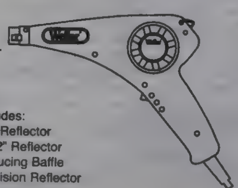
For quantities of 25 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	5	10
P-1 Portasol Tips						
578—	T1	A	1/32" fine point tip	10.47	10.12	9.44
578—	T2	B	3/32" spade tip	10.47	10.12	9.44
578—	T3	C	1/8" spade tip	10.47	10.12	9.44
578—	T4	D	3/16" spade tip	10.17	9.83	9.17
578—	T5	E	Blow torch tip	10.17	9.83	9.17
578—	T6	F	Hot blower tip	10.47	10.12	9.44
CIC Portasol Tips						
578—	C3	G	1/8" fine tip	9.27	8.96	8.22

Weller MODEL 6966C INDUSTRIAL HEAT GUN

Features:
- Designed for assembly and repair applications in production plants, laboratories and service shops
- ESD safe
- Approx. 750°F to 800°F hot air at nozzle
- 3 wire grounded plug, 6' cord
- 3 position switch
- Lightweight, 13 oz.
- UL Listed

Specifications:
- Electrical Rating: 120V, 250W, 60 Hz

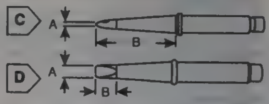


For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Price Each		
Mfr.	Mfr. Part No.	1	6	12
578—	6966C	139.96	134.98	125.09

Includes:
1/2" Reflector
1 1/2" Reflector
Reducing Baffle
Precision Reflector

Weller W60P AND W100PG SOLDERING IRONS & TIPS



- UL and cUL listed

W60P and W100PG Soldering Irons

For quantities of 10 and up, call for quote.

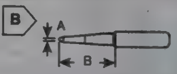
MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
578—	W60P	A	60W, 120V, 700°F with CT5A7 tip	73.45	70.17
578—	W100PG	B	100W, 120V, 700°F with CT6F7 tip	73.58	69.26

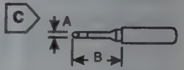
CT Series Tips For W60P and W100PG Irons

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size (A) (mm)	Reach (B) (mm)	Price Each		
Mfr.	Mfr. Part No.				1	10	20
Use with Iron W60P							
578—	CT5A7	C	1.58	29.36	7.32	7.00	6.24
578—	CT5C7	C	3.17	29.36	7.32	7.00	6.24
578—	CT5D7	C	4.74	29.36	7.32	7.00	6.24
Use with Iron W100PG							
578—	CT6C7	D	3.17	34.92	10.47	10.06	8.96
578—	CT6D7	D	4.74	34.92	10.47	10.06	8.96
578—	CT6E7	D	6.35	34.92	10.47	10.06	8.96
578—	CT6F7	D	9.52	34.92	10.47	10.06	8.96

Weller WM120 THIN SOLDERING IRON AND TIPS





WM120 Soldering Iron

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
578—	WM120	A	12W, 120V, 800°F with MP tips	41.58	39.91

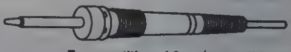
MP Series Tips for WM120 Iron

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size (A) (mm)	Reach (B) (mm)	Price Each		
Mfr.	Mfr. Part No.				1	10	20
578—	MP131	B	.39	11.09	7.34	6.91	6.49
578—	MP133	C	.79	11.09	7.34	6.91	6.49

Weller ESD SAFE SOLDERING IRONS

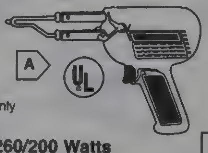
- ESD safe to protect sensitive components
- For use with any Weller EC or Silver Series soldering station, or any WRS rework station.

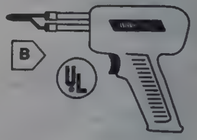


For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
578—	EC1201A	General purpose iron, 40W, ETA tip	109.55
578—	EC1302B	Micro iron, 20W, EPH101 tip	109.55

Weller SOLDERING GUNS





- 120V 60Hz AC only
- 2-wire cord

Model D550 260/200 Watts

D
Plated
Copper

- High output
- Pistol-grip design
- Twin lights illuminate work
- Heavy gauge, high-efficiency copper tip

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	6	12
578—	D550	A	Trigger selection of heats	52.19	50.44	47.24

Model 8200 140/100 Watts

- High efficiency soldering tip of pure pre-tinned copper
- Pistol-grip design
- "Soldering Tips" booklet included

For quantities of 24 and up, call for quote.

578—	8200	B	Finger tip selection; high/low output	38.41	37.11	35.10

Replacement Tips

- Tip material: tin plated copper

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	For Model #	Package Contains	Price Each		
Mfr.	Mfr. Part No.				1	6	12
578—	7135	C	8200/9200K	2 tips	4.47	4.30	4.08
578—	7250	C	D550	2 tips	4.47	4.30	4.08
578—	8125	D	8200	2 tips	4.47	4.30	4.08

Replacement Housing Sets

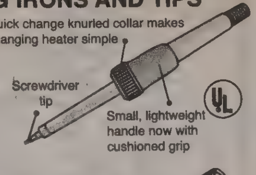
For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	6	12
578—	8200RH	For 578-8200 soldering gun	12.70	12.26	11.32

Soldering Irons, Tools, and Accessories

Weller WP25 AND WP35 SOLDERING IRONS AND TIPS

WP25 and WP35 Soldering Irons

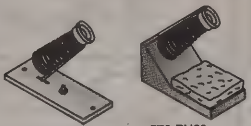

Quick change knurled collar makes changing heater simple
Screwdriver tip
Small, lightweight handle now with cushioned grip

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Description	Price Each	
			1	6
578-WP25	WP25	25W iron w/ST-3 tip	37.07	35.82
578-WP35	WP35	35W iron w/ST-3 tip	46.68	45.10

Soldering Tool Stands

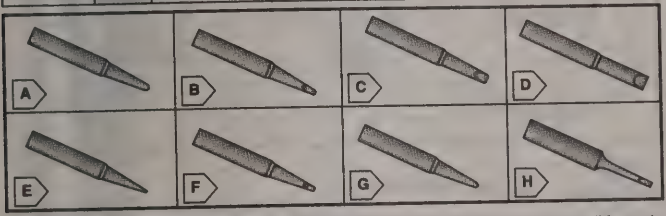
578-PH25	PH25	For WP25/WP40 iron	19.16	18.51
578-PH60	PH60	For WP35 iron	23.05	22.26



578-PH25 578-PH60

Replacement Heaters Includes knurled collar only

578-HE25	HE25	25W for WP25 iron	19.78	19.10
578-HE35	HE35	35W for WP35 iron	24.56	23.73
578-KN60	KN60	Knurled tip nut	2.94	2.79

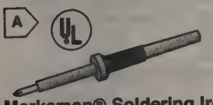


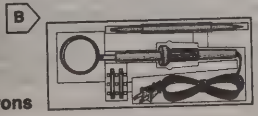
ST Series Tips For WP25P and WP35P Irons

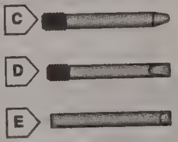
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Size (in.)	Reach (in.)	Price Each		
						1	10	20
578-ST-1	ST-1	A	Screwdriver tip	.06	.75	5.79	5.17	4.92
578-ST-2	ST-2	B	Screwdriver tip	.09	.75	5.79	5.17	4.92
578-ST-3	ST-3	C	Screwdriver tip	.12	.75	5.79	5.17	4.92
578-ST-4	ST-4	D	Screwdriver tip	.18	.75	5.79	5.17	4.92
578-ST-5	ST-5	E	Single flat tip	.03	.75	5.79	5.17	4.92
578-ST-6	ST-6	F	Screwdriver tip	.03	.75	5.79	5.17	4.92
578-ST-7	ST-7	G	Conical tip	.03	.75	5.79	5.17	4.92
578-ST-8	ST-8	H	Narrow SD tip	.06	.75	5.79	5.17	4.92

Weller MARKSMAN® SOLDERING IRONS AND TIPS







Marksman® Soldering Irons

* Kit includes: SP23L iron, MT1, MT2, MT3 1/8" ø3mm pre-tinned tips of nickel-plated copper, lead free solder, and soldering aid tool

For quantities of 24 and up, call for quote.

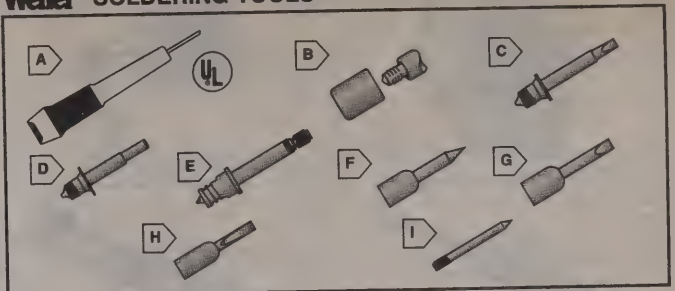
MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price Each		
				1	6	12
578-SP23L	SP23L	A	25W iron w/ .125" pencil tip	13.84	13.36	12.33
578-SP40L	SP40L	A	40W iron w/ .250" chisel tip	18.50	17.87	16.73
578-SP80L	SP80L	A	80W iron w/ .375" chisel tip	31.73	30.73	29.75
*578-SP23LK	SP23LK	B	General duty soldering kit	19.34	18.68	17.26

MT Series Tips For Marksman® Irons

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price (2 Per Pkg)		
				1	6	12
578-MT-1	MT-1	C	SP23 .125" cone tip	4.04	3.90	3.67
578-MT-2	MT-2	D	SP23 .125" screwdriver tip	4.04	3.90	3.67
578-MT-10	MT-10	E	SP40 .25" chisel tip	7.37	7.11	6.72
578-MTG20	MTG-20	E	SP80 .375" chisel tip (1)	8.11	7.64	7.30

Weller SOLDERING TOOLS



Standard Line Handles

Provides choice of handles and a selection of interchangeable heating elements and tips for combinations to match particular soldering requirements.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price Each	
				1	10
578-7760	7760	A	Red; 6', 2-wire cord with cool, soft	14.76	14.24
578-7770	7770	A	Blue; touch acid and flux resistant grips	14.71	14.25

Adapter (Fits 1/4" Thread-On Heating Elements)

For quantities of 20 and up, call for quote.

578-100	100UG	B	Adapts to 1/8" thread-in tiplets and nibs	5.83	5.62

Heating Elements and Tips for Standard Line Handles

- Chisel tip, long taper • Tip Temp.: 100

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Rated		Description	Price Each	
			(W)	(V)		1	10
578-4033-S	4033-S	C	45	120	Tellurium copper, iron clad, silver pltd.	28.36	27.41

Interchangeable 1/8" thread-in heating elements for standard line handles

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Rated		Tip Temp.	Description	Price Each	
			(W)	(V)			1	10
578-535-S	535-S	D	23	120	700	Heaters for 1/8" thread-in tips	21.83	21.09
578-1235-S	1235-S	D	33	120	800	Heaters for 1/8" thread-in tips	21.83	21.09
578-4035-S	4035-S	D	45	120	900	Heaters for 1/8" thread-in tips	24.56	23.73

Interchangeable 1/4" thread-on heating elements for standard line handles

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Rated		Tip Temp.	Description	Price Each	
			(W)	(V)			1	10
578-537-S	537-S	E	23	120	700	Heaters for 1/4" thread-on tips	19.43	18.77
578-1237-S	1237-S	E	33	120	800	Heaters for 1/4" thread-on tips	22.09	21.37
578-4037-S	4037-S	E	45	120	900	Heaters for 1/4" thread-on tips	23.32	21.80

1/4" Thread-On Tips

For use on thread-on heating elements with standard line handles and soldering system UTC-100 (copper alloy, iron clad, silver plated)

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price Each	
				1	10
578-PL-111	PL-111	F	Pencil; 3/4" long, 1/8" dia.	5.65	5.46
578-PL-113	PL-113	G	Chisel; 3/4" long, 1/8" dia.	5.39	5.21
578-PL-151	PL-151	H	Screwdriver; 3/4" long, 1/8" dia.	5.73	5.54

1/8" Thread-In Tips

For use with the 1/8" standard line thread-in heating elements and fits 1/4" by using adapter no. 578-100 (Fig. B)

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Description	Price Each	
				1	10
578-PL-331	PL-331	I	Pencil 1" (L) x 1/8" (D)	4.54	4.37

Weller REPLACEMENT SPONGE

For all soldering stations and 578-PH60 stand

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Price Each	
		1	10
578-EC205	EC205	1.76	1.69

SOLDERING LUBRICANT

- Special lubricant for tip threads at high temperatures
- Reduces tip thread seizure

Anti-Seize

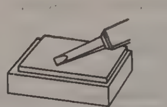
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	GC/Waldom Part No.	Size	Price Each	
			1	10
524-10-1230	10-1230	1oz. tube	5.53	4.98

Weller SOLDERING AIDS

Kleen-Tip

Sponge and tray



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Price Each	
		1	10
578-400	400	8.85	8.54

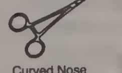
Replacement Sponge

578-455	455	2.97	2.42

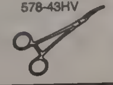
A specially processed sponge for cleaning tips of oxidation and prevents contamination.

Xcelite SEIZER CLAMPS

Straight Nose 578-42HV



Curved Nose 578-43HV



Seizers are 6", have 3-position snap lock, serrated jaws, & box-joint construction. Precision machined from perfectly tempered stainless steel.

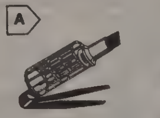
For quantities of 12 and up, call for quote.

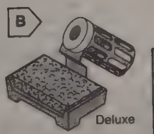
MOUSER STOCK NO.	Xcelite Part No.	Price Each	
		1	6
578-42HV	42HV	6.98	6.73
578-43HV	43HV	6.98	6.73

Weller SOLDERING TOOL STANDS

578-8000 Features:
- Attaches easily to work bench
- Protects operator from burns
- Prevents iron breakage

578-9800 Features:
- Iron holder with stay cool ceramic mouthpiece, cast metal tray



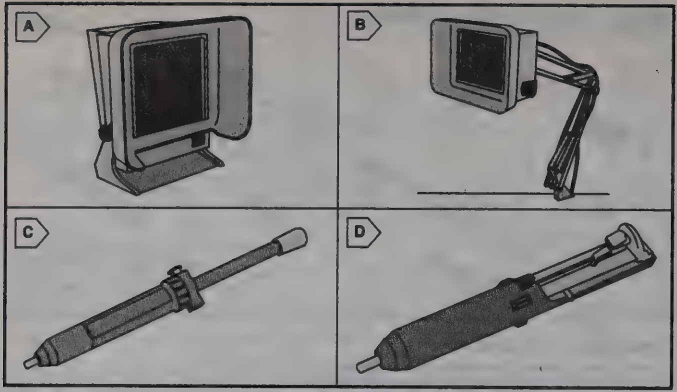


Deluxe

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Weller Part No.	Fig.	Price Each	
			1	10
578-8000	8000	A	17.35	16.75
578-9800	9800	B	27.21	24.46

Fume Absorbers, Desoldering Pumps, and Soldering Pots



BENCHTOP FUME ABSORBERS SA-9 SERIES

- Aerodynamic hood design effectively draws irritating soldering fumes away from the work area.
- Carbon-impregnated filters trap a limited portion of the flux fumes.
- Compact size, low profile and adjustable stand allows convenient placement 6" to 8" (152 to 203mm) from work area.
- SA-9 Series System includes: Fume Absorber and 3 Filters
- Input Voltage: 115V AC

MOUSER STOCK NO.	OK Industries Part No.	Fig.	Description	Price Each
801-SA-9-115	SA-9-115	A	Benchtop Fume Absorber	105.98
801-SA-9-E-115	SA-9-E-115	A	ESD Safe Benchtop Fume Absorber	153.63

FUME ABSORBERS WITH ARTICULATING ARM - SA-90 SERIES

- Articulating arm allows optimized positioning and saves bench space.
- Bench mounting clamp and 3 filters come complete with unit.
- ESD-Safe version available with static-dissipative housing.
- SA-90 Series System includes: Fume Absorber, Articulating arm, Mounting Bracket and 3 Filters.

801-SA-91	SA-91	B	Fume Absorber w/Articulating Arm	225.00
801-SA-91-E	SA-91-E	B	ESD Safe Fume Absorber w/arm	250.00
801-SAF-1	SAF-1	B	Replacement Filters, 3 pcs.	20.67

HIGH VACUUM DESOLDERING PUMP

A specially engineered desolder pump made to high specifications and providing precise repeatable operation. Fitted with a Teflon Tip.

- Precision metal plunger
- Corrosion treated springs
- Insulated Vacuum pulse
- Regulated return (1 millisecond ±30%)
- Durable Corrosion Resistant
- Plastic construction
- Cushioned Shock Reduction
- Uniform reset pressure (11in. Lbs ±20%)

801-DP-100	DP-100	C	High Vacuum Desoldering Pump	20.80
801-DP-200	DP-200	C	ESD Safe, High Vac Desoldering Pump	25.71

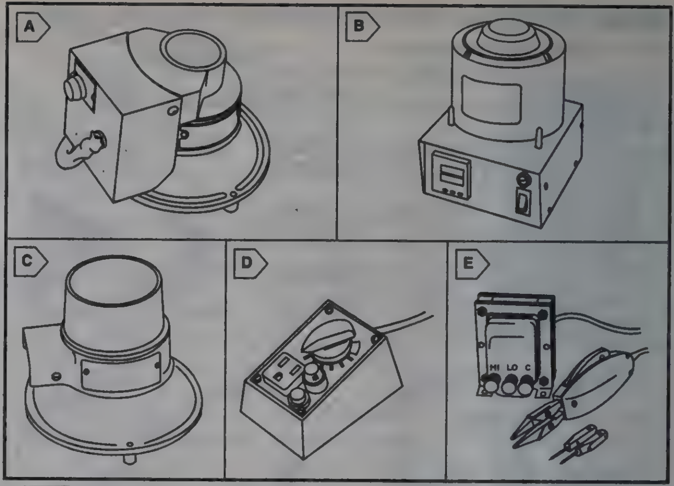
DESOLDERING PUMP

- Precision regulated return
- Replaceable Tip
- Precision metal plunger
- Sealed Vacuum chamber
- Compact, anti-corrosive plastic housing
- Easy cleaning

801-DP-140	DP-140	D	Desoldering Pump	12.76

ACCESSORIES

801-DPT-100	DPT-100	- - -	Replacement Tip for DP-100/140	3.52
801-DPT-200	DPT-200	- - -	Replacement Tip for DP-200	5.43



SOLDERING POTS

Production proven solder pots for tinning, stripping, dip soldering, and other applications. They are designed and engineered for today's continuous production requirements. The cast iron cubicles are designed for operator convenience, comfort, and high volume production. ETI solder pots are available in 120 and 240 volts. Special wattages can be supplied. All solder pots are supplied with a three conductor cordset.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Model	Watts	Max Temp.	Solder Capacity	Price Each	
Mfr.	Mfr. Part No.						1	5
554	P120020	A	12T	250	650	.75 lb.	189.45	164.47
554	PD24	B	PD24	250	1100	1.25 lbs	864.72	752.35
554	P3600	C	36	250	750	2.250 lbs.	107.49	93.43

TEMPERATURE CONTROL UNIT

This control provides manual adjustment of soldering iron tip temperature or solder pot temperature, with automatic correction for voltage fluctuations. ESICONTROL provides close control- up to 75% of full wattage of the heating element. It permits operation, without control, at 100% of full wattage. The ESICONTROL will handle any 120 volt AC heater load to 840 watts. Control is fused and has a pilot light to indicate cycling.

Can be used with any standard soldering pot that is not thermostatically controlled.

For quantities of 6 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
554	S5360	D	Type EC-6 Temp Control Unit	79.71	69.34

PTH RESISTANCE SOLDERING TOOL

The PTH stands for "Press To Heat" and means just that. This lightweight hand-held electrical resistance soldering tool uses its pliers' action to supply instant heat, making jobs easier, quicker, and cleaner than the traditional irons. When heating on High, the tool will draw up to 30 amps at no load resistance. The engineered carbon electrodes are standard, but alternative wire electrode tips are available to reach those tight places.

For quantities of 6 and up, call for quote.

554—R23801	E	Model JLA Soldering Tool	147.00	139.65

PLATO SOLDER POTS

General Purpose Pots

Plato General Purpose Solder Pots control temperature ±11°F (± 6°C) through the use of a thermal timer switch with automatic correction for voltage fluctuations.

Features:

- A three index position control switch with infinitely variable temperature control
- Safety heat shield
- Removable dross tray for easy cleaning
- Three-wire, grounded UL listed cord
- 2.5" (64mm) diameter by 1.5" (38mm) deep crucible
- Adjustable leveling feet
- Capacity: 2.0 lbs. (1 kg)
- Shipping Weight: 11 lbs. (5 kg)

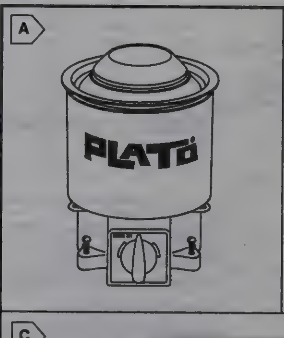
MOUSER STOCK NO.	Plato Part No.	Fig.	Input	Wattage	Temperature Range	Price Each
577-SP-101	SP-101	A	120VAC	350	500° to 975°F (525°C)	337.27
577-SP-301	SP-301	A	120VAC	500	500° to 1100°F (595°C)	348.51

Precision Solder Pots

Features:

- A new solid state controller that limits transient voltage spiking to 2mV peak-to-peak, or less, for voltage sensitive components
- A temperature preset switch to select the desired temperature
- An LCD that displays present temperature and operating temperature
- Internal circuitry to compensate for incoming power fluctuations, power line circuit breaker
- All metal construction for ESD protection
- Safety heat shield
- Removable dross tray for easy cleaning
- Three-wire, grounded UL listed cord
- Adjustable leveling feet

577-SP-500T	SP500T	B	120VAC	350	Ambient to 925°F (496°C)	1150.76
577-SP-600T	SP600T	C	120VAC	1,000	Ambient to 750°F (399°C)	2319.44



SP-500T Additional Features:

- 2.5" (64mm) diameter by 1.5" (38mm) deep crucible
- Capacity: 2.0 lbs. (1 kg)
- Shipping Weight: 12 lbs. (5.4 kg)

SP-600T Additional Features:

- Large capacity crucible, 4" (102mm) by 6" (152mm) by 4" (102mm) deep
- Safety warm-up crucible cover
- An output jack for external temperature recorder or data logger
- Capacity: 32 lbs. (14 kg)
- Shipping Weight: 45 lbs. (20 kg)

PLATO Replacement Soldering Tips, Soldering Products, & Dispensers

PLATO LEAD-FREE REPLACEMENT SOLDERING TIPS

- Top Quality
- Long Life
- Fast Heat Recovery
- Competitively Priced

LEAD-FREE

Replacements for Hakko® Soldering Stations

MOUSER STOCK NO.		Fig.	Description	Dimensions: in.		Price Each
Mfr.	Mfr. Part No.			A	B	
577—	HS-0927	A	Soldering Tip, Replaces Hakko® 900M-T-K	3/16	1/4	7.28
577—	HS-2751	B	Soldering Tip, Replaces Hakko® 900M-T-1.6D	1/16	- - -	4.86
577—	HS-2752	B	Soldering Tip, Replaces Hakko® 900M-T-2.4D	3/32	- - -	4.86
577—	HS-2753	B	Soldering Tip, Replaces Hakko® 900M-T-3.2D	1/8	- - -	4.86
577—	HS-2796	C	Soldering Tip, Replaces Hakko® 900M-T-1.2D	3/64	- - -	4.86
577—	HS-2863	B	Soldering Tip, Replaces Hakko® 900M-T-0.8D	1/32	- - -	5.62
577—	HS-4785	C	Soldering Tip, Replaces Hakko® 900M-T-B	1/25	1/4	4.86
577—	HS-4786	D	Soldering Tip, Replaces Hakko® 900M-T-LB	1/64	- - -	5.47
577—	HS-4787	E	Soldering Tip, Replaces Hakko® 900M-T-I	1/64	- - -	5.47
577—	HS-5701	F	Soldering Tip, Replaces Hakko® 900M-T-1C	3/64	- - -	4.86

Replacements for Hexacon® Soldering Stations

577—	CH-3489	G	Soldering Tip, Replaces Hexacon® J301X	1/16	- - -	7.62
577—	CH-3551	H	Soldering Tip, Replaces Hexacon® J102X	3/16	- - -	7.62
577—	CH-4299	I	Soldering Tip, Replaces Hexacon® J917X	1/32	- - -	7.62
577—	CH-4427	J	Soldering Tip, Replaces Hexacon® J915X	1/32	- - -	7.62
577—	44-706	K	Soldering Tip, Replaces Hexacon® HT586	1/8	- - -	8.68

Replacements for Pace® Soldering Stations

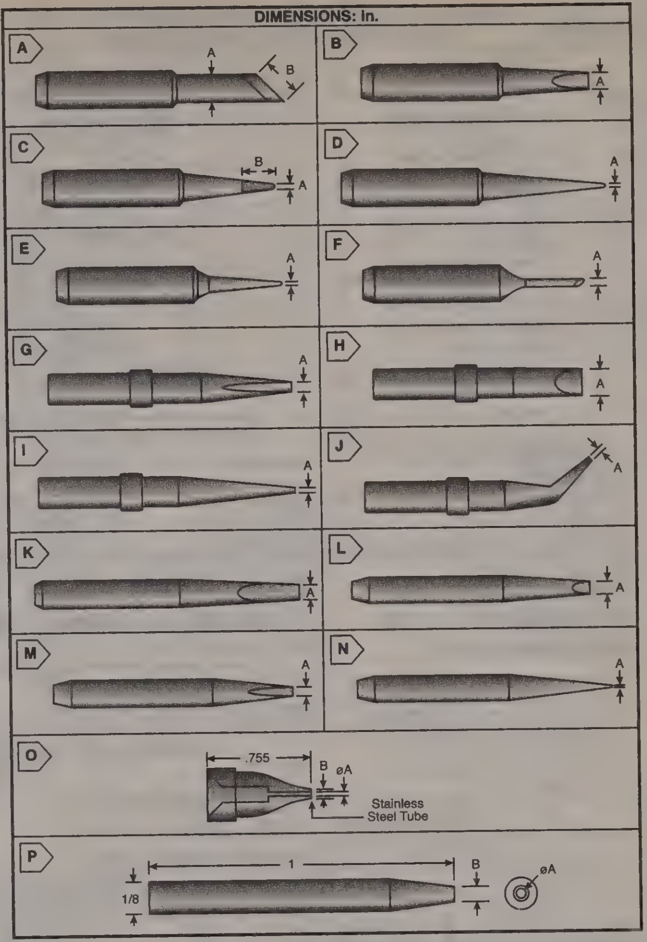
577—	33-1144	L	Soldering Tip, Replace Pace® 1121-0359	1/32	- - -	5.10
577—	33-6055	L	Soldering Tip, Replace Pace® 1121-0335	1/16	- - -	5.10
577—	33-6057	L	Soldering Tip, Replace Pace® 1121-0360	3/32	- - -	5.10
577—	33-6058	L	Soldering Tip, Replace Pace® 1121-0337	1/8	- - -	5.10
577—	33-6056	M	Soldering Tip, Replace Pace® 1121-0414	1/16	- - -	5.10
577—	33-8141	N	Soldering Tip, Replace Pace® 1121-0357	1/64	- - -	5.10
577—	33-8142	N	Soldering Tip, Replace Pace® 1121-0336	1/32	- - -	5.10

Replacements for Hakko® Desoldering Stations

577—	HK-0878	O	Desoldering Tip, Replaces Hakko® A-1002	3/100	7/100	15.00
577—	HK-0879	O	Desoldering Tip, Replaces Hakko® A-1003	1/25	2/25	15.00
577—	HK-0881	O	Desoldering Tip, Replaces Hakko® A-1005	1/25	1/10	15.00
577—	HK-0882	O	Desoldering Tip, Replaces Hakko® A-1006	1/20	3/25	15.00
577—	HK-0883	O	Desoldering Tip, Replaces Hakko® A-1007	3/50	3/25	15.00

Replacements for Pace® Desoldering Stations

577—	20-0110	P	Desoldering Tip, Replaces Pace® 1121-0479	1/25	2/25	2.45
577—	20-0111	P	Desoldering Tip, Replaces Pace® 1121-0217	3/50	1/10	2.45
577—	20-0113	P	Desoldering Tip, Replaces Pace® 1121-0216	1/20	9/100	2.45



PLATO TIP CARE

Tip Tin

Plato's LEAD FREE Tip Tinner TT-95 is a fast, efficient, and safe means of re-tinning tips. This thermally-stable compound is residue free and ESD and environmentally safe. A well tinned soldering tip improves operator performance and satisfaction. Plato's Tip-Tin provides improved cleaning and re-tinning of highly oxidized soldering iron tips safely and efficiently.

- Lead Free
- ESD Safe
- Easy to Use
- Fast Response
- Environmentally Safe
- Residue Free

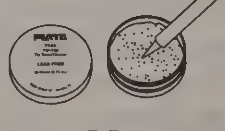
Tip Polishing Bar

The inexpensive Plato® Polishing Bar restores detinned tips for additional service. Normally, detinned tips (those unable to hold solder) are discarded. If the tips are not pitted or worn, buffing with the Plato® Polishing Bar will clean the tips and restore new life.

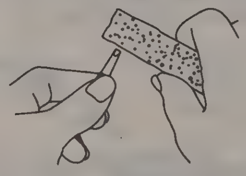
Desoldering Tip Cleaning Tool

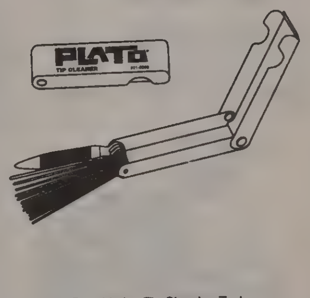
This handy maintenance tool is used to remove unwanted solder and flux "build-up" from desoldering tip ID'S and from solder collector paths. Just select the proper diameter rod from the Plato® tool and push out any unwanted loose particles or solder from the desolder tip or collector path. Proper daily maintenance of all desoldering equipment minimizes premature tip clogging and will ensure improved performance.

MOUSER STOCK NO.	Plato Part No.	Description	Price Each
577-TT-95	TT95	Lead-Free Tip Tinner/Cleaner	5.43
577-AB-3	AB-3	Tip Polishing Bar	13.99
577-01-5000	01-5000	Desoldering Tip Cleaning Tool	7.71



Tip Tin


Tip Polishing Bar

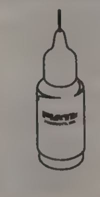


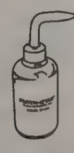
Desoldering Tip Cleaning Tool

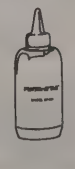
PLATO LIQUID DISPENSERS AND SLEEVES

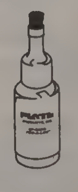
PLATO®-STAT Permanently Static Dissipative Solvent Dispensers and Sleeves

- Protects voltage sensitive devices from static discharge
- Meets the requirements of DOD-STD-1686 for containers
- Physical characteristics comply with MIL-B-81705, Type 2
- Made of permanently static dissipative plastic material.


Dispenser


Bottle and Nozzle


Bottle and Spout


Scrub Brush Bottle

MOUSER STOCK NO.	Plato Part No.	Description	Price Each
577-SF-4	SF-4	Solvent Dispenser Sleeve, 4oz	3.48
577-SF-6	SF-6	Solvent Dispenser Sleeve, 6oz	3.48
577-SF-8	SF-8	Solvent Dispenser Sleeve, 8oz	3.48
577-SF-01	SF-01	Dispenser, 2oz. (59ml) with .010 capillary	7.46
577-SF-02	SF-02	Dispenser, 2oz. (59ml) with .020 capillary	7.46
577-SF-401	SF-401	Bottle and Spout, 4oz	7.59
577-SF-801	SF-801	Bottle and Spout, 8oz	7.70
577-SF-1601	SF-1601	Bottle and Spout, 16oz	10.86
577-SF-250	SF-250	Bottle and Nozzle, 8oz	11.57
577-SF-B2HS	SF-B2HS	Scrub brush for spot cleaning, 2oz (horse hair)	14.68
577-SF-B2HH	SF-B2HH	Scrub brush for spot cleaning, 2oz (hog bristle)	14.68

Soldering Tools and Accessories

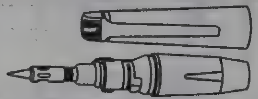
WAHL® ELECTRONICS ISO-TIP SOLDER-PRO SERIES BUTANE POWERED SOLDERING IRONS

- Complete portability
- Convenient refills
- Multi-tool versatility

A

Solder-Pro 50 Features:

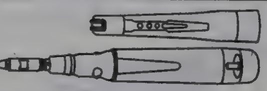
- Cap with igniter
- Up to 30 minute run time
- Soldering temperatures: 410°F-750°F



B

Solder-Pro 70 Features:

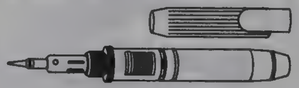
- Cap with igniter
- Up to 120 minute run time
- Soldering temperatures: 410°F-850°F



C

Solder-Pro 120 Features:

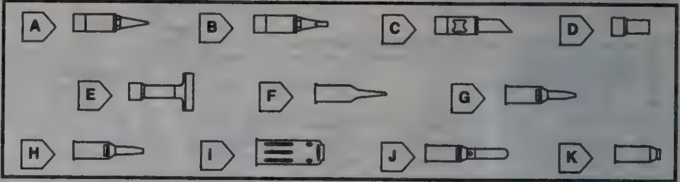
- Automatic ignition
- Up to 200 minute run time
- Soldering temperatures: 410°F-1000°F
- Torch temperature: 2400°F



For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
557-7971	A	Solder-Pro 50 No. 7971	25.50
557-7974	B	Solder-Pro 70 No. 7974	38.25
557-7977	C	Solder-Pro 120 No. 7977	61.07

WAHL® ELECTRONICS ISO-TIP TIPS FOR SOLDER-PRO SERIES



Tips for Solder-Pro 50 and 70 Series

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
557-7992	A	1mm conical tip	9.95	9.52
557-7992-001	B	2mm chisel tip	9.95	9.52
557-7992-002	C	Hot knife tip	9.95	9.52
557-7992-003	D	Torch tip	9.95	9.52
557-7992-004	E	Heat blower and deflector	9.95	9.52

Tips for Solder-Pro 120 Series

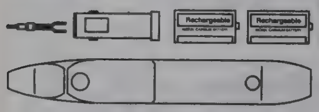
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each 1	Price Each 5
557-7992-005	F	1.6mm conical tip	9.95	9.52
557-7992-006	G	2.4mm conical tip	10.10	9.67
557-7992-007	H	3.2mm chisel tip	9.95	9.52
557-7992-008	I	Torch tip	10.11	9.67
557-7992-009	J	Hot knife tip	10.11	9.67
557-7992-101	K	Heat blower	9.95	9.52

WAHL® ELECTRONICS ISO-TIP 7670

EZ CHANGE CORDLESS SOLDERING IRON

The versatile EZ Change cordless soldering iron gives you extended soldering times (with a spare set of batteries); up to 125 electronics joints per charge. Includes industrial quality EZ charge iron, #7545 fine tip, (2) 400mAh (size C) rechargeable nickel cadmium batteries, tip protector, and instructions. (Optional battery charger sold separately.)



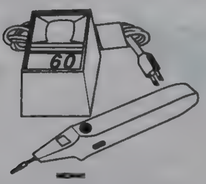
For quantities of 5 and up, call for quote.

557-7670	29.95

WAHL® ELECTRONICS ISO-TIP 7800

ISO TIP "60" CORDLESS SOLDERING IRON

Fastest charging cordless soldering iron on the market. Solders up to 125 electronic joints per charge. Recharges fully in 1 hour. Cordless soldering iron, recharging stand with wall plug transformer, #7577 tip, #7545 tip, and instructions.



For quantities of 5 and up, call for quote.

557-7800	68.25

WAHL® ELECTRONICS ISO-TIP 7700

CORDLESS SOLDERING IRON

Recharges completely in 3 to 4 1/2 hours. A partially discharged battery returns to full capacity in 1 to 2 hours. NiCd battery withstands high-rate charging without damage. Fully charged unit can make up to 125 electronic joints per charge. Recharging stand with wall plug transformer, #7545 tip, #7546 tip, & instructions.

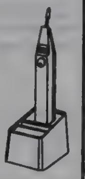
For quantities of 5 and up, call for quote.

557-7700	50.95

7904 "POWER PRO" CORDLESS SOLDERING IRONS

High capacity cordless soldering iron using high efficiency tips, provides up to 30 minutes of continuous soldering time from a fully charged iron or intermittently over 200 solder joints.

- Complete recharge in 4 hours
- LED in recharge stand to indicate charging status
- Tip performance up to 900°F
- Easily replaceable battery and worklight

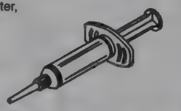


For quantities of 5 and up, call for quote.

557-7904	71.28

WAHL® ELECTRONICS ISO-TIP SOLDER-IT SILVER BEARING SOLDER PASTE

- Works with a match, lighter, soldering iron or torch
- 5 times stronger than conventional solder
- Superior electrical conductivity
- Solders all metals



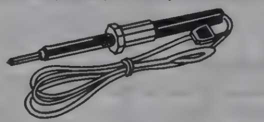
For quantities 24 and up, call for quote.

MOUSER STOCK NO.		Price Each	
Mfr.	Mfr. Part Number	1	12
557—7459		5.03	4.29

eagle plastic devices PENCIL TYPE SOLDERING IRON

For continuous use by industry and hobbyist. Balanced handle

- 120VAC
- 5/32" dia. tip
- 5 1/2 foot cord
- Replaceable tip
- Light weight



For quantities of 5 and up, call for quote.

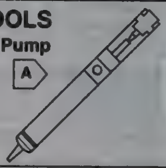
MOUSER STOCK NO.	Description	Price Each
381-7394	35W solder iron	5.49
381-7396	Replacement tip	.89

eagle plastic devices DESOLDERING TOOLS

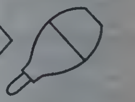
Anti-Static Desoldering Pump

- Rugged all-aluminum body
- Anti-static tip
- Disassembles easily for cleaning
- Dimensions: 7 5/8" (L) x 3/4" (Dia.)
- Replacement tip 384-1001

A

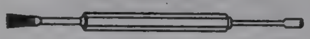


B

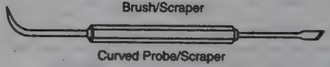


MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
384-1000	A	Anti-static desoldering pump	5.99	5.39
384-1001	A	Replacement anti-static tip	1.72	1.55
384-1002	B	Desoldering bulb with tip	2.50	2.25
384-1004	B	Replacement Teflon tip for bulb	1.36	1.22

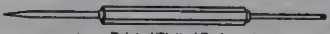
eagle plastic devices SOLDERING AID SET



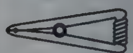
Brush/Scraper



Curved Probe/Scraper



Pointed/Slotted Probe



Clip-on Heat Sink

For quantities of 5 and up, call for quote.

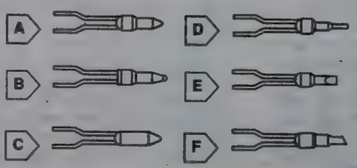
MOUSER STOCK NO.	Description	Price Each
384-1017	Aluminum, spring-loaded clip-on heat sink, 2 1/2" long	.76
384-1018	4-pc. soldering aid set includes: clip-on heat sink brush/scraper, pointed/slotted probe, and curved probe/scraper	3.99

WAHL® ELECTRONICS ISO-TIP HI-EFFICIENCY SOLDERING TIPS

- All ISO-TIP replacement tips fit all ISO-TIP cordless irons
- Isolated tip, ground free, low voltage design eliminates electrical leaks and damage
- Intermittently 200 plus joints per charge
- Unique snap-in design
- Requires less power to heat tip
- Heats tip faster, approximately 5 seconds
- Longer soldering time per full battery charge, up to 30 minutes

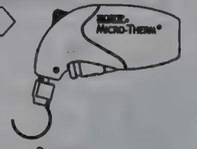
For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
557-7535-100	A	Regular tip	6.52
557-7545-100	B	Fine tip	6.52
557-7546-100	C	Heavy duty tip	5.85
557-7566-100	D	Micro tip	6.52
557-7577-100	E	Chisel tip	6.52
557-7579-100	F	Beveled tip	5.85

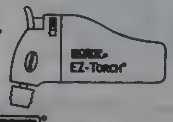


WAHL® ELECTRONICS ISO-TIP PORTABLE HEAT GUN AND MINI TORCH

A



B



MicroTherm Heat Gun

- Portable and flameless heat
- Electronic ignition
- Temperatures up to 1200°F (650°C)
- For heat shrink tubing, activating adhesives and potting compounds.

EZ-Torch Portable Mini Torch

- Electronic ignition
- Runs approximately 20 minutes of continuous flame per cartridge
- Maximum temperature range: 1300°F~2375°F

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
557-7975	A	Micro Therm Heat Gun	28.91	27.47
557-7978	B	EZ-Torch Mini Torch	19.95	18.95
557-7978-300	-	Reusable butane refill - 2 pk.	3.19	2.96

AIM Solder Products

WIRE SOLDER

Rosin Activated Wire Solder

Features:

- Fully Activated Flux
- Excellent Wetting Properties
- Glycol Free
- Excellent Thermal Transfer
- Leaves Slight to Moderate Post-Process Residues That May Be Left On Non-Critical Applications

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.				1	10	25
738—13286	60/40	0.020	1.0	19.66	17.69	16.71
738—13287	60/40	0.025	1.0	18.05	16.25	15.34
738—13288	60/40	0.032	1.0	14.03	13.33	12.22
738—13289	60/40	0.040	1.0	15.95	14.35	13.56
738—13290	60/40	0.050	1.0	15.74	14.17	13.38
738—13291	60/40	0.062	1.0	16.89	15.20	13.68
738—14080	60/40	0.093	1.0	15.06	13.54	12.79

Lead-Free Rosin Activated Wire Solder 2%

MOUSER STOCK NO.	Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.				1	10	25
738—14313	SAC305	0.020	1.0	35.70	32.13	28.56
738—14314	SAC305	0.025	1.0	34.10	30.69	27.28
738—14315	SAC305	0.032	1.0	32.50	29.25	26.00
738—14316	SAC305	0.050	1.0	31.65	28.49	25.32
738—14317	SAC305	0.062	1.0	31.36	28.23	26.66

Rosin Mildly Activated Wire Solder

RMA Wire is a mildly activated, general purpose wire solder for use in applications requiring good activation. RMA cored wire is active enough for excellent tarnish or oxide removal, and will produce bright shiny solder joints.

Features:

- Mildly Activated Flux
- Good Wetting Properties
- Glycol Free
- Good Thermal Transfer
- Meets Mil-Spec Cleanliness Requirements Without Cleaning

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.				1	10	25
738—13772	62/36/2	0.025	1.0	21.15	19.83	18.51
738—14320	63/36/2	0.050	1.0	19.47	18.01	17.00
738—13560	63/37	0.020	1.0	19.99	17.99	16.99
738—13427	63/37	0.015	1.0	16.26	14.63	13.82
738—13562	63/37	0.025	1.0	18.40	16.43	15.59
738—13563	63/37	0.032	1.0	16.79	15.11	14.27
*738—13541	63/37	0.032	1.0	16.79	15.11	14.27

* This part is 2% flux, all others are 3%

No-Clean Wire Solder

GLOW CORE is a no-clean, resin based flux cored wire solder designed to offer excellent wetting characteristics and lead-free compatibility. This product is very active and is recommended for fast cycle time soldering. GLOW CORE flux promotes good thermal transfer, offering better solder penetration into plated through holes and surface mount interconnections. GLOW CORE cored wire produces low-to-medium post-processes residues that are electrically safe and do not require cleaning for most applications.

Features:

- Tin-Lead and Lead-Free Compatible
- Low Post-Process Residues
- Good Wetting
- Drop-In For No-Clean Applications
- Cleanable With Saponifier
- IPC Compliant

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.				1	10	25
738—13368	63/37	0.015	0.5	16.26	14.63	13.82
738—13283	63/37	0.020	1.0	19.99	17.99	16.99
738—13308	63/37	0.025	1.0	18.40	16.56	15.64
* 738—13426	63/37	0.032	1.0	16.79	15.11	14.27
**738—13977	63/37	0.032	1.0	16.79	15.11	14.27
738—15033	63/37	0.040	1.0	16.30	14.67	13.86
738—13166	63/37	0.050	1.0	16.10	14.38	13.64
738—13211	63/37	0.050	1.0	16.10	14.49	13.68
738—13223	63/37	0.062	1.0	14.38	13.67	12.95

* GLOWCORE 2%

** GLOWCORE 2.5%

Lead Free No-Clean Wire Solder

GLOW CORE is a lead-free and tin-lead compatible no-clean flux core that offers very good wetting and low residues.

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.				1	10	25
738—14054	SAC305	0.020	1.0	35.70	32.13	28.56
738—14076	SAC305	0.025	1.0	34.10	30.69	27.28
738—14048	SAC305	0.032	1.0	32.50	29.25	26.00
738—14111	SAC305	0.050	1.0	31.76	28.59	25.41
738—14050	SAC305	0.062	1.0	31.36	28.22	25.09

Water Soluble Wire Solder

Water soluble cored wire features a halide-activated system that has been neutralized with an amine. The aminehydrohalide provides a high activation level that produces excellent tarnish or oxide removal, and maximum capillary action, leading to faster wetting, and reducing the chances of thermal degradation of the boards materials. Any flux residue from this solder is readily soluble in hot water.

Features:

- Highly activated water soluble flux cored wire.
- High Activity Level and Very Good Wetting
- Good Thermal Transfer Reduces Oxidation of Solder Iron Tip.
- Post-Process Residues Easily Cleaned in Hot Water.

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.				1	10	25
738—13236	63/37	0.015	1.0	16.26	14.63	13.82
738—13154	60/40	0.032	1.0	16.46	14.81	13.98
738—13158	60/40	0.062	1.0	15.36	13.82	13.05

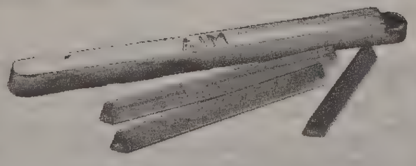
Lead Free Water Soluble Wire Solder

WS482 is a water soluble, halide-free flux cored wire designed for lead-free applications. Post-process residues are non-corrosive.

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.				1	10	25
738—13408	SAC305	0.025	1.0	34.10	30.70	28.99
738—13411	SAC305	0.050	0.05	31.76	28.59	25.41
738—13951	SAC305	0.020	1.0	35.68	32.12	30.33
738—13949	SAC305	0.032	1.0	32.47	29.23	27.61
738—13963	SAC305	0.062	1.0	31.36	28.21	26.67

BAR SOLDER



Electropure Bar Solder

AIM'S Electropure Bar Solder is processed from virgin or better metals in a proprietary method that removes impurities and oxides. The result is a lower drossing rate, as well as a decrease in defects while using no-clean, RMA or water soluble flux chemistries

For quantities 50 and up, call for quote.

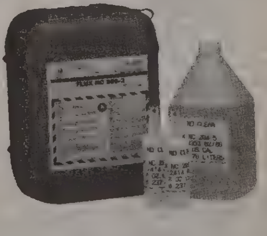
MOUSER STOCK NO.	Description	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.			1	10	25
738—5040	SN63/PB37 Bar	1.0	12.98	11.69	10.52
738—1222	SN63/PB37 Bar	2.5	61.49	55.34	49.75
738—4909	SN60/PB40 Bar	1.0	19.86	17.88	16.09

Lead-Free Bar Solder

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Description	Weight (lbs.)	Price Each		
Mfr. Mfr. Part No.			1	10	25
738—5225	SAC305 LF Bar	2.5	95.00	85.50	76.00
738—5202	SN100C LF Bar	2.5	70.46	63.41	56.37

PASTE FLUX AND LIQUID FLUX



No-Clean Paste Flux

A standard all purpose paste flux for general metal repair soldering. Used when liquid fluxes may be hazardous or inconvenient. High activity, stability, and heat resistance provides for rapid soldering.

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each		
Mfr. Mfr. Part No.		1	10	25
738—22546	SP-30 Acid Paste 100grams	16.51	14.88	13.37

Liquid Flux

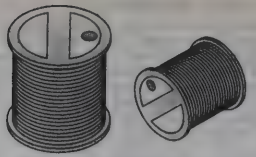
Developed to reduce bottom side micro-solder and survive SMT dual wave soldering systems. May be applied by spray or wave. Size 1 gallon.

For quantities 50 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each		
Mfr. Mfr. Part No.		1	10	25
738—19105	275 VOC-Free 1 Gallon	77.00	68.75	64.88

KESTER Solder Products

WIRE SOLDER



Product Use: Soldering flux in cored solder for electrical or electronic applications.

"44" Rosin, Activated Rosin Core Solder

"44" Rosin is a general purpose industrial and electrical wire solder. The flux residue is non-conductive and non-corrosive. Flux by weight: 3.3%

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr.	Mfr. Part No.				1	10	25
533	24-6337-07	63/37	0.015	1	40.47	36.41	34.40
533	24-6337-0010	63/37	0.02	1	34.14	30.73	29.02
533	24-6337-18	63/37	0.025	1	24.96	22.47	21.22
533	24-6337-27	63/37	0.031	1	23.90	21.51	20.32
533	24-6337-39	63/37	0.04	1	27.84	25.06	23.67
533	24-6337-53	63/37	0.05	1	20.48	18.43	17.40
533	24-6337-61	63/37	0.062	1	19.78	17.80	16.82
533	24-6040-0010	60/40	0.02	1	33.70	30.33	28.64
533	24-6040-18	60/40	0.025	1	24.48	22.04	20.81
533	24-6040-27	60/40	0.031	1	20.00	19.00	17.42
533	24-6040-39	60/40	0.04	1	27.36	24.62	23.26
533	24-6040-53	60/40	0.05	1	20.00	18.00	17.00
533	24-6040-61	60/40	0.062	1	21.25	19.12	17.21
533	24-6040-66	60/40	0.093	1	18.98	17.07	16.12
533	24-7150-18	62/36/2	0.025	1	49.60	46.50	43.40
533	24-7150-53	62/36/2	0.05	1	44.14	39.73	35.75
533	25-6040-0027	60/40	0.031	4	50.32	45.29	39.04
533	26-6040-0061	60/40	0.062	5	113.99	90.25	80.56

"245" No-Clean Core Solder

A mild, low residue core solder for electronic assembly. The residues from "245" are designed to be left on with no post soldering cleaning.

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Alloy	Core Size	Flux by Weight	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr.	Mfr. Part No.						1	10	25
533	24-6337-8806	63/37	50	1.10%	0.015	1	40.46	36.41	33.29
533	24-6337-8807	63/37	50	1.10%	0.02	1	34.14	30.73	29.02
533	24-6337-8834	63/37	58	2.20%	0.02	1	34.14	30.73	29.02
533	24-6337-8809	63/37	50	1.10%	0.025	1	24.96	22.47	21.22
533	24-6337-8800	63/37	50	1.10%	0.031	1	23.90	21.51	20.32
533	24-6337-8801	63/37	58	2.20%	0.031	1	23.90	21.51	20.32
533	24-6337-8802	63/37	66	3.30%	0.031	1	23.90	21.51	20.32
533	24-6337-8813	63/37	50	1.10%	0.04	1	27.84	25.06	23.67
533	24-6337-8814	63/37	50	1.10%	0.05	1	20.48	18.43	17.40
533	24-6337-8817	63/37	50	1.10%	0.062	1	22.83	21.69	20.55

"285" Rosin, Mildly Activated Rosin Core Solder

Conforms to type RMA of FED SPEC QQ-SS-571 and is on the qualified products list. High mobility and fast spreading action is comparable to RA fluxes. It is less corrosive and conductive than "44" rosin and is commonly used without subsequent flux removal.

For quantities 50 and up, call for quote.

533	24-6337-9703	63/37	66	3.30%	0.015	1	70.17	63.14	59.66
533	24-6337-9702	63/37	66	3.30%	0.02	1	34.14	30.73	29.02
533	24-6337-9718	63/37	66	3.30%	0.025	1	24.96	22.47	21.22
533	24-6337-9713	63/37	58	2.20%	0.031	1	23.90	21.51	20.32
533	24-6337-9710	63/37	66	3.30%	0.031	1	23.90	21.51	20.32

"331" Water Soluble Core Solder

It is more effective and heat stable than rosin fluxes in soldering difficult metals. Soldering with "331" should always be followed with a water wash to remove the residues which are conductive and can absorb moisture. Flux by weight: 3.3%

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Alloy	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr.	Mfr. Part No.				1	10	25
533	24-6337-6422	63/37	0.015	1	40.46	36.41	34.40
533	24-6337-6401	63/37	0.02	1	34.14	30.73	29.02
533	24-6337-6417	63/37	0.025	1	24.96	22.47	21.22
533	24-6337-6403	63/37	0.031	1	23.90	21.51	20.32
533	24-6337-6411	63/37	0.062	1	19.44	17.49	16.53
533	24-6040-6403	60/40	0.031	1	23.46	21.11	19.93
533	24-6040-6411	60/40	0.062	1	19.32	17.38	16.42

LIQUID FLUX

Developed to reduce bottom side micro-solder balling and survive SMT dual wave soldering systems. May be applied by spray or wave. Size: 1 gallon

For quantities 48 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each				
Mfr.	Mfr. Part No.		1	6	12	24	36
533	63-0000-0977	977 VOC-Free No-Clean	37.92	32.23	30.33	28.44	23.54

PASTE FLUX

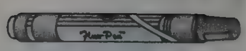
A standard all purpose flux for general metal repair soldering. Used when liquid fluxes may be hazardous or inconvenient. High activity, stability, and heat resistance provides for rapid soldering. Not for use in electrical/electronic applications.

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Price Each		
Mfr.	Mfr. Part No.		1	10	25
533	83-0000-0001	SP-30, 2 oz.	2.73	2.46	2.21

FLUX-PEN ®

For rework and touch-up soldering. The chisel point allows work in confined spaces. Spring valve prevents the flux inside of the pen from "drying out".



For quantities 10 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
533	0186	A	#186 RMA flux	4.23	3.78
533	0951	A	#951 No clean	4.23	3.78
533	2331	A	2331-ZX Water soluble flux	4.23	3.78

BAR SOLDER

KESTER SOLDER

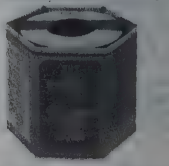
For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each		
Mfr.	Mfr. Part No.			1	10	25
533	04-6040-0000	B	SN60PB40 E-Bar, 1 2/3 lbs.	19.37	17.44	15.70
533	04-6337-0000	B	SN63PB37 E-Bar, 1 2/3 lbs.	21.15	19.04	17.13
533	04-6337-0050	B	SN63PB37 Ultrapure, 1 2/3 lbs.	21.30	19.18	17.26

ACTIVATED ROSINS FLUX

Kester Activated Rosin Flux has been developed for fluxing applications where non-activated and mildly activated rosin fluxes are too inactive to remove metal oxides, where proper and complete residue removal of potentially corrosive water-soluble organic acid flux is not possible, and where soldering of electronic assemblies requires instant wetting and excellent capillary flow.

LEAD-FREE



For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr.	Mfr. Part No.				1	10	25
533	24-7068-1401	Sn96.5/3.0Ag/0.5 Cu	0.020	1	61.04	54.94	48.83
533	24-7068-1406	Sn96.5/3.0Ag/0.5 Cu	0.025	1	56.52	50.86	45.22
533	24-7068-1402	Sn96.5/3.0Ag/0.5 Cu	0.031	1	44.48	40.03	35.59
533	24-7068-1404	Sn96.5/3.0Ag/0.5 Cu	0.050	1	52.84	47.56	42.27
533	24-7068-1400	Sn96.5/3.0Ag/0.5 Cu	0.062	1	52.50	47.24	41.99

NO-CLEAN FLUX

For cored solder wire was developed to provide superior wetting performance for hand soldering.

Standard Performance Characteristics:

- Colorless translucent residues
- Improves wetting performance
- Excellent solderability and fast wetting to a variety of surface finishes
- Low smoke
- Low odor
- Low spattering

LEAD-FREE

For quantities 50 and up, call for quote.

533	24-7068-7603	Sn96.5/3.0Ag/0.5 Cu	0.020	1	68.39	61.57	54.85
533	24-7068-7617	Sn96.5/3.0Ag/0.5 Cu	0.025	1	56.52	50.86	45.21
533	24-7068-7601	Sn96.5/3.0Ag/0.5 Cu	0.031	1	74.40	66.97	59.52
533	24-7068-7606	Sn96.5/3.0Ag/0.5 Cu	0.050	1	53.02	47.72	42.42
533	24-7068-7607	Sn96.5/3.0Ag/0.5 Cu	0.062	1	78.08	70.27	62.46

WATER SOLUBLE FLUX

Kester water soluble fluxes are high activity, organic fluxes designed for automated soldering of circuit board assemblies where more aggressive fluxes are required, but reliability considerations are paramount. The residues after soldering are effectively removed in standard water cleaning systems. Although possessing high activity, boards exhibit high ionic cleanliness after water cleaning.

LEAD-FREE

For quantities 50 and up, call for quote.

533	24-7068-6417	Sn96.5/3.0Ag/0.5 Cu	0.025	0.025	56.52	50.86	45.22
533	24-7068-6409	Sn96.5/3.0Ag/0.5 Cu	0.050	0.050	53.02	47.72	42.42
533	24-7068-6411	Sn96.5/3.0Ag/0.5 Cu	0.062	0.062	52.50	47.25	41.99

LEAD-FREE SOLDER

LEAD-FREE

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Dia. (in.)	Weight (lbs.)	Price Each		
Mfr.	Part No.				1	10	25
No Clean							
533	24-7068-7600	Sn96.5/3.0Ag/0.5Cu	0.031	1	29.10	26.19	23.28
533	24-7068-7602	Sn96.5/3.0Ag/0.5Cu	0.02	1	54.58	49.12	43.66
Water Soluble							
533	24-7068-6401	Sn96.5/3.0Ag/0.5Cu	0.020	1	61.04	54.94	48.83
533	24-7068-6403	Sn96.5/3.0Ag/0.5Cu	0.031	1	44.48	40.03	35.58

ULTRAPURE® K100 LEAD FREE BAR SOLDER

Designed specifically as a low-cost alternative to traditional lead-free alloys, This is a near-eutectic tin/copper alloy with controlled metallic dopants to manage the grain structure within the solder joint. The improved grain structure also results in completely filled and shinier solder joints than traditional lead-free alloy alternatives.

LEAD-FREE

For quantities 50 and up, call for quote.

MOUSER STOCK NO.		Description	Weight (lbs.)	Price Each		
Mfr.	Mfr. Part No.			1	10	25
533	04-7068-0000	Sn96.6/3.0Ag/0.5Cu Lead Free Bar	1.66	47.90	43.10	38.31
533	04-9571-0050	K100 Lead Free Bar	1.66	49.14	44.22	39.78

TECHSPRAY Solder Products, Cleaners and Defluxers

G3 CLEANERS, DEFLUXERS, AND CONTACT CLEANERS

G3 is by far the best HCFC-141b replacement on the market. No other non-flammable precision cleaner can match G3's price/performance. G3 has 32% better cleaning ability than HCFC-141b, making G3 products the ideal choices for electronic cleaning.

- Non-ozone depleting
- Non-flammable
- Safe on most plastics
- Rapidly evaporating
- Patented formula
- Ideal for Lead-Free processes

Blue Shower® G3™ Cleaner /Degreaser

This innovative, non-flammable blend is designed for precision cleaning of polar and non-polar soils including hand and solder oils, greases, silicones, fluxes, and other similar contaminants. Blue Shower® G3™ is effective in cleaning electronic equipment, machinery, metal parts, and other general cleaning applications.

For quantities 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Size	Price Each 1	12
577	1630-16S	16 oz. Aerosol	18.69	17.81
577	1630-10S	10 oz. Aerosol	18.69	17.81

Contact Cleaner G3™

This non-flammable, precision blend is the optimal choice for removing oils, greases, silicones, dirt, and grime from all types of switches, relays, contact pads, and other electrical connections.

For quantities 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Size	Price Each 1	12
577	1632-16S	16 oz. Aerosol	18.72	17.72
577	1632-10S	10 oz. Aerosol	18.72	17.72

Flux Remover G3™

Non-flammable defluxer designed specifically for removing R, RA, RMA, and SA type flux residues after high temperature reflow. This flux remover can also be used as an all-purpose cleaner to remove light oils, silicones, waxes, greases, and other similar contaminants often found in electronics manufacturing.

LEAD-FREE

For quantities 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Size	Price Each 1	12
577	1631-16S	16 oz. aerosol	17.91	17.07
577	1631-5S	5 oz. w/ brush attach.	11.88	11.24
577	1631-10S	10 oz. Aerosol	18.72	17.72

No Clean Flux Remover G3™

Designed specifically for removing R, RA, RMA, and SA type flux residues after high temperature reflow. Can be used as an all-purpose cleaner to remove light oils, silicones, waxes, greases, and similar contaminants often found in electronics manufacturing.

LEAD-FREE

For quantities 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Size	Price Each 1	12
577	1634-12S	12 oz. aerosol	16.87	15.97

ECO-LINE™ CLEANERS AND DEFLUXERS

Unique blend of hydrocarbons offers new, viable alternatives to CFC cleaning w/out depleting the ozone. Excellent cleaning ability, rapid evaporation, **safe on plastic, ideal for lead-free applications**, and is low cost.

Contact Cleaner

Contains a hexane mixture. Ideal for switches, relays, contact pads, and other places of electrical connections.

- Ozone depleting factor: 0
- Rapid evaporation

For quantities 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Size	Price Each 1	12
577	1622-10S	A	10 oz. aerosol	10.45	9.93
577	1622-13S	A	13 oz aerosol	11.99	11.33

Ecoline Blue Shower Maintenance Cleaner

A blend of isopropanol and ethanol. Designed for cleaning electronic and electrical equipment, machinery, and metal parts.

- Ozone depleting factor: 0
- Rapid evaporation
- Safe on most plastics

For quantities 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Size	Price Each 1	12
577	1620-10S	A	10 oz. aerosol	10.89	10.28

ENVI-RO-TECH™ CLEANERS AND DEFLUXERS

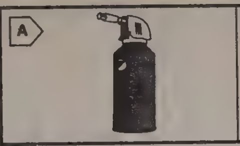
Non-flammable, with excellent cleaning ability, rapid evaporation, & moderate cost. EPA regulations restrict the sale of these cleaners containing HCFC's to commercial users who can provide proof of their commercial status. Contains HCFC-141b. Fast acting and highly effective cleaner containing a blend of HCFCs. Safe for cleaning most electronic equipment. Used to remove oils, grease, dirt, silicone, fluxes, and similar soils.

Contact Cleaner

For quantities 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Size	Price Each 1	12
577	1674-22S	A	22 oz. aerosol	24.05	22.85

A



B

AK225 CLEANERS AND DEFLUXERS

AK225 solvents are premium cleaners, combining powerful solvency with superior plastics, elastomers, and metals compatibility. EPA regulations restrict the sale of HCFC's to commercial users who can provide proof of their commercial status.

No-Clean Flux Remover

Non-flammable, rapidly evaporating AK 225 blend designed for the removal of No-clean flux and white residue. Aggressively removes grease, oil, and soils from contacts, PCBs, connectors, and relays.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Fig.	Size	Price Each 1	12
577	1660-6S	A	6 oz. aerosol, w/ brush attach.	13.76	13.12
577	1660-12S	A	12 oz. aerosol	19.53	18.62

Asahiklin AK225, Maintenance Cleaner

- 100% HCFC-225
- Non-flammable
- Safe on most plastics
- Rapid evaporation

For quantities of 24 and up, call for quote.

577—1663-8S	B	8 oz aerosol	16.54	15.62
577—1663-18S	B	18 oz. aerosol	31.50	29.75

Flux Remover AMS

Mixture of AK225 and methanol. Superior flux removal for type R, RMA, RA, and synthetic fluxes.

- Non-flammable
- Rapid evaporation
- Ozone depleting factor: .03
- Safe on most plastics

For quantities of 24 and up, call for quote.

577—1665-8S	B	8 oz. aerosol	15.93	15.14
577—1665-18S	B	8 oz. aerosol	29.68	28.04

Blue Shower II, Degreaser/Defluxer

The standard for precision cleaning of polar and non-polar soils.

- Non-flammable
- Ozone depleting factor: .03
- Rapid evaporation
- Safe on most plastics

For quantities of 24 and up, call for quote.

577—1667-8S	B	8 oz. aerosol	15.31	14.55
577—1667-18S	B	18 oz. aerosol	29.11	27.49

Contact Cleaner II

The choice solvent for precision cleaning and degreasing of electrical contacts.

- Non-flammable
- Ozone depleting factor: .03
- Rapid evaporation

For quantities of 24 and up, call for quote.

577—1668-8S	B	8 oz. aerosol	16.11	15.31
577—1668-18S	B	18 oz. aerosol	29.96	28.29

DESOLDERING FINE BRAID

- 100% pure copper w/ advanced braid design
- Vacuum sealed to prevent oxidation
- 25F, 50F, 100F sizes available w/ 25', 50', 100', and 500' length spools available for most sizes – call for quote

No-Clean Features:

- Prevents ionic residue
- Recommended for lead-free processes
- Cleanest no-clean wick in the industry
- Meets MIL Spec MIL-F-14256F

LEAD-FREE

No Clean Wick

- 5 Foot Spools

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Color Code	Width (in.)	Price Each 1	10
577	1814-5F	White	0.035	3.08	2.93
577	1815-5F	Yellow	0.055	3.08	2.93
577	1816-5F	Green	0.075	3.14	2.98
577	1817-5F	Blue	0.098	3.36	3.20
577	1818-5F	Brown	0.13	4.11	3.91
577	1819-5F	Red	0.193	4.38	4.18

- 10 Foot Spools

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Price Each 1	10
577	1814-10F	5.51	5.24
577	1815-10F	5.51	5.24
577	1816-10F	5.67	5.38
577	1817-10F	6.21	5.90

No Clean Wick w/ Static Dissipative Bobbin

- 5 Foot Spools

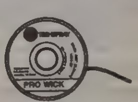
MOUSER STOCK NO. Mfr.	Mfr. Part Number	Color Code	Width (in.)	Price Each 1	10
577	1820-5F	White	0.035	3.21	3.05
577	1821-5F	Yellow	0.055	3.15	2.99
577	1822-5F	Green	0.075	3.32	3.16
577	1823-5F	Blue	0.098	3.67	3.49
577	1824-5F	Brown	0.13	4.11	3.91
577	1825-5F	Red	0.193	4.61	4.38

- 10 Foot Spools

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Price Each 1	10
577	1820-10F	5.77	5.48
577	1821-10F	5.76	5.47
577	1822-10F	5.90	5.61
577	1823-10F	6.36	6.05

Pro-Wick Features:

- Fast wicking action
- Meets MIL Spec MIL-F-14256F, NASA NHB5300.4, NPC200-4, SP5002



Pro-Wick

- 5 Foot Spools

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Color Code	Width (in.)	Price Each 1	10
577	1801-5F	White	0.035	2.54	2.42
577	1802-5F	Yellow	0.055	2.49	2.36
577	1803-5F	Green	0.075	2.55	2.41
577	1804-5F	Blue	0.098	2.72	2.58
577	1805-5F	Brown	0.13	3.34	3.17
577	1806-5F	Red	0.193	3.55	3.38

- 10 Foot Spools

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Price Each 1	10
577	1801-10F	4.48	4.25
577	1802-10F	4.48	4.25
577	1803-10F	4.60	4.38
577	1804-10F	5.07	4.82

Pro-Wick w/ Static Dissipative Bobbin

- 5 Foot Spools

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Color Code	Width (in.)	Price Each 1	10
577	1808-5F	White	0.035	2.57	2.45
577	1809-5F	Yellow	0.055	2.57	2.45
577	1810-5F	Green	0.075	2.72	2.57
577	1811-5F	Blue	0.098	2.98	2.83
577	1812-5F	Brown	0.13	3.34	3.17
577	1813-5F	Red	0.193	3.74	3.56

- 10 Foot Spools

MOUSER STOCK NO. Mfr.	Mfr. Part Number	Price Each 1	10
577	1808-10F	4.67	4.44
577	1809-10F	4.70	4.47
577	1810-10F	4.77	4.54
577	1811-10F	5.23	4.97
577	1812-10F	6.09	5.78

TECHSPRAY Dusters, Freezers, Cleaners, and Tester

A

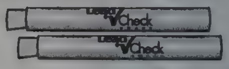
B

C

D

E

F



TECHSPRAY DUSTER

100% HFCs, no CFCs, no HCFCs. Formulated with HFC-134a, this exceptionally pure, moisture free, inert gas removes particles without the use of harmful solvents. Because HFCs do not harm the ozone, this product has a zero ozone depletion factor. This product removes microscopic contaminates, lint, dust, metallic oxide deposits, and other soils.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1671-10S	A	10 oz. aerosol	8.65	7.96
577	1671-10RS	B	10 oz. aerosol refill for 577-1671-10SK	9.67	9.22
577	1671-15S	A	15 oz. aerosol	12.66	12.07
577	1671-8S	A	8 oz. aerosol	12.66	12.07

HIGH VELOCITY VORTEX DUSTER

Vortex duster provides a high-powered blast to remove contaminants, lint, and dust. Formulated with HFC-134a, this exceptionally pure, moisture free, inert gas removes particles without the use of harmful solvents.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1697-8S	C	8 oz. aerosol, invertible	11.82	11.24
577	1697-10S	A	10 oz. aerosol	13.53	12.86

CIRCUIT BOARD REPAIR PENS - TRACE TECHNOLOGIES

Flux Remover Pen

Provides a convenient method for touch-up cleaning of flux residues

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	2506-N	D	11.5ml pen	7.47	7.08

Conductive Pen

Repair traces and link components with fast drying silver ink.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	2505-N	D	4.89ml pen	17.37	16.55

Overcoat Pen

Designed to insulate PCB traces and components against high voltage arcing and repair solder resist.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	2509-GN	D	5ml pen, green	12.14	11.50

No-clean Flux Dispensing Pen

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	2507-N	D	11.5ml pen	5.76	5.50

TECHSPRAY FREEZE SPRAY

100% HFC's, no CFC's, no HCFC's

A HFC-134a based, rapidly evaporating liquid that chills to minus 62°F. Zero ozone depletion factor. Used as a trouble shooting aid for intermittently faulting capacitors, resistors, semi-conductors, and other defective components. Also detects cold solder joints, cracks in PCB's, and oxidized junctions.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1672-10S	A	10 oz. aerosol	11.63	11.02
577	1672-15S	A	15 oz. aerosol	14.04	13.39

ANTI-STATIC FREEZE SPRAY

100% HFC's, no CFC's, no HCFC's

A rapidly evaporating HFC-134a product that contains an anti-static agent. Zero ozone depletion factor. Used as a trouble shooting aid in static sensitive areas for intermittently faulting capacitors, resistors, semiconductors, and other defective components. Also detects cold solder joints and oxidized junctions.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1747-10S	A	10 oz. aerosol	12.17	11.57
577	1747-15S	A	15 oz. aerosol	19.10	18.16

LABEL AND ADHESIVE REMOVER

Label and adhesive remover is a specially designed, hydrocarbon cleaner that safely removes labels and adhesive gums from equipment and products. Effectively removes gummy residues, labels, stickers, ink marks, beverage spills and other contaminants commonly found on equipment housings without damaging plastics. Solvent has a pleasant citrus odor.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1613-6S	E	4.5 oz.aerosol	10.17	9.66
577	1613-N	D	10ml pen	6.60	6.26

CLEANER - LUBRICANT - KLEEN-IT G3

No CFC's, contains HCFC's. Quickly penetrates and flushes away grease, dirt, oil, dust, and oxidized surface metals leaving a thin protective coating of silicone to lubricate and protect.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	2421-12S	E	12 oz. aerosol	14.70	13.97

HFE PRODUCTS

Precision cleaners that leave no residue - Ideal for cleaning critical components.

Non-ozone depleting, non-flammable, rapidly evaporating, safe on most plastics.

HFE Cleaner/Degreaser

Precision solvent designed to remove dirt, oil, grease, and other contaminants.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1685-18S	E	18 oz. aerosol	42.69	40.58

HFE Flux Remover

Excellent cleaner. Readily removes type R, RMA, RA, and synthetic fluxes from printed circuit assemblies. One Step.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1686-18S	E	18 oz. aerosol	42.69	40.58

HFE Contact Cleaner

Designed to clean electrical contacts and switches. Removes oil, grease, silicone, and dirt from contacts and pads.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1687-18S	E	18 oz. aerosol	42.69	40.58

CONTACT ENHANCERS

Contact Enhancer Pen

Designed to protect electronic connections during storage, transportation, and operation

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	2111-N	D	10 ml pen	7.32	6.93

Rid-Ox Contact Protector/Enhancer

Designed for improving conductivity while sealing and protecting connections.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	2112-6S	E	6 oz. aerosol	10.71	10.15

LEADCHECK TESTER

Lead-Free Tester

1 step LeadCheck test for components and solder joints

Features:

- Prevent lead contamination
- Shows due diligence
- Accurate and easy to read
- Non-flammable and non-hazardous
- Lead-free tested / RoHS compliant
- Inexpensive per test
- Portable, easily stored
- Long self-life
- Non-destructive test

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	2515	F	8 Lead Check Swabs	23.99	22.82

TECHSPRAY Brushes, Wipes, and Swabs

TECHSPRAY STATIC SENSITIVE BRUSHES

Use these brushes for your specific needs, whether you are cleaning sensitive optics or scrubbing heavy soils. The bristle cut is designed to offer optimum cleaning with minimum effort.

- ESD Safe stainless steel or natural horsehair
- Anodized aluminum handles

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Bristle Material	Bristle Width	Price Each	
					1	12
577-2040	2040-1	A	Horse Hair	1/8"	11.25	10.69
577-2042	2042-1	A	Horse Hair	3/8"	18.40	17.48
577-2043	2043-1	A	.003 Stainless Steel	3/8"	19.03	18.09

TECHSPRAY GENERAL CLEANING BRUSHES

- Non-Static Bristles
- Easy-Grip Handles

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Handle Material	Bristle Material	Brush Face	Price Each	
						1	12
577-2020	2020-1	A	Wood	Horse hair	1/4" X 1 3/8"	2.89	2.74
577-2021	2021-1	A	Wood	Hog's hair	1/4" X 1 3/8"	4.15	3.94
577-2022	2022-1	A	Wood	Hog's hair	7/8" X 2 1/8"	8.45	8.03

TECHSPRAY TECHNICAL CLEANING BRUSHES

Whether you are cleaning sensitive optics or scrubbing heavy soils, this bristle cut brush is designed to offer optimum cleaning with minimum effort. Handles are designed for a comfortable fit.

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Handle Material	Handle Length	Bristle Length	Price Each	
						1	12
577-2030	2030-1	B	Stainless Steel	3 1/2"	1/8"	7.47	7.10
577-2031	2031-1	C	Stainless Steel	4 1/2"	1/4"	7.86	7.47
577-2032	2032-1	D	Zinc Plated Steel	4 1/2"	1/2"	7.57	7.19
577-2033	2033-1	E	Zinc Plated Steel	4 1/2"	7/16"	5.72	5.43

TECHSPRAY STATIC DISSIPATIVE BRUSHES

The dissipative brushes have a surface resistivity of 10^6 - 10^8 ohms, which makes them an excellent addition to any ESD program. Each brush is made with a revolutionary, non-sloughing, static dissipative material to prevent any static generation even when cleaning with a dry brush. For your safety, please use these brushes with a wrist strap or other mechanism to provide a good path to ground.

- Nylon Bristles

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Handle Material	Handle Length	Bristle Length	Price Each	
						1	12
577-2061	2061-1	A	Aluminum	6 7/16"	1 3/16"	19.55	18.57

TECHSPRAY TECHCLEAN WIPES

Features:

- 2350 Techclean Wiper - General-purpose cellulose/polyester wipe - high absorbency, and low linting.
- 2351/2352 Techclean Absorbwipe - Soft polyester wipe for sensitive surfaces.
- 2353/2354 Techclean Ultrawipe - Textured cellulose/polyester wipe for more aggressive cleaning.
- 2355 Techclean Purwipe - Very low lint, reusable polyester wipe.
- 2357 Techclean Twillwipe - Tough cotton twill wipe for abrasive surfaces.
- 2359 Techclean SMT Blue Wipe - Economical cellulose/polyester wipe for general maintenance.
- 2362 Anti-Static Wipe - ESD-safe wipe for static-controlled environments.

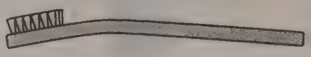
∗ Not Folded

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Description	Size	Price Each		
					1	6	12
∗577-2350-100	2350-100	F	General Purpose, 100pk	9" X 9"	20.57	19.42	18.54
∗577-2351-100	2351-100	F	Absorbwipe, 100pk	4" X 4"	7.17	6.80	6.47
∗577-2352-100	2352-100	F	Absorbwipe, 100pk	9" X 9"	21.57	20.44	19.43
∗577-2354-100	2354-100	F	Ultrawipe, 100pk	12" X 12"	48.00	45.49	43.26
∗577-2355-100	2355-100	F	Purwipe, 100pk	9" X 9"	34.81	32.99	31.37
∗577-2357-100	2357-100	F	Twillwipe, 100pk	6" X 6"	21.01	19.91	18.93
∗577-2359-300	2359-300	F	Bluewipe, 300pk	9" X 9"	35.59	33.81	32.03
577-2362-150	2362-150	F	Anti-static wipe, 150pk	9" X 9"	35.59	33.81	32.03

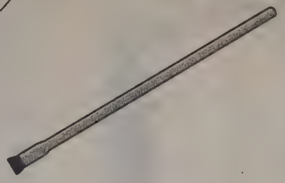
TECHSPRAY TECH SWABS

MOUSER STOCK NO.	Tech Spray Part No.	Fig.	Description	Size	Price Each		
					1	6	12
577-2300-100	2300-100	G	Double Tip Cotton, 100pk	3/16"	3.68	3.50	3.33
577-2300-1000	2300-1000	G	Double Tip Cotton, 1000pk	3/16"	28.15	26.76	25.37
577-2301-100	2301-100	H	Single Tip Cotton, 100pk	3/16"	3.18	3.03	2.88
577-2301-1000	2301-1000	H	Single Tip Cotton, 1000pk	3/16"	19.40	18.32	17.49
577-2302-50	2302-50	I	Broad Tip Foam, 50pk	7/16"	17.11	16.21	15.42
577-2302-1000	2302-1000	I	Broad Tip Foam, 1000pk	7/16"	215.02	203.08	193.79
577-2303-50	2303-50	J	Narrow Tip Foam, 50pk	1/4"	17.11	16.21	15.42
577-2303-1000	2303-1000	J	Narrow Tip Foam, 1000pk	1/4"	215.16	203.21	193.91
577-2306-50	2306-50	K	Super-Tip Foam, 50pk	1/2"	16.12	15.27	14.52
577-2306-1000	2306-1000	K	Super-Tip Foam, 1000pk	1/2"	217.85	205.74	196.33
577-2307-50	2307-50	L	Mini-Tip Foam, 50pk	3/16"	24.77	23.48	22.33
577-2307-1000	2307-1000	L	Mini-Tip Foam, 1000pk	3/16"	409.78	387.02	369.31
577-2313-30	2313-30	M	Double-Tip Pointed, 30pk	1/8"	5.52	5.23	4.97
577-2314-50	2314-50	N	Chamois Tip Swab, 50pk	3/8"	29.79	28.23	26.85

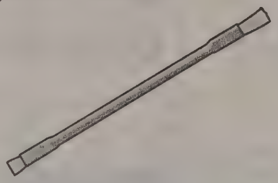
A



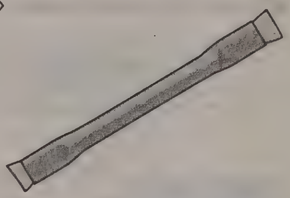
B



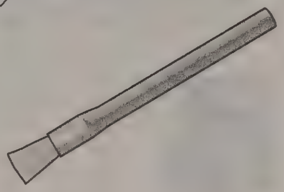
C



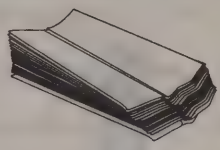
D



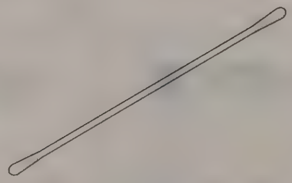
E



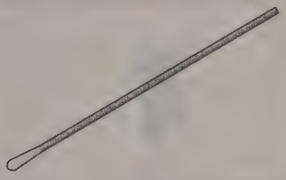
F



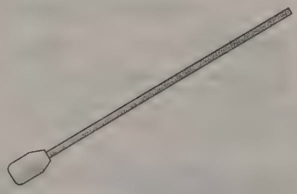
G



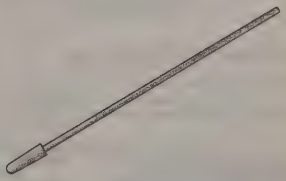
H



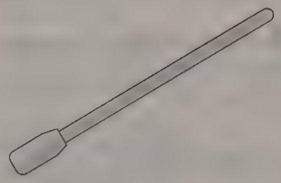
I



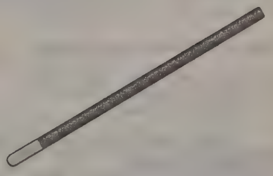
J



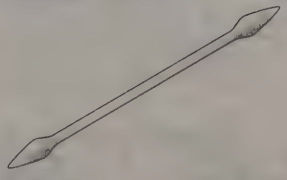
K



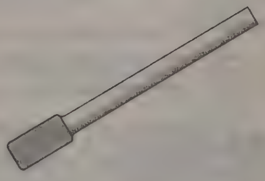
L



M



N



TECHSPRAY Cleaners, Static Control and Coatings

SMT STENCIL CLEANING

A

B

SMT
STENCIL
WIPES

C

D

ISOPROPYL
ALCOHOL

SMT Stencil Cleaner

Hydrocarbon-based, non-ozone depleting. Cleans most wet or dried thick film and solder paste compositions. SMT Wipes are manufactured with polyurethane materials, using a fiber-free configuration that will not leave wipe particles behind on stencils and other screening parts. Wipes are 9" x 9" and 1/16" thick. Aggressive cleaning action.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1693PT	A	1 pt. trigger	16.81	16.04

SMT Stencil Wipes

Isopropyl alcohol and deionized water blend. Non-ozone depleting. Good for removing inks, pastes, and contaminates that usually arise in most SMT processes.

For quantities of 24 and up, call for quote.

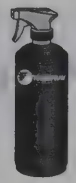
MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1608-100DSP	B	100 pkg. wipes	19.00	17.94

Isopropyl Alcohol

99% pure, anhydrous isopropanol for all purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue. Can be used as a thinner for most fluxes.

For quantities of 24 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each	
Mfr.	Mfr. Part Number			1	12
577	1610-50PK	C	50 packets	19.63	18.54
577	1610-100DSP	B	100 pkg. wipes	21.18	20.13
577	1610-P	D	1 pt. plastic	9.21	8.78
577	1610-PT	A	1 pt. trigger	9.21	8.78

A


B

C

D

E

F

G

H

I

TECHSPRAY
HEAT SINK

J

ZERO CHARGE™ STATIC CONTROL PRODUCTS

Mat and Table Top Cleaner

Removes insulating contaminants such as flux residues, oils, greases, nicotine, dirt, and grime. Eliminates charge and prevents static charge build-up.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each
Mfr.	Mfr. Part Number			
577	1733-PT	A	1 pt. trigger	10.43
577	1733-QT	A	1 qt. trigger	12.76

Screen and Keyboard Cleaner

Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon, and other soils from work areas. Safe on most plastics.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each
Mfr.	Mfr. Part Number			
577	1743-50PK	B	50 pkg. box	20.15

Hand Lotion

Formulated with aloe vera for a deep, penetrating, soothing action. Contains no silicone or lanolin. Non-greasy, non-sticky, odorless, and fast absorbing.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each
Mfr.	Mfr. Part Number			
577	1702-8FP	C	8 oz. pump	5.87

ZERO CHARGE™ STATIC CONTROL PRODUCTS (CONT.)

Anti-Static Coating

Eliminates static charge and reduces triboelectric generation from most surfaces. Recommended for applications that experience flexing and movement and for plastics such as polyethylene, polypropylene, and other similar surfaces.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each
Mfr.	Mfr. Part Number			
577	1726-QT	A	1 qt. trigger	16.05

GLASS CLEANER

Removes hand oils, ink marks, dust, finger prints, nicotine, syrup, carbon and other soils from work area. Safe on most plastics.

For quantities of 12 and up, call for quote.

577	1625-18S	D	18 oz.	3.84

CONFORMAL COATING REMOVER

Removes most conformal coatings, including: acrylic, epoxy, urethane, and some silicones. It can also be used to remove enamels, paints, varnishes, and lacquers. Quickly removes tar, adhesives, crayon, rubber, and carbon.

For quantities of 12 and up, call for quote.

577	2510-N	- -	10 ml pen	8.67
577	2510-P	E	1 pt. metal	22.88

CONFORMAL COATINGS

Fine-L-Kote™ SR

Flexibility allows for vibration, movement, and rapid changes in temperature. Offers chemical resistance and is recommended for harsh environments. Can be reworked by applying soldering iron, or complete removal by using the conformal coating remover (577-2510-P).

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each
Mfr.	Mfr. Part Number			
577	2102-12S	D	12 oz.	20.86

Fine-L-Kote™ AR

Provides insulation against high voltage arcing and corona shorts. Product offers limited resistance to common alcohols, ketones, and esters.

For quantities of 12 and up, call for quote.

577	2103-12S	D	12 oz.	17.69

Fine-L-Kote™ UR

Urethane conformal coating. Highly resistant to most solvents, moisture, and fungus. Can be reworked by applying soldering iron, or complete removal using conformal coating remover (577-2510-P).

For quantities of 12 and up, call for quote.

577	2104-12S	D	12 oz.	19.14

Fine-L-Kote™ HT

A silicone resin, conformal coating exhibiting excellent adhesion properties. Fine-L-Kote™ HT coating offers complete versatility. Removal can be accomplished with conformal coating remover (577-2510-P).

For quantities of 12 and up, call for quote.

577	2106-12S	D	12 oz.	18.67

TECHCLEAN™ CARD READER CLEANER

A one time use, pre-saturated card. Removes dirt, magnetic oxides, and other contaminates from credit card readers, ATM/POS terminals, and other magnetic or photo card reading apparatus.

For quantities of 12 and up, call for quote.

MOUSER STOCK NO.		Fig.	Size	Price Each
Mfr.	Mfr. Part Number			
577	1603	F	1 card	1.41

TRANSISTOR SILICONE GREASE

Used to coat the bases of power transistors as they are connected to heat sinks. Heat conductive grease will draw heat away from the transistor allowing it to run cooler.

For quantities of 12 and up, call for quote.

577	1977-DP	G	4 oz. tube	12.37

HEAT SINK COMPOUND

- Silicone Free

A silicone-free compound applied under power transistors and other devices that generate heat to assist in transferring heat from generating objects to metal chassis for dissipation. Temperature range from -40°C to +200°C.

For quantities of 12 and up, call for quote.

577	1978	H	4 oz. tube	22.49
577	1978-1	I	1 lb. tub	46.28

TECH HOLD™ GENERAL PURPOSE ADHESIVE

Single component cyanoacrylate adhesive that exhibits high strength, fast bonding, and high impact holding. Having a medium viscosity, flows into small openings (up to .004 inches).

For quantities of 12 and up, call for quote.

577	2503	J	3 gram	2.55

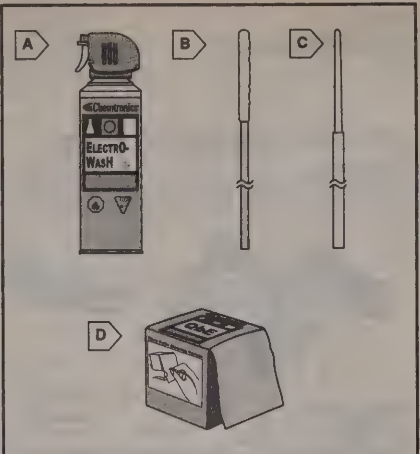
Fiber Optic, Cleanroom and Design / Repair Products ITWChemtronics

ITWChemtronics FIBER OPTIC PRODUCTS

- Presaturated swabs and wipes combine Chemtronics® highly effective cleaners and static dissipative treatments with the convenience of a disposable applicator.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
5168–	ES810	A	ElectroWash® PX Fiber Optic Cleaner 5oz Aerosol	9.98	9.48
5168–	25125X	B	1.25mm Fiber Optic Swab 100/Bag	93.41	88.74
5168–	25184	C	2.5mm Premium Fiber Optic Swab (5 per bag)	4.98	4.74
5168–	QBE	D	Fiber Optic End Face Cleaning Tool	42.43	40.31

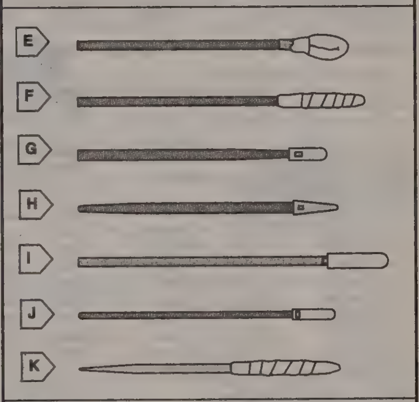


ITWChemtronics CLEANROOM SWABS

- Chemtronics® Swabs and Applicators are engineered for use in a variety of environments and applications.
- They are ideal for use with our cleaner degreasers, head cleaners, flux removers and other solvents for fast, precision cleaning.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Fig.	Swab Length in. (cm)	Handle Width in. (mm)	Head Length in. (mm)	Head Thkness in. (mm)	Head Width in. (mm)	Handle Material	Head Material	Price Each	
Mfr.	Mfr. Part No.									1	5
5168–	51121	E	2.8 (7.1)	.10 (2.5)	.40 (10.2)	.25 (6.5)	.23 (5.7)	Glass Filled Nylon	Knit Polyester	13.59	12.91
5168–	51353	F	2.8 (7.1)	.10 (2.6)	.78 (19.8)	.16 (4.1)	.16 (4.1)	Glass Filled Nylon	Tubular Knit Poly.	44.73	42.48
5168–	41050	G	2.8 (7.2)	.10 (2.6)	.40 (10.2)	.13 (3.3)	.14 (3.5)	Polypropylene	Polyurethane Foam	44.73	42.48
5168–	41050ESD	G	2.8 (7.2)	.10 (2.6)	.40 (10.2)	.13 (3.3)	.14 (3.5)	Polypropylene	Polyurethane Foam	90.91	86.38
5168–	44040	G	3.2 (8.0)	.10 (2.4)	.39 (9.9)	.11 (2.7)	.13 (3.3)	Polypropylene	Polyurethane	47.55	45.18
5168–	44070ESD	H	3.2 (8.0)	.10 (2.4)	.39 (9.9)	.11 (2.7)	.13 (3.3)	Polypropylene	Polyurethane	90.91	86.38
5168–	48040	I	2.7 (6.8)	.09 (2.2)	.41 (10.5)	.10 (2.5)	.12 (3.0)	Polypropylene	Polyurethane	56.73	53.90
5168–	38140	I	2.7 (.69)	.09 (2.3)	.48 (12.1)	.06 (1.6)	.12 (3.0)	Polypropylene	Polyurethane	93.83	89.15
5168–	36060	J	5.8 (14.7)	.12 (3.1)	.75 (18.9)	.19 (4.7)	.21 (5.4)	Polypropylene	Knit Polyester	125.20	118.94
5168–	36060ESD	J	5.8 (14.7)	.12 (3.1)	.75 (18.9)	.19 (4.7)	.21 (5.4)	ESD	Knit Polyester	151.94	144.34
5168–	21050	K	2.8 (7.1)	.10 (2.5)	1.08 (27.5)	.14 (3.7)	.14 (3.7)	Nylon	Polyurethane Foam	110.29	104.77

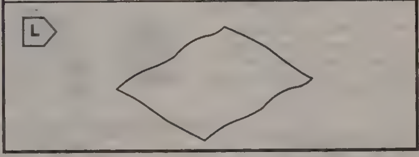


ITWChemtronics CLEANROOM WIPES

- Reliability and Performance.
- Products that keep contamination out of your process, improve yield, and perform consistently, shipment to shipment.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	5
5168–	6209	L	Polyester Wiper. Standard Weight, 9"x9"	53.49	50.82
5168–	6209HC	L	Sealed-Edge Standard Weight Polyester Wiper. 9"x9"	61.74	58.65
5168–	6259	L	Heavier-Weight Polyester Wiper. 9"x9"	64.79	61.56
5168–	6259HC	L	Same as above with sealed edge for lint and fiber control	68.96	65.51
5168–	6704	L	4"x4" Highly Absorbent	27.97	26.58
5168–	6709	L	9"x9" Highly Absorbent	28.83	27.40
5168–	6714	L	13"x14" Highly Absorbent	8.21	7.80



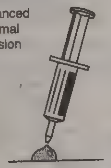
circuitworks PCB DESIGN & REPAIR PRODUCTS

Conductive Silver Lubrication

Conductive silver grease combines pure silver with advanced lubrication technologies for maximum electrical and thermal conductivity. Protects components from moisture, corrosion and is suitable for low to medium loads and speeds.

- Electronic
- Design
- Prototype
- Repair

Net Weight: .23 oz.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Price Each	
		1	5
5168-7100	CW7100	24.63	23.41

Quick-Bond Gel and Accelerator

A nonmigrating cyanoacrylate gel that provides superior bond strength. Accelerator can be brushed on or applied directly over the gel for reliable, instant bonding.

- Strong, super tough, instant bonding
- Gel formula stays in place and fills gaps
- Bonds most materials, including plastics, rubbers, and metals
- Use where strong, instant bonds are required

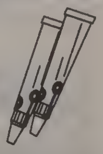
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Price Each	
		1	5
5168-4300	CW4300	10.07	9.56

Silver Epoxy Kit

For quick connections and bonding in electronic design, prototype, and repair projects. Bonds to solder, mylar, glass, and copper. Contains (part "A") epoxy, (part "B") hardener, reusable stir/applicator, and instructions. Tube size .25 oz.

- Solderless electronic connections
- Quick no or low heat cure
- Shelf life: 12 months

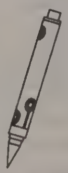


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Price Each	
		1	5
5168-2400	CW2400	33.16	31.50

Overcoat Pens

- A tough coating to protect and insulate components, braces, and repairs on circuit boards
- Dries in minutes at room temperature
- Can be applied over traces made by the conductive pen to protect and insulate trace
- When used to repair solder masks, improves the reliability and safety of circuit board modification

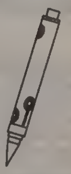


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Color	Price Each	
			1	5
5168-3300C	CW3300C	Clear	17.67	16.78
5168-3300G	CW3300G	Green	18.21	17.29

Conductive Pens

- Use where conductive electronic traces are needed for designing prototype circuits
- Improved conductivity, better trace adhesion, and reduced setting in the pen
- Dries in 3-5 minutes at room temperature
- Spring loaded tip for smooth flow
- Shelf life: 12 months

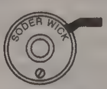


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Circuit Works Part No.	Color	Price Each	
			1	5
5168-2200ST	CW2200STP	Standard tip	22.99	21.84
5168-2200MT	CW2200MTP	Micro-tip	23.71	22.61

SODER-WICK Desoldering Braid SODER-WICK ROSIN SD

"80 Series" Desoldering Fine Braid w/ Static Dissipative Bobbin



Flux coated, meets MIL-F-14256 E type "R" requirements.

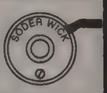
- 5 foot spools

For quantities 200 and up, call for quote.

MOUSER STOCK NO.		Color	Width (in.)	Application	Price Each		
Mfr.	Mfr. Part Number				1	25	100
5878—	80-1-5	White	.030	Micro circuits	3.25	3.09	2.93
5878—	80-2-5	Yellow	.060	Small pads	3.25	3.09	2.93
5878—	80-3-5	Green	.080	Medium pads	3.54	3.36	3.19
5878—	80-4-5	Blue	.110	Large pads	3.93	3.73	3.54
5878—	80-5-5	Brown	.145	Terminals	4.29	4.08	3.88

SODER-WICK Desoldering Braid SODER-WICK NO CLEAN SD

"60 Series" Desoldering Fine Braid w/ Static Dissipative Bobbin



- Leaves no visible residue
- Eliminates cleaning
- 20% faster wicking than rosin coated braids
- 5 foot spools

For quantities 200 and up, call for quote.

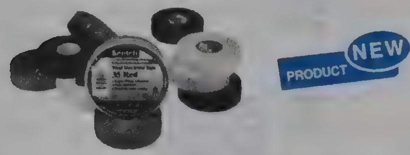
MOUSER STOCK NO.		Color	Width (in.)	Application	Price Each		
Mfr.	Mfr. Part Number				1	25	100
5878—	60-1-5	White	.030	Micro circuits	3.54	3.36	3.19
5878—	60-2-5	Yellow	.060	Small pads	3.64	3.45	3.28
5878—	60-3-5	Green	.080	Medium pads	3.74	3.55	3.37
5878—	60-4-5	Blue	.110	Large pads	4.16	3.96	3.77

VINYL ELECTRICAL TAPE

RoHS Compliant

3M™ Electrical Tape Kit, 5-Pack, Colored

Insulates and protects against abrasion, weather, water, solvent splashes and chemicals. Kit consists of five rolls (1/2" x 240in) of Scotch® 35 Vinyl Electrical Tape. Colors: Blue, Green, Red, Yellow, and White.



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	10
517-10457	10457	5 pack kit	8.72	8.28

Scotch® 35 Tape for Color Coding

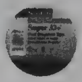
Premium-grade 7-mil flame retardant, weather resistant tape. Other widths and lengths available upon request. Meets requirements of UL 510 and CSA.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-35BL	3/4" x 66' blue	4.62	4.20
517-35GN	3/4" x 66' green	4.62	4.20
517-35WH	3/4" x 66' white	4.62	4.20
517-35YL	3/4" x 66' yellow	4.62	4.20
517-35RD	3/4" x 66' red	4.62	4.20
517-35GR	3/4" x 66' gray	4.93	4.50
517-35OR	3/4" x 66' orange	4.68	4.25
517-35V	3/4" x 66' violet	4.62	4.20
517-35BN	3/4" x 66' brown	4.62	4.20
517-35R	1/2" x 20' red	1.25	1.13

Scotch® Super 33+ Tape

Premium 7-mil, flame retardant, weather resistant tape. Resists temperature and moisture for splicing. Meets requirements of UL 510, HHI-595, CSA 22.2.



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-33	3/4" x 66'	4.91	4.66

Scotch® Super 88 Tape

Premium-grade heavy-duty 8.5 mil, flame retardant, cold and weather-resistant tape with superior cold weather handling features. Meets UL 510, MIL-1-24391, and CSA 22.2.

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-88	3/4" x 66'	5.54	5.26

Scotch® All Weather Telephone Vinyl Plastic Tape 88T

Special formula adhesive and extra tough backing offers you superior adhesion and excellent comformability over extended temperature ranges. Resists water, acids, alkalis. Flame retardant. Temp. Range: -18°C to 105°C

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-88T	1 1/2" x 44'	2.70	2.62

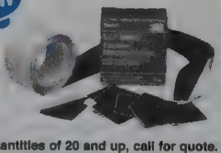
Scotch® Heavy Duty Tape 22

10-mil thick tape offers abrasion resistance and mechanical protection for bus bar insulation. UL 510, ASTM D-2301 Type II and CSA 22.2.

517-22	3/4" x 36 yards	10.19	9.56

Scotch® Electrical Moisture Sealant Tape

Are designed for moisture sealing of electrical connections up to 600 volts. This 45 mil sealant roll is self-fusing, rubber-based thin insulating mastic compounds laminated to a flexible, all-weather grade PVC backing.



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	10
517-06147	06147	2-1/2" x 10ft	21.50	19.75
517-06149	06149	2-1/2" x 2 1/2"	19.50	16.10

SCOTCH® Silicone Rubber Electrical Tape 70 HDT

Tape 70 HDT is a high-temperature arc-and track-resistant tape composed of self-fusing, inorganic silicone rubber and easy-tear and easy-strip liner

- Tapered Edge

517-70HDT	70 HDT	1" x 30ft	56.05	53.24

Highland™ Vinyl Electrical Tape

Flame retardant 7-mil tape used for holding, protecting and insulating. UL Listed for 80°C/176°F.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-Highland	3/4" x 66'	1.92	1.75

Temflex™ Vinyl Electrical Tape 1700

Economy-grade, 7-mil tape. UL Listed and CSA Certified for 176°F and 80°C.

For quantities of 50 and up, call for quote.

517-1700	3/4" x 60'	.75	.73

Temflex™ 2155 Rubber Splicing Tape

Conformable self-fusing rubber electrical insulating tape designed for low voltage electrical insulating and moisture sealing applications.

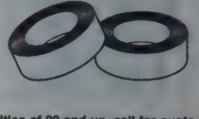
MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	10
517-2155-3/4	2155 3/4" x22ft	3/4" x 22ft	4.30	3.92
517-2155-11.5	2155 1 1/2"x22ft	1 1/2"x22ft	8.61	8.18

INSULATING AND SPLICING TAPE

Scotch® Self-Fusing Silicone Rubber Electrical Tape 70

RoHS Compliant

12-mil tape. High temperature, track-resistant tape composed of fully cured inorganic silicone rubber. Can be used as primary cable insulation or as a protective overwrap for terminating high-voltage wires.



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-70	1" x 30'	33.29	30.24

Scotch® Linerless Rubber Splicing Tape 130C

130C tape is a highly conformable, linerless rubber (EPR), high-voltage insulating tape formulated to provide excellent thermal dissipation of splice heat. It is designed for use in splicing and terminating wires and cables. Meets the requirements of HHI-553C, grade A and B and ASTMD-4388, type III.

RoHS Compliant

For quantities of 20 and up, call for quote.

517-130C-3/4	3/4" x 30'	10.18	9.20
517-130C-1.0	1" x 30'	12.15	11.58
517-130C-1.5	1.5" x 30'	18.30	17.51
517-130C-2.0	2" x 30'	24.08	23.02

Glass Cloth Tape 79

7.4 mil tape. Printable glass cloth tape. Acrylic adhesive backing that is edge-tear resistant, conformable, and solvent resistant. For use as coil cover, anchor and as core, layer and crossover insulation.

RoHS Compliant

For quantities of 20 and up, call for quote.

517-79	1/2" x 60 yards	11.52	10.37

Scotch® Glass Cloth Tape 27 and 69

Woven glass cloth tapes with thermosetting, pressure-sensitive adhesives which electrically insulate and provide mechanical protection at high temperatures.

RoHS Compliant

Scotch® 27 Class B 130°C / 266°F
69 Class H 180°C / 356°F

For quantities of 20 and up, call for quote.

517-27	1/2" x 66 ft	8.43	7.42
517-69	1" x 36 ft	24.62	21.63

DUCT TAPE

6969 Duct Tape Silver

RoHS Compliant

General purpose grade. Polyethylene coated cloth backing with rubber adhesive.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-6969S	2" x 60 yards	11.54	10.60

Scotch® Transparent Duct Tape

Transparent when applied, making repairs less obvious. Lasts up to six times longer than other heavy-duty duct tape. Tears easily by hand lengthwise and crosswise. Adhesive sides are easily separated if they come into contact with each other.

Water and UV resistant

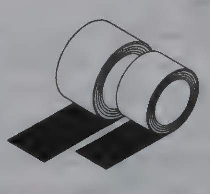
For quantities of 20 and up, call for quote.

517-2120-A	2" X 20 yards	5.41	4.98

ELECTRICAL SEALING AND INSULATING

Scotch® Rubber Mastic Pads 2228

Molds easily around difficult shapes and will insulate, moisture seal, and pad all connections up to 600V.



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
Vinyl			
517-2200A	3 1/4" x 4 1/2" pad	3.25	3.09
517-2200B	6 1/2" x 4 1/2" pad	5.36	4.82
517-2210	4" x 10' roll	49.09	46.63
Rubber			
517-2228	2" x 10' roll	19.60	17.75

ELECTROPLATING & MASKING

Scotch® Polyimide Film Wave Solder Tape 5413

5413 tape has a polyimide Kapton® Type (H) backing that is flame resistant, radiation resistant and chemical resistant. The polyimide Kapton® backing does not soften at elevated temperature, providing an excellent release surface when used at temperatures above 204°C.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-5413-1/2	1/2" x 36 yards	29.95	28.45
517-5413-3/4	3/4" x 36 yards	47.00	42.95

Electronic Film Tape 5419

A polyimide/silicone film tape. Use to provide low static wave solder. Temperature range is 73°C/-100°F to 260°C/500°F

517-5419-1/2	1/2" x 36 yards	29.96	26.98

Circuit Plating Tape 1280

A red polyester-backed tape with special extra-heavy adhesive that provides a superior straight stop-off-line for gold contacts on printed circuit boards. Undercutting and leakers are reduced. For machine and hand application. Temperature range is 8°C/40°F to 77°C/170°F.

517-1280-2.0	2" x 72 yards	34.17	27.15

JOINING, SPLICING, & MOUNTING

Scotch-Mount™ Double Coated Foam Tape

Designed for general purpose mounting and joining; they offer one-piece removal. Their high degree of conformability makes them well suited for joining rough, mismatched surfaces and the opened-cell foam makes excellent water and air seals.

RoHS Compliant

MOUSER STOCK NO.	Description	Price Per Reel	
		1	5
Urethane			
517-4008	1/8" thick 1" x 36 yards	48.78	47.03
517-4016	1/16" thick 1" x 36 yds.	32.82	31.65
Vinyl			
517-4408	1/8" thick 1" x 36 yards	81.20	76.13
517-4416	1/16" thick 1" x 36 yds.	63.43	59.47

Scotch® Double Coated Film Tape

With adhesive on both sides, double coated tapes have more body than adhesive transfer tapes, providing increased dimensional stability, easier handling and easier dispensing. A rugged polyester film paper carrier with high-tack adhesive that provides good initial adhesion on most surfaces.

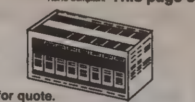
For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	10
517-415	1" x 36 yards	15.83	12.64

3M™ Tapes and EMC Products

RoHS Compliant **This page of product is compliant.**

EMI SHIELDING TAPE ENGINEERING KIT

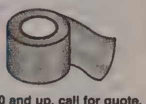


A unique kit with a variety of foil shielding tapes conveniently at hand for design or prototype needs.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
517-FTK	Contains one 3/4" x 4 yard roll of the following: Part 1170, 1181, 1182, 1183, 1190, 1194, 1245, 1267 and 1345	52.40

ALUMINUM FOIL TAPES



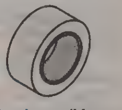
Tapes 425 and 427 are 5 mil nominal dead soft aluminum foil backing combined with a transparent acrylic adhesive. Tape 427 offers an easy-release liner.

- Color: Shiny silver
- Adhesive: Acrylic
- 24 month shelf life

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-425-1	1" x 60 yds	20.93	19.88
517-425	2" x 60 yds	43.70	41.40
517-427	2" x 60 yds	61.95	58.85

WATER-SOLUBLE WAVE SOLDER TAPE



Tape 5414 has a poly-vinyl alcohol backing which is water soluble and a synthetic water soluble adhesive to mask gold fingers on printed circuit boards during wave soldering.

- Adhesive: Water soluble synthetic
- Color: Hazy, transparent
- 12 month shelf life

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-5414	1/2" x 36 yds	32.13	27.19

XYZ-AXIS ELECTRICALLY CONDUCTIVE ADHESIVE TRANSFER TAPES

For reliable and effective attachment of EMI/RFI shields and gaskets to electronic devices.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-9712-1	1" x 36 yds	59.78	56.75
517-9712-1/2	1/2" x 36 yds	35.95	34.00
517-9712-1/4	1/4" x 36 yds	24.00	22.72
517-9713-1	1" x 36 yds	99.95	94.00
517-9713-1/2	1/2" x 36 yds	55.25	52.43

HIGH PERFORMANCE ADHESIVE TRANSFER TAPES WITH 200MP ADHESIVE

Popular choice for graphic attachment and membrane switch applications because it has excellent quality, consistency and durability.

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Size	Price Each	
		1	10
517-467MP-2	2" X 60 yds	35.81	32.22
517-467MP-3	3" x 60 yds	51.45	42.95
517-468MP-2	2" X 60 yds	44.17	39.75
517-468MP-3	3" x 60 yds	53.00	50.00
517-468MP-3/4	3/4" x 60 yds	16.75	16.02

METALLIZED POLYESTER CLOTH TAPE

Lightweight, conformable oxidation resistant and high strength for EMI shielding and grounding.

- Adhesive-Acrylic Conductive

† Coated on Both Sides

For quantities of 20 and up, call for quote.

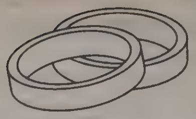
MOUSER STOCK NO.	Description	Size	Price Each	
			1	10
517-2191FR	Nickel on Copper Plated Ripstop	.75" x 21.8yds	83.83	74.24
517-CN-3190	Nickel on Copper Plated Ripstop	.75" x 54.5yds	97.71	86.52
†517-X-7001	Copper-Coated Polyester Fabric	.75" x 10.9yds	61.30	54.29

ASSORTED TAPES

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Backing	Adhesive	Size	Price Each	
				1	10
Aluminum Foil Laminated Tape					
517-AL-36FR	1-mil Alum Foil + Polyester Film	Acrylic Conductive	.75" x 54.5yds	12.47	11.04
Polyimide Film Tape for Insulating and Motor Applications					
517-92-50/36	Polymide Film	Thermosetting Silicone	.50" x 36yds	20.77	18.39
517-92	Polymide Film	Thermosetting Silicone	.75" x 36yds	42.46	38.59
Polyimide Film Tape - Solvent-Resistant					
517-01205-50/36	Polyimide Film	Thermosetting Silicone	.50" x 36yds	18.81	16.66
517-01205	Polymide Film	Thermosetting Silicone	.75" x 36yds	38.42	34.85
Reverse-Embossed Copper Foil for EMI Shielding					
517-3245	1-mil Alum Foil + Polyester Film	Acrylic Conductive	.75" x18yds	33.78	29.91
Conductive Anti-Static Tape w/Symbol					
517-40PR-75/36	Polyester Film	Antistatic Polymer	.75" x 36yds	7.98	7.07
517-40PR-75/72	Polyester Film	Antistatic Polymer	.75" x 72yds	14.87	13.17
517-40PR-50/36	Polyester Film	Antistatic Polymer	.50" x 36yds	5.31	4.70
517-40PR-50/72	Polyester Film	Antistatic Polymer	.50" x 72yds	10.61	9.39

EMI/RFI FOIL SHIELDING TAPES



Copper foil electrical tapes provide an easy-to-apply, timesaving, cost-effective way to shield against EMI/RFI radiation. Foil tapes are conductive through the adhesive and offer mechanical, electrical and thermal values to meet your shielding effectiveness and frequency requirements.

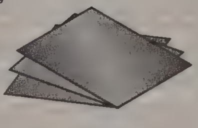
- Meets UL 510 requirements for flame retardency.

† Coated on Both Sides

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Description	Size W x L: in.	Price Each	
			1	10
†517-1170	3.2 Mil Aluminum Foil, Conductive Acrylic,	.75" x 18 yds.	46.07	40.65
517-1170-50/18	2.0 Mil Aluminum Foil, Acrylic Conductive	.50" x 18 yds.	22.51	19.93
517-1181-1.0	1.4 Mil Copper Foil, Acrylic Conductive	1" x 18 yds.	39.02	37.77
†517-1181-1/2	1.4 Mil Copper Foil with smooth finish.	1/2" x 18 yds.	19.98	17.63
517-1182	1.4 Mil Copper Foil, Acrylic Conductive Coated	.75" x 18 yds.	35.81	31.71
517-1183	1.4 Mil Tin Plated Copper Foil, Acrylic Conductive	.75" x 18 yds.	31.96	28.30
517-1194	1.4 Mil Copper Foil, Acrylic Non-Conductive	.75 x 18 yds.	22.86	20.24
517-1245-1.0	Embossed Copper Foil, Acrylic Non-Conductive	1" x 18 yds.	36.33	32.71
517-1245-1/2	Embossed Aluminum Foil, Acrylic Non-Conductive	1/2" x 18 yds.	18.11	16.36
517-1345	Embossed Tin-Plated Copper Foil, Acrylic Non-Conductive	.75" x 18 yds.	40.33	36.67

EMI/RFI SHIELDING ADHESIVE SHEETS



3M™ EMI Shielding products are self-adhesive sheets that are effective in helping control emissions or protect sensitive electronics from radio signal noise. The shielding products reflect or contain radio signals. The adhesive sheet form of these products lets you use it to resolve your EMC challenges quickly and easily.

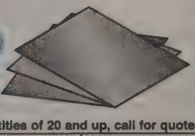
Features:
- Self-adhesive sheet form allows easy prototyping for EMC solutions.
- Available in flat foil, embossed foil, or fabric for a variety of applications.
- Conductive adhesives or embossed backing effectively dissipate EMI charges.

Applications:
- Circuits
- Electronic Devices

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Description	Size W x L: in.	Price Each	
			1	10
Flat Aluminum Foil Sheets				
517-1115-810	5.0mil, Conductive Acrylic	8 x 10	3.30	3.09
517-1120-910	2.0mil, Conductive Acrylic	9 x 10	3.10	2.90
517-1170-7710	2.0mil, Conductive Acrylic	7.7 x 10	3.96	3.70
517-AL25BT-6510	1.0mil, Conductive Acrylic	7.7 x 10	2.13	2.00
Aluminum Foil Laminated w/Polyester Sheets				
517-AL36FR-6510	1.0mil, Conductive Acrylic	6.5 x 10	2.18	2.04
517-AL37BLK-6510	1.4mil, Conductive Acrylic, Black	6.5 x 10	2.05	1.92
Copper Foil Sheets				
517-1125-810	1.4mil, Nonconductive Acrylic	8 x 10	5.85	5.48
517-1181-810	1.4mil, Conductive Acrylic	8 x 10	8.45	7.91
517-1182-7710	1.4mil, Tin Plated, Double Coated Conductive Acrylic	7.7 x 10	6.67	6.24
517-1183-7710	1.4mil, Tin Plated, Conductive Acrylic	7.7 x 10	17.58	16.46
517-1194-810	1.4mil, Nonconductive Acrylic	8 x 10	5.65	5.29
Embossed Foil Sheets				
517-1245-7710	1.4mil, Nonconductive Acrylic, Copper	7.7 x 10	4.44	4.16
517-1267-7710	2.0mil, Conductive Acrylic, Aluminum	7.7 x 10	3.06	2.86
517-1345-7710	1.4mil, Tin Plated Copper, Acrylic Adhesive	7.7 x 10	9.11	8.53
517-3245-6510	1.4mil, Copper, Conductive Adhesive	6.5 x 10	9.06	8.49
Metalized Cloth Sheets, Conductive Acrylic				
517-2191FR-6510	Nickel/Copper Coated Polyester Fabric	6.5 x 10	8.10	7.58
517-AU2190-6510	Gold/Nickel/Copper Coated Polyester	6.5 x 10	25.37	23.75
517-CN3190-10310	Nickel/Copper Plated Polyester Fabric	10.3 x 10	2.16	2.02
517-7830N-0.2	Nickel/Copper Plated Polyester, 0.2mm	6.3 x 6	6.45	6.04
517-7830N-0.5	Nickel/Copper Plated Polyester, 0.5mm	6.3 x 6	8.80	8.24

EMI ABSORBING MATERIALS



EMI Absorbing can suppress radiated noise in broadband frequency. Thin, flexible, and easily die cut.

- Backing: Silicone rubber with magnetic filler
- Self-adhesive sheet allows easy prototyping for EMC solutions
- Nonconductive Acrylic

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Specifications	Size	Price Each	
			1	10
517-AB2020	.27mm, -3dB@800MHz to >6GHz	300x200mm	19.85	17.58
517-AB2100	1.0mm, -5.5dB@800MHz to >6GHz	300x200mm	51.68	45.76
517-AB5010	0.1mm, -3dB@1.2GHz to >6GHz	4.1 x 6.0	8.27	7.75
517-AB5020	0.2mm, -3dB@825MHz to >6MHz	4.1 x 6.0	8.95	8.38
517-AB5030	0.3mm, -3dB@800MHz to >6GHz	4.1 x 6.0	9.97	9.33
517-AB5050	0.5mm, -3dB@700MHz to >6MHz	4.1 x 6.0	10.47	9.81
517-AB5100	0.5mm, -3dB@600MHz to >6MHz	4.1 x 6.0	10.98	10.28
517-AB5010S	0.1mm, -3dB@850MHz to >6GHz	4.1 x 5.8	9.50	8.90
517-AB5020S	0.2mm, -3dB@750MHz to >6GHz	4.1 x 5.8	10.30	9.64
517-AB5030S	0.3mm, -3dB@700MHz to >6GHz	4.1 x 5.8	11.46	10.73
517-AB5050S	0.5mm, -3dB@650MHz to >6GHz	4.1 x 5.8	12.03	11.27
517-AB5100S	1.0mm, -3dB@450MHz to >6GHz	4.1 x 5.8	12.63	11.82

3M™ Down To Earth™ Workstation Monitors and Kits

(formerly Credence Technologies)

3M™ SOLDERING IRON CONTINUOUS MONITOR WORKSTATION

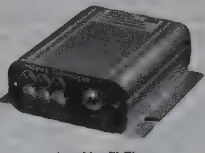
Features:
- Overvoltage (Electric Overstress - EOS) continuous monitoring of each board
- User-adjustable alarm threshold
- Transient signal detection
- Instant feedback to operators
- Identification of exposed boards
- Sound and visual alarms
- Low and High ranges 0...±5V and 0...±50V

Applications:
- Semiconductor Mfg.
- Electronic Assembly
- Repair and Service
- Military/Aerospace
- Medical Environment
- Wherever sensitive components are being handled.

Iron Man™

Iron Man™

3M™ Iron Man™ Soldering Iron continuous monitor instantly alerts an operator of any overvoltage on a circuit board caused by a soldering iron, a poorly-operated operator or tool. In addition, every exposed board is instantly identified. 3M™ Iron Man™ watches for overvoltage on every board in process. Miniature and easy-to-use and install, Iron Man™ belongs on every bench.


Iron Man™ Plus

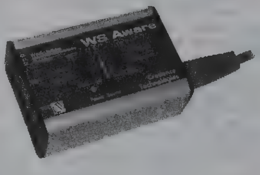
Iron Man™ Plus

Just like the Iron Man™ soldering station, only the Iron Man™ Plus adds wriststrap monitoring for dual-wire wriststraps. It monitors both proper operator connection (resistance) and operator body overvoltage.

Mouser Stock No.	3M Part No.	Description	Price Each	
			1	5
517-CTC330-WW	CTC330-WW	Iron Man™ Soldering Iron Monitor, Universal Power adapter included	126.50	120.18
517-CTC331-WW	CTC331-WW	Iron Man™ Plus W/S Monitor	193.70	184.02
517-CTA251	CTA251	Replacement Jack Board for Monitor	11.16	10.54

3M™ WS AWARE® DUAL WORKSTATION CONTINUOUS MONITOR FOR CRITICAL ENVIRONMENTS

3M™ WS Aware workstation monitor uses the latest advances in digital signal processing to create an ESD-safe environment for your critical applications. Optional 3M™ Big Brother® terminal detects the operator's presence within arm's reach from the workstation. If this operator is not grounded, the WS Aware will raise an alarm.



Features:
- True dual continuous workstation monitor for critical environments
- Wriststrap monitor for two operators - resistance and body voltage
- Two metal/dissipative grounds monitoring
- Monitoring of noise (EMI) on ground
- Ground enable/disable
- Replaceable board with Jacks
- Sound and visual alarms
- Adjustable alarm thresholds
- Output to Facility Monitoring System

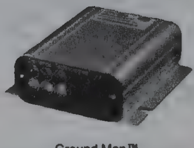
Applications:
- Hard Disk Drive Mfg.
- Semiconductor Mfg.
- Electronic Assembly
- Industrial Automation
- Repair and Service
- Military/Aerospace
- Robotics
- Medical Environment & Facilities
- Wherever grounding is a concern.

Mouser Stock No.	3M Part No.	Description	Price Each	
			1	5
517-CTC061-3WW	CTC061-3-WW	Dual Workstation Monitor	489.44	464.97
517-CTC061-3BBWW	CTC061-3-BB-WW	Dual W/S Monitor with Big Brother Terminals	548.80	521.30
517-CTA245	CTA245	Repl Board w/Jacks for Monitor	13.32	12.58

3M™ GROUND MONITORS

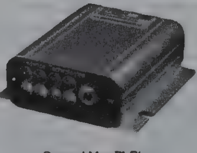
Features:
- Continuous ground monitoring for up to 3 points
- Adjustable alarm threshold
- Ground enable/disable
- Small, space saving design
- Sound and Visual alarms
- Tool connectivity
- Compliant with ANSI 6.1 and ANSI/ESDA S20.20

Applications:
- Hard Disk Drive Mfg.
- Semiconductor Mfg.
- Electronic Assembly
- Industrial Automation
- Military/Aerospace
- Robotics
- Medical Environment and Facilities
- Wherever grounding is a concern.


Ground Man™

Ground Man™

Capable of monitoring up to 3 individual ground points, 3M™ Ground Man™ Monitor shows the status of each ground -- which ones are being monitored with a Pass or Fail status for each. It provides a logic signal to the tool in case of ground or power failure so it will shut down in such unsafe conditions.


Ground Man™ Plus

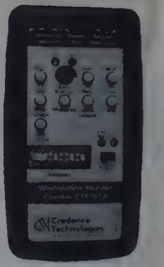
Ground Man™ Plus

Just like the Ground Man™ Ground Monitor, only the Ground Man™ Plus Ground Monitor adds wriststrap monitoring for dual-wire wriststraps. It monitors both proper operator connection (resistance) and operator body voltage.

Mouser Stock No.	3M Part No.	Description	Price Each	
			1	5
517-CTC333-WW	CTC333-WW	Ground Man™ Tool Ground Monitor	169.63	161.14
517-CTC334-WW	CTC334-WW	Ground Man™ Plus Tool Ground & Wriststrap Monitor	218.12	207.21
517-CTA251	CTA251	Replacement Jack Board for Monitor	11.16	10.54

3M™ WORKSTATION MONITOR CHECKER

The 3M™ Workstation Monitor Checker was designed specifically to verify the proper operation of your dual wrist strap and ground monitors.



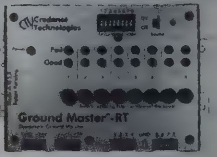
Features:
- 3.5mm Jack for Dual Wrist Strap Monitor Test
- Banana Jack for ground Test and reference grounds
- EMI Button and LED for metal grounds
- Pass/Fail Limits for wrist straps
- High (fail limit) switch for metal ground
- Low (pass limit) switch for metal/soft grounds
- Threshold setting switches
- Body voltage set potentiometer and test button

Applications:
- Hard Disk Drive Mfg.
- Semiconductor Mfg.
- Electronic Assembly
- Industrial Automation
- Military/Aerospace
- Robotics
- Medical Environment and Facilities
- Wherever grounding is a concern.

Mouser Stock No.	3M Part No.	Description	Price Each
517-CTE701	CTE701	Workstation Monitor Checker	890.40

3M™ GROUND MASTER® RT GROUND MONITOR

Capable of monitoring up to 8 individual ground points, 3M™ Ground Master® RT shows the status of each ground: a Pass, Fail, Pass + EMI and not monitored.



Features:
- Continuous ground monitoring for up to 8 points
- Adjustable alarm threshold
- Noise (EMI) monitoring for each ground
- Safety protection for each ground
- Enable switches for each ground
- Tool connectivity
- Can be powered by the tool

Applications:
- Hard Disk Drive Mfg.
- Semiconductor Mfg.
- Electronic Assembly
- Industrial Automation
- Military/Aerospace
- Robotics
- Medical Environment and Facilities
- Wherever grounding is a concern.

Mouser Stock No.	3M Part No.	Description	Price Each
517-CTC065-RT	CTC065-RT	Ground Monitor RT	601.44

3M™ GROUND PRO® GROUND INTEGRITY METER

This meter gives equipment and facility engineers and technicians the ability to accurately and easily measure ground parameters, including connectivity, noise and parasitic voltage on ground.

Features:
- Accurate ground impedance measurements
- Ground Noise (EMI) measurements
- AC and DC voltage on Ground
- Resolution down to 1 milliohm
- Compact and lightweight
- Test Leads autozero
- User friendly
- Easy to read, back-lit display
- ANSI 6.1 and ANSI/ESDA compliant

Applications:
- Hard Disk Drive Mfg.
- Semiconductor Mfg.
- Electronic Assembly
- Industrial Automation
- Military/Aerospace
- Robotics
- Medical Environment and Facilities
- Wherever grounding is a concern.

Mouser Stock No.	3M Part No.	Description	Price Each
517-CTM051	CTM051	Ground Integrity Meter	1114.40

3M™ SCANEM® NEAR FIELD PROBES KITS

These probes are the most versatile, affordable instruments for detecting, locating and measuring electromagnetic emissions. They reliably predict EM behavior and to locate emission sources in a matter of seconds. ScanEM-C probes are used for EMC analysis on a PCB level while the ScanEM-QC probes are used for assessment of electromagnetic compliance of the entire product.

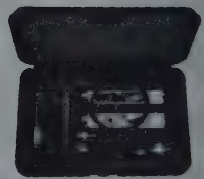
- Each Kit contains E & H Field Probe

CTK019 Shown

Mouser Stock No.	3M Part No.	Description	Price Each
517-CTK015	CTK015	ScanEM-C Near-Field Probes	666.40
517-CTK019	CTK019	ScanEM-QC Near-Field Probes	778.40
517-CTA101	CTA101	Accessory Cable for ScanEM probes	102.40

3M™ EMC TRAINING KIT

This kit contains a set of 3M™ ScanEM®-C near-field probes, a step-by-step guide, EMI Demo fixture, a cable, and adapters in a case.



Features:
- Electric and magnetic fields
- Effects of ferrites and shielding
- Current in ground planes
- Identify and pinpoint exact sources of EMI

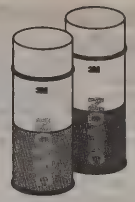
Applications:
- Schools and Universities
- Product design and development
- EMC test and diagnostics
- Signal Integrity Analysis
- EMI mitigation

Mouser Stock No.	3M Part No.	Description	Price Each
517-CTK031	CTK031	EMC Training Kit	890.40

3M™ Cleaners and Static Control Products

NOVEC™ AEROSOL CLEANERS

- Non-ozone depleting
- Contains no nPB, HFCs, or HAPS
- HCFC-141b alternative
- Non-Corrosive
- Non-Flammable

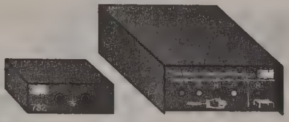


For quantities of 12 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	6
517-32917	Flux Remover 12 oz.	17.76	17.15
517-32925	Electronic Degreaser 12 oz.	17.76	17.15
517-32933	Contact Cleaner 11 oz.	18.85	18.20

WORKSTATION MONITOR

- Continuously monitors the resistance of the work surface, operator, and wiring connections
- Monitors a visitor to the workstation as well as the primary operator
- Uses 2300 Series wrist straps



724 Workstation Monitor w/732 Remote Jack

MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	5
517-724	724	Workstation monitor with 732 remote input jack and mounting hardware	221.21	210.14

WRIST STRAP MONITOR

- Small and compact
- Battery operated
- Continuously monitors one worker
- Uses 2300 Series wrist straps

MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	5
517-725	725	725 Portable wrist strap monitor	101.19	95.31

2300 SERIES DUAL CONDUCTOR CORDS

3M™ Dual Conductor Ground Cord is part of a personnel ground monitoring system. The 3M™ Workstation Monitors Models 724, 725, and 790 use a dual conductor type wrist strap system consisting of a dual conductor wristband and ground cord. The dual system allows for a monitored loop resistance measurement, which includes the wristband contact to the wearer and a redundant grounding path. If one conductor of the system fails, the other can still function maintaining the grounding of the person. As a result, this prevents static from being generated by the person, eliminating possible exposure to static-sensitive electronic components. The 2300 series are compatible with all existing 3M dual conductor fabric, metal, and thermoplastic wristbands.

NEW FROM SUPPLIER

2360, 2370, 2371
2360R, 2370R
2371R
2391, 2392, 2393

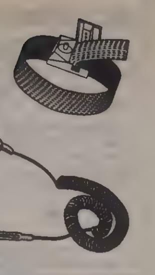
MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	5
Straight Connection				
517-4720	4720	Dual Conductor wrist band, blue	9.16	8.01
517-23600	2360	Coiled, 5 ft. working length	24.24	22.38
517-23700	2370	Coiled, 10 ft. working length	28.14	25.98
517-2371	2371	Coiled, 20 ft. working length	34.35	31.71
517-23680	2368	Dual conductor adj. wrist band	11.95	11.02
Right Angle Connection				
517-2360R	2360R	Coiled, R/A connection, 5 ft. length	25.47	23.35
517-2370R	2370R	Coiled, R/A connection, 10 ft. length	28.75	24.64
517-2371R	2371R	Coiled, R/A connection, 20 ft. length	35.09	30.07
Right Angle Connection with larger Mono Plug O.D.				
517-2391	2391	Coiled, R/A connection, 5 ft. length	25.47	23.35
517-2392	2392	Coiled, R/A connection, 10 ft. length	29.58	27.11
517-2393	2393	Coiled, R/A connection, 20 ft. length	36.09	33.09

ADJUSTABLE FABRIC WRIST STRAPS

The front line of defense in all static control processes. One size adjusts to any size wrist to provide reliable, 360 degree protection.

- Includes alligator clip
- Single Conductor

74P7



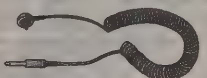
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
		1	5
517-2214	Adjustable band, 5 foot coiled cord	29.90	28.75
517-2204	Adjustable band only	8.79	8.04
517-2210C	5 foot coiled cord only	19.67	18.41
517-22240	Adjustable band, 10 ft coiled cord	35.59	33.33
517-2271	Economy adjustable strap	3.93	3.74
517-2272	Econo. adj. strap w/ 5' coiled cord	9.32	8.41

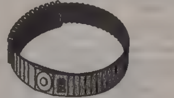
4600 SERIES COST EFFECTIVE WRIST BANDS & CORDS

These wrist bands consist of a molded insulative thermoplastic colored exterior with an integrally molded conductive interior insert and 4mm metal male snap.

A



B



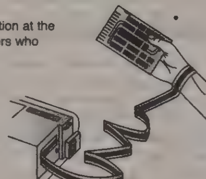
- Includes alligator clip

MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
517-4610	A	5 foot lightweight coiled cord, 4mm snap end	10.27	9.65
517-4611	A	10 foot lightweight coiled cord,4mm snap end	10.25	9.63
517-4620	B	Blue wrist band w/ 4mm stud	3.38	3.21

DISPOSABLE WRIST STRAP

Ideally suited for shipment along with components to ensure protection at the receiving end, or for short-term use in the plant for visitors and others who don't need the durability of a reusable strap.

- 4 ft. Working Length



74P7

For quantities of 500 and up, call for quote.

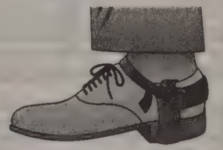
MOUSER STOCK NO.	Price Each			
	1	10	25	100
517-22090	1.44	1.33	1.23	1.15

SHOE GROUNDING ASSEMBLY

Effectively grounds personnel when they are in contact with conductive flooring. To be effective, the shoe grounders must be worn on both feet.

- Elastic ankle strap, one size fits all
- With a 1MΩ resistor

Note: The 2051 Grounding Assembly is not to be used in areas where the individual may come in contact with electrical circuitry exceeding 250 volts.



MOUSER STOCK NO.	Price Each	
	1	5
517-2051	11.68	10.78

DISPOSABLE SHOE GROUND STRAP

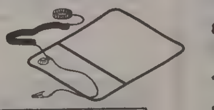
- One size fits all low cut shoes
- Provides a reliable path for static charge to drain to ground when shoes with insulative soles are worn.
- To be effective, grounders must be worn on both feet.

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Price Each		
	1	10	50
517-2045	.54	.51	.48

STATIC-DISSIPATIVE FIELD SERVICE KITS

Static-safe workstations in a portable format for the field service technician.

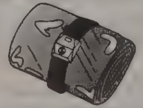


8501 Portable Field Service Kit

- Adjustable fabric wrist band
- Heavy-duty static-dissipative work surface (.021" x 22" x 24") with two 8" x 11" pockets and 5 ft. coiled ground cord
- Common-point ground cord system with 10' section for wrist band and 5' section for mat

MOUSER STOCK NO.	Price Each	
	(1-4)	(5-UP)
517-8501	76.76	73.57

8505 Portable Field Service Kit



- Static-dissipative work surface (.015" x 15" x 20") with pocket
- Adjustable wrist band
- Wrist strap, 5ft. ground cord, 5 ft. extension ground cord, 5 ft work surface ground cord

MOUSER STOCK NO.	Price Each	
	(1-4)	(5-UP)
517-8505	122.40	119.40

ELECTRONICS VACUUM

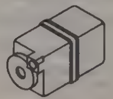
A powerful unit for high efficiency clean up of most business equipment.

Features:

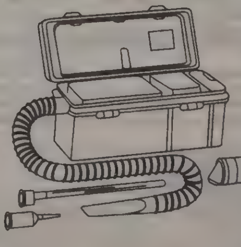
- 1 HP motor
- 3 year warranty
- Stretch hose extends from 2" to 10'
- Comes complete with wand, crevice tool, crevice brush, dusting brush, needle nozzle, and Type 2 filter
- Attachments and power cord store inside door of high impact plastic case
- Portable, quick set up and efficient safe operation

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each
517-497AJM 517-CS1	115V electronics vacuum, 5.0 Amps Optional carrying strap	231.92 16.82
Replacement Filters		
517-SF1 517-MF2	Small Particle: traps extremely fine particles in the range of .3-.5 microns from highly sensitive equipment. Medium Particle: traps toner and dust from copiers, laser printers, and other office equipment.	23.51 22.43



Replacement Filter

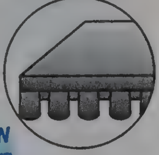


9900 SERIES STATIC CONTROL ANTI-FATIGUE MAT

This 3M™ Static Control Anti-Fatigue mat enable workers to stand comfortably for long periods of time while minimizing the fatigue associated with working while standing. It consists of a matrix of hollow cylinders that function like springs when compressed. This provides a stable surface supported by rubber cells that soften in response to surface activity.

Features:

- Optimized for softness
- Resists bottoming out
- Gets softer as compressed
- Easy to clean surface
- Durable structure and edges
- Encourages blood flow in lower legs
- Provides response to worker movements
- Balances shock absorption and resilience
- Resists warping, bunching, and creeping



Applications:

- Any location where static sensitive electronics are handled
- Where personnel must stand for long periods of time during work.
- OEM assembly, Contract Mfg, Defense/Aerospace
- Medical Electronics and Automotive Electronics

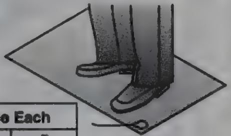
NEW FROM SUPPLIER

- Includes pre-installed 3034 snap and 3040 Ground Cord

MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	5
517-9900	9900	3' X 5' Static Control Anti-Fatigue Mat	330.00	313.50
517-9920	9920	22" Octagonal Shape Anti-Fatigue Mat	109.50	104.03

CONDUCTIVE FLOOR MATS

A conductive floor mat removes static charge from personnel as they approach work areas. It provides significant passive protection in well-traveled assembly areas. Includes two female snaps (installed) and one 15' ground cord with a one megohm resistor.



MOUSER STOCK NO.	3M Part No.	Size (Ft.)	Thickness (in.)	Price Each	
				1	5
517-1864-46	1864 (1/8x4x6)	4 x 6	1/8	355.35	337.58
517-1864-48	1864 (1/8x4x8)	4 x 8	1/8	463.33	440.16

DISSIPATIVE THREE-LAYER TABLE AND FLOOR MATS

8200 series mats have a unique three-layer construction:

The top layer is durable static-dissipative vinyl which has low resistivity to discharge static-laden conductors, yet will prevent the shorting of pins on the backs of printed circuit boards laid on the mat.

The middle layer is a conductive scrim that provides discharge path to ground.

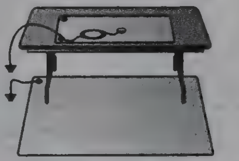
The bottom layer is static-dissipative foam, a durable, nonskid cushion.

Includes 2 female snaps (installed) and one 15' ground cord and ring connector

MOUSER STOCK NO.	3M Part No.	Color	Application	Size (Ft.)	Price Each	
					1	5
517-8211	8211	Brown	Table	2' x 4'	78.52	70.32
517-8213	8213	Gray	Table	2' x 4'	78.52	70.32
517-8214	8214	Blue	Table	2' x 4'	78.52	70.32

WORKSTATION GROUNDING KIT

Ready-to-use kit provides the basic items needed to create a static-safe work environment. Both the floor and table mats are made from soft three-layer static-dissipative material.



Features:

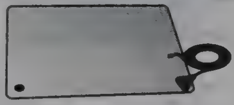
- Table mat: 2 x 4 ft.
- Floor mat: 4 x 6 ft.
- Ground cord: 15 ft.
- Grounding system for wrist strap/table mat
- Adjustable wrist strap

MOUSER STOCK NO.	3M Part No.	Color	Price Each	
			1	5
517-8023	8023	Gray	493.84	465.11
517-8024	8024	Blue	493.84	465.11

DISSIPATIVE RIGID WORK SURFACE

Includes two factory-installed female snap fasteners and grounding system for wrist strap/table mat.

- High abrasion resistance
- Resists scorching and common solvents



MOUSER STOCK NO.	3M Part No.	Color	Size (in.)	Price Each	
				1	5
517-8343	8343	Beige	.125 x 24 x 36	281.89	267.79
517-8344	8344	Gray	.125 x 24 x 36	281.89	267.79
517-8354	8354	Gray	.125 x 24 x 48	320.34	304.32

STATIC CONTROL SURFACES MARK REMOVER 8001

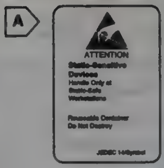
An extra-strength cleaner for removing dirt and stains from all types of static control surfaces, including table and floor mats, hard laminate benchtops, and portable field service kits. It will also remove difficult grime from epoxy or tile flooring. 1 quart spray bottle.

MOUSER STOCK NO.	3M Part No.	Description	Price Each	
			1	12
517-8001	8001 QT	Extra strength water based cleaner	6.84	6.50

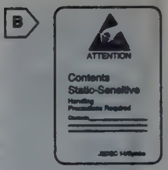
STATIC AWARENESS LABELS

Designed to alert personnel handling bags, boxes or other carriers that the contents are static-sensitive. Available in single use or reusable forms using the accepted industry static symbols: JEDEC-14

- Size: 1 7/8" x 2 1/2"
- Labels per roll: 500
- JEDEC-14 symbol


A
ATTENTION
Static-Sensitive Devices
Handle Only at Static-Safe Workstations
Reusable Container Do Not Destroy
JEDEC 14/Symbol

7101 / Reusable



7102 / Destructible

MOUSER STOCK NO.	3M Part No.	Fig.	Description	Price Per Roll	
				1	5
517-7101	7101 500/Roll	A	Reusable orange with black type	38.26	36.67
517-7102	7102 500/Roll	B	Destructible yellow with black type	42.53	40.76

METAL OUT CUSHIONED STATIC SHIELDING BAGS

Five-layer construction combines static shielding with dissipative open-cell cushioning protects against direct discharge, turboelectric charge, and static fields

- Testable and reusable

MOUSER STOCK NO.	3M Part No.	Description	Price Per Package			
			1	5	10	50
517-2120R-0807	2120R 08X07	8" x 7" pkg/100	135.00	131.54	126.60	123.71
517-2120R-0811	2120R 08X11	8" x 11" pkg/100	168.50	164.58	159.40	154.78
517-2120R-1411	2120R 14X11	14" x 11" pkg/100	261.41	255.31	245.69	240.05
517-2120R-1811	2120R 18X11	18" x 11" pkg/100	313.18	306.24	289.00	282.50

METAL IN STATIC-SHIELDING BAGS

1900 Series

A more economical static-shielding bag for less demanding applications.

MOUSER STOCK NO.	3M Part No.	Description	Price Per Package			
			1	5	10	50
517-1900-35	1900 03x05	3" x 5" pkg./100	9.21	8.61	8.33	8.07
517-1900-44	1900 04X04	4" x 4" pkg/100	8.96	8.56	8.18	7.80
517-1900-46	1900 04x06	4" x 6" pkg./100	10.68	9.99	9.67	9.36
517-1900-424	1900 04X24	4" x 24" pkg./100	27.75	26.51	25.32	24.13
517-1900-58	1900 05X08	5"x8" pkg./100	14.52	13.87	13.24	12.62
517-1900-510	1900 05X10	5"x10" pkg./100	15.93	15.22	14.54	13.87
517-1900-68	1900 06x08	6" x 8" pkg./100	13.05	12.18	11.74	11.50
517-1900-88	1900 08x08	8" x 8" pkg./100	20.20	19.30	18.43	17.57
517-1900-810	1900 08X10	8" x 10" pkg./100	23.50	22.45	21.45	20.45
517-1900-1012	1900 10x12	10" x 12" pkg./100	32.57	30.47	29.50	28.54
517-1900-1014	1900 10x14	10" x 14" pkg./100	38.00	35.56	34.44	33.32
517-1900-1115	1900 11x15	11" x 15" pkg./100	63.13	59.24	53.04	50.41
517-1900-1218	1900 12x18	12" x 18" pkg./100	58.04	54.29	52.59	50.88

1910 Series With Zipper Closure

MOUSER STOCK NO.	3M Part No.	Description	Price Per Pkg.			
			1	5	10	50
517-1910-1818	1910 18x18	18" x 18" pkg./100	121.71	117.66	110.92	107.56
517-1910-1824	1910 18x24	18" x 24" pkg./100	95.60	89.07	86.10	83.13

HINGED CONTAINERS

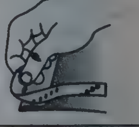
- Injection-molded plastic
- Molded pin hinges that provide better security and reliability than snap hinges
- Noncorrosive and lightweight

For quantities 100 and up, call for quote.

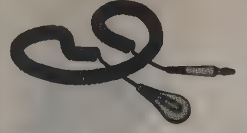
MOUSER STOCK NO.	3M Part No.	Size (in.)	Price Each		
			1	25	50
517-4021	4021	2.88 x 1.19 x .5	1.48	1.41	1.34
517-4022	4022	3.88 x 1.94 x .5	1.71	1.55	1.42
517-4024	4024	7 x 3.5 x 1	4.09	3.70	3.37
517-4025	4025	7 x 5 x .5	10.72	9.76	8.86

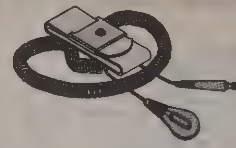
ANTI-STATIC UTILITY TAPE

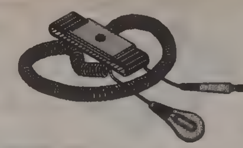
Suppresses static both during unwind from the roll and during removal from a surface. Combines 3M's anti-static adhesive with a clear, one mil polyester film backing. A special pattern of ESD symbols alerts users that this is the only tape that should be used in static-safe areas.

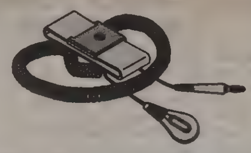


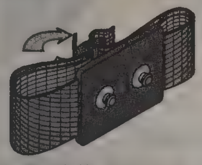
MOUSER STOCK NO.	3M Part No.	Size (in.)	Description	Price Each	
				1	5
517-4034	40PR Tape 3/4"	3/4" x 72 yds.	3" plastic core	16.02	14.02
517-4001	40PR Tape 1"	1" x 72 yds.	3" plastic core	21.90	18.89

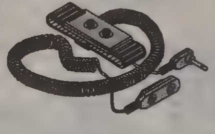
A


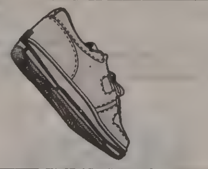
B


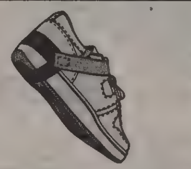
C


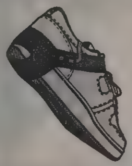
D


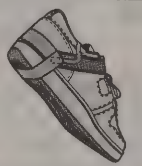
E


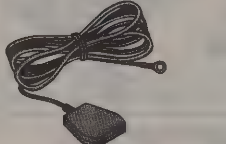
F


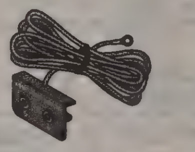
G


H


I


J


K


L


DESCO JEWEL® MAGSNAP WRIST STRAPS

Magnetic connection between wristband and coil cord.

NEW FROM SUPPLIER

Features:
- 1,000,000+ flex cycles
- Made in America
- Color - Onyx
- Meets ESD S1.1
- More reliable design

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-09180	09180	A	6' coil cord	16.72	15.88	15.05
809-09181	09181	A	12' coil cord	19.85	18.86	17.87
809-09182	09182	A	20' coil cord	21.83	20.74	19.67
809-09183	09183	-	Adjustable Elastic wristband	9.90	9.41	8.91
809-09184	09184	B	Adjustable Elastic wrist strap, 6'	26.27	24.96	23.64
809-09185	09185	B	Adjustable Elastic wrist strap, 12'	29.40	27.93	26.46
809-09186	09186	C	Adjustable Metal wristband	19.37	18.40	17.43
809-09187	09187	C	Adjustable Metal Wrist strap, 6'	35.83	34.04	32.25
809-09188	09188	C	Adjustable Metal Wrist strap, 12'	38.96	37.01	35.06

DESCO ELASTIC ADJUSTABLE WRIST STRAPS

Features:
- Extra wide, soft elastic band
- Adjustable
- Locking clasp
- Has silver impregnated nylon knitted on inside for superior conductivity
- Meets ESD S1.1

809-09070	09070	B	Band with 6 foot coil cord	18.90	17.96	17.01
809-09069	09069	B	Band with 12 foot coil cord	20.02	19.02	18.02

DESCO PREMIUM METAL EXPANSION WRIST STRAPS

Features:
- Premium metal expansion wrist strap
- Patented contoured spring supported banana plug
- Superior contact with skin
- Adjustment band changes quickly and easily to any size
- Meets ESD S1.1

809-09041	09041	C	Band only	20.15	19.14	18.14
809-09085	09085	C	Band with 6 foot coil cord	31.79	29.86	28.92

DESCO JEWEL® ELASTIC ADJUSTABLE WRIST STRAPS

Features:
- High visibility
- Patented contoured spring supported banana plug
- Solid stainless steel wrist band stud machined to exacting tolerances and precise profile
- Lifetime warranty on wrist band stud
- Durable, lightweight fabric
- Meets ESD S1.1

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-09100	09100	D	Wrist strap, 6 foot cord, Sapphire	22.64	21.51	20.38
809-09102	09102	D	Wrist strap, 6 foot cord, Ruby	22.64	21.51	20.38
809-09103	09103	D	Wrist strap, 6 foot cord, Topaz	22.64	21.51	20.38
809-09104	09104	D	Wrist strap, 6 foot cord, Emerald	22.64	21.51	20.38
809-09110	09110	D	Wrist strap, 6 foot cord, Amethyst	22.64	21.51	20.38

DESCO ADJUSTABLE ELASTIC DUAL WIRE WRIST STRAPS

Features:
- Use with Desco Dual Wire Continuous Monitor
- Dual Wire Wrist Strap provides redundancy; even if one dual wire wrist strap conductor is severed, operator has reliable path-to-ground with other wire
- 4mm snaps are machined to precision profile from 300 series stainless steel for a consistent and reliable connection.
- Meets ESD S1.1

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-19691	19691	E	Adjustable wristband, 4mm male snaps	8.52	8.11	7.87
809-19690	19690	E	Adjustable wristband with 6 foot Snap-One right-angle coil cord	22.64	21.51	20.38
809-19851	19851	E	Adjustable wristband with 12 foot Snap-One right-angle coil cord	25.59	24.31	23.03

DESCO PREMIUM METAL EXPANSION DUAL WIRE WRIST STRAPS

Features:
- Use with Desco Dual Wire Continuous Monitor
- Dual Wire Wrist Strap provides redundancy; even if one dual wire wrist strap conductor is severed, operator has reliable path-to-ground with other wire
- 300 series stainless steel backplate (0.015" thick).
- Premium metal expansion wristband.

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each	
				1	5
809-19844	19844	F	Wristband only, 4mm male snaps, small	28.14	26.73
809-19842	19842	F	Wristband only, 4mm male snaps, medium	28.14	26.73
809-19840	19840	F	Wristband only, 4mm male snaps, large	28.14	26.73
809-19859	19859	F	Wristband, small, 6 ft Snap-One Coil cord	45.21	42.95
809-19858	19858	F	Wristband, medium, 6 foot Snap-One Coil cord	45.21	42.95
809-19857	19857	F	Wristband, large, 6 foot Snap-One Coil cord	45.21	42.95

DESCO RELAXED RETRACTION COIL CORDS

Features:
- Relaxed retraction strength black PVC
- Superior strain relief tests in excess of 1,000,000 cycles
- Eliminates intermittent failures that occur with less durable single and dual wire cords
- Improved snap design
- Allows cart users to ground carts to common grounding point on bench

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-09480	09480	A	Black, 6 foot cord	12.24	11.02	10.60
809-09680	09680	A	Black, 12 foot cord	15.69	14.12	13.28
809-09682	09682	A	Black, 20 foot cord	17.27	15.54	14.60

DESCO FULL COVERAGE FOOT GROUNDERS

Provides contact with the ESD floor both under the foot's sole as well as the heel area, providing a more reliable path-to-ground than regular heel or toe grounders.

NEW FROM SUPPLIER

Features:
- Revolutionary design
- Easier to install
- Design ensures a snug, reliable fit
- Non-marring inner layer
- Choice when handling HBM class 0 devices
- Neoprene rubber construction ensures durability
- Made in America

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-17284	17284	G	Medium (shoe size 4.5-8.5) 1MEG	17.75	15.98	15.08
809-17285	17285	G	Large (shoe size 9-12.5), 1MEG	17.75	15.98	15.08

DESCO SHOE GROUNDERS

Features:
- Non-marring interior
- Meets ANSI/EIA-625
- Meets MIL-HDBK-263B

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-17200	17200	H	Heel Grounder 1MΩ	9.29	8.82	8.45
809-07590	07590	I	D-Ring Heel Grounder 1MΩ	13.13	12.48	11.82
809-17250	17250	J	Heel Grounder no resistor	11.56	10.98	10.40

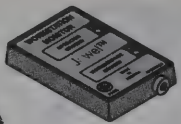
DESCO WORK SURFACE GROUNDING

Features:
- Two banana jacks
- Provides two grounding points for wrist straps or carts
- Ring terminal at end of ground cord
- Allows easy attachment to electrical ground

MOUSER STOCK NO.	Desco Part No.	Fig.	Description	Price Each		
				1	10	25
809-09820	09820	K	Without resistor, 10mm socket, 10 ft cord	15.90	15.11	14.31
809-09825	09825	K	Without resistor, 10mm stud, 15 ft cord	15.90	15.11	14.31
809-09740	09740	L	Dual wrist strap grnd w/o resistor, 10 ft cord	16.97	16.12	15.27

DESCO Static Control and Lead Free Products

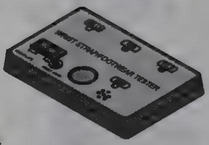
DESCO JEWEL® WORKSTATION CONTINUOUS MINI MONITOR



Features:
- Small size - 2.77" x 2.07"
- Stand-by parking snap
- Provides true 100% continuous monitoring of operator and work surface
- Two 10mm push and clinch sockets included

MOUSER STOCK NO.	Desco Part No.	Description	Price Each	
			1	5
809-19212	19212	Sapphire, 120 Volt, NIST Calibrated	129.69	123.21

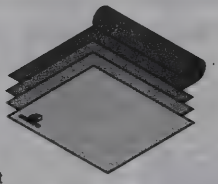
DESCO COMBO TESTER



Features:
- Tests wrist straps and foot grounders
- Positive rocker switch actuation
- LED's display test results
- Battery powered with low-battery indicator

809-19250	19250	Combo Wrist and Footground NIST	252.30	239.69
809-19252	19252	Combo WS and FG with Stand NIST	410.35	389.83

DESCO STATFREE T2™ - DISSIPATIVE DUAL LAYER RUBBER



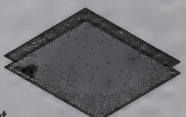
Features:
- Durable rubber material, dissipative (10^6 -10^8 Ω) on one side and conductive on the other
- Versatile and long-lasting product; use as a dissipative work surface table mat.
- Bottom conductive layer provides reliable path to ground, compatible for use with continuous monitors
- Superior heat, chemical, and wear resistance

RoHS Compliant

* Drop Ship Only † Includes groundcord

† 809-66050	66050	Dark Gray, 0.060" x 24" x 36"	76.29	72.48
† 809-66055	66055	Dark Gray, 0.060" x 24" x 48"	94.72	89.98
*809-66080	66080	Roll, Dark Gray, 0.060" x 24" x 40'	613.26	Call
*809-66105	66105	Roll, Dark Gray, 0.060" x 30" x 40'	766.86	Call
*809-66085	66085	Roll, Dark Gray, 0.060" x 36" x 40'	1104.55	Call

DESCO STATFREE B™ - DISSIPATIVE HOMOGENEOUS VINYL



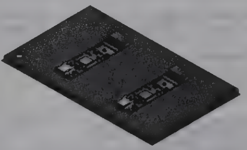
Features:
- 10^7 - 10^8 Ω resistance
- Meets the minimum recommended work surface requirement of ANSI/ESD S20.20
- Reversible extruded homogenous vinyl

RoHS Compliant

* Drop Ship Only

809-16213	16213	Mat Kit, Blue, 0.100" x 24" x 36", Common Point Ground Kit Included	66.69	63.36
809-16214	16214	Mat Kit, Blue, 0.100" x 24" x 48", Common Point Ground Kit Included	80.54	76.51
* 809-16260	16260	Roll, Blue, 0.100" x 24" x 40'	469.37	445.90

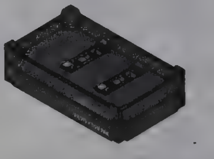
PROTEKTIVE PAK TEK-MATE™ BOARD HANDLERS



Features:
- Portable ESD work surface that can also be used to transport populated but unsoldered circuit boards
- Static dissipative foam (RTT 10^6 - 10^7 ohms) laminated to Protektive Pak® corrugate
- Includes 10mm (3/8") male grounding snap
- Fits most transportation carts
- Buried shielding layer minimizes sloughing and rub-off contamination.

MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-37800	37800	12" x 18" with 10mm male snap	12.28	11.70	11.55
809-39852	39852	12" x 18" with 10mm female snap	11.70	11.12	10.20
809-37801	37801	18" x 24" with 10mm male snap	21.51	20.49	20.10
809-39854	39854	18" x 24" with 10mm female snap	21.51	20.49	20.10

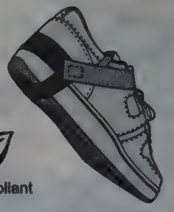
PROTEKTIVE PAK ESD STACKING BOARD HANDLER TRAYS



Features:
- Trays that can stack and nest together for improved use of space
- Great container for Kanban

MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-37750	37750	18" x 11-3/8" x 1-3/4"	11.43	11.12	10.87
809-37751	37751	22 7/8" x 17 1/4" x 2 3/4"	23.55	22.70	22.44

DESCO LEAD-FREE AREA HEEL GROUNDER



Features:
- With 2 Ω Resistor
- Premium tear-resistant rubber
- Interior green rubber layer
- Green hook and loop fastening system
- UL Listed
- Made in America

RoHS Compliant

MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-17260	17280	Heel Grounder, w/2 Meg Resistor	13.91	13.21	12.52

DESCO STATSHIELD® METAL-IN GREEN ESD SHIELDING BAGS

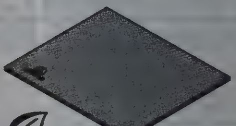
Features:
- ESD Shielding
- Integral antistatic, low tribocharging properties
- Appropriate ESD packaging for Lead-Free RoHS products
- Meets ANSI/ESD S20.20 and MIL-PRF-81705D Type III
- Provides easy identification of Lead-Free assemblies and components in the manufacturing process.

RoHS Compliant

809-12780	12780	4" X 6", 100 Pack	10.28	9.97	9.75
809-12781	12781	5" X 8", 100 Pack	17.47	16.60	15.72
809-12782	12782	6" X 10", 100 Pack	19.73	18.42	17.77
809-12783	12783	8" X 10", 100 Pack	24.07	22.87	21.66
809-12784	12784	8" X 12", 100 Pack	27.00	25.65	24.52
809-12785	12785	10" X 12", 100 Pack	34.77	34.00	32.99
809-12786	12786	10" X 14", 100 Pack	38.00	36.57	35.26
809-12787	12787	10" X 24", 100 Pack	64.00	62.93	61.94
809-12788	12788	12" X 18", 100 Pack	58.20	56.19	54.19
809-12789	12789	15" X 18", 100 Pack	71.00	69.36	68.29
809-12790	12790	18" X 18", 100 Pack	82.56	81.43	78.53
809-12791	12791	18" X 24", 100 Pack	107.00	103.60	102.20

DESCO STATFREE T2™ LEAD-FREE AREA DISSIPATIVE DUAL LAYER RUBBER MATS

These green mats are laser engraved "Lead-Free Workstation" to identify the workstation as a Lead-Free work area.



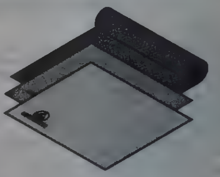
Features:
- Superior heat, chemical and wear resistance
- Dissipative worksurface
- Lightly embossed surface
- Durable rubber material, dissipative on one side and conductive on the other
- Non-humidity dependence
- Dimensionally stable and lays flat
- Lifetime warranty (limited to Electricals)

RoHS Compliant

MOUSER STOCK NO.	Desco Part No.	Description	Price Each	
			1	5
809-66057	66057	.060" X 24" X 36", Green	91.27	86.70
809-66058	66058	.060" X 24" X 48", Green	109.07	103.62

DESCO STATFREE Z2™ LEAD-FREE DISSIPATIVE 3 LAYER VINYL MAT

This green mat is laser engraved "Lead-Free Workstation" to identify the workstation as a Lead-Free work area.

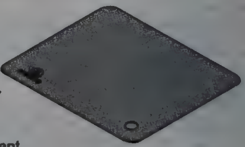


Features:
- Heat fused vinyl composite with top and bottom dissipative vinyl layers
- Conductive grid mesh inner layer
- Abrasion resistant top layer
- Non-humidity dependence
- Dimensionally stable

RoHS Compliant

809-42480	42480	0.125" X 24" x 48", Green	85.86	81.57

DESCO MICASTAT® LEAD-FREE AREA DISSIPATIVE LAMINATE MAT



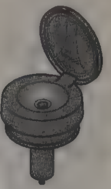
Features:
- High Pressure Laminate
- Low Tribocharging
- Patented Conductive layer
- Mat top kits
- >10E5 and <10E10 RTG
- Lead-free RoHS compliant

RoHS Compliant

809-10393	10393	0.040, 24" X 36", ESD Green	121.94	115.84
809-10394	10394	0.040, 24" X 48", ESD Green	144.40	137.18

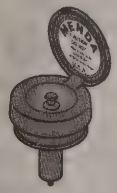
One-Touch

- Will not corrode or contaminate liquid
- Cam-Lock Hinge



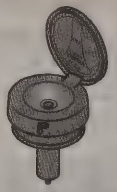
Pure-Touch

- Patented Purity Protector
- Cam-Lock Hinge



Take-Along

- Locking Pump
- Cam-Lock Hinge



Bottle / Pump Type	Chemical						
	Acetone	Gasoline	Isopropyl Alcohol	M.E.K.	Toluene	Turpentine	Water
HDPE/SS	E	E	E	E	G	G	E
Dissipative HDPE/SS	G	G	E	G	NR	NR	E
Glass/SS	E	E	E	E	E	E	E
Tin Coated Steel/SS	E	E	E	E	G	E	NR
HDPE/PP	E	NR	E	NR	NR	NR	E

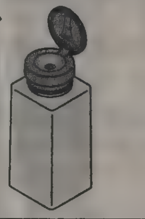
E = Excellent
G = Good
NR = Not Recommended

The applications table at right is to be used as a guideline only. It is the user's responsibility to determine the suitability of a particular fluid dispensed from a Menda pump and bottle.

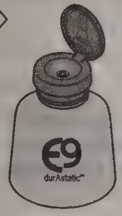
Common Features:

- Patented One Handed Operation
- Precision Machined Valves
- Perfect for ultra clean environments

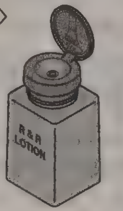
A



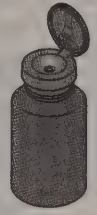
B



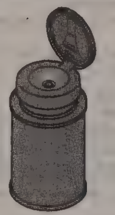
C



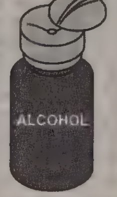
D



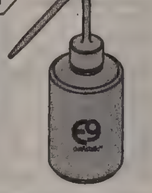
E



F



G



MENDA BOTTLES WITH STAINLESS STEEL PUMP

Natural HDPE

- High density polyethylene
- Square shape for stability
- Translucent white finish
- Wide opening

MOUSER STOCK NO.	Menda Part No.	Fig.	Description		Price Each		
			Pump Style	Bottle Size	1	10	25
809-35304	35304	A	One-Touch	2 oz.	13.17	12.51	11.88
809-35305	35305	A	One-Touch	4 oz.	13.40	12.73	12.09
809-35309	35309	A	One-Touch	6 oz.	13.81	13.12	12.46
809-35312	35312	A	One-Touch	8 oz.	14.04	13.34	12.67
809-35505	35505	A	Pure-Touch	4 oz.	15.89	15.10	14.35
809-35508	35508	A	Pure-Touch	6 oz.	16.23	15.42	14.65
809-35510	35510	A	Pure-Touch	8 oz.	16.46	15.64	14.86
809-35701	35701	A	Take-Along	2 oz.	19.17	18.21	17.30
809-35702	35702	A	Take-Along	4 oz.	19.29	18.33	17.41
809-35704	35704	A	Take-Along	8 oz.	19.52	18.54	17.61

Yellow Dissipative ESD Protective

- No migratory additives
- Reduces the chance for contamination from the bottle
- Highly visible with ESD markings
- Flask style shape
- Available pump styles

809-35354	35354	B	One-Touch	6 oz.	16.05	15.25	14.49
809-35540	35540	B	Pure-Touch	6 oz.	18.54	17.61	16.73

Blue Dissipative ESD Protective

- Low tribo-charging
- Provides stability and saves storage space

809-35337	35337	C	One-Touch	6 oz.	13.15	12.49	11.87
809-35531	35531	C	Pure-Touch	6 oz.	16.83	15.99	15.19

Amber Glass

- Allows storage of fluids not compatible with plastic
- Translucent

MOUSER STOCK NO.	Menda Part No.	Fig.	Description		Price Each		
			Pump Style	Bottle Size	1	10	25
809-35315	35315	D	One-Touch	4 oz.	14.04	13.34	12.67
809-35112	35112	D	Pure-Touch	4 oz.	16.46	15.64	14.86

MENDA STEEL CAN WITH STAINLESS STEEL PUMP

- Steel construction
- Allows storage of fluid not compatible with plastic

MOUSER STOCK NO.	Menda Part No.	Fig.	Description		Price Each		
			Pump Style	Bottle Size	1	10	25
809-35335	35335	E	One-Touch	4 oz.	15.89	15.10	14.35

MENDA HDPE WITH PLASTIC PUMP

- High density polyethylene
- Perfect for alcohol dispensing
- Reduces odors and maintains purity
- Available with alcohol imprint for demarcation

MOUSER STOCK NO.	Menda Part No.	Fig.	Description	Price Each		
				1	10	25
809-35601	35601	F	8 oz. Brown, with imprint	6.24	5.93	5.63
809-35602	35602	F	8 oz. Brown, no imprint	6.07	5.77	5.48
809-35603	35603	F	8 oz. Natural, no imprint	6.07	5.77	5.48

MENDA GREEN DISSIPATIVE ESD PROTECTIVE WASH BOTTLE

NEW FROM SUPPLIER

Specifically for use in lead-free areas where RoHS compliant items are worked on.

- Angled non-drip spout delivers single drop or fine stream
- Provides controlled delivery of solvents, cleaners, water, and oils.
- No migratory additives - Reduces chance for contamination from the bottle.
- High visibility

MOUSER STOCK NO.	Menda Part No.	Fig.	Description	Price Each		
				1	10	25
809-35369	35369	G	8oz. Green Dissipative Wash Bottle	19.05	18.54	18.02

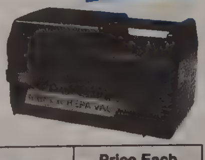
MENDA HEPA HIGH PERFORMANCE VACUUMS

NEW PRODUCT

ESD Safe for cleaning debris from surface mount, pick and place, board routers/handlers and other equipment in your ESD protective areas.

- .12 micron HEPA filtration for lead, glass, pollen, soot, etc.
- ESD protected utensils included
- Great for field service applications
- Only 6.5lbs with all utensils
- Made in America
- ESD Protected
- RoHS Compliant

RoHS Compliant



MOUSER STOCK NO.	Menda Part No.	Description	Price Each	
			1	5
809-35852	35852	120VAC HEPA Vacuum	278.75	264.81
809-35857	35857	120VAC HEPA Vacuum w/ Case & Extra Filter	388.46	369.05
809-35844	35844	220VAC HEPA Vacuum	349.23	331.76
809-35855	35855	Replacement Filter for HEPA Vacuum	44.13	41.92

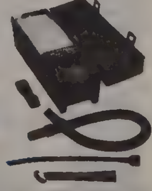
MENDA OMEGA FIELD VACUUMS

Ideal for cleaning tape and components from feeder trolleys on pick & place machines. Also used for cleaning automated insertion machines, copiers, computers, printers, lab equipment and x-ray machines.

- ESD protected vacuum with electronic line filter
- 25% better 0.3 micron filtration
- Attachments included
- UL Listed, UL/Canada Listed
- Portable, quick set up
- RoHS Compliant
- Made in America

RoHS Compliant

NEW PRODUCT

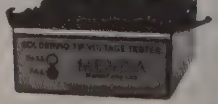


MOUSER STOCK NO.	Menda Part No.	Description	Price Each	
			1	5
809-35849	35849	120VAC Field Vacuum	309.46	293.98
809-35848	35848	220VAC Field Vacuum	335.49	318.71
809-35853	35853	Replacement Filter for Field Vacuum	21.04	19.99
809-35860	35860	Replacement Hose (6 ft) for Field Vacuum	54.61	51.88

MENDA SOLDER TIP TESTER

NEW PRODUCT

- AC ground monitoring system
- LED pass/fail and audible alarm
- Ground and sensor cable harness
- Made in America
- Battery Power standard (2-AAA) or AC power optional



Tests your soldering tip to make sure it is grounded.

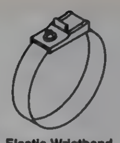
MOUSER STOCK NO.	Menda Part No.	Description	Price Each	
			1	5
809-35110	35110	Solder Tip Tester	205.53	195.23

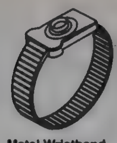
Static Control Products

SPI ADJUSTABLE WRIST BANDS

Single Wire Wrist Straps

- Comfortable, yet durable elasticized fabric band or long-wearing, superior contact metal band
- Adjustable
- 4mm snap
- Coil cord includes 1MΩ resistor


Elastic Wristband


Metal Wristband

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each	
			1	10
809-SP106B-B-P	95120	Elastic wristband, cap latch	4.41	4.28
809-SP106B-B6-P	95099	Elastic wristband, cap latch, 6' coil cord	8.76	8.32
809-SP1079B-B3	95130	Elastic wristband, slide lock	5.15	4.93
809-SP1079B-B36	95141	Elastic wristband, slide lock, 6' coil cord	8.41	8.18
809-95175	95175	Elastic wristband	4.70	4.47
809-95177	95177	Elastic wristband, 6' coil cord	9.63	9.15
809-95178	95178	Elastic wristband, 12' coil cord	11.63	11.05
809-SP1035B-BLK-P	95007	Metal wristband, black	9.79	8.95
809-95176	95176	Metal wristband, blue	11.27	10.71
809-95179	95179	Metal wristband, blue,6' coil cord	16.47	15.65
809-95180	95180	Metal wristband, blue,12' coil cord	18.47	17.55
809-SP106-E6-P	95097	Elastic wriststrap, cap latch, 6' coil cord	7.41	7.19

SPI COIL GROUND CORDS

- Equipped with 1MΩ resistor
- 4mm sockets

Banana Plug

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each	
			1	10
809-SP1094-6-P	95318	6' with banana plug	5.51	3.70
809-SP1094-12-P	95317	12' with banana plug	7.63	4.41

SPI LEAD FREE AREA ESD SHOP TRAVELER

- RTT: <10^{11}Ω, meeting S20.20 and packaging ESD S541 standard
- Integral static dissipative properties
- Document holder
- Made in USA

RoHS Compliant

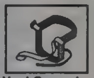
For quantities of 50 and up, call for quote.

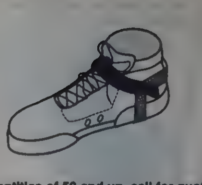
MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each	
			1	10
809-97022	97022	Shop traveler, 9.25" x 12", 100-pack	34.25	32.54

SPI SHOE GROUNDERS

Lead Free Area Heel Grounder

- Green hook and loop fastening system
- Interrior green rubber layer is non marring on footwear
- Premium tear resistant rubber
- 2MΩ resistor - complies with UL and OSHA standards
- Made in USA


Heel Grounder



For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each	
			1	10
809-95222	95222	Heel Grounder with Shoe Insert	14.31	13.59

Standard Heel Grounder

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each	
			1	10
809-SP1042-HR	95205	Heel Grounder with Shoe Insert	6.89	5.57

SPI DISSIPATIVE TABLE MATTING

BRD Series

- Three layer Blue or Gray
- Excellent ESD properties. ideal for use where static is a problem
- Extremely durable heavy vinyl surface, conductive center
- Other cut sizes available

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each	
			1	2
809-SP2114-101	96124	.125" x 24" x 48", Blue	58.27	52.44
809-SP2114-102	96125	.125" x 24" x 48", Gray	58.27	52.44

TLR Series

- Other cut sizes available
- Two layer Blue or Gray
- Volume electrical properties protect static sensitive products
- Static dissipative top layer with a conductive bottom of synthetic rubber

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Description	Price Each	
			1	2
809-SP2214-101	96216	.078" x 36" x 48", Blue	49.14	46.79
809-SP2214-102	96217	.078" x 36" x 48", Gray	49.14	46.79

SPI ESD TAPE

Conductive Grid Tape

- 1" x 36 yards on 3" core

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	SPI Westek Part No.	Price Each	
		1	2
809-SP6252	96949	5.15	4.89

Warning Floor Tape

- 3" x 54 feet

For quantities of 5 and up, call for quote.

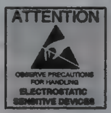
MOUSER STOCK NO.	SPI Westek Part No.	Price Each	
		1	2
809-SP6320	96971	16.81	15.97

DESCO STATFREE® CONDUCTIVE FOAM

Features:
- Antistatic, low tribo-charging
- Dissipative - corrosion resistant
- Uniform protection
- 10^3 - 10^5 Ω

MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-12660	12660	Cross Linked, 1/4" x 24" x 35"	52.51	49.88	47.26
809-12250	12250	High Density, 1/4" x 24" x 36"	22.26	21.15	20.03
809-12350	12350	High Density, 3/8" x 24" x 36"	35.96	34.16	32.36
809-12450	12450	High Density, 1/2" x 24" x 36"	46.31	44.00	41.68
809-12550	12550	High Density, 3/4" x 24" x 36"	54.73	52.00	49.26

DESCO ESD SUSCEPTIBILITY LABELS

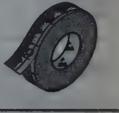


- Identifies that ESD controls are required to protect items.
- 500 labels per roll

809-06722	06722	2" x 2", roll	11.90	11.02	10.71
809-06730	06730	2" x 2" Reusable, roll	11.60	11.02	10.44

DESCO ANTISTATIC CLEAR CELLULOSE TAPE

Features:
- Ideal in packaging for container sealing, static shielding bag closure, and holding DIP tubes
- Prevents damage to sensitive electronic components in manufacturing



MOUSER STOCK NO.	Desco Part No.	Description	Price Each		
			1	10	25
809-79210	79210	Cellulose with symbols .75" x 72 yards	7.30	6.94	6.57
809-79211	79211	Cellulose with symbols 1" x 72 yards	9.55	9.10	8.65

DESCO STATSHIELD® TRANSPARENT METAL IN STANDARD ESD SHIELDING BAGS

Features:
- 40% light transmission
- Integral antistatic, low tribo-charging properties
- Polycarbonate compatible containing no amines or N-octanic acid

809-13415	13415	4" x 6" 100-pack	6.65	6.31	5.99
809-13430	13430	5" x 8" 100-pack	10.40	9.98	9.39
809-13445	13445	6" x 10" 100-pack	12.50	12.00	11.50
809-13465	13465	8" x 12" 100-pack	22.21	21.15	20.14
809-13470	13470	10" x 12" 100-pack	23.74	22.61	21.53

MG CHEMICALS Cleaners, Degreasers, and Cold Sprays

SUPER COLD 134A

Used to locate thermal intermittent electronic components, PCB cracks, cold solder joints, and oxidized junctions. Freezes gum and adhesives for easy removal. Protects heat-sensitive components during soldering. Chills to- 51°C (-60°F)

Features:

- 100% HFC 134A gas
- 100% Ozone safe
- Zero residue
- Variable valve allows greater user control

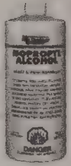
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-403A-285G	403A-285G	Aerosol 285G (10 oz)	8.75	8.31
590-403A-400G	403A-400G	Aerosol 400G (14 oz)	11.75	11.16

CLEANER AND DEGREASERS

Isopropyl Alcohol

Used as a general all-purpose cleaner. Very effective as a flux remover. Also used on cleaning PC boards, Fiber optics, Semi-conductors and Connectors and contacts. Safe on plastics. 99.953% Pure Anhydrous

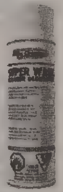


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-824-100ML	824-100ML	Liquid 100ml (3.5 oz)	4.94	4.69
590-824-500ML	824-500ML	Liquid 500ml (16 oz)	7.94	7.55
590-824-450G	824-450G	Aerosol 450G (16 oz)	9.94	9.44
590-824-1L	824-1L	Liquid 1L (35 oz)	9.95	9.45
590-824-W	824-W	5" x 8" single wipes	.56	.54
590-8241-T	8241-T	90 wipes in tub	8.95	8.50

Super Wash

Use when a rapidly drying cleaner degreaser is required. Perfect for quickly cleaning PC boards. Rapid dry time makes this product an excellent product for rinsing away other slower drying solvents. Also great for rinsing dissolved flux. Extremely flammable.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-406B-425G	406B-425G	Aerosol 425G (16 oz)	14.43	13.74

Safety Wash

Effective at removing oils, greases, inorganic and organic soils, smoke, flux, and ionic residues from PC boards, office and medical equipment, connectors, electronic or mechanical parts, relays and semi-conductors. Flammable.

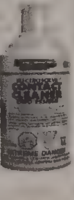
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-4050A-450G	4050A-450G	Aerosol 450G (16 oz)	13.67	12.81

CONTACT CLEANERS

Electrosolve Contact Cleaner

Use when a zero residue contact cleaner is required. An effective and powerful cleaner that quickly penetrates and dissolves most soil types. For use on most electronic parts and equipment including connectors, contacts, LED's, PCB's components, circuit breakers, tuners and microprocessors.

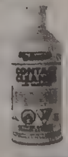


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-409B-140G	409B-140G	Aerosol 140G (5 oz)	5.75	5.46
590-409B-340G	409B-340G	Aerosol 340G (12 oz)	10.95	10.40

Contact Cleaner with Electronic Grade Silicones

Cleans and protects with electronic grade silicones for lubrication. Suitable for use on tuners, switches, locks, contacts, office equipment, keyboards, and plastic parts.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-404B-140G	404B-140G	Aerosol 140G (5 oz)	5.75	5.46
590-404B-340G	404B-340G	Aerosol 340G (12 oz)	10.95	10.40

CONTACT CLEANERS (CONT.)

Super Contact Cleaner

Use when requiring a contact cleaner with lubrication that offers long-term protection from oxidation. Reduces contact scrubbing and reduces connection wear and abrasion failures. Protects, lubricates and deoxidizes ICs, connectors, jacks, relays, controls, potentiometers and more. Safe on plastics.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-801B-125G	801B-125G	Aerosol 125G (4.5 oz)	9.75	9.26

FLUX AND FLUX REMOVERS

ROSIN FLUX

Use for leaded and lead free soldering. Fully activated. Offers superior fluxing ability. Instant wetting. After soldering, the rosin residue is non-corrosive, non-conductive, moisture and fungus resistant.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-835-100ML	835-100ML	Liquid 125ml (4.2 oz)	6.46	6.13

HEAVY DUTY FLUX REMOVER

Penetrates to quickly remove all non-ionic and ionic soils found in post-solder applications. Will harm delicate plastic components. Excellent for dissolving flux on the solder side of PC boards. Evaporates quickly.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-413B-425G	413B-425G	Aerosol 425G (15 oz)	12.75	12.11

FLUX REMOVER FOR PC BOARDS

A special blend of ethyl alcohol, isopropanol and ethyl acetate. Excellent for removing rosin, non-rosin, no clean fluxes, and ionic contamination. Safe on plastic components. Moderate evaporation.

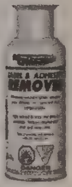
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-4140-400G	4140-400G	Aerosol 400G (14 oz)	10.92	10.40

SPECIALIZED CLEANERS

Label and Adhesive Remover

Effectively removes adhesives and sticker residues. Pleasant odor makes product easy to work with.



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-836-140G	836-140G	Aerosol 140G (5 oz)	7.45	7.08

Glass Cleaner

For use on glass monitor screens, bar code readers and glass. No harmful solvents.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-825-500G	825-500G	Aerosol 500G (18.5 oz)	4.95	4.70

Rubber Renue

Rejuvenates and conditions rubber. Apply with a cloth, brush or swab to bring belts, platens, rollers, and rubber parts back to life. Use with adequate ventilation.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-408A-100ML	408A-100ML	Liquid 100ml (4 oz)	5.75	5.46
590-408A-250ML	408A-250ML	Liquid 225ml (7.6 oz)	8.94	8.49

LCD Cleaning Wipes

Non-streaking • Anti-static • Germicidal

Gentle formulation safely cleans LCD and plasma screens, including laptops. Also effective for killing germs on telephones, keyboards, peripherals, or desktops. (90 wipes)

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each	
			1	5
590-8242-T	8242-T	Tub 12.7x15.2cm (5"X6")	7.95	7.55

MG CHEMICALS Silicones, Epoxies, and Kits

GE RTV SILICONES

Their primary uses are for adhering, bonding part together; sealing out moisture, environmental contaminants and UV; insulating against mechanical stress, vibration and the effects of thermal cycling; providing electrical protection; and for formed-in-place gasketing (FIPG).

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Type	Color	Features	Price Each	
						1	5
590-RTV102-85ML	RTV102-85ML	85 mL 2.8 oz, Tube	Paste	White	High Performance	5.95	5.65
590-RTV103-85ML	RTV103-85ML	85 mL 2.8 oz, Tube	Paste	Black	High Performance	5.95	5.65
590-RTV106-85ML	RTV106-85ML	85 mL 2.8 oz, Tube	Non-Conductive Paste	Red	High Temperature	24.68	24.05
590-RTV108-85ML	RTV108-85ML	85 mL 2.8 oz, Tube	Paste	Translucent	High Temperature	5.95	5.65
590-RTV112-85ML	RTV112-85ML	85 mL 2.8 oz, Tube	Flowable	White	High Performance/Strength	30.90	28.84
590-RTV118-85ML	RTV118-85ML	85 mL 2.8 oz, Tube	Flowable	Translucent	High Temperature	27.07	26.47
590-RTV167-85ML	RTV167-85ML	85 mL 2.8 oz, Tube	Paste	Gray	High Strength	42.75	41.79
590-RTV230-274ML	RTV230-274ML	274ml (9.2oz) 2 Component Cartridge	Thixotropic Paste	White	High Performance, Fast Cure	24.86	23.61
590-RTV5818-300ML	RTV5818-300ML	300mL (10 oz), Cartridge	Non-Conductive Paste	Translucent	Fast Cure, High Strength	14.23	13.89
590-RTV162-85ML	RTV162-85ML	85 mL 2.8 oz, Tube	Non-Conductive Paste	White	Mil Spec & UL recognized	33.07	32.23
590-RTV11-1P	RTV11-1P	1 pint, 1 lb.	Flowable-SS4155 Primer Req.	White	Potting High Voltage App	75.46	73.02
590-RTV12A-1G	RTV12A-1G	9.5 lbs, Pail	Base	Clear	Low Viscosity, RTV12C Req	329.69	306.14
590-RTV615-1P	RTV615-1P	1 pint, 1 lb kit	Flowable	Clear	Two-Part, SS4120 Required	146.77	143.45
590-RTV615-1G	RTV615-1G	1 gallon, 10 lbs. kit	Flowable	Clear	Two-Part, SS4120 Required	638.11	595.53
590-RTV630-1P	RTV 630-1P	1 pint, 1 lb kit	Two-Part, Non-Corrosive	Blue	High Strength, use w/SS4155	110.72	108.22
590-RTV88-1P	RTV88-1P	1 pint, Pail	Paste	Red	Extreme High Temp, two part	81.19	79.37
590-RTV60-1P	RTV60-1P	1 pint, Pail	Pourable Paste	Red	Extreme High Temp, two part	87.37	85.40
590-RTV60-1G	RTV60-1G	1 gallon, Pail	Pourable Paste	Red	Extreme High Temp, two part	953.12	885.04
590-TSE3331-2QT	TSE3331-2QT	2 quart, 4 lbs. kit	Two-Part	Dark Gray	Therm Conductive, Flame-Ret	310.42	288.25
590-TSE3941-333ML	TSE3941-333ML	333mL (10 oz), Cartridge	Flowable Paste	White	Fast Cure, Therm. Conductive	109.26	98.34

ENCAPSULATING AND POTTING EPOXY COMPOUNDS

Protects sensitive components from impact, vibration, heat, shock, conductivity, moisture, chemicals, and analysis.

Features:
- Non-conductive
- Water and chemical resistant

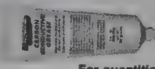
Features:
- Type: 832B and 832C-General Purpose, 832FRB-Flame Retardant, 832-TC-Thermally Conductive

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Color	Price Each	
				1	5
590-832B-375ML	832B-375ML	375ml (12 oz)	Black	25.46	24.18
590-832B-3L	832B-3L	3L (.8 gal)	Black	110.00	107.25
590-832C-375ML	832C-375ML	375ml (12 oz)	Clear	24.95	23.70
590-832C-3L	832C-3L	3L (.8 gal)	Clear	105.00	102.38
590-832FRB-375ML	832FRB-375ML	375ml (12 oz)	Black	28.95	27.50
590-832FRB-3L	832FRB-3L	3L (.8 gal)	Black	131.93	128.64
590-832-TC-450ML	832-TC-450ML	450ml (16 oz)	Black	26.95	26.95

THERMAL MANAGEMENT GREASES AND LUBRICANTS

Lubricate and protect connections from moisture and corrosion. Formulated to improve electrical and thermal conductivity.



For quantities of 10 and up, call for quote.

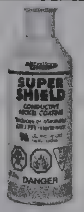
MOUSER STOCK NO.	MG Chemicals Part No.	Size	Type	Price Each	
				1	5
590-846-80G	846-80G	80g (5 oz) Tube	Carbon Conductive Grease	10.95	10.95
590-8461-85ML	8461-85ML	85ml (3 oz) Liquid Tube	White Lithium Grease	6.95	6.95
590-8462-85ML	8462-85ML	85ml (3 oz) Liquid Tube	Translucent Silicone Grease	10.95	10.95
590-860-150G	860-150G	150g (5 oz) Tube	Silicone Heat Transfer Compound	13.37	12.70

SUPER SHIELD CONDUCTIVE COATING

A general purpose EMI/RFI shielding spray for use on plastic electronics enclosures. Consists of a tough, durable acrylic base pigmented with a high purity nickel flake. Surface resistance of approximately 0.7 Ω.

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Price Each
590-841-340G	841-340G	Aerosol 340g (12 oz)	27.95



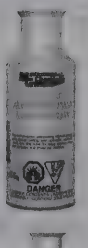
LUBRICANTS

Super Penetrating

Use when you need a lubricant that cleans, protects, and lubricates. Protects against rusting and corrosion. Penetrates rusted nuts and bolts for easy removal. Drives out moisture and safe on plastics and metals. Contains contact and vapor phase inhibitors that prevent corrosion in both operating and idle conditions, even in very humid atmospheres.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Price Each	
			1	5
590-8472-125G	8472-125G	125g (4.4 oz)	4.45	4.23

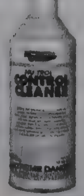


Nutrol Control Cleaner

Cleans and lubricates controls, locks, hinges, selector switches, office equipment, power tools, clock mechanisms, and delicate mechanical equipment. Fast dry. Safe on plastics.

For quantities of 10 and up, call for quote.

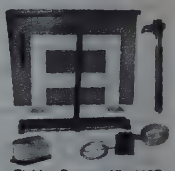
MOUSER STOCK NO.	MG Chemicals Part No.	Size	Price Each	
			1	5
590-401B-140G	401B-140G	Aerosol 140G (5 oz)	5.75	5.46
590-401B-340G	401B-340G	Aerosol 340G (12 oz)	10.95	10.40



PROTOTYPING KITS

Professional Etching Process Kit: 416E

Etches copper clad circuits professionally. Accommodates two 8" x 12" 2-sided CCBs


Etching Process Kit: 416E

Includes:
- 7 litre heavy duty Polyethylene etching tank
- Sturdy mounting bracket
- Clear acrylic lid
- Heavy duty air pump
- 3-way adjustable airline manifold
- Triple line sparging unit
- 200 watt side mounting immersion heater w/ quartz element and adjustable temperature control
- Adhesive digital thermometer
- Bag of vinyl gloves
- Complete instructions
- Maximum board thickness: .062"
- Contains no chemical products

Economy Etching Process Kit: 416-ES

Ideal for Students and hobbyists. Accommodates two 8" x 9" 2-sided CCBs

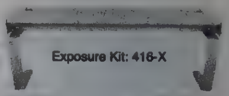
Includes:
- 5 litre etching tank
- Air pump and tubing
- Sparging unit
- Vinyl gloves
- Complete instructions
- Contains no chemical products

Economy Etching Process Kit: 416-ES

Exposure Kit: 416-X

Convenient kit includes major components required to expose presensitized copper-clad boards.

Includes:
- Exposure Tube
- Clear acrylic weight for artwork
- Fluorescent light fixture w/ stand (brackets)
- Complete instructions


Exposure Kit: 416-X

For quantities of 5 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Price Each
590-416E	416-E	Professional Etching Process Kit	159.00
590-416ES	416-ES	Economy Etching Kit	31.95
590-416X	416-X	Exposure Kit	31.95

TOUCH PUMP SOLVENT DISPENSER

- Easy twist-lock for safe storage
- Convenient drop-at-a-time dispensing
- This pump features a high-density polyethylene 8 oz. bottle suitable for many solvents.
- Compact design provides stability and saves storage space.
- Dispenser is also wide opening and allows for easy fill.
- Translucent bottles allow for easy viewing of contents.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Description	Size	Price Each	
				1	5
590-8232-8	8232-8	Touch and Go Pump	237ml (8 oz)	14.86	14.12

EPOXIES

Silver Conductive Epoxy

This two part silver epoxy offers high electrical conductivity and strong conductive bonding. Use in place of traditional soldering on heat sensitive components. Good for repairing defective traces and creating jumpers on boards.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MG Chemicals Part No.	Size	Price Each	
			1	5
590-8331-14G	8331-14G	Two 7G syringes, 3ml each	19.95	18.95

High Temperature Epoxy Encapsulating & Potting Compound

Use in electronic assemblies to prevent vibration damage. Encapsulate circuits for the purpose of technological protection.

590-832HT-375ML	832HT-375ML	Liquid 375ml (12 oz)	26.95	25.20
590-832HT-3L	832HT-3L	Liquid 3L (0.8 gal)	134.49	131.13

Fast Set Epoxy

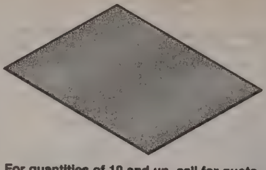
Provides 2300 psi bonding strength to paper, wood, metal, and ceramics. It gives good resistance to water, salt spray, inorganic acids and bases, & most organic solvents. Easy 1:1 mixing ratio. Fast setting (5 minutes).

For quantities of 10 and up, call for quote.

590-8332-25ML	8332-25ML	Dual Syringe 25ml (1 oz)	5.90	5.61

MG CHEMICALS Copper Clad Boards & Prototyping Products

COPPER CLAD BOARDS

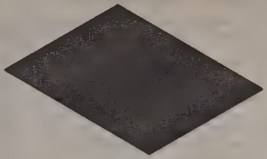


We offer 1/16, 1/32 and 1/64 FR4 laminate with 1 ounce copper per square foot. This flame retardant laminate is translucent in color and made of continuous woven glass cloth impregnated with epoxy resin. The copper on 1 ounce board is 1.34 mil thick (0.0341mm). The boards are made of FR4 which is a flame retardant version of G-10 material. Developed specifically for the circuit processing industries requirements. Complies with Mil-S-13949H-GFK. Provides ultraviolet blocking and fluorescence when using automated optical inspection (AOI). UL #E37002A

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	PCB Thickness	Dimension (in.)	Copper	Price Each	
Mfr. / Mfr. Part No.				1	5
Single Sided					
590—503	1/16	3" x 5"	1oz.	2.75	2.61
590—506	1/16"	4" x 6"	1oz.	2.96	2.78
590—509	1/16"	6" x 6"	1oz.	4.25	4.04
590—512	1/16"	6" x 9"	1oz.	5.95	5.65
590—515	1/16"	8" x 10"	1oz.	7.50	7.04
590—521	1/16"	12" x 12"	1oz.	10.08	9.45
590—586	1/32"	4" x 6"	1oz.	3.45	3.28
590—588	1/32"	6" x 9"	1oz.	5.95	5.65
590—590	1/32"	12" x 12"	1oz.	11.75	11.16
590—597	1/64"	6" x 9"	1oz.	5.95	5.65
Double Sided					
590—550	1/16"	6" x 6"	1oz.	4.85	4.61
590—555	1/16"	12" x 12"	1oz.	13.45	12.78
590—587	1/32"	4" x 6"	1oz.	3.75	3.56
590—589	1/32"	6" x 9"	1oz.	6.25	5.94
590—591	1/32"	12" x 12"	1oz.	13.45	12.78
590—598	1/64"	6" x 9"	1oz.	6.25	5.94

POSITIVE PRESENSITIZED BOARDS

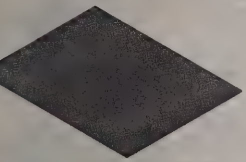


Our presensitized boards provide high resolution and excellent fine line control. They are ideal for prototypes, small production runs, and student training. White protective peel-off liner is attached to protect board from incident light and scratching. We also offer a large thin (12 x 18 x 1/32 inch) cat#675 paper phenolic presensitized board (Easy Cutting!!), perfect for cutting into smaller boards with no special equipment. Perfect for the classroom.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	PCB Thickness	Dimension (in.)	Copper	Price Each	
Mfr. / Mfr. Part No.				1	5
Single Sided					
590—603	1/16	3" x 5"	1oz.	6.70	6.37
590—606	1/16"	4" x 6"	1oz.	7.14	6.78
590—609	1/16"	6" x 6"	1oz.	7.87	7.48
590—612	1/16"	6" x 9"	1oz.	11.78	11.19
590—687	1/32"	4" x 6"	1oz.	6.75	6.41
590—689	1/32"	6" x 9"	1oz.	11.15	10.59
Paper Phenolic Single Sided					
590—675	1/32"	12" x 18"	1oz.	23.95	22.75
Double Sided					
590—650	1/16"	6" x 6"	1oz.	11.61	11.03
590—660	1/16"	6" x 9"	1oz.	16.10	15.30
590—690	1/32"	6" x 9"	1oz.	14.35	13.63
590—698	1/64"	6" x 9"	1oz.	14.35	13.63
Paper Phenolic Double Sided					
590—676	1/32"	8" x 12"	1oz.	20.25	19.24

DOUBLE SIDED COPPER CLAD BOARDS FOR LEAD FREE HIGH TEMPERATURE APPLICATIONS



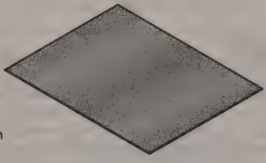
Phenolic Glass Laminate with 1 ounce copper per square foot. Developed specifically for high temperature lead free applications.

RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	PCB Thickness	Dimension (in.)	Copper	Price Each	
Mfr. / Mfr. Part No.				1	5
590—530	1/16"	3" x 5"	1oz.	3.25	2.93
590—532	1/16"	6" x 6"	1oz.	5.65	5.09
590—533	1/16"	4" x 6"	1oz.	7.65	6.89

1/2 OZ. COPPER CLAD BOARDS

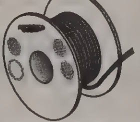


We offer 1/16", FR4 laminate with 1/2 ounce copper per square foot. This flame retardant laminate is translucent in color and made of continuous woven glass cloth impregnated with epoxy resin. The boards are made of FR4 which is a flame retardant version of G-10 material. Developed specifically for the circuit processing industries requirements. Provides ultraviolet blocking and fluorescence when using automated optical inspection (AOI). 1/2 ounce copper boards will significantly reduce required etching time .

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	PCB Thickness	Dimension (in.)	Copper	Price Each	
Mfr. / Mfr. Part No.				1	5
Single Sided					
590—504	1/16"	3" x 5"	1/2 oz.	2.75	2.48
Double Sided					
590—551	1/16"	6" x 6"	1/2 oz.	4.85	4.37

LEAD FREE SUPERWICK



Engineered specifically for high temperature, lead-free solders. Can also be used with tin/lead solders. Transfers heat to the solder joint more quickly and efficiently than conventional desoldering braids. Non-corrosive ultra high purity, no-clean flux leaves no ionic contamination on circuit boards.
Packaged in ESD-safe static dissipative bobbins. RoHS compliant.

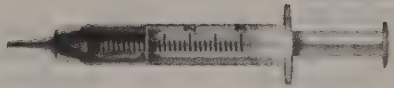
RoHS Compliant

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Width	Length	Price Each	
Mfr. / Mfr. Part No.			1	5
590—424-LF	.050"	5 Foot	3.16	3.00
590—425-LF	.075"	5 Foot	2.65	2.45
590—426-LF	.100"	5 Foot	3.80	3.61

SILVER CONDUCTIVE GREASE

This Silver Grease provides maximum electrical and thermal conductivity between sliding surfaces, while providing protection from moisture and corrosion. Typical applications include lubrication of substation switches or circuit breakers, heat dissipation from transformers, or static grounding on seals or O-rings.

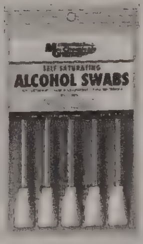


For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
Mfr. / Mfr. Part No.		1	5
590—8463-7G	Silver Conductive Grease	12.95	11.66

SELF SATURATING ALCOHOL SWABS

Swab combines solvent and applicator in one convenient unit. Simply squeeze the handle to break the patented seal and allow liquid to flow to the urethane foam head. Comes filled with 70% isopropyl alcohol and 30% deionized water.

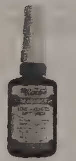


Features:
- Urethane foam tip
- 70/30 Isopropyl Alcohol/Deionized Water
- Non-abrasive
- Safe on plastics
- Complies with California Air Resource Board VOC regulations for electronics cleaners

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Price Each	
Mfr. / Mfr. Part No.		1	5
590—8241S-5	Self Saturating Alcohol Swabs (5 Pack)	5.45	11.66
590—8241S-25	Self Saturating Alcohol Swabs (25 Pack)	21.95	20.85

THREADLOCKERS



Features:
- One drop prevents loosening and ensures a secure hold
- Pick the strength you need, stop corrosion, seal threads, improve torque control, reduce galling, and minimize inventories
- Only cures in the absence of air (anaerobic) making cleanup of excess Threadlocker easy
- Threadlockers can drive reliability up and costs down
- Threadlockers provide lubricity to achieve controlled torque during assembly, and in operation, they hold critical clamp load pressures under the most severe environments

RoHS Compliant

For quantities of 5 and up, call for quote.

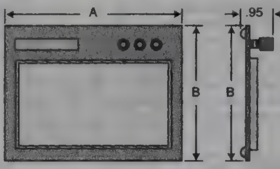
MOUSER STOCK NO.	Description	Size	Price Each
Mfr. / Mfr. Part No.			
590—8701-10ML	Low Strength for fasteners up to 1/4"	10mL (0.2 oz)	6.75
590—8701-50ML	Low Strength for fasteners up to 1/4"	50mL (2 oz)	23.95
590—8702-10ML	Medium Strength for fasteners up to 3/4"	10mL (0.2 oz)	6.75
590—8702-50ML	Medium Strength for fasteners up to 3/4"	50mL (2 oz)	23.95
590—8703-10ML	High strength, permanent for fasteners up to 1"	10mL (0.2 oz)	6.75
590—8703-50ML	High strength, permanent for fasteners up to 1"	50mL (2 oz)	23.95
590—8704-10ML	High strength, wicking for fasteners up to 1"	10mL (0.2 oz)	6.75
590—8704-50ML	High strength, wicking for fasteners up to 1"	50mL (2 oz)	23.95

3M SOLDERLESS BREADBOARDS

3M solderless breadboards incorporate state-of-the-art techniques in design and fabrication to yield a circuit building system with unparalleled flexibility.

Features:

- 5 way binding post interface connections
- Laboratory proven multi-tie point terminal design
- Steel base with high gloss baked enamel finish
- Alpha-numeric tie-point identification
- 3M jumper wires included with all breadboards

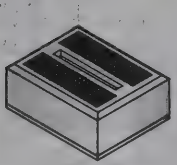


MOUSER STOCK NO.	DIP Capacity	Dim. (in.)		No. of Tie Points	Binding Post	Price Each
		A	B			
517-922306	6-14 pin	5.40	4.00	610	2	24.16
517-922309	9-14 pin	7.00	4.00	840	3	27.65
517-922318	18-14 pin	7.75	6.25	1824	3	45.23
517-922327	27-14 pin	8.00	9.25	2712	4	73.19
517-922336	36-14 pin	10.25	9.25	3648	4	75.18
517-922345	45-14 pin	12.44	9.75	4520	4	104.56
517-922354	54-14 pin	14.69	9.75	5424	4	115.44

3M™ TERMINAL AND DISTRIBUTION STRIPS

Features:

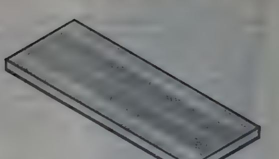
- Terminal strips have spring clips arranged side-by-side.
- Distribution strips have spring clips arranged end-to-end.



MOUSER STOCK NO.	3M Part No.	Description	No. of Tie Points	Price Each
517-923253-R	923253-R	Circuit strip breadboard, alloy	610	17.12
517-923261-I	923261-I	Full double terminal strip	640	21.11
517-923273	923273-I	1/4 double terminal strip	640	9.19
517-923277-I	923277-I	Full distribution strip	44	8.57
517-923289-I	923289-I	Full double terminal strip 4 position	512	19.61
517-923292-I	923292-I	Full single terminal strip 4 position	216	14.56

3M™ CIRCUIT STRIPS

Super strip and the small circuit strips breadboarding unit combine terminal and distribution building blocks in a single unit. Plug-in ease of the .100" x .100" solderless tie-point matrix is combined with the convenience of separate distribution buses for power, ground and signal lines.

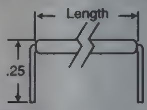


MOUSER STOCK NO.	3M Part No.	Description	No. of Tie Points	Price Each
517-923252-I	923252-I	Super Strip 2, alloy	840	27.31
517-923252-R	923252-R	Super Strip 2, alloy	610	29.34
517-923749-I	923749-I	Circuit strip, gold	640	70.00
517-923748-I	923748-I	Circuit strip, gold	840	78.74

3M™ COLOR CODED JUMPER WIRES

Features:

- Pre-measured, pre-formed color coded jumper wires
- 22 AWG solid, tinned copper, PVC insulated
- Stripped 1/4", bent 90° on both ends



MOUSER STOCK NO.	Length (in.)	Color	Package Quantity	Price Each
517-923345-01	0.1	None	200	8.44
517-923345-02	0.2	Red	200	8.44
517-923345-03	0.3	Orange	200	8.44
517-923345-04	0.4	Yellow	200	8.44
517-923345-05	0.5	Green	200	8.44
517-923345-06	0.6	Blue	150	8.44
517-923345-07	0.7	Violet	150	8.44

MOUSER STOCK NO.	Length (in.)	Color	Package Quantity	Price Each
517-923345-08	0.8	Gray	150	8.44
517-923345-09	0.9	White	150	8.44
517-923345-10	1.0	Brown	100	8.44
517-923345-20	2.0	Red	100	8.44
517-923345-30	3.0	Orange	75	8.44
517-923345-40	4.0	Yellow	75	8.44
517-923345-50	5.0	Green	75	8.44

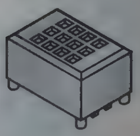
3M™ COLOR CODED JUMPER WIRE ASSORTMENT KIT

- 350 pieces
- 14 different color coded lengths
- 25 of each length

MOUSER STOCK NO.	3M Part No.	Price Each
517-923351-R	923351-R	26.27

3M™ BREADBOARD TIE-POINT BLOCKS

Ideal for connections to power, ground, clock lines and status monitors, etc. Each group of four tie-points has a solder tail for connection to the circuit. Mounting posts on the plastic body press fit into holes in the PC board. The .100" matrix will accept any lead up to .032 inch; #22 AWG solid wire is recommended for connections.



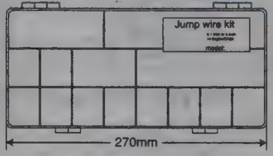
MOUSER STOCK NO.	3M Part No.	Description	Price Each
517-923301-I	923301-I	Quad tie-point block	20.22

PP COLOR CODED JUMP WIRE KITS

NEW PRODUCT

- 14 Different color coded lengths of pre-cut, pre-stripped, and preformed 22 AWG solid wire
- Lengths: 0.1 in, 0.2 in, 0.3 in, 0.4 in, 0.5 in, 0.6 in, 0.7 in, 0.8 in, 0.9 in, 1.0 in, 2.0 in, 3.0 in, 4.0 in, 5.0 in
- Stripped end 0.25 in and bent 90 degrees
- 383-SWS1104 includes 4 binding posts
- Handy organizer box included

MOUSER STOCK NO.	Pieces of Each Length	Price Each
383-KS35250	25	18.25
383-SWS1104	10	10.75
383-SWS2100	10	7.50
383-SWS350	5	5.50



383-KS35250 Shown

PP AC/DC BREADBOARD POWER SUPPLY

NEW PRODUCT

- Illuminated power switch
- DC power supply:
  - DC + 5 VDC, 1A; -5 VDC, 500mA fixed
  - DC 0 VDC to +15 VDC, 500mA variable
  - DC 0 VDC to -15 VDC, 500mA variable
- AC power supply:
  - AC voltage: 12 VAC, 6 VAC, 0 VAC, 6 VAC, 12 VAC, 300mA fixed
- Accessories: AC cable, DC output wires: 4 red, 1 black

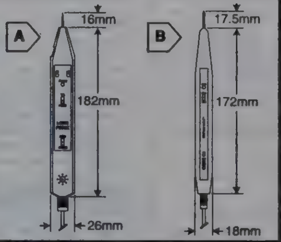
MOUSER STOCK NO.	Price Each
383-PS015VDC	135.99

PP LOGIC PROBES AND PULSERS

NEW PRODUCT

- Effective tools for inspecting and repairing logic circuits
- 383-LP2817 includes an ABS case to house the probe

MOUSER STOCK NO.	Fig.	Type	Pulse Rate	Max. Frequency	Price Each
383-LP2817	A	Logic Probe	30 nsec	17 MHz	28.50
383-LP541	A	Logic Pulser	10μ	-	33.25
383-LP10150	B	Logic Probe	10 nsec	50 MHz	33.25
383-LP20110	B	Logic Pulser	10μ	-	33.25



TONER TRANSFER SYSTEM

- No Chemicals!
- No Darkroom!
- No Negatives!

3 Easy Steps:

- Print it...
- Iron it...
- Soak it...

CIRCUIT BOARDS
PARTS OVERLAYS
FACEPLATES & WINDOWS
CUSTOM DECALS

Create your own "iron-on" PC board patterns, faceplates, and color decals from any laser printer or high quality copier!

MOUSER STOCK NO.	No. of 8 1/2" x 11" Sheets	Price Each	
		1	5
5165-TTS10	10	14.95	13.50

PP MULTI-BOARD SOCKETS AND BUS STRIPS

Features:

- Center channel can be adjusted from 0.3 to 0.6 with a simple swap of the strips
- Accommodates 8 to 40 pin ICs
- Can fit up to 9 14-pin dual-in-line ICs
- Snap lock design allows easy combination with other strips

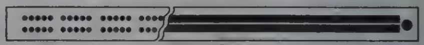
MOUSER STOCK NO.	Price Each
383-X1000	10.95

PP SOCKET AND BUS STRIPS

Features:

- External body: polymer (resists heat up to 90°C)
- Internal contact material: silver and nickel alloy
- Contact resistance: < 1mΩ
- Snap lock design
- Continuous working temperature should not exceed 50°C (max.)

A



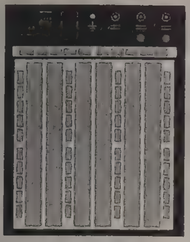
383-K10 Shown

B

MOUSER STOCK NO.	Fig.	Description	Dimen. (In.)		Price Each
			L	W	
383-Q50	A	2 buses of 25 terminals in two rows	3.15	.47	2.13
383-Q290	B	58 groups of 5 connected terminals	3.15	1.50	4.95
383-K10	A	4 buses of 25 terminals in two rows	6.80	.54	1.95
383-K64	B	128 groups of 5 connected terminals	6.80	1.50	6.95

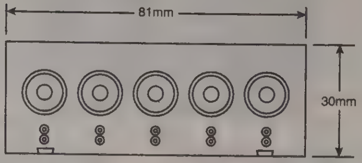
PSP Solderless Breadboards

A

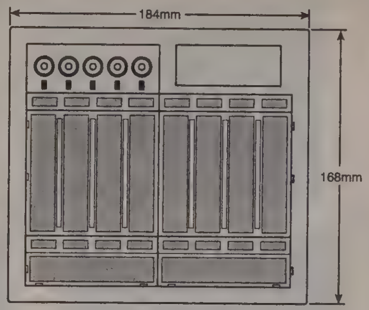


- Built-in power supply (short-proof)
- DC power: +5V/1A
- Adjustable: 0 to +15V or -15V @ 500mA
- Input line voltage: AC 120V 60Hz

B

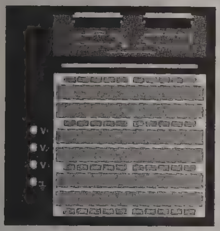


C



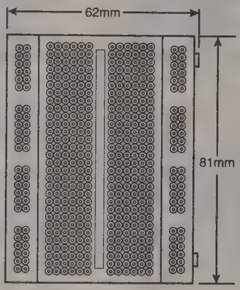
383-A1906 Shown

D



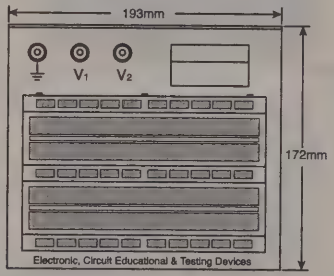
- Programmable 25-pin detachable I/O D-sub connectors inluded (1 male, 1 female)
- Fits up to 36 14 pin dual in-line ICs

E



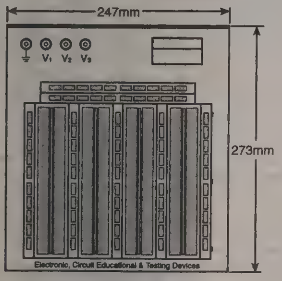
383-A456 Shown

F



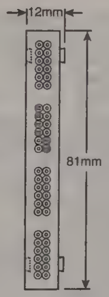
383-R32KSW Shown

G



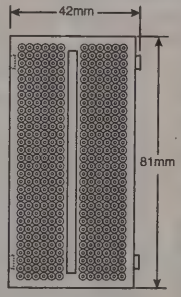
383-R74KSW Shown

H



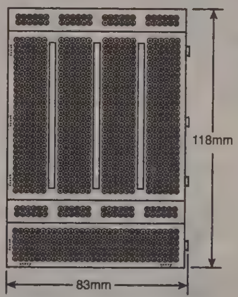
383-A48 Shown

I



383-A360 Shown

J



383-A948 Shown

SOLDERLESS BREADBOARDS

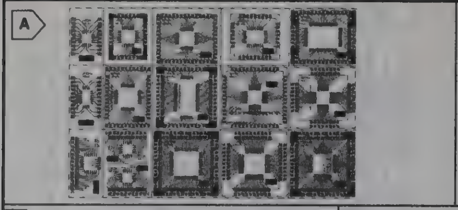
Specifications:

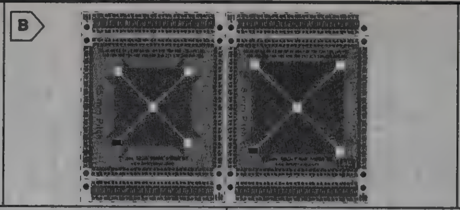
- Snap lock breadboards join easily for expansion
- Round holes accept solid wires from 22 AWG to 30 AWG
- Power blocks accept 4.5mm Y-terminal, stripped wire, and 4mm banana plug

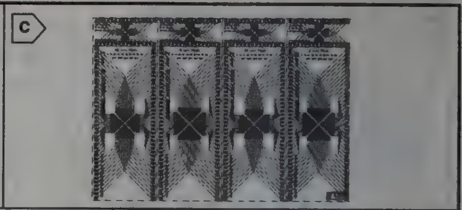
MOUSER STOCK NO.	Fig.	Description	Power Block	Tie Points	Binding Posts	Interconnected Clips				25 Intercon. Bus	Holds 14-Pin ICs	Dimen. (mm)		Price Each
						5	6	12	24			L	W	
383-K2400	A	Power Project Board with illuminated power switch, Fixed + 5 VDC at 1 A, Variable 0 VDC to +/- 15 VDC at 500 mA	Yes	2420	4	-	-	-	-	-	-	250	200	**159.95**
383-A10	B	Power Block	Yes	10	5	-	-	-	-	-	-	81	30	**8.75**
383-A958	C	Power Block and Breadboard	Yes	958	5	-	142	4	2	-	-	83	147	**17.50**
383-A1906	C	Power Block and Breadboard	Yes	1906	5	-	284	8	4	-	-	184	168	**38.50**
383-A2854	C	Power Block and Breadboard	Yes	2854	5	-	426	12	6	-	-	266	168	**56.50**
383-A3802	C	Power Block and Breadboard	Yes	3802	5	-	568	16	8	-	-	346	168	**69.75**
383-K2300-1	D	Universal Interface Breadboard	Yes	2320	4	384	-	-	-	16	27	230	250	**58.95**
383-R21KSW	E	Solderless Breadboard with 383-SWS350 Jump Wire Kit	-	840	-	128	-	-	-	8	9	172	65	**15.95**
383-R21BKSW	F	Solderless Breadboard with 383-SWS350 Jump Wire Kit	-	840	3	128	-	-	-	8	9	195	122	**21.10**
383-R32KSW	F	Solderless Breadboard with 383-SWS2100 Jump Wire Kit	-	1580	3	256	-	-	-	12	18	193	172	**24.75**
383-R53KSW	G	Solderless Breadboard with 383-SWS2100 Jump Wire Kit	-	2420	4	384	-	-	-	20	27	192	254	**32.50**
383-R74KSW	G	Solderless Breadboard with 383-SWS2100 Jump Wire Kit	-	3260	4	512	-	-	-	28	36	247	273	**40.50**
383-K158	G	Solderless Breadboard	-	1580	3	-	-	-	-	-	18	193	172	**16.75**
383-K242	G	Solderless Breadboard	-	2420	4	-	-	-	-	-	27	192	254	**22.75**
383-K326	G	Solderless Breadboard	-	3260	4	-	-	-	-	-	36	247	273	**29.75**
383-R840B	F	Solderless Breadboard	-	840	3	128	-	-	-	8	9	195	122	**16.95**
383-A48	H	Solderless Breadboard	-	48	-	-	-	2	1	-	-	81	12	**2.50**
383-A360	I	Solderless Breadboard	-	360	-	-	60	-	-	-	-	81	42	**4.45**
383-K39	E	Solderless Breadboard	-	390	-	58	-	-	-	4	4	80	60	**5.50**
383-A408	E	Solderless Breadboard	-	408	-	-	60	2	1	-	-	81	52	**5.25**
383-A456	E	Solderless Breadboard	-	456	-	-	60	4	2	-	-	81	62	**6.25**
383-R740	E	Solderless Breadboard	-	740	-	128	-	-	-	4	9	172	52	**9.50**
383-R840	E	Solderless Breadboard	-	840	-	128	-	-	-	8	9	172	65	**10.80**
383-A948	J	Solderless Breadboard	-	948	-	-	142	4	2	-	-	83	118	**14.25**

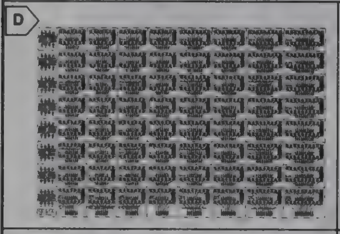
BELLIN SMT Prototyping Adapters

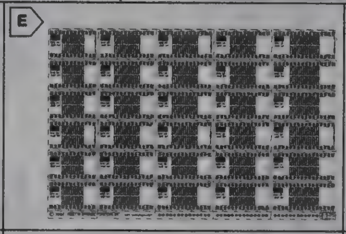
BELLIN DYNAMIC SYSTEMS SMT ADAPTER BOARDS

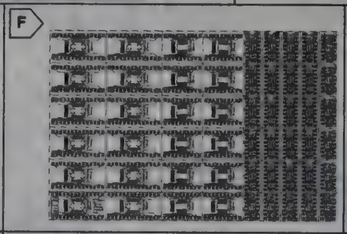


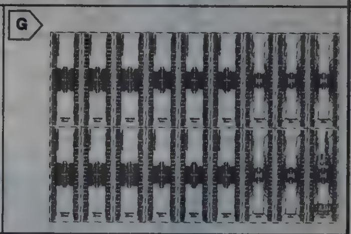


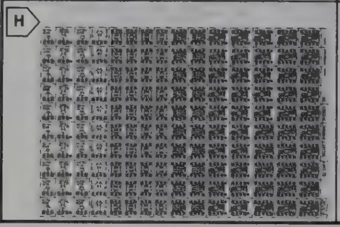


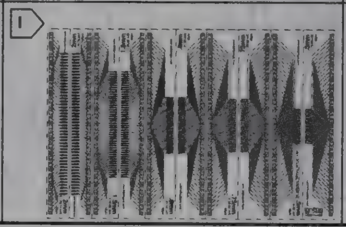


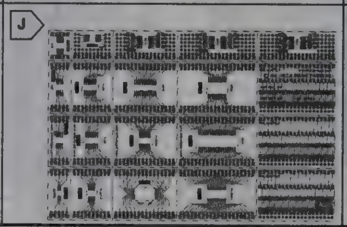


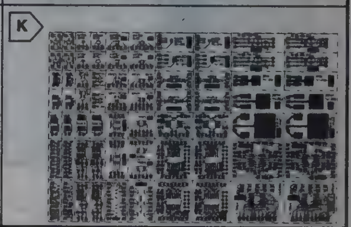










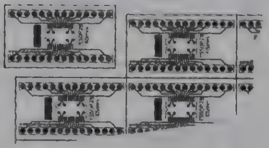


Specifications:

- Board thickness: .031"
- Thru-hole spacing .100", hole diameter .050"

Full scale data sheets available at mouser.com/bellin

Grooved Snap-Apart™ boards adapt surface mount IC's to .100" spacing thru-hole pads.



MOUSER STOCK NO.	Bellin Dynamic Part No.	Fig.	Description	No. of Adapters	Price Each	
					1	10
Quad						
853-B504	B504	A	QFP 32 44 48 52 54 64 70 80 100, PLCC 18 20 28 32 44	15	**45.95**	**41.50**
853-B518	B518	B	QFP 32 pin, 40, 48…(by 8's) to 256, .65 or .8mm pin pitch	2	**45.95**	**41.50**
853-B519	B519	B	QFP 32 pin, 40, 48…(by 8's) to 256, .4 or .5mm pin pitch	2	**45.95**	**41.50**
853-B530	B530	C	QFP/MLF: 8 pin, 16, 24…(by 8's) to 80p, .65 or .8mm pin pitch	8	**43.65**	**41.45**
853-B531	B531	C	QFP/MLF: 4 pin, 12, 20…(by 8's) to 76p, .65 or .8mm pin pitch	8	**43.65**	**41.45**
853-B532	B532	C	QFP/MLF: 8 pin, 16, 24…(by 8's) to 80p, .4 or .5mm pin pitch	8	**43.65**	**41.45**
853-B533	B533	C	QFP/MLF: 4 pin, 12, 20…(by 8's) to 76p, .4 or .5mm pin pitch	8	**43.65**	**41.45**
853-B535	B535	A	QFP/MLF assortment: .4/.5/.65/.8 mm pitches, 4...32 pins, 48 patterns	24	**45.95**	**41.50**
SOIC						
853-B510	B510	H	SOIC-8 to DIP .300" width, 140 patterns	140	**45.95**	**41.50**
853-B514	B514	D	SOIC 8, 14, 16, 18, 20 to DIP .300" width	72	**45.95**	**41.50**
853-B515	B515	E	SOIC 24, 28, 32 to DIP .600" width	30	**45.95**	**41.50**
853-B505	B505	-	SOIC 8, 14, 16, 20, 24, 32, 40 pin patterns for prototyping, 60 patterns	42	**45.95**	**41.50**
T/SSOP						
853-B516	B516	F	T/SSOP 14, 16, 20, 28 (.65mm pin pitch) to DIP	54	**45.95**	**41.50**
853-B536	B536	F	TSSOP 14/16/20/28 (.5mm pin pitch) to DIP	54	**45.95**	**41.50**
853-B537	B537	F	TSSOP 14/16/20/28 (.4mm pin pitch) to DIP	54	**45.95**	**41.50**
853-B517	B517	G	T/SSOP 48 (.4, .5, .65mm pin pitches) to DIP	18	**45.95**	**41.50**
853-B507	B507	-	T/SSOP 16, 20, 32, 40, (.4, .5, .65mm pitches) for prototyping, 40 patterns	20	**45.95**	**41.50**
Prototyping/Variety						
853-B513	B513	H	MSOP8/10, TSOP8, SOT 23/26, SOT323/363, 143, SC70/90	150	**45.95**	**41.50**
853-B508	B508	I	Dual rows of 48 pads, pitches: .4, .5, .65, .8, 1, 1.5, 2mm 30, 70 mil	10	**45.95**	**41.50**
853-B534	B534	I	TSSOP: 48 inline pads, pitch .5mm front / .65mm back, 18 patterns	9	**45.95**	**41.50**
853-B503	B503	J	SOIC, QSOP, TSOP, T/SSOP patterns for prototyping, 34 pattern	17	**45.95**	**41.50**
853-B502	B502	K	SOT-, TO-, SC-, MSOP, TSOP, SOIC, DPAK, 160 SMT patterns	70	**45.95**	**41.50**
Kits						
853-KIT-100	KIT-100	-	B502, B503, B504, B505, B507 + B500-Breadboard (high variety kit)	6 Boards	**169.95**	**157.50**
853-KIT-101	KIT-101	-	B504 B513 B514 B516 B517 + B500-Breadboard (most popular patterns)	6 Boards	**169.95**	**157.50**
853-KIT-202	KIT-202	-	B504 B513 B514 B516 B517 B508 B510 B535 B536 B537 + 2 x B500-Breadboard	12 Boards	**349.95**	**315.00**
853-KIT-302	KIT-302	-	KIT-202 + B505, B507, B518, B519, B515, B500-Breadboard	18 Boards	**529.95**	**472.50**

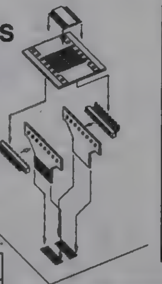
BELLIN DYNAMIC SYSTEMS SMT ADAPTER BOARDS FOR SOIC PADS

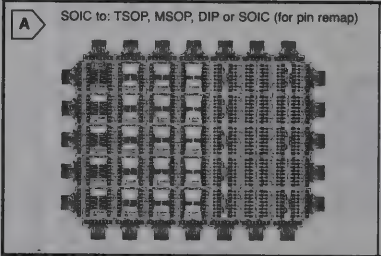
Specifications:

- T/SSOP patterns include .4/.5/.65mm pin pitches, SOIC=.050" pin pitch, DIP=.100" pin pitch in either .300" or .600" widths

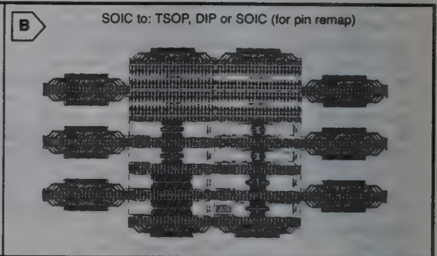
Full scale data sheets available at mouser.com/bellin

Convert SOIC pads on existing PCB's to: MSOP, SSOP, TSOP, TSSOP .4/.5/.65mm, SOIC or DIP .300"/.600". Remap pins, convert to DIP socket, other uses. Use with .100" spacing pin strip headers, such as Mouser Stock No. 571-41031850 (40p straight) and Mouser Stock No. 571-41029780 (40p right angle).





SOIC to: TSOP, MSOP, DIP or SOIC (for pin remap)



SOIC to: TSOP, DIP or SOIC (for pin remap)

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Bellin Dynamic Part No.	Fig.	Price Each	
			1	10
853-CC-8	CC-8	A	**51.95**	**47.50**
853-CC-14	CC-14	A	**51.95**	**47.50**
853-CC-16	CC-16	A	**51.95**	**47.50**
853-CC-24	CC-24	B	**51.95**	**47.50**

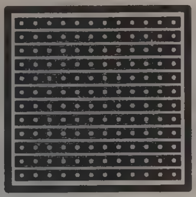
For quantities of 50 and up, call for quote.

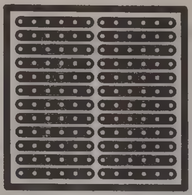
MOUSER STOCK NO.	Bellin Dynamic Part No.	Fig.	Price Each	
			1	10
853-CC-28	CC-28	B	**51.95**	**47.50**
853-CC-32	CC-32	B	**51.95**	**47.50**

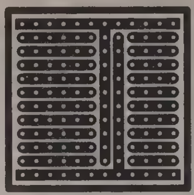
For quantities of 50 and up, call for quote.

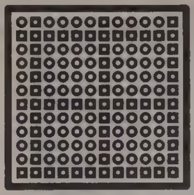
MOUSER STOCK NO.	Bellin Dynamic Part No.	Fig.	Price Each	
			1	10
853-CC-40	CC-40	B	**51.95**	**47.50**
853-CC-48	CC-48	B	**51.95**	**47.50**

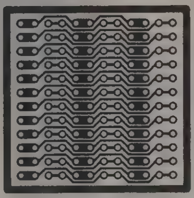
BPS Prototyping Boards

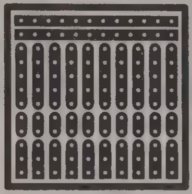
A

StripBoard*

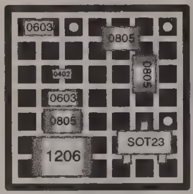
B

ProtoBoard*

C

PowerBoard*

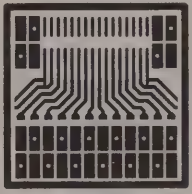
D

PadBoard*

E

BusBoard*

F

Solderable BreadBoard*

G


SMTpads (enlarged)*

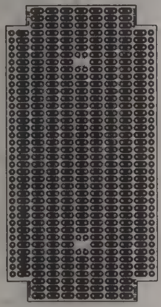
H

SMTboard*

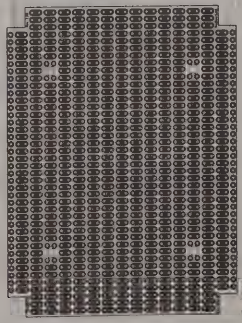
*Actual PCB is larger

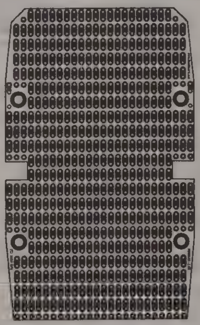
PROTOTYPING BOARDS

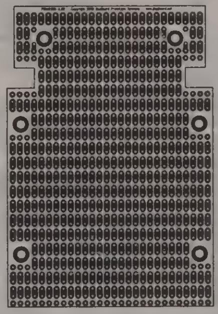
For quantities of 20 and up, call for quote.

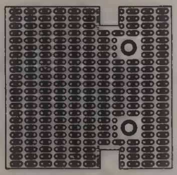
MOUSER STOCK NO.	BPS Part No.	Fig.	Description	Size	Recommended Enclosures	Price Each	
						1	10
854-ST6U	ST6U	A	StripBoard-6U, 1 sided, general purpose	6.3 x 9.2 in (160 x 233.4mm)	- - -	25.16	22.64
854-ST3U	ST3U	A	StripBoard-3U, 1 sided, general purpose	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-PR3U	PR3U	B	ProtoBoard-3U, 1 sided, pre-cut strip board	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-PR3UC	PR3UC	B	ProtoBoard-3U-CONN, 1 sided, with connector footprints	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-POW3U	POW3U	C	PowerBoard-3U, 1 sided, with power and ground rails	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-PAD3U	PAD3U	D	PadBoard-3U, 2 sided, with plated holes	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-BB3U	BB3U	E	BusBoard-3U, 1 sided, with soldermask	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-BB3UC	BB3UC	E	BusBoard-3U-CONN, 1 sided, with connector footprints	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-BR1	BR1	F	Solderable Breadboard, 1 sided PCB	1.9 x 7.1 in (47 x 179mm)	- - -	6.50	5.85
854-SP3UT	SP3UT	G	SMTpads-3U-Thin, 2 sided, with unplated holes to ground plane	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-SMT3U	SMT3U	H	SMTboard-3U, 2 sided, with unplated holes to ground plane	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70
854-RF3U	RF3U	H	SMTboard-3U-Thin, 2 sided, with unplated holes to ground plane	3.9 x 6.3 in (100 x 160mm)	Hammond 1455L160 or 1455N160 Series	10.78	9.70

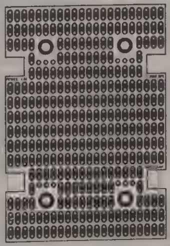
A


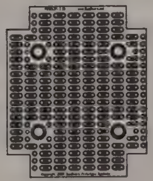
B


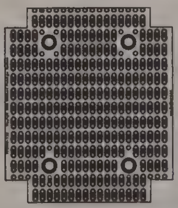
C


D


E


F


G


H


PROTOTYPING ENCLOSURE BOARDS

For quantities of 20 and up, call for quote.

Features:

- Designed for the box. No cutting required.
- Two hole ProtoBoard pattern
- One sided lead free etched copper PCB with a flux coating for easy soldering and to preserve solderability
- 4-40 PCB mounting screws provided
- 2, 4 or 6 screws are provided depending on the board

MOUSER STOCK NO.	BPS Part No.	Fig.	Size	Recommended Enclosures	Price Each	
					1	10
854-PR405X205	PR405X205	A	4.05 x 2.05 in. (103 x 53mm)	Hammond 1590B Diecast Aluminum	4.25	3.83
854-PR425X320	PR425X320	B	4.25 x 3.20 in. (108 x 81mm)	Hammond 1590BB Diecast Aluminum	6.00	5.40
854-PR1553B	PR1553B	C	2.8 x 4.3 in. (71 x 108mm)	Hammond 1553B Plastic Soft-sided	7.25	6.53
854-PR1553DB	PR1553DB	D	2.9 x 5.5 in. (74 x 139mm)	Hammond 1553DB Plastic Soft-sided, w/ Battery Compartment	9.00	8.10
854-PR1593K	PR1593K	E	2.3 x 2.3 inches (58 x 58mm)	Hammond 1593K Plastic	4.10	3.69
854-PR1593L	PR1593L	F	3.3 x 2.3 in. (83 x 58mm)	Hammond 1593L Plastic	5.00	4.50
854-PR1593P	PR1593P	G	1.9 x 2.4 in. (49 x 60mm)	Hammond 1593P Plastic with Battery Compartment	4.10	3.69
854-PR1593Q	PR1593Q	H	2.4 x 2.7 in. (62 x 69mm)	Hammond 1593Q Plastic with Battery Compartment	5.00	4.50

GLOBAL SPECIALTIES Prototyping

POWERED BREADBOARDS AND TRAINERS

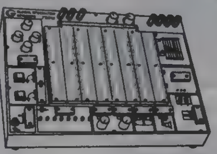
PB203A & PB-204 Powered Protoboards

- Powered Proto-Boards Perfect for Educational Training & Design Applications
- 5 VDC @ 1 AMP output, both models
- Separate + 5.5 VDC & -5.5 to - 18 VDC @ 500 mA output, model PB-203A
- Separate +12 & -12 VDC @ 250 mA output, model PB-204
- Factory Pre-Set Power to +/- 12 VDC, PB-204, +/- 15 VDC, PB-203A
- AC Power Input, NOW both models
- Large Prototyping Area
- Rugged Metal Enclosure
- Lifetime Guarantee Breadboard area & 3-Year Warranty all Electronics

510-PB-203A	104-2040	204.95
510-PB-204	104-2000	154.95

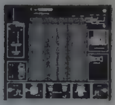
PB-505 Proto-Board® Advanced Design Trainer

- Expanded Removable breadboard area included with Lifetime warranty
- Two open collector pulsers
- Built-in multi-waveform function generator
- Quad voltage power supply: 3 DC & 1 low voltage AC
- Functions with optional electronics trainer boards
- Built-in logic probe with pulse capture
- BCD to 7 segment decoder/display
- 8 channel logic indicators

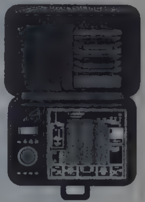


510-PB505	Model PB 505	494.95
510-PB-4	Socket Plate	84.95

PB-503 & PB-503C Protoboard Design Workstation



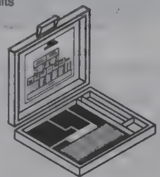
- Unconditional Life-time guarantee on all breadboarding sockets & 3 year warranty on all parts and workmanship
- Ideal for analog, digital and microprocessor circuits
- New high & low buffered logic indicators
- 8 channel logic monitor
- New 8 selectable logic switches
- Function Generator
- Triple output power supply.
- Two Digital Pulsers
- New removable breadboard area and optional additional breadboard socket plates included



510-PB-503	Desktop	324.95
510-PB-503C	Portable	374.95
510-PB-3	Socket Plate	59.95

PB-501 Logic Design Trainer

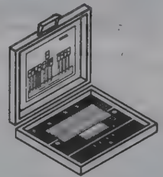
The low cost PB-501 Logic Trainer permits students of digital electronics to make efficient use of valuable laboratory time.



510-PB501	199.95

PB-500 Analog Circuit Trainer

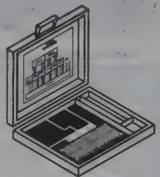
The PB-500 contains all of the functions required for studying and experimenting with active filters, operational amplifiers and other analog circuitry. The PB-500 is a complete analog training instrument which is compact, lightweight and extremely durable.



510-PB500	274.95

PB-502 Advanced Logic Design Trainer

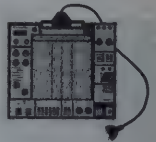
The PB-502 Advanced Logic Design Trainer permits students to avoid the repetitive building of frequently used circuits. All functions are internally connected to three solderless interconnect sockets with two tie points for each signal.



510-PB502	294.95

MasterLab

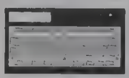
- Multi-waveform function generator
- Quad voltage power supply
- Logic probe with pulse capture
- Square wave pulse generator
- BCD to 7 segment decoder/display
- 8 channel logic indicators
- DC digital voltmeter with four ranges
- 8 selectable logic switches
- Detachable 25-way computer interface



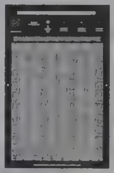
510-PB506	994.95

UNPOWERED PROTOBOARDS

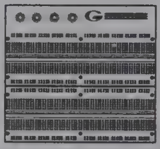
A RoHS Compliant



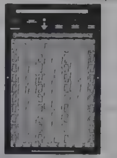
B



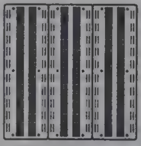
C



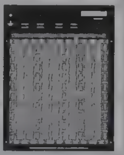
D RoHS Compliant



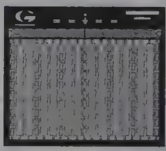
E



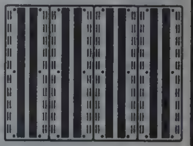
F RoHS Compliant



G RoHS Compliant



H RoHS Compliant



All breadboard products are proudly made in the U.S.A. and have an unconditional life-time guarantee!

MOUSER STOCK NO.	Global Part No.	Fig.	Sockets	Bus Strips	IC Capacity	Terminals	Tie Points	Binding Posts	Backplate	Length (in.)	Width (in.)	Height (in.)	Weight	Price Each
510-PB-10	104-1000	A	UBS-100	n/a	8	168	840	3	Plastic	7	4	1.4	5 oz.	20.95
510-PB-70	104-1070	B	2/QT47S	1/QT35B 3/QT47B	12	252	1260	3	Aluminum	8.5	5	1.4	8 oz.	31.95
510-PB-60	104-6000	C	2/UBS-100	n/a	16	336	1680	4	Clear Plexiglass	6.25	6.5	1.4	12 oz.	47.95
510-PB-103	104-1030	D	3/QT59S	1/QT47B 4/QT59B	24	450	2250	4	Aluminum	9	6	1.4	21 oz.	49.95
510-PB-3	325-1402	E	3/UBS-100	n/a	24	504	2520	n/a	Clear Plexiglass	6.5	6.25	0.5	12 oz.	59.95
510-PB-104	104-1040	F	4/QT59S	7/QT59B	32	612	3060	4	Aluminum	9.8	8	1.4	29 oz.	74.95
510-PB-105	104-1050	G	6/QT59S	4/QT47B 7/QT59B	48	912	4560	5	Aluminum	9.2	11.4	1.4	29 oz.	99.95
510-PB-4	325-1448	H	4/UBS-100	n/a	32	672	3360	n/a	Aluminum	8.75	6.25	0.5	1.1 lbs.	84.95

BREADBOARDS AND QUICK TEST SOCKETS

- Maximum Circuit Design Flexibility
- Solderless socket and bus strips
- Molded-in mounting holes
- Heavy duty mylar backing prevents short circuits
- Accepts all components with leads up to .033 inches
- Conductive spring clips inside breadboard grab component leads and connecting wires, AWG #22-30, securely
- Parts plug-in/pull-out without soldering or damage
- Patented tab/keyway features for simple interlocking of several breadboards into larger, more versatile arrays (QT sockets)
- Standard 0.1-by-0.1 inch contact grid
- Nickel silver alloy pins are pre-stressed, spring loaded and noncorrosive for longer term reliability
- Molded in rugged thermoplastic for durability and high temperature application

* RoHS Compliant

Lifetime Warranty on all Protoboards and Breadboards

Solderless Breadboards

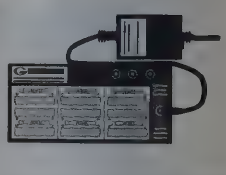
MOUSER STOCK NO.	Global Part No.	Center	Strip Length	Strip Width	Tie Points	Term Clips	IC Qty.	Price Each
510-UBS-100	103-1100	0.3in	6.5in	2.2 in	840	168	8 (14-pin	11.25
*510-103-1300	103-1300	0.3in	6.0 in	2.1 in	550	110	6 (14-pin)	8.25
510-EXP-350	103-1350	0.3in	3.6 in	2.1 in	270	54	3 (14-pin)	5.95

Quick Test Sockets

MOUSER STOCK NO.	Global Part No.	Mount Dimen.	Strip Length	Strip Width	Tie Points	Term Clips	IC Qty.	Price Each
*510-QT-59S	101-1059	6.2 in	6.5 in	1.32 in	590	118	8	8.95
*510-QT-59B	102-1059	6.2 in	6.5 in	.36 in	100	20	N/A	4.95
*510-QT-47S	101-1047	1.0 in	5.3 in	1.32 in	470	94	6	6.95
*510-QT-47B	102-1047	5.0 in	5.3 in	.36 in	80	16	N/A	4.25
*510-QT-35S	101-1035	3.8 in	4.1 in	1.32 in	350	70	5	5.95
*510-QT-35B	102-1035	3.8 in	4.1 in	.36 in	60	12	N/A	3.95

PRO-S LAB STATION

- The Pro-S Lab Station includes solderless breadboard
- DC power pack power supply rated +5VDC @ 1A, +12VDC @ 250mA, -12VDC @ 250mA
- A power connector to connect power supply to breadboard
- Jumper wires, 25 precut pieces of color-coded, 22AWG, insulated solid hook-up wire.



510-104-7000	79.95

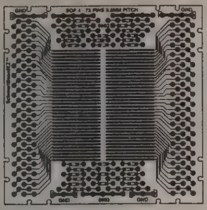
WIRE KIT

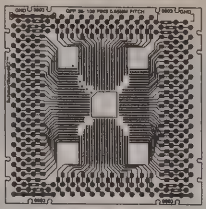
- Contains pre-cut/pre-stripped/pre-formed AWG#22 insulated solid hookup wire
- 25 pieces each of 14 color-coded lengths - 0.1 through 5.0 inches
- Compartmental plastic case

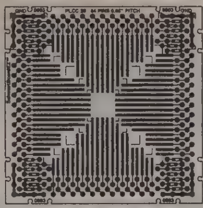
RoHS Compliant

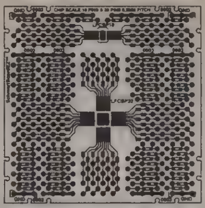
510-WK-1	20.95

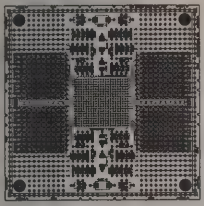
SCHMARTBOARD Prototyping System

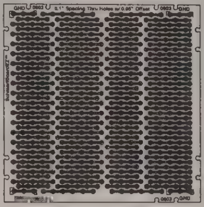
A

872-202-0005-01

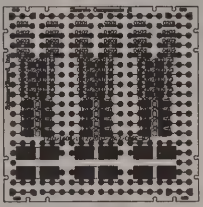
B

872-202-0010-01

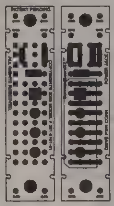
C

872-202-0012-01

D

872-202-0017-01

E

872-202-0025-01

F

872-201-0001-01 Top Side

G

872-202-0034-01

H

872-201-0101-01

PROTOTYPING BOARDS

NEW FROM SUPPLIER

- Anyone can now hand solder SMT components, even BGA or .4mm pitch
- Connect board to board
- Easily place parts on board
- Solder already on board

For quantities of 20 and up, call for quote.

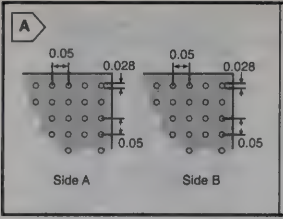
MOUSER STOCK NO.	Fig.	Type	Pitch	Supported Components	Price Each	
					1	5
SO/SOP Packages						
872-202-0004-01	A	SO, 4 - 56 pins, 2"x2" grid	1.27mm	SO pkg, 0603, Through-hole passives	9.99	9.49
872-202-0005-01	A	SOP, 4 - 72 pins, 2"x2" grid	0.8mm	SO, SOP, QSOP, SSOP, TSSOP & PSSOP pkgs, 0603, Through-hole passives	9.99	9.49
872-202-0006-01	A	SOP, 4 - 72 pins, 2"x2" grid	0.65mm	SO, SOP, QSOP, SSOP, TSSOP & PSSOP pkgs, 0603, Through-hole passives	9.99	9.49
872-202-0013-01	A	SOP, 4 - 72 pins, 2"x2" grid	0.635mm	SO, SOP, QSOP, SSOP, TSSOP & PSSOP pkgs, 0603, 0805, Through-hole passives	9.99	9.49
872-202-0007-01	A	SOP, 4 - 72 pins, 2"x2" grid	0.5mm	SO, SOP, QSOP, SSOP, TSSOP & PSSOP pkgs, 0603, 0805, Through-hole passives	9.99	9.49
872-202-0008-01	A	SOP, 4 - 72 pins, 2"x2" grid	0.4mm	SO, SOP, QSOP, SSOP, TSSOP & PSSOP pkgs, 0603, 0805, Through-hole passives	9.99	9.49
QFP Packages						
872-202-0009-02	B	QFP, 32 - 64 pins, 2"x2" grid	0.8mm	QFP, TQFP & PQFP pkgs, 0603, Through-hole passives	9.99	9.49
872-202-0010-02	B	QFP, 36 - 100 pins, 2"x2" grid	0.65mm	QFP, TQFP & PQFP pkgs, 0603, Through-hole passives	9.99	9.49
872-202-0011-01	B	QFP, 32 - 100 pins, 2"x2" grid	0.5mm	QFP, TQFP & PQFP pkgs, 0603, Through-hole passives	9.99	9.49
872-202-0014-01	B	QFP, 64 - 100 pins, 2"x2" grid	0.4mm	QFP, TQFP & PQFP pkgs, 0603, Through-hole passives	9.99	9.49
872-202-0030-01	B	QFP, 120 - 144 Pins, 4" X 4" Grid	0.8mm	QFP, TQFP & PQFP pkgs, 0603, Through-hole passives	19.99	18.99
872-202-0031-01	B	QFP, 112 - 160 Pins, 4" X 4" Grid	0.65mm	QFP, TQFP & PQFP pkgs, 0603, Through-hole passives	19.99	18.99
872-202-0032-01	B	QFP, 128 - 240 Pins, 4" X 4" Grid	0.8mm	QFP, TQFP & PQFP pkgs, 0603, Through-hole passives	19.99	18.99
PLCC Package						
872-202-0012-01	C	PLCC, 20 - 84 pins, 2"x2" grid	1.27mm	PLCC pkg, 0603, Through-hole passives	9.99	9.49
Chip Scale (QFN) Packages						
872-202-0016-01	D	12 to 24 pin, 2"x2" grid	0.5mm 0.65mm	QFN pkg, 0603, Through-hole passives	9.99	9.49
872-202-0017-01	D	10 and 32 pin, 2"x2" grid	0.5mm	QFN pkg, 0603, Through-hole passives	9.99	9.49
872-202-0018-01	D	8 and 48 pin, 2"x2" grid	0.5mm	QFN pkg, 0603, Through-hole passives	9.99	9.49
872-202-0019-01	D	56 pin, 2"x2" grid	0.5mm	QFN pkg, 0603, Through-hole passives	9.99	9.49
872-202-0020-01	D	64 pin, 2"x2" grid	0.5mm	QFN pkg, 0603, Through-hole passives	9.99	9.49
BGA Packages						
872-202-0025-01	E	400 pin, 4"x4" grid	1.27mm	BGA pkg, SOT23, 0603, 0805, 1206, Case-A, B, C, D, Through-hole passives	45.99	43.69
872-202-0026-01	E	400 pin, 4"x4" grid	1.0mm	BGA pkg, SOT23, 0603, 0805, 1206, Case-A, B, C, D, Through-hole passives	45.99	43.69
872-202-0027-01	E	400 pin, 4"x4" grid	0.8mm	BGA pkg, SOT23, 0603, 0805, 1206, Case-A, B, C, D, Through-hole passives	45.99	43.69
Through Hole						
872-201-0001-01	F	0.1" Spacing with 0.05" offset, 2"x2" grid		100% of through hole components with 0.1" spacing pitch	5.00	4.75
872-201-0301-01	F	0.1" Spacing with 0.05" offset, 8"x8" grid		100% of through hole components with 0.1" spacing pitch	50.00	47.50
872-201-0002-01	F	2mm Spacing with 1mm offset, 2"x2" grid		100% of through hole components with 1mm spacing pitch	5.00	4.75
EZ Discrete						
872-202-0034-01	G	EZ Discrete #1		0201, 0603, 0805, 1206, 1210, 1608, 1812, 2010, 2512, Case-A, B, C	9.99	9.49
872-202-0035-01	G	EZ Discrete #2		SOT23-3,5,6, SC70-5,6, DPAK, D2PAK, SOT223, TO263-7,SOT89,0805,1206,Case-A,B,C,D	9.99	9.49
I/O and Power Boards (Through Hole)						
872-201-0100-01	H	Power and ground strip 0.5"x2" grid		Connect the power source or ground	2.50	2.37
872-201-0101-01	H	Power connector and power jack 0.5"x2" grid		1 pc drive power connector	2.50	2.37
872-201-0102-01	H	ATX power connector 0.5"x2" grid		1 pc ATX 20 pin power connector	2.50	2.37
872-201-0103-01	H	Audio/RCA jack 0.5"x2" grid		2 RCA jacks and one 3.5mm phone jack	2.50	2.37
872-201-0104-01	H	D-Sub connector 0.5"x2" grid		D-sub connector from 9 to 25 pins	2.50	2.37
872-201-0105-01	H	JTAG and IEEE1394 Connector 0.5"x2" grid		One 20 pin JTAG connector and 1 IEEE1394 connector	2.50	2.37
872-201-0106-01	H	RGB connector 0.5"x2" grid		One 15 pin RGB connector	2.50	2.37
872-201-0107-01	H	Switches 0.5"x2" grid		4 different types of switches	2.50	2.37
872-201-0108-01	H	RJ11/45 and USB connector 0.5"x2" grid		One RJ11 or one RJ45 connector and 1 USB type B connector	2.50	2.37

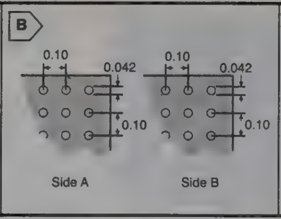
ACCESSORIES

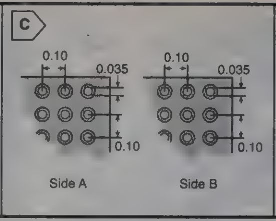
MOUSER STOCK NO.	Fig.	Description	Price Each	
			1	5
872-920-0003-01	- -	Schmartbridges 20 pieces - To connect Schmartboards together	5.00	4.75
872-920-0005-01	- -	3" Red Female Jumpers, 10 pieces with 20 headers	5.00	4.75
872-920-0006-01	- -	5" Yellow Female Jumpers, 10 pieces with 20 headers	5.00	4.75
872-920-0007-01	- -	7" Blue Female Jumpers, 10 pieces with 20 headers	5.00	4.75
872-920-0008-01	- -	3" Red Female Jumpers, 100 pieces	38.00	36.10
872-920-0009-01	- -	5" Yellow Female Jumpers, 100 pieces	38.00	36.10
872-920-0010-01	- -	7" Blue Female Jumpers, 100 pieces	38.00	36.10

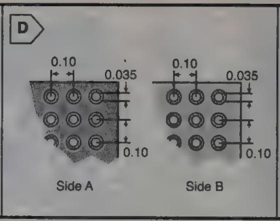
TWIN INDUSTRIES Prototyping Boards

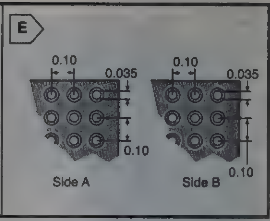
TWIN INDUSTRIES

A


B


C


D


E


GENERAL PURPOSE PROTOTYPING BOARDS

DIMENSIONS: In.

Specifications:
- FR4 Material
- Hole Size: 7050 Series = 0.028" / 7100 Series = 0.042" / 8000-8200 Series = 0.035" (Plated)

For quantities of 20 and up, call for quote.

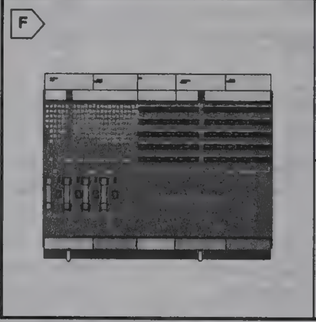
MOUSER STOCK NO.	Twin Industries Part No.	Figure	Description	Board Size	Price Each	
					1	10
589-7050-100	7050-100	A	Plated holes on a .05" grid and 4" x 8" of plated holes on a .10" grid	8" x 8"	58.00	53.99
589-7100-062-4565	7100-062-4565	B	0.1" x 0.1" grid of non-plated .062" through holes	4.5" x 6.5"	7.50	6.99
589-7100-062-4585	7100-062-4585	B	0.1" x 0.1" grid of non-plated .062" through holes	4.5" x 8.5"	11.25	10.47
589-7100-45	7100-45	B	0.1" x 0.1" grid of non-plated through holes	4" x 5"	4.50	4.19
589-7100-410	7100-410	B	0.1" x 0.1" grid of non-plated through holes	4" x 10"	9.00	8.38
589-7100-1010	7100-1010	B	0.1" x 0.1" grid of non-plated through holes	10 " x 10"	22.50	20.95
589-7100-1020	7100-1020	B	0.1" x 0.1" grid of non-plated through holes	10" x 20"	45.00	41.90
589-7100-4565	7100-4565	B	0.1" x 0.1" grid of non-plated through holes	4.5" x 6.5"	7.50	6.99
589-8000-2MM-3U	8000-2mm-3U	C	2mm x 2mm grid of plated through holes, no plane	100mm x 160mm	22.50	20.95
589-8000-1010-LF	8000-1010-LF	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	10" x 10"	59.00	54.93
589-8000-1020	8000-1020	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	10" x 20"	118.00	109.85
589-8100-410	8100-410	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	4" x 10"	23.60	21.97
589-8100-1010	8100-1010	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	10" x 10"	59.00	54.93
589-8100-1020	8100-1020	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	10" x 20"	118.00	109.85
589-8100-4565	8100-4565	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	4.5" x 6.5"	19.67	18.31
589-8200-410	8200-410	E	0.1" x 0.1" grid of plated through holes, two planes	4" x 10"	23.60	21.97
589-8200-1010	8200-1010	E	0.1" x 0.1" grid of plated through holes, two planes	10" x 10"	59.00	54.93
589-8200-1020	8200-1020	E	0.1" x 0.1" grid of plated through holes, two planes	10" x 20"	118.00	109.85
589-8200-4565	8200-4565	E	0.1" x 0.1" grid of plated through holes, two planes	4.5" x 6.5"	19.67	18.31

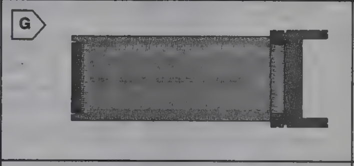
LEAD FREE GENERAL PURPOSE PROTOTYPING BOARDS

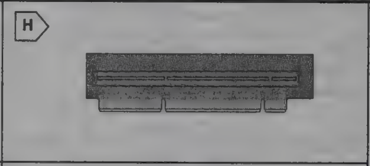
Specifications:
- FR4 Material
- Hole Size: 0.035" (Plated)
- Gold Plating over Copper

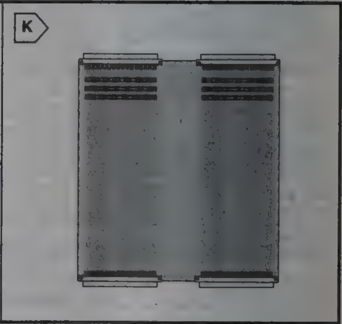
Pb LEAD-FREE

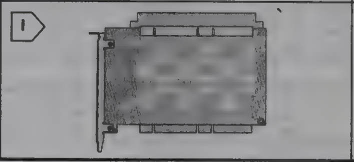
589-8000-410-LF	8000-410-LF	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	4" x 10"	25.50	23.06
589-8000-45-LF	8000-45-LF	C	0.1" x 0.1" grid of non-committed plated through holes, no plane	4" x 5"	12.75	11.53
589-8100-45-LF	8100-45-LF	D	0.1" x 0.1" grid of non-committed plated through holes, one plane	4" x 5"	12.75	11.53
589-8200-45-LF	8200-45-LF	E	0.1" x 0.1" grid of plated through holes, two planes	4" x 5"	12.75	11.53

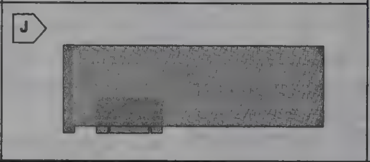
F


G


H


K


I


J


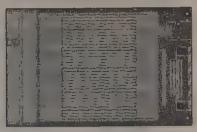
EXTENDER CARDS

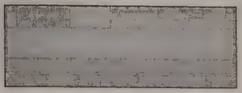
Specifications:
- Multi-Layer Design
- Connectors support full shielding to maintain full Compact PCI compliance

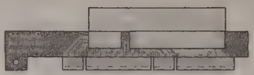
For quantities of 20 and up, call for quote.

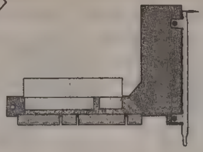
MOUSER STOCK NO.	Twin Industries Part No.	Figure	Description	Board Size	Price Each	
					1	10
589-2000-EXTM	2000-EXTM	F	3U CompactPCI extender supports both 32 and 64 bit transfers	-	249.00	244.00
589-2000-6U-EXTM	2000-6U-EXTM	F	6U CompactPCI extender supports both 32 and 64 bit transfers	-	499.00	474.05
589-2500-EXTM-LF	2500-EXTM-LF	-	Passive PMC extender card with J/P 1-4 connectors	-	398.00	378.10
589-3300-EXTM-LF	3300-EXTM-LF	G	Four layer PCMCIA extender card with internal VCC and ground	2.125" x 6.35"	118.00	112.93
589-7098-EXT	7098-EXT	-	ISA two layer extender card	6.7" x 5.0"	58.00	53.99
589-7564-LAEXTM	7564-LAEXTM	H	Left Angle 64 bit PCI extender (Riser Card) For 3.3 volt systems	-	70.00	66.50
589-7564-UEXTM	7564-UEXTM	I	64 Bit four layer PCI ext card with internal VCC and ground planes	4.2" x 6.9"	158.00	137.75
589-7586-5100	7586-5100	J	PCI 32 bit board with an uncommitted area of 11.2" x 3.7" on a 0.1" grid of plated through holes	12.2" x 3.9"	68.00	63.31
589-7586-5EXTM	7586-5EXTM	J	32 Bit four layer PCI ext card with internal VCC and ground planes	5.1" x 3.9"	158.00	137.75
589-7586-EXT	7586-EXT	J	32 Bit two layer PCI extender card	5.1" x 3.9"	78.00	72.62
589-7586-LAEXTM	7586-LAEXTM	J	Left Angle 32 Bit PCI extender	4.2" x 1.4"	70.00	66.50
589-7586-MINI	7586-MINI	J	32 Bit two layer PCI extender card with gold fingers	5.1" x 1.5"	40.00	33.35
589-7586-RAEXTM	7586-RAEXTM	J	Right Angle 32 bit PCI extender	5.1" x 1.25"	70.00	66.50
589-8196-6U-EXT-LF	8196-6U-EXT-LF	K	Two layer VME Extender card with dual row headers, jumper signal with jumper shunts pre-loaded on all signal headers	9.2" x 9.625"	185.00	175.75
589-8196-EXT	8196-EXT	K	96 pin VME extender card.	5.0" x 3.9"	58.00	53.99

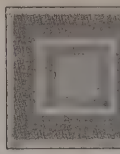
Prototyping Boards, Computer Card Brackets, and Card Guides

A


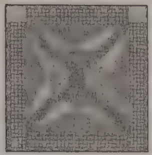
B


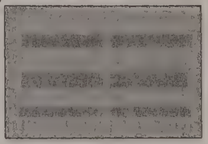
C


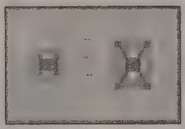
D


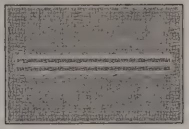
E


F

G


H


I


J


TWIN INDUSTRIES

PROTOTYPING BOARDS

Compact PCI Protoboards

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Twin Industries Part No.	Fig.	Description	Price Each	
				1	10
589-2000-50	2000-50	A	3U Compact PCI; bus bars and noncommitted holes on 0.1" x 0.1" grid	78.00	72.62
589-2000-80	2000-80	B	6U, 80mm Compact PCI rear I/O; bus bars and noncommitted holes on 0.1" x 0.1" grid	88.00	83.60

Adapters & Development Platforms

For quantities of 20 and up, call for quote.

~~589-2000-64PCI~~	2000-64PCI	C	3U Compact PCI to 64 bit PCI passive adapter	145.00	143.55
~~589-2002-64PCI~~	2002-64PCI	D	3U Compact PCI to 64 bit PCI passive adapter with full size bracket	165.00	162.40

SMT & BGA Adapters

For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Twin Industries Part No.	Fig.	Description	Board Size	Price Each	
					1	10
589-BGA-256-1MM	BGA-256-1mm	E	Surface Mount BGA adapter, dedicated plated through holes, 1mm pitch	- - -	68.00	63.31
589-8100-SMT4	8100-SMT4	-	For SOIC medium, wide, metric, and plastic miniflat packages	6.0" x 4.0"	28.00	26.07
589-8100-SMT6	8100-SMT6	F	For QFP packages 160, 100, and 44	4.2" x 4.2"	34.00	33.35
589-8100-SMT7	8100-SMT7	G	For QFP, TQFP, and SQFP packages 240, 208, 144, 128, and 100	4.2" x 4.2"	34.00	33.35
589-8100-SMT8	8100-SMT8	H	For SOIC medium, tiny, metric, and plastic miniflat packages	6.0" x 4.0"	34.00	33.35
589-8100-SMT10-LF	8100-SMT10-LF	I	For TSSOP packages, 0.50mm pitch, Ground plane on rear side	6.0" x 4.0"	34.00	33.35
589-8100-SMT11	8100-SMT11	J	For 80 pin QFP packages. 0.50mm pitch, Ground plane on rear side	6.0" x 4.0"	34.00	33.35

KEYSTONE

COMPUTER CARD BRACKETS

These printed circuit card brackets have been designed to fit all PC computers and are available with a variety of holes and cutouts to connect any peripheral. The standard brackets shown reflect the most common configurations and cutouts for specific applications.

- Material: nickel plated .032" steel

Standard Blanks

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Keystone Part No.	Fig.	Application	Cutout	Price Each			
					1	10	100	500
534-9200	9200	A	EISA/ISA or PCI	Blank	1.99	1.65	1.25	1.00
534-9202	9202	A	EISA/ISA w/tabs	Blank	2.30	1.92	1.45	1.10
534-9203	9203	A	PCI with tabs	Blank	2.23	1.86	1.36	1.06
534-9201	9201	A	EISA/ISA or PCI	Blank	1.95	1.63	1.20	.93

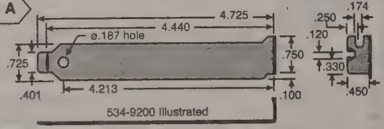
Standard Brackets

For Bracket Dimensions Refer to Figure A
For quantities of 1000 and up, call for quote.

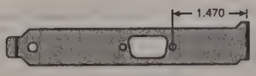
534-9200-1	9200-1	B	EISA/ISA	9P "D" Sub	1.95	1.63	1.20	.93
534-9200-2	9200-2	B	PCI	9P "D" Sub	1.95	1.63	1.20	.93
534-9200-3	9200-3	B	EISA/ISA	15P "D" Sub	2.00	1.67	1.24	.97
534-9200-4	9200-4	B	EISA/ISA	25P "D" Sub	1.95	1.63	1.20	.93
534-9200-8	9200-8	C	PCI	50P SCSI 2-4	1.95	1.63	1.20	.93
534-9200-9	9200-9	C	PCI	68P SCSI 2-4	2.00	1.69	1.25	1.00
534-9200-10	9200-10	D	EISA/ISA or PCI	USB	1.99	1.67	1.24	.97
534-9201-1	9201-1	E	PCI	A/V	1.99	1.67	1.24	.97
534-9202-1	9202-1	F	EISA/ISA	MODEM	1.92	1.60	1.40	1.30
534-9203-2	9203-2	G	PCI	NETWORK	2.00	1.65	1.25	1.00
534-9204-1	9204-1	H	EISA/ISA	SOUND	1.99	1.67	1.24	.97

* Other standard or custom designed brackets are available, contact your Mouser Customer Service Representative.

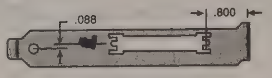
DIMENSIONS: In.

A


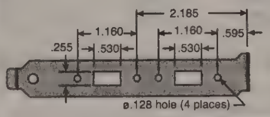
534-9200 Illustrated

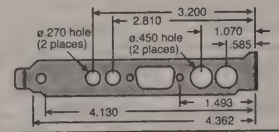
B


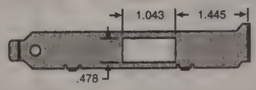
534-9200-1 Illustrated

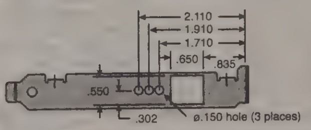
C


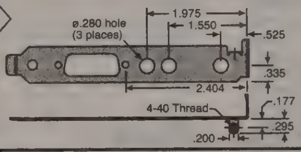
534-9200-6 Illustrated

D


E


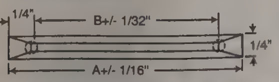
F


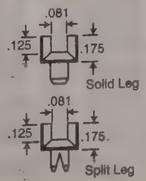
G


H


eagle plastic devices

PCB CARD GUIDES





The printed circuit board card guide is designed to fit a .125" + .003" -.001" front diameter hole and a .120"±.005 x .218" slot rear hole.

DIMENSIONS: In.

Solid Leg Design

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dim. (In.)		Price Each			
		A	B	1	100	500	1000
561-CG250	A	2.5	2.0	.53	.40	.37	.33
561-CG300	A	3.0	2.5	.55	.42	.39	.35
561-CG350	A	3.5	3.0	.55	.42	.39	.35
561-CG400	A	4.0	3.5	.60	.46	.41	.38
561-CG450	A	4.5	4.0	.68	.51	.46	.42
561-0500G	A	5.0	4.5	.93	.64	.47	.39
561-CG550	A	5.5	5.0	.61	.46	.41	.38
561-CG600	A	6.0	5.5	.68	.52	.47	.42

Split Leg Design

For quantities of 2000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Dim. (In.)		Price Each			
		A	B	1	100	500	1000
561-0250WS	B	2.5	2.0	.83	.55	.42	.35
561-0300WS	B	3.0	2.5	.83	.55	.42	.35
561-0400WS	B	4.0	3.5	.92	.62	.46	.39
561-0450WS	B	4.5	4.0	.93	.63	.47	.39
561-0500WS	B	5.0	4.5	.94	.63	.47	.39
561-0550WS	B	5.5	5.0	.94	.63	.47	.39
561-0600WS	B	6.0	5.5	1.07	.72	.54	.45

VECTOR Prototyping Boards

VECTOR
ELECTRONICS & TECHNOLOGY COMPANY
A Pinc Technology Group

VECTORBORD® GENERAL PURPOSE PUNCH BOARDS

- .062" thickness
- Material: FR2 Phenolic, FR4 epoxy glass or CEM-1 epoxy glass composite
- .100" Grid

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions: in.		Material	Price Each		
			W	L		1	10	25
574-64P44WE	64P44WE	A1	4.5	6.5	FR4	7.79	7.12	6.76
574-64P44XXXP	64P44XXXP	A1	4.5	6.5	FR2	7.83	7.12	6.76
574-64P44	64P44	A1	4.5	6.5	CEM-1	7.79	7.12	6.76
574-84P44WE	84P44WE	A1	4.5	8.5	FR4	12.30	11.25	10.03
574-169P44C1	169P44C1	A1	4.5	17.0	CEM-1, 1 oz. unplated copper, 1 side	25.22	21.52	20.10
574-169P44	169P44	A1	4.5	17.0	CEM-1	13.53	11.54	10.78
574-169P44XXXP	169P44XXXP	A1	4.5	17.0	FR2	14.46	12.36	11.55
574-169P44WE	169P44WE	A1	4.5	17.0	FR4	20.77	17.72	16.25
574-169P44WEC1	169P44WEC1	A1	4.5	17.0	FR4, 1 oz. unplated copper, 1 side	20.29	17.30	16.17
574-169P59032	169P59-032	A1	6.0	17.0	FR4	20.76	17.80	16.54
574-169P59047	169P59047	A1	6.0	17.0	FR4	20.28	17.29	16.16
574-169P59XXXP	169P59XXXP	A1	6.0	17.0	FR2	16.08	13.73	12.83
574-169P79WE	169P79WE	A1	8.0	17.0	FR4	32.15	27.44	25.63
574-169P84	169P84	A1	8.5	17.0	CEM-1	35.40	30.21	28.22
574-169P84C1	169P84C1	A1	8.5	17.0	CEM-1, 1 oz. unplated copper, 1 side	41.04	35.03	32.72
574-169P84WE	169P84WE	A1	8.5	17.0	FR4	29.40	25.09	23.44
574-169P84WEC1	169P84WEC1	A1	8.5	17.0	FR4, 1 oz. unplated copper, 1 side	34.91	29.79	27.83
574-169P99	169P99	A1	10.0	17.0	CEM-1	43.37	37.01	34.57
574-85H48WE	85H48WE	A2	4.8	8.5	FR4	16.38	14.97	13.96
574-85H85WE	85H85WE	A2	8.5	8.5	FR4 epoxy glass	31.85	27.20	25.42
574-170H48WE	170H48WE	A2	4.8	17.0	FR4	30.73	26.22	24.50
574-170H85WE	170H85WE	A2	8.5	17.0	FR4	47.15	40.24	37.59
574-126M76-032	126M76-032	A3	4.0	6.5	FR4 epoxy glass	24.33	20.74	19.34

VECTORBORD® CIRCBORD® PRINTED CIRCUIT PROTOTYPING BOARDS

- All bus and circuit patterns are solder-coated
- .042 hole diameter
- .062" thickness
- .100" Grid
- Material: FR4 epoxy glass or CEM-1 epoxy glass composite
- Wire Wrap Terminals: T44, T46, T49, T68
- Wire Wrap Socket Pin: R32

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions: in.		16 Pin DIP	Material	Description	Solder Terminals	Wire Wrap Socket Pin	Price Each	
			W	H						1	10
574-8001	8001	B4	6.5	4.5	20	CEM-1	3-Hole Solder Pad single-sided	T42-1,K24C,K31C	R32	26.00	24.50
574-8002	8002	B7	6.5	4.5	36	CEM-1	Interleaved Buses singled sided	T42-1	R32	27.85	25.98
574-8003	8003	B8	6.5	4.5	60	CEM-1	Pad Per Hole single-sided	T42-1	R32	25.33	24.15
574-8004	8004	B6	6.5	4.5	50	CEM-1	Ground Plane single-sided	T42-1	R32	28.57	26.60
574-8007	8007	B8	6.5	4.5	60	CEM-1	Pad Per Hole & Ground Plane	T42-1	R32	27.02	26.40
574-8008	8008	B10	4.5	6.5	70	FR4	Pad and Planes	T42-1	R32	36.96	34.46
574-3677-6	3677-6	B4	8.1	4.5	21	CEM-1	3-Hole Solder Pad single-sided	T42-1	R32	21.19	19.67
574-45P80-1	45P80-1	B8	8.1	4.5	80	CEM-1	Pad Per Hole 2 sides	T42-1	R32	28.05	26.08
574-8010	8010	B8	4.0	12.9	124	FR4	Pad Per Hole 2 sides	T42-1	R32	42.34	40.88
574-8006	8006	B8	13.3	5.0	154	FR4	Pad Per Hole copper plated-thru holes	T42-1	R32	45.22	43.18
574-8012	8012	B8	11.0	9.2	283	FR4	Pad Per Hole plated-thru holes	T42-1	R32	66.00	64.74
574-8015	8015	B8	4.0	6.0	72	FR4	Pad Per Hole, 2 sides	T42-1, K24C	R32	12.79	12.11
574-8016	8016	B8	6.0	9.0	165	FR4	Pad Per Hole, 2 sides	T42-1, K24C	R32	18.79	17.79
574-8016-1	8016-1	B8	6.0	9.0	165	FR4	Pad Per Hole, 1 side, plated	T42-1, K24C	R32	11.75	11.13
574-106P106-1	106P106-1	B8	10.6	10.6	275	CEM-1	Pad Per Hole and Ground Plane 2 sides	T42-1	R32	59.29	54.31

Eurocard Size Circbords

- 0.6mm hole diameter (Combo hole diameter 0.6mm & .042"
- 1.575mm thickness
- Material: FR4 Epoxy glass

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions: mm		Grid	Description	Price Each	
			W	H			1	10
574-8017	8017	B8	100	160	2mm	Pad Per Hole plated thru-holes	16.85	15.75
574-8018	8018	B8	100	160	2mm & 0.100"	Pad Per Hole and 2mm Combo	19.34	17.17
574-8019	8019	B1	100	160	.100"	38 Tracks/64 Holes Per Track	20.81	20.40
574-8020	8020	B8	100	160	1mm	Ground Plane copper plated-thru holes	32.73	30.60
574-8021	8021	B8	100	160	.05"	Pad Per Hole plated thru-holes	32.73	29.20

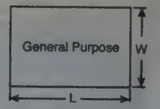
VECTORBORD® PLUGBORDS

- All bus and circuit patterns are solder-coated
- .042 hole diameter
- .062" thickness
- .100" Grid
- Material: FR4 epoxy glass or CEM-1 epoxy glass composite
- Wire Wrap Terminals: T44, T46, T49, T68
- Wire Wrap Socket Pin: R32

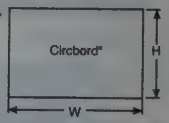
For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Dimensions: in.		16 Pin DIP	Material	Description	Extender	Recommended Card Cage	Price Each	
			W	H						1	10
30 Contacts - .156" Spacing											
574-3797-2	3797-2	C4	4.5	2.73	4	CEM-1	3-Hole Solder Pad	3690-10	CCK 12 Series	20.16	19.22
574-3662-5	3662-5	C5	4.5	4.5	40	CEM-1	Plated Contacts Only	3690	CCK 13 Series	22.12	19.37
574-4112-5	4112-5	C9	4.5	4.5	8	CEM-1	Zig-Zag Buses	3690	CCK 13 Series	28.71	27.71
44 Contacts - .156" Spacing											
574-3662	3662	C5	6.5	4.5	50	CEM-1	Plated Contacts Only	3690	CCK 13 Series	25.12	23.78
574-3662A6	3662A6	C6	6.5	4.5	90	CEM-1	Ground Plane single sided	3690	CCK 13 Series	39.85	37.19
574-3662-9	3662-9	C8	6.5	4.5	48	FR4	Pad Per Hole Voltage & Ground Plane 2 sides	3690	CCK 13 Series	44.08	41.13
574-3677-2	3677-2	C4	6.5	4.5	12	CEM-1	3-Hole Solder Pad single-sided	3690	CCK 13 Series	26.57	26.11
574-3682	3682	C7	4.5	9.6	24	CEM-1	Interleaved Buses	3690	CCK 13 Series	41.95	37.58
574-4112	4112	C4	9.6	4.5	40	FR4	3-Hole Solder Pad Zig-Zag Bus Pattern	3690-10	CCK 13 Series	38.85	36.05
574-4112-4	4112-4	C9	6.5	4.5	25	CEM-1	3-Hole Solder Pad/Overall Ground Plane	3690	CCK 13 Series	31.46	29.73
574-3677	3677	C4	9.6	4.5	21	CEM-1	3-Hole Solder Pad single-sided	3690	CCK 14 Series	32.10	29.58
72 Contacts - .100" Spacing											
574-3719-1	3719-1	C5	6.5	4.5	50	CEM-1	Contacts Only	3690-4	CCK 13 Series	29.89	26.89
574-3719-4	3719-4	C5	9.6	4.5	90	CEM-1	Contacts Only	3690-4	CCK 14 Series	33.18	29.69
3Ux160mm, 6Ux160mm, and 9Ux280mm											
574-E160-3U-1	E160-3U-1	C8	6.3	3.94	35	FR4	Pad Per Hole	--	CCK160-3U	19.90	15.25
574-E160-3U-3	E160-3U-3	C6	6.3	3.94	45	FR4	Voltage Ground Plane	--	CCK160-3U	28.76	22.25
574-4614	4614	C4	6.3	3.94	20	FR4	3-Hole Solder Pad	--	CCK160-3U	31.48	27.73
574-4615	4615	C4	6.3	9.19	50	FR4	3-Hole Solder Pad	--	CCK160-3U	34.72	32.87
574-E160-6U-3	E160-6U-3	C6	6.3	9.19	105	FR4	Pad Per Hole	--	CCK160-6U	30.98	24.99
574-E280-9U-3	E280-9U-3	C6	11.02	14.44	348	FR4	Voltage Ground Plane	--	CCK280-9U	73.03	59.24
BUS SPECIFIC - IBM PC, XT - .100" Spacing											
574-4613-3	4613-3	C8	13.25	4.2	154	FR4	Pad Per Hole	3290-26	--	57.54	49.12
BUS SPECIFIC IBM AT/ISA - .100" Spacing											
574-4617-3	4617-3	C8	13.25	4.5	96	FR4	Pad Per Hole - IBM AT/ISA	3690-26, 3690-26-1	--	76.43	68.45
BUS SPECIFIC - STD - .100" Spacing											
574-4610	4610	C4	6.5	4.5	20	CEM-1	3-Hole Solder Pad	3690-16	CCK13	34.22	31.76

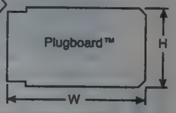
A



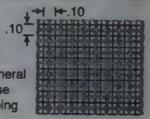
B



C

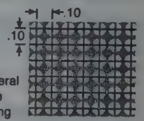


1



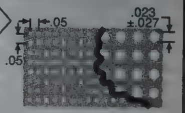
.042" General purpose prototyping

2



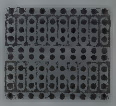
.062" General purpose prototyping

3



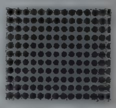
"M" Pattern

4



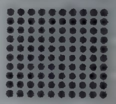
3-Hole solder pad pattern

5



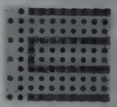
Contacts only pattern

6



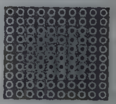
Voltage/ground plane pattern

7



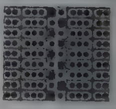
Interleaved bus pattern

8



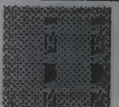
Pad-per-hole pattern

9



Zig-zag buses

10



Pad and planes pattern

VECTOR Extender Cards and Prototype Accessories

VECTOR
ELECTRONICS & TECHNOLOGY COMPANY
A Pine Technology Group

VECTORBORD® GENERAL PURPOSE EXTENDER CARDS

- Low insertion force
- Gold-plated contacts
- Current Rating: 5 amps @ 10°F rise
- Voltage Rating: 200 RMS or 300 VDC

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Extension Length (In.)	Description		Price Each	
				Contacts	Spacing	1	10
574-3690	3690	A	6.5	22 each side	.156"	40.43	37.80
574-3690-2	3690-2	B	11	36 each side	.100"	72.44	67.73
574-3690-6	3690-6	C	11	22 each side	.156"	54.16	50.65
574-3690-8	3690-8	D	5.5	22 each side	.100"	42.00	39.80
574-3690-12	3690-12	E	7.5	50 each side	.125"	76.98	71.98
574-3690-16	3690-16	F	6.5	28 each side	.125"	48.04	44.91
Bus Extenders							
574-3690-18	3690-18	G	7.5	Multibus, 30/43 contacts each side	.100"	119.28	111.53
574-3690-22	3690-22	H	5.7	IBM PC, XT, 31 contacts each side	.100"	77.82	72.95
574-3690-26	3690-26	I	5.6	IBM AT-ISA, 18/31 contacts ea. side	.100"	71.98	63.98

VECTORBORD® METRIC EXTENDER CARDS

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Extension Length (In.)	Description	Price Each	
					1	10
574-VMEE-M	VMEE-M	J	12.2	VME J1, J2, 6U width	387.42	344.00
574-VMEEJ1	VMEE-J1	K	12.2	VME J1 only, 3U width	265.63	235.98
574-UEB220-3U	UEB220-3U	J	12.2	DIN uncommitted 3U	301.88	286.79
574-UEB220-6U	UEB220-6U	K	12.2	DIN uncommitted 6U	501.12	496.50

PROTOTYPE ACCESSORIES

Pins and Terminals

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Description	Package Quantity	Price Each
Press-In Terminals for .042" Holes			**Insertion Tool: 574-P133A**		
574-T46-2-9/M	T46-2-9/M	L	A=.36", B=.42"	1000	95.85
574-T46-3-9/C	T46-3-9/C	L	A=.46", B=.60"	100	16.63
574-T46-3-9/M	T46-3-9/M	L	A=.46", B=.60"	1000	113.79
574-T46-4-9/C	T46-4-9/C	L	A=.04", B=.42"	100	10.45
574-T46-4-9/M	T46-4-9/M	L	A=.04", B=.42"	1000	104.45
574-T46-5-9/M	T46-5-9/M	L	A=.28", B=.60"	1000	105.41
Bifurcated Miniwrap Terminals for .042" Holes			**Insertion Tool: 574-A13 or 574-A13-1**		
574-T44/C	T44/C	M	Max. .021" leads or 24 AWG wires	100	11.55
574-T44/M	T44/M	M	Max. .021" leads or 24 AWG wires	1000	66.50
574-T68/C	T68/C	N	Max. .032" leads or 20 AWG wires	100	10.71
574-T68/M	T68/M	N	Max. .032" leads or 20 AWG wires	1000	63.14
Trifurcated Klipwrap Terminals for .042" Holes			**Insertion Tool: 574-P156**		
574-T49/C	T49/C	O	Wirewrap tail with 3-prong receptacle	100	16.09
574-T49/M	T49/M	O	Wirewrap tail with 3-prong receptacle	1000	141.98
Press-In Pins for .042" Holes			**Insertion Tool: 574-P133A**		
574-K24A/M	K24A/M	P	A=.255", B=.375", gold plated	1000	110.69
574-K24C/M	K24C/M	P	A=.255", B=.375", tin plated	1000	66.40
574-K30C/M	K30C/M	Q	A=.255", B=.305", tin plated	1000	59.75
574-K31C/M	K31C/M	Q	A=.160", B=.195", tin plated	1000	46.50
Push-In Terminals for .042" Holes			**Insertion Tool: 574-P149 or 574-P149A**		
574-T42-1/C	T42-1/C	R	Horizontal slot holds up to 7 wires	100	10.68
574-T42-1/M	T42-1/M	R	Horizontal slot holds up to 7 wires	1000	51.23
Push-In Terminals for .062" Holes			**Insertion Tool: 574-P91A**		
574-T28/C	T28/C	S	Vertical slot holds .025" leads/22 AWG wires	100	10.97
574-T28/M	T28/M	S	Vertical slot holds .025" leads/22 AWG wires	1000	58.52
Wire-wrap Socket Pins for .062" Holes			**Insertion Tool: 574-P158**		
574-R32/C	R32/C	T	Pressfit mounting, 4-finger contacts	100	32.85
574-R32/M	R32/M	T	Pressfit mounting, 4-finger contacts	1000	240.46

Insertion Tools for Pins and Terminals

MOUSER STOCK NO.	Vector Part No.	For Use With	Price Each
574P133A	P133A	Press-In Terminals and Pins for .042" Holes	75.28
574-A13	A13	Bifurcated Miniwrap Terminals for .042" Holes	26.94
574-A13-1	A13-1	Bifurcated Miniwrap Terminals for .042" Holes	28.61
574-P156	P156	Trifurcated Klipwrap Terminals for .042" Holes	79.68
574-P149	P149	Push-In Terminals for .042" Holes	27.99
574-P149A	P149A	Push-In Terminals for .042" Holes	40.25
574-P91A	P91A	Push-In Terminals for .062" Holes	86.30
574-P158	P158	Wire-wrap Socket Pins for .062" Holes	127.23

Tefzel Insulated Silver Plated Wire

This wire is designed to be used with wire wrap terminals. Spool diameter is 1".

- Two 50' Spools Per Package

For quantities of 10 and up, call for quote.

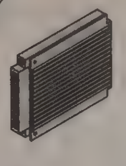
MOUSER STOCK NO.	Vector Part No.	AWG	Color	Price Per Package
574-W28-6A	W28-6A	28	Green	22.28
574-W28-6B	W28-6B	28	Red	22.28
574-W28-6D	W28-6D	28	Blue	22.38
574-W28-6E	W28-6E	28	White	23.37
574-W28-6F	W28-6F	28	Yellow	21.11
574-W28-6H	W28-6H	28	Black	22.28

Solder Eyelets and Bus Strips

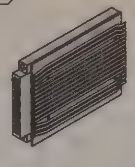
For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Vector Part No.	Fig.	Description	Package Quantity	Price Per Package
574-T123/500	T123/500	U	Solder eyelets for .055" holes	500	33.18
574-T107/C	T107/C	V	.08" x 14" solder-coated bus strips	100	108.92

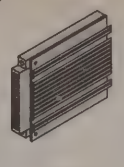
A



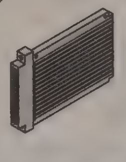
B



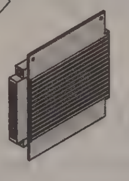
C



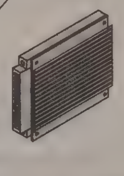
D



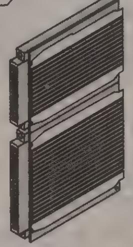
E



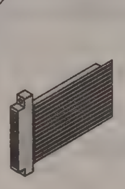
F



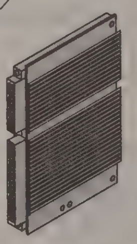
G



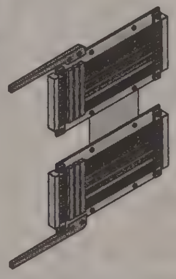
H



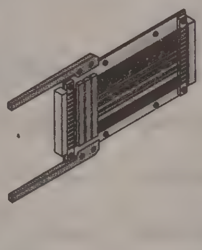
I



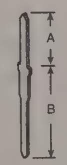
J



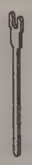
K



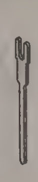
L



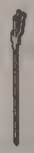
M



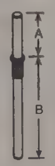
N



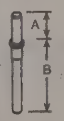
O



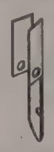
P



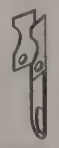
Q



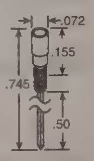
R



S



T



U

V

Environmental Commitment

RoHS Compliant* Sample Kits

new!

Introducing Mouser's RoHS Compliant* Sample Kits

Once again, Mouser is the first distributor to offer its customers the latest and greatest NEW parts and NEW technologies!

*Per Producer Documentation.

RoHS Compliant* Sample Kit
XICON
Polyester Film Capacitor Kit
PFF-KT1
MOUSER

Environmental Commitment

SMD THICK FILM RESISTORS

MOUSER STOCK NO.	Type	Case Size	Range	Pieces of Each Value	Description	Price Each
370-0603J-RC	1/16W, 5%	0603	0-10M	100	0, 1, 1.1, 1.2, 1.3, 1.5, 1.6, 1.8, 2, 2.2, 2.4, 2.7, 3, 3.3, 3.6, 3.9, 4.3, 4.7, 5.1, 5.6, 6.2, 6.8, 7.5, 8.2, 9.1, 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 47, 51, 56, 62, 68, 75, 82, 91, 100, 110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.1k, 1.2k, 1.3k, 1.5k, 1.6k, 1.8k, 2k, 2.2k, 2.4k, 2.7k, 3k, 3k, 3.3k, 3.6k, 3.9k, 4.3k, 4.7k, 5.1k, 5.6k, 6.2k, 6.8k, 7.5k, 8.2k, 9.1k, 10k, 11k, 12k, 13k, 15k, 16k, 18k, 20k, 22k, 24k, 27k, 30k, 33k, 36k, 39k, 43k, 47k, 51k, 56k, 62k, 68k, 75k, 82k, 91k, 100k, 110k, 120k, 130k, 150k, 160k, 180k, 200k, 220k, 240k, 270k, 300k, 330k, 360k, 390k, 430k, 470k, 510k, 560k, 620k, 680k, 750k, 820k, 910k, 1M, 1.1M, 1.2M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 2.4M, 2.7M, 3M, 3.3M, 3.6M, 3.9M, 4.3M, 4.7M, 5.1M, 5.6M, 6.2M, 6.8M, 7.5M, 8.2M, 9.1M, 10M	189.95
370-260-1-RC	1/10W, 5%	0805	10-2M	100	10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1k, 1.2k, 1.5k, 1.8k, 2.2k, 2.7k, 3.3k, 3.9k, 4.7k, 5.6k, 6.8k, 8.2k, 10k, 12k, 15k, 18k, 22k, 27k, 33k, 39k, 47k, 56k, 68k, 82k, 100k, 120k, 150k, 180k, 220k, 270k, 330k, 390k, 470k, 560k, 680k, 820k, 1M, 2M	174.95
370-260-2-RC	1/10W, 5%	0805	11-1.5M	100	11, 13, 16, 20, 24, 30, 36, 43, 51, 62, 75, 91, 110, 130, 160, 200, 240, 300, 360, 430, 510, 620, 750, 910, 1.1k, 1.3k, 1.6k, 2k, 2.4k, 3k, 3.6k, 4.3k, 5.1k, 6.2k, 7.5k, 9.1k, 11k, 13k, 16k, 20k, 24k, 30k, 36k, 43k, 51k, 62k, 75k, 91k, 110k, 130k, 160k, 200k, 240k, 300k, 360k, 430k, 510k, 620k, 750k, 910k, 1.5M	174.95
370-263-1-RC	1/8W, 5%	1206	10-2M	100	10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1k, 1.2k, 1.5k, 1.8k, 2.2k, 2.7k, 3.3k, 3.9k, 4.7k, 5.6k, 6.8k, 8.2k, 10k, 12k, 15k, 18k, 22k, 27k, 33k, 39k, 47k, 56k, 68k, 82k, 100k, 120k, 150k, 180k, 220k, 270k, 330k, 390k, 470k, 560k, 680k, 820k, 1M, 2M	164.95
370-263-2-RC	1/8W, 5%	1206	11-1.5M	100	11, 13, 16, 20, 24, 30, 36, 43, 51, 62, 75, 91, 110, 130, 160, 200, 240, 300, 360, 430, 510, 620, 750, 910, 1.1k, 1.3k, 1.6k, 2k, 2.4k, 3k, 3.6k, 4.3k, 5.1k, 6.2k, 7.5k, 9.1k, 11k, 13k, 16k, 20k, 24k, 30k, 36k, 43k, 51k, 62k, 75k, 91k, 110k, 130k, 160k, 200k, 240k, 300k, 360k, 430k, 510k, 620k, 750k, 910k, 1.5M	164.95
370-290-1-RC	1/8W, 1%	1206	10-806	100	10, 11, 12.1, 12.4, 13, 14, 15, 16.2, 16.9, 17.8, 18.2, 19.1, 20, 22.1, 24.9, 26.1, 27.4, 30.1, 31.6, 33.2, 34, 40.2, 42.2, 43.2, 46.4, 47.5, 49.9, 51.1, 54.9, 56.2, 60.4, 61.9, 68.1, 75, 78.7, 82.5, 90.9, 93.1, 97.6, 100, 105, 110, 118, 121, 124, 127, 130, 140, 150, 162, 182, 200, 205, 215, 221, 237, 243, 249, 255, 261, 267, 274, 287, 294, 300, 301, 316, 332, 365, 374, 383, 392, 402, 432, 442, 464, 475, 499, 511, 523, 562, 590, 604, 619, 634, 649, 681, 715, 750, 806	219.95
370-290-2-RC	1/8W, 1%	1206	825-17.4k	100	825, 866, 887, 953, 1.0k, 1.02k, 1.05k, 1.07k, 1.21k, 1.3k, 1.33k, 1.37k, 1.4k, 1.47k, 1.5k, 1.58k, 1.62k, 1.65k, 1.69k, 1.74k, 1.82k, 1.96k, 2.0k, 2.05k, 2.21k, 2.32k, 2.43k, 2.49k, 2.67k, 2.74k, 2.8k, 2.87k, 2.94k, 3.0k, 3.01k, 3.09k, 3.16k, 3.24k, 3.32k, 3.4k, 3.48k, 3.57k, 3.83k, 3.92k, 4.02k, 4.12k, 4.22k, 4.32k, 4.53k, 4.64k, 4.75k, 4.87k, 4.99k, 5.11k, 5.36k, 5.62k, 5.76k, 6.34k, 6.49k, 6.65k, 6.81k, 6.98k, 7.32k, 7.5k, 7.68k, 7.87k, 8.06k, 8.25k, 8.66k, 9.09k, 9.53k, 10k, 10.2k, 10.5k, 10.7k, 11k, 11.8k, 12.1k, 12.4k, 13k, 13.3k, 13.7k, 14k, 14.3k, 14.7k, 15.4k, 16.2k, 16.5k, 16.9k, 17.4k	219.95
370-290-3-RC	1/8W, 1%	1206	18.2k-1M	100	18.2k, 18.7k, 20k, 20.5k, 21k, 22.1k, 23.7k, 24.3k, 24.9k, 25.5k, 26.1k, 27.4k, 28k, 29.4k, 30k, 30.1k, 31.6k, 32.4k, 33.2k, 34.8k, 35.7k, 36.5k, 39.2k, 40.2k, 42.2k, 43.2k, 44.2k, 45.3k, 46.4k, 47.5k, 48.7k, 49.9k, 51.1k, 52.3k, 57.6k, 59k, 60.4k, 61.9k, 64.9k, 66.5k, 68.1k, 69.8k, 71.5k, 73.2k, 75k, 80.6k, 82.5k, 86.6k, 90.9k, 95.3k, 100k, 102k, 113k, 115k, 118k, 121k, 127k, 130k, 137k, 150k, 158k, 162k, 165k, 169k, 182k, 200k, 210k, 221k, 232k, 249k, 267k, 300k, 332k, 374k, 402k, 453k, 475k, 499k, 511k, 549k, 590k, 649k, 681k, 698k, 715k, 750k, 887k, 909k, 953k, 1.0M	219.95
370-292-1-RC	1/10W, 1%	0805	10-1.02k	100	10, 11, 11.8, 12.1, 12.4, 15, 20, 22.1, 22.6, 24.9, 30.1, 32.4, 33.2, 39.2, 40.2, 41.2, 43.2, 46.4, 47.5, 49.9, 51.1, 54.9, 59, 60.4, 68.1, 69.8, 75, 82.5, 95.3, 100, 107, 110, 113, 121, 124, 130, 137, 140, 143, 150, 158, 162, 169, 174, 182, 187, 200, 205, 221, 226, 243, 249, 261, 267, 274, 280, 287, 294, 300, 301, 324, 332, 340, 357, 365, 374, 383, 392, 402, 422, 432, 464, 475, 487, 499, 511, 549, 562, 590, 604, 665, 681, 715, 750, 768, 825, 866, 909, 1k, 1.02k	199.95
370-292-2-RC	1/10W, 1%	0805	1.07k-20k	100	1.07k, 1.1k, 1.13k, 1.15k, 1.21k, 1.27k, 1.3k, 1.43k, 1.5k, 1.62k, 1.65k, 1.74k, 1.78k, 1.82k, 1.96k, 2k, 2.05k, 2.1k, 2.21k, 2.43k, 2.49k, 2.55k, 2.61k, 2.67k, 2.74k, 2.8k, 2.87k, 3.0k, 3.01k, 3.09k, 3.16k, 3.24k, 3.32k, 3.48k, 3.57k, 3.65k, 3.74k, 3.83k, 3.92k, 4.02k, 4.12k, 4.42k, 4.53k, 4.64k, 4.75k, 4.87k, 4.99k, 5.11k, 5.49k, 5.62k, 5.76k, 5.9k, 6.04k, 6.19k, 6.34k, 6.49k, 6.65k, 6.81k, 7.15k, 7.32k, 7.5k, 8.06k, 8.25k, 8.45k, 9.09k, 9.76k, 10k, 10.2k, 10.5k, 10.7k, 11k, 11.3k, 11.5k, 11.8k, 12.1k, 12.4k, 12.7k, 13k, 13.3k, 14k, 14.3k, 14.7k, 15k, 15.4k, 16.2k, 16.5k, 17.4k, 19.1k, 19.6k, 20k	199.95
370-292-3-RC	1/10W, 1%	0805	20.5k-1M	100	20.5k, 21k, 21.5k, 22.1k, 22.6k, 23.2k, 24.3k, 24.9k, 25.5k, 26.1k, 26.7k, 27.4k, 28k, 28.7k, 30k, 30.1k, 33.2k, 34k, 34.8k, 35.7k, 36.5k, 37.4k, 38.3k, 39.2k, 40.2k, 41.2k, 42.2k, 43.2k, 44.2k, 45.3k, 47.5k, 48.7k, 49.9k, 51.1k, 56.2k, 57.6k, 59k, 60.4k, 61.9k, 64.9k, 66.5k, 68.1k, 69.8k, 71.5k, 73.2k, 75k, 78.7k, 80.6k, 82.5k, 84.5k, 86.6k, 88.7k, 90.9k, 93.1k, 97.6k, 100k, 102k, 105k, 110k, 113k, 115k, 121k, 124k, 150k, 162k, 200k, 205k, 221k, 249k, 274k, 300k, 332k, 383k, 392k, 402k, 422k, 453k, 475k, 499k, 511k, 562k, 604k, 619k, 681k, 825k, 845k, 887k, 909k, 976k, 1.0M	199.95
370-301-1-RC	1/16W, 5%	0603	10-2M	100	10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1.0K, 1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K, 120K, 150K, 180K, 220K, 270K, 330K, 390K, 470K, 560K, 680K, 820K, 1.0M, 2.0M	188.95
370-301-2-RC	1/16W, 5%	0603	11-1.5M	100	11, 13, 16, 20, 24, 30, 36, 43, 51, 62, 75, 91, 110, 130, 160, 200, 240, 300, 360, 430, 510, 620, 750, 910, 1.1K, 1.3K, 1.6K, 2.0K, 2.4K, 3.0K, 3.6K, 4.3K, 5.1K, 6.2K, 7.5K, 9.1K, 11K, 13K, 16K, 20K, 24K, 30K, 36K, 43K, 51K, 62K, 75K, 91K, 110K, 130K, 160K, 200K, 240K, 300K, 360K, 430K, 510K, 620K, 750K, 910K, 1.5M	188.95
371-27BAAB-RC	1/8W, 1%	1206	51.1-324	30	51.1, 52.3, 53.6, 54.9, 56.2, 57.6, 59, 60.4, 61.9, 63.4, 64.9, 66.5, 68.1, 69.8, 71.5, 73.2, 75, 76.8, 78.7, 80.6, 82.5, 84.5, 86.6, 88.7, 90.9, 93.1, 95.3, 97.6, 100, 102, 105, 107, 110, 113, 115, 118, 121, 124, 127, 130, 133, 137, 140, 143, 147, 150, 154, 158, 162, 165, 169, 174, 178, 182, 187, 191, 196, 200, 205, 210, 215, 221, 226, 232, 237, 243, 249, 255, 280, 287, 294, 300, 301, 309, 316, 324	188.95

RoHS Compliant Prototype Kits

RoHS Compliant

NETWORK RESISTORS

MOUSER STOCK NO.	Type	Case Size	Range	Pieces of Each Value	Description	Price Each
370-264-1-RC	Com. Buss, 2%	6 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1K, 2.2K, 3.3K, 4.7K, 5.6K, 6.8K, 10K, 22K, 47K, 100K, 1M	29.95
370-265-1-RC	Com. Buss, 2%	8 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1K, 2.2K, 3.3K, 4.7K, 5.6K, 6.8K, 10K, 22K, 47K, 100K, 1M	39.95
370-266-1-RC	Com. Buss, 2%	10 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1K, 2.2K, 3.3K, 4.7K, 5.6K, 6.8K, 10K, 22K, 47K, 100K, 1M	49.95
370-267-1-RC	Isolated, 2%	6 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1K, 2.2K, 3.3K, 4.7K, 5.6K, 6.8K, 10K, 22K, 47K, 100K, 1M	29.95
370-268-1-RC	Isolated, 2%	8 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1K, 2.2K, 3.3K, 4.7K, 5.6K, 6.8K, 10K, 22K, 47K, 100K, 1M	39.95
370-269-1-RC	Isolated, 2%	10 Pin	100-1M	20	100, 150, 220, 270, 330, 470, 680, 1K, 2.2K, 3.3K, 4.7K, 5.6K, 6.8K, 10K, 22K, 47K, 100K, 1M	49.95

METAL OXIDE RESISTORS

MOUSER STOCK NO.	Type	Range	Pieces of Each Value	Description	Price Each
370-261-1-RC	1W, 5%	.5 - 100	10	0.5, 0.68, 0.82, 1, 1.5, 2, 3, 4.7, 5.6, 6.8, 8.2, 9.1, 10,15, 20, 30, 39, 47, 51, 68, 75, 82, 91, 100	35.95
370-261-2-RC	1W, 5%	110 - 1.0K	10	110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.0K	35.95
370-261-3-RC	1W, 5%	1.1 -68K	10	1.1K, 1.5K, 2.0K, 2.7K, 3.0K, 3.9K, 4.7K, 5.1K, 6.2K, 7.5K, 8.2K, 9.1K, 10K, 15K, 20K, 27K, 30K, 33K, 39K, 47K, 1K, 56K, 62K, 68K	35.95
370-262-1-RC	2W, 5%	.5 - 100	10	0.5, 0.68, 0.82, 1, 1.5, 2, 3, 4.7, 5.6, 6.8, 8.2, 9.1, 10, 15, 20, 30, 39, 47, 51, 68, 75, 82, 91, 100	40.95
370-262-2-RC	2W, 5%	110 - 1.0K	10	110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.0K	40.95
370-262-3-RC	2W, 5%	1.1K -68K	10	1.1K, 1.5K, 2.0K, 2.7K, 3.0K, 3.9K, 4.7K, 5.1K, 6.2K, 7.5K, 8.2K, 9.1K, 10K, 15K, 20K, 27K, 30K, 33K, 39K, 47K, 51K, 56K, 62K, 68K	40.95

SMALL BODY METAL OXIDE RESISTORS

MOUSER STOCK NO.	Type	Range	Pieces of Each Value	Description	Price Each
370-281-1-RC	1W, 5%	.5 - 100	10	0.5, 0.68, 0.82, 1, 1.5, 2, 3, 4.7, 5.6, 6.8, 8.2, 9.1, 10, 15, 20, 30, 39, 47, 51, 68, 75, 82, 91, 100	29.95
370-281-2-RC	1W, 5%	110 - 1.0K	10	110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.0K	29.95
370-281-3-RC	1W, 5%	1.1 - 68	10	1.1, 1.5, 2, 2.7, 3, 3.9, 4.7, 5.1, 6.2, 7.5, 8.2, 9.1, 10, 15, 20, 27, 30, 33, 39, 47, 51, 56, 62, 68	29.95
370-282-1-RC	2W, 5%	.5 - 100	10	0.5, 0.68, 0.82, 1, 1.5, 2, 3, 4.7, 5.6, 6.8, 8.2, 9.1, 10, 15, 20, 30, 39, 47, 51, 68, 75, 82, 91, 100	35.95
370-282-2-RC	2W, 5%	110 -1.0K	10	110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1.0K	35.95
370-282-3-RC	2W, 5%	1.1K - 68K	10	1.1K, 1.5K, 2.0K, 2.7K, 3.0K, 3.9K, 4.7K, 5.1K, 6.2K, 7.5K, 8.2K, 9.1K, 10K, 15K, 20K, 27K, 30K, 33K, 39K, 47K, 51K, 56K, 62K, 68K	35.95

METAL FILM RESISTORS

MOUSER STOCK NO.	Type	Range	Pieces of Each Value	Description	Price Each
370-270-1-RC	1/8W, 1%, 100ppm	4.75 - 1K	10	4.75, 10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K	29.95
370-270-2-RC	1/8W, 1%, 100ppm	6.8K - 100K	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	29.95
370-270-3-RC	1/8W, 1%, 100ppm	110K - 910K	10	110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	29.95
370-271-1-RC	1/4W, 1%, 50ppm	10 - 1K	10	10, 12, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 10, 12, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K	29.95
370-271-2-RC	1/4W, 1%, 50ppm		10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	29.95
370-271-3-RC	1/4W, 1%, 50ppm	110K - 1M	10	110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	29.95
370-273-1-RC	1/2W, 1%	10 - 1K	10	10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K	35.95
370-273-2-RC	1/2W, 1%	1.1K - 100K	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	35.95
370-273-3-RC	1/2W, 1%	110K - 1M		110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	35.95
370-270-C-RC	1/8W, 1%, 50ppm	4.75 - 1.0M	200	4.75, 10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	299.95
370-271-C-RC	1/4W, 1%, 50ppm	10 - 1.0M	200	10, 12, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	329.95
370-273-C-RC	1/2W, 1%, 50ppm	10 - 1.0M	100	10, 20, 30, 39, 47, 51, 68, 100, 120, 160, 200, 220, 270, 300, 330, 390, 430, 560, 620, 750, 820, 910, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3.0K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 270K, 300K, 330K, 390K, 430K, 470K, 499K, 560K, 620K, 680K, 750K, 820K, 845K, 910K, 953K, 1.0M	399.95

Need Customized Kits? Just give us a call and we'll deliver.

RoHS Compliant Prototype Kits

RoHS Compliant

CARBON FILM RESISTORS

MOUSER STOCK NO.	Type	Range	Pieces of Each Value	Description	Price Each
370-291-1-RC	1/4W, 5%	1.2-1k	10	1, 2, 3, 4.7, 5.6, 7.5, 8.2, 10, 12, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K	18.95
370-291-1C-RC	1/4W, 5%	1.2-1k	200	1, 2, 3, 4.7, 5.6, 7.5, 8.2, 10, 12, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K	37.00
370-291-2-RC	1/4W, 5%	1.1k-100k	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	18.95
370-291-2C-RC	1/4W, 5%	1.1k-100k	200	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	37.00
370-291-3-RC	1/4W, 5%	110k-10M	10	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 2M, 3.3M, 3.9M, 4.7M, 5.6M, 6.8M, 8.2M, 10M	18.95
370-291-3C-RC	1/4W, 5%	110k-10M	200	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 2M, 3.3M, 3.9M, 4.7M, 5.6M, 6.8M, 8.2M, 10M	37.00
370-291-C-RC	1/4W, 5%	1-10M	200	1, 2, 3, 4.7, 5.6, 7.5, 8.2, 10, 12, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 2M, 3.3M, 3.9M, 4.7M, 5.6M, 6.8M, 8.2M, 10M	139.95
370-293-1-RC	1/2W, 5%	2.2-1K	10	2.2, 2.4, 3, 4.7, 5.6, 7.5, 8.2, 10, 13, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K	23.95
370-293-1C-RC	1/2W, 5%	33-470K	200	33, 47, 100, 150, 330, 470, 560, 680, 1K, 2.2K, 3.3K, 4.7K, 5.6K, 10K, 22K, 47K, 75K, 100K, 150K, 180K, 220K, 330K, 470K	74.95
370-293-2-RC	1/2W, 5%	1.1k-100k	10	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	23.95
370-293-2C-RC	1/2W, 5%	1.1k-100k	200	1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K	74.95
370-293-3-RC	1/2W, 5%	110k-3.3M	10	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 3.3M	23.95
370-293-3C-RC	1/2W, 5%	110k-3.3M	200	110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 3.3M	74.95
370-293-C-RC	1/2W, 5%	2.2-3.3M	200	2.2, 2.4, 3, 4.7, 5.6, 7.5, 8.2, 10, 13, 15, 20, 27, 47, 68, 75, 100, 200, 300, 430, 560, 680, 750, 820, 1K, 1.1K, 1.5K, 1.8K, 2K, 2.7K, 3K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 15K, 20K, 27K, 30K, 33K, 47K, 56K, 68K, 75K, 82K, 100K, 110K, 130K, 150K, 180K, 200K, 270K, 300K, 330K, 390K, 470K, 560K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 3.3M	100.00
370-294-1-RC	1W, 5%	2.2-1K	10	2.2, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 15, 27, 39, 47, 56, 68, 82, 100, 150, 220, 270, 330, 470, 560, 680, 820, 1K	29.95
370-294-2-RC	1W, 5%	1.2K-100K	10	1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K	29.95
370-294-2C-RC	1W, 5%	1.2K-100K	100	1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K	114.95
370-294-C-RC	1W, 5%	2.2-100K	100	2.2, 3.3, 4.7, 5.6, 6.8, 8.2, 10, 15, 27, 39, 47, 56, 68, 82, 100, 150, 220, 270, 330, 470, 560, 680, 820, 1K, 1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K, 10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K	229.95
370-299-1-RC	1/8W, 5%	1-82	10	1, 1.2, 1.5, 1.8, 2.2, 2.7, 3.3, 3.9, 4.7, 5.6, 6.8, 8.2, 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82	19.95
370-299-2-RC	1/8W, 5%	100-8.2k	10	100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1K, 1.2K, 1.5K, 1.8K, 2.2K, 2.7K, 3.3K, 3.9K, 4.7K, 5.6K, 6.8K, 8.2K	19.95
370-299-3-RC	1/8W, 5%	10k-820k	10	10K, 12K, 15K, 18K, 22K, 27K, 33K, 39K, 47K, 56K, 68K, 82K, 100K, 120K, 150K, 180K, 220K, 270K, 330K, 390K, 470K, 560K, 680K, 820K	19.95
370-299C-RC	1/8W, 5%	1-4.7M	200	1, 1.1, 1.2, 1.3, 1.5, 1.6, 1.8, 2, 2.2, 2.4, 2.7, 3, 3.3, 3.6, 3.9, 4.3, 4.7, 5.1, 5.6, 6.2, 6.8, 7.5, 8.2, 9.1, 10, 11, 12, 13, 15, 16, 18, 20, 22, 24, 27, 30, 33, 36, 39, 43, 47, 51, 56, 62, 68, 75, 82, 91, 100, 110, 120, 130, 150, 160, 180, 200, 220, 240, 270, 300, 330, 360, 390, 430, 470, 510, 560, 620, 680, 750, 820, 910, 1K, 1.1K, 1.2K, 1.3K, 1.5K, 1.6K, 1.8K, 2K, 2.2K, 2.4K, 2.7K, 3K, 3.2K, 3.3K, 3.6K, 3.9K, 4.3K, 4.7K, 5.1K, 5.6K, 6.2K, 6.8K, 7.5K, 8.2K, 9.1K, 10K, 11K, 12K, 13K, 15K, 16K, 18K, 20K, 22K, 24K, 27K, 30K, 33K, 36K, 39K, 43K, 47K, 51K, 56K, 62K, 68K, 75K, 82K, 91K, 100K, 110K, 120K, 130K, 150K, 160K, 180K, 200K, 220K, 240K, 270K, 300K, 330K, 360K, 390K, 430K, 470K, 510K, 560K, 620K, 680K, 750K, 820K, 910K, 1M, 1.1M, 1.2M, 1.3M, 1.5M, 1.6M, 1.8M, 2M, 2.2M, 2.4M, 2.7M, 3.0M, 3.3M, 3.6M, 3.9M, 4.3M, 4.7M	279.95

PROTOTYPING KIT HARDWARE

MOUSER STOCK NO	Type	Pieces in Each Kit	Description	Price Each
534-1721	Keystone Staking Tool Kit	6	2 1/4 staking tools, 2 bottom anvils, 1 tool holder, 1 instruction	26.16
534-4732	Keystone TO-3 Transistor Mnt.	4	2 #6-20 screws, 1 mica insulator, 1 Stock No. 534-4602 transistor socket	1.70
534-4734	Keystone TO-3 Transistor Mnt.	8	2 #6-20 screws, 1 mica insulator, 4 nylon bushings, 1 Stock No. 534-4606 transistor socket	1.91
534-4616	Keystone Transistor Mount	1	Nylon power transistor mount only for TO-3	.20
534-4725	Keystone TO-3 Transistor Mount	12	**1 ea.:** mica insulator, solder terminal; **2 ea.:** #6-32 screws, shoulder washers, metal washers	1.13
534-4729	Keystone Transistor Mount	5	For DO-4, TO-59, TO-60, TO-62 - **1 each:** mica insulator, shoulder washer, solder terminal, lockwasher, #10-32 nut+D97	1.16
534-4730	Keystone Transistor Mount	5	For DO-5, TO-48, TO-61 - **1 ea.:** mica insulator, shoulder washer, solder terminal, lockwasher, 1/4-28 nut	1.13
534-4724	Keystone TO-220 Transistor Mnt.	5	**1 each:** #4-40 screw, mica insulator, shoulder washer, lockwasher, #4-40 nut	1.13
561-M1991	Eagle Plastic Devices Transistor Hardware, Nylon	180	**20 each:** capacitor mounts - 561-F001, 561-F002, 561-F003 assortment of 14styles of standard and heavy duty power transistor mounts for TO-3 and TO-66	30.64
561-M1992	Eagle Plastic Devices Spacers/Standoffs, Nylon	290	**30 each:** hex spacers - tapped 440, 632, 832 diameter ,1/4" to 1" long; **35 each:** round spacers - tapped 440, 632, 832, 1032, 1/4-20, 1/4", 5/16", 3/8", 1/" diameter, 1/4" to 1" long; **45 each:** hex male/female standoffs - threaded 440, 632, 832 diameter,1/4" to 1" long; **80 each:** hex spacers - plain 1/4" to 1" long; **100 each:** round spacers - plain 3/16", 1/4", 3/8", 1/2" diameters, 1/8" to 1" long	50.46
561-M1993	Eagle Plastic Devices Shoulder Washers, Nylon	320	**10 each:** 5/16 screw insulators; **25 each:** #6, #8, #10, 1/4 screw insulators; **30 each:** #2, #4 screw insulators; **150 each:** shoulder washers .093 to 1/4" ID .125 to .500 OD	30.64
561-M1994	Eagle Plastic Devices PCB Posts, Nylon	735	**40 each:** 561-A0750; **50 each:** 561-A0625; **60 each:** 561-A0500; **65 each:** 561-A1000; **70 each:** 561-A0437; **80 each:** 561-A0375; **95 each:** 561-A0312; **100 each:** 561-A0125, 561-A0250	50.46
561-M1995	Eagle Plastic Devices Cable Clips, Nylon	140	Adhesive backed clips - **4 each:** 1/2" single, 1/2" double; **6 each:** 3/8" single, 3/8" double; **10 each:** 1/4" single, 1/4" double; **12 each:** 1/8" single, 1/8" double Heavy duty clips - **6 each:** 1/2"; **12 each:** 1/8", 3/16", 1/4", 5/16", 3/8", 7/16"	30.64
561-M1996	Eagle Plastic Devices Cable Clamps, Nylon	300	**3 each:** 1 1/4" x 1/2", 1 1/2" x 1/2"; **5 each:** 1" x 1/2"; **10 each:** 1/2" x 1/2", 9/16" x 1/2", 5/8" x 1/2",3/4" x 1/2"; **15 each:** 5/16" x 1/2", 3/8" x 1/2", 7/16" x 1/2"; **20 each:** 5/16" x 3/8", 3/8" x 3/8", 7/16" x 3/8", 1/2" x 3/8"; **25 each:** 3/16" x 1/2", 1/4" x 1/2", 1/4" x 3/8"; **40 each:** 1/8" x 1/8"	50.46
561-M1997	Eagle Plastic Devices Flat Washers, Nylon	510	**20 each:** 1/2"; **40 each:** 3/8"; **50 each:** #2; **60 each:** #4, #6, #8, #10, 1/4"; **100 each:** 9/16" to 3/4"	30.64
561-M1998	Eagle Plastic Devices Screws and Nuts, Nylon	755	**100 each:** 440 x 1/4" to 1" long assorted headstyles 623 x 1/4" to 5/8" long assorted headstyles 832 x 1/4" to 3/4" long assorted headstyles 1032 x 1/4" to 1/2" long assorted headstyles 440, 632, 832, 1032, 1/4-20 socket set screws 440, 632, 832, 1032, 1/4-20 hex nuts; **30 each:** 1/4-20 x 1/4" to 3/4" long round and fillister head; **125 each:** #4, #6, #8, #10, 1/4 flat washer	50.46
561-M1999	Eagle Plastic Devices Strain Relief	108	**2 each:** 561-MP7W2, 561-30-1; **4 each:** 561-MP6N4; **6 each:** 561-MP6P34; **8 each:** 561-MP14L1, MP15L1; **10 each:** 561-MP4K4, 561-MP4N4, 561-MP5P4; **12 each:** 561-MP6W1; **16 each:** 561-MP3P4; **20 each:** 561-MP2M4	31.50

INDUCTOR KITS

MOUSER STOCK NO.	Type	Pieces in Each Kit	Description (Values in nH)	Price Each
652-CW160808-LAB1	Bourns High Q Inductors	540	30 each: 4.7, 6.8, 8.2, 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 150, 220	67.50
652-CW201212-LAB1	Bourns High Q Inductors	450	25 each: 12, 15, 22, 33, 47, 100, 150, 220, 330, 470, 1000, 1500, 2200, 3300, 4700	67.50
652-CW252016-LAB1	Bourns High Q Inductors	300	20 each: 2.2, 3.3, 4.7, 6.8, 8.2, 10, 15, 22, 33, 47, 68, 100, 150, 220, 330, 470, 680, 91	67.50

RoHS Compliant Prototype Kits

RoHS Compliant

Littelfuse® CARTRIDGE, AXIAL LEAD, AND BLADE FUSE KITS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Quantity	Values Contained in Kit (Amps)	Price Each		
				1	3	5
370-LIT216HXP	5 x 20mm Fast Acting 216 Cartridge Series Fuses	10 Pieces each of 18 Values	0.05, 0.1, 0.125, 0.2, 0.25, 0.315, 0.5, 1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10	137.95	133.95	129.95
370-LIT217HXP	5 x 20mm Fast Acting 217 Cartridge Series Fuses	10 Pieces each of 27 Values	0.032, 0.04, 0.05, 0.063, 0.08, 0.1, 0.125, 0.135, 0.16, 0.2, 0.25, 0.4, 0.5, 0.63, 0.8, 1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10, 15	129.95	125.95	122.95
370-LIT218HXP	5 x 20mm Slo-Blo® 218 Cartridge Series Fuses	10 Pieces each of 27 Values	0.032, 0.04, 0.05, 0.063, 0.08, 0.1, 0.125, 0.16, 0.2, 0.25, 0.315, 0.4, 0.5, 0.63, 0.8, 1, 1.25, 1.6, 2, 2.5, 3.15, 4, 5, 6.3, 8, 10, 15	189.95	181.95	175.95
370-LIT225HXP	2AG Fast Acting Subminiature Glass Body 225 Cartridge Series Fuses	10 Pieces each of 18 Values	0.1, 0.125, 0.25, 0.375, 0.5, 0.75, 1, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6, 7, 8, 10	55.95	54.95	53.95
370-LIT229HXP	2AG Slo-Blo® Subminiature Glass Body 229 Cartridge Series Fuses	10 Pieces each of 18 Values	0.25, 0.35, 0.375, 0.5, 0.6, 0.75, 1, 1.25, 1.5, 2, 2.25, 2.5, 3, 3.5, 4, 5, 6, 7	72.95	70.95	68.95
370-LIT229HXSP	2AG Slo-Blo® Subminiature 229 Indicating Cartridge Series Fuses	10 Pieces each of 18 Values	0.25, 0.35, 0.375, 0.5, 0.6, 0.75, 1, 1.25, 1.5, 2, 2.25, 2.5, 3, 3.5, 4, 5, 6, 7	59.95	57.95	55.95
370-LIT312HXP	3AG Fast Acting 312 Glass Body Cartridge Series Fuses	10 Pieces each of 31 Values	0.01, 0.031, 0.062, 0.1, 0.125, 0.15, 0.175, 0.187, 0.2, 0.25, 0.3, 0.375, 0.5, 0.6, 0.75, 1, 1.25, 1.5, 1.6, 1.75, 1.8, 2, 2.25, 2.5, 3, 4, 5, 6, 7, 8, 10	168.95	164.95	159.95
370-LIT313HXP	3AG Slo-Blo® 313 Glass Body Cartridge Series Fuses	10 Pieces each of 33 Values	0.01, 0.04, 0.062, 0.1, 0.125, 0.15, 0.187, 0.2, 0.25, 0.3, 0.375, 0.4, 0.5, 0.7, 0.8, 1, 1.25, 1.5, 1.6, 2, 2.5, 3, 4, 5, 6.25, 7, 8, 10, 12, 15, 20, 25, 30	227.95	220.95	214.95
370-LIT251MXL	PICO® II Very Fast Acting 251 Axial Lead Series Fuses	10 Pieces each of 18 Values	0.125, 0.25, 0.375, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 4, 5, 7, 10, 12, 15	54.95	53.95	51.95
370-LIT297WXNV	MINI® Fast Acting mini blade Fuses	10 Pieces of each of 10 Fuses, 20 Pieces of the Shunt	2, 3, 4, 5, 7.5, 10, 15, 20, 25, 30, SHUNT	31.95	30.95	28.95

Littelfuse® SURFACE MOUNT FUSE KITS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Quantity	Values Contained in Kit (Amps)	Price Each		
				1	3	5
370-LIT154DRT	SMF OMNI-BLOK® Fuse Blocks for SLO-BLO® NANO2® Surface Mount Fuses	10 Pieces each of 11 Values	0.375, 0.5, 0.75, 1, 1.5, 2, 2.5, 3, 3.5, 4, 5	154.95	149.95	145.95
370-LIT154DR	SMF OMNI-BLOK® Fuse Blocks for Very Fast Acting Nano2® Surface Mount Fuses	10 Pieces each of 29 Values	0.062, 0.08, 0.01, 0.125, 0.16, 0.2, 0.25, 0.315, 0.375, 0.4, 0.5, 0.63, 0.75, 0.8, 1, 1.25, 1.5, 1.6, 2, 2.5, 3, 3.15, 3.5, 4, 5, 6.3, 7	331.95	322.95	312.95
370-LIT451MRL	NANO2® Very Fast Acting 451 Surface Mount Series Fuses	25 Pieces each of 31 Values	0.062, 0.08, 0.1, 0.125, 0.16, 0.2, 0.25, 0.315, 0.375, 0.4, 0.5, 0.63, 0.75, 0.8, 1, 1.25, 1.5, 1.6, 2, 2.5, 3, 3.15, 3.5, 4, 5, 6.3, 7, 8, 10, 12, 15	523.95	509.95	494.95
370-LIT452MRL	NANO2® Slo-Blo® 452 Surface Mount Series Fuses	25 Pieces each of 11 Values	0.375, 0.5, 0.75, 1, 1.5, 2, 2.5, 3, 3.5, 4, 5	192.95	187.95	181.95
370-LIT453MR	NANO2® Very Fast Acting 453 Surface Mount Series Fuses	25 Pieces each of 18 Values	0.16, 0.25, 0.375, 0.5, 0.75, 1, 1.25, 1.5, 2, 2.5, 3, 3.5, 5, 7, 8, 10, 12, 15	256.95	248.95	239.95
370-LIT466NR	SlimLine® 1206 Very Fast Acting 466 Surface Mount Series Fuses	25 Pieces each of 9 Values	0.125, 0.5, 0.75, 1, 2, 3, 5, 2.5, 1.25	87.95	85.95	83.95
370-LIT467NR	Slimline® 0603 Very Fast Acting 467 Surface Mount Series Fuses	25 Pieces each of 9 Values	0.25, 0.5, 0.75, 1, 1.5, 2, 3, 4, 5	110.95	107.95	104.95

Kingbright LED KITS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Quantity	Values Contained in Kit	Price Each		
				1	3	5
370-KBTBLINK	Blinking T-1 (3mm) and T-1-3/4 (5mm) LED Lamps	25 Pieces each of 6 Values	565nm - 700nm	104.95	99.95	94.95
370-KBTBLWH	Blue and White LED Lamps in assorted sizes	10 Pieces each of 16 Values	Blue and White	288.95	279.95	272.95
370-KBTDUALCLR	Dual Color LED Lamps in assorted sizes	10 Pieces each of 11 Values	Dual Color, Varies	39.95	37.95	35.95
370-KBTRECTAN	Rectangular LED Lamps	10 Pieces each of 9 Values	565nm - 700nm	14.95	13.95	12.95
370-KBTSBT1347113	Super Bright T-1-3/4 (5mm) LED Lamps	10 Pieces each of 33 Values	565nm - 660nm	93.95	88.95	83.95
370-KBTSBT17104	Super Bright T-1 (3mm) LED Lamps	10 Pieces each of 28 Values	565nm - 660nm	75.95	69.95	63.95
370-KBTSPRFLUX	Super Flux LED Lamps	25 Pieces each of 6 Values	Fluctuating	96.95	92.95	88.95
370-KBTSTD48VL	Standard T-1 (3mm) and T-1-3/4 (5mm) LED Lamps	10 Pieces each of 48 Values	555nm - 700nm	64.95	61.95	57.95
370-KBTSTDT1T134	Standard T-1 (3mm) and T-1-3/4 (5mm) LED Lamps	10 Pieces each of 36 Values	555nm - 700nm	37.95	35.95	33.95
370-KBTT1341571	Standard T-1-3/4 (5mm) LED Lamps	10 Pieces each of 18 Values	Varies	18.95	17.95	16.95
370-KBTT1WP1704	Standard T-1 (3mm) LED Lamps	10 Pieces Each of 18 Values	555nm - 700nm	19.95	18.95	17.95
370-KBTXBRITE	X-Brite T-1 (3mm) and T-1-3/4 (5mm) LED Lamps	10 Pieces each of 12 Values	Varies	189.95	184.95	179.95

KYCON CONNECTOR KITS

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	Description	Quantity	Styles Included	Price Each		
				1	3	5
370-KYCDCCON	DC Power Connectors in various styles	3 Pieces each of 11 Items in 4 Styles	Standard, Mini, and Snap & Lock	29.95	28.95	27.95
370-KYCSTJACK	Stereo Jacks in various styles	27 Pieces of 10 Items	PCB Mount, Surface Mount, and Stacked	35.95	34.95	33.95
370-KYCMODJACK	Modular Jacks in various sizes	2 Pieces each of 12 items	Right Angle, Low Profile, and with LEDs	35.95	34.95	33.95

Need Customized Kits? Just give us a call and we'll deliver.

Product Index

A

- **AC Adapters** ... 955, 1801, 1818-1830
- **Adapters**
  - BGA ... 1963
  - Bluetooth ... 17, 20, 1058
  - D-Sub ... 1060, 1067, 1105, 1113
  - I/O ... 20, 945, 1060, 1067
  - Modular ... 1043, 1053, 1910
  - Phono (RCA) ... 941, 943, 975, 987, 1020
  - RF ... 17, 934, 940, 943, 1000, 1002, 1004-1006, 1008, 1011, 1013-1014, 1017, 1019-1020, 1022-1023, 1028-1029, 1032
  - SMT ... 17, 1299, 1958, 1963
  - Socket ... 183, 1298-1299
  - XLR ... 987-988, 993
- **Alarms**
  - High Output ... 1613
  - Piezo ... 1601, 1607-1608, 1613
- **Alligator Clips** ... 1903-1905
- **Alternistors** ... (See Semiconductors)
- **Amplifiers** ... (See Semiconductors)
- **Analog ICs** ... (See Semiconductors)
- **Antennas** ... 5-6, 8, 19, 21, 25, 867, 1076, 1666, 1840
- **Arrays**
  - Capacitor ... 523, 639-640
  - Resistor ... 519, 522, 524-525
- **Attenuators** ... 1032, 1502
- **Audible Signal Devices**
  - Alarms ... 1601, 1606-1608
  - Benders ... 1609
  - Buzzers ... 1601, 1603-1604, 1606-1608, 1613
  - Earphones ... 1602
  - Electret Condenser Microphone ... 1602, 1611
  - Elements
    - Microphone ... 1602, 1613
    - Piezo ... 1609, 1613
  - Hardware
    - Compression Washers ... 1607
    - Volume Control ... 1607
  - Indicators
    - Electromagnetic ... 1608
    - Electromechanical ... 1610, 1613
    - Piezo ... 1608, 1610, 1613
  - Piezo ... 1601, 1607-1610, 1612-1613
  - Ringers ... 1603-1604, 1607
  - Sirens ... 1608
  - Sonalerts ... 1606-1608
  - Speakers ... 299-300, 326, 1603, 1605, 1607, 1612-1613
  - Transducers ... 1604, 1607, 1609, 1613
- **Automotive**
  - 12VDC Jacks and Plugs ... 942
  - Connectors ... 942, 1239, 1292, 1304, 1318
  - LED ... (See Illumination)
  - Relays ... 1528-1529, 1578

B

- **Basic Stamp** ... 46-47
- **Batteries**
  - 1/2AA ... 1854-1855
  - 1/3AA ... 1850
  - 2/3A ... 1850, 1856
  - 2/3AA ... 1850, 1854-1855
  - 4/5A ... 1850
  - AAAA ... 1849
  - A ... 1850, 1856
  - AA ... 1848-1851, 1855, 1858
  - AAA ... 1848-1851, 1858
  - C ... 1848-1851, 1855-1856
  - D ... 1848-1851, 1855
  - F ... 1850
  - N ... 1848-1850
  - SC ... 1850-1851
  - 9V ... 1848-1850, 1854, 1859
  - Alkaline ... 1848-1849, 1858
  - Battery Packs ... 1850-1851, 1854-1855
  - Button Cell ... 1854, 1858
  - Calculator ... 1858
  - Camera ... 1858
  - Carbon Zinc ... 1848-1849, 1858
  - Chargers
    - Lead Acid ... 1852
    - Lithium Polymer ... 1859
    - Nickel-Metal Hydride ... 1850
  - Coin Cell ... 1854, 1856-1858
  - Computer ... 1858
  - Electronic ... 1858, 1879
  - Hearing Aid ... 1858
  - Lantern ... 1848-1849
  - Lead Acid ... 1848, 1852-1853
  - Lithium ... 1848, 1854-1859
  - Manganese Dioxide ... 1858
  - Memory Backup ... 1854-1855
  - Nickel-Cadmium ... 1848, 1850-1851
  - Nickel-Metal Hydride ... 1848, 1850, 1854
  - Photo ... 1858
  - Pure Lead ... 1853
  - Rechargeable ... 1848, 1850-1854, 1856, 1859
  - Scooter ... 1848, 1852-1853
  - Silver-Oxide ... 1858
  - Snaphat ... 284
  - UPS ... 1839, 1848, 1852-1853
  - Watch ... 1858
  - Wheelchair ... 1848, 1852-1853
  - Zinc Chloride ... 1848-1849
- **Battery Accessories**
  - Analyzer ... 1853, 1876
  - Chargers ... 338, 364, 1850, 1852, 1859
  - Clips ... 1864, 1866, 1903-1904
  - Holders ... 1697, 1708, 1857, 1861-1863, 1866
  - Indicator Labels ... 1866
  - Snaps ... 1312, 1864-1865
  - Spring Contacts ... 1860-1861, 1863-1864, 1866, 1902
- **Binding Post** ... 987, 995-997, 1032, 1907
- **Block Filters** ... 1838
- **Blowers** ... 1672, 1676, 1717, 1722, 1727-1728, 1730
- **Bluetooth** ... 17, 20, 22, 47, 306-307, 1058
- **Boxes** ... (See Enclosures)
- **Braid** ... 1939, 1943
- **Breadboards** ... 190, 1955-1964
- **Buzzers** ... 1601, 1603-1604, 1606-1608, 1613

C

- **Cabinet Hardware**
  - Leveler ... 1672
  - Shelves ... 1673-1675
  - Slide Bracket ... 1674, 1677
  - Thermostat ... 1672, 1676
- **Cabinets**
  - Accessories ... 1669-1670, 1672-1677, 1679, 1692
  - Portable ... 1679-1680, 1692
  - Racks ... 1669-1670, 1675, 1677
  - Utility ... 1679
- **Cable** ... (See Wire and Cable)
- **Cable Assemblies**
  - AC Power ... 949-951, 1827-1828
  - Audio ... 937, 941, 986-987
  - Auto ... 942
  - BNC ... 937, 942, 987
  - Cat 5e ... 936, 1053-1054, 1056-1057, 1059
  - Cat 6 ... 936, 1049, 1057
  - Computer ... 932, 935, 943
  - DC Power ... 942
  - D-Sub ... 935, 943, 1067, 1077-1078, 1082
  - DIN ... 943
  - DMS-59™ ... 945
  - DVI ... 933, 945, 947, 1067
  - Flat Ribbon ... 900, 932, 943, 1293-1294
  - GPIB ... 935
  - HDMI ... 933, 936, 945, 947, 1067
  - High Speed ... 1063, 1068, 1077-1078
  - IDC ... 900, 1221
  - IEEE 1394 ... 944, 947, 1042, 1057
  - M1 ... 945
  - M12 ... 1057, 1151
  - Mini-D Ribbon ... 1077-1078
  - Mini-USB ... 944, 1042, 1045
  - Modular ... 900, 1044, 1049, 1053, 1056-1057
  - Molded ... 932, 935-936, 943, 987
  - Patch Cords ... 941, 987, 1056-1057, 1059, 1900
  - PCI Express ... 1068
  - Phone ... 941, 987
  - Phono (RCA) ... 941, 943
  - Power Cords ... 943, 949-951, 1731, 1733, 1828
  - RF ... 934, 937-940, 942-943, 1017, 1025
  - S-VHS ... 942
  - SCSI ... 935, 946, 1068, 1070
  - Serial ATA (SATA) ... 1068, 1070
  - Serial Attached SCSI (SAS) ... 946, 1068, 1070
  - Shrunk D Ribbon (SDR) ... 1077
  - USB ... 933, 936, 944, 947, 1042, 1044-1045, 1056-1057
  - Video ... 937, 942, 1078
  - VHDCI ... 946
- **Cable Ties** ... 873-875, 878-880
- **Capacitors**
  - Aluminum Electrolytic
    - 5mm ... 636
    - 7mm ... 628, 637
    - Axial ... 629, 631-632, 634-635, 638
    - Bi-Polar ... 606, 628, 635
    - Computer Grade ... 617, 619
    - Double Layer ... 621-623
    - Flatpack ... 616
    - General Purpose 85°C ... 604, 606-607, 612, 614, 616-620, 624, 628-633, 636-638
    - High Capacitance ... 607, 609, 613-619, 621-622, 628-629, 633
    - High Frequency ... 622, 635
    - High Reliability ... 626-627
    - High Ripple ... 605, 609, 615-616, 619-620, 626, 635
    - High Temperature ... 604-605, 607-612, 615, 618, 622, 625-627, 630-631, 634, 637
    - High Voltage ... 608-609, 614-620, 624-625, 629, 631-634, 638
    - Kit ... 609, 638
    - Lead Free ... 605, 607-608, 610-612, 624-628
    - Low ESR ... 604, 609-610, 612-613, 616, 635
    - Low Impedance ... 605, 622, 626-627
    - Low Leakage ... 619, 631, 636
    - Memory Backup ... 621-623
    - Miniature ... 613, 628, 630-632, 636-638
    - Mounting Hardware ... 617
    - Non-Polar ... 635, 637
    - Organic ... 610, 613
    - Polymer ... 609-613
    - Radial ... 612-613, 621-622, 624-628, 630, 633-638
    - Screw Terminal ... 616-617, 619
    - Snap Mount ... 614-615, 618, 620
    - Supercapacitors ... 621-623
    - Surface Mount ... 604-613, 621, 623
  - Ceramic
    - Arrays ... 639-640
    - Axial ... 692, 694, 719, 760
    - Chip ... 640-643, 645-651, 654-678, 680-689
    - Conformal Coated ... 691-692, 694-697
    - Coupling ... 699, 703
    - Disc ... 690, 699-701, 703-706
    - EMI Suppression ... 639-640
    - Flexicap ... 652, 664, 679
    - Flexiterm ... 643, 652-653, 664
    - General Purpose ... 657-663, 670-675, 680-683
    - High Capacitance ... 639-640, 648, 655, 667-671, 673-677, 679-681, 691, 693-706
    - High Q ... 644, 673-675
    - High Temperature ... 640, 644-646, 648-651, 655-663, 670-677, 679, 685, 689, 691, 693-699, 702
    - High Voltage ... 643, 645-647, 651, 656, 676-677, 679, 684-685, 693-695, 697, 699-701, 703-706
    - Interdigitated ... 640
    - Kits ... 648, 651, 655-656, 664
    - Lead Free ... 757
    - Low ESL / Low ESR ... 640, 646, 665-666, 673-675
    - Molded ... 693-694, 699
    - Multilayer ... 639-663, 667-684, 687-689, 691-693, 696-697, 699, 702, 760
    - Multi-Turn Trimmer ... 757-760
    - Open-Mode ... 653, 664, 679, 685
    - Radial ... 690-706, 719, 760
    - RF Microwave ... 644-645
    - Surface Mount ... 639-651, 653-689
    - Tin/Lead Termination ... 647, 654
    - Tip and Ring ... 642, 656
  - Feedthru (Arrays & Capacitors) ... 639-640
  - Film
    - Axial ... 711, 719-721, 726-727
    - Chip ... 707
    - DC Link ... 714-715
    - Dipped ... 725
    - Film/Foil ... 721, 723-724
    - Kits ... 709, 727
    - Metallized
      - Box ... 717, 720, 726
      - Paper ... 718
      - Polycarbonate ... 721
      - Polyester ... 707-713, 717-723, 726
      - Polyphenylene ... 718
      - Polypropylene ... 708, 711-712, 717-724, 727
    - Multilayer ... 709
    - Non-Inductive ... 726
    - Orange Drop ... 722
    - Polyester ... 707-713, 717-723, 725-726
    - Polypropylene ... 708, 711-712, 714-724, 727
    - Polystyrene ... 727
    - Radial ... 707-710, 712-714, 717-720, 722-727
    - Snubbers ... 712, 716, 724
    - Suppression ... 712-713, 717-719
    - Surface Mount ... 707
    - Switching ... 714-715
  - Mica ... 728-729
  - Mounting Hardware ... 617
  - Silicon Chip ... 730
  - Supercapacitors ... 621-623, 731
  - Tantalum
    - Axial ... 752, 754-756
    - Dipped ... 749-751, 753
    - Fail-Safe Fused ... 743
    - Hermetically Sealed ... 752, 754
    - High Temperature ... 732-733, 736-737, 739, 743, 755
    - Lead Free ... 731, 734, 736-737, 747
    - Low ESR ... 731-733, 735-738, 741-747, 752, 755
    - Low Profile ... 738, 744-745
    - Niobium Oxide ... 731
    - Polymer ... 734, 736-737
    - Radial ... 749-751, 753
    - Supercapacitors ... 731
    - Surface Mount ... 731-748
    - Wet ... 755-756
  - Trimmer ... 757-760
- **Card Readers** ... 1163-1164, 1170, 1174, 1260
- **Cases** ... 794, 812, 1679, 1683-1685, 1687, 1691-1693, 1701, 1708, 1712, 1875-1876, 1880-1881, 1884
- **CCFLs** ... 110
- **Chassis** ... 1671, 1676, 1679, 1684, 1691
- **Chemicals**
  - Adhesives ... 891, 1940, 1942-1943, 1953
  - Anti-Static Coating ... 1942, 1951
  - Bottles ... 1935, 1951, 1954
  - Circuit Board Repair Pens ... 1940, 1943
  - Cleaners ... 1935, 1939-1940, 1942-1943, 1947-1948, 1953-1954
  - Conformal Coating ... 1942, 1954
  - Dispensers ... 873, 1935, 1940, 1949, 1951, 1954
  - Dusting Gas ... 1940
  - Flux ... 1937-1940, 1953
  - Freezers ... 1940
  - Heat Sink Compound ... 1740, 1942, 1954
  - Leadcheck Tester ... 1940
  - Lubricant ... 873, 1933, 1940, 1943, 1954-1955
  - Pumps ... 1951, 1954
  - Threadlocker ... 1955
  - Transistor Grease ... 1942
- **Chip Coolers** ... 1717
- **Chokes/Coils** ... (See Inductors)
- **Circuit Board Indicators** ... (See Illumination)
- **Circuit Breakers**
  - Hydraulic/Magnetic ... 1595-1596, 1599
  - Push-to-Reset ... 1598-1600
  - Seals ... 1494
  - Thermal ... 967, 1596-1600
  - Thermo Magnetic ... 1592-1593, 1597, 1594
- **Circuit Protection**
  - Circuit Breakers ... 1595-1600

Product Index

  DIN Rail 486, 1357, 1595, 1597, 1600, 1810, 1841, 1843
  Filters 461, 1810, 1841
  Fuse Blocks 506-509, 517-518, 1357
  Fuse Clips 506-509, 518
  Fuse Holders 506-509, 517-518, 1357
  Fuses 491-493, 495-505, 510-516, 1357
  Gas Discharge Tubes 486-489, 494
  Metal Oxide Varistors 479, 481-485
  ESD Devices 461, 469, 500
  Resettable Fuses 491, 495-499, 516
  Surface Mount 465, 480, 488, 490, 492-493, 495-496, 498-503, 515-516
  Surge Protectors 486-489, 499, 1839
  Thermal Cutoffs 494
  Thermistors 490-494
  Thyristors 461, 499
  Varistors 479-485, 493
  Voltage Suppressors 464-472, 486-489
Cleaners 1939-1940, 1942-1943, 1947-1948, 1952-1954
Clips
  Alligator 1903-1905
  Battery 1864, 1866, 1903-1904
  Fahnestock 1314
  Heat Sink 1737
  Test 1900, 1903-1910
Coils ......(See Inductors)
Compiler Software 176
Computers, Single Board 54-59
Connectors
  0.30mm 1256, 1295
  0.40mm 1256
  0.50mm 1060, 1256-1257, 1274, 1293, 1295
  0.60mm 1257
  0.80mm 1069, 1077, 1258
  1.00mm 900, 1177, 1243, 1258, 1274-1276, 1294
  1.25mm / .050" 900, 1078-1080, 1082, 1204, 1208, 1220-1221, 1253, 1258-1259, 1261, 1277
  1.27mm 1070, 1105, 1253, 1259, 1281
  1.50mm / .059" 1274, 1278
  2.00mm / .079"
    Datamate 1250-1252
    Futurebus 1160, 1181
    MicroClasp™ 1282
    Milli-Grid 1284-1285
    Minitek™ II 1246
    Z-Pack 1169
  2.54mm / .100"
    AMPMODU™ 1210-1212, 1214, 1216-1220
    KK® Series 1270-1271
    MT Series 1219
    MTA Series 1222-1224
    MTE Series 1216-1218
    SL™ Series 1267-1268
  3.00mm 1232, 1286-1287
  3.96mm / .156"
    KK® Series 1272-1273
    MTA Series 1224-1226
  4.20mm / .165"
    Mini-Fit 1290
    PE Series 1237
  5.08mm / .200" 1291
  5.84mm / .230" 1292
  7.50mm / Sabre™ 1291
  AC 948-969, 1186, 1806
  Adapters
    Bluetooth 1058
    D-Sub 1060, 1067, 1105, 1113
    I/O 945, 1060, 1067
    Modular 1043, 1053, 1910
    Phono (RCA) 941, 943, 975, 987, 1020
    RF 934, 1000, 1002, 1004-1006, 1008, 1011, 1013-1014, 1017, 1019-1020, 1022-1023, 1028-1029, 1032
    SMT 1299
    Socket 1298-1299
    XLR 987-988, 993
  AdvancedMC™ 1075
  AdvancedTCA® (ATCA®) 1074-1075, 1166
  Alligator Clips 1903-1905
  AMP-Latch 1212-1213
  AMPMODU™ 1210-1212, 1214-1220
  Audio 941, 974-998, 1032, 1969
  Automotive 1239, 1292
  Backplane 962, 1160-1184
  Ball Grid Array 1248
  Banana Plugs and Jacks 995-997, 1907
  Barrier Blocks 1314, 1325-1326, 1329, 1333
  Bergcon® 1241, 1247
  Binding Posts 987, 995-997, 1032, 1907
  Bluetooth 1058
  Card Edge 1160-1181, 1183-1184
  Cat 5 ......1033-1040, 1044, 1049-1051, 1053-1057, 1059
  Cat 6 ......1038, 1049, 1055, 1057
  CHAMP® 1090
  Circular
    38999 Type 1130
    97 Series 1120-1124
    Accessories 1114-1119, 1123-1124, 1134, 1136-1141, 1153, 1156-1157
    Amphe®-GTR 1132
    Amphe-Lite® 1130
    Amphe-PD™ 1132
    Amphe-Power
      5015 1131
      GT 1131
      Surlok™ 1132
    DIN 983-984, 989, 991, 1135-1136, 1145-1146
    Field Installable 1142-1143
    JBX 1157
    M8 1151-1152
    M12 ......1054, 1151-1152
    Metal Shell ...1119-1123, 1125-1129, 1135, 1147-1150, 1157
    Micro and Mini 1118, 1141
    Mini-DIN 1145-1146
    MIL-C-5015 Style 1120-1122, 1125
    MIL-C-26482 Style 1126-1129
    Plastic 984, 1053, 1114-1115, 1117-1119, 1132, 1134, 1136-1143, 1150, 1153-1154, 1158
    Push/Pull 1133, 1147-1150, 1157
    RADSOK® 1131-1132
    Trim Trio™ 1153-1156
    SPEEDCON 1152
    Weathertight 1053, 1117-1119, 1128-1129, 1134-1136, 1138-1141, 1144, 1154, 1158
  Clincher™ 1244
  Coaxial (See RF)
  Conan™ 1243
  Covers 976, 1056, 1069, 1082, 1092, 1101, 1105, 1118, 1173, 1219, 1224, 1230, 1299, 1353, 1356, 1359
  D Ribbon 1077-1080
  D-Subminiature
    Adapters 1060, 1067, 1105, 1113
    Backshells/Hoods/Housings ..1080-1082, 1087, 1089, 1092, 1094-1096, 1098, 1101, 1104-1105, 1110-1111
    Combination 1095
    Contacts ..1081, 1083, 1086-1088, 1091, 1093, 1095, 1097-1100, 1102, 1104-1105, 1107-1109, 1112-1113, 1194, 1351, 1913
    Crimp Type 1083, 1085-1088, 1104
    Dust Caps/Covers 1092, 1094, 1101, 1105
    Environmentally Sealed 1048
    Filtered 1095, 1103-1104, 1106, 1112-1113
    Hardware 1088, 1092, 1096, 1101, 1109, 1111, 1113
    High Density 1060, 1087, 1092, 1095, 1100, 1102, 1104, 1106-1108, 1351
    IDC 1079-1080, 1085, 1104-1105, 1914
    Kits 1078, 1080, 1082, 1088-1089, 1105
    Machined Contact 1081, 1091, 1093, 1098, 1100, 1104, 1109, 1113
    Metal 1080-1081, 1084-1085, 1087, 1089, 1091-1093, 1096, 1098, 1100-1101, 1104-1106, 1109, 1113, 1923
    Micro-D 1105
    Mini-D 1078-1080
    Mixed Contact 1097-1100
    PC Type 1083-1084, 1087-1088, 1091-1093, 1104, 1106, 1109, 1113
    Shrunk D Ribbon (SDR) 1077
    Solder Type 1080, 1082, 1085, 1091-1093, 1097, 1103-1104, 1106, 1108-1109, 1113
    Stacked 1087
    Subcon 1112
    Variosub 1112
    Vesa 1060, 1106
    Waterproof 1095-1096, 1100-1101
  DC Power 942, 962, 970-973, 982, 1789, 1806, 1969
  DIN
    41612 ......1074, 1161, 1167, 1171, 1177-1180
    Accessories 1136, 1161, 1180, 1806
    Circular 983-984, 989, 991, 1135-1136, 1145-1146
    Mini-DIN 1145-1146
  DIN Rail 1332, 1351-1355, 1357-1360, 1711, 1806
  Disk Drive 1291
  DVI 933, 945, 1060, 1067
  Ethernet 1038, 1047, 1049-1057, 1059, 1789
  Faston 1309-1310
  Ferrules 1322-1323
  FFC/FPC (Flexible Printed Circuit) 1209, 1256, 1293-1295
  Fiber Optic 931, 1072-1073, 1913
  Filtered 962, 1035, 1038, 1076, 1095, 1103-1104, 1106, 1112-1113, 1146
  Filters 957-959, 961-964, 966-969, 1035, 1038, 1076, 1095, 1103-1104, 1106, 1112-1113, 1146
  FireWire (IEEE 1394) 944, 1040, 1042-1044, 1046, 1049-1052, 1057, 1059
  Flat Flex Cable 1293-1294
  Flat Ribbon Cable 900, 1110, 1201-1203, 1207-1208, 1240, 1242-1244, 1351
  Futurebus 1160, 1169, 1181, 1183
  Gender Changers 1096, 1105, 1111
  GIG-Array 1248
  Han® 1054, 1190-1196
  Han® Max/Industrial Ethernet 1054
  HandyLink™ 1065
  Hard Metric 1160, 1166, 1169, 1171, 1181, 1183
  HDMI 933, 945, 1040, 1046, 1060, 1067, 1071
  Headers
    1.00mm 1205, 1243, 1276
    1.25mm / .050" ...1082, 1204, 1220-1221, 1253, 1261, 1277
    1.50mm / .059" 1278
    2.00mm / .079" 1160, 1175, 1183, 1205-1207, 1246, 1254-1255, 1261, 1279, 1282-1285
    2.50mm / .098" 1280, 1345
    2.54mm / .100"
      929 Series 1199
      2300 Series 1199
      AMPMODU™ 1210-1212, 1214, 1216-1220
      BergStik™ 1249
      C-Grid® 1269
      IDC Shrouded 1202, 1216, 1242
      KK® Series 1271
      Latch/Ejector 1201, 1204, 1213, 1242, 1267
      MTA Series 1223-1224
      MTE Series 1216-1218
      Quickie™ 1242
      Single Row 1199, 1210-1212, 1214, 1216, 1249, 1261-1264, 1267-1269
      SL™ 1267-1268
    3.00mm 1286-1287
    3.96mm / .156"
      KK® Series 1273
      MTA Series 1224-1226
    4.20mm / .165"
      Mini-Fit 1288-1290
      PE Series 1237
    5.84mm / .230" 1292
    7.50mm 1291, 1349
    AMPMODU™ 1210-1212, 1214-1220
    BergStik™ 1249
    Box 1202
    Breakaway 1199, 1211, 1240, 1249, 1269, 1271, 1273
    C-Grid® 1269
    Compact PCI 1160
    Component 1240, 1299
    High-Temp 1216, 1218, 1261, 1291, 1340, 1342-1344
    IDC 1175, 1177, 1202, 1204-1205, 1207, 1210-1212, 1216-1217, 1219-1221, 1223-1226, 1230, 1240, 1242-1243, 1266
    KK® Series 1271-1273
    Latch/Ejector 1201, 1204, 1213, 1242-1243, 1267
    Low Profile 1202, 1210, 1212, 1219, 1242, 1245, 1268
    Metrimate 1233
    Micro-Fit 3.0™ 1286-1287
    Milli-Grid™ 1284-1285
    Mini-Fit 1288-1290
    MTA Series 1221-1226
    MTE Series 1216-1218
    PC Card 1174
    PE Series 1237
    Pin Strip ...1199, 1205, 1211, 1217, 1249, 1269, 1271, 1273
    Sabre 1291
    SL™ Series 1267-1268
  IDC
    AMP-Latch 1212
    CHAMP® 1090
    Clincher™ 1244
    D-Sub 1079-1080, 1085, 1104-1105, 1914
    Dust Covers / Strain Relief
      Mate-N-Lok 1230
      MT Series 1219
      MTA Series 1224
      Rectangular 1203-1205, 1212, 1240
    EBBI™ 1281
    Hermaphroditic 1186, 1219
    KK® Series 1270, 1272
    Mate-N-Lok 1230
    MLX Series (.084") 1266
    MT Series 1219
    MTA Series 1221-1226
    MTE Series 1216-1217
    Plugs 1202, 1207, 1240, 1243-1244, 1266, 1318
    Quickie™ 1242-1243
    Scotchlok 1307
    Socket 1080, 1203-1205, 1207, 1230, 1238, 1266
  IEEE 1394 ......944, 1040, 1042, 1044, 1046, 1051, 1057
  I/O
    9157 Series 1238
    9257 Series 1238
    CHAMP® 1090
    DVI 933, 945, 1060, 1067
    HDMI 933, 945, 1046, 1060, 1067, 1071
    High Speed 1063, 1068, 1166
    Mini-USB 1042
    PC/104 1168
    PC/104-Plus 1168
    SCSI 1068, 1070-1071, 1075
    Serial ATA (SATA) 1062, 1068, 1070-1071
    Serial Attached SCSI (SAS) 1068, 1070
    USB 933, 1041-1042, 1044, 1046, 1056-1057, 1071
    Z-Pack 1169
  Industrial
    Ethernet 1047, 1053-1057
    FireWire (IEEE 1394) 1057
    USB 1048, 1056-1057
  Infiniband 1060-1061
  Inlets 952-957, 959-968
  Interface Modules 25, 1328, 1332
  Intra-Connector 1240
  Jacks
    Banana 995-997, 1907
    DC Power 942, 971-973, 982, 1969
    DIN 983-984, 989, 991, 1146
    Modular 1021, 1033-1040, 1043-1044, 1048-1051, 1053, 1056-1057, 1969
    Phone 974-978, 982, 987
    Phono (RCA) 975-976, 980, 982-983, 987
    Telephone 1033-1036, 1039-1040
    Test 998, 1907
    Tip 998
    XLR 984, 987-990, 992-993
  Jones Plugs and Sockets 1189, 1198
  Jumpers 948, 950, 1200, 1240, 1246-1247, 1255, 1269, 1293-1294, 1298, 1329, 1333, 1903
  Keying Plugs 1116, 1214, 1219, 1224, 1227, 1234
  Kits
    Binding Post 1032
    D-Sub 1078, 1080, 1082, 1088-1089, 1105
    Hardware 1088, 1281
    KK® Series 1270, 1272
    Modular 1033-1034, 1318, 1910-1911, 1969
    Pin and Socket 1156, 1265
    RF Adapters 1002, 1020, 1028, 1032
    Terminal 1270, 1272, 1281, 1307, 1318, 1322-1323
  M8 ......1151-1152, 1647
  M12 ......1054, 1057, 1151-1152, 1647

Product Index

Mate-N-Lok
- Commercial 1229-1230
- Micro 1232
- Mini 1227-1228
- Universal 1230-1232

MEG-Array® 1248
Memory
- Compactflash® 1160, 1162, 1164, 1184, 1260
- Hybrid 1170
- Memory Stick 1163-1164
- microSD™ 1160, 1162, 1260
- miniSD™ 1162-1163, 1260
- MMC 1163-1164
- Monoblock 1170
- PC Card 1174, 1260
- SD™ 1160, 1163-1164
- SIM Card 1170, 1260
- SIMBLOCK® 1170
- SIMLOCK® 1170
- Smart Card 1163-1164, 1170, 1174, 1260
- Superflat 1170

Metrimate 1233
Mezzanine 1063, 1166, 1243, 1275
MicroTCA™ (µTCA™) 1075, 1097, 1166, 1176
Mini-D Ribbon 1077-1080
Mini-DIN 1145-1146
Mini-Fit
- BMI™ 1290
- CPI™ 1289
- Jr.™ 1288-1289
- Sr.™ 1290

Mini SAS 1062, 1070
MLX Series (.084") 1266
Modular
- Cable Assemblies 900, 1044, 1049, 1053, 1056-1057
- Couplers 1034
- Crimping Tool 1034-1036, 1911, 1914
- EtherCon® 1043
- Jacks 1021, 1033-1040, 1043-1044, 1048-1051, 1053, 1056-1057, 1969
- OpticalCon® 1043
- Plugs 1034, 1036, 1049-1051, 1053, 1056-1057, 1318, 1910-1911, 1913
- RJ45 1034, 1038, 1040, 1043-1044, 1049, 1057

Mounting Channels 1324, 1328, 1360
MTE Series 1216-1218
NEMA Terminal Blocks 1324
Novo 1212
Outlets 952-957, 959-962, 964-968, 1101
Patch Cord Assemblies (See Cable Assemblies)
PC Board
- AMPMODU™ 1210-1212, 1214-1219
- DUBOX 1245
- FFC / FPC 1256, 1293-1295
- KK® Series 1270-1273
- Mate-N-Lok 1230-1232, 1286, 1288-1290, 1911
- Micro-Fit 3.0™ 1286-1287
- MR 1234
- MTA Series 1221-1222, 1224-1226, 1911
- SL™ Series 1267-1268

PC Pins / Receptacles 989, 1218, 1257, 1305
PCI Express 1165, 1184, 1260
PE Series 1237
Phone Jacks / Plugs 974-979, 981-982, 987, 991
Pin and Socket
- .062" 1235, 1265
- .084" 1266
- .093" 1235, 1265
- Contacts 1227, 1229-1235, 1237, 1265-1266, 1286, 1288, 1290
- Mate-N-Lok
  - Commercial 1229-1230
  - Micro 1232
  - Mini 1227
  - Universal 1230-1232
- Metrimate 1233
- Micro-Fit 1286-1287
- Mini-Fit 1288-1290
- Miniature Rectangular (MR) 1234
- PC/104 1168
- PC/104-Plus 1168

Plugs
- AC 952-953, 956
- Banana 995-997, 1907
- DC Power 942, 970, 982
- DIN 983-984, 989, 991, 1145-1146, 1161, 1351, 1353
- Iris 978
- Jones 1189, 1198
- Modular 1034, 1036, 1049-1051, 1053, 1056-1057, 1910
- Phone 975, 978-979, 981-982, 987, 991
- Phono (RCA) 975, 980, 982-983, 987, 991, 1020
- Tip 998, 1903
- Waterproof 1053, 1056, 1119, 1128-1129, 1153-1154, 1292
- XLR 984, 987-990, 992-993

Pneumatic Modules 1194
Power
- AC 952-969, 1186, 1789, 1806
- Amphe-PD™ 1132
- Disk Drive 1291
- Economy Power 1187
- Entry Modules 953-954, 957-967
- Han 1190-1196
- Heavy Duty 1188, 1190-1196
- IEC 952-956, 958-959, 961, 968, 1833
- Jones 1189, 1198
- Mini-Fit 1288-1290
- PE Series 1237
- Power Edge™ 1024, 1166, 1176, 1179-1180, 1197
- Power Lock 973, 1186
- Power Series 957-958, 960-961, 963-967, 969, 1115, 1117, 1155, 1185-1186, 1188-1189, 1198, 1237, 1789, 1806, 1833
- RADSOK® 1131-1132
- Sabre 1291

Quickie™ 1242-1243
Rack and Panel 1173
Rectangular Power 1185-1198
RF
- Adapters 934, 1000, 1002, 1004-1006, 1008, 1011, 1013-1014, 1017, 1019-1020, 1022-1023, 1028-1029, 1032
- AMC 1017
- BNC 919, 942, 999-1001, 1006-1007, 1010-1013, 1015, 1018-1022, 1029-1032
- F Series 1006, 1023, 1029
- High Frequency Edge Mount 1024
- MATV/CATV 1020, 1023, 1029
- MCX/MMCX 1005, 1015, 1020, 1027-1028, 1030
- MHV 1015
- Mini BNC 919, 1001, 1010, 1015
- N Series 1003-1006, 1009, 1013, 1019, 1022, 1026
- Push-EZ 1020
- QMA 1017
- Quick-Connect 1024
- RCA 919, 1020
- Reverse Polarity 1005, 1007, 1014
- SHV 1003
- SMA 1002, 1004-1008, 1016, 1019-1021, 1024-1026, 1030, 1032
- SMB 1002, 1005, 1010, 1018, 1027, 1030
- SMK 1028
- SMP 1017
- Stainless Steel 1016, 1026
- Terminators 1000, 1032
- TNC 1003, 1005, 1007, 1009, 1014, 1019, 1022, 1029, 1031
- Twin-Axial 1018
- UHF 1014, 1018-1019, 1023, 1029
- UMCC 934
- Weather Proof 1013, 1015, 1018

RJ45 (See Modular)
Scotchlok 1307
SCSI 946, 1068, 1070-1071, 1075
Serial ATA (SATA) 946, 1062, 1068-1071
Serial Attached SCSI (SAS) 946, 1068, 1070
SFP (Small Form Factor Pluggable) 1061, 1064, 1066
Sherlock™ 1283
Shrunk D Ribbon (SDR) 1077
Shunts 1200, 1210, 1240, 1246-1247, 1298
SlimStack™ 1274
Smart Card 1163-1164, 1170, 1174, 1260
Sockets
- AC 953
- Boardmount 1203, 1205, 1207-1208
- Burn-In 1296-1299
- Compact PCI 1160
- DDR2 1174, 1260
- DIMM 1184, 1260
- DIP 1240, 1263, 1296-1300, 1303-1304
- Display 1298, 1304
- IC 1261-1263, 1298-1304, 1574
- IDC 1203-1205, 1207, 1238, 1240, 1266
- In-line 1155, 1233, 1261-1263, 1297
- Jones 1189, 1198
- Modules 953, 1063, 1174
- Oscillator 1299
- PC Board 953, 1200, 1230, 1232, 1234, 1286-1287
- PLCC 1299-1302
- SIMM 1300
- SIP 1261-1263, 1300
- SOIC 1297-1298
- SOJ 1298
- SSOP 1298
- Surface Mount 1040-1041, 1160, 1174, 1260, 1299, 1301, 1304
- Test 1296-1297, 1299
- Transistor 1300, 1304, 1306
- Waterproof 1153-1154, 1158
- Wiremount 1077, 1200-1201, 1203-1205, 1207-1208
- ZIF 1299

Solderless 997-998, 1307-1311, 1315-1318, 1320-1321, 1914
Spring 976, 1082, 1264, 1308, 1311, 1339, 1342, 1345, 1354-1355, 1861, 1901-1902, 1920
Strain Reliefs 987, 1077, 1081, 1090, 1154, 1203-1205 1212, 1224, 1231, 1234, 1240, 1288, 1906
Surface Mount 972-973, 977, 1041-1042, 1079, 1100, 1102, 1160, 1174, 1177, 1220-1221, 1245, 1250-1252, 1256-1260, 1264, 1269, 1274-1277, 1285, 1293-1295, 1299, 1301, 1304, 1343, 1381
Terminal Blocks
- Accessories 1324, 1328-1329, 1333, 1339, 1350, 1352-1353, 1356-1360, 1711
- Barrier 1314, 1325-1326, 1329-1330, 1333
- CLIPLINE 1353-1356
- Compression 1314
- DIN Rail 1332, 1351-1355, 1357-1360, 1711
- Electronic Housings 1711
- Eurostyle 1327, 1330-1331, 1334-1343, 1345-1350, 1353-1360
- Ferrules 1322-1323
- FlexiPlug® 1325
- Fuse Blocks 1357, 1360
- Interface Modules 1328, 1332
- Mounting Channels 1324, 1328, 1360
- NEMA 1324
- Panel Mount 1337, 1350, 1352
- PC Board 1325-1326, 1328-1331, 1333-1334, 1336-1340, 1342-1350
- Pluggable 1325, 1327-1328, 1331-1332, 1335-1336, 1340-1350, 1353
- Screwless 1328, 1330, 1337, 1339, 1342, 1345-1348

Terminal Strips 1313-1314, 1323, 1326, 1329, 1336, 1360, 1913-1914
Terminals and Splices
- Butt Splices 1307-1310, 1316-1317, 1320-1321
- Closed End Splices 1307, 1311
- Compression 1314, 1321
- Couplers 1315, 1317
- Crimp 1104, 1267, 1270, 1272, 1277-1280, 1284, 1286, 1291, 1307-1308, 1310, 1321, 1913-1914
- Disconnects 1307-1308, 1315, 1317, 1320-1321
- Faston 1309-1310
- Ferrules 1322-1323
- Fork 1308, 1315, 1320-1321
- Heat Shrink 1308
- PC 1104, 1267, 1270, 1272, 1286, 1312-1313, 1325-1326, 1328-1331, 1333-1334, 1336-1340, 1342-1350
- Ring 1308-1311, 1315-1318, 1320-1321
- Snap Plugs 970, 997, 1155, 1235, 1290-1291, 1318, 1327-1328, 1331, 1343, 1345-1349, 1353, 1356
- Solder Lugs 1312-1313
- Spade 1308-1311, 1315-1317
- Test Points 1313-1314
- Wire Connectors 1267, 1307-1308, 1311, 1315, 1318, 1322, 1328, 1340, 1914

Test Points 1313-1314
Tools (See "T" Section)
USB 933, 944, 1040-1046, 1048, 1051-1052, 1056-1058, 1071, 1076, 1194
VHDCI 946, 1061, 1065
Video RCA Broadcast 1020
Weathertight Connectors 1048-1049, 1053, 1056, 1058-1059, 1100-1101, 1117-1119, 1128-1129, 1134-1136, 1138-1141, 1144, 1148, 1153-1154, 1158, 1190-1193, 1195-1196, 1239, 1292
Wire Nuts 1308, 1315, 1318
X2 1064, 1908
Xenpak 1064
XFP 1064
XLR 984, 987-990, 992-993
XPak 1064
Z-Pack 1169

Controllers
- Programmable 275, 1579, 1874
- Temperature 47, 1546, 1579-1580

Converters (See Semiconductors)
Core Modules (See Semiconductors)
Counters 1574, 1581-1582, 1872, 1879-1880, 1893, 1899
Crystals
- Chipset 777
- Leaded 765-767, 769, 775-777, 784-787, 789-790, 793
- Microprocessor 284, 764-765, 767, 787-789, 793
- Saw Filters 766
- Surface Mount 761, 764-769, 772-775, 777-783, 784-786, 788-793
- Tuning Fork Watch 767, 775, 785, 789, 793

D

DC-DC Converters 263, 312, 330, 332, 346, 348, 354, 367, 1758-1786, 1810, 1815
DC Power Contactors 1752
Desolder Braid 1939, 1943, 1955
Development Kits 6-7, 15, 18-19, 22-25, 27-30, 32-35, 38-41, 43-56, 58-60, 79-80, 84, 163-164, 167, 175-177, 183-184, 186-187, 190, 194, 197-205, 230, 268-269, 271, 281, 283, 289, 358, 415, 859, 1415, 1956
Device Servers 7, 20-21, 31, 33, 36, 41-42, 44-45, 53
Digital Potentiometers (See Semiconductors)
Diodes (See Semiconductors)
Display Controllers 60-61, 79, 170, 182, 184, 196, 1579-1580, 1874
Displays
- Alphanumeric 66, 74-75, 78
- Clock 65
- Dot Matrix 65, 74
- LCD
  - Character 64-66, 68-69, 71-72
  - Graphic 60-61, 63, 65-67, 69-71
  - Interface 60, 66, 69, 293
  - Inverters 63
  - Plasma 72
  - Serial Interface 66
  - Touch Panels 62
  - Touch Screen 60, 62, 67
  - Touch Screen Controllers 60, 62, 67, 79, 293
- Light Bars 74
- Modules 60, 63-69, 71-72
- Numeric
  - 1 Digit 73-78
  - 2 Digit 73-75, 78
  - 3 Digit 65, 74, 78
  - 4 Digit 65, 73, 78

E

Earphones 1602
EEPROMS (See Semiconductors)
Embedded Modules 5-7, 15-17, 19, 21-53
EMI / RFI Suppression
- Capacitors 639-640, 703, 717, 809
- Diecut EMI Gaskets 1159
- Ferrite Beads 794-797, 799-800, 805-809, 811-814, 816, 818, 838-839, 867, 1106, 1113
- Filters, Snap-On 794, 796-797, 812, 816
- Gaskets 798, 801-804, 1113, 1159
- Grounding Pads 801
- Kits 795, 839

- Leaded Disc-Type .808
- Low Pass .810
- RFI Suppression Coils .838
- Power .957-959, 961-962, 964, 966-969, 1810, 1831-1838

Enclosures
- Accessories .1202, 1536, 1669-1679, 1683, 1692, 1697, 1699, 1705, 1707, 1709, 1711, 1713-1714, 1908
- Aluminum .1670-1671, 1676, 1679-1688, 1691-1693, 1908
- Cabinets .1669-1670, 1675, 1679-1680, 1692
- Chassis .1671, 1676, 1679, 1684, 1691
- Consoles .1685, 1692, 1709
- Desk Top .1670, 1675-1676, 1679, 1685, 1692, 1701, 1709-1710, 1714
- Die-Cast .1089, 1681-1682, 1686-1688, 1693, 1908
- DIN Rail Mount .1695-1696, 1698, 1711
- Key Fobs .1697, 1700, 1703, 1713
- NEMA .1426, 1680, 1682, 1687, 1689-1690, 1694, 1699-1700, 1702
- Plastic .812, 1671-1672, 1692-1710, 1712-1714
- Potting Boxes .1701, 1704
- Rack Mount .1671, 1675-1677, 1711
- Racks .1669-1678, 1711
- Small Metal .1679, 1681, 1683-1685, 1691, 1908
- Subrack .1678
- Utility .1679, 1684, 1691, 1698, 1710
- Watertight .1687-1688, 1702, 1712

Encoders
- Incremental .1396-1397
- Infrared .161
- Optical .161, 1396-1398
- Rotary .1395-1397

EPROMs .(See Semiconductors)

Epoxies .749, 760, 838-839, 865-866, 1485, 1539, 1943, 1954

Erasers, EPROM .206, 208

F

Fans
- AC .1716, 1718, 1723-1724, 1730
- AC Blowers .1728, 1730
- Accessories .184, 1718, 1726, 1728, 1731-1733
- Chip Coolers .1717
- DC .1715-1722, 1724-1727, 1729
- DC Blowers .1717, 1722, 1727-1728
- Exhaust .1672, 1676
- Flatpaks .1727-1728
- Impellers .1728
- Power Cords .1718, 1726, 1731, 1733
- Tray Assemblies .1672, 1676, 1731
- Tubeaxial .1718, 1723-1728

Ferrites .794-797, 799-800, 805-809, 811-814, 816, 818-819, 827, 838-839, 841, 844, 846-847, 856-857, 867

Ferrules .1322-1323, 1640

Fiber Optic Products
- Amplifiers .1654
- Cable .931, 1073, 1897, 1913
- Cleaners .1943
- Connectors .931, 1072-1073, 1913
- Patch Cords .931
- Swabs .1943
- Testers .1897
- Tool Kit .931
- Wipes .1943

Filters
- Block .1838
- EMC / EMI / RFI .461, 703, 794-800, 805-810, 812-813, 815-816, 859, 957-959, 961-962, 964, 966-969, 1810, 1831-1838
- Fan .1726, 1731, 1733
- Line .703, 961, 963-964, 966-969, 1831-1838, 1841-1842
- SAW .766

Flash Memory .(See Semiconductors)

Flat Flex Cable Assemblies .1293-1294

FPC Connectors .1209, 1256, 1293-1295

FPGAs .(See Semiconductors)

Fuses
- Alarm .516, 1969
- Automotive .514
- Blocks .506-509, 517-518, 1357, 1360, 1969
- Ceramic .512-513
- Fast-Acting .500, 502, 504-505, 510-516, 1969
- Fuse Clips .506-509, 518
- Holders .506-509, 517-518, 952, 1357, 1360, 1969
- Polymer ESD Devices .500
- Resettable .491, 495-499
- Slo-Blo .511-514, 516, 1969
- Subminiature .503-504, 510, 514-515
- Surface Mount .492-493, 496, 498-503, 515-516, 1969
- Time Delay .502, 504-505, 510, 513
- Tools .508, 1915

G

Gas Discharge Tubes .486-489, 494

Gender Changers .1096, 1105, 1111

Generators .(See Test Equipment)

GPS (Global Positioning System) .8, 30, 306, 801

Grommets .137, 1089, 1234, 1619

H

Handles .997-998, 1443, 1640, 1671, 1678, 1950

Hardware
- Bolts .1621
- Boot Seals .1399-1400, 1433, 1435
- Brackets .562, 565, 1640, 1672-1673, 1963
- Bumpers .1619
- Bushings .1628, 1636
- Cable Mounting .134, 874, 876-878, 881, 883, 1968
- Clips .136, 139, 874, 876-878, 1622, 1625-1626, 1629-1630, 1737, 1968
- Cordgrips .1620, 1634, 1637
- Eyelets .1642, 1965
- Fasteners .1625-1627
- Ferrules .1322, 1640
- Grommets .137, 878, 883, 1619
- Handles .1640, 1671, 1678
- Hole Plugs .1625, 1636, 1643
- Insulators .1624, 1737
- Jack Screws .1642
- Kits .878, 1088, 1281, 1322, 1630, 1642, 1674, 1678, 1737, 1968
- Knobs .1614, 1616-1618
- LED .91, 128, 134-137, 139
- Metric .1487, 1620, 1629, 1632-1633, 1965
- Nuts .1620-1623, 1634, 1639, 1968
- Nylon PCB .1629-1631
- PCB Card Guide .1963
- PCB Supports .1629-1631, 1642, 1968
- Resistor Mounting .562, 565
- Screws .617, 874, 1101, 1621-1623, 1636, 1638-1639, 1642, 1672, 1968
- Snap Rivet .1627
- Spacers .135-136, 1619, 1624, 1630, 1633, 1642, 1968
- Speaker Mounting .1622
- Splices .895, 1307, 1310
- Staking Tool .1642-1643, 1968
- Standoffs .137, 1629, 1631, 1641, 1643
- Strain Relief .1620, 1628, 1635-1637
- Terminal Post .1964-1965
- Test Points .1638
- Transistor Mounting .1968
- Washers .976, 1607, 1621-1622, 1624, 1642, 1737, 1968

Headers
- 1.00mm .1177, 1205, 1243, 1253, 1276
- 1.25mm / .050" .1082, 1204, 1220-1221, 1253, 1261, 1277
- 1.50mm / .059" .1278
- 2.00mm / .079" .1160, 1175, 1183, 1205-1207, 1246, 1254-1255, 1261, 1279, 1282-1285
- 2.50mm / .098" .1280, 1345
- 2.54mm / .100"
  - 929 Series .1199
  - 2300 Series .1199
  - AMPMODU™ .1210-1212, 1214, 1216-1220
  - BergStik™ .1249
  - C-Grid® .1269
  - IDC Shrouded .1202, 1216, 1242
  - KK® Series .1271
  - Latch/Ejector .1201, 1204, 1213, 1242, 1267
  - MTA Series .1223-1224
  - MTE Series .1216-1218
  - Quickie™ .1242
  - Single Row .1199, 1210-1212, 1214, 1216, 1249, 1261-1264, 1267-1269
  - SL™ .1267-1268
- 3.00mm .1286-1287
- 3.96mm / .156"
  - KK® Series .1273
  - MTA Series .1224-1226
- 4.20mm / .165"
  - Mini-Fit .1288-1290
  - PE Series .1237
- 5.84mm / .230" .1292
- 7.50mm .1291, 1349
- AMPMODU™ .1210-1212, 1214-1220
- BergStik™ .1249
- Box .1202
- Breakaway .1199, 1211, 1240, 1249, 1269, 1271, 1273
- C-Grid® .1269
- Compact PCI .1160
- Component .1240, 1299
- High-Temp .1216, 1218, 1261, 1291, 1340, 1342-1344
- IDC .1175, 1177, 1202, 1204-1205, 1207, 1210-1212, 1216-1217, 1219-1221, 1223-1226, 1230, 1240, 1242-1243, 1266
- KK® Series .1271-1273
- Latch/Ejector .1201, 1204, 1213, 1242-1243, 1267
- Low Profile .1202, 1210, 1212, 1219, 1242, 1245, 1268
- Metrimate .1233
- Micro-Fit 3.0 .1286-1287
- Milli-Grid™ .1284-1285
- Mini-Fit .1288-1290
- MTA Series .1221-1226
- MTE Series .1216-1218
- PC Card .1174
- PE Series .1237
- Pin Strip .1199, 1205, 1211, 1217, 1249, 1269, 1271, 1273
- Sabre .1291
- SL™ Series .1267-1268

Heat Guns .889, 1932, 1936

Heat Shrink
- Butane Torches .889, 1932, 1936
- Heat Guns .889, 1932
- Tubing .886-891, 893-896
- Shrink Tubing Kits .889, 896
- Solder Splices / Sleeves .895
- Woven Fabric .886

Heat Sink Compound .1740, 1942, 1954

Heat Sinks .84, 1542, 1734-1740, 1942, 1954

Hook and Loop Fasteners .873

I

Identification .873-875, 882, 888, 984

Illumination
- Indicators
  - Circuit Board .91-92, 101-104, 109, 129
  - Incandescent .92, 99
  - LED .91-92, 96, 99-104, 109, 125-126, 129, 138-139, 1548, 1566
  - Neon .92, 96, 139
  - Non-Relampable .92, 96, 99-100, 125-126
  - Panel .91-92, 96, 99-100, 125-126, 138-139, 573, 1873
  - Surface Mount .101, 109
- Lamps
  - Automotive .111
  - CCFLs .110, 831
  - Flash Tubes .139
  - Halogen .111
  - Hardware .91, 128, 134-137, 139
  - Incandescent .92, 94-95, 99, 111, 131
  - Inverters .65, 110
  - Laser Modules .142
  - Lenses .94, 96, 134-136
  - Panel Mount .92, 95-96, 99-100, 125, 130, 138-139
  - Neon .92, 95-96, 139
  - Sockets .96, 111, 134, 137, 139
  - Ultra-Violet .110
- LEDs
  - Automotive .93, 95, 99, 131
  - Backlighting .64, 67-68, 79, 289
  - Bar Graph .74
  - Bi-Polar .91
  - Blinking .115-116, 127, 129, 138, 1969
  - Circuit Board Indicators .91, 101-104, 109, 123, 129
  - Clusters .131
  - Display .73-79, 156, 1806, 1869
  - Drivers .79-81, 281, 288-289, 301, 1817
  - Dual Color .89, 99-104, 108, 115-116, 122-123, 125, 127, 129, 132-133, 1969
  - Fiber Optic .152
  - Flux .107-108, 117, 120, 130, 132, 1969
  - Hardware .84, 91, 96, 128, 134-139, 1566, 1806, 1869
  - Hi-Power .81-85
  - Incandescent Replacements .93, 99, 131
  - Infrared .117, 120-121, 128, 143-144
  - Lenses .96, 134-136
  - Light
    - Arrays .74, 81, 88, 121
    - Bars .74, 121
    - Engine .81-85
    - Pipes .128, 136-137
  - Low Current .90, 101-104, 132-133
  - Matrix .74
  - Mounts .128, 135-137
  - Multi-Color .84, 89, 98-104, 108-109, 116-117, 122-124, 126-127, 129
  - Panel Mount .92, 96, 99-100, 125-126, 130, 138-139, 574
  - Rectangular .116-117, 120, 1969
  - Resistored .90-92, 101-104
  - RGB .84, 98, 117, 124, 126
  - Sockets .134, 137, 139
  - Special Shaped .90, 108, 115-116, 127
  - Super Bright .81-85, 90, 103, 114-116, 124, 138, 1969
  - Surface Mount .83, 86, 89, 97-98, 101, 105-106, 109, 112-113, 118, 122-124, 130-132, 137, 143-144, 152, 1969
  - Ultra Bright .90, 131, 133, 1969

Indicators
- Circuit Board .91-92, 101-104, 109, 129
- Incandescent .92, 99
- LED .91-92, 96, 99-104, 109, 125-126, 129, 138-139, 1548, 1566
- Neon .92, 96, 139
- Non-Relampable .92, 96, 99-100, 125-126
- Panel .91-92, 96, 99-100, 125-126, 138-139, 573, 1608, 1873
- Surface Mount .101, 109

Inductors
- Air Core .845-847
- Axial .813, 821, 825-826, 835, 838, 864-866
- Beads .795-797, 805-808, 813-814, 818, 827, 841, 856, 867
- Bobbin .827, 835
- Chip .795, 805-807, 809, 813-815, 818-819, 822-824, 827, 829-830, 835, 841-845, 847, 849-853, 856-858, 860-863, 867
- Chokes / Coils .813, 825-827, 831-836, 838-839, 844-848, 854, 866
- EMI Suppression .794-797, 799-800, 805-810, 812-818, 838-839, 848, 859, 867
- Ferrite .794-797, 799-800, 805-809, 812-814, 816, 818-819, 827, 838-839, 841, 844, 846-847, 856-857, 867
- High Current .807, 810, 813, 818, 826, 828-829, 838, 850, 861-862, 864-865
- High Q .822, 844-847, 850, 862-863, 865
- Kits .795, 822, 839, 859, 1743, 1968
- Molded .825, 863-866
- Multilayer .810, 818, 822, 841-842, 845-846
- Non-Shielded .823, 827, 839-840
- Power .820-821, 823, 827, 830-834, 836-837, 840, 849-853, 855
- Radial .835, 839, 864, 866
- RFI Suppression Coils .838
- Shielded .795, 799-800, 817, 825, 827, 830, 833-834, 839, 846, 850, 857, 859-862, 864, 867
- Surface Mount .795, 806-807, 809, 814-815, 818-820, 822-824, 827, 829-830, 832-837, 840-853, 855-863, 867
- Toroidal .826, 828-829, 835, 849, 859, 862
- Wirewound .822, 824, 826-827, 830, 835, 848-849, 863-864, 867

Infrared Thermometers .(See Test Equipment)

Product Index

- **Insulation Testers** 1874, 1885, 1895-1897
- **Insulators**
  - Mica 1306, 1737
  - Transistor 1306
- **Integrated Circuits** (See Semiconductors)
- **Inverters** 63, 110, 831

J

- **Jacks**
  - Banana 995-997, 1907
  - DC Power 942, 971-973, 982, 1969
  - DIN 983-984, 989, 991, 1146
  - Modular 1021, 1033-1040, 1043-1044, 1048-1051, 1053, 1056-1057, 1969
  - Phone 974-978, 982, 987, 1033-1036, 1039-1040
  - Phono (RCA) 975-976, 980, 982-983, 987
  - Test 998, 1907
  - Tip 998
  - XLR 984, 987-990, 992-993
- **Joysticks** 571
- **Jumpers** 1200, 1240, 1246-1247, 1255, 1269, 1293-1294, 1298, 1329, 1333

K

- **Key Fobs** 1697, 1700, 1703, 1713
- **Keyboards** 56, 1591
- **Kits**
  - Cabinet and Rack Hardware 1674
  - Capacitors 609, 638, 648, 651, 655-656, 664, 709, 727-728, 730
  - Component 1877, 1966-1968
  - Connectors 25, 896, 954, 1002, 1020, 1028, 1032-1033, 1073, 1078, 1080, 1082, 1088-1089, 1105, 1156, 1188, 1190-1192, 1265, 1270, 1272, 1281, 1307, 1318, 1322, 1908-1909, 1969
  - Development 6-7, 15, 18-19, 22-25, 28-30, 32-35, 38-41 43-46, 48-53, 80, 163-164, 167, 175-177, 183-184, 186-187, 190, 194, 197-205, 230, 268, 271, 281, 283, 289, 358, 415, 859, 1415, 1956
  - Educational 46
  - EMI / RFI Suppression 795, 839, 859
  - Ferrule 1322-1323
  - Fuse 507, 954, 1915, 1969
  - Graphical 60
  - Hand Tool 1034, 1911, 1920
  - Hardware 878, 1088, 1281, 1322, 1630, 1642, 1737, 1968
  - Inductors 795, 822, 839, 859, 1743, 968
  - LED 79-81, 84, 281, 289, 1969
  - Machine-to-Machine 52
  - Mounting 878, 1306, 1674, 1737, 1968
  - Prototyping 38, 190, 1943, 1954, 1956, 1960, 1966-1969
  - Resistor 549, 1966-1968
  - RF Adapter 1002, 1020
  - RoHS Compliant 1966-1969
  - Semiconductor 6-7, 15, 18-19, 22-25, 27, 29, 34-35, 38-53, 60, 79-80, 163-164, 167, 175-177, 183-184, 186-187, 190, 194, 197-205, 230, 268-269, 271, 281, 283, 289, 358, 415
  - Serial-to-Ethernet 41-42, 45, 52
  - Thermistor 494
  - Trimmer Potentiometers 602
  - Varistors 479
  - Wire / Cable / Tubing 822, 875, 878, 889, 893-894, 896, 914, 1956, 1968
- **Knobs** 566, 572-573, 584, 1483-1486, 1488, 1497, 1614-1618

L

- **Labels** 875, 877, 882, 1666, 1866, 1952
- **Lamps**
  - Automotive 111
  - CCFLs 110, 831
  - Flash Tubes 139
  - Halogen 111
  - Hardware 91, 128, 134-137, 139
  - Incandescent 92, 94-95, 99, 111, 131
  - Inverters 65, 110
  - Laser Modules 142
  - Lenses 94, 96, 134-136
  - Panel Mount 92, 95-96, 99-100, 125, 130, 138-139
  - Neon 92, 95-96, 139
  - Sockets 96, 111, 134, 137, 139
  - Ultra-Violet 110
- **LCDs** (See Displays)
- **LEDs**
  - Automotive 93, 95, 99, 131
  - Backlighting 64, 67-68, 79, 289
  - Bar Graph 74
  - Bi-Polar 91
  - Blinking 115-116, 127, 129, 138, 1969
  - Circuit Board Indicators 91, 101-104, 109, 123, 129
  - Clusters 131
  - Display 73-79, 156, 1806, 1869
  - Drivers 79-81, 281, 288-289, 301, 1817
  - Dual Color 89, 99-104, 108, 115-116, 122-123, 125, 127, 129, 132-133, 1969
  - Fiber Optic 152
  - Flux 107-108, 117, 120, 130, 132, 1969
  - Hardware 84, 91, 96, 128, 134-139, 1566, 1806, 1869
  - Hi-Power 81-85
  - Incandescent Replacements 93, 99, 131
  - Infrared 117, 120-121, 128, 143-144
  - Lenses 96, 134-136
  - Light
    - Arrays 74, 81, 88, 121
    - Bars 74, 121
    - Engine 81-85
    - Pipes 128, 136-137
  - Low Current 90, 101-104, 132-133
  - Matrix 74
  - Mounts 128, 135-137
  - Multi-Color 84, 89, 98-104, 108-109, 116-117, 122-124, 126-127, 129
  - Panel Mount 92, 96, 99-100, 125-126, 130, 138-139, 574
  - Rectangular 116-117, 120, 1969
  - Resistored 90-92, 101-104
  - RGB 84, 98, 117, 124, 126
  - Sockets 134, 137, 139
  - Special Shaped 90, 108, 115-116, 127
  - Super Bright 81-85, 90, 103, 114-116, 124, 138, 1969
  - Surface Mount 83, 86, 89, 97-98, 101, 105-106, 109, 112-113, 118, 122-124, 130-132, 137, 143-144, 152, 1969
  - Ultra Bright 90, 99, 131, 133, 1969
- **Linear ICs** (See Semiconductors)
- **Logic** (See Semiconductors)
- **Lubricant** 873, 1933, 1940, 1943, 1954-1955

M

- **Machine-to-Machine Kit** 52
- **Memory** (See Semiconductors)
- **Memory Connectors** (See Connectors)
- **Microcontrollers** (See Semiconductors)
- **Microphone Elements** 1602, 1613
- **Microprocessors** (See Semiconductors)
- **MOSFETs** (See Semiconductors)
- **Motors**
  - Drives 1585-1587
  - Stepper 266, 1585-1586
  - Vibration 1613
- **Mounting Brackets** 562, 565, 1640, 1648, 1652-1653, 1672, 1680-1682, 1806
- **Mouse** 1673-1674
- **Multimeter**
  - Accessories 1872, 1874, 1876, 1881-1882, 1884-1885, 1895
  - Analog 1874, 1876
  - Bench 1873, 1876, 1882
  - Digital 1078, 1874-1876, 1881-1882, 1884-1886, 1888, 1895
  - Graphical 1888, 1895

N

- **NEMA Enclosures** 1426, 1680, 1682, 1687, 1689-1690, 1694, 1699-1700, 1702
- **Networks**
  - Capacitor 523, 712
  - Resistor 519-525

O

- **Operational Amplifiers** (See Semiconductors)
- **Optical Encoders** 161, 1396-1398
- **Optical Network Devices** 1655
- **Optical Sensors** 152-153, 156, 161, 1650, 1655
- **Optoelectronics**
  - Color Sensor 152, 156
  - Flash Tubes 139
  - Infrared
    - Detectors 147, 160
    - Diodes 117, 128, 143-144, 147, 160
    - Emitters 128, 143-144, 147, 160
    - Encoder/Decoder 161
    - IrDA 161
    - Photo Transistors 117, 144, 147, 160
    - Receivers 144, 160-161
    - Remote Control Receivers 144
    - Sensors 161
    - Switches 147
    - Transceivers 161
  - Optocouplers
    - Analog 140-141, 149, 151
    - Digital 151
    - Dual 145-146, 159
    - High Gain 145
    - High Isolation 149-150
    - High Speed 145, 149-151, 157
    - High Voltage 146, 149, 159
    - Photo Darlington 148, 150, 157
    - Photo Transistor 146, 148, 152, 154-155, 157-159
    - Random Phase 145
    - Schmitt Trigger 145
    - Standard 140-141, 149
    - Zero Crossing 145, 157
  - Opto Drivers 79-80, 145, 288-289, 301, 1817
  - Optoisolators 152
  - Photocouplers 154-155
  - Photodiodes 152-153
  - Photolink 144
  - Photomicrosensors 1650-1651
  - Photosensors 147, 156
  - Solid State Relays 145
- **Oscillators**
  - Chipset 777
  - Clock 761, 768-769, 771-773, 778, 782-783, 785-786, 790, 792
  - Harsh Environment 761
  - MEMS 761
  - Programmable 761-763, 1586
  - RF 414, 761, 781
  - Silicon 414, 761
  - Surface Mount 761-763, 768-773, 777-783, 785-786, 790, 792, 1299
  - Voltage Controlled 768-769, 772-773, 779-781, 786, 790
- **Oscilloscopes**
  - Analog 1879, 1899
  - Digital 1882, 1888
- **Outlet Strips** 885, 1669, 1672, 1677, 1844-1847

P

- **Panel Meters** 1867-1874
- **Panel Mount Indicators** (See Illumination)
- **Peripherals** 216, 275, 1163-1164, 1170, 1174, 1260
- **Photocouplers** (See Optoelectronics)
- **Photomicrosensors** 1650-1651
- **Pilot Lights** 1428
- **PLD** (See Semiconductors)
- **Plugs**
  - AC 952-953, 956, 1810
  - Banana 995-997, 1907
  - DC Power 942, 970, 982
  - DIN 983-984, 989, 991, 1145-1146, 1161, 1351, 1353, 1810
  - Iris 978
  - Jones 1189, 1198
  - Modular 1034, 1036, 1049-1051, 1053, 1056-1057, 1910
  - Phone 975, 978-979, 981-982, 987, 991
  - Phono (RCA) 975, 980, 982-983, 987, 991, 1020
  - Tip 998, 1903
  - Waterproof 1053, 1056, 1119, 1128-1129, 1153-1154, 1292
  - XLR 984, 987-990, 992-993
- **Potentiometers**
  - Adjustment Tool 601, 603, 1922
  - Audio 573, 575-579, 581, 584
  - Carbon 575, 577-578, 581, 583, 585, 587, 590, 594-595
  - Cermet 582, 584-590, 592-593, 595-603
  - Clear Shaft 574
  - Conductive Plastic 568-569, 571-572, 582-584, 1396, 1645
  - Dials Counting 566, 568-569, 572, 598
  - Digital 262, 270, 568-569, 1397, 1922
  - Dual Ganged 576-578, 584
  - Encoders 1396-1397
  - Guitar Potentiometer 580-581
  - Illuminated 574
  - Incremental 1396-1397, 1645
  - Kits 602
  - Knobs 566, 572-573, 584, 597, 1617
  - Linear Motion 571, 1645
  - Miniature 577, 584, 589-590, 596, 1396, 1645
  - Motor Driven 573, 579
  - Multi-Turn 567-568, 570, 572, 592-593, 598-603, 1396, 1645
  - Open Frame 571, 586-588, 590
  - Panel Control 567-568, 572-573, 575-578, 580-583
  - PC Mount 573-579, 582-583
  - Position Sensor 1645
  - Precision 566-572, 598, 1922, 1934
  - Precision Dials 566, 568-569, 572
  - Programmable 262
  - Pushbutton 568
  - Rheostats 566
  - Rotary 566-568, 572-580, 582-583, 1396-1397, 1645
  - Rotary Encoders 1396-1397
  - Round 586-588, 597
  - Sealed 572, 584, 588-593, 596-597, 599-601, 603, 1645
  - Single Turn 569, 572, 574, 576, 582-583, 585-598, 1396, 1645
  - Slide 573-574, 579, 581
  - Snap-In 575, 579
  - Surface Mount 585-586, 588, 590-593, 596, 598, 601-603
  - Trimmer 585-603
  - Wirewound 566-567, 569-570, 572, 578, 1396, 1645
- **Potting**
  - Boxes 1701, 1704
  - Compound 1954
- **Power Conditioning** 1839, 1842, 1845
- **Power Contactors** 1575, 1752
- **Power Cords**
  - AC 948-951, 1718, 1828
  - DC 970, 1718
- **Power Distribution Units** 1845, 1847
- **Power Entry Modules** 953-954, 957-967, 1831
- **Power Filters** 957-959, 961-964, 966-969, 1095, 1785, 1810, 1831-1838, 1842
- **Power Inlets/Outlets** 885, 952-957, 959-968, 1669, 1672, 1677, 1787, 1844-1847
- **Power Inverters** 1839, 1845
- **Power Management** (See Semiconductors)
- **Power Protection**
  - DIN Rail 1810, 1841, 1843
  - Power Strips 885, 1672, 1677, 1844-1847
  - Surge Suppressors 1672, 1810, 1840-1841, 1843-1847
  - UPS Systems 1839, 1843-1844
- **Power Supplies**
  - AC 1749, 1789, 1829-1830, 1894
  - AC-DC 347, 1787-1830
  - AC Plug Kit 1822, 1826
  - Accessories 1789, 1792, 1802, 1806-1811, 1813, 1815, 1820-1828, 1878, 1880, 1882
  - Bench Top 1845, 1878, 1882, 1894, 1899
  - DC 347, 368, 1787-1809, 1811-1830, 1845, 1878, 1880, 1882, 1894, 1899, 1956
  - DC-DC Converters
    - Isolated 1759-1768, 1770-1772, 1774-1779, 1781-1782, 1785, 1810
    - Non-Isolated 1758-1760, 1767-1769, 1773, 1780, 1783-1784, 1786
  - DIN Rail 1806-1807, 1809-1810, 1813, 1815, 1843
  - Dual Output 1790, 1792, 1801-1802, 1808, 1811, 1814-1815, 1823, 1825, 1828

- External 1788, 1801, 1806-1807, 1809-1810, 1812-1813, 1815, 1817-1830
- Industrial 1806, 1809-1810, 1813, 1815
- International 1788-1791, 1793-1827, 1830
- Linear 1792, 1802, 1811-1812, 1815, 1825
- Medical 1787-1788, 1792-1800, 1805, 1816, 1818, 1821-1822, 1824
- Open Frame 1787-1788, 1790-1805, 1808, 1811-1812, 1816-1818, 1825
- Quadruple Output 1787, 1796-1798, 1808, 1814, 1816
- Rack Mount 1789
- Regulated 1825, 1845, 1878
- Single Output 1787-1788, 1790-1809, 1811-1830, 1878, 1880, 1882, 1894
- Switching 1773, 1787-1788, 1790-1791, 1793, 1795-1801, 1803-1810, 1812-1830, 1878, 1880
- Triple Output 1787-1788, 1790, 1792, 1795-1797, 1799, 1801-1802, 1804, 1808, 1811, 1814-1816, 1818, 1825, 1828, 1878, 1882, 1894, 1899
- Universal 1787-1788, 1790-1828, 1899
- Unregulated 1802, 1825, 1829
- Wall Plug-In 1801, 1818, 1820-1822, 1825-1827, 1829-1830

Premo-Flex Cable Jumpers 1293-1294

Printers 1588-1590

Probes
- Logic 1879, 1956
- Network Cable 1883
- Oscilloscope 1879, 1909
- Thermocouple 1884

Programmers, Universal 206-208

Prototyping Products
- Adapters 38, 1958, 1963
- Breadboards 38, 190, 1943, 1955-1964
- Conductive Silver Lubrication 1943, 1954-1955
- Design Workstation 1960
- Epoxies 1943, 1954
- Etching 1954
- Extender Cards 1962, 1965
- Glass Laminate 1955
- Jumper Wires 1956, 1961
- Kits 38, 190, 1943, 1954, 1956, 1960, 1966-1969
- Pens 1943
- Perfboards 38, 190, 1943, 1955, 1957-1964
- Pins 1965
- Quick Bond Gel Accelerator 1943
- Silicones 1954
- Silver Epoxy Kit 1943, 1954
- Silver Plated Wire 1965
- Socket and Bus Strips 1956, 1965
- Terminals 1965
- Toner Transfer System 1956
- Trainers 1960

Punches 1920, 1922-1923, 1964

R

Racks 1669-1670, 1673-1675, 1677-1678, 1711, 1789

Receiver Modules 30, 144

Rectifiers (See Semiconductors)

Relays
- Automotive 1528-1529, 1578
- Cadmium Free 1514
- Contactors 1543, 1575
- DIN Rail 1535, 1539, 1544, 1546, 1576-1577
- Frequency 1500-1504, 1508, 1549
- General Purpose 1501-1503, 1516, 1522, 1558-1578
- Heavy Duty 1516, 1522, 1562, 1567, 1575, 1578, 1670
- High Capacity 1500, 1565
- High Current 286, 1527
- High Frequency 1500-1502, 1508, 1549
- High Isolation 1501-1502, 1520
- High Sensitivity 1512-1513
- Impulse 1575
- I/O Modules 1536, 1552-1553
- Low Signal 1505-1513
- MOSFET 1537, 1551, 1557
- PCB Mount 1500, 1505, 1511-1512, 1515, 1517-1528, 1534
- PhotoMOS 1537, 1551
- Power 272, 1514-1526, 1528, 1535, 1537, 1549, 1555-1556, 1560-1562, 1566-1567, 1575, 1577-1578
- Reed 1530-1534
- Safety 1568, 1570, 1577
- Signal 1505-1513
- Sockets 1516, 1529, 1558, 1560-1562, 1568, 1570, 1572-1574
- Solid State 145, 1535-1550, 1552-1557
- Surface Mount 1500-1502, 1531
- Time Delay 1561-1562, 1574
- Voltage Sensors 1562, 1574

Resistors
- Adjustable 562
- Aluminum Housed 550, 563, 565
- Arrays 519, 522, 524
- Bare Metal 540
- Bias 427
- Carbon Composition 549
- Carbon Film 542, 548, 1968
- Cement 547, 549
- Ceramic Composition 558
- Chip 519, 526, 528-540, 552, 555
- Current Sensing 526-529, 533, 535-537, 540-541, 552-556
- Heat Sink Mountable 550-551, 553-554, 557, 563, 565
- Kits 549, 1966-1968
- Metal Film 534, 541, 543-545, 547-548, 1967
- Metal Oxide 549, 560, 1967
- Metal Strip® 535-537
- Microwave 538
- Molded 525, 529, 537, 546, 556-557, 561
- Mounting Hardware 557, 561-562, 565, 1968
- Networks 519-525, 1967
- Non-Inductive 553-554, 557-560
- Open Air 527, 541
- Planar 551, 553, 560, 563
- Power 525, 527, 535-537, 540, 546-547, 549-566
- Precision 524, 526, 532, 534, 537-539, 541, 545, 554
- RF 427, 540
- Silicone Coated 546, 551, 556, 559-560, 565
- SOT-23 523
- Surface Mount 519-520, 522-557, 563, 565, 1966
- Thick Film 520-521, 525, 527-528, 530-531, 533, 535-536, 539, 541, 551-552, 557-559, 564-565, 1966
- Thin Film 520, 523-524, 526-527, 532, 534, 538-539, 557
- TO-220 553, 564-565
- Variable (See Potentiometers)
- Vitreous Enamel 561-562
- Wirewound 537, 546-547, 550, 556, 558-559, 561-563, 565-566

Resonators 766, 770, 784, 791

RF
- Absorber Sheets 799, 817
- Chokes 825-826, 866
- Shield Enclosures 800
- Transceivers 5-7, 9-14, 16, 18, 22, 26, 47

RFI Suppression Coils 838

RFID
- Modules 16, 27
- Products 29, 1666

Rheostats 566

Ringers 282, 1603-1604, 1607

S

Semiconductors
- Accelerometers 37, 282
- ADCs 269, 283, 290, 300
- Alternistors 460, 463
- Amplifiers 191, 247-249, 267, 269, 271, 283, 287, 295-296, 303-326, 329, 354, 431
- Analog Switches 255, 261, 264, 266-267, 272-273, 282-283, 287, 292, 297-298
- Audio
  - Amplifiers 271, 295-296, 318, 326
  - Bipolar Transistors 426, 428
  - ICs 271, 295-296, 299-301, 318, 326
- Bluetooth ICs 306-307
- Bridges 21, 266, 274-275, 328
- CAN 173, 189, 194, 270, 344
- Clocks 221, 268, 274, 278, 284, 344
- CODECs 185, 278, 299-300
- Comparators
  - General Purpose 264, 310, 312, 357, 367
  - High Speed 312, 357
  - Low Power 261, 329, 354, 357
  - Low Voltage 261, 354, 357
  - Micropower 358
  - Precision 261, 312
  - Voltage 261, 267, 272, 312, 354, 357-358
- Controllers
  - DC-DC 330, 346, 368
  - Flash Disk 191
  - Hotswap 286
  - Memory 369
  - Motor 271, 301, 370
  - PWM 352-353, 368
  - Switch Mode 370
  - USB 40, 61, 275, 279, 340, 368
  - Voltage 285, 345-346, 352-353
- Converters
  - AC-DC 347-348
  - Analog to Digital 269, 282-283, 290, 300
  - Boost 302
  - DC-DC 263, 312, 328, 330, 332, 346, 348, 354, 367
  - Digital to Analog 269, 291, 300
  - Frequency 271, 305, 308
  - Light-To-Digital 156
  - Light-To-Frequency 156
  - Light-To-Voltage 156
  - Signal 265, 271, 305, 308
  - Voltage 312
- Core Modules 34-35, 44, 48-51
- CPLDs 232
- Current Monitors 285, 302
- Current Reference 369, 371
- DACs 269, 291, 300
- Data Transmission
  - Bluetooth 17, 20, 47
  - LVDS 264, 294
  - RS232 20, 280, 293, 344
  - RS422 20, 280, 344
  - RS485 20, 280, 293-294
  - Wireless 5-7, 17, 20, 23-25, 29, 47
- Decoders 161
- Deflection 281
- Development Kits 6-7, 15, 18-19, 22-25, 27-29, 32, 34-35, 38-41, 43-56, 58-60, 79-80, 163-164, 167, 175-177, 183-184, 186-189, 190, 192, 194, 197-205, 230-231, 233, 268, 271, 281, 283, 287, 289, 347-348, 358, 415
- Diacs 459
- Digital Potentiometers 262, 270
- Diodes
  - Arrays 418, 469
  - Constant Voltage 143
  - Current Regulating 374, 411
  - Damper 386
  - Fast Recovery 383, 386, 399
  - General Purpose 375, 397
  - Infrared (See Optoelectronics)
  - Low Leakage 411-412
  - Modules 142, 144
  - PIN 160, 372
  - Schottky Barrier 372-375, 377-378, 394-395, 398-399, 404-405, 412
  - SCRs 375, 463
  - Small Signal 374-377, 385-386, 395, 405
  - Surge Protection 466, 468, 471-476
  - Switching 373-374, 376, 395
  - Trigger 463
  - TVS 376, 466-469, 471-476
  - Ultra Fast Recovery 386
  - Varactor 412
  - Zener 374-375, 378-380, 384-385, 392, 404-407
- Drivers
  - Bus 370
  - Display 79
  - EL Backlighting 79, 285, 289
  - GaAs 414-415
  - H-Bridge 173, 255, 281, 283
  - High Side 283, 285
  - High Voltage 283, 285-287
  - Ignition 283
  - LCD 79, 173, 271, 285, 301
  - LED 79-80, 281, 288-289, 301, 1817
  - Line 255, 281, 296
  - MEMS 287
  - MOSFET 249, 270, 281, 286, 346, 370, 414
  - Motor 272, 281, 370
  - PWM 80, 288, 368
  - Relay 272, 281, 286
- DSCs 170, 175, 182, 184, 196
- DSPs 175, 184, 238
- EEPROMs
  - 2-Wire 211, 216, 218-219, 221
  - 3-Wire 211, 218-219, 221
  - I2C 211-212, 218, 227
  - Low Voltage 211-213, 218-219, 221, 227
  - Microwire 211-212, 216, 219, 227
  - Parallel 210, 212-213
  - Serial 210-212, 216, 218-219, 221, 227
  - SPI 212-213, 216, 218-219, 227
- Emulators 176, 183, 190, 198, 203-205, 207
- Encoders 161
- EPROMs 209, 226, 238
- Ethernet 21, 41-42, 44-45, 52, 279, 348
- Evaluation Boards 23-25, 29, 31-32, 34-35, 37, 40, 44, 46-53, 61, 156, 161, 163-164, 167, 175, 177, 183-190, 192, 194, 197-205, 230, 232-233, 236-237, 268, 277-279, 281, 308, 332, 358-359, 415
- Flash Memory 209, 214, 217, 222-225, 229-230, 238
- FPGAs 37, 47, 230-231, 233-236
- Frequency Generators 271
- Hotswap Controllers 286
- Hybrid Controllers 170, 175
- IGBTs 346, 390, 446, 448
- Infrared Emitters (See Optoelectronics)
- Infrared Receivers (See Optoelectronics)
- Interface
  - 10/100 41-42, 44
  - Accelerators 276
  - ARCNET 279
  - Bluetooth 20, 22, 47
  - Ethernet 41-42, 44, 52, 279
  - Graphical 60
  - I²C 270
  - IrDA 270
  - LVDS 264, 274, 294
  - Motor Control 272
  - PCI 276
  - PCI-Express 274
  - RS232 20, 37, 41-42, 44, 280, 293, 344
  - RS422 20, 44, 280, 344
  - RS485 20, 41-42, 44, 280, 293-294
  - Serial-to-Ethernet 52
  - SIM 272
  - Smartcard 272
  - SPI 270
  - USB 16, 37-40, 42, 206, 265, 279-280
  - Wireless 5-7, 16, 20, 22-25, 29, 38, 41-43, 47, 52
- Logic
  - 4000 252-253
  - 74ABT 255
  - 74AC 239, 248, 250, 253, 255-256
  - 74ACQ 239
  - 74ACT 239-240, 248, 250, 253-254, 256
  - 74ACTQ 240
  - 74AHC 256
  - 74AHCT 256
  - 74ALS 256
  - 74ALV 257
  - 74ALVC 253, 256-257
  - 74AUC 257
  - 74AUP 257
  - 74AVC 257
  - 74C 242
  - 74CBT 257
  - 74F 257
  - 74FCT 255
  - 74HC 242-243, 248-251, 254, 257-258
  - 74HCT 243-244, 249, 251, 254-255, 258
  - 74HCU 244, 258
  - 74LCX 240-241, 249, 251
  - 74LCXH 241
  - 74LCXR 241
  - 74LCXZ 241
  - 74LS 258-259

Product Index

  - 74LV 259
  - 74LVC 259-260
  - 74LVQ 241
  - 74LVT 241, 260
  - 74LVTH 241, 260
  - 74LVX 241, 251
  - 74LVXC 241
  - 74LX1G 252
  - 74S 260
  - 74V1G 252
  - 74V2G 252
  - 74V1T 252
  - 74VCX 241-242, 251
  - 74VCXH 242
  - 74VHC 242, 246, 251
  - 74VHCT 242, 249
  - 74VHCU 242
  - 75L 221
  - 75V 221
  - ECL 246-248
  - FXL 242
  - Programmable 165-166, 210, 230-238
  - Single Gate 221, 252
  - SnapLogic 245
  - STPIC 252
  - TinyLogic 244-245
- Memory
  - 2-Wire 211, 216, 218-221, 227
  - 3-Wire 211, 219, 221, 227
  - ATA PC Cards 225
  - CompactFlash Cards 225
  - DRAM 215
  - EEPROMs 210-213, 216, 218-219, 221, 227
  - EPROMs 209, 226, 238
  - Flash 209, 214, 217, 222-225, 229-230, 238
  - FlashDisk Module 225
  - FPGAs 230-231, 233-235
  - FRAM 220
  - I2C 211-212, 218, 227
  - IDE 217
  - Low Voltage 211-213, 218-219, 221, 227-228
  - Microwire 211, 216, 219, 227
  - NonVolatile 211-214, 220, 228
  - OTP 209, 226, 238
  - Parallel 210, 212-213, 220, 222-224
  - RAM 214-215, 220, 228
  - Real Time Clocks 221
  - SCSI 217
  - SD Cards 225
  - Serial 210-212, 216, 218-222, 227, 229
  - Solid State 217, 225
  - SPI 212-213, 216, 218-220, 227
  - SRAM 215, 369
  - Supervisors 369
  - UV Erasable 226
- Microcontrollers
  - 8051 10, 12, 164, 187-189
  - 8-Bit 162-163, 171-172, 178-181, 186-189, 191, 193-194, 197-205
  - 16-Bit 173, 181-182, 185, 194-196, 199
  - 32-Bit 35, 44-45, 164, 174, 177, 185-186, 192-194
  - ARM 35, 164, 177, 185, 192, 194, 196
  - AVR 162-163
  - BASIC Stamp 46-47
  - ColdFire® 174
  - Compilers 184
  - Core Modules 34-35, 44, 48-51
  - Development Tools 9-10, 12, 34-35, 47, 163-164, 167, 175, 177, 183-184, 186-190, 192, 194, 197, 199-205
  - Emulators 183, 198, 203-205, 207
  - Flash 162-164. 171-174, 178-184, 187-189, 191-192, 194-199, 201-202
  - General Purpose 172-173, 193, 200
  - IR 205
  - Mixed-Signal 165-166, 188
  - OTP 200, 204
  - PICxxx 178-182
  - Processor Companions 187
  - Programmers 38, 190, 207-208
  - PSoC 165-166
  - RISC 162-164, 171, 178-181, 186
  - Serial Communications Controllers 205
  - Supervisors 263
  - USB 37-39, 46, 188, 190
- Microprocessors 48-50, 168-169, 202-203, 238, 283-284, 330
- Microwave 305-307
- MODEM ICs 277
- Monitors
  - Current 285, 302
  - Reset 302
- MOSFET Arrays 418, 437
- MOSFETs
  - Auto-Protected 444, 446
  - Bi-Directional 450
  - Complementary 249, 437, 439-440, 444
  - Common Drain 439
  - Depletion Mode 437, 448
  - DMOS 448, 454-455
  - Drivers 249, 270, 281, 286, 370, 414-415
  - Dual 249, 418, 437-439, 446, 450-451, 453-455
  - Enhancement Mode 418, 437, 445-448, 454-455
  - High Power 328, 390, 442
  - IGBT 390, 446, 448
  - Load Switches 328, 450
  - Logic Level 249, 437, 446, 450, 453
  - Low Power 438-439
  - Matched Pair 437
  - Medium Power 414-415, 440-441
  - N-Channel 249, 417-418, 432, 437-448, 450-455
  - P-Channel 249, 417-418, 437-440, 442-444, 446-450, 455
  - Power 286, 328, 339-340, 370, 390, 414-415, 417, 438-446
  - Quad 249, 437
  - RF 414-415, 417
  - Single 249, 418, 438, 440-442, 445-455
  - SYNCFET 439
  - TrenchFET 444, 449-450, 452-453
  - Zero Threshold 437
- Multiplexers 27, 255, 271, 287, 297, 300, 368
- Operational Amplifiers
  - CMOS 303, 311, 316, 354
  - Dual 267, 303, 308-312, 314-318, 320-322, 324, 329, 354
  - General Purpose 312-314, 320-324
  - High Performance 303, 309, 312, 314
  - High Speed 312-314, 324
  - Linear 303
  - Low Noise 307-308, 312-313, 315, 317
  - Low Power 303, 307-308, 311, 313, 315, 317-318, 329, 354
  - Low Voltage 303, 311, 313, 354
  - Micropower 303, 317
  - PA Drivers 306-307
  - Power 303, 307-308, 312-313, 315-318, 329, 354
  - Prescalers 306-308
  - Programmable 310, 316
  - Quad 267, 303, 309-312, 314-318, 323-324
  - Rail-to-Rail 303, 316-317, 354
  - Single 303, 308-311, 314-320, 324, 354
  - Standard 309
  - Triple 324
  - Variable Gain 306
  - Wideband 306-308, 312, 318
- Optocouplers (See Optoelectronics)
- PFC 335, 345, 358, 368
- Power Management
  - Battery Management 328, 338, 350, 364, 369
  - Battery Protection 350
  - Comparators 261, 272, 312, 329, 354, 357-358, 367
  - Darlington Arrays 357
  - DC-DC Converters 312, 328, 330, 332, 346, 348, 354, 367
  - Energy Harvesting 261
  - Hotswap Controllers 286
  - Offline ICs 335, 343-345, 347-348, 367
  - Power Conversion 347-348
  - Power Factor Correction 335, 345, 358, 368
  - Power Switch 185, 368
  - Pulse Width Modulators 358
  - Supervisory Circuits 268, 283-284, 338, 369
  - Switching Regulators 337, 352-354, 359, 365-366, 370
  - Temperature Sensors 359
  - Voltage Comparators 261, 272, 312, 354, 357-358
  - Voltage Detectors 312, 338, 349-350
  - Voltage References 334, 338, 345-346, 359-361, 371
  - Voltage Regulators 286, 327, 331, 333-334, 336, 339, 350-356, 359-366, 370-371
- Power Switch 185, 283, 328-329, 335, 368, 1817
- Prescalers 305-308
- Programmable Logic
  - CPLDs 232
  - Crossover 236
  - EEPLDs 210
  - Evaluation Boards 230, 232-233, 236-237
  - Flash 230
  - FPGAs 230-231, 233-236
  - FPOAs 237
  - Mixed Signal 165-166
  - PSDs 238
  - PSoC 165-166
  - Software 233, 236-237
  - SPLDs 233
- Programmable System Devices 238
- Programmers 38, 190, 206-208
- Pulse Width Modulators 358
- RAM 187, 214-215, 220, 228, 284
- Real Time Clocks 221, 284
- Receivers 26, 144, 160-161, 255, 281, 295, 306, 370
- Rectifiers
  - Bridge 383, 389, 391, 396-398, 402, 410
  - Fast Recovery 383, 386, 388, 393, 396, 399-400, 403, 408-409
  - General Purpose 375, 387, 391, 397, 403, 408, 412
  - Glass Passivated 381, 391, 396, 408
  - High Efficiency 403
  - Hyperfast 388
  - Schottky Barrier 373-375, 378, 381-382, 387, 391, 396, 398-399, 401, 404, 409-410, 412
  - SCRs 375
  - Silicon 408
  - Standard 381, 391, 393, 402-403, 408, 412
  - Super Barrier 378, 396, 399
  - Super Fast Recovery 383, 396, 399, 403
  - Switching 373-374, 376, 391, 395
  - Ultra Fast Recovery 383, 386, 388, 393, 400, 408-409
- Regulators
  - Adjustable 327, 329, 331, 333-334, 341-342, 355, 360-361, 365
  - Chopper 354
  - Fixed 327, 331, 333-334, 336, 341-342, 350-352, 355-356, 361-364, 371
  - Linear 286, 328, 331, 337, 341-342
  - Low Dropout 267, 327-328, 331, 334, 336-337, 339, 342, 350-352, 355-356, 360-361, 363-366, 370-371
  - Low Voltage 267, 327, 333-334, 336, 339, 350-356, 360-366, 370-371
  - Negative 333, 336, 341, 360-361, 365
  - Positive 327, 333-334, 336, 341-342, 350-352, 360-365
  - Precision 329, 350-351, 360
  - Switching 267, 337, 343, 352-354, 359, 365-366, 370
  - Voltage 267, 327, 331, 333-334, 336, 339, 350-356, 360-366, 370-371
- Relays (See Relays)
- Reset ICs 282, 302, 330
- RF ICs 9-13, 31, 277, 304-308
- RF Synthesizers 277
- Ring Generators 282, 287
- SCRs 233, 375, 463
- Single Board Computers 54-59
- Software 57, 60, 176, 192, 233, 236-237
- Stepper Motors 266
- Supervisors
  - Microcontrollers 263
  - Power Management 268, 338, 346, 360, 369
  - Voltage 283-284, 338, 346, 360
- Switches
  - Analog 255, 261, 264, 266, 271-273, 282, 287, 292, 297-298
  - Audio 271
  - Broadband 307-308
  - BUS 273
  - DPST 298
  - High Side 266, 283, 328-329
  - JFET 431-432
  - LAN 273
  - Line 255, 287
  - N-Channel 432
  - P-Channel 431, 450
  - PCI-Express 273
  - RF 306-308
  - SPDT 298, 306-308
  - SPST 297-298
  - USB 273, 329, 368
  - Video 271, 273, 306
- Temperature Sensors 16, 38, 47, 265, 269, 292, 359
- Thyristors
  - Alternistors 460, 463
  - Diacs 459
  - Filters 461
  - Overvoltage Protectors 456-457
  - Quadracs 460
  - SCRs 233, 375, 463
  - Sidacs 399, 458-459, 461
  - Triacs 459-463
  - Unijunction 461
- Timers 255, 261, 263, 265, 281
- Touch Screen Controller 62, 67, 79, 293, 300
- Transceivers 5-7, 9-14, 16-18, 22, 26, 47, 161, 266, 274, 278-279
- Transient Voltage Suppressors 464-476
- Transistors
  - Arrays 296, 344, 357, 418, 437
  - Avalanche 436
  - Bipolar 413-415, 418, 424-430, 433-436, 446, 448
  - Darlington 157, 418-419, 422, 428, 436
  - Digital 422-423, 427
  - Dual 159, 418, 422, 431, 433-437, 446, 450-451, 453
  - GaAs 414-415
  - General Purpose 296, 414, 419-422, 424-426
  - High Voltage 159, 435-436
  - IGBTs 390, 446, 448
  - JFETs 417, 423, 427, 431-432
  - Low Saturation 434-435
  - Power 390, 414-415, 417, 419, 429-430, 433
  - Pre Biased 418, 427
  - Quad 422, 437
  - RF 413-415, 417, 423, 427, 433
  - Small Signal 413-417, 419-423, 430, 437
  - Switches 431-432, 450
- Triacs 157, 459-463
- TVS 376, 464-476
- USB Host Controllers 40
- Video ICs 271, 301, 305-306
- Voltage Detectors 312, 338, 349-350
- Voltage References 334, 338, 345-346, 359-361, 371
- Voltage Translators 274
- Wireless Modules 5-7, 15-17, 19, 21-28, 32, 38, 41-43, 52-53
- Zener Diodes 374-375, 378-380, 384-385, 392, 404-407
- ZigBee™ 5, 13-19, 25, 28, 51, 184, 307-308

Sensors
- Accelerometers 1665
- Accessories
  - Fiber-Optic Cables 1654
  - Harness Assemblies 1645
  - Magnets 1646
  - Mounting Brackets 1648, 1652-1653
- Air Flow 1656
- Clinometers 1665
- Current 153, 304, 491, 1352, 1657
- Encoders 161, 269
- Fiber Optic 152, 1654
- Filter 265, 292, 1656
- Hall Effect 152, 329, 1645-1646, 1657
- Infrared 161
- Linear Motion 1644-1645
- Liquid Level 1658
- Magnetic 1646
- Optical Devices 1650, 1655
- Photoelectric 1649, 1651-1654
- Photomicrosensors 1650-1651
- Position 153, 1644-1646
- Pressure 1659-1665
- Proximity 1646-1649
- Reed 1658
- RFID Products 1666
- Rotary 1644-1645
- Speed 153, 269, 1646, 1717
- Temperature 16, 38, 47, 265, 269, 292, 359
- Tilt 1656, 1665

Product Index

  - Vane 1646
  - Vibration 1656, 1665
- **Sensor/Actuator Boxes** 1152
- **Shunts** 329, 360, 540, 1200, 1210, 1240, 1246-1247, 1269, 1298, 1475, 1868, 1871
- **Signal Conditioners** 1810
- **Single Board Computers** 54-59
- **Sirens** 1608, 1613
- **Sleeving** 883, 886-887
- **Smart Card Readers** 1163-1164, 1170, 1174, 1260
- **Sockets**
  - AC 953, 1956
  - Boardmount 1203, 1205, 1207-1208
  - Burn-In 1296-1299
  - Compact PCI 1160
  - DDR2 ....1174, 1260
  - DIMM 1184, 1260
  - DIP 1240, 1263, 1296-1300, 1303-1304
  - Display 1298, 1304
  - IC 1261-1263, 1298-1304, 1574
  - IDC 1203-1205, 1207, 1238, 1240, 1266
  - In-line 1155, 1233, 1261-1263, 1297
  - Jones 1189, 1198
  - Modules 31, 43, 183, 953, 1063, 1174
  - Oscillator 1299
  - PC Board 953, 1200, 1230, 1232, 1234, 1286-1287
  - PLCC 1299-1302
  - Relays ..1516, 1529, 1558, 1560-1562, 1568-1570, 1572-1574
  - SIMM 1300
  - SIP 1261-1263, 1300
  - SOIC 1297-1298
  - SOJ 1298
  - SSOP 1298
  - Surface Mount 137, 503, 786, 1040-1041, 1160, 1174, 1260, 1299, 1301, 1304
  - Test 1296-1297, 1299, 1960
  - Transistor 1300, 1304, 1306, 1968
  - Waterproof 1153-1154, 1158
  - Wiremount 1077, 1200-1201, 1203-1205, 1207-1208
  - ZIF 1299
- **Software** 57, 60, 176, 192, 233, 236-237, 1880
- **Solder Products**
  - Desolder Braid 1939, 1943, 1955
  - Desoldering Tool 1931, 1934-1936, 1955
  - Flux 1937-1938
  - Fume Absorbers 1934
  - Heat Guns 1932, 1936
  - Iron 1929-1933, 1936, 1946
  - Lubricant 1933, 1943, 1955
  - Paste 1936-1938
  - Pen 1938
  - Solder 1927, 1937-1938, 1945
  - Solder Pots 1934
  - Solder Systems 1927-1928
  - Soldering Tools 1927, 1929-1936
  - Tip Tinner 1935
  - Tips 1928-1933, 1935-1936
- **Solenoids** 1752
- **Sonalerts** 1606-1608
- **Speakers** 299-300, 326, 921-922, 1603, 1605, 1607, 1612-1613, 1622
- **Splices** 895, 1155, 1307-1311, 1316-1321, 1913
- **Static Control Products**
  - Circuit Freezer 1940
  - Cleaner for Surfaces ..1939-1940, 1942-1943, 1947-1948, 1952
  - Coating 1942
  - Containers 1935, 1948-1949
  - Field Service Kits 1947
  - Floor Mats 1948, 1952
  - Hand Lotion 1942
  - Monitors 1946-1947, 1950, 1952
  - Shoe Grounders 1947, 1949, 1952
  - Static Awareness Labels 1948, 1952
  - Static-Shielding Bags 1948
  - Table Mats 1942, 1948, 1950, 1952
  - Tape 1945, 1948, 1952
  - Trays 1950
  - Wrist Cords and Straps ...1620, 1936, 1947, 1949-1950, 1952
  - Wrist Strap Testers 1950
- **Stick Controllers** 1393
- **Surge Suppressors** 399, 456-457, 464-476, 486-489, 499, 1672, 1810, 1840-1841, 1843-1847
- **Switches**
  - Anti-Vandal 1402-1403, 1409, 1411, 1429-1430
  - Basic 1364-1377
  - Boot Seals 1399-1400, 1433-1435, 1449
  - Coded Rotary 1483-1491
  - Detection 147, 1389-1392
  - DIP/SIP
    - Coded 1475-1477, 1479, 1488-1491
    - DIP/SIP 1475-1479, 1488-1491
    - Half-Pitch 1475-1476, 1478-1479
    - Surface Mount 1476-1477, 1479, 1489, 1491
  - Directional 1393
  - Door 1392, 1432, 1472, 1499
  - Door Contact 1392, 1472
  - Emergency Stop 1402, 1424, 1427
  - Encoders 1393-1398
  - Foot 1406, 1412
  - Hook 1368
  - Illuminated
    - Paddle 1461
    - Pushbutton 1402-1403, 1408-1409, 1411-1412, 1414, 1418-1422, 1424, 1427-1428
    - Rocker 1452-1459, 1461-1463
    - Selector 1402, 1497
    - Slide 1470-1471
    - Tactile 1386, 1388
    - Toggle 1444, 1447
  - Indicator 573
  - Key Pushbutton 1402, 1407
  - Keylock 1495
  - Leaf 1368
  - Lever and Push Operation 1057, 1393, 1401, 1443-1444, 1464, 1486
  - Limit 1498-1499
  - Line Interrupt 1368
  - Line Voltage 1467
  - Magnetic 1394, 1472, 1597
  - Multi-Directional 1378, 1393
  - Navigation 1383, 1393
  - Optical (Photomicrosensors) 152, 1655
  - Paddle 1460-1461
  - Piezo 1429-1430
  - Push 1057, 1393, 1401
  - Pushbutton
    - 16mm 1403, 1423-1424, 1428
    - 22mm 1410, 1425-1428
    - Anti-Vandal 1402, 1409, 1411
    - Boot Seals 1399-1400, 1494
    - Contactless 1422
    - Door 1432
    - Emergency Stop 1402, 1424, 1427
    - Environmentally Sealed 1402, 1417
    - Foot 1406, 1412
    - Hermetically Sealed 1400
    - Illuminated 1402-1403, 1408-1409, 1411-1412, 1414, 1418-1422, 1424, 1427-1428
    - Key 1402, 1407
    - Photo Interrupter 1422
    - Pilot Lights 1428
    - Power 1401, 1407
    - Security 1402
    - Snap Action 1400, 1402, 1416, 1431
    - Surface Mount 1404
  - Pushwheel 1492-1493
  - Reed 1373, 1473
  - Rocker
    - Appliance Style 1450, 1455
    - Boot Seals 1494
    - Dual Color 1450, 1455, 1458
    - Double Pole 1451
    - Environmentally Sealed 1462
    - Illuminated 1452-1459, 1461-1463
    - Power 1450, 1453-1454, 1461-1462
    - Single Pole 1451
    - Tippette 1452
  - Rotary
    - Adjustable 1483-1484, 1487
    - Decimal Coded 1488, 1490
    - Enclosed 1480, 1483-1484, 1487
    - Hexadecimal Coded 1488, 1490
    - Lever Action 1486
    - Non-Shorting 1483-1485, 1487, 1489
    - Open Frame 1480, 1484-1486
    - Shorting 1487
    - Surface Mount 1395, 1489, 1491
    - TO-5 1487
  - Safety 1498-1499
  - Seals 1399-1400, 1421, 1433-1435, 1449, 1479, 1494
  - Security 1402, 1495
  - Seesaw and Push 1057, 1393, 1401
  - Selector 1402, 1496-1497
  - Slide
    - Illuminated 1470-1471
    - Instrumentation Grade 1464
    - Line Voltage 1467
    - Power 1465, 1467
    - Sealed 1466
    - Surface Mount 1465
  - Snap Action 1363-1377, 1400, 1402, 1416, 1431
  - Stick Controllers 1393
  - Tactile
    - Caps 1380, 1382, 1386-1388
    - Double Action 1378, 1385
    - Illuminated 1386, 1388
    - Surface Mount 1378-1379, 1381-1385, 1387
    - Through-Hole 1379-1384, 1387-1388
  - Thumbwheel 1492-1493
  - Tilt 1446, 1474, 1656
  - Toggle
    - Boot Seals 1433-1435, 1449, 1494
    - Environmentally Sealed 1448
    - Illuminated 1444, 1447
    - LED Tipped 1447
    - Plastic Baton 1443
    - Power 1435, 1438, 1449
    - Surface Mount 1436, 1440

T

- **Tachometers** 1581, 1883
- **Tape**
  - Anti-Static 1948
  - Color Coding 1944
  - Double Coated Film 1944
  - Duct 1944
  - Foam 1944, 1952
  - Glass Cloth 1944
  - Labeling 873, 882
  - Mastic 1944
  - Plating 1944
  - Shielding 1945, 1948, 1952
  - Silicone Rubber Electrical 1944
  - Splicing 1944
  - Vinyl Electrical 873, 1308, 1914, 1944
- **Telephone Switches** 1368
- **Terminal Blocks**
  - Accessories 1324, 1328-1329, 1333, 1339, 1350, 1352-1353, 1356-1360, 1711, 1809
  - Barriers 1314, 1325-1326, 1329-1330, 1333
  - CLIPLINE 1353-1356
  - Compression 1314
  - DIN Rail 1332, 1351-1355, 1357-1360, 1597, 1711, 1809
  - Electronic Housings 1711
  - Eurostyle ..1327, 1330-1331, 1334-1343, 1345-1350, 1353-1360
  - Ferrules 1322-1323
  - FlexiPlug® 1325
  - Fuse Blocks 1357, 1360
  - Interface Modules 1328, 1332
  - Mounting Channels 1324, 1328, 1360
  - NEMA 1324
  - Panel Mount 1337, 1350, 1352
  - PC Board 1325-1326, 1328-1331, 1333-1334, 1336-1340, 1342-1350
  - Pluggable 1325, 1327-1328, 1331-1332, 1335-1336, 1340-1350, 1353
  - Screwless 1328, 1330, 1337, 1339, 1342, 1345-1348
- **Terminals** ....(See Connectors)
- **Test Equipment**
  - Accessories
    - Alligator Clips and Leads 1903-1905, 1910
    - Banana Plugs and Jacks 1903, 1907
    - Battery Clips 1903-1904
    - BNC 1906
    - Cases 1874, 1876, 1880-1881, 1884
    - Contact 1902
    - Grabbers 1906, 1908-1909
    - Insulation 1874, 1885, 1895, 1905
    - Insulators 1904-1905
    - Patch Cords 1900, 1907-1908
    - Telecom Products 1905-1906, 1908
    - Test Clips 1356, 1900, 1903-1910
    - Test Lead Holder 1908
    - Test Leads 1876, 1884, 1903-1904, 1906-1910
  - Analyzers and Testers
    - Audio 1879, 1899
    - Battery Capacity 1853, 1876, 1897
    - Calibrators 1883, 1887-1889
    - Component 1876-1877, 1884, 1886, 1899
    - Continuity 1876, 1884, 1886, 1892, 1895-1897
    - Current 1874, 1876, 1884, 1886, 1892, 1895
    - Datacom 1883, 1896-1897
    - Electrical 1874, 1879, 1885-1886, 1890-1891, 1895-1897
    - Fiber Optic 1897
    - Multitester 1885-1886, 1888, 1895
    - Network Cable 1883, 1896-1897
    - Power Quality 1891-1892, 1895
    - Spectrum 1879
    - Surge Protector Test Set 486
    - Telecom 1883, 1896-1897, 1899
    - Voltage ..486, 1874, 1881, 1884, 1886, 1892, 1895-1896, 1899
    - Wall 1886, 1892
  - Erasers, EPROM 206, 208
  - Generators
    - Function 1879-1880, 1890, 1894, 1898-1899
    - Pulse 1879-1880, 1894, 1899
    - Signal 1879-1880, 1899
    - Tone 1877, 1883
    - Waveform 1879-1880, 1890
  - Kits and Sets 916, 949, 1032, 1904, 1908-1910
  - Meters
    - Capacitance 1875, 1877, 1882, 1884, 1894
    - Clamp 1875-1876, 1881, 1884, 1886, 1895
    - Hygrometer 1883, 1893
    - Infrared 1883, 1885-1887, 1893
    - Light 1883, 1892, 1897
    - LCR/ESR 1875-1877, 1882, 1898-1899
    - MegOhm 1874, 1882, 1885, 1892, 1895
    - Multi
      - Accessories 1869, 1871-1872, 1874, 1876, 1881-1882, 1884-1885, 1895
      - Analog 1871-1872, 1874, 1876
      - Bench 1873, 1876, 1882, 1894
      - Digital 1867-1869, 1873-1876, 1881-1882, 1884-1886, 1888, 1894-1895
      - Graphical 1888, 1895
    - Panel 1867-1874
    - Process 1867, 1888-1889
    - Pyrometer 1883, 1885, 1887
    - Scope 1882, 1888
    - Sound Level 1883
    - Thermometer 1875-1876, 1884-1887, 1893
  - Oscilloscopes 1879, 1882, 1888, 1898-1899
  - Probes
    - Logic 1879
    - Network Cable 1883
    - Oscilloscope 1879, 1909
  - Programmers, Universal 206, 208
  - Spring Contacts
    - Battery Contacts 1902
    - Probes 1901-1902
    - Receptacles 1901-1902
- **Thermal Cutoffs** 494
- **Thermal Protection** 490-494, 1597-1600
- **Thermistor Kit** 494
- **Thermistors** 490-494
- **Thermometers** 184, 1875-1876, 1883-1887, 1893
- **Thermostats** 1676, 1752
- **Thyristors** 375, 399, 458-462, 499
- **Timers** 255, 261, 263, 265, 281, 1582-1584
- **Tools**
  - Alignment 1920

Product Index

- Brushes 1941, 1954
- Cable Stripper 919, 1003, 1913-1914
- Cable Tie 874-875, 880, 1914
- Calipers 1922
- Chip Lifter 1917, 1920
- Clamps 880, 1875, 1886, 1933
- Cleanroom Products 1943
- Coax Cable Stripper 919, 1003, 1913-1914
- Contact Extraction
  - 7.50mm 1291
  - CPC 1114-1115, 1911
  - D-Sub 1086, 1088, 1098, 1100, 1104
  - DIN 1180
  - KK® Series 1270, 1272
  - MATE-N-LOK 1229, 1231, 1286, 1289-1290, 1911
  - MICRO-FIT 3.0™ 1286
  - MINI-FIT JR.™/SR.™ 1289-1290
  - MR 1234
  - MTE Series 1218
  - Pin and Socket 1153, 1156-1157, 1229, 1231, 1234, 1265, 1286, 1289-1290, 1911
  - SL™ 1267
- Contact Insertion
  - CPC 1115, 1911
  - D-Sub 1086, 1088, 1104
  - DIN 1180
  - KK® Series 1270
  - MATE-N-LOK 1231, 1911
  - MR 1234
  - SL™ 1267
- Crimpers
  - 7.50mm 1291
  - Coaxial 1002, 1025, 1031, 1100, 1153, 1156, 1913-1914
  - CPC 1114-1115, 1117, 1911
  - D-Sub 1086, 1088, 1100, 1102, 1104-1105, 1913-1914
  - DIN 1180
  - IDC 1104-1105, 1266, 1270, 1272, 1307, 1914
  - KK® Series 1270, 1272
  - MATE-N-LOK 1228-1229, 1231, 1286, 1289-1290, 1911
  - MICRO-FIT 1286
  - Mini and Maxi PV 1010, 1027, 1056
  - MINI-FIT JR./SR. 1289-1290
  - Modular 1034-1036, 1056, 1911, 1913-1914
  - MR 1234
  - MTA Series 1911
  - MTE Series 1218
  - Pin and Socket 1153, 1156-1157, 1229, 1231, 1234-1235, 1265-1266, 1286, 1289-1290, 1911-1913
  - RF 1002-1003, 1010, 1017-1018, 1025, 1027-1028, 1031
  - SL™ 1267
  - Solderless Terminal 1307, 1309-1310, 1319, 1321, 1914
- Diagonal Cutters 1915-1916
- Dies 1003, 1010, 1034, 1102, 1911, 1913, 1923
- Drill Bits 1923-1924
- Fuse Pullers 508, 1915
- Heat Guns 1932, 1936
- Hex Tools 1918
- Hooks 1910, 1920, 1922
- IC Extraction 1300, 1920, 1922
- IC Insertion 1920, 1922
- Impact Blades 1922
- Inspection Mirrors 1922
- Keying 1214, 1219, 1224, 1234
- Knives/Blades 1914, 1917, 1919, 1922
- Knurled Nut 1922
- Lead Forming 1915, 1923
- Magnetizer 1917
- Magnifiers 1926
- Microscopes 1926
- Nibbling 1922
- Nutdrivers 1919
- PC Repair Kit 1915
- Pivoting Phillips Drivers 1917
- Pliers 1323, 1914-1915
- Potentiometer Adjustment 1922
- Presses 1925
- Probes 1910, 1922
- Punch Down 1920, 1922
- Punches
  - D-SUB Connector 1923
  - Hole 1923
  - Knockout 1923
  - Panel 1923
- Screwdrivers 1917-1919, 1922
- Seizer Clamps 1933
- Semi-Rigid Assembly 1025
- Sets
  - Drill Bit 1923
  - Nutdriver 1919
  - Screwdriver 1917-1919, 1922
  - Tap and Die Set 1923
- Solder Pots 1934
- Solder/Desolder
  - Accessories/Aids 1321, 1927, 1929-1930, 1932-1934, 1936, 1965
  - Fume Absorbers 1934
  - Guns 1932, 1936
  - Heatsink 1936
  - Irons 1929-1933, 1936
  - Pump 1934, 1936
  - Stations 1929-1931, 1935
  - Tips 1929-1933, 1935-1936
- Staking 1642-1643, 1968
- Strain Relief 1224, 1628, 1636
- Swabs 1941, 1943, 1955
- Tension Gauges 1920
- Termination 1073, 1100
- Torch 1936
- Torque Control 1917
- Trim Trio™ 1153, 1156
- Trimmer Adjustment 601, 603, 1922
- Tweezers 1916, 1929
- Vacuum Cleaner 1947
- Vises 1925
- Wipes 1941-1943
- Wire Strippers 919, 1323, 1914, 1921
- Wire Wrapping 1921
- Wiring Duct 884

Transducers
- Electromagnetic 1607
- Electromechanical 1609, 1613
- Magnetic 1604
- Piezo 1607, 1609, 1613
- Speaker 1607, 1613
- Surface Mount 1609
- Ultrasonic 1604

Transformers
- Audio 870, 1748, 1757
- Autotransformers 1751, 1755
- CCFL 831
- Cold Cathode 831
- Converter 1743
- Current Sense 859, 869, 1757
- Encapsulated 1743
- Energy Limiting 1750
- Filament 1745, 1747-1748
- Fluorescent 831
- Heavy Duty 1749
- I.F 870
- International 1744-1748, 1750-1757
- Isolation 869, 1748, 1751, 1755, 1844
- Low Voltage 1744-1745, 1747
- PC Mount 1743-1745, 1749, 1751, 1753-1755, 1757
- Plug-In 1748-1749, 1751, 1755, 1757
- Power 831, 834, 1743-1757, 1842, 1844, 1897
- Pulse 1743
- Signal 868-870
- Split Bobbin 1744-1745, 1750-1751, 1754
- Step-Up/Step-Down 1751, 1755
- Telecommunications 1757
- Telephone Coupling 1757
- Variable 1749

Transistors (See Semiconductors)

Tubing
- Braid Tubular 886
- Conduit Liquid Tight 892
- CPC/FLEXA 1119
- Fiberglass 887
- Grommeting 878, 883
- Heat Shrink 886-891, 893-896
- Spiral Wrap 878, 883, 887
- Split Loom 883

TVS (See Semiconductors)

U

UPS Systems 1839, 1843-1844

USB
- Connectors 933, 944, 1040-1046, 1048, 1051, 1056-1058, 1071, 1076, 1194
- Host Controllers 40
- Interface 16, 37-40, 206, 265, 279-280

V

Vacuum Cleaner Electronics 1947

Varistor Kit 479

Varistors 479-485, 493

Vibration
- Motors 1613
- Sensors 1656, 1665

Video Amplifiers 994

Voltage
- Detectors 312, 338, 349-350, 1881, 1896
- Reference (See Semiconductors)
- Regulators (See Semiconductors)
- Suppressors 464-476

W

Web Server 7, 41-42, 44-45

Wi-Fi 22, 31, 51, 928

WiPort™ 41-42

Wire and Cable
- Alarm 925
- Analog 920-921, 1896, 1960
- Audio 903, 921-923, 925-926, 937
- Braided Sleeving 883, 886
- Broadcast 921-922, 986, 1020
- Bus Bar 914, 917
- Cable Assemblies
  - AC Power 949-951, 1827-1828
  - Audio 937, 941, 986-987
  - Auto 942
  - BNC 937, 942, 987
  - Cat 5e 936, 1053-1054, 1056-1057, 1059
  - Cat 6 936, 1049, 1057
  - Computer 932, 935, 943
  - DC Power 942
  - D-Sub 935, 943, 1067, 1077-1078, 1082
  - DIN 943
  - DMS-59™ 945
  - DVI 933, 945, 947, 1067
  - Flat Ribbon 900, 932, 943, 1293-1294
  - GPIB 935
  - HDMI 933, 936, 945, 947, 1067
  - High Speed 1063, 1068, 1077-1078
  - IDC 900, 1221
  - IEEE 1394 944, 947, 1042, 1044, 1057
  - M1 945
  - M12 1054, 1057, 1151
  - Mini-D Ribbon 1077-1078
  - Mini-USB 944, 1042, 1045
  - Modular 900, 1044, 1049, 1053, 1056-1057
  - Molded 932, 935-936, 943, 987
  - Patch Cord 941, 987, 1056-1057, 1059, 1900
  - PCI Express 1068
  - Phone 941, 987
  - Phono (RCA) 941
  - Power Cords 949-951, 1731, 1733, 1828
  - RF 934, 937-940, 942-943, 1017, 1025
  - S-VHS 942
  - SCSI 935, 946, 1068, 1070
  - Serial ATA (SATA) 946, 1068-1070
  - Serial Attached SCSI (SAS) 946, 1068, 1070
  - Shrunk D Ribbon (SDR) 1077
  - USB 933, 936, 944, 947, 1042, 1044-1045, 1056-1057
  - Video 937, 942, 1078
  - VHDCI 946
- Cable Clamps/Clips 812, 874, 878, 880, 1089, 1123-1124, 1154, 1189
- Cable Glands 1196, 1620, 1699
- Cable Mounting 874, 876-878, 881, 883, 953, 980, 984, 1059, 1075, 1138-1141, 1146, 1179, 1259, 1968
- Cable Testers 1877, 1883, 1896-1897
- Cable Tie Tools 874-875, 880, 1914
- Cable Ties 873-875, 878-880, 1914
- Camera 919, 925
- Coaxial 903, 918-920, 925, 929, 937
- Communication and Control 817, 904-908, 911-912, 921-926, 1949, 1952
- Computer 918, 924, 927, 929-930, 932, 935, 943, 1075
- Conduit 892
- Data 37, 900, 902, 905, 910, 928, 930, 1052
- Duct 884-885
- Flat IDC Ribbon Cable 897-902, 917, 1105, 1177, 1240, 1243
- Heat Guns 889
- Heat Shrink End Caps 888
- Heat Shrink Tubing 886-891, 893-896
- Heat Shrink Woven Fabric 886, 895
- Hook and Loop Fasteners 873
- Hook-Up Wire 913-916
- Hook-Up Wire Kits 914, 916
- IBM Type 929
- Instrumentation 908, 921-924, 926
- Jumper Wire 1956
- Lacing Cord and Tape 902
- Local Area Network 903, 929
- Magnet 917
- Microphone 903, 921
- Modular Telephone 900, 902
- Multi-Conductor
  - Shielded 899, 904-906, 909-910, 912, 923-930
  - Unshielded 904, 909, 911-912, 922-926, 930
- Multi-Pair
  - Shielded 898-899, 901, 906-909, 921-922, 928-930
  - Unshielded 908, 922, 930
- Plenum 906, 923, 930
- Portable Cordage 928
- Power Cord 921, 926, 942-943, 949-951, 1731, 1733, 1828
- Raceway 885
- Security 925
- Shielding and Bonding 817, 891, 917, 1952
- Sleeves 888, 895, 1921
- Sleeving 883, 886-887
- Speaker 921-922
- Splices 895, 1155, 1913
- SVHS 920, 942
- Telephone 900, 902, 930
- Test Lead 902
- Test Prod 916, 949
- Tubing
  - Braid Tubing 886
  - Conduit 892
  - CPC/FLEXA 1119
  - Fiberglass 887
  - Grommeting 878, 883
  - Harness Wrap 883
  - Heat Shrink 886-891, 893-896
  - Liquid Tight 892, 1637
  - Spiral Wrap 878, 883, 887
  - Split Loom 883
- VFD Cable 908
- Video 903, 919-920, 937
- Wire Markers 873, 875, 880, 882, 888
- Wire Pulling Lubricant 873
- Wire Wrapping Wire 1921
- Wiring Duct 884

Wireless RF Devices 5-7, 9-16, 18, 22-26, 41-42, 47, 52

X

X-Port™ 41-42

XTRA-GUARD 909-912

Z

ZigBee™ 5, 13-19, 25, 28, 51, 184, 307-308

Supplier Index

3

3M™
  Breadboards 1956
  Bumpers 1619
  Cable Assemblies 900, 932, 1070, 1077-1078, 1900
  Cable Ties 873
  Cleaners 1947-1948
  Connectors 896, 1070, 1077-1081, 1160-1161, 1199-1208, 1240, 1307-1308, 1900, 1914
  Electronics Vacuum 1947
  Heat Shrinkable Tubing 896
  IDC Flat Cable 897-900, 1240
  Kits 896, 1078, 1080, 1307, 1944-1948, 1956
  Sockets 1077, 1080-1081, 1160-1161, 1200-1201, 1203-1205, 1207-1208, 1240, 1296-1297, 1956
  Static Control 1945-1948
  Tape 873, 1307-1308, 1622, 1914, 1944-1945, 1948
  Terminals 1307-1308, 1914, 1956
  Test & Measurement 1296-1297, 1900
  Tools 1077, 1081, 1161, 1307, 1900, 1914, 1947
  Wire Identification 873

A

Aavid Thermalloy 1734-1737
Abracon 761, 764-769
Actel 230-231
Adam Tech 1046, 1162, 1209
Adda 1715-1717
Advanced Linear Devices (ALD) 261, 303, 437
AEM Inc. 501
AeroComm 5-7
AIM 1937
AIM/Cambridge 937, 985, 1022-1023
Alcoswitch/Tyco Electronics 1373, 1399-1400, 1433-1435, 1464, 1475, 1614
All Sensors 1659-1660
Alpha
  Encoders 1395
  Potentiometers 573-578
  Switches 1412, 1470, 1480-1481
Alpha Wire
  Coaxial Cable 903
  Communication & Control Cable 904-908, 911-912
  Hook-up Wire & Bus Bar Wire 913-914
  IDC Flat Cable & Modular Cable 902
  Lacing Cord 902
  Local Area Network (LAN) 903
  Test Lead 902
  Tubing 886-891
  XTRA-Guard Control Cable 909-912
ALPS
  Connectors 1163-1164
  Encoders 1393-1395
  Multi-Control Devices 1378, 1395
  Potentiometers 579, 1644
  Sensors 1644, 1656
  Switches 1378-1380, 1389-1390, 1393-1395, 1401, 1465, 1656
Altech
  Circuit Breakers 1592-1594
  Enclosures 1694-1696
  Liquid Tight Strain Reliefs 1620
AME 327
AMP/Tyco Electronics
  4.20mm PE Series 1237
  AMP-Latch Connectors 1212-1213
  AMPLIMITE 1082-1089
  AMPMODU™ Connectors & Headers 1210-1212, 1214-1220
  CAT 5e Assemblies 1053, 1056
  CHAMP® 1090
  Circular Connectors 1053, 1114-1119, 1145
  D-Sub Connectors 1082-1088
  DIN 41612 1167
  Free Height 1166, 1236
  Fiber Optic 1072-1073
  Hard Metric 1166, 1169
  I/O 933, 1064, 1090, 1166, 1168-1169
  Industrial Ethernet 1053
  Mate-N-Lok 1227-1232, 1911
  Mictor 1165
  Mini-DIN 1145
  Miniature Rectangular Connectors 1234
  Modular Connectors 1033-1034
  MTA Connectors 1221-1226, 1911
  PC/104 and PC/104-Plus 1168
  PCI 1165, 1169
  PCI Express 1165
  Pin and Socket Connectors 1168, 1227, 1229-1235, 1237, 1911
  Power Connectors 1115, 1117, 1166, 1185-1187, 1237
  Power Lock Connectors 1186
  RF Connectors 999-1004
  Sockets 1300
  Terminals 815, 1309-1311
  Terminal Blocks 1324
  Tools 934, 1002-1003, 1034, 1056, 1073, 1086, 1088, 1114-1115, 1117-1118, 1186, 1214-1215, 1217-1219, 1224, 1228-1229, 1231-1235, 1237, 1300, 1309-1310, 1911
  USB Connectors 933, 1056
  Z-Pack 1169
Amphenol
  38999 Type Connectors 1130
  44 Series Connectors 1136
  97 Series Connectors 1120-1124
  Amphe-PPM Push/Pull 1133
  Between Series Adapters 1005-1006, 1011
  C091A/D Series Connectors 1135
  Cable 901
  Circular DIN Connectors 1134-1136
  Circular Industrial Connectors 1120-1137
  D-Sub Connectors 1048, 1091-1092
  ELFH Headers 1325
  Ethernet Connectors 1047
  I/O Connectors 1061-1062
  Industrial Ethernet, USB, & IEEE 1047-1048, 1052
  MIL-C-26482 Type Connectors 1126-1129
  MIL-C-5015 Type Connectors 1120-1122, 1125
  Modular Jacks 1035
  PT Series Connectors 1126-1128
  RADSOK® 1131-1132
  Rectangular Power 1188
  RF Connectors/Tools 1005-1018
  Smart Card Connectors 1170
  Terminal Blocks, Flexiplug® 1325
Amprobe 1875
AMSECO 1472, 1601, 1749
Amulet Technologies 60
Analogic Technologies 328
Antenova 8
APC 1839
API Delevan 819-821
APEM 1381, 1402, 1435, 1450, 1489, 1495
APM Hexseal 1494, 1621
Applied Motion 1585-1586
Artesyn Technologies 1758-1760, 1787
Arcol 550-551
Aries 786, 1298-1299
Astec 1788, 1818
Atmel 162-164, 176, 209-210, 777
Ault/SL Power 1819-1821
Autotrol 1587
Avago Technologies 73, 82, 86-88, 140-141, 304, 372
Avery Dennison 874
AVX
  Capacitors
    Ceramic 639-651, 690-693
    Feed Through 639-640
    Film 707-709
    Niobium Oxide 731
    Supercapacitors 731
    Tantalum 731-734, 749
  Card Readers and Connectors 1171
  Ceramic Resonators 770
  Circuit Protection 479
  Connectors
    DIN 1171
    I/O 1238
    IDC 1238
  Kits 479, 648, 651, 709
  MOVs 479
  Oscillators 771
  TVSs 464-465
Axicom/Tyco Electronics 1505-1506

B

BI Technologies 598
B&K Precision
  Programmers 206
  Test Equipment 1853, 1876-1880
BEI Duncan 1396, 1645
Belden
  Audio 921-923, 925-926
  Cable Assemblies 935
  Coax Cable 918-920, 925, 929, 1020
  Computer Cable 918, 924, 927, 929-930, 935
  Control & Instrumentation Cable 921-926
  Fiber Optics 931
  Flat Cable 917
  Hook-up Wire 915-916
  LAN 929
  Magnet & Bus Bar Wire 917
  Multi-Conductor Cable 922-930
  Portable Cordage 928
  Telephone & Data Cables 929-930
Bellin 1958
BiSonic 1718
Bomar Interconnect 1019-1021
Bourns
  Circuit Protection 456-457, 486-487, 495
  Dials 568
  Diodes 373
  Encoders 1397
  Gas Discharge Tubes 486-487
  Inductors 822-829
  Modular Contacts 1860
  Power Resistors 540, 552
  Resettable Fuses 495
  Resistor Networks and Arrays 519-521
  Resistors 519-521, 540, 552
  Switches 373, 1397, 1489
  Trimmers/Pots 567-568, 580-582, 585-590, 599-601
BPS 1959
Buchanan/Tyco Electronics 1326-1328
Bud 1669-1674, 1679-1682, 1697-1701
Bulgin
  AC Power Inlets/Outlets 953-954
  Battery Holders 1861
  Bluetooth 1058
  CAT 5e 1059
  Firewire 1059
  Switches 1403
  USB 1058
  Water Proof Connectors 1138-1141

C

C&D Technologies
  DC-DC Converters 1761-1774
  Inductors 830, 835
  Power Supplies 1761-1774, 1789
  Transformers 1743
C&K 1404-1405, 1436-1437, 1453, 1466-1467, 1476, 1482, 1489
Caddock 553-554
California Eastern Laboratories (CEL)
  Optoelectronics 149-151
  RF and Microwave 305-308
  Transistors 149-151, 413-415
Cambridge Products 937, 985, 1022-1023
Carling Technologies
  Circuit Breakers 1595-1596
  Switches 1406, 1438, 1450-1452
Catalyst
  DC-DC Analog Converters 263
  Digital Pots 262
  Memory 211-214
  White LED Drivers 79
Central Semiconductor 374-375, 416-417
Cherry Electrical
  Keyboards & Peripherals 1591
  Sensors 1646
  Switches 1364-1368, 1381, 1454, 1492
Chicago Miniature 81-82, 89-96
Chipcon 9-14
CII (Continental Industries International) 1535-1536
Cinch 1093-1094, 1189, 1239, 1329
Cincon
  AC Adapters 1822-1823
  DC-DC Converters 1775-1780
  Power Supplies 1790-1791, 1822-1823
Circuit Works 1943
Cirronet 15
Citizen 762, 772-776
Clare 1537
Coiltronics 831-834
Comair Rotron 1719-1722, 1738
Condor/SL Power 1792-1798
Conec 1074, 1095-1096
Connect One 31
Conxall/Switchcraft 1142-1143
Cooper Tools 1914-1915, 1919, 1922
Cooper/Bussmann 502-506
Corcom/Tyco Electronics
  Power Entry Modules 957-958, 1831
  RFI/EMI Filters 957-958, 1831-1833
Cornell Dubilier
  Aluminum Electrolytics 604, 609, 614-617, 621
  Ceramic Capacitors 699
  Film Capacitors 710-713
  Mica Capacitors 728-729
  Polymer Aluminum 609
  Snubber Capacitors 712
  Supercapacitors 621
COTO 1473, 1530-1532
Crouzet 1538-1539
Crydom 1540-1547
CSB 1848, 1852
Crystek Corporation 777-783
CW Industries 1455, 1468
Cypress 165-167

D

Dale (See Vishay)
Dantona 1851
Datel
  DC-DC Converters 1770-1774
  Panel Meters 1867-1869
Davies Molding 1615
Deltron
  Die Cast Aluminum Boxes 1693
  Din Connectors 983-984
  Phono Connectors 983
  Punches 1923
  XLR Connectors 984
Desco 1949-1950, 1952
Dialight 81, 97-104
Digi International 32-36
Digisound 1601
Diode Laser Concepts (DLC) 142
Diodes Inc.
  Diodes and Rectifiers 329-331, 376-383
  Power Management 329-331
  Transistors 418
  Voltage Regulators 331
DLP Design 16, 37-39
Duracell 1848-1849

E

E-Switch 1363, 1383-1384, 1407-1408, 1439, 1456, 1468
Eagle Plastic Devices
  Battery Holders 1862-1864
  Battery Snaps 1864-1865
  Cable Mounting Hardware 876-878, 1968
  Cable Ties 875, 878, 1914
  Cases 1691-1693
  Copper Clad Boards 1692
  Fuse Holders 507-508
  Hardware 876-878, 1616-1617, 1622-1631, 1963, 1968
  Hole Plugs 1625
  Installation Tool 875
  Kits 507, 878, 1630, 1968
  Knobs 1616-1617
  Mounting Hardware 876-878, 1968
  Spacers 1624, 1630, 1968
  Strain Relief 1628
  Tools 508, 875, 1036, 1627-1628, 1914-1915, 1922, 1936, 1968
EBM Industries 1723-1728
ECS 784-788
Ecliptek 763
EDAC 1044, 1060, 1172-1173
EETools 207
Electronic Modules/Tyco Electronics 30, 1785
Electroswitch 1398, 1408, 1439, 1483-1486
Elna 622
Elpac 1799-1800, 1824-1825
Energizer 1848-1850, 1857-1858
EnerSys 1853
Enpirion 332
EPCOS 714-717, 836-837
EPSON 61
Erem 1916
Esico-Triton 1934
ETA-USA 1781-1782, 1801
ETI Systems 569-571
Eupec 390
Everlight 105-109, 143-144
Evox Rifa 718
Extech 1881-1883

Supplier Index

F

- **Fair-Rite** 794-795
- **Fairchild Semiconductor**
  - Circuit Protection 466
  - Diodes 147, 384-386, 466
  - Interface 146, 264-265
  - Logic 239-245
  - MOSFETs 438-442
  - Operational Amplifiers 309
  - Optoelectronics 145-147
  - Power Management 333-335
  - Rectifiers 387-389
  - Transistors 145, 147, 419-423
- **Fascomp** 1632
- **Fastron** 838-839
- **FCI**
  - 1mm/2mm Connectors 1175, 1177, 1243, 1246
  - AirMax VS® 1175
  - Bergcon Connectors 1241, 1247
  - BergStak® 1244
  - BergStik™ 1249
  - Component Sockets 1301
  - DDR2 1174
  - DIN 41612 1177
  - Dubox™ 1245
  - Flat Cable Connectors 1177, 1242-1244
  - GIG-Array® 1248
  - HDMI 1071
  - Headers 1174-1175, 1177, 1242-1243, 1245-1246, 1249
  - Jumpers/Shunts 1246-1247
  - MEG-Array® 1248
  - Metral® 1175
  - Micro TCA D-Subs (μTCA) 1097
  - Mixed Power D-Subs 1097
  - Modular Jacks 1035
  - PCI Express™ 1177
  - PCMCIA 1174
  - PLCC Sockets 1301
  - Power Card Edge 1176
  - Quickie 1242-1243
  - SAS 1071
  - Serial ATA 1071
  - Smart Card 1174
  - USB 1071
- **FCT** 1098-1101
- **Ferrishield** 796-800
- **Flexipanel LTD** 17
- **Fluke** 1884-1893
- **FOX** 762, 789-790
- **Freescale** 18, 168-175, 266, 1661-1663
- **FTDI** 37, 40
- **Fujitsu**
  - Automotive Relays 1528
  - Connectors 1063
  - DC-DC Converters 1783
  - Display Controllers 62
  - LCD Displays 62
  - Relays
    - Power 1514-1515, 1528
    - Signal 1507-1508
  - Thermal Printers 1588

G

- **General Semiconductor** (See Vishay Semiconductor)
- **Global Specialties** 1894, 1960
- **Golden Power** 1848-1849
- **Gore** 801, 1159
- **Gowanda** 840
- **GP Batteries** 1848-1850, 1858
- **Greenlee** 1923-1924

H

- **Hammond**
  - Enclosures 1675-1677, 1683-1690, 1702-1709
  - Transformers 1744-1748
- **Hantronix** 63-64
- **HARTING**
  - 2mm Hard Metric 1181
  - AdvancedMC™ for μTCA™ & ATCA® 1075
  - D-Sub 1102-1103, 1194
  - DIN 41612 1178-1180
  - Industrial Ethernet 1054-1055
  - Industrial Han 1054, 1190-1196
  - SCSI 1075
- **Harwin** 1250-1255, 1633
- **Helicomm** 28
- **Heyco**
  - Conduit and Fittings 892
  - Hardware 1634-1637
- **Horn** 1602

I

- **IDI** 1901-1902
- **Integrated Silicon Solutions Inc. (ISSI)** 215-216
- **International Power** 1802
- **IRC / TTelectronics** 526-527, 541
- **Isotip** 889, 1936
- **ITW Chemtronics** 1943
- **ITW Switches** 1409-1411

J

- **JAE** 1060, 1144, 1256-1260
- **Jewell** 1870
- **JKL Components** 110-111
- **Johnson Components**
  - Banana/Tip Plugs and Jacks 997
  - Binding Posts 997
  - RF Cable Assemblies 938-940
  - RF Connectors 1024-1028
- **J.W. Miller** 824-829

K

- **Keil Software** 176
- **KEMET**
  - Aluminum Organic 610
  - Ceramic Capacitors 653-664, 694-698
  - Kits 655-656, 664
  - Inductors 841-843
  - Polymer Capacitors 610, 736-737
  - Tantalum Capacitors 735-736, 738-743, 750-752, 755
  - Wet Tantalum 755
- **Kester** 1938
- **Keystone**
  - Battery Holders 1866
  - Bumpers 1619
  - Fuse Holders 509
  - Handles & Brackets 1640, 1963
  - Hardware 1619, 1622, 1638-1643, 1963
  - Mounting Kits 1306, 1968
  - Standoffs Spacers 1619, 1641-1643, 1968
  - Terminals 1312-1313, 1643
  - Tools 1642-1643, 1968
  - Transistor Sockets 1306, 1968
- **Kingbright** 74-75, 112-117, 1969
- **KOA Speer** 522, 528-532, 542-543
- **Kobiconn**
  - 12VDC Jacks and Plugs 942
  - AC Power Cords 951
  - AC Power Inlets/Outlets 952-953
  - Adapters 941, 943, 1029
  - Alligator Clips / Battery Clips 1903
  - Banana Plugs/Jacks 996
  - Binding Post 996
  - Cable Assemblies 900, 941-943, 951, 1042
  - Connectors 941-942, 951-953, 970-972, 977-980, 996, 1029, 1036, 1042, 1104-1105, 1145, 1177, 1240, 1301, 1315, 1330-1331
  - Data Cable 900, 1042
  - Gender Changers 1105
  - IDC Ribbon Cable 900
  - Jumpers 1240, 1903
  - PLCC Sockets 1301
  - Power Cords 951, 970
  - Terminal Blocks 1314, 1330-1331
  - Terminals 1315
  - Test Connectors 1314, 1903
  - Test Leads and Clips 1314, 1903
  - Test Points 1314
- **Kobitone**
  - Audible Signal Devices 1603-1604
  - Earphones 1602
  - Microphone Elements 1602
  - Speakers 1603, 1605
  - Transducers 1604
- **Kycon**
  - Audio Jacks 974, 1969
  - D-Sub Connectors 1106
  - DC Power Connectors 973, 1969
  - DIN Connectors 1146
  - IEEE1394 Connectors 1040
  - Modular Connectors 1039-1040, 1969
  - USB Connectors 1040-1041

L

- **Laird Technologies** 802-804
- **Lamina** 84
- **Lantronix** 41-42
- **Lattice** 232-236, 268
- **LedEngin** 82
- **LEMO** 1147-1150
- **Lite-On** 76-77, 83, 118-121, 148
- **Littelfuse**
  - Circuit Protection 458-460
  - Fuses/Fuse Holders 496, 510-518, 1969
  - Gas Plasma Arresters 488
  - Resettable Fuses 496, 516
  - TVSs 467-469
  - Varistors 480-482
- **LMB** 1691-1692
- **Lorlin** 1411, 1487, 1490
- **Luminary Micro** 177
- **Luna Labs** 245
- **LUXO** 1926
- **Lumex** 65, 78, 83, 122-129

M

- **Magnecraft** 1516-1517, 1533, 1548, 1558-1562
- **Mallory** (See Cornell Dubilier)
- **Mallory Sonalert** 1606-1608
- **MathStar** 237
- **Matrix Orbital** 66
- **Maxstream** 19
- **MCC** 391
- **Mean Well** 1803-1805
- **Meder** 1658
- **Megger** 1895-1897
- **MemTech** 217
- **Menda** 1951
- **MG Chemicals** 1705, 1707, 1709, 1953-1955
- **Microchip**
  - Amplifiers 310
  - Analog ICs 269-270
  - Development Kits 183-184, 269
  - Memory 218-219
  - Microcontrollers 178-182
  - Power Management 337-338
- **Micro Switch** 1370-1371
- **Microtips Technology** 67-68
- **Mill-Max**
  - Component Sockets 1261-1263, 1302-1305
  - Interconnects 1261-1264
  - USB Connectors 1042
- **Molex**
  - 1.25mm 1277
  - 2mm Milli-Grid Connectors 1284-1285
  - Cable Assemblies
    - DMS-59™ 945
    - M1 945
    - On-The-Go 944, 1045
    - Serial Attached SCSI (SAS) 946, 1068
    - VHDCI 946
  - DIMM Sockets 1184
  - Disk Drive 1291
  - DVI 945, 1067
  - EBBI™ 1281
  - FastJunction 1318
  - FFC/FPC Connectors & Jumpers 1293-1294
  - HandyLink™ 1065
  - HDMI 945, 1067
  - Industrial Ethernet 1056
  - iPass™ 1068
  - I-Trac™ 1182
  - KK® Series 1270-1273
  - LFH™ 1281
  - Memory Card Connectors 1184
  - Mezzanine 1275
  - MFB™ 1183
  - MicroBlade 1279
  - MicroClasp™ Connectors 1282
  - Micro-D 1105
  - Micro-Fit Connectors 1286-1287
  - Mini-Fit Connectors 1288-1290
  - Modular Jacks 1037
  - MX150L™ 1292
  - MZP™ 1183
  - PCI Express® 1068, 1184
  - PicoBlade™ 1277
  - Pico-Clasp 1276
  - Pico-SPOX™ 1278
  - Pin and Socket Connectors 1265-1266, 1286-1290, 1912
  - Power Connectors 1197-1198, 1288-1290
  - RF Connectors 1030
  - Sabre Connectors 1291
  - Sealed Connectors 1292
  - Serial ATA (SATA) 946, 1068-1069
  - SFP 1066
  - Sherlock™ 1283
  - SL and C-Grid Connectors 1267-1269
  - SlimStack™ 1274
  - Terminal Blocks 1332-1336
  - Terminals 1316-1319
  - Triad™ 1066
  - Tools 1056, 1105, 1182, 1265-1267, 1270, 1272, 1276-1280, 1282, 1284, 1286, 1289-1292, 1319, 1912
  - Ultra+™ VHDCI 1065
  - USB 944, 1045
  - WireRite Kit 1318
- **Mountain Switch**
  - DIP/SIP Switches 1477-1478, 1491
  - Hook and Leaf Switches 1368
  - Pushbutton Switches 1412-1414
  - Pushwheel 1493
  - Rocker Switches 1457-1460
  - Rotary Switches 1491
  - Slide Switches 1469-1470
  - Snap Switches 1368-1369
  - Tactile Switches & Caps 1385-1387
  - Thumbwheel 1493
  - Tilt Switches 1474
  - Toggle Switches 1440-1445
- **MSI Sensors** 1664-1665
- **Mueller Electric** 1904-1905
- **Multi-Tech Systems** 43
- **Murata**
  - Ceramic
    - Capacitors 665-678, 700-702
    - Resonators 791
  - Ferrite Beads / Inductors 805-809, 844-848
  - Thermistors 490
  - Trimmer
    - Capacitors 757
    - Potentiometers 591-593

N

- **NEC Electronics America** 339-340
- **NEC-TOKIN** 623
- **NetBurner** 44-45
- **Neutrik** 975, 991-994, 1043
- **Nichicon** 605-606, 624-629
- **NJR** 79, 271, 311-312, 336
- **NKK** 1388, 1415-1422, 1446-1449, 1461-1462, 1471, 1488, 1495
- **NorComp** 1107-1111

O

- **OEG/Tyco Electronics** 1523-1525, 1534, 1570
- **Ohmite** 555-563, 566
- **OK Industries** 1920-1921, 1934
- **OK International** 1927-1928
- **Oki Semiconductor** 28, 185
- **Omron**
  - Connectors 1295, 1806
  - Controllers 1579-1580
  - Counters & Tachometers 1581-1582
  - Fiber Optic Amplifiers 1654
  - Power Supplies 1806-1807
  - Relays 1500, 1511-1513, 1518-1522, 1529, 1550-1552, 1563-1569
  - Sensors 271, 1647-1656, 1666
  - Switches 1372-1377, 1381-1382, 1392, 1423-1428, 1479, 1490, 1493, 1496-1500, 1655-1656
  - Timers 1582-1584
- **ON Semiconductors**
  - Amplifiers 247-249, 313
  - Analog ICs 272
  - Circuit Protection 461, 470
  - Diodes 392, 394-395
  - Logic 246-249
  - MOSFETs 249, 443-444
  - Power Management 272, 341-346
  - Rectifiers 393
  - Transistors 424-428
  - TVSs 470
- **OncQue** 1474

Supplier Index

- **Optek Technology** 81, 83, 130, 152
- **Optrex** 69
- **Orion Fans** 1729-1731

P

- **Pacific Silicon Sensor** 153
- **PacTec®** 1710
- **Panasonic** 1848, 1853, 1856
- **Panavise** 1925
- **Panduit**
  - Cable Mounts, Ties, Tools 879-881, 883-884
  - Ferrules 1322
  - Grommet Edging 883
  - Power 1321
  - Spiral Wrap 883
  - Split Harness 883
  - Terminals & Lugs 1320-1322
  - Tools 880, 884, 1321-1322
  - Tubing 883-884, 889
  - Wire Identification 882
  - Wiring Duct 884
- **Parallax** 46-47, 186
- **Pericom** 273-274
- **Phihong**
  - AC Adapters 1826-1829
  - Switching Power Supplies 1808, 1826-1829
- **Phoenix Contact**
  - CLIPLINE 1353-1356
  - D-Sub Connectors 1112
  - DC-DC Converters 1810
  - DIN Rail
    - Circuit Breakers 1597
    - Power Supplies 1809-1810
    - Relays 1576-1577
    - Terminal Blocks 1351-1355, 1357-1360, 1597, 1711, 1809
  - Ferrules 1323
  - FL Com Server 20
  - Industrial Ethernet, USB, & FireWire 1057
  - M12/M8 Connectors 1151
  - ME MAX Electronic Housings 1711
  - Pluggable Terminal Blocks 1340-1350, 1353
  - Sensor/Actuator Boxes 1152
  - Signal Conditioners 1810
  - SPEEDCON 1152
  - Surge Protection Devices 1810, 1840
  - Terminal Blocks 1323, 1337-1360, 1597, 1809
  - Wireless I/O Systems 20
- **Piher**
  - Encoders 1397
  - Position Sensors 1644
  - Trimmers/Pots 583, 594-595, 1397
- **Plato** 1915, 1934-1935
- **PLX Technology** 275-276
- **Pomona**
  - Audio Connectors 986-988, 1032
  - RF Connectors 1031-1032
  - Test Leads, Probes, and Accessories 1906-1907, 1909
  - Test Clips and Accessories 1906-1909
- **Potter & Brumfield/Tyco Electronics** 1506, 1526-1527, 1529, 1534, 1553, 1570-1575, 1598-1599
- **Power-Sonic** 1848, 1850, 1852
- **Power Integrations** 347-348
- **Power Systems/Tyco Electronics** 1784-1785
- **Projects Unlimited** 1609-1613
- **Protek** 1898-1899
- **Protektive Pak** 1950
- **PSP** 1956-1957
- **Pulse** 849-850, 868-869, 1038

Q

- **Quatech** 21
- **Qualtek** 893, 947-948, 955-956, 968-969, 1718, 1732-1733
- **Quickfilter** 265

R

- **Rabbit Semiconductor** 22, 48-52, 54-59
- **Radiotronix** 23-25
- **Ramtron** 187, 220
- **Raychem/Tyco Electronics**
  - Fuses 497-500
  - Gas Discharge Tubes 489
  - Heat Shrink 894-895
  - Metal Oxide Varistors 483-484
- **Re'an** 1618
- **Rectron** 396
- **Renata** 1857-1858
- **RF Monolithics** 26
- **Roederstein** (See Vishay)

S

- **Sargent Quality Tools** 1913
- **Sanyo** 1848, 1850, 1857-1858
- **Schaffner**
  - EMI Filters 959, 1834-1837
  - Power Entry Modules 959
  - Power Line Filters 1834-1837
- **SchmartBoard** 1961
- **Schrack/Tyco Electronics** 1525, 1570
- **Schurter** 854, 960-967, 1429-1430, 1600, 1838
- **Seiko Instruments**
  - Memory 221
  - Power Management 349-354
  - Thermal Printers 1589-1590
- **Seoul Semiconductor** 83, 85
- **Serpac** 1712-1714
- **Sfernice** (See Vishay)
- **Sharp**
  - LCDs 70
  - Memory 222
  - Optocomponents 154-155
  - Solid State Relays 1554
  - Voltage Regulators 354-356
- **Shin Chin** 138-139, 1431-1432, 1445, 1460, 1463, 1470
- **Shindengen** 397-399
- **Silex** 53
- **Silicon Labs** 28, 188-190, 277-278
- **Siliconix** (See Vishay)
- **Silvertronic** 1910
- **Simpson**
  - Panel Meters 1871-1874
  - Test Equipment 1874
- **SkyeTek** 27
- **SL Power**
  - Ault (See Ault/SL Power
  - Condor (See Condor/SL Power)
- **SMSC** 279
- **Soder-Wick** 1943
- **Sola/Hevi-Duty**
  - Power Supplies
    - Linear 1811-1812, 1815
    - Switching 1812-1815
  - Power Protection 1841-1843
  - UPS 1843
- **Song Chuan** 1578
- **Souriau** 1153-1157
- **Spectrol** (See Vishay)
- **Spectrum Control** 810, 1076, 1113
- **SPI Westek** 1952
- **Sprague** (See Vishay)
- **Sprague Goodman** 758-759
- **SST** 191, 222-224
- **Staco** 1749
- **Stancor** 1750-1752
- **STEC** 225
- **Steward** 811-814
- **STMicroelectronics**
  - Analog 280-284, 314-318, 357-358, 360-364
  - Circuit Protection 462-463, 471-472
  - Development Tools 192, 194
  - Diodes 463, 471-472
  - Logic 238, 250-252, 446, 462
  - Memory 226-229, 238
  - Microcontrollers 192-194, 283
  - MOSFETs 281, 445-446
  - Operational Amplifiers 314-318
  - Power Management 357-364
  - Programmable System Devices 238
  - Rectifiers 400-401
  - Transistors 429-430, 445-446
  - Voltage Regulators 359-364
- **Sumida** 851-853
- **Sunbrite** 131
- **Supertex**
  - Analog 285-289
  - MOSFET Drivers 286
  - MOSFETs 447-448
  - Opto Drivers 79-80, 288-289
- **Switchcraft**
  - Connectors
    - Circular DIN 989
    - EN3 Weathertight 1158
    - XLR 989-990
  - Plugs and Jacks
    - DC Power 982
    - Phone 976, 981-982
- **Syfer** 679, 815

T

- **Tadiran** 1855
- **Taiwan Semiconductor** 267, 402-404
- **Taiyo Yuden** (See Tamura)
- **Tamura**
  - Current Sensors 1657
  - Power Supplies 1816
  - Transformers 1753
- **TAOS** 156
- **TDK**
  - Ceramic Capacitors 680-683
  - Inductors 816-817, 855-858
- **Teccor** (See Littelfuse)
- **Techspray** 1939-1942
- **TEK** 29
- **Teledyne** 1501-1504, 1555-1556
- **Texas Instruments**
  - Amplifiers 319-326
  - Analog ICs 290-294, 326
  - Comparators 367
  - Converters 290-291, 367
  - Interface 293-294
  - Logic 253-260
  - Microcontrollers
    - ARM7 196
    - Digital Signal 196
    - MSP430 195-196
  - Operational Amplifiers 319-324
  - Power Management 365-369
  - Touch Screen Controllers 67, 79, 293
  - Voltage Regulators 365-366
- **THAT Corporation** 295-296
- **Thermometrics** 491
- **Triad Magnetics**
  - AC Adapters 1829
  - Inductors 859
  - Power Supplies 1817
  - Transformers 859, 1754-1757
- **Tripp Lite** 1844-1845
- **Twin Industries** 1962-1963
- **Tyco Electronics**
  - Alcoswitch (See Alcoswitch/Tyco Electronics)
  - AMP (See Amp/Tyco Electronics)
  - Axicom (See Axicom/Tyco Electronics)
  - Buchanan (See Buchanan/Tyco Electronics)
  - Citec (See Citec/Tyco Electronics)
  - Corcom (See Corcom/Tyco Electronics)
  - Electronic Modules (See Electronic Modules/Tyco Electronics)
  - OEG (See OEG/Tyco Electronics)
  - Potter & Brumfield (See Potter & Brumfield/Tyco Electronics)
  - Power Systems (See Power Systems/Tyco Electronics)
  - Raychem (See Raychem/Tyco Electronics)
  - Schrack (See Schrack/Tyco Electronics)

U

- **Ultralife** 1848, 1859
- **United Chemi-Con** 607-608, 611-612, 618, 622

V

- **Varitronix** 71
- **Varta Microbattery** 1848, 1854, 1859
- **VCC** 134-137
- **Vector** 1678, 1964-1965
- **Vishay**
  - Beyschlag 492
  - BC Components
    - Resistors 547
    - Varistors 485, 493
  - Dale
    - Crystals/Oscillators 792-793
    - Displays 72
    - Ferrite Beads 818
    - Inductors 860-865
    - Resistor Networks 525
    - Resistors 533-537, 544-546, 565
    - Thermistors 492-493
  - Integrated Products 1786
  - Roederstein 703, 719-720
  - Sfernice 524, 538, 546, 564-565, 572, 584, 596-597, 602-603
  - Siliconix
    - Analog Switches 297-298
    - Diodes 411
    - Drivers 370
    - MOSFETs 370, 432, 449-453
    - Multiplexers 297
    - Transistors 431-432, 449-453
  - Spectrol 583, 597, 603, 1644, 1922
  - Sprague
    - Aluminum Capacitors 613, 619, 630-632
    - Ceramic Capacitors 703-704
    - Film Capacitors 721-722
    - Silicon Capacitors 730
    - Tantalum Capacitors 744-748, 753-754, 756
    - Thin Film 492, 523-524, 534, 538
    - Wet Tantalum 756
  - Vishay Semiconductors
    - Circuit Protection 473-476
    - Diodes 405-407, 473-476
    - LEDs 132-133
    - Optoelectronics 157-161
    - Rectifiers 408-410
  - Vitramon 684-688
- **Volex** 949-950

W

- **Wahl** 1936
- **Wakefield** 1739-1740
- **Weller** 889, 1929-1933
- **Wickmann** (See Littelfuse)
- **WIHA** 1915-1918, 1922
- **Wima** 723-724
- **Wiremold**
  - Power Protection & Distribution 885, 1846-1847
  - Wire & Cable Management 885
- **Wolfson** 299-300

X

- **Xcelite** 1914-1915, 1919, 1922, 1933
- **Xeltek** 208
- **Xicon**
  - AC Adapters 1830
  - Antennas 867
  - Capacitors
    - Aluminum 620, 633-638
    - Ceramic 689, 705-706, 760
    - Film 725-727
    - Trimmer 760
  - Ferrite Beads / Inductors 866-867
  - Gas Tube Surge Arrestors 494
  - Kits 494, 549, 638, 727
  - Lamps & Indicators 138-139
  - Potentiometers 575
  - Resistor Networks 525
  - Resistors 539, 548-549
  - Thermal Cutoffs 494
  - Thermistors 494
  - Transformers 139, 870, 1749

Y

- **Yageo** 867

Z

- **Zetex**
  - Analog ICs 301-302
  - Diodes and Rectifers 412
  - MOSFETs 454-455
  - Opto Drivers 79, 301
  - Power Management 371
  - Transistors 433-436
- **Zilog** 197-205

How to Order from Mouser Electronics

By Phone:

(800) 346-6873

(817) 804-3888
Open Monday - Friday
7AM - 8PM CST

Online Ordering:

www.mouser.com

NOW AVAILABLE

Online Technical Assistance and Customer Service.

- *Click on Live Help in the Upper Navigation Bar of Mouser.com*

By E-mail: orders@mouser.com

By Fax: (817) 804-3899

By Mail: **Mouser Electronics**
1000 N. Main Street
Mansfield, TX 76063

Branch Locations

California
1810 Gillespie Way Ste. 101
El Cajon, CA 92020
(800) 346-6873
Fax: (619) 449-6041

New Jersey
382 Rt 46 Ste. 1 & 2
Budd Lake, NJ 07828
(800) 346-6873
Fax: (973) 448-3753

Educational Sales & Service

For assistance with bids, quotes, and ordering information, e-mail us at edusales@mouser.com or call (800) 298-5076.

Export Policy

Mouser exports to over 170 countries.
Visit www.mouser.com/terms for details and restrictions.

Export Orders Contact Information

USA: (817) 804-3848 sales@mouser.com
Canada: (800) 346-6873 canadasales@mouser.com
Europe: (817) 804-3848 eusales@mouser.com
Asia/Australia: (65) 6788-9233 asiasales@mouser.com
Hong Kong: +852 3658-4750 hongkong@mouser.com
China, Shanghai: (86) 21-54866084 china.shanghai@mouser.com
Latin America: (817) 804-3635 latinsales@mouser.com
(Mouser tiene representantes bilingues.)

Write: 1000 North Main Street
Mansfield, TX 76063

Fax: (817) 804-3898

Export Shipping Costs

To estimate your freight charges, go to our website at http://www.mouser.com/estimateshipping

Non-Catalog Items

Can't find exactly what you need? Mouser has over 860,000 products available online at **www.mouser.com** for easy purchase!

Who Can Order?

Mouser customers include businesses, schools, agencies, and individuals.

NO Minimum Order!

There are NO minimum order requirements for products in this catalog.

Backorders

We stock all products listed in our catalog. If our inventory is depleted on a specific item, we will backorder and ship as soon as it is available.

Order Forms

An order form is not necessary. If you prefer to use an order form, visit **www.mouser.com/help** and click on the Mail/Fax order form link to easily download.

Same-Day Shipment

Same-day shipment on all FedEx & UPS Ground or Air services is available on most orders received in our warehouse prior to 8 PM CST. (Cut-off time on most other shipping service options is 3 PM CST.)

You will be notified for any reason if your order cannot ship the same day.

SAME-DAY SHIPPING

Shipping Costs

You only pay actual shipping costs based on the carriers' rates when your order is shipped by UPS or FedEx. Mouser does **not** add any handling fees to shipping charges.

Backorder Shipping

If more than one shipment is necessary to complete your order, Mouser will pay for the first pound of shipping on UPS Ground or FedEx Ground orders shipped within the United States.

Net 30

Available to businesses, schools, and agencies. Also available for same-day shipment, even on first orders. Shipping costs are added to your invoice.

Credit Cards

Major credit cards, all purchasing, and major bank debit cards are accepted. Shipping costs are added to your invoice.

VISA
MASTERCARD
NOVUS
AMERICAN EXPRESS
AMERICAN EXPRESS PURCHASING CARD
DINERS CLUB

Prepaid - North America

Check or money order. Add $12.00 for shipping and handling for orders up to 4 pounds.

Prepaid - Outside North America

Check or international money order. Add $22.00 for shipping and handling for orders up to 4 pounds.

EFT / Wire Transfers

Go to **www.mouser.com/help**

Scheduled Orders

We will schedule shipments to you up to one year in advance. Each item must be ordered for release in standard pack quantities only, minimum $50 per release shipment.

Returns

Please contact a Mouser Service Representative to obtain a return authorization number. Returns are normally accepted when completed within 30 days of ship date. (90 days, if product is defective.)

Return Address

All returns must be shipped to:
Mouser Electronics
1000 North Main Street
Mansfield, TX 76063

Incorrect Orders

Please notify a Mouser Service Representative of any incorrect order within 30 days of ship date. We will immediately correct any error.

Mouser's Limited Warranty

Mouser agrees to transfer to Customer, whatever transferable warranties Mouser receives from the manufacturer of products sold to Customer. Mouser makes no other warranty, express or implied, with respect to the Products. IN PARTICULAR, MOUSER MAKES NO WARRANTY RESPECTING THE MERCHANTABILITY OF THE PRODUCTS OR THEIR SUITABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR USE OR RESPECTING INFRINGEMENT. Mouser's liability arising out of any sale of products to Customer is expressly limited to either (1) Refund of the purchase price paid by Customer for such products (without interest), or (2) Repair and/or replacement of such products, at Mouser's election, and such remedies shall be exclusive and in lieu of all others. Customer must notify Mouser within 90 days from date of shipment of any defective product. This warranty is in lieu of any and all other warranties, whether oral, written, expressed, implied or statutory. Implied warranties of fitness for a particular purpose and merchantability are specifically excluded and shall not apply. Customer's obligations and Mouser's remedies, with respect to defective or nonconforming products, are solely and exclusively as stated herein. Further, no warranty will apply if the Product has been subject to misuse, static discharge, neglect, accident or modification, or has been soldered or altered in any way.

Limitation of Liability

In no event shall Mouser be liable for any special, incidental or consequential damages of any nature including, but not limited to, damages resulting from loss of profit or revenue, recall costs, claims for service interruptions or failure to supply downtime, testing, installations or removal costs, costs of substitute products, property damage, personal injury, death or legal expenses. Customer's recovery from Mouser for any claim shall not exceed the purchase price paid by Customer for the goods, irrespective of the nature of the claim, whether in warrant, contract or otherwise. CUSTOMER SHALL INDEMNIFY, DEFEND AND HOLD MOUSER HARMLESS FROM ANY CLAIMS brought by any party regarding products supplied by mouser and incorporated into the customer's product.

Use of Products in Life Support, Nuclear and Certain Other Applications

Products are intended for commercial use only. Products are traceable at the manufacturer's level only. There is no lot level traceability. Products sold by Mouser are not designed, intended or authorized for use in life support, life sustaining, human implantable, nuclear facilities, or other applications in which the failure of such Products could result in personal injury, loss of life or catastrophic property damage. If Customer uses or sells the Products for use in any such applications:
(1) Customer acknowledges that such use or sale is at Customer's sole risk;
(2) Customer agrees that Mouser and the manufacturer of the Products are not liable, in whole or in part, for any claim or damage arising from such use; and
(3) Customer agrees to indemnify, defend and hold Mouser and the manufacturer of the Products harmless from and against any and all claims, damages, losses, costs, expenses, and liabilities arising out of or in connection with such use or sale.

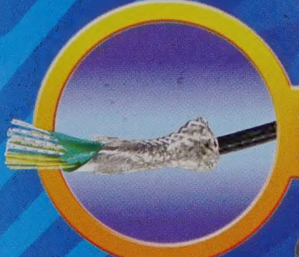
Any quotation or the prices contained herein are for information purposes only and do not constitute a legal acceptance of any order placed by the seller. Orders are subject to all terms and conditions of sales displayed at **www.mouser.com/terms**.

All The Connections You Need From Amphenol®

Amphenol RF
Non-Magnetic RF Connectors
Pg. 1005

Amphenol Commercial Products
Infiniband I/O Connectors
Pg. 1061

Amphenol Alden
PL-700 Series Connectors
Pg. 1137



Amphenol Spectra Strip
Skewclear® Plus InfiniBand Cables
Pg. 901

Amphenol Tuchel
Eco/Mate Connectors
Pg. 1134

Amphenol PCD
USB Memory Keys
Pg. 1052

Amphenol Industrial
SurLok™ Connectors
Pg. 1132

As one of the world's leading suppliers of quality interconnect products, Amphenol delivers the brand names you recognize including RF/Connex, Industrial, PCD, Tuchel, Spectra Strip, Alden, Commercial Products, Audio, and Fiber Optics.

Amphenol is dedicated to providing quality interconnect solutions for your designs with innovative interconnect systems including electrical, electronic, and fiber optic connectors, as well as coaxial and flat-ribbon cables.

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser! For more information or to purchase Amphenol products online, visit *www.mouser.com/amphenol* today!

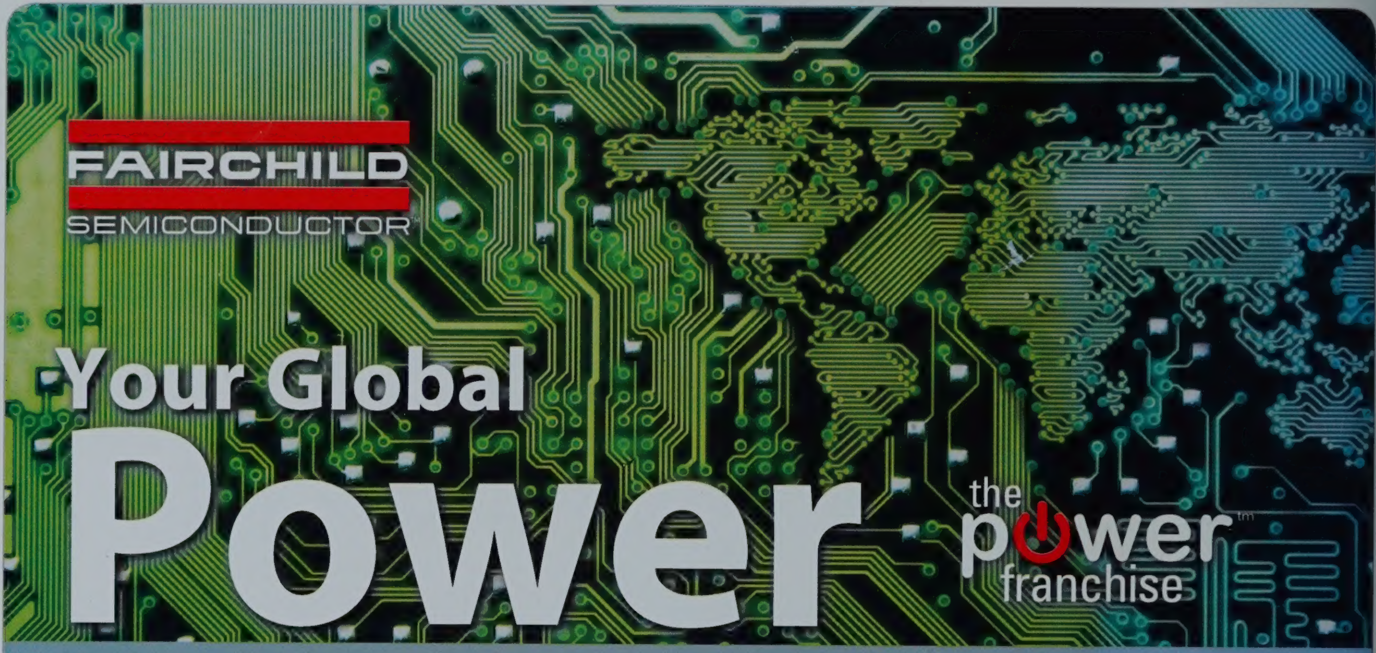
MOUSER® ELECTRONICS
a tti company

*The Newest Products
For Your Newest Designs*

www.mouser.com/amphenol (800) 346-6873

The NEWEST Semiconductors | Passives | Interconnects | Power | Electromechanical | Test, Tools & Supplies from Mouser Electronics

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. Other products, logos, and company names mentioned herein, may be trademarks of their respective owners.



FAIRCHILD
SEMICONDUCTOR

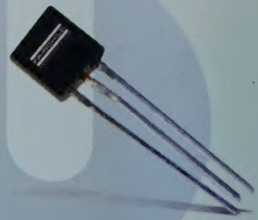
Your Global Power Resource

the power franchise™

MOSFETs
Pgs. 438-442

Standard Logic
Pgs. 239-245

Diodes & Rectifiers
Pgs. 384-389



Transistors
Pgs. 419-423

As the #1 global supplier of power analog, power discrete, and optoelectronic components that optimize system power, Fairchild is The Power Franchise®. Access the broadest portfolio of energy-efficient, power management ICs for today's leading electronic applications in the computing, communications, consumer, industrial, and automotive segments.

Experience Mouser's time-to-market advantage! Our vast selection of the NEWEST products, NEWEST technologies, **new catalog every 90 days**, no minimums, and same-day shipping on most orders, gets you to market faster. We make it easy to do business with Mouser! For more information or to purchase Fairchild products online, visit *www.mouser.com/fairchild* today!

www.mouser.com/fairchild (800) 346-6873

MOUSER ELECTRONICS®
a tti company

The Newest Products For Your Newest Designs

The NEWEST Semiconductors | Passives | Interconnects | Power | Electromechanical | Test, Tools & Supplies from Mouser Electronics

Mouser and Mouser Electronics are registered trademarks of Mouser Electronics, Inc. Other products, logos, and company names mentioned herein, may be trademarks of their respective owners.